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 : Q3376

ATTENTION : Rob Forstner

Laboratory Certification ID # 20012

Table Of Contents for Q3376

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 14
- 9.1) Deuterated Monitoring Compound Summary 15
- 9.2) MS/MSD Summary 17
- 9.3) LCS/LCSD Summary 21
- 9.4) Method Blank Summary 23
- 9.5) GS/MS Tune Summary 24
- 9.6) Internal Standard Area and RT Summary 29

10) Sample Data 35
- 10.1) PR132-S05-057082-20251016 36
- 10.2) PR132-DP01-20251016 65
- 10.3) PR132-COMP2-20251016 89
- 10.4) PR132-S12-047072-20251016 107
- 10.5) PR132-S12-020047-20251016 124

11) Calibration Data Summary 144
- 11.1) Initial Calibration Data 3
  - 11.1.1) BF100625 145
  - 11.1.2) BG102425 549
- 11.2) Continued Calibration Data 958
  - 11.2.1) BF144009.D 958
  - 11.2.2) BF144032.D 1015
  - 11.2.3) BG064600.D 1072

12) QC Sample Data 1129
- 12.1) Tune Raw Data 1130
- 12.2) Method Blank Data 1150
- 12.3) LCS Data 1165
- 12.4) MS Data 1217
- 12.5) MSD Data 1269

13) Manual Integration 1321
14) Analytical Runlogs 1327
15) Percent Solid 1341
16) Extraction Logs 1346
16.1) PB170180.pdf 1346
16.2) PB170180IC.pdf 1348
17) Standard Prep Logs 1349
18) Shipping Document 1444
18.1) Chain Of Custody 1445
18.2) Lab Certificate 1446
18.3) Internal COC 1447

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

Cover Page

Order ID : Q3376

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

Client : AECOM

Lab Sample Number	Client Sample Number
Q3376-01	PR132-S05-057082-20251016
Q3376-02	PR132-DP01-20251016
Q3376-03	PR132-COMP2-20251016
Q3376-04	PR132-S12-047072-20251016
Q3376-05	PR132-S12-020047-20251016
Q3376-07	PR132-FB01-20251016

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 : _____ Date: 10/30/2025

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 # Q3376
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
5 Solid samples were received on 10/16/2025.

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-Semi Volatiles 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 3510.

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 recoveries met the requirements for all compounds.
The RPD were met for all analysis.

The Blank Spike for {PB170180BS} with File ID: BF144034.D met requirements for all compounds except for 2,6-Dinitrotoluene[106%], Benzo(g,h,i)perylene[112%] and Indeno(1,2,3-cd)pyrene[112%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.

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 %RSD is greater than 20% in the Method 8270-BG102421.M for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol these Compounds are passing on Linear regression.

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

The Continuous Calibration File ID BF144032.D met the requirements except for Benzo(g,h,i)perylene, The associate samples have no positive hit for these compounds therefore no 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_____

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: Q3376 MATRIX: /Water

METHOD: 8270E/3510

		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 %RSD is greater than 20% in the Method 8270-BG102421.M for 2-Nitrophenol, 2-Nitroaniline, 2,6-Dinitrotoluene, 2,4-Dinitrophenol, 2,4-Dinitrotoluene, 4,6-Dinitro-2-methylphenol these Compounds are passing on Linear regression.			
	The Continuous Calibration File ID BF144032.D met the requirements except for Benzo(g,h,i)perylene, The associate samples have no positive hit for these compounds therefore no 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 Blank Spike for {PB170180BS} with File ID: BF144034.D met requirements for all compounds except for 2,6-Dinitrotoluene[106%], Benzo(g,h,i)perylene[112%] and Indeno(1,2,3-cd)pyrene[112%], The associate samples have no positive hit for these compounds therefore no corrective action was taken.			
9.	Internal Standard Area/Retention Time Shift Meet Criteria		✓	
	Comments: The Internal Standards Areas were met for all analysis.			
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 Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3376

	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:** 10/30/2025

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

LAB CHRONICLE

OrderID:	Q3376	**OrderDate:**	10/17/2025 10:34:00 AM
Client:	AECOM	**Project:**	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60399795.171206
Contact:	Rob Forstner	**Location:**	Soil,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3376-01	**PR132-S05-057082-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3376-02	**PR132-DP01-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/21/25	
Q3376-03	**PR132-COMP2-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3376-04	**PR132-S12-047072-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/22/25	
Q3376-05	**PR132-S12-020047-20251016**	**SOIL**			**10/16/25**			**10/16/25**
			SVOC-TCL BNA -20	8270E		10/21/25	10/28/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**PR132-S05-057082-20251016**								
Q3376-01	PR132-S05-057082-2025	SOIL	Phenanthrene		130.000	J	39.1	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Fluoranthene		230.000	J	56.1	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Pyrene		180.000	J	67.3	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(a)anthracene		150.000	J	43	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Chrysene		140.000	J	37.2	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(b)fluoranthene		160.000	J	35.5	320	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzo(a)pyrene		170.000	J	55.1	320	ug/Kg
			Total Svoc :		**1,160.00**				
Q3376-01	PR132-S05-057082-2025	SOIL	3-Methyl-4-(methoxycarbonyl)he:	*	1,000.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Benzophenone	*	420.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	n-Hexadecanoic acid	*	280.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Octane, 2,3,7-trimethyl-	*	920.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Tridecane	*	840.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Tridecane, 5-propyl-	*	1,600.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Undecane, 2,6-dimethyl-	*	380.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Cyclohexane, pentyl-	*	250.000	J	0	0	ug/Kg
Q3376-01	PR132-S05-057082-2025	SOIL	Dodecane, 2,6,10-trimethyl-	*	670.000	J	0	0	ug/Kg
			Total Tics :		**6,360.00**				
			Total Concentration:		**7,520.00**				
Client ID :	**PR132-DP01-20251016**								
Q3376-02	PR132-DP01-20251016	SOIL	Fluoranthene		210.000	J	55.9	320	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Pyrene		160.000	J	67.1	320	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Benzo(b)fluoranthene		130.000	J	35.4	320	ug/Kg
			Total Svoc :		**500.00**				
Q3376-02	PR132-DP01-20251016	SOIL	Benzophenone	*	430.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Cyclohexane, pentyl-	*	230.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Dodecane, 2,6,11-trimethyl-	*	530.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecane	*	680.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecane, 5-propyl-	*	1,300.000	J	0	0	ug/Kg
Q3376-02	PR132-DP01-20251016	SOIL	Tridecanoic acid	*	310.000	J	0	0	ug/Kg
			Total Tics :		**3,480.00**				
			Total Concentration:		**3,980.00**				
Client ID :	**PR132-COMP2-20251016**								
Q3376-03	PR132-COMP2-2025101	SOIL	Benzophenone	*	190.000	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-2025101	SOIL	Dodecane, 2,6,10-trimethyl-	*	130.000	J	0	0	ug/Kg
Q3376-03	PR132-COMP2-2025101	SOIL	Silane, trichlorooctadecyl-	*	200.000	J	0	0	ug/Kg
			Total Tics :		**520.00**				

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

Hit Summary Sheet
SW-846

SDG No.: Q3376

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
			Total Concentration:		**520.00**				
Client ID :	**PR132-S12-047072-20251016**								
Q3376-04	PR132-S12-047072-2025	SOIL	Benzophenone	*	290.000	J	0	0	ug/Kg
Q3376-04	PR132-S12-047072-2025	SOIL	n-Hexadecanoic acid	*	140.000	J	0	0	ug/Kg
			Total Tics :		**430.00**				
			Total Concentration:		**430.00**				
Client ID :	**PR132-S12-020047-20251016**								
Q3376-05	PR132-S12-020047-2025	SOIL	Bis(2-ethylhexyl)phthalate		190.000	J	88.6	250	ug/Kg
			Total Svoc :		**190.00**				
Q3376-05	PR132-S12-020047-2025	SOIL	1-Octadecene	*	150.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Benzophenone	*	370.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Cetene	*	130.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	Cyclotetracosane	*	330.000	J	0	0	ug/Kg
Q3376-05	PR132-S12-020047-2025	SOIL	n-Hexadecanoic acid	*	560.000	J	0	0	ug/Kg
			Total Tics :		**1,540.00**				
			Total Concentration:		**1,730.00**				

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q3376

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
PB170180BL	PB170180BL	2-Fluorophenol	150	130	86		18	112
		Phenol-d6	150	128	85		15	107
		Nitrobenzene-d5	100	97.5	98		18	107
		2-Fluorobiphenyl	100	86.5	86		20	109
		2,4,6-Tribromophenol	150	136	91		10	116
		Terphenyl-d14	100	102	102		10	105
PB170180BS	PB170180BS	2-Fluorophenol	150	116	78		18	112
		Phenol-d6	150	118	79		15	107
		Nitrobenzene-d5	100	87.1	87		18	107
		2-Fluorobiphenyl	100	79.6	80		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	95.9	96		10	105
Q3376-01	PR132-S05-057082-20251016	2-Fluorophenol	150	80.9	54		18	112
		Phenol-d6	150	78.7	52		15	107
		Nitrobenzene-d5	100	55.2	55		18	107
		2-Fluorobiphenyl	100	52.2	52		20	109
		2,4,6-Tribromophenol	150	68.4	46		10	116
		Terphenyl-d14	100	35.0	35		10	105
Q3376-02	PR132-DP01-20251016	2-Fluorophenol	150	89.0	59		18	112
		Phenol-d6	150	86.3	58		15	107
		Nitrobenzene-d5	100	60.5	61		18	107
		2-Fluorobiphenyl	100	55.2	55		20	109
		2,4,6-Tribromophenol	150	73.9	49		10	116
		Terphenyl-d14	100	38.6	39		10	105
Q3376-03	PR132-COMP2-20251016	2-Fluorophenol	150	42.9	29		18	112
		Phenol-d6	150	40.2	27		15	107
		Nitrobenzene-d5	100	27.1	27		18	107
		2-Fluorobiphenyl	100	21.7	22		20	109
		2,4,6-Tribromophenol	150	28.4	19		10	116
		Terphenyl-d14	100	22.2	22		10	105
Q3376-04	PR132-S12-047072-20251016	2-Fluorophenol	150	34.8	23		18	112
		Phenol-d6	150	33.2	22		15	107
		Nitrobenzene-d5	100	22.6	23		18	107
		2-Fluorobiphenyl	100	22.8	23		20	109
		2,4,6-Tribromophenol	150	43.4	29		10	116
		Terphenyl-d14	100	24.1	24		10	105
Q3376-05	PR132-S12-020047-20251016	2-Fluorophenol	150	55.4	37		18	112
		Phenol-d6	150	49.1	33		15	107
		Nitrobenzene-d5	100	34.5	35		18	107
		2-Fluorobiphenyl	100	29.4	29		20	109
		2,4,6-Tribromophenol	150	94.4	63		10	116
		Terphenyl-d14	100	50.5	50		10	105
Q3402-07MS	41-LBMS	2-Fluorophenol	150	95.0	63		18	112
		Phenol-d6	150	93.4	62		15	107
		Nitrobenzene-d5	100	63.3	63		18	107
		2-Fluorobiphenyl	100	46.5	46		20	109
		2,4,6-Tribromophenol	150	75.3	50		10	116
		Terphenyl-d14	100	33.9	34		10	105
Q3402-07MSD	41-LBMSD	2-Fluorophenol	150	92.9	62		18	112
		Phenol-d6	150	91.9	61		15	107
		Nitrobenzene-d5	100	62.7	63		18	107

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

Surrogate Summary

SW-846

SDG No.: Q3376

Client: AECOM

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3402-07MSD	41-LBMSD	2-Fluorobiphenyl	100	43.7	44		20	109
		2,4,6-Tribromophenol	150	75.1	50		10	116
		Terphenyl-d14	100	34.4	34		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.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3402-07MS		**Client Sample ID: 41-LBMS**									
Benzaldehyde	1500	0	840	ug/Kg	56				10	171	
Phenol	1500	0	1500	ug/Kg	100				51	122	
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100				54	125	
2-Chlorophenol	1500	0	1500	ug/Kg	100				51	121	
2-Methylphenol	1500	0	1400	ug/Kg	93				47	125	
2,2-oxybis(1-Chloropropane)	1500	0	1500	ug/Kg	100				46	119	
Acetophenone	1500	0	1600	ug/Kg	107				55	128	
3+4-Methylphenols	1500	0	1400	ug/Kg	93				49	125	
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93				59	119	
Hexachloroethane	1500	0	1400	ug/Kg	93				51	116	
Nitrobenzene	1500	0	1500	ug/Kg	100				47	124	
Isophorone	1500	0	1400	ug/Kg	93				49	127	
2-Nitrophenol	1500	0	1700	ug/Kg	113				43	131	
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107				63	151	
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100				51	119	
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93				50	122	
Naphthalene	1500	0	1500	ug/Kg	100				51	121	
4-Chloroaniline	1500	0	550	ug/Kg	37				10	100	
Hexachlorobutadiene	1500	0	1400	ug/Kg	93				44	126	
Caprolactam	1500	0	1500	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93				57	132	
2-Methylnaphthalene	1500	0	1300	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	3000	0	3200	ug/Kg	107				10	175	
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100				33	141	
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100				38	135	
1,1-Biphenyl	1500	0	1700	ug/Kg	113				55	131	
2-Chloronaphthalene	1500	0	1600	ug/Kg	107				48	124	
2-Nitroaniline	1500	0	1700	ug/Kg	113				47	134	
Dimethylphthalate	1500	0	1600	ug/Kg	107				54	120	
Acenaphthylene	1500	0	1700	ug/Kg	113				57	125	
2,6-Dinitrotoluene	1500	0	1800	ug/Kg	120				48	127	
3-Nitroaniline	1500	0	1100	ug/Kg	73				10	112	
Acenaphthene	1500	0	1500	ug/Kg	100				70	121	
2,4-Dinitrophenol	3000	0	2300	ug/Kg	77				10	155	
4-Nitrophenol	3000	0	2600	ug/Kg	87				10	175	
Dibenzofuran	1500	0	1500	ug/Kg	100				52	114	
2,4-Dinitrotoluene	1500	0	1700	ug/Kg	113				41	140	
Diethylphthalate	1500	0	1500	ug/Kg	100				51	119	
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93				48	122	
Fluorene	1500	0	1500	ug/Kg	100				53	118	
4-Nitroaniline	1500	0	1400	ug/Kg	93				29	140	
4,6-Dinitro-2-methylphenol	1500	0	1700	ug/Kg	113				10	160	
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113				73	118	
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100				65	121	
Hexachlorobenzene	1500	0	1500	ug/Kg	100				67	118	
Atrazine	1500	0	1600	ug/Kg	107				45	175	

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.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144021.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Pentachlorophenol	3000	0	2500	ug/Kg	83				13	153	
Phenanthrene	1500	0	1600	ug/Kg	107				52	128	
Anthracene	1500	0	1600	ug/Kg	107				62	124	
Carbazole	1500	0	1500	ug/Kg	100				59	119	
Di-n-butylphthalate	1500	0	1600	ug/Kg	107				55	125	
Fluoranthene	1500	63.0	1600	ug/Kg	102				44	125	
Pyrene	1500	0	1200	ug/Kg	80				37	122	
Butylbenzylphthalate	1500	0	1500	ug/Kg	100				44	135	
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93				15	112	
Benzo(a)anthracene	1500	0	1600	ug/Kg	107				53	119	
Chrysene	1500	0	1600	ug/Kg	107				57	121	
bis(2-Ethylhexyl)phthalate	1500	0	1800	ug/Kg	120				42	169	
Di-n-octyl phthalate	1500	0	2100	ug/Kg	140				51	156	
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100				52	117	
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93				57	134	
Benzo(a)pyrene	1500	0	1600	ug/Kg	107				70	142	
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93				24	125	
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113				52	134	
1,4-Dioxane	1500	0	1400	ug/Kg	93				46	112	
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93				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.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q3402-07MSD		**Client Sample ID: 41-LBMSD**									
Benzaldehyde	1500	0	850	ug/Kg	57	2			10	171	20
Phenol	1500	0	1500	ug/Kg	100	0			51	122	20
bis(2-Chloroethyl)ether	1500	0	1500	ug/Kg	100	0			54	125	20
2-Chlorophenol	1500	0	1500	ug/Kg	100	0			51	121	20
2-Methylphenol	1500	0	1400	ug/Kg	93	0			47	125	20
2,2-oxybis(1-Chloropropane)	1500	0	1400	ug/Kg	93	7			46	119	20
Acetophenone	1500	0	1600	ug/Kg	107	0			55	128	20
3+4-Methylphenols	1500	0	1400	ug/Kg	93	0			49	125	20
N-Nitroso-di-n-propylamine	1500	0	1400	ug/Kg	93	0			59	119	20
Hexachloroethane	1500	0	1500	ug/Kg	100	7			51	116	20
Nitrobenzene	1500	0	1600	ug/Kg	107	7			47	124	20
Isophorone	1500	0	1400	ug/Kg	93	0			49	127	20
2-Nitrophenol	1500	0	1700	ug/Kg	113	0			43	131	20
2,4-Dimethylphenol	1500	0	1600	ug/Kg	107	0			63	151	20
bis(2-Chloroethoxy)methane	1500	0	1500	ug/Kg	100	0			51	119	20
2,4-Dichlorophenol	1500	0	1400	ug/Kg	93	0			50	122	20
Naphthalene	1500	0	1400	ug/Kg	93	7			51	121	20
4-Chloroaniline	1500	0	580	ug/Kg	39	5			10	100	20
Hexachlorobutadiene	1500	0	1400	ug/Kg	93	0			44	126	20
Caprolactam	1500	0	1500	ug/Kg	100	0			51	134	20
4-Chloro-3-methylphenol	1500	0	1400	ug/Kg	93	0			57	132	20
2-Methylnaphthalene	1500	0	1300	ug/Kg	87	0			59	123	20
Hexachlorocyclopentadiene	3000	0	3100	ug/Kg	103	4			10	175	20
2,4,6-Trichlorophenol	1500	0	1500	ug/Kg	100	0			33	141	20
2,4,5-Trichlorophenol	1500	0	1500	ug/Kg	100	0			38	135	20
1,1-Biphenyl	1500	0	1600	ug/Kg	107	5			55	131	20
2-Chloronaphthalene	1500	0	1500	ug/Kg	100	7			48	124	20
2-Nitroaniline	1500	0	1600	ug/Kg	107	5			47	134	20
Dimethylphthalate	1500	0	1500	ug/Kg	100	7			54	120	20
Acenaphthylene	1500	0	1700	ug/Kg	113	0			57	125	20
2,6-Dinitrotoluene	1500	0	1700	ug/Kg	113	6			48	127	20
3-Nitroaniline	1500	0	1100	ug/Kg	73	0			10	112	20
Acenaphthene	1500	0	1500	ug/Kg	100	0			70	121	20
2,4-Dinitrophenol	3000	0	2400	ug/Kg	80	4			10	155	20
4-Nitrophenol	3000	0	2500	ug/Kg	83	5			10	175	20
Dibenzofuran	1500	0	1400	ug/Kg	93	7			52	114	20
2,4-Dinitrotoluene	1500	0	1600	ug/Kg	107	5			41	140	20
Diethylphthalate	1500	0	1400	ug/Kg	93	7			51	119	20
4-Chlorophenyl-phenylether	1500	0	1400	ug/Kg	93	0			48	122	20
Fluorene	1500	0	1400	ug/Kg	93	7			53	118	20
4-Nitroaniline	1500	0	1400	ug/Kg	93	0			29	140	20
4,6-Dinitro-2-methylphenol	1500	0	1800	ug/Kg	120	6			10	160	20
N-Nitrosodiphenylamine	1500	0	1700	ug/Kg	113	0			73	118	20
4-Bromophenyl-phenylether	1500	0	1500	ug/Kg	100	0			65	121	20
Hexachlorobenzene	1500	0	1400	ug/Kg	93	7			67	118	20
Atrazine	1500	0	1600	ug/Kg	107	0			45	175	20

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.: Q3376 **Analytical Method:** SW8270E

Client: AECOM **DataFile:** BF144022.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3000	0	2600	ug/Kg	87	5			13	153	20
Phenanthrene	1500	0	1500	ug/Kg	100	7			52	128	20
Anthracene	1500	0	1500	ug/Kg	100	7			62	124	20
Carbazole	1500	0	1500	ug/Kg	100	0			59	119	20
Di-n-butylphthalate	1500	0	1600	ug/Kg	107	0			55	125	20
Fluoranthene	1500	63.0	1500	ug/Kg	96	6			44	125	20
Pyrene	1500	0	1200	ug/Kg	80	0			37	122	20
Butylbenzylphthalate	1500	0	1500	ug/Kg	100	0			44	135	20
3,3-Dichlorobenzidine	1500	0	1400	ug/Kg	93	0			15	112	20
Benzo(a)anthracene	1500	0	1600	ug/Kg	107	0			53	119	20
Chrysene	1500	0	1600	ug/Kg	107	0			57	121	20
bis(2-Ethylhexyl)phthalate	1500	0	1700	ug/Kg	113	6			42	169	20
Di-n-octyl phthalate	1500	0	2000	ug/Kg	133	5			51	156	20
Benzo(b)fluoranthene	1500	0	1500	ug/Kg	100	0			52	117	20
Benzo(k)fluoranthene	1500	0	1400	ug/Kg	93	0			57	134	20
Benzo(a)pyrene	1500	0	1600	ug/Kg	107	0			70	142	20
Indeno(1,2,3-cd)pyrene	1500	0	1500	ug/Kg	100	0			40	129	20
Dibenz(a,h)anthracene	1500	0	1500	ug/Kg	100	0			43	123	20
Benzo(g,h,i)perylene	1500	0	1400	ug/Kg	93	0			24	125	20
1,2,4,5-Tetrachlorobenzene	1500	0	1700	ug/Kg	113	0			52	134	20
1,4-Dioxane	1500	0	1300	ug/Kg	87	7			46	112	20
2,3,4,6-Tetrachlorophenol	1500	0	1400	ug/Kg	93	0			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.: Q3376 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BF144034.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170180BS	Benzaldehyde	1700	880	ug/Kg	52				10	133	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1800	ug/Kg	106				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				46	141	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				66	97	
	2,4-Dichlorophenol	1700	1400	ug/Kg	82				62	107	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	780	ug/Kg	46				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1500	ug/Kg	88				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	3300	ug/Kg	100				45	165	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1700	ug/Kg	100				63	101	
	2,6-Dinitrotoluene	1700	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	2,4-Dinitrophenol	3300	2600	ug/Kg	79				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				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	1500	ug/Kg	88				64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				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.: Q3376 **Analytical Method:** 8270E

Client: AECOM **DataFile:** BF144034.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB170180BS	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98	
	Atrazine	1700	1600	ug/Kg	94				47	152	
	Pentachlorophenol	3300	2400	ug/Kg	73				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1400	ug/Kg	82				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				54	135	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				52	137	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(k)fluoranthene	1700	1400	ug/Kg	82				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB170180BL

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q3376

Lab File ID: BF144033.D | Lab Sample ID: PB170180BL

Instrument ID: BNA_F | Date Extracted: 10/21/2025

Matrix: (soil/water) SOIL | Date Analyzed: 10/22/2025

Level: (low/med) LOW | Time Analyzed: 10:54

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB170180BS	PB170180BS	BF144034.D	10/22/2025
PR132-COMP2-20251016	Q3376-03	BF144039.D	10/22/2025
PR132-S12-047072-20251016	Q3376-04	BF144040.D	10/22/2025
PR132-S12-020047-20251016	Q3376-05	BG064609.D	10/28/2025
PR132-S05-057082-20251016	Q3376-01	BF144028.D	10/21/2025
PR132-DP01-20251016	Q3376-02	BF144029.D	10/21/2025
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025

COMMENTS:

Form IV SV

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.: Q3376

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	0.3
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	78.8
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.: Q3376

Lab File ID: BF144008.D DFTPP Injection Date: 10/21/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:43

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	0.2 (0.5) 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	7
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	85.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (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	BF144009.D	10/21/2025	13:29
41-LBMS	Q3402-07MS	BF144021.D	10/21/2025	19:28
41-LBMSD	Q3402-07MSD	BF144022.D	10/21/2025	19:58
PR132-S05-057082-20251016	Q3376-01	BF144028.D	10/21/2025	22:53
PR132-DP01-20251016	Q3376-02	BF144029.D	10/21/2025	23:22

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.: Q3376

Lab File ID: BF144031.D DFTPP Injection Date: 10/22/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:26

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 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	7.0
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	84.6
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
SSTDCCC040	SSTDCCC040	BF144032.D	10/22/2025	10:25
PB170180BL	PB170180BL	BF144033.D	10/22/2025	10:54
PB170180BS	PB170180BS	BF144034.D	10/22/2025	11:23
PR132-COMP2-20251016	Q3376-03	BF144039.D	10/22/2025	13:53
PR132-S12-047072-20251016	Q3376-04	BF144040.D	10/22/2025	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.: Q3376

Lab File ID: BG064568.D DFTPP Injection Date: 10/24/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:20

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 1
197	Less than 2.0% of mass 198	0.4
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	5.1
441	Present, but less than mass 443	86.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.5 (18.9) 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	BG064569.D	10/24/2025	09:00
SSTDICC005	SSTDICC005	BG064570.D	10/24/2025	09:41
SSTDICC010	SSTDICC010	BG064571.D	10/24/2025	11:02
SSTDICC020	SSTDICC020	BG064572.D	10/24/2025	12:23
SSTDICCC040	SSTDICCC040	BG064573.D	10/24/2025	13:03
SSTDICC060	SSTDICC060	BG064574.D	10/24/2025	13:44
SSTDICC080	SSTDICC080	BG064575.D	10/24/2025	14:24
SSTDICC050	SSTDICC050	BG064576.D	10/24/2025	15:32

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.: Q3376

Lab File ID: BG064599.D DFTPP Injection Date: 10/28/2025

Instrument ID: BNA_G DFTPP Injection Time: 13:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.2 (0.5) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.2) 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	7.5
365	Greater than 1% of mass 198	5.5
441	Present, but less than mass 443	80.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19 (20.1) 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	BG064600.D	10/28/2025	13:45
PR132-S12-020047-20251016	Q3376-05	BG064609.D	10/28/2025	19:57

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.: Q3376

Client ID : SSTDCCC040 Date Analyzed: 10/21/2025

Lab File ID: BF144009.D Time Analyzed: 13:29

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	126907	6.881	483648	8.16	263342	9.92
	UPPER LIMIT	253814	7.381	967296	8.663	526684	10.422
	LOWER LIMIT	63453.5	6.381	241824	7.663	131671	9.422
	EPA SAMPLE NO.						
01	PR132-S05-057082-20251016	103970	6.88	375202	8.16	176662	9.92
02	PR132-DP01-20251016	102606	6.88	370185	8.16	182853	9.92
03	41-LBMS	97883	6.88	362327	8.16	171519	9.92
04	41-LBMSD	105784	6.88	388491	8.16	194134	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.: Q3376

Client ID: SSTDCCC040 Date Analyzed: 10/21/2025

Lab File ID: BF144009.D Time Analyzed: 13:29

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	430811	11.416	235758	14.063	243917	15.545
	UPPER LIMIT	861622	11.916	471516	14.563	487834	16.045
	LOWER LIMIT	215406	10.916	117879	13.563	121959	15.045
	EPA SAMPLE NO.						
01	PR132-S05-057082-20251016	261482	11.41	242210	14.06	289481	15.55
02	PR132-DP01-20251016	276992	11.41	261924	14.06	301622	15.55
03	41-LBMS	251833	11.42	215570	14.06	288346	15.55
04	41-LBMSD	286809	11.41	223920	14.06	293398	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.: Q3376

Client ID : SSTDCCC040 Date Analyzed: 10/22/2025

Lab File ID: BF144032.D Time Analyzed: 10:25

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	112960	6.881	428129	8.16	220935	9.92
	UPPER LIMIT	225920	7.381	856258	8.663	441870	10.422
	LOWER LIMIT	56480	6.381	214065	7.663	110468	9.422
	EPA SAMPLE NO.						
01	PB170180BL	133448	6.88	515654	8.16	278111	9.92
02	PB170180BS	119718	6.88	459704	8.16	246572	9.92
03	PR132-COMP2-20251016	91108	6.88	322317	8.16	162319	9.92
04	PR132-S12-047072-20251016	70898	6.88	250555	8.16	129776	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.: Q3376

Client ID: SSTDCCC040 Date Analyzed: 10/22/2025

Lab File ID: BF144032.D Time Analyzed: 10:25

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	348267	11.416	176671	14.063	208587	15.545
	UPPER LIMIT	696534	11.916	353342	14.563	417174	16.045
	LOWER LIMIT	174134	10.916	88335.5	13.563	104294	15.045
	EPA SAMPLE NO.						
01	PB170180BL	477973	11.41	255711	14.06	254526	15.55
02	PB170180BS	409864	11.42	219056	14.06	213561	15.55
03	PR132-COMP2-20251016	264674	11.41	231985	14.06	277314	15.55
04	PR132-S12-047072-20251016	213175	11.41	243369	14.06	287324	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.: Q3376

Client ID : SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BG064600.D Time Analyzed: 13:45

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	28654	8.219	112694	11.05	87446	14.84
	UPPER LIMIT	57308	8.719	225388	11.545	174892	15.341
	LOWER LIMIT	14327	7.719	56347	10.545	43723	14.341
	EPA SAMPLE NO.						
01	PR132-S12-020047-20251016	37243	8.22	140181	11.04	106965	14.84

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.: Q3376

Client ID: SSTDCCC040 Date Analyzed: 10/28/2025

Lab File ID: BG064600.D Time Analyzed: 13:45

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	216707	17.573	273944	21.85	304830	25.187
	UPPER LIMIT	433414	18.073	547888	22.35	609660	25.687
	LOWER LIMIT	108354	17.073	136972	21.35	152415	24.687
	EPA SAMPLE NO.						
01	PR132-S12-020047-20251016	249913	17.58	291786	21.85	320360	25.19

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.5
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	290	620	ug/Kg	10/21/25 22:53	PB170180
108-95-2	Phenol	320	U	1	41.3	320	ug/Kg	10/21/25 22:53	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.4	320	ug/Kg	10/21/25 22:53	PB170180
95-57-8	2-Chlorophenol	320	U	1	45.6	320	ug/Kg	10/21/25 22:53	PB170180
95-48-7	2-Methylphenol	320	U	1	55.9	320	ug/Kg	10/21/25 22:53	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	70.1	320	ug/Kg	10/21/25 22:53	PB170180
98-86-2	Acetophenone	320	U	1	55.1	320	ug/Kg	10/21/25 22:53	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	76.8	620	ug/Kg	10/21/25 22:53	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	88.6	150	ug/Kg	10/21/25 22:53	PB170180
67-72-1	Hexachloroethane	320	U	1	32.9	320	ug/Kg	10/21/25 22:53	PB170180
98-95-3	Nitrobenzene	320	U	1	34.2	320	ug/Kg	10/21/25 22:53	PB170180
78-59-1	Isophorone	320	U	1	61.3	320	ug/Kg	10/21/25 22:53	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/21/25 22:53	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/21/25 22:53	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	57.6	320	ug/Kg	10/21/25 22:53	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	52.9	320	ug/Kg	10/21/25 22:53	PB170180
91-20-3	Naphthalene	320	U	1	42.4	320	ug/Kg	10/21/25 22:53	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.1	320	ug/Kg	10/21/25 22:53	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
105-60-2	Caprolactam	620	U	1	97.4	620	ug/Kg	10/21/25 22:53	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	53.6	320	ug/Kg	10/21/25 22:53	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	47.8	320	ug/Kg	10/21/25 22:53	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/21/25 22:53	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.0	320	ug/Kg	10/21/25 22:53	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.4	320	ug/Kg	10/21/25 22:53	PB170180
92-52-4	1,1-Biphenyl	320	U	1	40.7	320	ug/Kg	10/21/25 22:53	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.0	320	ug/Kg	10/21/25 22:53	PB170180
88-74-4	2-Nitroaniline	320	U	1	89.9	320	ug/Kg	10/21/25 22:53	PB170180
131-11-3	Dimethylphthalate	320	U	1	50.6	320	ug/Kg	10/21/25 22:53	PB170180
208-96-8	Acenaphthylene	320	U	1	54.0	320	ug/Kg	10/21/25 22:53	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	62.8	320	ug/Kg	10/21/25 22:53	PB170180
99-09-2	3-Nitroaniline	320	U	1	86.0	320	ug/Kg	10/21/25 22:53	PB170180
83-32-9	Acenaphthene	320	U	1	39.8	320	ug/Kg	10/21/25 22:53	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/21/25 22:53	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/21/25 22:53	PB170180
132-64-9	Dibenzofuran	320	U	1	42.4	320	ug/Kg	10/21/25 22:53	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	93.6	320	ug/Kg	10/21/25 22:53	PB170180
84-66-2	Diethylphthalate	320	U	1	52.9	320	ug/Kg	10/21/25 22:53	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	49.9	320	ug/Kg	10/21/25 22:53	PB170180
86-73-7	Fluorene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/21/25 22:53	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/21/25 22:53	PB170180

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.5
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	61.5	320	ug/Kg	10/21/25 22:53	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	51.9	320	ug/Kg	10/21/25 22:53	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.3	320	ug/Kg	10/21/25 22:53	PB170180
1912-24-9	Atrazine	320	U	1	63.5	320	ug/Kg	10/21/25 22:53	PB170180
87-86-5	Pentachlorophenol	620	U	1	95.9	620	ug/Kg	10/21/25 22:53	PB170180
85-01-8	Phenanthrene	130	J	1	39.1	320	ug/Kg	10/21/25 22:53	PB170180
120-12-7	Anthracene	320	U	1	62.2	320	ug/Kg	10/21/25 22:53	PB170180
86-74-8	Carbazole	320	U	1	58.3	320	ug/Kg	10/21/25 22:53	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	89.5	320	ug/Kg	10/21/25 22:53	PB170180
206-44-0	Fluoranthene	230	J	1	56.1	320	ug/Kg	10/21/25 22:53	PB170180
129-00-0	Pyrene	180	J	1	67.3	320	ug/Kg	10/21/25 22:53	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/21/25 22:53	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	68.6	620	ug/Kg	10/21/25 22:53	PB170180
56-55-3	Benzo(a)anthracene	150	J	1	43.0	320	ug/Kg	10/21/25 22:53	PB170180
218-01-9	Chrysene	140	J	1	37.2	320	ug/Kg	10/21/25 22:53	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/21/25 22:53	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/21/25 22:53	PB170180
205-99-2	Benzo(b)fluoranthene	160	J	1	35.5	320	ug/Kg	10/21/25 22:53	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	41.9	320	ug/Kg	10/21/25 22:53	PB170180
50-32-8	Benzo(a)pyrene	170	J	1	55.1	320	ug/Kg	10/21/25 22:53	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	54.4	320	ug/Kg	10/21/25 22:53	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.2	320	ug/Kg	10/21/25 22:53	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.0	320	ug/Kg	10/21/25 22:53	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	47.8	320	ug/Kg	10/21/25 22:53	PB170180
123-91-1	1,4-Dioxane	320	U	1	84.5	320	ug/Kg	10/21/25 22:53	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.2	320	ug/Kg	10/21/25 22:53	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	80.9			18 - 112	54%	SPK: 150		
13127-88-3	Phenol-d6	78.7			15 - 107	52%	SPK: 150		
4165-60-0	Nitrobenzene-d5	55.2			18 - 107	55%	SPK: 100		
321-60-8	2-Fluorobiphenyl	52.2			20 - 109	52%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	68.4			10 - 116	46%	SPK: 150		
1718-51-0	Terphenyl-d14	35.0			10 - 105	35%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	104000							
1146-65-2	Naphthalene-d8	375000							
15067-26-2	Acenaphthene-d10	177000							
1517-22-2	Phenanthrene-d10	261000							
1719-03-5	Chrysene-d12	242000							
1520-96-3	Perylene-d12	289000							
TENTATIVE IDENTIFIED COMPOUNDS									
004292-92-6	Cyclohexane, pentyl-	250	J			7.78	ug/Kg		
017301-23-4	Undecane, 2,6-dimethyl-	380	J			8.22	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S05-057082-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-01	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.5
Sample Wt/Vol:	30.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
062016-34-6	Octane, 2,3,7-trimethyl-	920	J			8.58	ug/Kg		
003891-98-3	Dodecane, 2,6,10-trimethyl-	670	J			9.18	ug/Kg		
1010104-10-8	3-Methyl-4-(methoxycarbonyl)hexa-2	1000	J			10.6	ug/Kg		
000119-61-9	Benzophenone	420	J			10.6	ug/Kg		
055045-11-9	Tridecane, 5-propyl-	1600	J			10.8	ug/Kg		
000629-50-5	Tridecane	840	J			11.3	ug/Kg		
000057-10-3	n-Hexadecanoic acid	280	J			11.9	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\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

Quant Time: Oct 22 11:13:39 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	103970	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	375202	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	176662	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	261482	20.000	ng	0.00
76) Chrysene-d12	14.057	240	242210	20.000	ng	-0.01
86) Perylene-d12	15.545	264	289481	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	529523	80.877	ng	0.00
7) Phenol-d6	6.504	99	614253	78.709	ng	-0.01
23) Nitrobenzene-d5	7.440	82	341161	55.243	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	120320	68.380	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	580664	52.154	ng	-0.01
79) Terphenyl-d14	12.998	244	495672	34.976	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	26275	2.073	ng	# 90
75) Fluoranthene	12.633	202	48437	3.699	ng	96
78) Pyrene	12.857	202	56984	2.822	ng	95
81) Benzo(a)anthracene	14.051	228	37815	2.386	ng	# 73
83) Chrysene	14.086	228	33377	2.275	ng	# 87
88) Benzo(b)fluoranthene	15.110	252	43966m	2.644	ng	
90) Benzo(a)pyrene	15.480	252	38339	2.659	ng	# 84

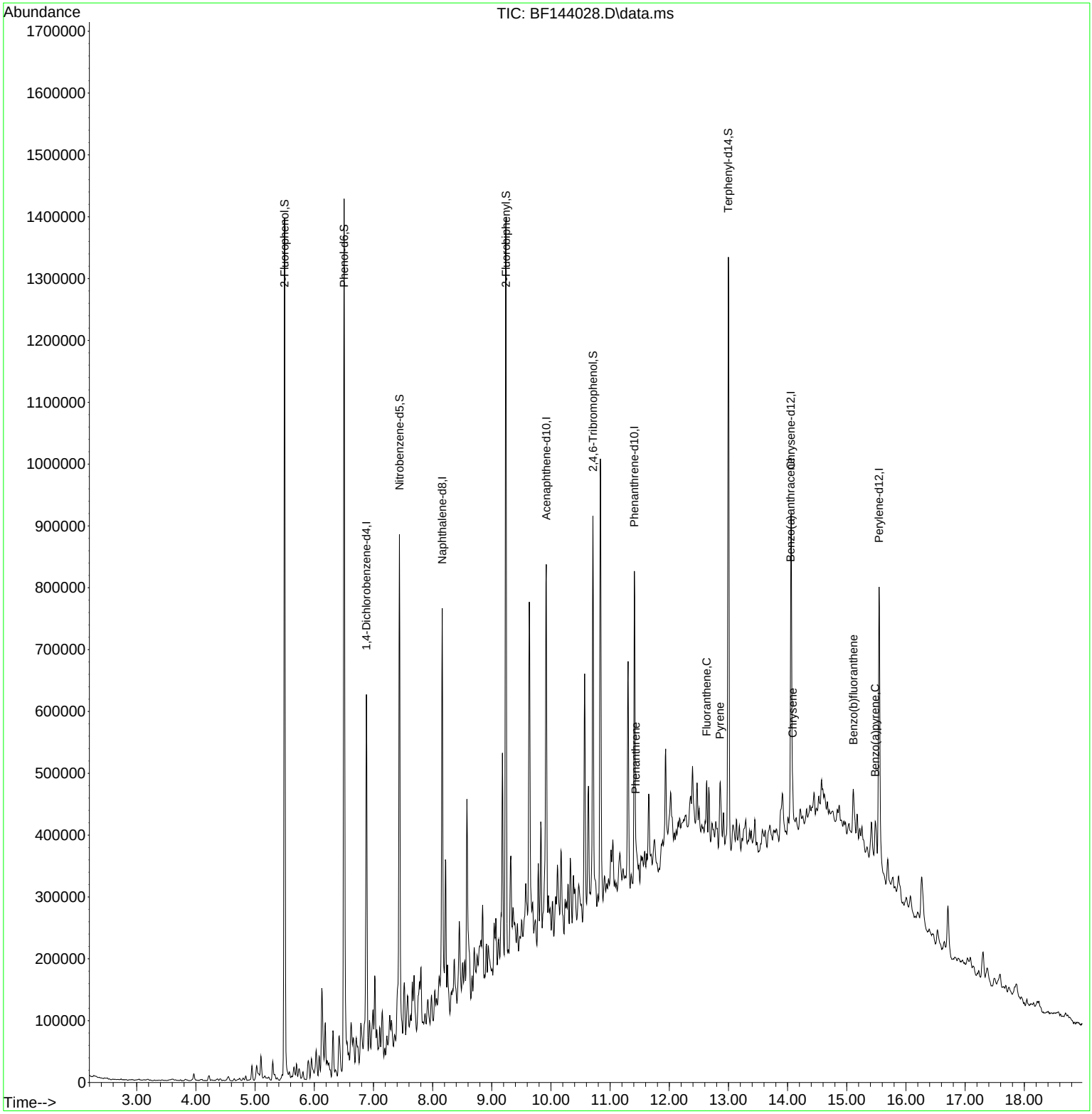
(#) = qualifier out of range (m) = manual integration (+) = signals summed

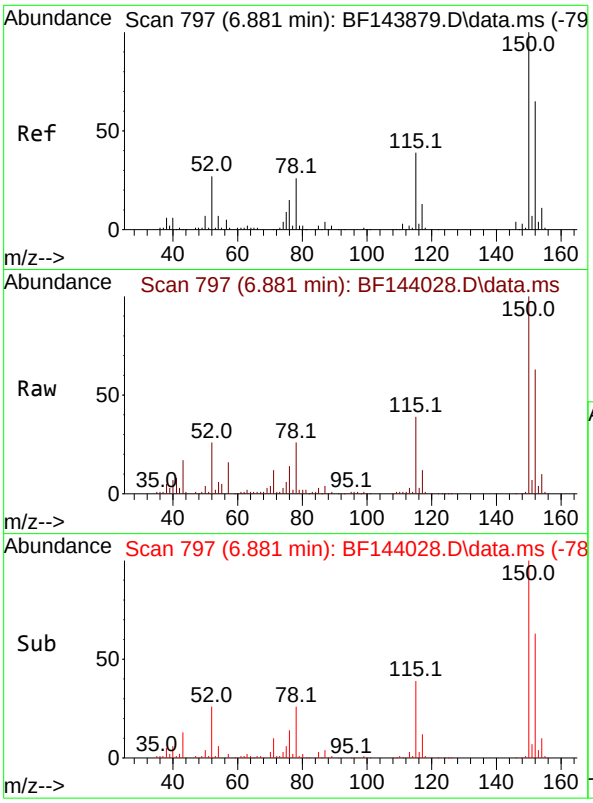
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Oct 22 11:13:39 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-S05-057082-20251016

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

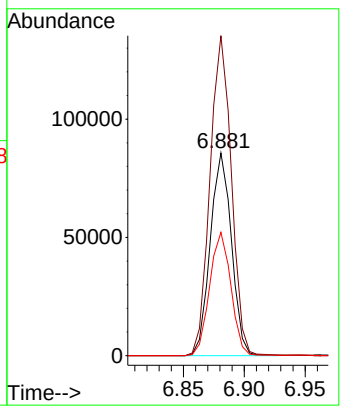




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:152 Resp: 10397

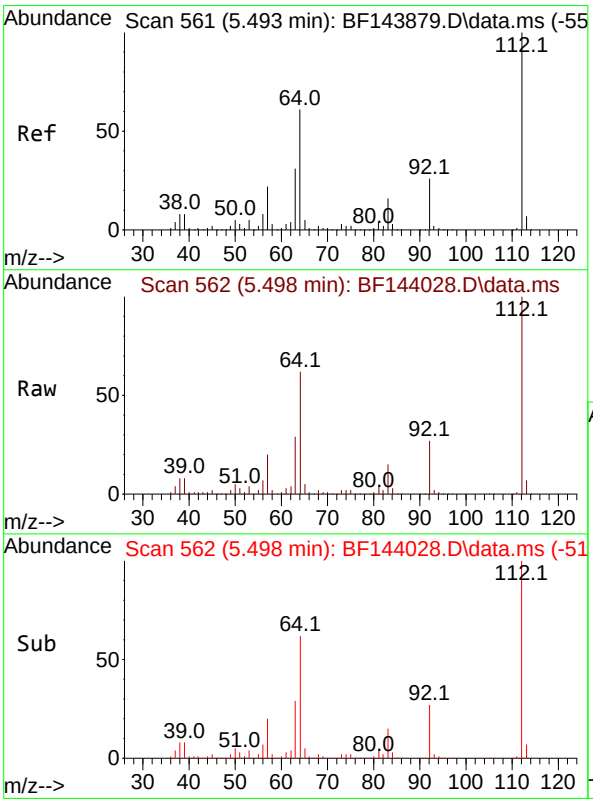
Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.4	186.6
115	60.8	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

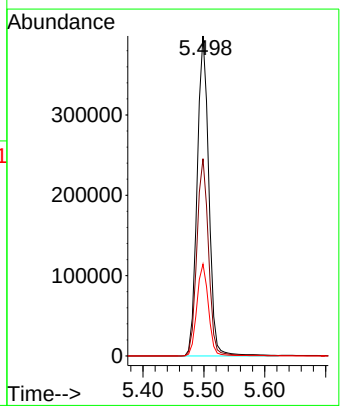
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

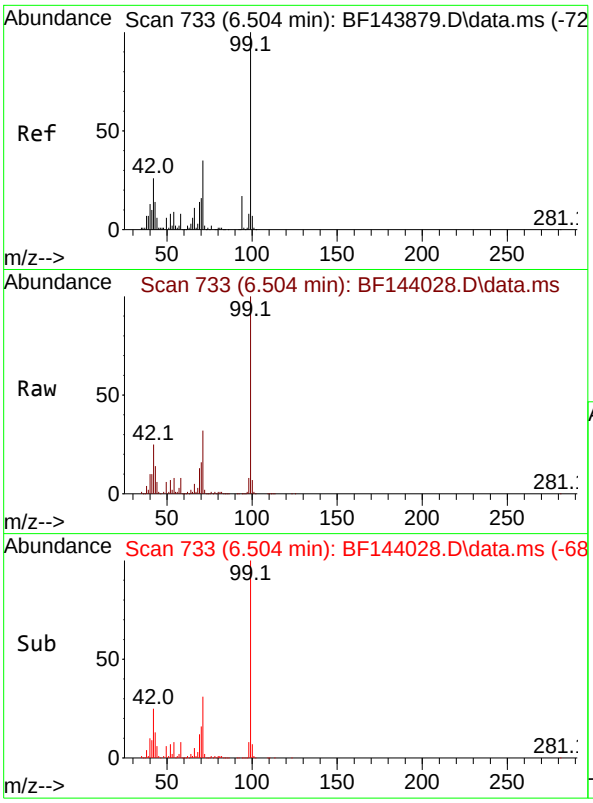


#5
2-Fluorophenol
Concen: 80.877 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:112 Resp: 529523

Ion	Ratio	Lower	Upper
112	100		
64	61.7	49.1	73.7
63	28.7	24.5	36.7

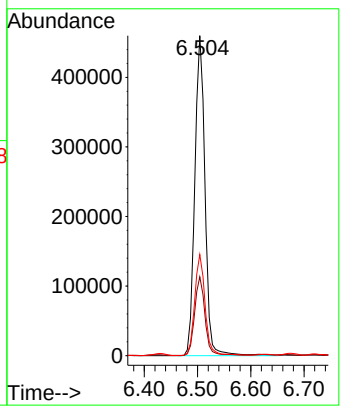




#7
Phenol-d6
Concen: 78.709 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion: 99 Resp: 61425

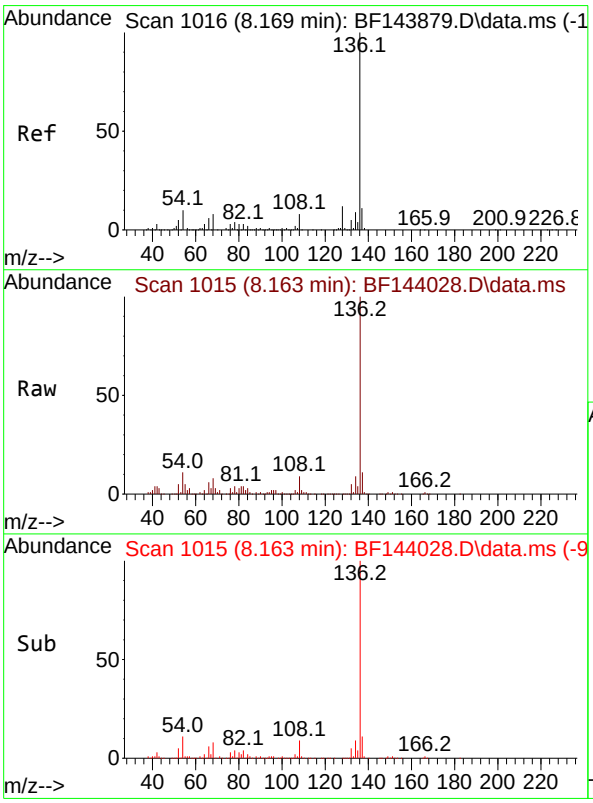
Ion	Ratio	Lower	Upper
99	100		
42	24.7	21.0	31.4
71	31.6	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

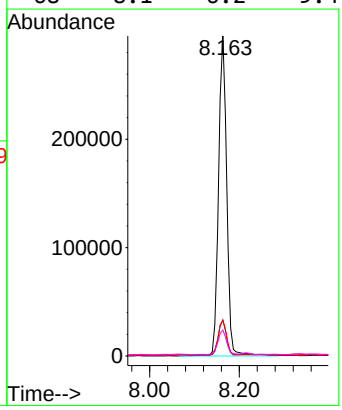
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

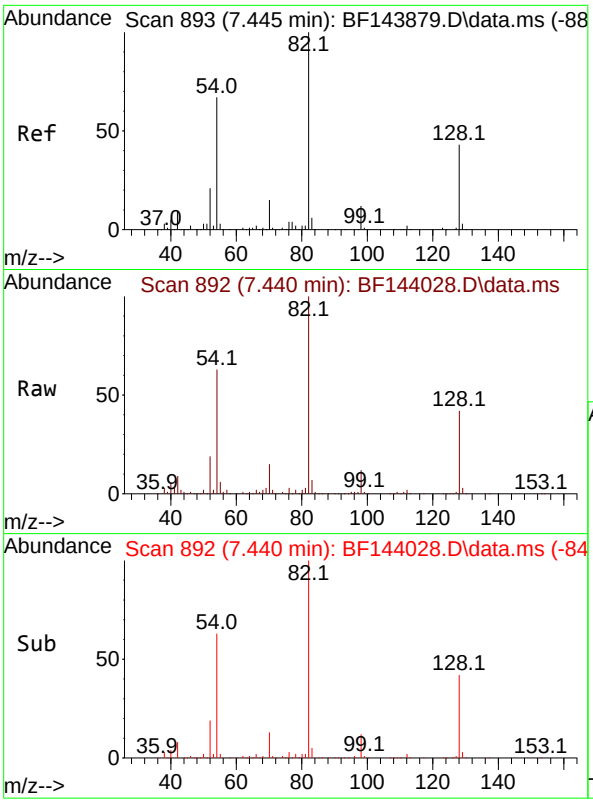


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:136 Resp: 375202

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.2	8.2	12.4
68	8.1	6.2	9.4

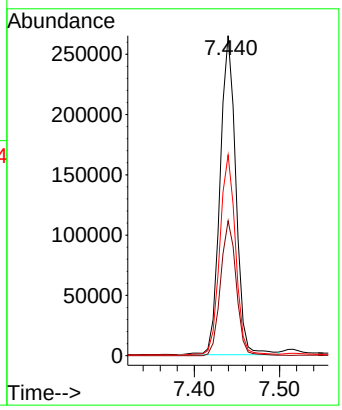




#23
Nitrobenzene-d5
Concen: 55.243 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion: 82 Resp: 34116

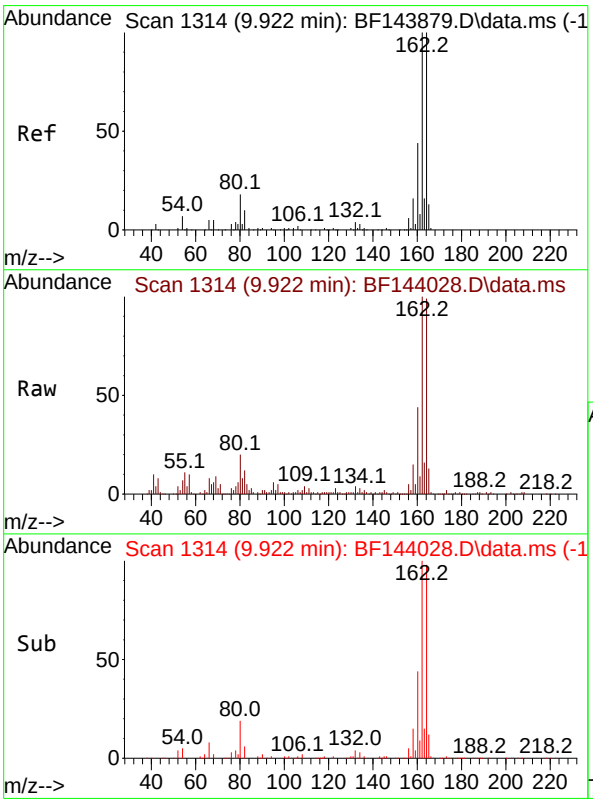
Ion	Ratio	Lower	Upper
82	100		
128	42.2	34.0	51.0
54	62.8	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

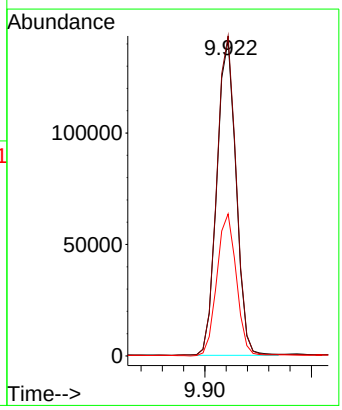
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

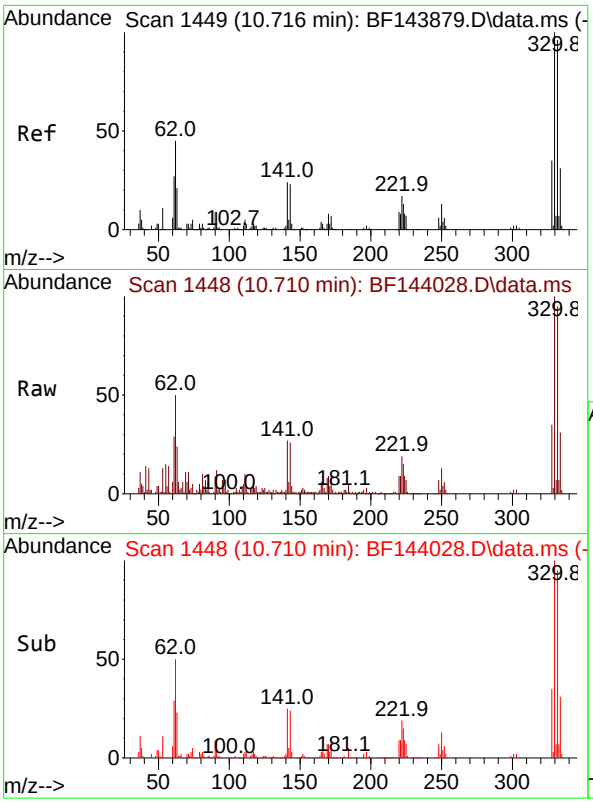


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:164 Resp: 176662

Ion	Ratio	Lower	Upper
164	100		
162	101.4	80.2	120.2
160	45.0	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 68.380 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

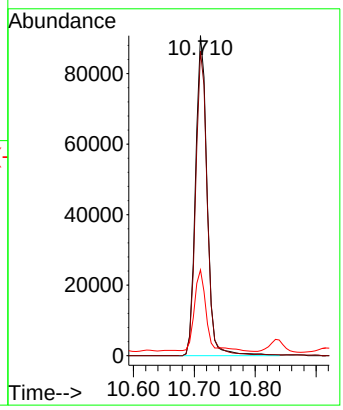
Tgt Ion:330 Resp: 12032

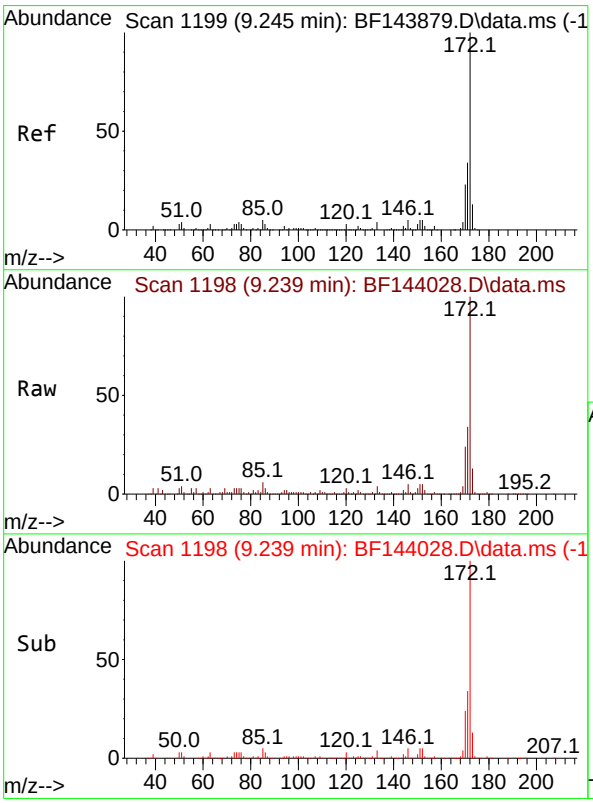
Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	26.0	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

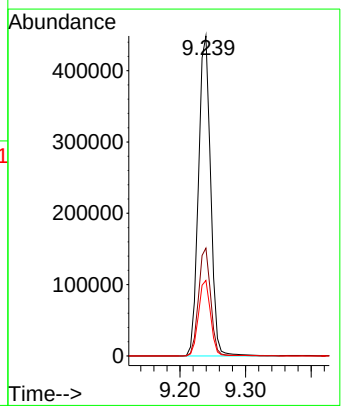


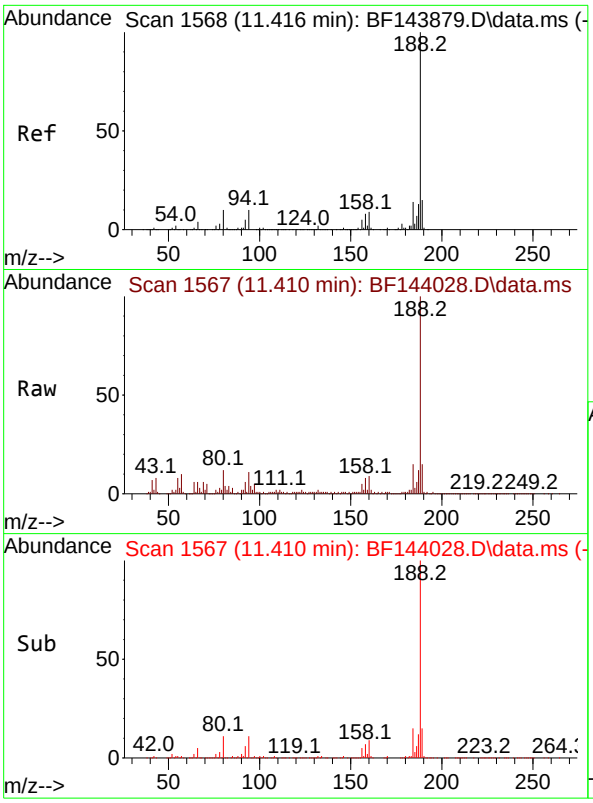


#45
2-Fluorobiphenyl
Concen: 52.154 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:172 Resp: 580664

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.4	41.0
170	23.6	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: BF144028.D
Acq: 21 Oct 2025 22:53

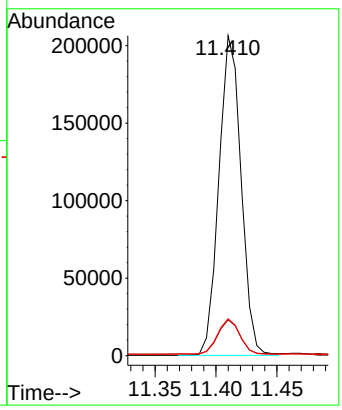
Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

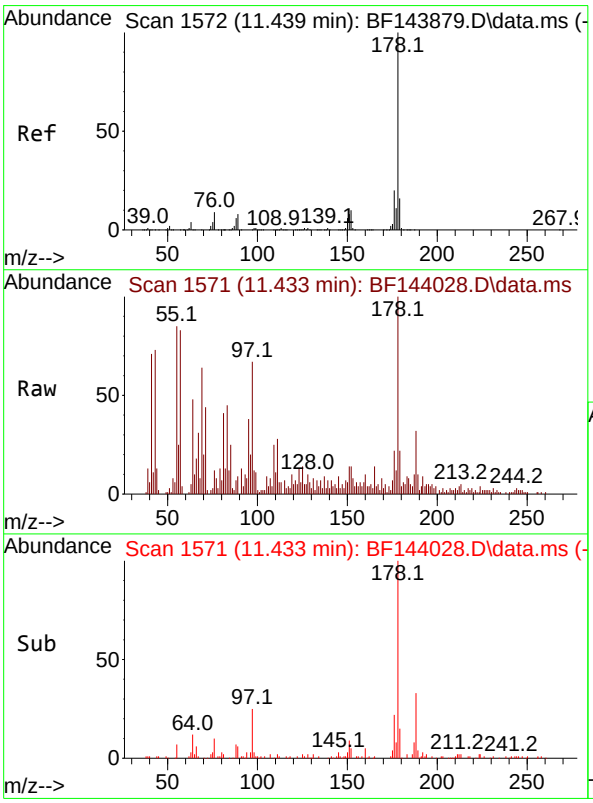
Tgt Ion:188 Resp: 26148

Ion	Ratio	Lower	Upper
188	100		
94	11.2	7.8	11.6
80	11.5	7.9	11.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

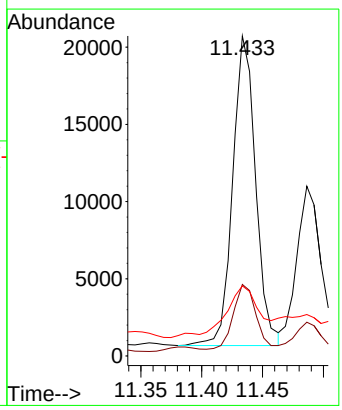


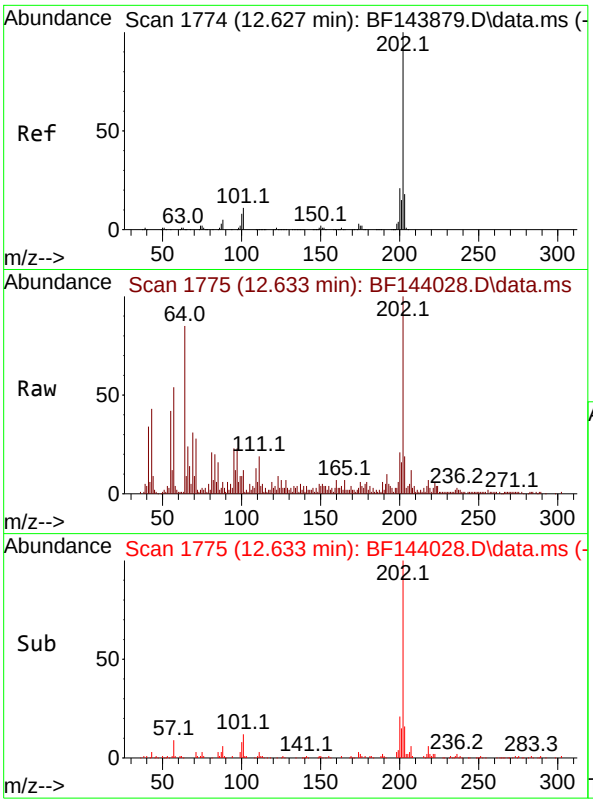


#71
Phenanthrene
Concen: 2.073 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:178 Resp: 26275

Ion	Ratio	Lower	Upper
178	100		
176	22.4	15.9	23.9
179	21.9	12.4	18.6#

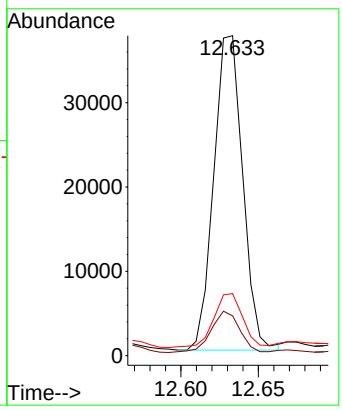




#75
Fluoranthene
Concen: 3.699 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:202 Resp: 4843

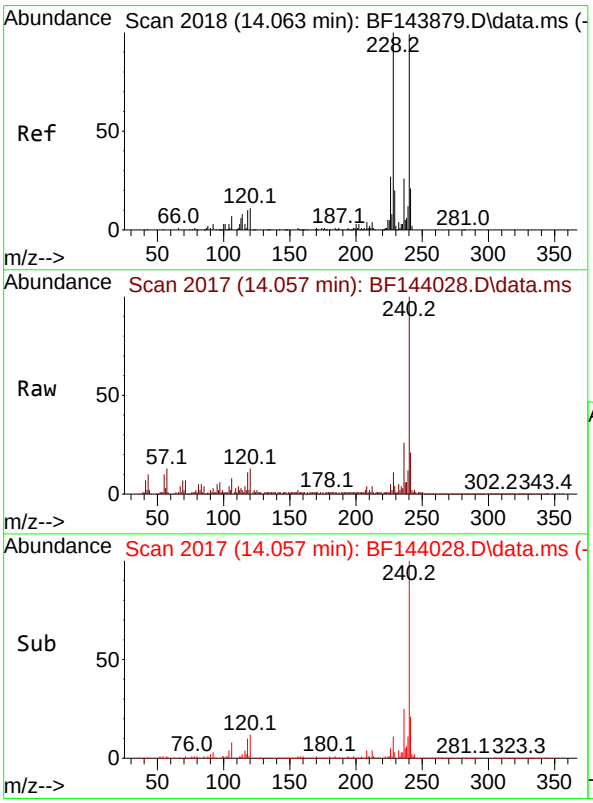
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	30.7
203	19.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

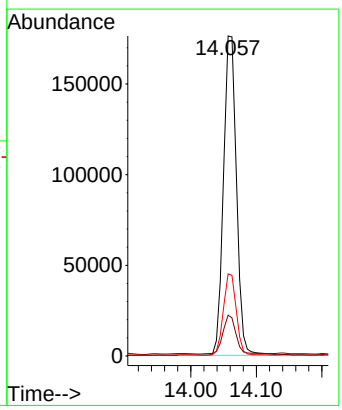
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

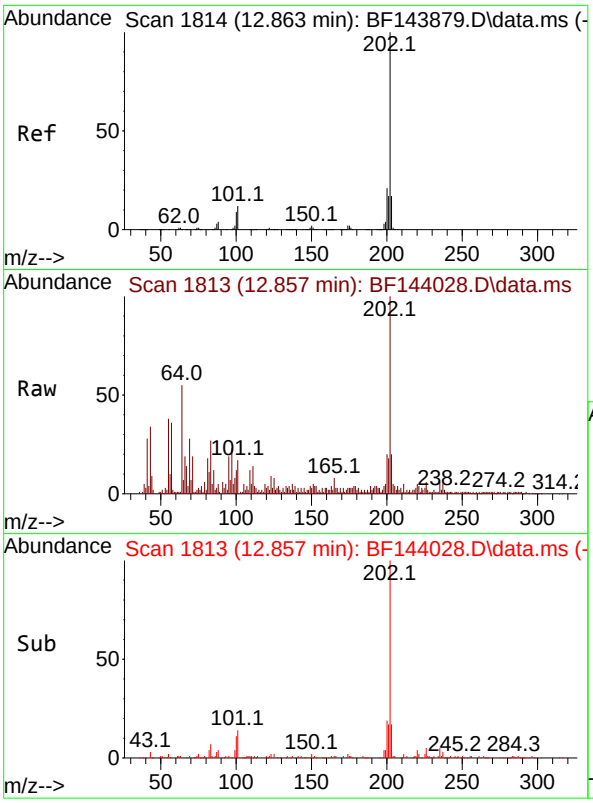


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:240 Resp: 242210

Ion	Ratio	Lower	Upper
240	100		
120	12.7	8.6	13.0
236	25.7	21.1	31.7

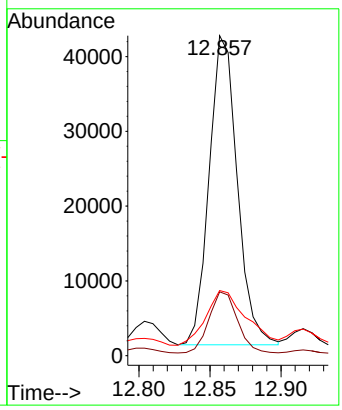




#78
Pyrene
Concen: 2.822 ng
RT: 12.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:202 Resp: 5698

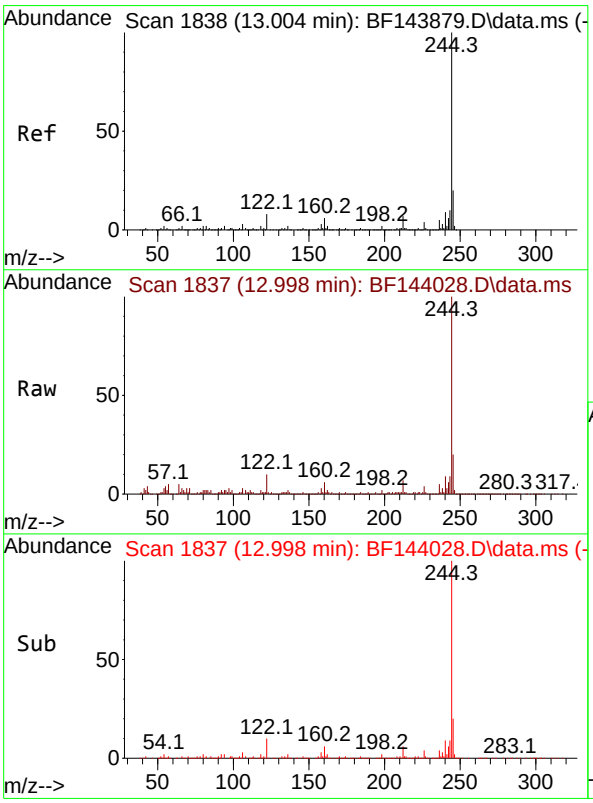
Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.0	25.6
203	20.4	13.8	20.6



Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations APPROVED

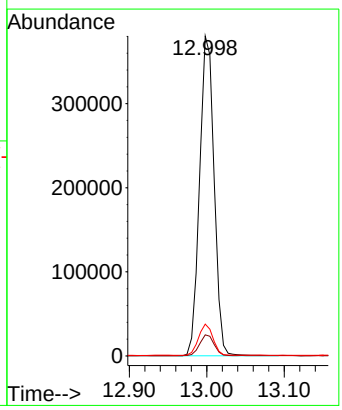
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

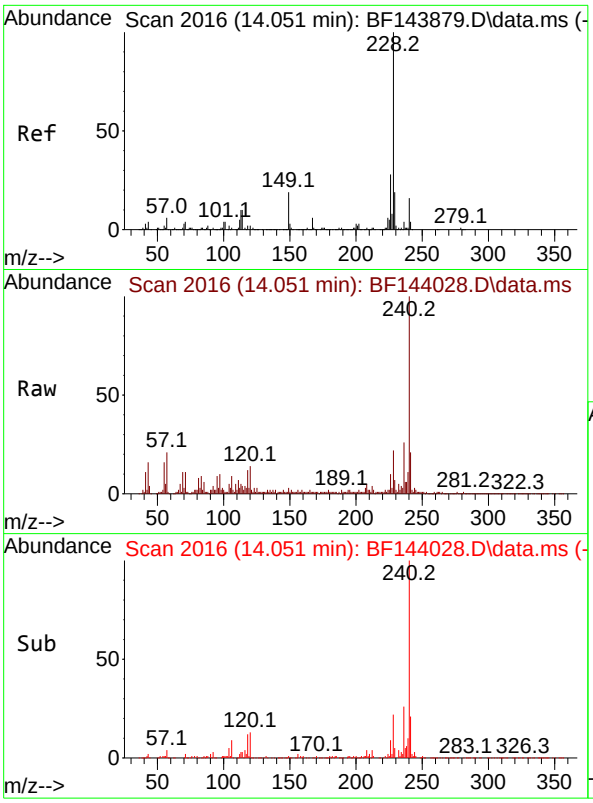


#79
Terphenyl-d14
Concen: 34.976 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:244 Resp: 495672

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.0	6.4	9.6#





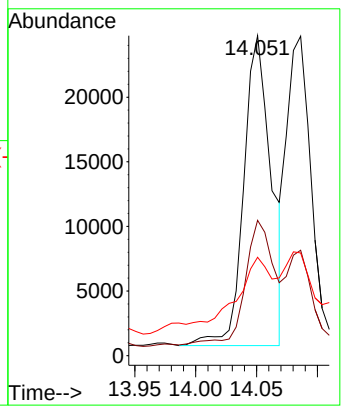
#81
Benzo(a)anthracene
Concen: 2.386 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

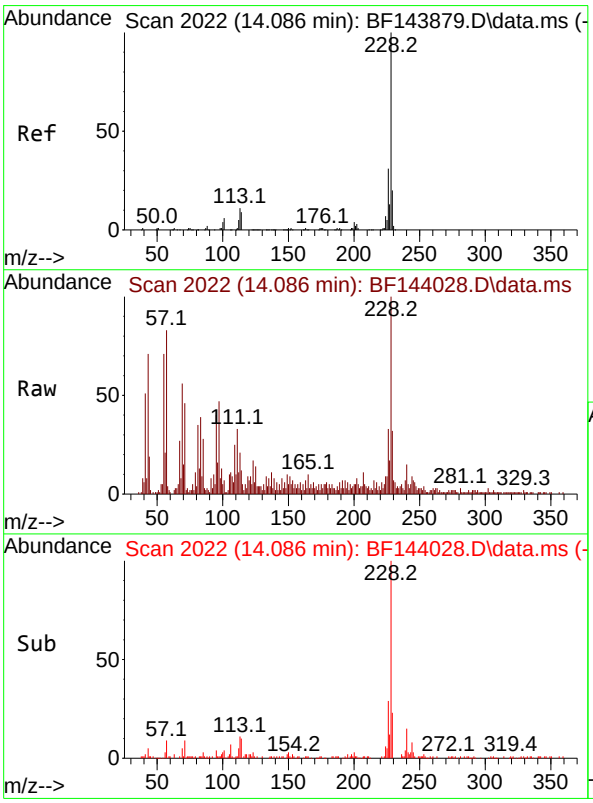
Tgt Ion:228 Resp: 3781

Ion	Ratio	Lower	Upper
228	100		
226	42.3	22.2	33.2#
229	30.8	15.6	23.4#

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

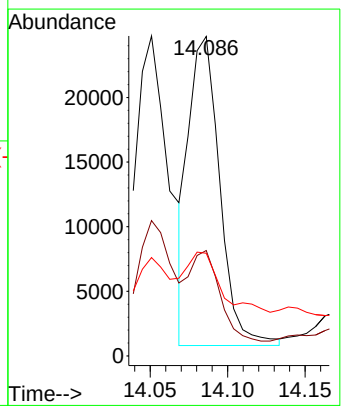


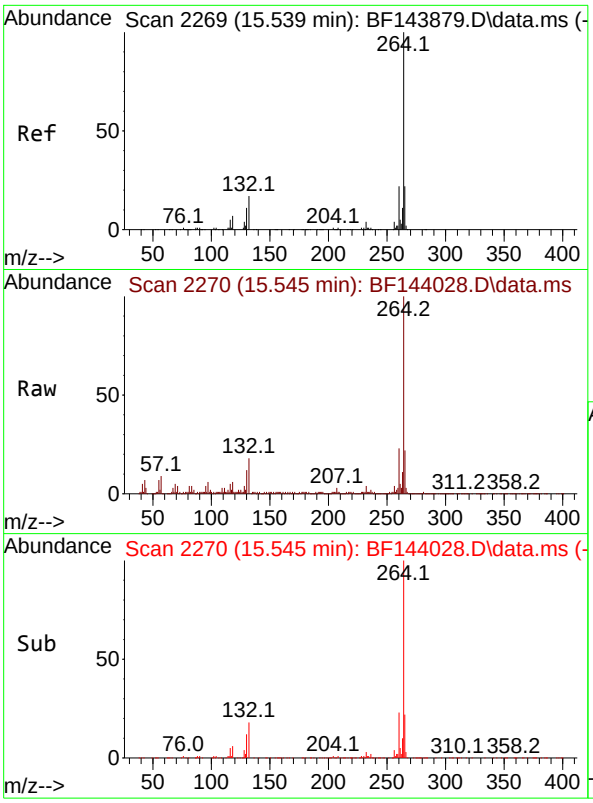


#83
Chrysene
Concen: 2.275 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:228 Resp: 33377

Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.4	36.6
229	32.2	15.9	23.9#

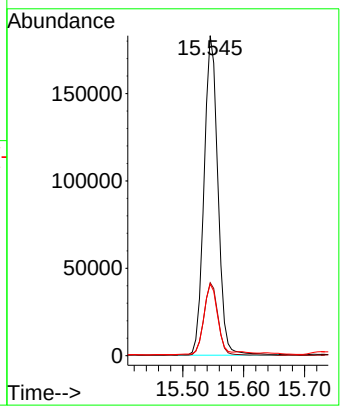




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:264 Resp: 28948

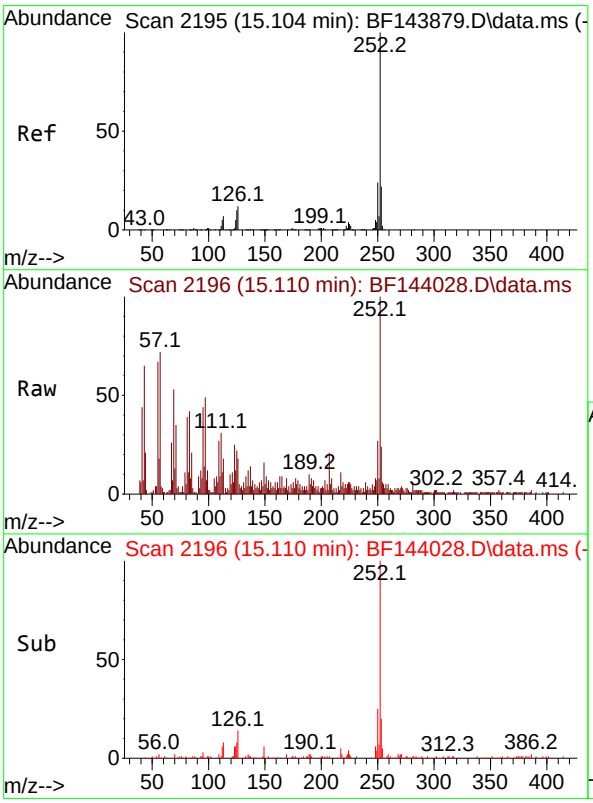
Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.8	26.8
265	22.4	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

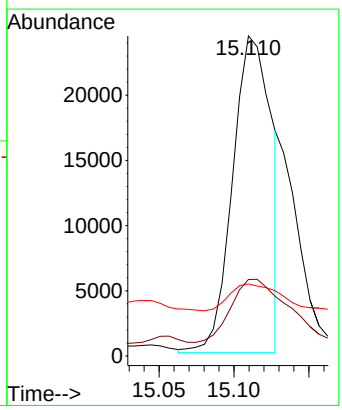
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

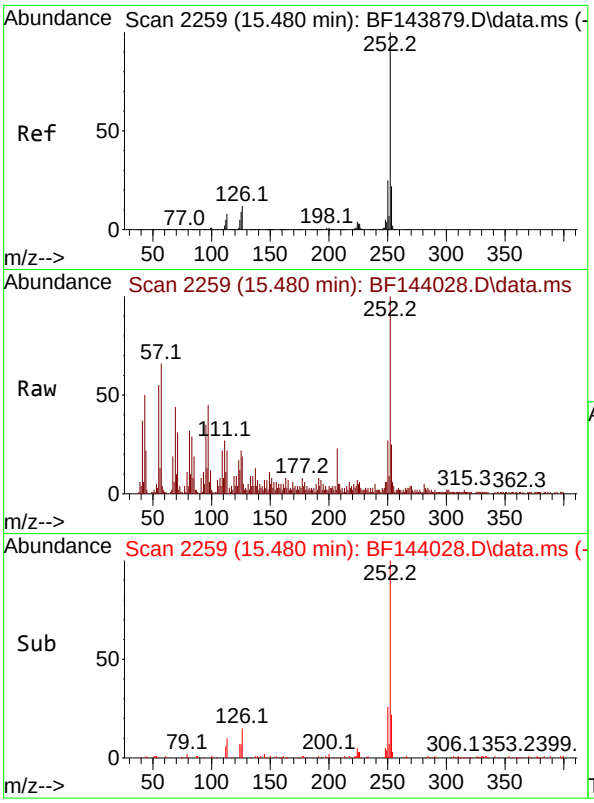


#88
Benzo(b)fluoranthene
Concen: 2.644 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:252 Resp: 43966

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	22.5	7.8	11.6#

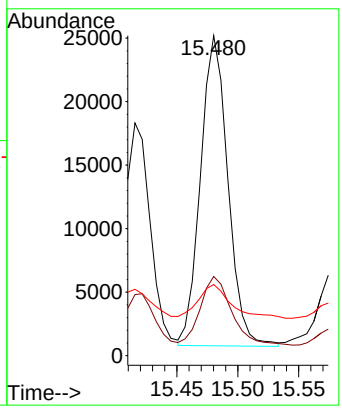




#90
Benzo(a)pyrene
Concen: 2.659 ng
RT: 15.480 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144028.D
Acq: 21 Oct 2025 22:53

Tgt Ion:252 Resp: 3833

Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.3	25.9
125	22.3	7.0	10.4



Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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: BF144028.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.963	290	301	307	rBV	10973	20504	1.05%	0.085%
2	4.946	460	468	474	rVB	23537	35081	1.80%	0.146%
3	5.028	474	482	490	rBV3	23607	60513	3.10%	0.251%
4	5.099	490	494	499	rVB	35307	51450	2.63%	0.214%
5	5.299	523	528	532	rBV2	30450	47620	2.44%	0.198%
6	5.498	556	562	573	rVV	1388705	1824584	93.44%	7.583%
7	5.657	584	589	593	rBV3	16065	27030	1.38%	0.112%
8	5.698	593	596	600	rVV	22416	28665	1.47%	0.119%
9	5.740	600	603	609	rVV3	15909	28853	1.48%	0.120%
10	5.898	624	630	635	rBV4	30713	62145	3.18%	0.258%
11	5.951	635	639	647	rBV3	31490	69239	3.55%	0.288%
12	6.034	647	653	658	rVB2	41322	70500	3.61%	0.293%
13	6.081	658	661	665	rBV	31599	44664	2.29%	0.186%
14	6.128	665	669	675	rBV2	133984	230316	11.79%	0.957%
15	6.187	675	679	682	rVB	66557	80796	4.14%	0.336%
16	6.316	696	701	706	rBV2	74862	119118	6.10%	0.495%
17	6.422	713	719	726	rBV3	64710	143998	7.37%	0.598%
18	6.504	727	733	740	rBV	1410170	1952683	100.00%	8.115%
19	6.622	748	753	757	rBV5	60808	108777	5.57%	0.452%
20	6.657	757	759	764	rVB3	39941	58214	2.98%	0.242%
21	6.710	764	768	771	rBV	39705	65489	3.35%	0.272%
22	6.787	776	781	788	rBV2	64448	153893	7.88%	0.640%
23	6.881	792	797	802	rVB2	577074	812311	41.60%	3.376%
24	6.934	802	806	810	rBV2	49701	66432	3.40%	0.276%
25	6.993	810	816	818	rBV4	62948	111987	5.74%	0.465%
26	7.022	818	821	825	rVV	113630	153653	7.87%	0.639%
27	7.057	825	827	830	rVB	32331	31623	1.62%	0.131%
28	7.104	832	835	838	rBV2	34463	37558	1.92%	0.156%
29	7.151	838	843	847	rVB3	73976	121060	6.20%	0.503%
30	7.228	852	856	859	rBV2	30678	44794	2.29%	0.186%
31	7.275	860	864	867	rBV3	45587	64536	3.30%	0.268%
32	7.304	867	869	875	rVB4	42126	58704	3.01%	0.244%
33	7.357	875	878	881	rBV2	18791	27303	1.40%	0.113%
34	7.440	881	892	901	rBV	817993	1303146	66.74%	5.416%
35	7.522	901	906	910	rVB3	84885	140332	7.19%	0.583%
36	7.575	910	915	920	rBV3	63675	122673	6.28%	0.510%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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	7.657	926	929	931	rBV2	62959	72259	3.70%	0.300%
38	7.687	931	934	941	rVB5	90226	146593	7.51%	0.609%
39	7.781	942	950	951	rBV3	76897	163610	8.38%	0.680%
40	7.804	951	954	958	rVB3	89324	110682	5.67%	0.460%
41	7.916	969	973	980	rVB5	39687	74377	3.81%	0.309%
42	7.981	980	984	989	rBV3	47193	70794	3.63%	0.294%
43	8.040	990	994	996	rBV2	47322	67517	3.46%	0.281%
44	8.163	1009	1015	1021	rBV	610036	817941	41.89%	3.399%
45	8.216	1021	1024	1028	rVB	206546	248660	12.73%	1.033%
46	8.251	1028	1030	1037	rVB4	79403	128912	6.60%	0.536%
47	8.316	1038	1041	1043	rBV	30575	44412	2.27%	0.185%
48	8.369	1047	1050	1057	rVB5	71109	122426	6.27%	0.509%
49	8.451	1058	1064	1070	rBV5	127849	247439	12.67%	1.028%
50	8.510	1071	1074	1076	rBV2	40264	45495	2.33%	0.189%
51	8.581	1082	1086	1097	rVB	322751	601706	30.81%	2.501%
52	8.669	1098	1101	1103	rBV2	34307	38273	1.96%	0.159%
53	8.704	1103	1107	1112	rBV5	70858	130938	6.71%	0.544%
54	8.845	1128	1131	1135	rVB	118586	155806	7.98%	0.648%
55	8.910	1139	1142	1144	rBV4	48959	49636	2.54%	0.206%
56	8.939	1145	1147	1156	rVB7	40818	70947	3.63%	0.295%
57	9.039	1160	1164	1167	rBV4	84703	140423	7.19%	0.584%
58	9.157	1181	1184	1185	rBV	69035	75733	3.88%	0.315%
59	9.181	1185	1188	1193	rVB	326397	389938	19.97%	1.621%
60	9.239	1193	1198	1203	rBV	1191167	1536512	78.69%	6.386%
61	9.322	1207	1212	1216	rBV3	157439	271432	13.90%	1.128%
62	9.634	1260	1265	1272	rBV2	506460	776292	39.76%	3.226%
63	9.786	1287	1291	1294	rBV2	132740	182426	9.34%	0.758%
64	9.828	1295	1298	1302	rVB	175495	231068	11.83%	0.960%
65	9.922	1310	1314	1318	rVB	563253	728309	37.30%	3.027%
66	10.169	1353	1356	1365	rVB3	134545	251353	12.87%	1.045%
67	10.239	1365	1368	1370	rBV2	56178	73896	3.78%	0.307%
68	10.328	1380	1383	1388	rBV4	106134	147559	7.56%	0.613%
69	10.381	1389	1392	1394	rBV2	69317	88552	4.53%	0.368%
70	10.569	1419	1424	1430	rBV	397017	597625	30.61%	2.484%
71	10.633	1431	1435	1439	rVV	179649	243703	12.48%	1.013%
72	10.710	1444	1448	1459	rVB	633868	933128	47.79%	3.878%
73	10.833	1465	1469	1477	rVB	714743	998446	51.13%	4.150%
74	11.304	1545	1549	1555	rVB	367230	526398	26.96%	2.188%
75	11.410	1563	1567	1578	rBV	505086	779260	39.91%	3.239%
76	11.651	1605	1608	1613	rBV	104235	136955	7.01%	0.569%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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	11.939	1654	1657	1663	rVB2	137583	172971	8.86%	0.719%
78	12.998	1833	1837	1845	rVB	959172	1298385	66.49%	5.396%
79	14.057	2013	2017	2026	rVB	494747	763654	39.11%	3.174%
80	15.545	2266	2270	2289	rVB	480534	929092	47.58%	3.861%

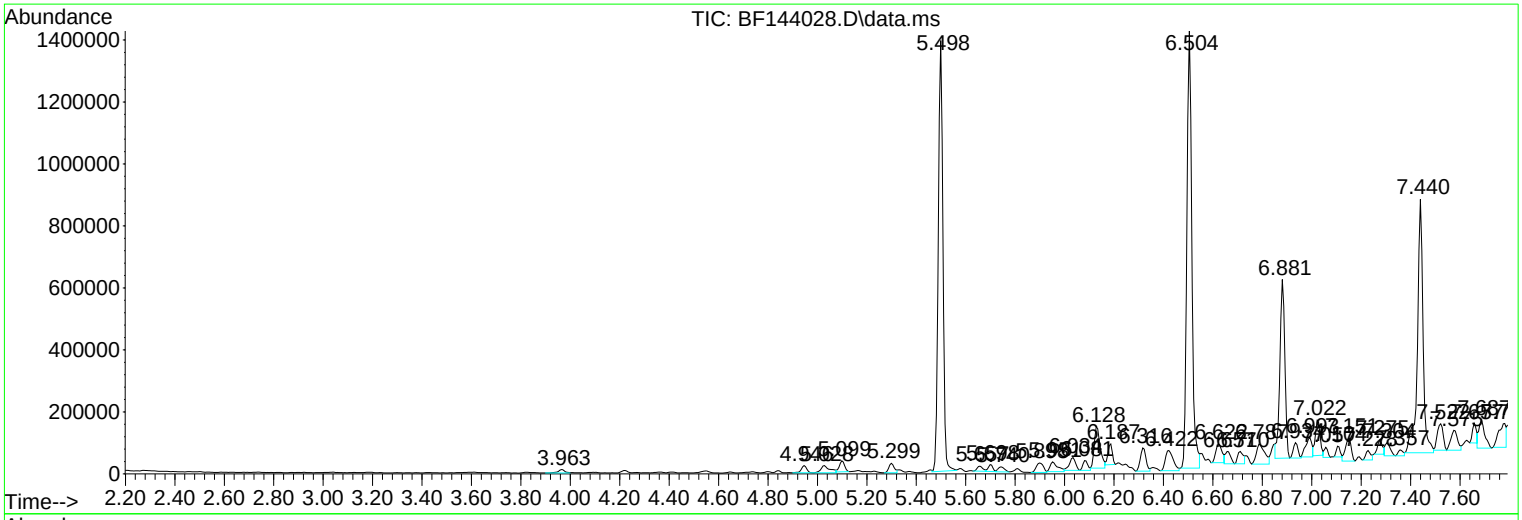
Sum of corrected areas: 24061777

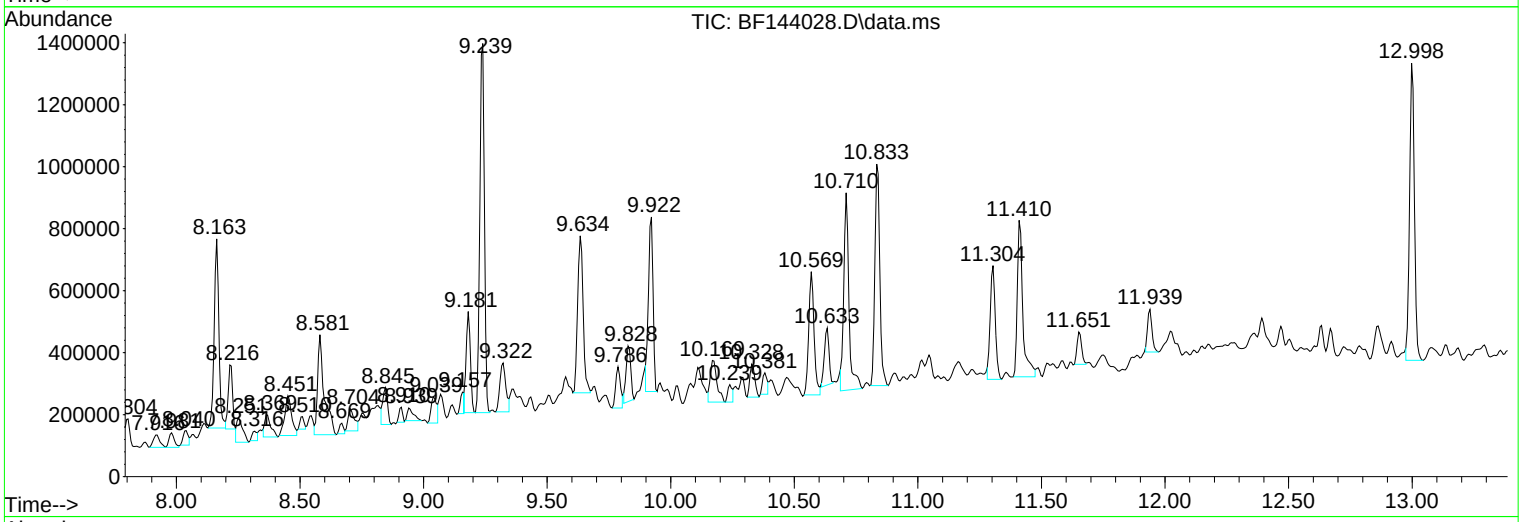
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

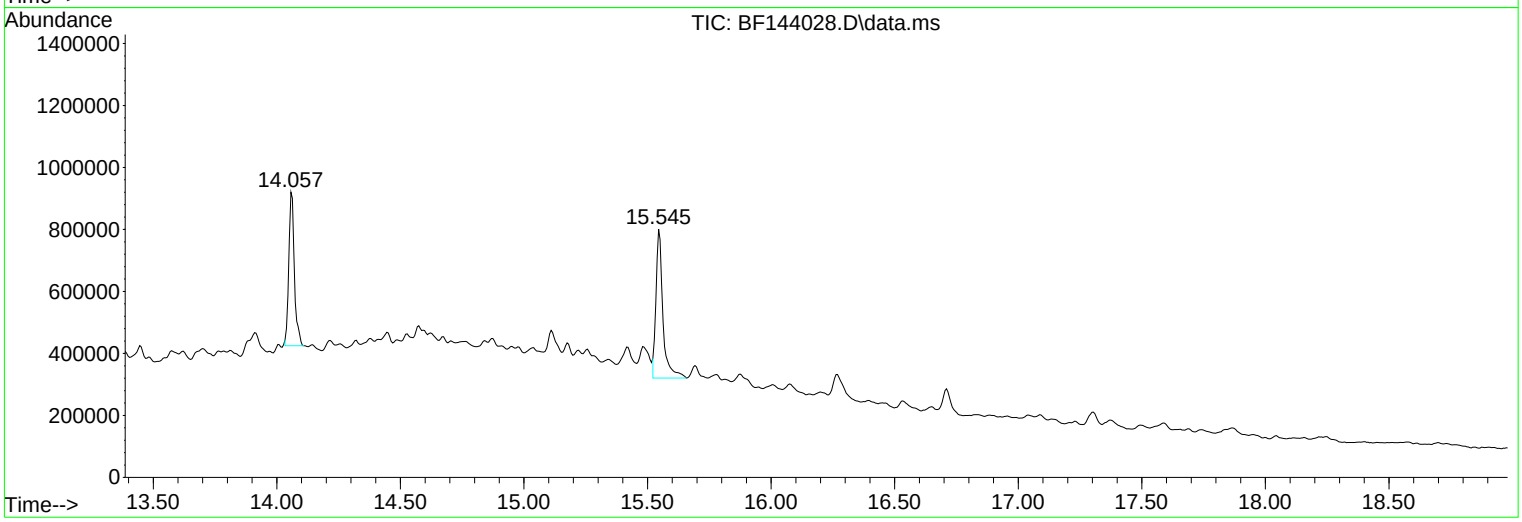
Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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

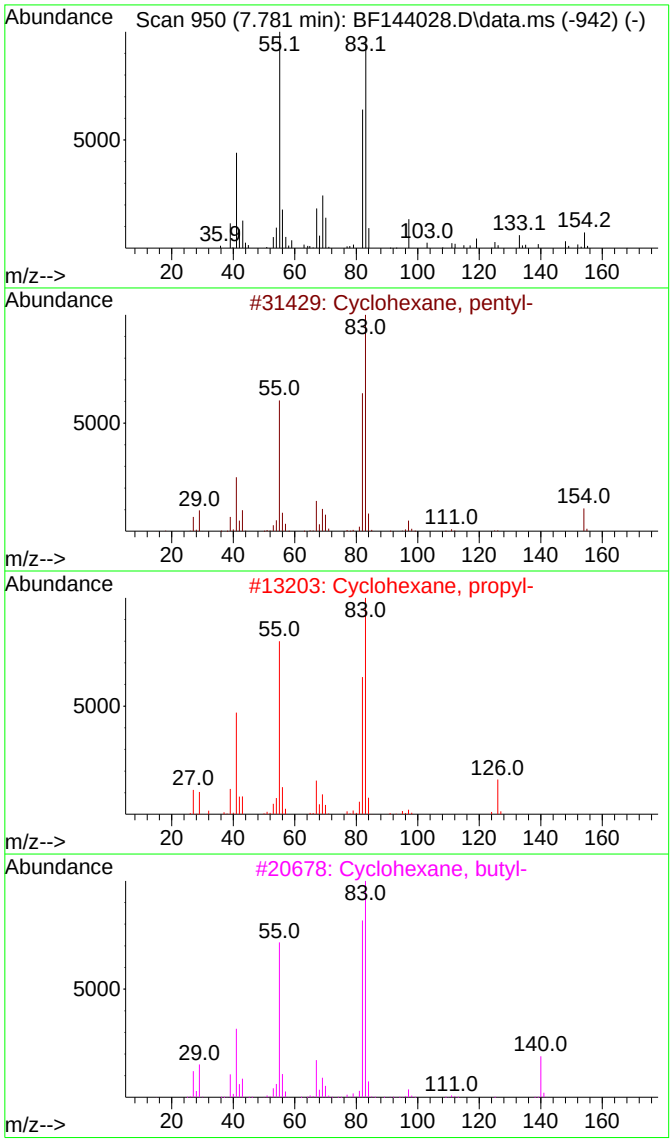
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

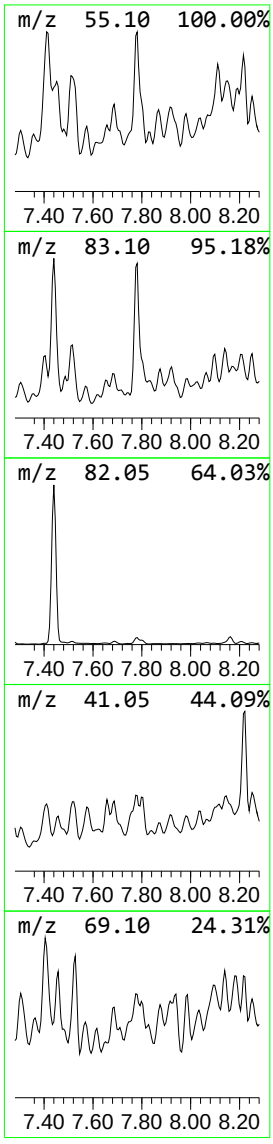
****

Peak Number 4 Cyclohexane, pentyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.781	4.00 ng	163610	Naphthalene-d8	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	64
5	Cyclohexane, (3-methylpentyl)-	168	C12H24	061142-38-9	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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

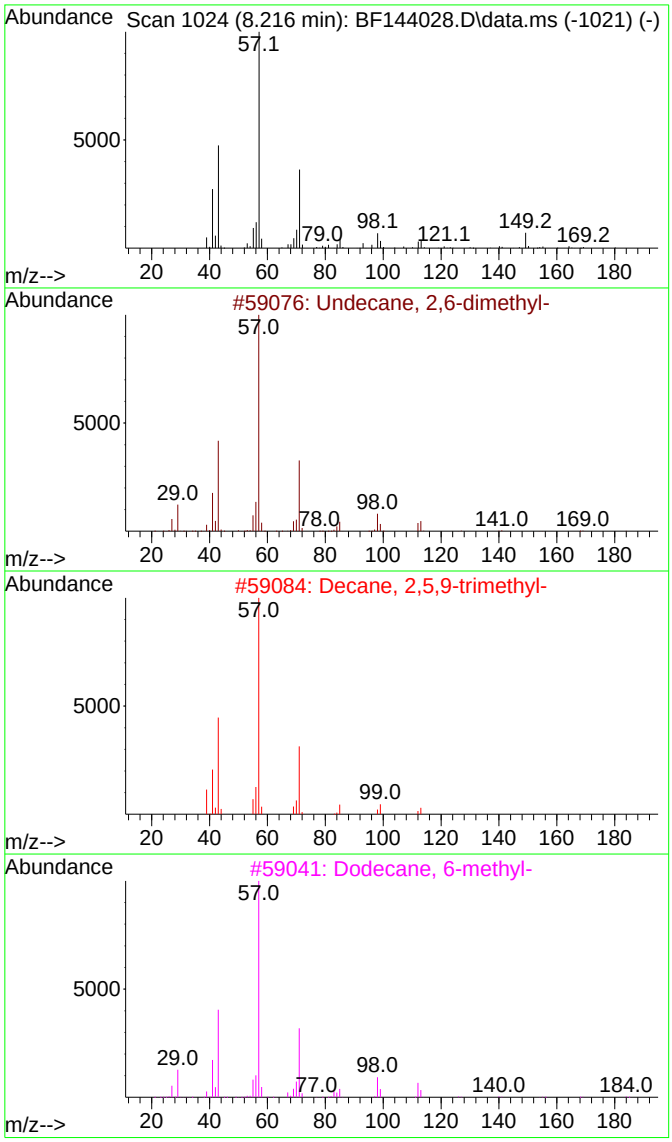
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

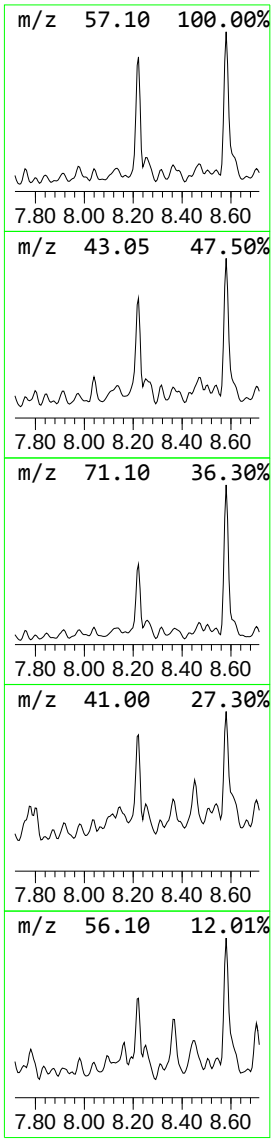
****

Peak Number 5 Undecane, 2,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.216	6.08 ng	248660	Naphthalene-d8	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	86
2	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	72
3	Dodecane, 6-methyl-	184	C13H28	006044-71-9	72
4	Undecane, 5-ethyl-	184	C13H28	017453-94-0	59
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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

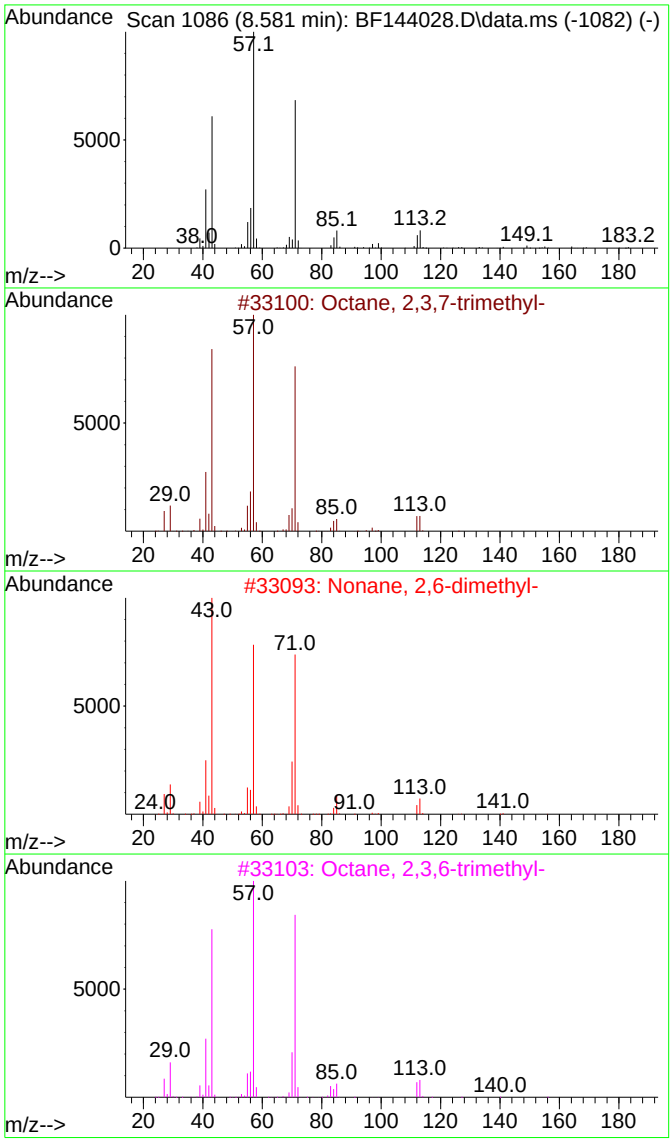
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

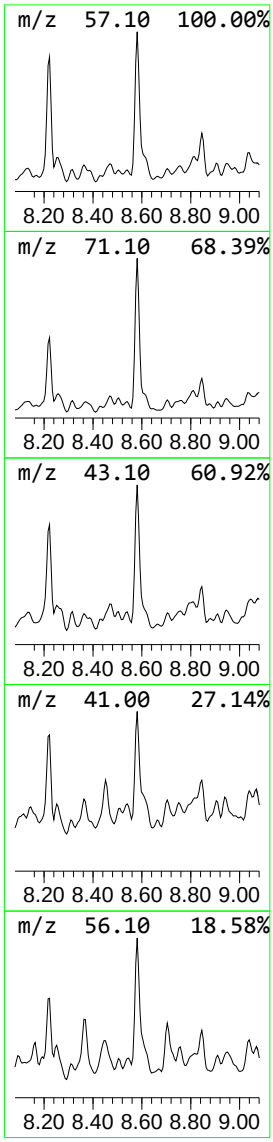
****

Peak Number 7 Octane, 2,3,7-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.581	14.71 ng	601706	Naphthalene-d8	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	90
2	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	86
3	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	83
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	64
5	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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

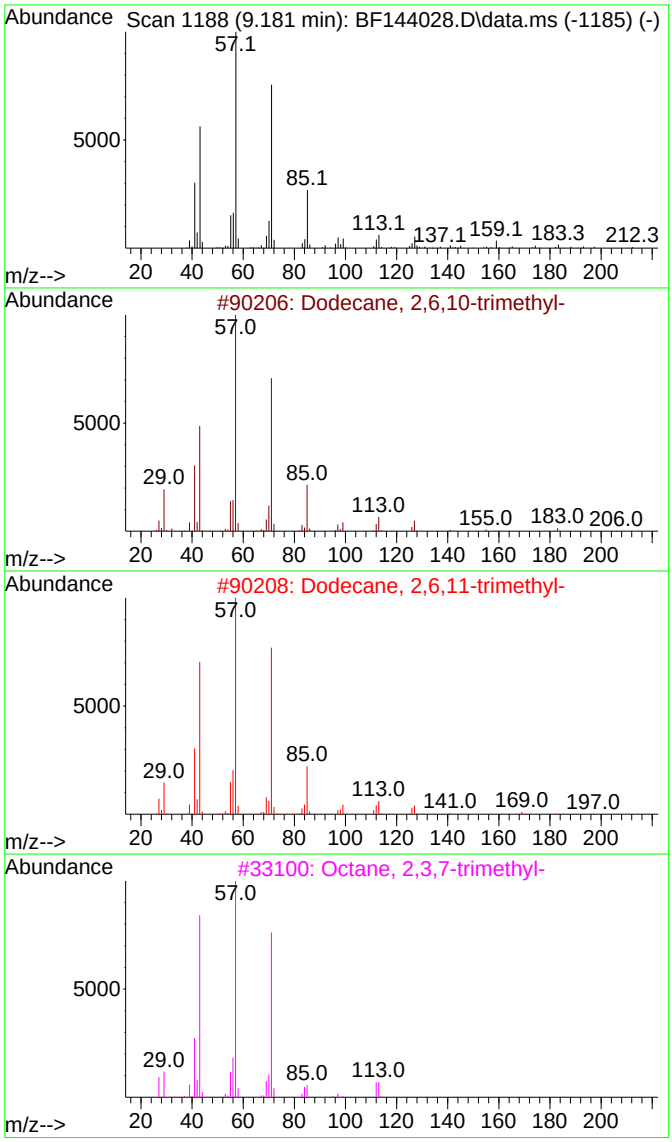
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

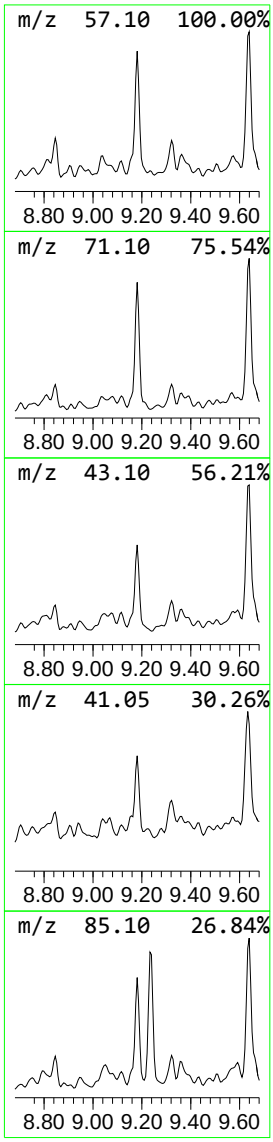
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.181	10.71 ng	389938	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	91
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	80
3	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64
4	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	59
5	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

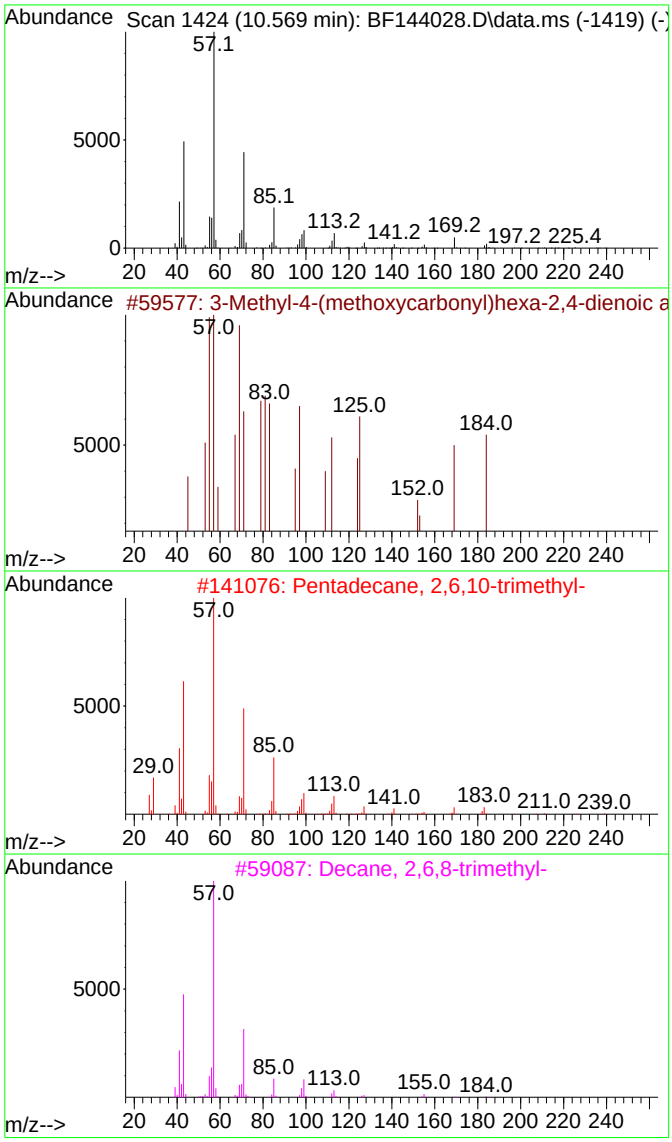
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

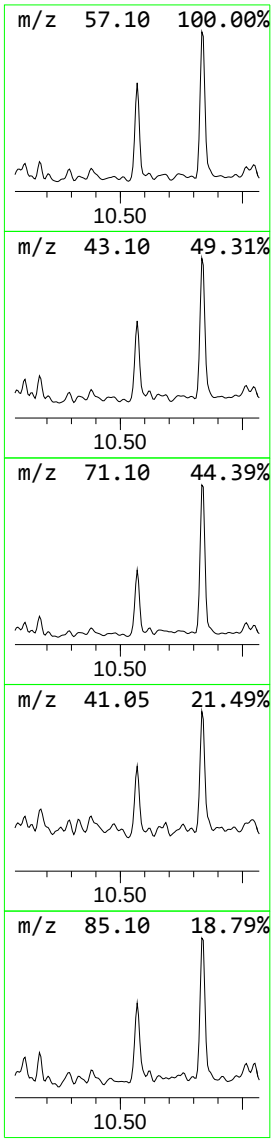
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 3-Methyl-4-(methoxycarbonyl... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	16.41 ng	597625	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1010104-10-8	92
2	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	90
3	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	83
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	78
5	Tridecane	184	C13H28	000629-50-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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

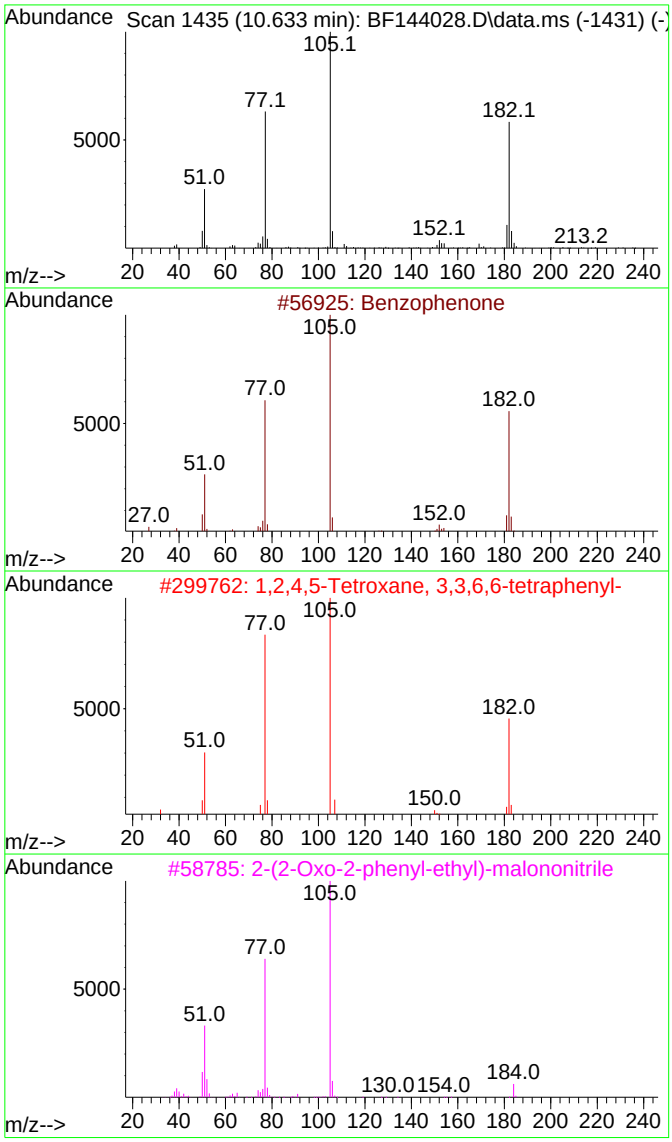
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

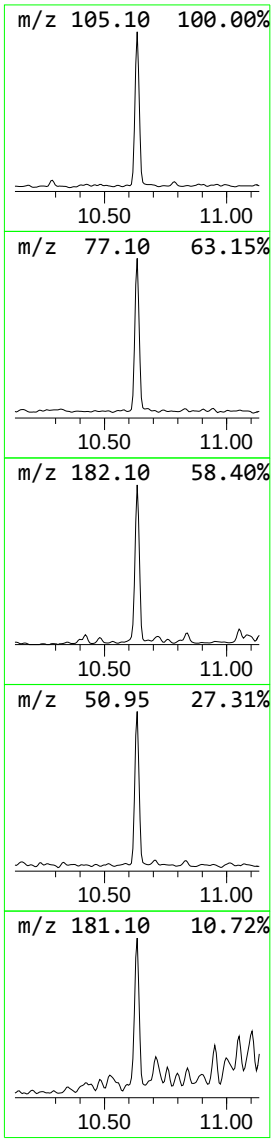
****

Peak Number 17 Benzophenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	6.69 ng	243703	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	1,2,4,5-Tetroxane, 3,3,6,6-tetra...	396	C26H20O4	016204-36-7	78
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	53
4	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	49
5	N-Methylbenzamide, N-chlorodiflu...	247	C10H8ClF2NO2	1000446-98-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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

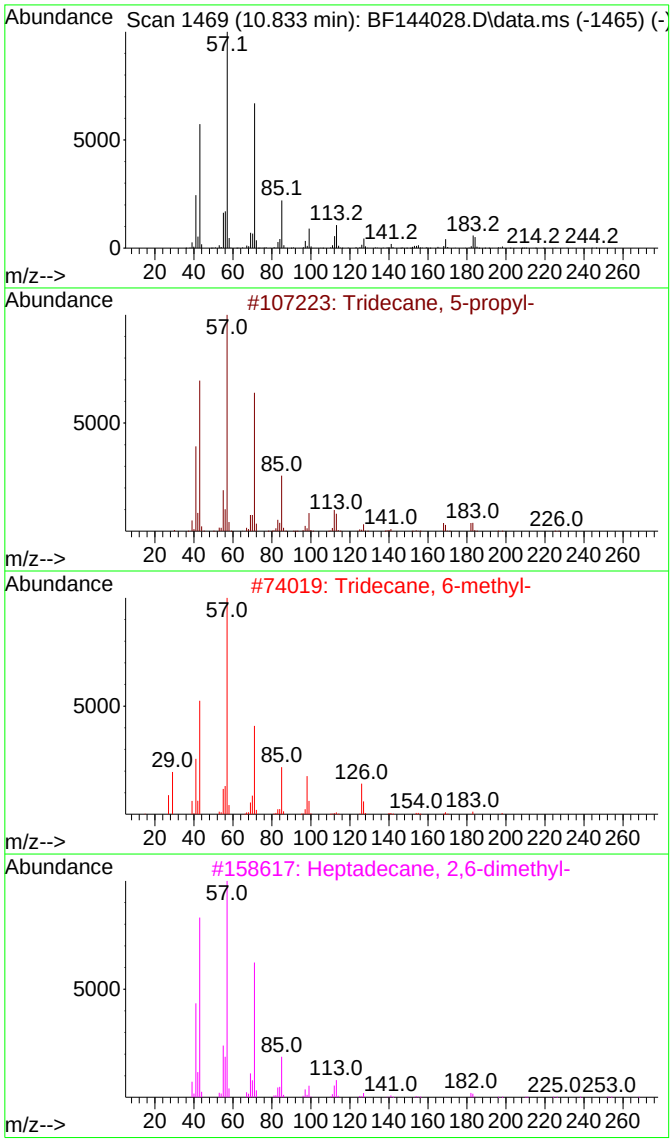
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

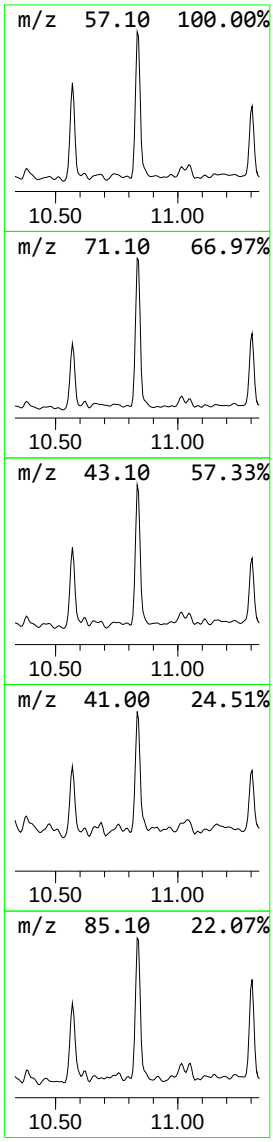
****

Peak Number 18 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.833	25.63 ng	998446	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	93
2	Tridecane, 6-methyl-	198	C14H30	013287-21-3	76
3	Heptadecane, 2,6-dimethyl-	268	C19H40	054105-67-8	72
4	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	64
5	Tridecane	184	C13H28	000629-50-5	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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

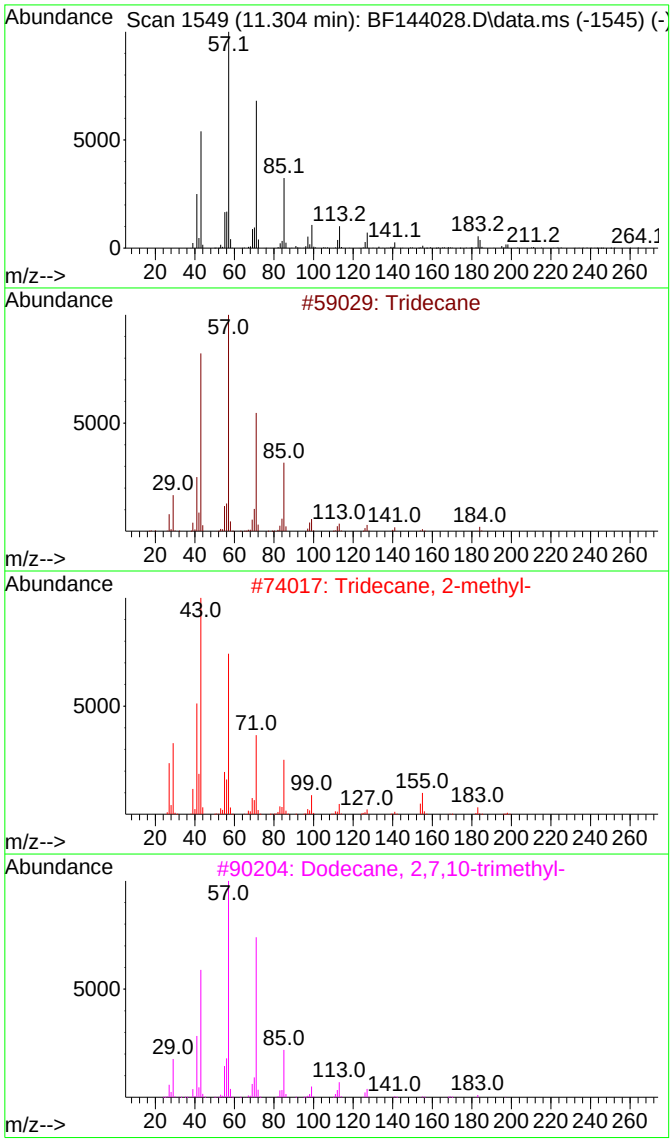
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

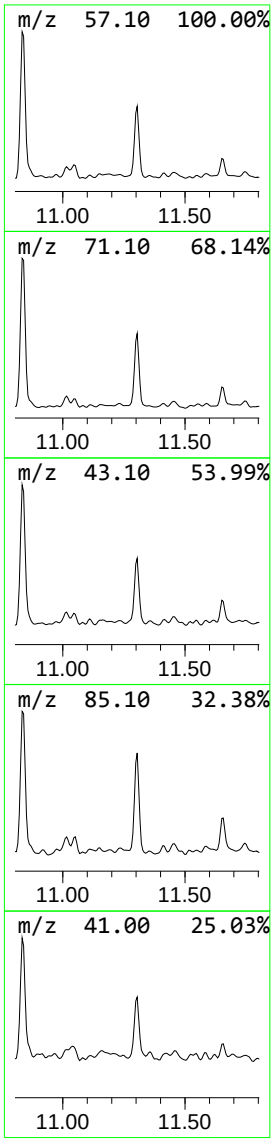
****

Peak Number 19 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	13.51 ng	526398	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Tridecane, 2-methyl-	198	C14H30	001560-96-9	86
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	72
5	Tetracosane	338	C24H50	000646-31-1	72





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On    : 21 Oct 2025  22:53
Operator  : RC/JU
Sample    : Q3376-01
Misc      :
ALS Vial  : 21   Sample Multiplier: 1

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
```

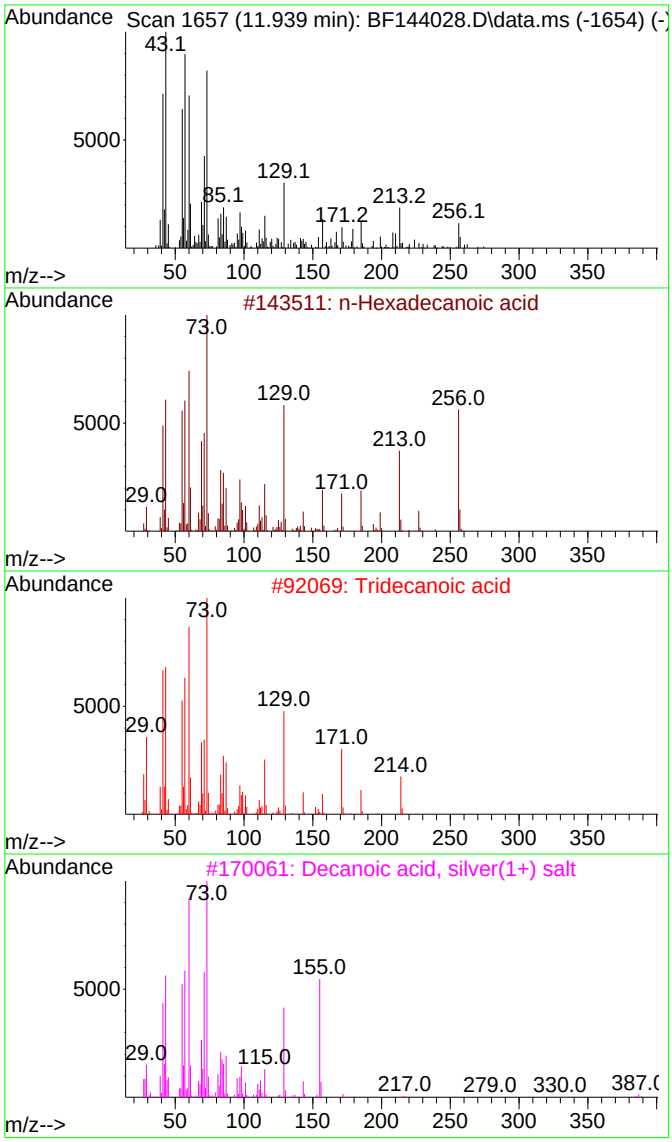
Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

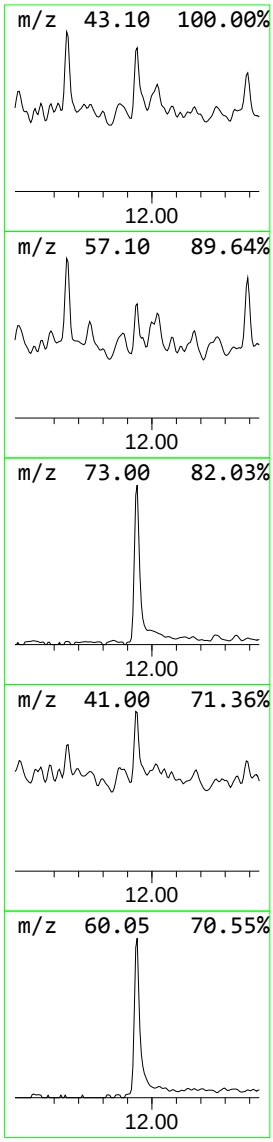
****

Peak Number 20 n-Hexadecanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	4.44 ng	172971	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	91
3	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	53
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	49
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144028.D
Acq On : 21 Oct 2025 22:53
Operator : RC/JU
Sample : Q3376-01
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S05-057082-20251016

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
Cyclohexane, pe...	7.781	4.0	ng	163610	2	8.163	817941	20.0
Undecane, 2,6-d...	8.216	6.1	ng	248660	2	8.163	817941	20.0
Octane, 2,3,7-t...	8.581	14.7	ng	601706	2	8.163	817941	20.0
Dodecane, 2,6,1...	9.181	10.7	ng	389938	3	9.922	728309	20.0
3-Methyl-4-(met...	10.569	16.4	ng	597625	3	9.922	728309	20.0
Benzophenone	10.634	6.7	ng	243703	3	9.922	728309	20.0
Tridecane, 5-pr...	10.833	25.6	ng	998446	4	11.410	779260	20.0
Tridecane	11.304	13.5	ng	526398	4	11.410	779260	20.0
n-Hexadecanoic ...	11.939	4.4	ng	172971	4	11.410	779260	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	610	U	1	290	610	ug/Kg	10/21/25 23:22	PB170180
108-95-2	Phenol	320	U	1	41.2	320	ug/Kg	10/21/25 23:22	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	45.3	320	ug/Kg	10/21/25 23:22	PB170180
95-57-8	2-Chlorophenol	320	U	1	45.5	320	ug/Kg	10/21/25 23:22	PB170180
95-48-7	2-Methylphenol	320	U	1	55.7	320	ug/Kg	10/21/25 23:22	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	69.9	320	ug/Kg	10/21/25 23:22	PB170180
98-86-2	Acetophenone	320	U	1	55.0	320	ug/Kg	10/21/25 23:22	PB170180
65794-96-9	3+4-Methylphenols	610	U	1	76.6	610	ug/Kg	10/21/25 23:22	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	88.3	150	ug/Kg	10/21/25 23:22	PB170180
67-72-1	Hexachloroethane	320	U	1	32.8	320	ug/Kg	10/21/25 23:22	PB170180
98-95-3	Nitrobenzene	320	U	1	34.1	320	ug/Kg	10/21/25 23:22	PB170180
78-59-1	Isophorone	320	U	1	61.1	320	ug/Kg	10/21/25 23:22	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/21/25 23:22	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/21/25 23:22	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	57.4	320	ug/Kg	10/21/25 23:22	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	52.7	320	ug/Kg	10/21/25 23:22	PB170180
91-20-3	Naphthalene	320	U	1	42.3	320	ug/Kg	10/21/25 23:22	PB170180
106-47-8	4-Chloroaniline	320	U	1	66.0	320	ug/Kg	10/21/25 23:22	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
105-60-2	Caprolactam	610	U	1	97.1	610	ug/Kg	10/21/25 23:22	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	53.5	320	ug/Kg	10/21/25 23:22	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	47.7	320	ug/Kg	10/21/25 23:22	PB170180
77-47-4	Hexachlorocyclopentadiene	610	U	1	220	610	ug/Kg	10/21/25 23:22	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	36.9	320	ug/Kg	10/21/25 23:22	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	54.2	320	ug/Kg	10/21/25 23:22	PB170180
92-52-4	1,1-Biphenyl	320	U	1	40.6	320	ug/Kg	10/21/25 23:22	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	41.9	320	ug/Kg	10/21/25 23:22	PB170180
88-74-4	2-Nitroaniline	320	U	1	89.6	320	ug/Kg	10/21/25 23:22	PB170180
131-11-3	Dimethylphthalate	320	U	1	50.5	320	ug/Kg	10/21/25 23:22	PB170180
208-96-8	Acenaphthylene	320	U	1	53.8	320	ug/Kg	10/21/25 23:22	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	62.6	320	ug/Kg	10/21/25 23:22	PB170180
99-09-2	3-Nitroaniline	320	U	1	85.7	320	ug/Kg	10/21/25 23:22	PB170180
83-32-9	Acenaphthene	320	U	1	39.7	320	ug/Kg	10/21/25 23:22	PB170180
51-28-5	2,4-Dinitrophenol	610	U	1	430	610	ug/Kg	10/21/25 23:22	PB170180
100-02-7	4-Nitrophenol	610	U	1	200	610	ug/Kg	10/21/25 23:22	PB170180
132-64-9	Dibenzofuran	320	U	1	42.3	320	ug/Kg	10/21/25 23:22	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	93.3	320	ug/Kg	10/21/25 23:22	PB170180
84-66-2	Diethylphthalate	320	U	1	52.7	320	ug/Kg	10/21/25 23:22	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	49.7	320	ug/Kg	10/21/25 23:22	PB170180
86-73-7	Fluorene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/21/25 23:22	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	610	U	1	190	610	ug/Kg	10/21/25 23:22	PB170180

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	61.3	320	ug/Kg	10/21/25 23:22	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	51.8	320	ug/Kg	10/21/25 23:22	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.1	320	ug/Kg	10/21/25 23:22	PB170180
1912-24-9	Atrazine	320	U	1	63.3	320	ug/Kg	10/21/25 23:22	PB170180
87-86-5	Pentachlorophenol	610	U	1	95.6	610	ug/Kg	10/21/25 23:22	PB170180
85-01-8	Phenanthrene	320	U	1	38.9	320	ug/Kg	10/21/25 23:22	PB170180
120-12-7	Anthracene	320	U	1	62.0	320	ug/Kg	10/21/25 23:22	PB170180
86-74-8	Carbazole	320	U	1	58.1	320	ug/Kg	10/21/25 23:22	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	89.2	320	ug/Kg	10/21/25 23:22	PB170180
206-44-0	Fluoranthene	210	J	1	55.9	320	ug/Kg	10/21/25 23:22	PB170180
129-00-0	Pyrene	160	J	1	67.1	320	ug/Kg	10/21/25 23:22	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	130	320	ug/Kg	10/21/25 23:22	PB170180
91-94-1	3,3-Dichlorobenzidine	610	U	1	68.4	610	ug/Kg	10/21/25 23:22	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	42.9	320	ug/Kg	10/21/25 23:22	PB170180
218-01-9	Chrysene	320	U	1	37.1	320	ug/Kg	10/21/25 23:22	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/21/25 23:22	PB170180
117-84-0	Di-n-octyl phthalate	610	U	1	160	610	ug/Kg	10/21/25 23:22	PB170180
205-99-2	Benzo(b)fluoranthene	130	J	1	35.4	320	ug/Kg	10/21/25 23:22	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	41.7	320	ug/Kg	10/21/25 23:22	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.0	320	ug/Kg	10/21/25 23:22	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	54.2	320	ug/Kg	10/21/25 23:22	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.1	320	ug/Kg	10/21/25 23:22	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	47.9	320	ug/Kg	10/21/25 23:22	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	47.7	320	ug/Kg	10/21/25 23:22	PB170180
123-91-1	1,4-Dioxane	320	U	1	84.2	320	ug/Kg	10/21/25 23:22	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.1	320	ug/Kg	10/21/25 23:22	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	89.0			18 - 112	59%	SPK: 150		
13127-88-3	Phenol-d6	86.3			15 - 107	58%	SPK: 150		
4165-60-0	Nitrobenzene-d5	60.5			18 - 107	61%	SPK: 100		
321-60-8	2-Fluorobiphenyl	55.2			20 - 109	55%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	73.9			10 - 116	49%	SPK: 150		
1718-51-0	Terphenyl-d14	38.6			10 - 105	39%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	103000							
1146-65-2	Naphthalene-d8	370000							
15067-26-2	Acenaphthene-d10	183000							
1517-22-2	Phenanthrene-d10	277000							
1719-03-5	Chrysene-d12	262000							
1520-96-3	Perylene-d12	302000							
TENTATIVE IDENTIFIED COMPOUNDS									
004292-92-6	Cyclohexane, pentyl-	230	J			7.78	ug/Kg		
031295-56-4	Dodecane, 2,6,11-trimethyl-	530	J			9.18	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-DP01-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-02	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	53.6
Sample Wt/Vol:	30.04 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000119-61-9	Benzophenone	430	J			10.6	ug/Kg		
055045-11-9	Tridecane, 5-propyl-	1300	J			10.8	ug/Kg		
000629-50-5	Tridecane	680	J			11.3	ug/Kg		
000638-53-9	Tridecanoic acid	310	J			11.9	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\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

Quant Time: Oct 22 11:13:59 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	102606	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	370185	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	182853	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	276992	20.000	ng	0.00
76) Chrysene-d12	14.063	240	261924	20.000	ng	0.00
86) Perylene-d12	15.545	264	301622	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	575295	89.036	ng	0.00
7) Phenol-d6	6.504	99	664885	86.330	ng	-0.01
23) Nitrobenzene-d5	7.440	82	368882	60.541	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	134570	73.889	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	636031	55.193	ng	-0.01
79) Terphenyl-d14	12.998	244	591870	38.620	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.633	202	47766	3.444	ng	96
78) Pyrene	12.857	202	57672m	2.641	ng	
88) Benzo(b)fluoranthene	15.110	252	34880m	2.013	ng	

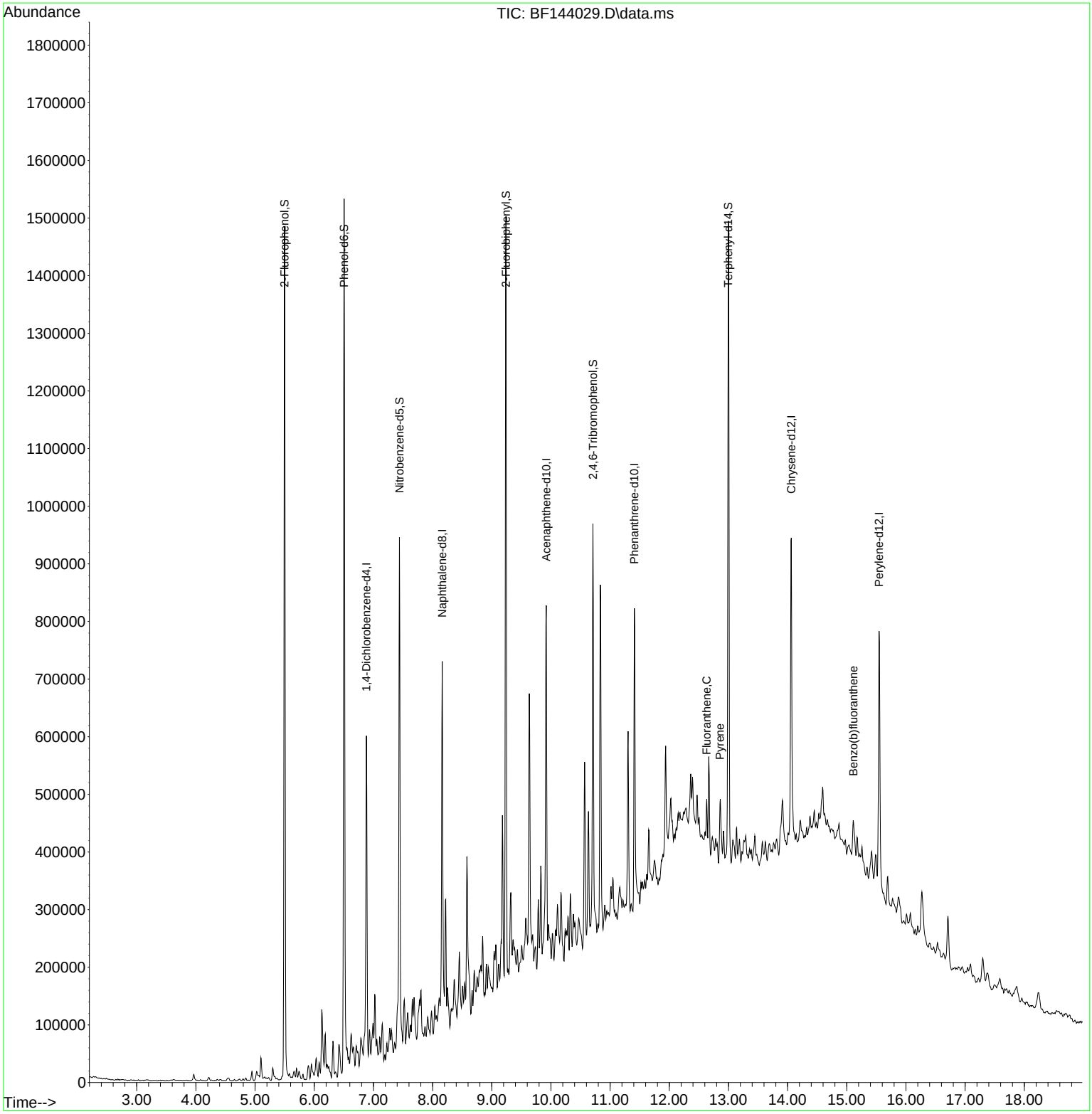
(#) = qualifier out of range (m) = manual integration (+) = signals summed

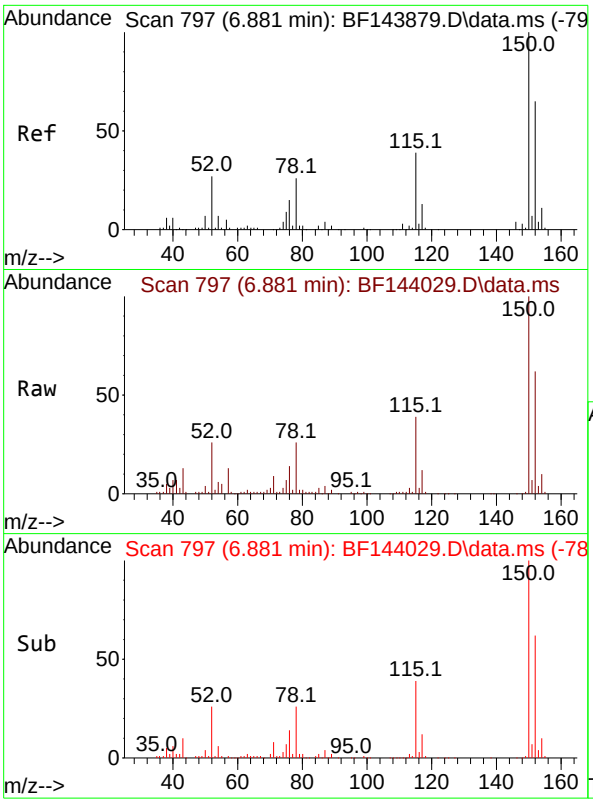
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Oct 22 11:13:59 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-DP01-20251016

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

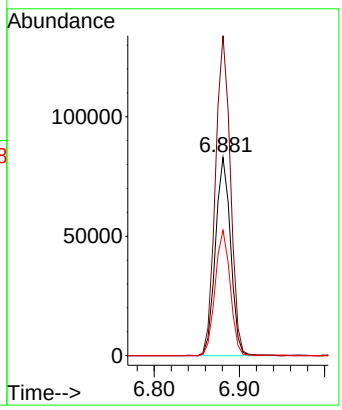




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:152 Resp: 10260

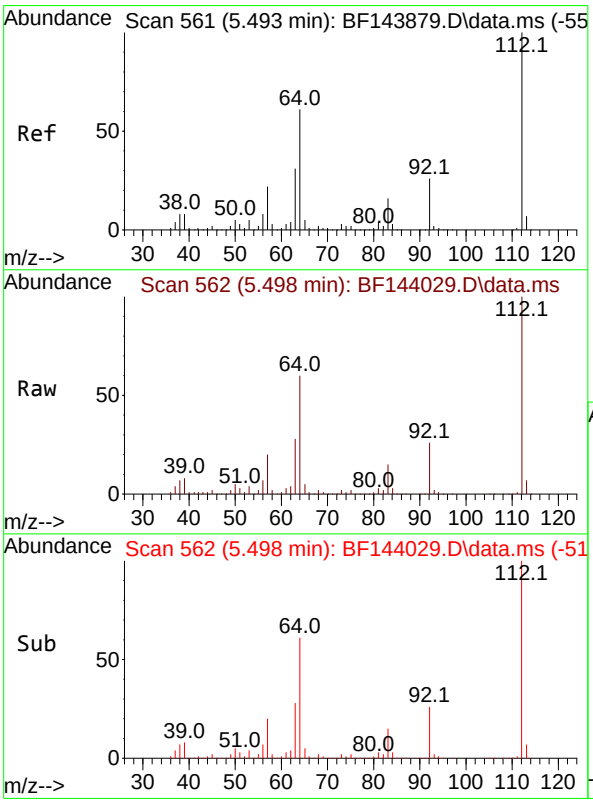
Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.4	186.6
115	63.3	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations
APPROVED

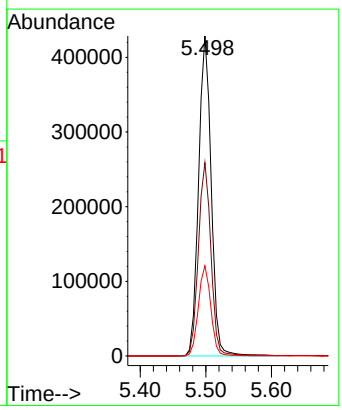
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

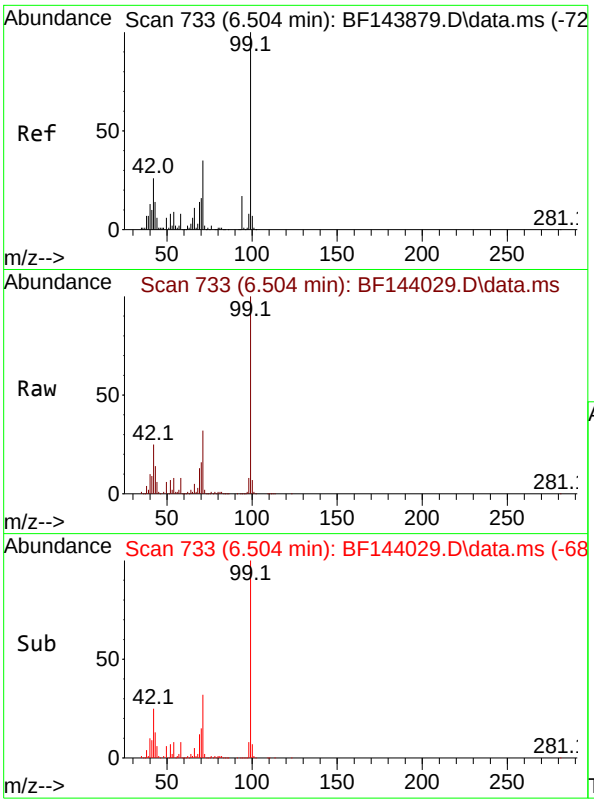


#5
2-Fluorophenol
Concen: 89.036 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:112 Resp: 575295

Ion	Ratio	Lower	Upper
112	100		
64	60.4	49.1	73.7
63	28.2	24.5	36.7

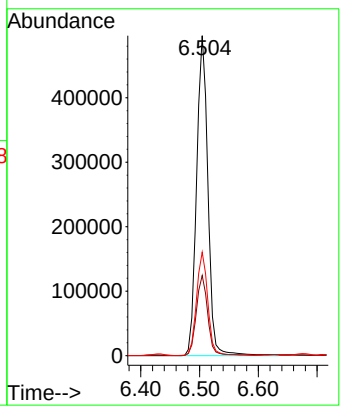




#7
Phenol-d6
Concen: 86.330 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion: 99 Resp: 66488

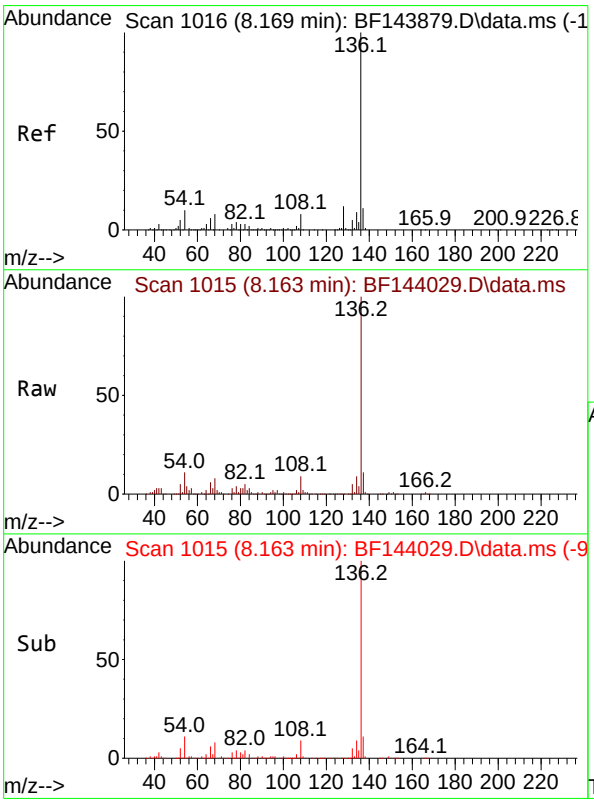
Ion	Ratio	Lower	Upper
99	100		
42	25.0	21.0	31.4
71	32.3	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations APPROVED

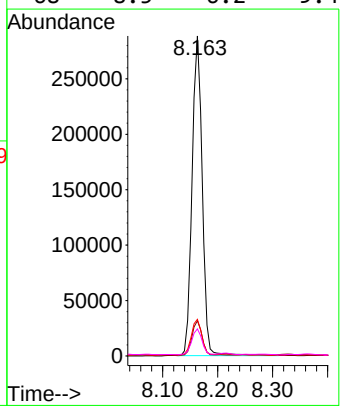
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

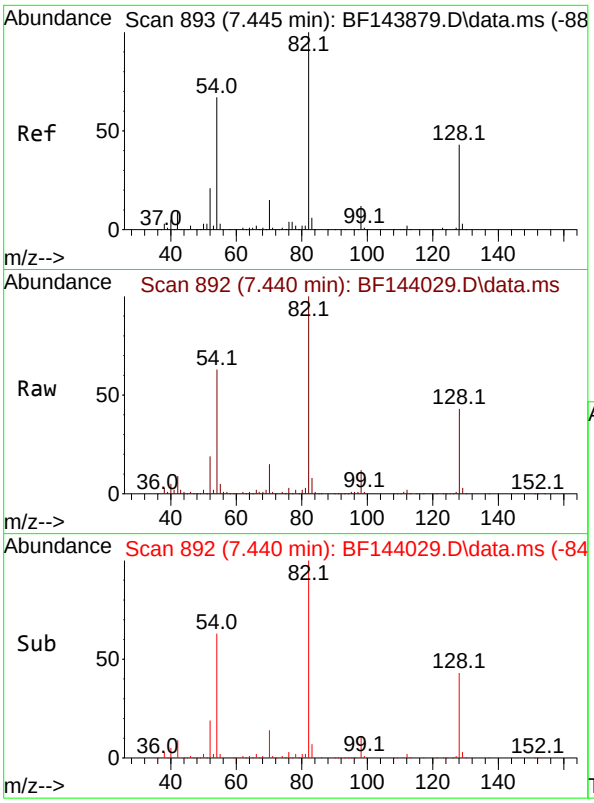


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:136 Resp: 370185

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.4	8.2	12.4
68	8.5	6.2	9.4

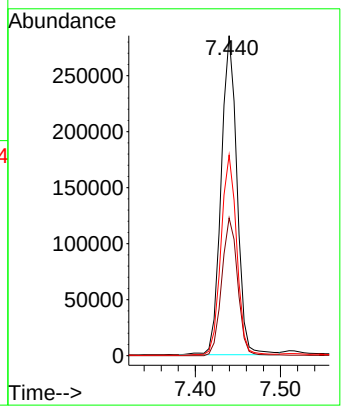




#23
Nitrobenzene-d5
Concen: 60.541 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion: 82 Resp: 36888

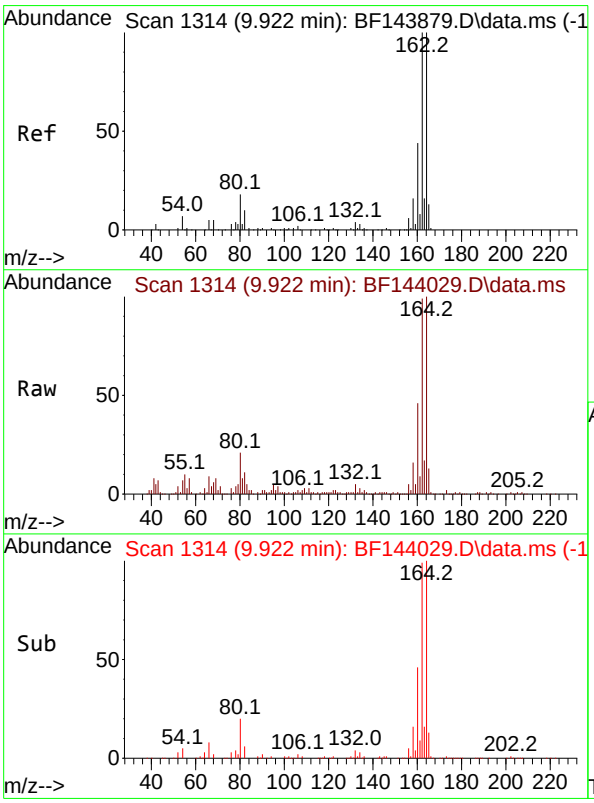
Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.0	51.0
54	62.7	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations
APPROVED

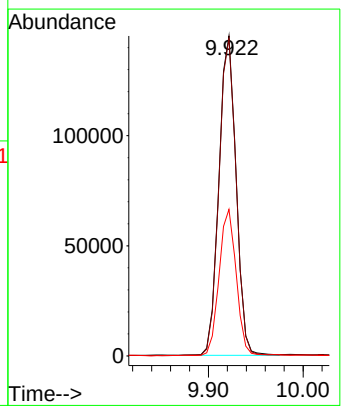
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

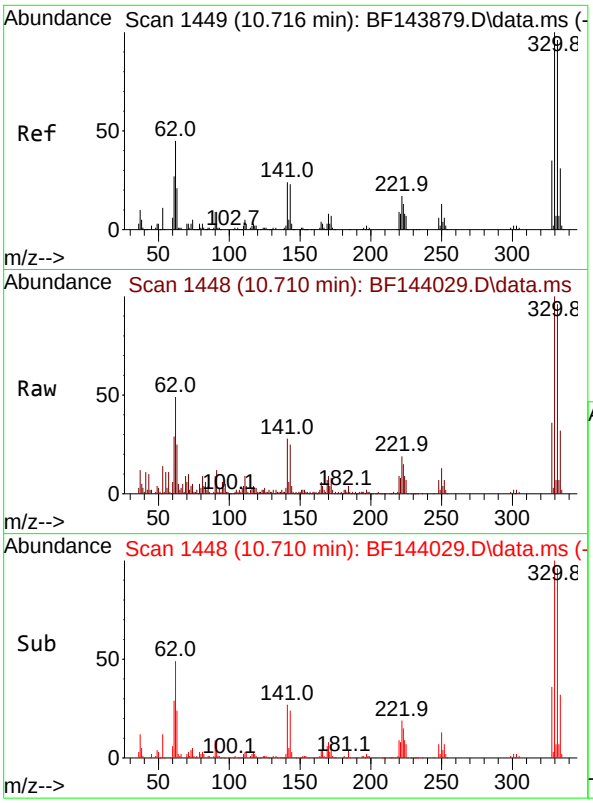


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:164 Resp: 182853

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.2
160	45.8	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 73.889 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

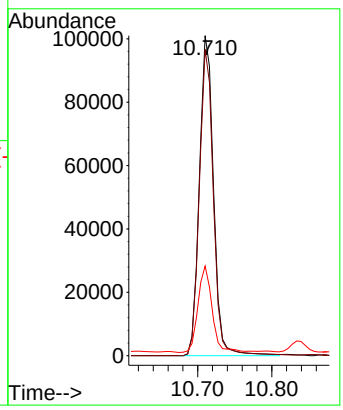
Tgt Ion:330 Resp: 13457

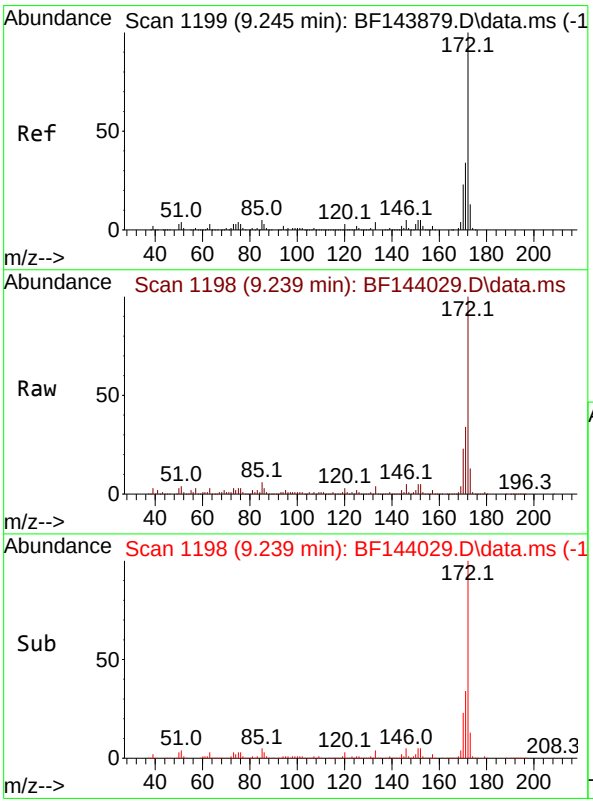
Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.9	115.3
141	27.0	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

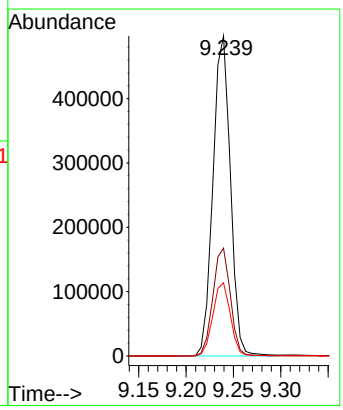


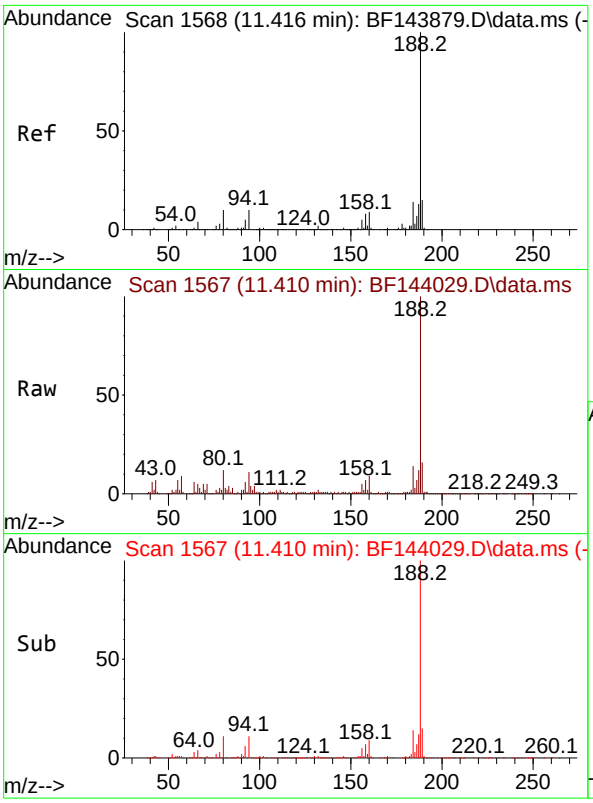


#45
2-Fluorobiphenyl
Concen: 55.193 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:172 Resp: 636031

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.4	41.0
170	22.9	18.6	28.0

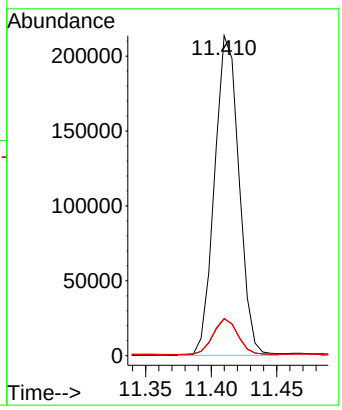




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:188 Resp: 27699

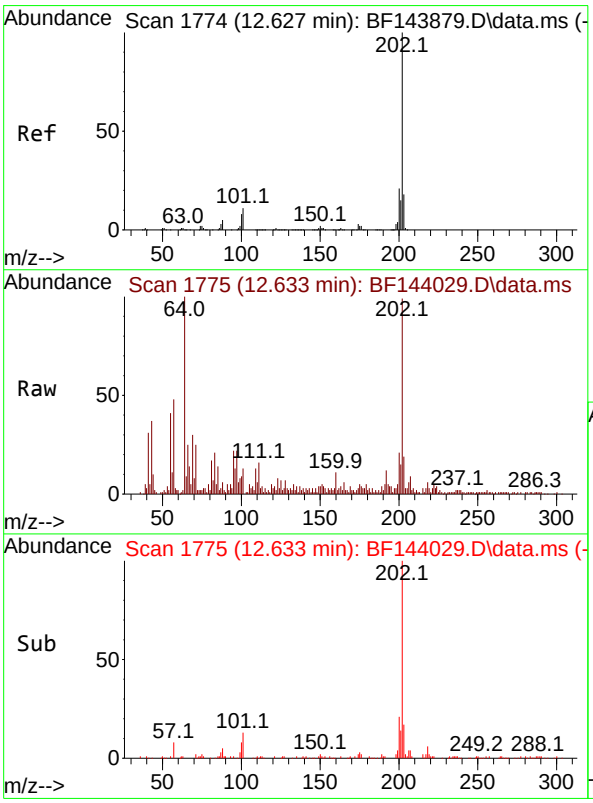
Ion	Ratio	Lower	Upper
188	100		
94	11.5	7.8	11.6
80	11.6	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations
APPROVED

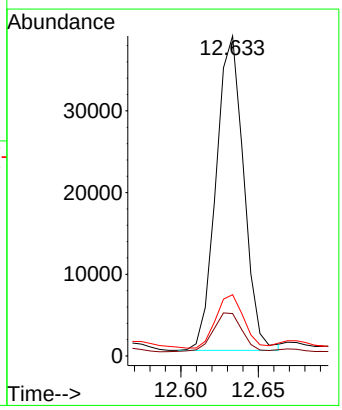
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

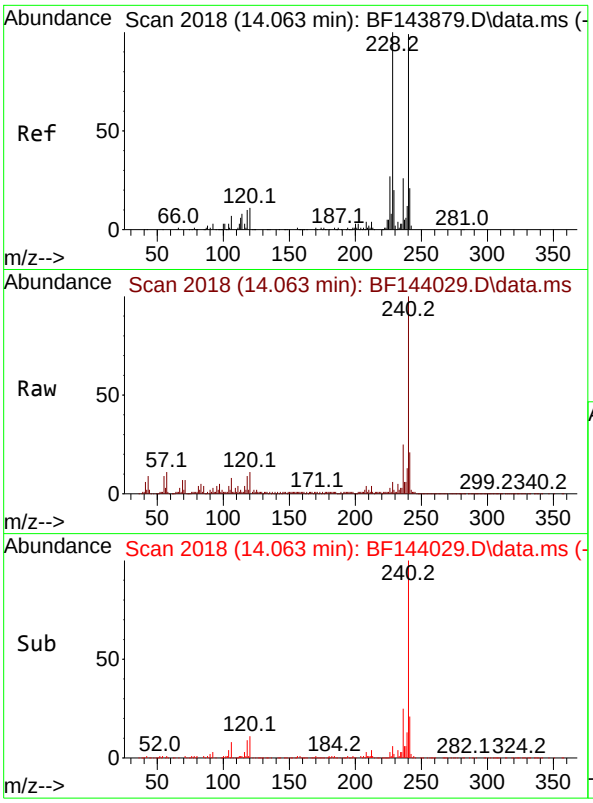


#75
Fluoranthene
Concen: 3.444 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:202 Resp: 47766

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	30.7
203	19.2	0.0	37.8

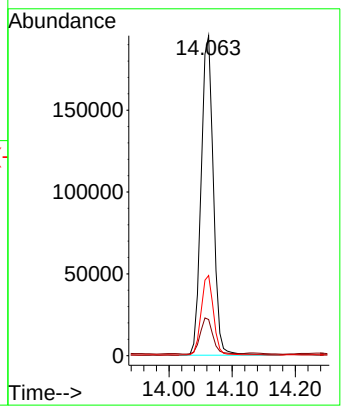




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.005 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:240 Resp: 26192

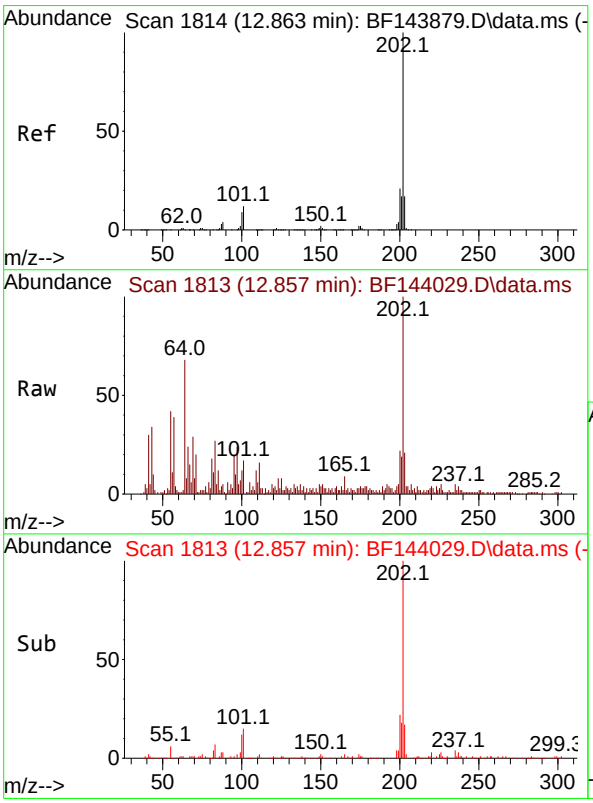
Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	13.0
236	25.1	21.1	31.7



Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations APPROVED

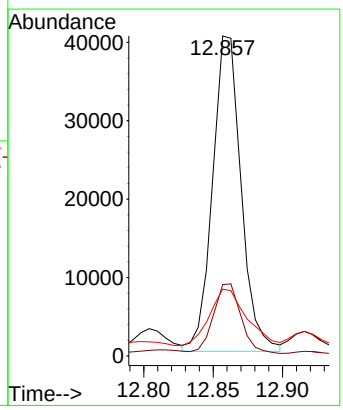
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

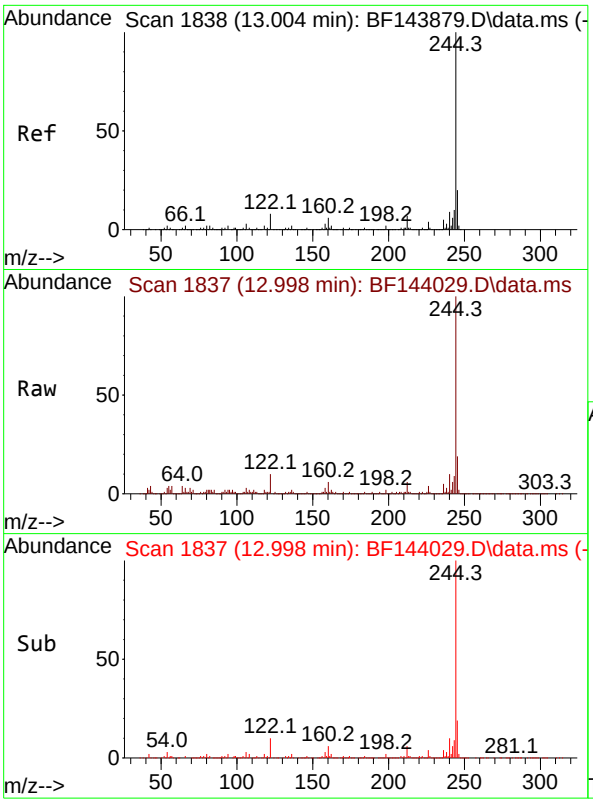


#78
Pyrene
Concen: 2.641 ng m
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:202 Resp: 57672

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.0	25.6
203	20.9	13.8	20.6#

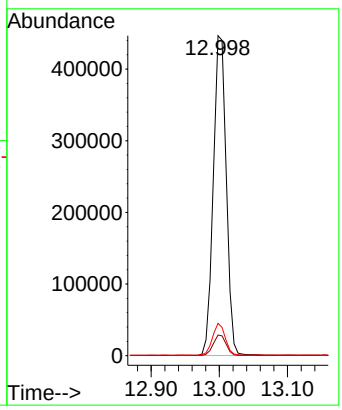




#79
Terphenyl-d14
Concen: 38.620 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:244 Resp: 59187

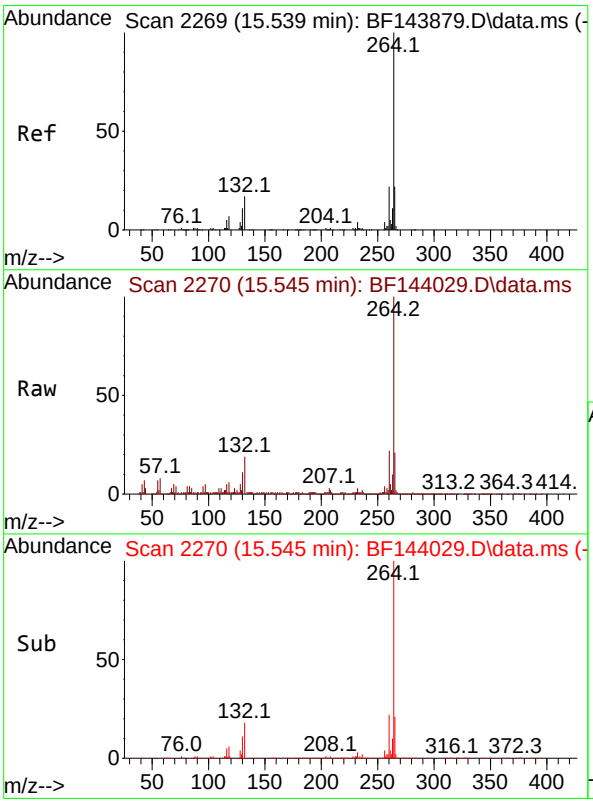
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	10.1	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations
APPROVED

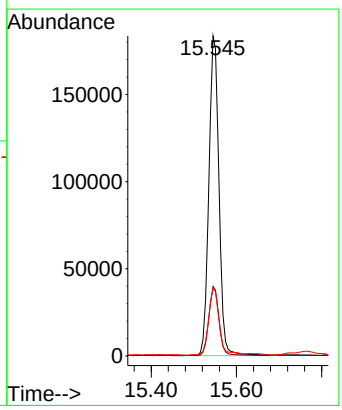
Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

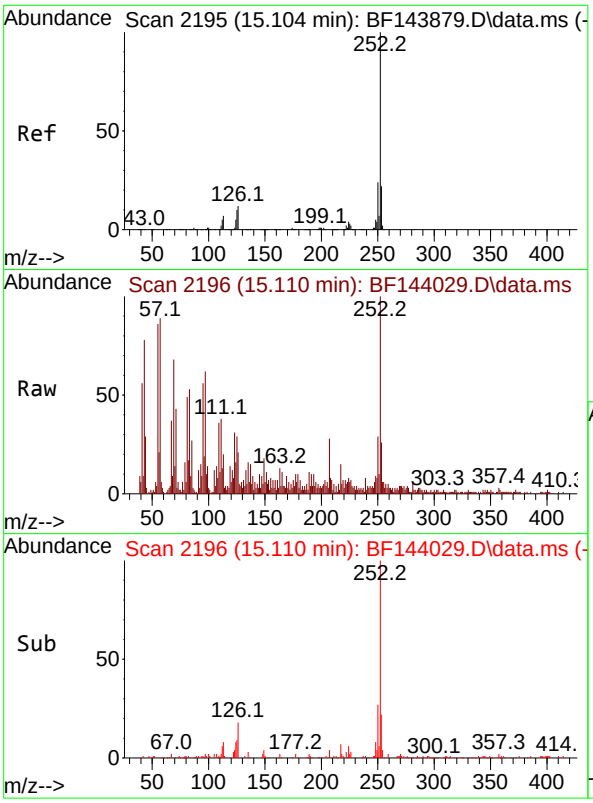


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:264 Resp: 301622

Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.8	26.8
265	21.3	17.5	26.3

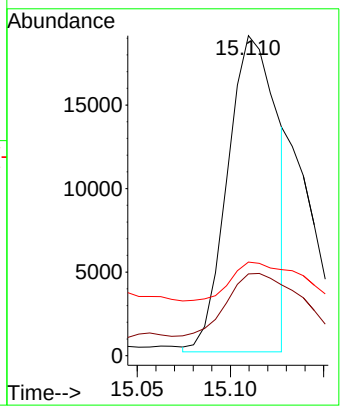




#88
Benzo(b)fluoranthene
Concen: 2.013 ng m
RT: 15.110 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144029.D
Acq: 21 Oct 2025 23:22

Tgt Ion:252 Resp: 3488

Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.4	26.2
125	29.3	7.8	11.6#



Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/22/2025
Supervised By :Jagrut Upadhyay 10/22/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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: BF144029.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.963	291	301	308	rBV	10926	20764	1.00%	0.088%
2	4.946	461	468	474	rVB2	15897	24663	1.19%	0.104%
3	5.028	474	482	486	rBV3	15932	34087	1.64%	0.144%
4	5.099	490	494	500	rVB	35846	52081	2.51%	0.220%
5	5.299	523	528	533	rBV2	21815	39201	1.89%	0.166%
6	5.498	556	562	573	rBV	1474129	1948200	93.98%	8.241%
7	5.698	593	596	600	rVV	17011	20915	1.01%	0.088%
8	5.746	600	604	610	rVB5	12866	23108	1.11%	0.098%
9	5.898	624	630	635	rBV4	24123	46788	2.26%	0.198%
10	5.951	635	639	647	rBV3	24403	53358	2.57%	0.226%
11	6.034	647	653	658	rVB2	31735	55404	2.67%	0.234%
12	6.081	658	661	665	rBV2	24472	34412	1.66%	0.146%
13	6.128	665	669	675	rBV2	109829	183825	8.87%	0.778%
14	6.187	675	679	682	rVB	57764	71471	3.45%	0.302%
15	6.316	696	701	706	rBV2	63578	100189	4.83%	0.424%
16	6.416	713	718	726	rBV3	56525	127417	6.15%	0.539%
17	6.504	727	733	740	rBV	1516534	2073104	100.00%	8.769%
18	6.622	748	753	757	rBV5	51677	93897	4.53%	0.397%
19	6.657	757	759	764	rVB3	32231	47404	2.29%	0.201%
20	6.710	764	768	771	rBV2	34253	56450	2.72%	0.239%
21	6.787	776	781	788	rBV4	48853	126273	6.09%	0.534%
22	6.881	788	797	802	rVV2	566537	862166	41.59%	3.647%
23	6.934	802	806	810	rVV2	56172	89159	4.30%	0.377%
24	6.993	810	816	818	rVV4	66905	132253	6.38%	0.559%
25	7.022	818	821	825	rVV	117033	177211	8.55%	0.750%
26	7.057	825	827	830	rVV	38803	47105	2.27%	0.199%
27	7.104	832	835	838	rVV2	41589	58596	2.83%	0.248%
28	7.151	838	843	847	rVB3	65000	105592	5.09%	0.447%
29	7.228	852	856	859	rBV	28794	40871	1.97%	0.173%
30	7.275	860	864	867	rBV3	38106	53416	2.58%	0.226%
31	7.304	867	869	875	rVB3	38714	51412	2.48%	0.217%
32	7.357	875	878	881	rBV3	16791	22620	1.09%	0.096%
33	7.440	881	892	901	rBV	886751	1374593	66.31%	5.815%
34	7.522	901	906	910	rVB4	76717	125756	6.07%	0.532%
35	7.581	910	916	920	rBV2	54172	107278	5.17%	0.454%
36	7.657	926	929	931	rBV2	57183	65316	3.15%	0.276%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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	7.687	931	934	941	rVB3	72573	122454	5.91%	0.518%
38	7.781	942	950	951	rBV3	67748	139504	6.73%	0.590%
39	7.804	951	954	958	rVB2	74338	93303	4.50%	0.395%
40	7.916	969	973	980	rBV6	33302	65178	3.14%	0.276%
41	7.981	980	984	989	rBV4	40601	58642	2.83%	0.248%
42	8.040	990	994	996	rBV2	46170	65806	3.17%	0.278%
43	8.163	1010	1015	1021	rBV	587909	769146	37.10%	3.253%
44	8.222	1021	1025	1028	rVB	185487	223374	10.77%	0.945%
45	8.251	1028	1030	1037	rVB4	69671	118364	5.71%	0.501%
46	8.316	1037	1041	1043	rBV3	32903	52113	2.51%	0.220%
47	8.369	1046	1050	1057	rVB4	65570	122294	5.90%	0.517%
48	8.451	1060	1064	1070	rVB4	97380	150712	7.27%	0.638%
49	8.504	1071	1073	1076	rBV3	34158	38717	1.87%	0.164%
50	8.545	1077	1080	1082	rBV4	31395	33877	1.63%	0.143%
51	8.581	1082	1086	1097	rVB	273306	516046	24.89%	2.183%
52	8.669	1098	1101	1103	rBV2	39276	43607	2.10%	0.184%
53	8.704	1103	1107	1112	rBV3	61923	108658	5.24%	0.460%
54	8.845	1128	1131	1135	rVB	102203	131869	6.36%	0.558%
55	8.910	1139	1142	1144	rBV3	50884	54013	2.61%	0.228%
56	8.939	1145	1147	1157	rVB8	37507	66434	3.20%	0.281%
57	9.039	1160	1164	1166	rBV3	71256	103155	4.98%	0.436%
58	9.157	1181	1184	1185	rBV2	62845	68648	3.31%	0.290%
59	9.181	1185	1188	1193	rVB	278404	332653	16.05%	1.407%
60	9.239	1193	1198	1203	rBV	1318255	1691199	81.58%	7.154%
61	9.322	1207	1212	1216	rBV3	142259	241244	11.64%	1.020%
62	9.634	1260	1265	1272	rBV2	434150	654336	31.56%	2.768%
63	9.786	1287	1291	1294	rBV4	120458	166798	8.05%	0.706%
64	9.828	1295	1298	1302	rVB	156424	204592	9.87%	0.865%
65	9.922	1309	1314	1318	rVB	581605	774286	37.35%	3.275%
66	10.169	1353	1356	1365	rVB3	119146	221260	10.67%	0.936%
67	10.239	1365	1368	1370	rBV2	56352	75395	3.64%	0.319%
68	10.328	1380	1383	1388	rBV3	98584	140972	6.80%	0.596%
69	10.569	1419	1424	1429	rBV	320100	477818	23.05%	2.021%
70	10.633	1431	1435	1439	rVV	204232	265197	12.79%	1.122%
71	10.710	1444	1448	1459	rVB	710926	1013464	48.89%	4.287%
72	10.833	1465	1469	1477	rVB	598466	849444	40.97%	3.593%
73	11.304	1545	1549	1555	rVB	311760	445844	21.51%	1.886%
74	11.410	1563	1567	1578	rBV	525860	820282	39.57%	3.470%
75	11.939	1654	1657	1664	rVB	160425	202676	9.78%	0.857%
76	12.669	1778	1781	1786	rVB	170216	212699	10.26%	0.900%

Sample Results: **BF144029.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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	12.998	1833	1837	1845	rVB	1113660	1523834	73.50%	6.446%
78	14.063	2013	2018	2029	rVB	523202	840225	40.53%	3.554%
79	15.545	2266	2270	2282	rVB	455254	794103	38.31%	3.359%

Sum of corrected areas: 23640590

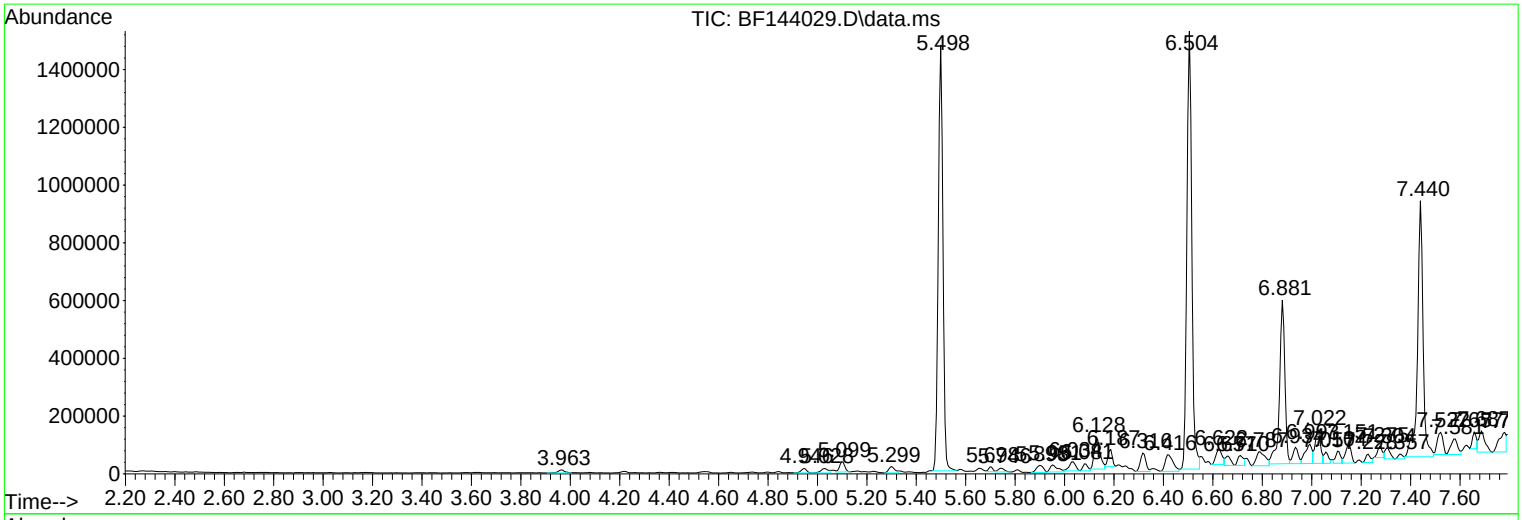
Sample Results: **BF144029.D**

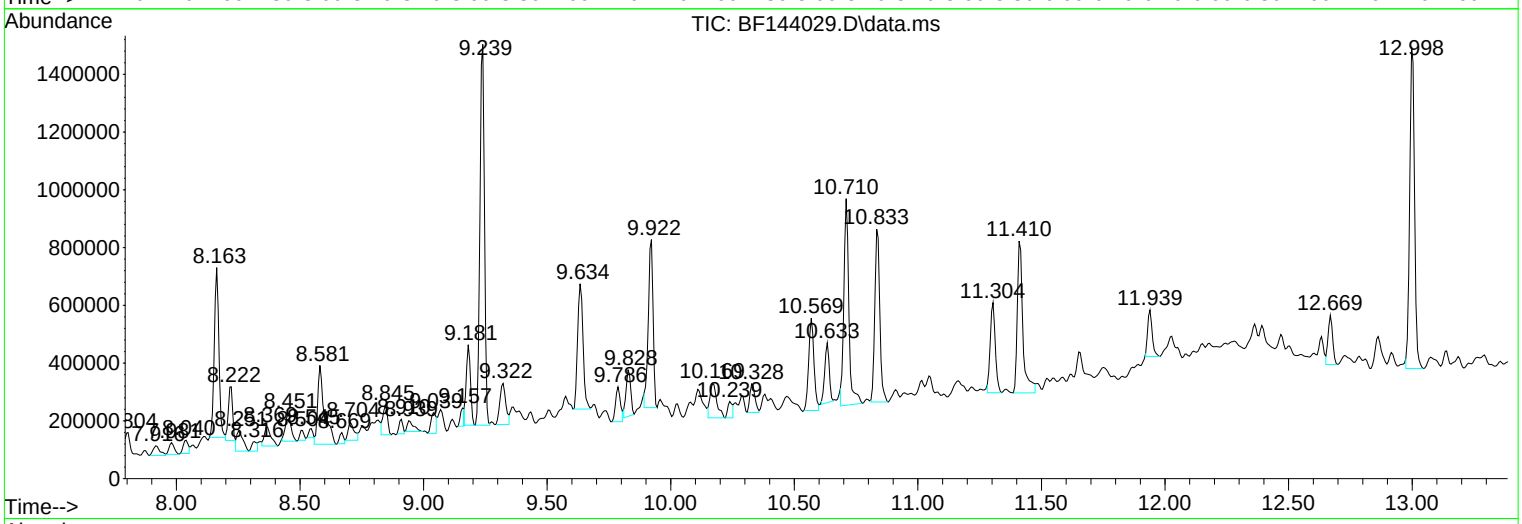
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

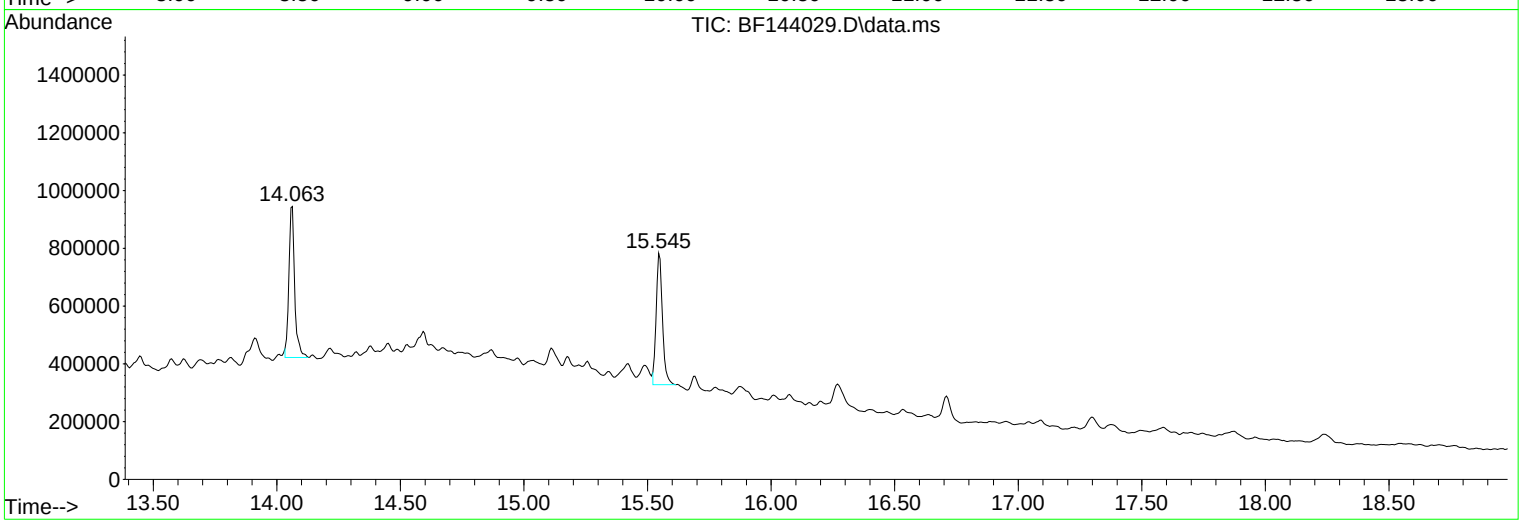
Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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

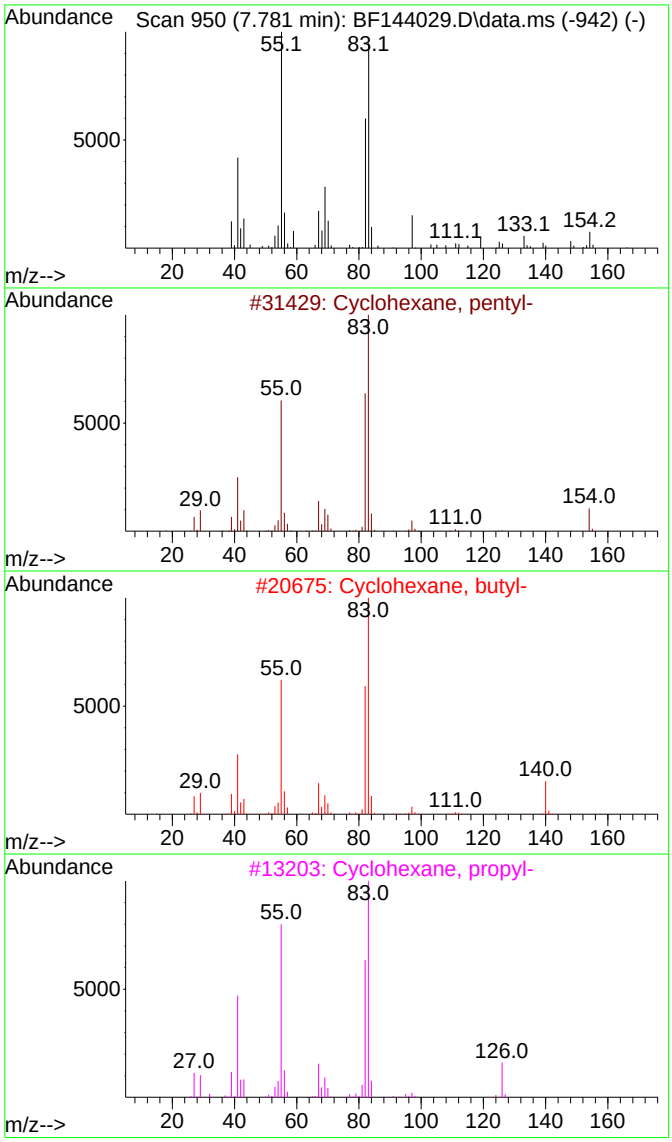
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

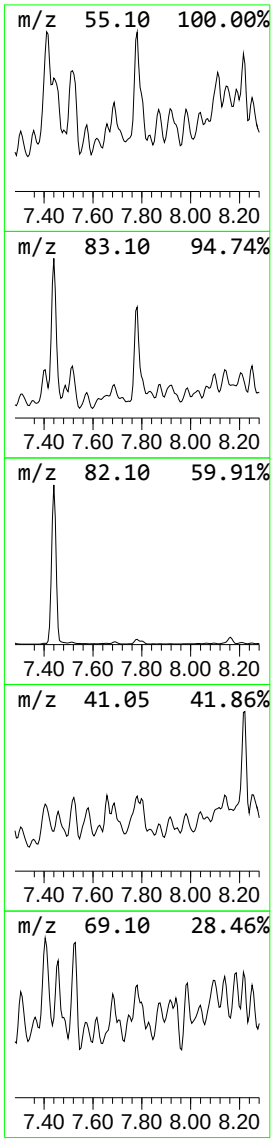
****

Peak Number 4 Cyclohexane, pentyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.781	3.63 ng	139504	Naphthalene-d8	8.163

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	87
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64
5	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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

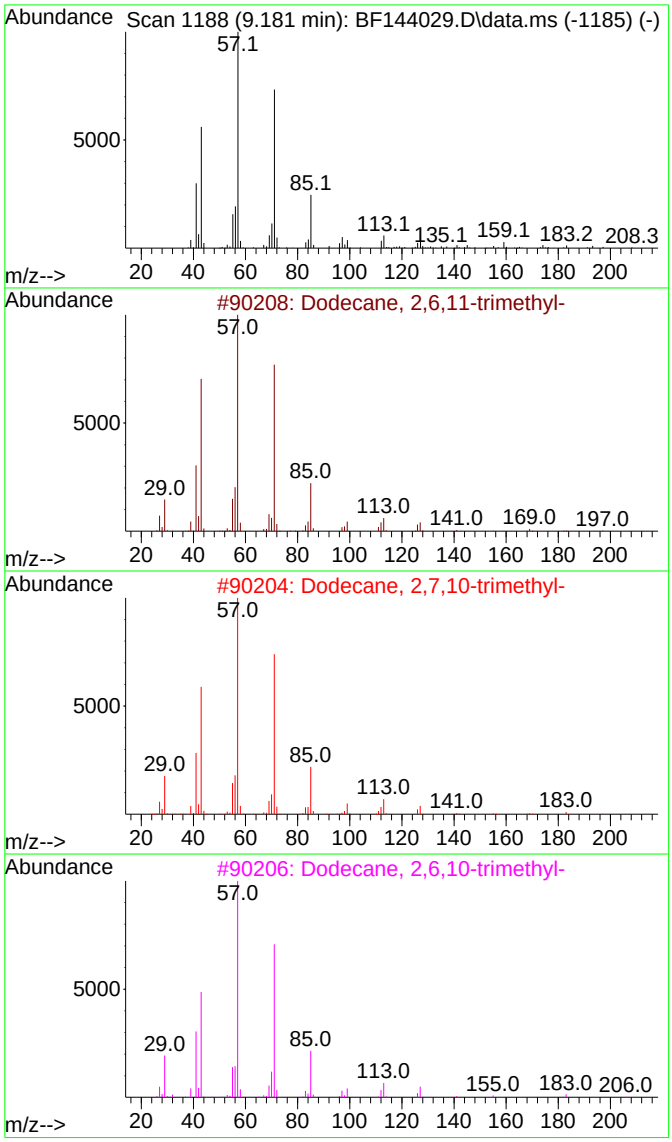
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

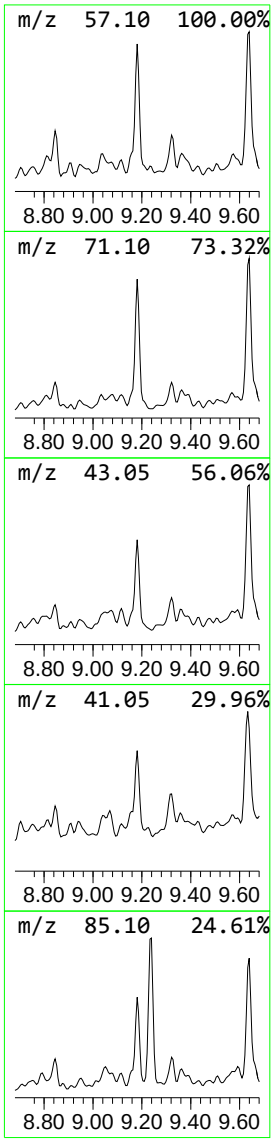
****

Peak Number 9 Dodecane, 2,6,11-trimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.181	8.59 ng	332653	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
2	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	86
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78
5	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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

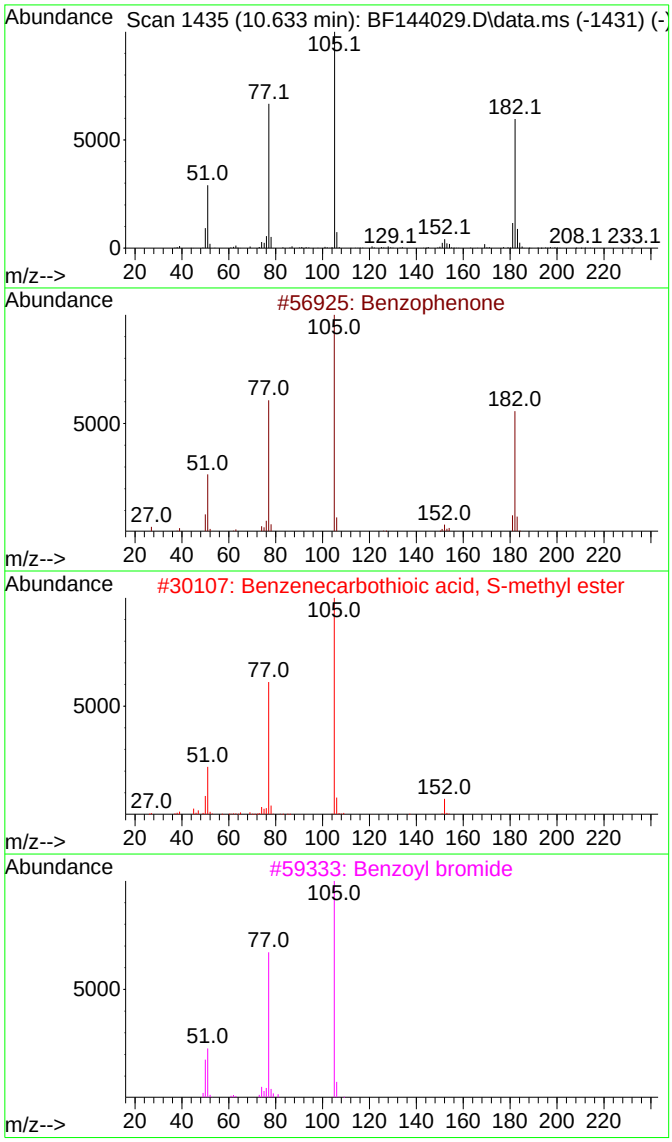
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

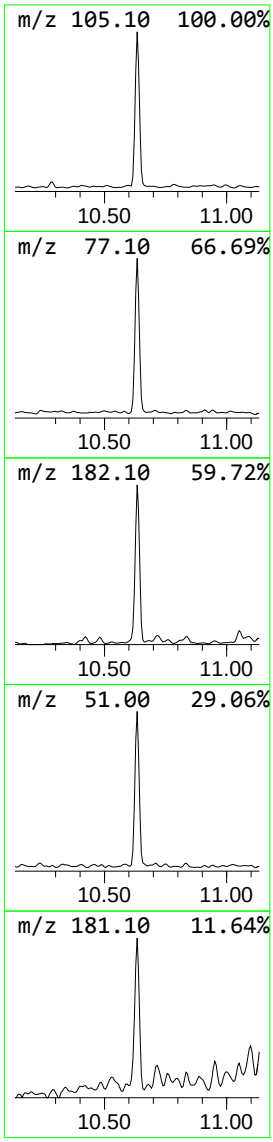
****

Peak Number 17 Benzophenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	6.85 ng	265197	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3	Benzoyl bromide	184	C7H5BrO	000618-32-6	47
4	Methyl 2-benzoyl-4-cyanobutanoate	231	C13H13NO3	1010486-83-8	47
5	Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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

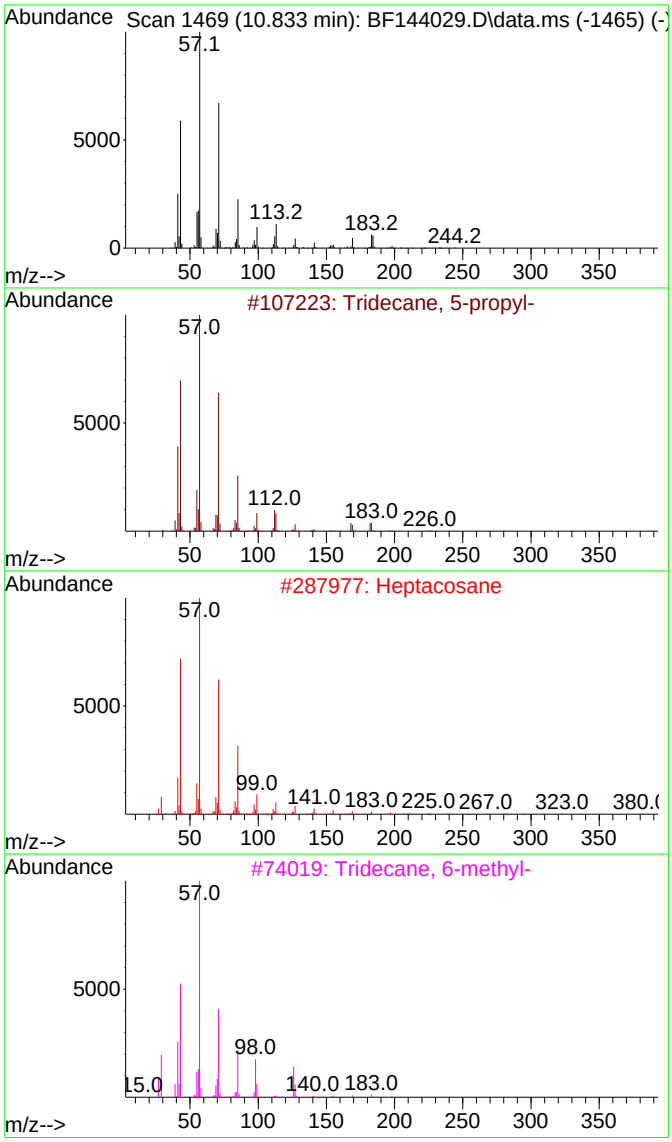
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

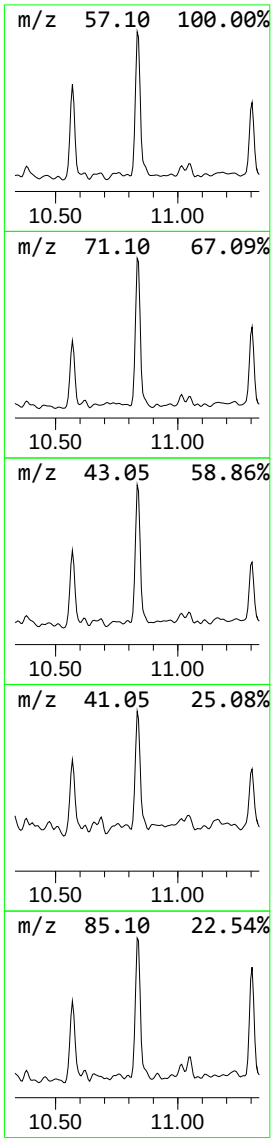
****

Peak Number 18 Tridecane, 5-propyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.834	20.71 ng	849444	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	86
2	Heptacosane	380	C27H56	000593-49-7	72
3	Tridecane, 6-methyl-	198	C14H30	013287-21-3	70
4	Decane, 2-methyl-	156	C11H24	006975-98-0	68
5	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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

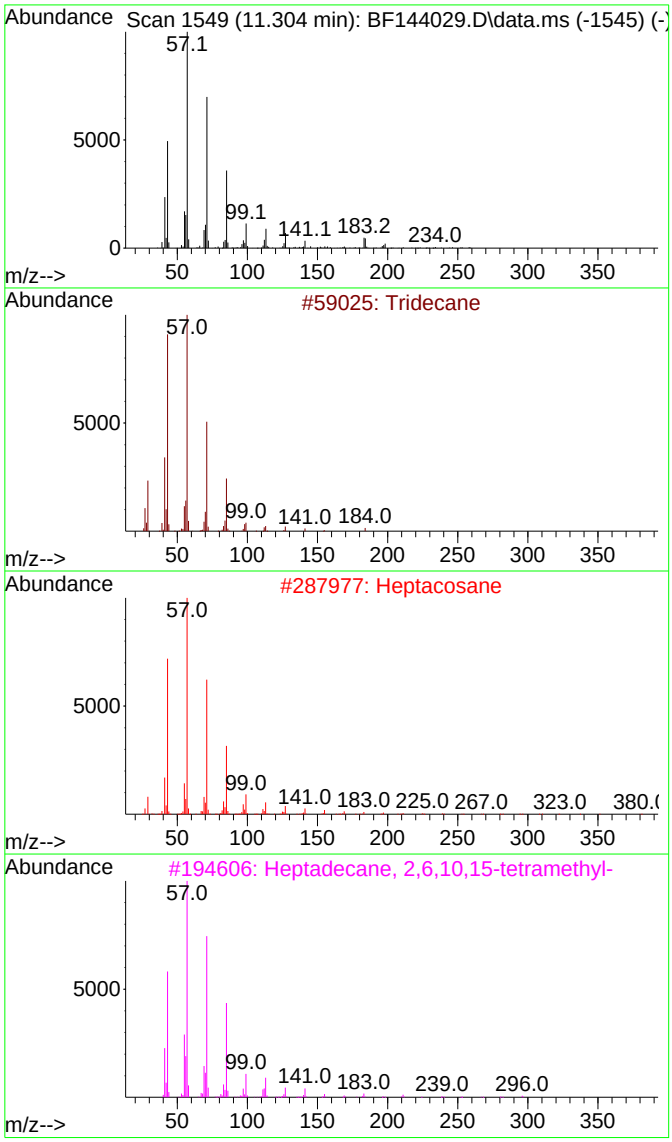
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

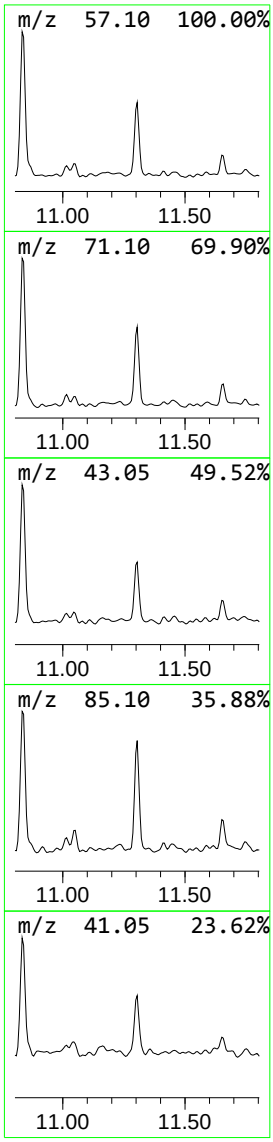
****

Peak Number 19 Tridecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	10.87 ng	445844	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptacosane	380	C27H56	000593-49-7	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80
5	2-Bromo dodecane	248	C12H25Br	013187-99-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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

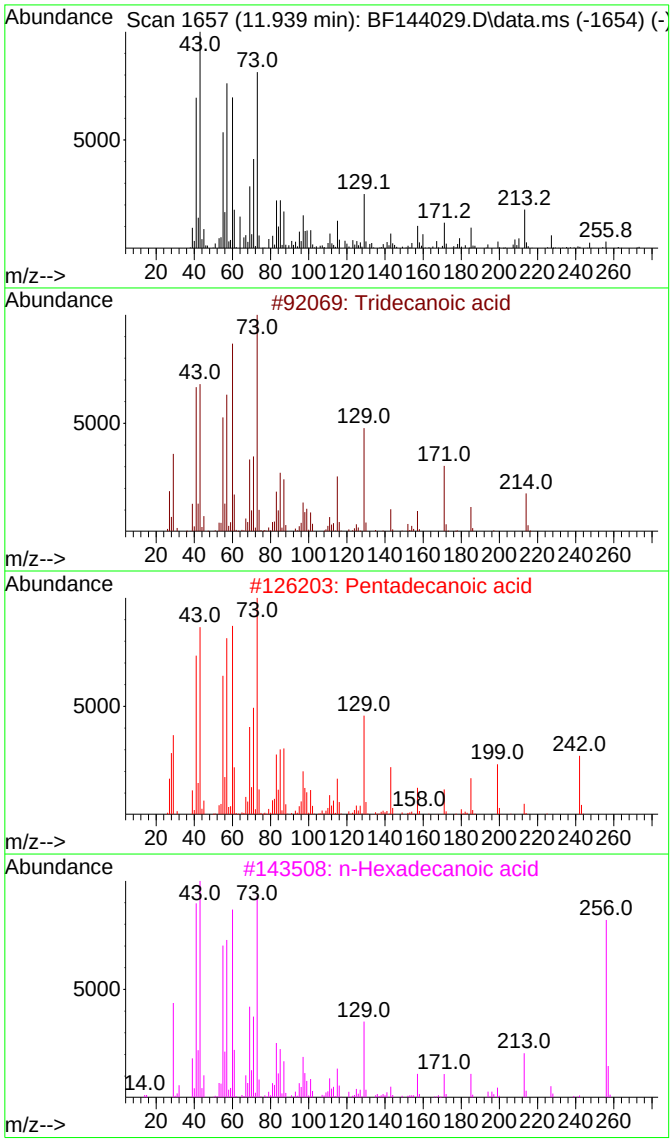
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

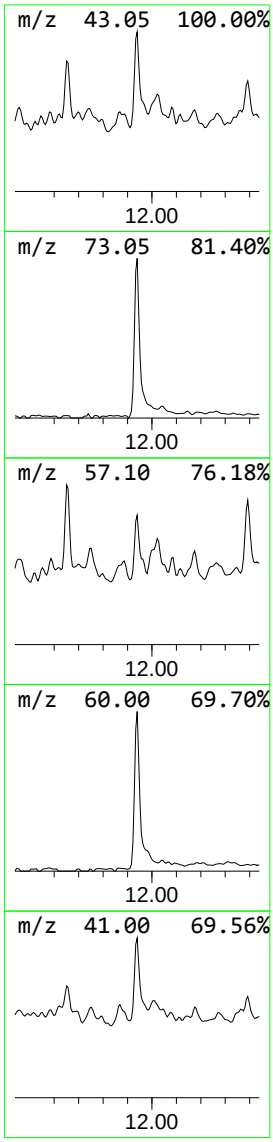
****

Peak Number 20 Tridecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	4.94 ng	202676	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144029.D
Acq On : 21 Oct 2025 23:22
Operator : RC/JU
Sample : Q3376-02
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-DP01-20251016

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
Cyclohexane, pe...	7.781	3.6	ng	139504	2	8.163	769146	20.0
Dodecane, 2,6,1...	9.181	8.6	ng	332653	3	9.922	774286	20.0
Benzophenone	10.634	6.8	ng	265197	3	9.922	774286	20.0
Tridecane, 5-pr...	10.834	20.7	ng	849444	4	11.410	820282	20.0
Tridecane	11.304	10.9	ng	445844	4	11.410	820282	20.0
Tridecanoic acid	11.939	4.9	ng	202676	4	11.410	820282	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	620	U	1	300	620	ug/Kg	10/22/25 13:53	PB170180
108-95-2	Phenol	320	U	1	41.8	320	ug/Kg	10/22/25 13:53	PB170180
111-44-4	bis(2-Chloroethyl)ether	320	U	1	46.0	320	ug/Kg	10/22/25 13:53	PB170180
95-57-8	2-Chlorophenol	320	U	1	46.2	320	ug/Kg	10/22/25 13:53	PB170180
95-48-7	2-Methylphenol	320	U	1	56.6	320	ug/Kg	10/22/25 13:53	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	320	U	1	71.0	320	ug/Kg	10/22/25 13:53	PB170180
98-86-2	Acetophenone	320	U	1	55.8	320	ug/Kg	10/22/25 13:53	PB170180
65794-96-9	3+4-Methylphenols	620	U	1	77.8	620	ug/Kg	10/22/25 13:53	PB170180
621-64-7	n-Nitroso-di-n-propylamine	150	U	1	89.7	150	ug/Kg	10/22/25 13:53	PB170180
67-72-1	Hexachloroethane	320	U	1	33.3	320	ug/Kg	10/22/25 13:53	PB170180
98-95-3	Nitrobenzene	320	U	1	34.6	320	ug/Kg	10/22/25 13:53	PB170180
78-59-1	Isophorone	320	U	1	62.1	320	ug/Kg	10/22/25 13:53	PB170180
88-75-5	2-Nitrophenol	320	U	1	110	320	ug/Kg	10/22/25 13:53	PB170180
105-67-9	2,4-Dimethylphenol	320	U	1	120	320	ug/Kg	10/22/25 13:53	PB170180
111-91-1	bis(2-Chloroethoxy)methane	320	U	1	58.3	320	ug/Kg	10/22/25 13:53	PB170180
120-83-2	2,4-Dichlorophenol	320	U	1	53.6	320	ug/Kg	10/22/25 13:53	PB170180
91-20-3	Naphthalene	320	U	1	43.0	320	ug/Kg	10/22/25 13:53	PB170180
106-47-8	4-Chloroaniline	320	U	1	67.0	320	ug/Kg	10/22/25 13:53	PB170180
87-68-3	Hexachlorobutadiene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
105-60-2	Caprolactam	620	U	1	98.6	620	ug/Kg	10/22/25 13:53	PB170180
59-50-7	4-Chloro-3-methylphenol	320	U	1	54.3	320	ug/Kg	10/22/25 13:53	PB170180
91-57-6	2-Methylnaphthalene	320	U	1	48.4	320	ug/Kg	10/22/25 13:53	PB170180
77-47-4	Hexachlorocyclopentadiene	620	U	1	220	620	ug/Kg	10/22/25 13:53	PB170180
88-06-2	2,4,6-Trichlorophenol	320	U	1	37.5	320	ug/Kg	10/22/25 13:53	PB170180
95-95-4	2,4,5-Trichlorophenol	320	U	1	55.1	320	ug/Kg	10/22/25 13:53	PB170180
92-52-4	1,1-Biphenyl	320	U	1	41.3	320	ug/Kg	10/22/25 13:53	PB170180
91-58-7	2-Chloronaphthalene	320	U	1	42.6	320	ug/Kg	10/22/25 13:53	PB170180
88-74-4	2-Nitroaniline	320	U	1	91.0	320	ug/Kg	10/22/25 13:53	PB170180
131-11-3	Dimethylphthalate	320	U	1	51.3	320	ug/Kg	10/22/25 13:53	PB170180
208-96-8	Acenaphthylene	320	U	1	54.7	320	ug/Kg	10/22/25 13:53	PB170180
606-20-2	2,6-Dinitrotoluene	320	UQ	1	63.6	320	ug/Kg	10/22/25 13:53	PB170180
99-09-2	3-Nitroaniline	320	U	1	87.1	320	ug/Kg	10/22/25 13:53	PB170180
83-32-9	Acenaphthene	320	U	1	40.3	320	ug/Kg	10/22/25 13:53	PB170180
51-28-5	2,4-Dinitrophenol	620	U	1	430	620	ug/Kg	10/22/25 13:53	PB170180
100-02-7	4-Nitrophenol	620	U	1	200	620	ug/Kg	10/22/25 13:53	PB170180
132-64-9	Dibenzofuran	320	U	1	43.0	320	ug/Kg	10/22/25 13:53	PB170180
121-14-2	2,4-Dinitrotoluene	320	U	1	94.8	320	ug/Kg	10/22/25 13:53	PB170180
84-66-2	Diethylphthalate	320	U	1	53.6	320	ug/Kg	10/22/25 13:53	PB170180
7005-72-3	4-Chlorophenyl-phenylether	320	U	1	50.5	320	ug/Kg	10/22/25 13:53	PB170180
86-73-7	Fluorene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
100-01-6	4-Nitroaniline	320	U	1	120	320	ug/Kg	10/22/25 13:53	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	620	U	1	190	620	ug/Kg	10/22/25 13:53	PB170180

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	320	U	1	62.3	320	ug/Kg	10/22/25 13:53	PB170180
101-55-3	4-Bromophenyl-phenylether	320	U	1	52.6	320	ug/Kg	10/22/25 13:53	PB170180
118-74-1	Hexachlorobenzene	320	U	1	47.9	320	ug/Kg	10/22/25 13:53	PB170180
1912-24-9	Atrazine	320	U	1	64.3	320	ug/Kg	10/22/25 13:53	PB170180
87-86-5	Pentachlorophenol	620	U	1	97.1	620	ug/Kg	10/22/25 13:53	PB170180
85-01-8	Phenanthrene	320	U	1	39.6	320	ug/Kg	10/22/25 13:53	PB170180
120-12-7	Anthracene	320	U	1	63.0	320	ug/Kg	10/22/25 13:53	PB170180
86-74-8	Carbazole	320	U	1	59.0	320	ug/Kg	10/22/25 13:53	PB170180
84-74-2	Di-n-butylphthalate	320	U	1	90.7	320	ug/Kg	10/22/25 13:53	PB170180
206-44-0	Fluoranthene	320	U	1	56.8	320	ug/Kg	10/22/25 13:53	PB170180
129-00-0	Pyrene	320	U	1	68.1	320	ug/Kg	10/22/25 13:53	PB170180
85-68-7	Butylbenzylphthalate	320	U	1	140	320	ug/Kg	10/22/25 13:53	PB170180
91-94-1	3,3-Dichlorobenzidine	620	U	1	69.5	620	ug/Kg	10/22/25 13:53	PB170180
56-55-3	Benzo(a)anthracene	320	U	1	43.5	320	ug/Kg	10/22/25 13:53	PB170180
218-01-9	Chrysene	320	U	1	37.7	320	ug/Kg	10/22/25 13:53	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	320	U	1	110	320	ug/Kg	10/22/25 13:53	PB170180
117-84-0	Di-n-octyl phthalate	620	U	1	160	620	ug/Kg	10/22/25 13:53	PB170180
205-99-2	Benzo(b)fluoranthene	320	U	1	36.0	320	ug/Kg	10/22/25 13:53	PB170180
207-08-9	Benzo(k)fluoranthene	320	U	1	42.4	320	ug/Kg	10/22/25 13:53	PB170180
50-32-8	Benzo(a)pyrene	320	U	1	55.8	320	ug/Kg	10/22/25 13:53	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	320	UQ	1	55.1	320	ug/Kg	10/22/25 13:53	PB170180
53-70-3	Dibenzo(a,h)anthracene	320	U	1	51.9	320	ug/Kg	10/22/25 13:53	PB170180
191-24-2	Benzo(g,h,i)perylene	320	UQ	1	48.6	320	ug/Kg	10/22/25 13:53	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	320	U	1	48.4	320	ug/Kg	10/22/25 13:53	PB170180
123-91-1	1,4-Dioxane	320	U	1	85.5	320	ug/Kg	10/22/25 13:53	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	320	U	1	51.9	320	ug/Kg	10/22/25 13:53	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	42.9			18 - 112	29%	SPK: 150		
13127-88-3	Phenol-d6	40.2			15 - 107	27%	SPK: 150		
4165-60-0	Nitrobenzene-d5	27.1			18 - 107	27%	SPK: 100		
321-60-8	2-Fluorobiphenyl	21.7			20 - 109	22%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	28.4			10 - 116	19%	SPK: 150		
1718-51-0	Terphenyl-d14	22.2			10 - 105	22%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	91100							
1146-65-2	Naphthalene-d8	322000							
15067-26-2	Acenaphthene-d10	162000							
1517-22-2	Phenanthrene-d10	265000							
1719-03-5	Chrysene-d12	232000							
1520-96-3	Perylene-d12	277000							
TENTATIVE IDENTIFIED COMPOUNDS									
003891-98-3	Dodecane, 2,6,10-trimethyl-	130	J			9.18	ug/Kg		
000119-61-9	Benzophenone	190	J			10.6	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-COMP2-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-03	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	52.7
Sample Wt/Vol:	30.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000112-04-9	Silane, trichlorooctadecyl-	200	J			11.3	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\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Quant Time: Oct 22 14:16:24 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	91108	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	322317	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	162319	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	264674	20.000	ng	0.00
76) Chrysene-d12	14.057	240	231985	20.000	ng	-0.01
86) Perylene-d12	15.545	264	277314	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	246069	42.889	ng	0.00
7) Phenol-d6	6.504	99	275048	40.220	ng	-0.01
23) Nitrobenzene-d5	7.439	82	143948	27.133	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	45838	28.352	ng	-0.01
45) 2-Fluorobiphenyl	9.233	172	221922	21.694	ng	-0.02
79) Terphenyl-d14	12.998	244	300681	22.152	ng	-0.01

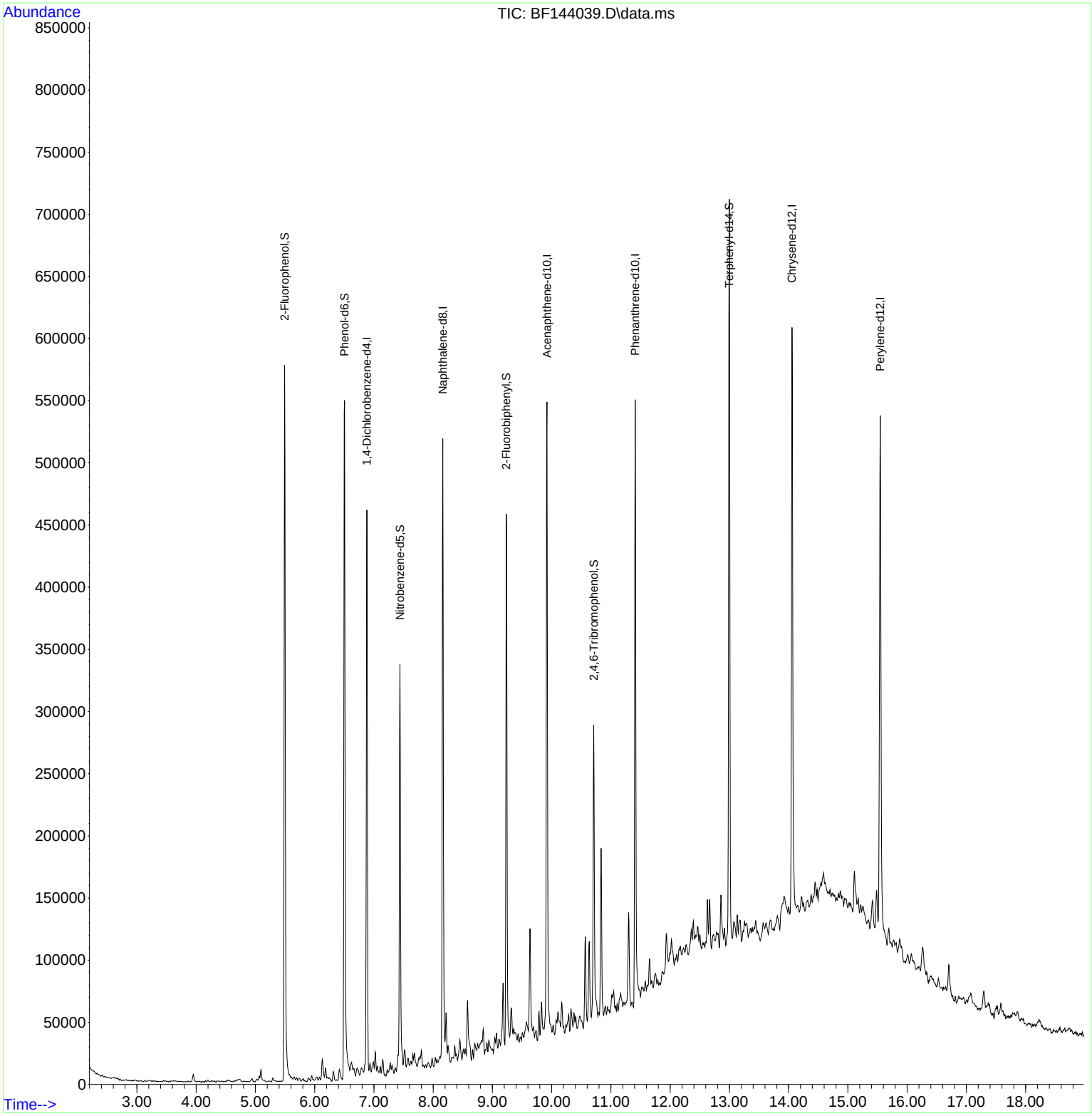
Target Compounds Qvalue

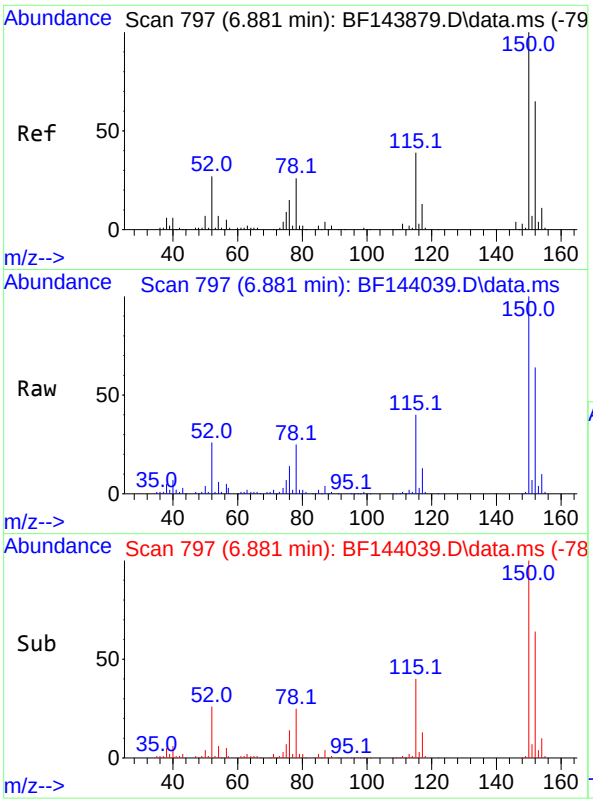
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Quant Time: Oct 22 14:16:24 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



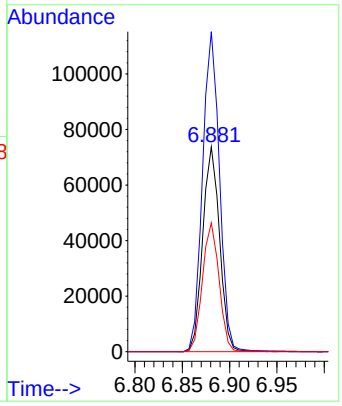


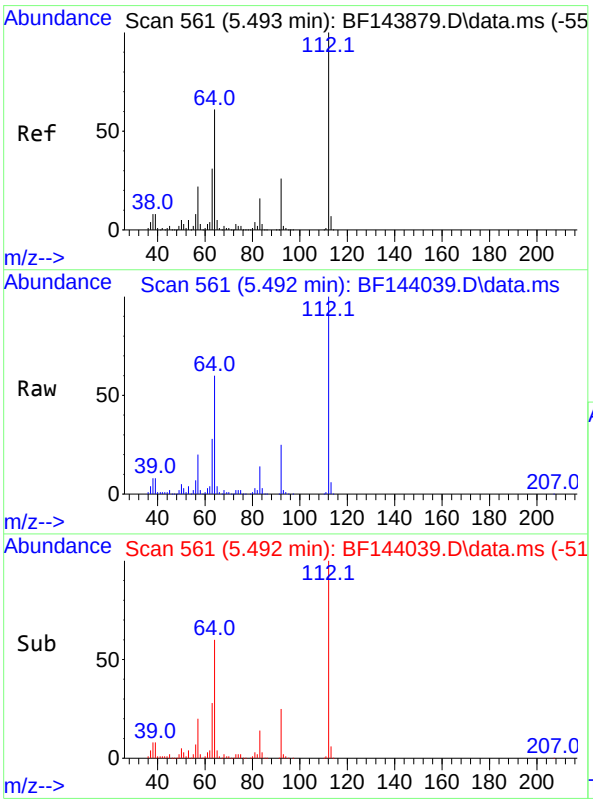
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Tgt Ion:152 Resp: 91108

Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.4	186.6
115	62.8	48.1	72.1

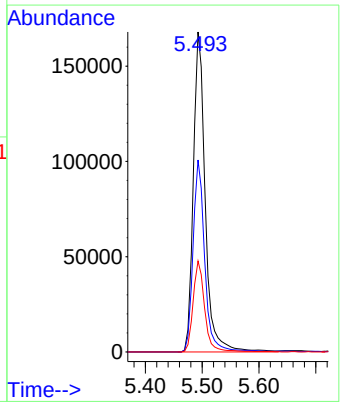


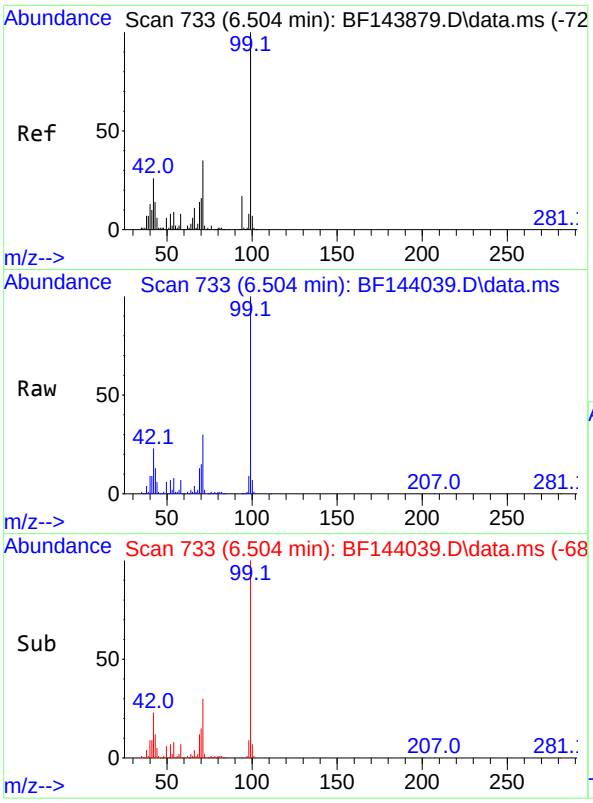


#5
2-Fluorophenol
Concen: 42.889 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Tgt Ion:112 Resp: 246069

Ion	Ratio	Lower	Upper
112	100		
64	60.0	49.1	73.7
63	28.4	24.5	36.7



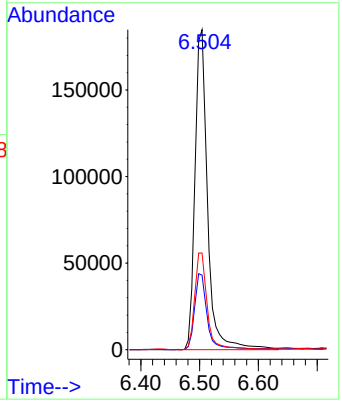


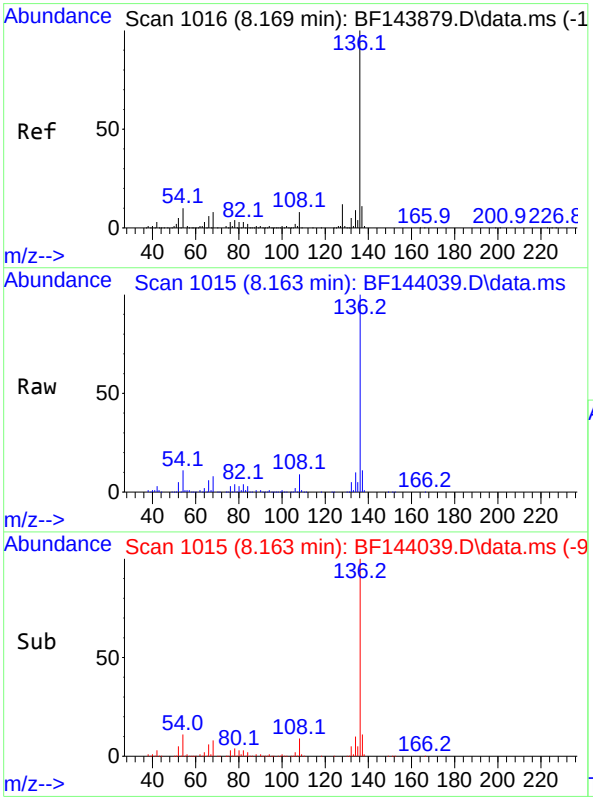
#7
Phenol-d6
Concen: 40.220 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Tgt Ion: 99 Resp: 275048

Ion	Ratio	Lower	Upper
99	100		
42	23.3	21.0	31.4
71	30.2	27.8	41.8

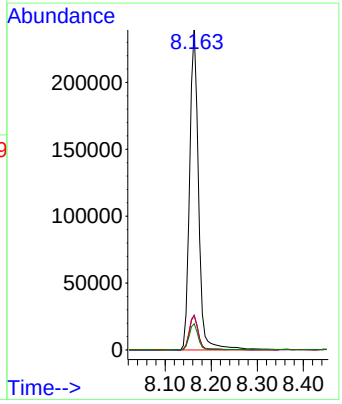


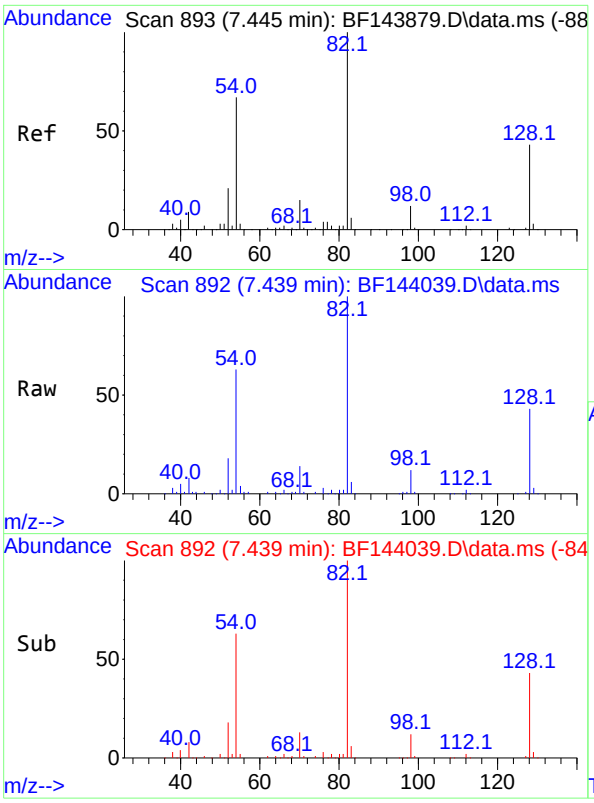


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Tgt Ion:136 Resp: 322317

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	10.8	8.2	12.4
68	8.2	6.2	9.4



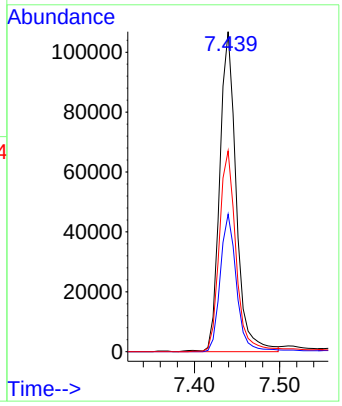


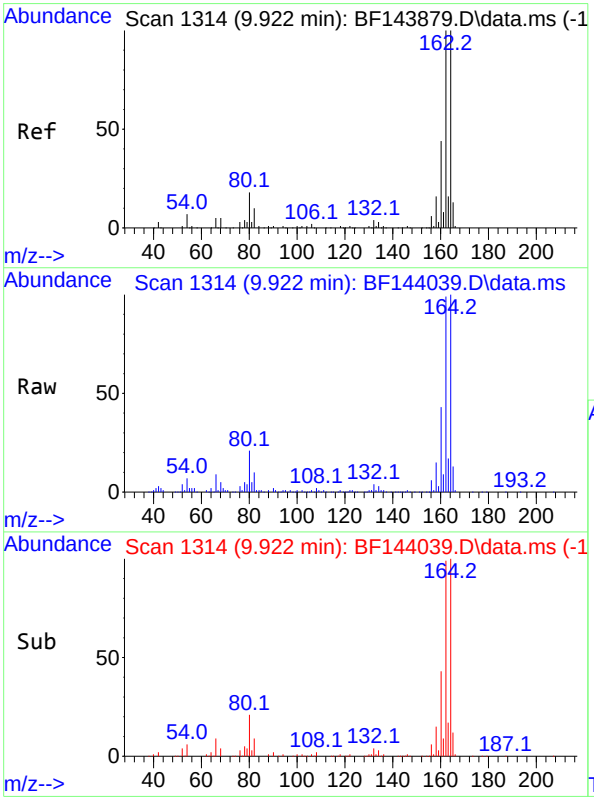
#23
Nitrobenzene-d5
Concen: 27.133 ng
RT: 7.439 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Tgt Ion: 82 Resp: 143948

Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	62.8	53.2	79.8

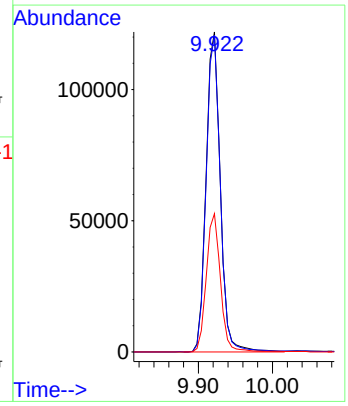


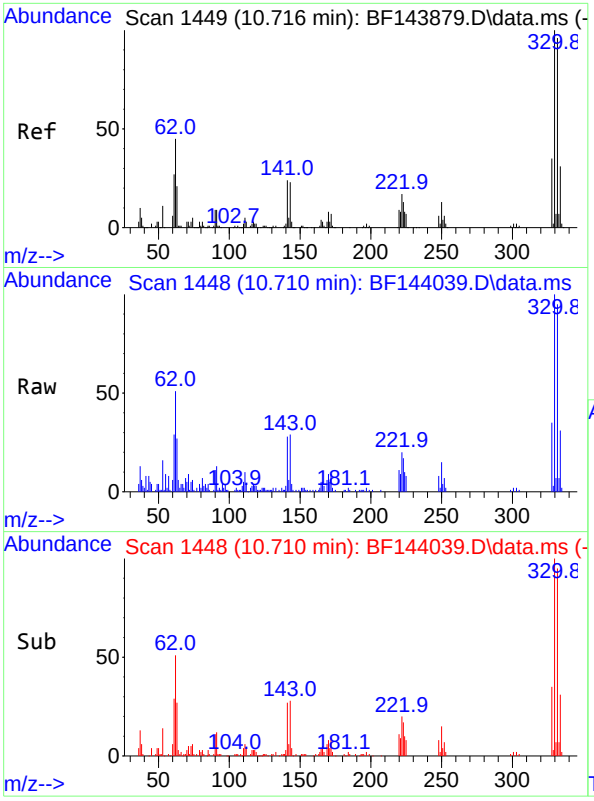


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Tgt Ion:164 Resp: 162319

Ion	Ratio	Lower	Upper
164	100		
162	99.0	80.2	120.2
160	43.2	35.4	53.0



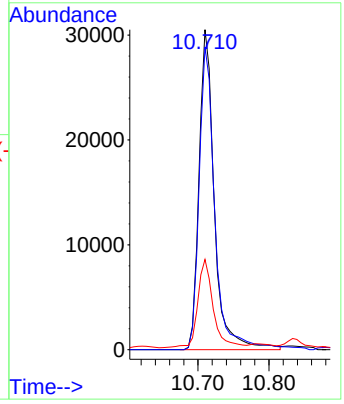


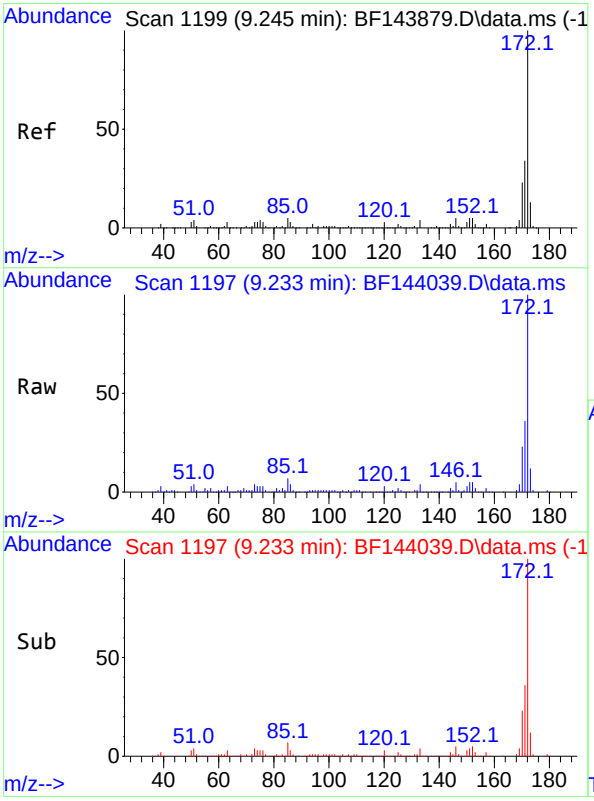
#42
2,4,6-Tribromophenol
Concen: 28.352 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Tgt Ion:330 Resp: 45838

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.9	115.3
141	28.0	20.2	30.4

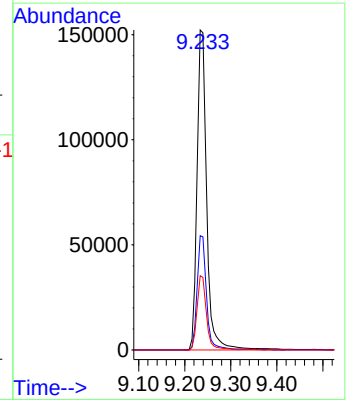


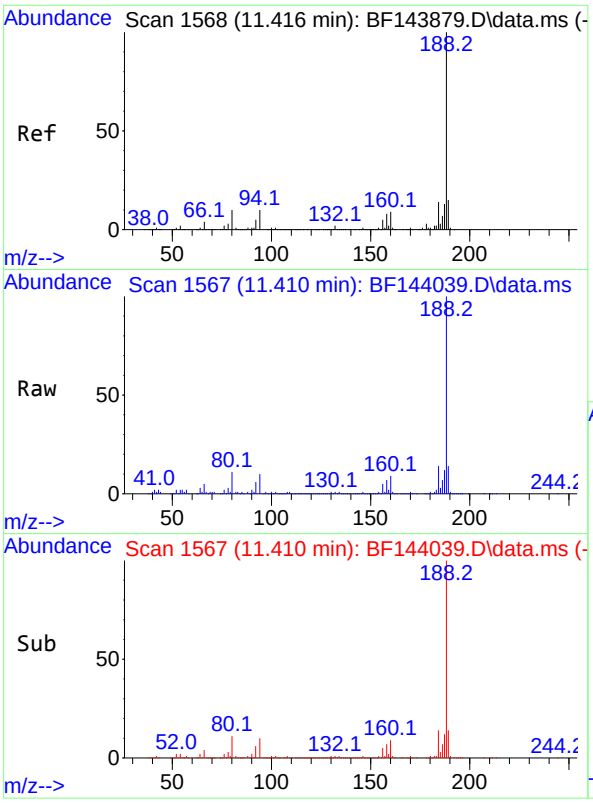


#45
2-Fluorobiphenyl
Concen: 21.694 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.018 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Tgt Ion:172 Resp: 221922

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.4	41.0
170	23.2	18.6	28.0



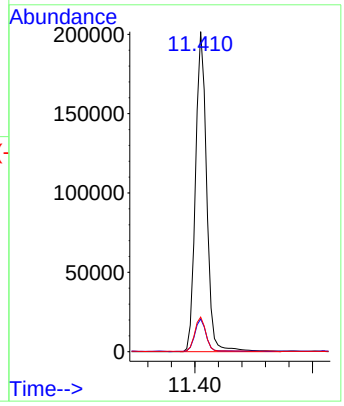


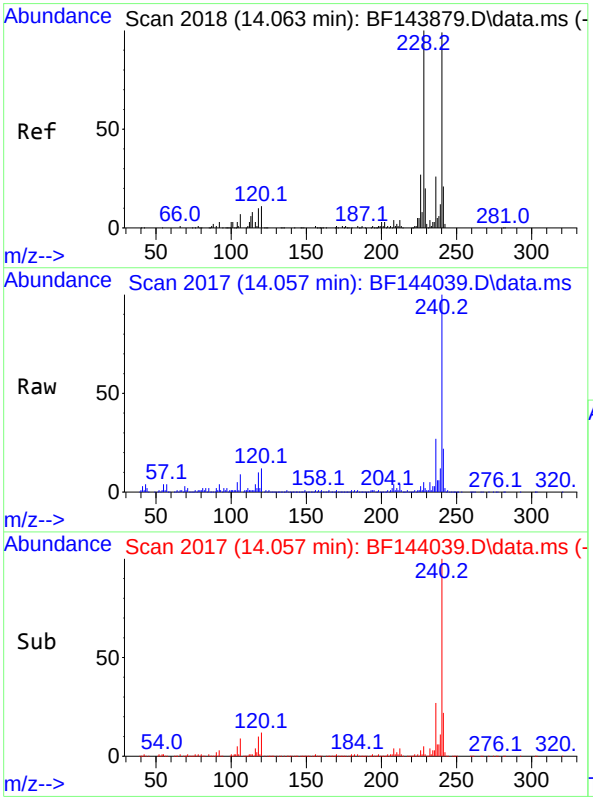
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Tgt Ion:188 Resp: 264674

Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	10.8	7.9	11.9

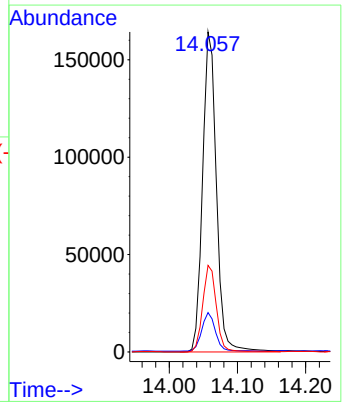


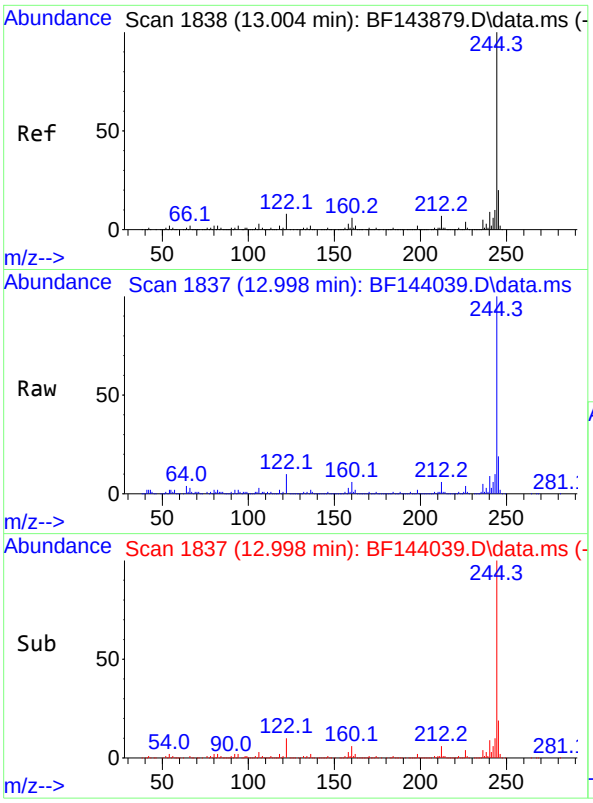


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Tgt Ion:240 Resp: 231985

Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.6	13.0
236	27.1	21.1	31.7



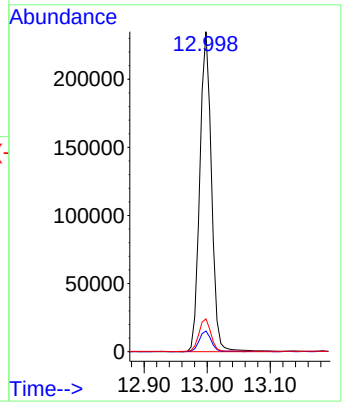


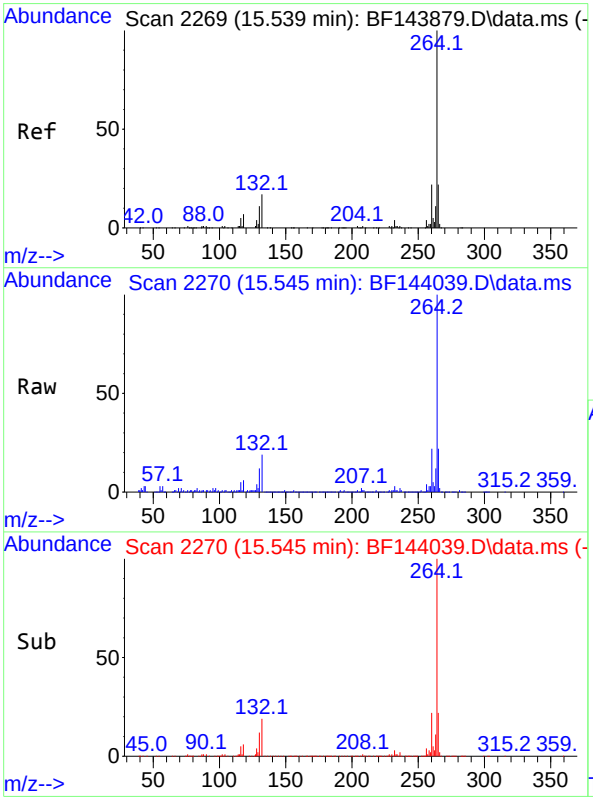
#79
Terphenyl-d14
Concen: 22.152 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

Tgt Ion:244 Resp: 300681

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	10.3	6.4	9.6#

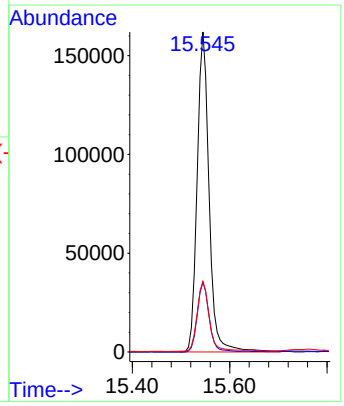




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144039.D
Acq: 22 Oct 2025 13:53

Tgt Ion:264 Resp: 277314

Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.8	26.8
265	22.1	17.5	26.3



Sample Results: **BF144039.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

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: BF144039.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.951	290	299	304	rBV	6190	11775	1.41%	0.121%
2	5.093	490	493	502	rVB2	8521	11725	1.41%	0.120%
3	5.493	556	561	578	rBV	575445	828540	99.39%	8.507%
4	6.128	664	669	675	rBV2	16415	28963	3.47%	0.297%
5	6.181	675	678	682	rVB	8019	10781	1.29%	0.111%
6	6.316	696	701	707	rBV3	7953	13219	1.59%	0.136%
7	6.416	713	718	727	rBV6	8902	19412	2.33%	0.199%
8	6.504	727	733	748	rBV	546239	833592	100.00%	8.559%
9	6.622	748	753	757	rVV4	6788	13190	1.58%	0.135%
10	6.716	764	769	776	rBV6	6111	14866	1.78%	0.153%
11	6.787	777	781	788	rBV6	5646	13614	1.63%	0.140%
12	6.881	792	797	802	rVV	452693	569030	68.26%	5.843%
13	6.934	802	806	809	rVB3	7116	9122	1.09%	0.094%
14	6.992	809	816	818	rBV5	8122	14820	1.78%	0.152%
15	7.022	818	821	825	rVB2	14795	18071	2.17%	0.186%
16	7.151	838	843	847	rVB5	12331	19494	2.34%	0.200%
17	7.275	861	864	867	rVV4	7239	8909	1.07%	0.091%
18	7.304	867	869	875	rVB5	6555	9648	1.16%	0.099%
19	7.404	882	886	887	rBV3	12956	16160	1.94%	0.166%
20	7.439	887	892	901	rVV	324753	450872	54.09%	4.629%
21	7.516	901	905	910	rVB4	13916	24691	2.96%	0.254%
22	7.575	912	915	919	rVB4	5980	8634	1.04%	0.089%
23	7.657	926	929	931	rBV2	8184	9312	1.12%	0.096%
24	7.686	931	934	941	rVB4	10572	16682	2.00%	0.171%
25	7.798	951	953	957	rVB3	12876	15003	1.80%	0.154%
26	7.981	980	984	989	rBV5	7419	10909	1.31%	0.112%
27	8.039	990	994	996	rBV3	6833	9489	1.14%	0.097%
28	8.163	1009	1015	1021	rBV	497919	657709	78.90%	6.753%
29	8.216	1021	1024	1028	rVV	38032	53724	6.44%	0.552%
30	8.251	1028	1030	1037	rVB5	13087	20607	2.47%	0.212%
31	8.363	1046	1049	1052	rBV3	9958	11705	1.40%	0.120%
32	8.451	1060	1064	1070	rVB6	15998	28358	3.40%	0.291%
33	8.510	1070	1074	1076	rBV4	8108	11533	1.38%	0.118%
34	8.581	1082	1086	1097	rVB2	47998	93512	11.22%	0.960%
35	8.663	1097	1100	1103	rBV3	8329	9820	1.18%	0.101%
36	8.704	1103	1107	1112	rBV6	11366	23312	2.80%	0.239%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

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	8.845	1128	1131	1135	rVB	19770	25889	3.11%	0.266%
38	8.939	1144	1147	1156	rBV6	9303	18902	2.27%	0.194%
39	9.039	1160	1164	1166	rBV5	12268	17438	2.09%	0.179%
40	9.069	1167	1169	1173	rVB2	12157	12107	1.45%	0.124%
41	9.181	1181	1188	1193	rBV	49788	75973	9.11%	0.780%
42	9.233	1193	1197	1207	rBV	426759	592090	71.03%	6.079%
43	9.316	1208	1211	1216	rVV4	21480	31410	3.77%	0.323%
44	9.633	1260	1265	1272	rBV2	82353	124856	14.98%	1.282%
45	9.786	1287	1291	1294	rBV2	23715	31822	3.82%	0.327%
46	9.828	1294	1298	1305	rVV6	29214	53171	6.38%	0.546%
47	9.922	1309	1314	1328	rVB	508187	711727	85.38%	7.308%
48	10.169	1353	1356	1360	rVB4	19590	26918	3.23%	0.276%
49	10.327	1380	1383	1388	rBV6	17888	29183	3.50%	0.300%
50	10.375	1389	1391	1394	rVV3	9174	10608	1.27%	0.109%
51	10.569	1419	1424	1430	rBV	72437	112812	13.53%	1.158%
52	10.633	1430	1435	1441	rVV	66464	104552	12.54%	1.074%
53	10.710	1443	1448	1460	rVV	237640	374518	44.93%	3.845%
54	10.833	1464	1469	1476	rVB	134734	189421	22.72%	1.945%
55	11.298	1544	1548	1555	rVB	74697	110534	13.26%	1.135%
56	11.410	1562	1567	1582	rBV	488763	709553	85.12%	7.286%
57	11.939	1654	1657	1662	rVB4	22468	32505	3.90%	0.334%
58	12.627	1771	1774	1777	rBV	35176	44341	5.32%	0.455%
59	12.669	1778	1781	1786	rVB3	39809	50973	6.11%	0.523%
60	12.857	1810	1813	1820	rBV2	36118	56847	6.82%	0.584%
61	12.998	1832	1837	1846	rVB	594692	775623	93.05%	7.964%
62	14.057	2012	2017	2026	rBV	469043	701292	84.13%	7.201%
63	15.545	2265	2270	2289	rVB	425912	793274	95.16%	8.145%

Sum of corrected areas: 9739142

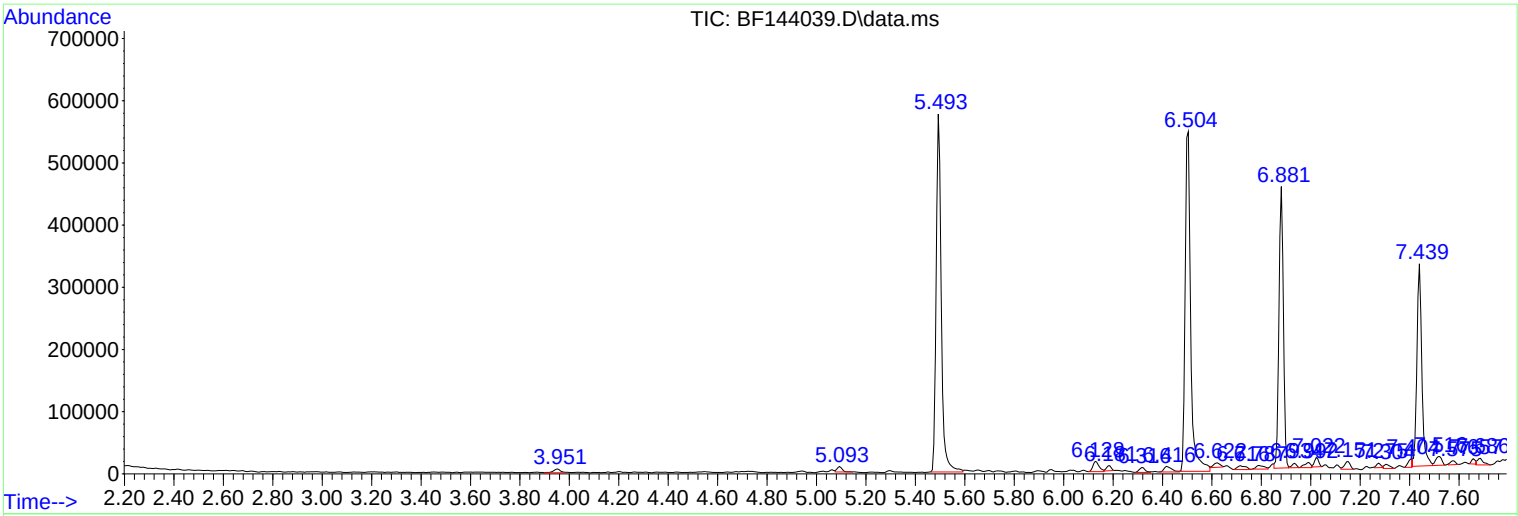
Sample Results: **BF144039.D**

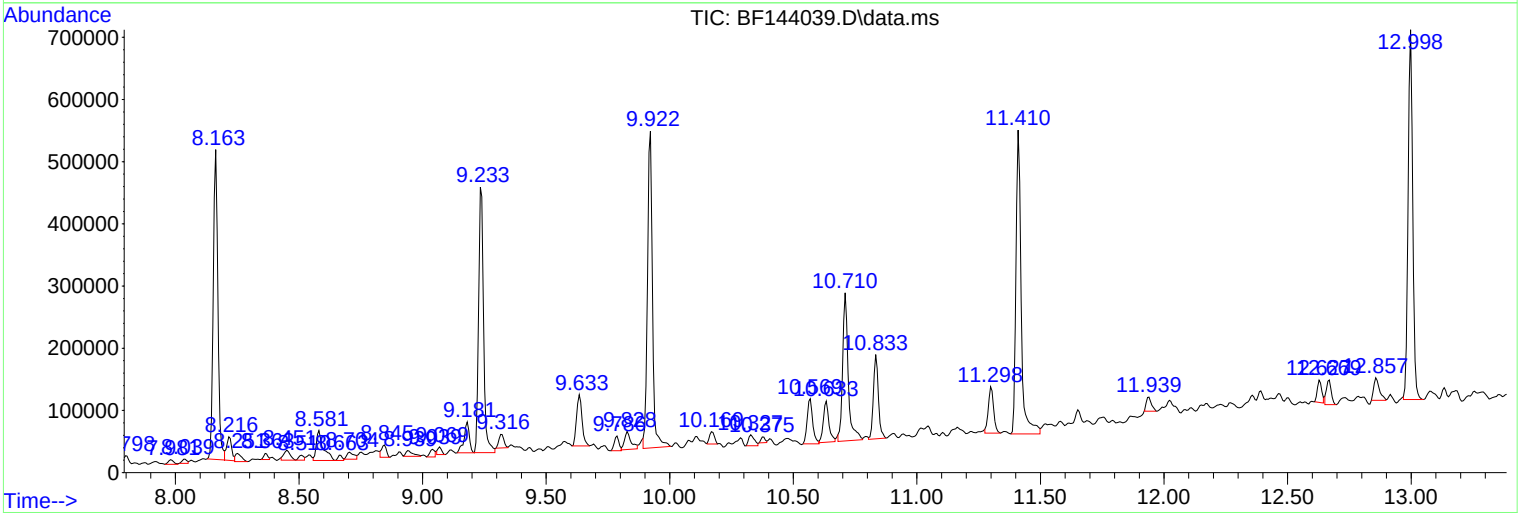
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

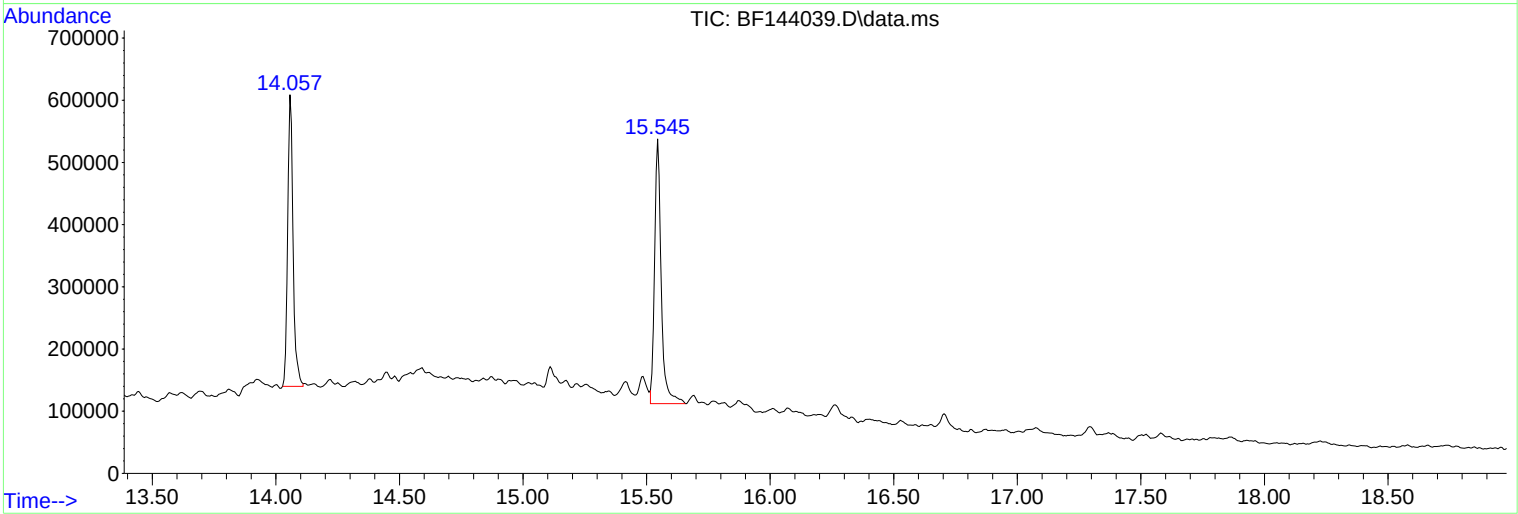
Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

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\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

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

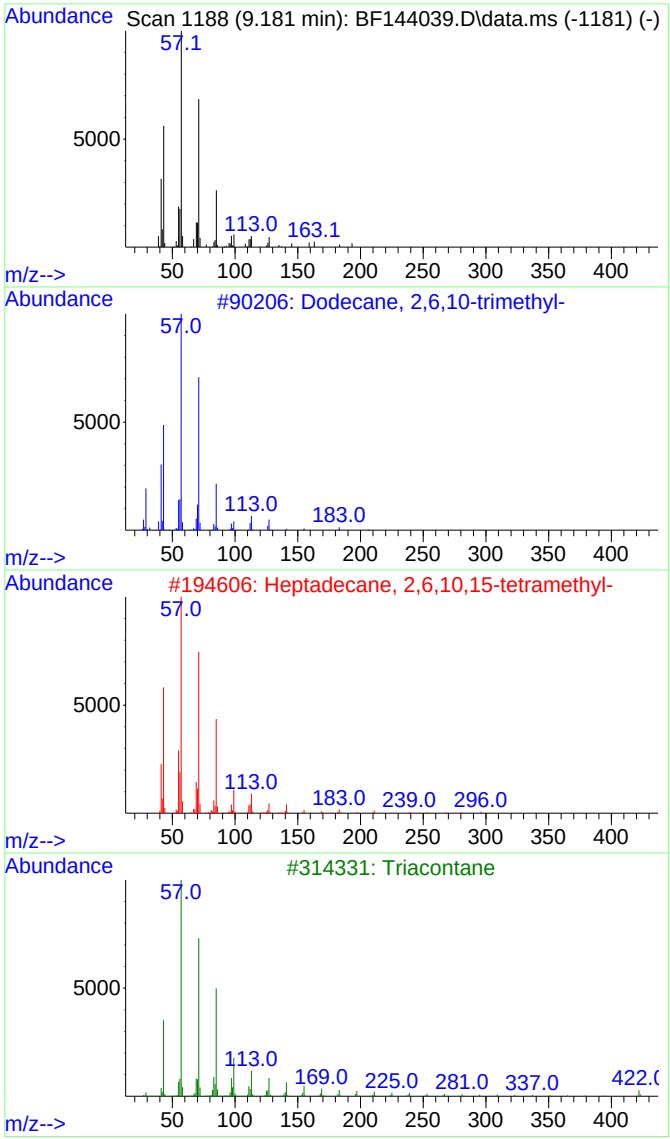
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

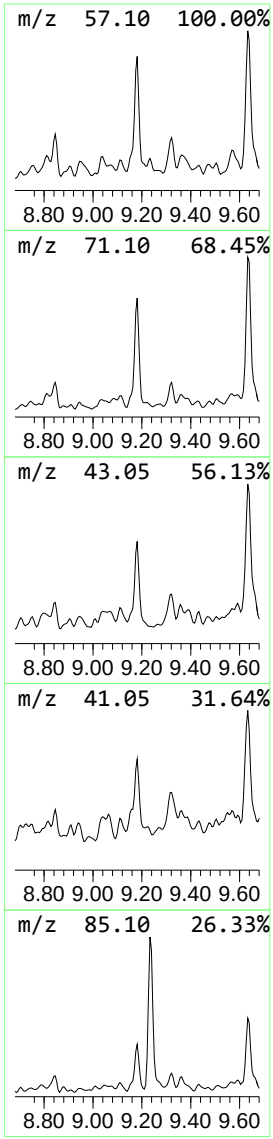
****

Peak Number 2 Dodecane, 2,6,10-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.181	2.13 ng	75973	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	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	78
3	Triacontane	422	C30H62	000638-68-6	78
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
5	Sulfurous acid, dodecyl pentyl e...	320	C17H36O3S	1000309-14-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

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

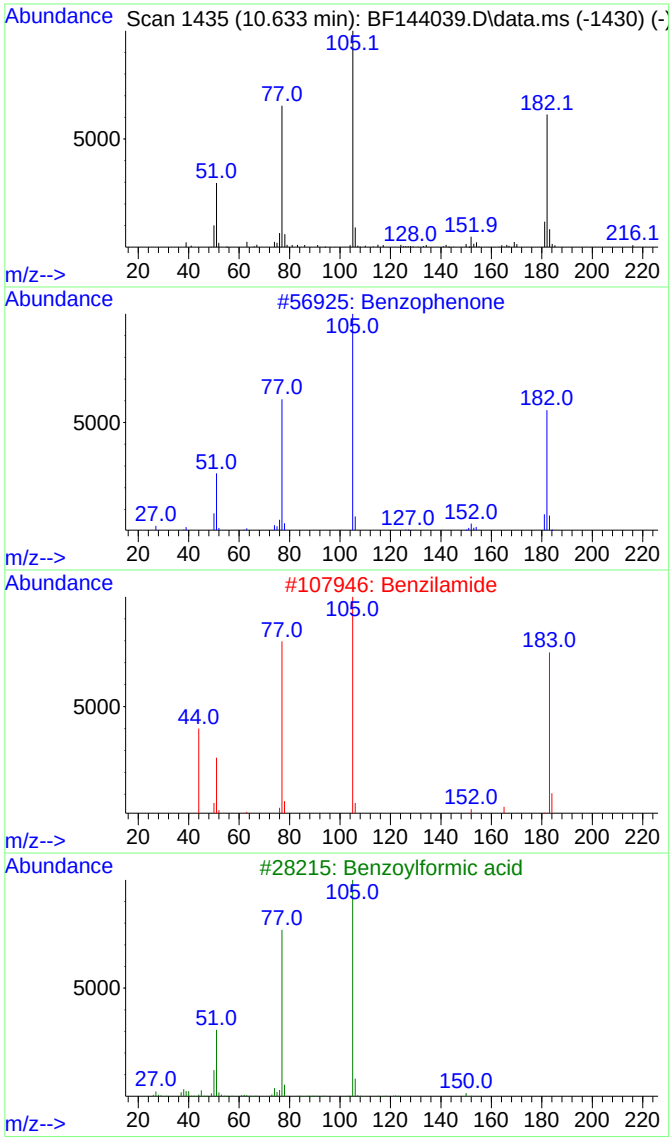
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

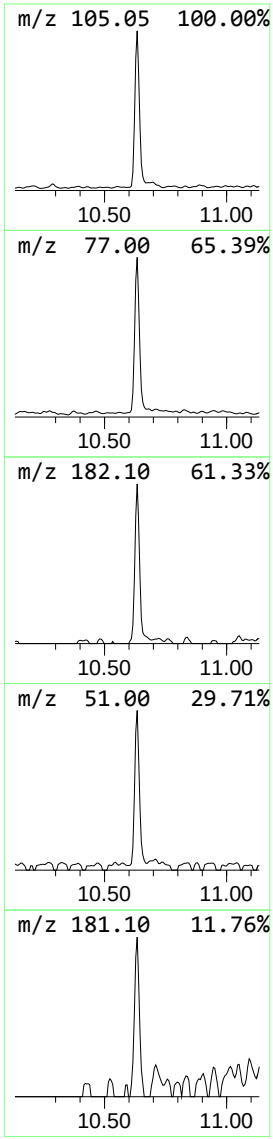
****

Peak Number 5 Benzophenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.633	2.94 ng	104552	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzilamide	227	C14H13NO2	004746-87-6	47
3	Benzoylformic acid	150	C8H6O3	000611-73-4	46
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46
5	Vinyl benzoate	148	C9H8O2	000769-78-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

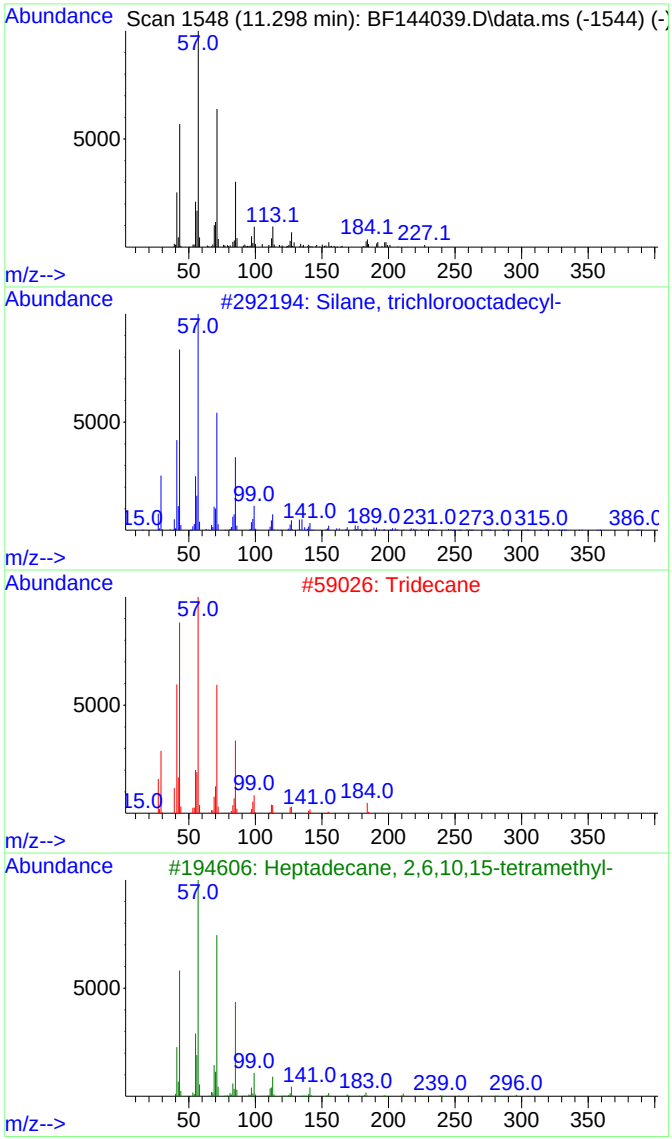
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

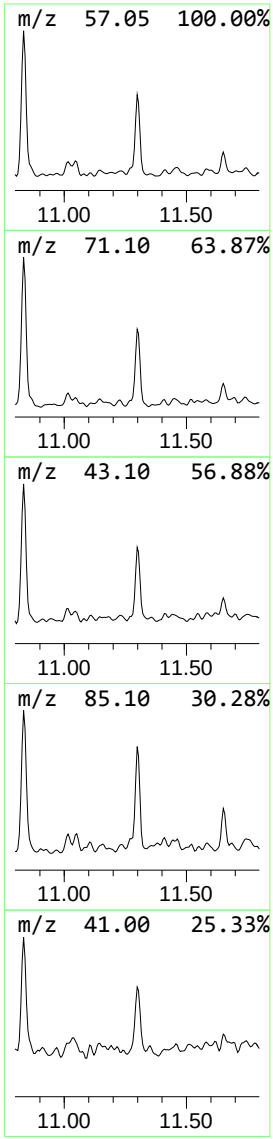
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Silane, trichlorooctadecyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	3.12 ng	110534	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	86
2	Tridecane	184	C13H28	000629-50-5	83
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
4	Tetradecane	198	C14H30	000629-59-4	81
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144039.D
Acq On : 22 Oct 2025 13:53
Operator : RC/JU
Sample : Q3376-03
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-COMP2-20251016

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	2.1	ng	75973	3	9.922	711727	20.0
Benzophenone	10.633	2.9	ng	104552	3	9.922	711727	20.0
Silane, trichlo...	11.298	3.1	ng	110534	4	11.410	709553	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.3
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/22/25 14:22	PB170180
108-95-2	Phenol	330	U	1	43.0	330	ug/Kg	10/22/25 14:22	PB170180
111-44-4	bis(2-Chloroethyl)ether	330	U	1	47.3	330	ug/Kg	10/22/25 14:22	PB170180
95-57-8	2-Chlorophenol	330	U	1	47.5	330	ug/Kg	10/22/25 14:22	PB170180
95-48-7	2-Methylphenol	330	U	1	58.1	330	ug/Kg	10/22/25 14:22	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	330	U	1	72.9	330	ug/Kg	10/22/25 14:22	PB170180
98-86-2	Acetophenone	330	U	1	57.4	330	ug/Kg	10/22/25 14:22	PB170180
65794-96-9	3+4-Methylphenols	640	U	1	79.9	640	ug/Kg	10/22/25 14:22	PB170180
621-64-7	n-Nitroso-di-n-propylamine	160	U	1	92.2	160	ug/Kg	10/22/25 14:22	PB170180
67-72-1	Hexachloroethane	330	U	1	34.2	330	ug/Kg	10/22/25 14:22	PB170180
98-95-3	Nitrobenzene	330	U	1	35.6	330	ug/Kg	10/22/25 14:22	PB170180
78-59-1	Isophorone	330	U	1	63.8	330	ug/Kg	10/22/25 14:22	PB170180
88-75-5	2-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 14:22	PB170180
105-67-9	2,4-Dimethylphenol	330	U	1	130	330	ug/Kg	10/22/25 14:22	PB170180
111-91-1	bis(2-Chloroethoxy)methane	330	U	1	59.9	330	ug/Kg	10/22/25 14:22	PB170180
120-83-2	2,4-Dichlorophenol	330	U	1	55.0	330	ug/Kg	10/22/25 14:22	PB170180
91-20-3	Naphthalene	330	U	1	44.1	330	ug/Kg	10/22/25 14:22	PB170180
106-47-8	4-Chloroaniline	330	U	1	68.8	330	ug/Kg	10/22/25 14:22	PB170180
87-68-3	Hexachlorobutadiene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
105-60-2	Caprolactam	640	U	1	100	640	ug/Kg	10/22/25 14:22	PB170180
59-50-7	4-Chloro-3-methylphenol	330	U	1	55.8	330	ug/Kg	10/22/25 14:22	PB170180
91-57-6	2-Methylnaphthalene	330	U	1	49.8	330	ug/Kg	10/22/25 14:22	PB170180
77-47-4	Hexachlorocyclopentadiene	640	U	1	230	640	ug/Kg	10/22/25 14:22	PB170180
88-06-2	2,4,6-Trichlorophenol	330	U	1	38.5	330	ug/Kg	10/22/25 14:22	PB170180
95-95-4	2,4,5-Trichlorophenol	330	U	1	56.6	330	ug/Kg	10/22/25 14:22	PB170180
92-52-4	1,1-Biphenyl	330	U	1	42.4	330	ug/Kg	10/22/25 14:22	PB170180
91-58-7	2-Chloronaphthalene	330	U	1	43.8	330	ug/Kg	10/22/25 14:22	PB170180
88-74-4	2-Nitroaniline	330	U	1	93.5	330	ug/Kg	10/22/25 14:22	PB170180
131-11-3	Dimethylphthalate	330	U	1	52.7	330	ug/Kg	10/22/25 14:22	PB170180
208-96-8	Acenaphthylene	330	U	1	56.2	330	ug/Kg	10/22/25 14:22	PB170180
606-20-2	2,6-Dinitrotoluene	330	UQ	1	65.3	330	ug/Kg	10/22/25 14:22	PB170180
99-09-2	3-Nitroaniline	330	U	1	89.5	330	ug/Kg	10/22/25 14:22	PB170180
83-32-9	Acenaphthene	330	U	1	41.4	330	ug/Kg	10/22/25 14:22	PB170180
51-28-5	2,4-Dinitrophenol	640	U	1	450	640	ug/Kg	10/22/25 14:22	PB170180
100-02-7	4-Nitrophenol	640	U	1	210	640	ug/Kg	10/22/25 14:22	PB170180
132-64-9	Dibenzofuran	330	U	1	44.1	330	ug/Kg	10/22/25 14:22	PB170180
121-14-2	2,4-Dinitrotoluene	330	U	1	97.4	330	ug/Kg	10/22/25 14:22	PB170180
84-66-2	Diethylphthalate	330	U	1	55.0	330	ug/Kg	10/22/25 14:22	PB170180
7005-72-3	4-Chlorophenyl-phenylether	330	U	1	51.9	330	ug/Kg	10/22/25 14:22	PB170180
86-73-7	Fluorene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
100-01-6	4-Nitroaniline	330	U	1	120	330	ug/Kg	10/22/25 14:22	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	640	U	1	200	640	ug/Kg	10/22/25 14:22	PB170180

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.3
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	330	U	1	64.0	330	ug/Kg	10/22/25 14:22	PB170180
101-55-3	4-Bromophenyl-phenylether	330	U	1	54.1	330	ug/Kg	10/22/25 14:22	PB170180
118-74-1	Hexachlorobenzene	330	U	1	49.2	330	ug/Kg	10/22/25 14:22	PB170180
1912-24-9	Atrazine	330	U	1	66.1	330	ug/Kg	10/22/25 14:22	PB170180
87-86-5	Pentachlorophenol	640	U	1	99.8	640	ug/Kg	10/22/25 14:22	PB170180
85-01-8	Phenanthrene	330	U	1	40.6	330	ug/Kg	10/22/25 14:22	PB170180
120-12-7	Anthracene	330	U	1	64.8	330	ug/Kg	10/22/25 14:22	PB170180
86-74-8	Carbazole	330	U	1	60.7	330	ug/Kg	10/22/25 14:22	PB170180
84-74-2	Di-n-butylphthalate	330	U	1	93.2	330	ug/Kg	10/22/25 14:22	PB170180
206-44-0	Fluoranthene	330	U	1	58.3	330	ug/Kg	10/22/25 14:22	PB170180
129-00-0	Pyrene	330	U	1	70.0	330	ug/Kg	10/22/25 14:22	PB170180
85-68-7	Butylbenzylphthalate	330	U	1	140	330	ug/Kg	10/22/25 14:22	PB170180
91-94-1	3,3-Dichlorobenzidine	640	U	1	71.4	640	ug/Kg	10/22/25 14:22	PB170180
56-55-3	Benzo(a)anthracene	330	U	1	44.7	330	ug/Kg	10/22/25 14:22	PB170180
218-01-9	Chrysene	330	U	1	38.7	330	ug/Kg	10/22/25 14:22	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	330	U	1	120	330	ug/Kg	10/22/25 14:22	PB170180
117-84-0	Di-n-octyl phthalate	640	U	1	170	640	ug/Kg	10/22/25 14:22	PB170180
205-99-2	Benzo(b)fluoranthene	330	U	1	37.0	330	ug/Kg	10/22/25 14:22	PB170180
207-08-9	Benzo(k)fluoranthene	330	U	1	43.6	330	ug/Kg	10/22/25 14:22	PB170180
50-32-8	Benzo(a)pyrene	330	U	1	57.4	330	ug/Kg	10/22/25 14:22	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	330	UQ	1	56.6	330	ug/Kg	10/22/25 14:22	PB170180
53-70-3	Dibenzo(a,h)anthracene	330	U	1	53.3	330	ug/Kg	10/22/25 14:22	PB170180
191-24-2	Benzo(g,h,i)perylene	330	UQ	1	50.0	330	ug/Kg	10/22/25 14:22	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	330	U	1	49.8	330	ug/Kg	10/22/25 14:22	PB170180
123-91-1	1,4-Dioxane	330	U	1	87.9	330	ug/Kg	10/22/25 14:22	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	330	U	1	53.3	330	ug/Kg	10/22/25 14:22	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	34.8			18 - 112	23%	SPK: 150		
13127-88-3	Phenol-d6	33.2			15 - 107	22%	SPK: 150		
4165-60-0	Nitrobenzene-d5	22.6			18 - 107	23%	SPK: 100		
321-60-8	2-Fluorobiphenyl	22.8			20 - 109	23%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	43.4			10 - 116	29%	SPK: 150		
1718-51-0	Terphenyl-d14	24.1			10 - 105	24%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	70900							
1146-65-2	Naphthalene-d8	251000							
15067-26-2	Acenaphthene-d10	130000							
1517-22-2	Phenanthrene-d10	213000							
1719-03-5	Chrysene-d12	243000							
1520-96-3	Perylene-d12	287000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	290	J			10.6	ug/Kg		
000057-10-3	n-Hexadecanoic acid	140	J			11.9	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-047072-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-04	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	51.3
Sample Wt/Vol:	30.07 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Quant Time: Oct 22 14:42:53 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

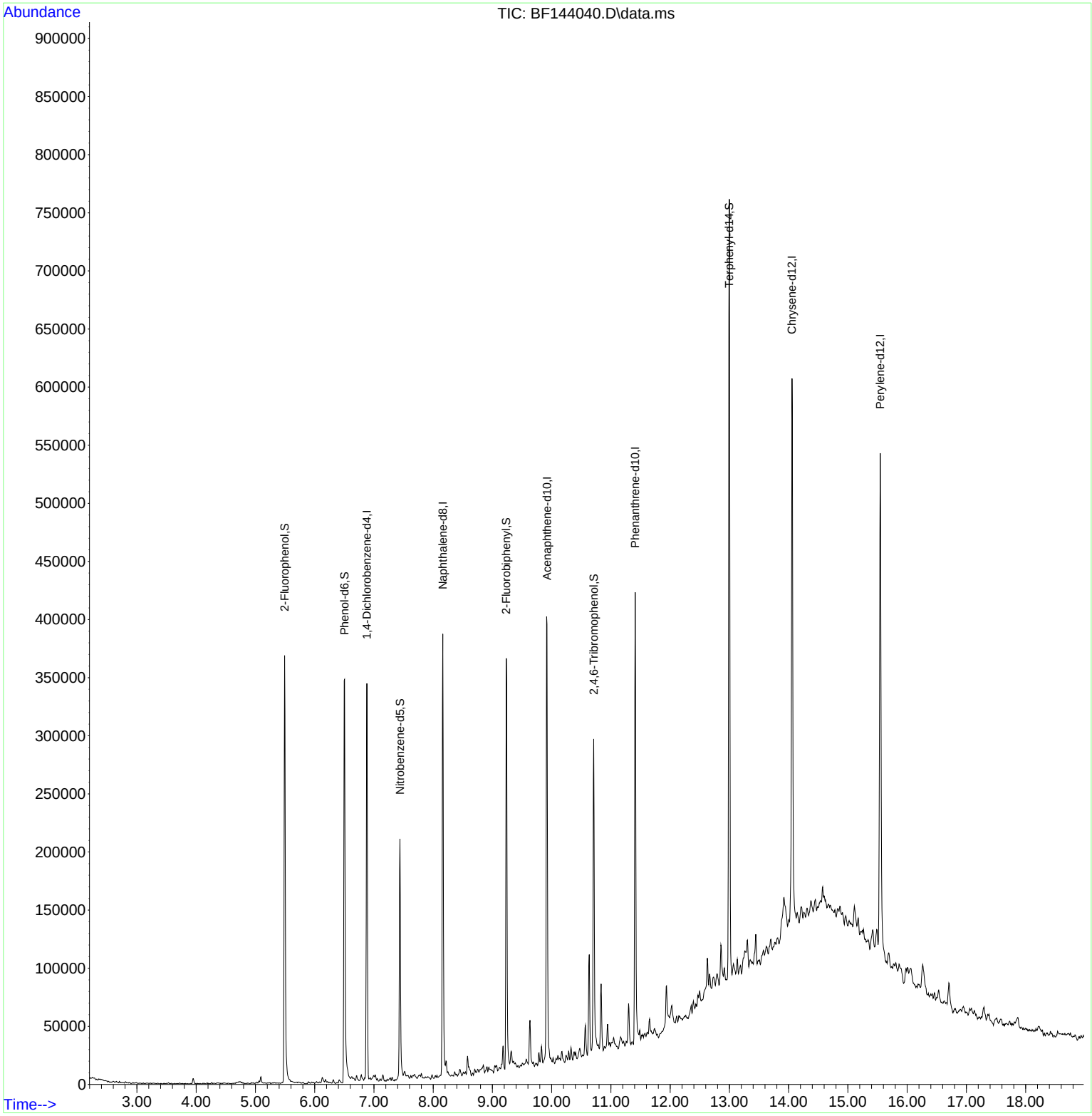
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	70898	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	250555	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	129776	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	213175	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243369	20.000	ng	-0.01
86) Perylene-d12	15.545	264	287324	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	155490	34.827	ng	0.00
7) Phenol-d6	6.504	99	176554	33.176	ng	-0.01
23) Nitrobenzene-d5	7.440	82	93175	22.593	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	56069	43.377	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	186509	22.804	ng	-0.02
79) Terphenyl-d14	12.998	244	342629	24.061	ng	-0.01
Target Compounds						Qvalue

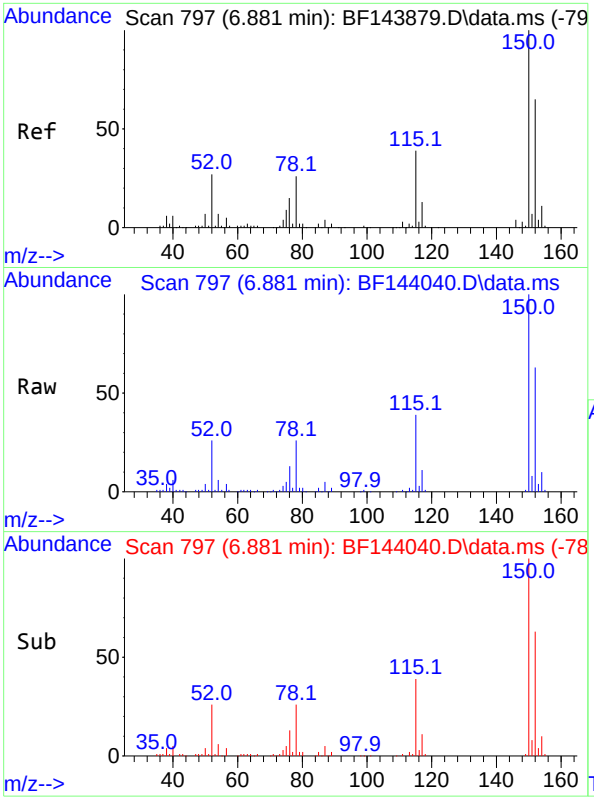
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Quant Time: Oct 22 14:42:53 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



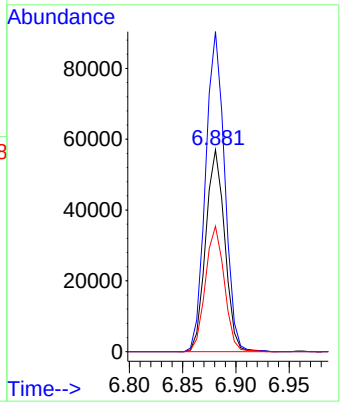


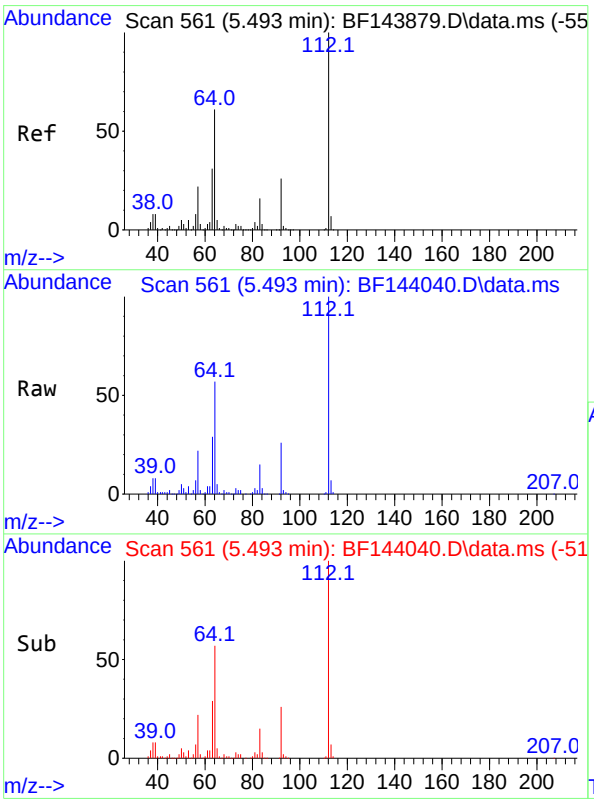
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Tgt Ion:152 Resp: 70898

Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.4	186.6
115	62.1	48.1	72.1

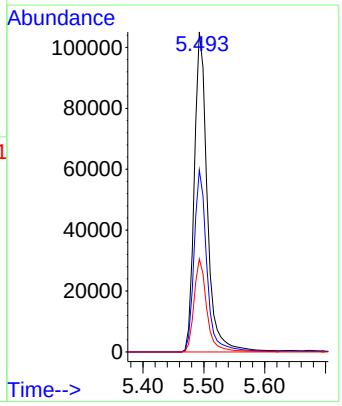


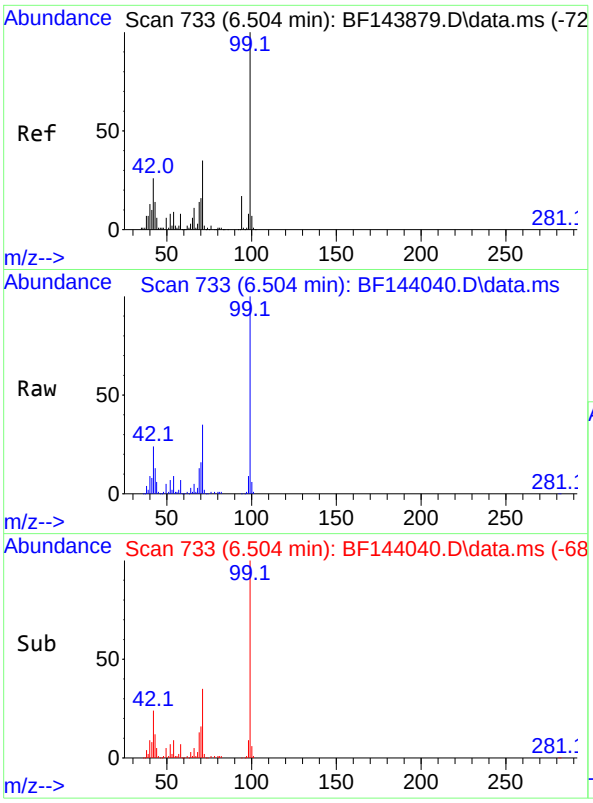


#5
2-Fluorophenol
Concen: 34.827 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:112 Resp: 155490

Ion	Ratio	Lower	Upper
112	100		
64	56.8	49.1	73.7
63	29.0	24.5	36.7



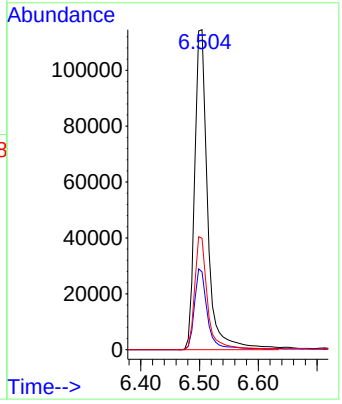


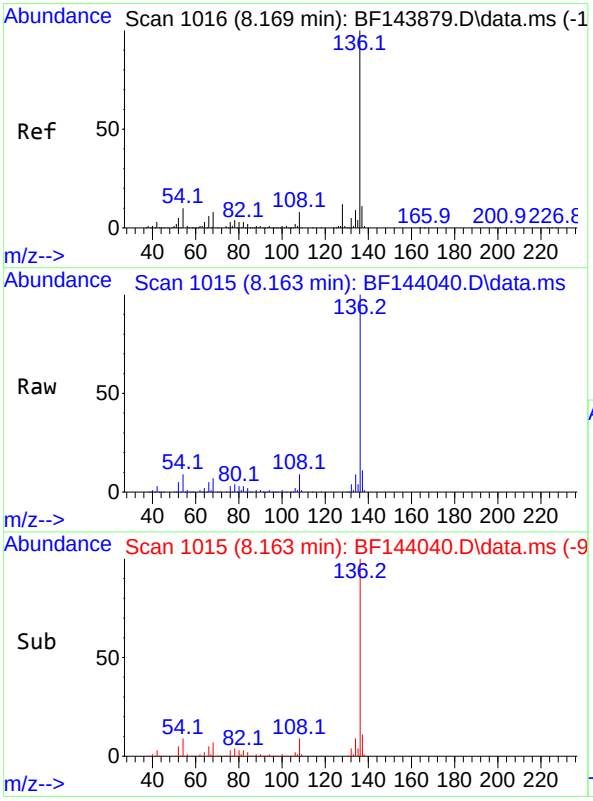
#7
Phenol-d6
Concen: 33.176 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Tgt Ion: 99 Resp: 176554

Ion	Ratio	Lower	Upper
99	100		
42	24.3	21.0	31.4
71	34.8	27.8	41.8

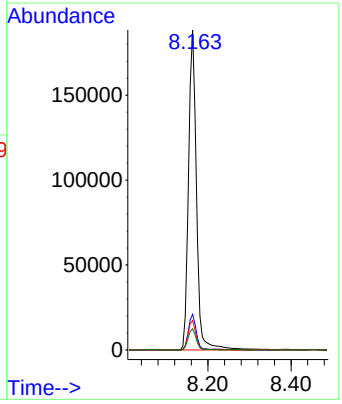


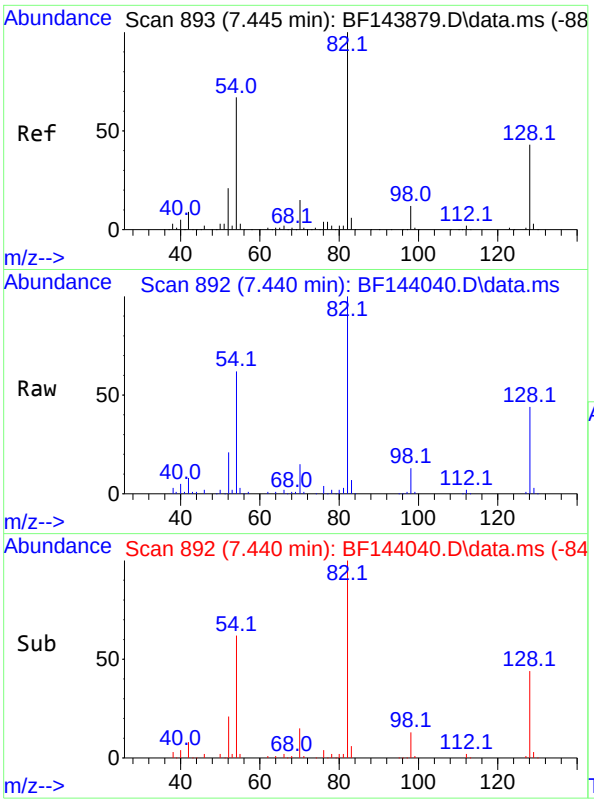


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:136 Resp: 250555

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	9.2	8.2	12.4
68	6.6	6.2	9.4



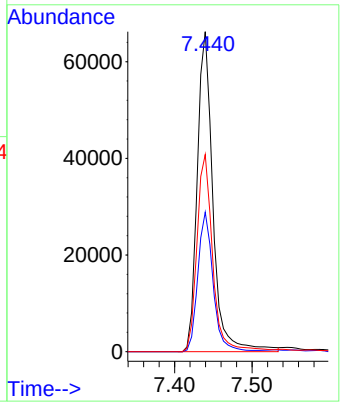


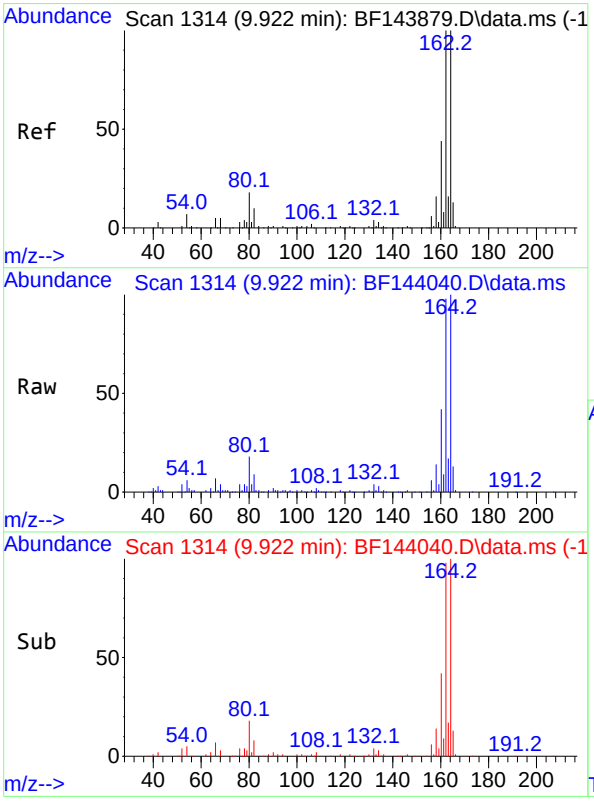
#23
Nitrobenzene-d5
Concen: 22.593 ng
RT: 7.440 min Scan# 8
Delta R.T. -0.017 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Tgt Ion: 82 Resp: 93175

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.0	51.0
54	61.6	53.2	79.8

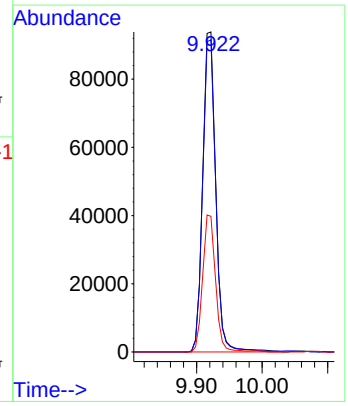


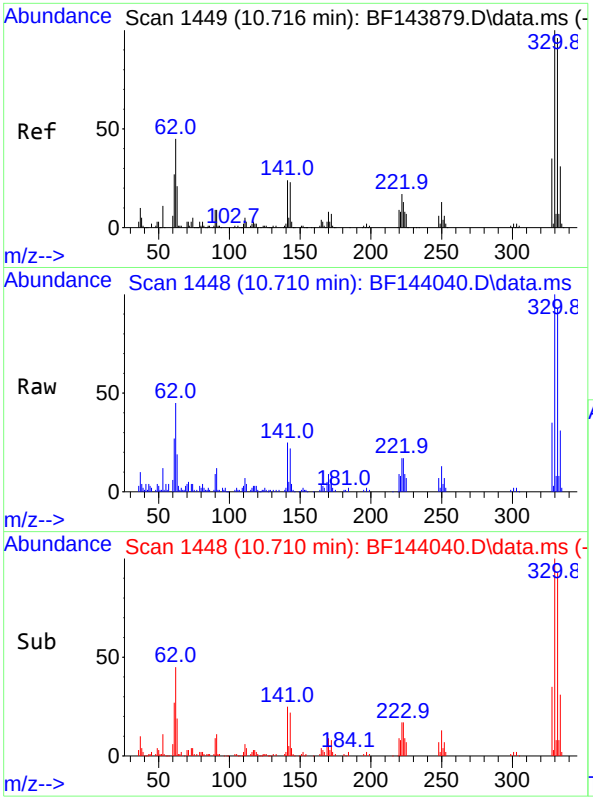


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:164 Resp: 129776

Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.2	120.2
160	42.4	35.4	53.0



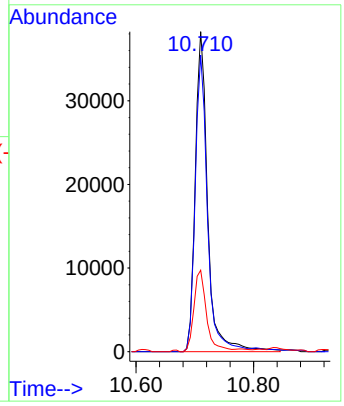


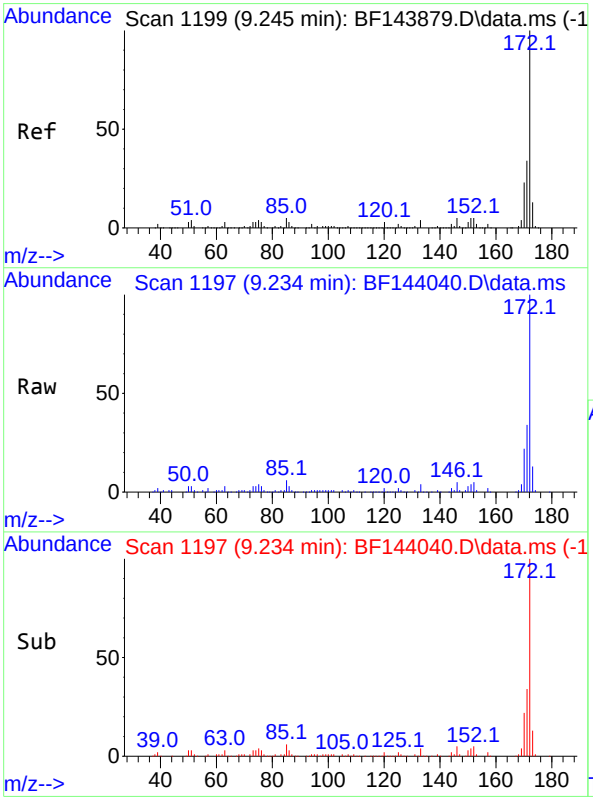
#42
2,4,6-Tribromophenol
Concen: 43.377 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Tgt Ion:330 Resp: 56069

Ion	Ratio	Lower	Upper
330	100		
332	91.0	76.9	115.3
141	25.8	20.2	30.4

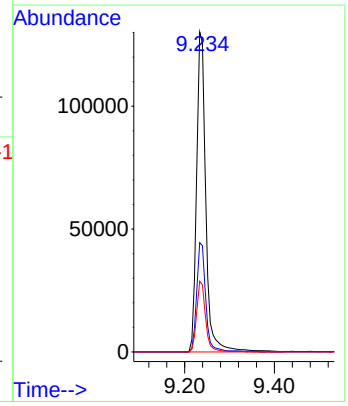


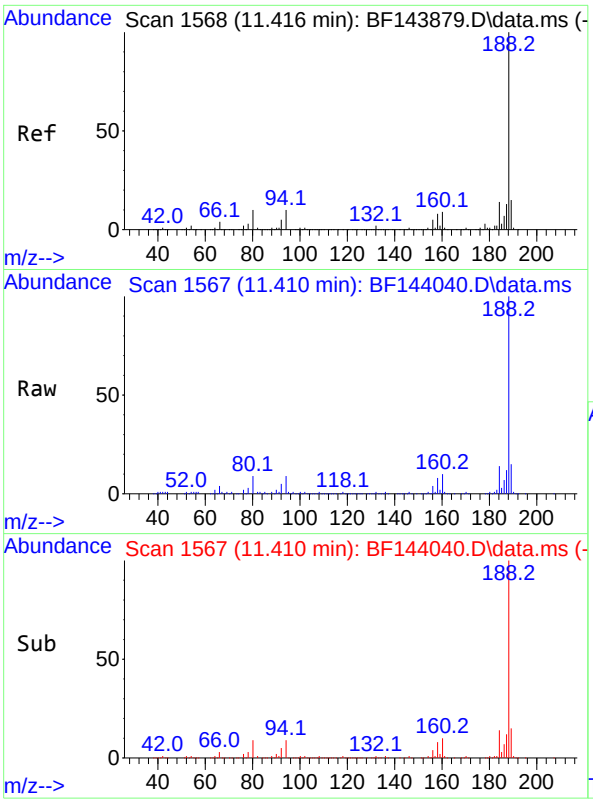


#45
2-Fluorobiphenyl
Concen: 22.804 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.017 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:172 Resp: 186509

Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	22.1	18.6	28.0



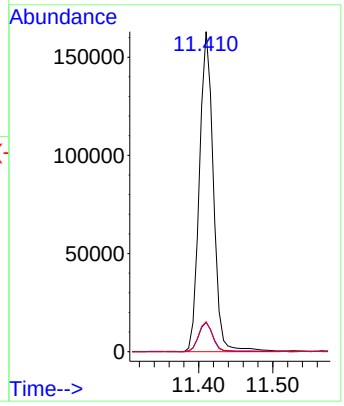


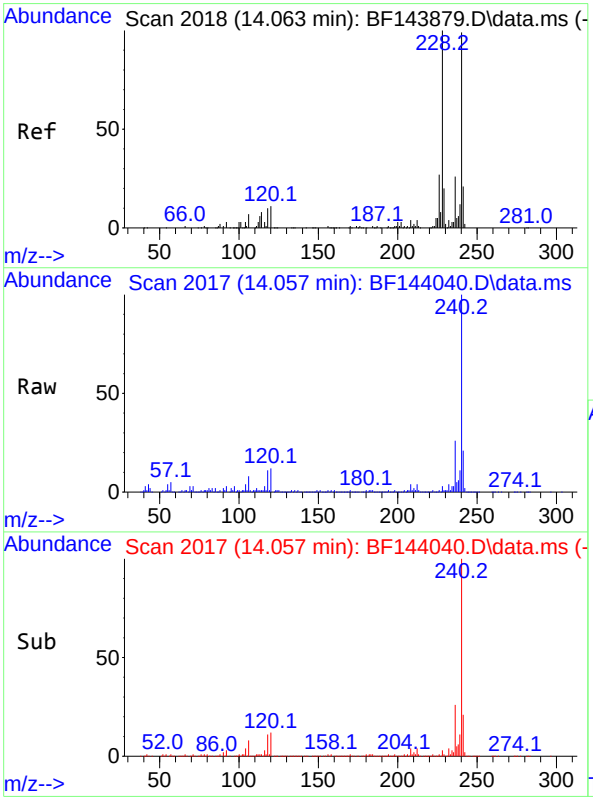
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Tgt Ion:188 Resp: 213175

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.8	11.6
80	9.3	7.9	11.9

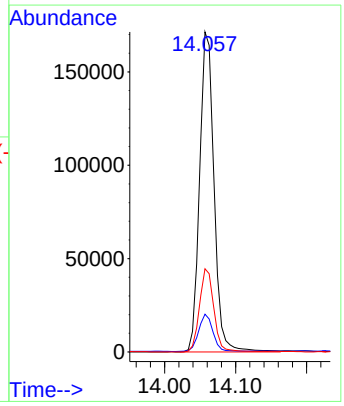


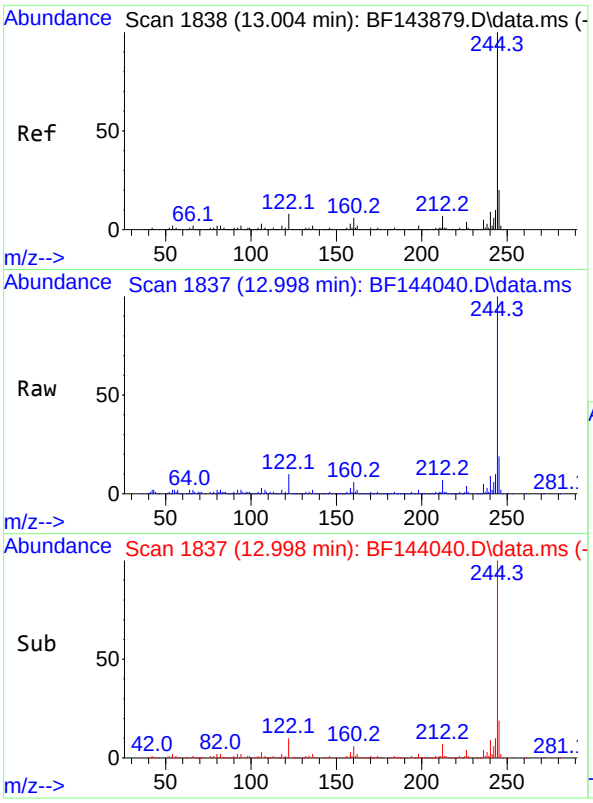


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:240 Resp: 243369

Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.6	13.0
236	26.0	21.1	31.7



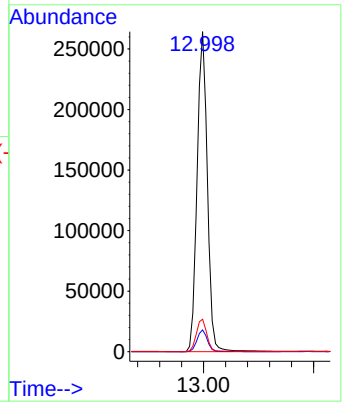


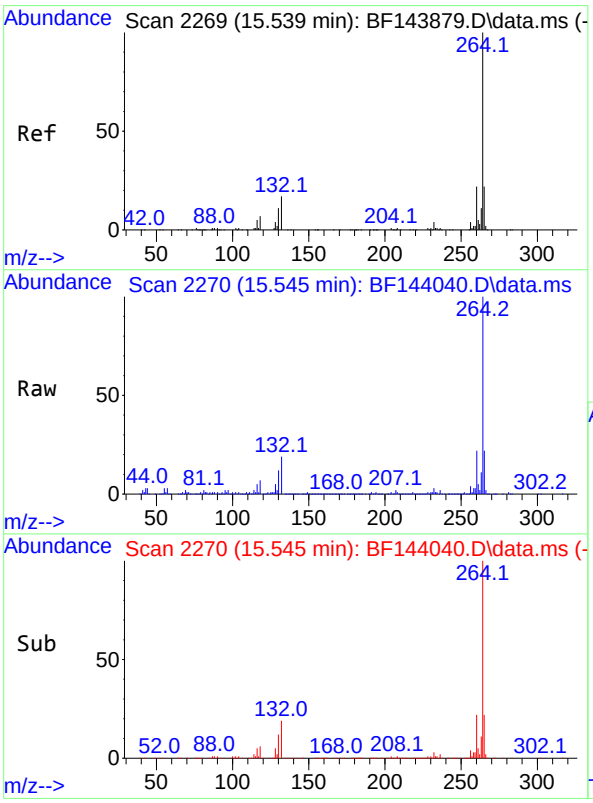
#79
Terphenyl-d14
Concen: 24.061 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

Tgt Ion:244 Resp: 342629

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	10.2	6.4	9.6#

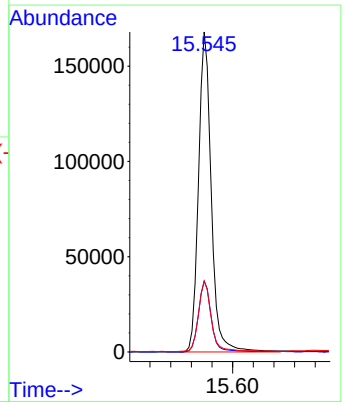




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144040.D
Acq: 22 Oct 2025 14:22

Tgt Ion:264 Resp: 287324

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.8	26.8
265	22.1	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

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: BF144040.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.493	556	561	578	rBV	367303	527514	60.16%	7.202%
2	6.504	727	733	750	rBV	347044	543947	62.04%	7.426%
3	6.787	776	781	788	rBV3	4911	8812	1.01%	0.120%
4	6.881	792	797	803	rVB	340489	422895	48.23%	5.773%
5	7.440	883	892	901	rBV	206807	292152	33.32%	3.989%
6	8.163	1010	1015	1022	rBV	379381	489954	55.88%	6.689%
7	8.216	1022	1024	1028	rVB2	10140	12614	1.44%	0.172%
8	8.451	1060	1064	1070	rVB6	5654	10737	1.22%	0.147%
9	8.581	1082	1086	1089	rBV	15632	20903	2.38%	0.285%
10	8.704	1103	1107	1111	rBV7	5150	8995	1.03%	0.123%
11	8.910	1135	1142	1144	rBV6	5139	8892	1.01%	0.121%
12	9.039	1160	1164	1166	rBV5	6303	9171	1.05%	0.125%
13	9.181	1185	1188	1193	rVB2	19971	24099	2.75%	0.329%
14	9.234	1193	1197	1207	rBV	353460	483679	55.16%	6.603%
15	9.316	1207	1211	1216	rVV3	10919	17530	2.00%	0.239%
16	9.634	1260	1265	1273	rBV3	37826	59789	6.82%	0.816%
17	9.786	1287	1291	1294	rBV3	11149	15396	1.76%	0.210%
18	9.828	1294	1298	1302	rVB3	14243	18993	2.17%	0.259%
19	9.916	1308	1313	1329	rVB	383243	540848	61.68%	7.384%
20	10.175	1353	1357	1365	rVB10	9393	17181	1.96%	0.235%
21	10.245	1365	1369	1373	rBV6	6174	11780	1.34%	0.161%
22	10.286	1373	1376	1379	rVV4	8056	9891	1.13%	0.135%
23	10.328	1380	1383	1388	rVB4	10932	14215	1.62%	0.194%
24	10.569	1419	1424	1430	rBV	26245	40848	4.66%	0.558%
25	10.633	1430	1435	1441	rBV	86755	119366	13.61%	1.630%
26	10.710	1443	1448	1459	rVV	265890	378576	43.18%	5.168%
27	10.833	1464	1469	1475	rVB	57567	83441	9.52%	1.139%
28	10.945	1484	1488	1491	rBV	18901	23767	2.71%	0.324%
29	11.298	1544	1548	1555	rVB	35139	52306	5.97%	0.714%
30	11.410	1562	1567	1578	rBV	388948	544916	62.15%	7.439%
31	11.651	1605	1608	1611	rBV2	12531	15348	1.75%	0.210%
32	11.939	1653	1657	1666	rBV5	31629	59373	6.77%	0.811%
33	12.627	1771	1774	1778	rBV	23900	28526	3.25%	0.389%
34	12.857	1810	1813	1820	rBV2	28965	45907	5.24%	0.627%
35	12.998	1832	1837	1845	rBV	669039	876793	100.00%	11.970%
36	14.057	2013	2017	2029	rVB	464064	687764	78.44%	9.389%

Sample Results: **BF144040.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

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	15.545	2265	2270	2290	rVB	439033	797928	91.01%	10.893%

Sum of corrected areas: 7324846

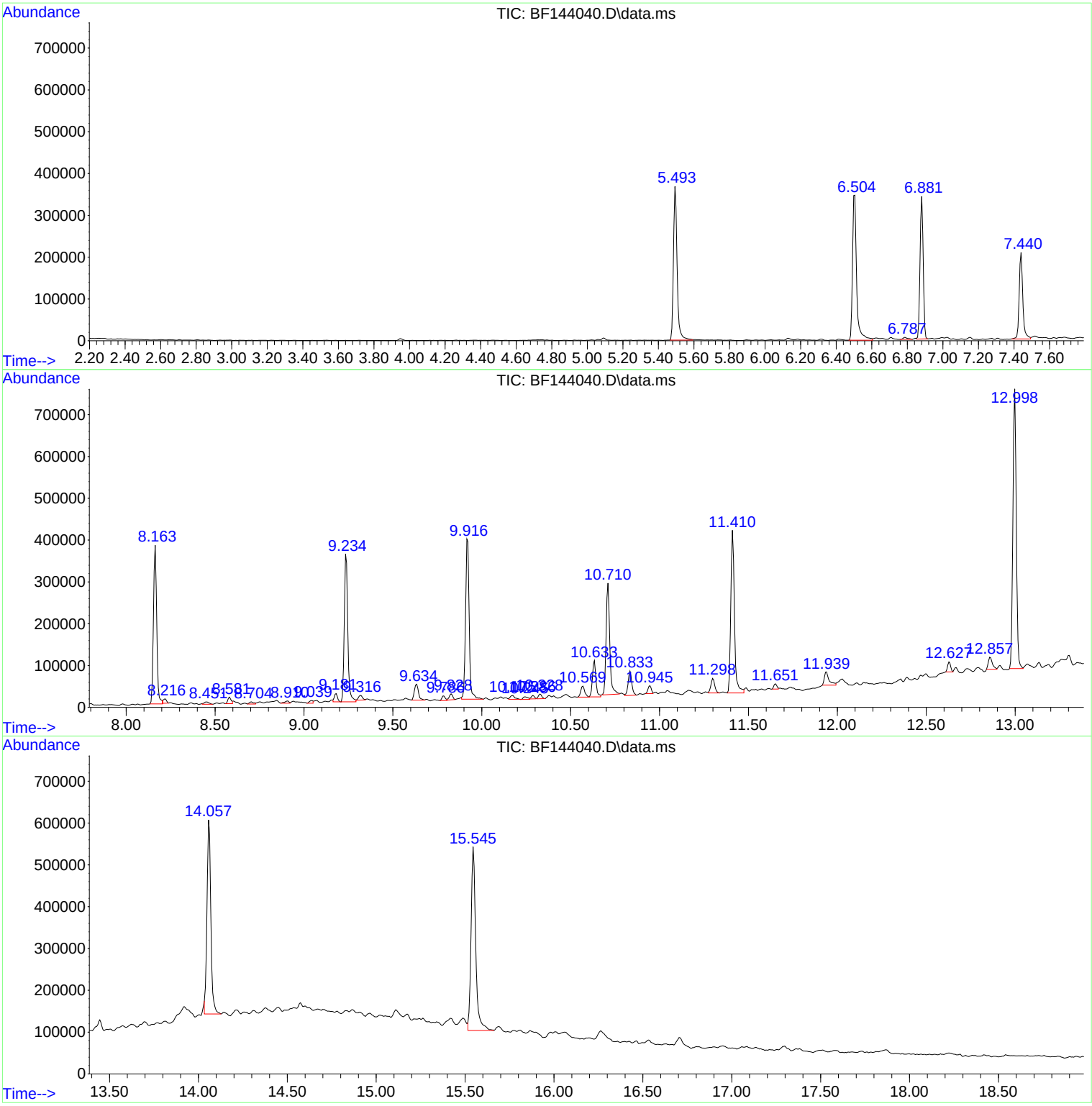
Sample Results: **BF144040.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

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\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

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

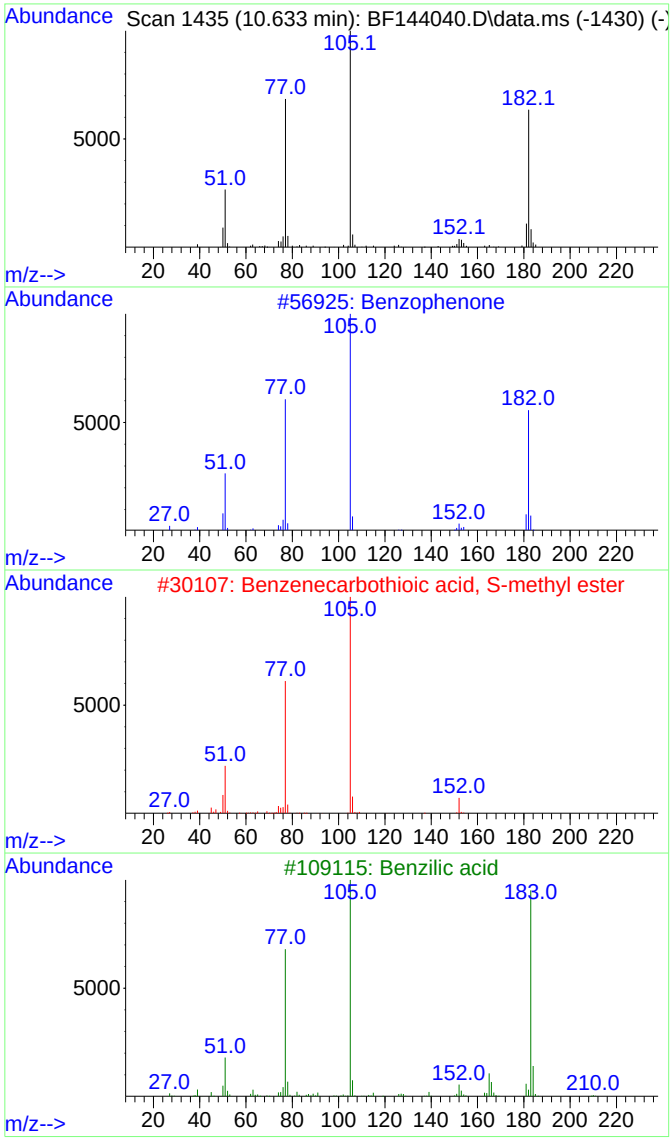
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

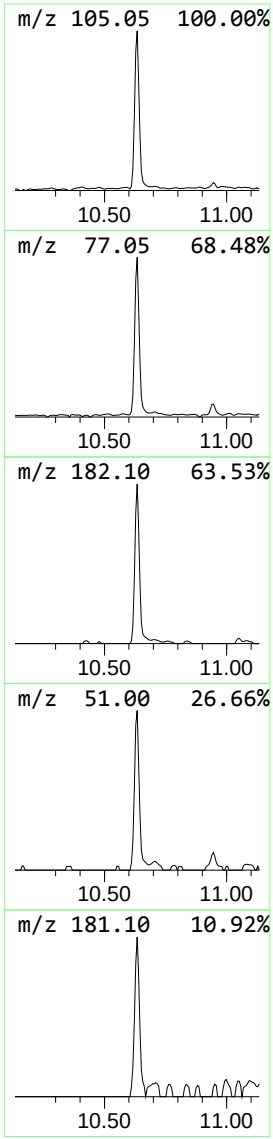
****

Peak Number 2 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.634	4.41 ng	119366	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	49
3	Benzilic acid	228	C14H12O3	000076-93-7	47
4	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	46
5	4-Acetylphenylbenzoate	240	C15H12O3	001523-18-8	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

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

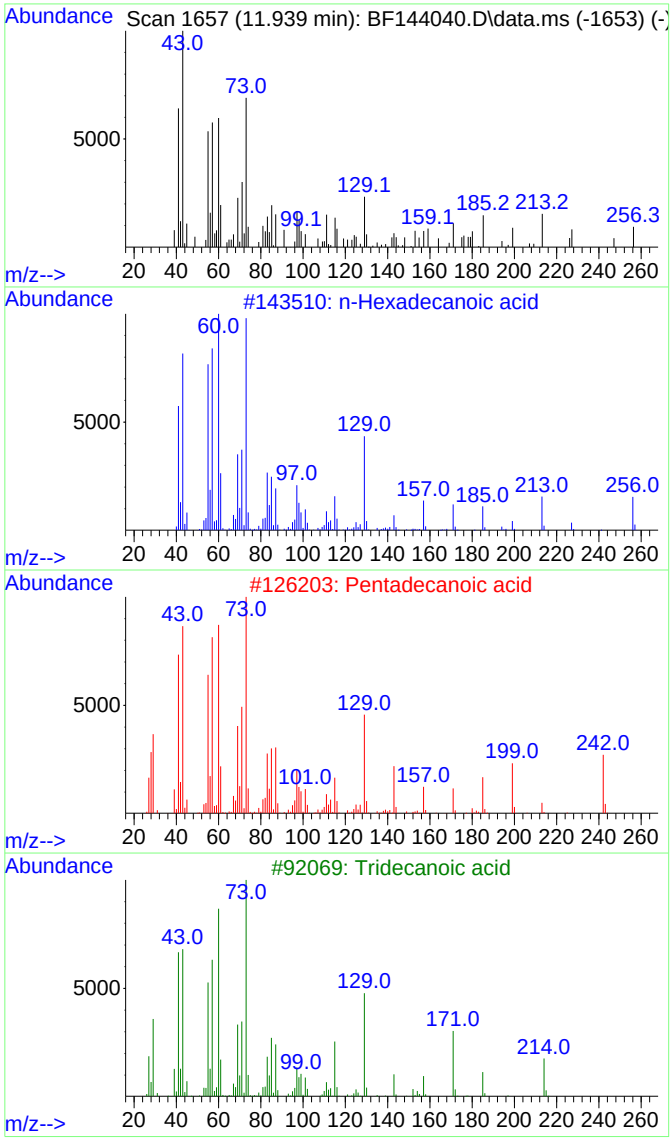
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

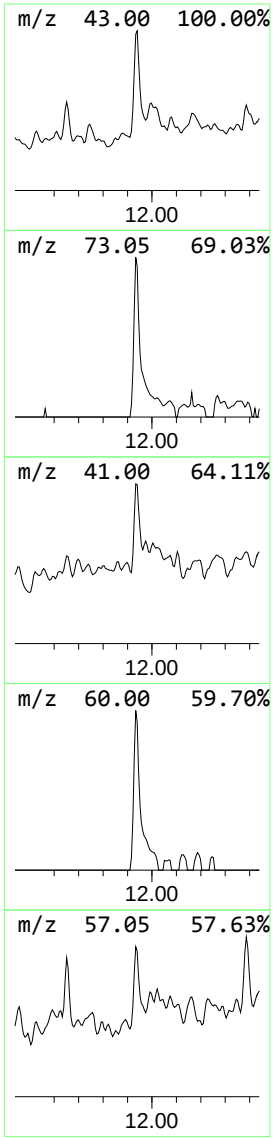
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	2.18 ng	59373	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	59
3	Tridecanoic acid	214	C13H26O2	000638-53-9	52
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
5	Dodecanoic acid	200	C12H24O2	000143-07-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144040.D
Acq On : 22 Oct 2025 14:22
Operator : RC/JU
Sample : Q3376-04
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PR132-S12-047072-20251016

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	10.634	4.4	ng	119366	3	9.922	540848	20.0
n-Hexadecanoic ...	11.939	2.2	ng	59373	4	11.410	544916	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	490	U	1	230	490	ug/Kg	10/28/25 19:57	PB170180
108-95-2	Phenol	250	U	1	33.1	250	ug/Kg	10/28/25 19:57	PB170180
111-44-4	bis(2-Chloroethyl)ether	250	U	1	36.4	250	ug/Kg	10/28/25 19:57	PB170180
95-57-8	2-Chlorophenol	250	U	1	36.5	250	ug/Kg	10/28/25 19:57	PB170180
95-48-7	2-Methylphenol	250	U	1	44.7	250	ug/Kg	10/28/25 19:57	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	250	U	1	56.1	250	ug/Kg	10/28/25 19:57	PB170180
98-86-2	Acetophenone	250	U	1	44.1	250	ug/Kg	10/28/25 19:57	PB170180
65794-96-9	3+4-Methylphenols	490	U	1	61.5	490	ug/Kg	10/28/25 19:57	PB170180
621-64-7	n-Nitroso-di-n-propylamine	120	U	1	70.9	120	ug/Kg	10/28/25 19:57	PB170180
67-72-1	Hexachloroethane	250	U	1	26.3	250	ug/Kg	10/28/25 19:57	PB170180
98-95-3	Nitrobenzene	250	U	1	27.4	250	ug/Kg	10/28/25 19:57	PB170180
78-59-1	Isophorone	250	U	1	49.1	250	ug/Kg	10/28/25 19:57	PB170180
88-75-5	2-Nitrophenol	250	U	1	87.1	250	ug/Kg	10/28/25 19:57	PB170180
105-67-9	2,4-Dimethylphenol	250	U	1	96.9	250	ug/Kg	10/28/25 19:57	PB170180
111-91-1	bis(2-Chloroethoxy)methane	250	U	1	46.1	250	ug/Kg	10/28/25 19:57	PB170180
120-83-2	2,4-Dichlorophenol	250	U	1	42.3	250	ug/Kg	10/28/25 19:57	PB170180
91-20-3	Naphthalene	250	U	1	34.0	250	ug/Kg	10/28/25 19:57	PB170180
106-47-8	4-Chloroaniline	250	U	1	53.0	250	ug/Kg	10/28/25 19:57	PB170180
87-68-3	Hexachlorobutadiene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
105-60-2	Caprolactam	490	U	1	77.9	490	ug/Kg	10/28/25 19:57	PB170180
59-50-7	4-Chloro-3-methylphenol	250	U	1	42.9	250	ug/Kg	10/28/25 19:57	PB170180
91-57-6	2-Methylnaphthalene	250	U	1	38.3	250	ug/Kg	10/28/25 19:57	PB170180
77-47-4	Hexachlorocyclopentadiene	490	U	1	170	490	ug/Kg	10/28/25 19:57	PB170180
88-06-2	2,4,6-Trichlorophenol	250	U	1	29.6	250	ug/Kg	10/28/25 19:57	PB170180
95-95-4	2,4,5-Trichlorophenol	250	U	1	43.5	250	ug/Kg	10/28/25 19:57	PB170180
92-52-4	1,1-Biphenyl	250	U	1	32.6	250	ug/Kg	10/28/25 19:57	PB170180
91-58-7	2-Chloronaphthalene	250	U	1	33.7	250	ug/Kg	10/28/25 19:57	PB170180
88-74-4	2-Nitroaniline	250	U	1	72.0	250	ug/Kg	10/28/25 19:57	PB170180
131-11-3	Dimethylphthalate	250	U	1	40.5	250	ug/Kg	10/28/25 19:57	PB170180
208-96-8	Acenaphthylene	250	U	1	43.2	250	ug/Kg	10/28/25 19:57	PB170180
606-20-2	2,6-Dinitrotoluene	250	UQ	1	50.3	250	ug/Kg	10/28/25 19:57	PB170180
99-09-2	3-Nitroaniline	250	U	1	68.8	250	ug/Kg	10/28/25 19:57	PB170180
83-32-9	Acenaphthene	250	U	1	31.9	250	ug/Kg	10/28/25 19:57	PB170180
51-28-5	2,4-Dinitrophenol	490	U	1	340	490	ug/Kg	10/28/25 19:57	PB170180
100-02-7	4-Nitrophenol	490	U	1	160	490	ug/Kg	10/28/25 19:57	PB170180
132-64-9	Dibenzofuran	250	U	1	34.0	250	ug/Kg	10/28/25 19:57	PB170180
121-14-2	2,4-Dinitrotoluene	250	U	1	75.0	250	ug/Kg	10/28/25 19:57	PB170180
84-66-2	Diethylphthalate	250	U	1	42.3	250	ug/Kg	10/28/25 19:57	PB170180
7005-72-3	4-Chlorophenyl-phenylether	250	U	1	39.9	250	ug/Kg	10/28/25 19:57	PB170180
86-73-7	Fluorene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
100-01-6	4-Nitroaniline	250	U	1	96.0	250	ug/Kg	10/28/25 19:57	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	490	U	1	150	490	ug/Kg	10/28/25 19:57	PB170180

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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	250	U	1	49.2	250	ug/Kg	10/28/25 19:57	PB170180
101-55-3	4-Bromophenyl-phenylether	250	U	1	41.6	250	ug/Kg	10/28/25 19:57	PB170180
118-74-1	Hexachlorobenzene	250	U	1	37.8	250	ug/Kg	10/28/25 19:57	PB170180
1912-24-9	Atrazine	250	U	1	50.9	250	ug/Kg	10/28/25 19:57	PB170180
87-86-5	Pentachlorophenol	490	U	1	76.7	490	ug/Kg	10/28/25 19:57	PB170180
85-01-8	Phenanthrene	250	U	1	31.3	250	ug/Kg	10/28/25 19:57	PB170180
120-12-7	Anthracene	250	U	1	49.8	250	ug/Kg	10/28/25 19:57	PB170180
86-74-8	Carbazole	250	U	1	46.7	250	ug/Kg	10/28/25 19:57	PB170180
84-74-2	Di-n-butylphthalate	250	U	1	71.7	250	ug/Kg	10/28/25 19:57	PB170180
206-44-0	Fluoranthene	250	U	1	44.9	250	ug/Kg	10/28/25 19:57	PB170180
129-00-0	Pyrene	250	U	1	53.9	250	ug/Kg	10/28/25 19:57	PB170180
85-68-7	Butylbenzylphthalate	250	U	1	110	250	ug/Kg	10/28/25 19:57	PB170180
91-94-1	3,3-Dichlorobenzidine	490	U	1	54.9	490	ug/Kg	10/28/25 19:57	PB170180
56-55-3	Benzo(a)anthracene	250	U	1	34.4	250	ug/Kg	10/28/25 19:57	PB170180
218-01-9	Chrysene	250	U	1	29.8	250	ug/Kg	10/28/25 19:57	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	190	J	1	88.6	250	ug/Kg	10/28/25 19:57	PB170180
117-84-0	Di-n-octyl phthalate	490	U	1	130	490	ug/Kg	10/28/25 19:57	PB170180
205-99-2	Benzo(b)fluoranthene	250	U	1	28.4	250	ug/Kg	10/28/25 19:57	PB170180
207-08-9	Benzo(k)fluoranthene	250	U	1	33.5	250	ug/Kg	10/28/25 19:57	PB170180
50-32-8	Benzo(a)pyrene	250	U	1	44.1	250	ug/Kg	10/28/25 19:57	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	250	UQ	1	43.5	250	ug/Kg	10/28/25 19:57	PB170180
53-70-3	Dibenzo(a,h)anthracene	250	U	1	41.0	250	ug/Kg	10/28/25 19:57	PB170180
191-24-2	Benzo(g,h,i)perylene	250	UQ	1	38.4	250	ug/Kg	10/28/25 19:57	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	250	U	1	38.3	250	ug/Kg	10/28/25 19:57	PB170180
123-91-1	1,4-Dioxane	250	U	1	67.6	250	ug/Kg	10/28/25 19:57	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	250	U	1	41.0	250	ug/Kg	10/28/25 19:57	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	55.4			18 - 112	37%	SPK: 150		
13127-88-3	Phenol-d6	49.1			15 - 107	33%	SPK: 150		
4165-60-0	Nitrobenzene-d5	34.5			18 - 107	35%	SPK: 100		
321-60-8	2-Fluorobiphenyl	29.4			20 - 109	29%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	94.4			10 - 116	63%	SPK: 150		
1718-51-0	Terphenyl-d14	50.5			10 - 105	50%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	37200							
1146-65-2	Naphthalene-d8	140000							
15067-26-2	Acenaphthene-d10	107000							
1517-22-2	Phenanthrene-d10	250000							
1719-03-5	Chrysene-d12	292000							
1520-96-3	Perylene-d12	320000							
TENTATIVE IDENTIFIED COMPOUNDS									
000119-61-9	Benzophenone	370	J			16.2	ug/Kg		
000057-10-3	n-Hexadecanoic acid	560	J			18.5	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:	10/16/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/16/25
Client Sample ID:	PR132-S12-020047-20251016	SDG No.:	Q3376
Lab Sample ID:	Q3376-05	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	66.8
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
000629-73-2	Cetene	130	J			19.3	ug/Kg		
000112-88-9	1-Octadecene	150	J			20.4	ug/Kg		
000297-03-0	Cyclotetracosane	330	J			21.5	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\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Quant Time: Oct 29 00:58:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

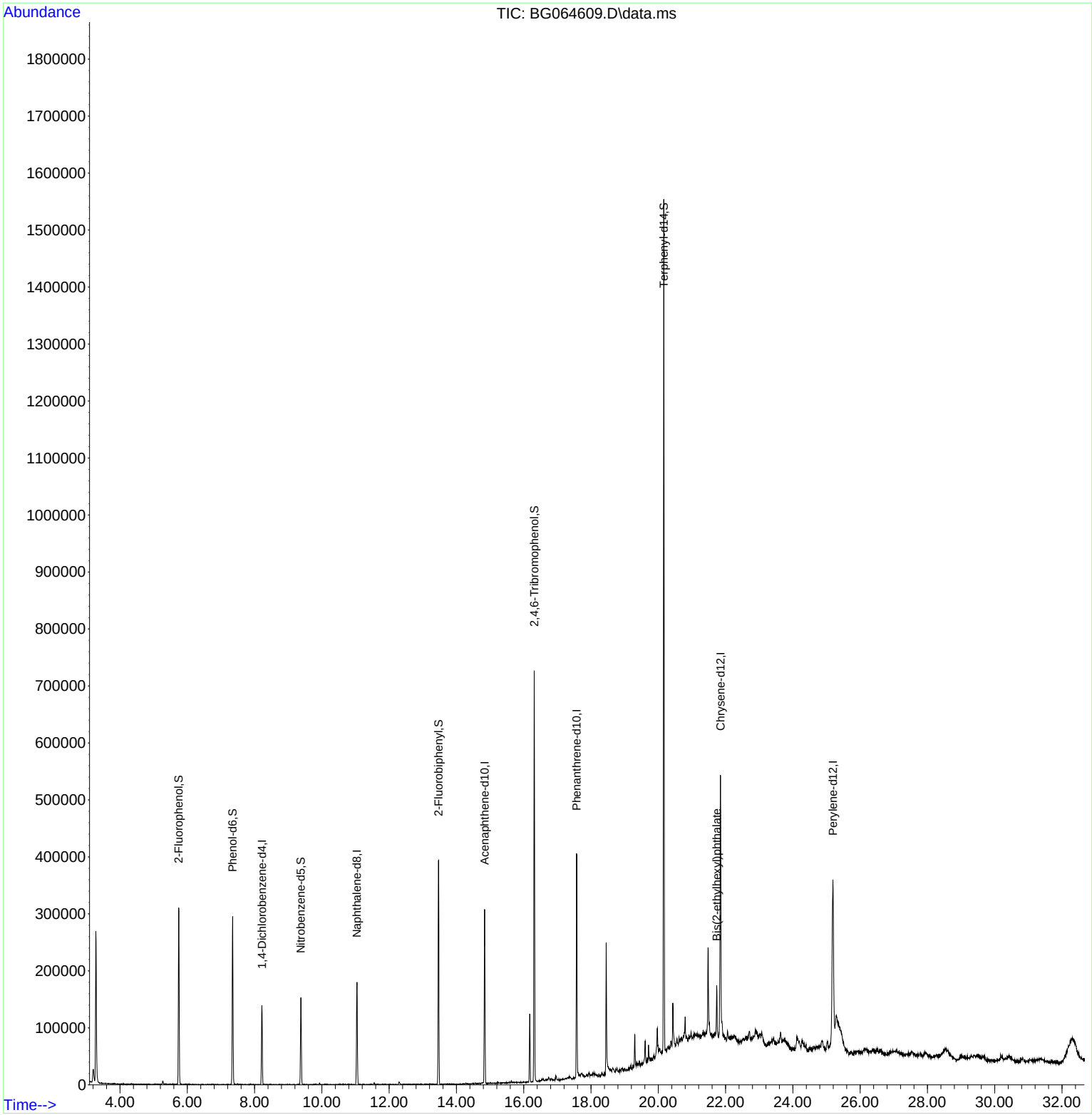
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	37243	20.000	ng	0.00
21) Naphthalene-d8	11.043	136	140181	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	106965	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	249913	20.000	ng	0.00
76) Chrysene-d12	21.848	240	291786	20.000	ng	-0.02
86) Perylene-d12	25.191	264	320360	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	122857	55.370	ng	0.00
7) Phenol-d6	7.347	99	149591	49.132	ng	0.00
23) Nitrobenzene-d5	9.374	82	80593	34.531	ng	-0.02
42) 2,4,6-Tribromophenol	16.313	330	145693	94.371	ng	0.00
45) 2-Fluorobiphenyl	13.464	172	207732	29.437	ng	-0.02
79) Terphenyl-d14	20.162	244	780618	50.488	ng	-0.02
Target Compounds						Qvalue
84) Bis(2-ethylhexyl)phtha...	21.736	149	31971	3.713	ng	99

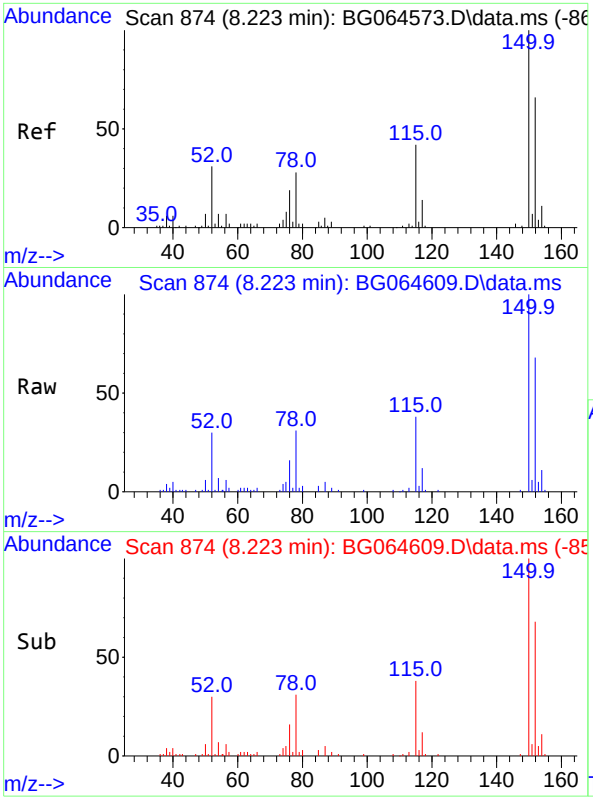
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Quant Time: Oct 29 00:58:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



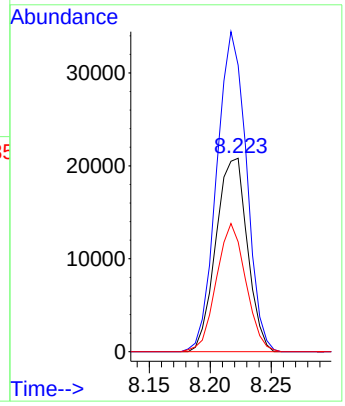


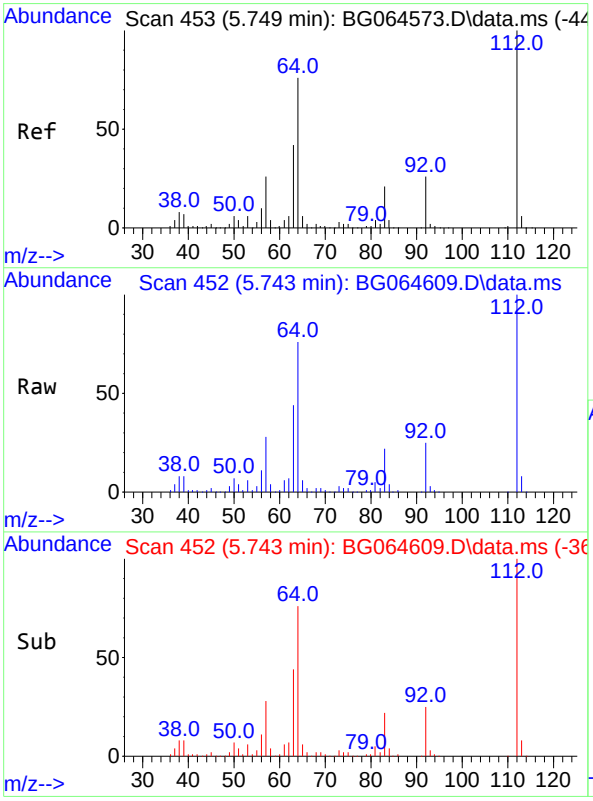
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:152 Resp: 37243

Ion	Ratio	Lower	Upper
152	100		
150	148.1	122.2	183.4
115	56.7	50.8	76.2

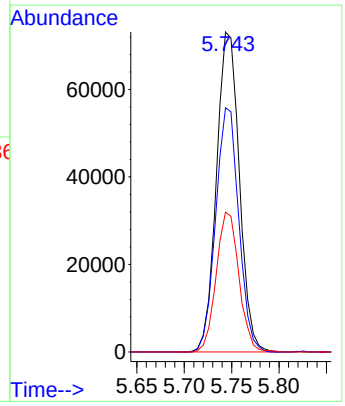


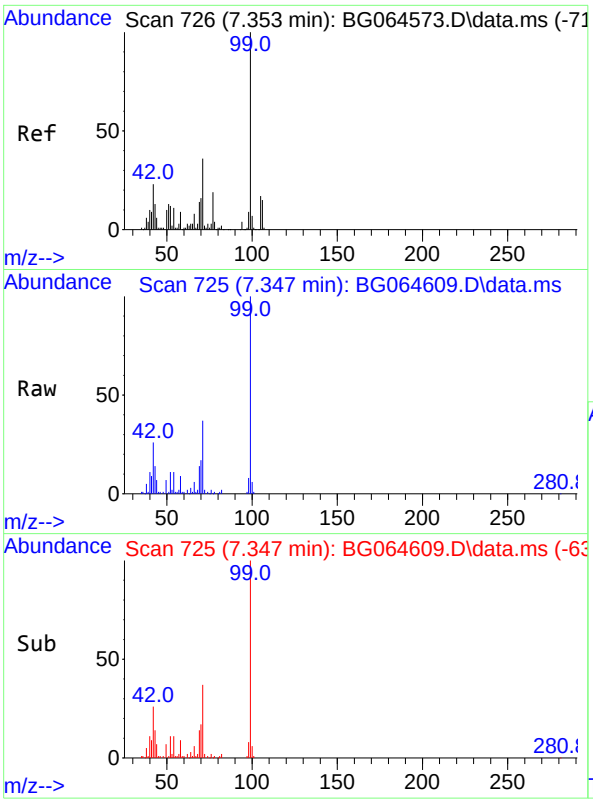


#5
2-Fluorophenol
Concen: 55.370 ng
RT: 5.743 min Scan# 452
Delta R.T. -0.003 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:112 Resp: 122857

Ion	Ratio	Lower	Upper
112	100		
64	76.3	60.7	91.1
63	43.7	33.4	50.0



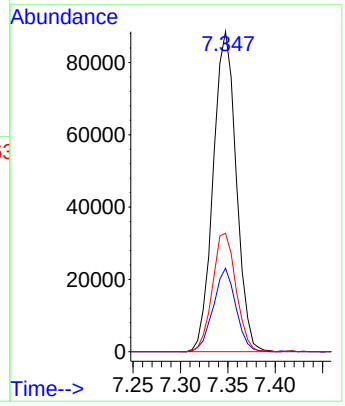


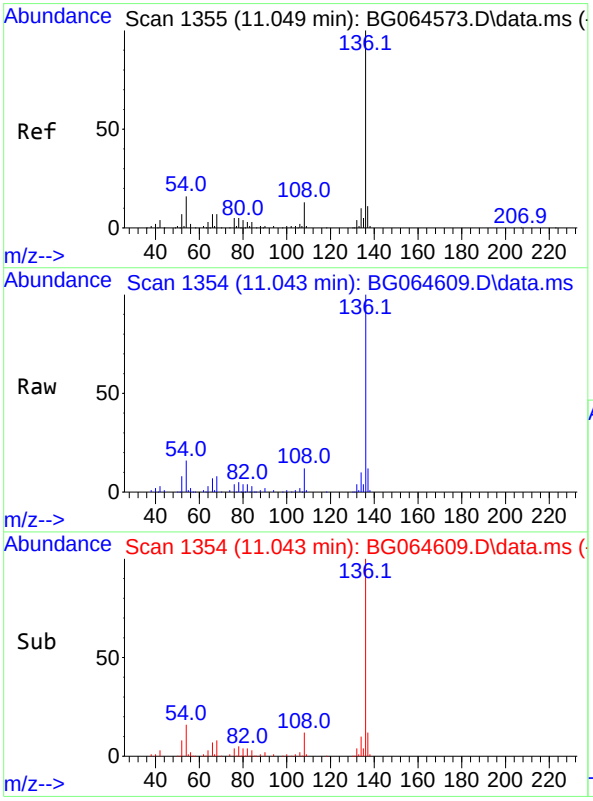
#7
Phenol-d6
Concen: 49.132 ng
RT: 7.347 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 99 Resp: 149591

Ion	Ratio	Lower	Upper
99	100		
42	26.1	18.3	27.5
71	37.0	28.6	43.0

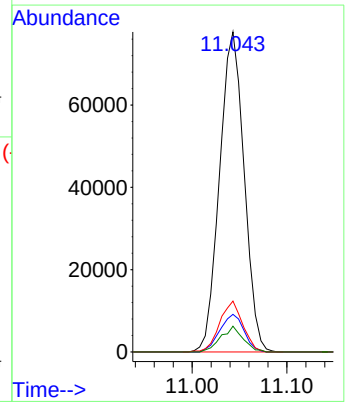


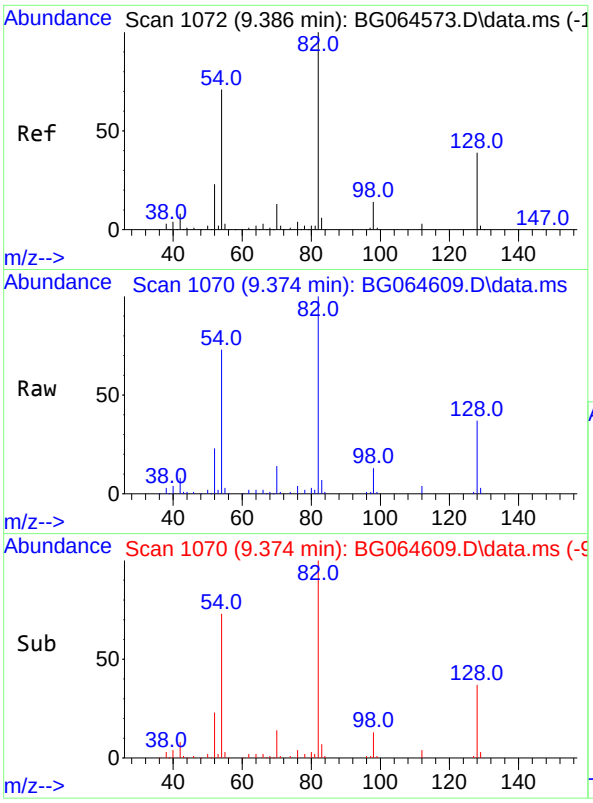


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.043 min Scan# 1354
Delta R.T. -0.009 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:136 Resp: 140181

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	15.9	12.6	19.0
68	8.0	5.7	8.5



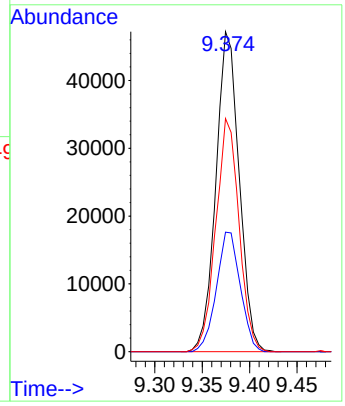


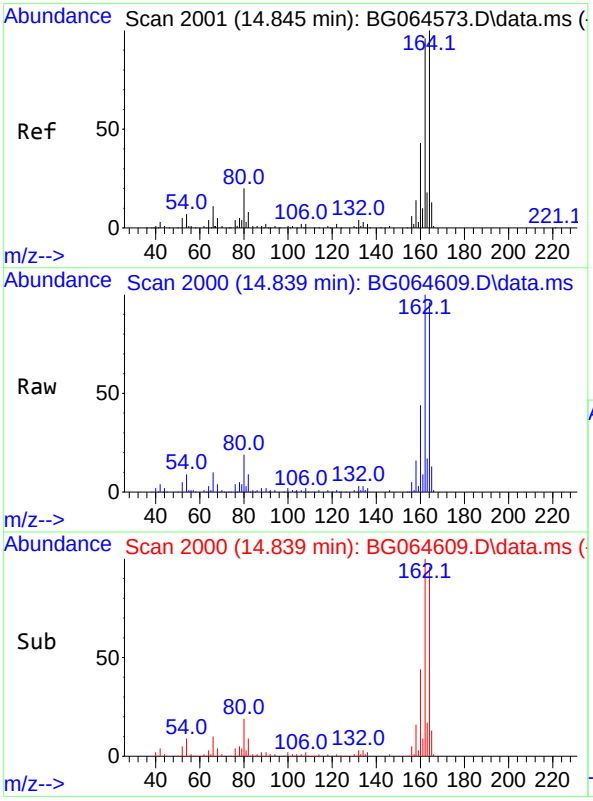
#23
Nitrobenzene-d5
Concen: 34.531 ng
RT: 9.374 min Scan# 1
Delta R.T. -0.016 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion: 82 Resp: 80593

Ion	Ratio	Lower	Upper
82	100		
128	37.4	31.3	46.9
54	72.9	56.6	84.8

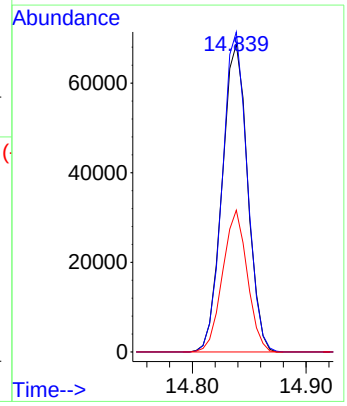


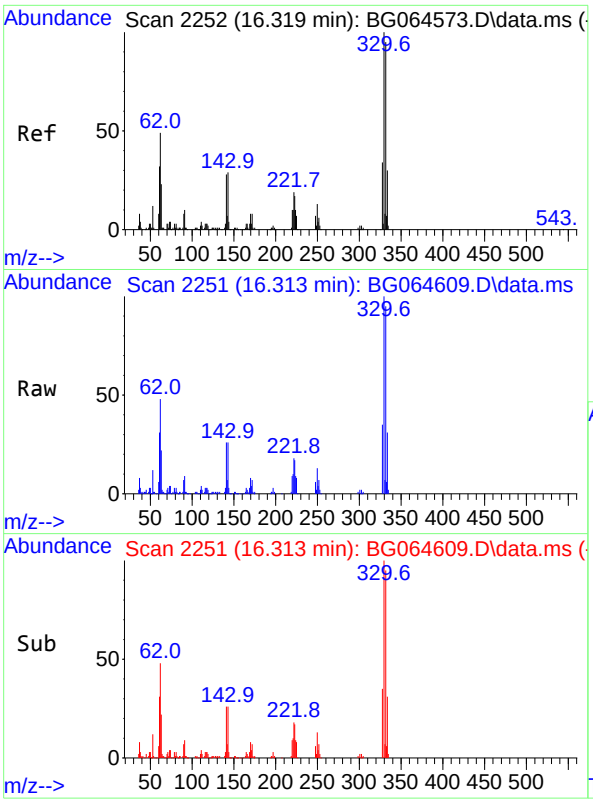


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2000
Delta R.T. -0.004 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:164 Resp: 106965

Ion	Ratio	Lower	Upper
164	100		
162	103.9	77.0	115.6
160	46.1	34.4	51.6



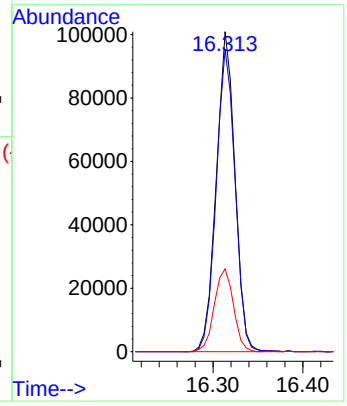


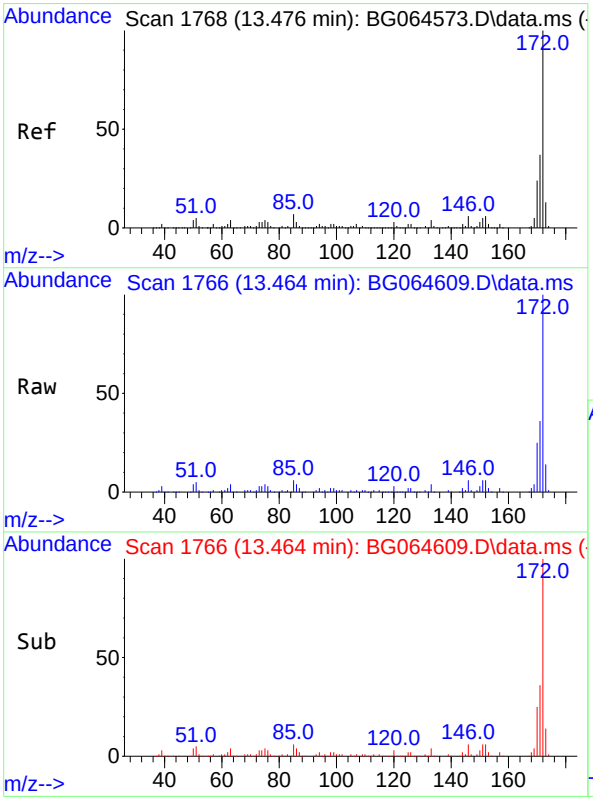
#42
2,4,6-Tribromophenol
Concen: 94.371 ng
RT: 16.313 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:330 Resp: 145693

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.0	117.0
141	26.5	21.8	32.6

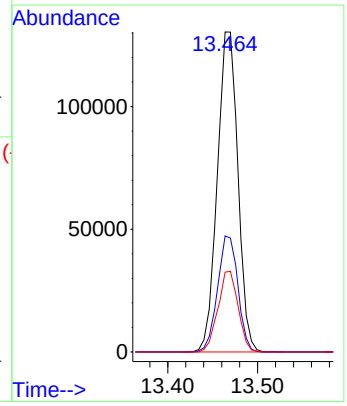


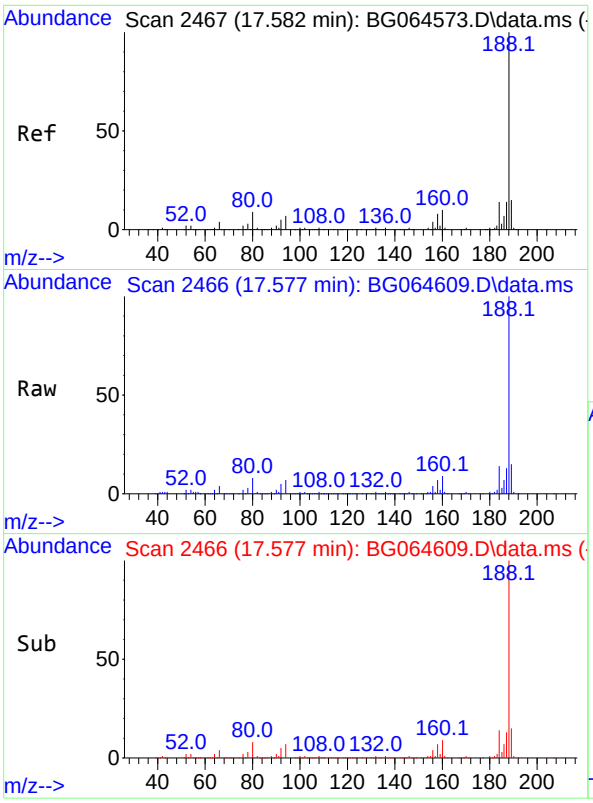


#45
2-Fluorobiphenyl
Concen: 29.437 ng
RT: 13.464 min Scan# 1766
Delta R.T. -0.015 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:172 Resp: 207732

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	25.0	19.1	28.7



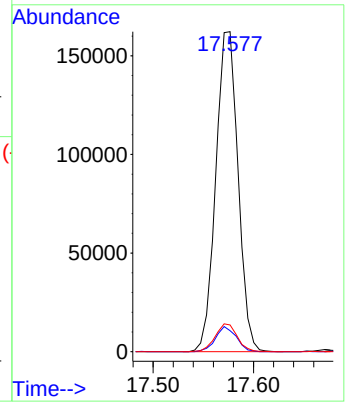


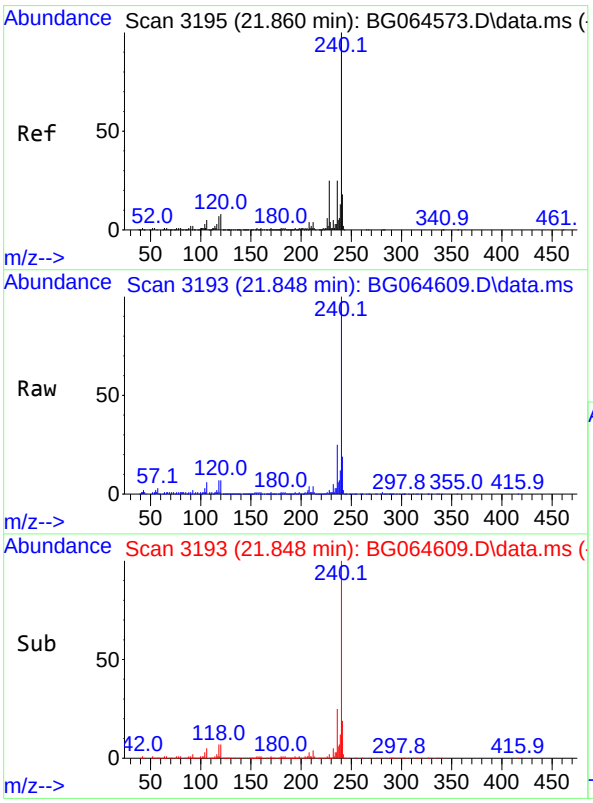
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:188 Resp: 249913

Ion	Ratio	Lower	Upper
188	100		
94	6.5	5.7	8.5
80	8.4	6.8	10.2

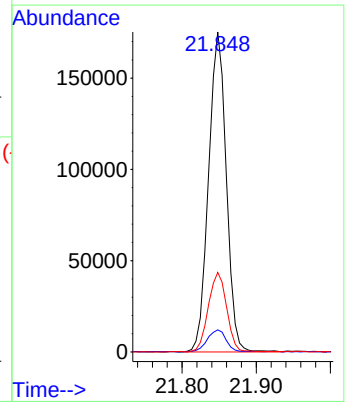


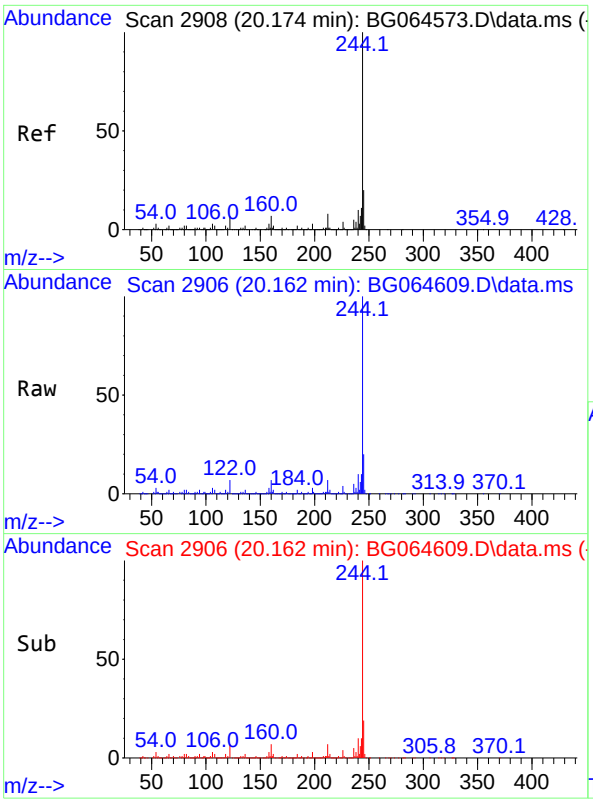


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.848 min Scan# 3193
Delta R.T. -0.015 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:240 Resp: 291786

Ion	Ratio	Lower	Upper
240	100		
120	6.9	6.5	9.7
236	24.9	20.2	30.2



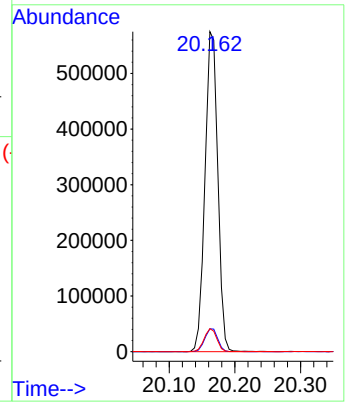


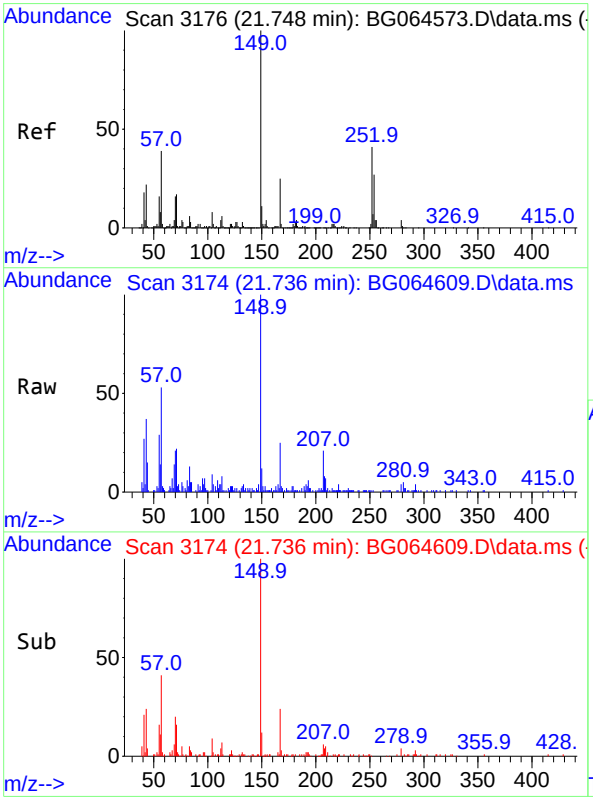
#79
Terphenyl-d14
Concen: 50.488 ng
RT: 20.162 min Scan# 2
Delta R.T. -0.015 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:244 Resp: 780618

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	7.2	5.6	8.4

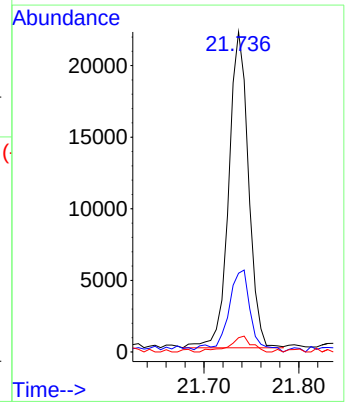


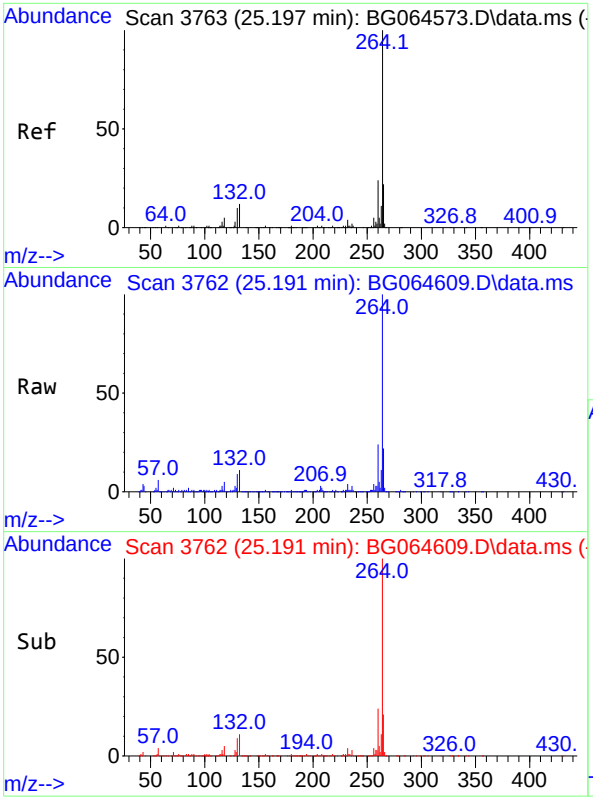


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.713 ng
RT: 21.736 min Scan# 3174
Delta R.T. -0.015 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Tgt Ion:149 Resp: 31971

Ion	Ratio	Lower	Upper
149	100		
167	24.6	20.0	30.0
279	4.5	3.1	4.7



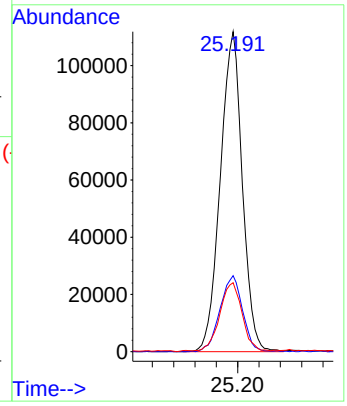


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.191 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064609.D
Acq: 28 Oct 2025 19:57

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Tgt Ion:264 Resp: 320360

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.4
265	21.6	17.6	26.4



Sample Results: **BG064609.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

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-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064609.D\data.ms

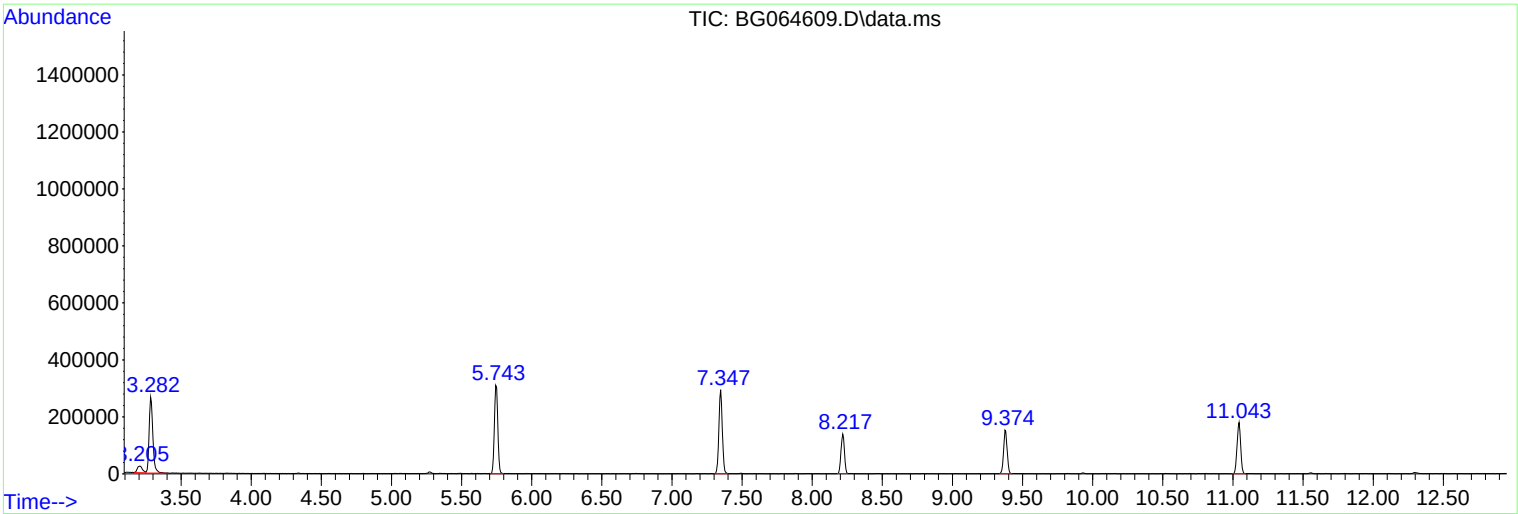
peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.205	13	20	27	rBV4	22776	58529	2.92%	0.581%
2	3.282	27	33	51	rVB	266921	486825	24.28%	4.830%
3	5.743	445	452	462	rVB	309905	519323	25.90%	5.153%
4	7.347	717	725	734	rBV	294929	501682	25.02%	4.978%
5	8.217	866	873	879	rVB	138166	234909	11.72%	2.331%
6	9.374	1063	1070	1079	rBV	152491	266690	13.30%	2.646%
7	11.043	1345	1354	1362	rBV	179726	321398	16.03%	3.189%
8	13.470	1759	1767	1773	rBV	393606	620100	30.93%	6.153%
9	14.839	1993	2000	2006	rVB	305400	467842	23.33%	4.642%
10	16.178	2222	2228	2236	rBV	120225	174390	8.70%	1.730%
11	16.313	2244	2251	2262	rBV	721752	1074399	53.59%	10.660%
12	17.571	2459	2465	2471	rBV2	394174	622200	31.03%	6.173%
13	18.452	2610	2615	2626	rBV	231059	347094	17.31%	3.444%
14	19.298	2755	2759	2766	rBV3	57222	81875	4.08%	0.812%
15	19.610	2808	2812	2818	rVB	38455	59560	2.97%	0.591%
16	19.709	2827	2829	2835	rBV5	25822	27661	1.38%	0.274%
17	19.974	2870	2874	2879	rVB	41806	63010	3.14%	0.625%
18	20.162	2901	2906	2912	rVB	1492722	2004906	100.00%	19.893%
19	20.432	2948	2952	2961	rBV2	75808	121259	6.05%	1.203%
20	20.796	3012	3014	3018	rVB2	37695	41243	2.06%	0.409%
21	21.478	3126	3130	3142	rVB	153428	270836	13.51%	2.687%
22	21.736	3170	3174	3182	rVB2	91413	137904	6.88%	1.368%
23	21.848	3186	3193	3199	rBV2	453665	810779	40.44%	8.045%
24	25.191	3753	3762	3772	rBV	270742	764195	38.12%	7.582%

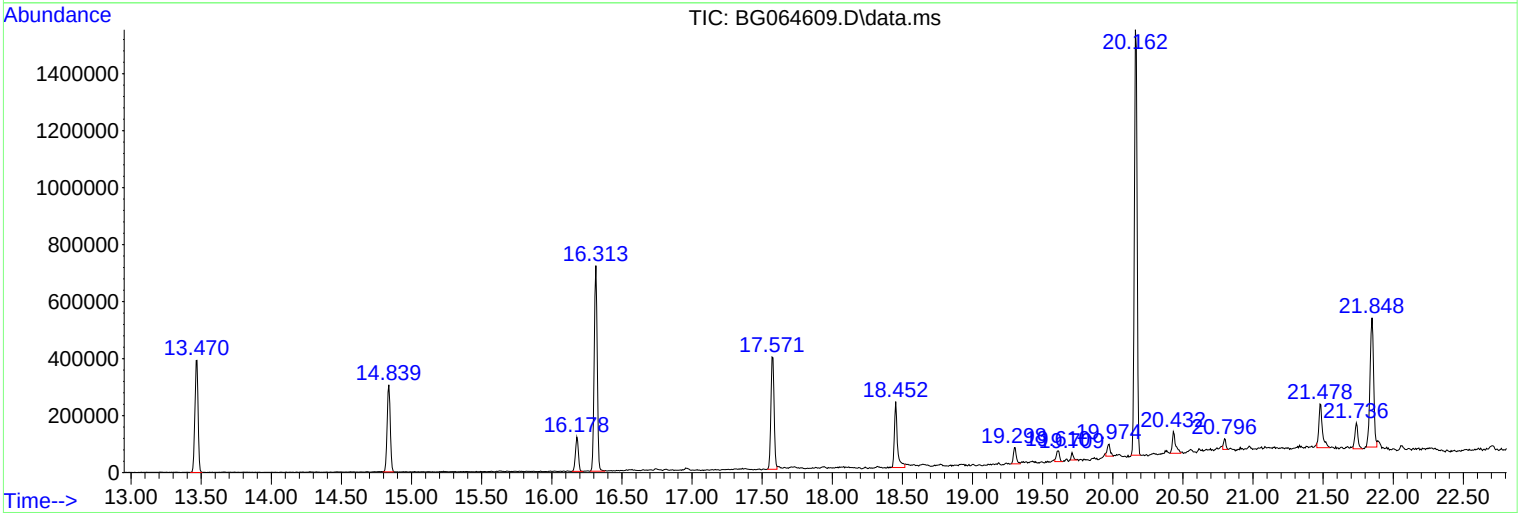
Sum of corrected areas: 10078609

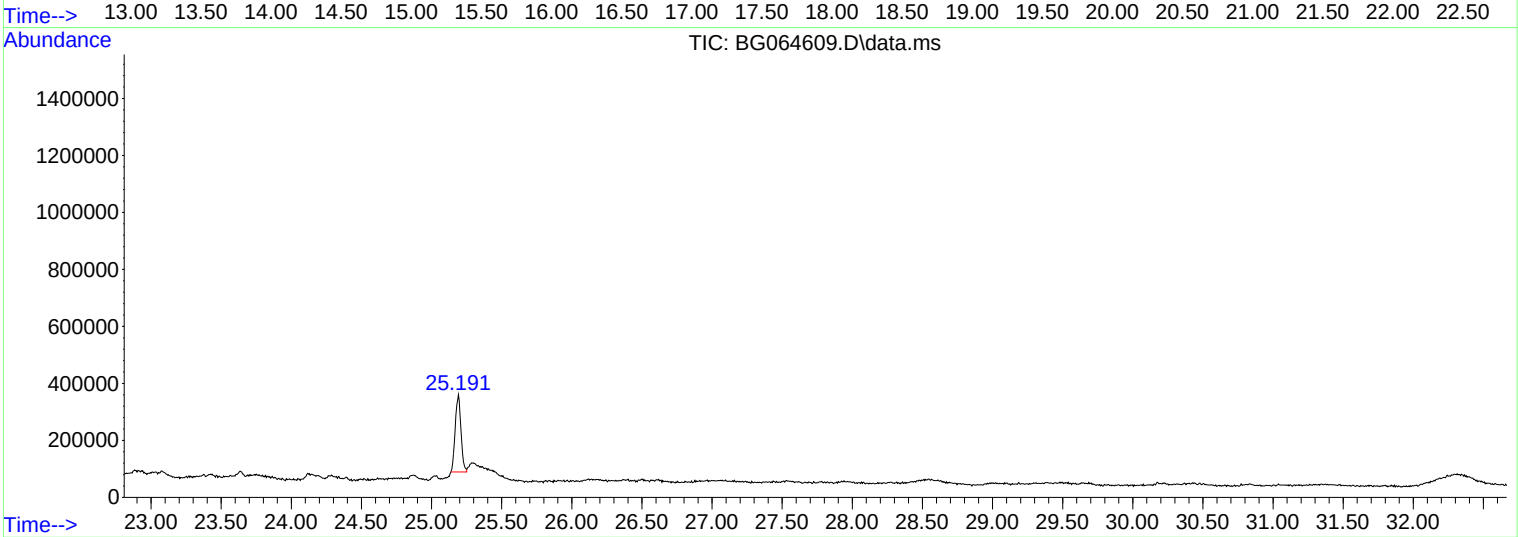
Sample Results: **BG064609.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On    : 28 Oct 2025  19:57
Operator  : RC/JU
Sample    : Q3376-05
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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-S12-020047-20251016







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

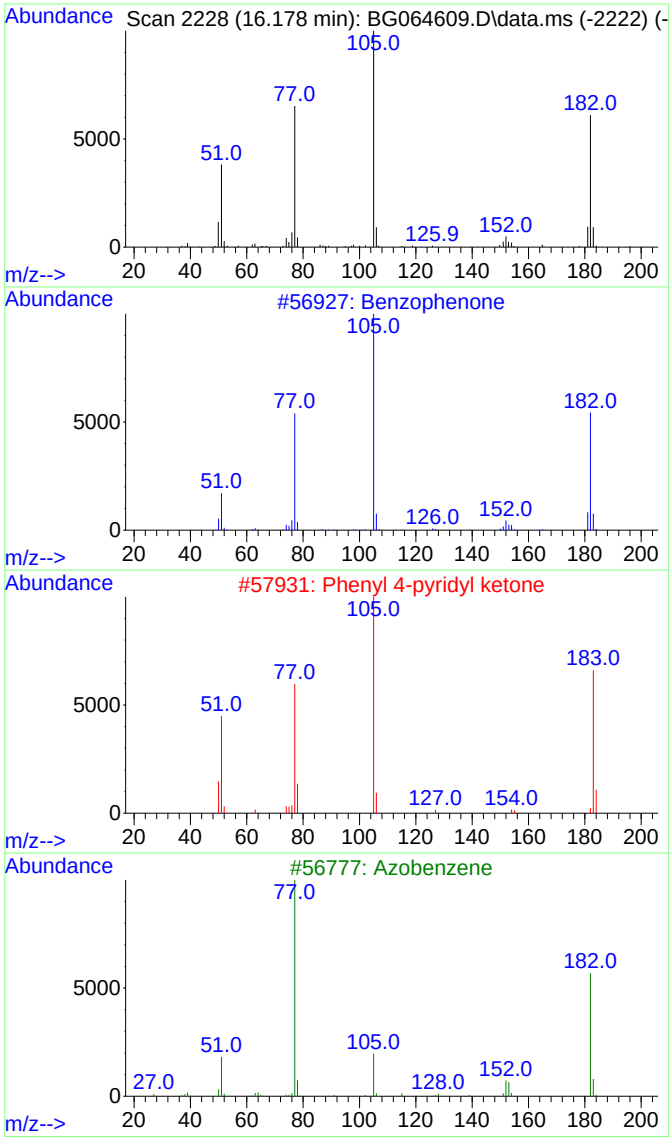
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

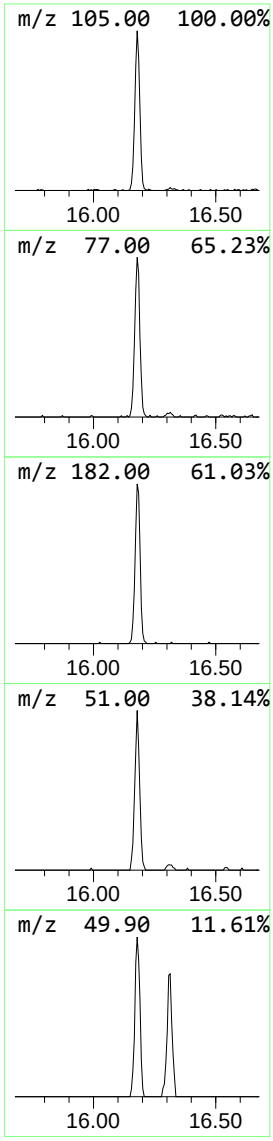
****

Peak Number 3 Benzophenone Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.178	7.46 ng	174390	Acenaphthene-d10	14.839

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	Azobenzene	182	C12H10N2	000103-33-3	52
4	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	50
5	Benzeneacetic acid, .alpha.-oxo-...	164	C9H8O3	015206-55-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

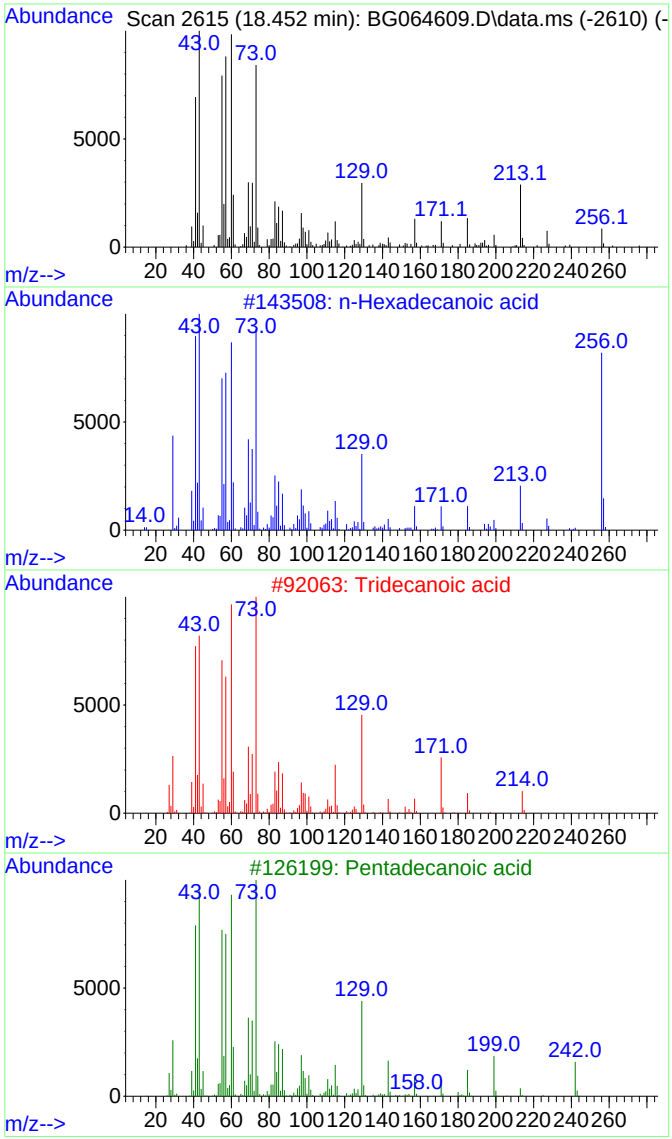
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

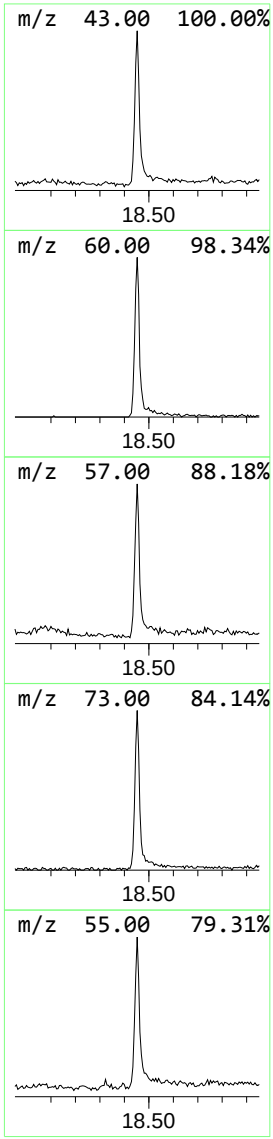
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.452	11.16 ng	347094	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	68
4	Undecanoic acid	186	C11H22O2	000112-37-8	50
5	Dodecanoic acid	200	C12H24O2	000143-07-7	50





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On    : 28 Oct 2025  19:57
Operator  : RC/JU
Sample    : Q3376-05
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

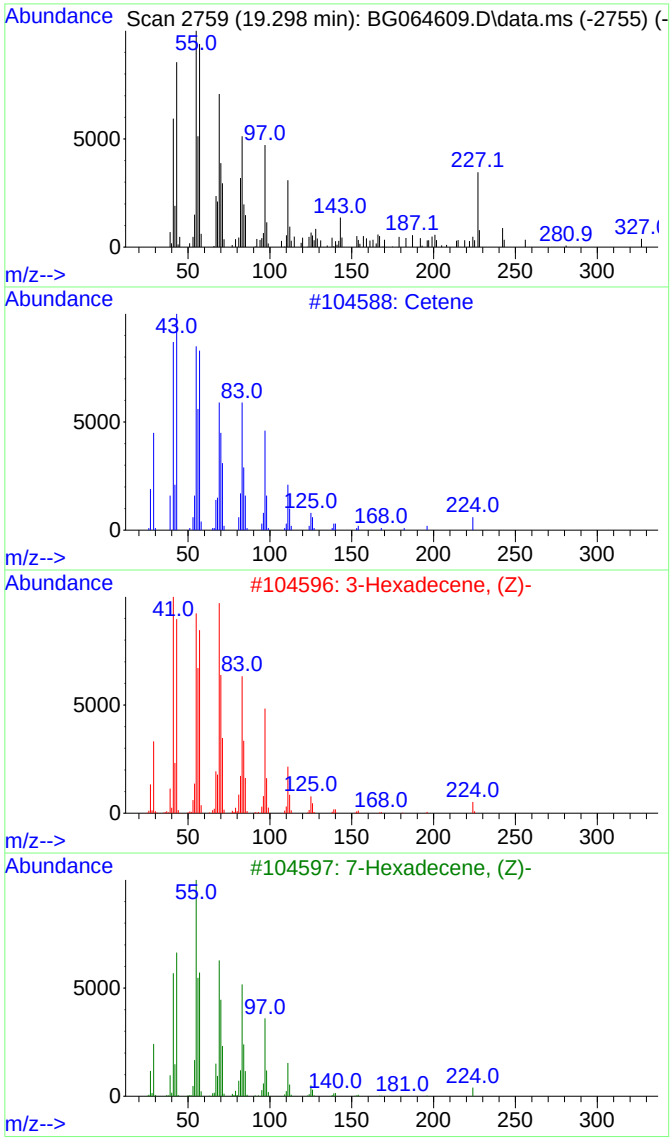
Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

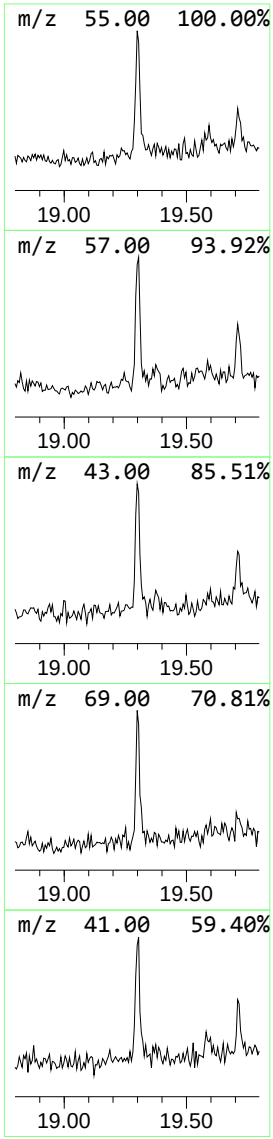
****

Peak Number 5 Cetene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.298	2.63 ng	81875	Phenanthrene-d10	17.577

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cetene	224	C16H32	000629-73-2	97
2	3-Hexadecene, (Z)-	224	C16H32	034303-81-6	96
3	7-Hexadecene, (Z)-	224	C16H32	035507-09-6	93
4	Cyclohexadecane	224	C16H32	000295-65-8	86
5	Z-8-Hexadecene	224	C16H32	1000130-87-5	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

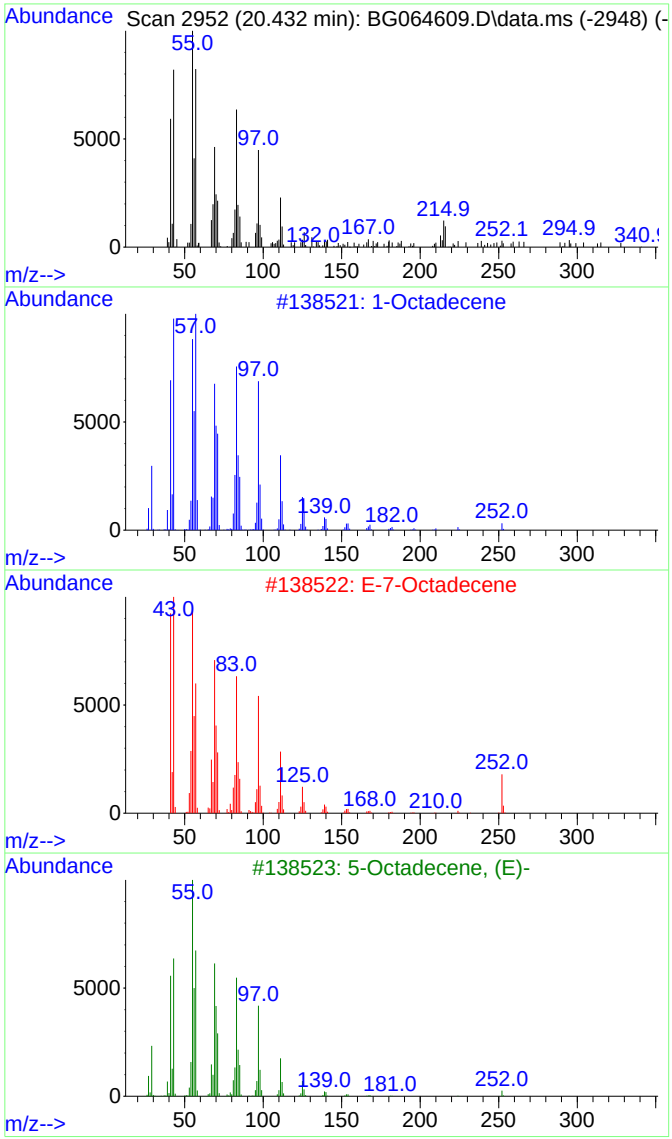
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

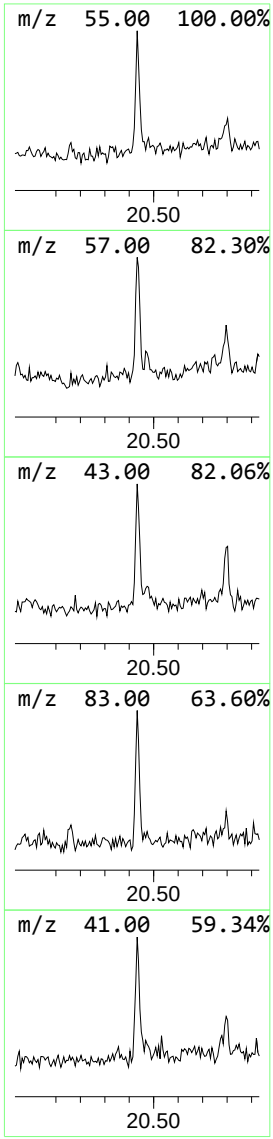
****

Peak Number 6 1-Octadecene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.432	2.99 ng	121259	Chrysene-d12	21.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octadecene	252	C18H36	000112-88-9	92
2	E-7-Octadecene	252	C18H36	1000130-92-0	91
3	5-Octadecene, (E)-	252	C18H36	007206-21-5	91
4	1-Nonadecene	266	C19H38	018435-45-5	90
5	Cyclohexadecane	224	C16H32	000295-65-8	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

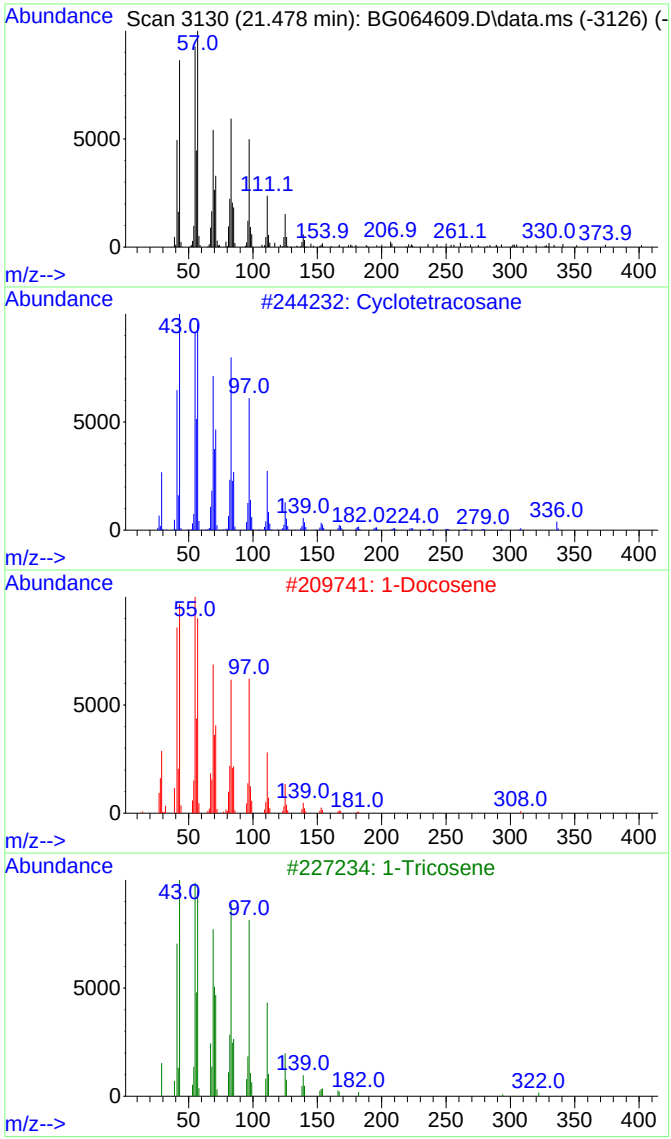
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

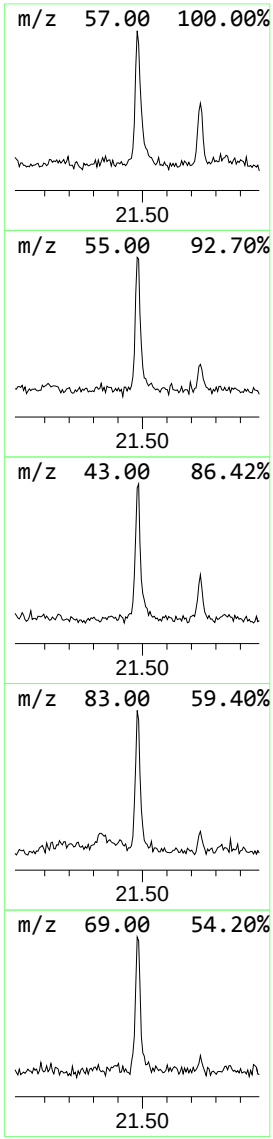
****

Peak Number 7 Cyclotetracosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.478	6.68 ng	270836	Chrysene-d12	21.848

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	94
2	1-Docosene	308	C22H44	001599-67-3	94
3	1-Tricosene	322	C23H46	018835-32-0	91
4	Octadecyl trifluoroacetate	366	C20H37F3O2	079392-43-1	87
5	1-Heneicosanol	312	C21H44O	015594-90-8	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064609.D
Acq On : 28 Oct 2025 19:57
Operator : RC/JU
Sample : Q3376-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR132-S12-020047-20251016

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.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	16.178	7.5	ng	174390	3	14.839	467842	20.0
n-Hexadecanoic ...	18.452	11.2	ng	347094	4	17.577	622200	20.0
Cetene	19.298	2.6	ng	81875	4	17.577	622200	20.0
1-Octadecene	20.432	3.0	ng	121259	5	21.848	810779	20.0
Cyclotetracosane	21.478	6.7	ng	270836	5	21.848	810779	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

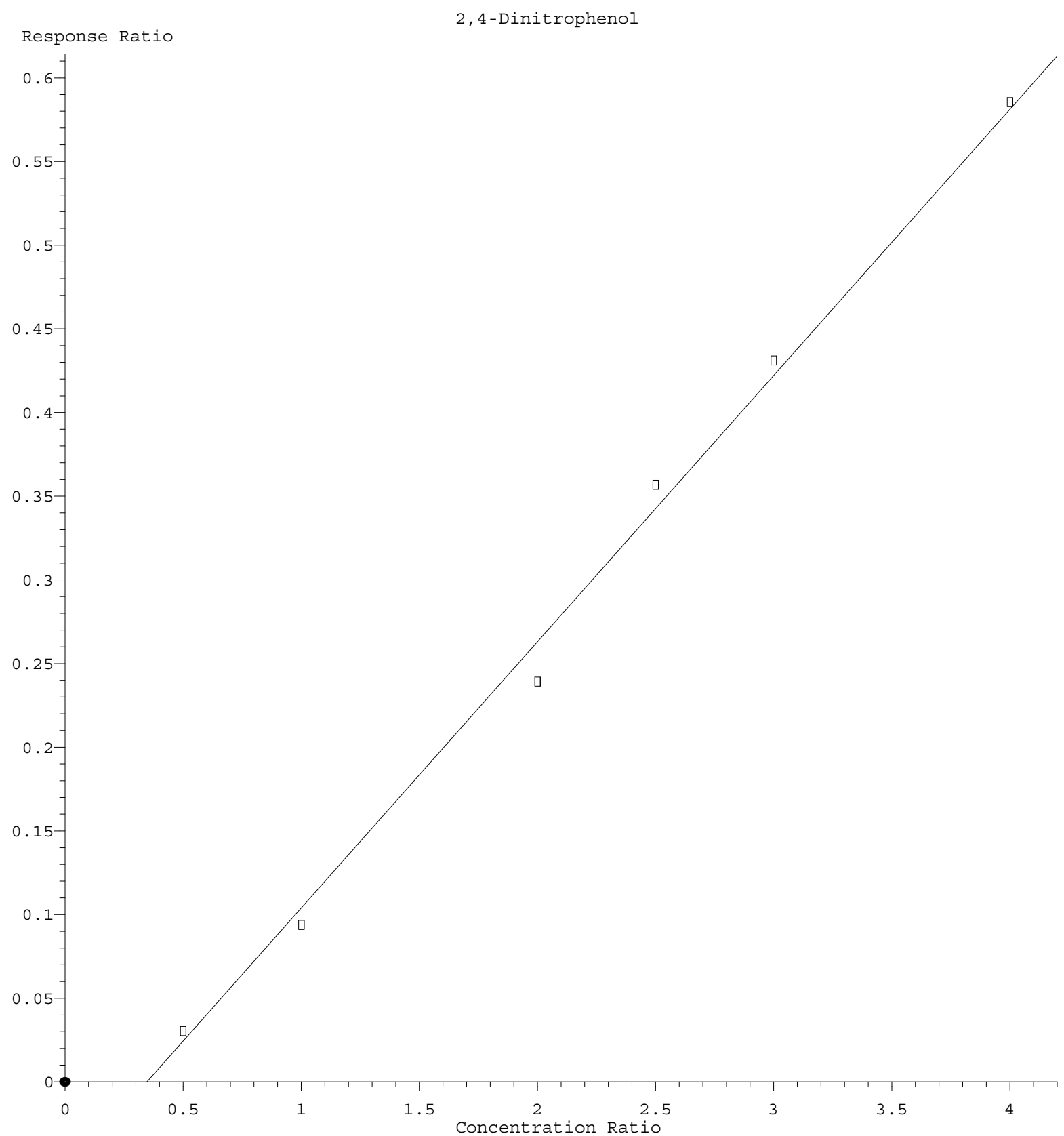
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF100625.M

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: Q337NSWQC-TCL_BNA-20 C:\HPCHEM\1\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

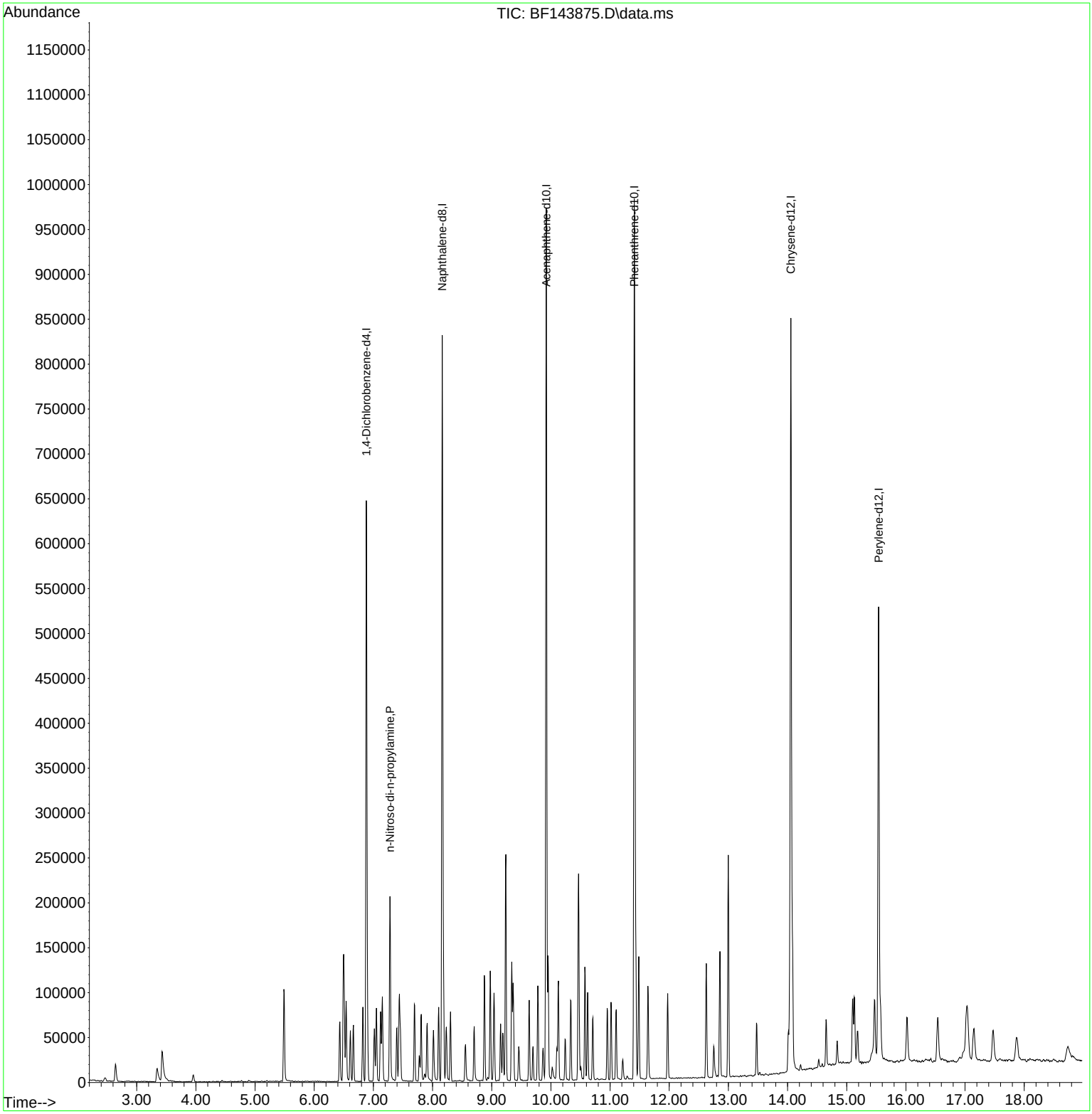
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	128129	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	501174	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	285618	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	520523	20.000	ng	0.00
76) Chrysene-d12	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

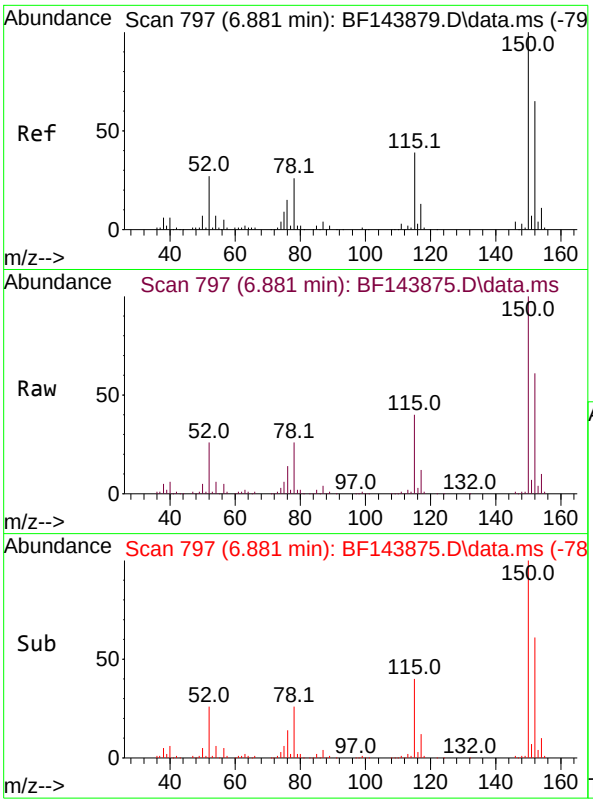
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



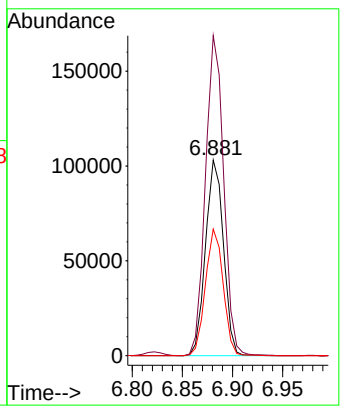


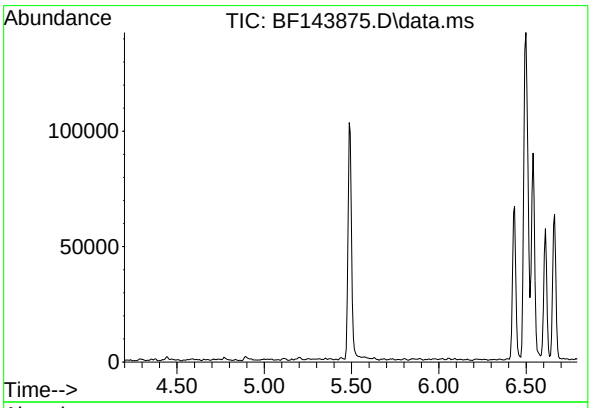
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

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



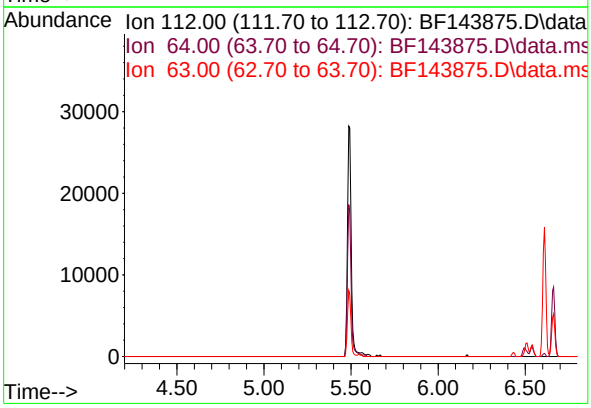


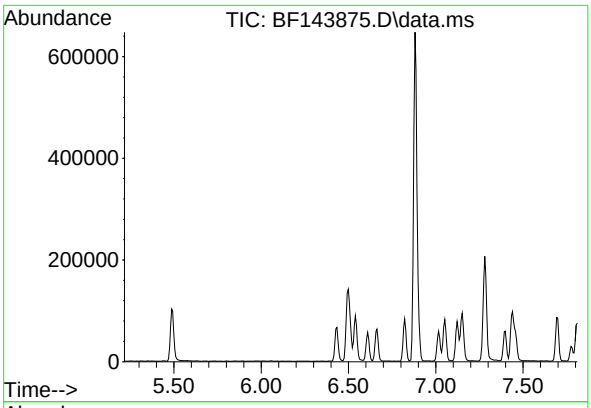
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.50 min

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

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.4
63	30.6





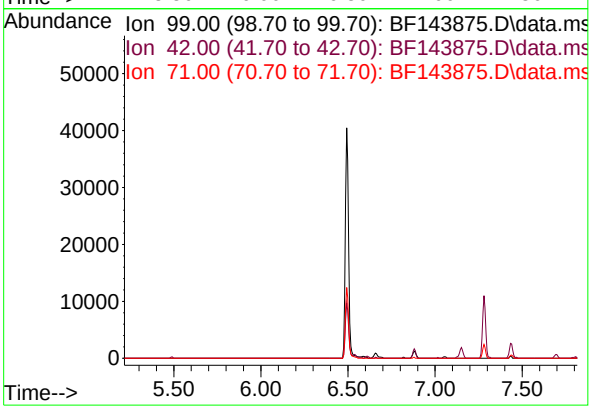
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

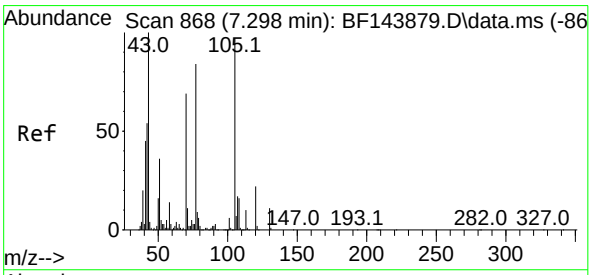
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	26.2
71	34.8

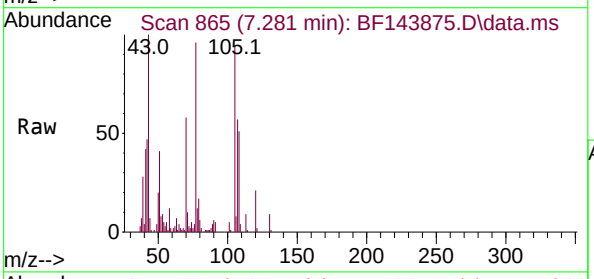


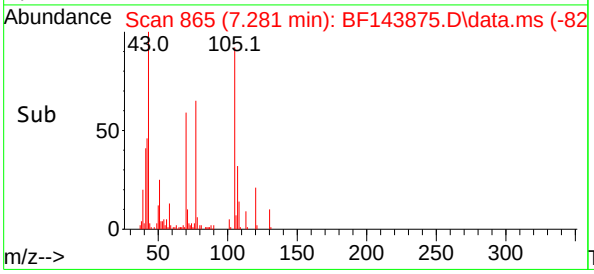


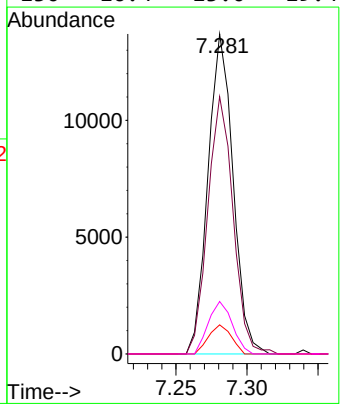
#19
n-Nitroso-di-n-propylamine
Concen: 2.559 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.035 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

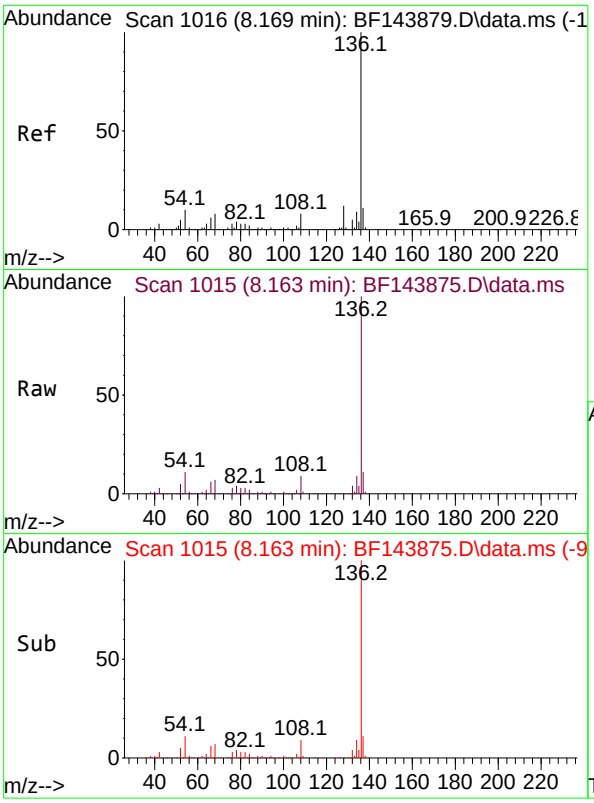
Tgt Ion: 70 Resp: 16847

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







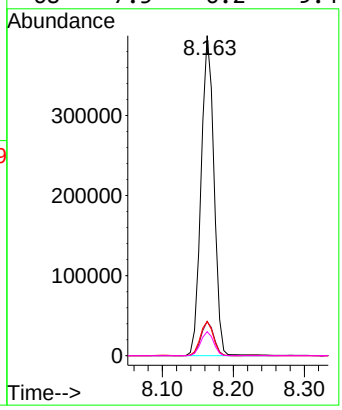


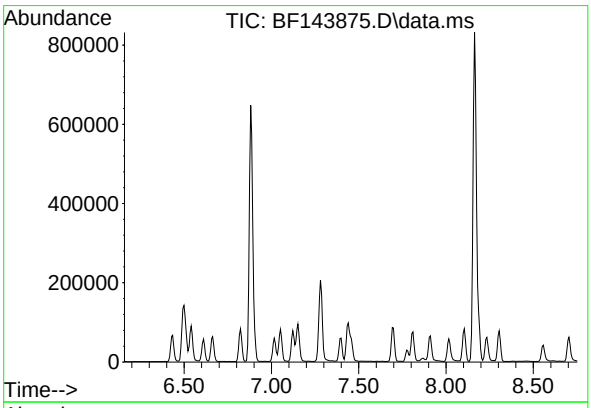
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

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



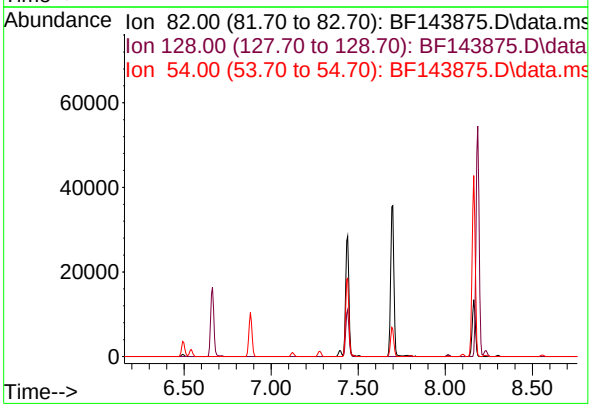


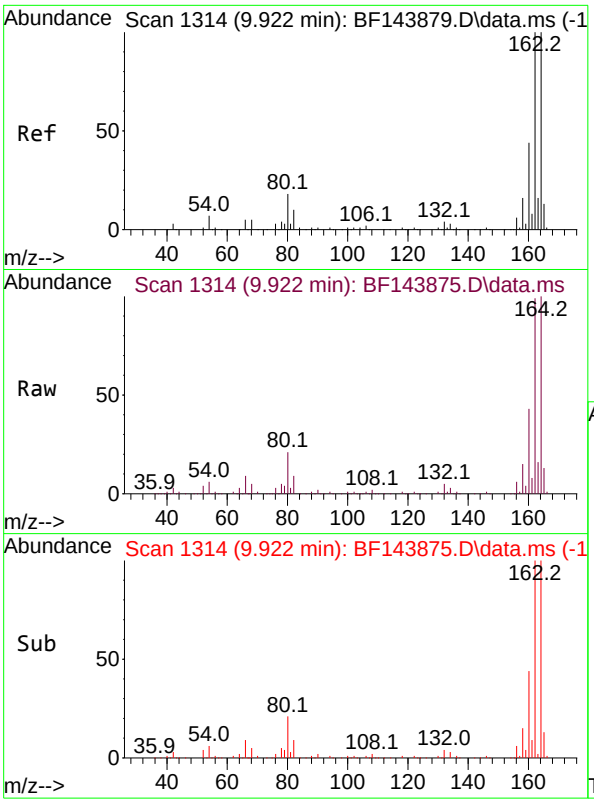
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.46 min

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

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.5
54	66.5



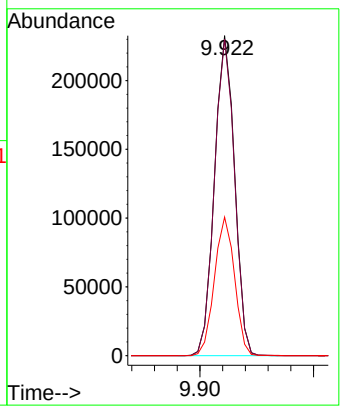


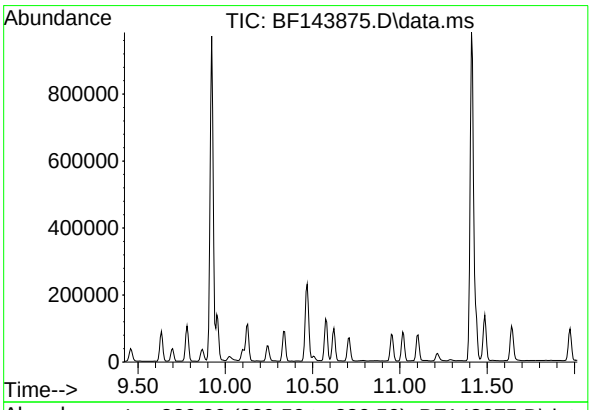
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

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



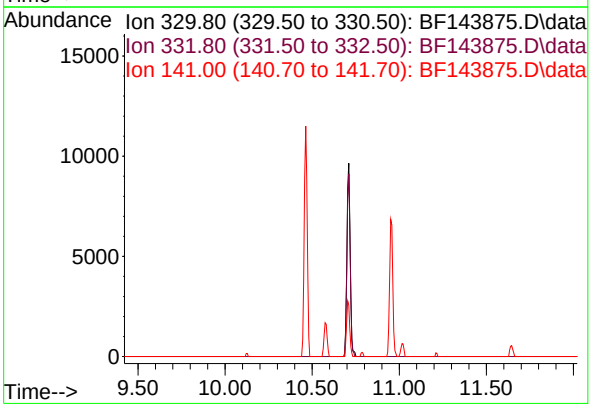


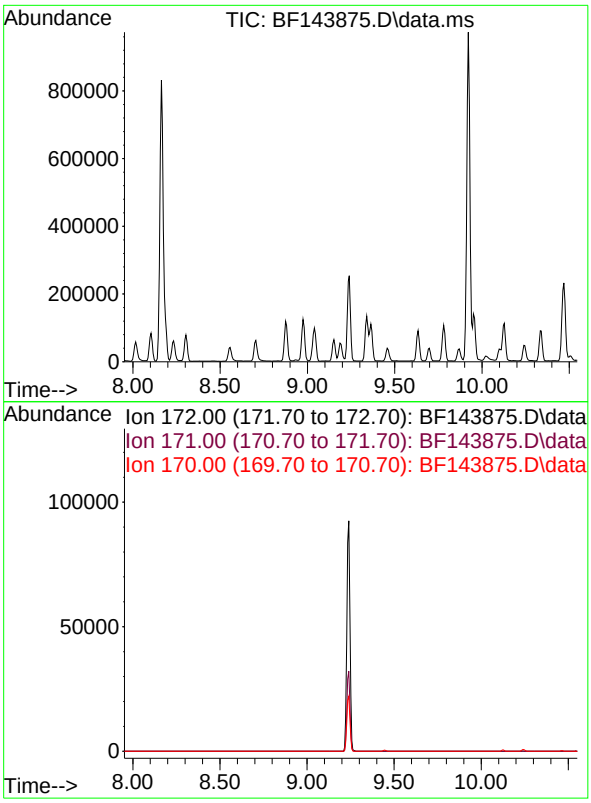
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.72 min

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

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	25.3





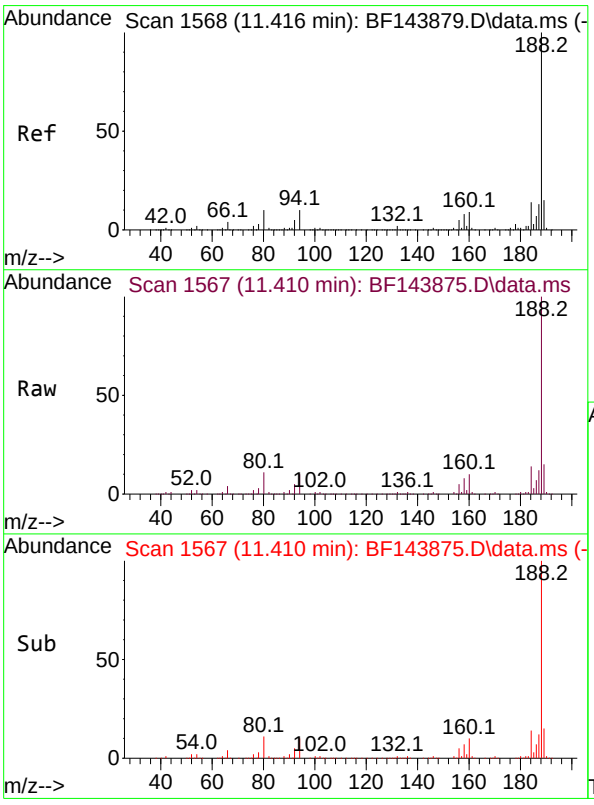
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.25 min

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

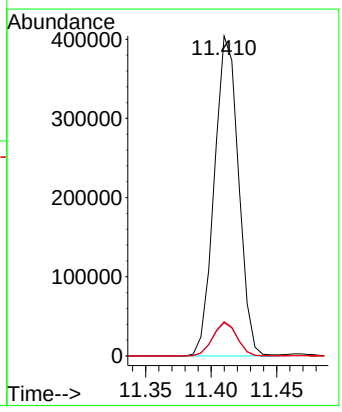
Sig	Exp Ratio
172	100
171	34.2
170	23.3

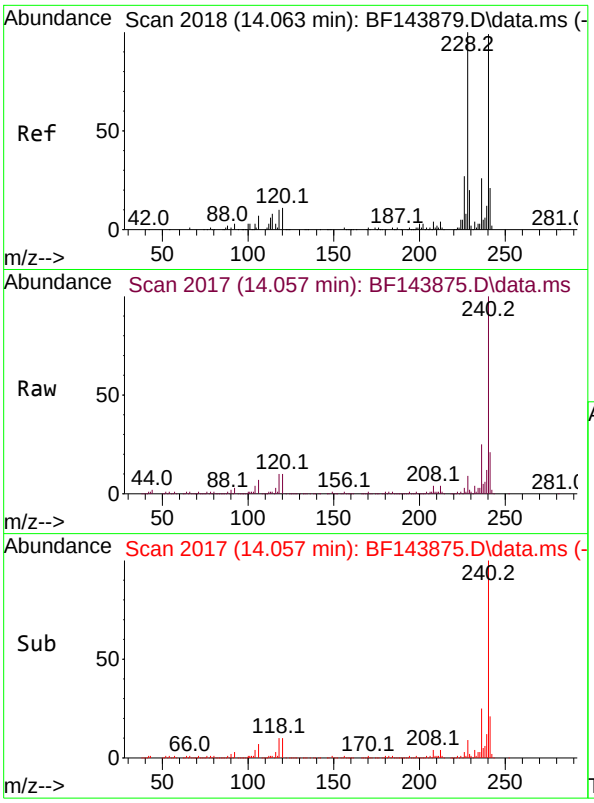


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

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



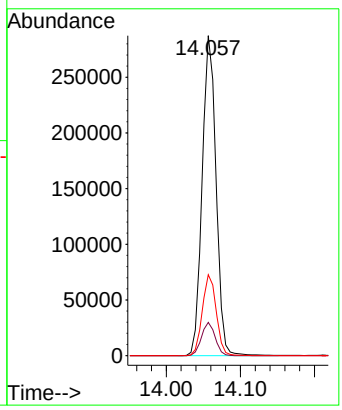


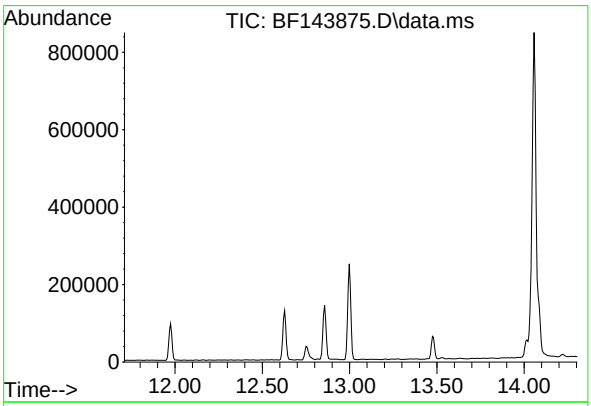
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

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



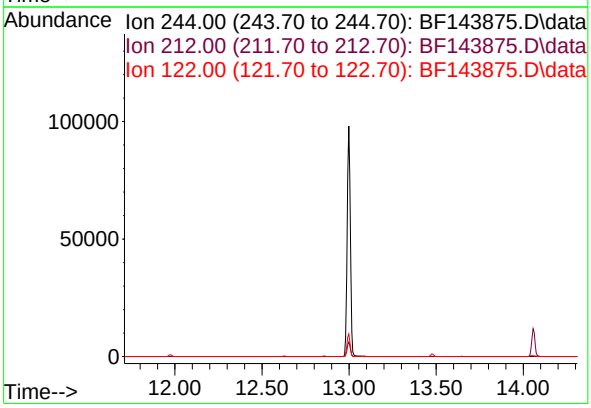


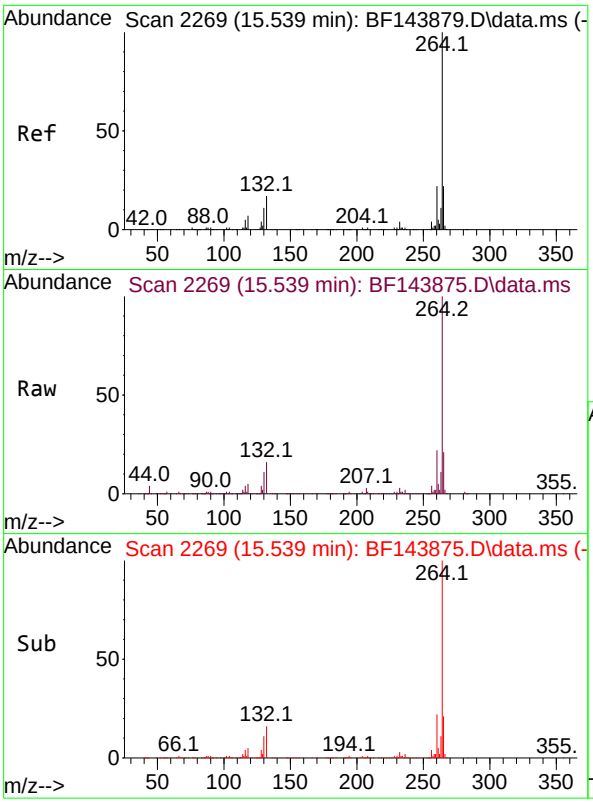
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.01 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.7
122	8.0



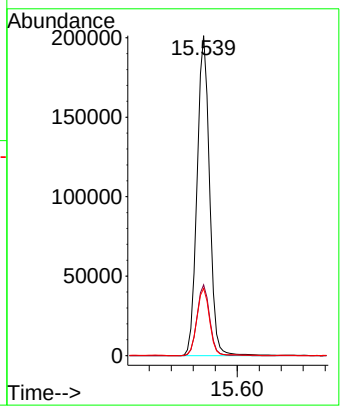


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143875.D
Acq: 06 Oct 2025 09:59

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

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

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

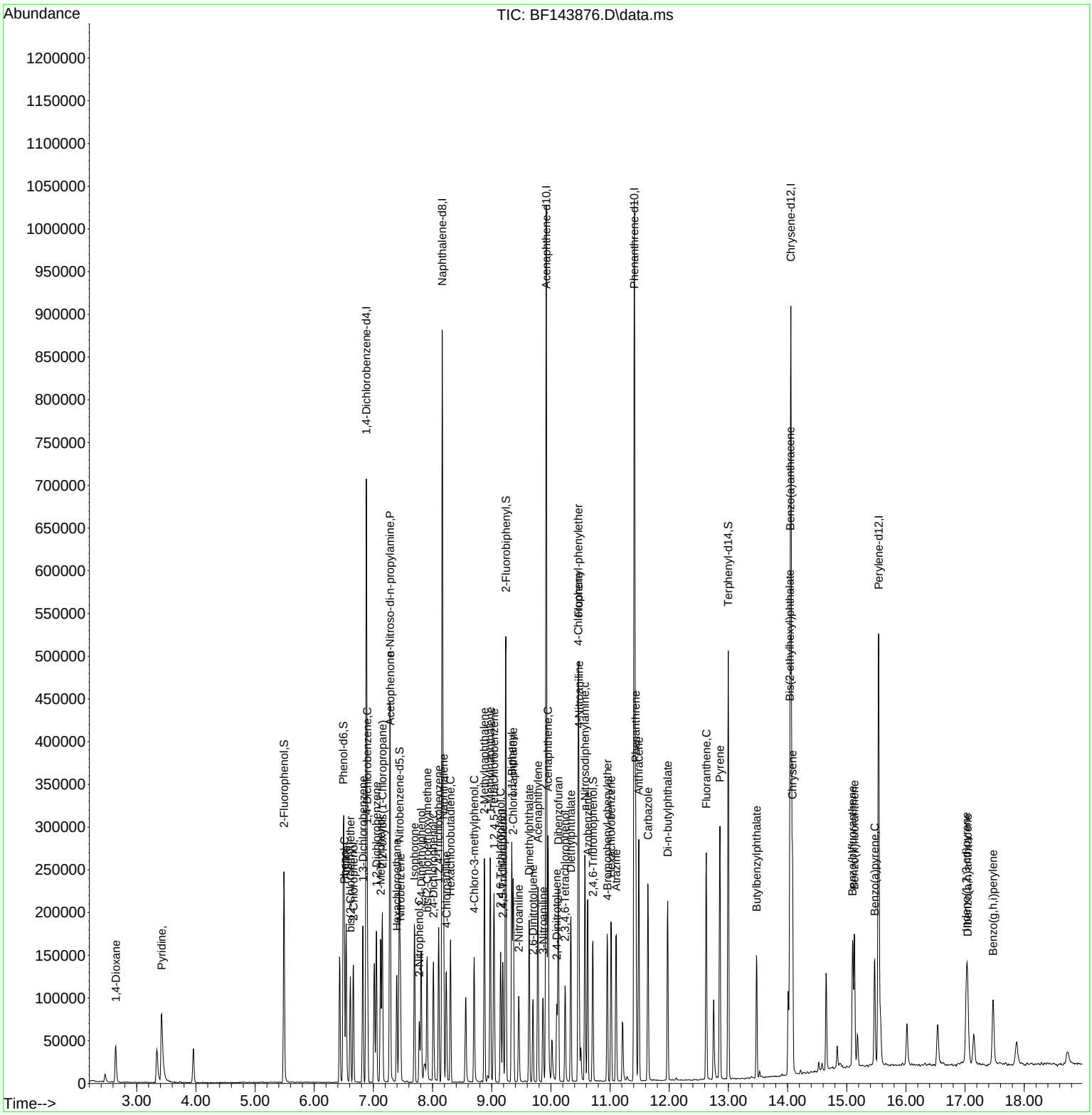
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143876.D
Acq On : 06 Oct 2025 10:28
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

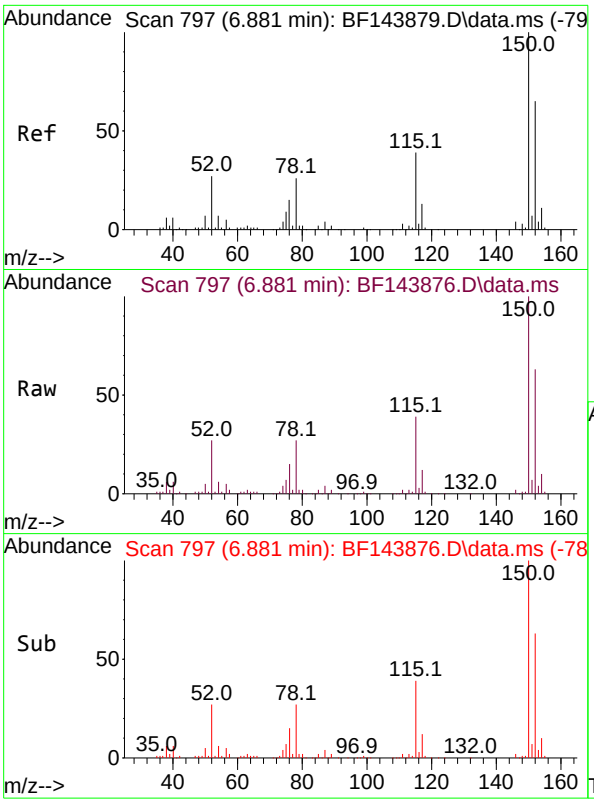
Quant Time: Oct 06 16:14:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

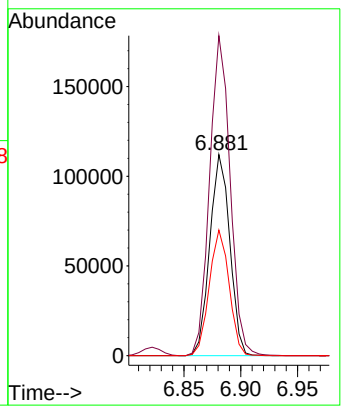




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:152 Resp: 13759

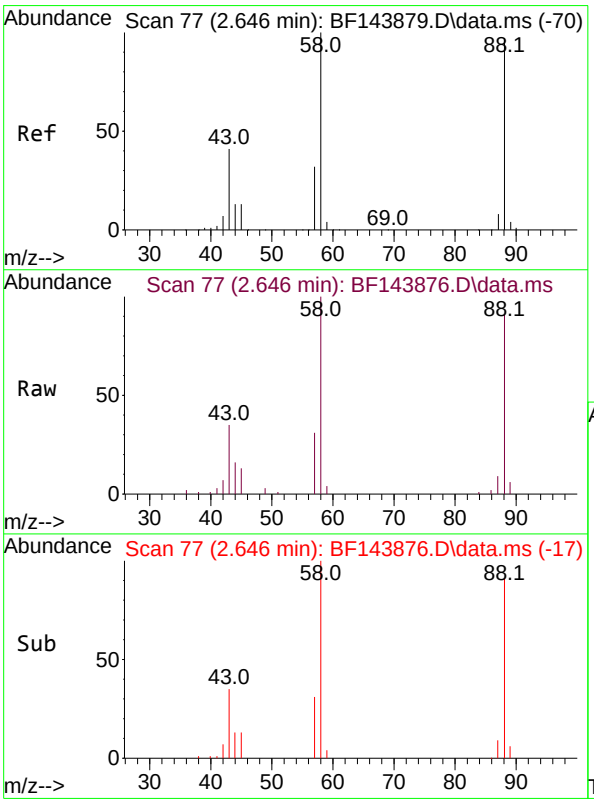
Ion	Ratio	Lower	Upper
152	100		
150	159.1	124.4	186.6
115	62.4	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

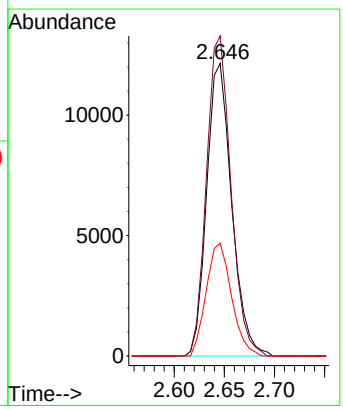
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

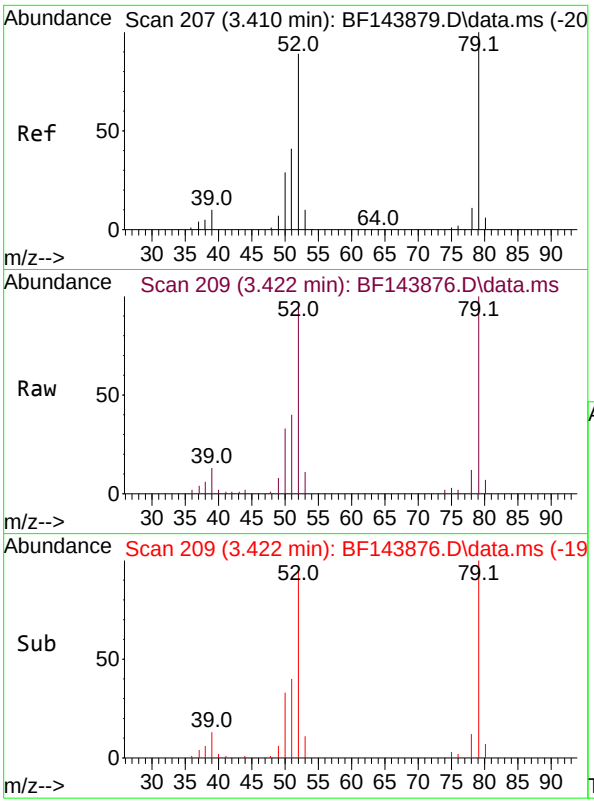


#2
1,4-Dioxane
Concen: 5.265 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

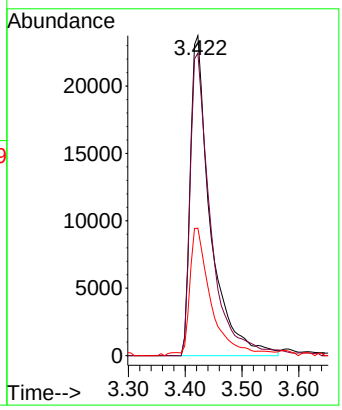




#3
Pyridine
Concen: 4.984 ng
RT: 3.422 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 79 Resp: 5817

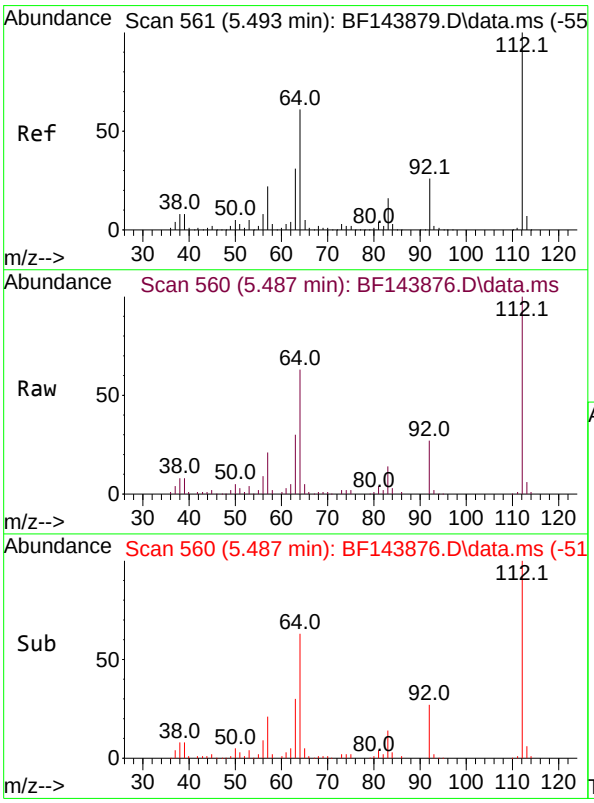
Ion	Ratio	Lower	Upper
79	100		
52	94.5	71.5	107.3
51	39.8	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

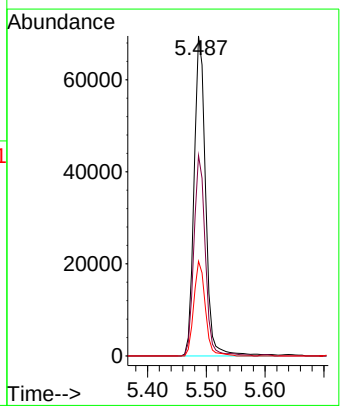
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

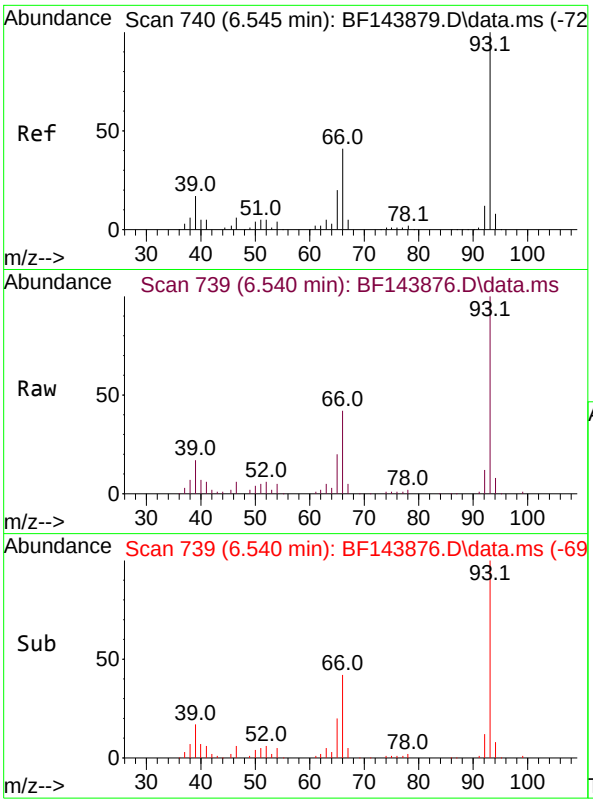


#5
2-Fluorophenol
Concen: 10.942 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

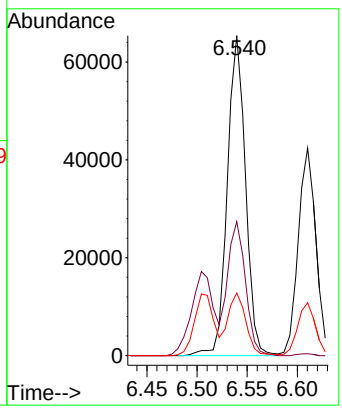




#6
Aniline
Concen: 5.335 ng
RT: 6.540 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 8256

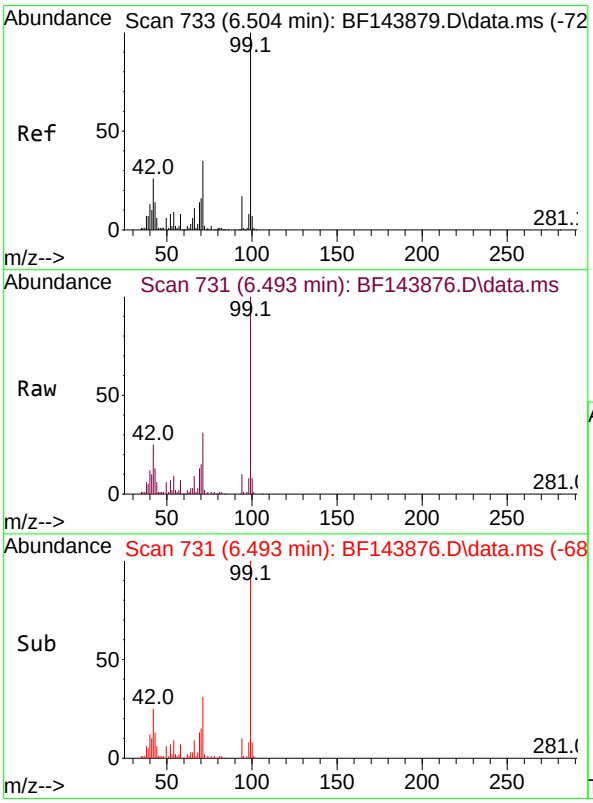
Ion	Ratio	Lower	Upper
93	100		
66	41.9	33.0	49.6
65	19.6	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

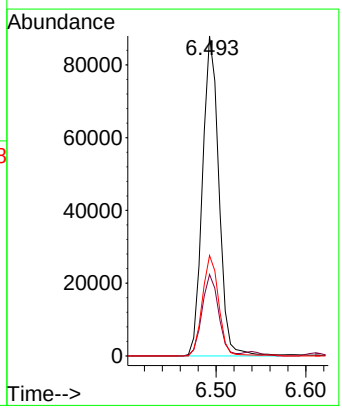
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

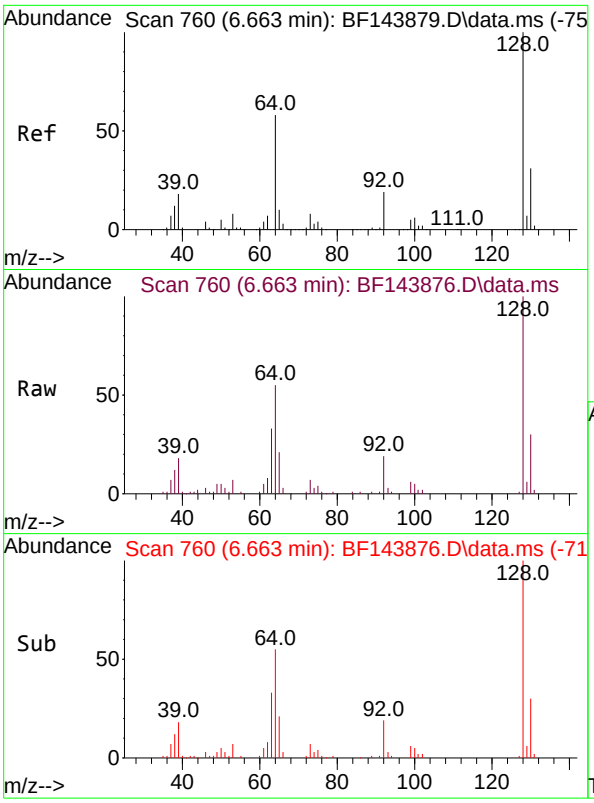


#7
Phenol-d6
Concen: 10.832 ng
RT: 6.493 min Scan# 731
Delta R.T. -0.023 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

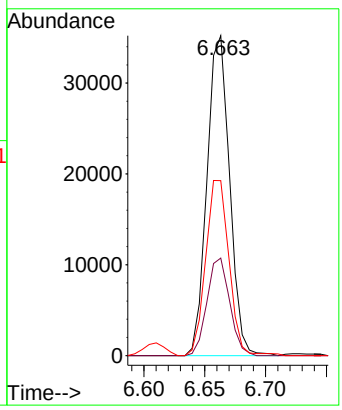




#8
2-Chlorophenol
Concen: 5.376 ng
RT: 6.663 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:128 Resp: 4553

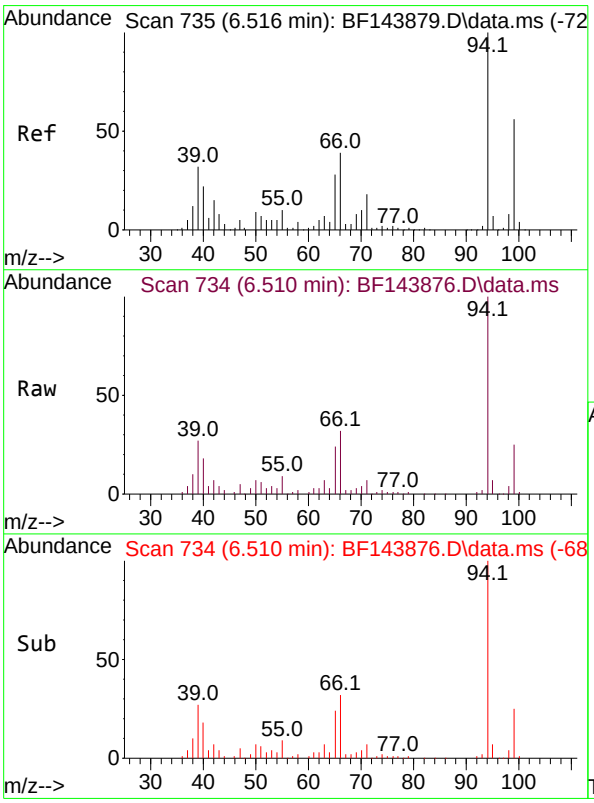
Ion	Ratio	Lower	Upper
128	100		
130	30.5	10.7	50.7
64	54.7	39.0	79.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

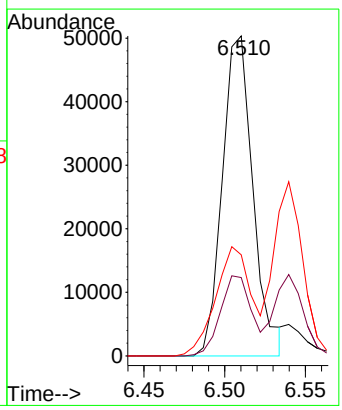
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

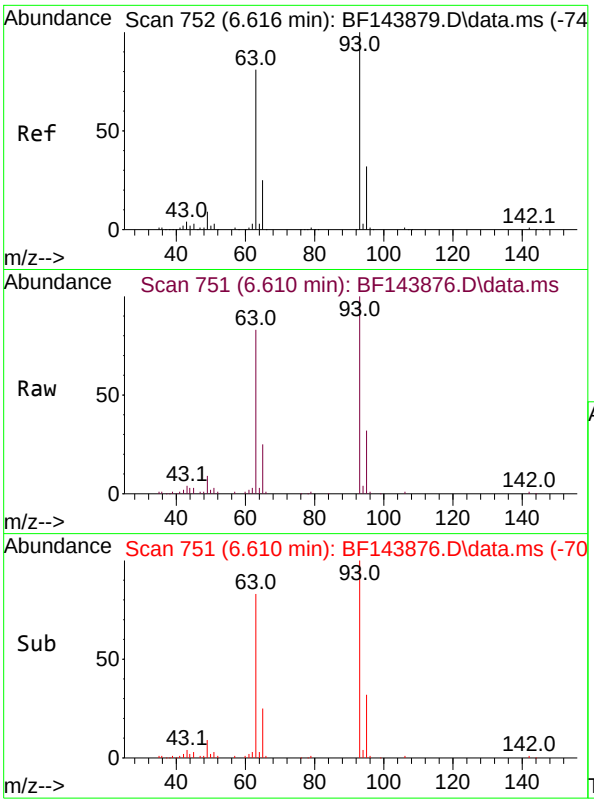


#10
Phenol
Concen: 5.388 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

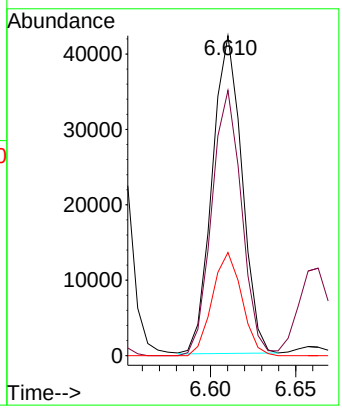




#11
bis(2-Chloroethyl)ether
Concen: 5.364 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 93 Resp: 5116

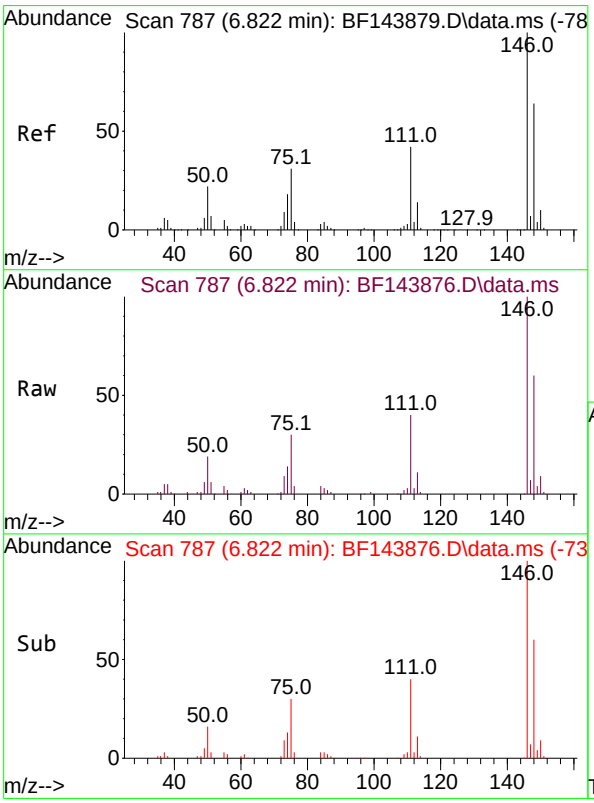
Ion	Ratio	Lower	Upper
93	100		
63	82.9	60.9	100.9
95	32.2	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

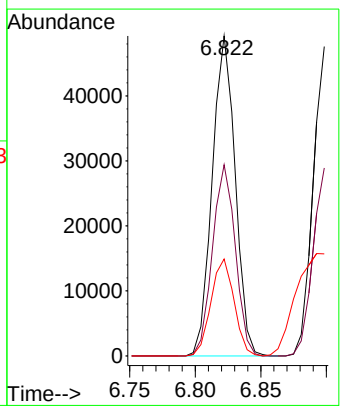
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

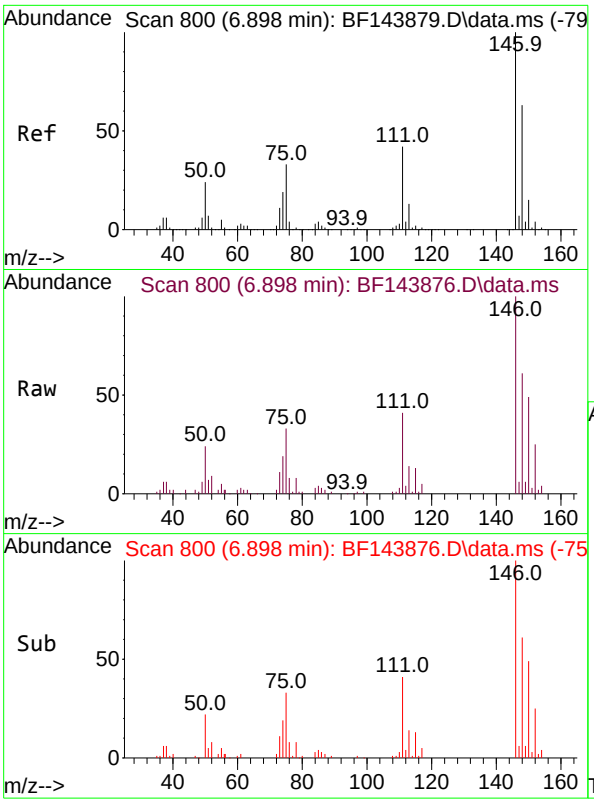


#12
1,3-Dichlorobenzene
Concen: 5.911 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

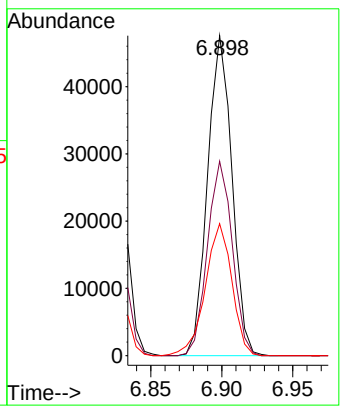




#13
1,4-Dichlorobenzene
Concen: 5.686 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:146 Resp: 5686

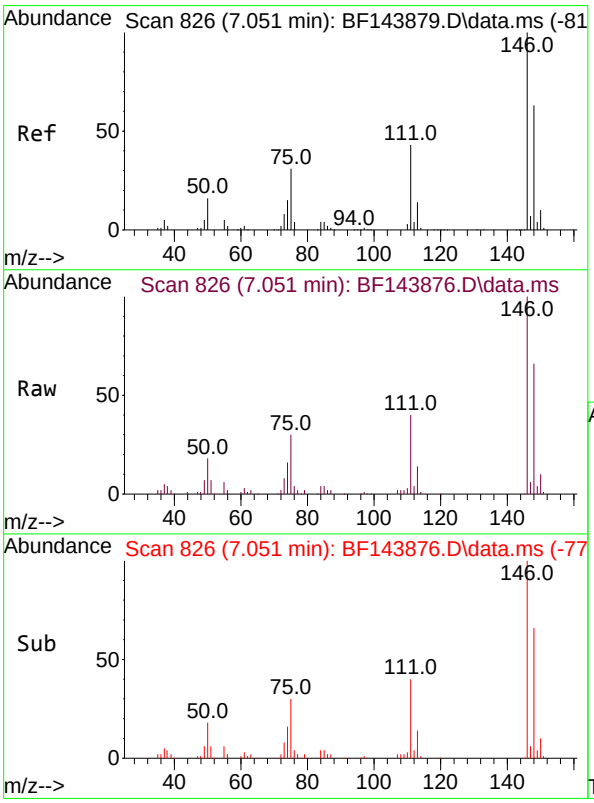
Ion	Ratio	Lower	Upper
146	100		
148	60.7	50.5	75.7
111	41.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

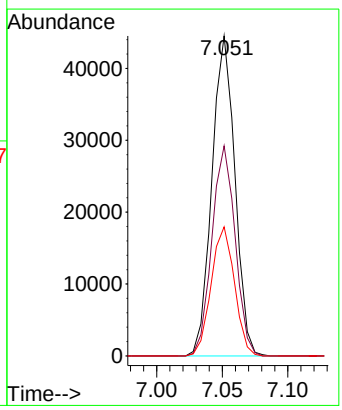
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

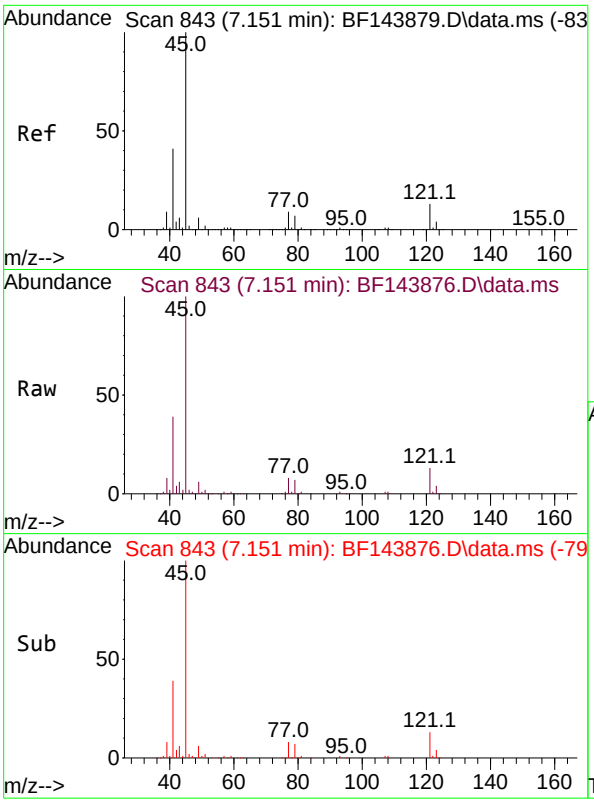


#14
1,2-Dichlorobenzene
Concen: 5.676 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

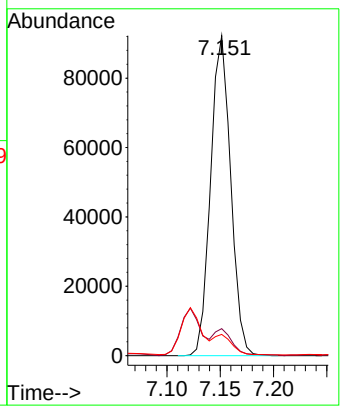




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.577 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 45 Resp: 12108

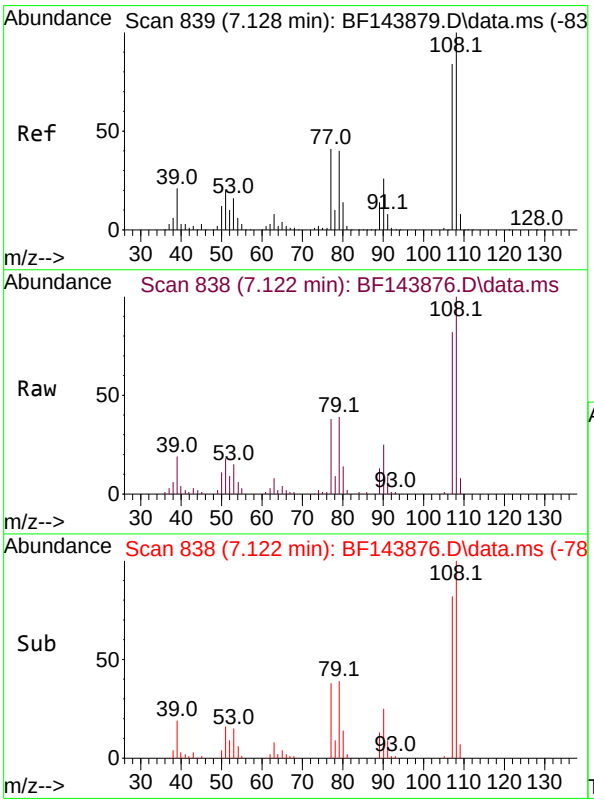
Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	29.0
79	6.6	0.0	26.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

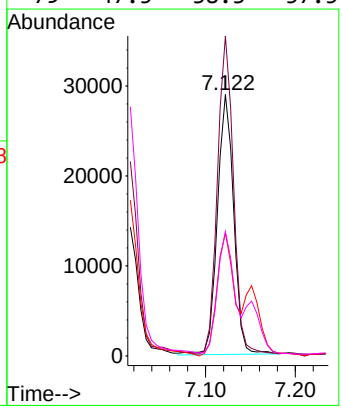
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

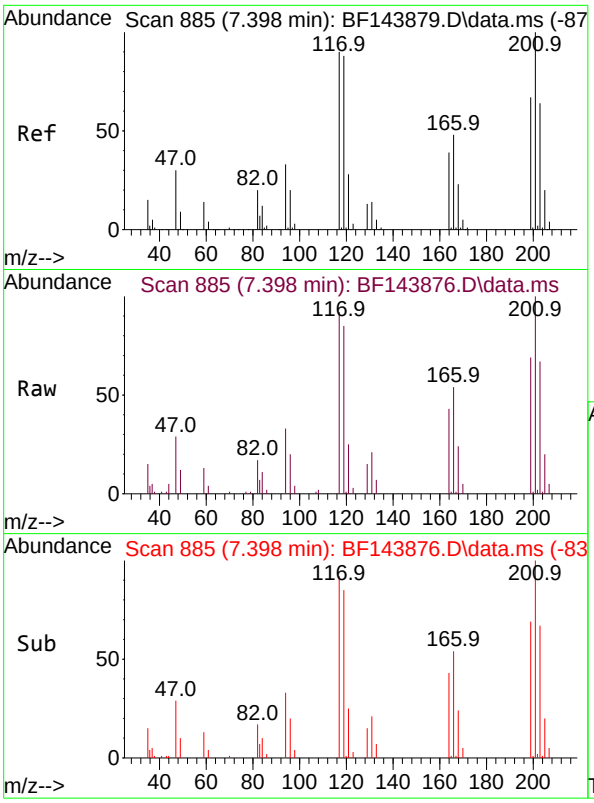


#17
2-Methylphenol
Concen: 5.228 ng
RT: 7.122 min Scan# 838
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

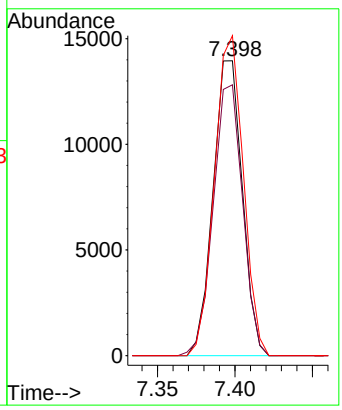




#18
Hexachloroethane
Concen: 5.501 ng
RT: 7.398 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:117 Resp: 1834

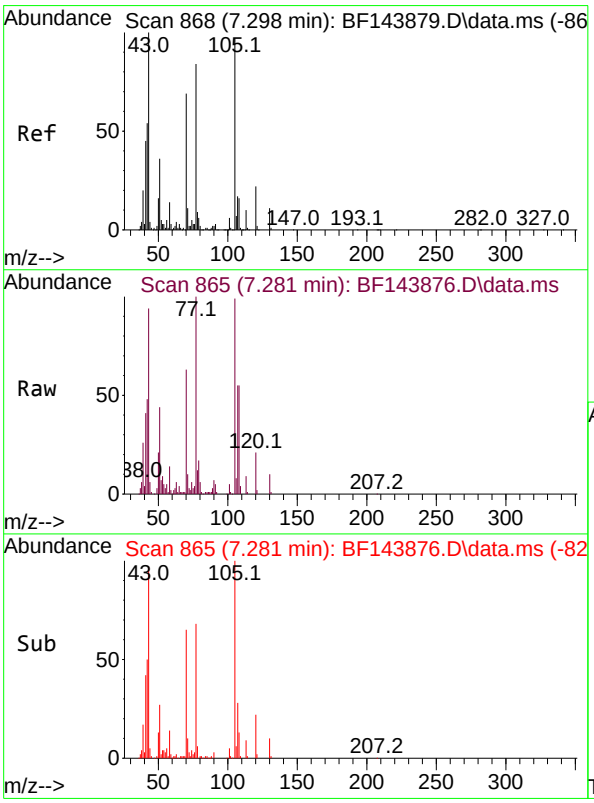
Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.8	116.8
201	108.5	88.5	132.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

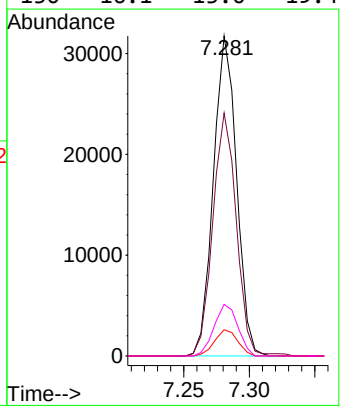
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

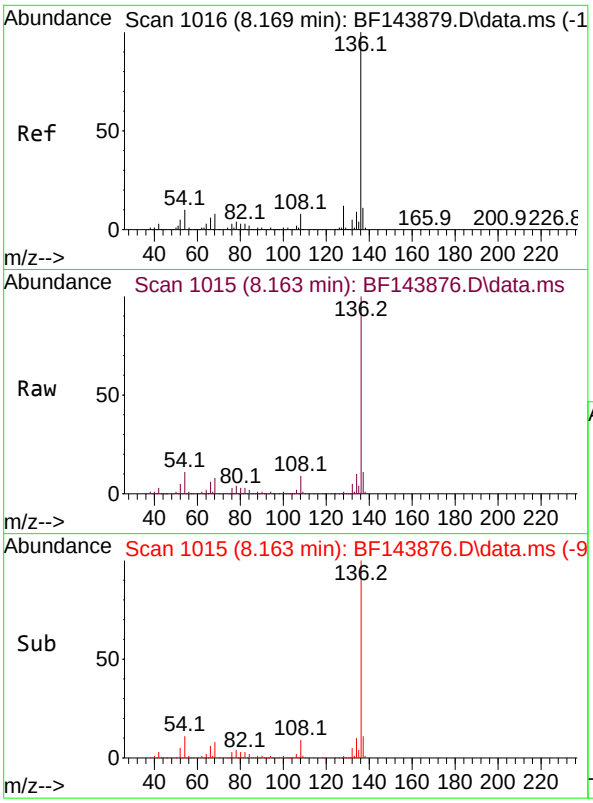


#19
n-Nitroso-di-n-propylamine
Concen: 5.524 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

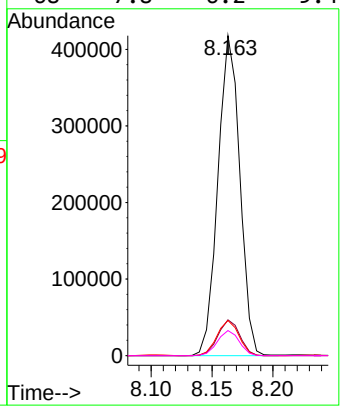




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:136 Resp: 52411

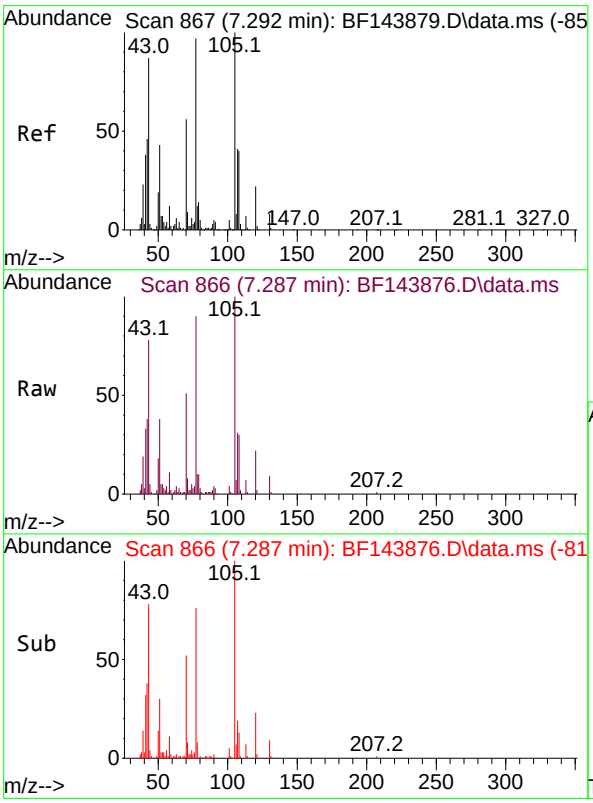
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.0	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

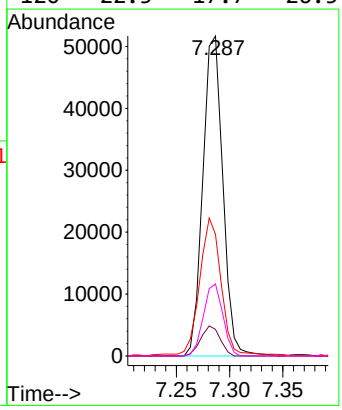
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

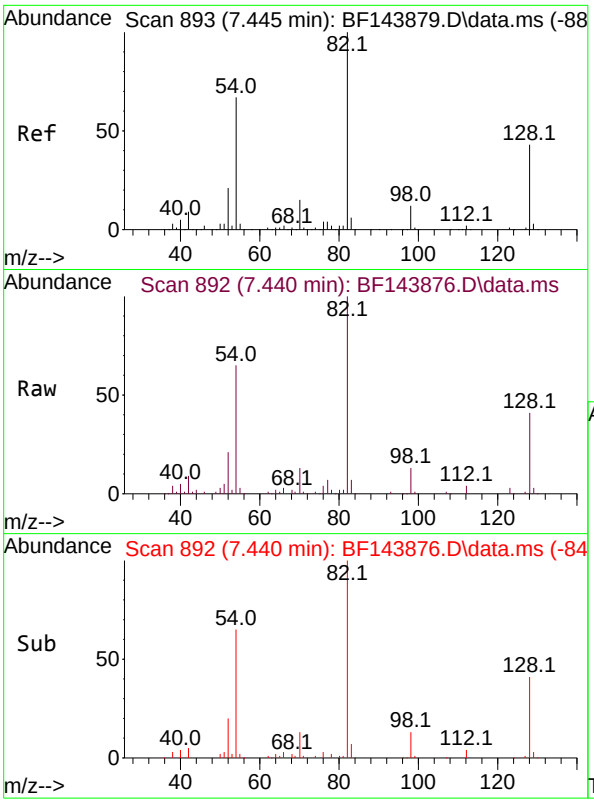


#22
Acetophenone
Concen: 6.092 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

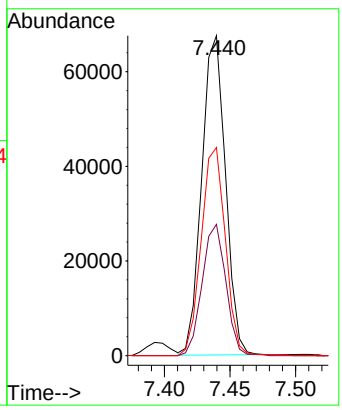




#23
Nitrobenzene-d5
Concen: 9.862 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 82 Resp: 8508

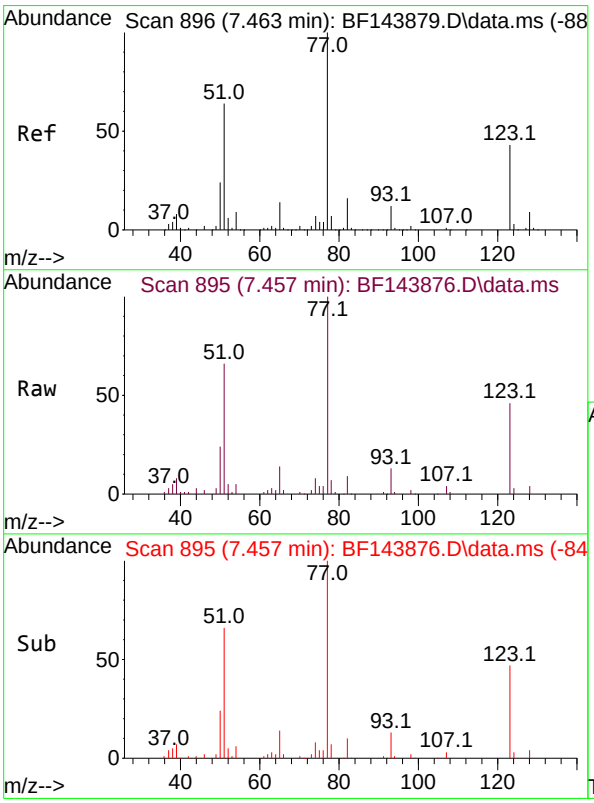
Ion	Ratio	Lower	Upper
82	100		
128	41.0	34.0	51.0
54	65.0	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

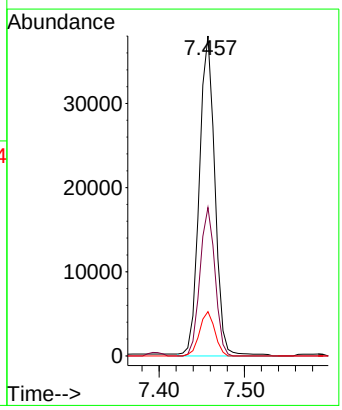
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

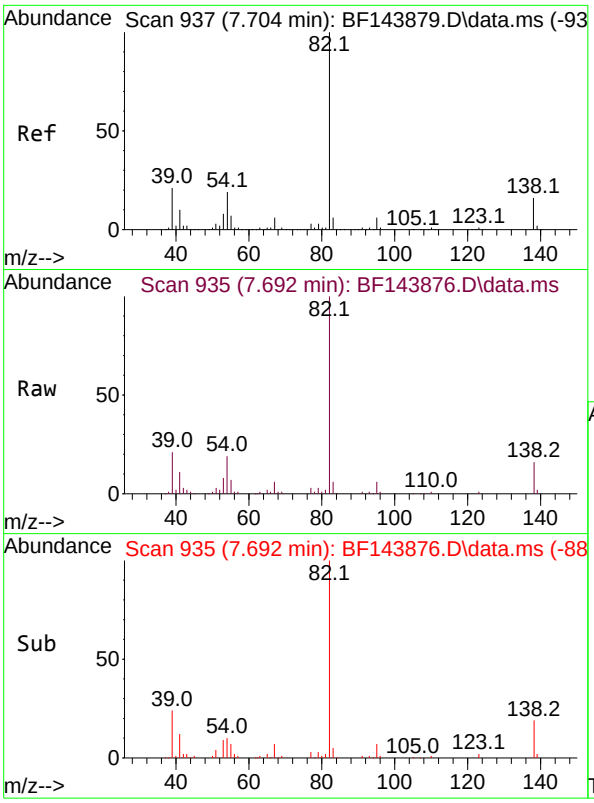


#24
Nitrobenzene
Concen: 5.054 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

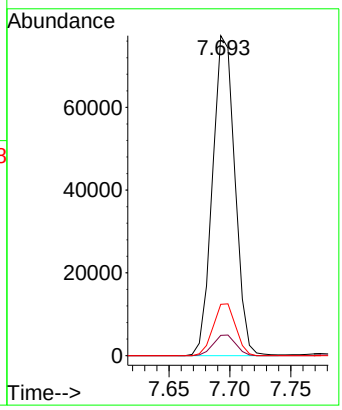




#25
Isophorone
Concen: 5.429 ng
RT: 7.692 min Scan# 9
Delta R.T. -0.029 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 82 Resp: 9876

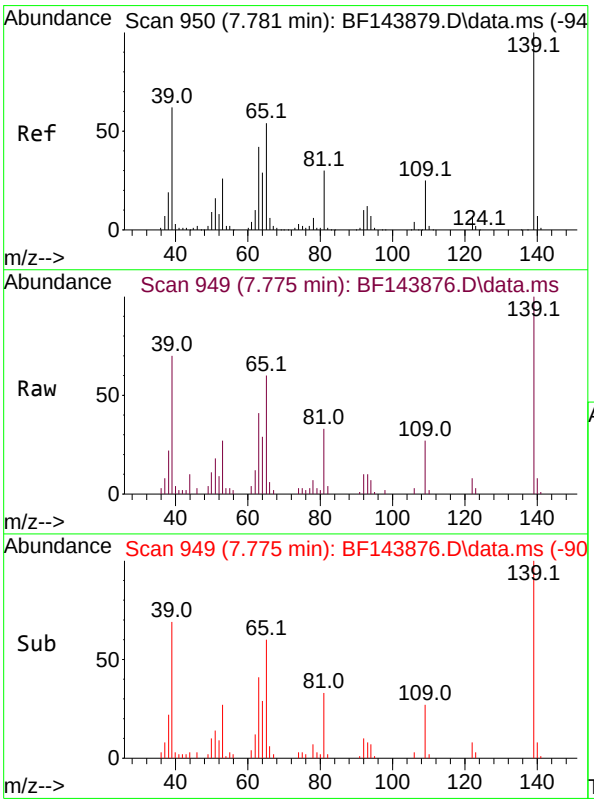
Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	16.0	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

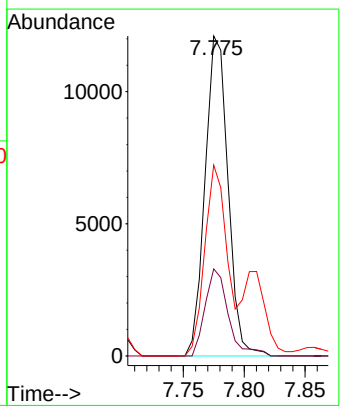
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

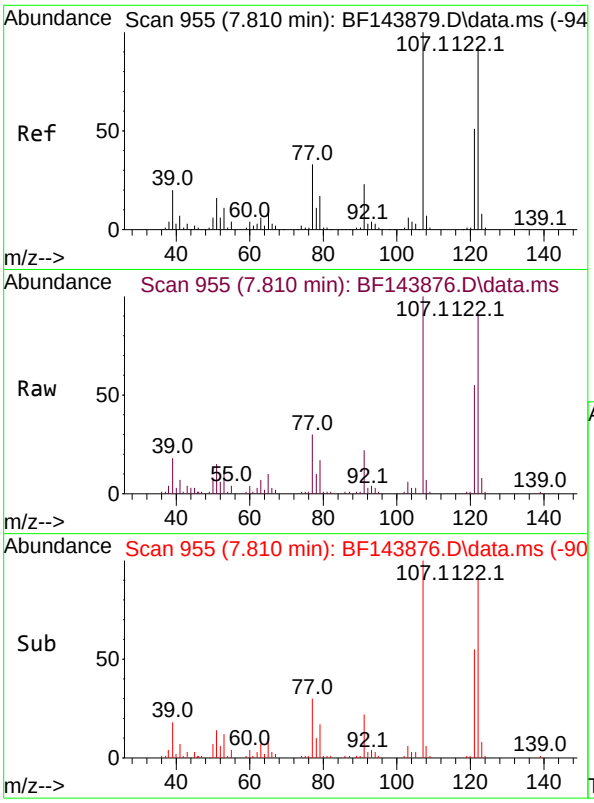


#26
2-Nitrophenol
Concen: 3.864 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

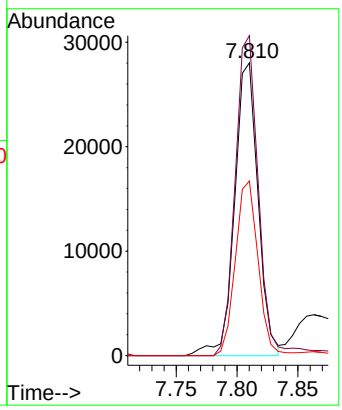




#27
2,4-Dimethylphenol
Concen: 5.095 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:122 Resp: 3764

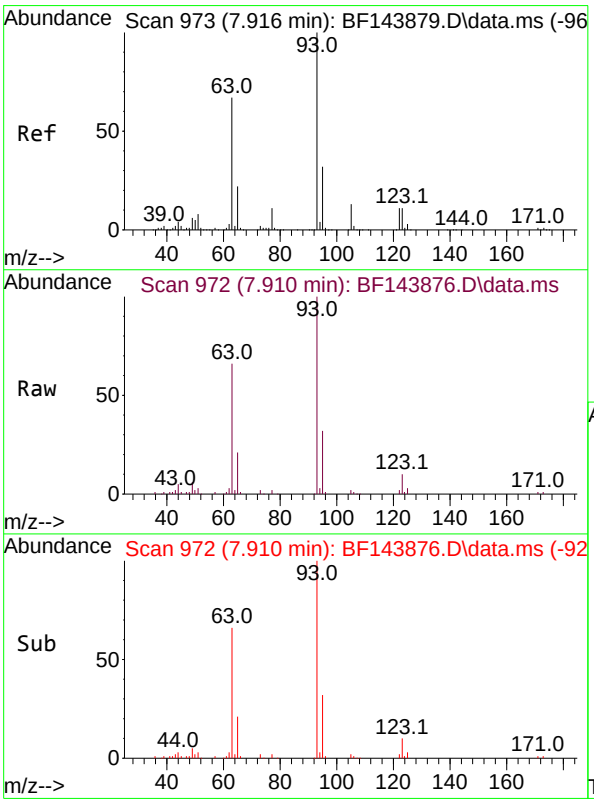
Ion	Ratio	Lower	Upper
122	100		
107	109.3	86.1	129.1
121	59.6	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

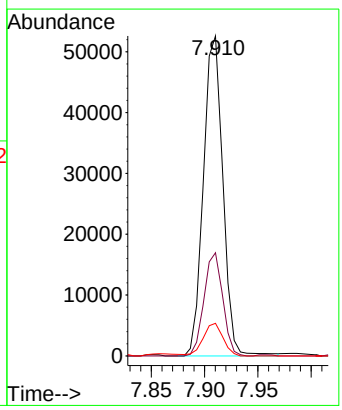
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

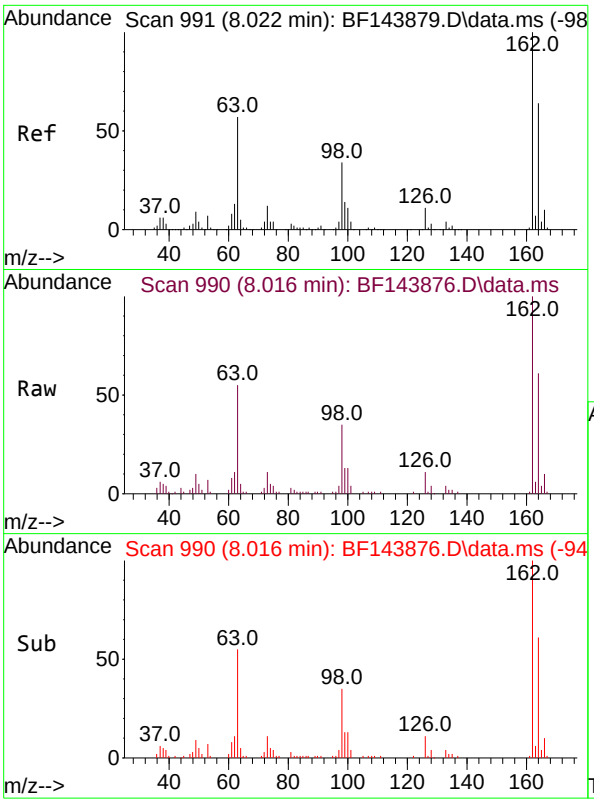


#28
bis(2-Chloroethoxy)methane
Concen: 5.812 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

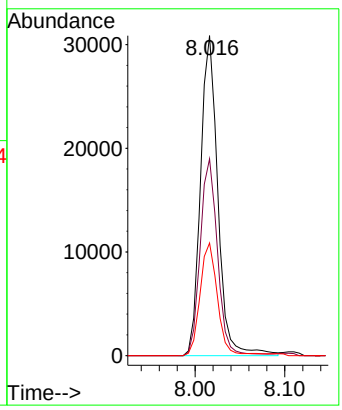




#29
2,4-Dichlorophenol
Concen: 5.390 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:162 Resp: 4148

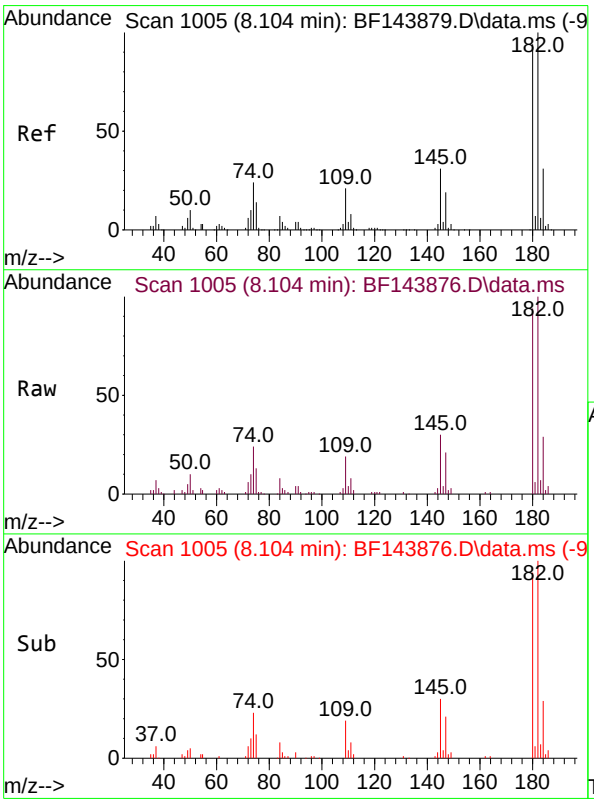
Ion	Ratio	Lower	Upper
162	100		
164	61.5	43.9	83.9
98	35.2	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

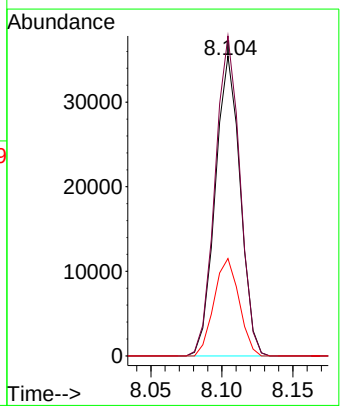
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

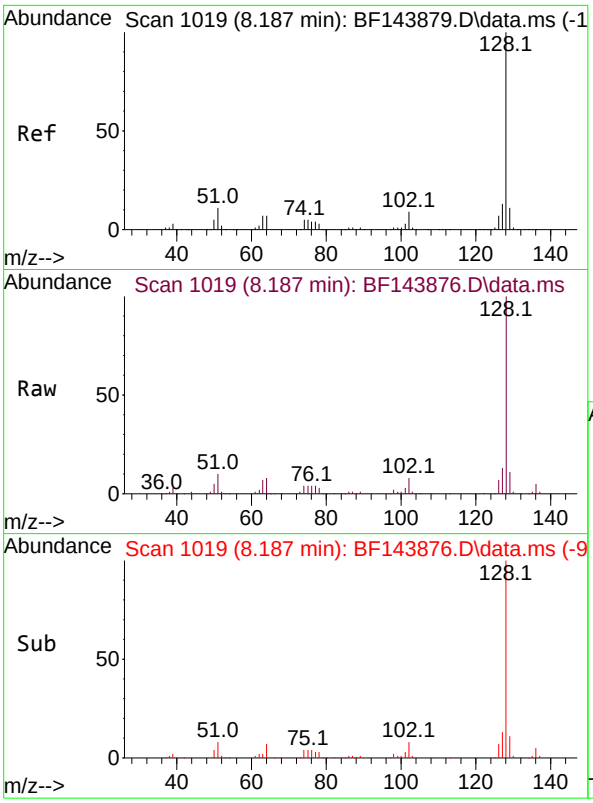


#30
1,2,4-Trichlorobenzene
Concen: 5.722 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

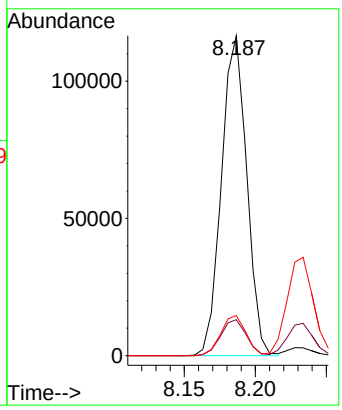




#31
Naphthalene
Concen: 6.063 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:128 Resp: 14456

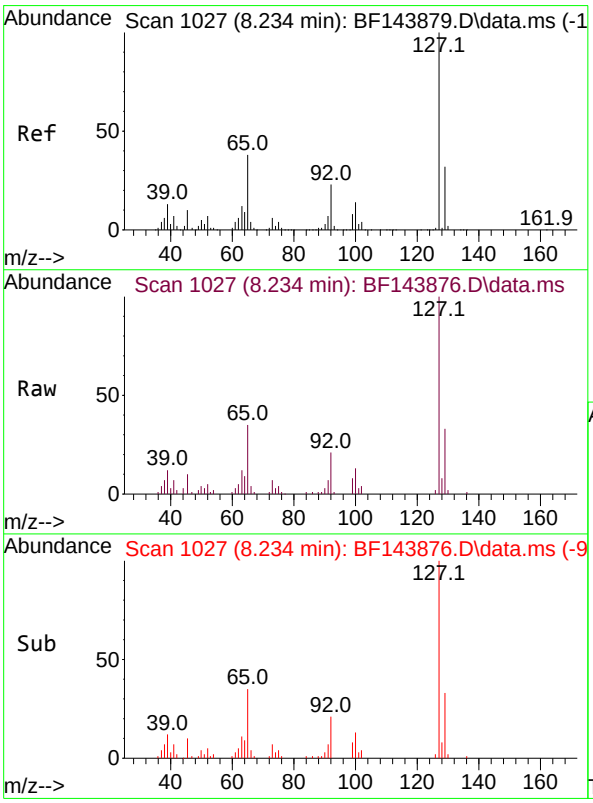
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.5	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

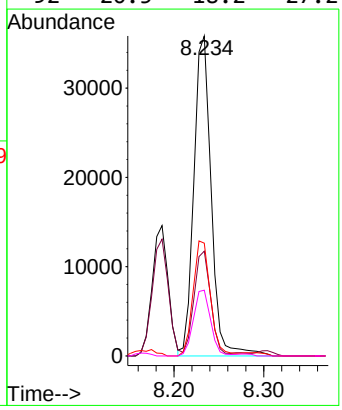
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

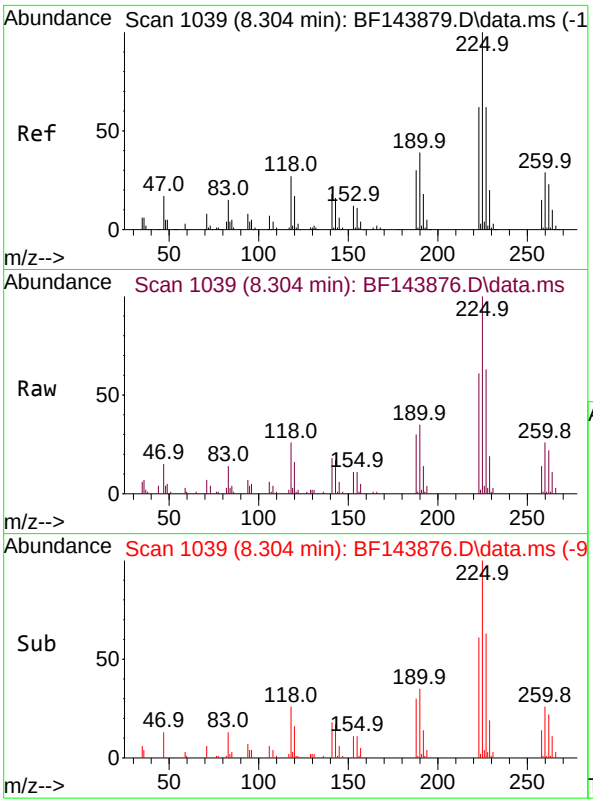


#33
4-Chloroaniline
Concen: 5.388 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

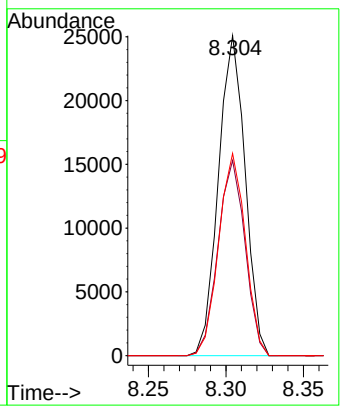




#34
Hexachlorobutadiene
Concen: 5.751 ng
RT: 8.304 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:225 Resp: 3024

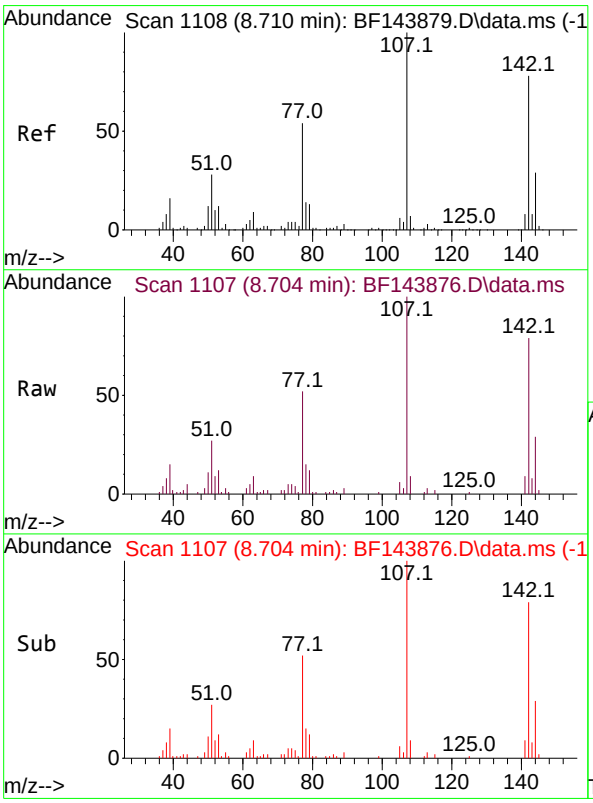
Ion	Ratio	Lower	Upper
225	100		
223	61.0	49.4	74.2
227	63.2	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

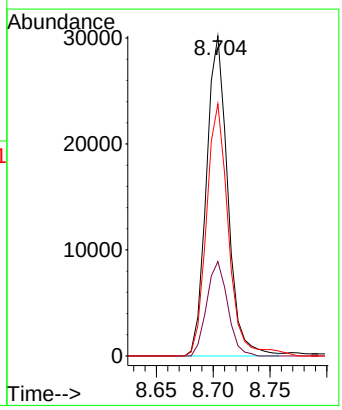
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

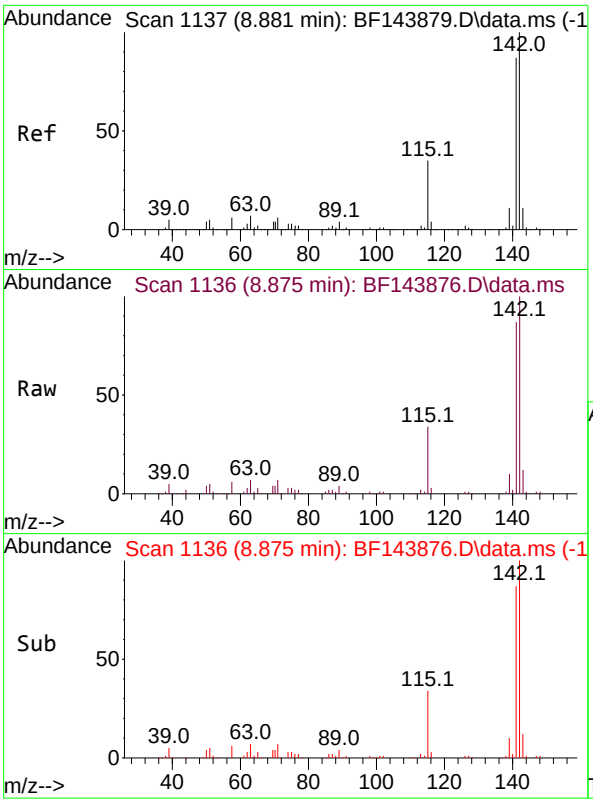


#36
4-Chloro-3-methylphenol
Concen: 5.343 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

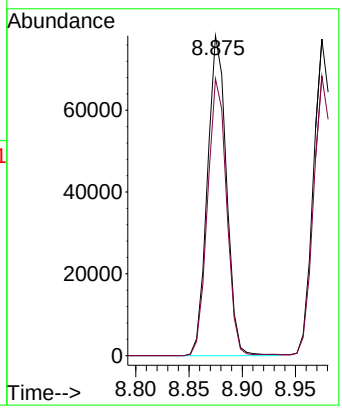




#37
2-Methylnaphthalene
Concen: 6.122 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:142 Resp: 9722

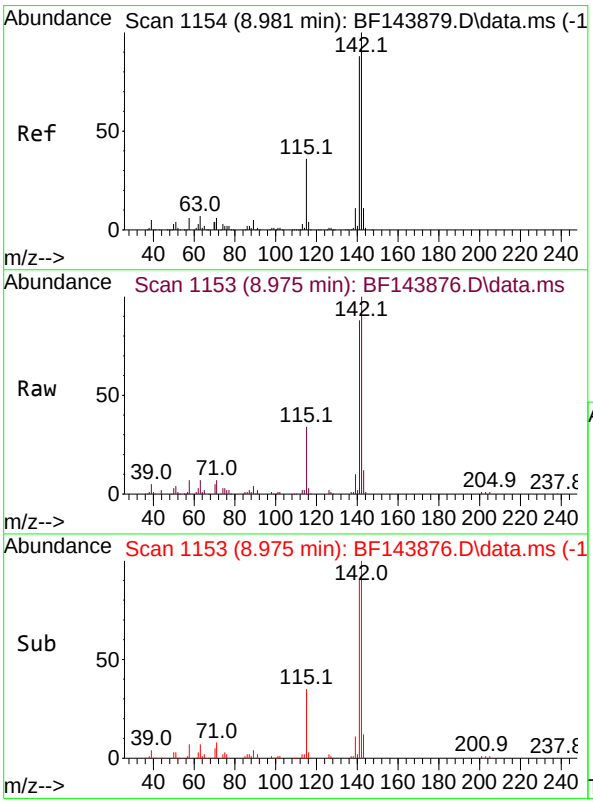
Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

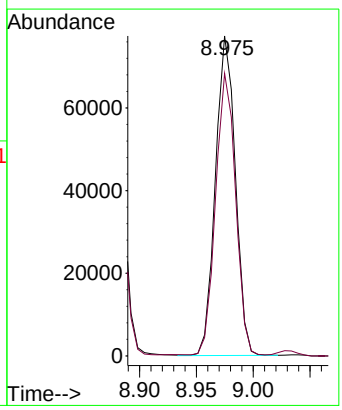
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

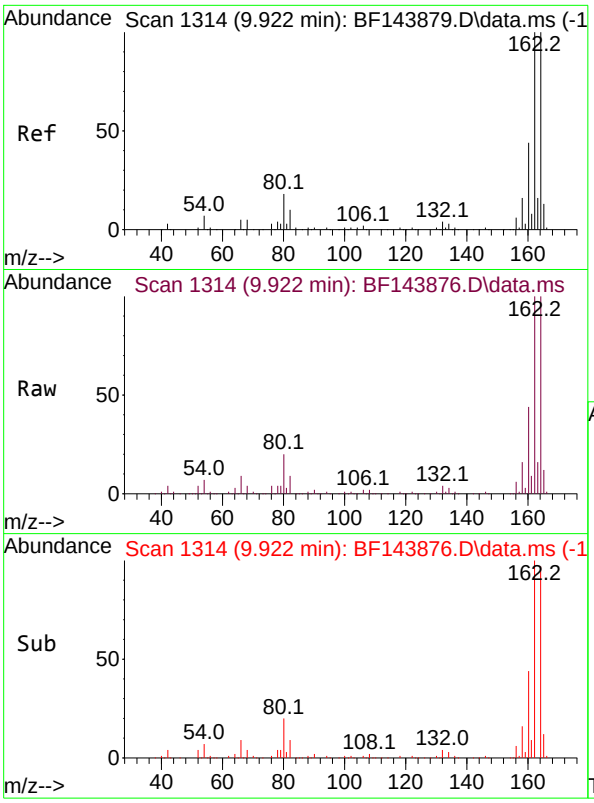


#38
1-Methylnaphthalene
Concen: 6.114 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:142 Resp: 94190

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.8	106.2

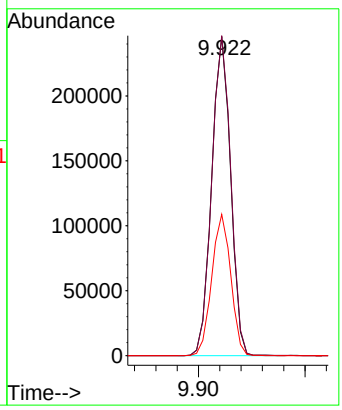




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:164 Resp: 30323

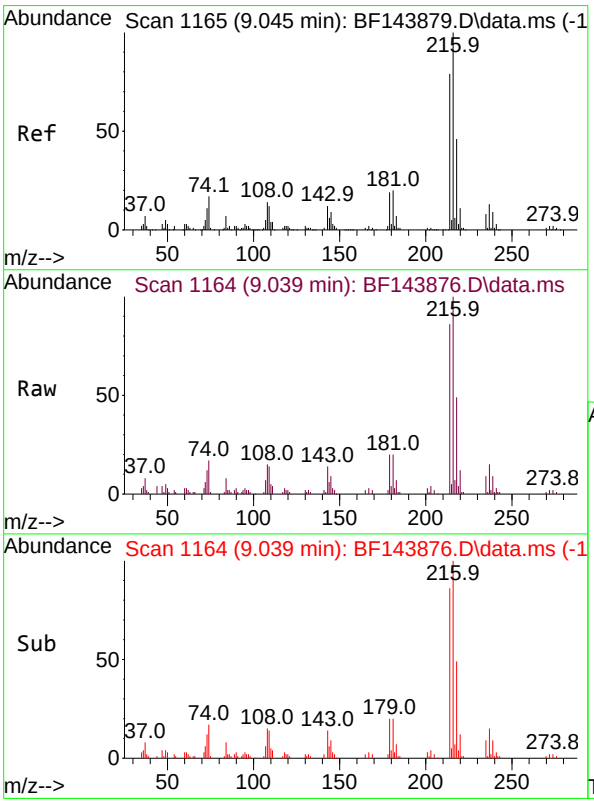
Ion	Ratio	Lower	Upper
164	100		
162	100.3	80.2	120.2
160	44.3	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

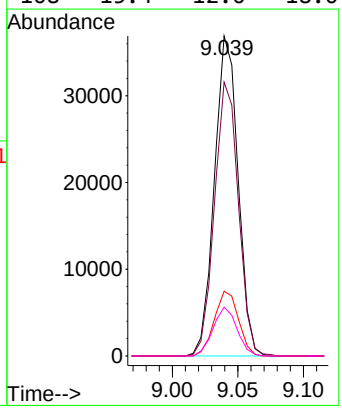
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

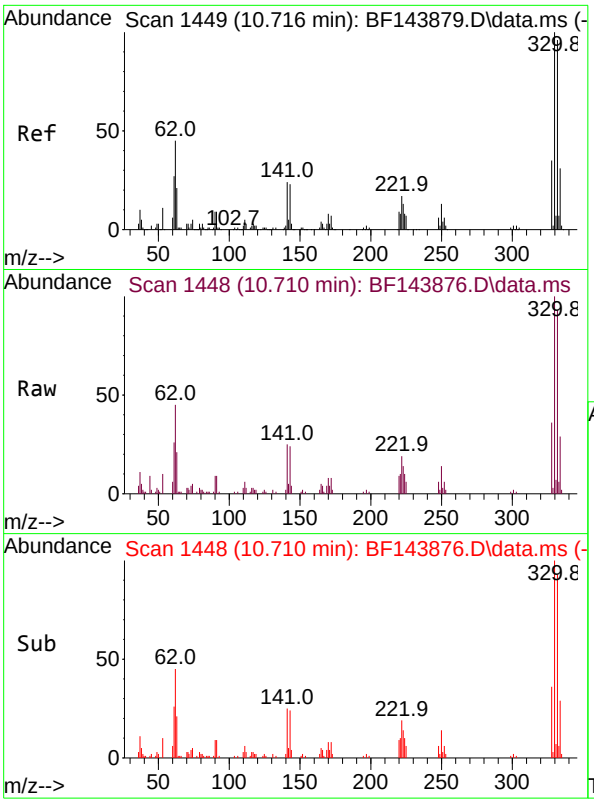


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.519 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

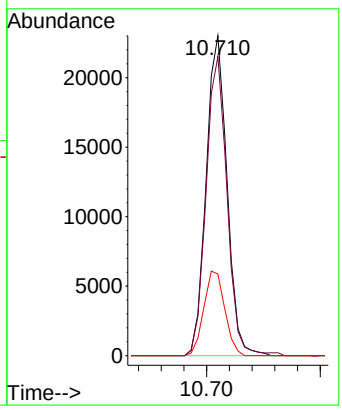




#42
2,4,6-Tribromophenol
Concen: 9.721 ng
RT: 10.710 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:330 Resp: 2936

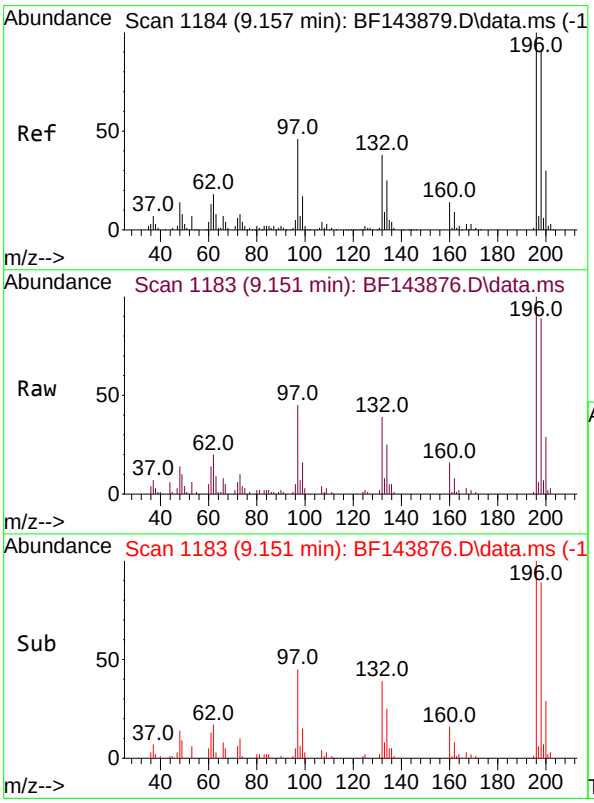
Ion	Ratio	Lower	Upper
330	100		
332	93.9	76.9	115.3
141	26.6	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

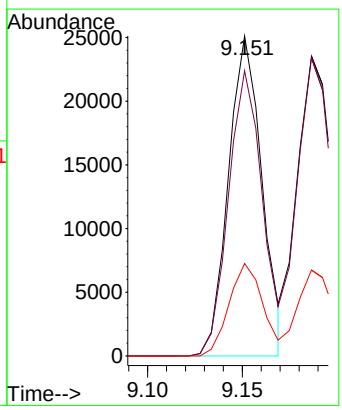
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

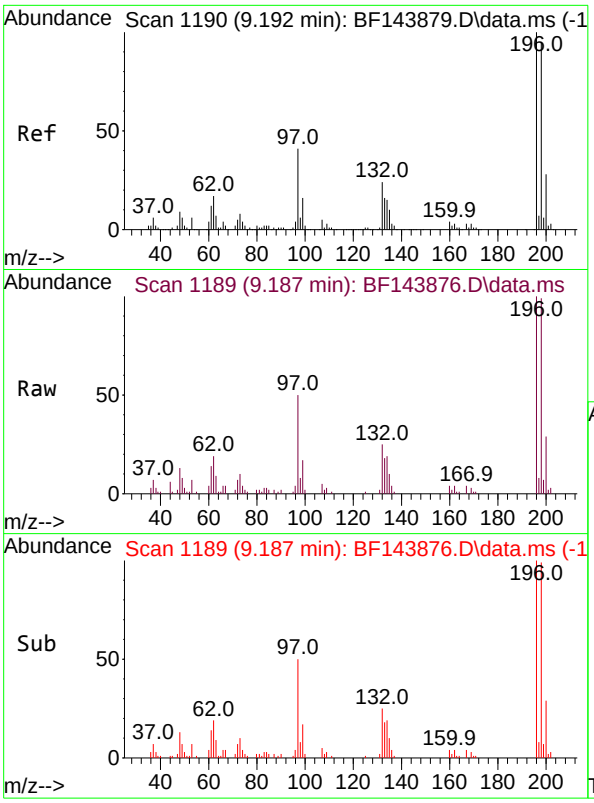


#43
2,4,6-Trichlorophenol
Concen: 5.047 ng
RT: 9.151 min Scan# 1183
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

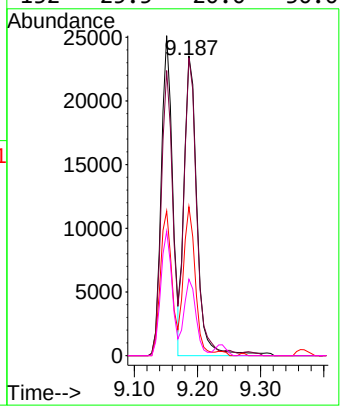




#44
2,4,5-Trichlorophenol
Concen: 5.194 ng
RT: 9.187 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:196 Resp: 3361

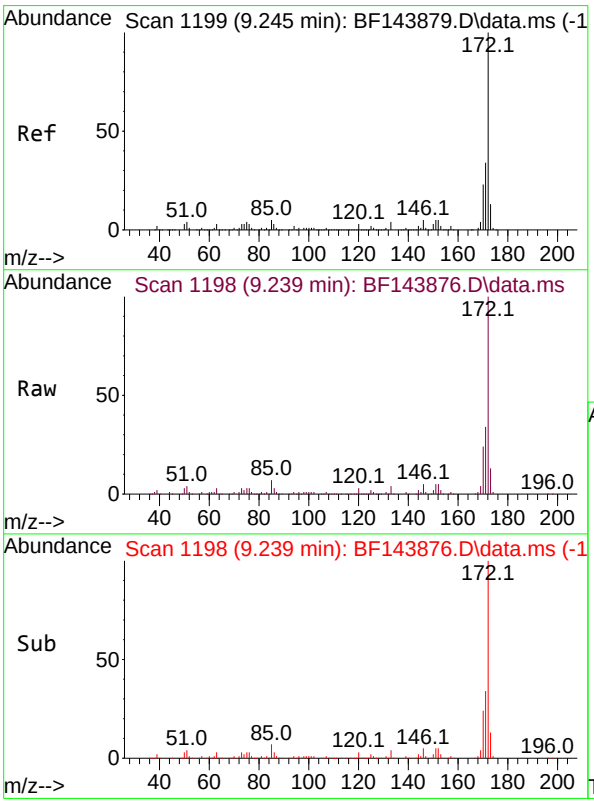
Ion	Ratio	Lower	Upper
196	100		
198	99.4	75.5	113.3
97	49.7	33.9	50.9
132	25.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

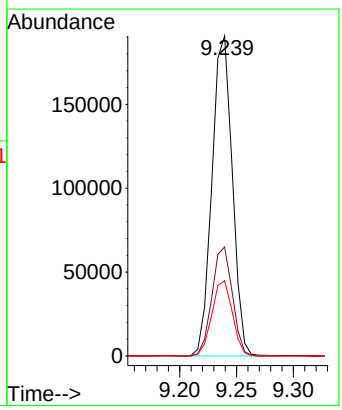
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

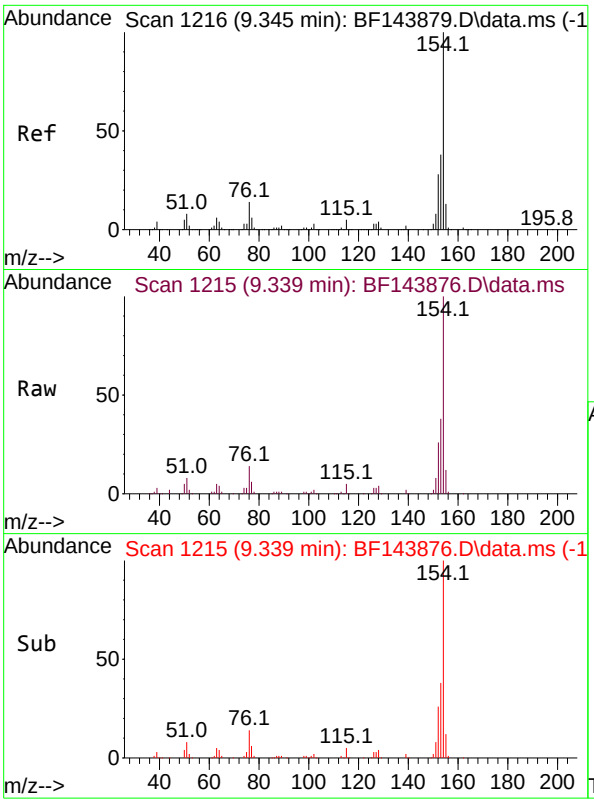


#45
2-Fluorobiphenyl
Concen: 12.438 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

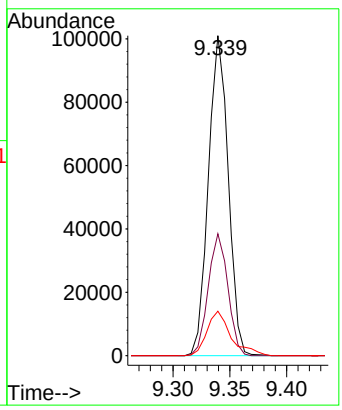




#46
1,1'-Biphenyl
Concen: 6.105 ng
RT: 9.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:154 Resp: 12256

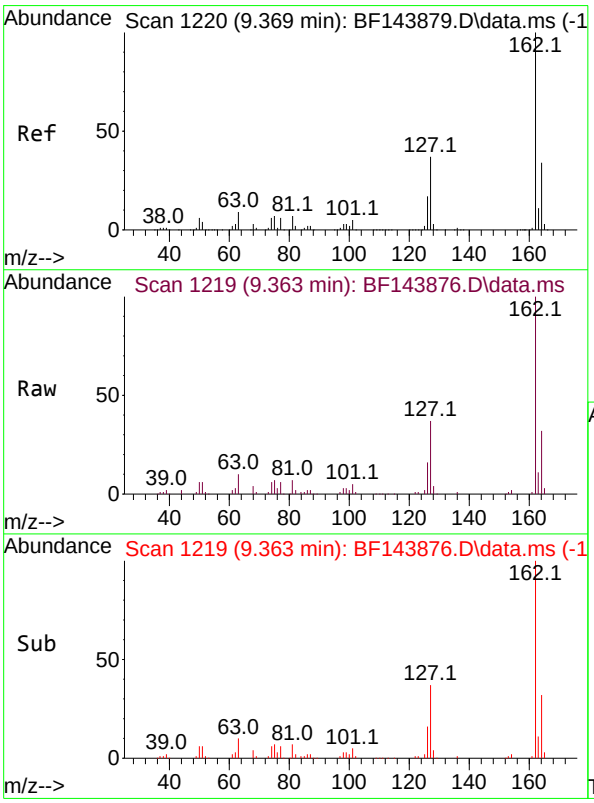
Ion	Ratio	Lower	Upper
154	100		
153	38.1	18.4	58.4
76	13.9	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

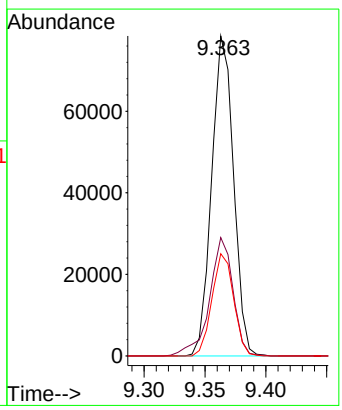
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

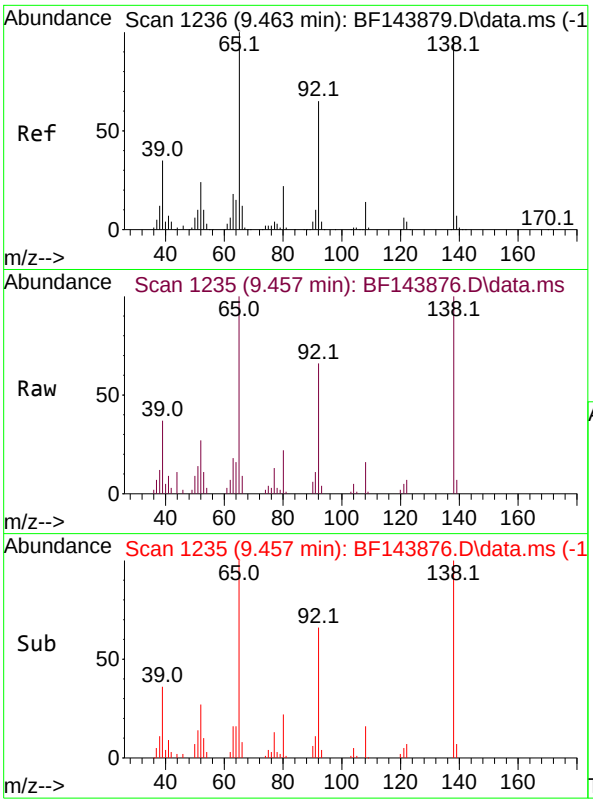


#47
2-Chloronaphthalene
Concen: 5.861 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

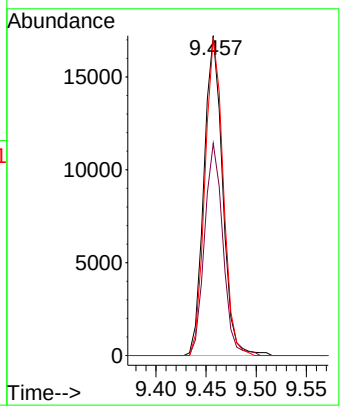




#48
2-Nitroaniline
Concen: 4.193 ng
RT: 9.457 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion: 65 Resp: 2218

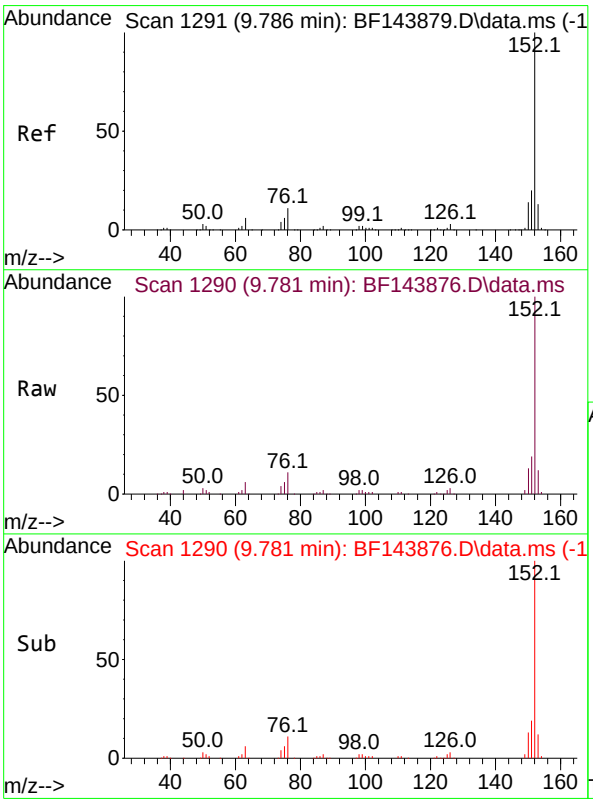
Ion	Ratio	Lower	Upper
65	100		
92	66.3	52.1	78.1
138	99.6	77.4	116.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

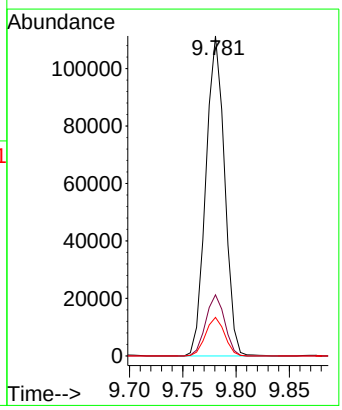
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

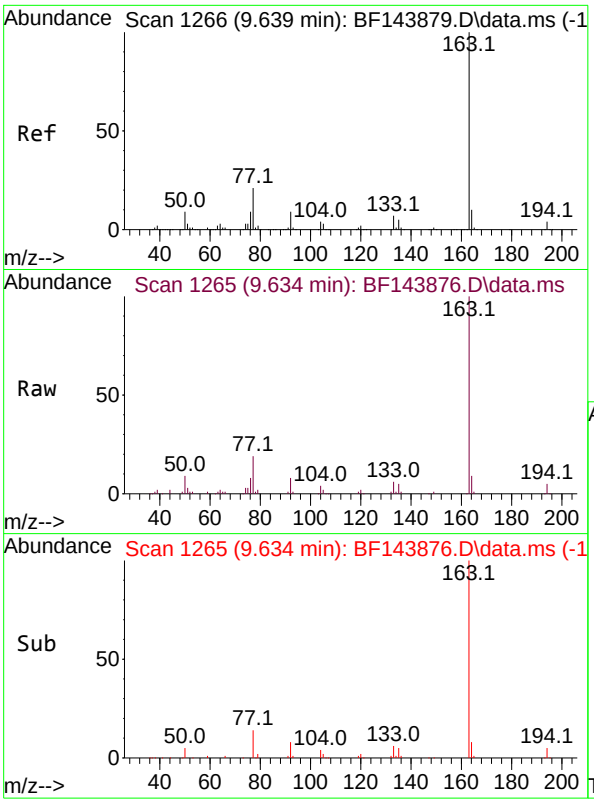


#49
Acenaphthylene
Concen: 5.788 ng
RT: 9.781 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

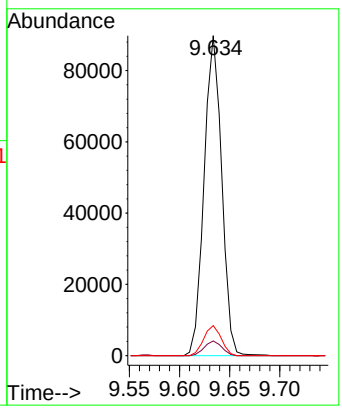




#50
Dimethylphthalate
Concen: 5.677 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:163 Resp: 10932

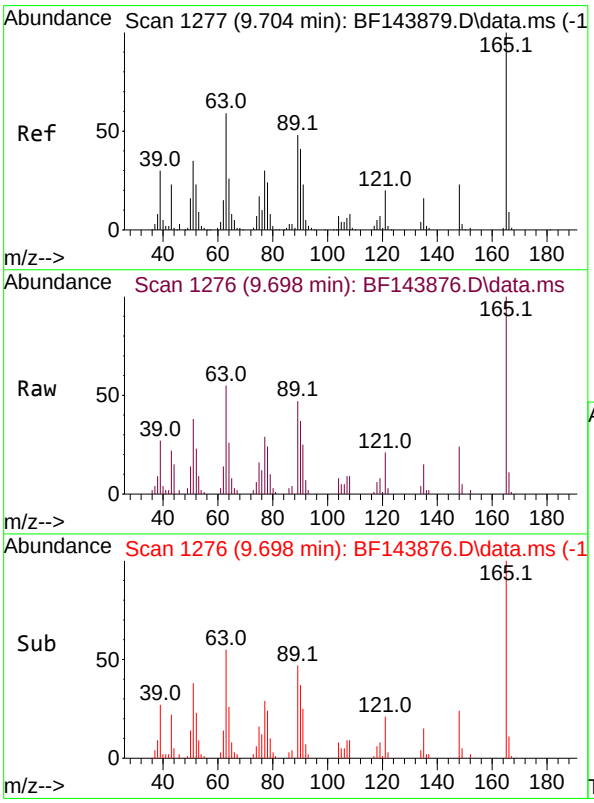
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.3	4.9
164	9.4	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

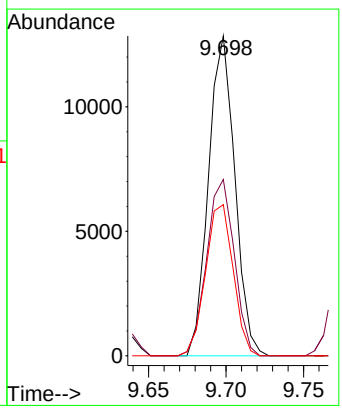
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

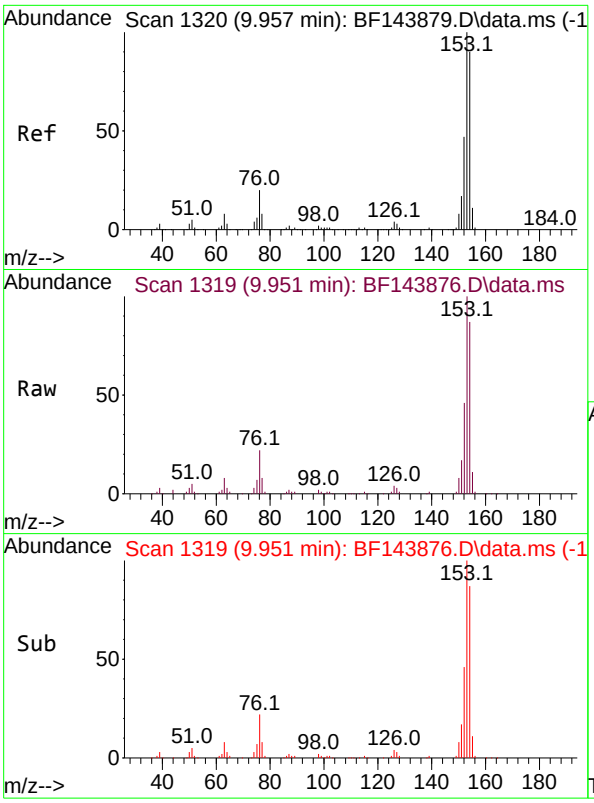


#51
2,6-Dinitrotoluene
Concen: 4.265 ng
RT: 9.698 min Scan# 1276
Delta R.T. -0.018 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

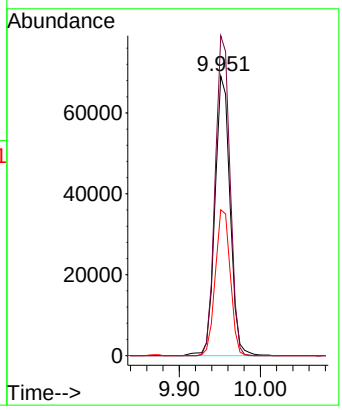




#52
Acenaphthene
Concen: 5.787 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:154 Resp: 8924

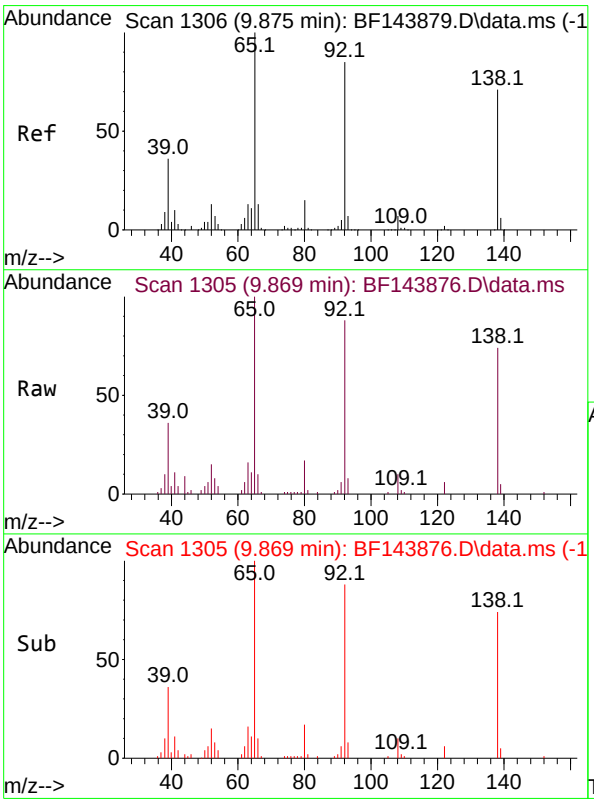
Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.3	133.9
152	52.2	42.2	63.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

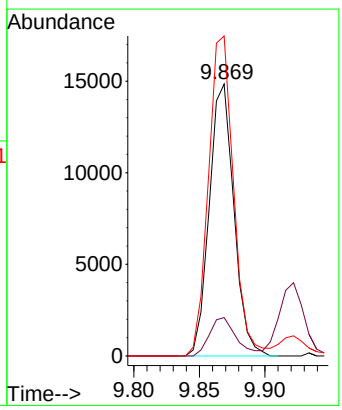
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

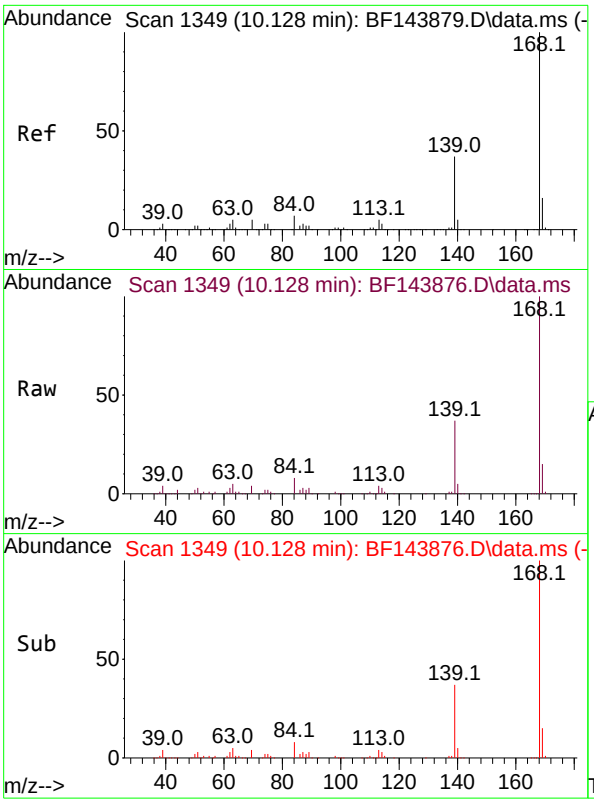


#53
3-Nitroaniline
Concen: 4.437 ng
RT: 9.869 min Scan# 1305
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

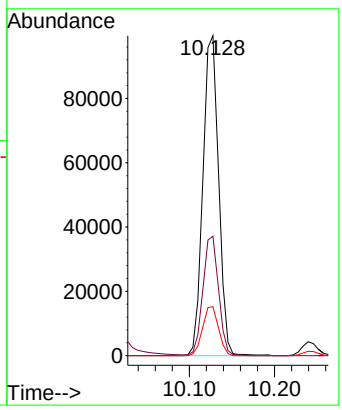




#55
Dibenzofuran
Concen: 5.852 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:168 Resp: 12737

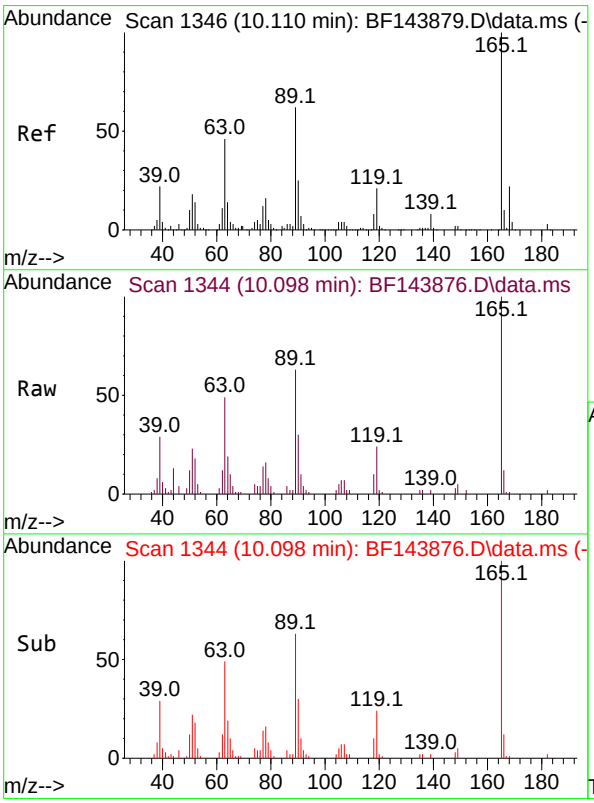
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.8
169	15.3	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

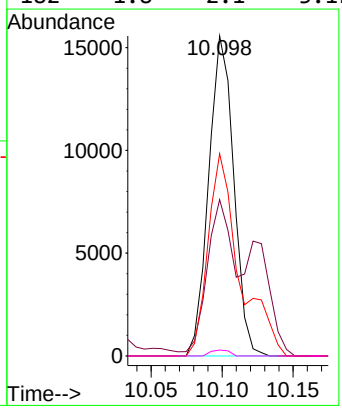
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

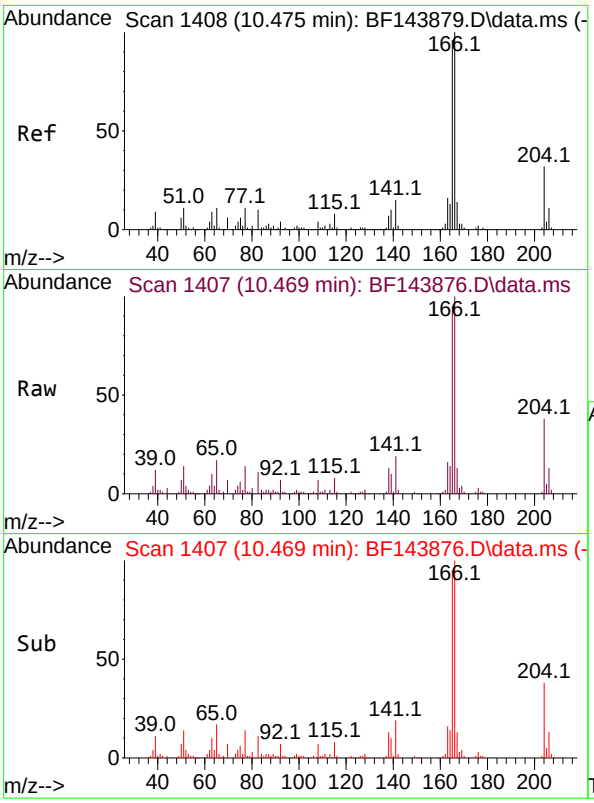


#57
2,4-Dinitrotoluene
Concen: 3.932 ng
RT: 10.098 min Scan# 1344
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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#

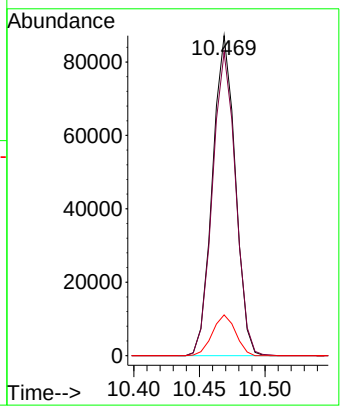




#58
Fluorene
Concen: 6.430 ng
RT: 10.469 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:166 Resp: 10560

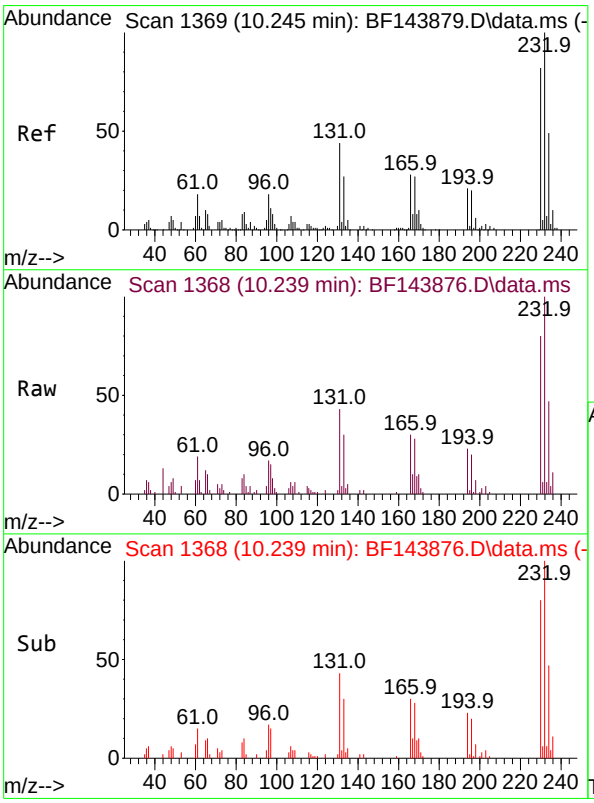
Ion	Ratio	Lower	Upper
166	100		
165	94.8	77.0	115.6
167	12.7	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

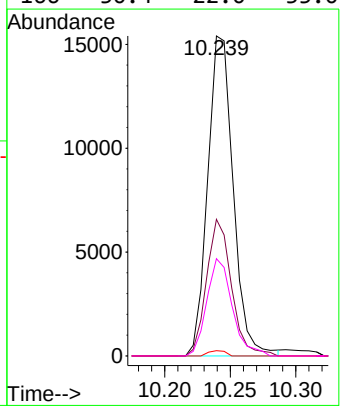
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

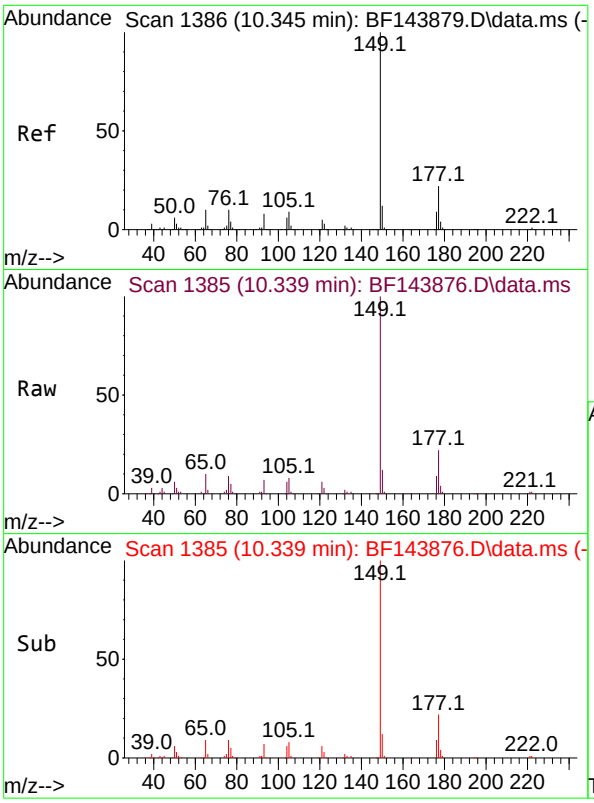


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.560 ng
RT: 10.239 min Scan# 1368
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

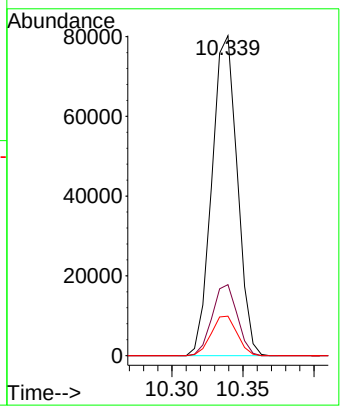




#60
Diethylphthalate
Concen: 5.590 ng
RT: 10.339 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 10001

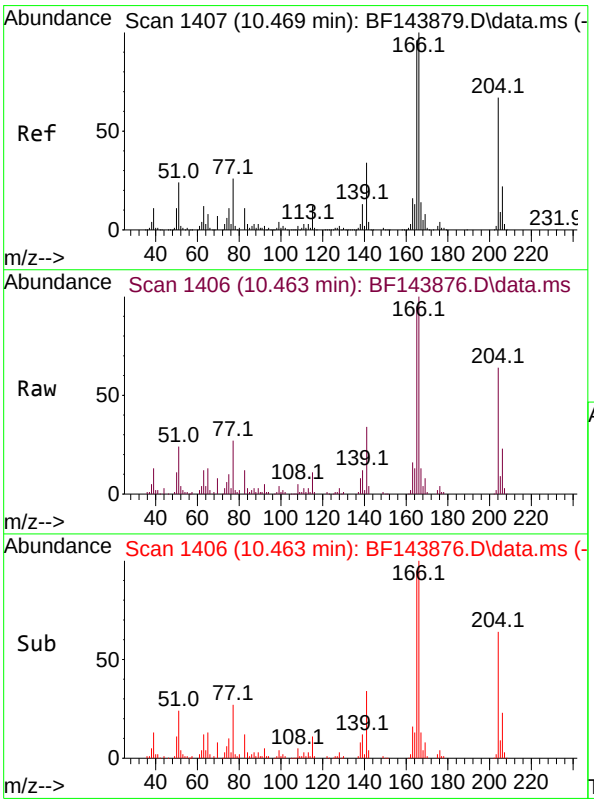
Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.3	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

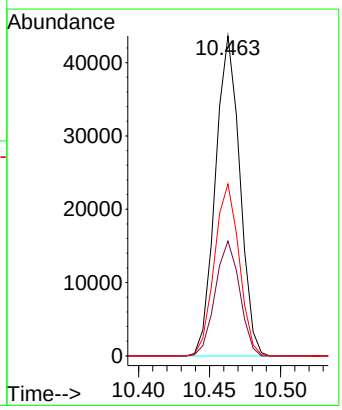
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

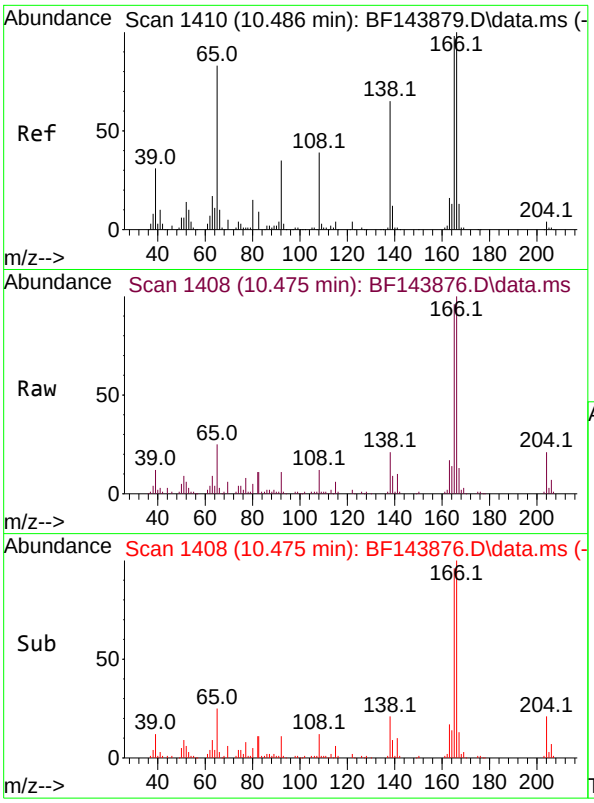


#61
4-Chlorophenyl-phenylether
Concen: 6.011 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

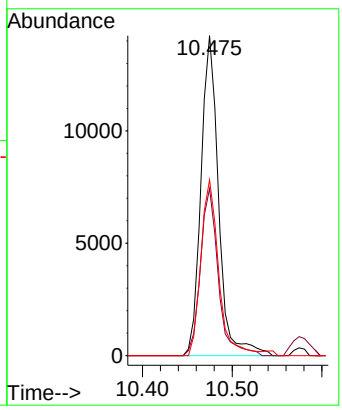




#62
4-Nitroaniline
Concen: 4.625 ng
RT: 10.475 min Scan# 14
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:138 Resp: 1944

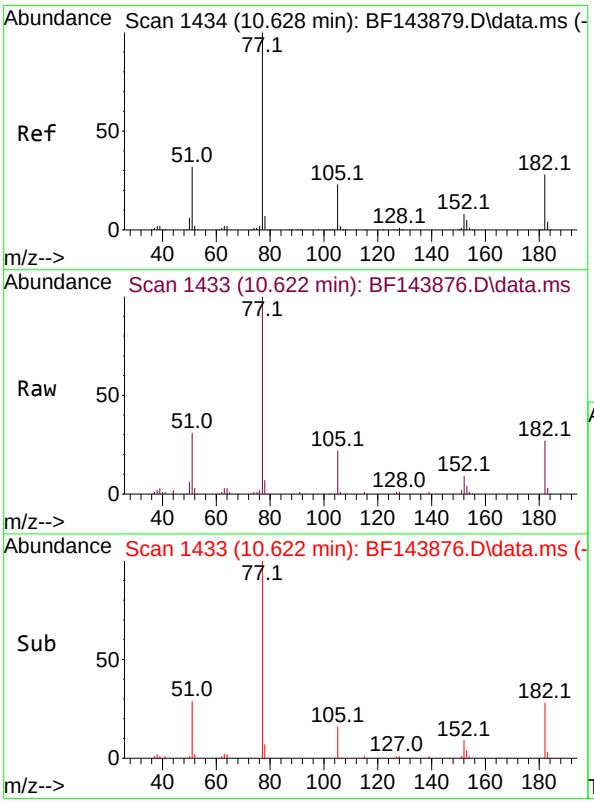
Ion	Ratio	Lower	Upper
138	100		
92	52.2	33.9	73.9
108	54.9	40.2	80.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

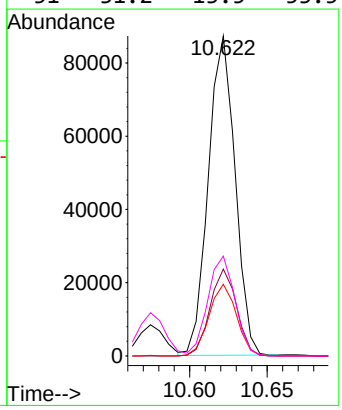
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

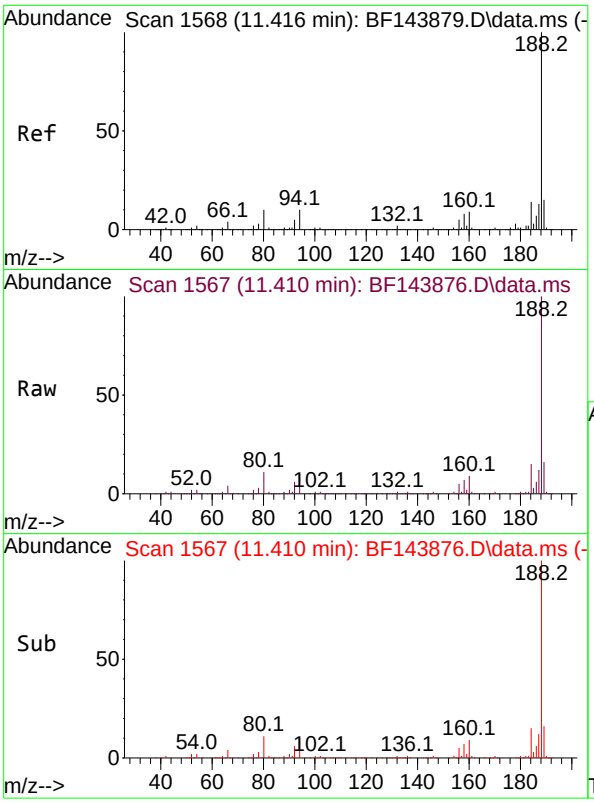


#63
Azobenzene
Concen: 5.625 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

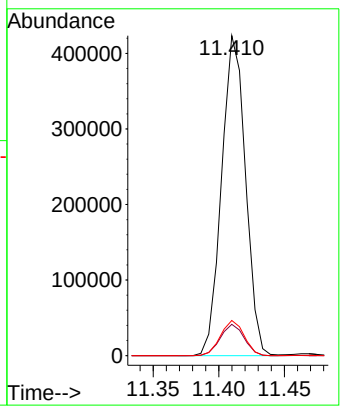




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:188 Resp: 538298

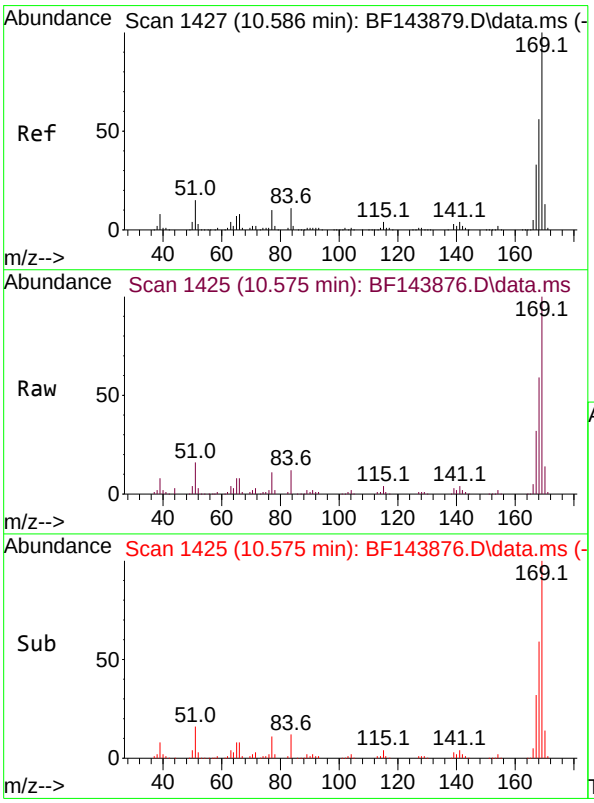
Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.8	11.6
80	11.0	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

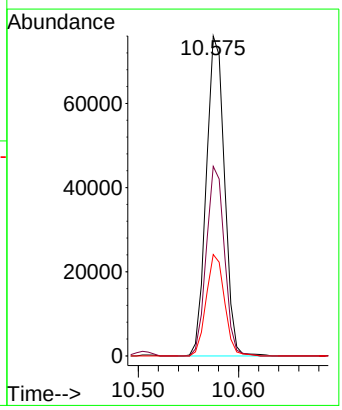
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

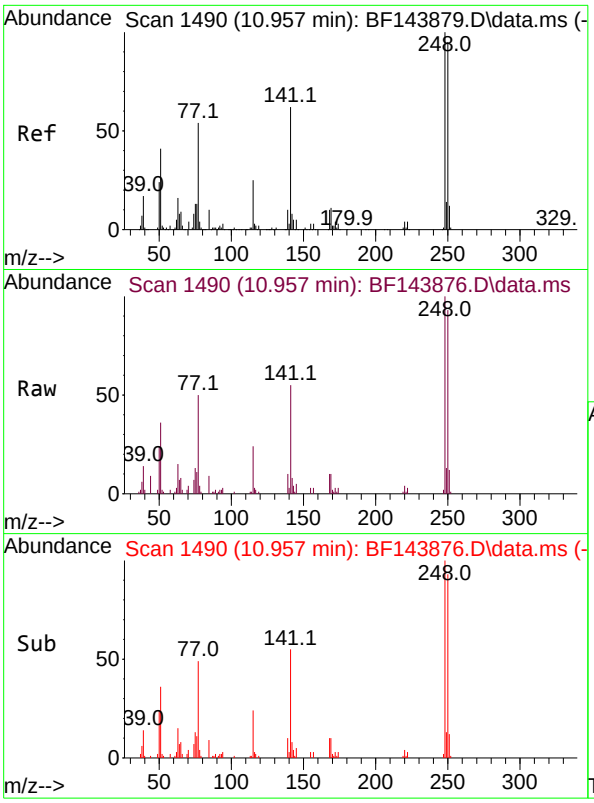


#66
n-Nitrosodiphenylamine
Concen: 5.671 ng
RT: 10.575 min Scan# 1425
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

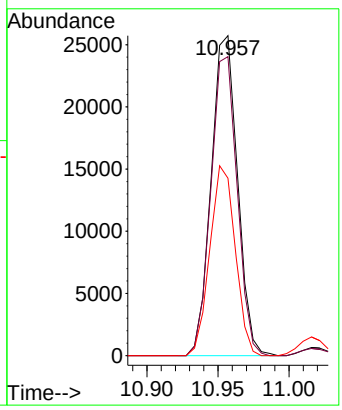
Tgt Ion:248 Resp: 3323

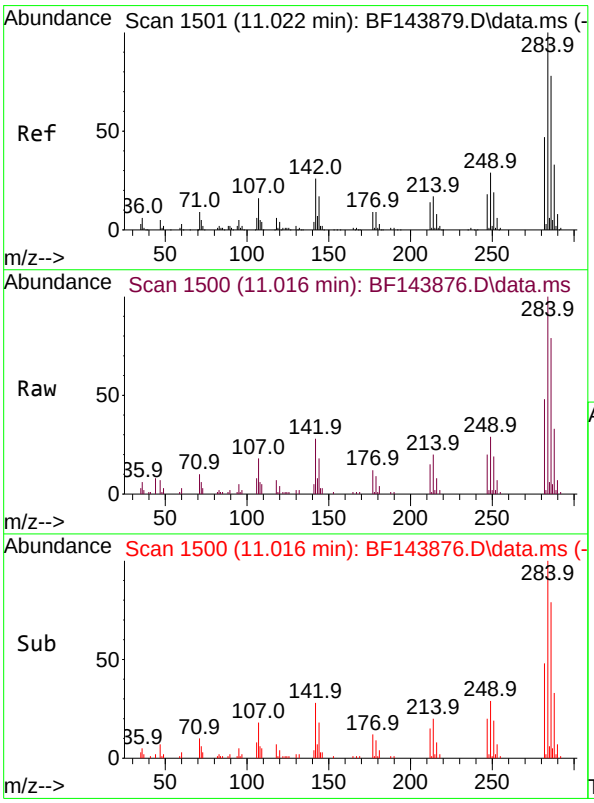
Ion	Ratio	Lower	Upper
248	100		
250	93.4	76.3	114.5
141	55.4	49.7	74.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

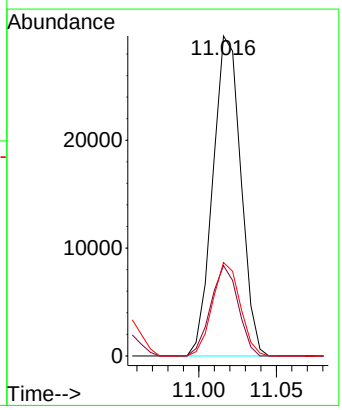


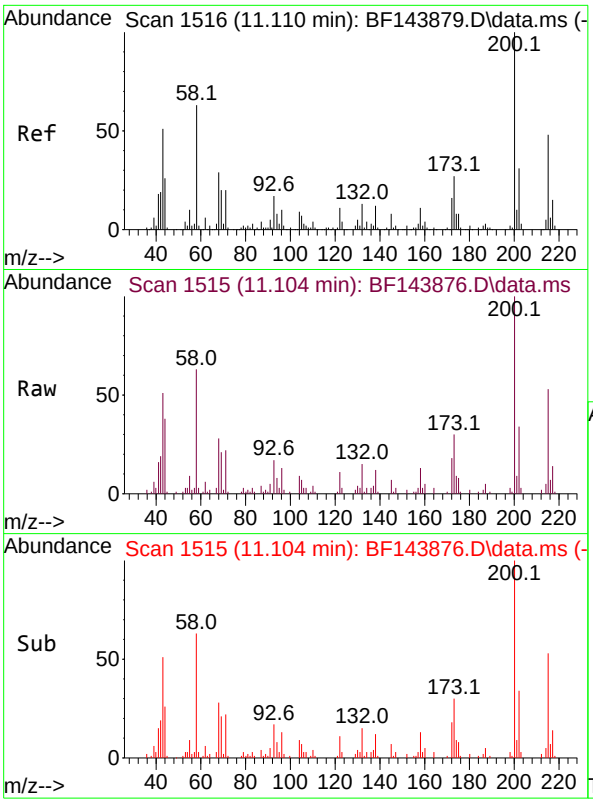


#68
Hexachlorobenzene
Concen: 5.406 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

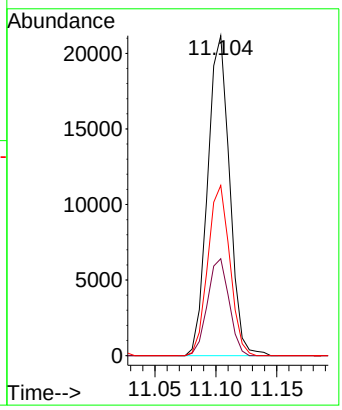




#69
Atrazine
Concen: 5.174 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:200 Resp: 2650

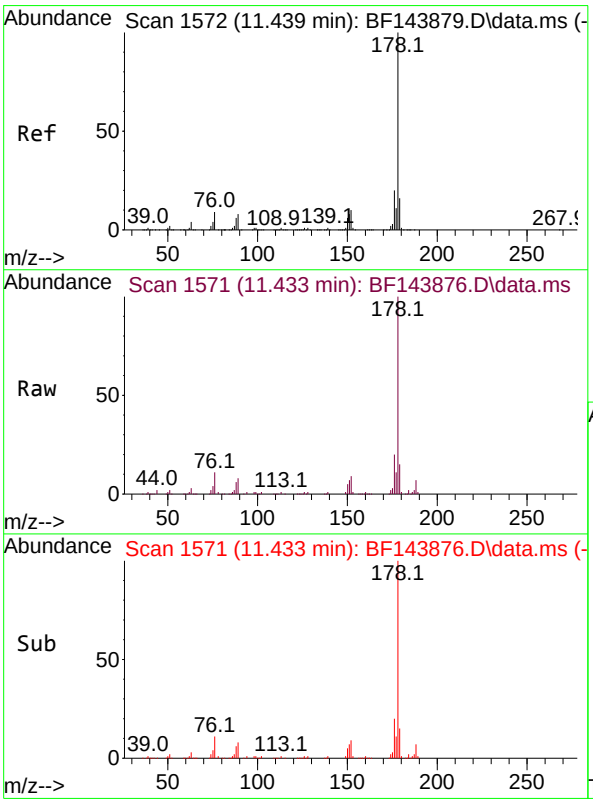
Ion	Ratio	Lower	Upper
200	100		
173	30.3	7.0	47.0
215	53.2	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

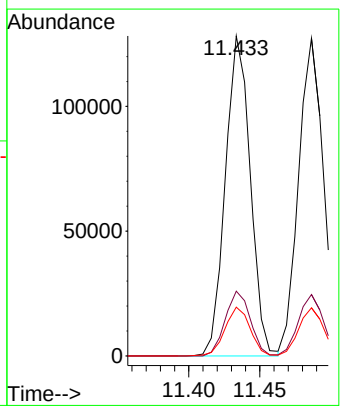
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

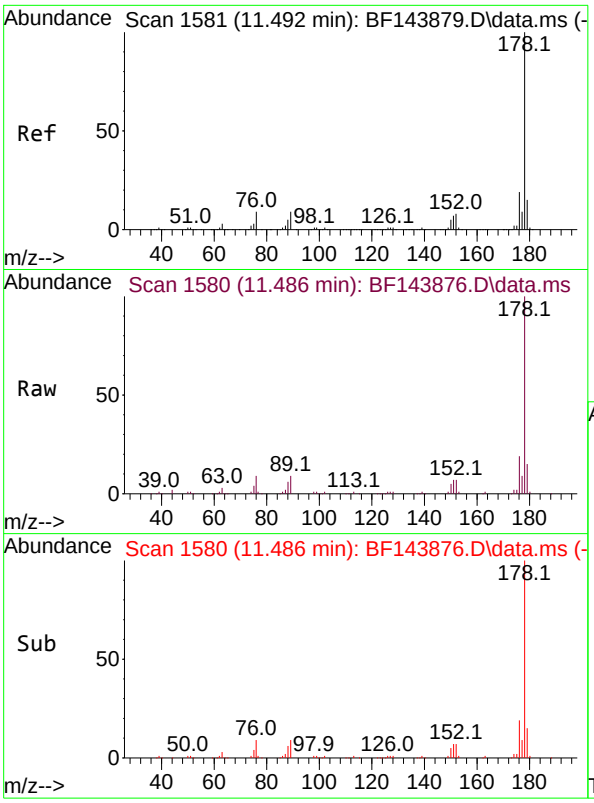


#71
Phenanthrene
Concen: 6.004 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

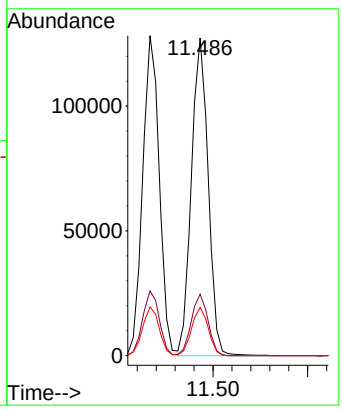




#72
Anthracene
Concen: 5.928 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:178 Resp: 15628

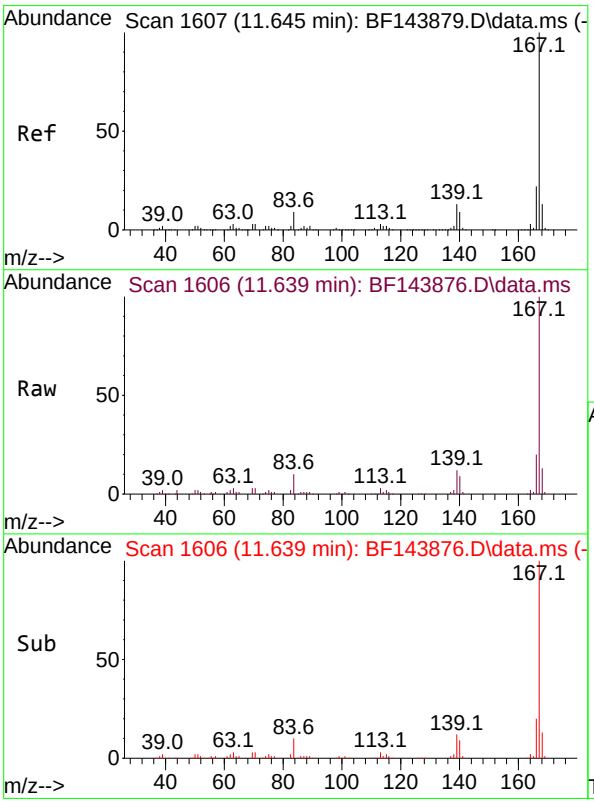
Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	15.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

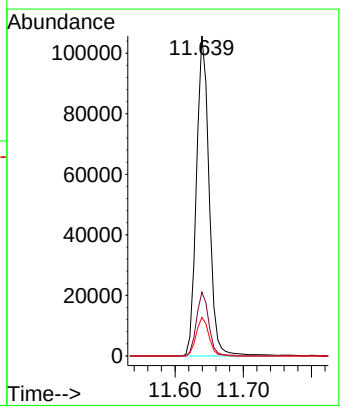
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

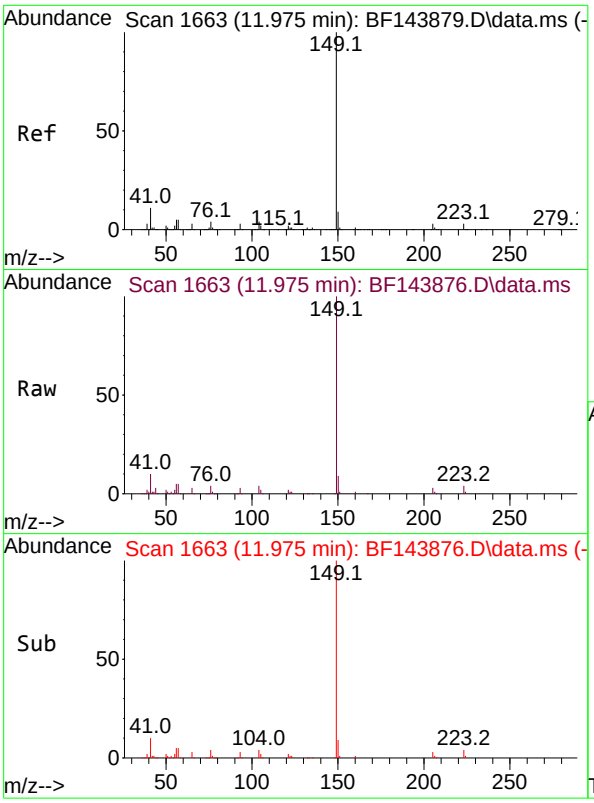


#73
Carbazole
Concen: 5.850 ng
RT: 11.639 min Scan# 1606
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

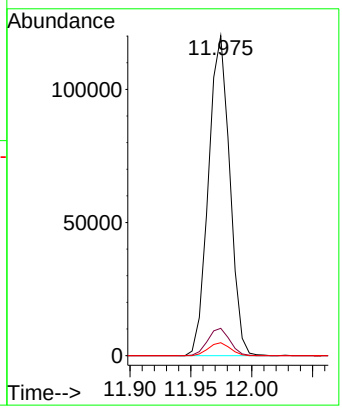




#74
Di-n-butylphthalate
Concen: 5.417 ng
RT: 11.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 14659

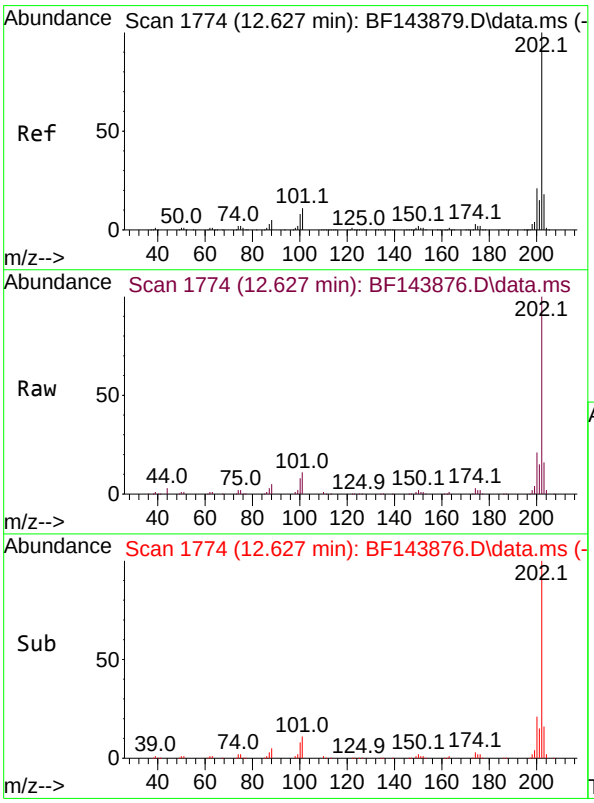
Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.4	11.2
104	4.0	3.4	5.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

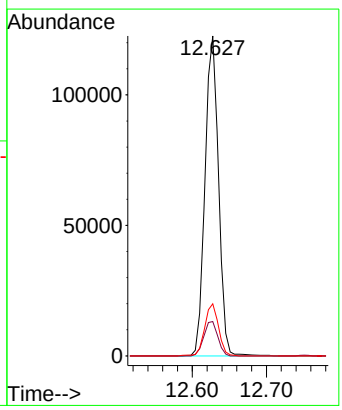
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

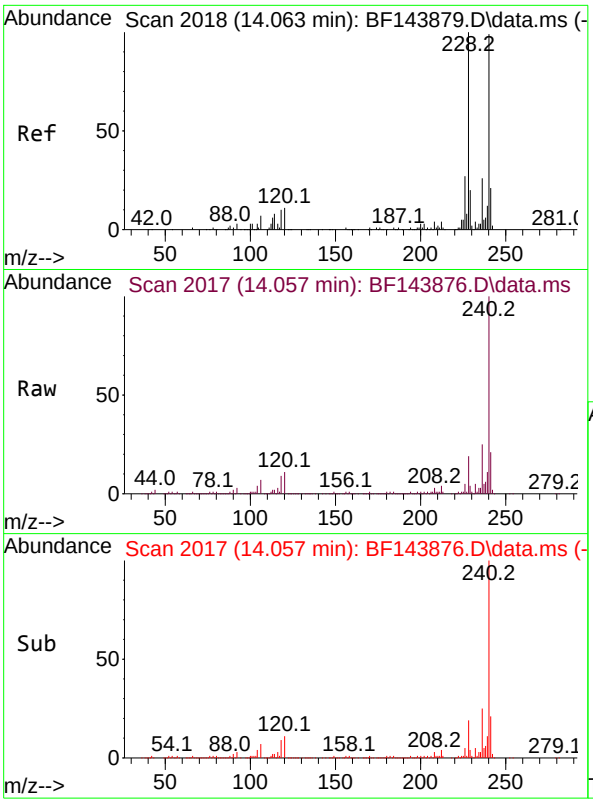


#75
Fluoranthene
Concen: 5.771 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

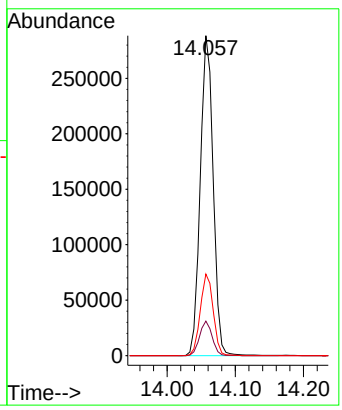




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2(
Delta R.T. -0.011 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:240 Resp: 37993

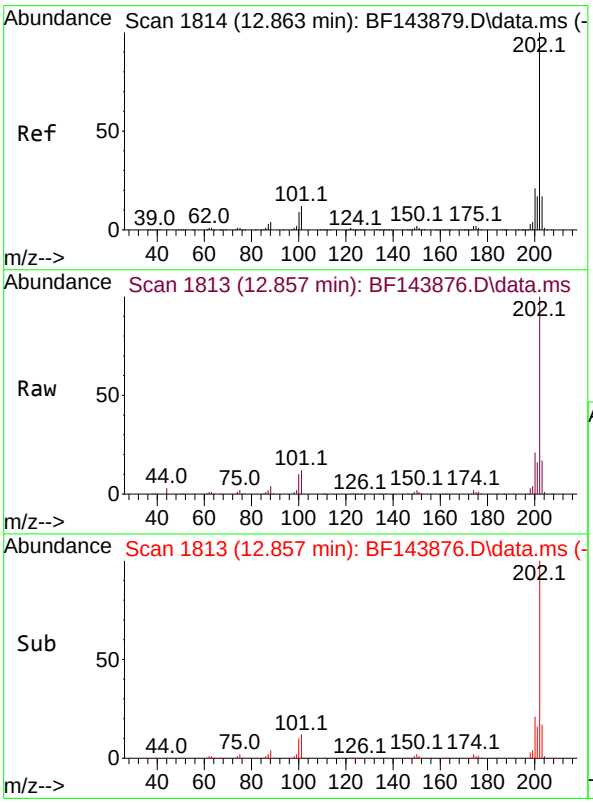
Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.6	13.0
236	25.5	21.1	31.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

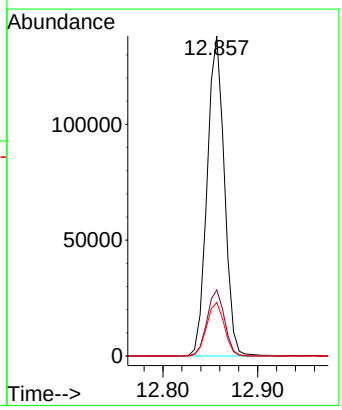
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

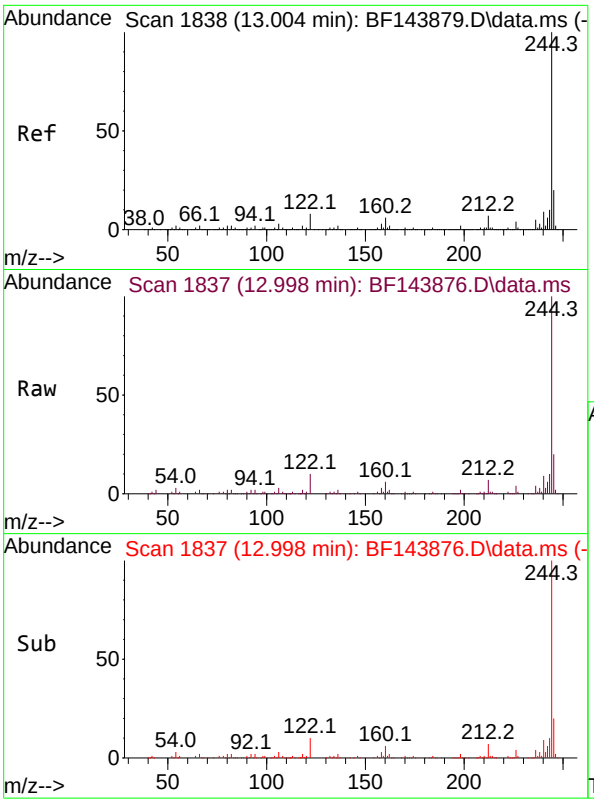


#78
Pyrene
Concen: 5.510 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

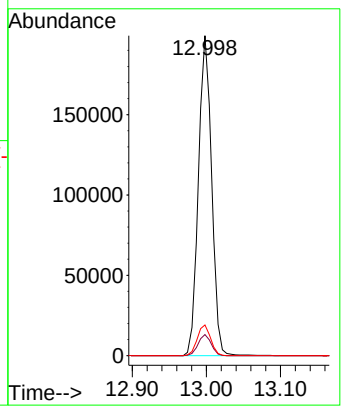




#79
Terphenyl-d14
Concen: 11.121 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:244 Resp: 24722

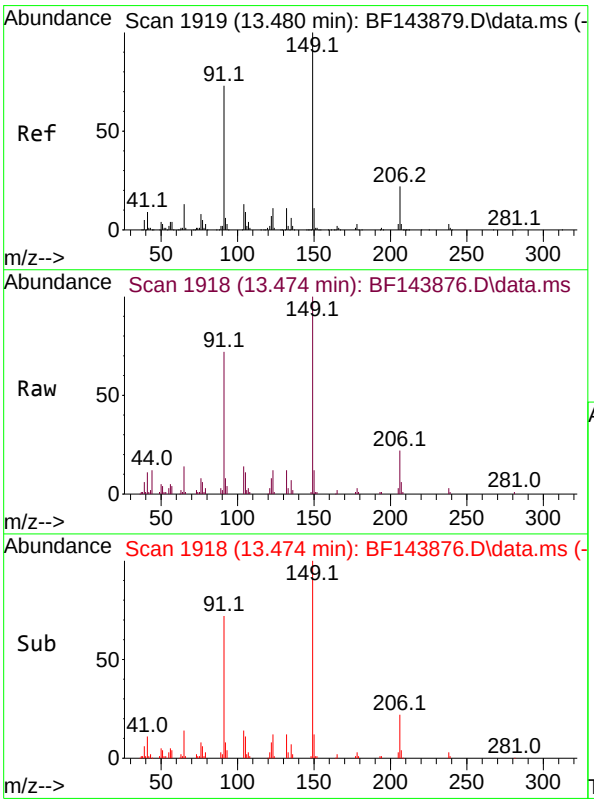
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.6	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

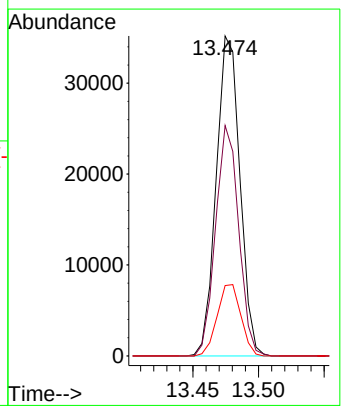
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

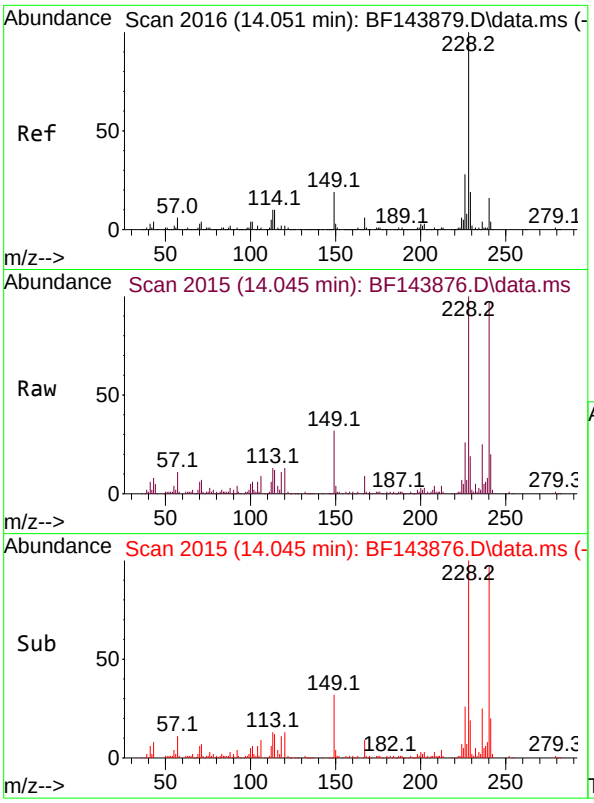


#80
Butylbenzylphthalate
Concen: 4.302 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

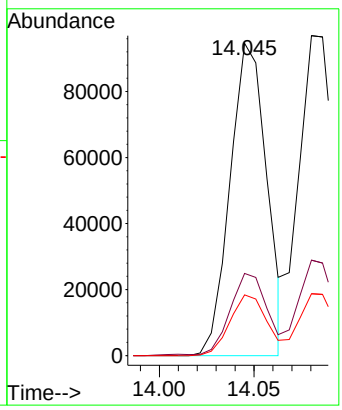




#81
Benzo(a)anthracene
Concen: 5.125 ng
RT: 14.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:228 Resp: 12743

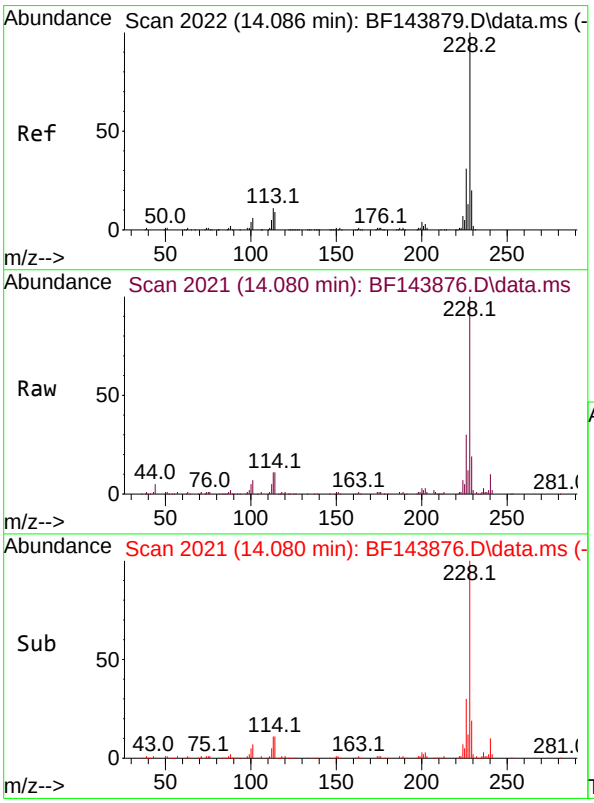
Ion	Ratio	Lower	Upper
228	100		
226	26.3	22.2	33.2
229	19.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

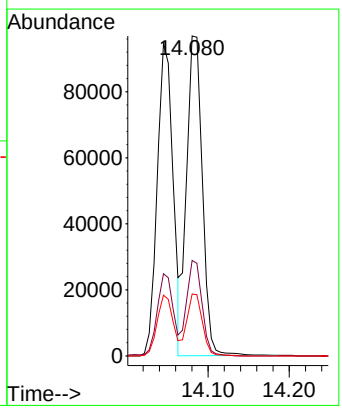
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

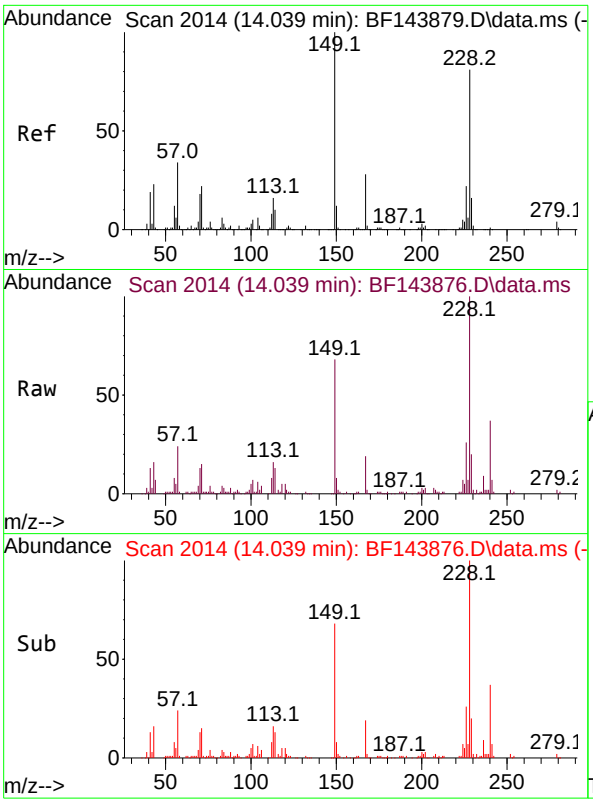


#83
Chrysene
Concen: 5.669 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

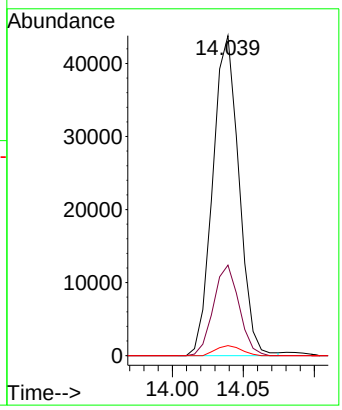




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.529 ng
RT: 14.039 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:149 Resp: 5616

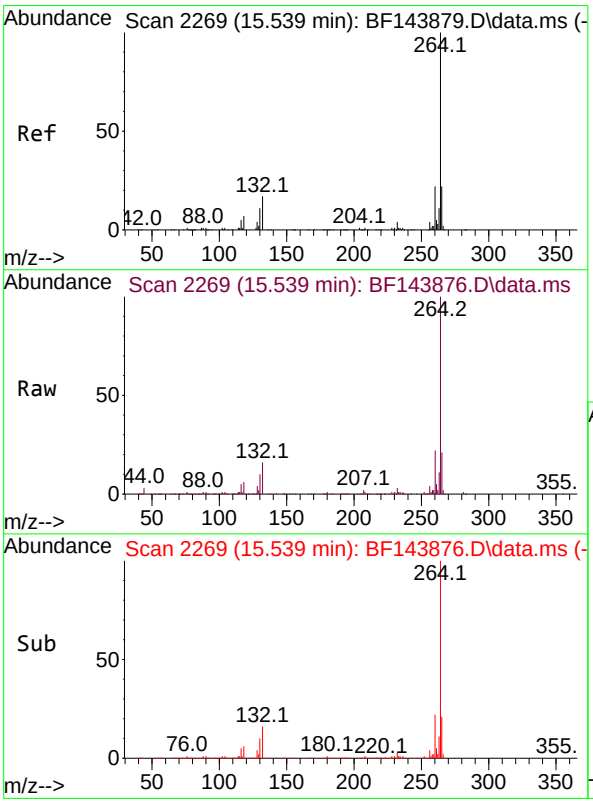
Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.2	33.4
279	3.1	3.1	4.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

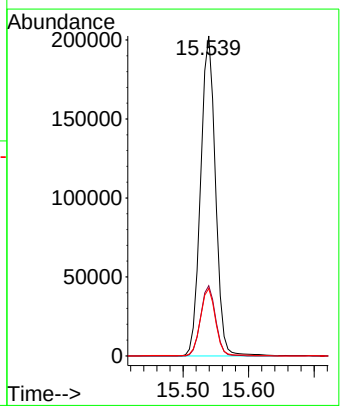
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

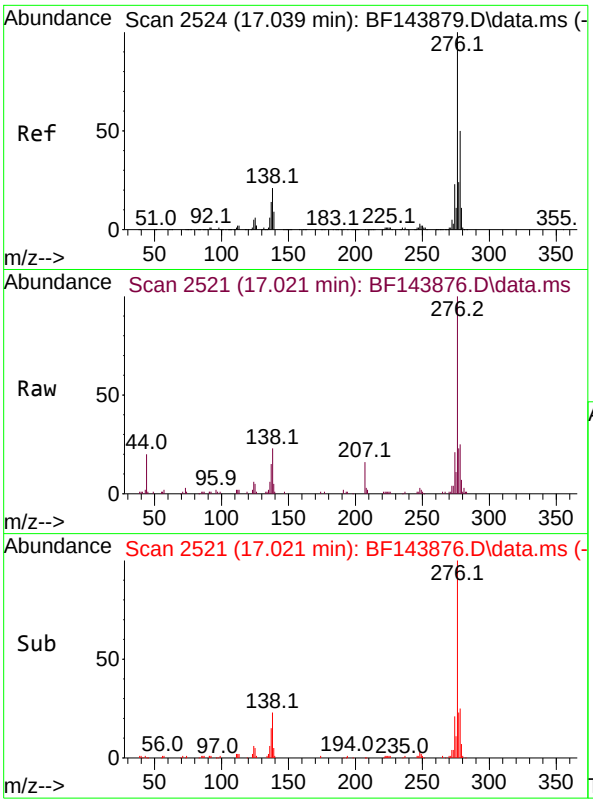


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

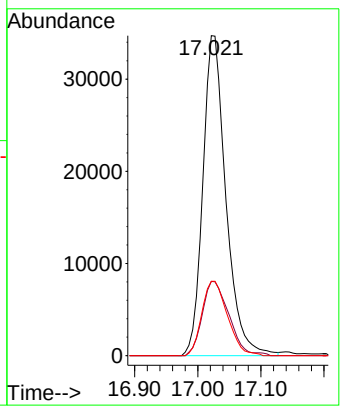




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.544 ng
RT: 17.021 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:276 Resp: 8832

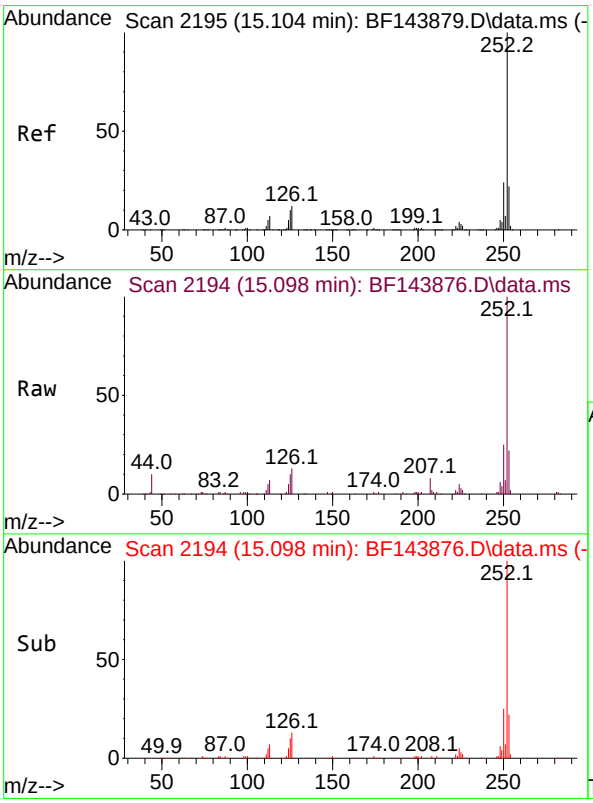
Ion	Ratio	Lower	Upper
276	100		
138	26.7	18.2	27.2
277	25.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

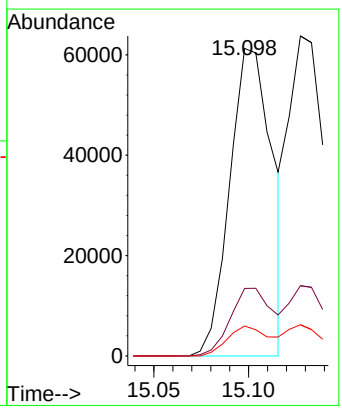
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

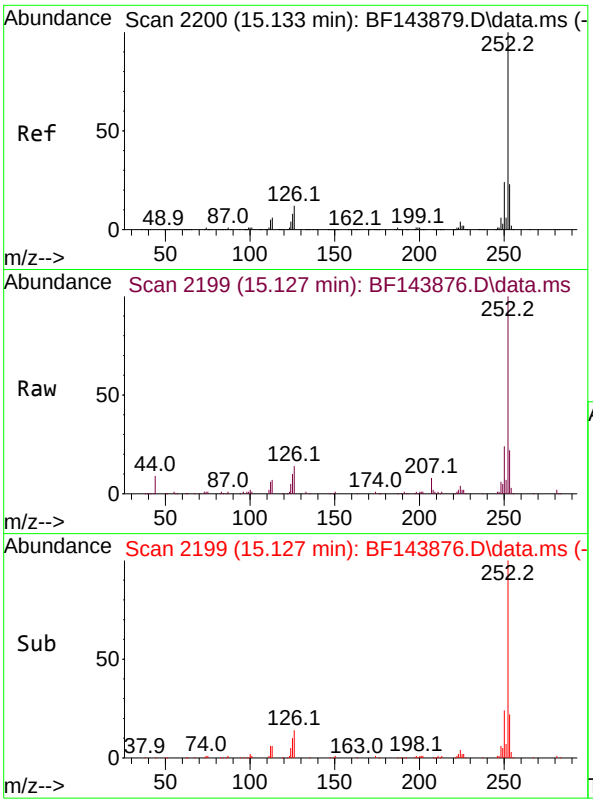


#88
Benzo(b)fluoranthene
Concen: 5.255 ng
RT: 15.098 min Scan# 2194
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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

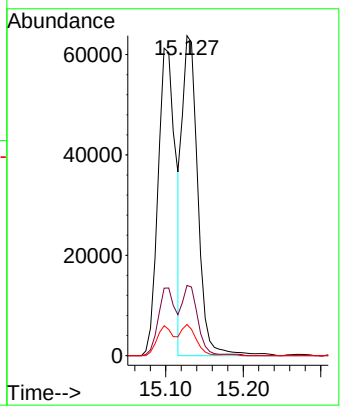




#89
Benzo(k)fluoranthene
Concen: 5.352 ng
RT: 15.127 min Scan# 21
Delta R.T. -0.017 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:252 Resp: 9022

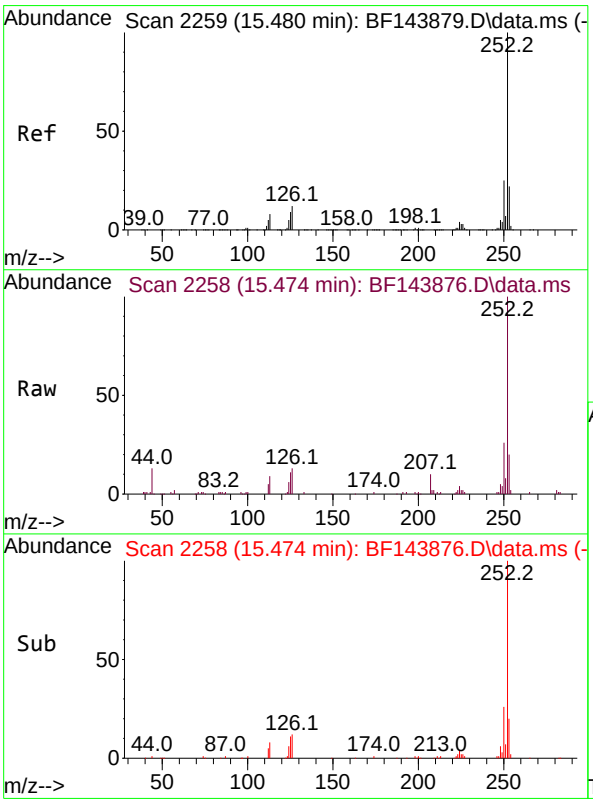
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	9.7	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

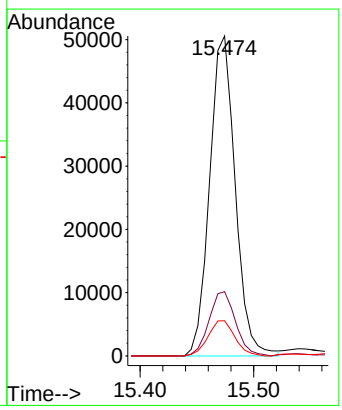
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

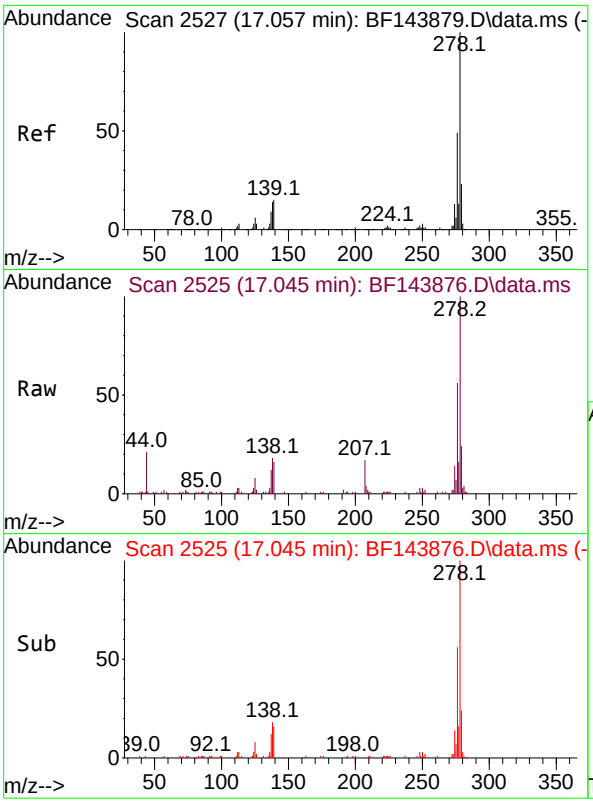


#90
Benzo(a)pyrene
Concen: 5.018 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

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#

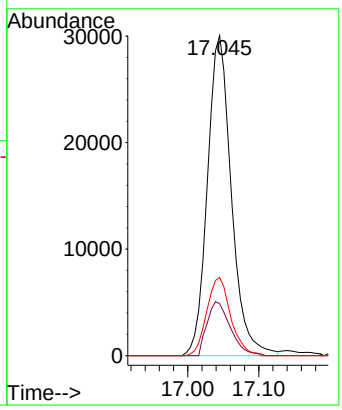




#91
Dibenzo(a,h)anthracene
Concen: 4.507 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143876.D
Acq: 06 Oct 2025 10:28

Tgt Ion:278 Resp: 7045

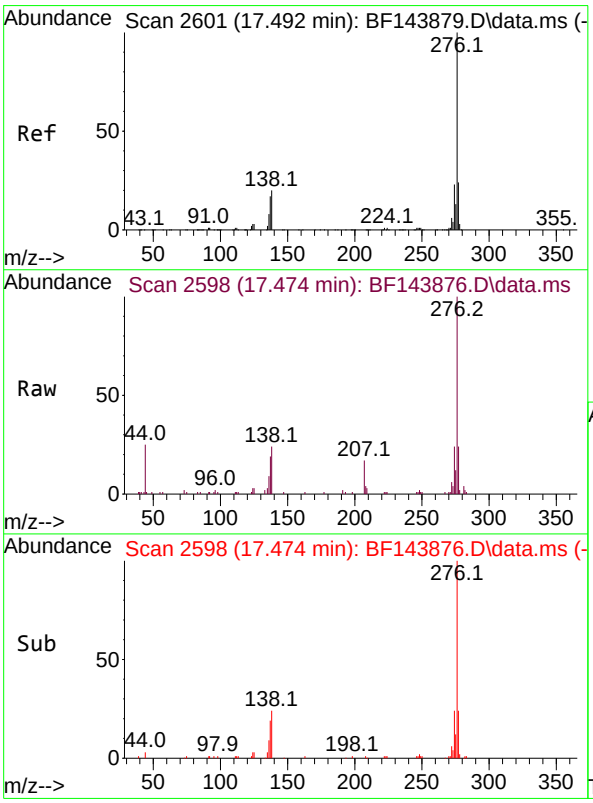
Ion	Ratio	Lower	Upper
278	100		
139	16.2	11.7	17.5
279	24.4	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

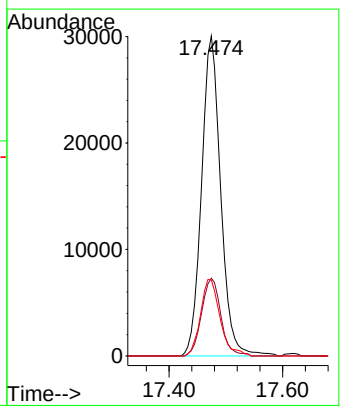
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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



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)
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

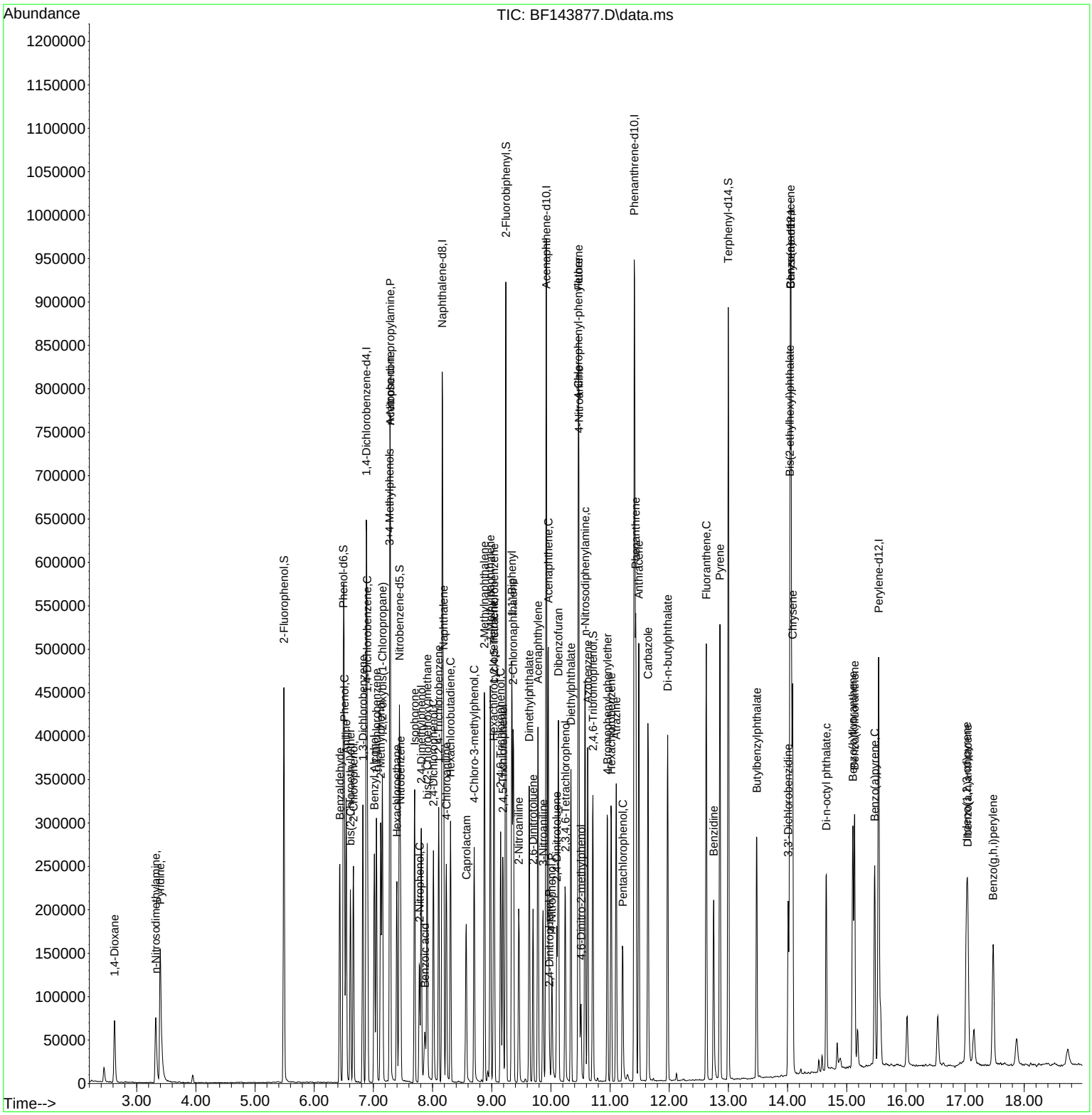
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143877.D
Acq On : 06 Oct 2025 10:57
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

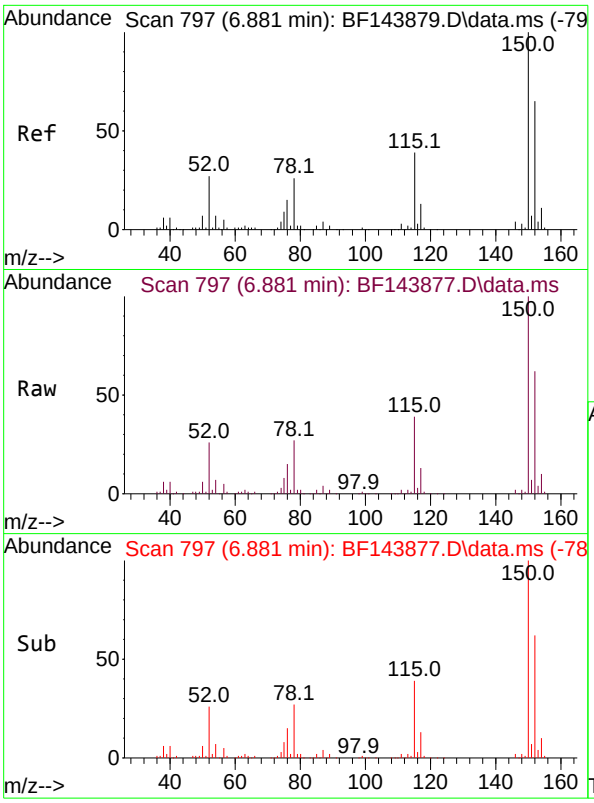
Quant Time: Oct 06 15:38:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

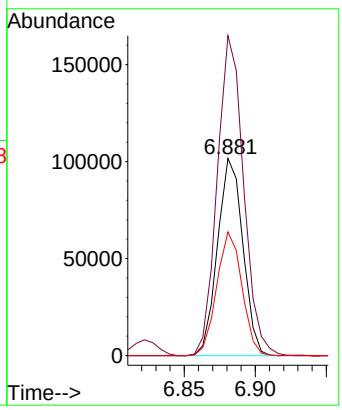




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:152 Resp: 12653

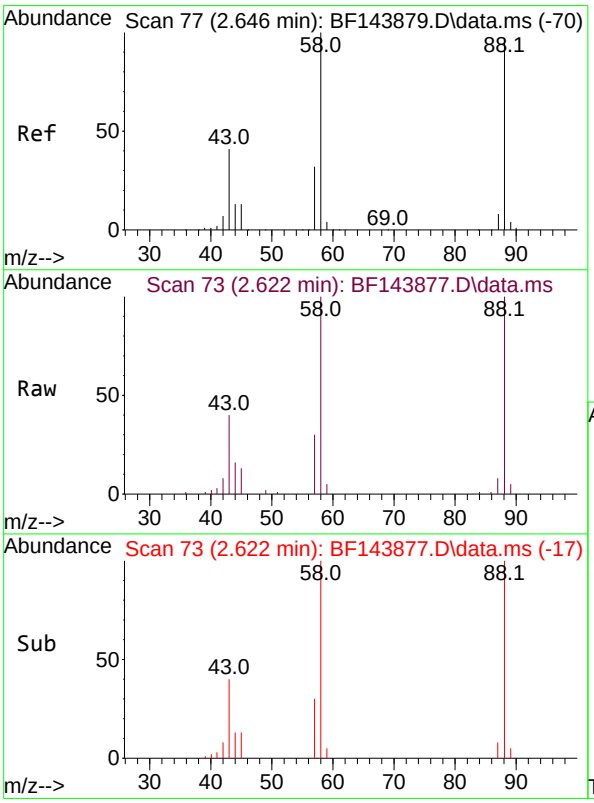
Ion	Ratio	Lower	Upper
152	100		
150	162.3	124.4	186.6
115	62.7	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

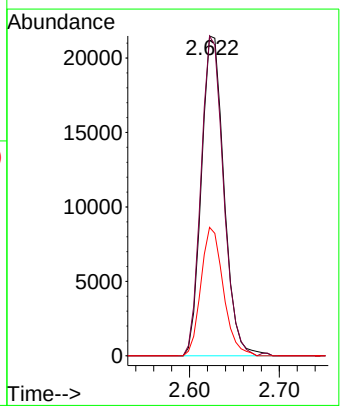
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

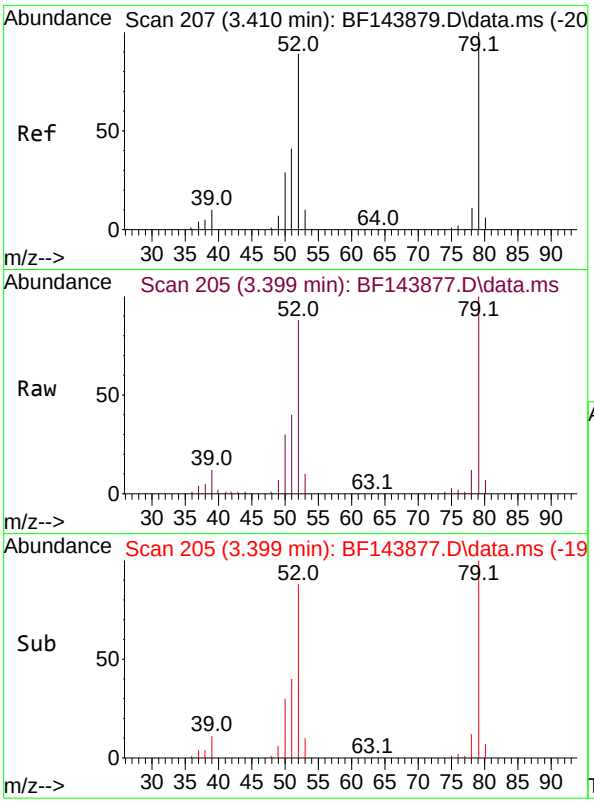


#2
1,4-Dioxane
Concen: 10.215 ng
RT: 2.622 min Scan# 73
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

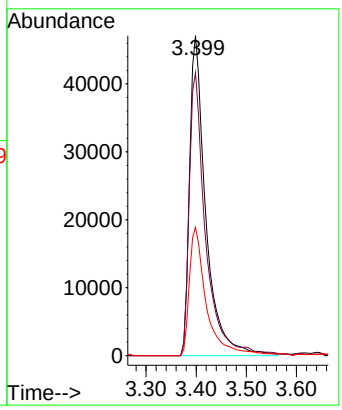




#3
Pyridine
Concen: 9.856 ng
RT: 3.399 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 79 Resp: 10580

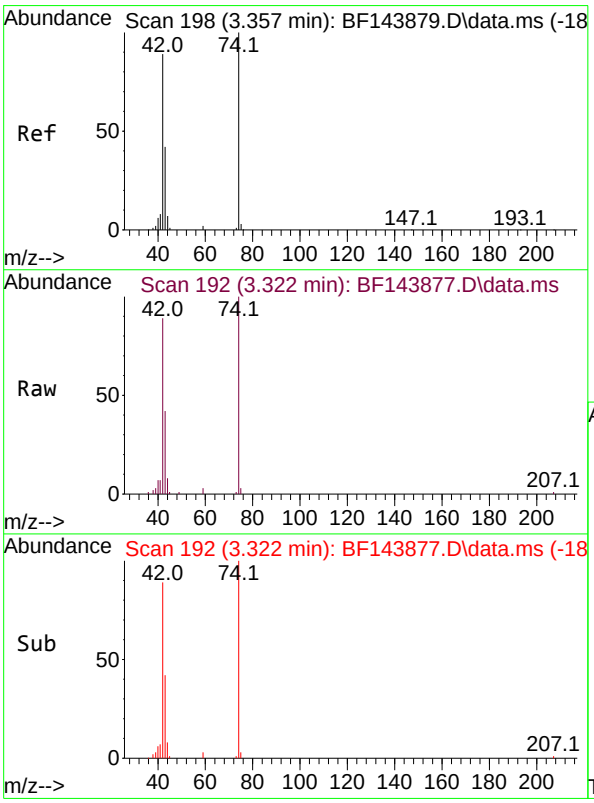
Ion	Ratio	Lower	Upper
79	100		
52	88.4	71.5	107.3
51	40.1	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

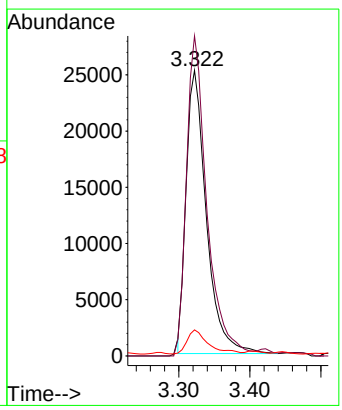
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

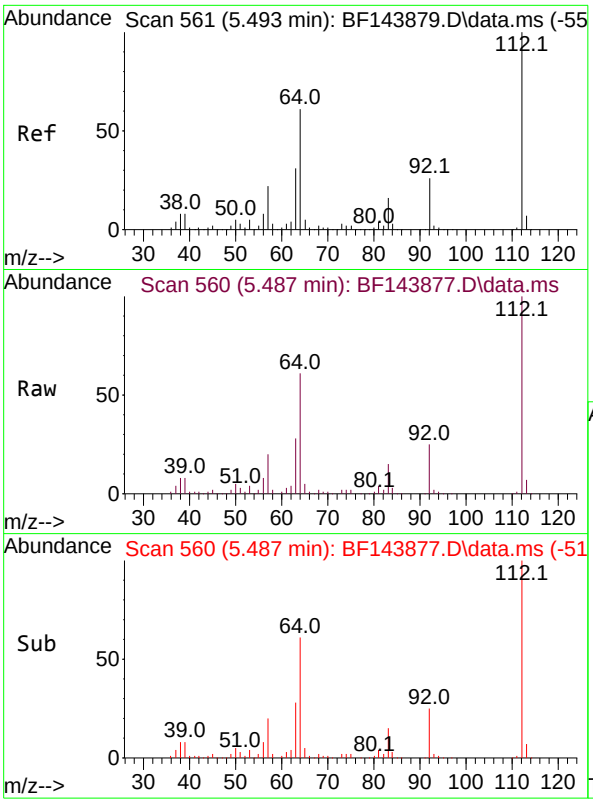


#4
n-Nitrosodimethylamine
Concen: 8.818 ng
RT: 3.322 min Scan# 192
Delta R.T. -0.065 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

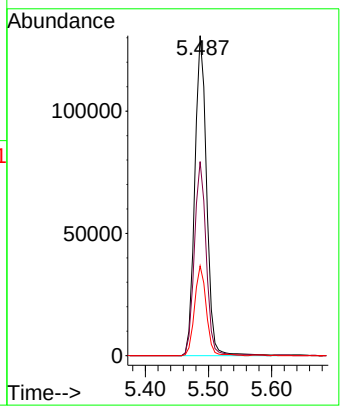
Tgt Ion:112 Resp: 17069

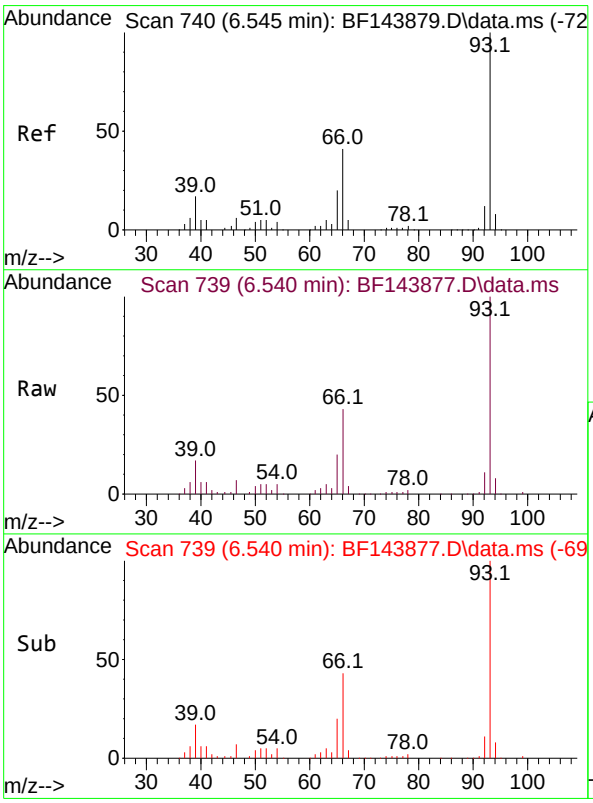
Ion	Ratio	Lower	Upper
112	100		
64	60.6	49.1	73.7
63	28.0	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

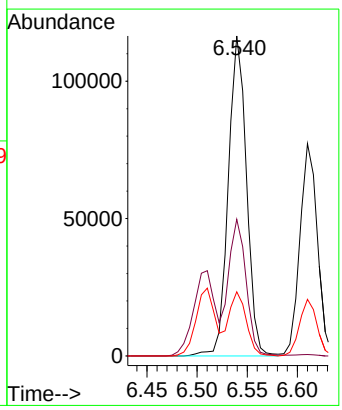


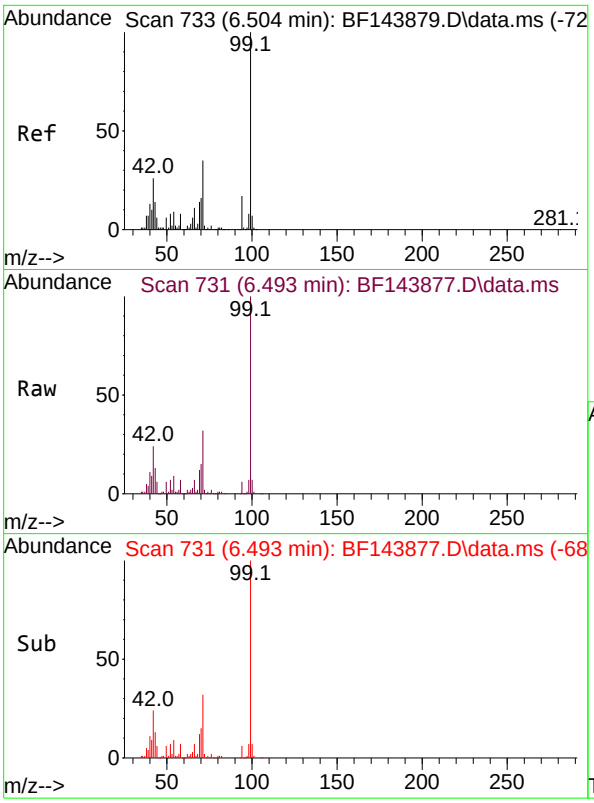


#6
Aniline
Concen: 10.344 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

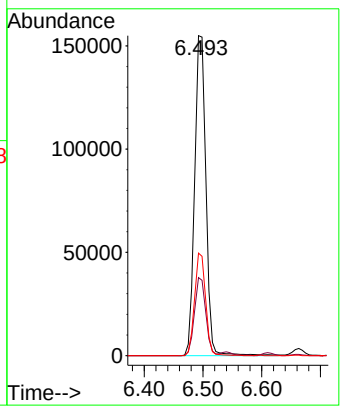




#7
Phenol-d6
Concen: 21.727 ng
RT: 6.493 min Scan# 7
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 99 Resp: 20635

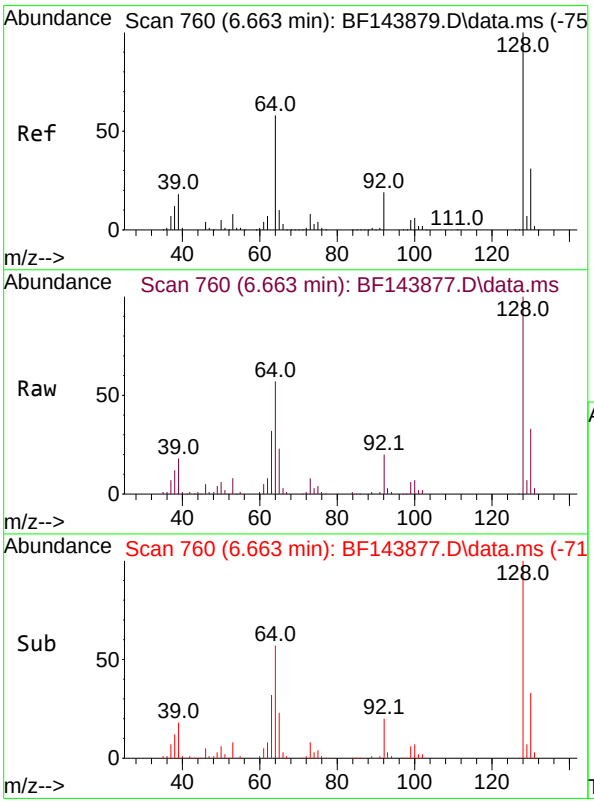
Ion	Ratio	Lower	Upper
99	100		
42	24.4	21.0	31.4
71	32.0	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

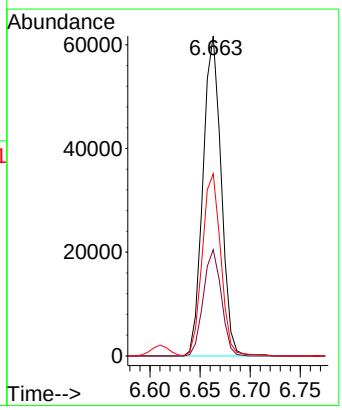
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

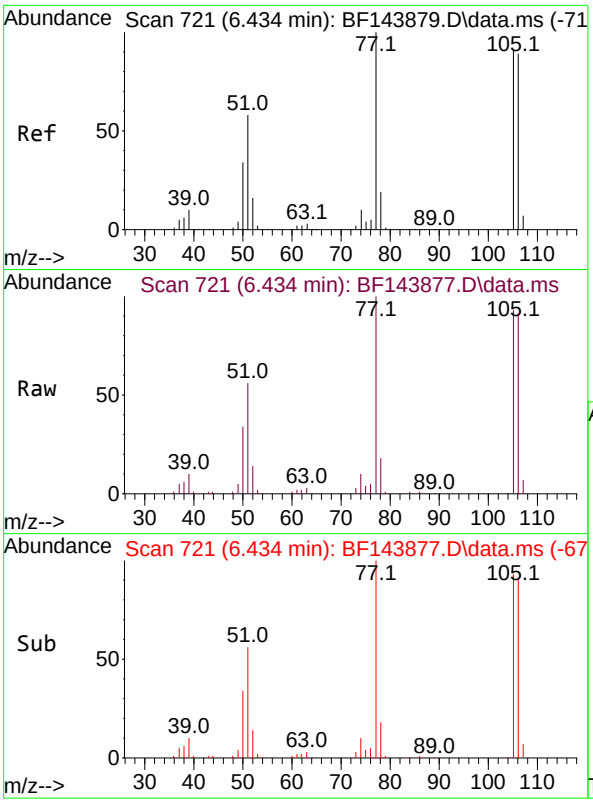


#8
2-Chlorophenol
Concen: 9.983 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

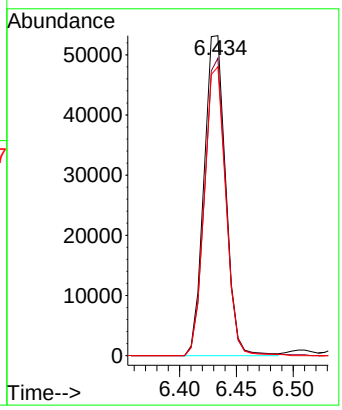




#9
Benzaldehyde
Concen: 9.629 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 7054

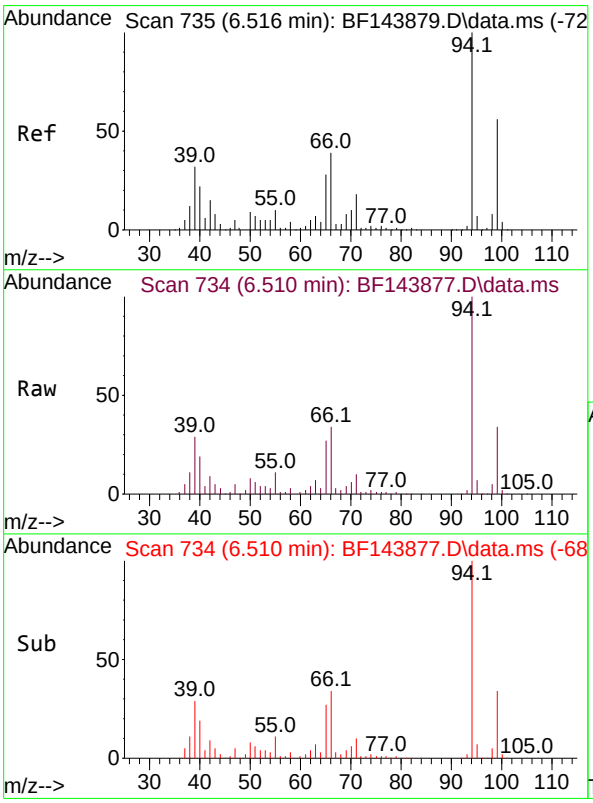
Ion	Ratio	Lower	Upper
77	100		
105	92.9	70.9	110.9
106	90.3	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

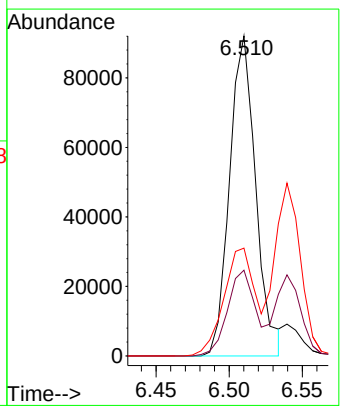
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

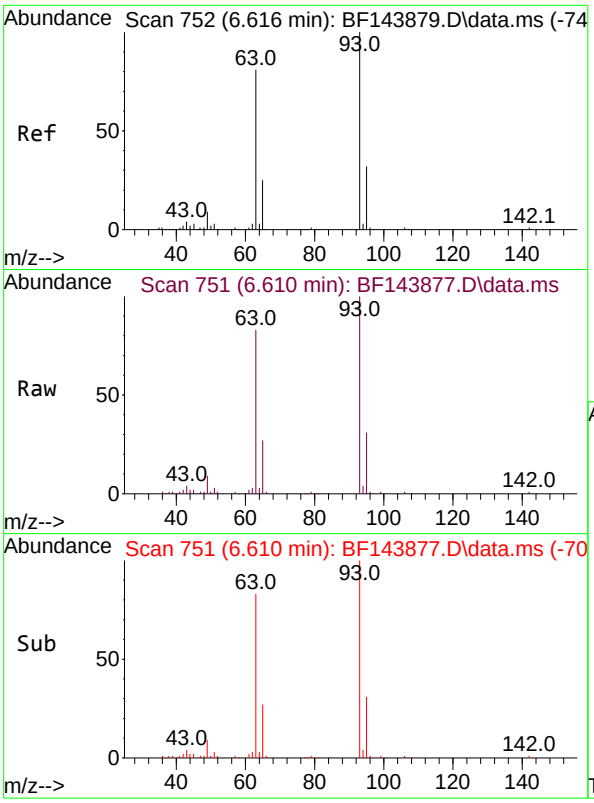


#10
Phenol
Concen: 10.109 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

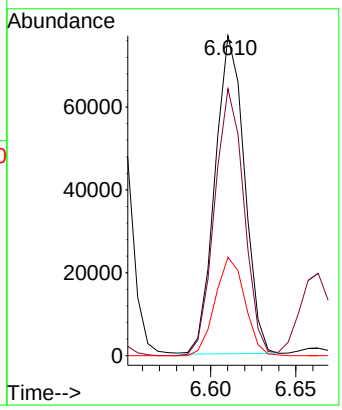




#11
bis(2-Chloroethyl)ether
Concen: 10.513 ng
RT: 6.610 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 93 Resp: 9220

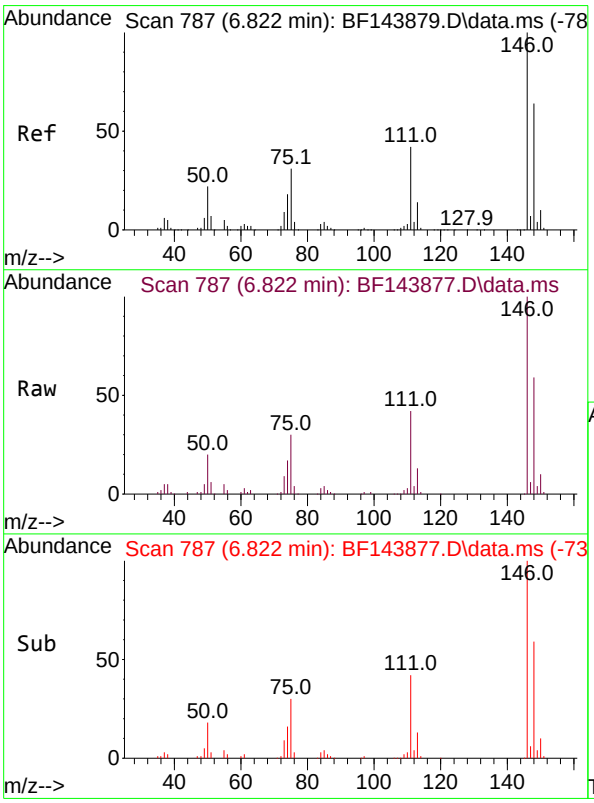
Ion	Ratio	Lower	Upper
93	100		
63	83.4	60.9	100.9
95	30.7	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

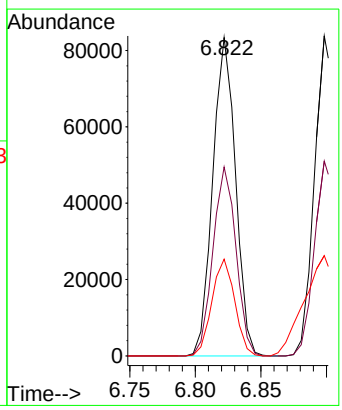
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

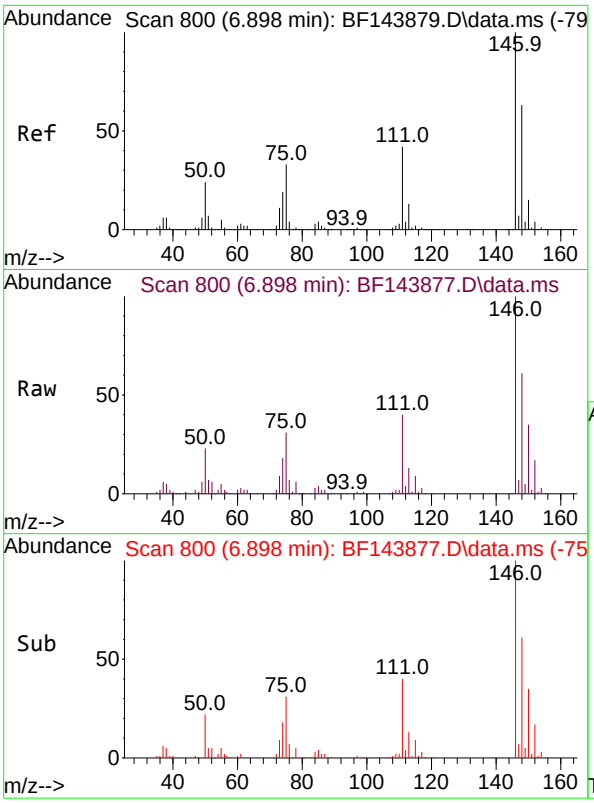


#12
1,3-Dichlorobenzene
Concen: 10.793 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

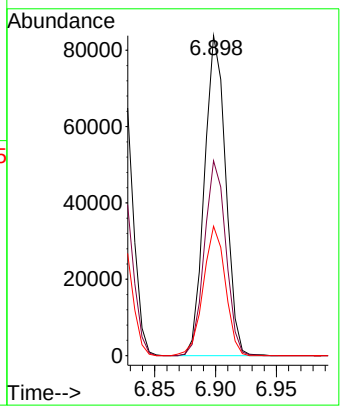




#13
1,4-Dichlorobenzene
Concen: 11.046 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:146 Resp: 10158

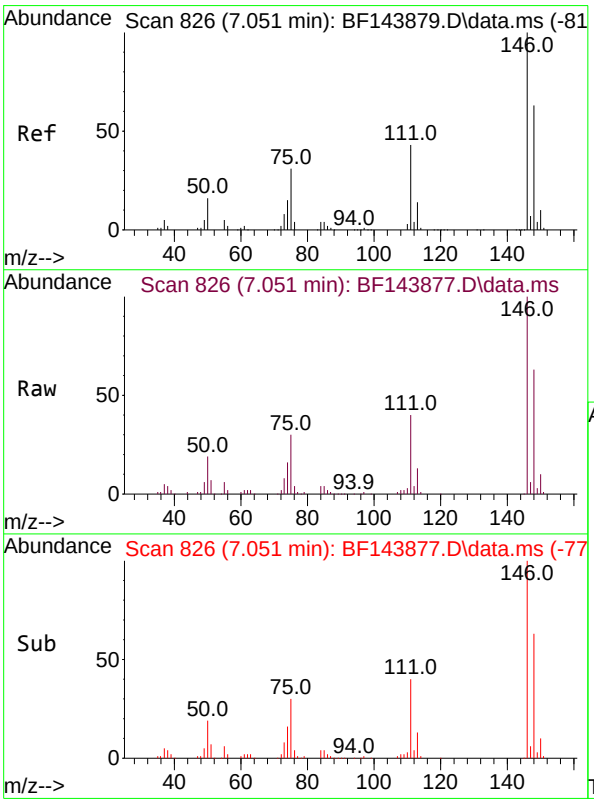
Ion	Ratio	Lower	Upper
146	100		
148	60.9	50.5	75.7
111	40.4	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

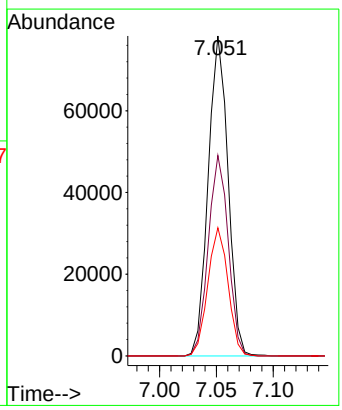
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

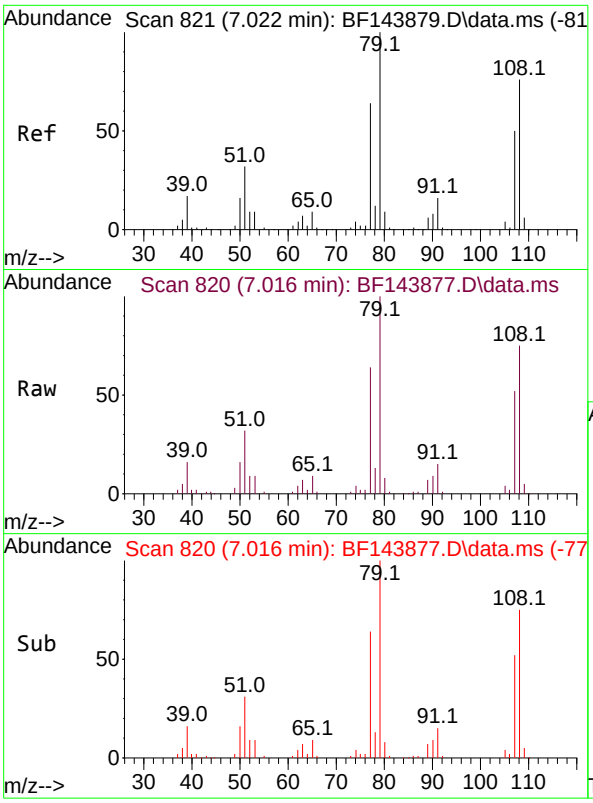


#14
1,2-Dichlorobenzene
Concen: 10.824 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

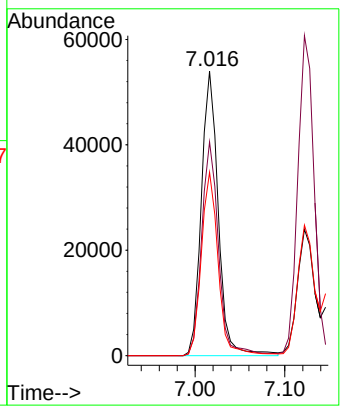




#15
Benzyl Alcohol
Concen: 9.943 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 79 Resp: 7075

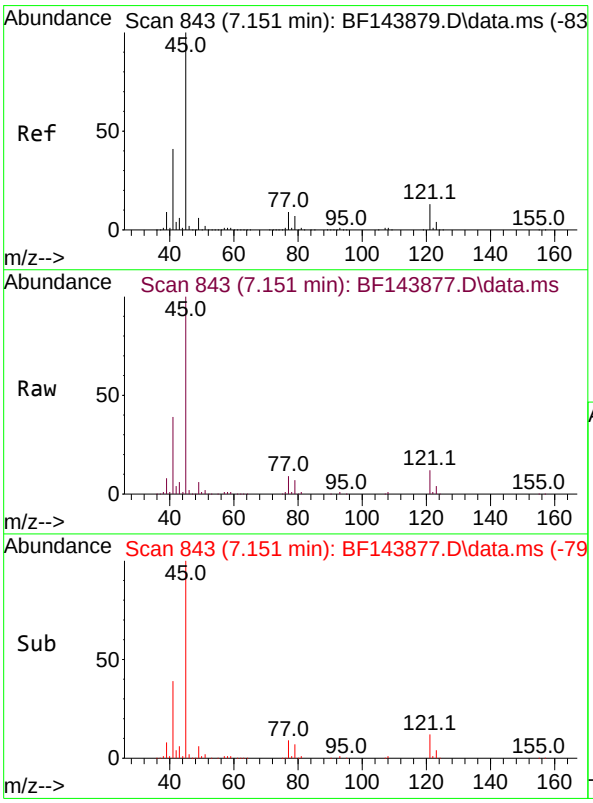
Ion	Ratio	Lower	Upper
79	100		
108	75.1	60.8	91.2
77	64.5	51.0	76.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

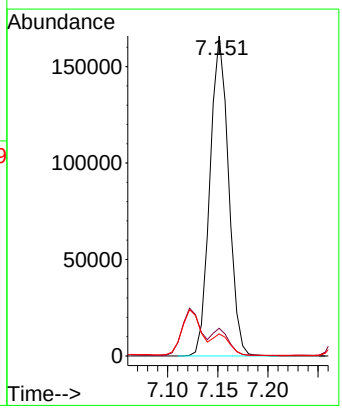
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

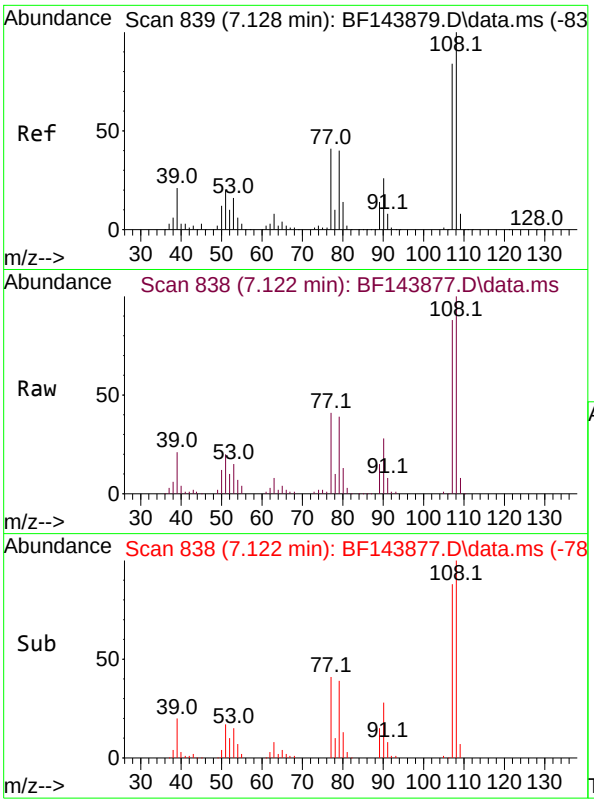


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.728 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

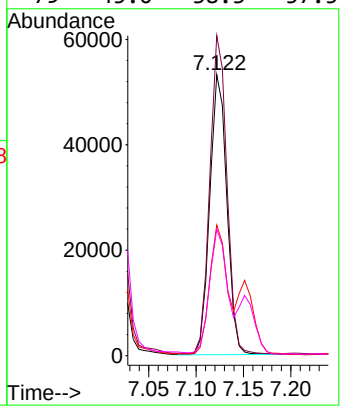




#17
2-Methylphenol
Concen: 10.389 ng
RT: 7.122 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:107 Resp: 6687

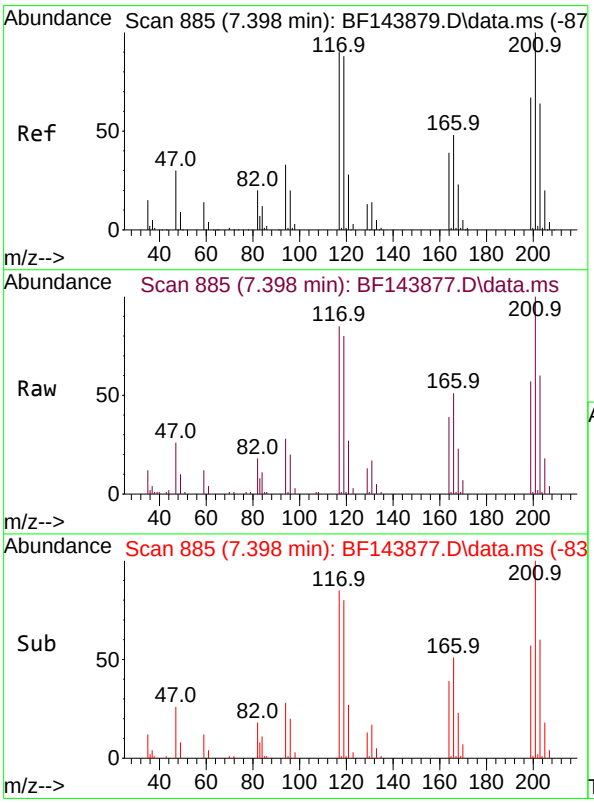
Ion	Ratio	Lower	Upper
107	100		
108	113.9	94.7	142.1
77	46.4	38.8	58.2
79	45.0	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

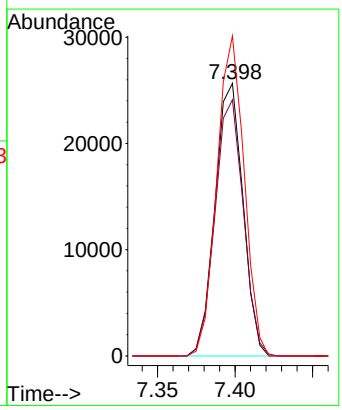
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

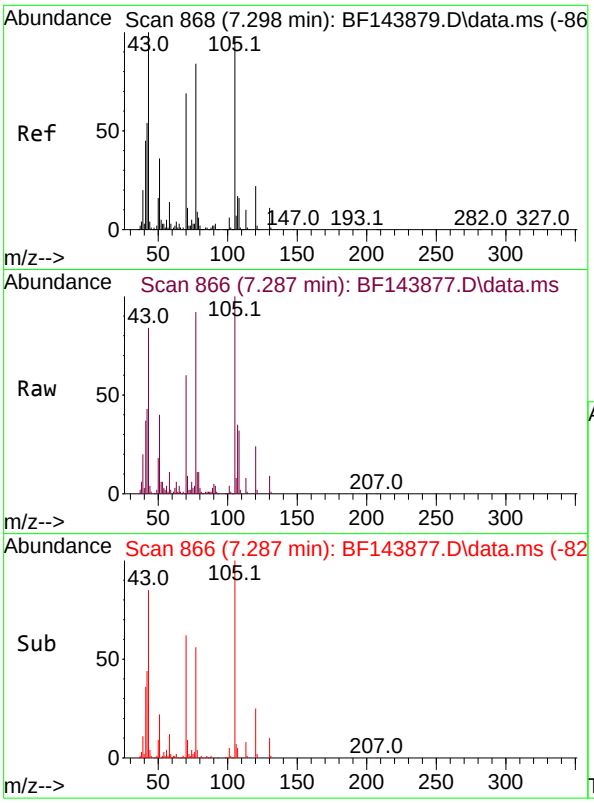


#18
Hexachloroethane
Concen: 10.486 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

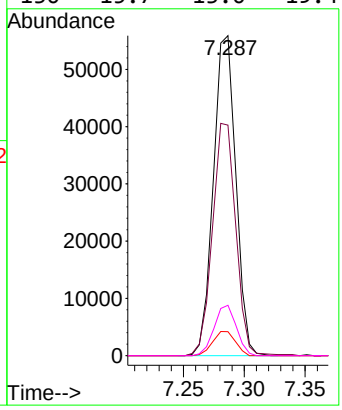




#19
n-Nitroso-di-n-propylamine
Concen: 11.034 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 70 Resp: 7173

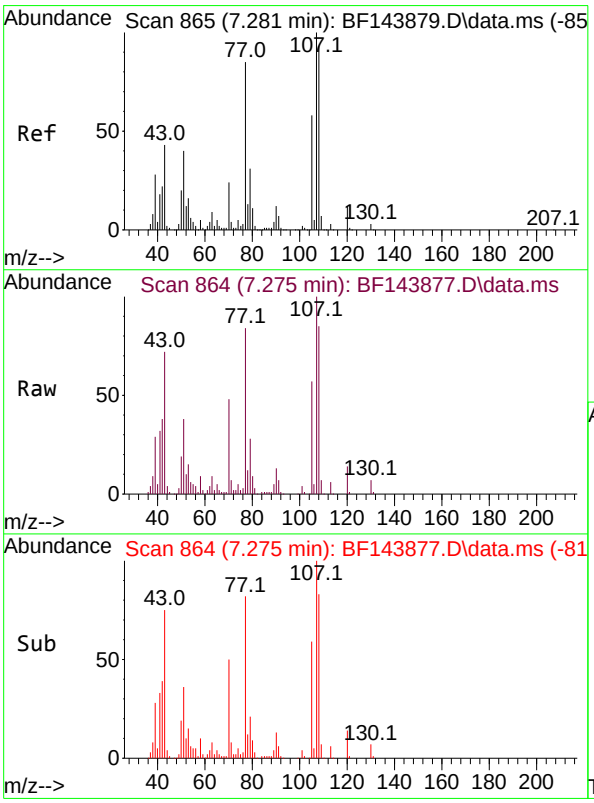
Ion	Ratio	Lower	Upper
70	100		
42	72.0	62.8	94.2
101	7.5	6.7	10.1
130	15.7	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

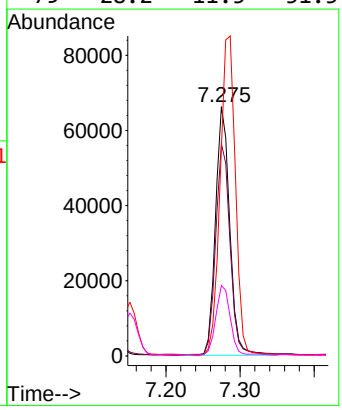
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

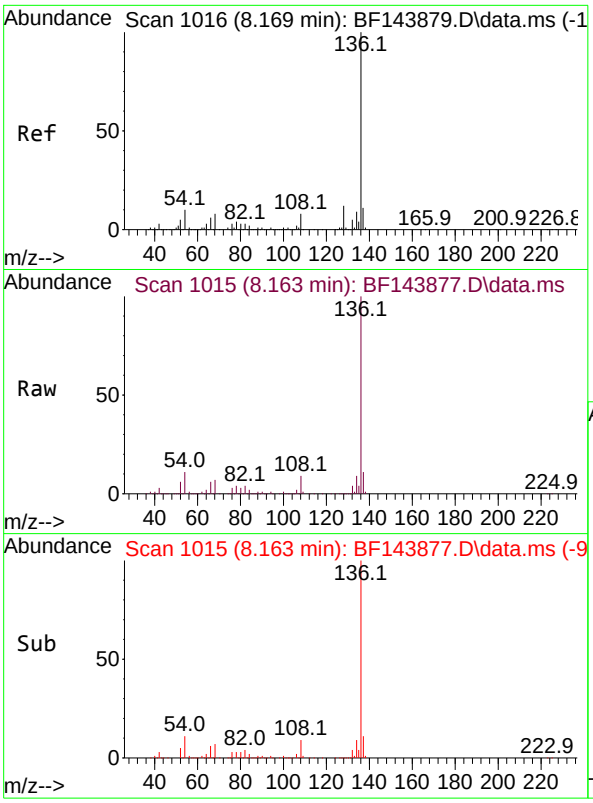


#20
3+4-Methylphenols
Concen: 11.881 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

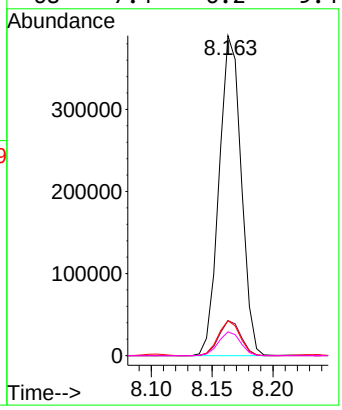




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:136 Resp: 49354

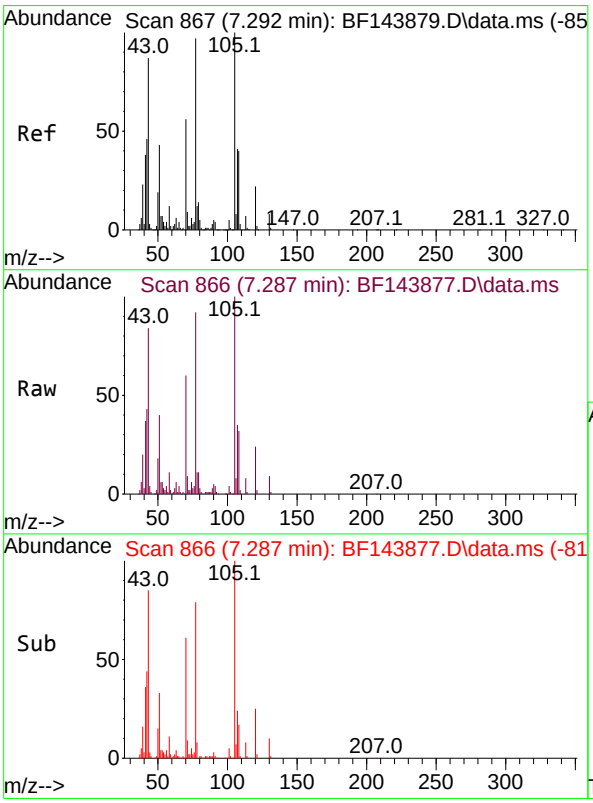
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.0	8.2	12.4
68	7.4	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

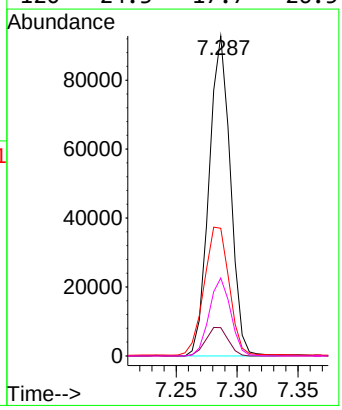
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

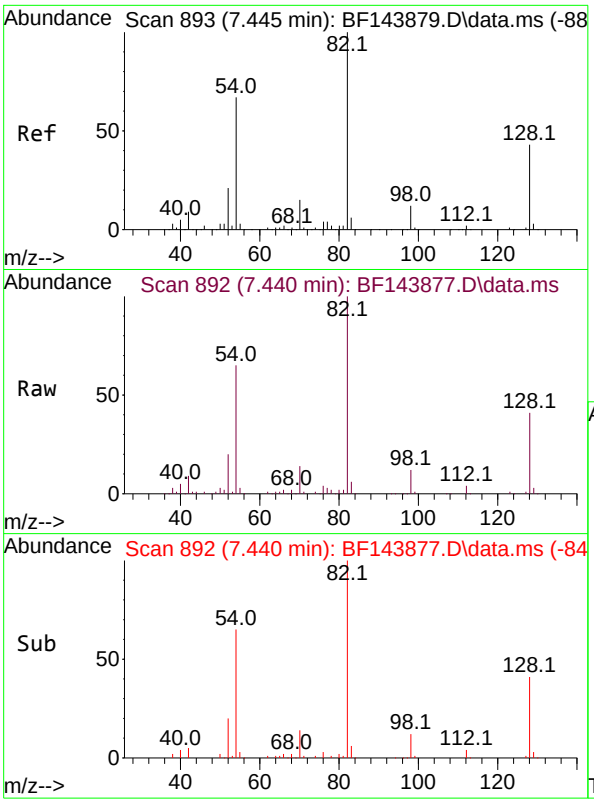


#22
Acetophenone
Concen: 10.900 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

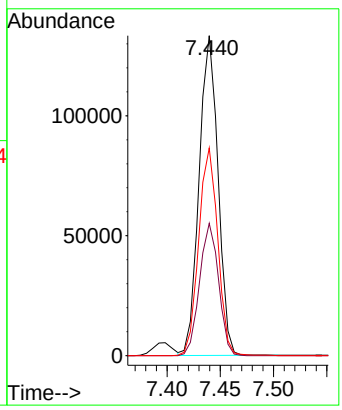




#23
Nitrobenzene-d5
Concen: 20.204 ng
RT: 7.440 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 82 Resp: 16412

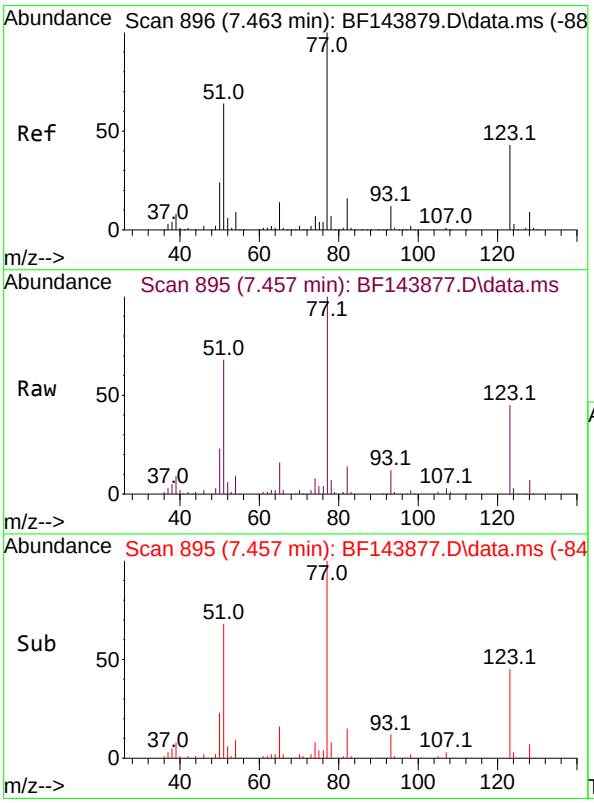
Ion	Ratio	Lower	Upper
82	100		
128	41.3	34.0	51.0
54	64.9	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

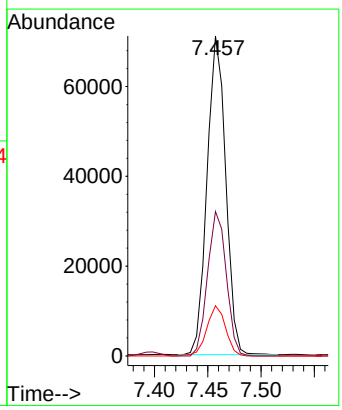
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

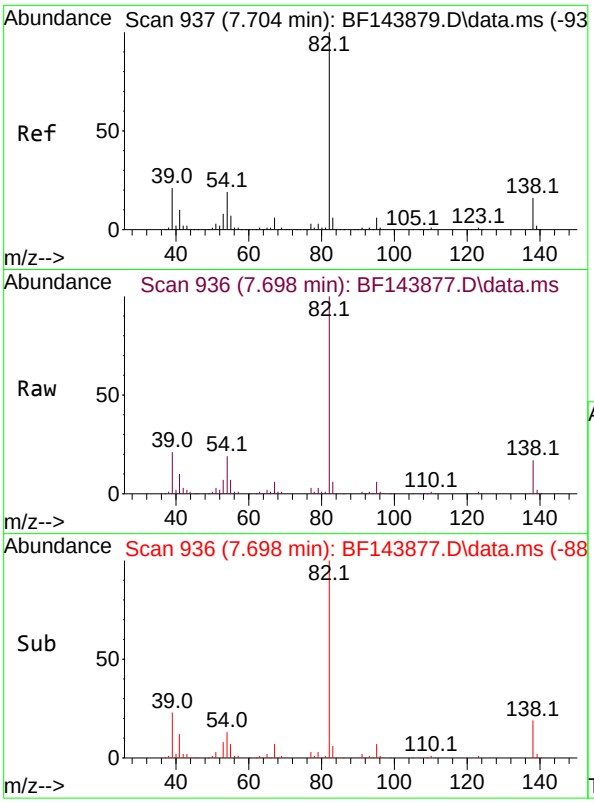


#24
Nitrobenzene
Concen: 9.558 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

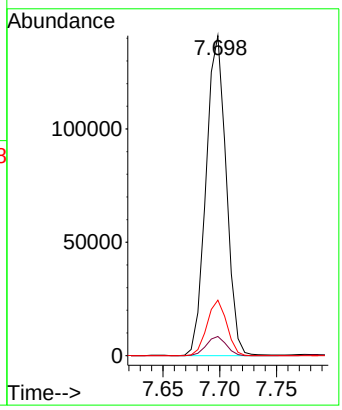




#25
Isophorone
Concen: 10.203 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 82 Resp: 17476

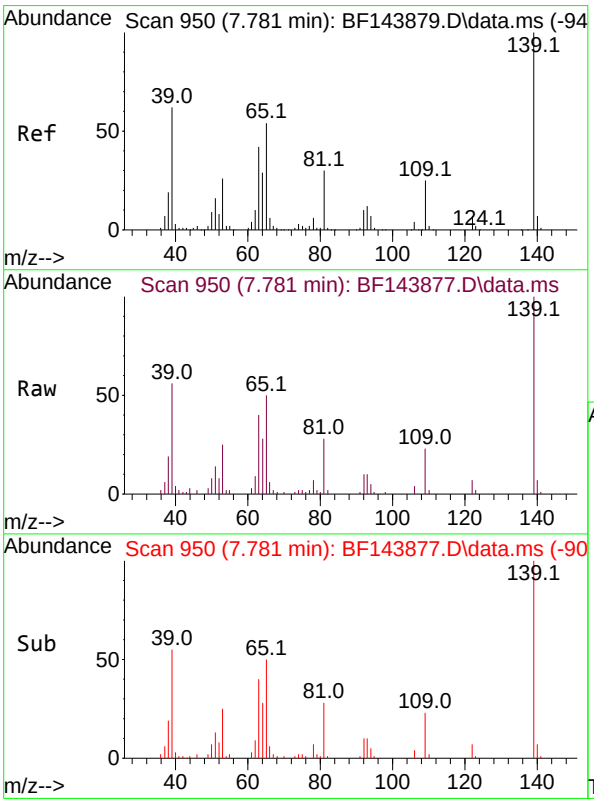
Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.1	7.7
138	17.3	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

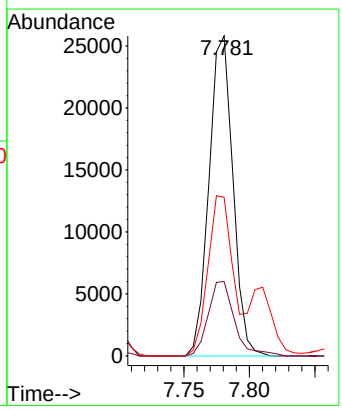
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

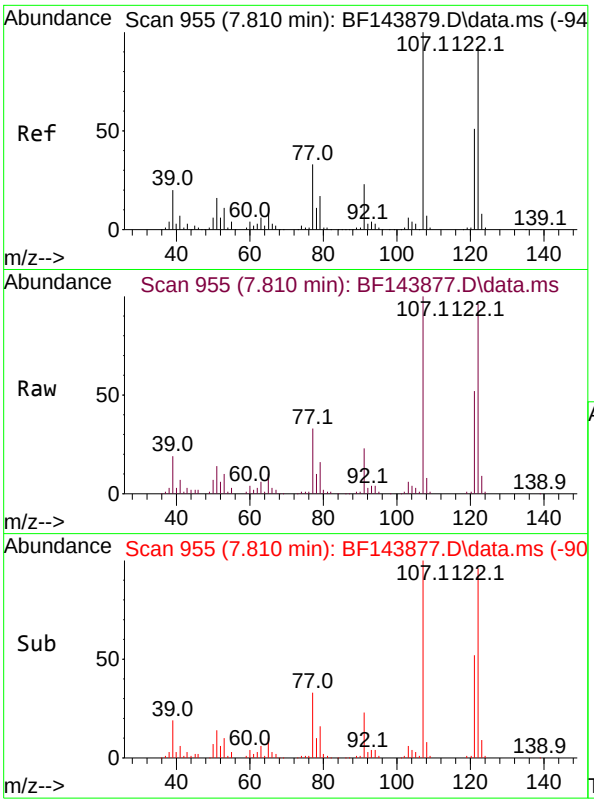


#26
2-Nitrophenol
Concen: 8.477 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

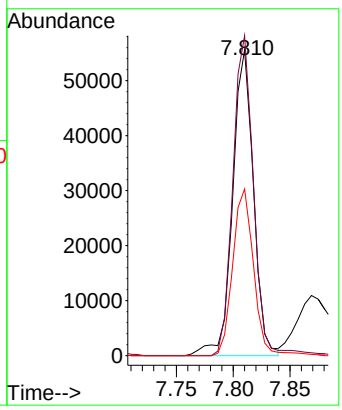




#27
2,4-Dimethylphenol
Concen: 10.199 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:122 Resp: 7096

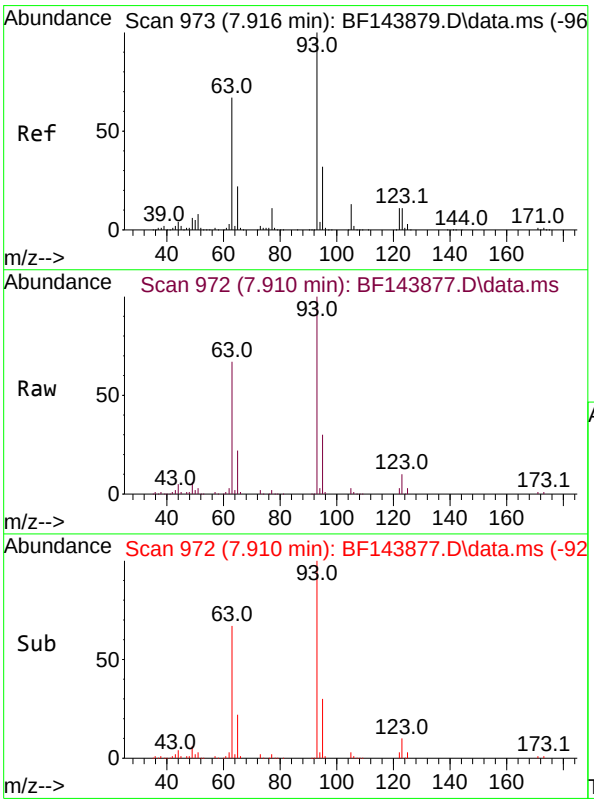
Ion	Ratio	Lower	Upper
122	100		
107	104.7	86.1	129.1
121	54.5	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

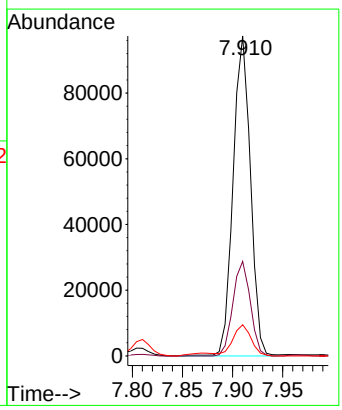
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

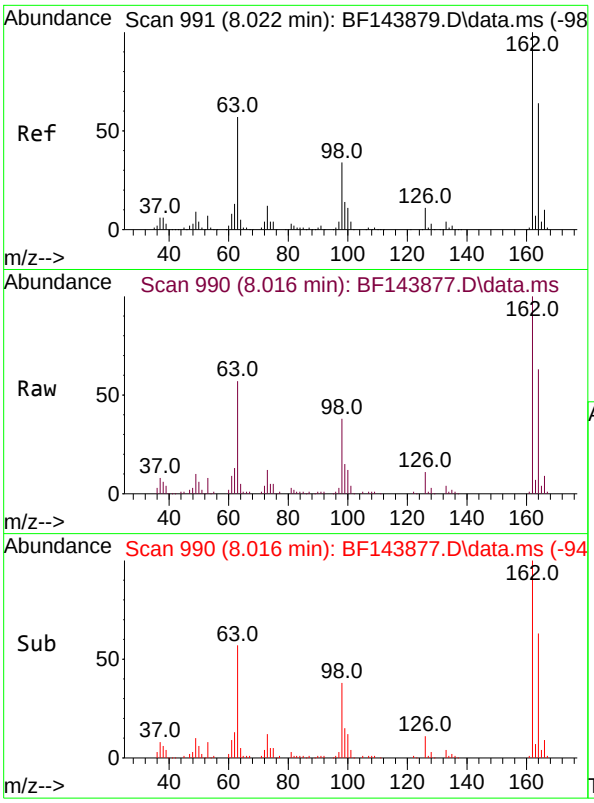


#28
bis(2-Chloroethoxy)methane
Concen: 10.804 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

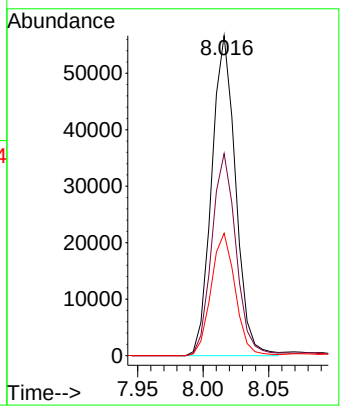




#29
2,4-Dichlorophenol
Concen: 9.954 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:162 Resp: 7214

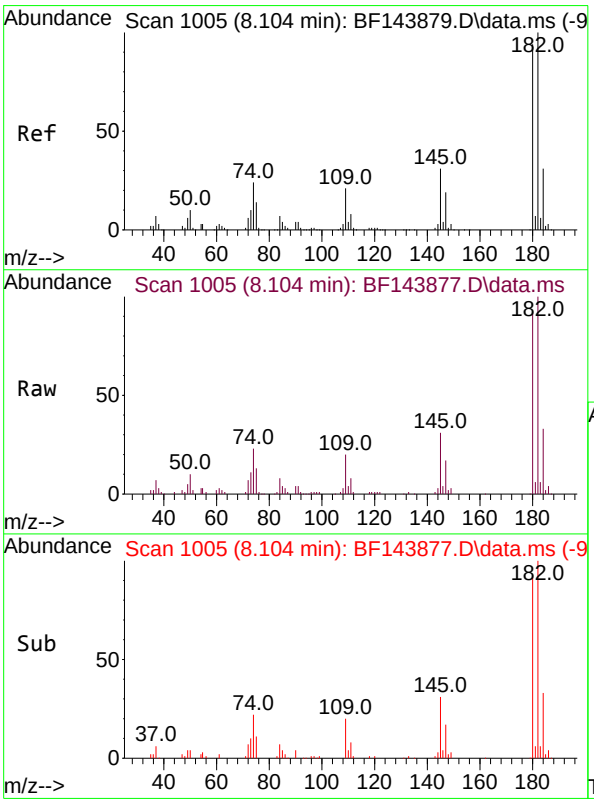
Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.9	83.9
98	38.2	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

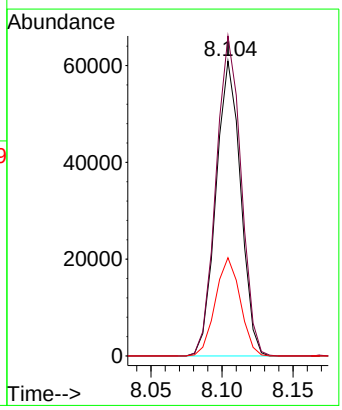
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

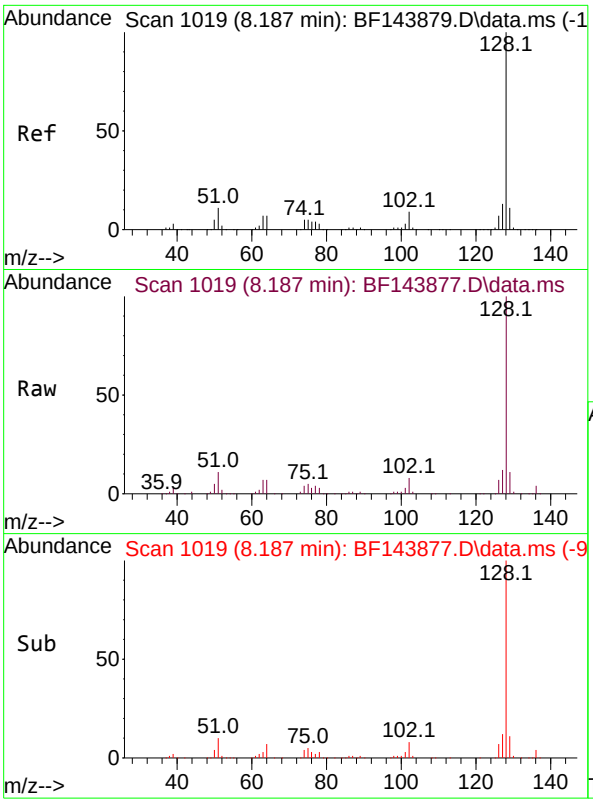


#30
1,2,4-Trichlorobenzene
Concen: 10.336 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

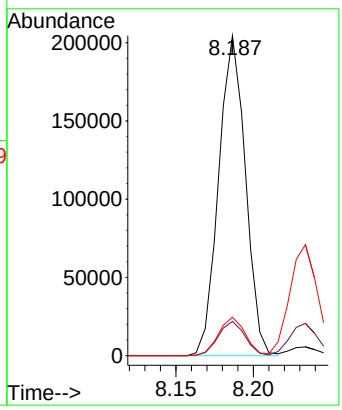




#31
Naphthalene
Concen: 10.951 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:128 Resp: 24585

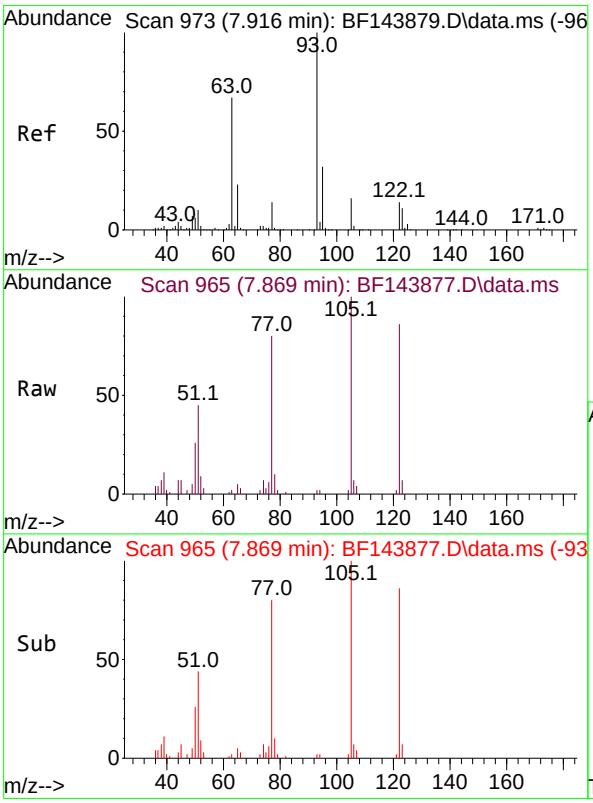
Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.7	13.1
127	12.0	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

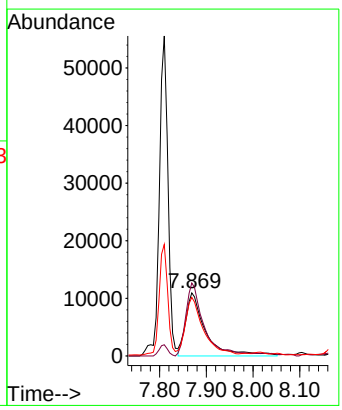
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

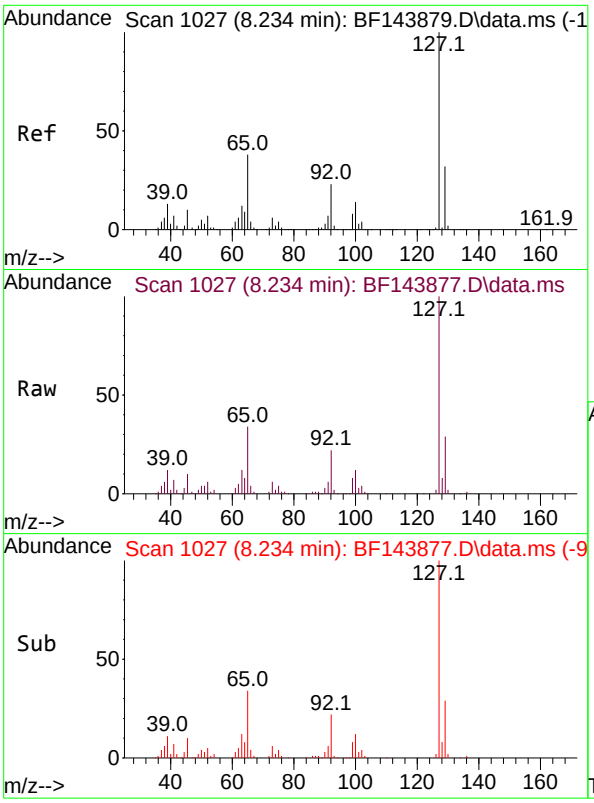


#32
Benzoic acid
Concen: 6.721 ng m
RT: 7.869 min Scan# 965
Delta R.T. -0.094 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

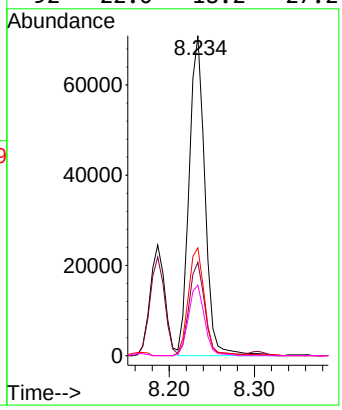




#33
4-Chloroaniline
Concen: 10.842 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:127 Resp: 91294

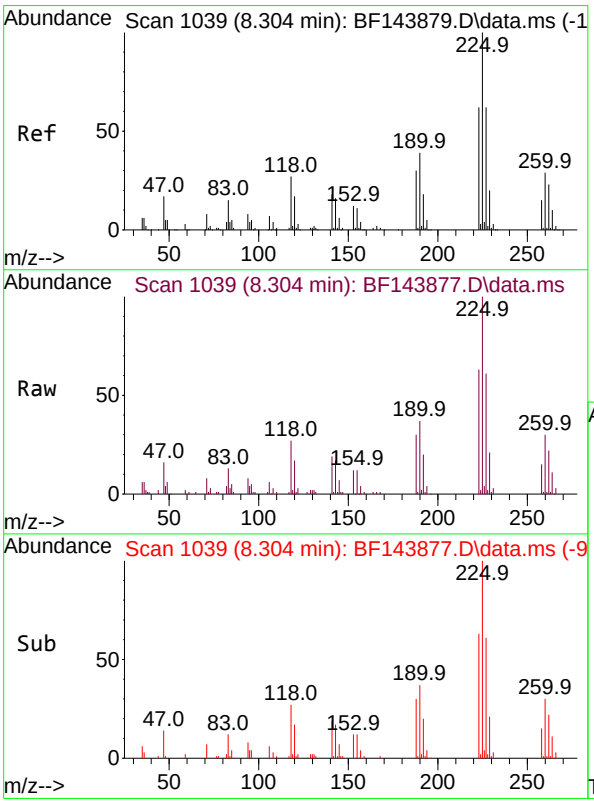
Ion	Ratio	Lower	Upper
127	100		
129	29.1	25.8	38.8
65	33.7	30.0	45.0
92	22.0	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

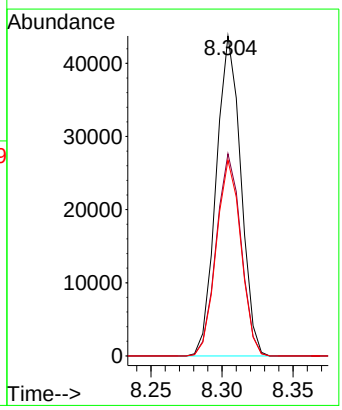
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

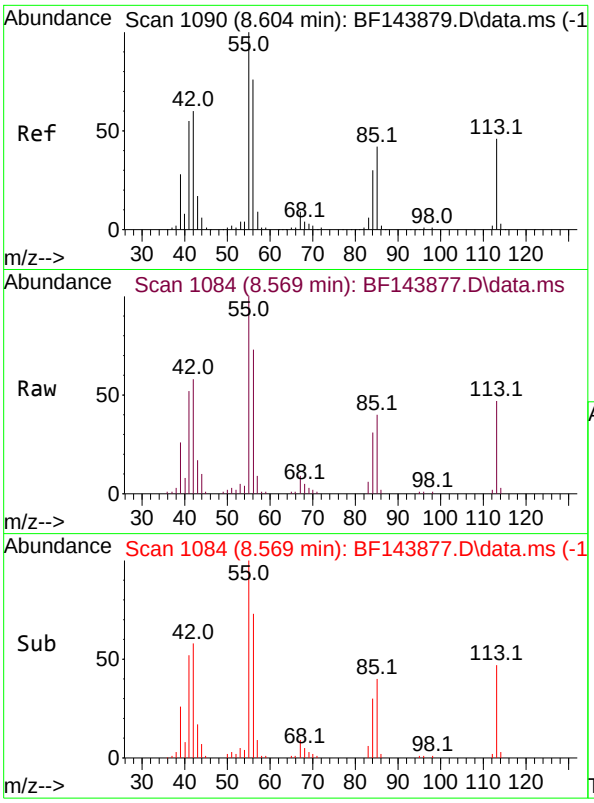


#34
Hexachlorobutadiene
Concen: 10.665 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

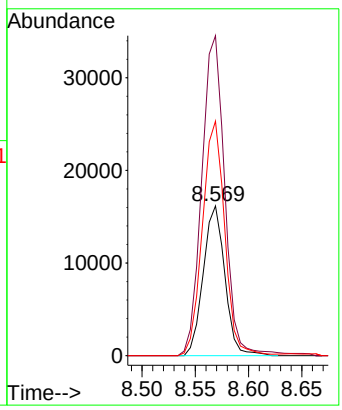




#35
Caprolactam
Concen: 9.900 ng
RT: 8.569 min Scan# 10
Delta R.T. -0.076 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:113 Resp: 2281

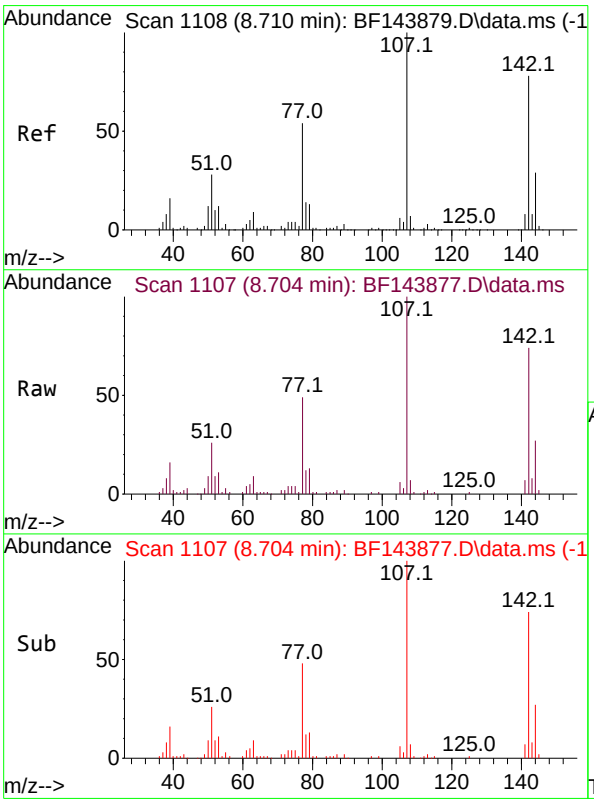
Ion	Ratio	Lower	Upper
113	100		
55	213.8	199.6	239.6
56	156.7	146.0	186.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

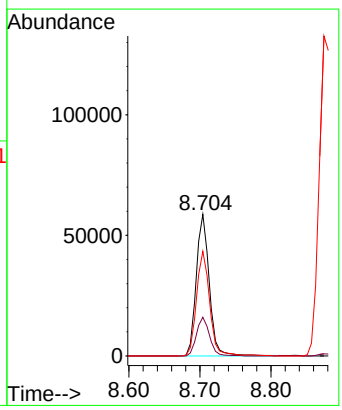
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

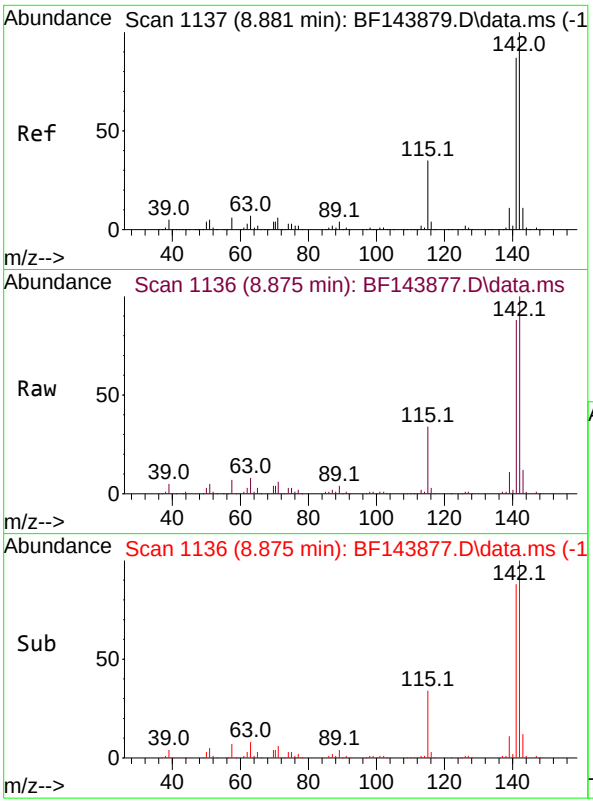


#36
4-Chloro-3-methylphenol
Concen: 10.708 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

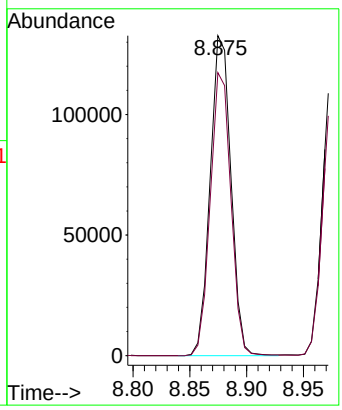




#37
2-Methylnaphthalene
Concen: 11.272 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:142 Resp: 16858

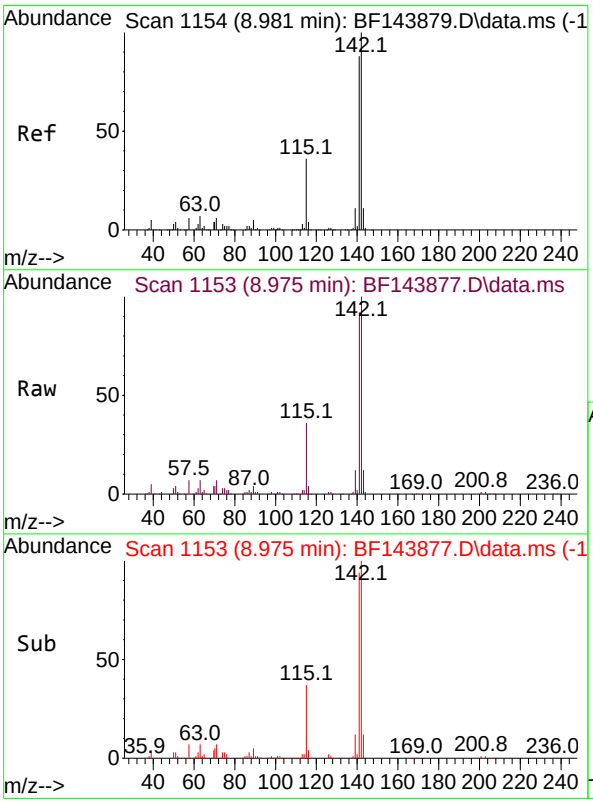
Ion	Ratio	Lower	Upper
142	100		
141	88.4	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

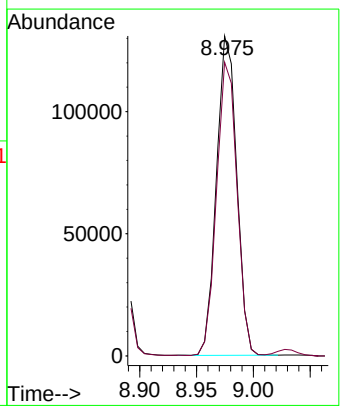
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

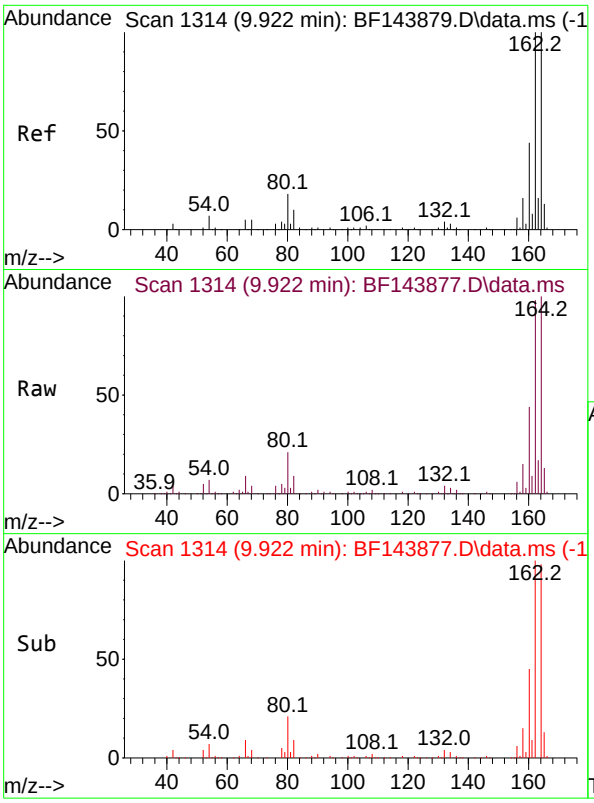


#38
1-Methylnaphthalene
Concen: 11.160 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:142 Resp: 161895

Ion	Ratio	Lower	Upper
142	100		
141	91.8	70.8	106.2

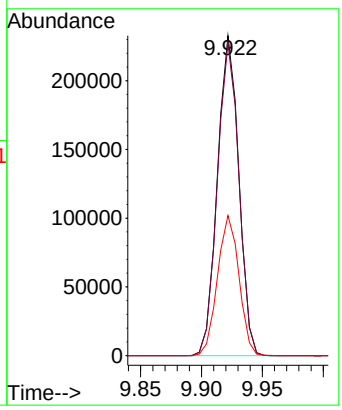




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:164 Resp: 28382

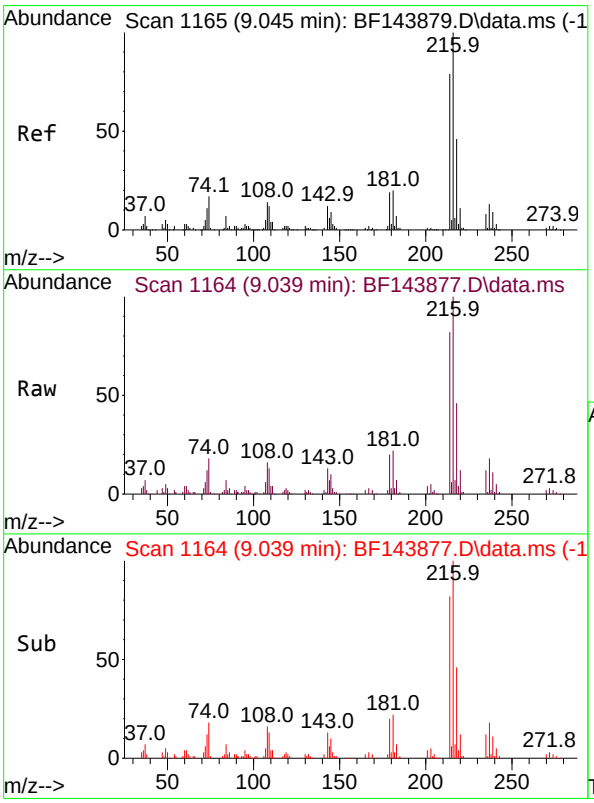
Ion	Ratio	Lower	Upper
164	100		
162	97.5	80.2	120.2
160	43.8	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

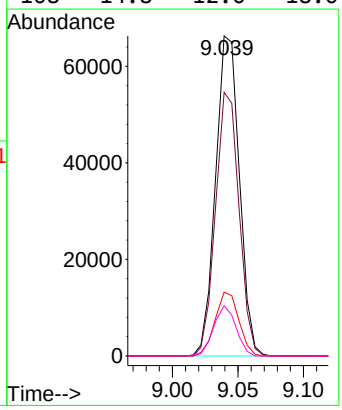
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

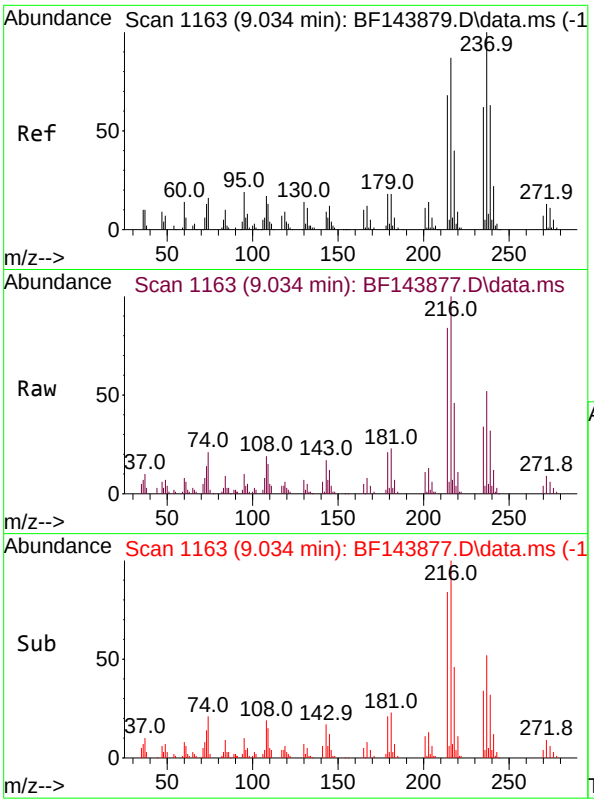


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.705 ng
RT: 9.039 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

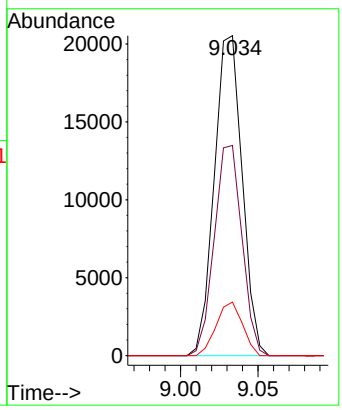




#41
Hexachlorocyclopentadiene
Concen: 7.932 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:237 Resp: 2581

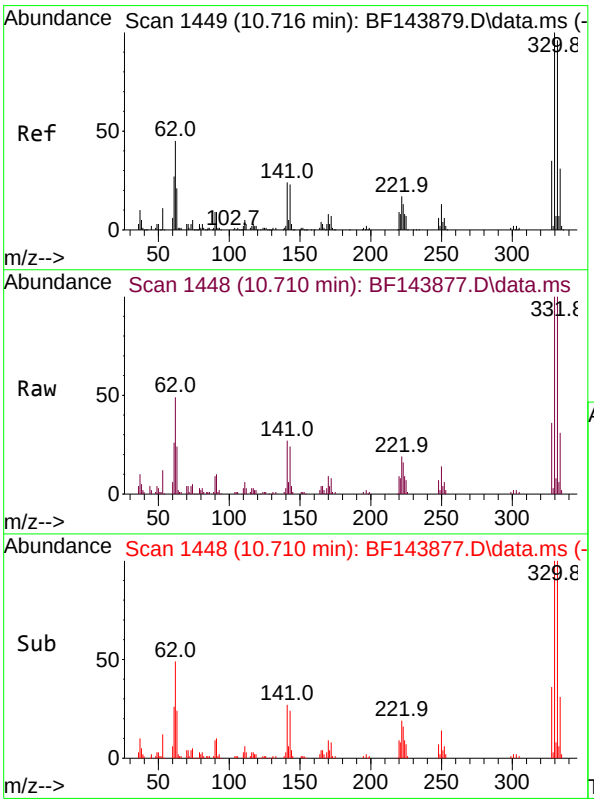
Ion	Ratio	Lower	Upper
237	100		
235	65.7	42.3	82.3
272	16.7	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

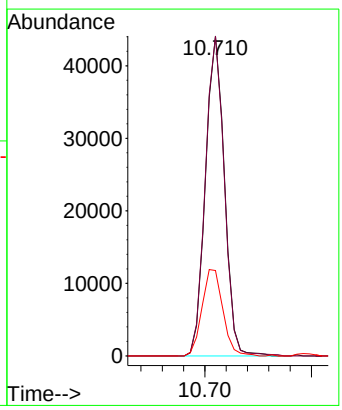
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

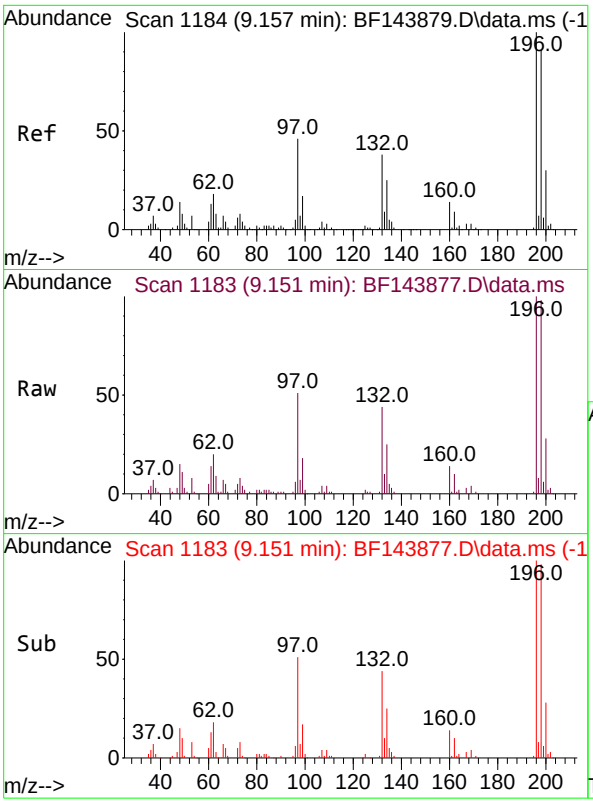


#42
2,4,6-Tribromophenol
Concen: 19.262 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

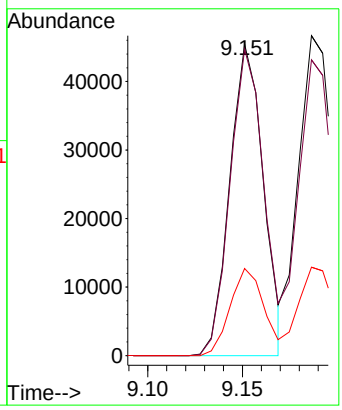




#43
2,4,6-Trichlorophenol
Concen: 9.758 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:196 Resp: 5592

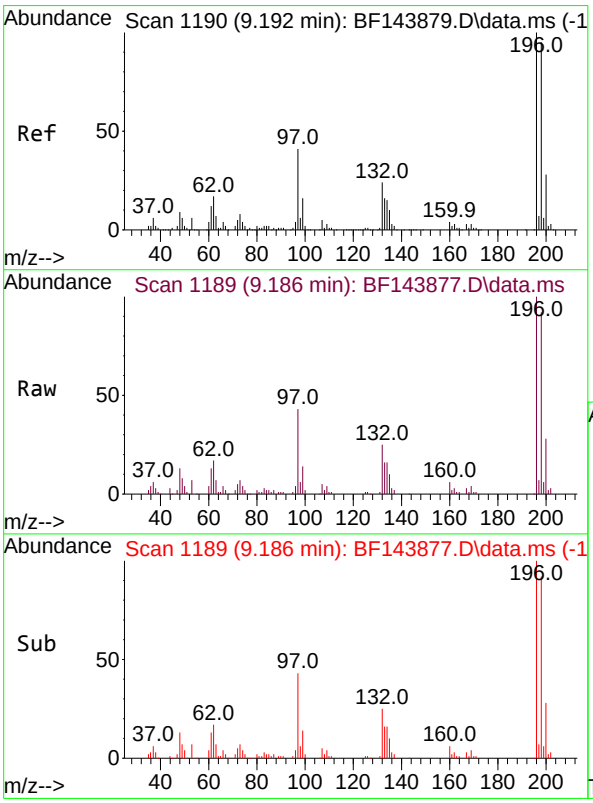
Ion	Ratio	Lower	Upper
196	100		
198	98.4	72.8	109.2
200	28.0	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

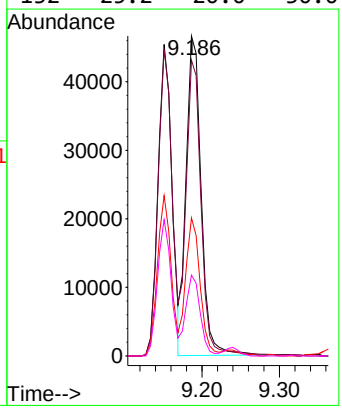
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

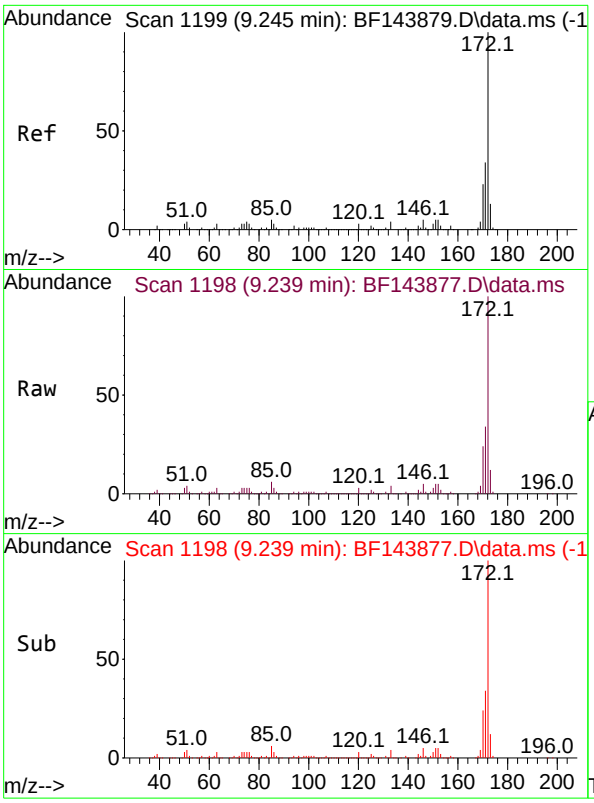


#44
2,4,5-Trichlorophenol
Concen: 10.407 ng
RT: 9.186 min Scan# 1189
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

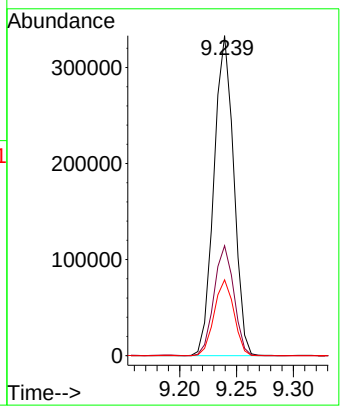




#45
2-Fluorobiphenyl
Concen: 22.595 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:172 Resp: 40416

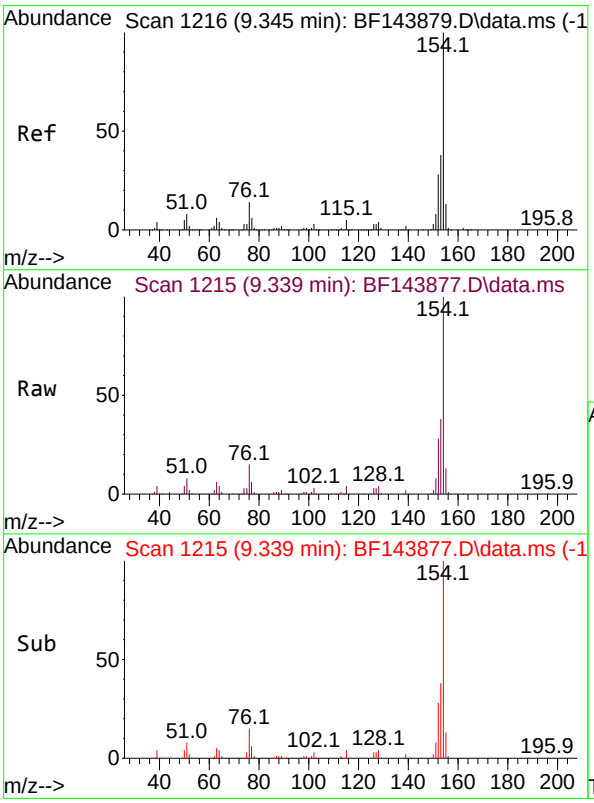
Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	23.7	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

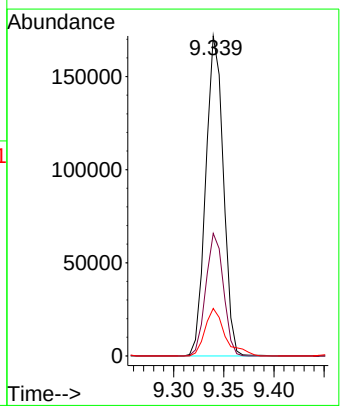
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

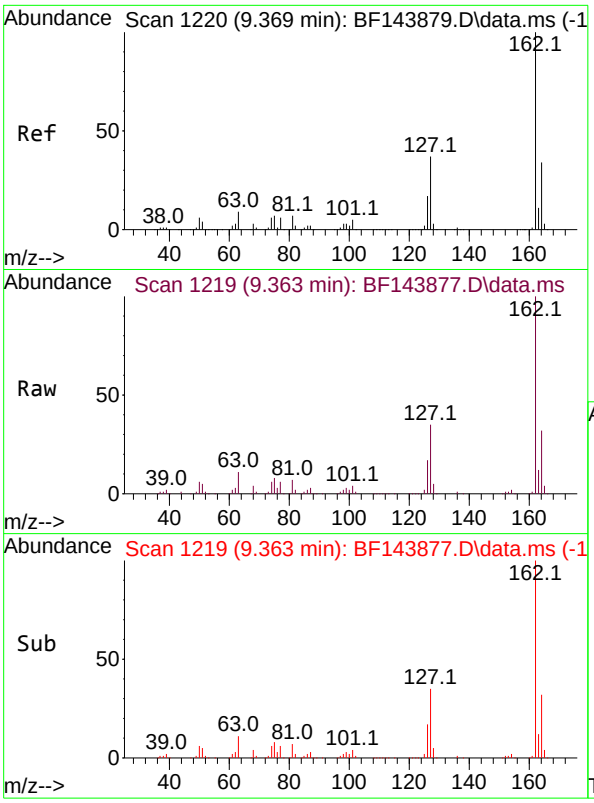


#46
1,1'-Biphenyl
Concen: 11.150 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

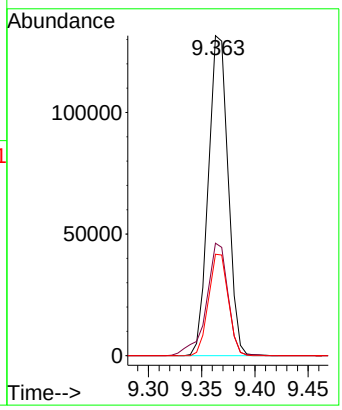




#47
2-Chloronaphthalene
Concen: 10.829 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:162 Resp: 16967

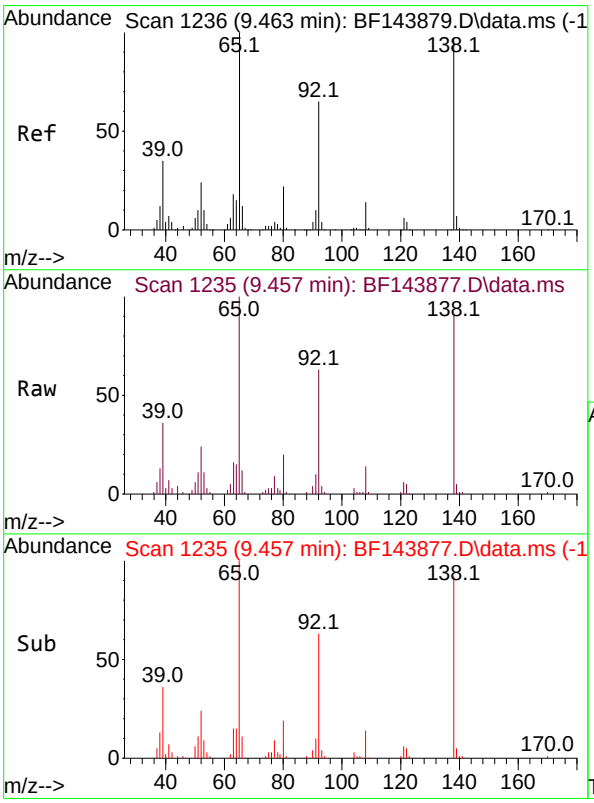
Ion	Ratio	Lower	Upper
162	100		
127	35.1	30.2	45.2
164	31.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

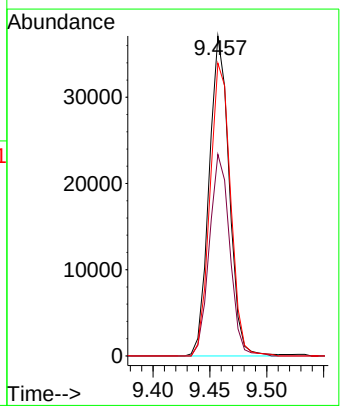
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

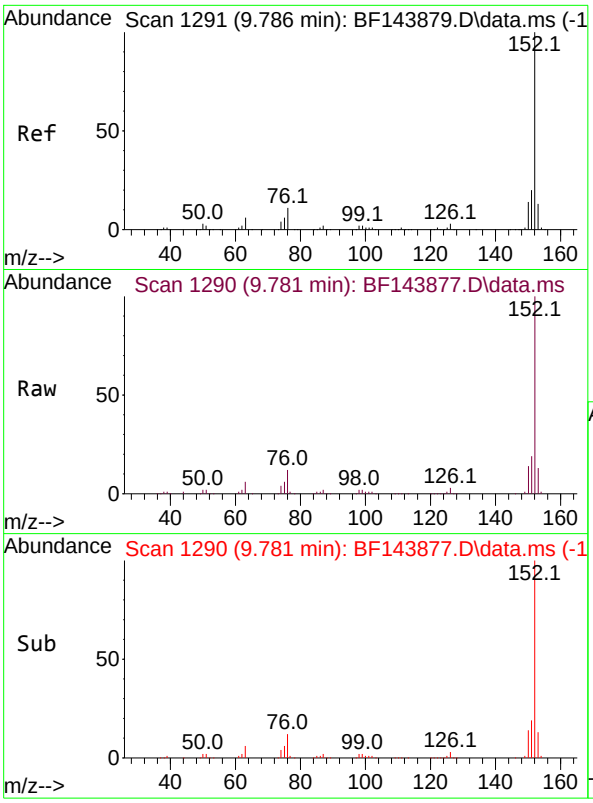


#48
2-Nitroaniline
Concen: 9.219 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

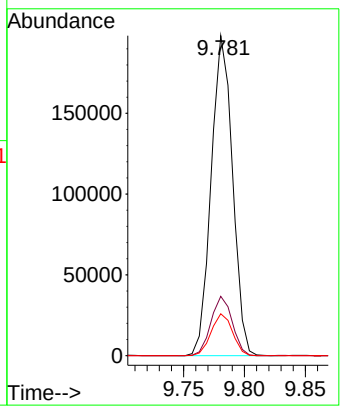




#49
Acenaphthylene
Concen: 10.962 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:152 Resp: 24145

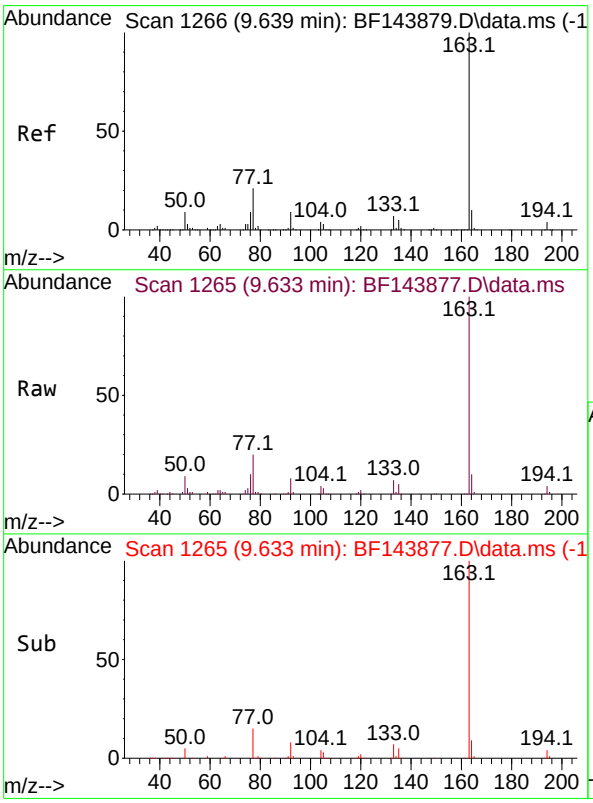
Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.8	23.6
153	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

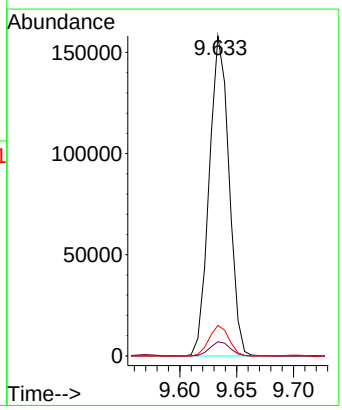
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

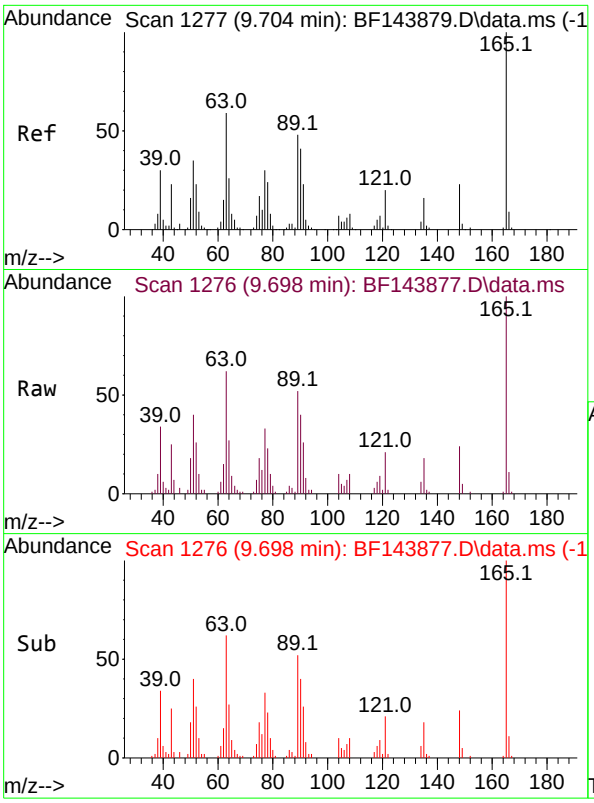


#50
Dimethylphthalate
Concen: 10.638 ng
RT: 9.633 min Scan# 1265
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

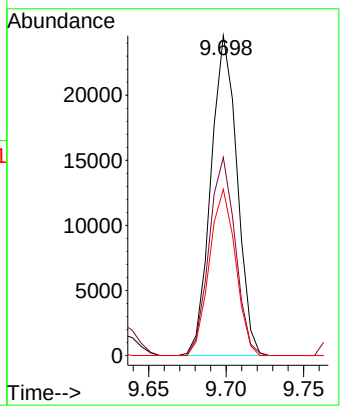




#51
2,6-Dinitrotoluene
Concen: 8.655 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:165 Resp: 2892

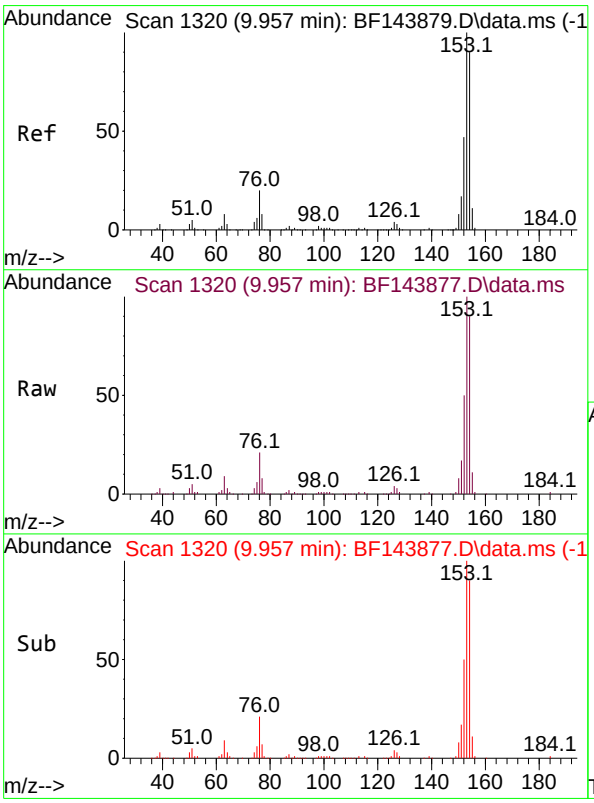
Ion	Ratio	Lower	Upper
165	100		
63	61.9	47.3	70.9
89	52.0	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

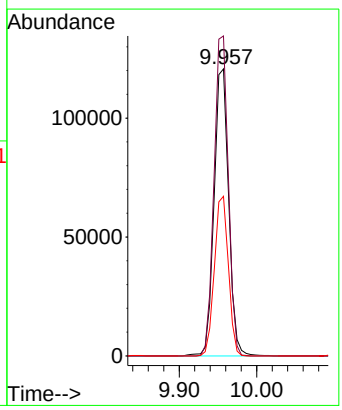
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

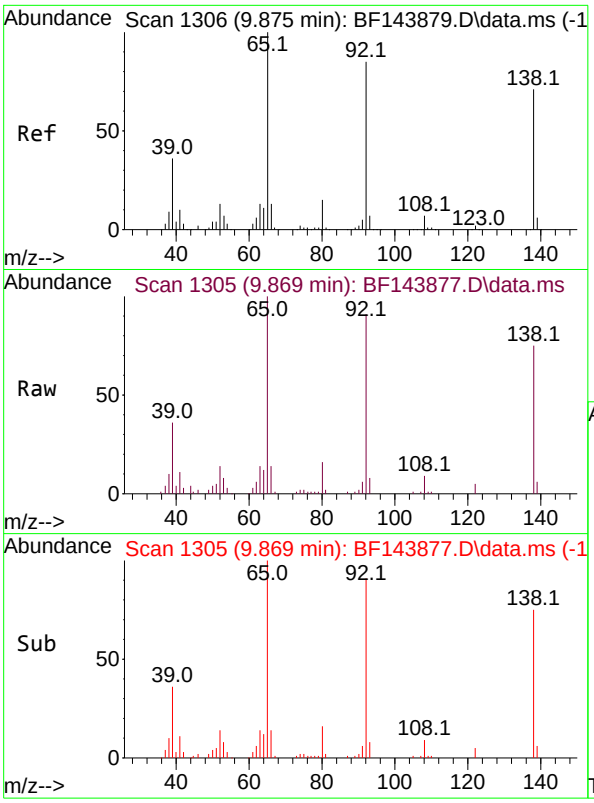


#52
Acenaphthene
Concen: 10.962 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

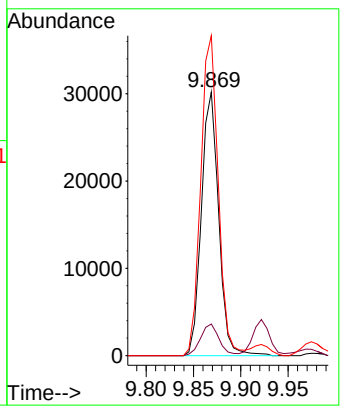




#53
3-Nitroaniline
Concen: 9.380 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:138 Resp: 3838

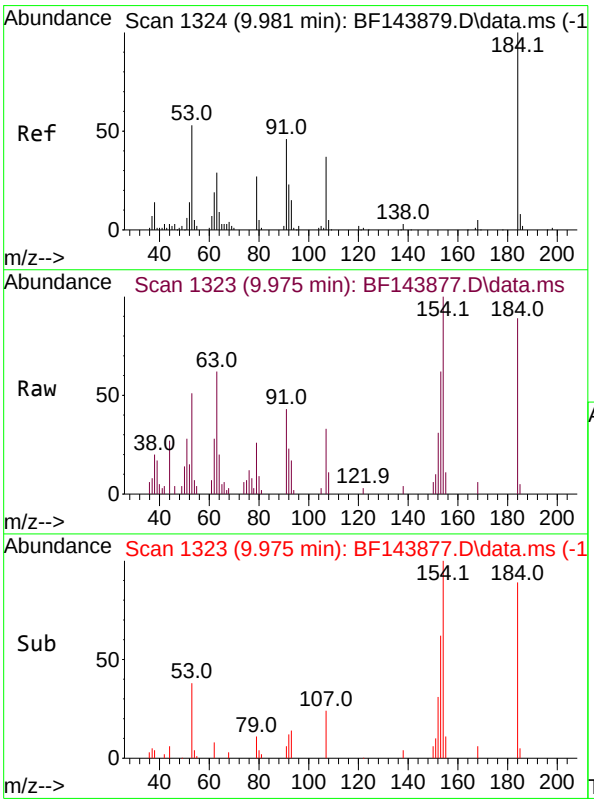
Ion	Ratio	Lower	Upper
138	100		
108	12.0	8.3	12.5
92	121.4	96.2	144.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

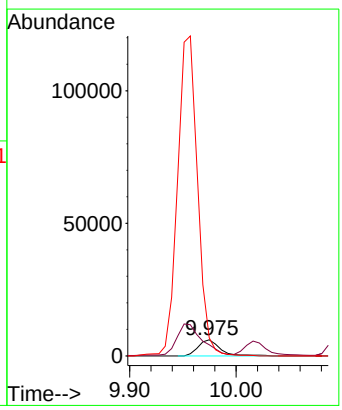
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

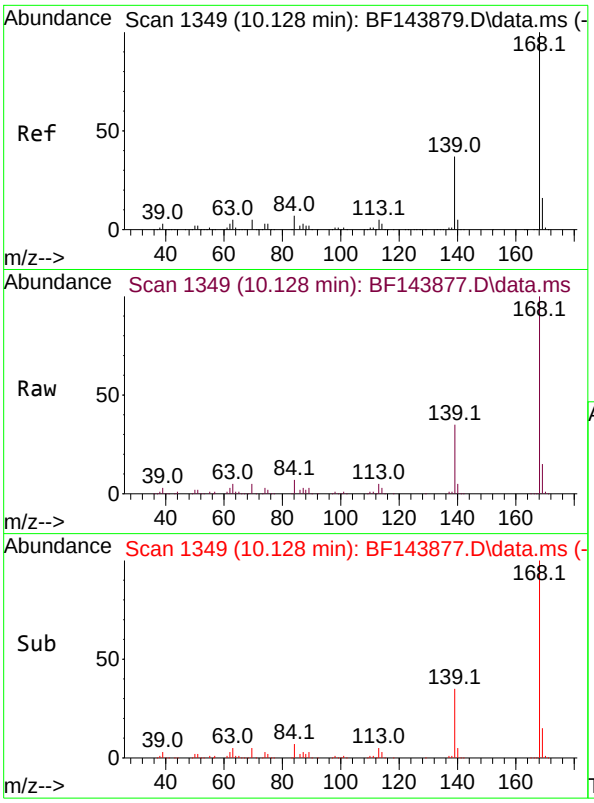


#54
2,4-Dinitrophenol
Concen: 10.761 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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#

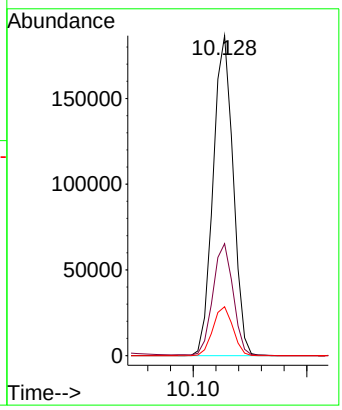




#55
Dibenzofuran
Concen: 11.199 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:168 Resp: 22816

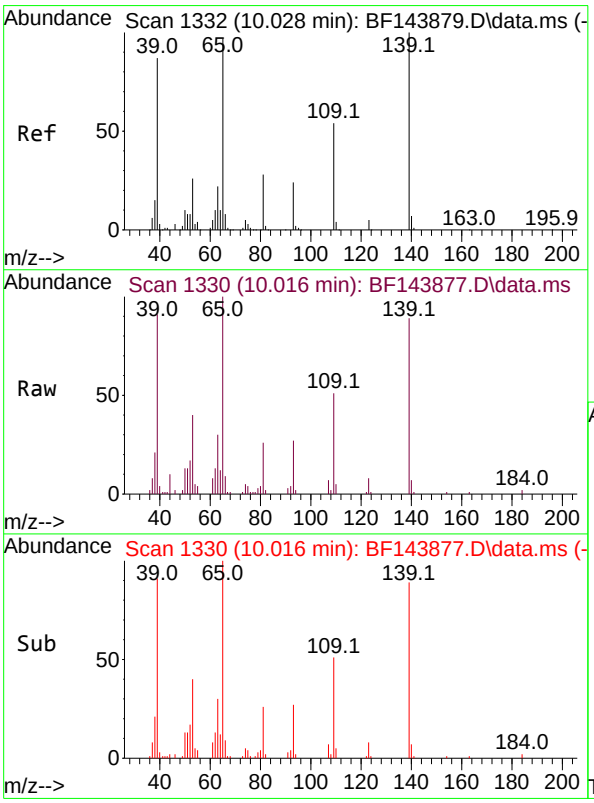
Ion	Ratio	Lower	Upper
168	100		
139	35.0	29.8	44.8
169	15.3	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

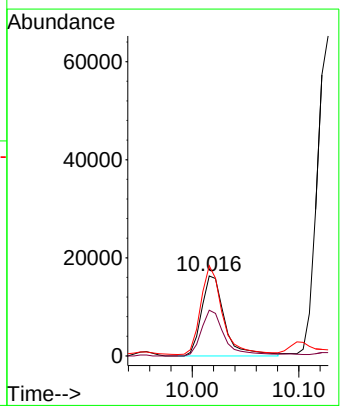
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

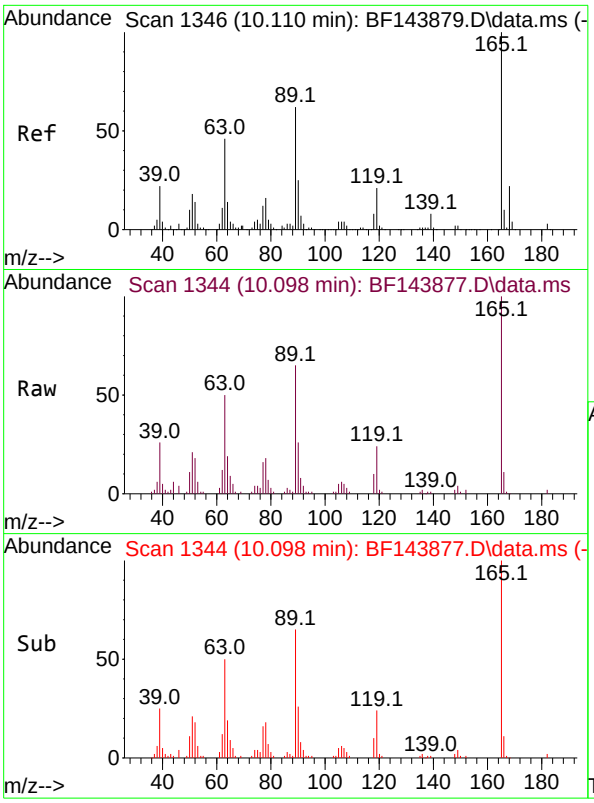


#56
4-Nitrophenol
Concen: 7.934 ng
RT: 10.016 min Scan# 1330
Delta R.T. -0.023 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

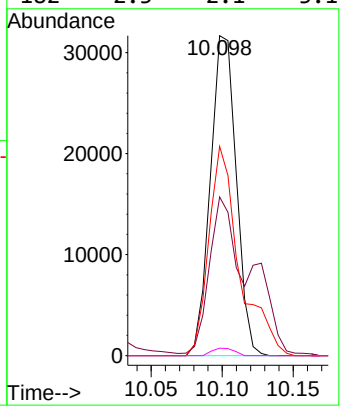




#57
2,4-Dinitrotoluene
Concen: 8.862 ng
RT: 10.098 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:165 Resp: 4029

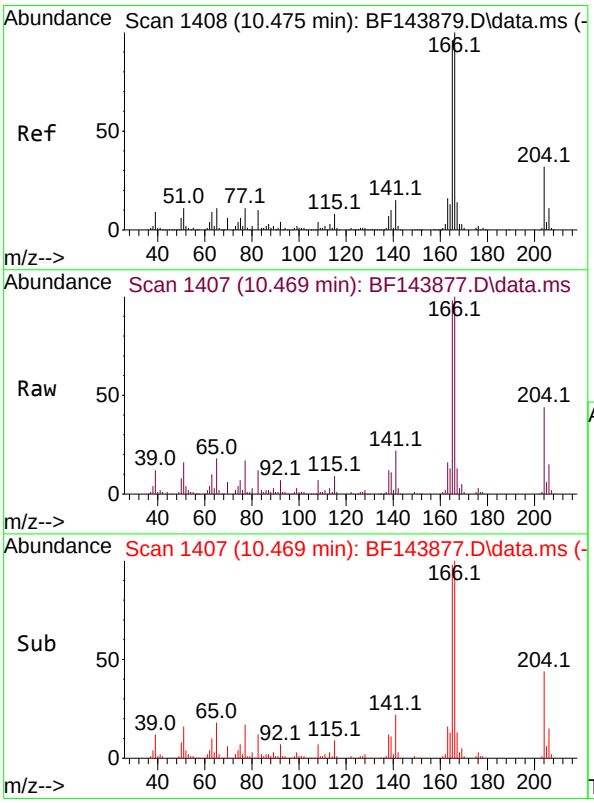
Ion	Ratio	Lower	Upper
165	100		
63	49.6	37.2	55.8
89	65.4	49.4	74.2
182	2.3	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

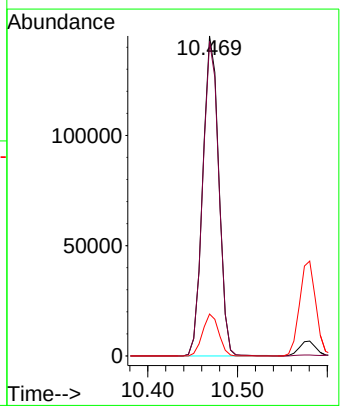
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

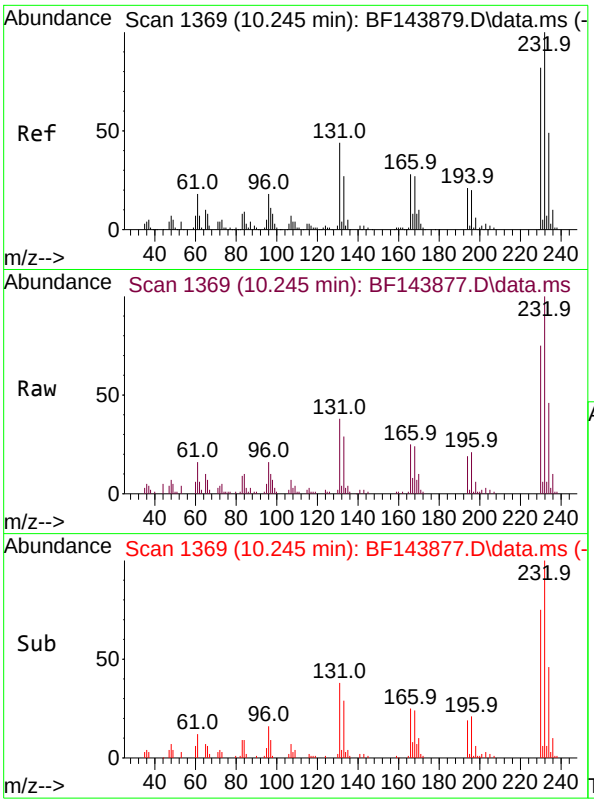


#58
Fluorene
Concen: 11.683 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

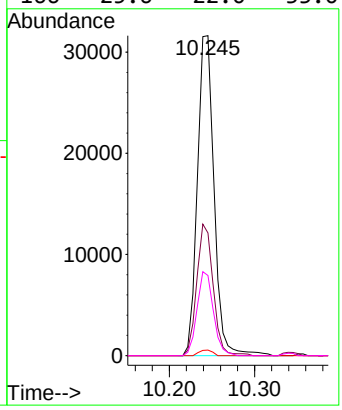




#59
2,3,4,6-Tetrachlorophenol
Concen: 10.041 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:232 Resp: 4305

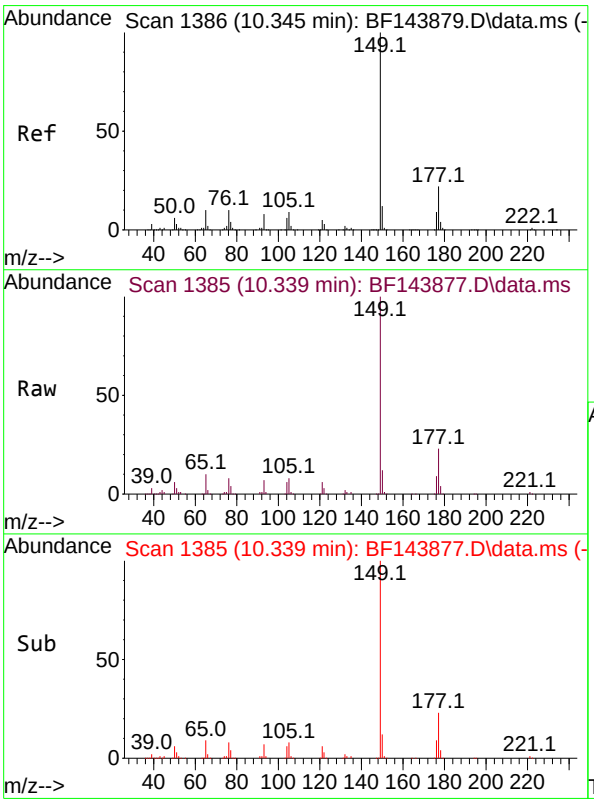
Ion	Ratio	Lower	Upper
232	100		
131	40.3	34.9	52.3
130	1.4	1.6	2.4#
166	25.6	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

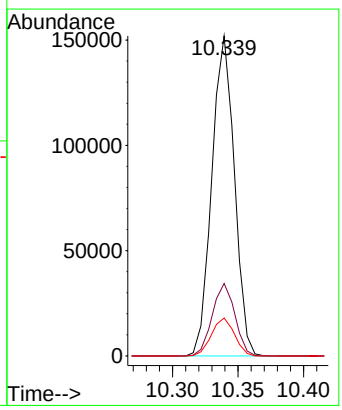
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

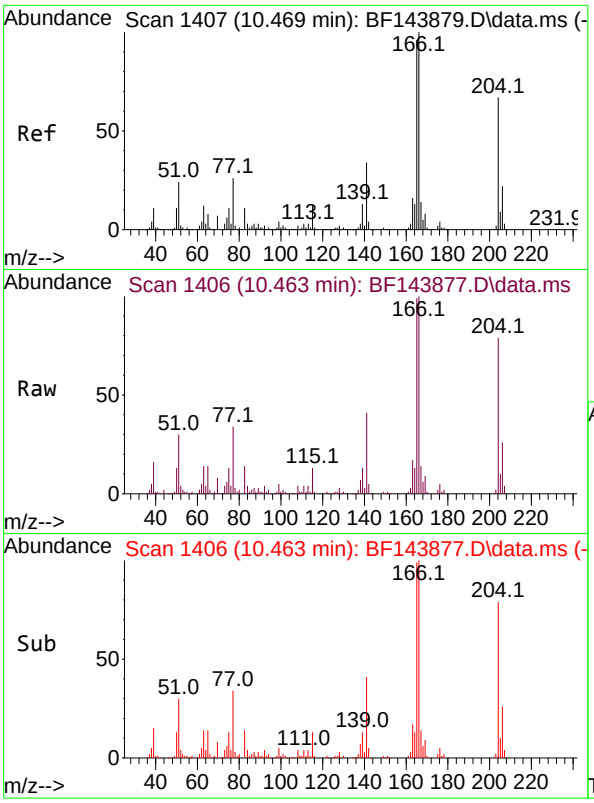


#60
Diethylphthalate
Concen: 10.860 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

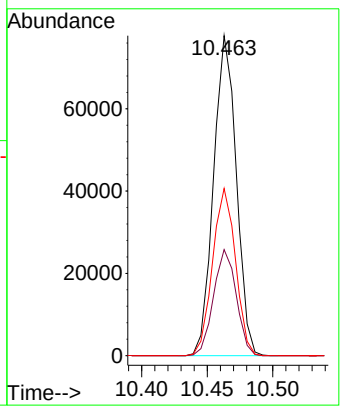
Tgt Ion:204 Resp: 9400

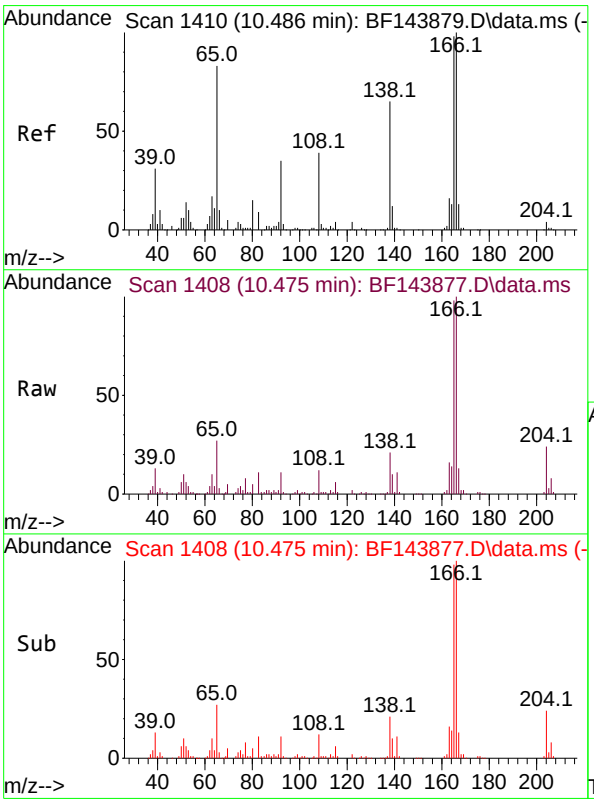
Ion	Ratio	Lower	Upper
204	100		
206	33.1	26.6	40.0
141	52.2	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

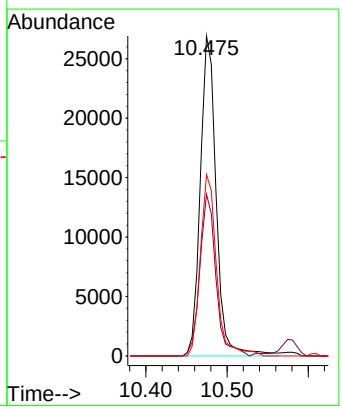


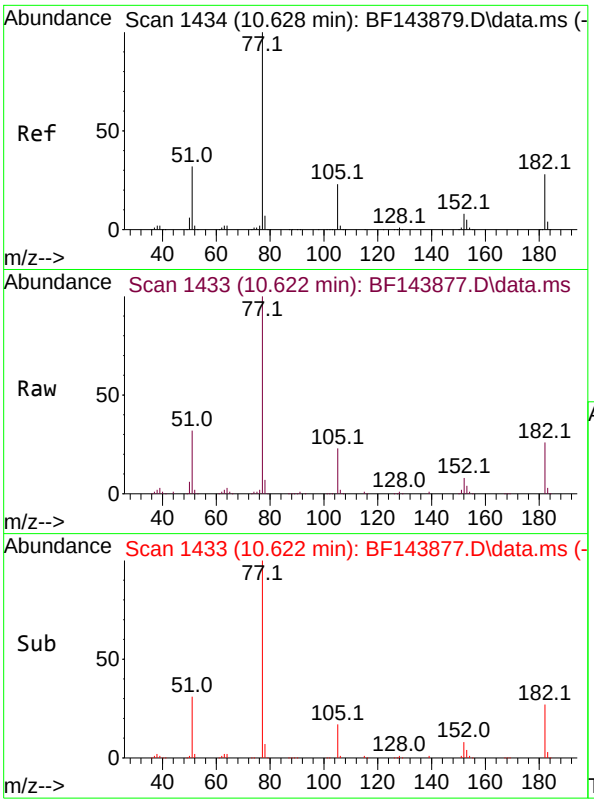


#62
4-Nitroaniline
Concen: 9.322 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

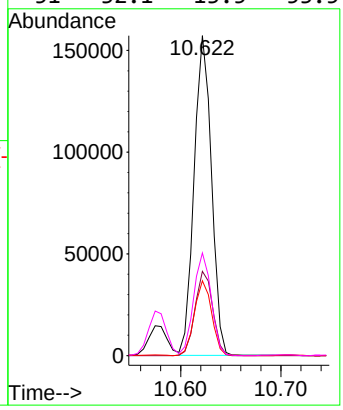




#63
Azobenzene
Concen: 10.794 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion: 77 Resp: 188888

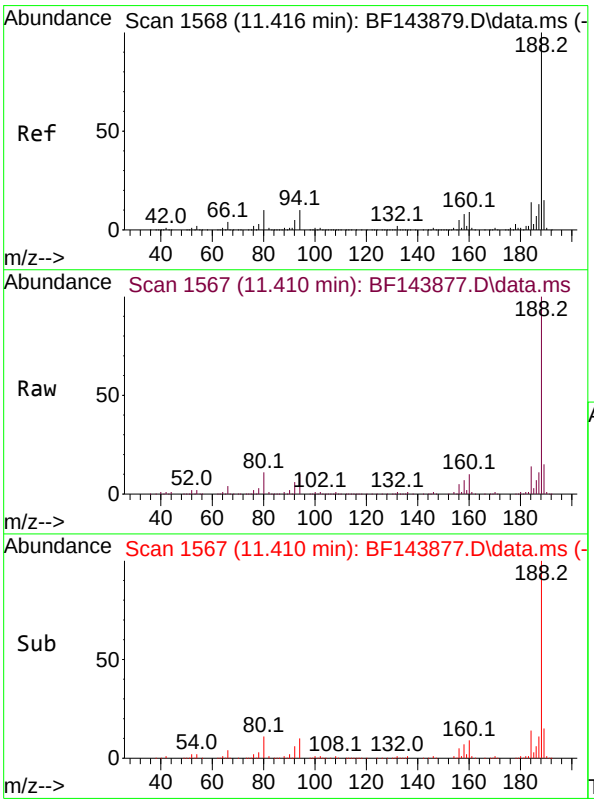
Ion	Ratio	Lower	Upper
77	100		
182	26.3	7.3	47.3
105	23.4	3.0	43.0
51	32.1	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

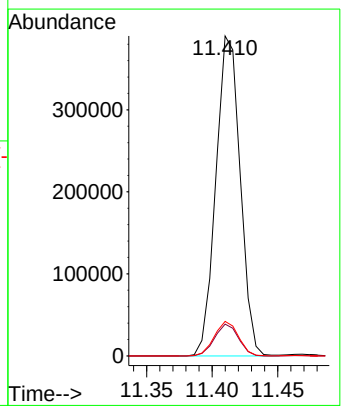
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

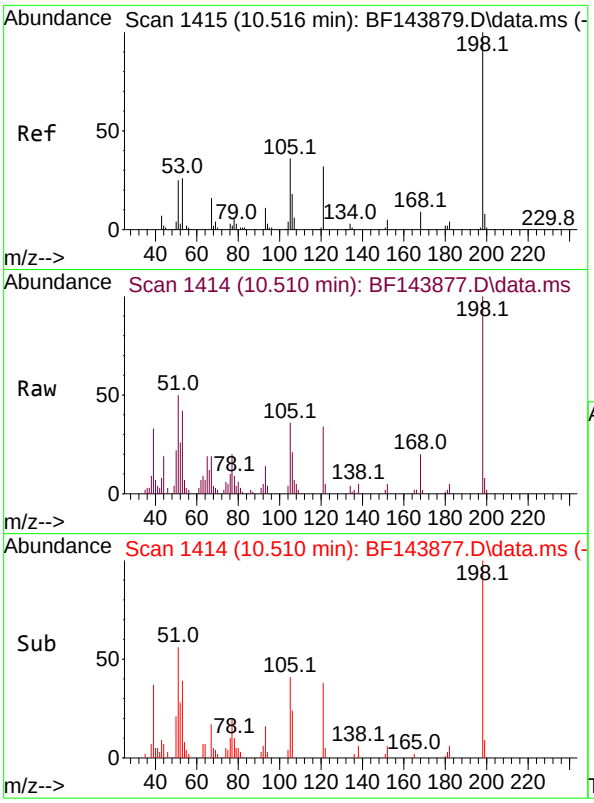


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

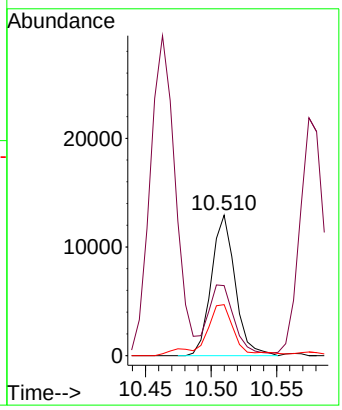
Tgt Ion:198 Resp: 1627

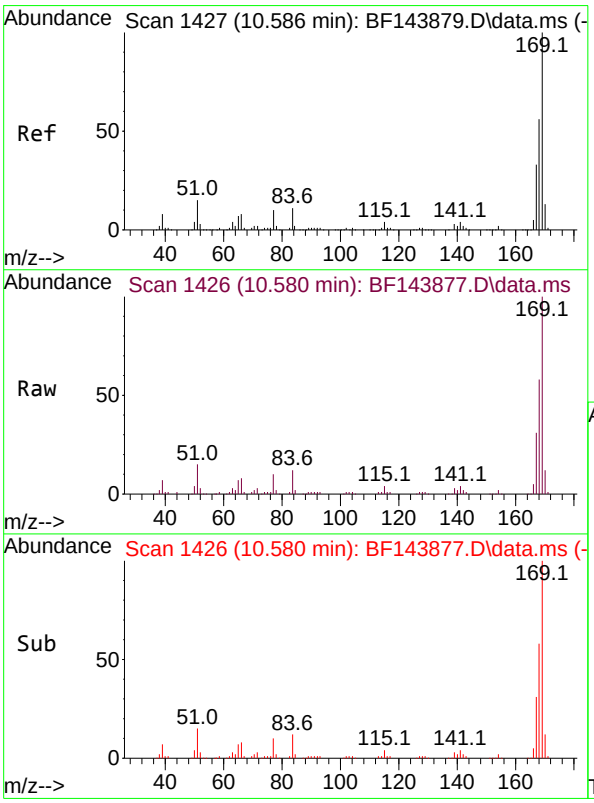
Ion	Ratio	Lower	Upper
198	100		
51	49.9	33.8	73.8
105	36.3	17.0	57.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

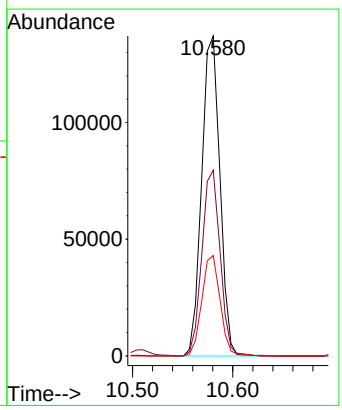


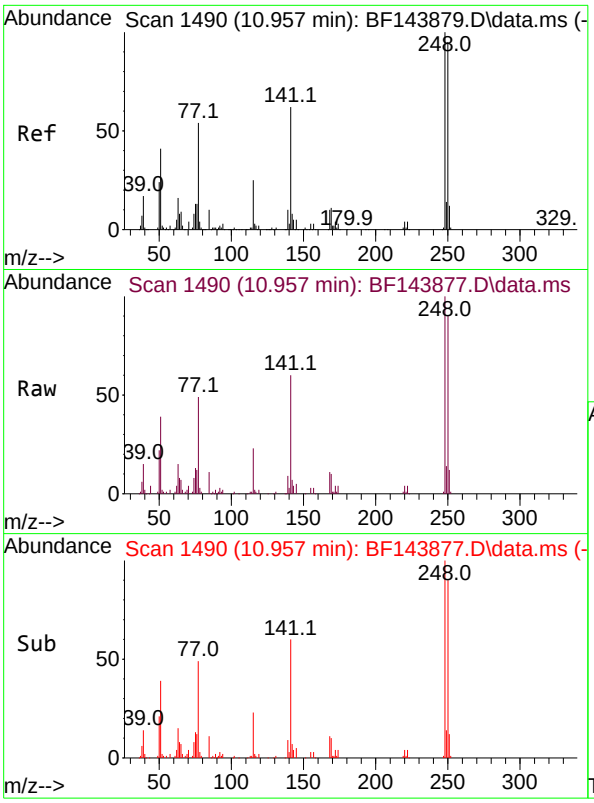


#66
n-Nitrosodiphenylamine
Concen: 10.869 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

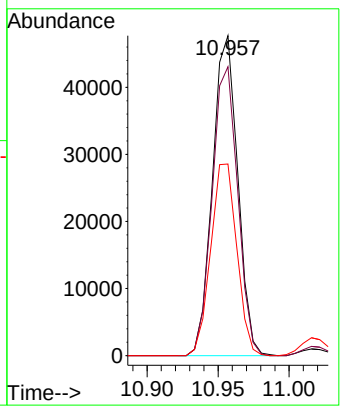




#67
4-Bromophenyl-phenylether
Concen: 10.581 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:248 Resp: 5898

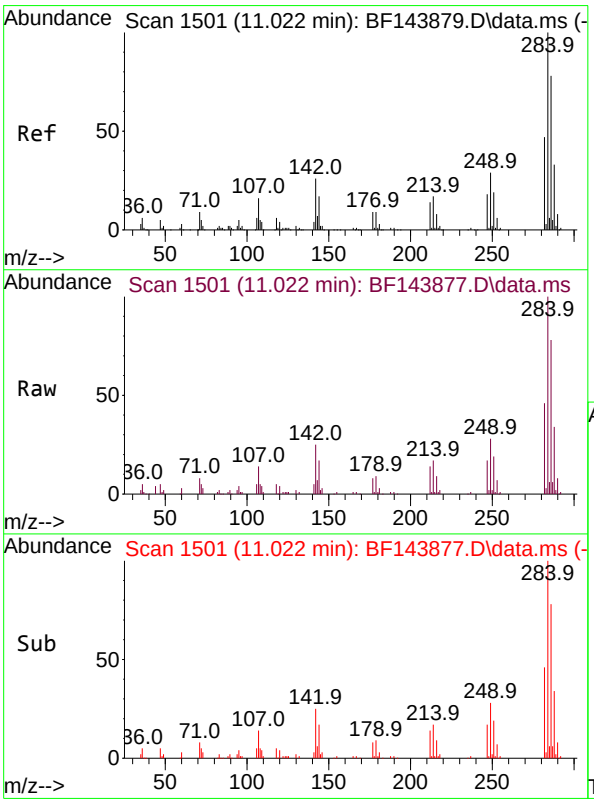
Ion	Ratio	Lower	Upper
248	100		
250	90.3	76.3	114.5
141	59.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

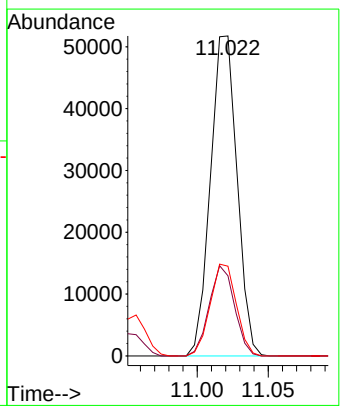
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

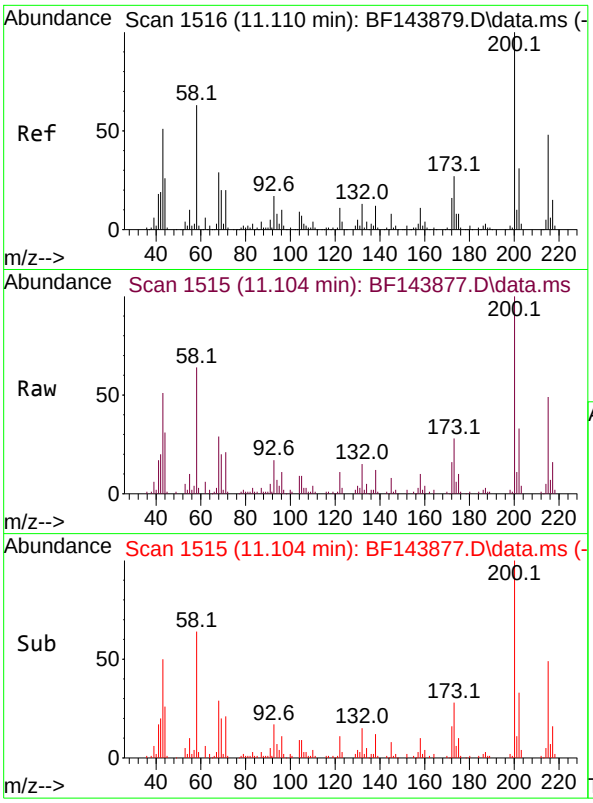


#68
Hexachlorobenzene
Concen: 10.459 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

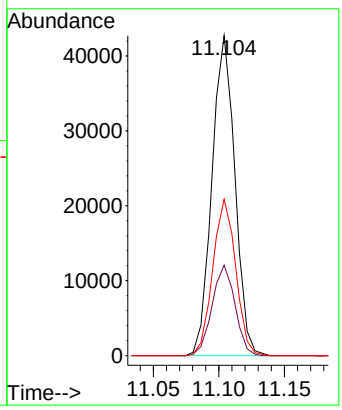




#69
Atrazine
Concen: 10.837 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:200 Resp: 5201

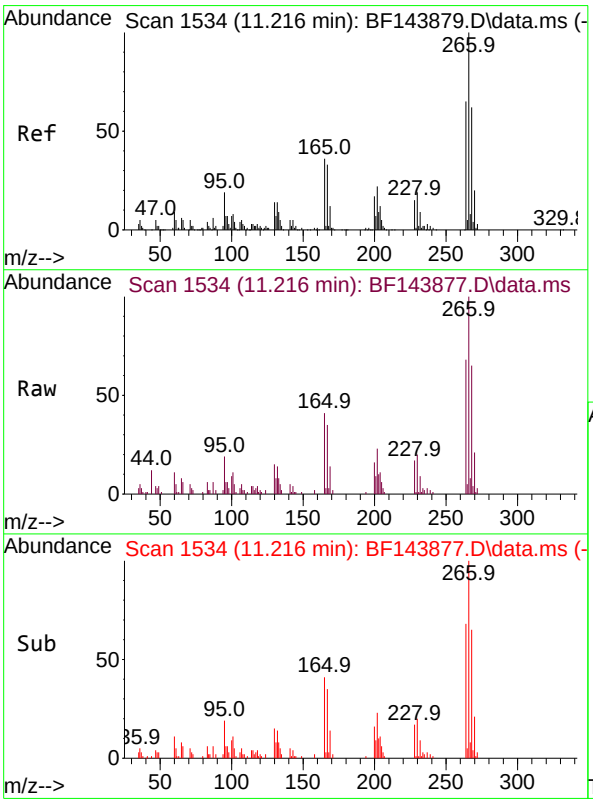
Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.0	47.0
215	48.9	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

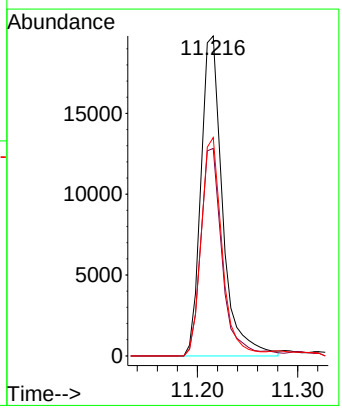
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

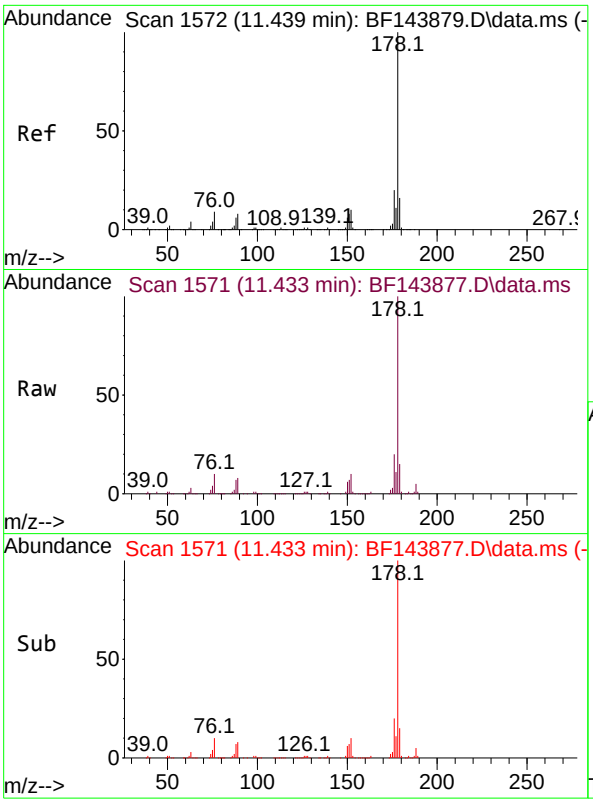


#70
Pentachlorophenol
Concen: 7.989 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

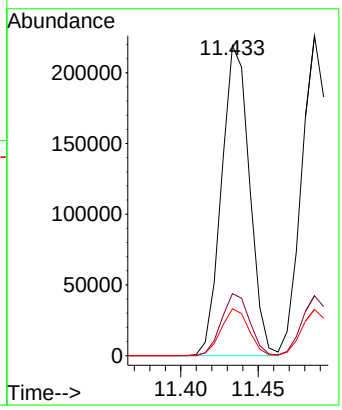




#71
Phenanthrene
Concen: 11.267 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:178 Resp: 27548

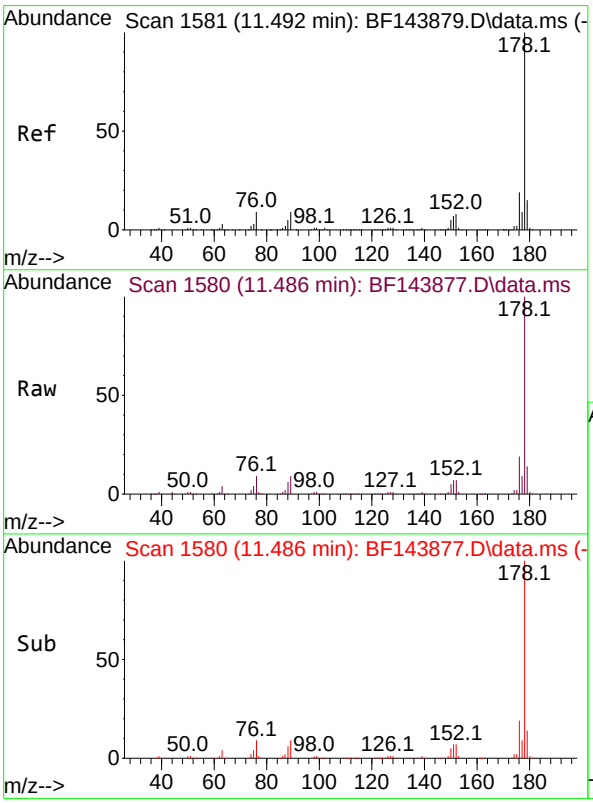
Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.1	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

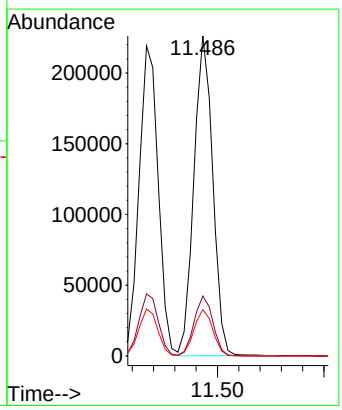
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

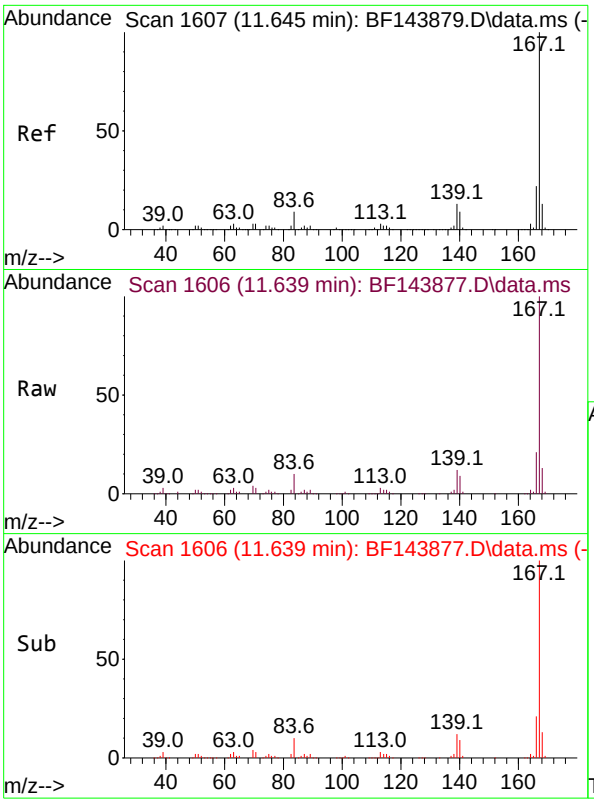


#72
Anthracene
Concen: 11.201 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

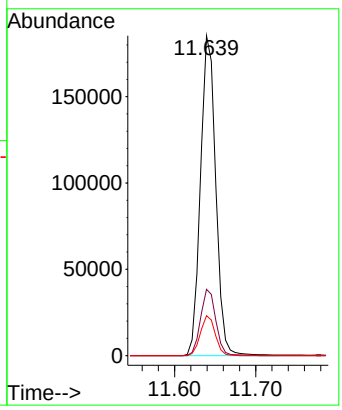




#73
Carbazole
Concen: 11.086 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:167 Resp: 24253

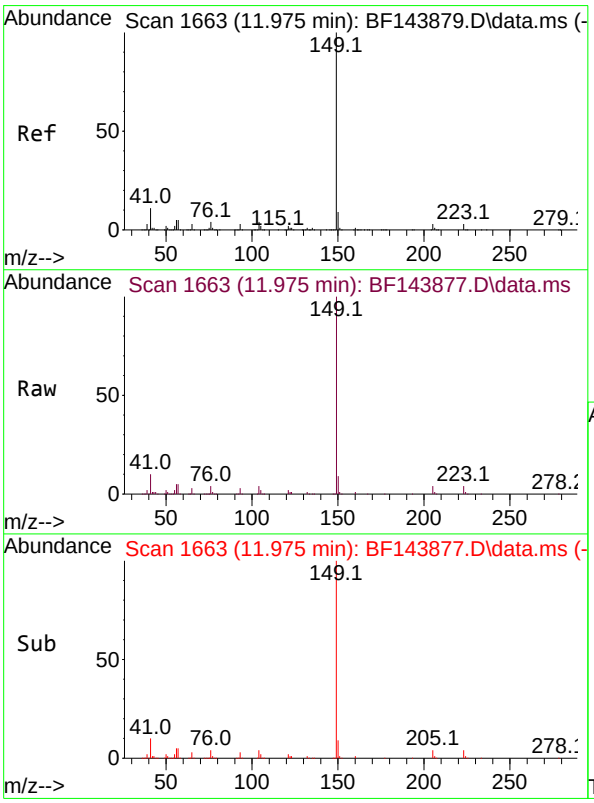
Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.5	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

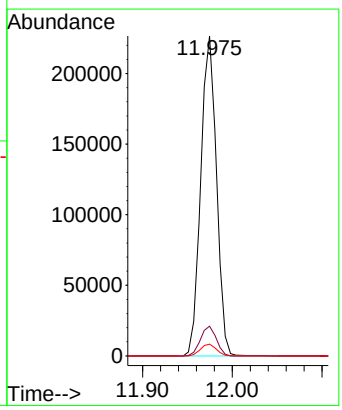
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

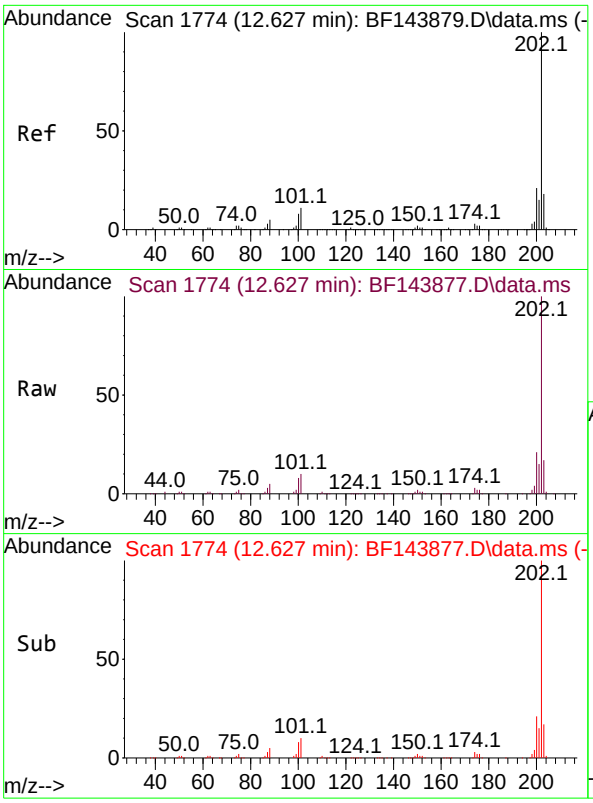


#74
Di-n-butylphthalate
Concen: 10.879 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

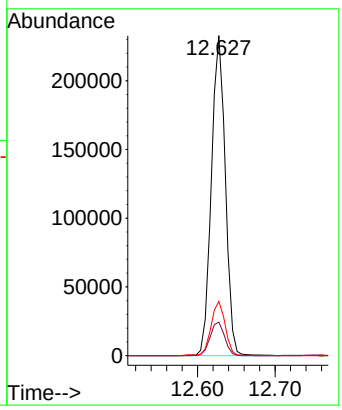




#75
Fluoranthene
Concen: 11.510 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:202 Resp: 29071

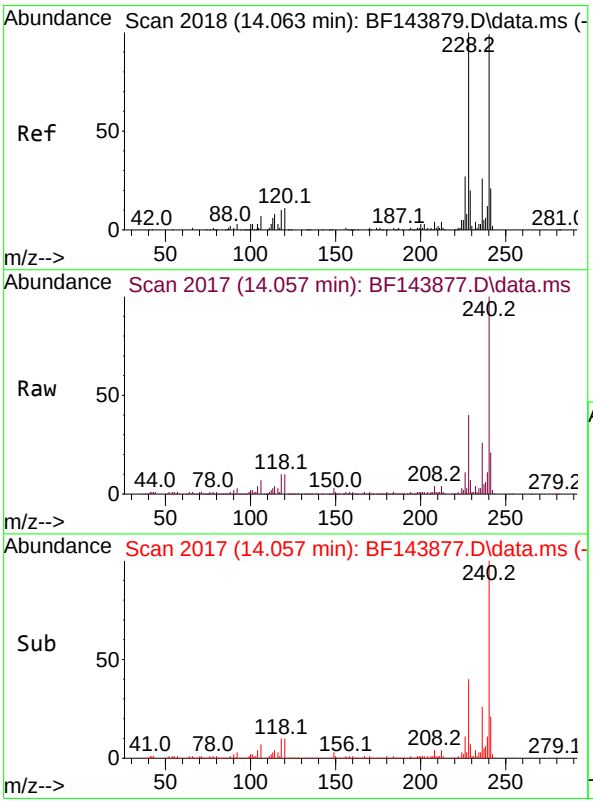
Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	30.7
203	16.9	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

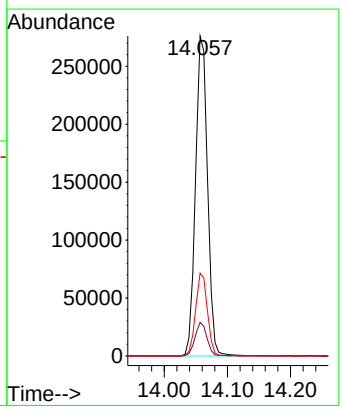
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

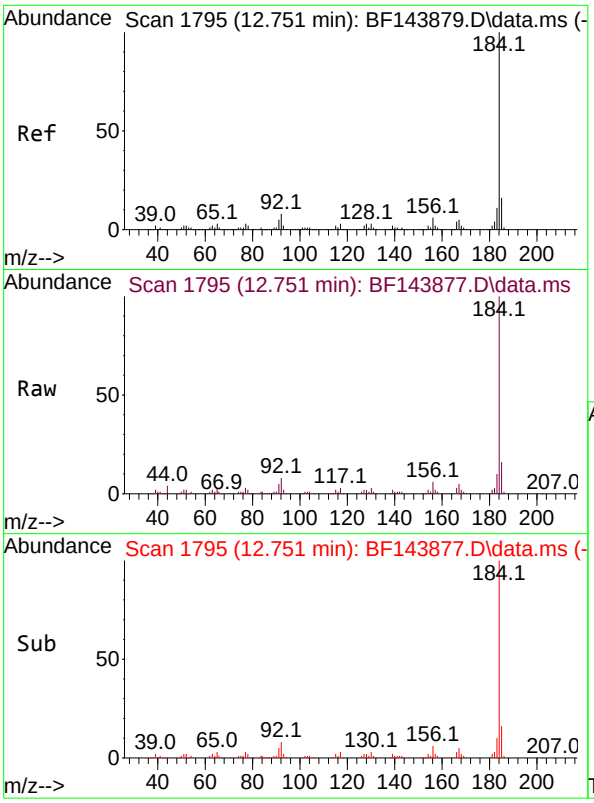


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

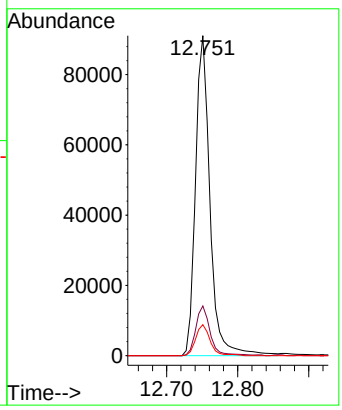




#77
Benzidine
Concen: 10.092 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:184 Resp: 12842

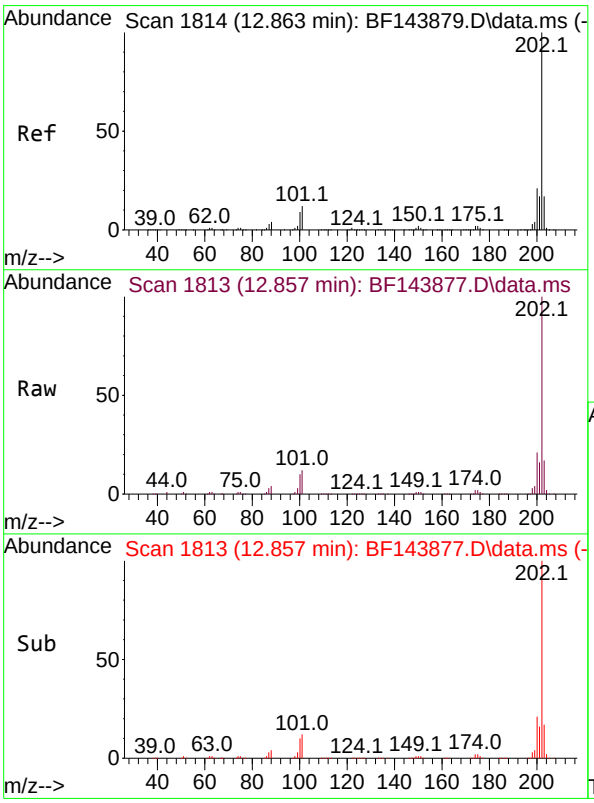
Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	9.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

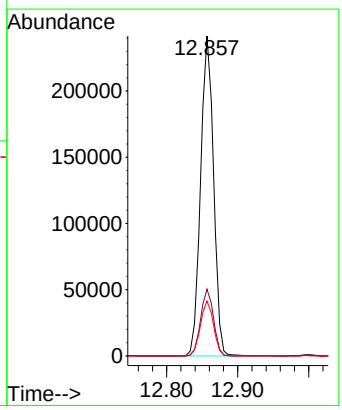
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

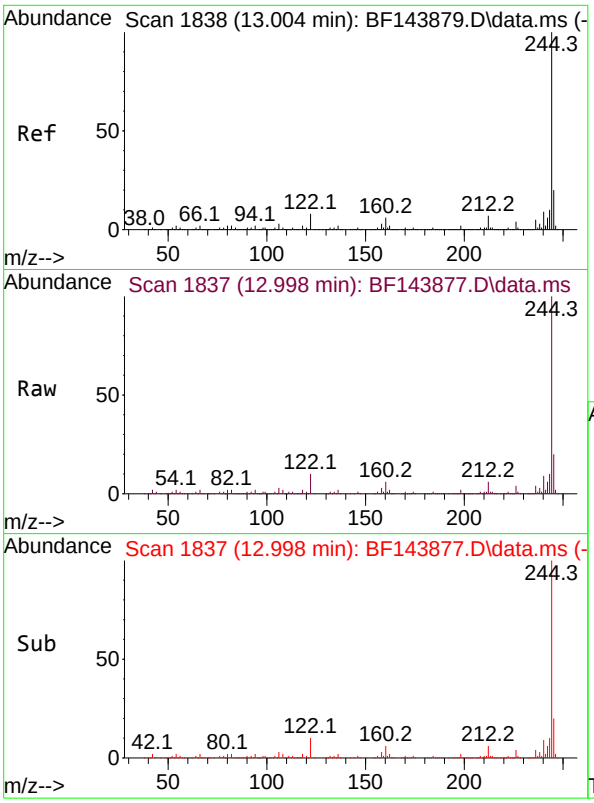


#78
Pyrene
Concen: 9.975 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

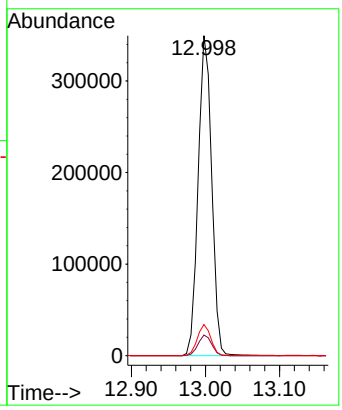




#79
Terphenyl-d14
Concen: 20.657 ng
RT: 12.998 min Scan# 18
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:244 Resp: 44296

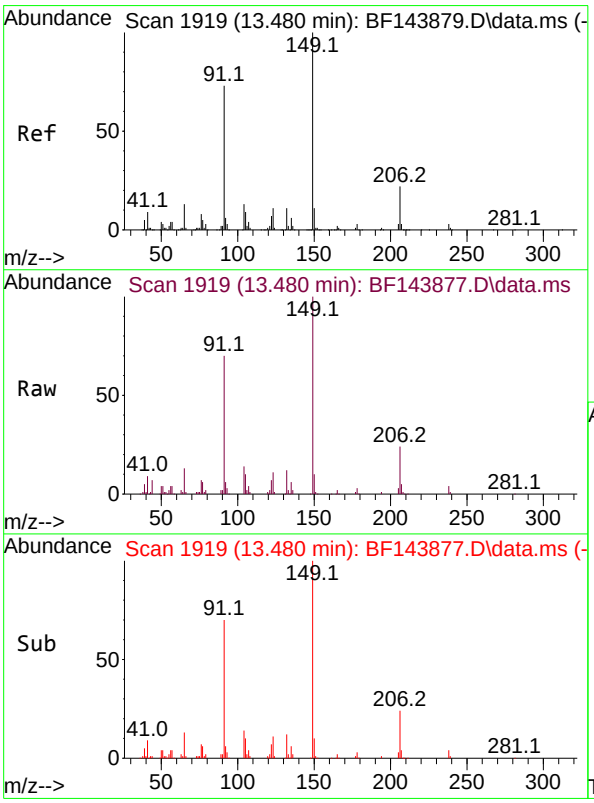
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.7	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

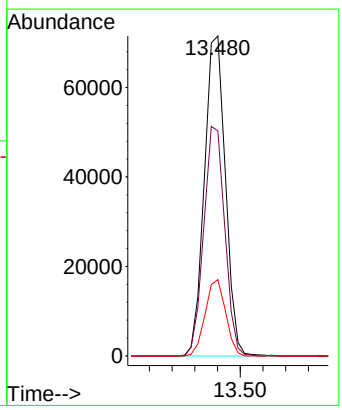
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

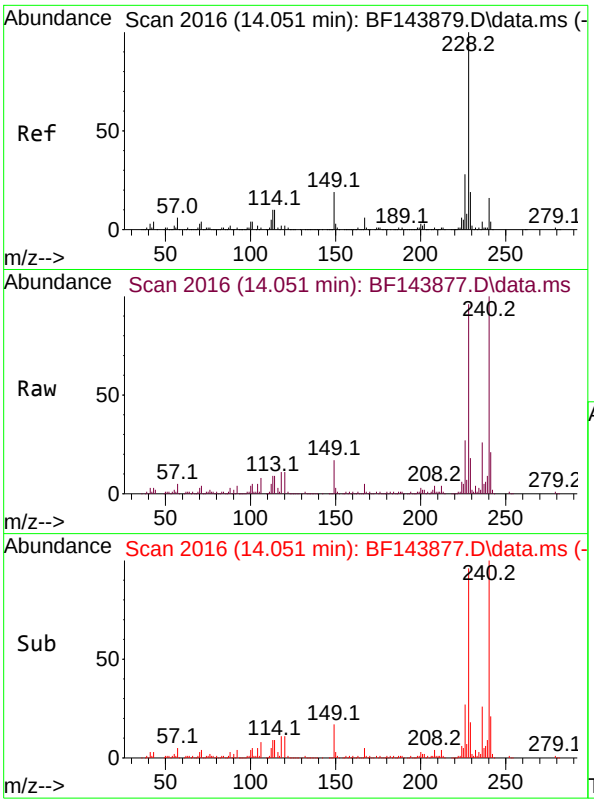


#80
Butylbenzylphthalate
Concen: 9.296 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

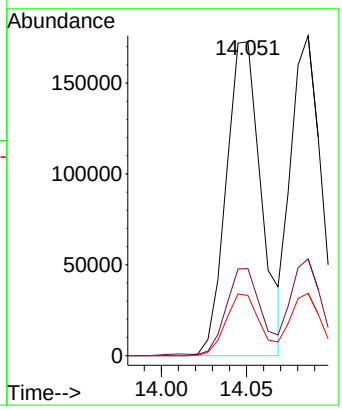




#81
Benzo(a)anthracene
Concen: 10.293 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:228 Resp: 24687

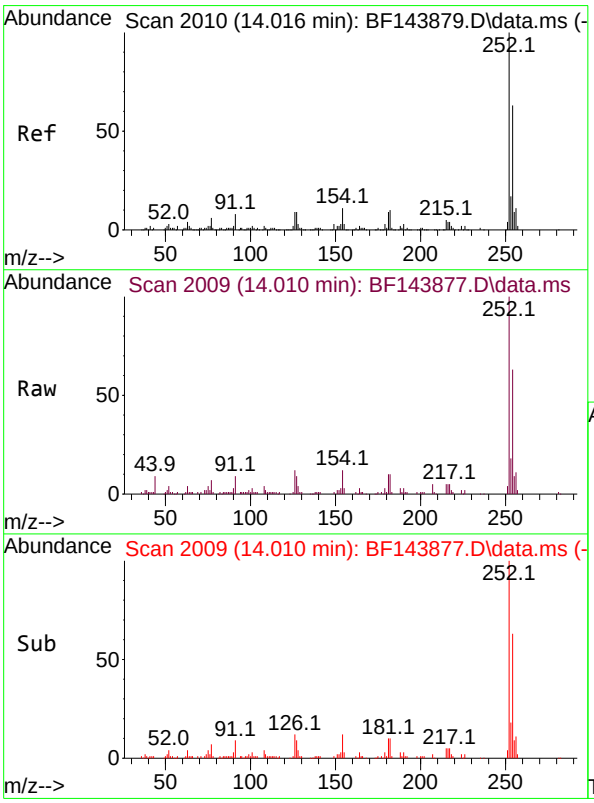
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.1	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

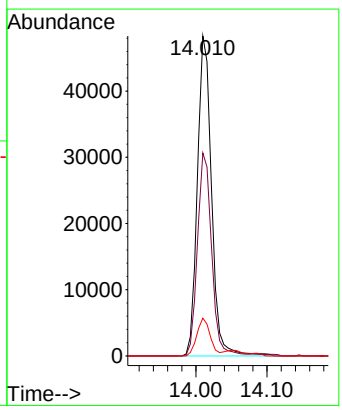
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

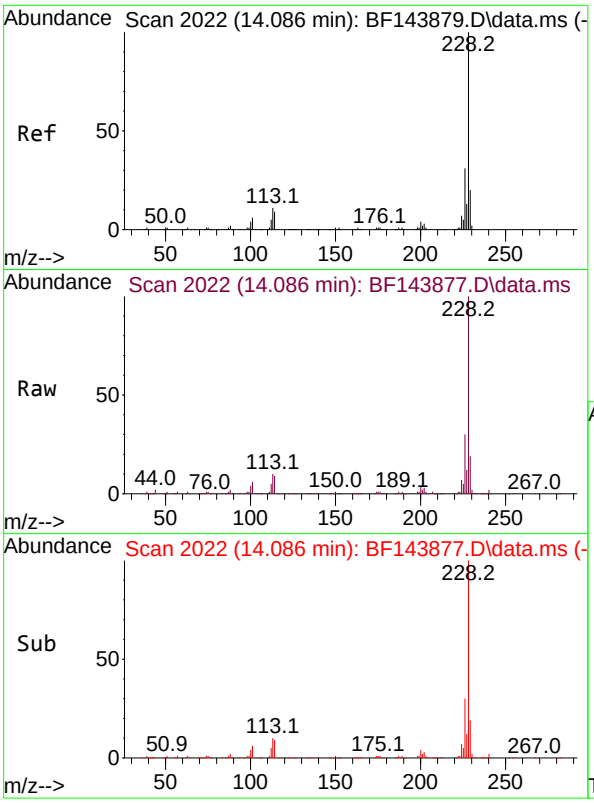


#82
3,3'-Dichlorobenzidine
Concen: 9.129 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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#

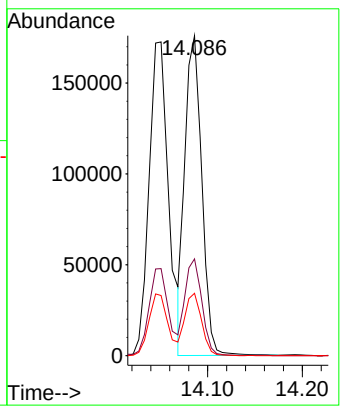




#83
Chrysene
Concen: 9.809 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:228 Resp: 21774

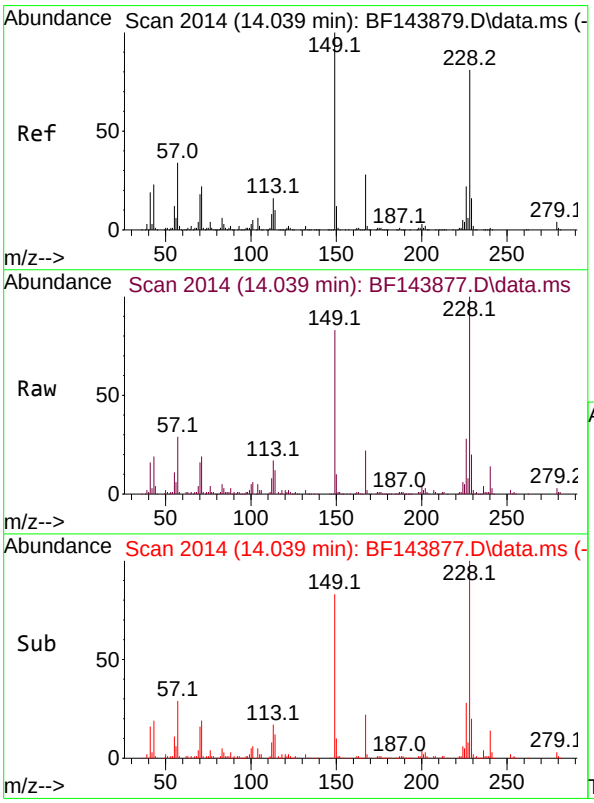
Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.5	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

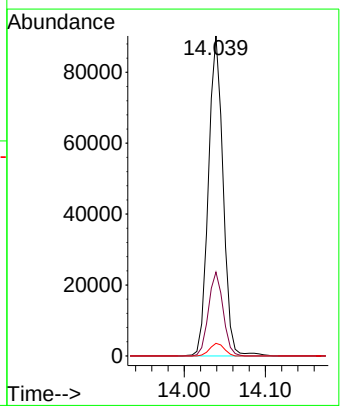
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

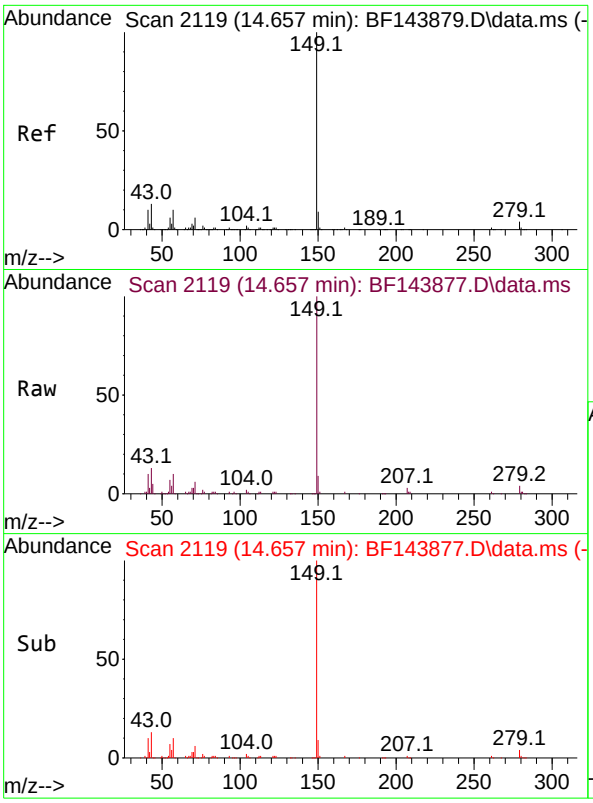


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.483 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

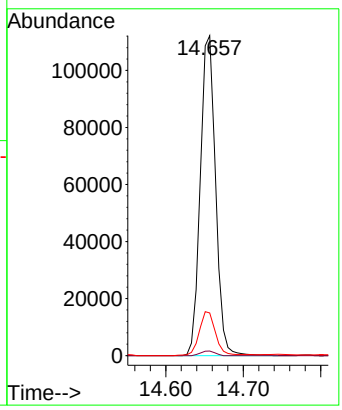




#85
Di-n-octyl phthalate
Concen: 7.810 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:149 Resp: 153434

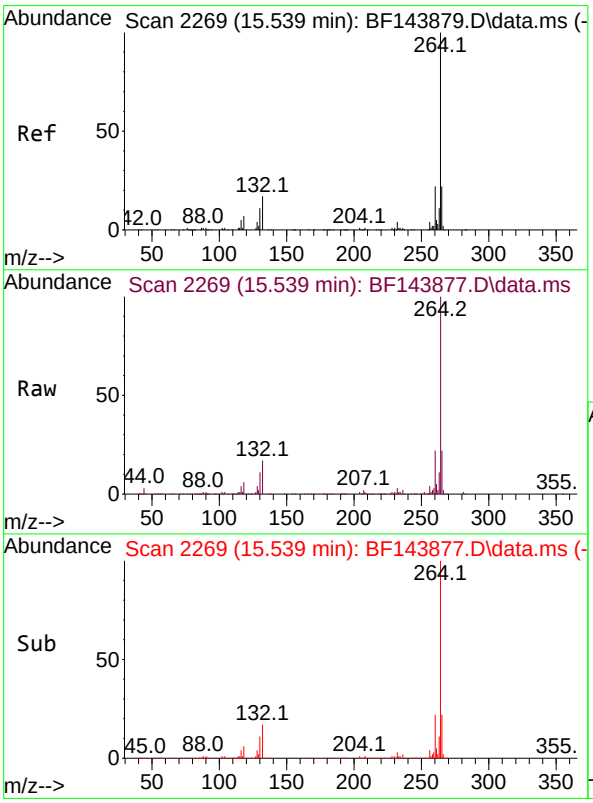
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	14.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

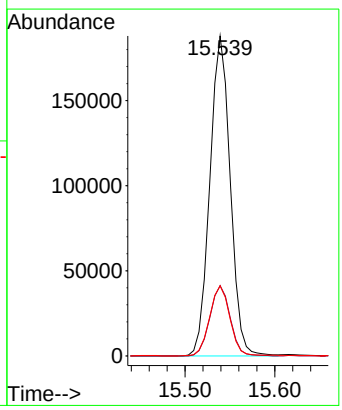
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

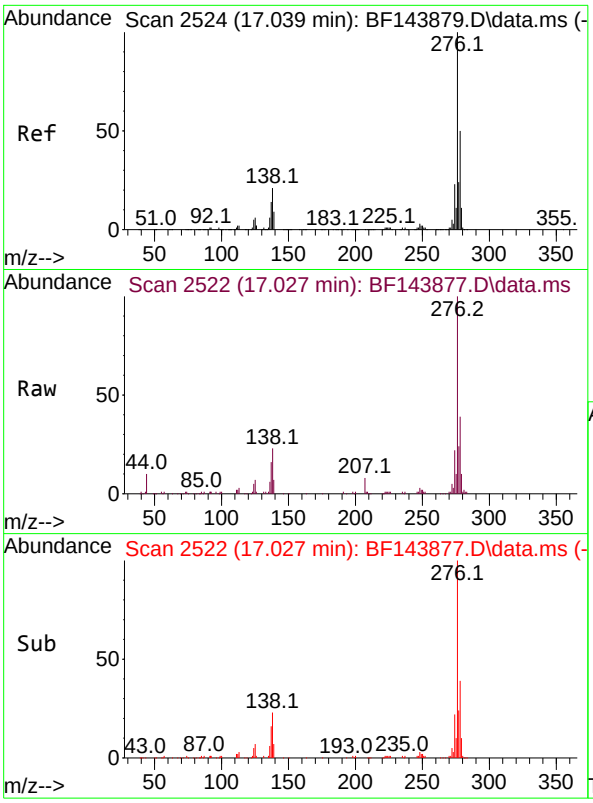


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

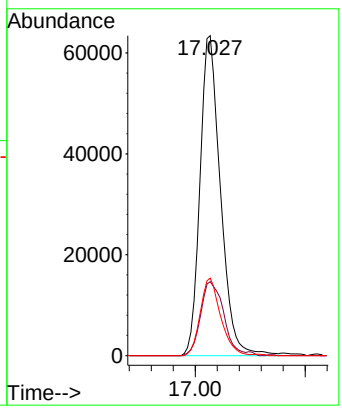




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.011 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:276 Resp: 16420

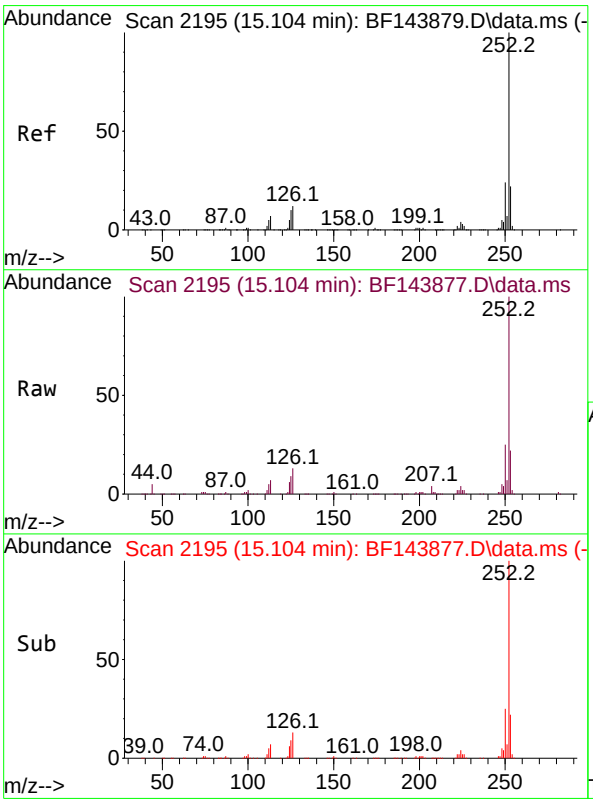
Ion	Ratio	Lower	Upper
276	100		
138	26.2	18.2	27.2
277	24.1	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

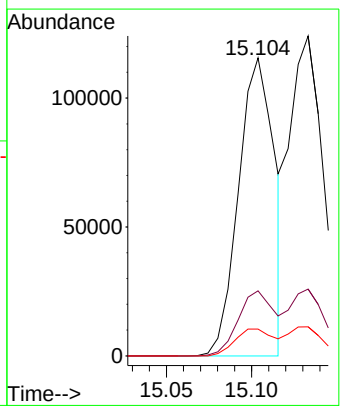
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

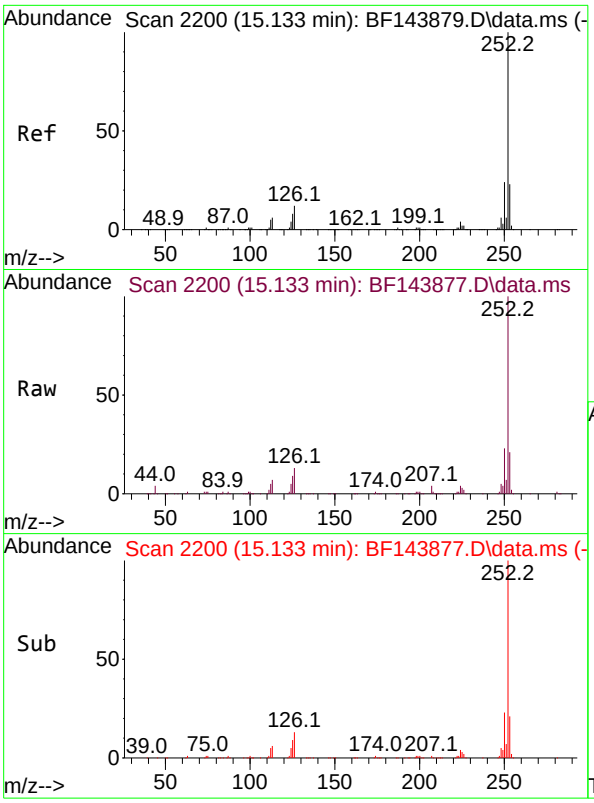


#88
Benzo(b)fluoranthene
Concen: 9.901 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

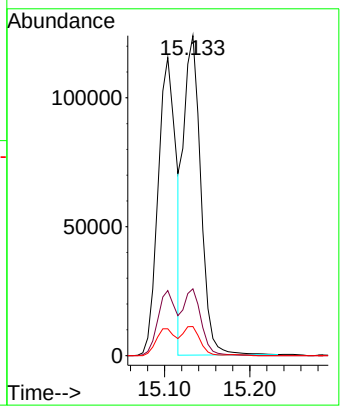




#89
Benzo(k)fluoranthene
Concen: 11.032 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:252 Resp: 17439

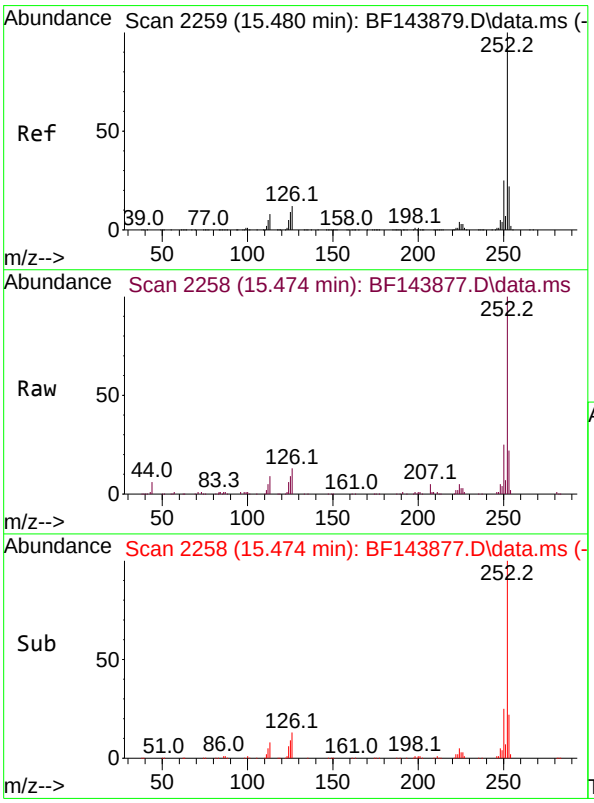
Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.8	26.8
125	9.1	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

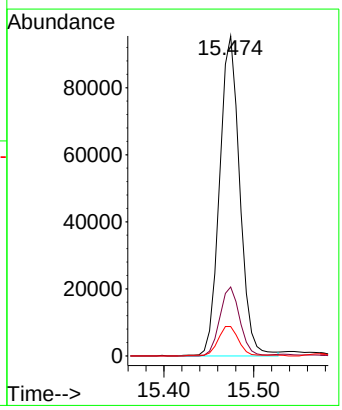
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

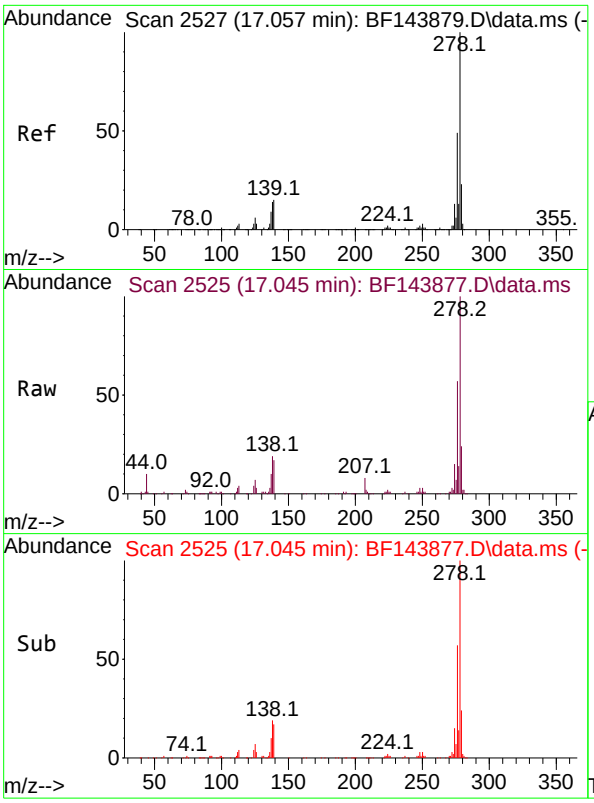


#90
Benzo(a)pyrene
Concen: 10.096 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

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

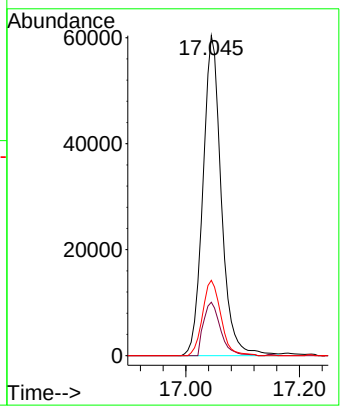




#91
Dibenzo(a,h)anthracene
Concen: 9.279 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143877.D
Acq: 06 Oct 2025 10:57

Tgt Ion:278 Resp: 13599

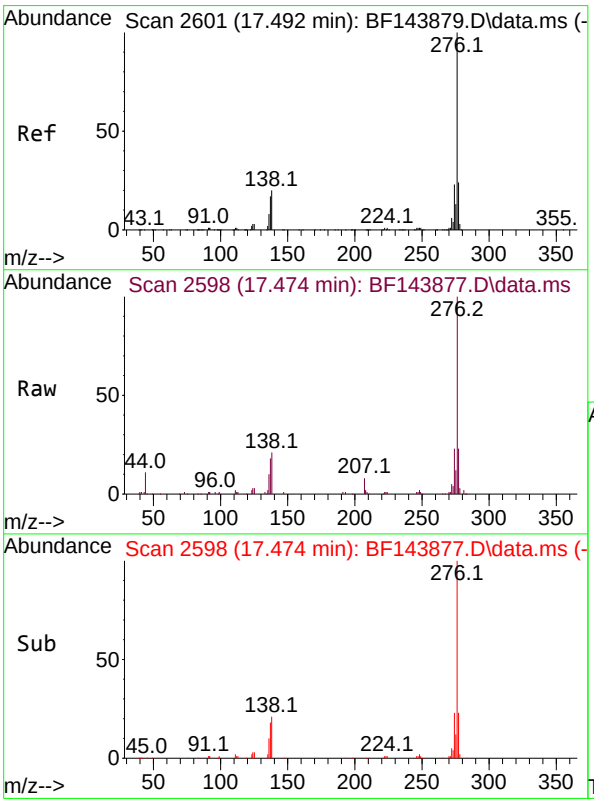
Ion	Ratio	Lower	Upper
278	100		
139	16.7	11.7	17.5
279	23.5	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

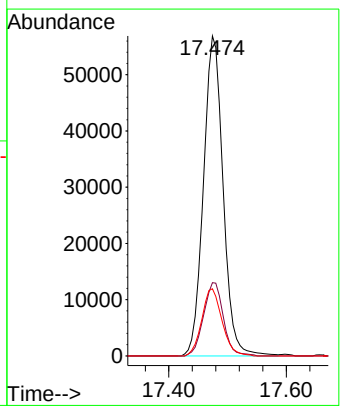
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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



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)
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

ICAL Form

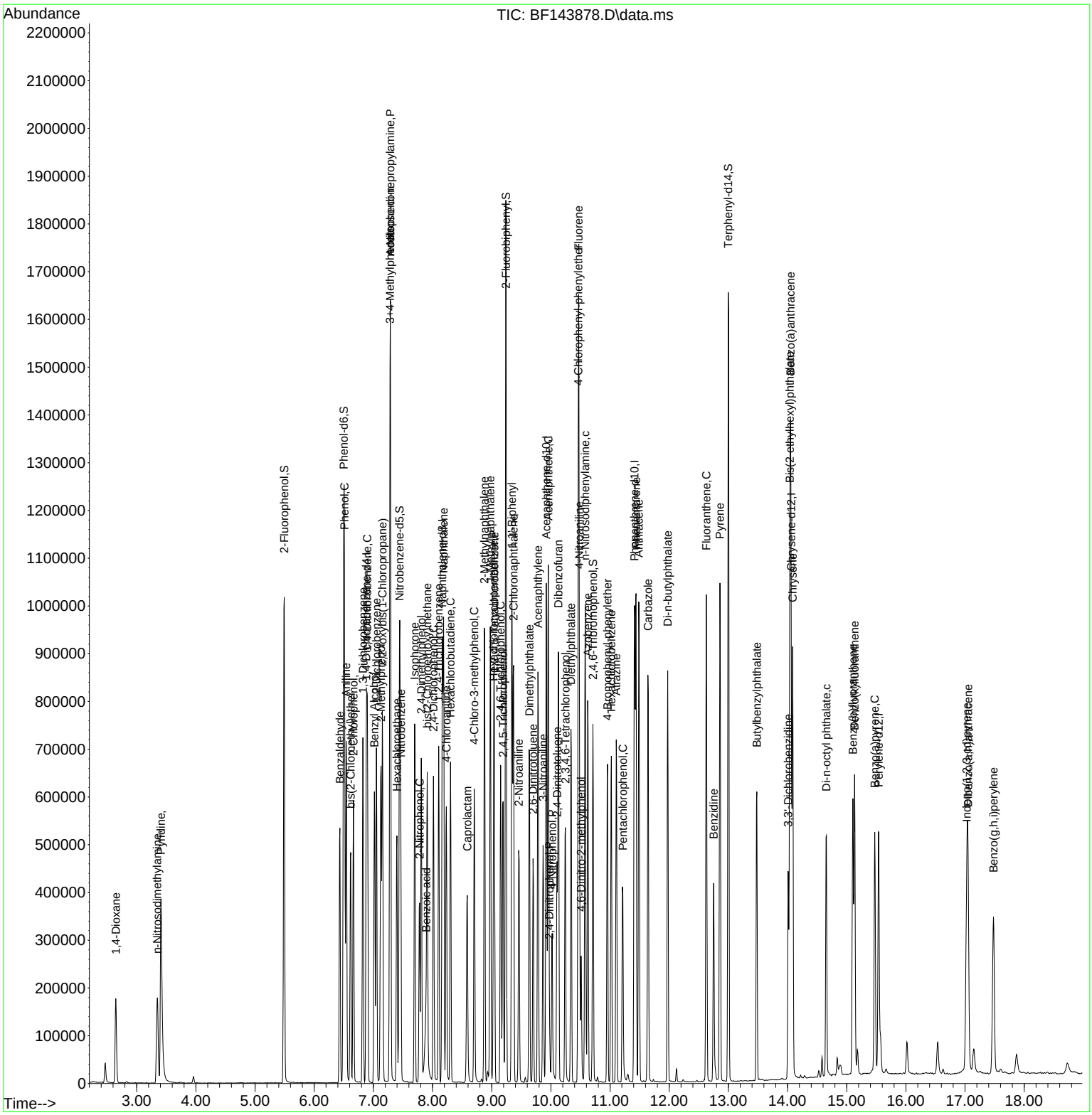
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143878.D
Acq On : 06 Oct 2025 11:56
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

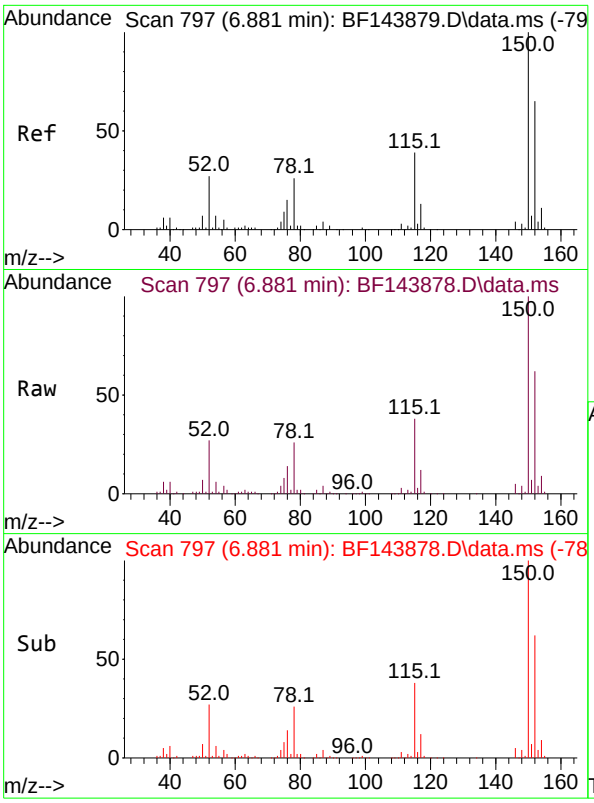
Quant Time: Oct 06 15:38:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

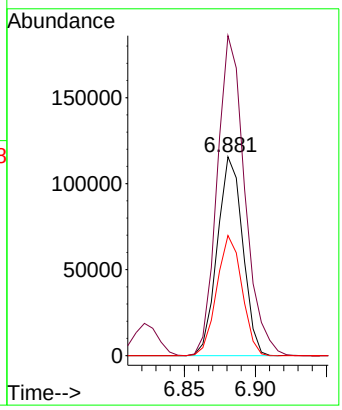




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:152 Resp: 144071

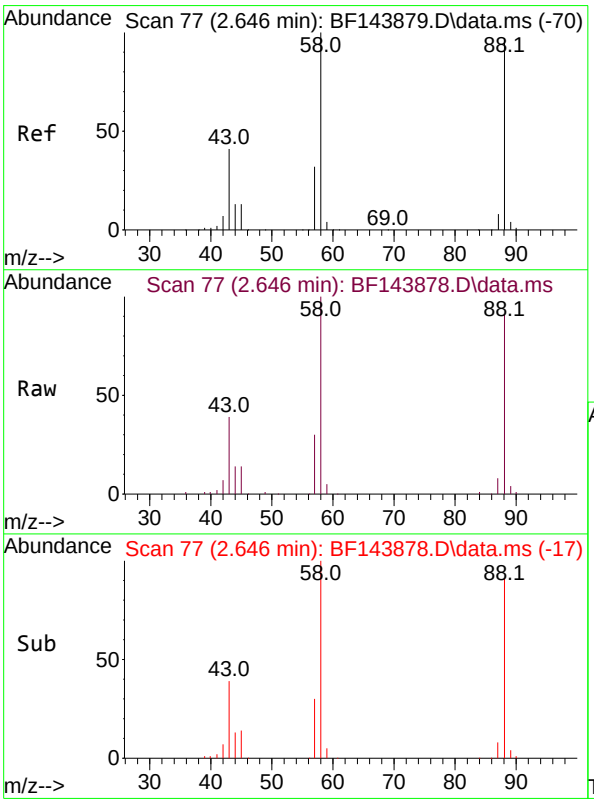
Ion	Ratio	Lower	Upper
152	100		
150	160.9	124.4	186.6
115	60.4	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

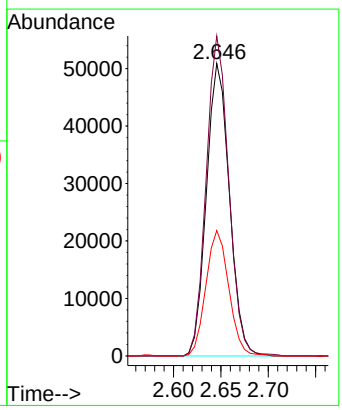
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

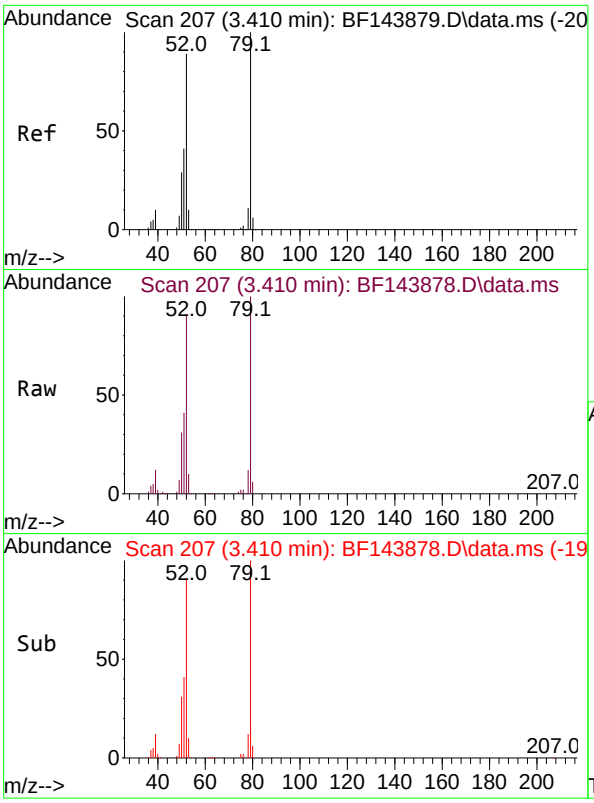


#2
1,4-Dioxane
Concen: 20.503 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

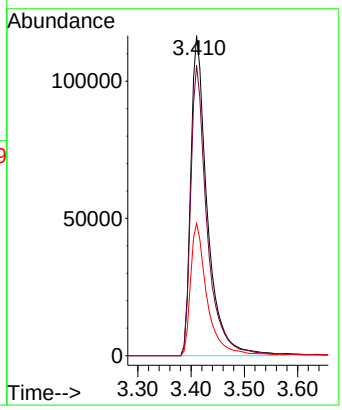




#3
Pyridine
Concen: 20.618 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 79 Resp: 25198

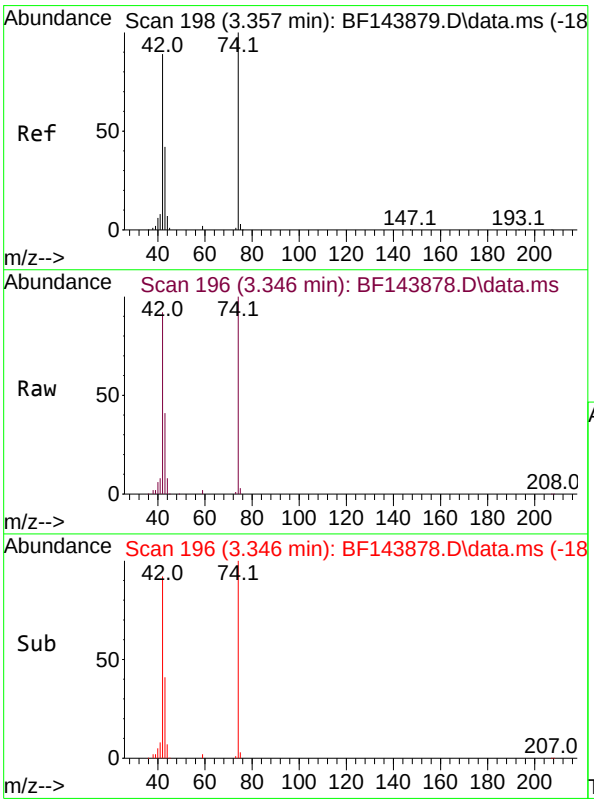
Ion	Ratio	Lower	Upper
79	100		
52	90.7	71.5	107.3
51	41.3	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

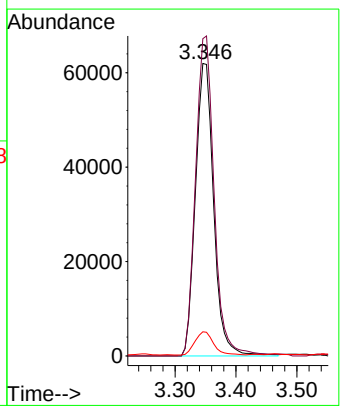
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

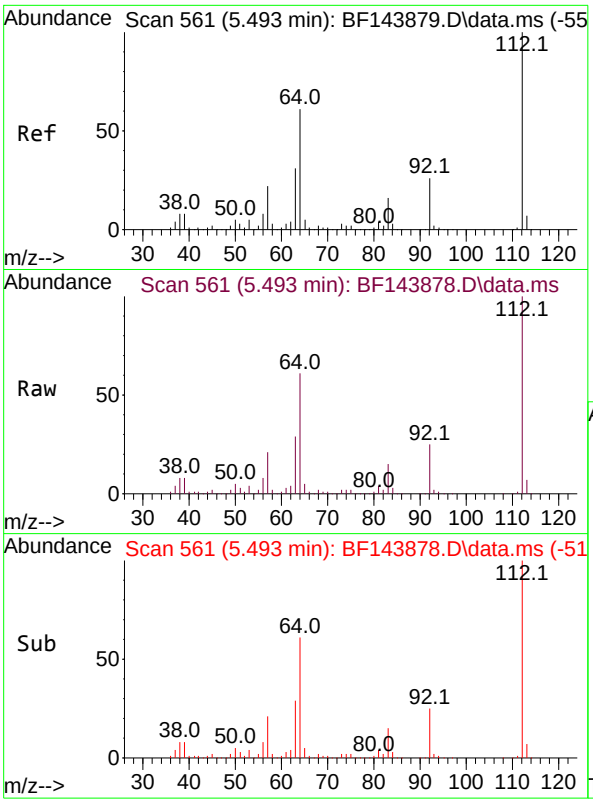


#4
n-Nitrosodimethylamine
Concen: 20.051 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.041 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

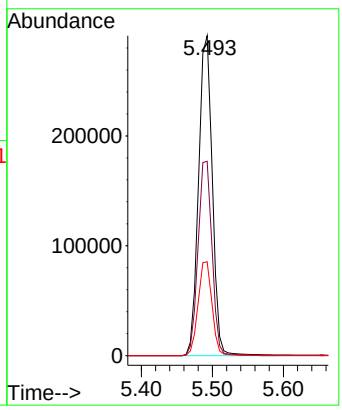
Tgt Ion:112 Resp: 38964

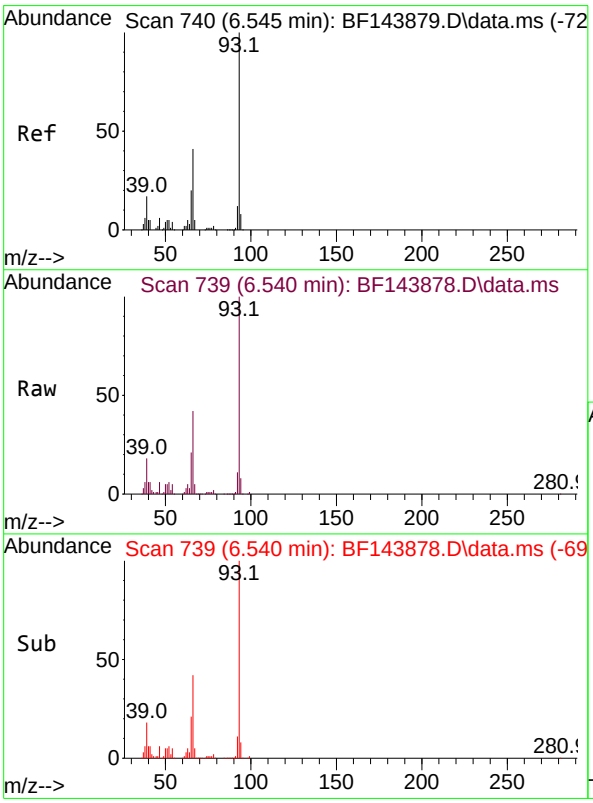
Ion	Ratio	Lower	Upper
112	100		
64	60.7	49.1	73.7
63	29.3	24.5	36.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

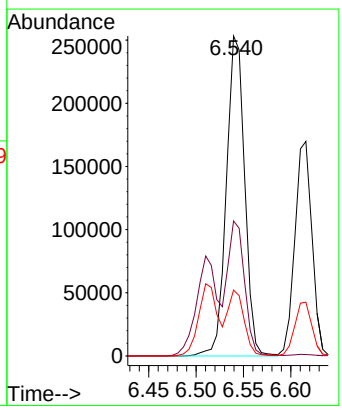


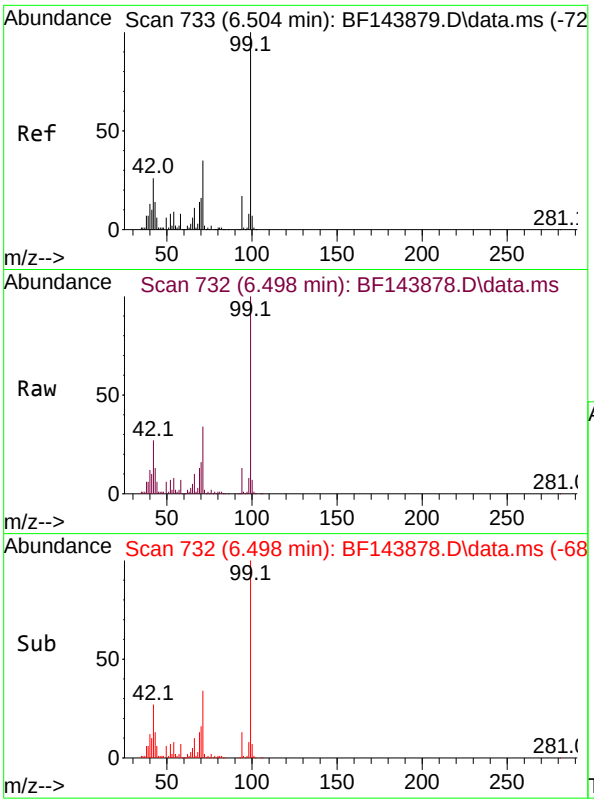


#6
Aniline
Concen: 20.994 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

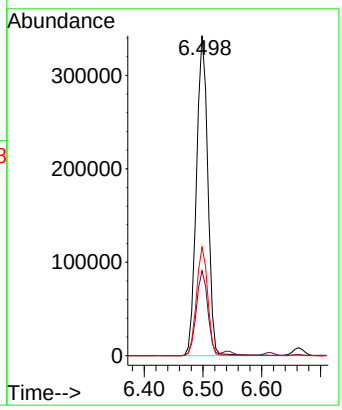




#7
Phenol-d6
Concen: 42.670 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 99 Resp: 46143

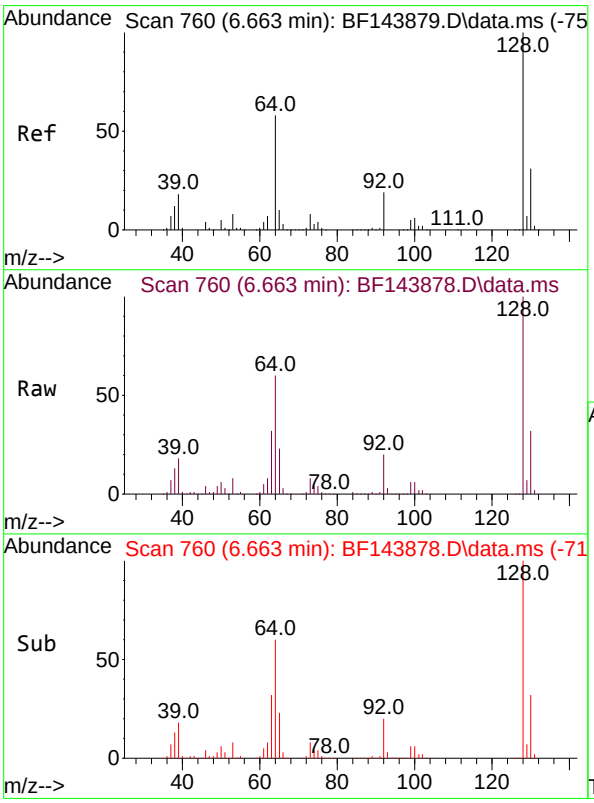
Ion	Ratio	Lower	Upper
99	100		
42	26.5	21.0	31.4
71	33.9	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

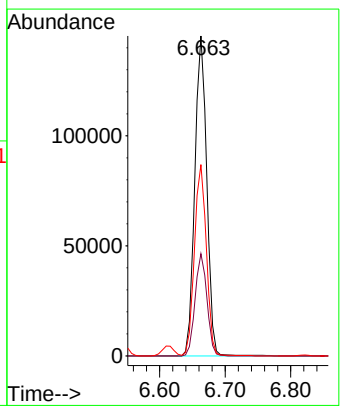
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

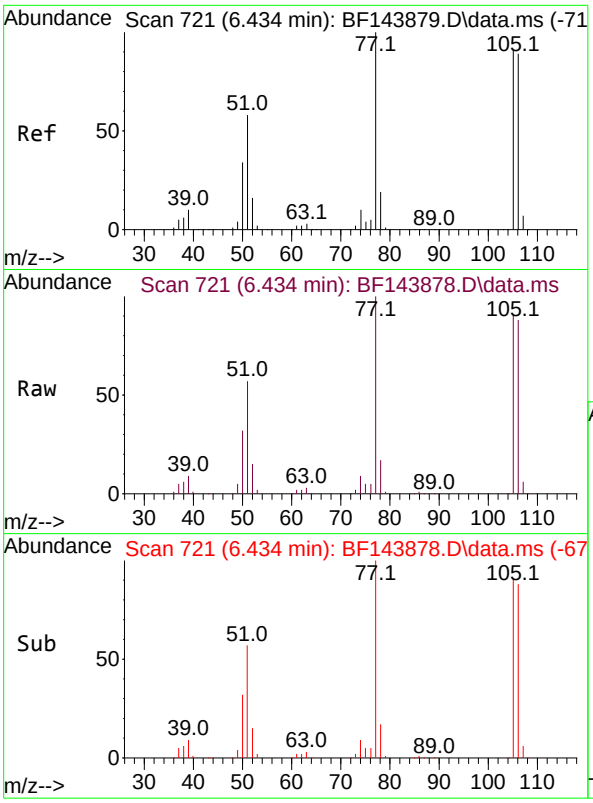


#8
2-Chlorophenol
Concen: 20.704 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

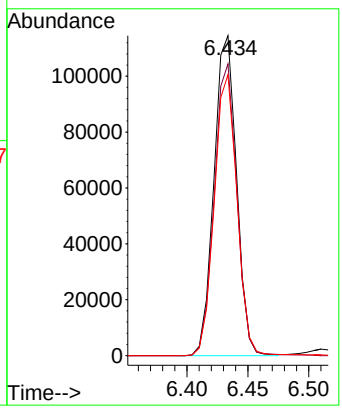




#9
Benzaldehyde
Concen: 17.715 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 14778

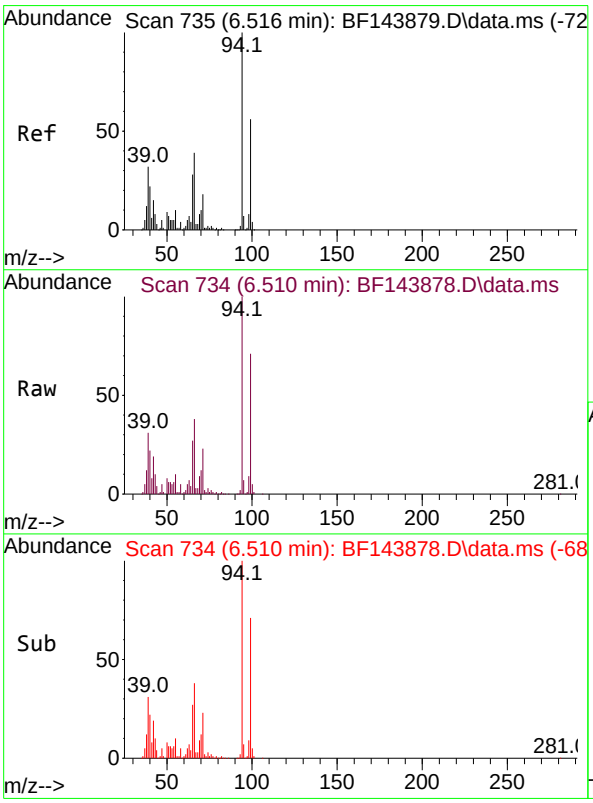
Ion	Ratio	Lower	Upper
77	100		
105	91.2	70.9	110.9
106	87.8	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

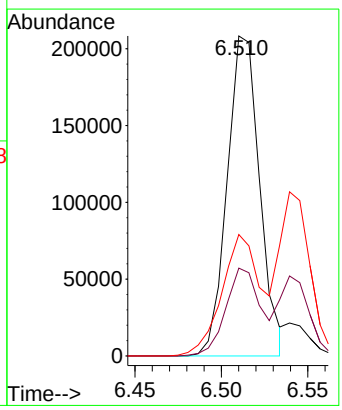
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

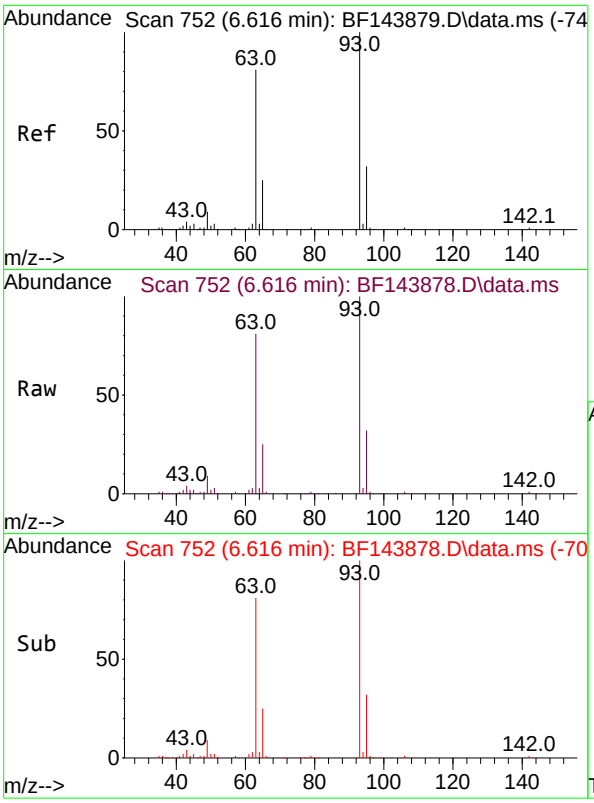


#10
Phenol
Concen: 21.046 ng m
RT: 6.510 min Scan# 734
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

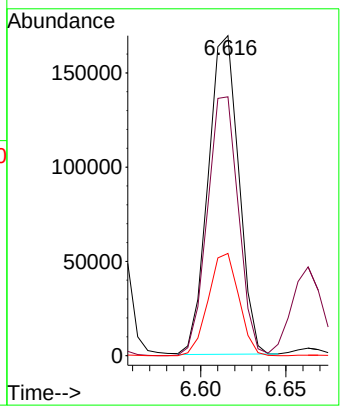




#11
bis(2-Chloroethyl)ether
Concen: 21.157 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 93 Resp: 21129

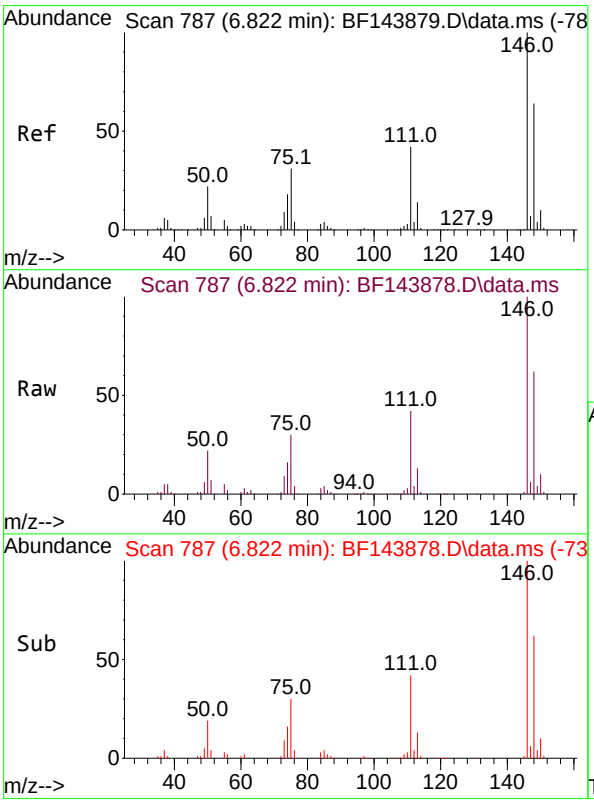
Ion	Ratio	Lower	Upper
93	100		
63	80.9	60.9	100.9
95	31.9	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

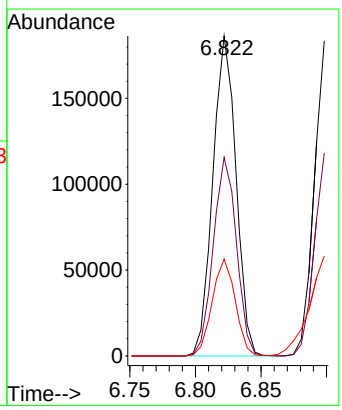
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

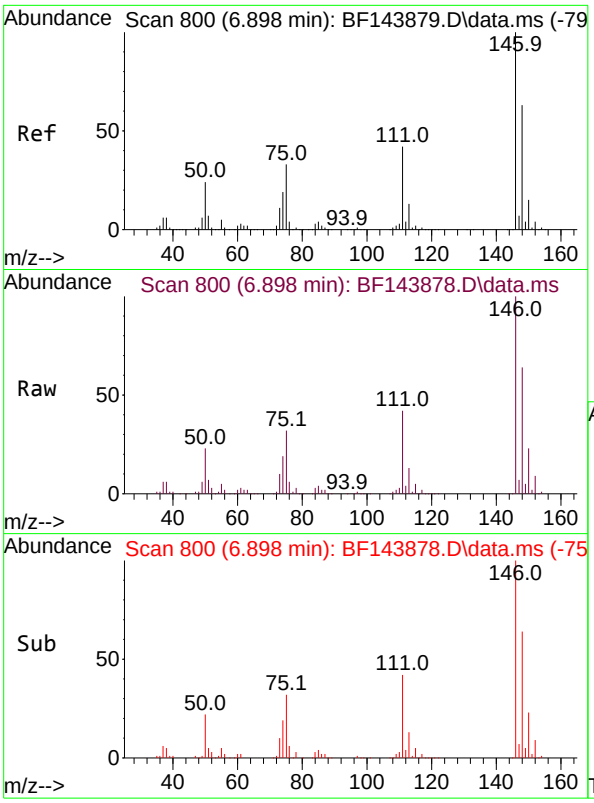


#12
1,3-Dichlorobenzene
Concen: 21.566 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

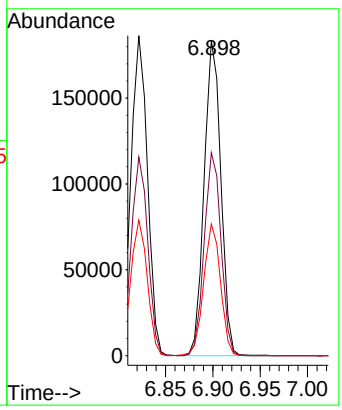




#13
1,4-Dichlorobenzene
Concen: 21.554 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:146 Resp: 22570

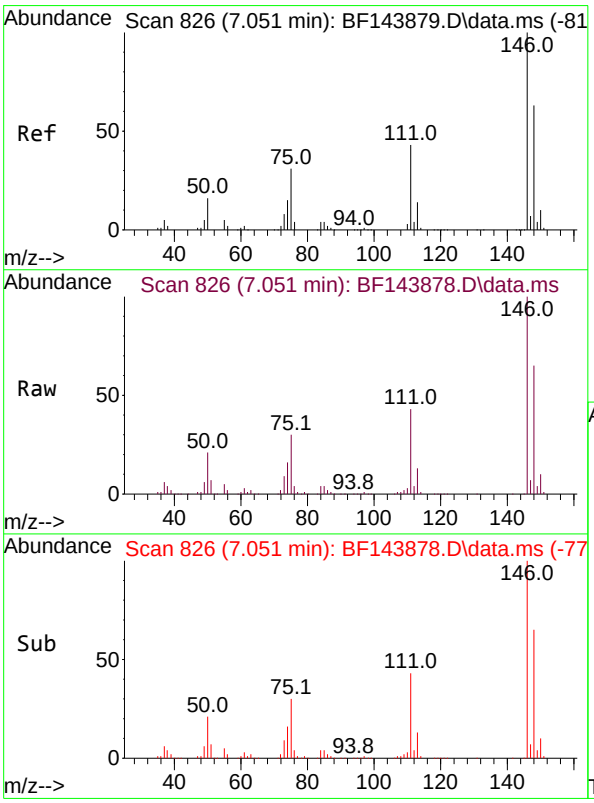
Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.5	75.7
111	41.8	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

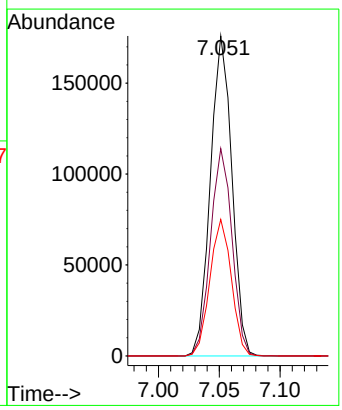
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

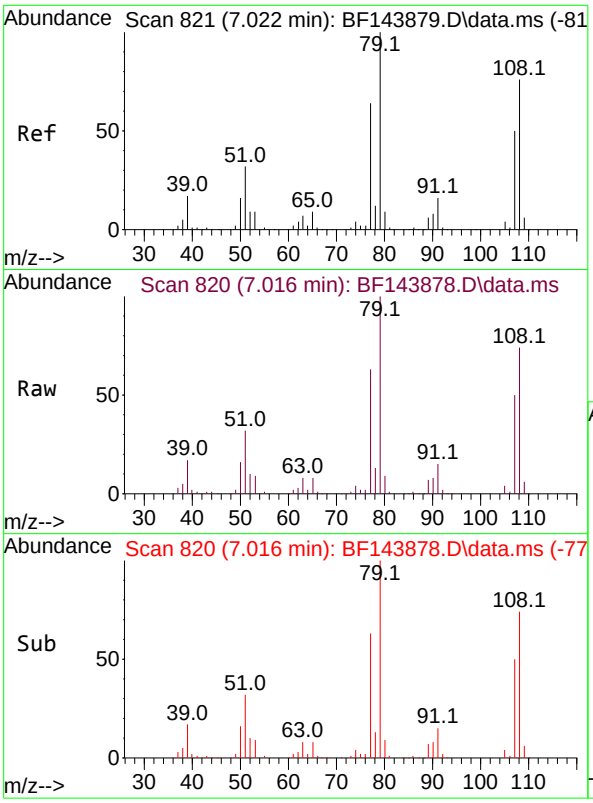


#14
1,2-Dichlorobenzene
Concen: 21.555 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

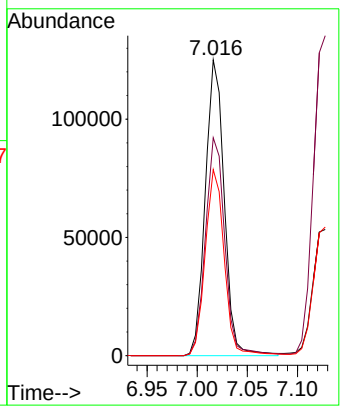




#15
Benzyl Alcohol
Concen: 20.241 ng
RT: 7.016 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 79 Resp: 16400

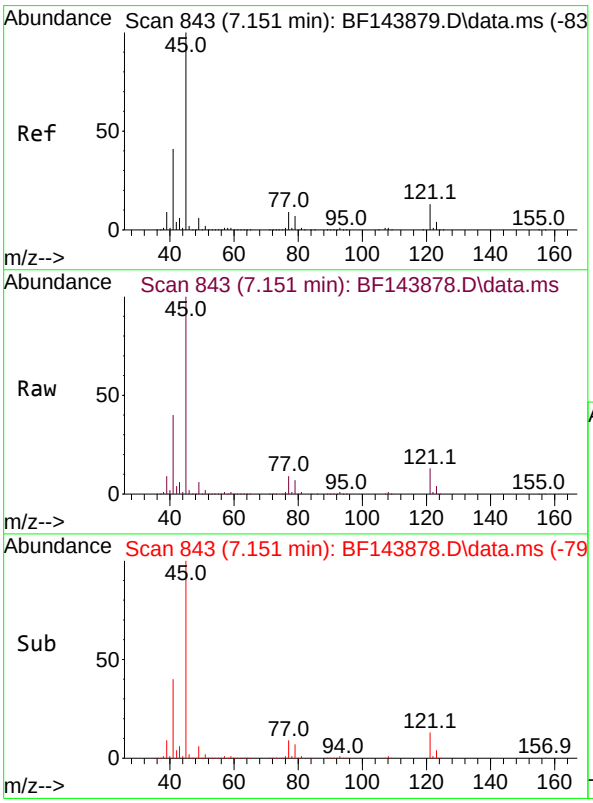
Ion	Ratio	Lower	Upper
79	100		
108	73.6	60.8	91.2
77	62.9	51.0	76.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

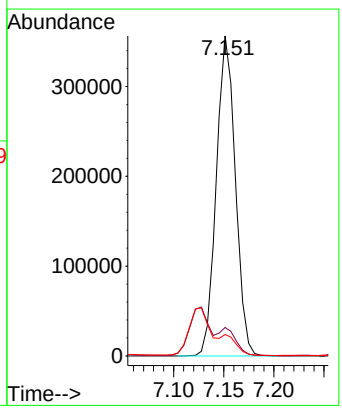
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

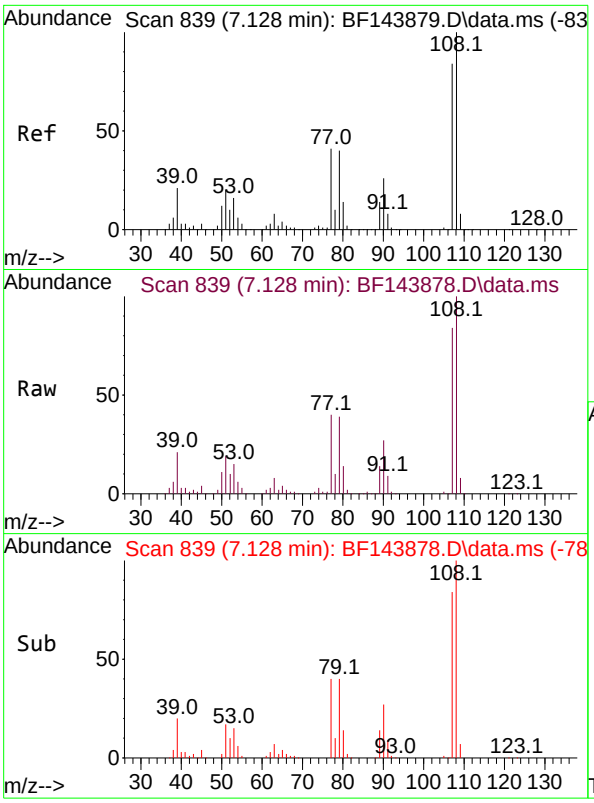


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.745 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

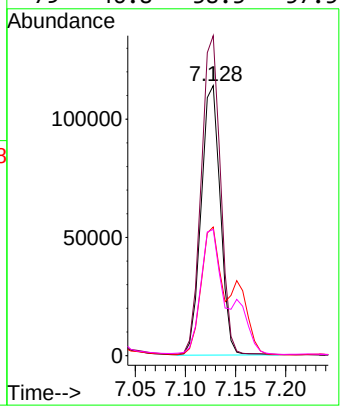




#17
2-Methylphenol
Concen: 20.616 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:107 Resp: 151099

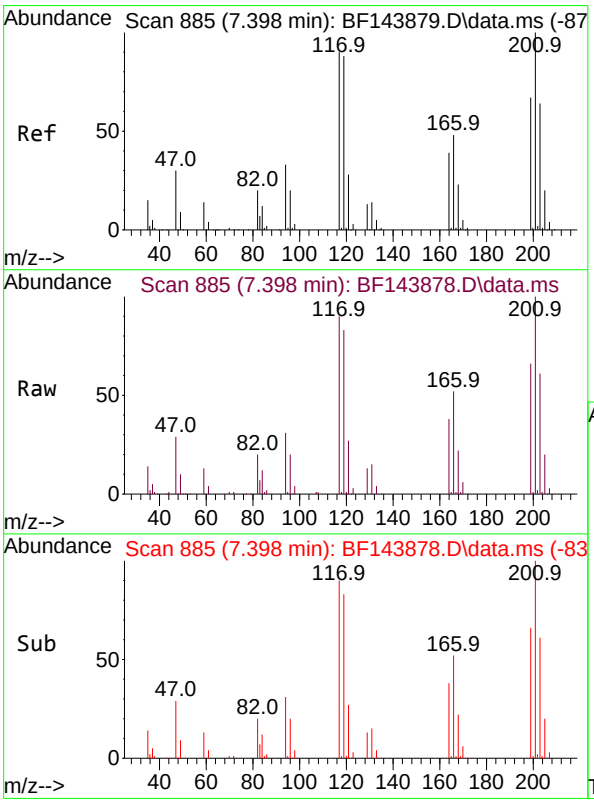
Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	47.6	38.8	58.2
79	46.8	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

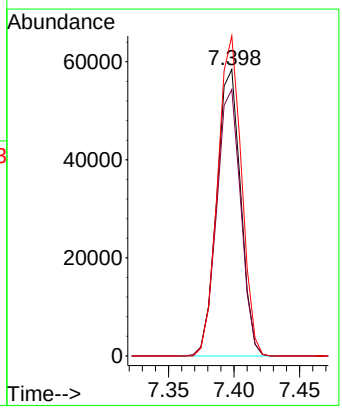
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

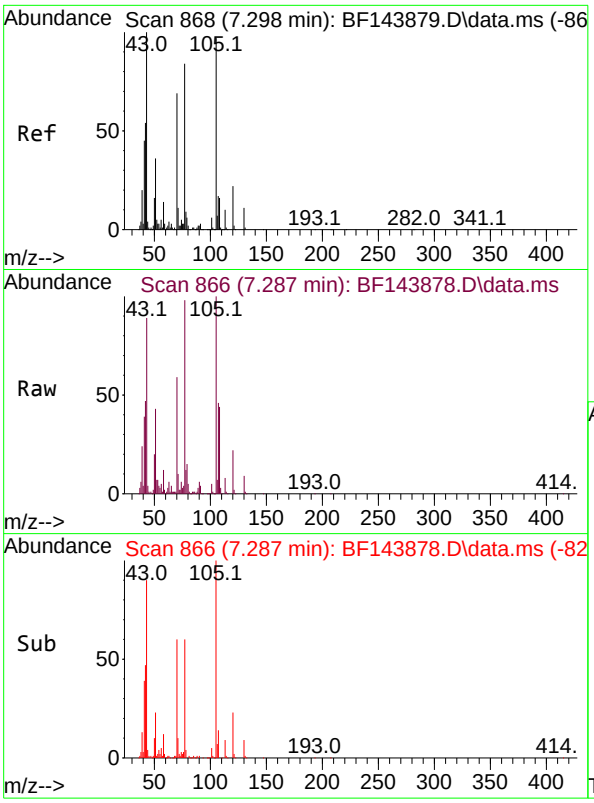


#18
Hexachloroethane
Concen: 21.232 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

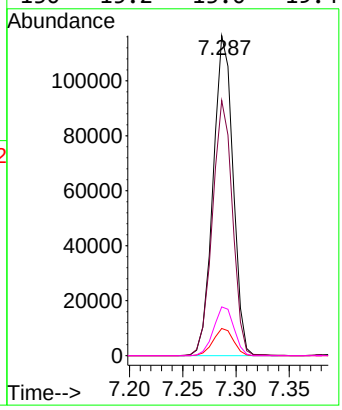




#19
n-Nitroso-di-n-propylamine
Concen: 20.512 ng
RT: 7.287 min Scan# 8
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 70 Resp: 15183

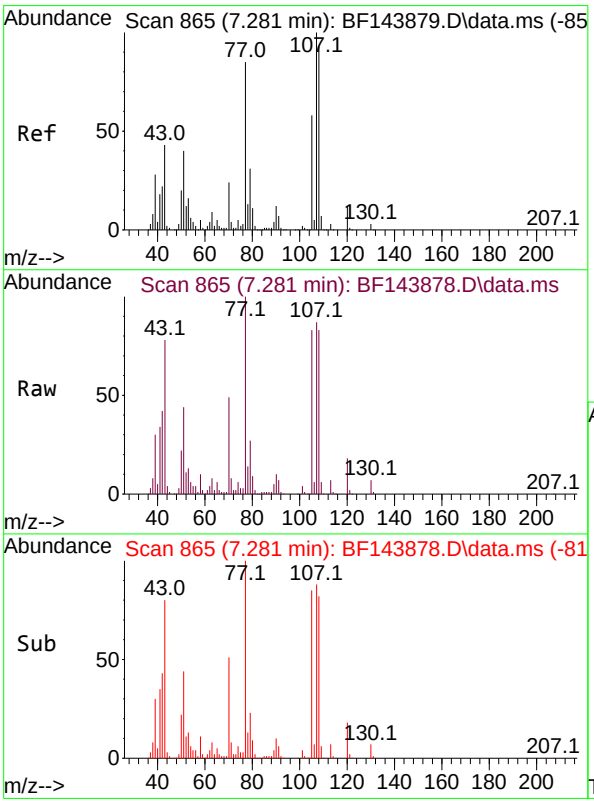
Ion	Ratio	Lower	Upper
70	100		
42	79.7	62.8	94.2
101	8.5	6.7	10.1
130	15.2	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

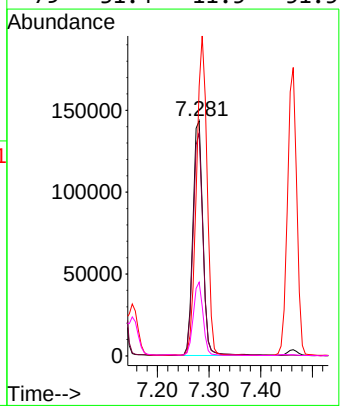
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

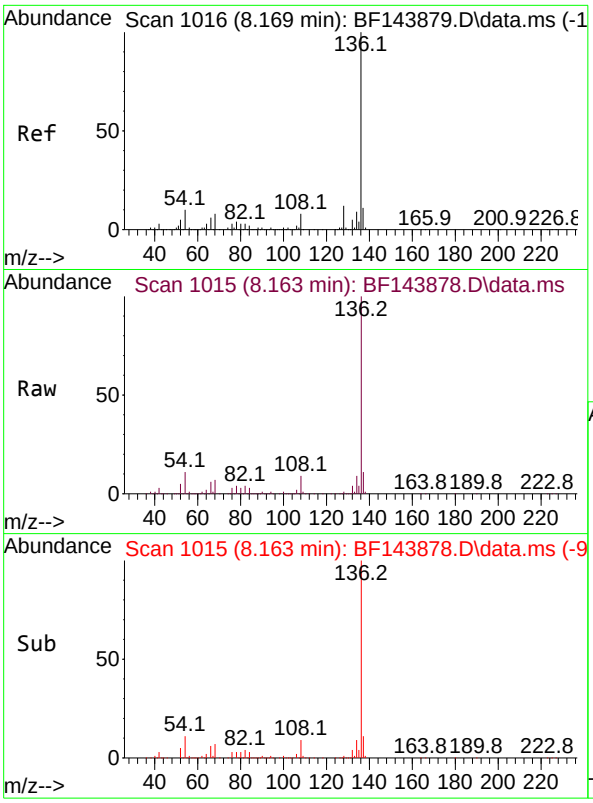


#20
3+4-Methylphenols
Concen: 22.753 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

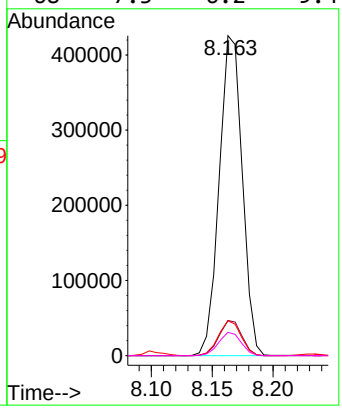




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:136 Resp: 56177

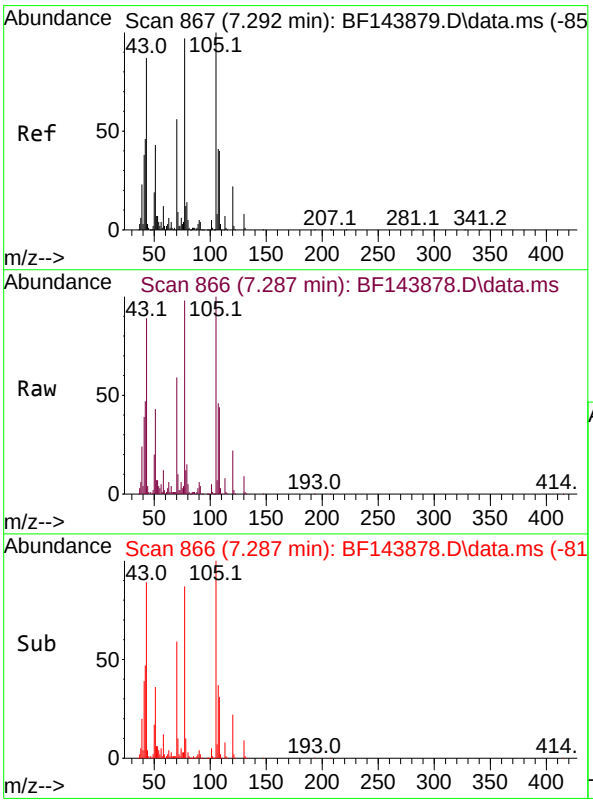
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	10.9	8.2	12.4
68	7.3	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

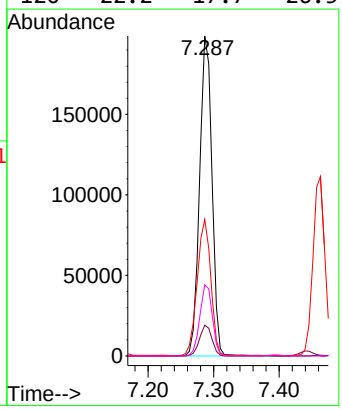
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

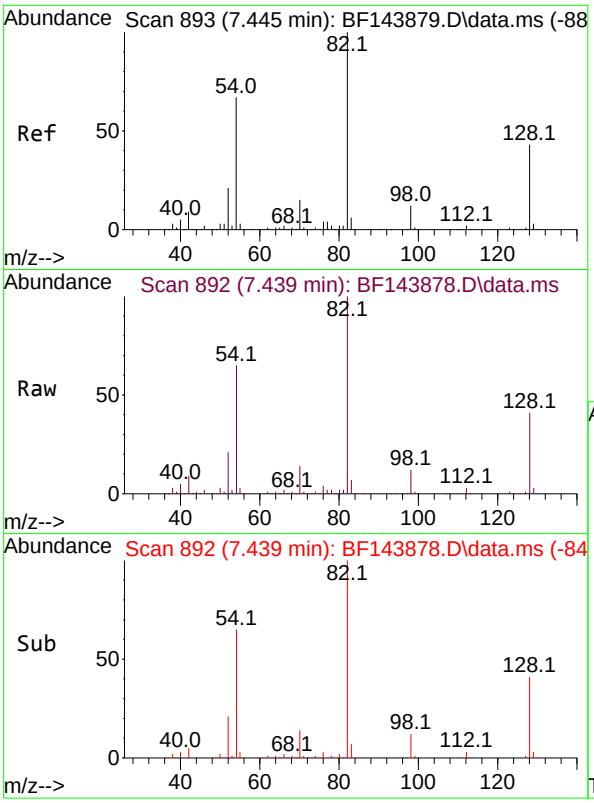


#22
Acetophenone
Concen: 21.837 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

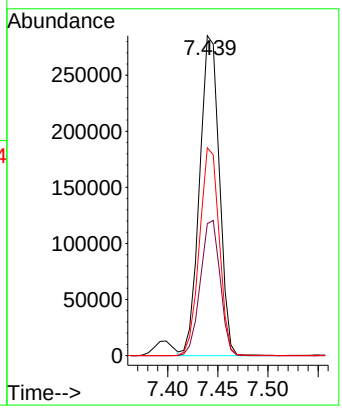




#23
Nitrobenzene-d5
Concen: 42.133 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 82 Resp: 389584

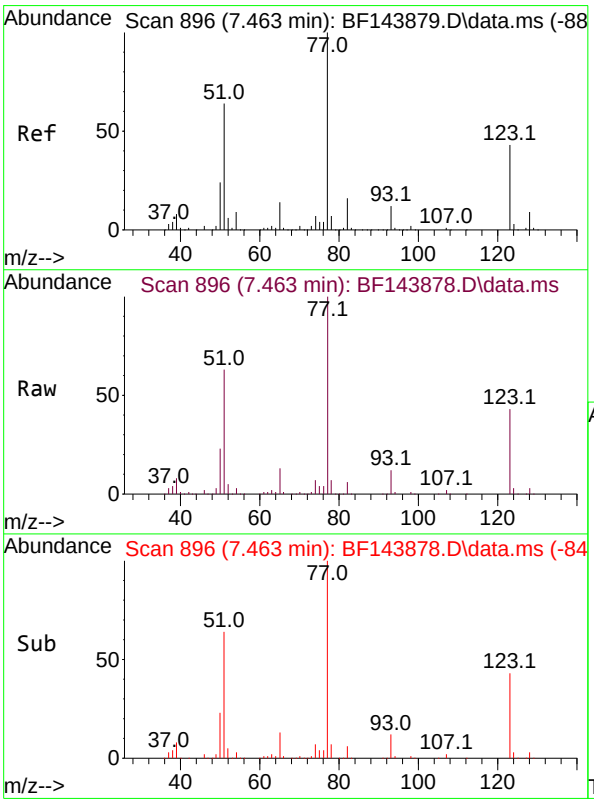
Ion	Ratio	Lower	Upper
82	100		
128	41.2	34.0	51.0
54	64.9	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

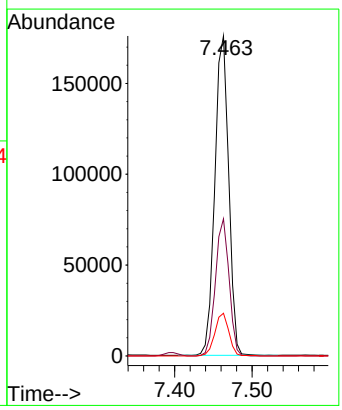
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

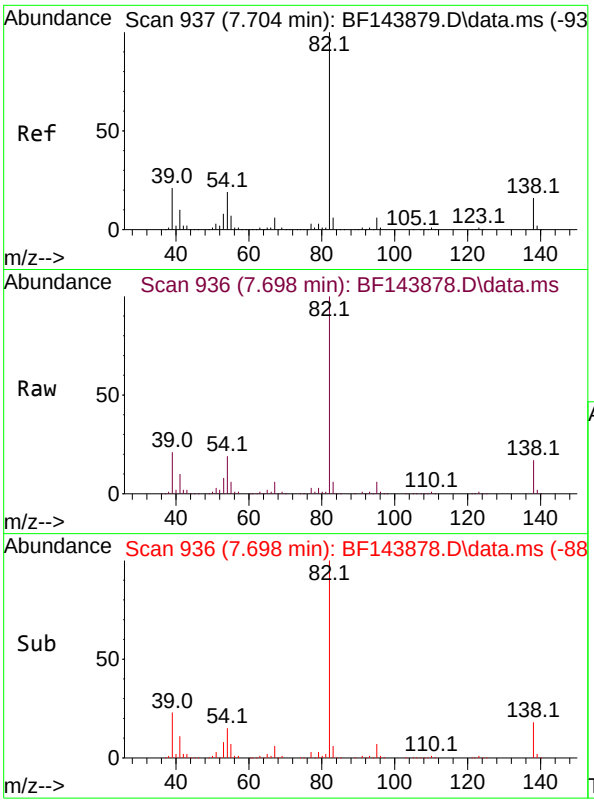


#24
Nitrobenzene
Concen: 21.279 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

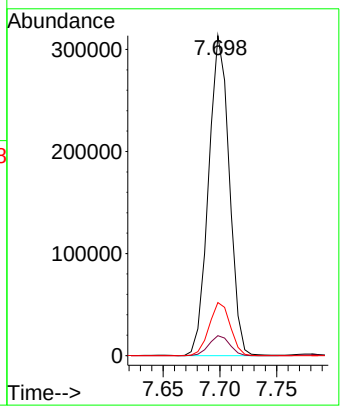




#25
Isophorone
Concen: 20.393 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 82 Resp: 39760

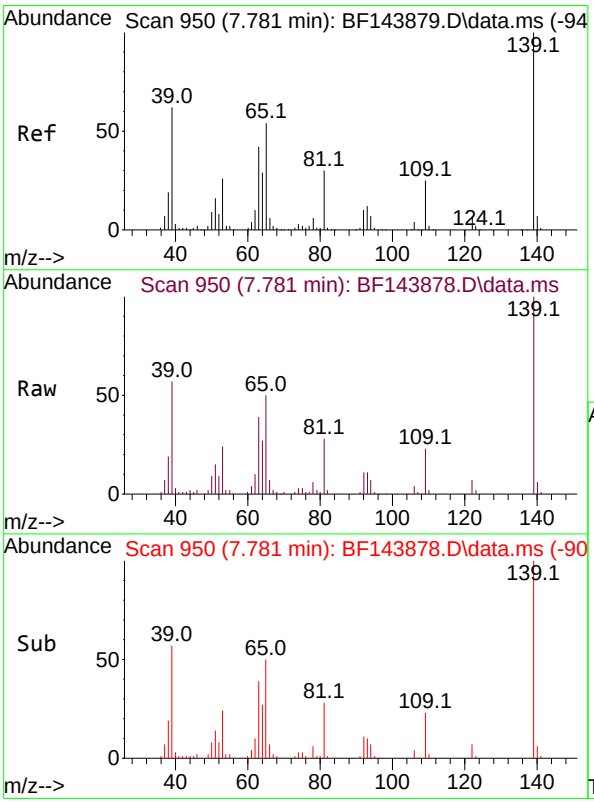
Ion	Ratio	Lower	Upper
82	100		
95	6.2	5.1	7.7
138	16.6	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

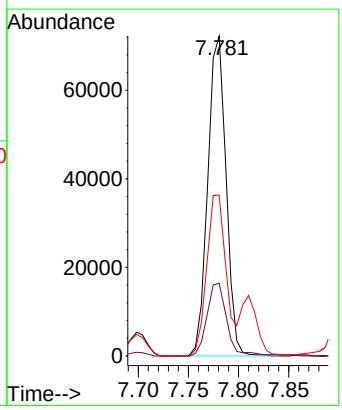
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

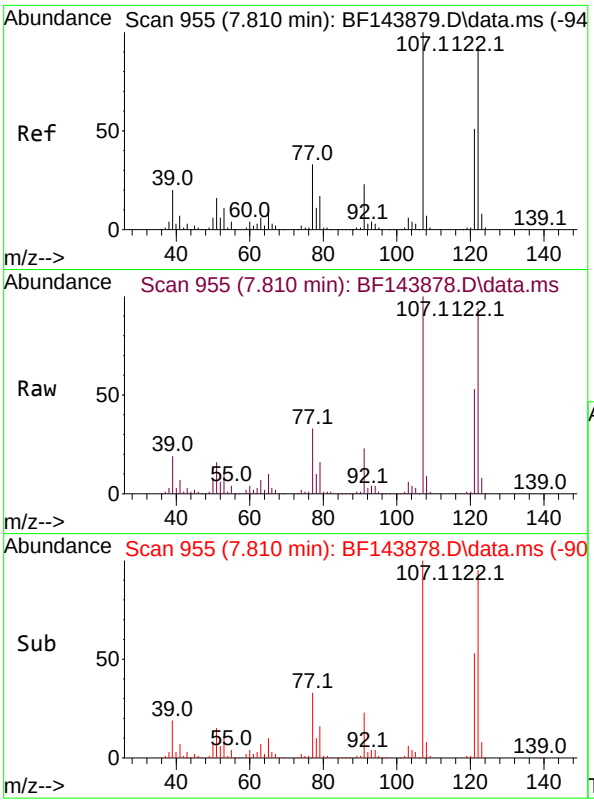


#26
2-Nitrophenol
Concen: 20.747 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

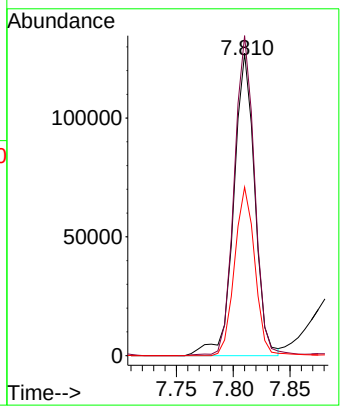




#27
2,4-Dimethylphenol
Concen: 20.682 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:122 Resp: 16378

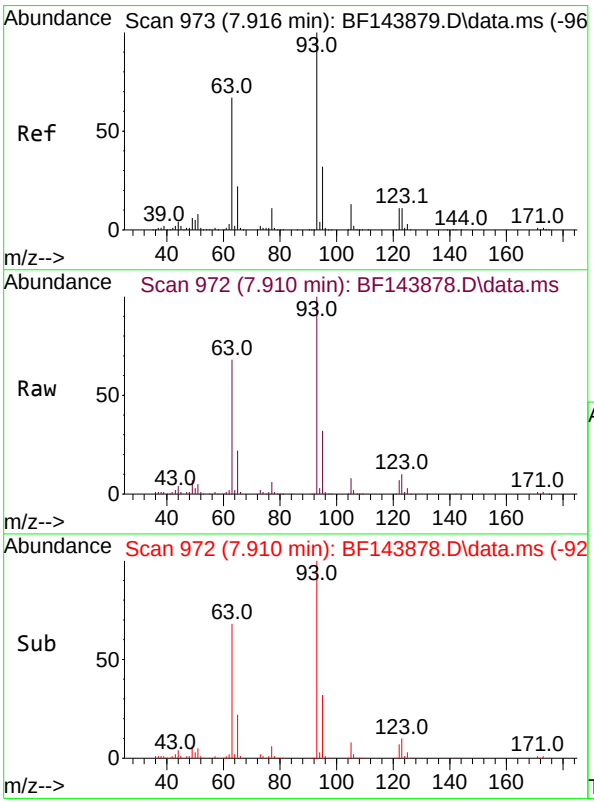
Ion	Ratio	Lower	Upper
122	100		
107	105.9	86.1	129.1
121	55.8	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

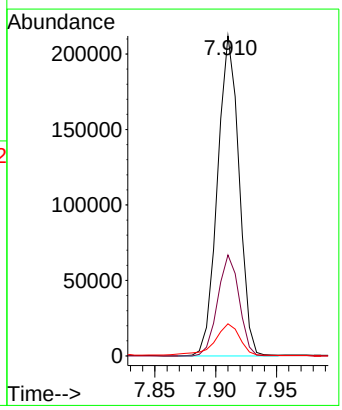
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

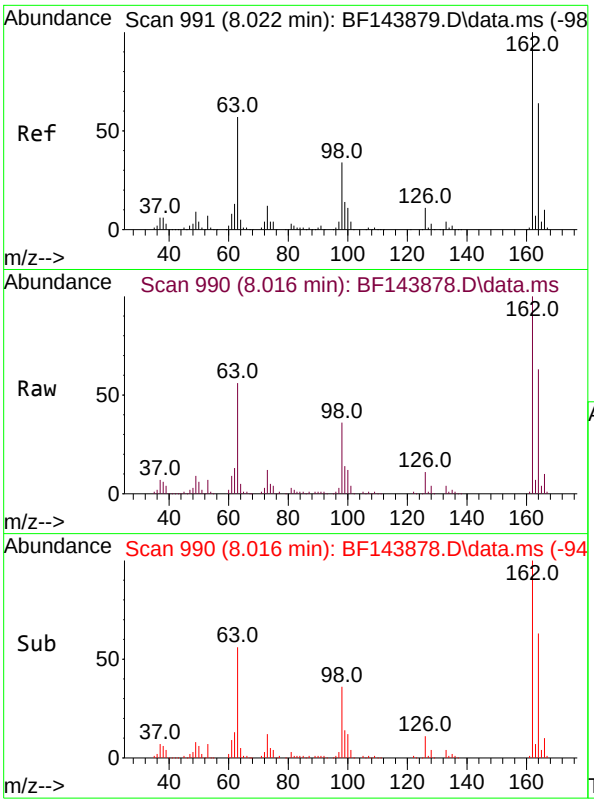


#28
bis(2-Chloroethoxy)methane
Concen: 21.131 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

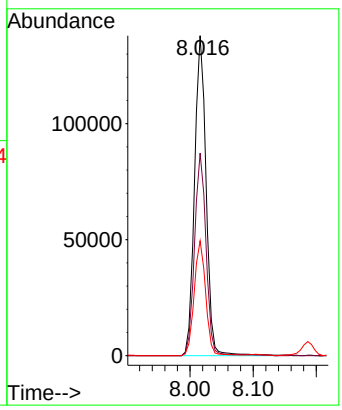




#29
2,4-Dichlorophenol
Concen: 21.328 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:162 Resp: 17593

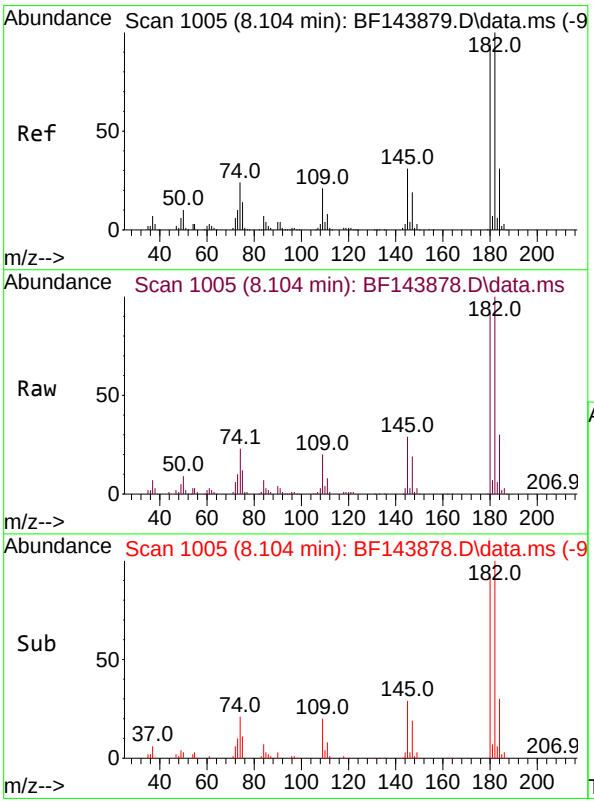
Ion	Ratio	Lower	Upper
162	100		
164	63.3	43.9	83.9
98	35.9	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

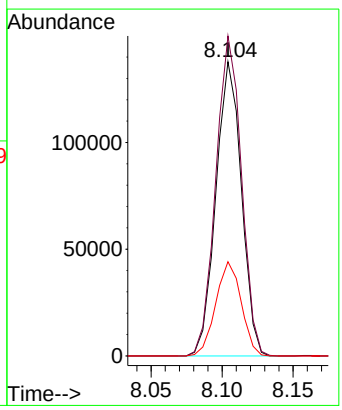
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

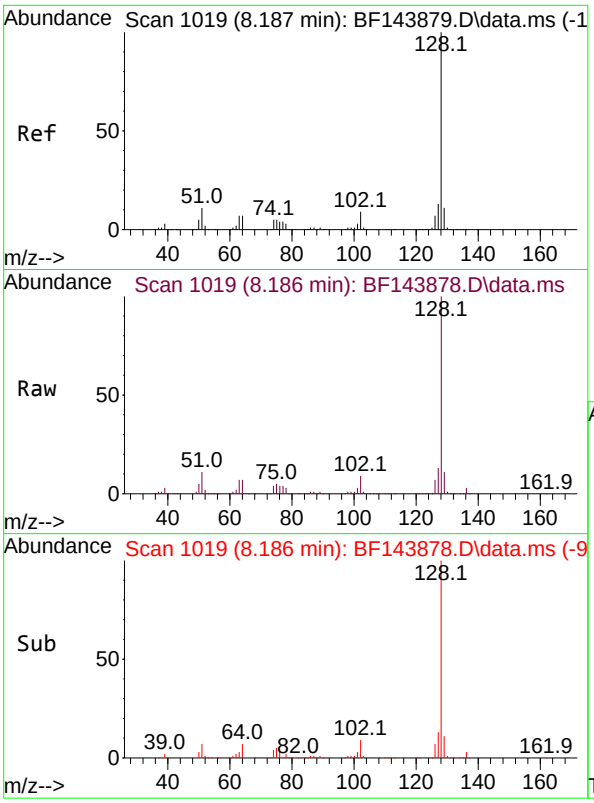


#30
1,2,4-Trichlorobenzene
Concen: 21.234 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

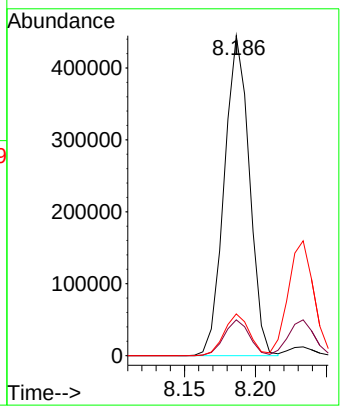




#31
Naphthalene
Concen: 21.365 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:128 Resp: 545971

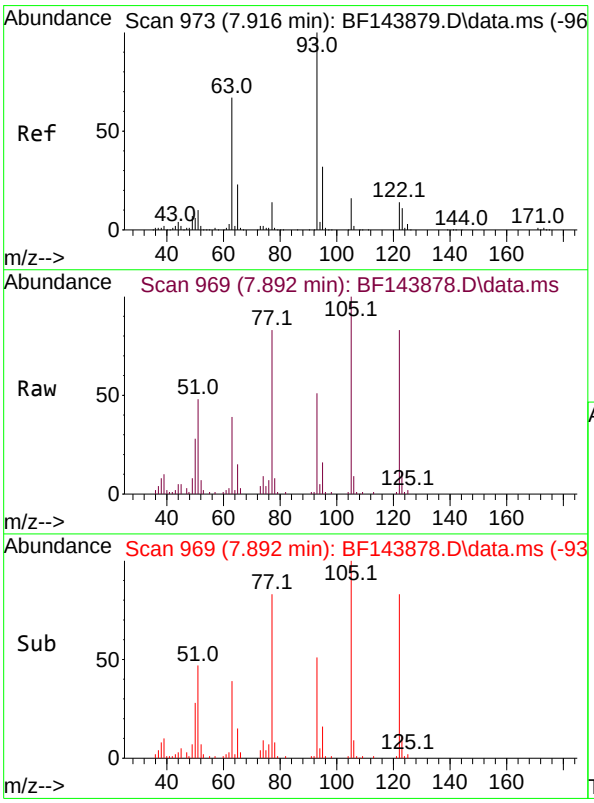
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.1	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

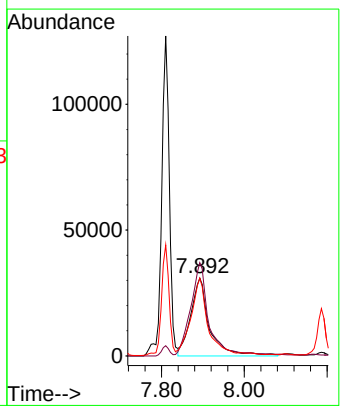
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

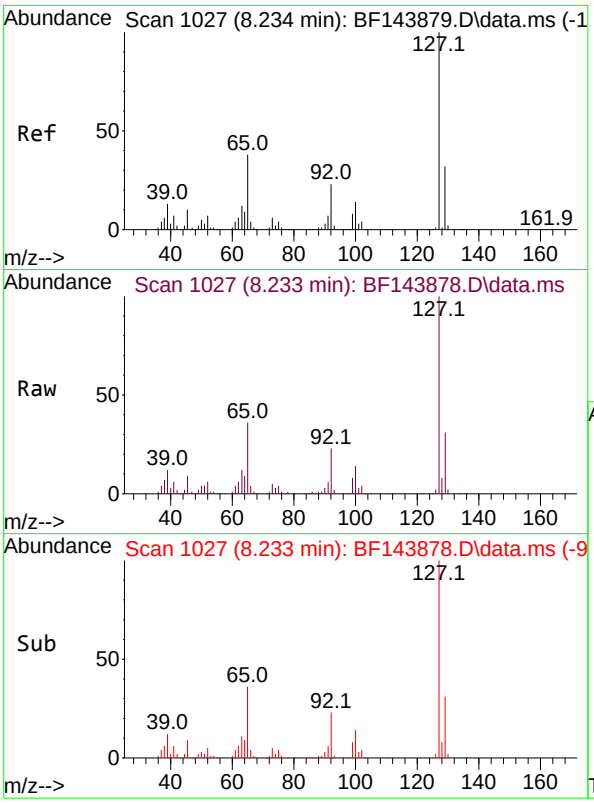


#32
Benzoic acid
Concen: 17.912 ng m
RT: 7.892 min Scan# 969
Delta R.T. -0.071 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

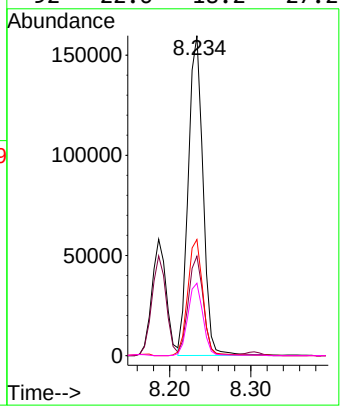




#33
4-Chloroaniline
Concen: 20.924 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:127 Resp: 20054

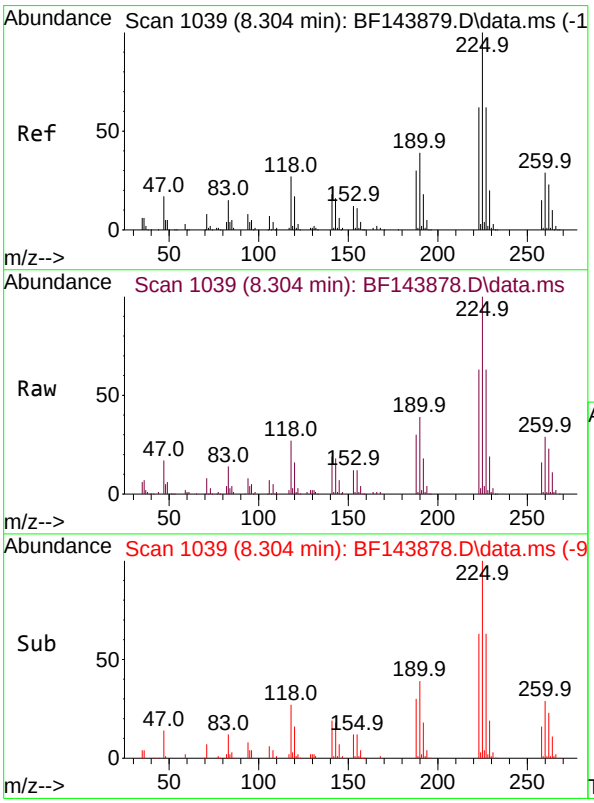
Ion	Ratio	Lower	Upper
127	100		
129	31.1	25.8	38.8
65	36.3	30.0	45.0
92	22.6	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

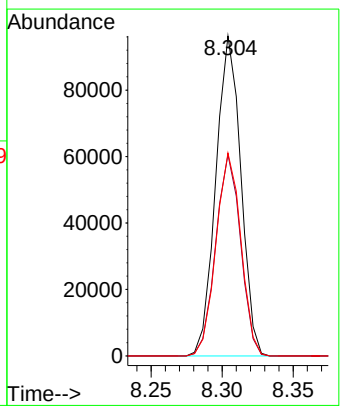
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

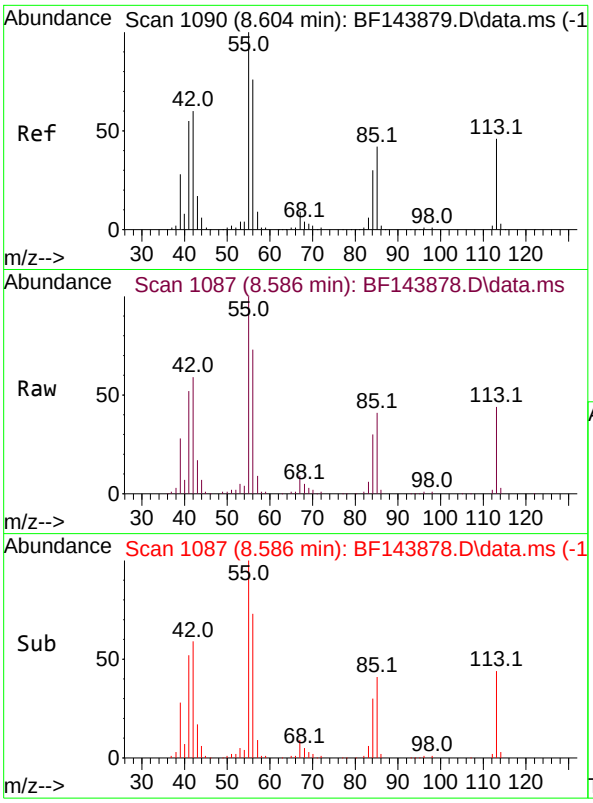


#34
Hexachlorobutadiene
Concen: 20.941 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

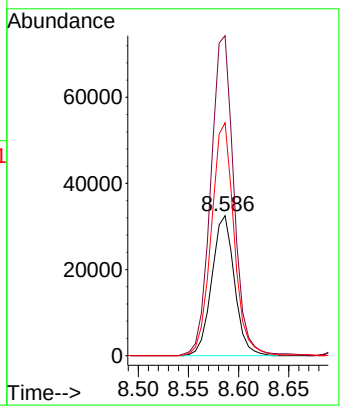
Tgt Ion:113 Resp: 5115

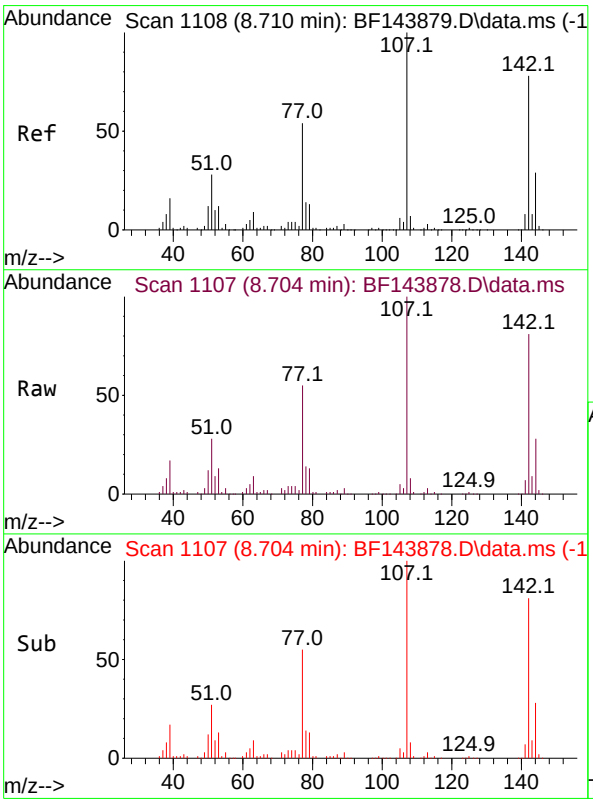
Ion	Ratio	Lower	Upper
113	100		
55	228.6	199.6	239.6
56	166.4	146.0	186.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

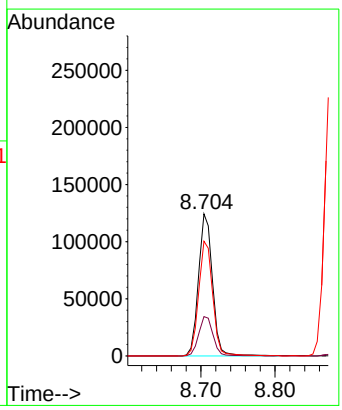


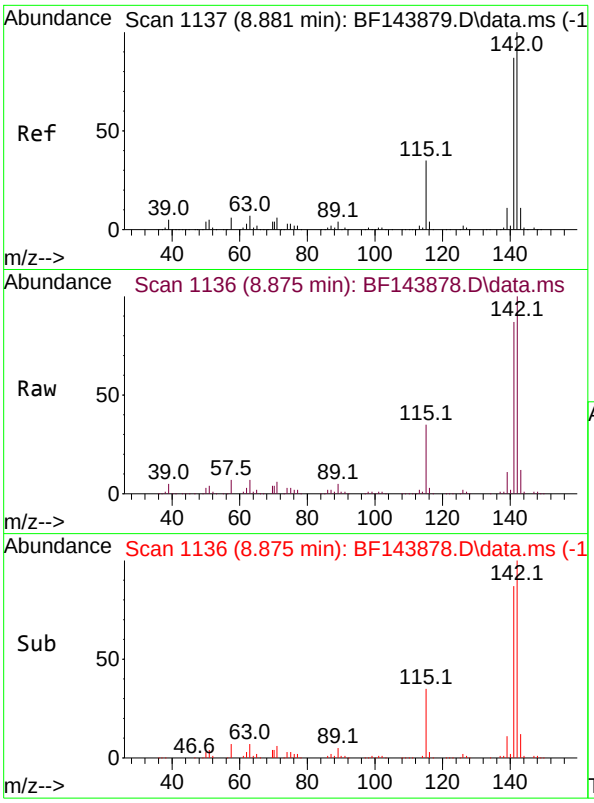


#36
4-Chloro-3-methylphenol
Concen: 20.524 ng
RT: 8.704 min Scan# 1107
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

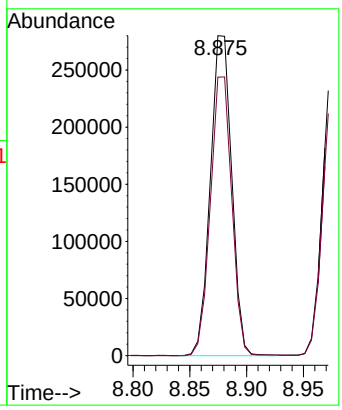




#37
2-Methylnaphthalene
Concen: 21.583 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:142 Resp: 36740

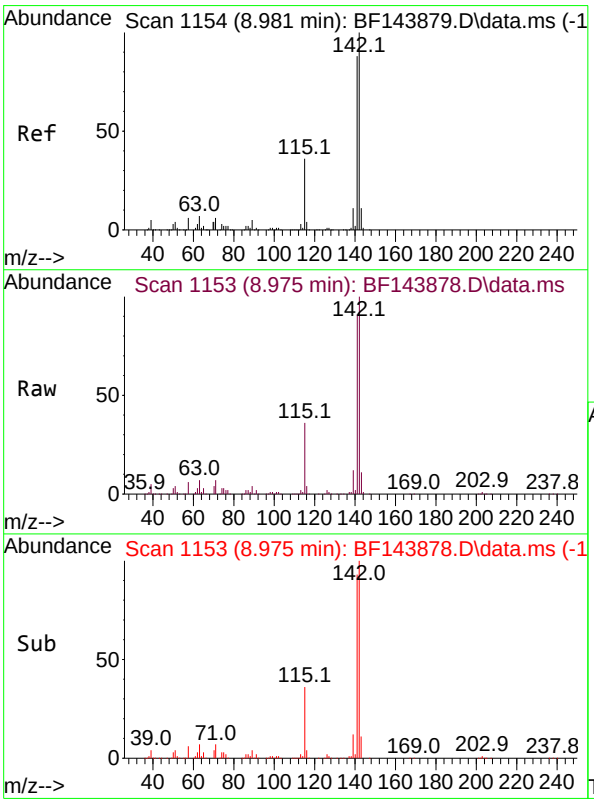
Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

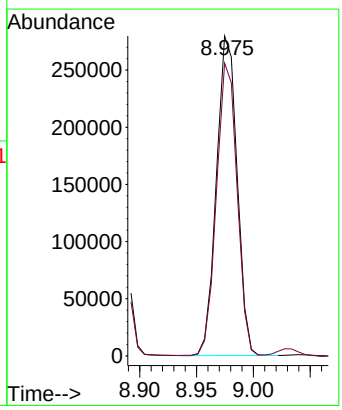
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

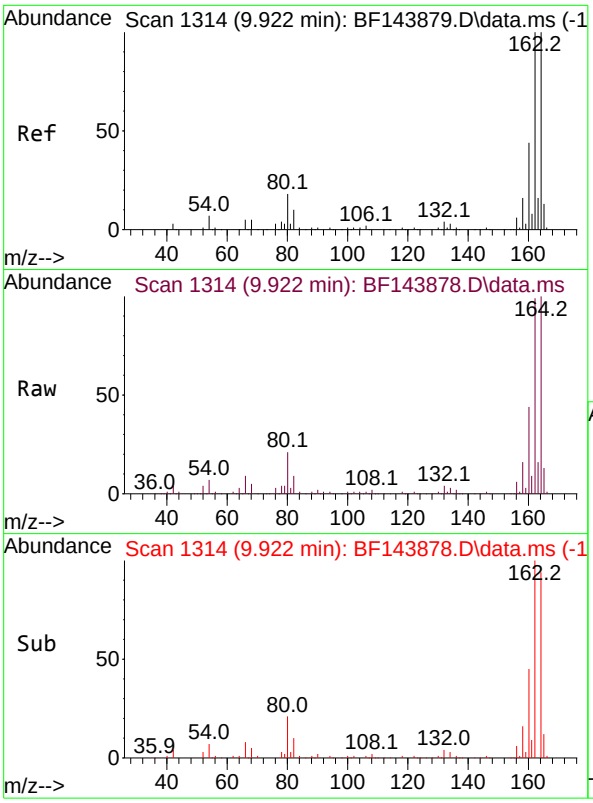


#38
1-Methylnaphthalene
Concen: 21.407 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:142 Resp: 353459

Ion	Ratio	Lower	Upper
142	100		
141	91.5	70.8	106.2

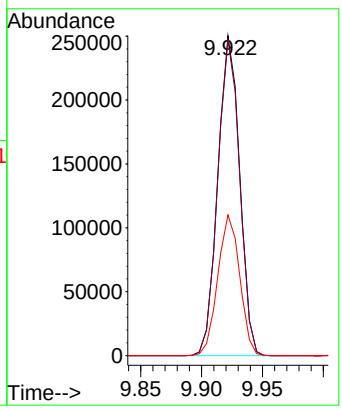




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:164 Resp: 31129

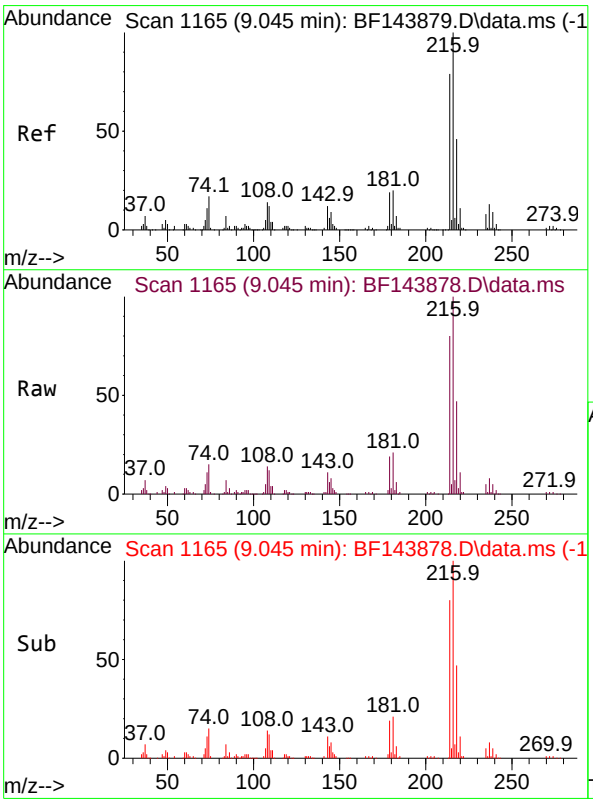
Ion	Ratio	Lower	Upper
164	100		
162	98.6	80.2	120.2
160	43.9	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

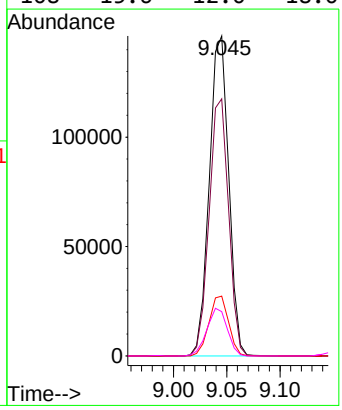
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

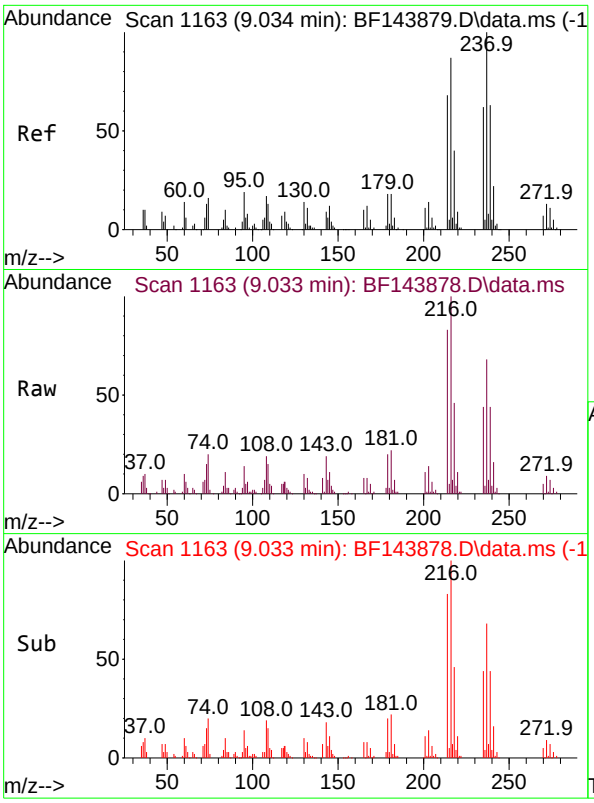


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.523 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

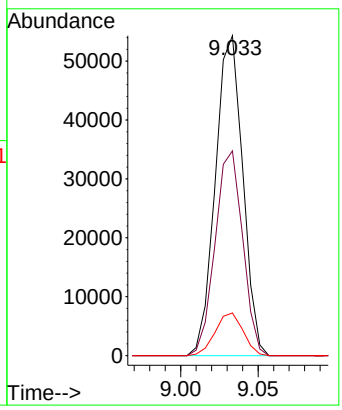
Tgt Ion:237 Resp: 6712

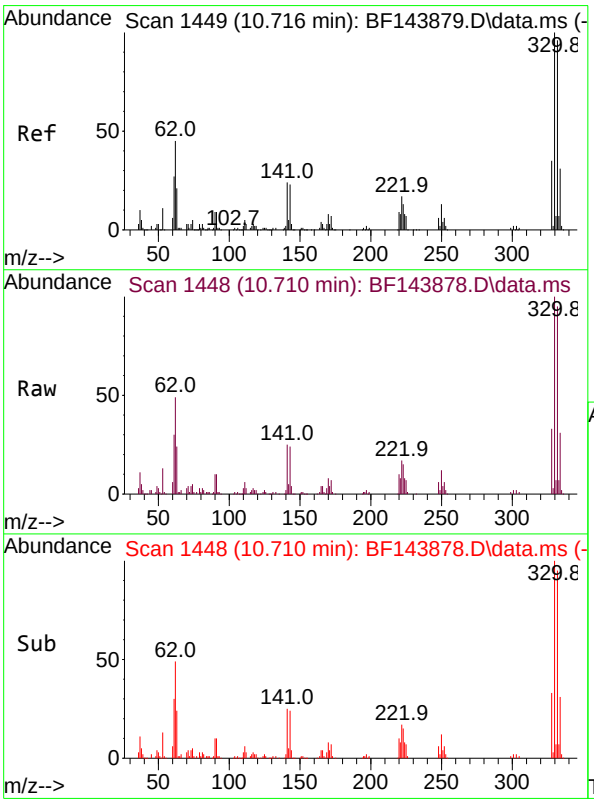
Ion	Ratio	Lower	Upper
237	100		
235	64.0	42.3	82.3
272	13.4	0.0	33.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

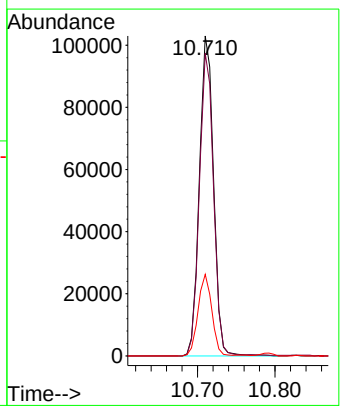


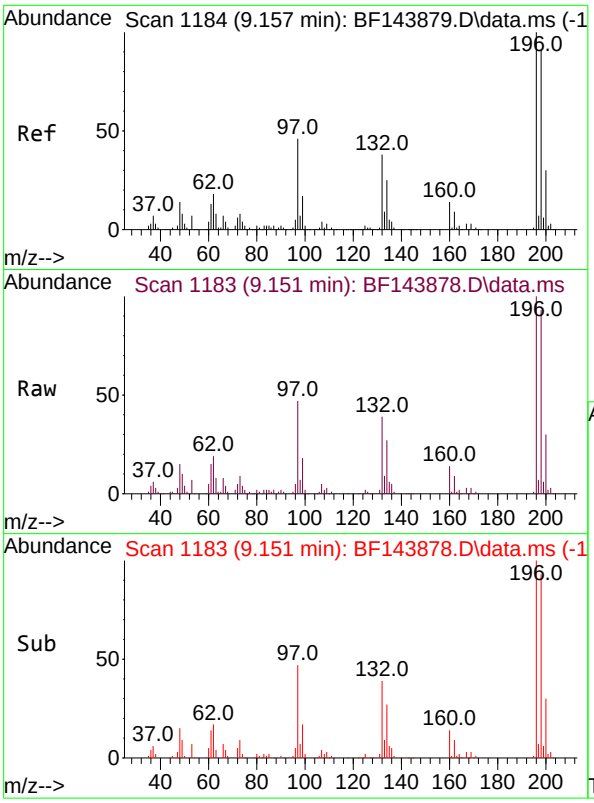


#42
2,4,6-Tribromophenol
Concen: 42.114 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

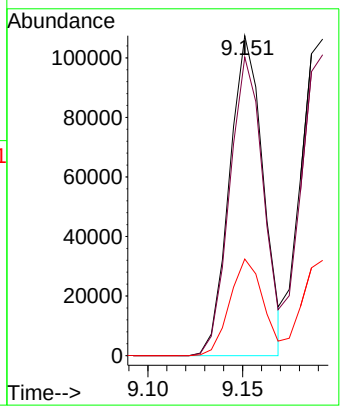




#43
2,4,6-Trichlorophenol
Concen: 21.116 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:196 Resp: 13274

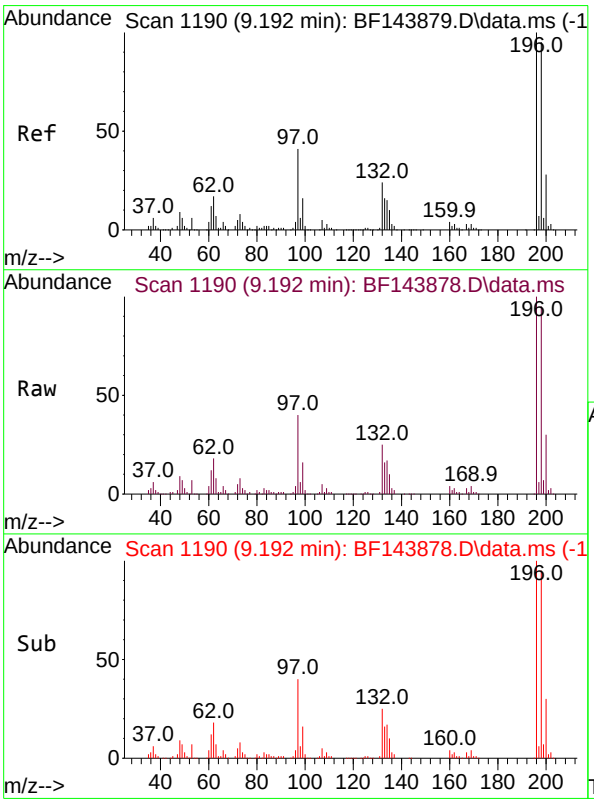
Ion	Ratio	Lower	Upper
196	100		
198	93.3	72.8	109.2
200	30.2	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

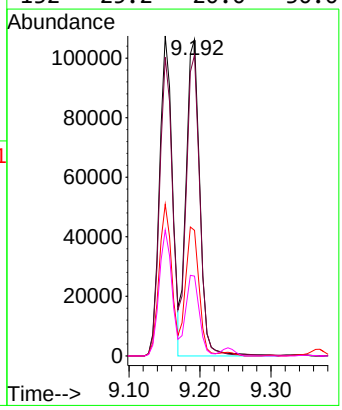
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

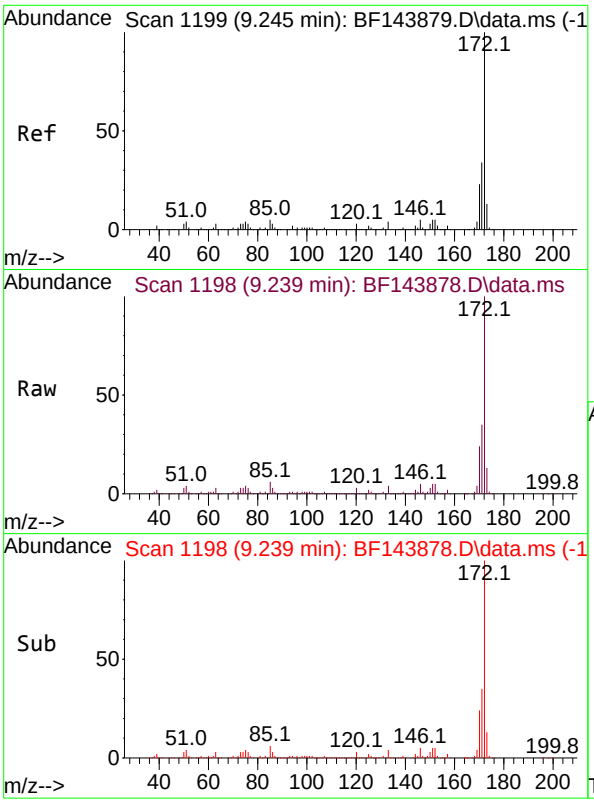


#44
2,4,5-Trichlorophenol
Concen: 21.532 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

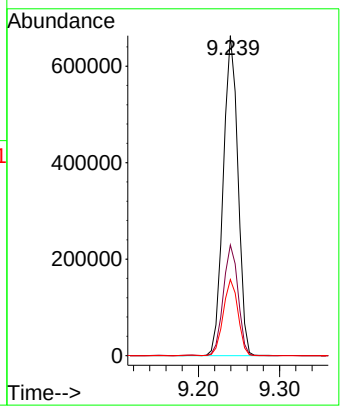




#45
2-Fluorobiphenyl
Concen: 42.367 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:172 Resp: 83118

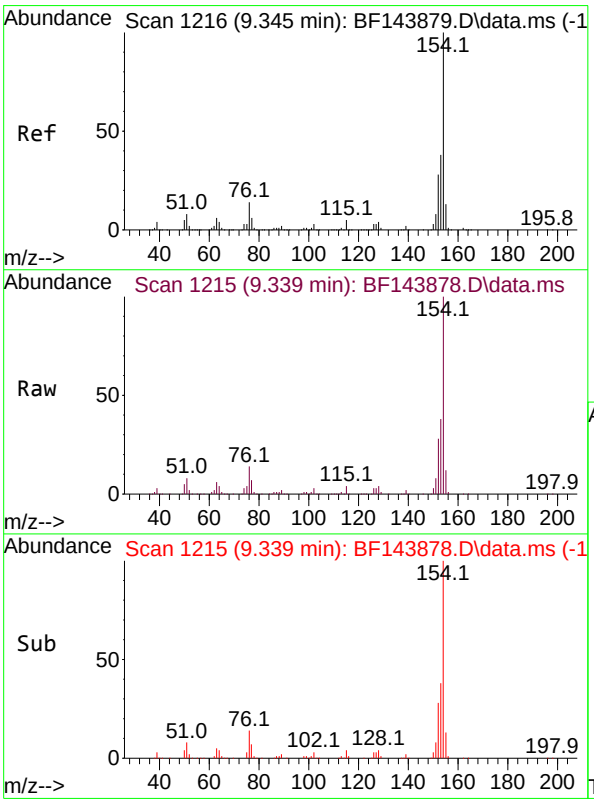
Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.0
170	23.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

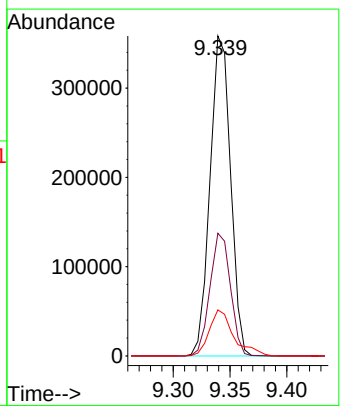
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

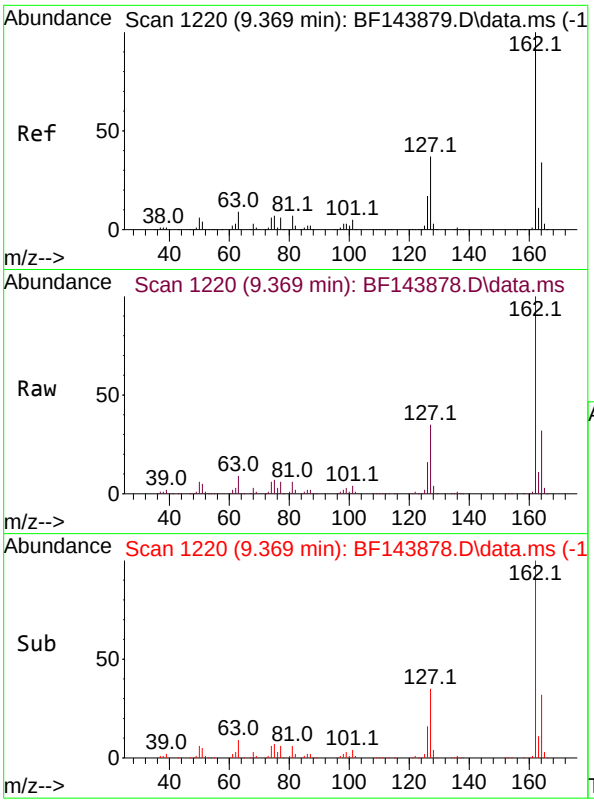


#46
1,1'-Biphenyl
Concen: 21.868 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

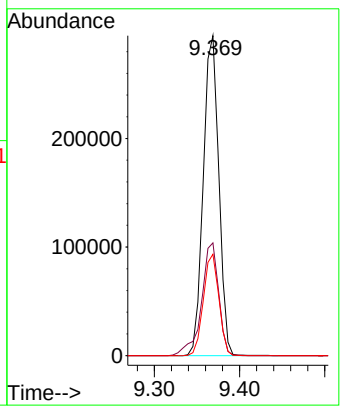




#47
2-Chloronaphthalene
Concen: 21.679 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:162 Resp: 37253

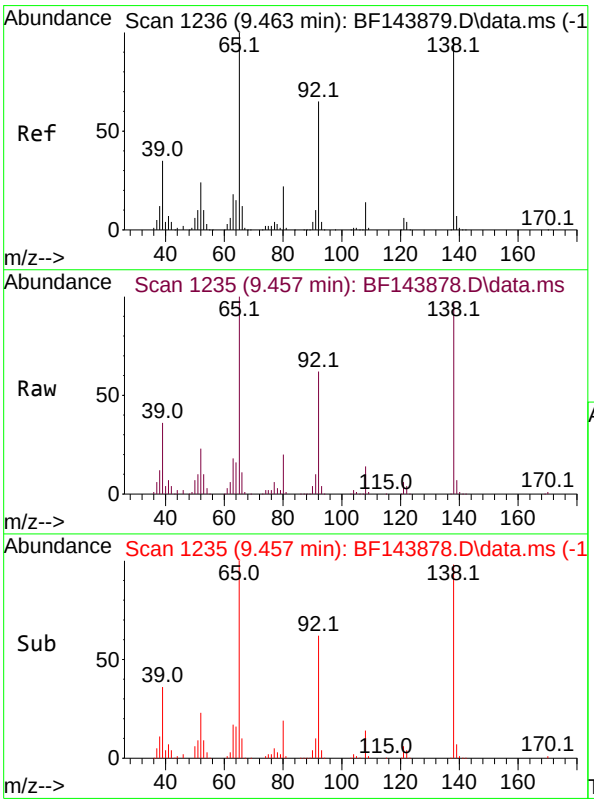
Ion	Ratio	Lower	Upper
162	100		
127	35.2	30.2	45.2
164	31.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

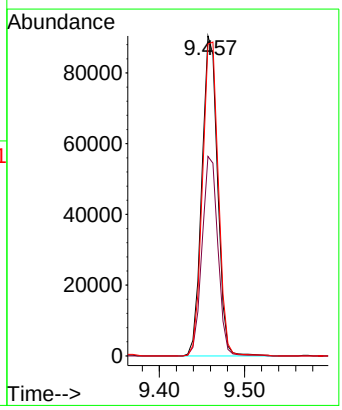
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

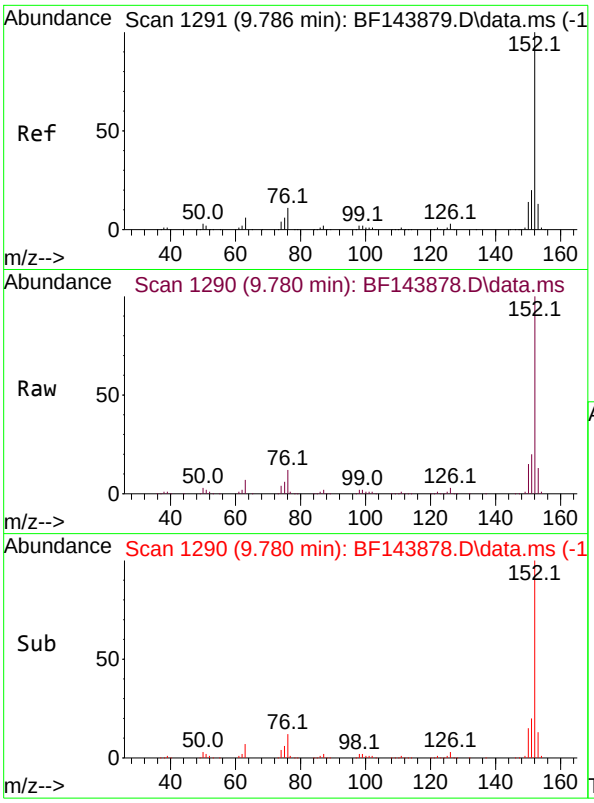


#48
2-Nitroaniline
Concen: 21.263 ng
RT: 9.457 min Scan# 1235
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

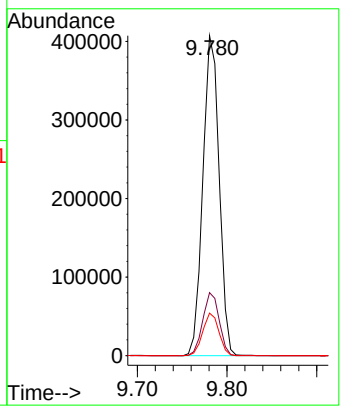




#49
Acenaphthylene
Concen: 21.234 ng
RT: 9.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:152 Resp: 51298

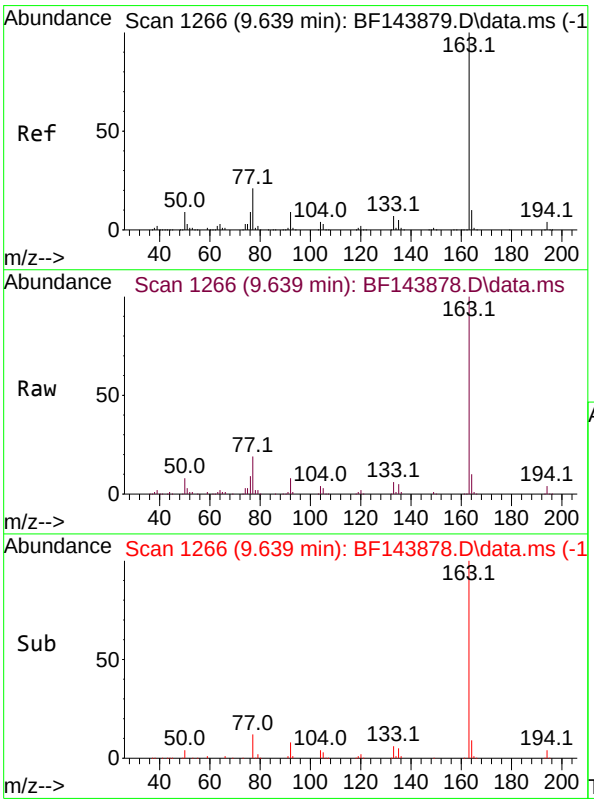
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.3	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

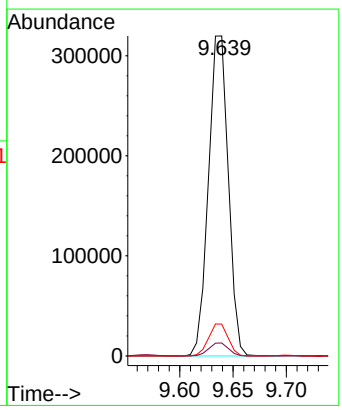
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

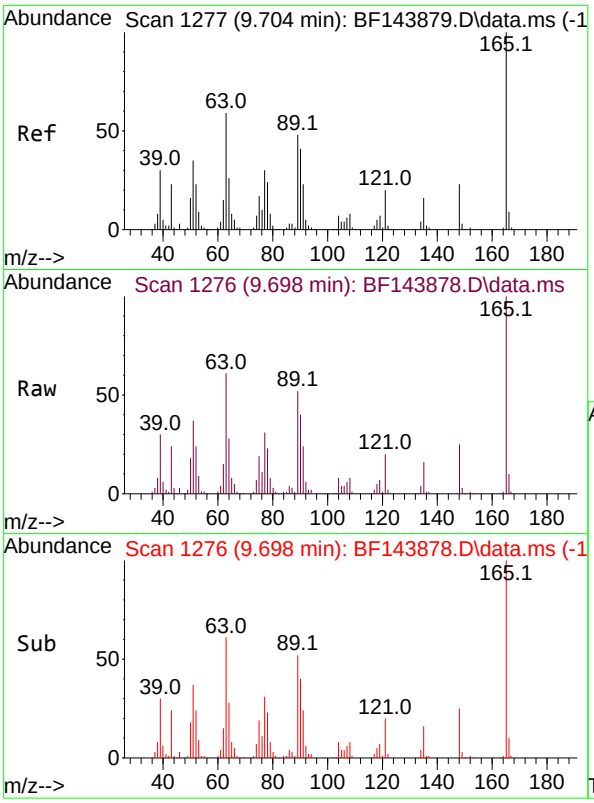


#50
Dimethylphthalate
Concen: 21.011 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

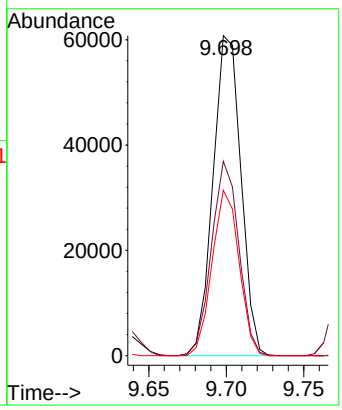




#51
2,6-Dinitrotoluene
Concen: 20.831 ng
RT: 9.698 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:165 Resp: 7636

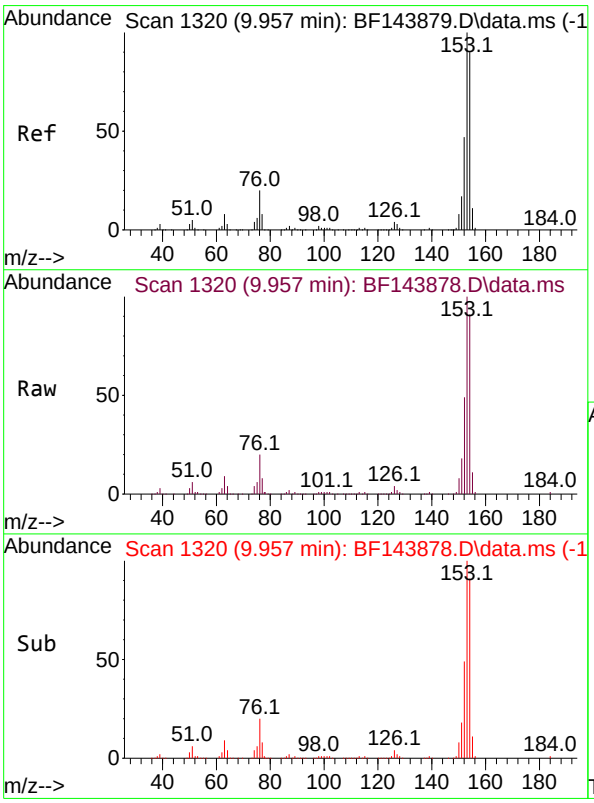
Ion	Ratio	Lower	Upper
165	100		
63	60.7	47.3	70.9
89	51.7	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

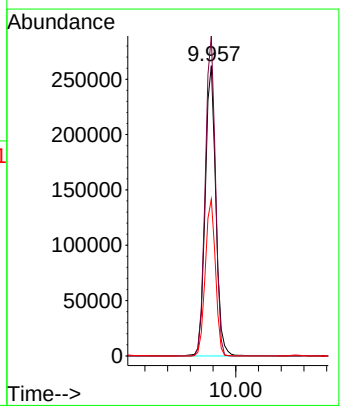
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

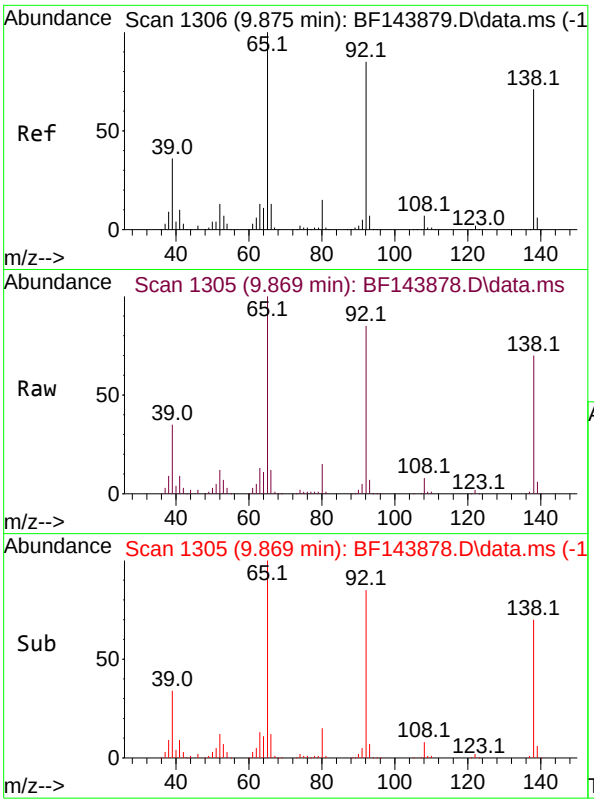


#52
Acenaphthene
Concen: 21.545 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

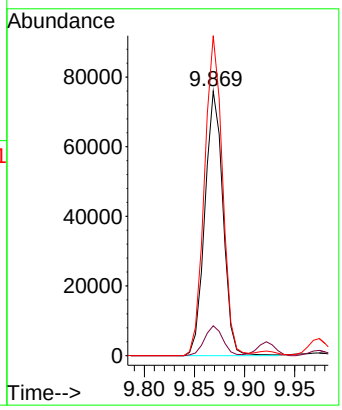




#53
3-Nitroaniline
Concen: 21.194 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:138 Resp: 9512

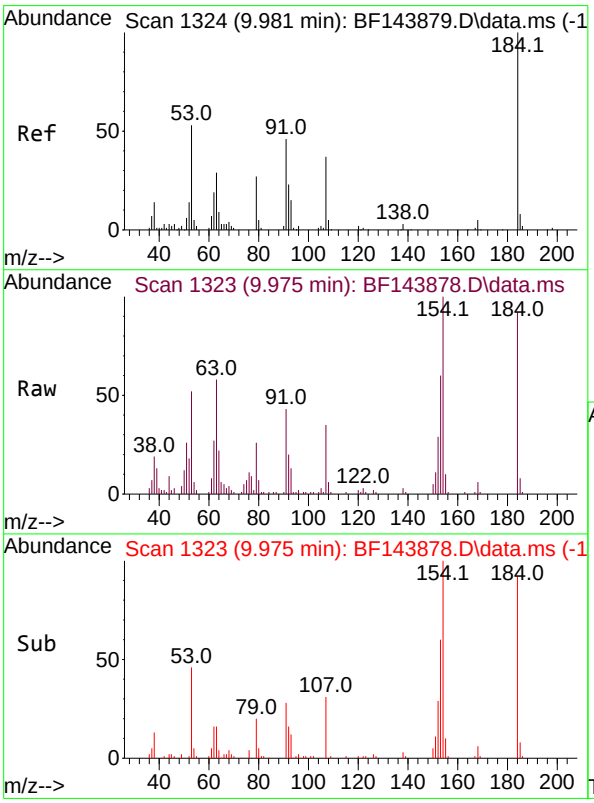
Ion	Ratio	Lower	Upper
138	100		
108	11.3	8.3	12.5
92	121.0	96.2	144.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

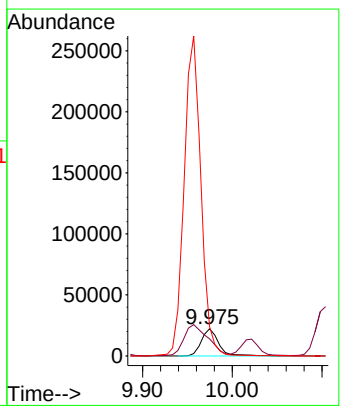
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

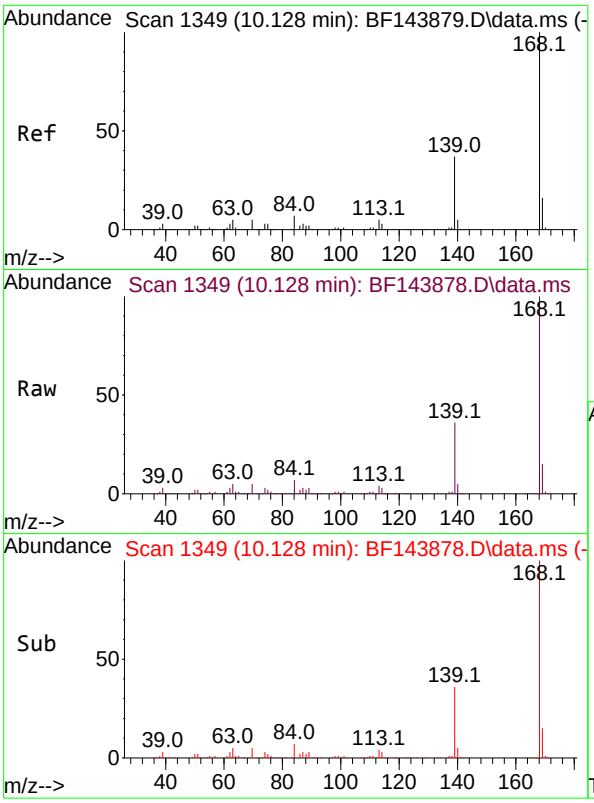


#54
2,4-Dinitrophenol
Concen: 18.734 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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#

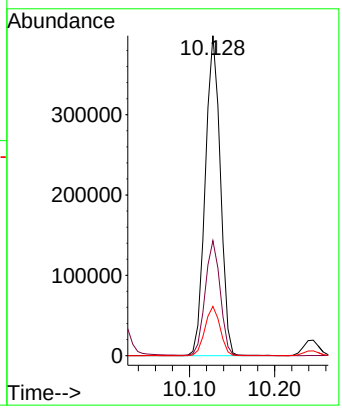




#55
Dibenzofuran
Concen: 21.894 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:168 Resp: 48925

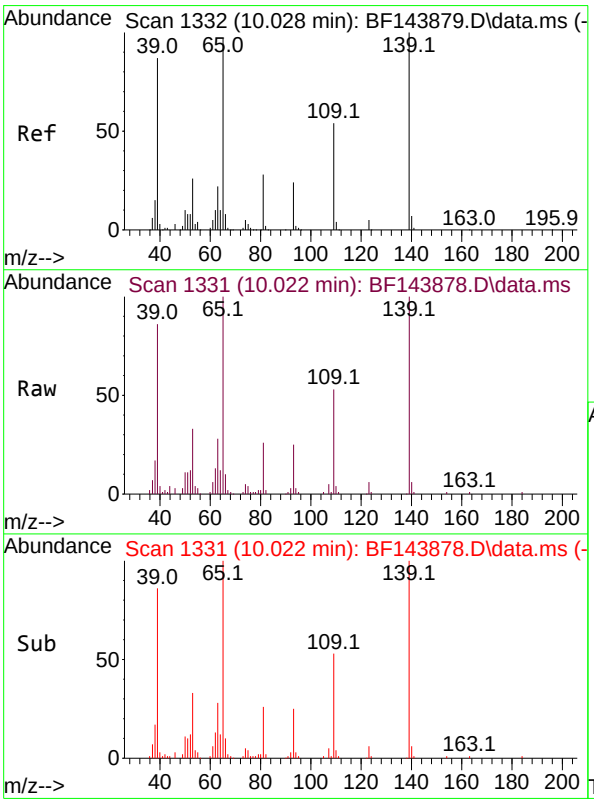
Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.8	44.8
169	15.4	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

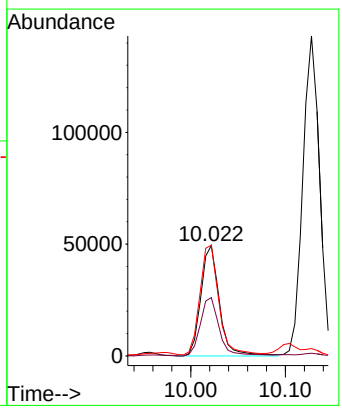
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

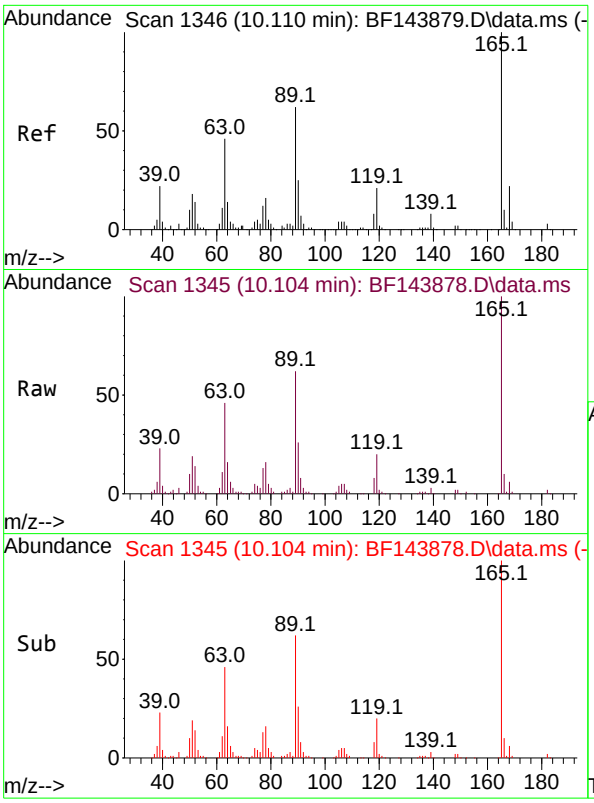


#56
4-Nitrophenol
Concen: 19.694 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.017 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

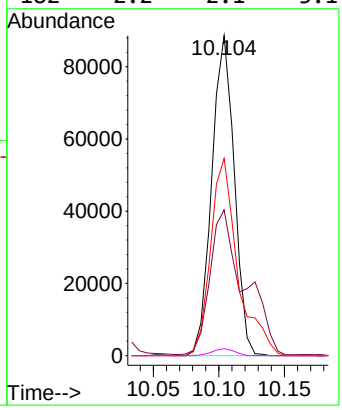




#57
2,4-Dinitrotoluene
Concen: 21.280 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:165 Resp: 10613

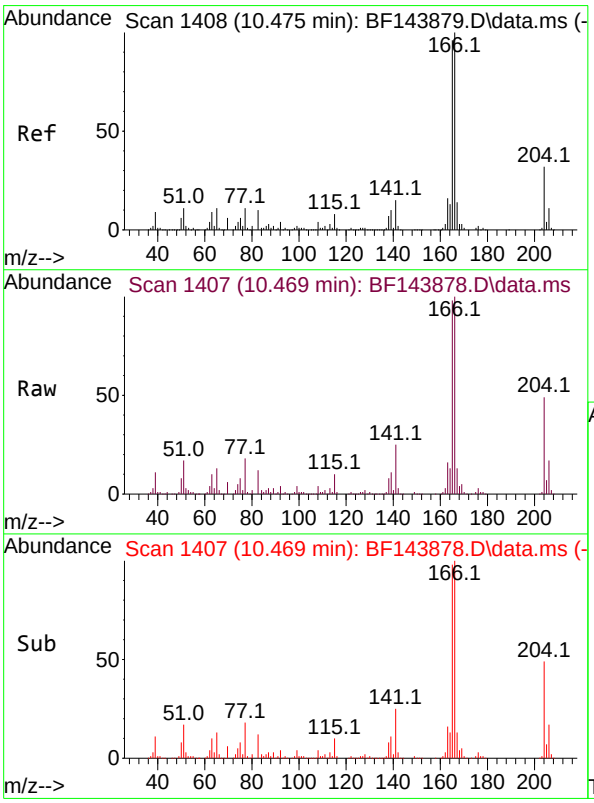
Ion	Ratio	Lower	Upper
165	100		
63	45.5	37.2	55.8
89	61.6	49.4	74.2
182	2.2	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

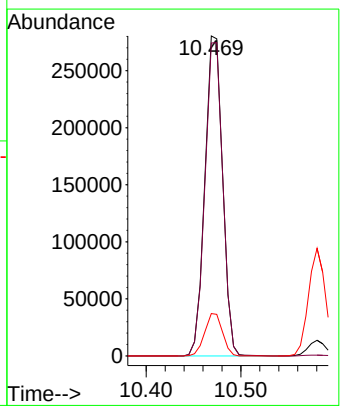
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

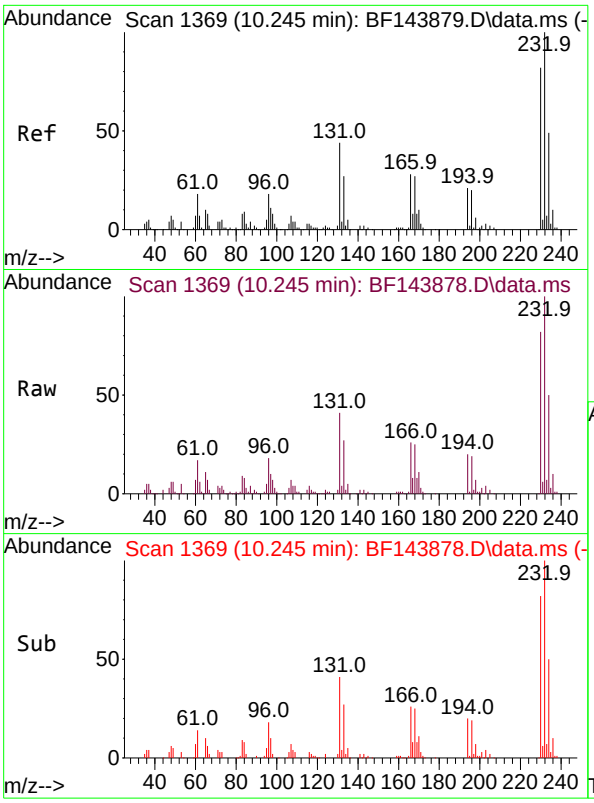


#58
Fluorene
Concen: 21.659 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

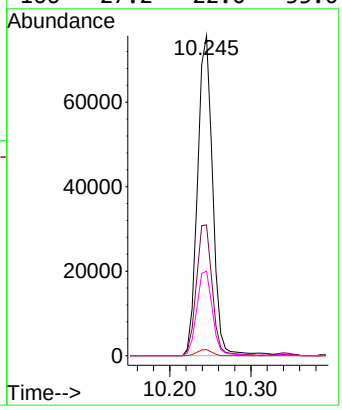




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.869 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:232 Resp: 9813

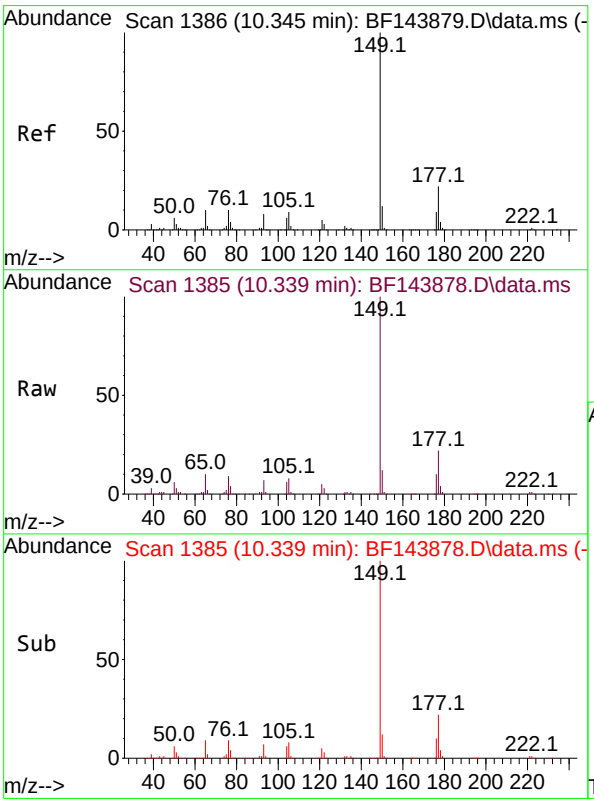
Ion	Ratio	Lower	Upper
232	100		
131	42.6	34.9	52.3
130	1.8	1.6	2.4
166	27.2	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

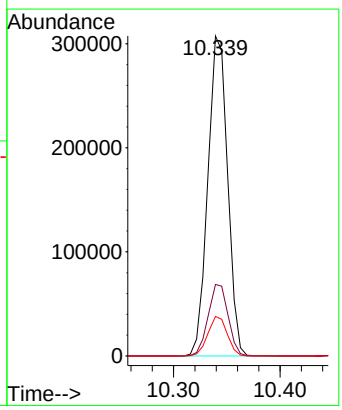
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

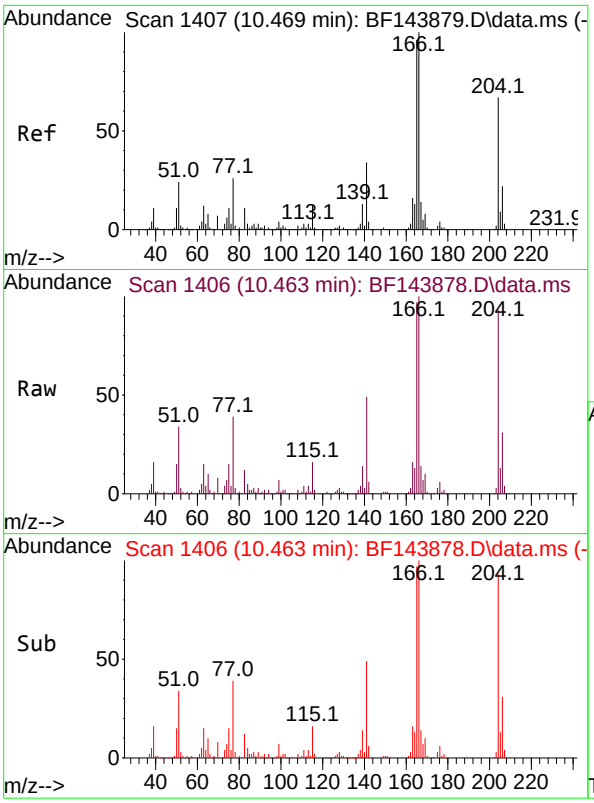


#60
Diethylphthalate
Concen: 21.575 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

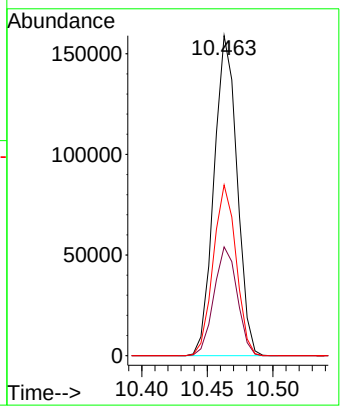




#61
4-Chlorophenyl-phenylether
Concen: 21.860 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:204 Resp: 19487

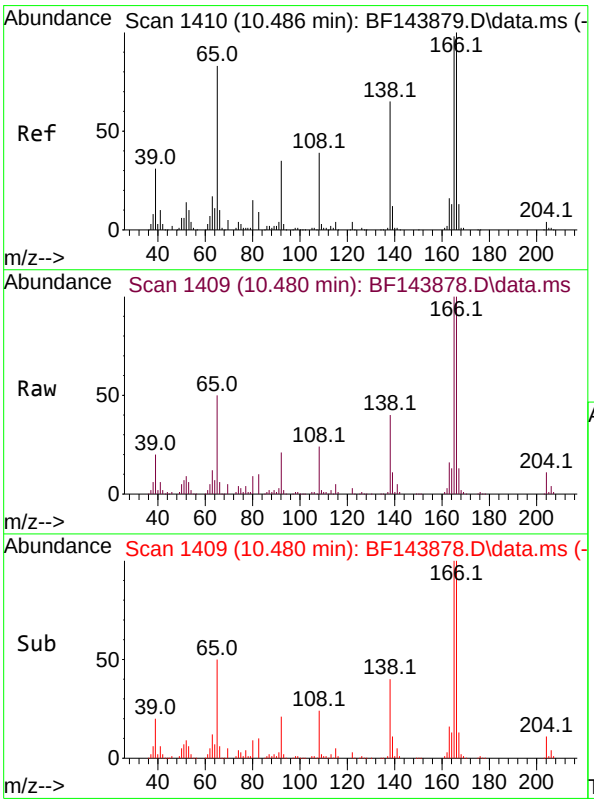
Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.6	40.0
141	53.4	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

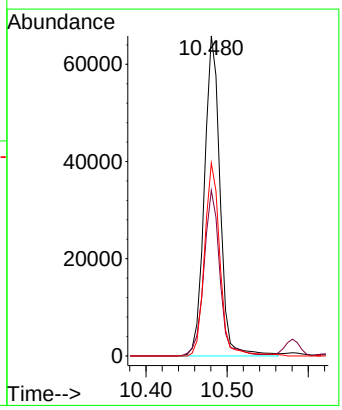
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

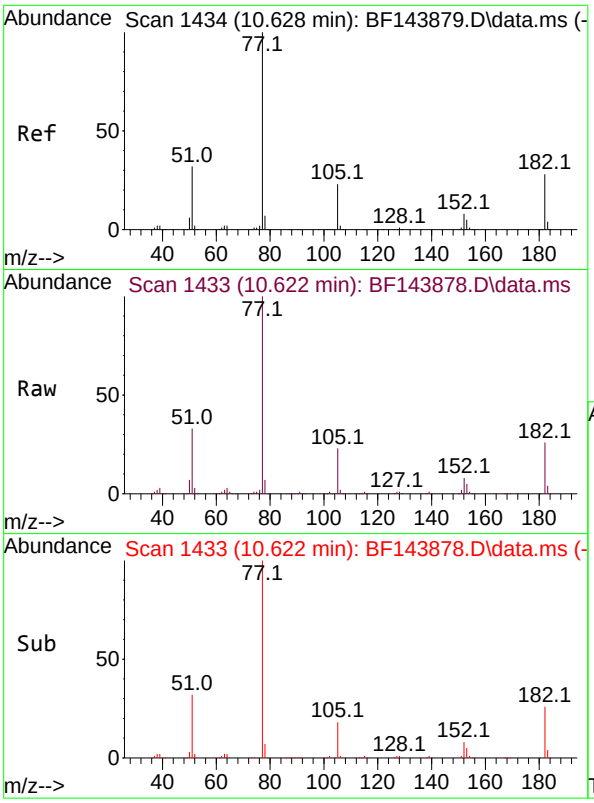


#62
4-Nitroaniline
Concen: 20.526 ng
RT: 10.480 min Scan# 1409
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

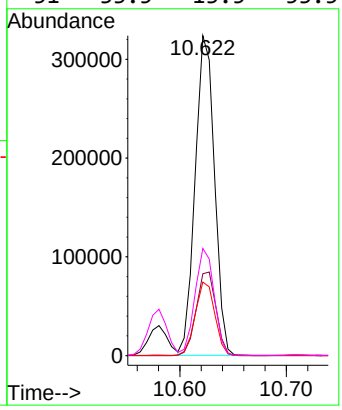




#63
Azobenzene
Concen: 21.218 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion: 77 Resp: 40726

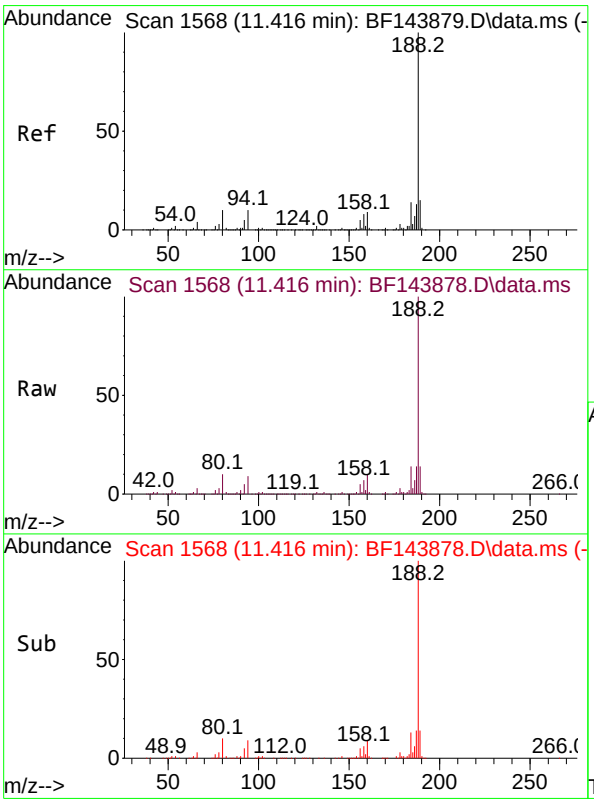
Ion	Ratio	Lower	Upper
77	100		
182	25.6	7.3	47.3
105	23.0	3.0	43.0
51	33.5	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

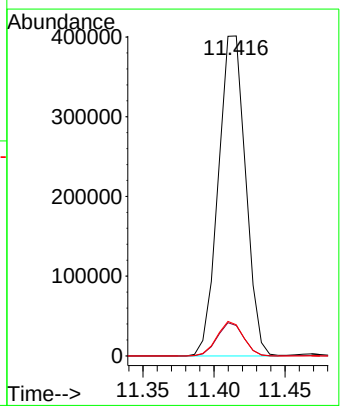
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

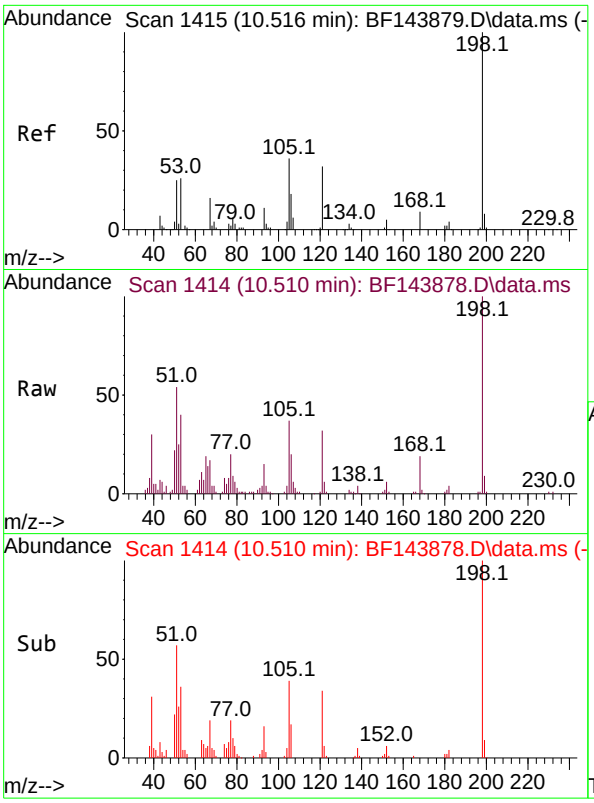


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

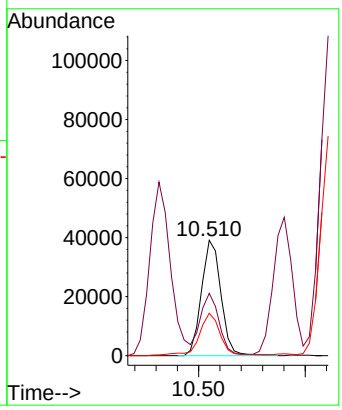




#65
4,6-Dinitro-2-methylphenol
Concen: 18.309 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:198 Resp: 4940

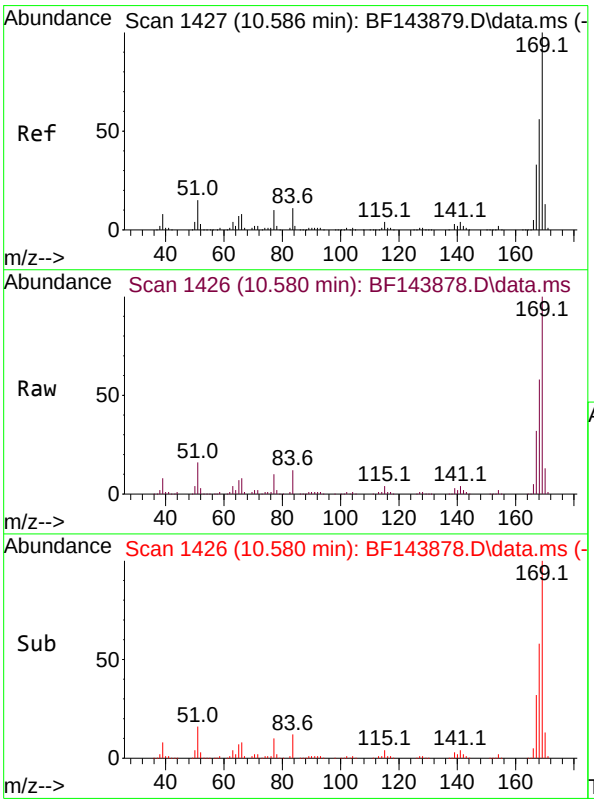
Ion	Ratio	Lower	Upper
198	100		
51	54.1	33.8	73.8
105	36.7	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

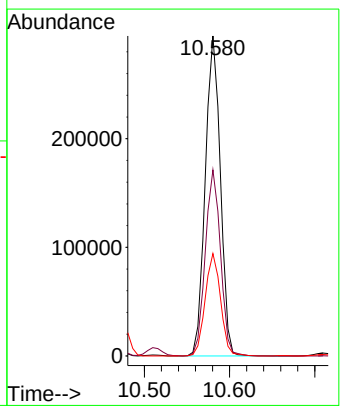
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

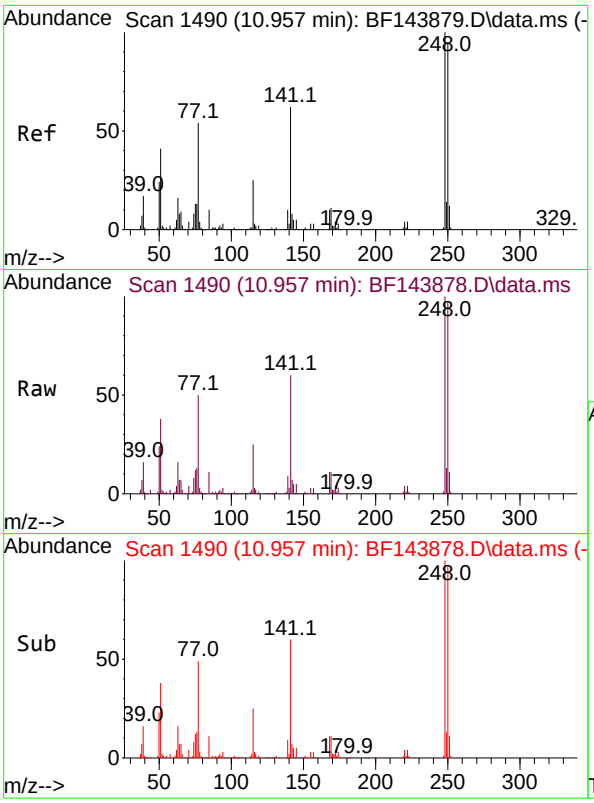


#66
n-Nitrosodiphenylamine
Concen: 21.484 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

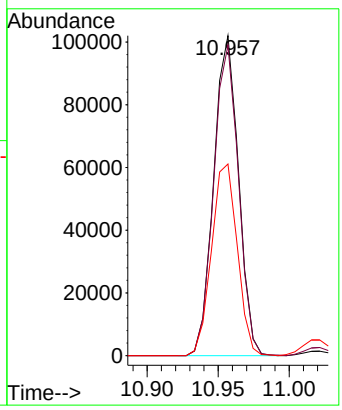




#67
4-Bromophenyl-phenylether
Concen: 20.876 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:248 Resp: 12388

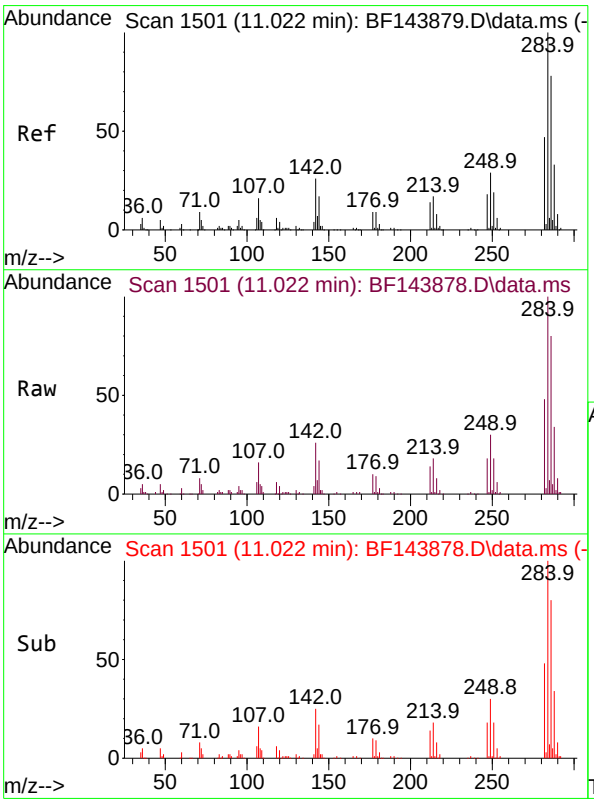
Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.3	114.5
141	59.9	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

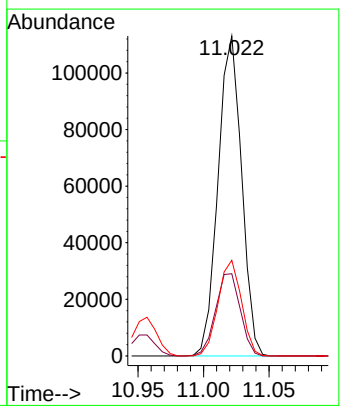
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

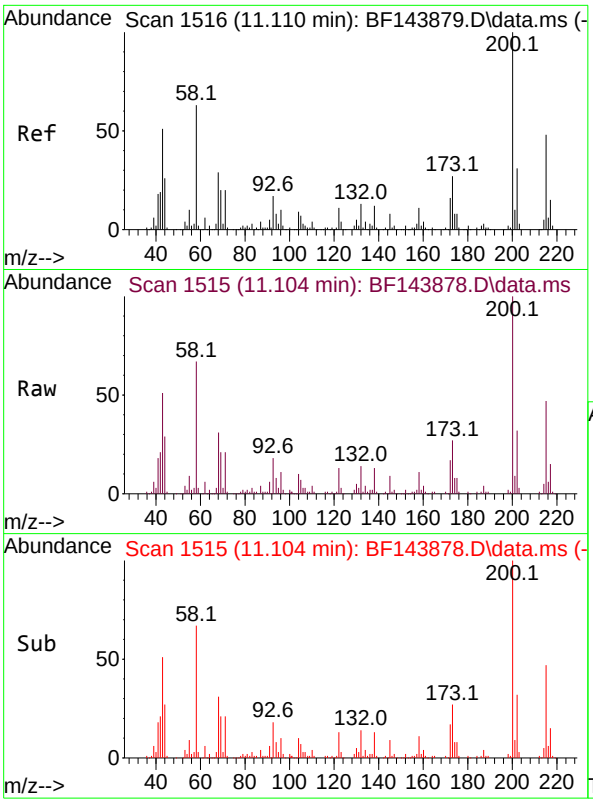


#68
Hexachlorobenzene
Concen: 20.570 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

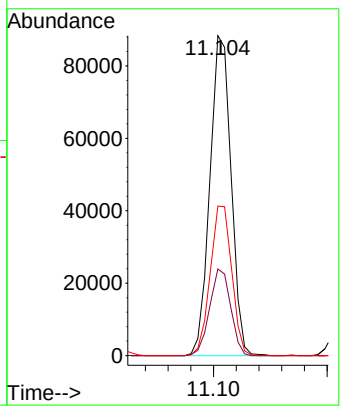




#69
Atrazine
Concen: 22.405 ng
RT: 11.104 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:200 Resp: 11449

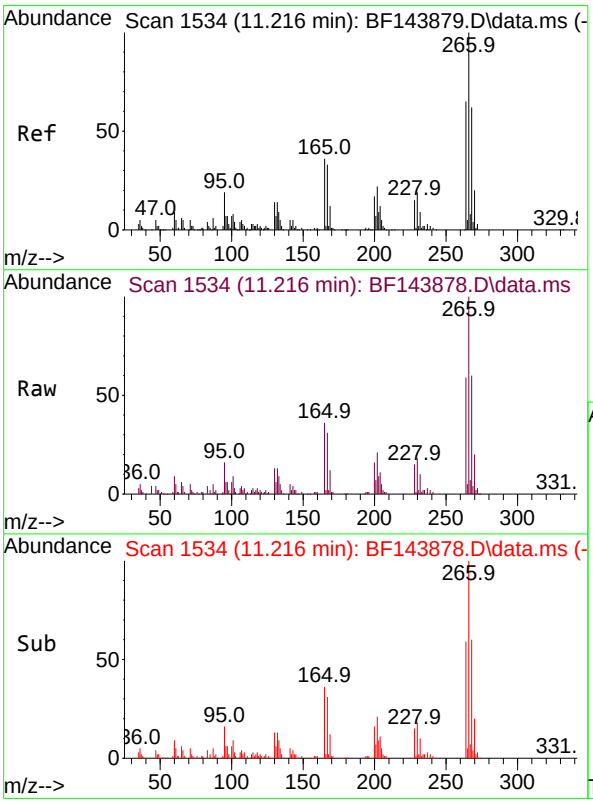
Ion	Ratio	Lower	Upper
200	100		
173	27.1	7.0	47.0
215	46.7	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

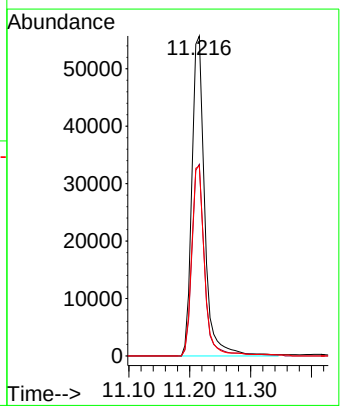
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

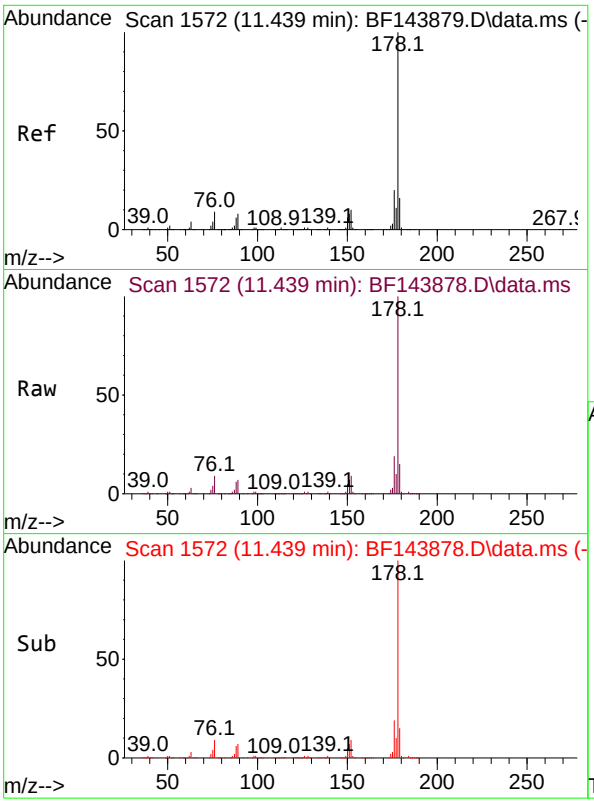


#70
Pentachlorophenol
Concen: 20.687 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

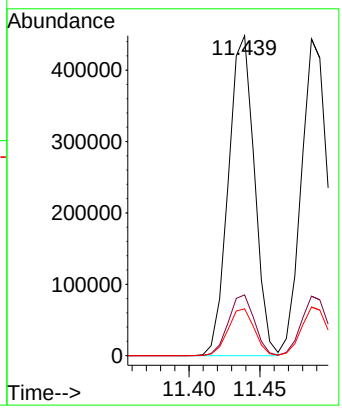




#71
Phenanthrene
Concen: 21.979 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:178 Resp: 57215

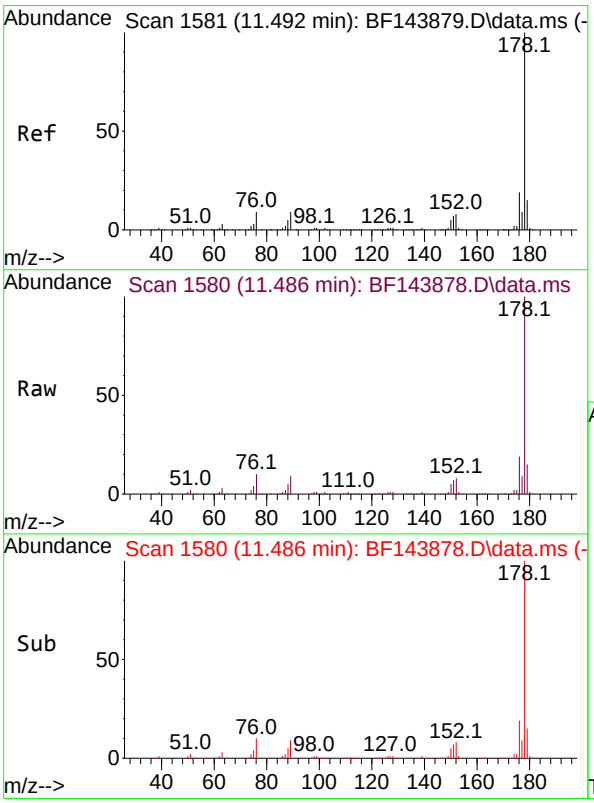
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.9	23.9
179	14.6	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

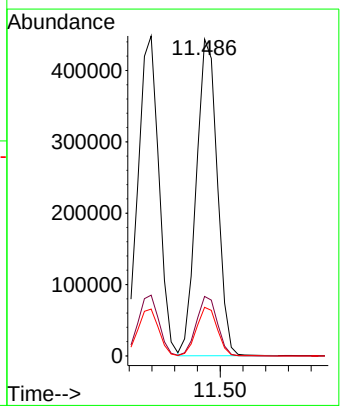
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

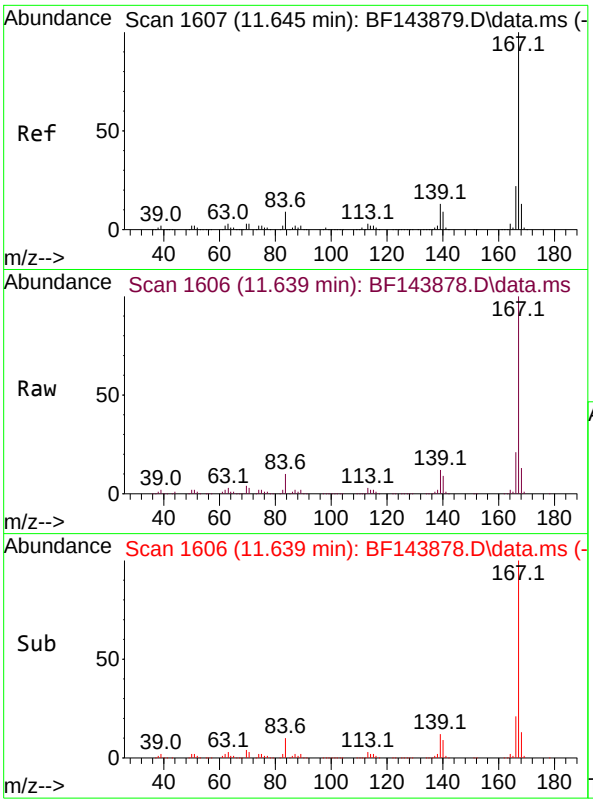


#72
Anthracene
Concen: 21.588 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

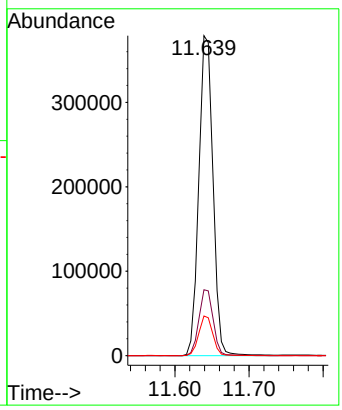




#73
Carbazole
Concen: 21.651 ng
RT: 11.639 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:167 Resp: 50428

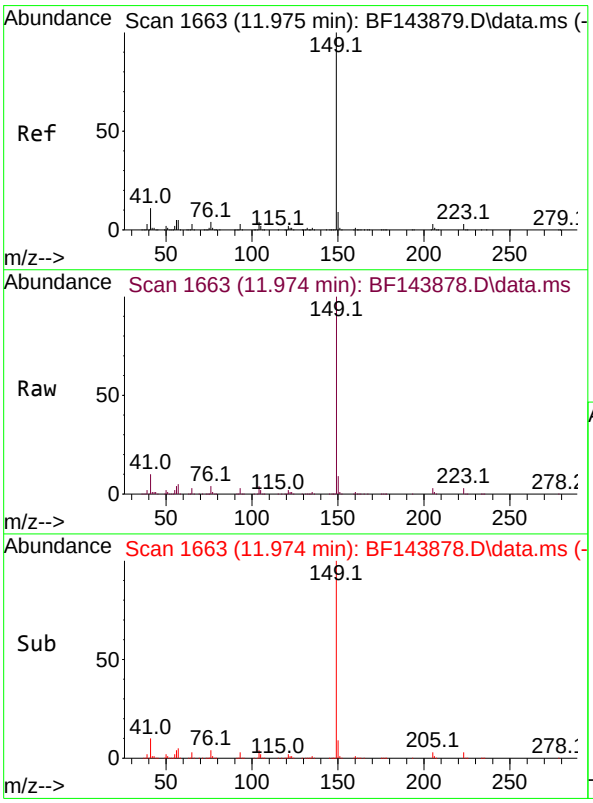
Ion	Ratio	Lower	Upper
167	100		
166	20.6	17.2	25.8
139	12.4	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

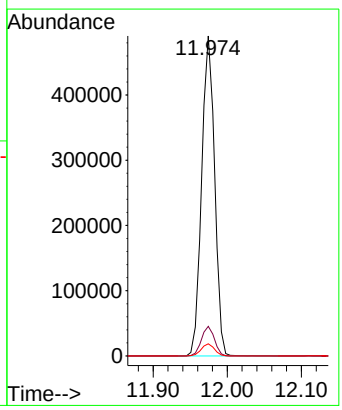
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

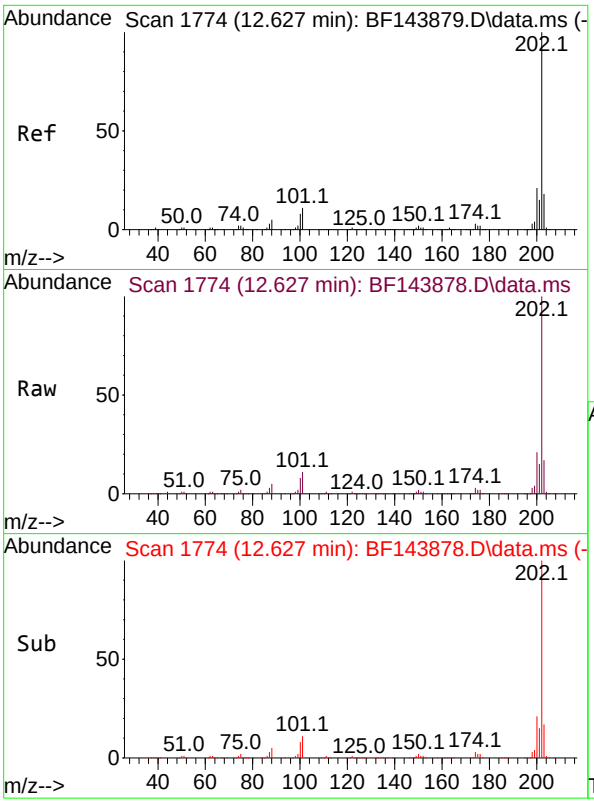


#74
Di-n-butylphthalate
Concen: 22.047 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

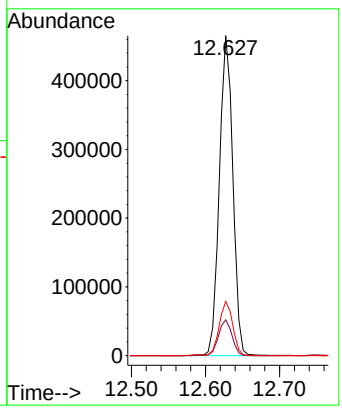




#75
Fluoranthene
Concen: 21.843 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:202 Resp: 587348

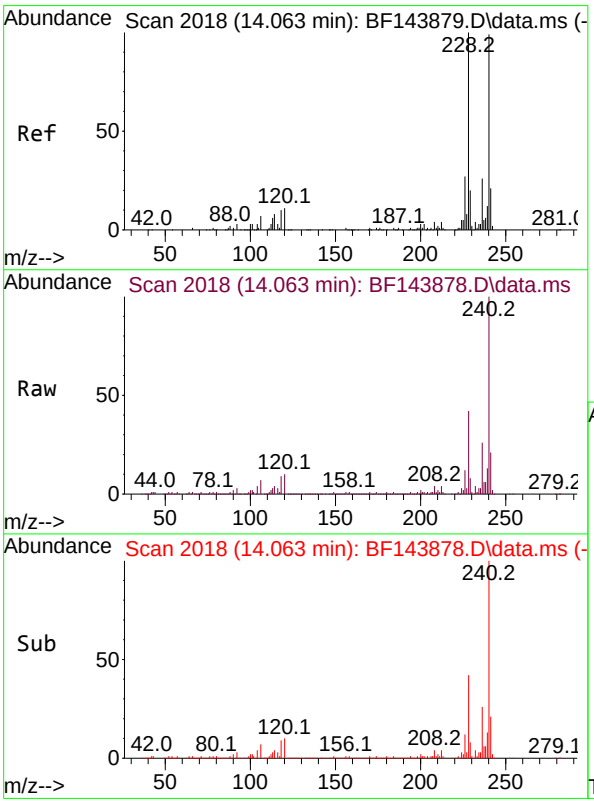
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	30.7
203	16.9	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

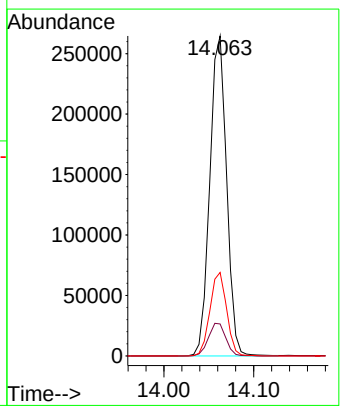
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

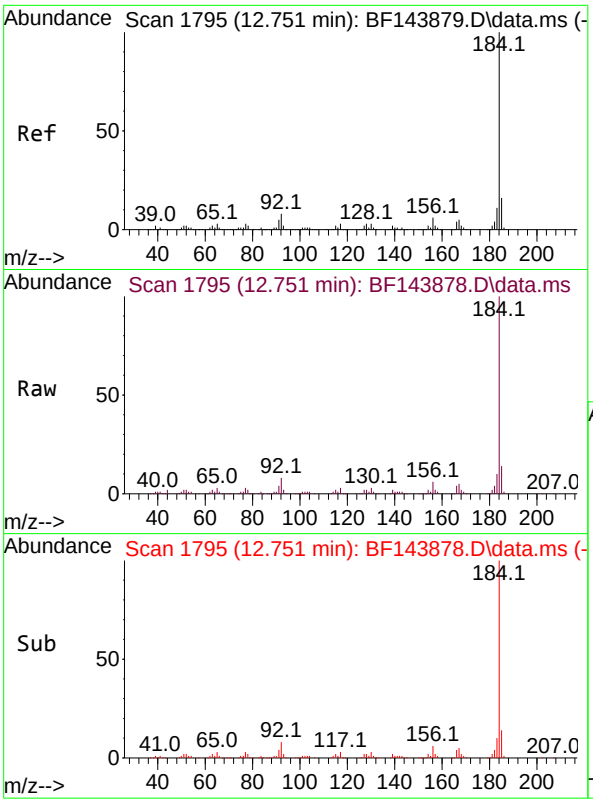


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

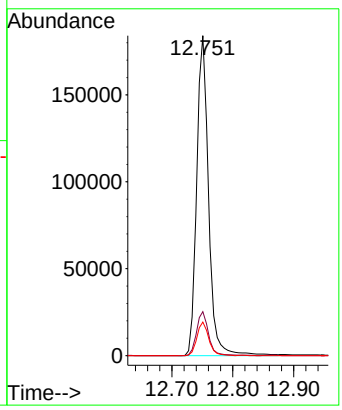




#77
Benzidine
Concen: 20.710 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:184 Resp: 24935

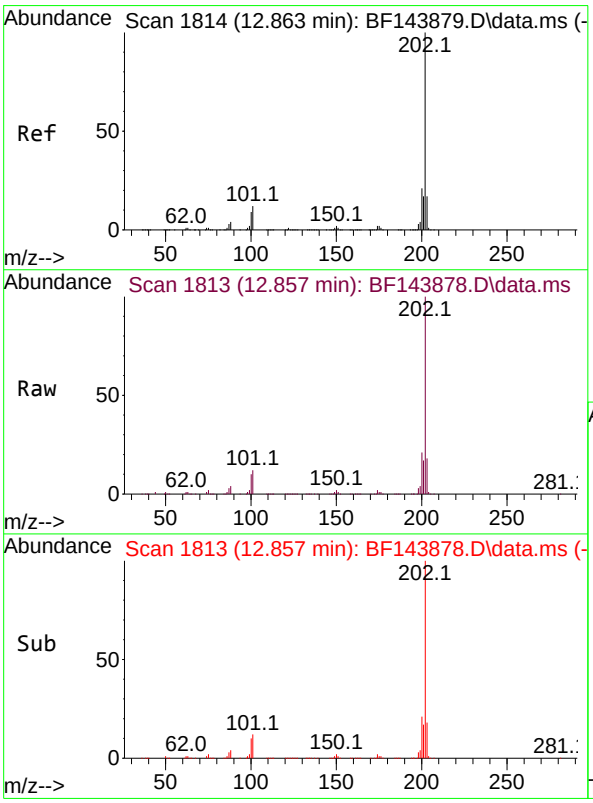
Ion	Ratio	Lower	Upper
184	100		
185	13.7	12.6	18.8
183	10.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

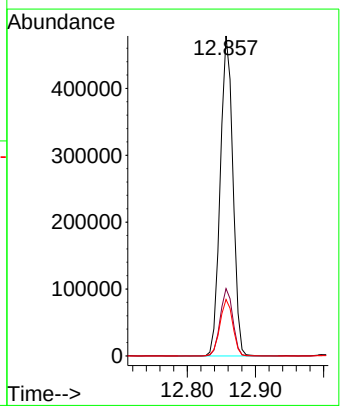
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

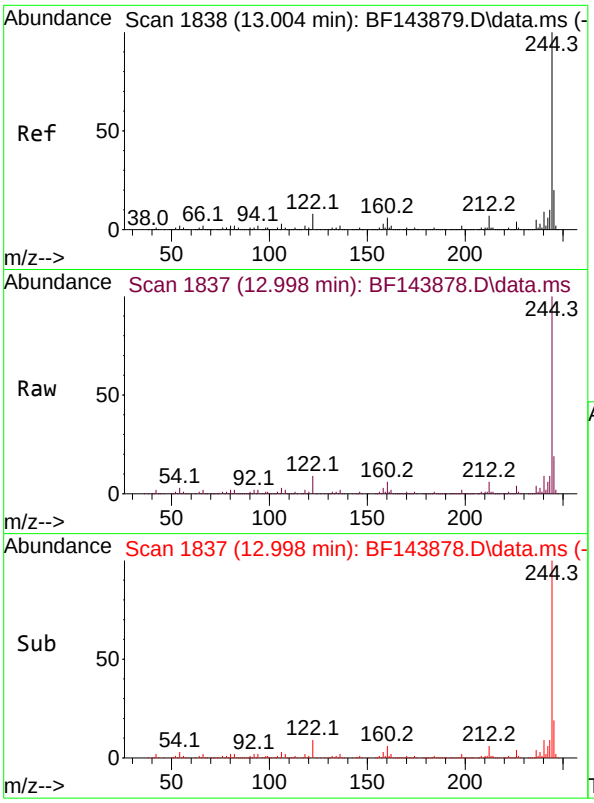


#78
Pyrene
Concen: 21.215 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

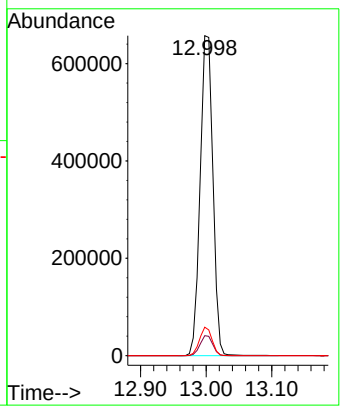




#79
Terphenyl-d14
Concen: 43.445 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:244 Resp: 88148

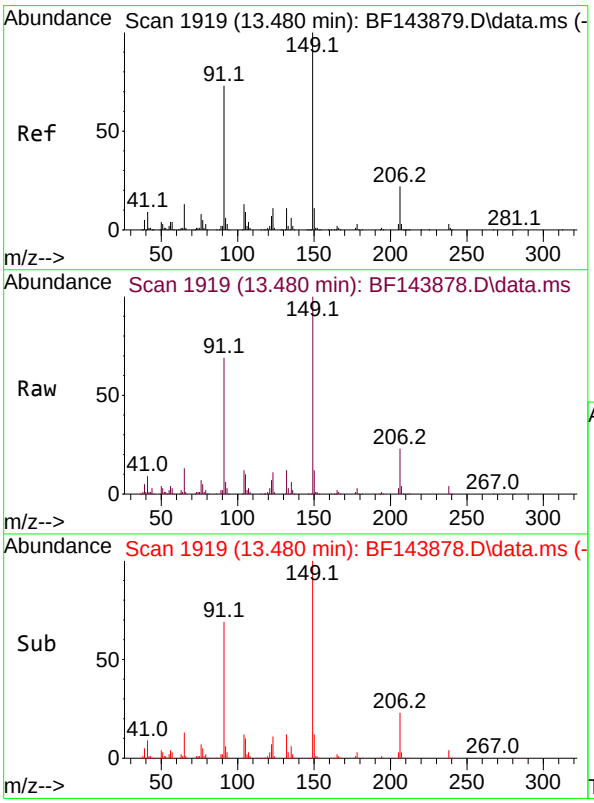
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.4	8.0
122	8.9	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

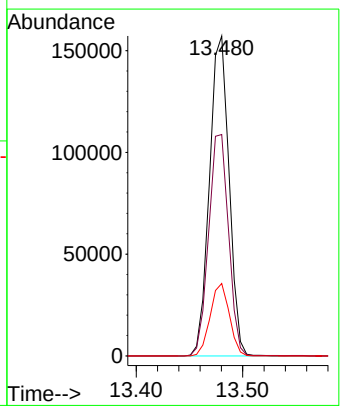
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

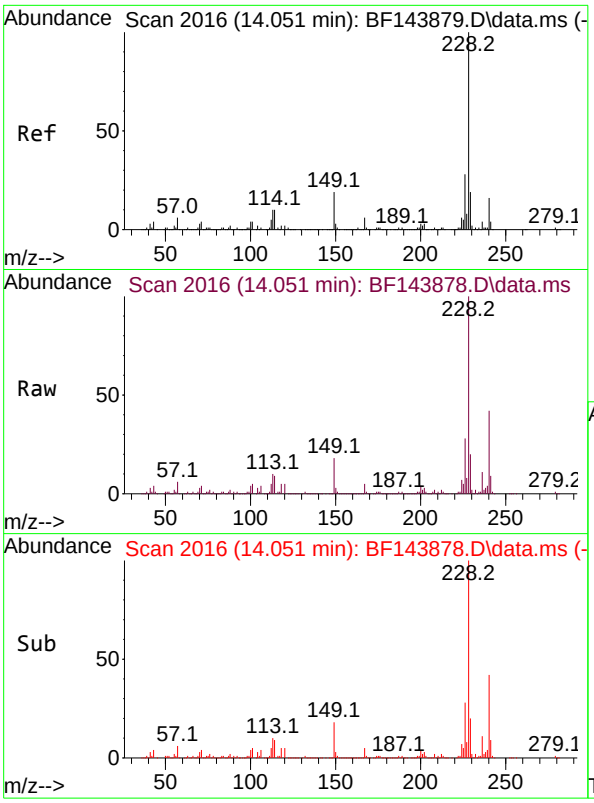


#80
Butylbenzylphthalate
Concen: 21.391 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

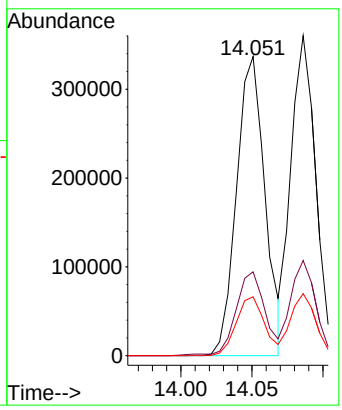




#81
Benzo(a)anthracene
Concen: 20.693 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:228 Resp: 46956

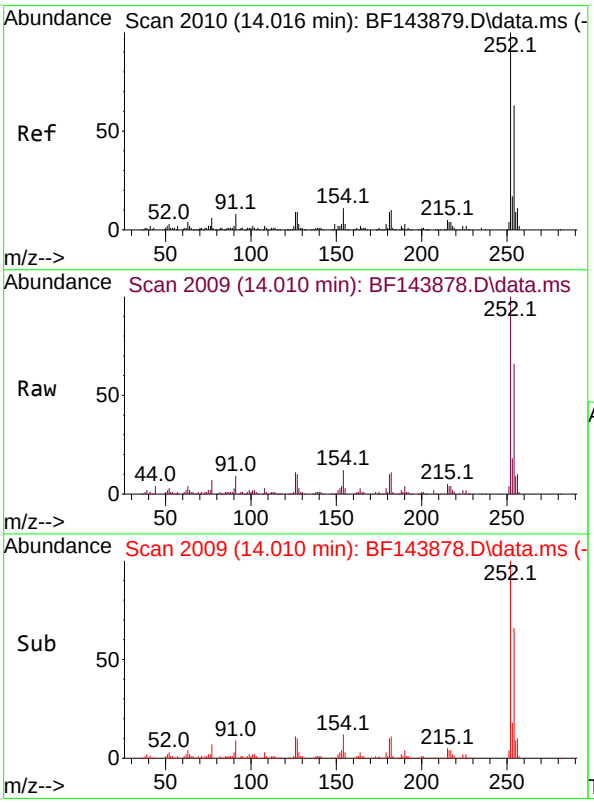
Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.2	33.2
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

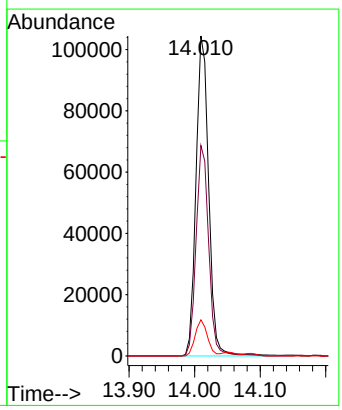
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

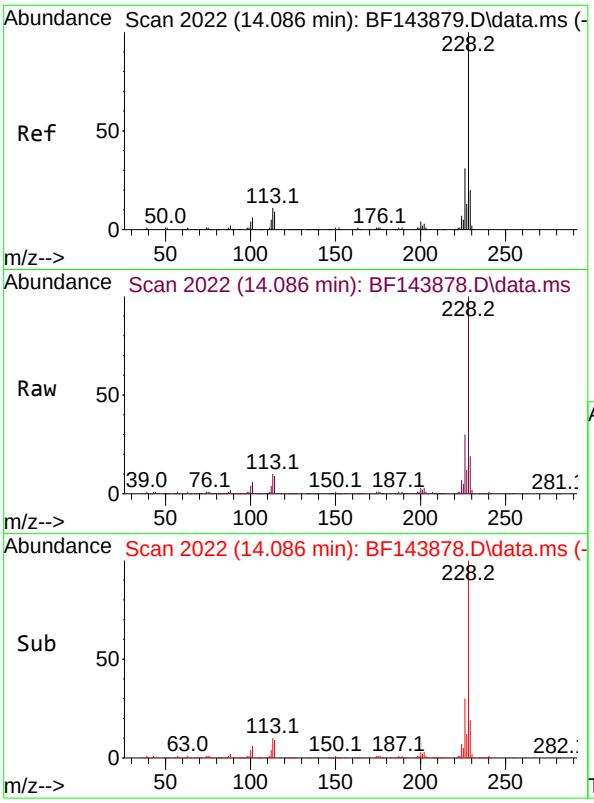


#82
3,3'-Dichlorobenzidine
Concen: 20.219 ng
RT: 14.010 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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#

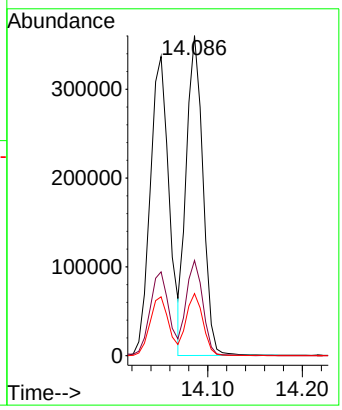




#83
Chrysene
Concen: 20.920 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:228 Resp: 43937

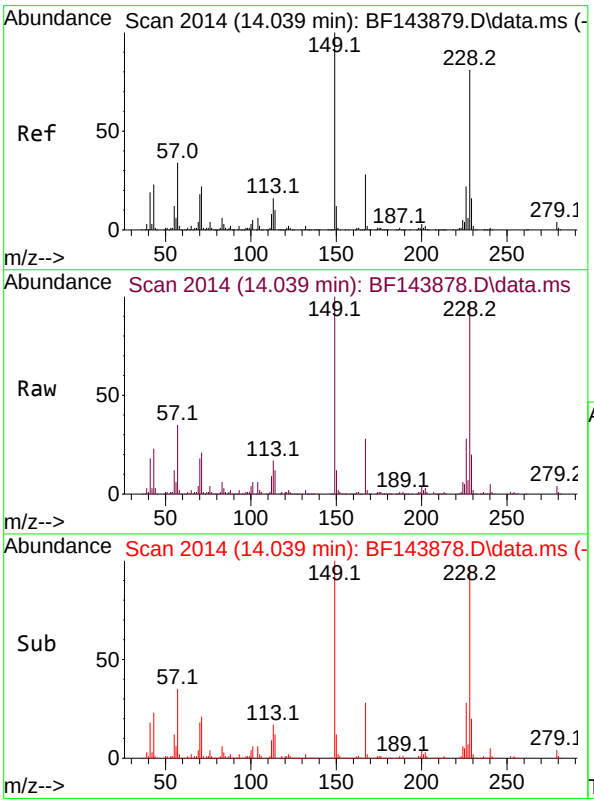
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.4	36.6
229	19.4	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

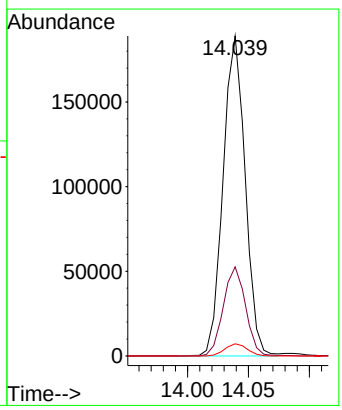
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

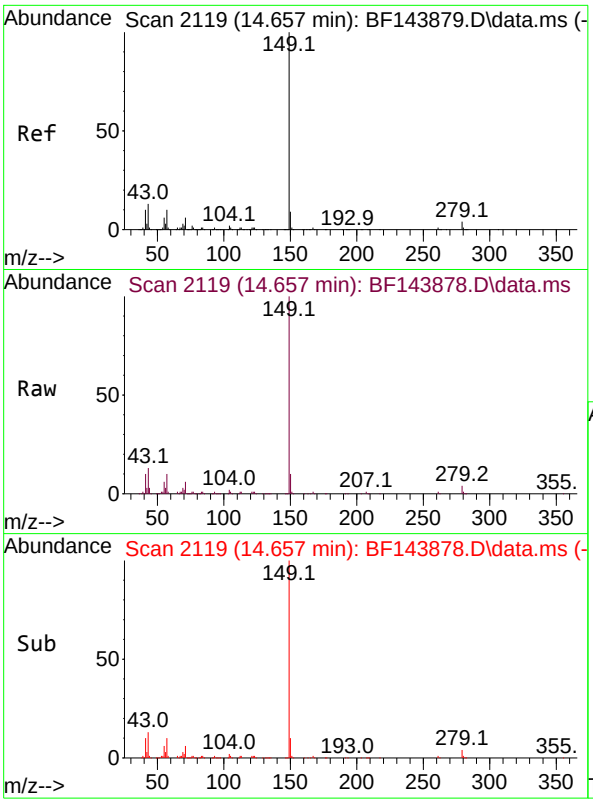


#84
Bis(2-ethylhexyl)phthalate
Concen: 21.041 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

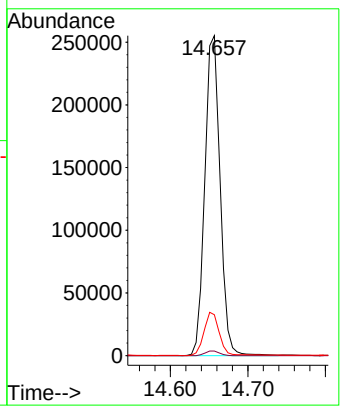




#85
Di-n-octyl phthalate
Concen: 18.814 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:149 Resp: 34972

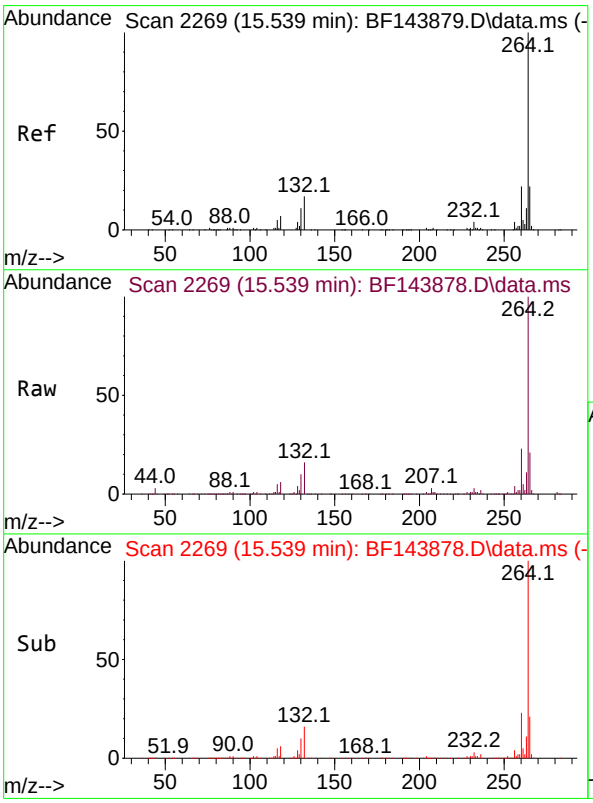
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

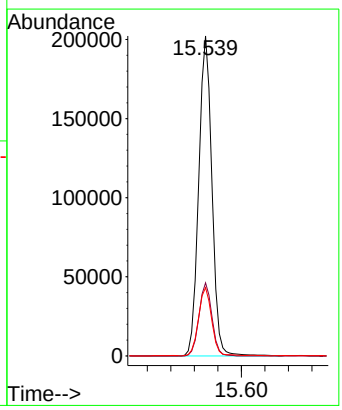
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

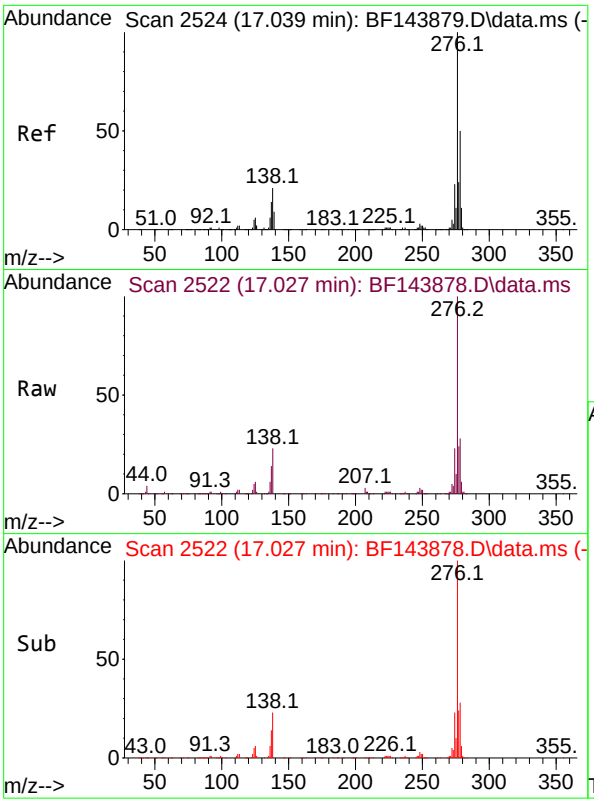


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

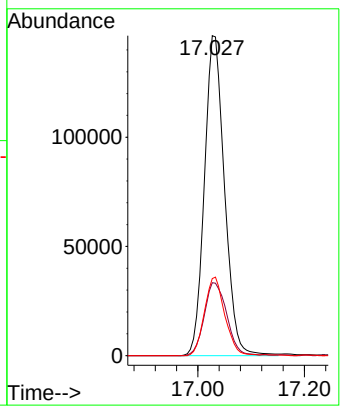




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.942 ng
RT: 17.027 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:276 Resp: 384441

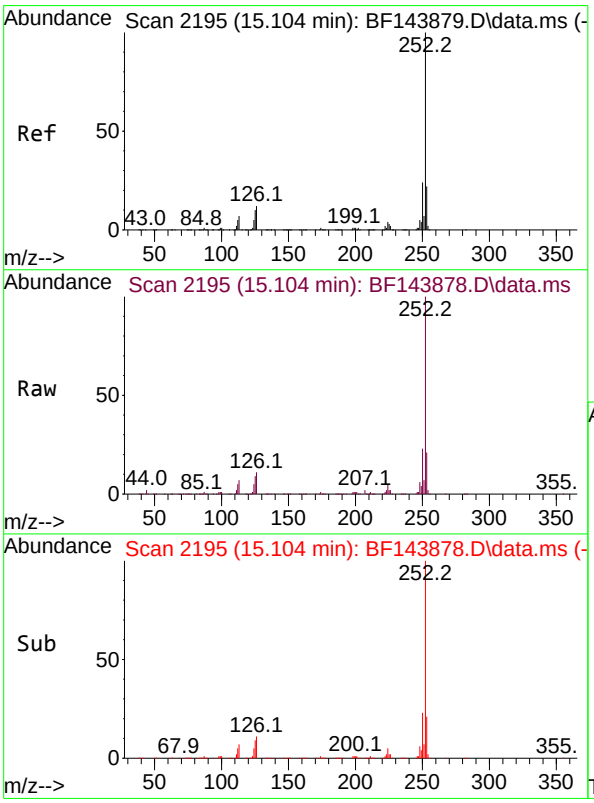
Ion	Ratio	Lower	Upper
276	100		
138	25.5	18.2	27.2
277	25.0	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

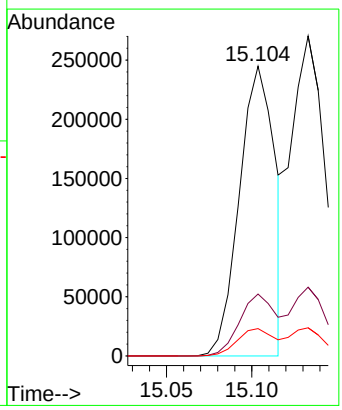
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

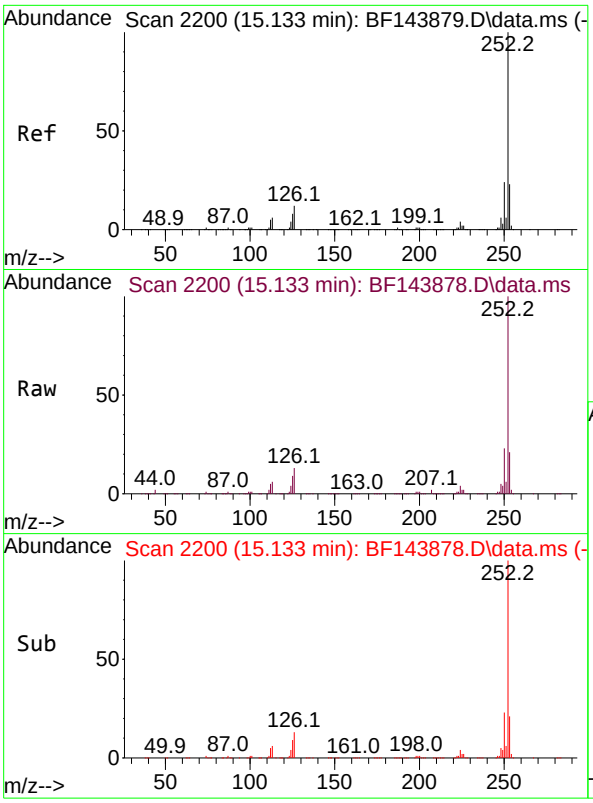


#88
Benzo(b)fluoranthene
Concen: 19.692 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

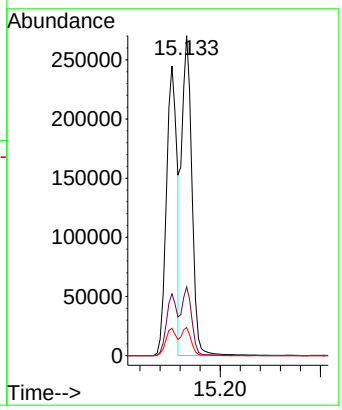




#89
Benzo(k)fluoranthene
Concen: 23.106 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:252 Resp: 38639

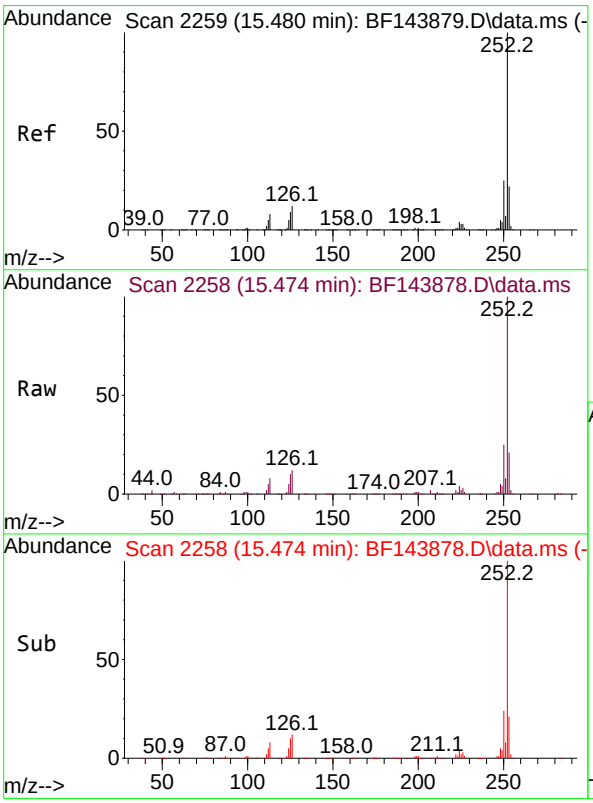
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.8
125	8.8	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

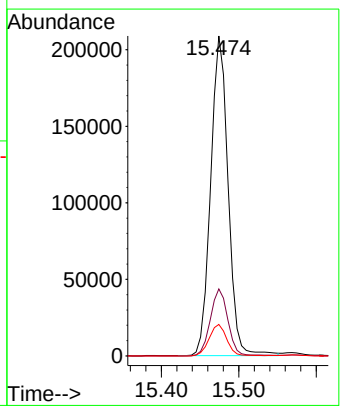
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

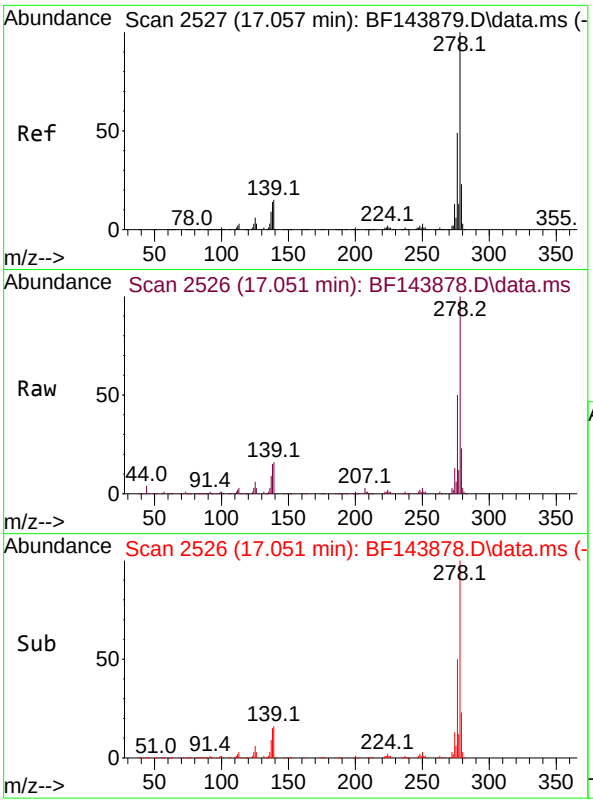


#90
Benzo(a)pyrene
Concen: 20.822 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

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

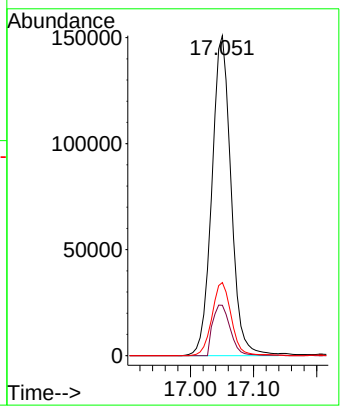




#91
Dibenzo(a,h)anthracene
Concen: 20.589 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143878.D
Acq: 06 Oct 2025 11:56

Tgt Ion:278 Resp: 31921

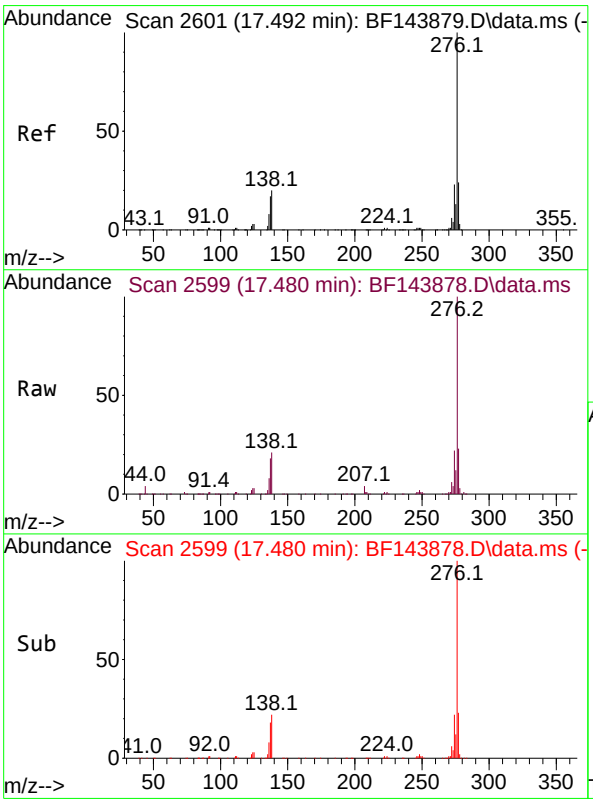
Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.7	17.5
279	22.8	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

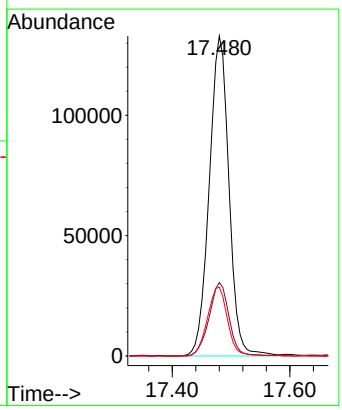
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

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

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

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

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

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

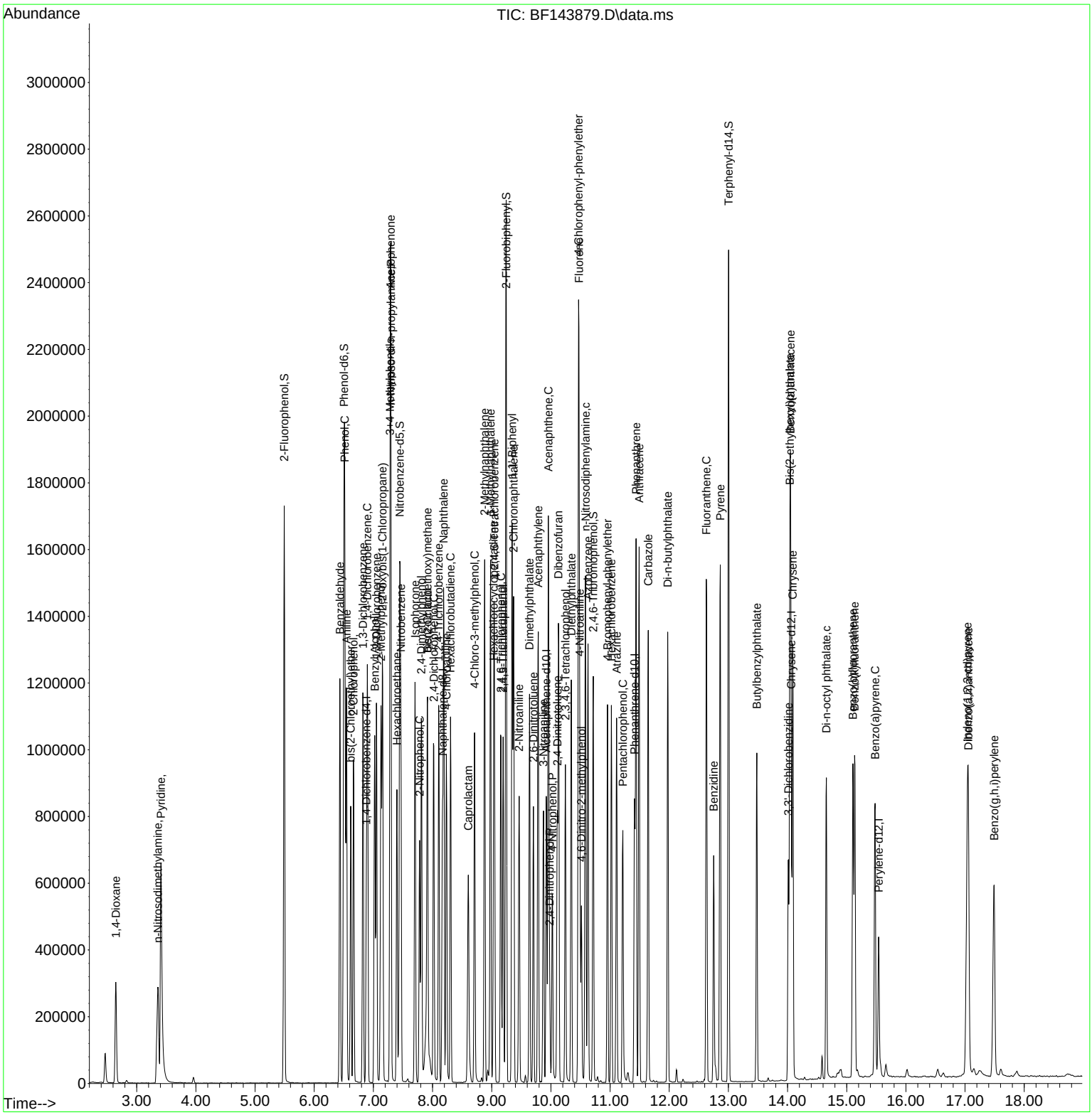
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143879.D
Acq On : 06 Oct 2025 12:54
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

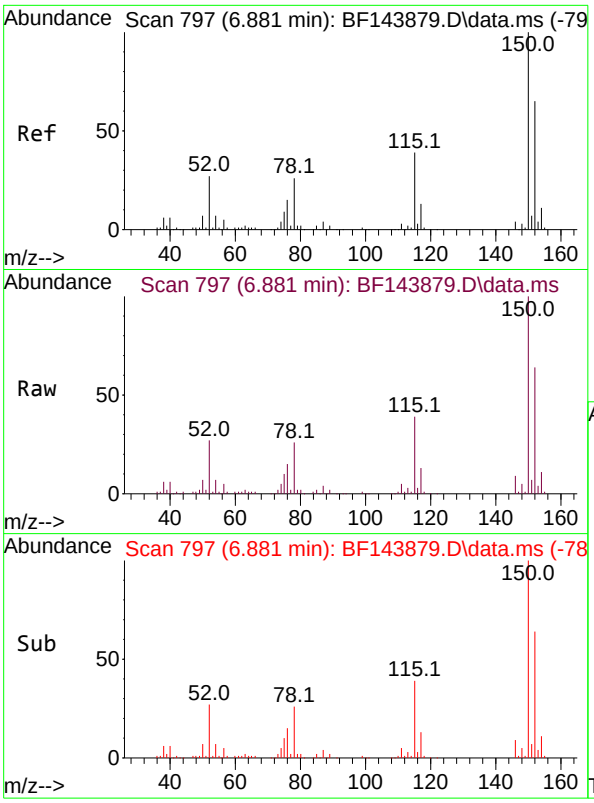
Quant Time: Oct 06 15:38:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

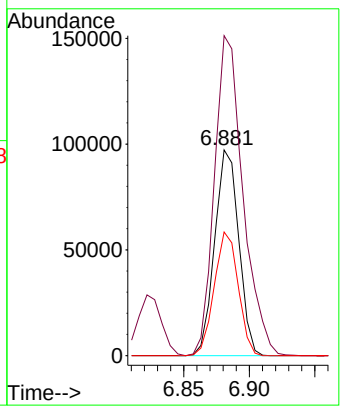




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:152 Resp: 12415

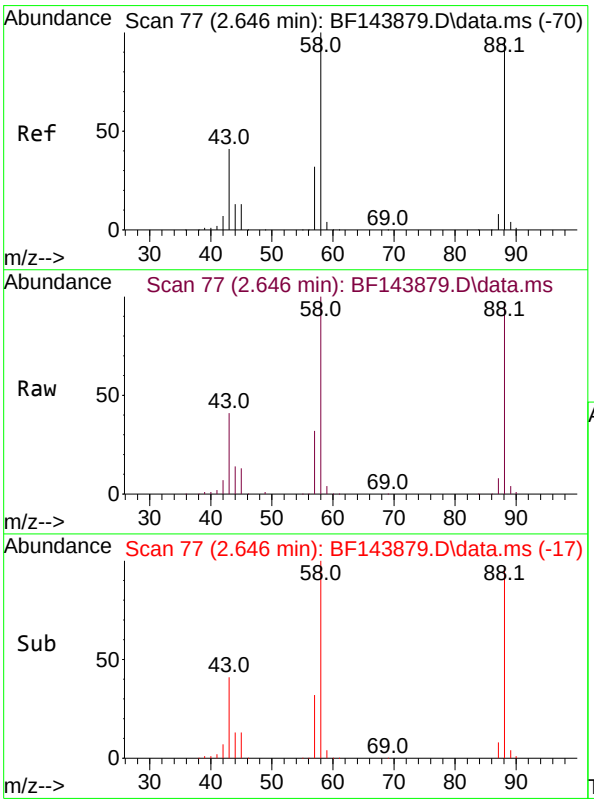
Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.4	186.6
115	60.1	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

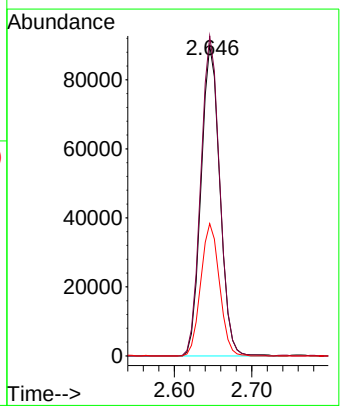
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

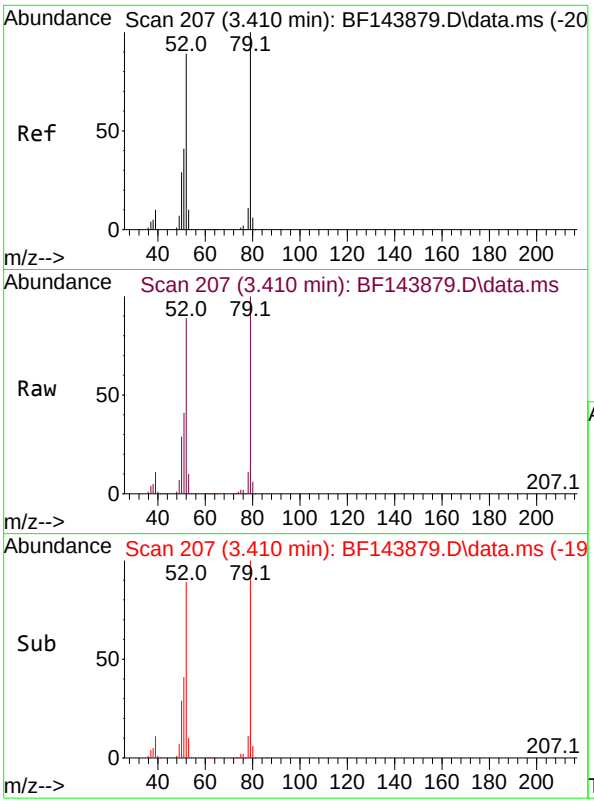


#2
1,4-Dioxane
Concen: 41.781 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

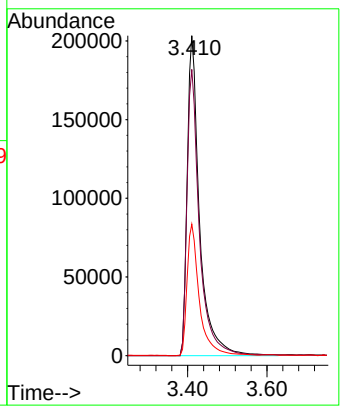
Tgt Ion: 79 Resp: 43998

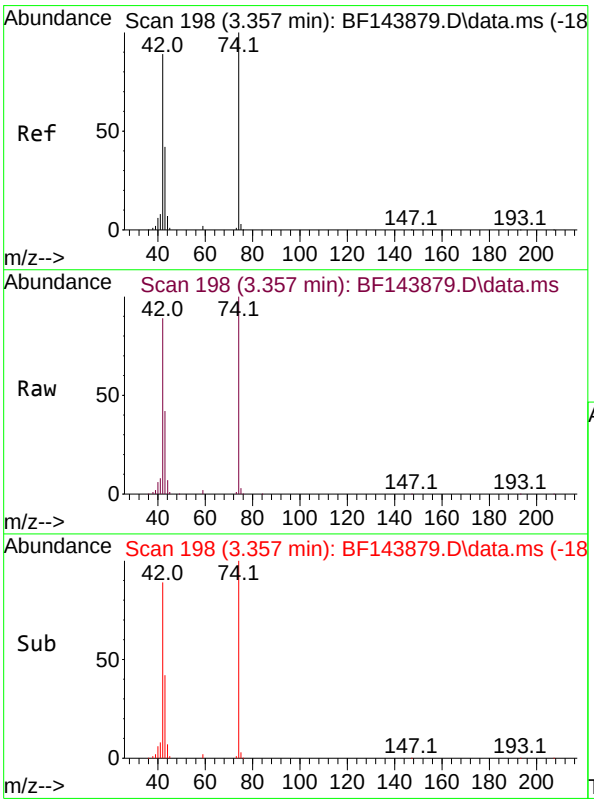
Ion	Ratio	Lower	Upper
79	100		
52	89.4	71.5	107.3
51	41.1	32.9	49.3

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

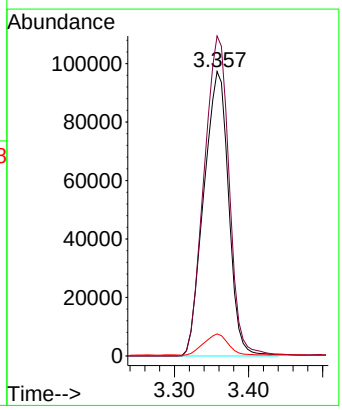


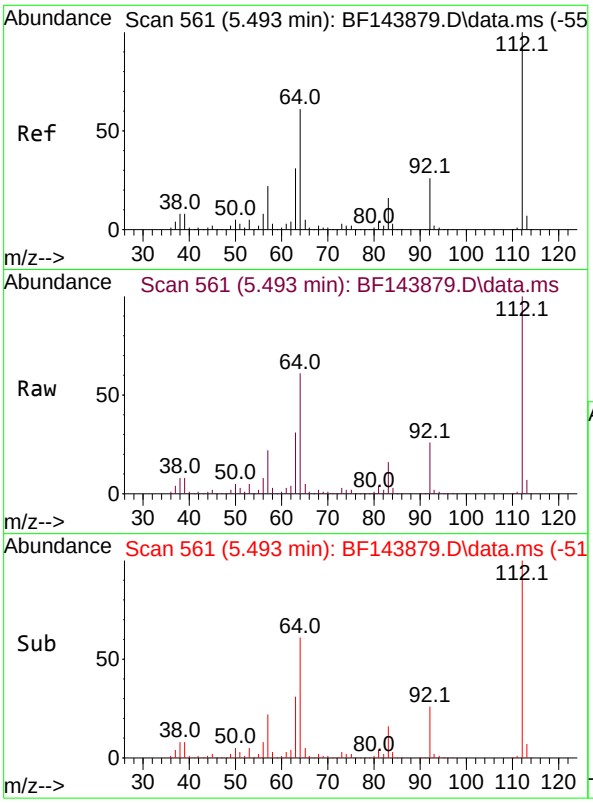


#4
n-Nitrosodimethylamine
Concen: 40.760 ng
RT: 3.357 min Scan# 198
Delta R.T. -0.029 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

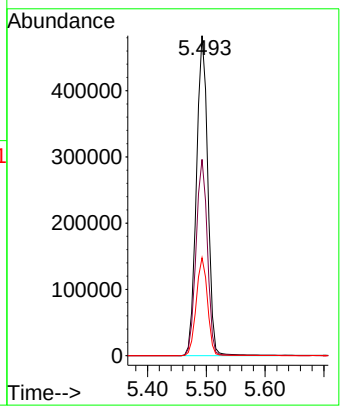




#5
2-Fluorophenol
Concen: 83.027 ng
RT: 5.493 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:112 Resp: 64912

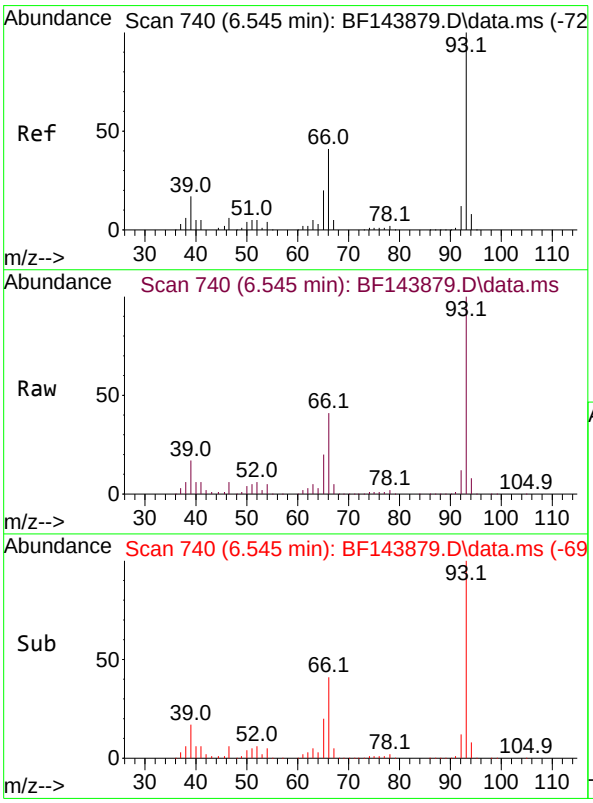
Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.1	73.7
63	30.6	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

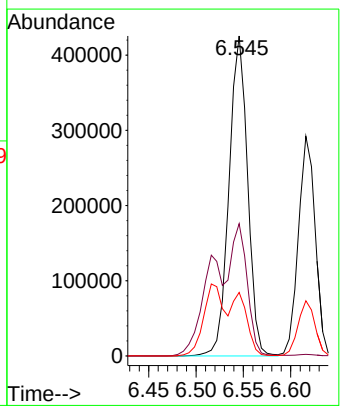
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

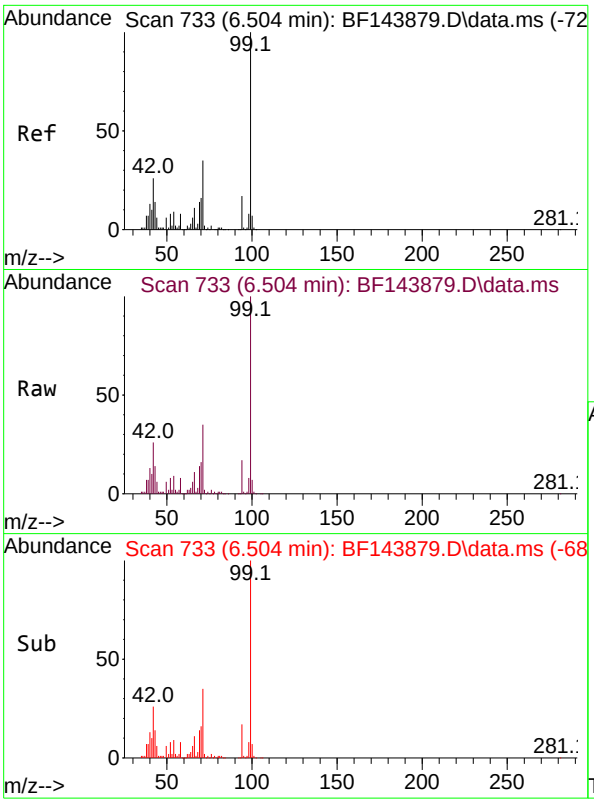


#6
Aniline
Concen: 41.662 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

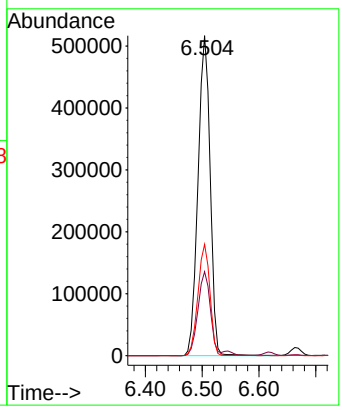




#7
Phenol-d6
Concen: 82.158 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 99 Resp: 765629

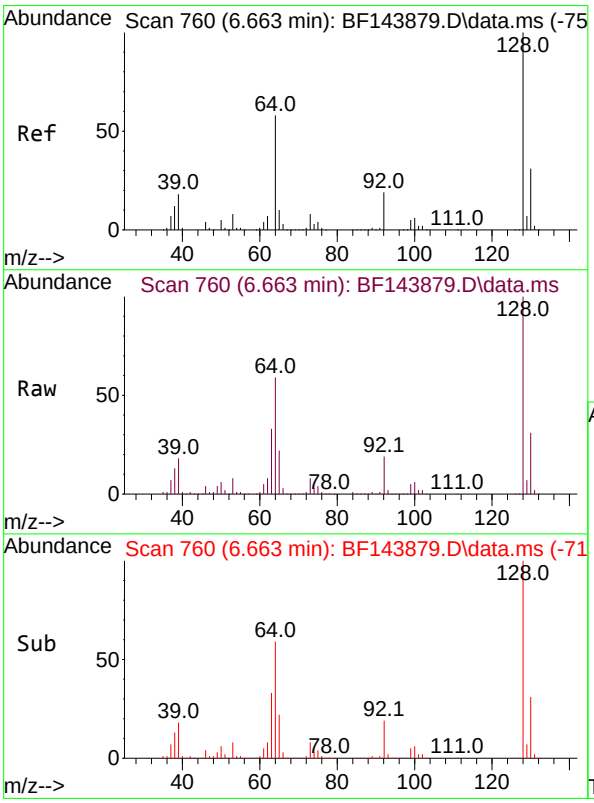
Ion	Ratio	Lower	Upper
99	100		
42	26.2	21.0	31.4
71	34.8	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

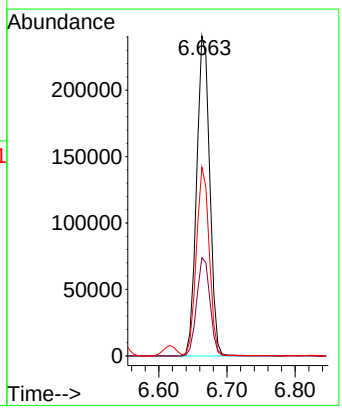
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

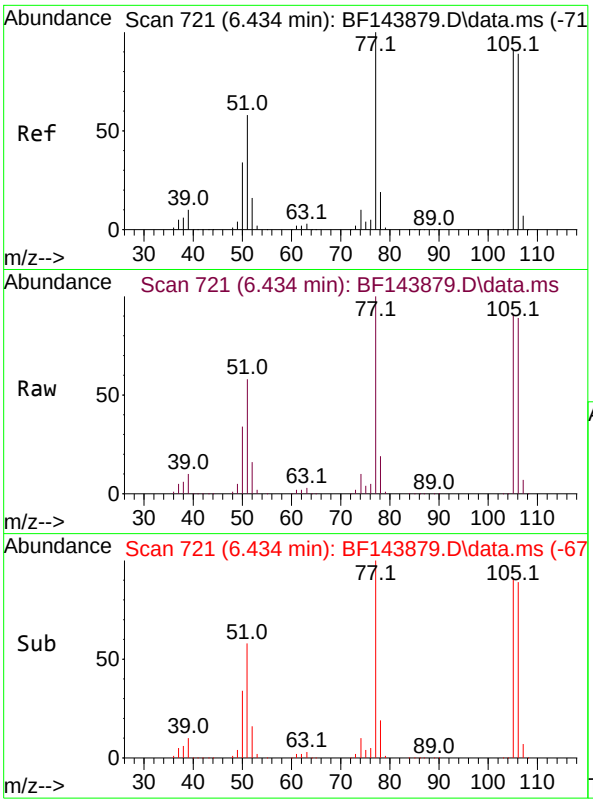


#8
2-Chlorophenol
Concen: 42.055 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

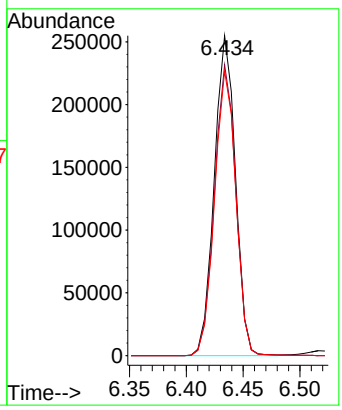




#9
Benzaldehyde
Concen: 45.914 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 33006

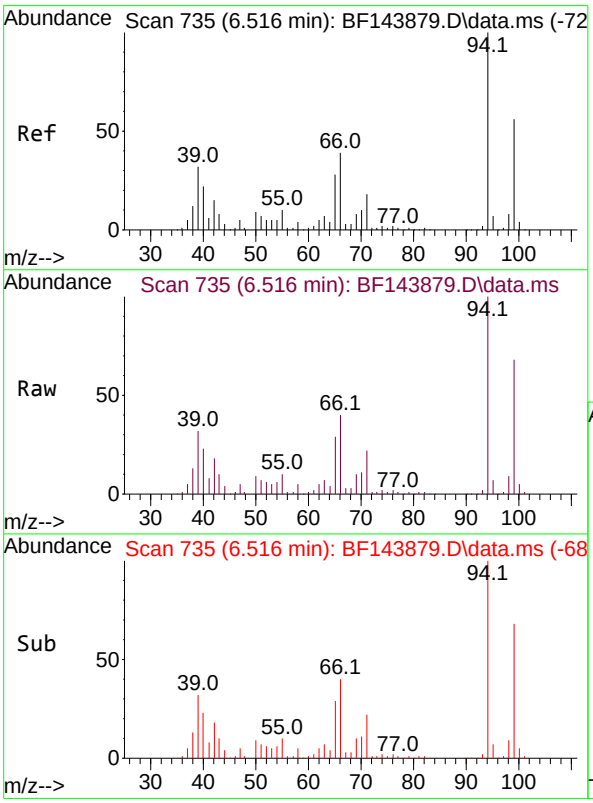
Ion	Ratio	Lower	Upper
77	100		
105	90.9	70.9	110.9
106	88.9	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

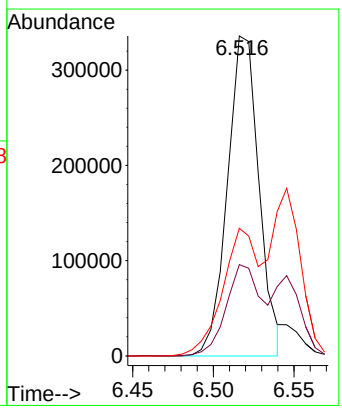
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

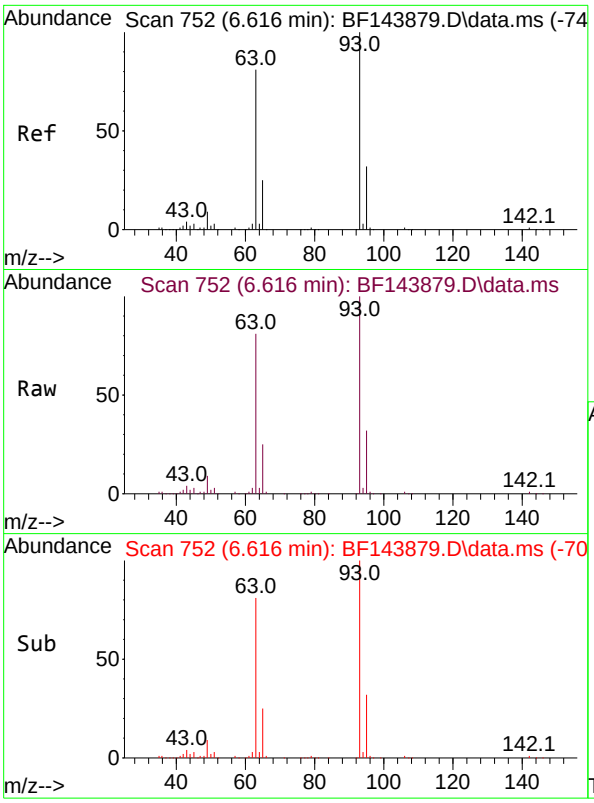


#10
Phenol
Concen: 41.042 ng m
RT: 6.516 min Scan# 735
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

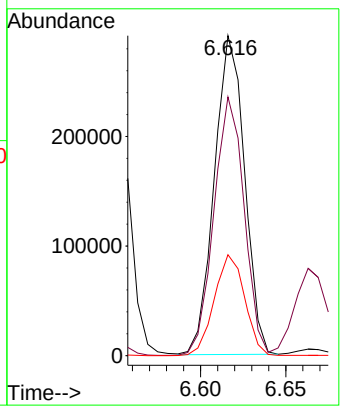




#11
bis(2-Chloroethyl)ether
Concen: 41.712 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 93 Resp: 35898

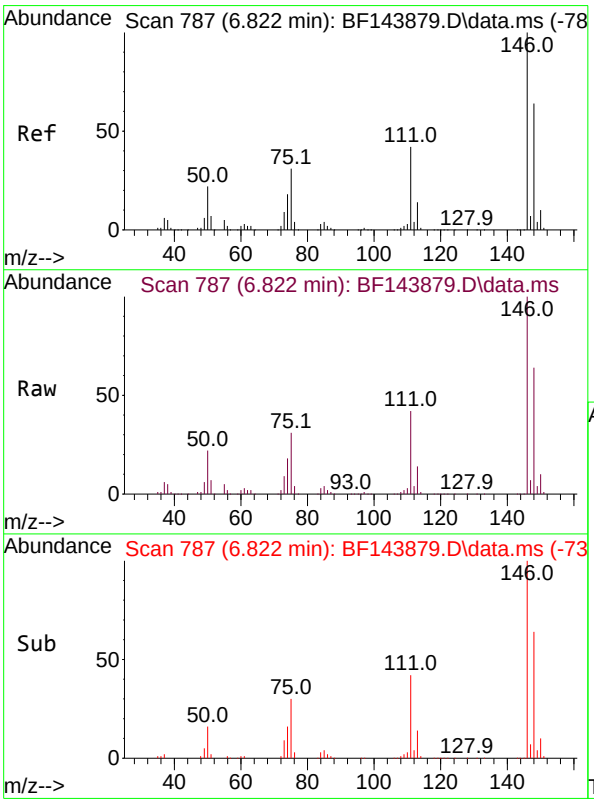
Ion	Ratio	Lower	Upper
93	100		
63	80.9	60.9	100.9
95	31.5	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

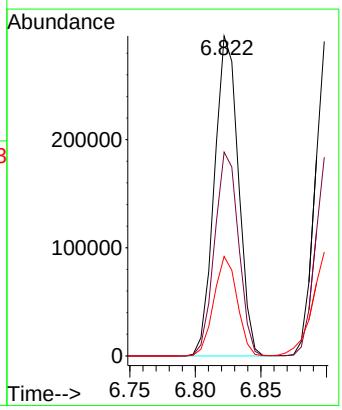
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

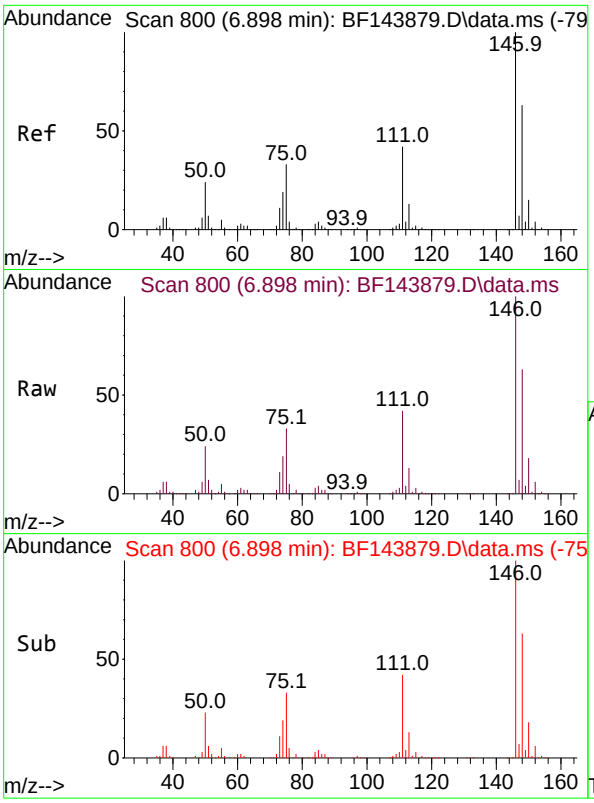


#12
1,3-Dichlorobenzene
Concen: 41.141 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

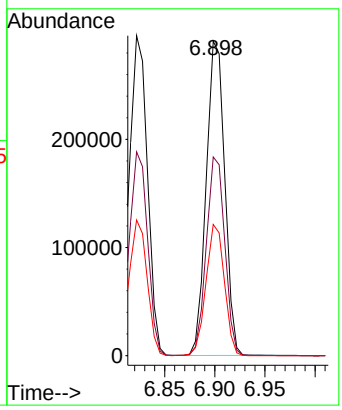




#13
1,4-Dichlorobenzene
Concen: 41.238 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:146 Resp: 37211

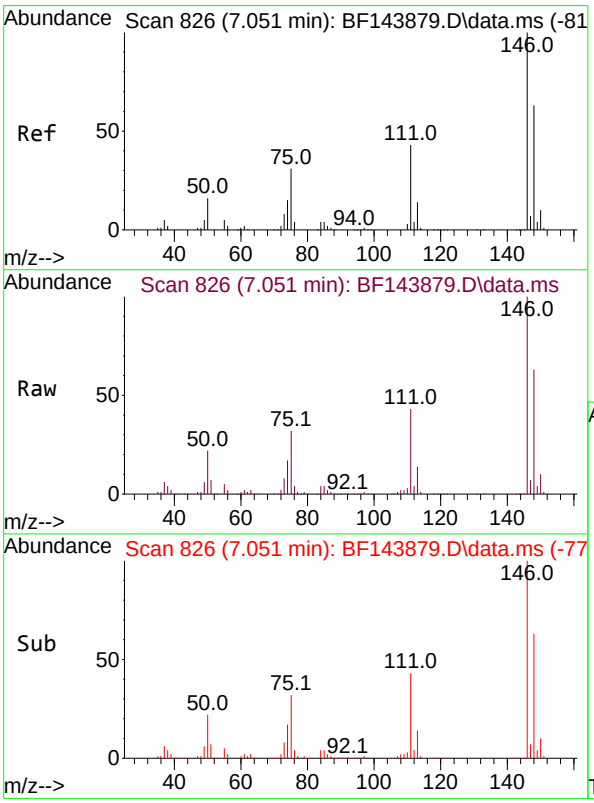
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	41.7	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

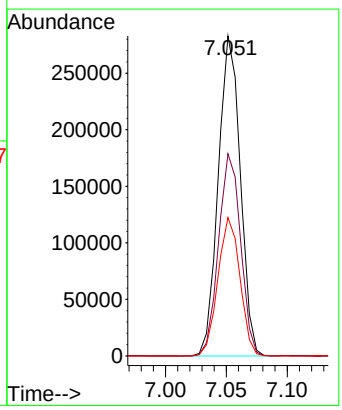
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

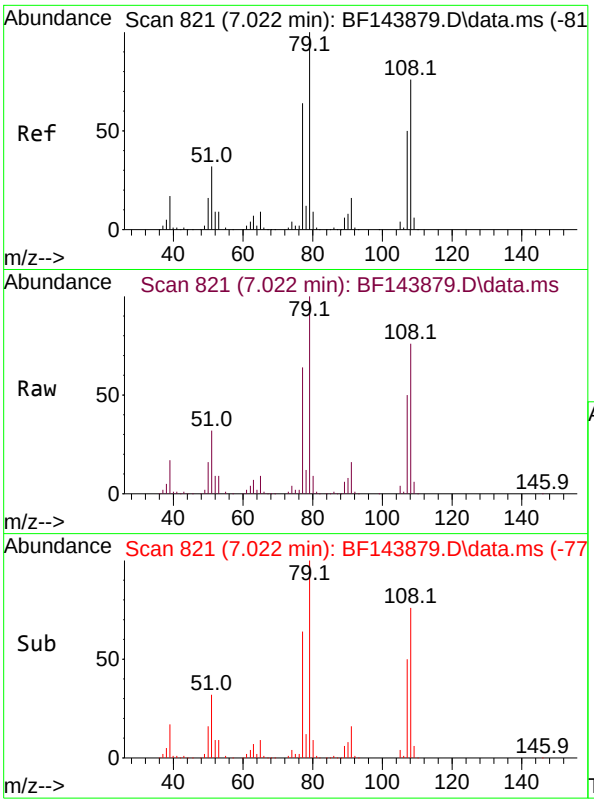


#14
1,2-Dichlorobenzene
Concen: 41.204 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

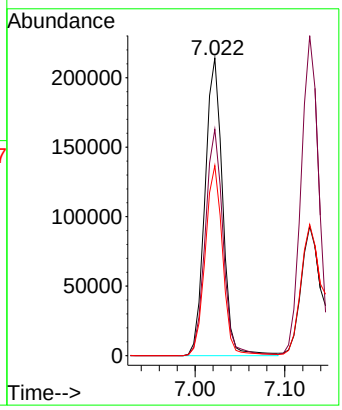
Tgt Ion: 79 Resp: 29121

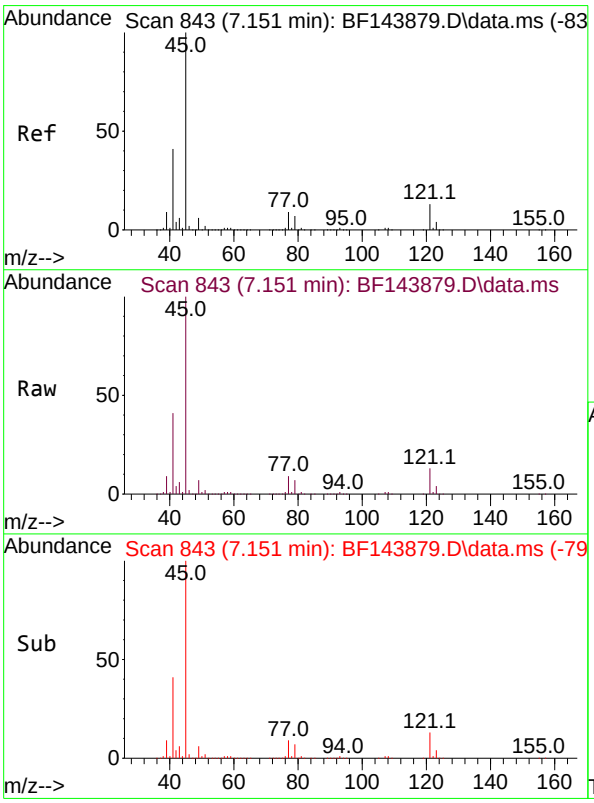
Ion	Ratio	Lower	Upper
79	100		
108	76.0	60.8	91.2
77	63.8	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

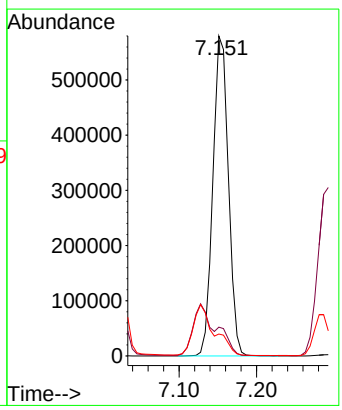


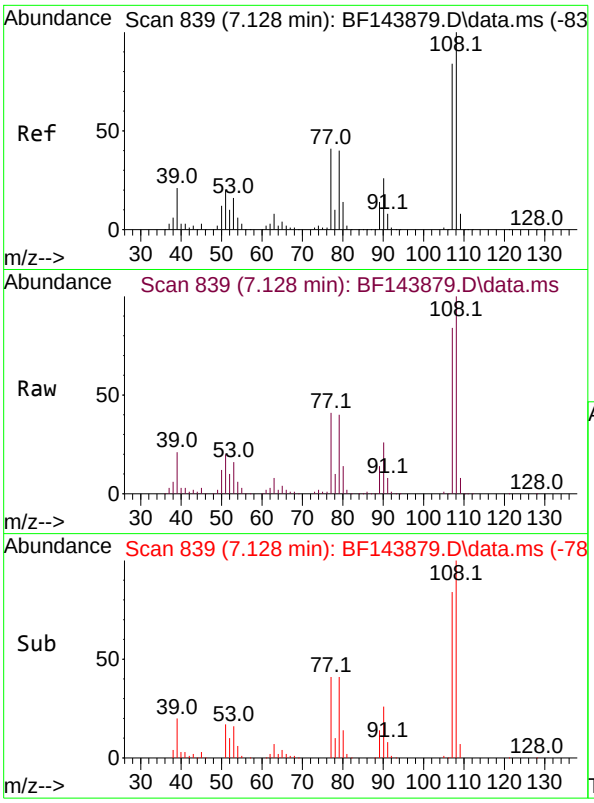


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.052 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

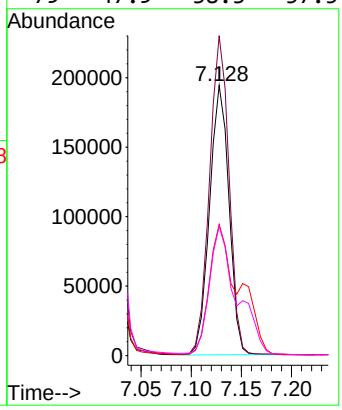




#17
2-Methylphenol
Concen: 41.430 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:107 Resp: 26166

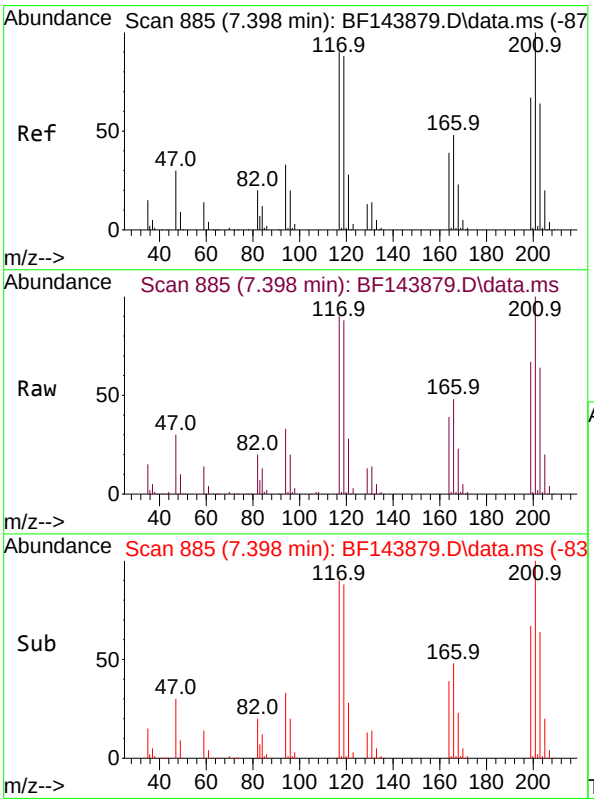
Ion	Ratio	Lower	Upper
107	100		
108	118.4	94.7	142.1
77	48.5	38.8	58.2
79	47.9	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

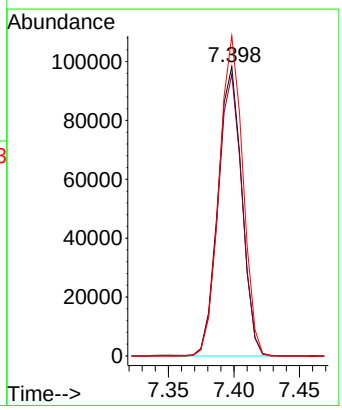
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

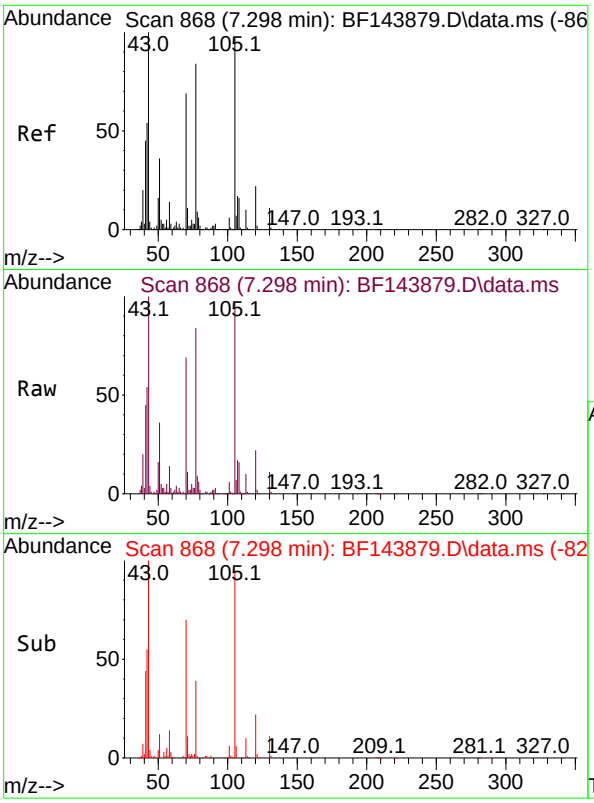


#18
Hexachloroethane
Concen: 41.313 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

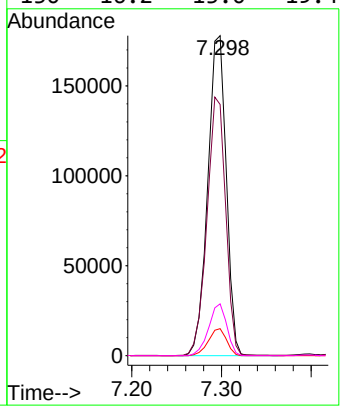




#19
n-Nitroso-di-n-propylamine
Concen: 39.929 ng
RT: 7.298 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 70 Resp: 25470

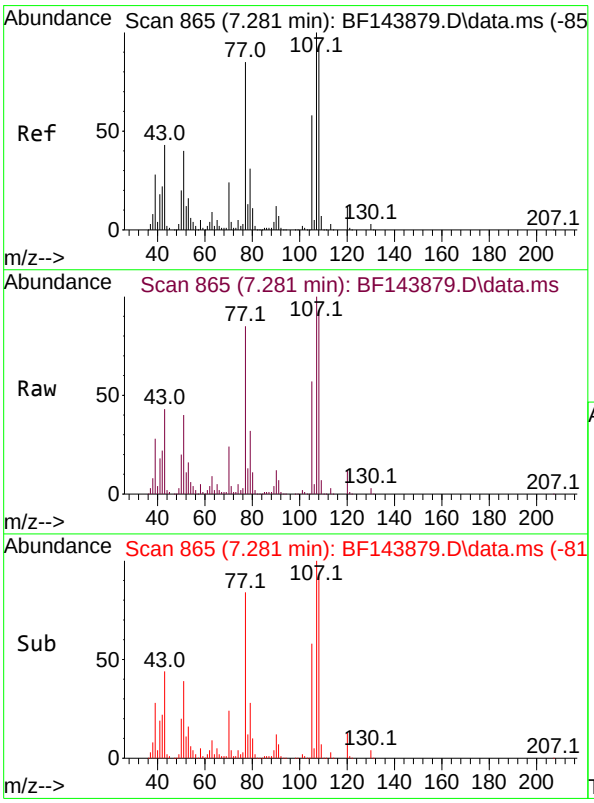
Ion	Ratio	Lower	Upper
70	100		
42	78.5	62.8	94.2
101	8.4	6.7	10.1
130	16.2	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

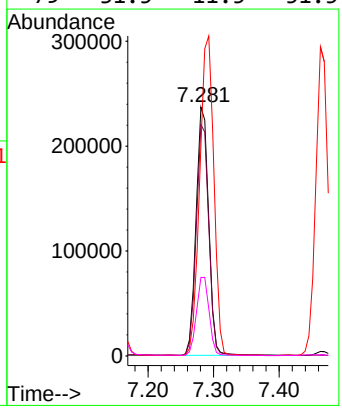
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

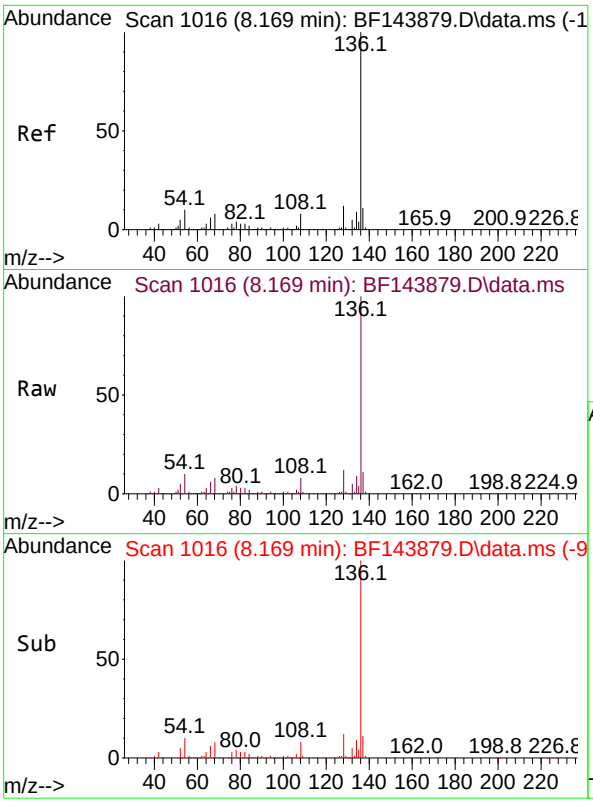


#20
3+4-Methylphenols
Concen: 42.934 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

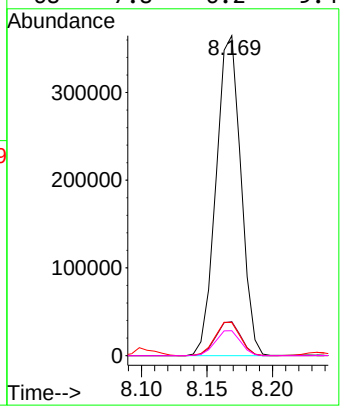




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:136 Resp: 47993

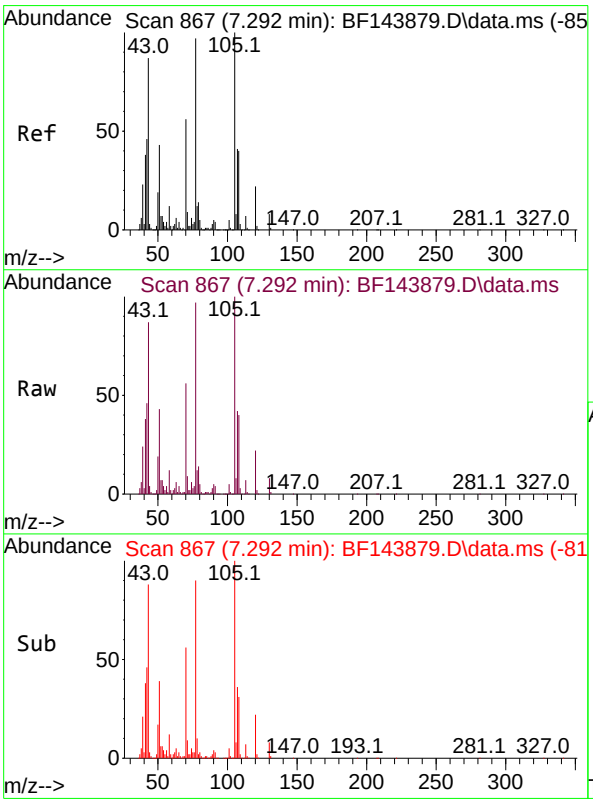
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.5	12.7
54	10.3	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

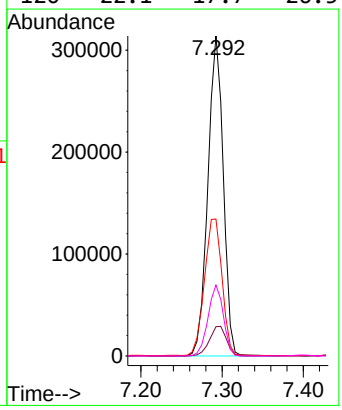
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

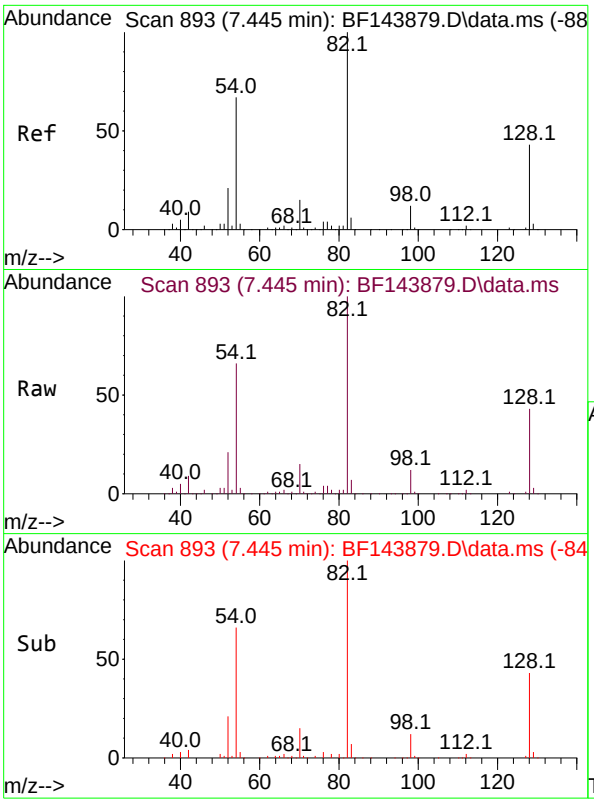


#22
Acetophenone
Concen: 40.946 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

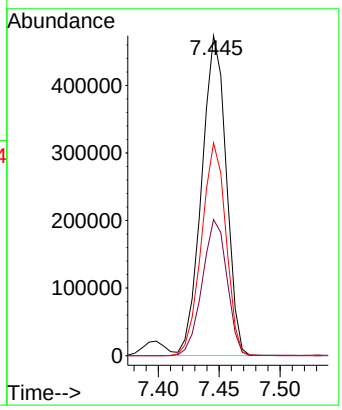




#23
Nitrobenzene-d5
Concen: 83.898 ng
RT: 7.445 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 82 Resp: 662754

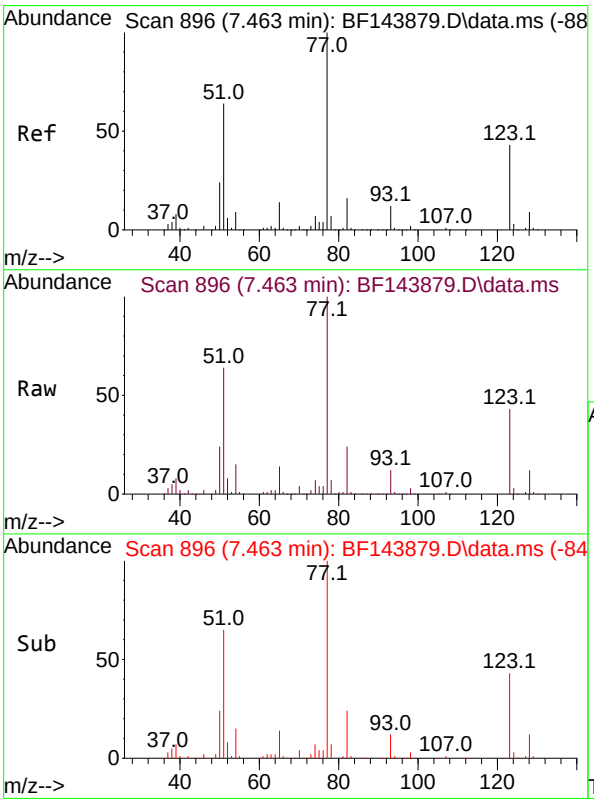
Ion	Ratio	Lower	Upper
82	100		
128	42.5	34.0	51.0
54	66.5	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

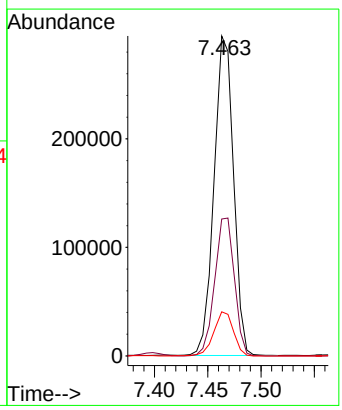
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

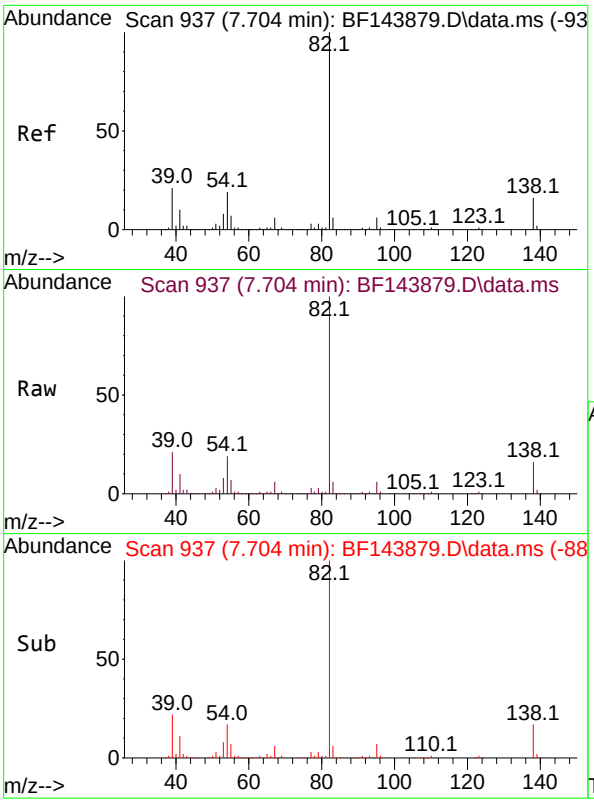


#24
Nitrobenzene
Concen: 42.828 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

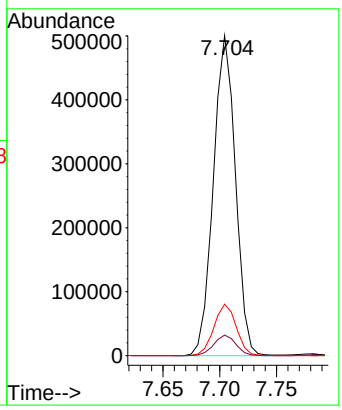




#25
Isophorone
Concen: 40.645 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 82 Resp: 67700

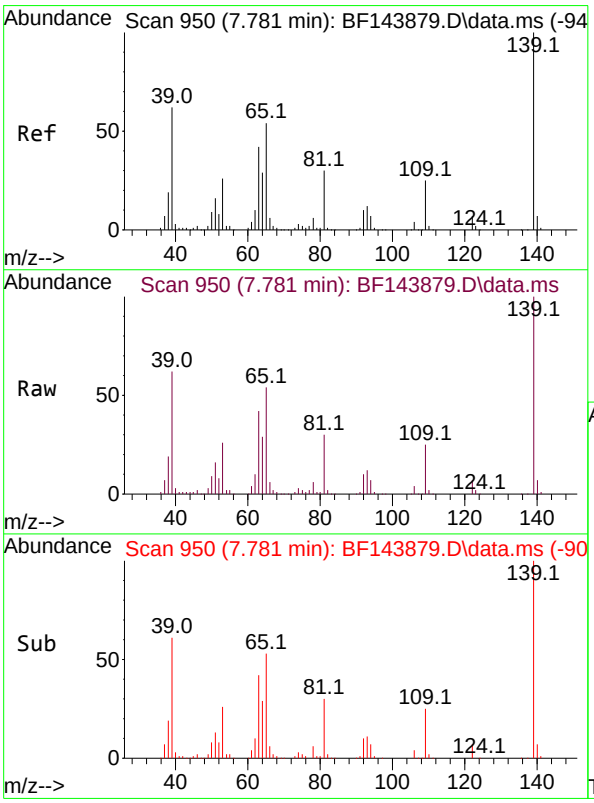
Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.1	7.7
138	16.1	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

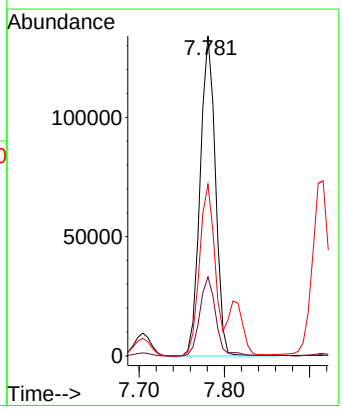
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

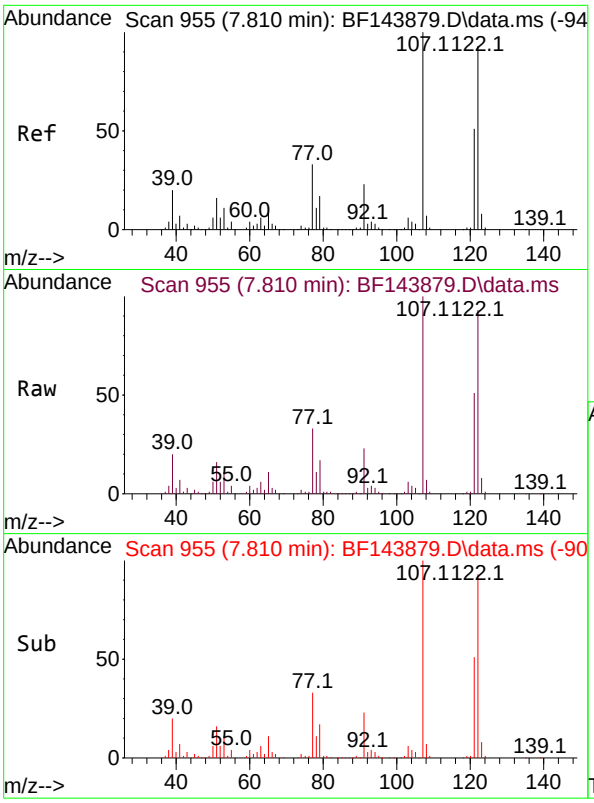


#26
2-Nitrophenol
Concen: 44.428 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

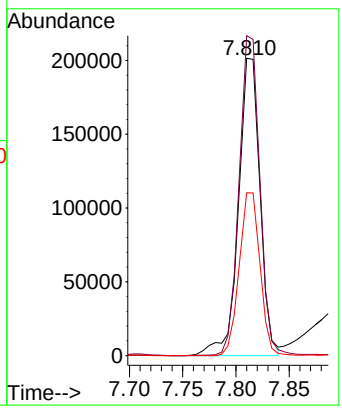




#27
2,4-Dimethylphenol
Concen: 41.818 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:122 Resp: 28292

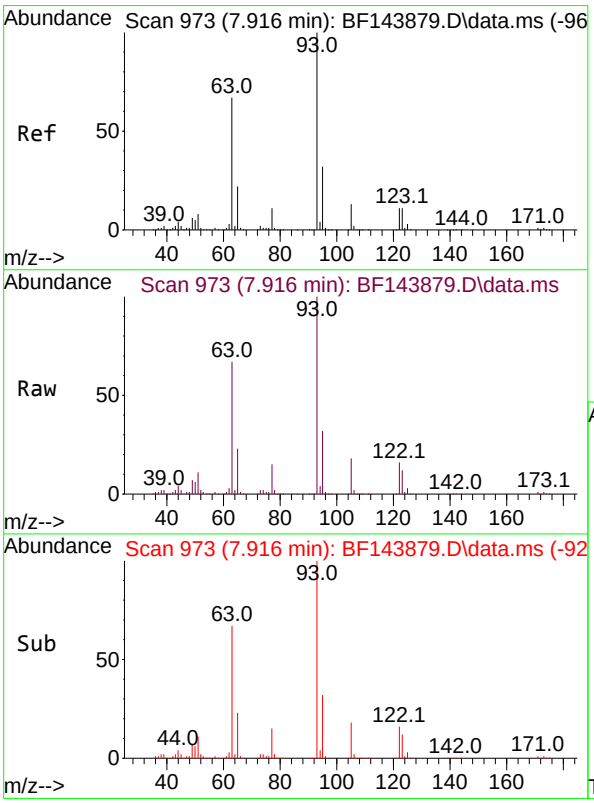
Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.1	129.1
121	54.7	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

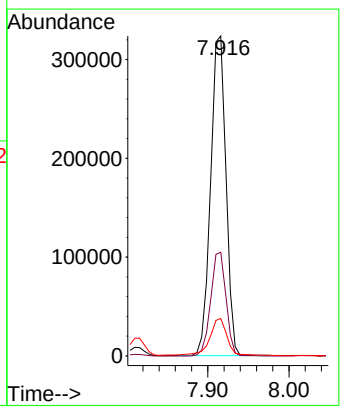
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

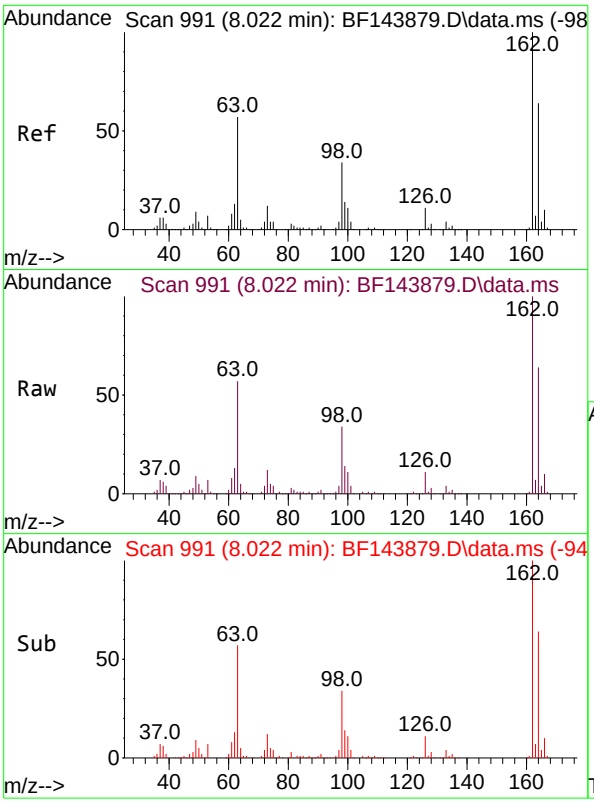


#28
bis(2-Chloroethoxy)methane
Concen: 40.486 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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# 99
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

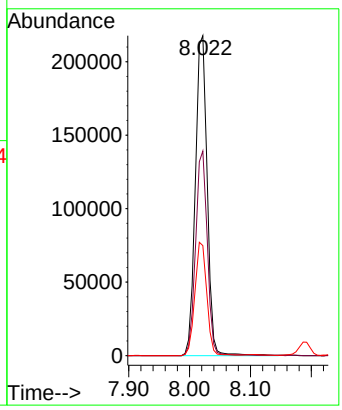
Tgt Ion:162 Resp: 29445

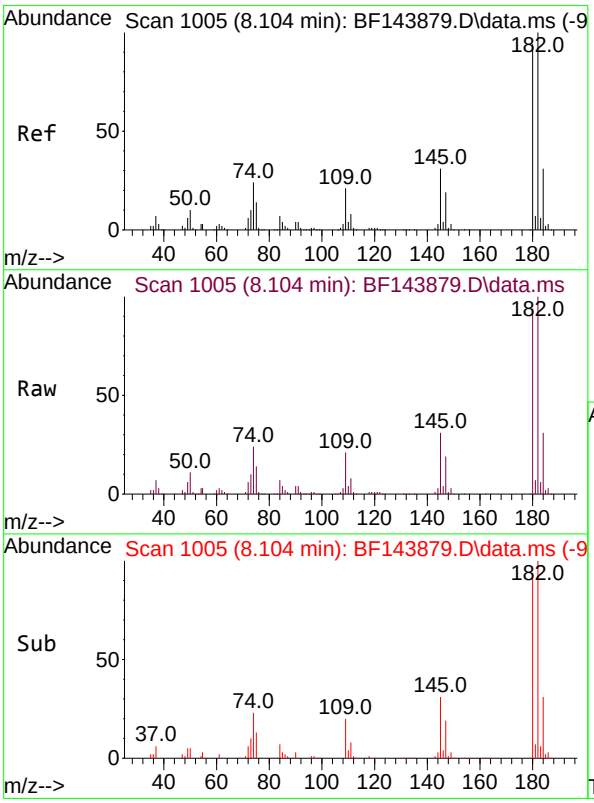
Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.9	83.9
98	34.4	14.4	54.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

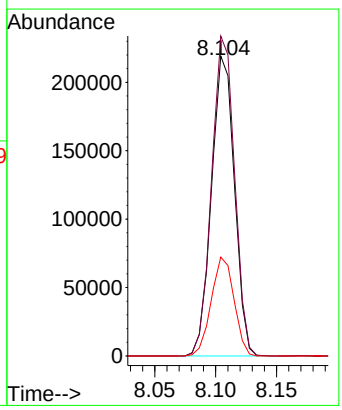


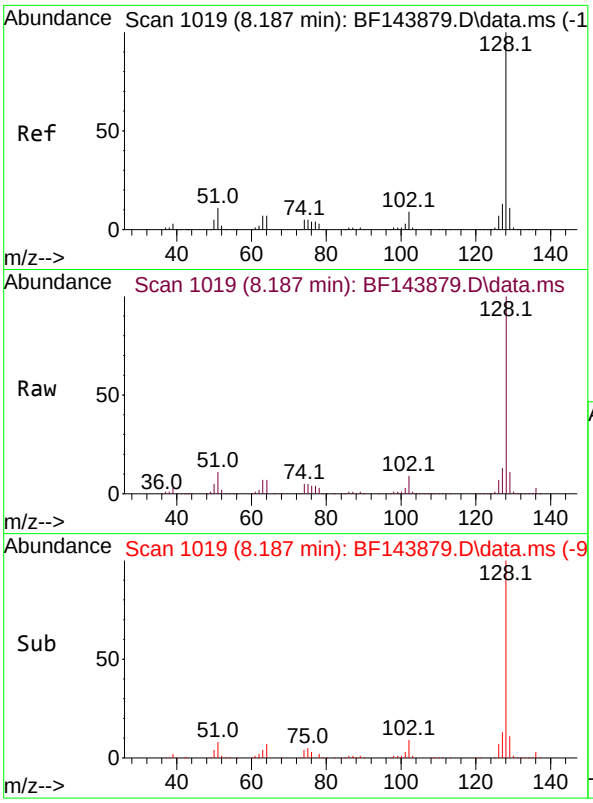


#30
1,2,4-Trichlorobenzene
Concen: 41.312 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

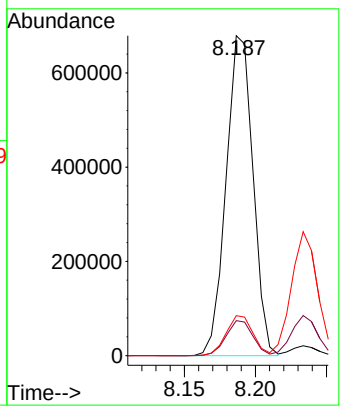




#31
Naphthalene
Concen: 40.961 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:128 Resp: 89426

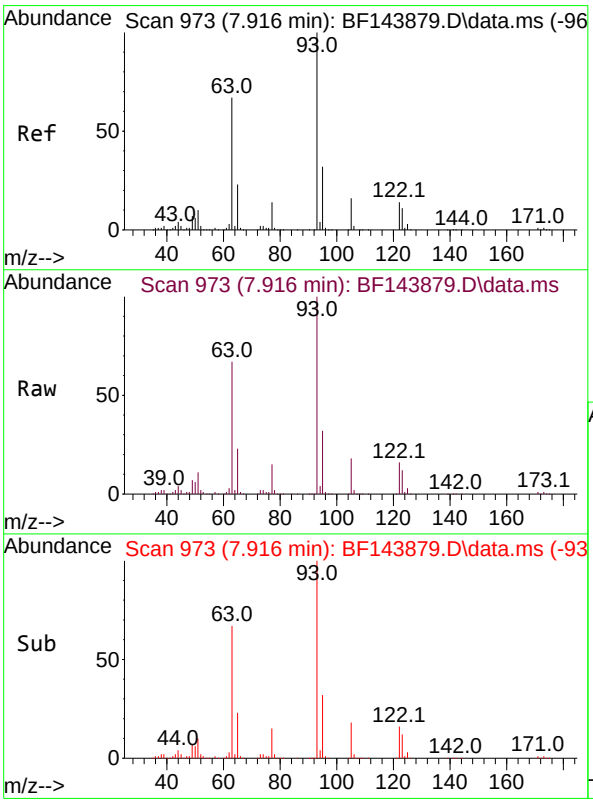
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.5	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

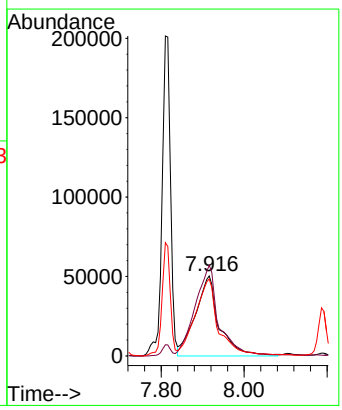
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

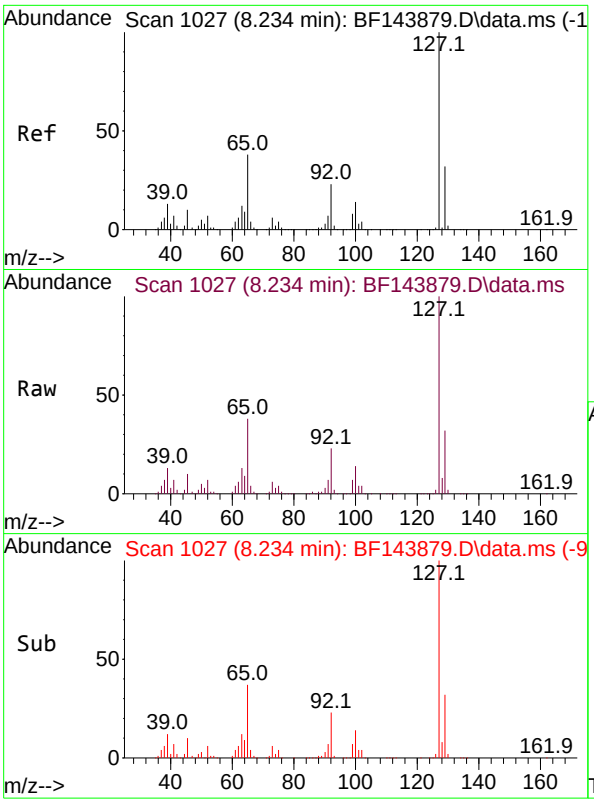


#32
Benzoic acid
Concen: 42.630 ng m
RT: 7.916 min Scan# 973
Delta R.T. -0.047 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

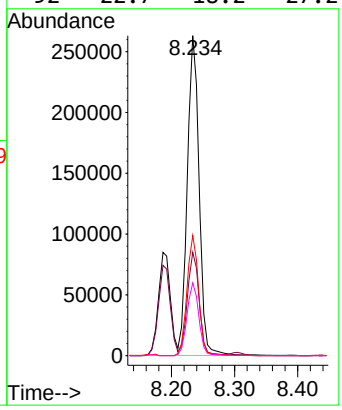




#33
4-Chloroaniline
Concen: 41.630 ng
RT: 8.234 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:127 Resp: 34086

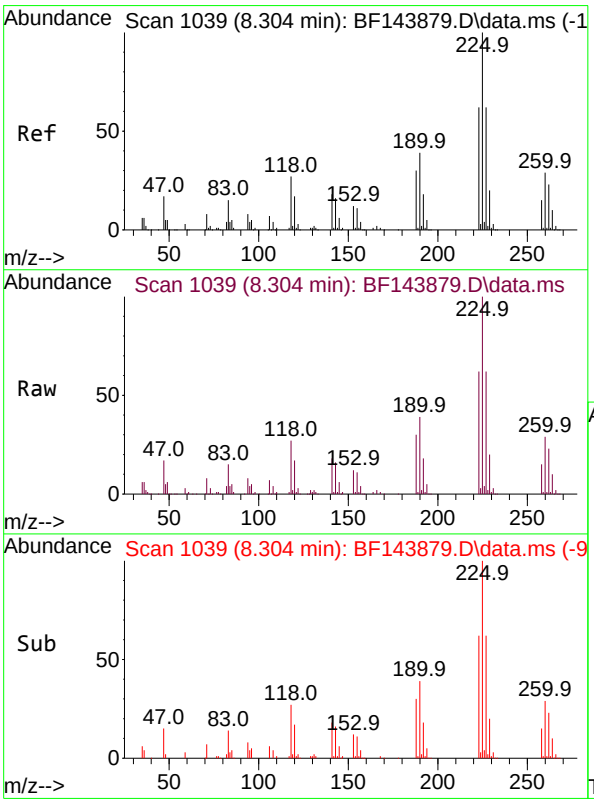
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	37.5	30.0	45.0
92	22.7	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

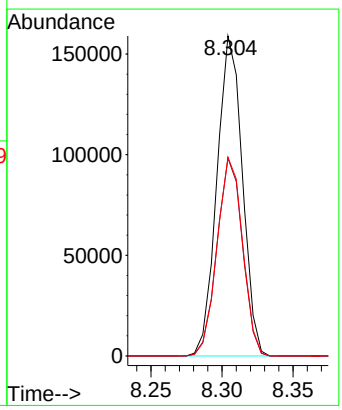
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

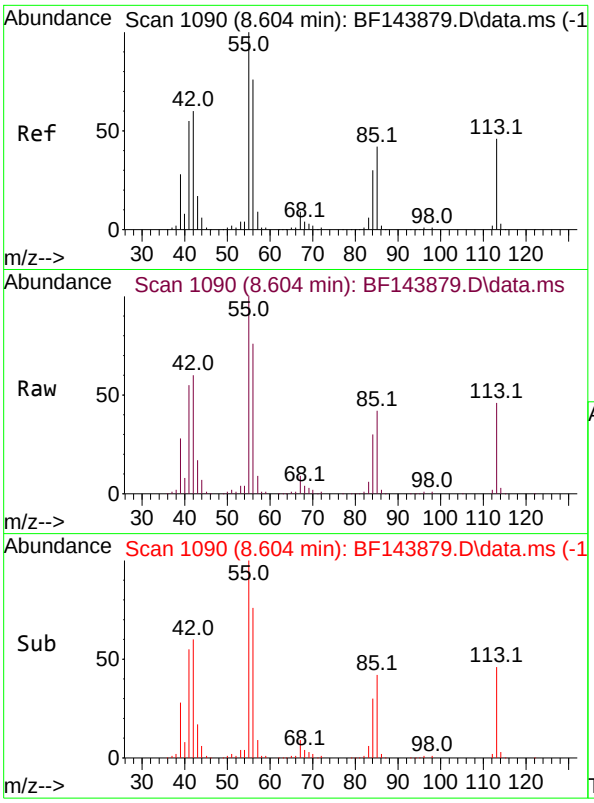


#34
Hexachlorobutadiene
Concen: 41.170 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

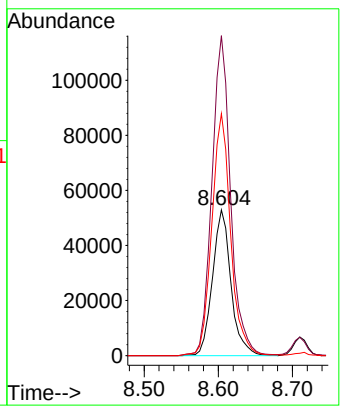




#35
Caprolactam
Concen: 40.816 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:113 Resp: 9145

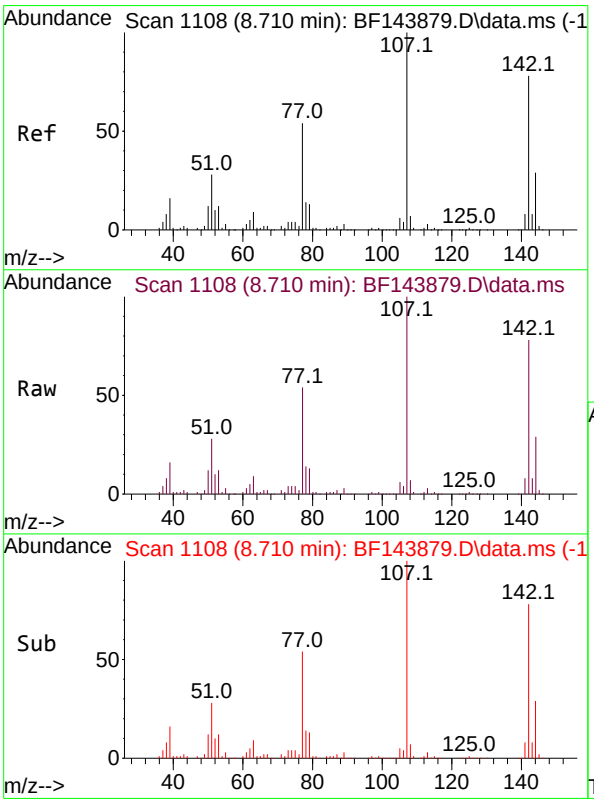
Ion	Ratio	Lower	Upper
113	100		
55	219.6	199.6	239.6
56	166.0	146.0	186.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

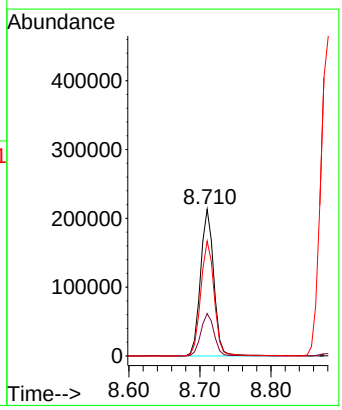
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

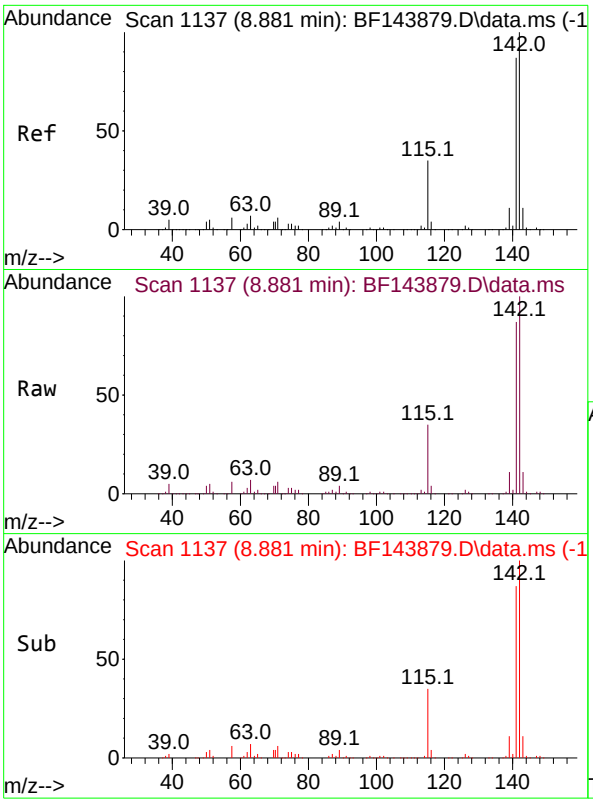


#36
4-Chloro-3-methylphenol
Concen: 40.758 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

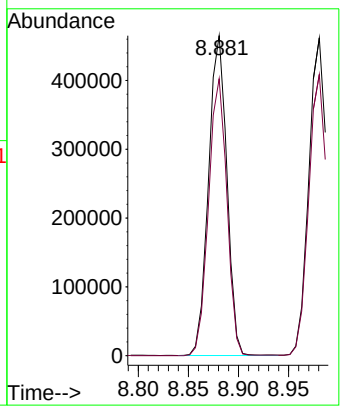




#37
2-Methylnaphthalene
Concen: 40.669 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:142 Resp: 59142

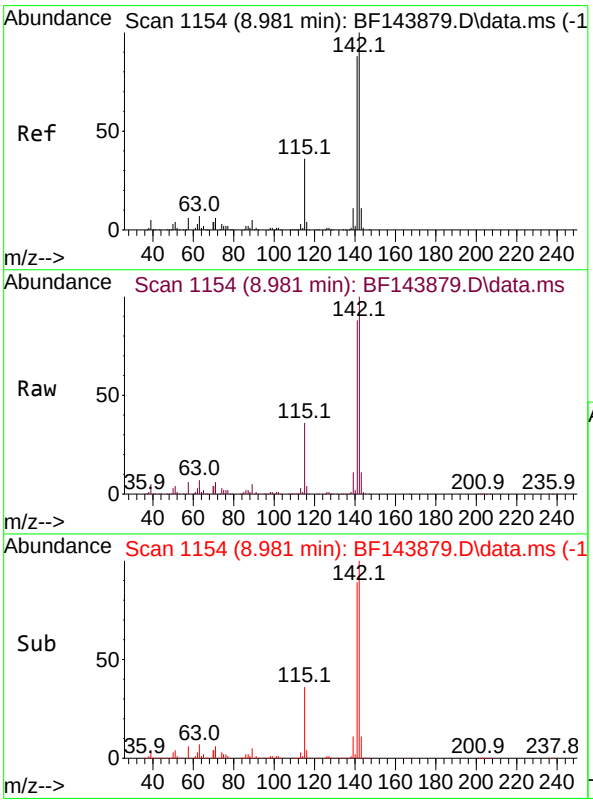
Ion	Ratio	Lower	Upper
142	100		
141	86.5	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

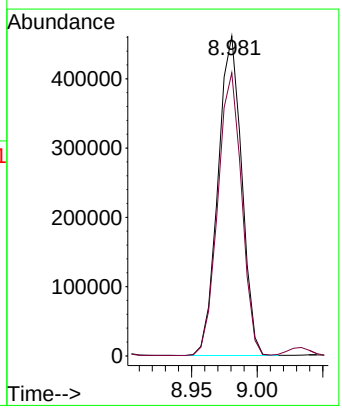
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

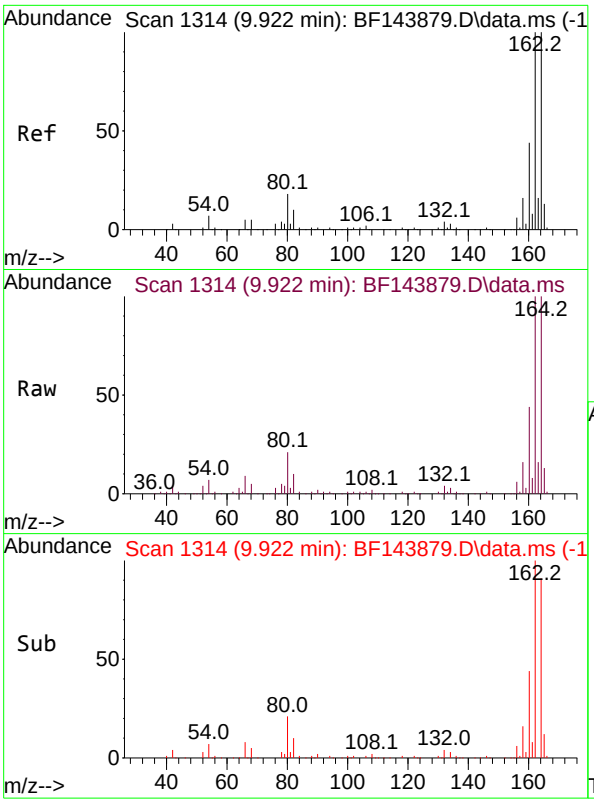


#38
1-Methylnaphthalene
Concen: 41.196 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:142 Resp: 581114

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.8	106.2

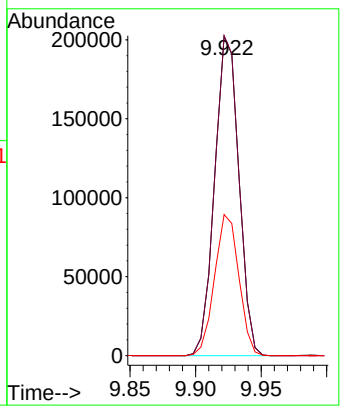




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:164 Resp: 26002

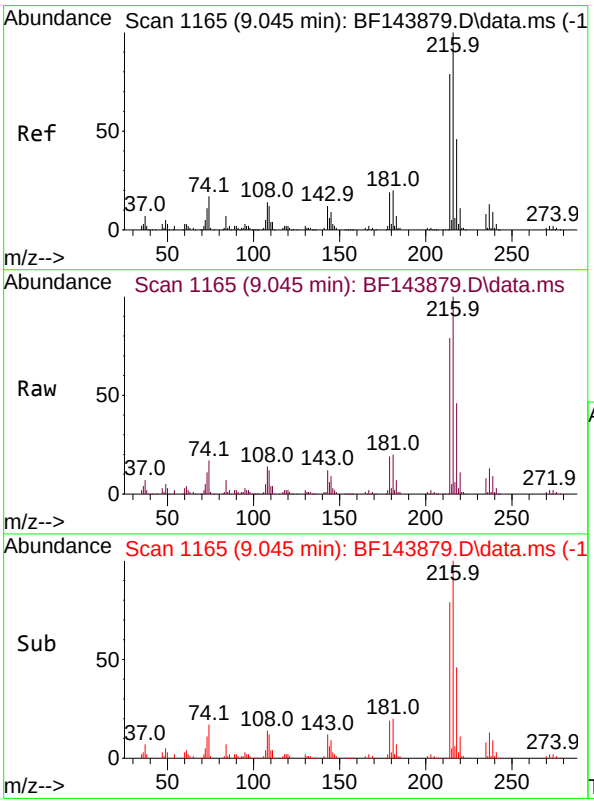
Ion	Ratio	Lower	Upper
164	100		
162	100.2	80.2	120.2
160	44.2	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

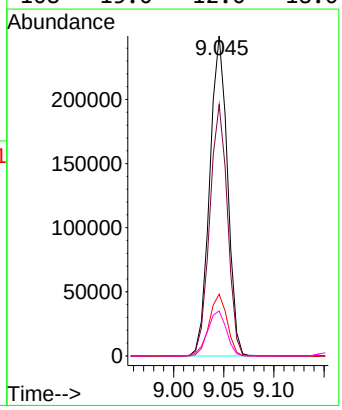
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

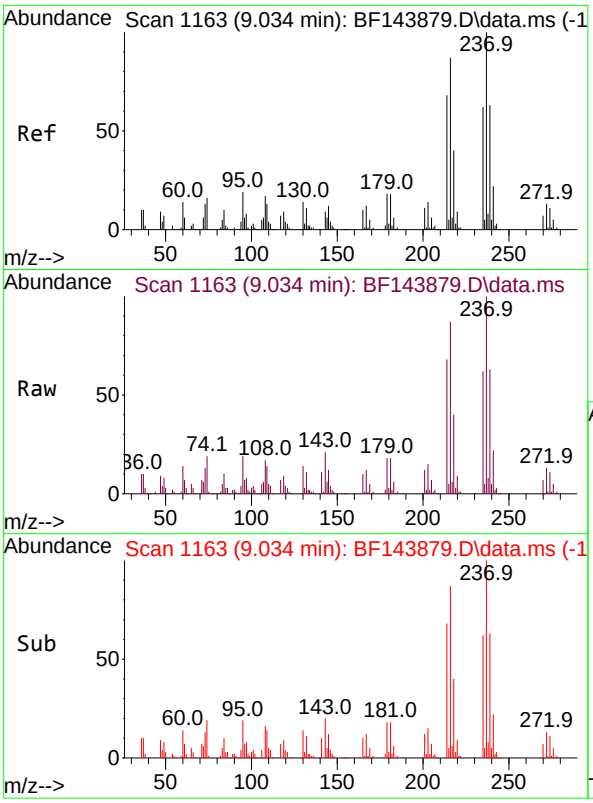


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.665 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

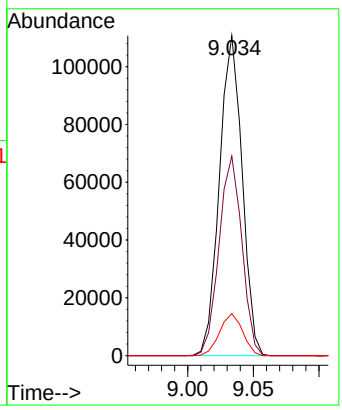




#41
Hexachlorocyclopentadiene
Concen: 44.842 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:237 Resp: 133694

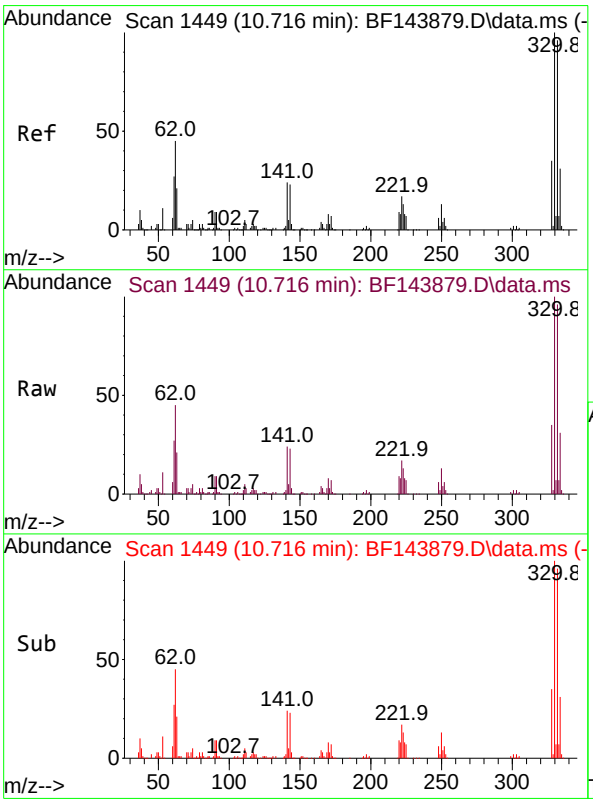
Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.3	82.3
272	13.1	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

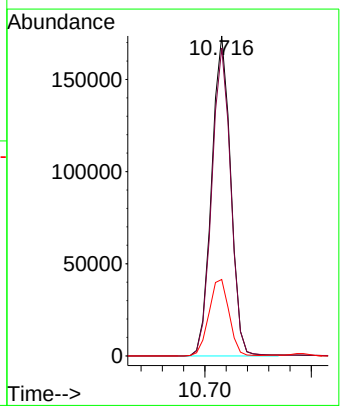
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

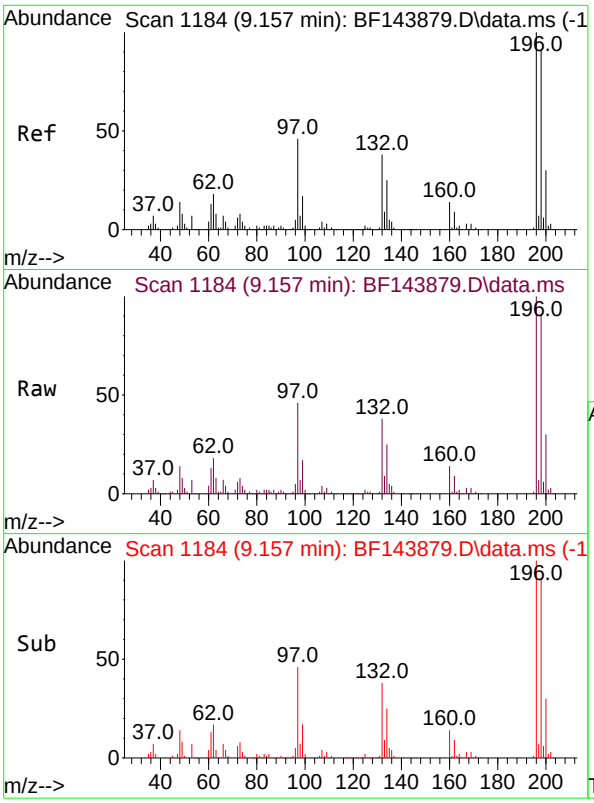


#42
2,4,6-Tribromophenol
Concen: 83.200 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

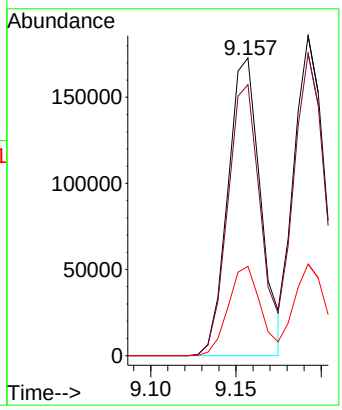




#43
2,4,6-Trichlorophenol
Concen: 44.081 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:196 Resp: 23146

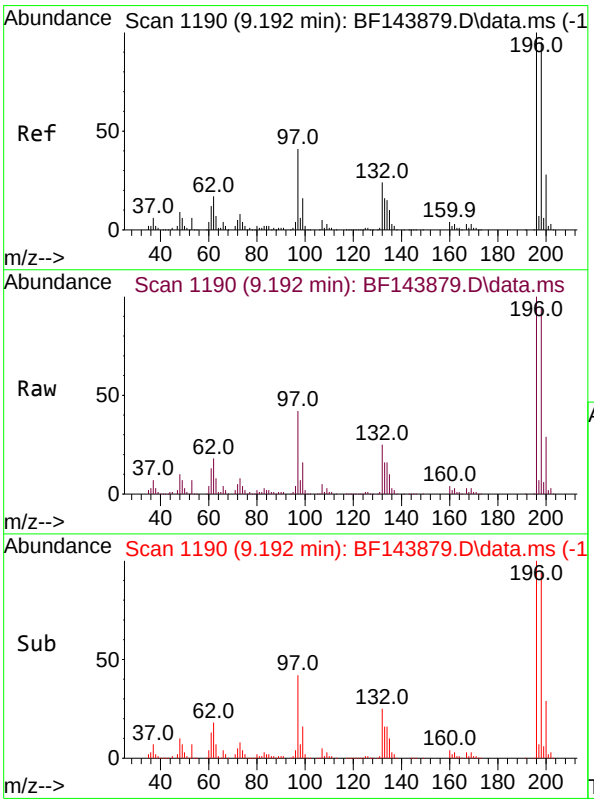
Ion	Ratio	Lower	Upper
196	100		
198	91.0	72.8	109.2
200	30.0	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

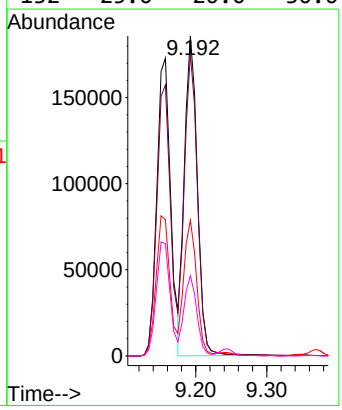
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

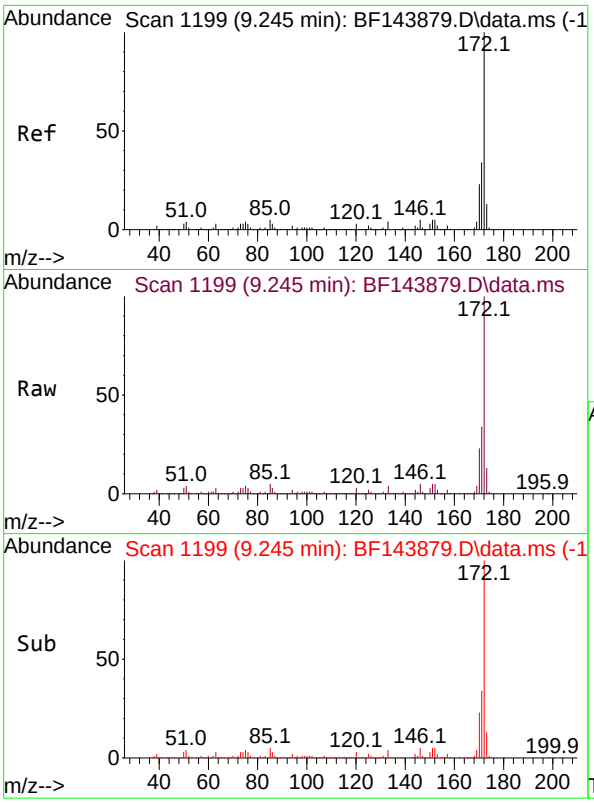


#44
2,4,5-Trichlorophenol
Concen: 42.739 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

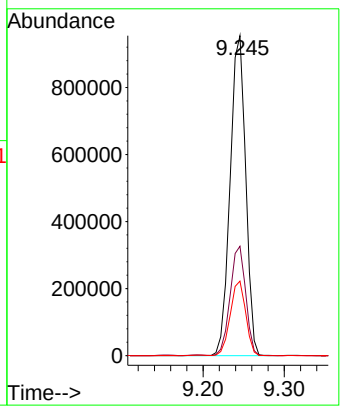




#45
2-Fluorobiphenyl
Concen: 77.695 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:172 Resp: 127321

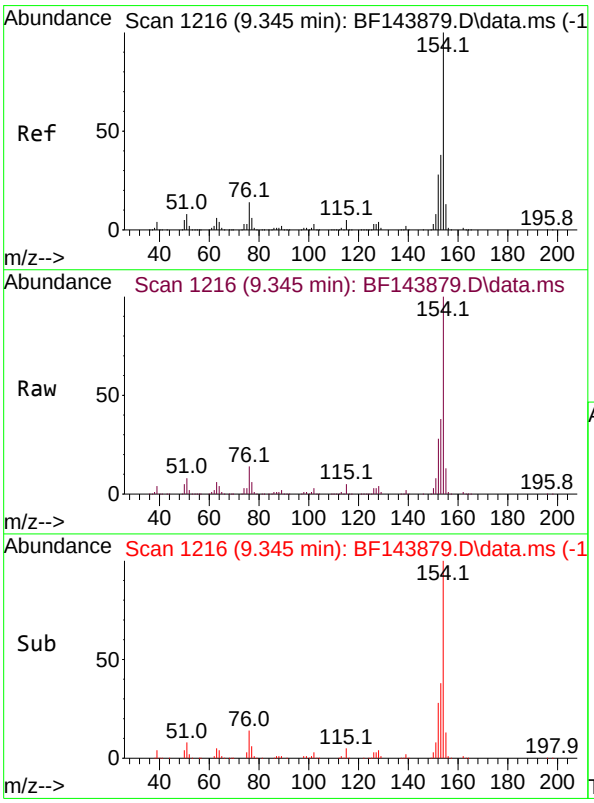
Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.4	41.0
170	23.3	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

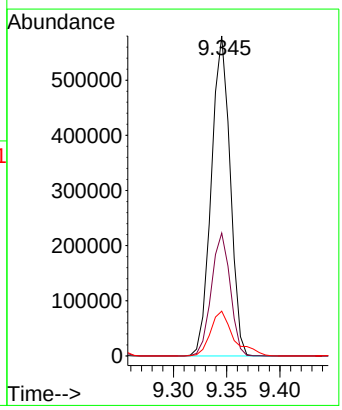
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

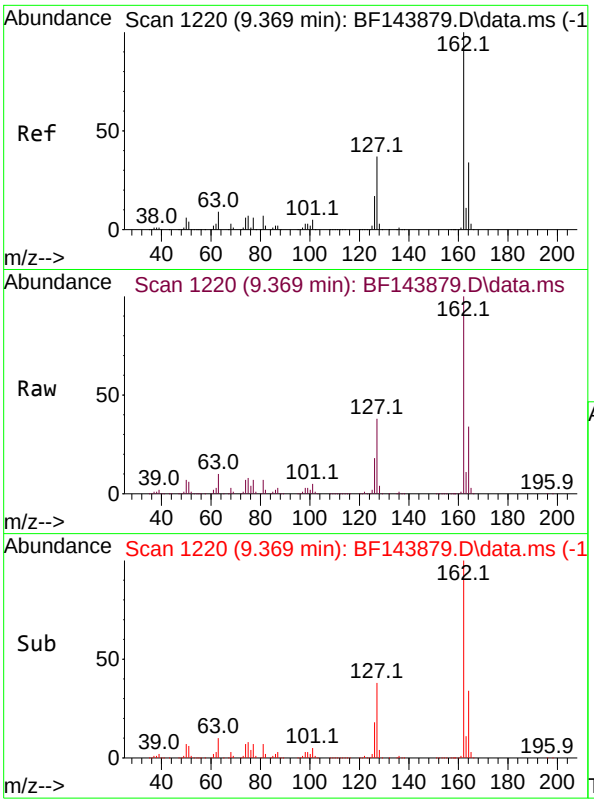


#46
1,1'-Biphenyl
Concen: 41.490 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

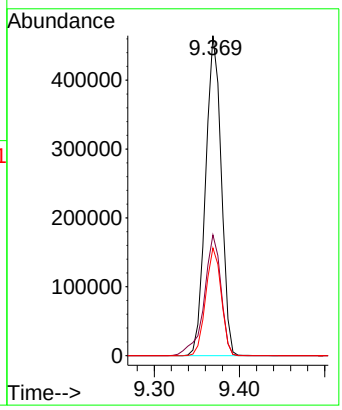




#47
2-Chloronaphthalene
Concen: 41.204 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:162 Resp: 59144

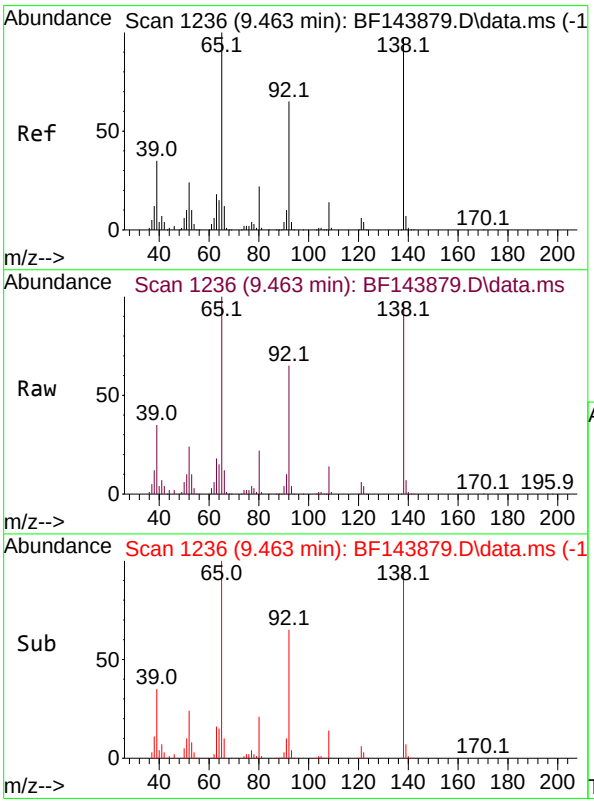
Ion	Ratio	Lower	Upper
162	100		
127	37.7	30.2	45.2
164	33.6	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

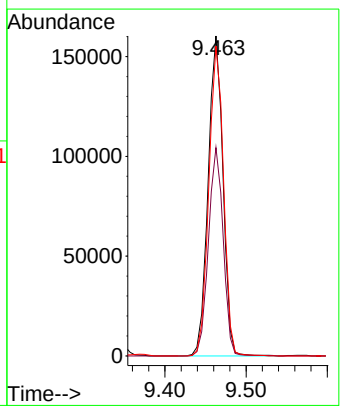
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

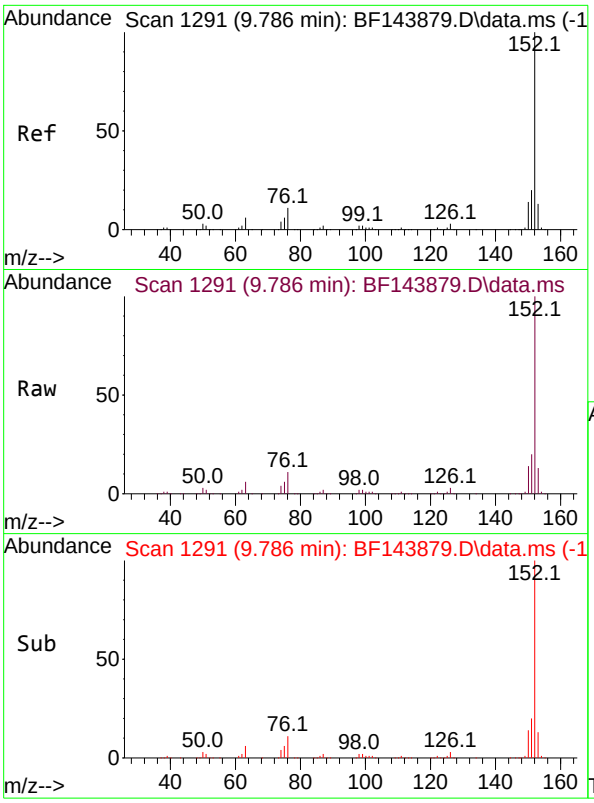


#48
2-Nitroaniline
Concen: 44.894 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

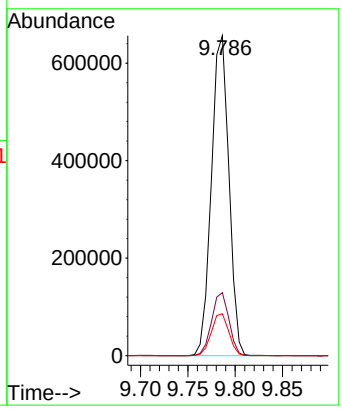




#49
Acenaphthylene
Concen: 41.828 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:152 Resp: 84406

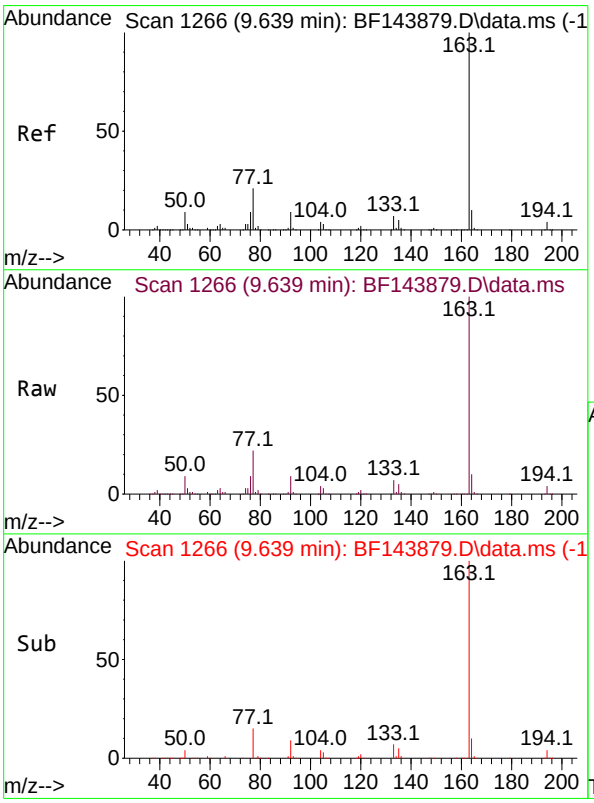
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

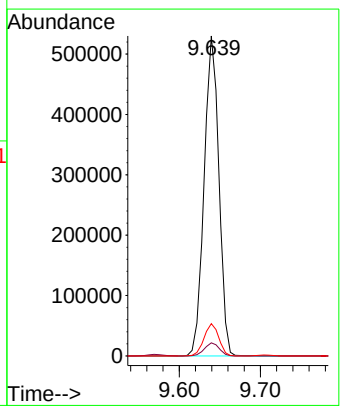
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

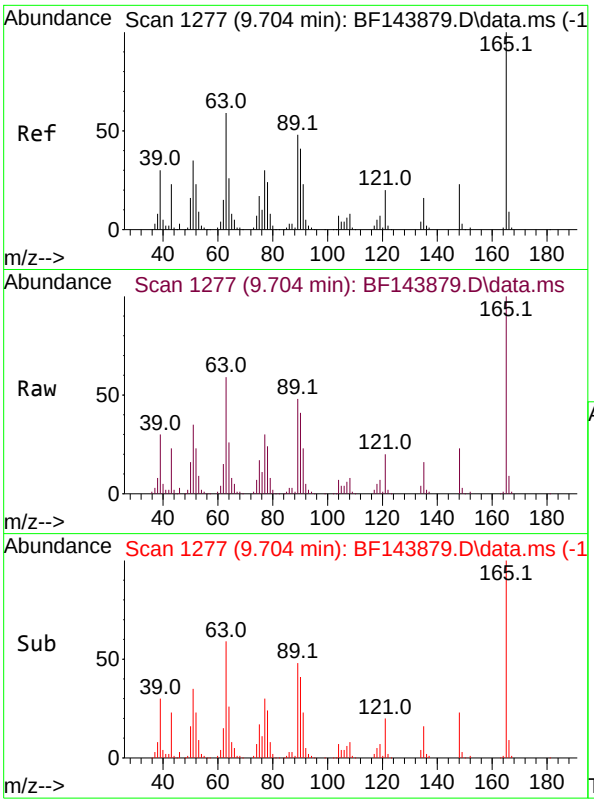


#50
Dimethylphthalate
Concen: 40.653 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

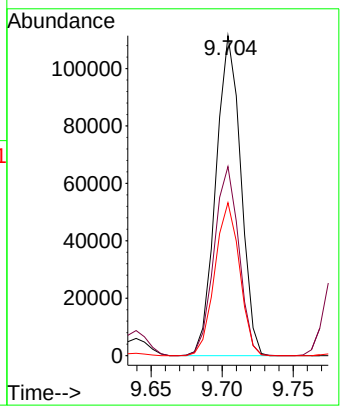




#51
2,6-Dinitrotoluene
Concen: 44.481 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:165 Resp: 13619

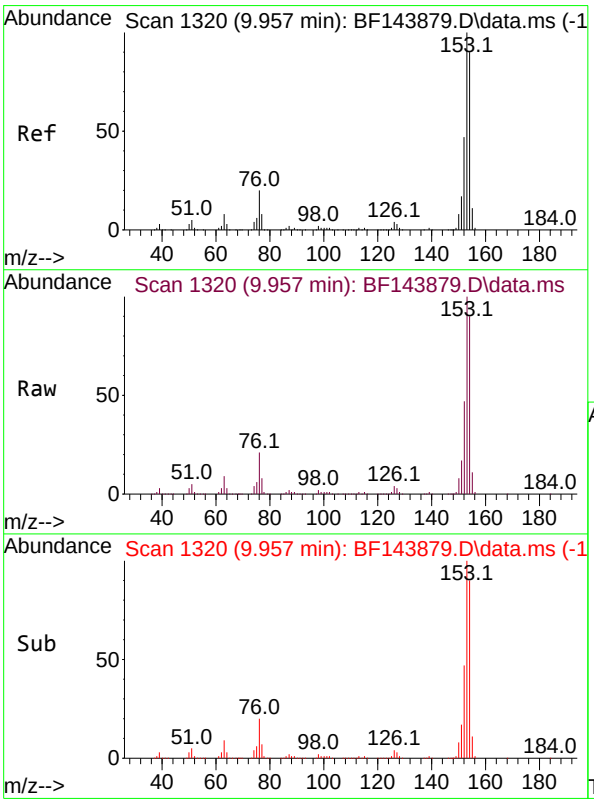
Ion	Ratio	Lower	Upper
165	100		
63	59.1	47.3	70.9
89	47.8	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

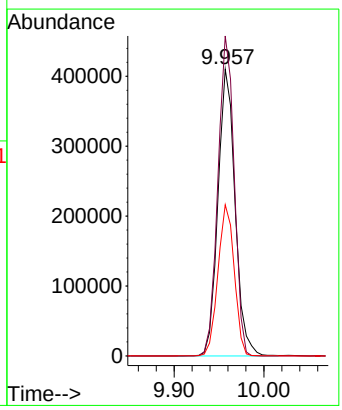
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

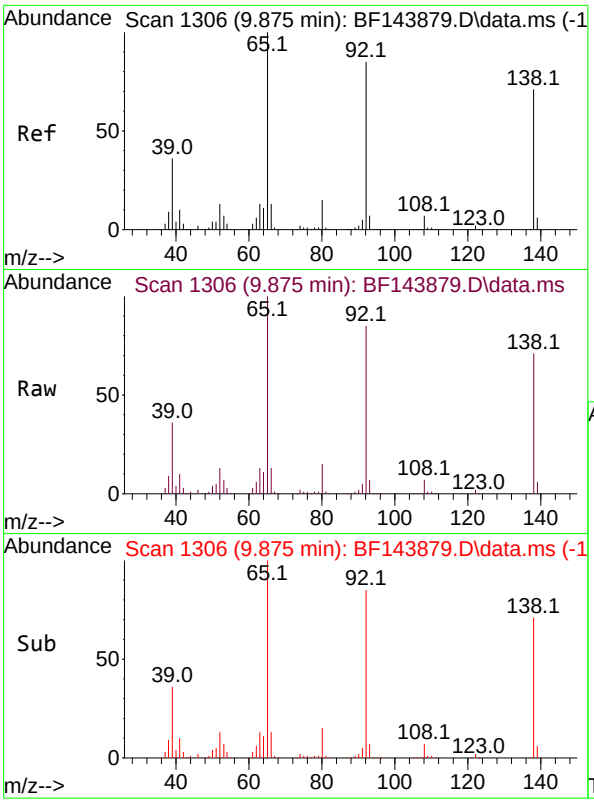


#52
Acenaphthene
Concen: 41.390 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

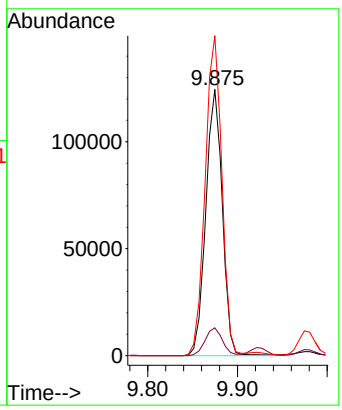
Tgt Ion:138 Resp: 15936

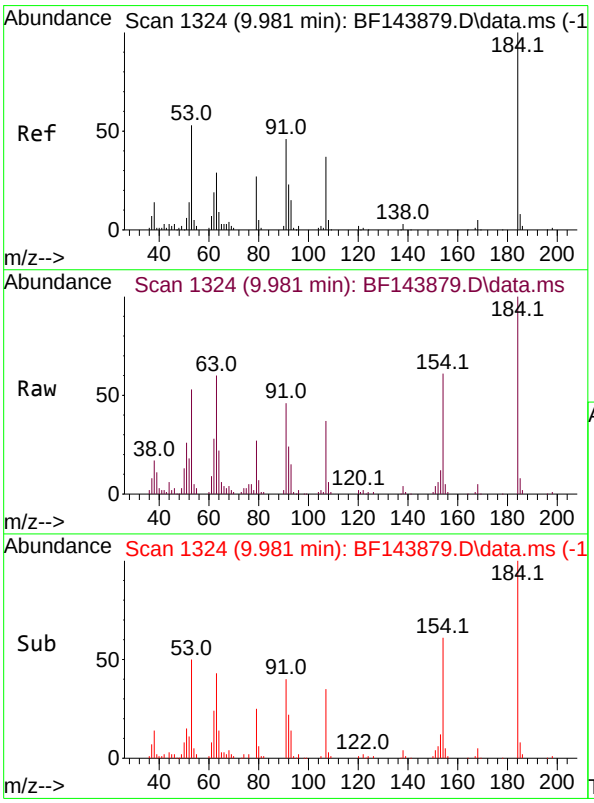
Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	120.2	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

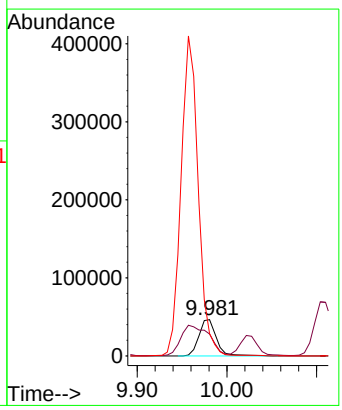


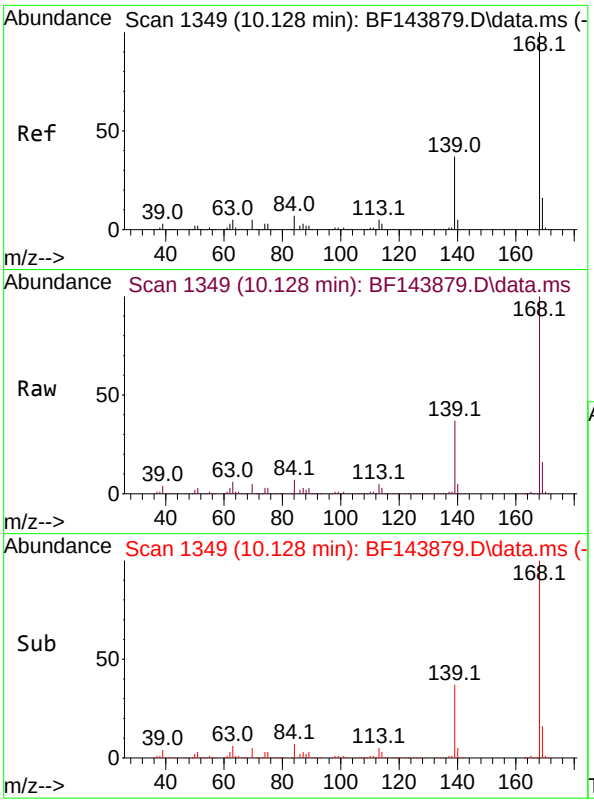


#54
2,4-Dinitrophenol
Concen: 37.010 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

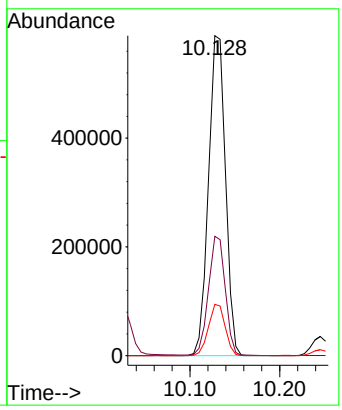




#55
Dibenzofuran
Concen: 41.625 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:168 Resp: 77695

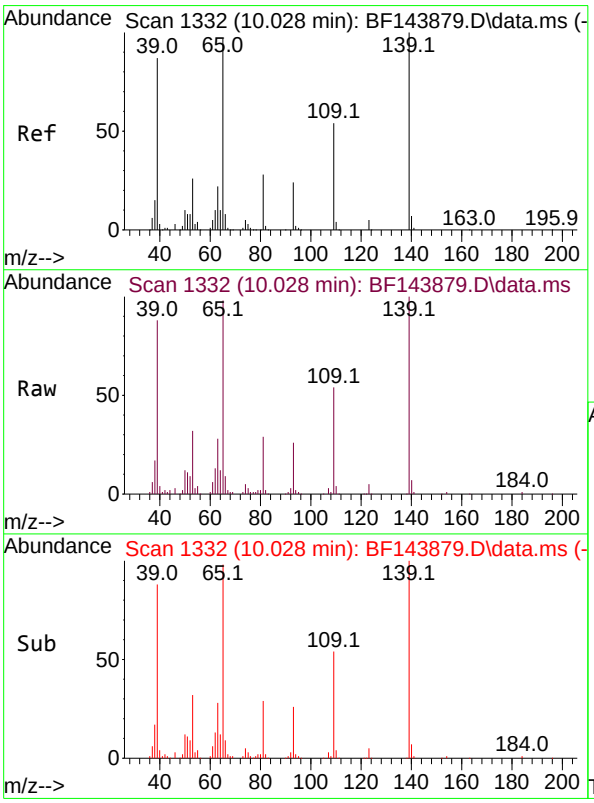
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.8
169	16.0	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

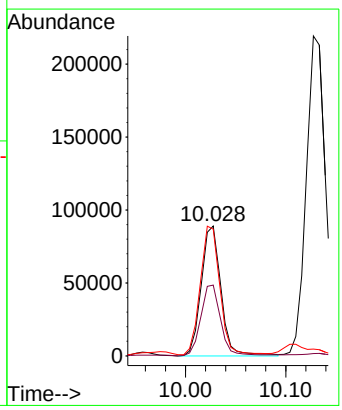
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

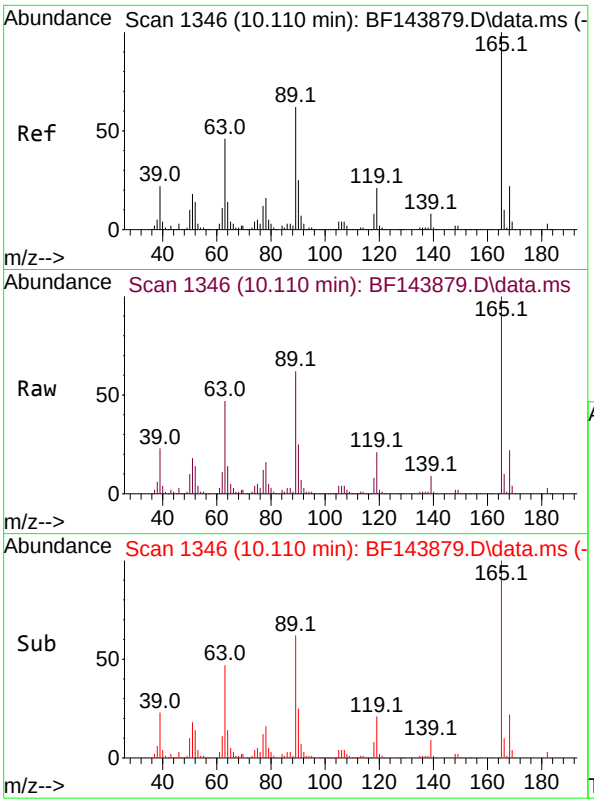


#56
4-Nitrophenol
Concen: 42.807 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.011 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

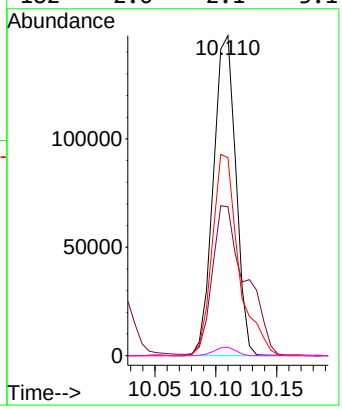




#57
2,4-Dinitrotoluene
Concen: 45.597 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:165 Resp: 18996

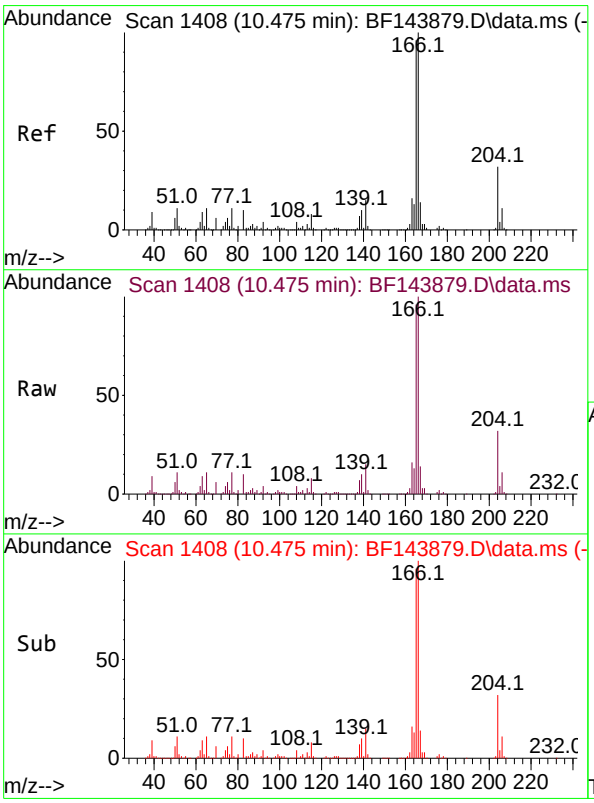
Ion	Ratio	Lower	Upper
165	100		
63	46.5	37.2	55.8
89	61.8	49.4	74.2
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

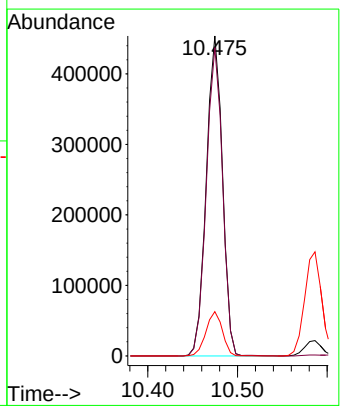
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

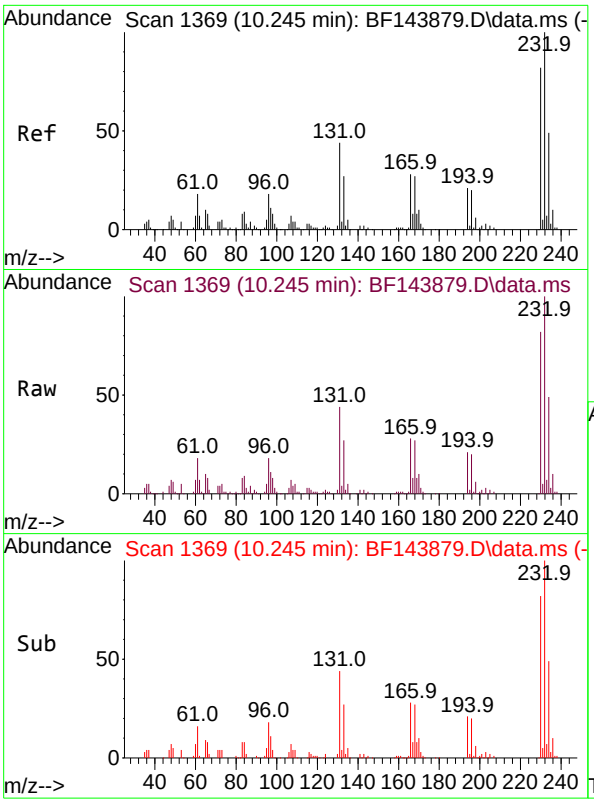


#58
Fluorene
Concen: 40.506 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

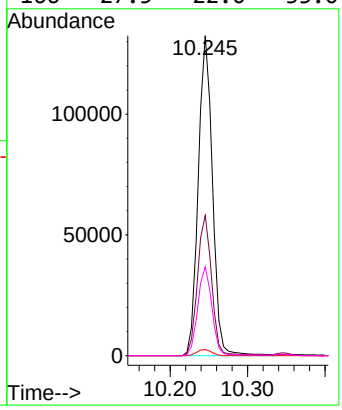




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.006 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:232 Resp: 16893

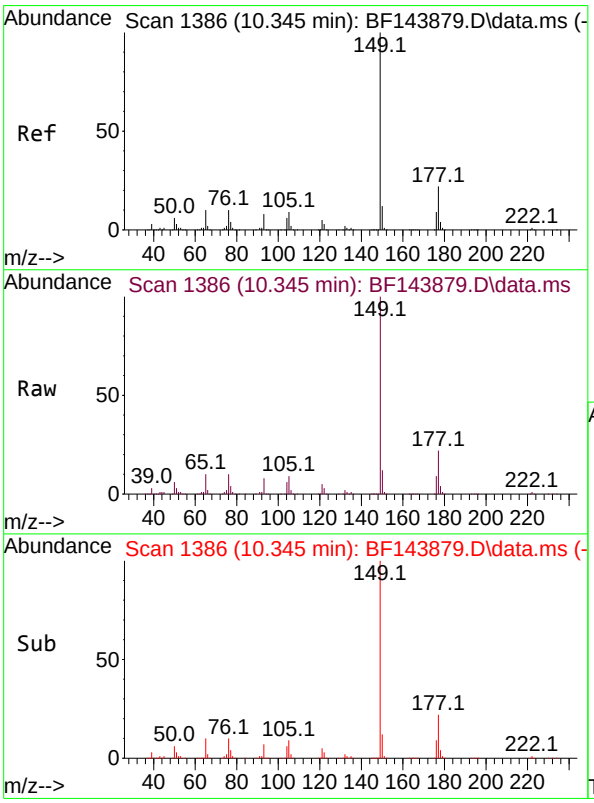
Ion	Ratio	Lower	Upper
232	100		
131	43.6	34.9	52.3
130	2.0	1.6	2.4
166	27.5	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

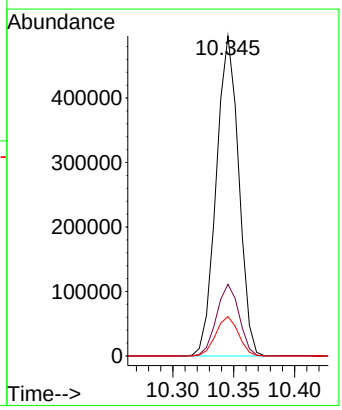
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

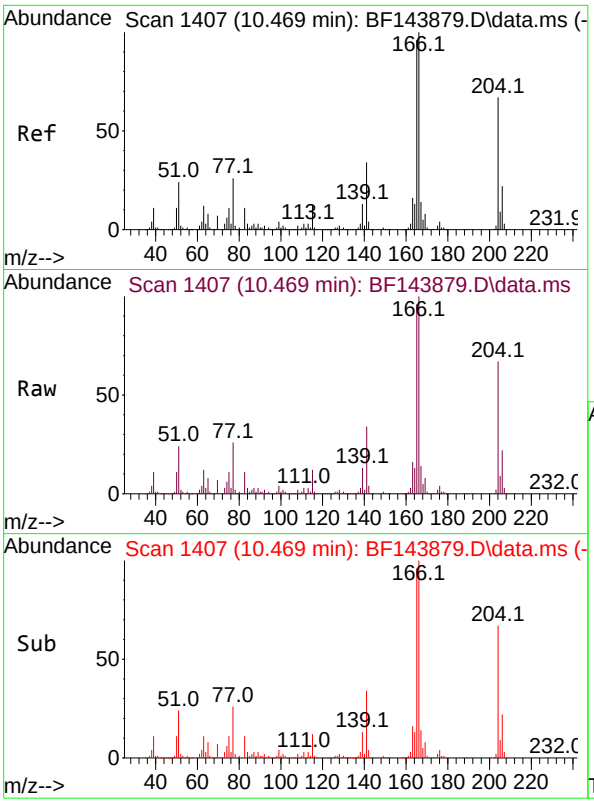


#60
Diethylphthalate
Concen: 41.422 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

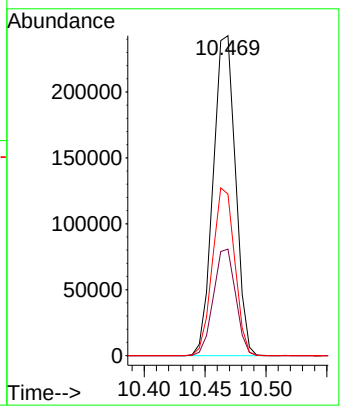




#61
4-Chlorophenyl-phenylether
Concen: 41.632 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:204 Resp: 31000

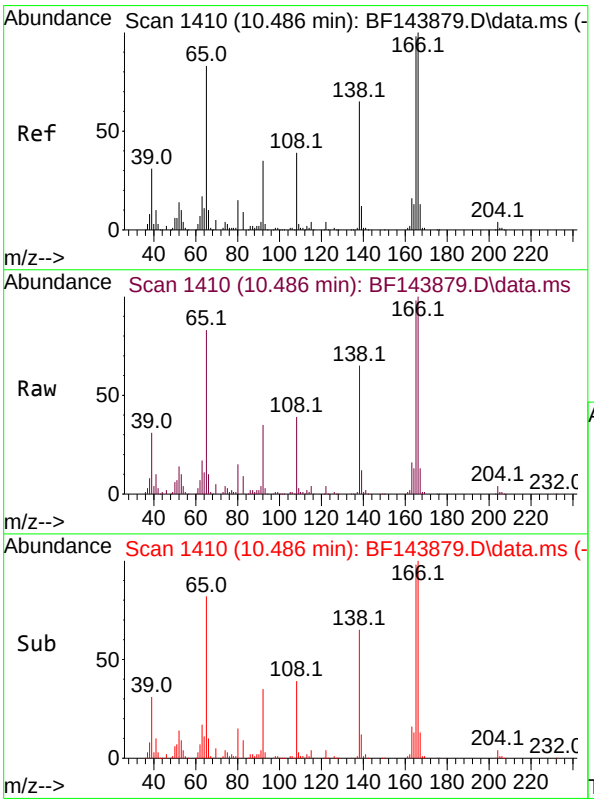
Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.6	40.0
141	50.5	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

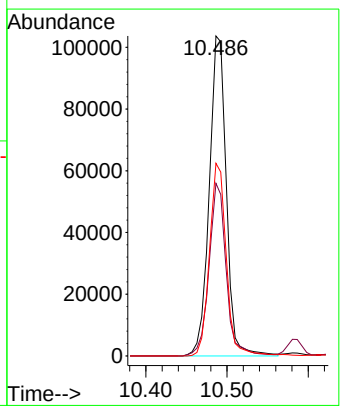
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

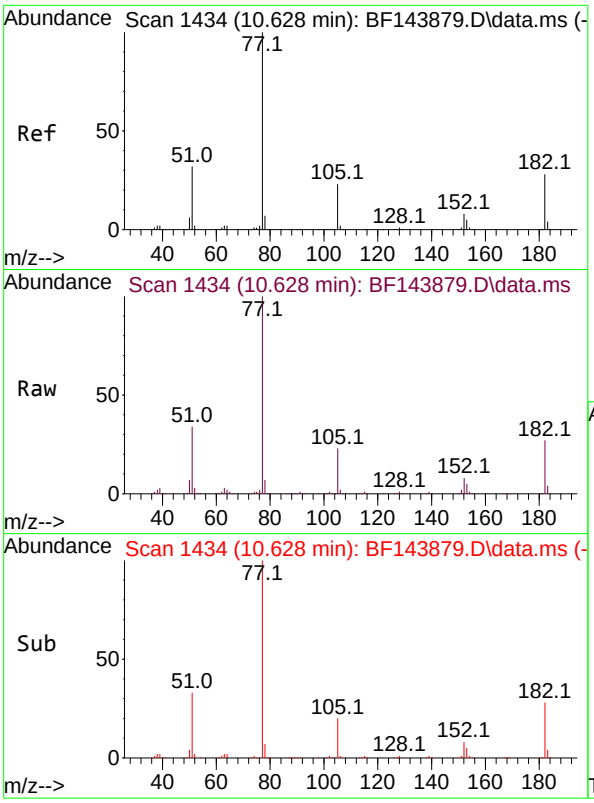


#62
4-Nitroaniline
Concen: 42.123 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

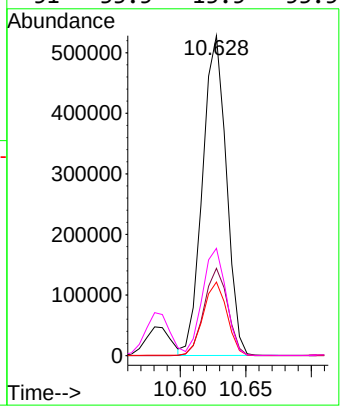




#63
Azobenzene
Concen: 41.521 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion: 77 Resp: 66569

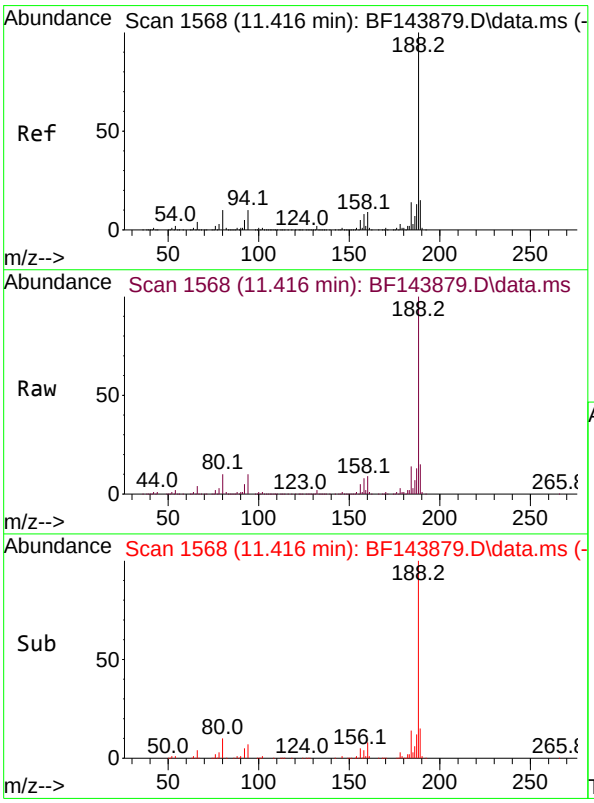
Ion	Ratio	Lower	Upper
77	100		
182	27.3	7.3	47.3
105	23.0	3.0	43.0
51	33.5	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

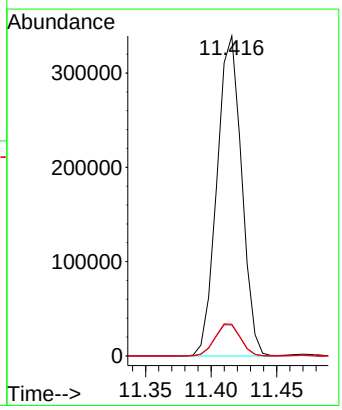
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

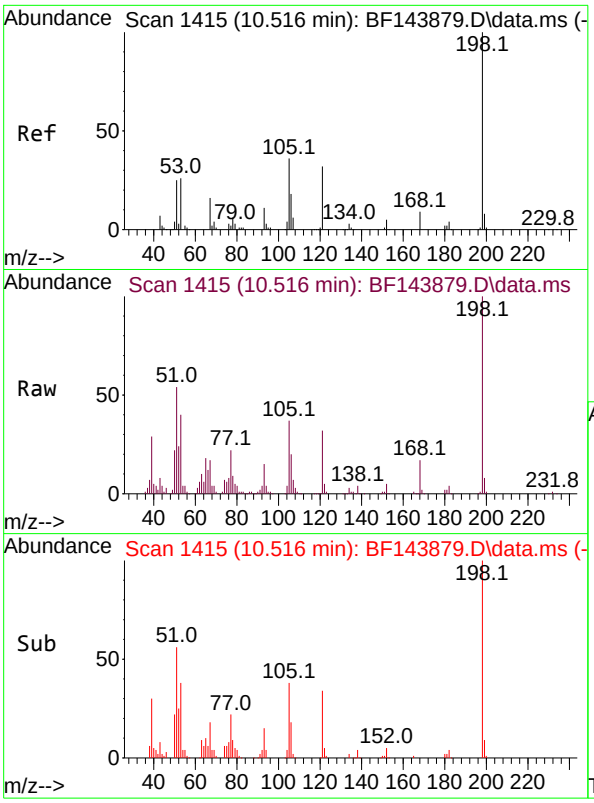


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

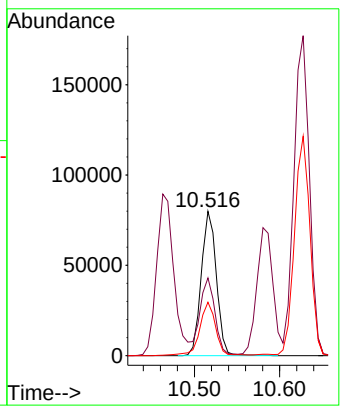




#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:198 Resp: 9855

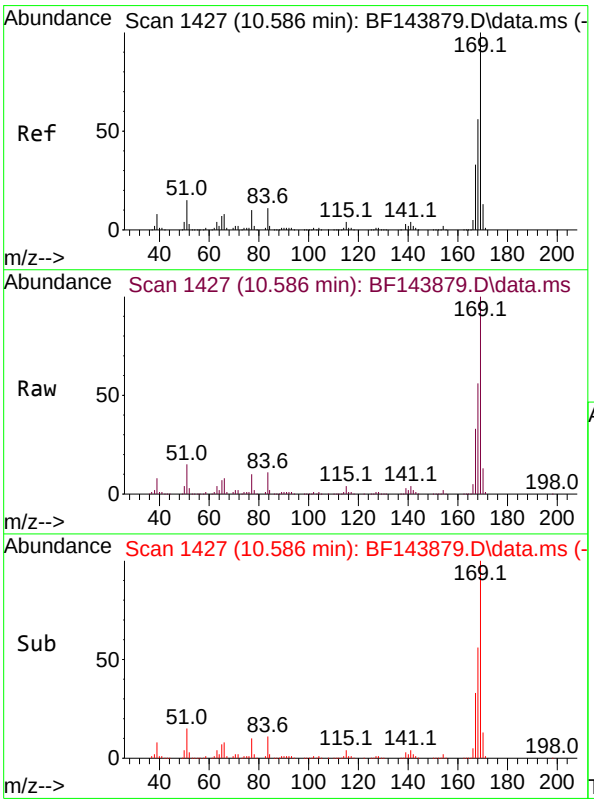
Ion	Ratio	Lower	Upper
198	100		
51	53.8	33.8	73.8
105	37.0	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

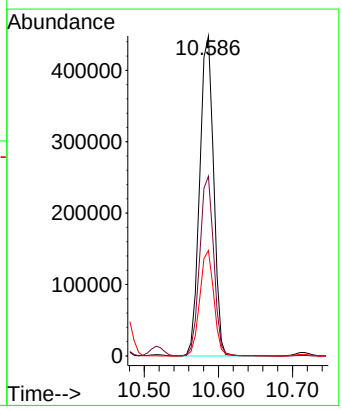
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

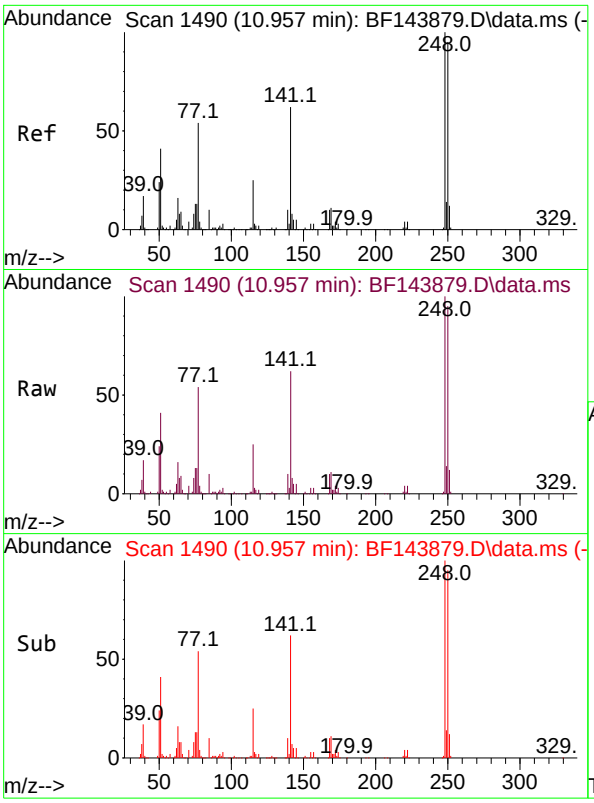


#66
n-Nitrosodiphenylamine
Concen: 41.773 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

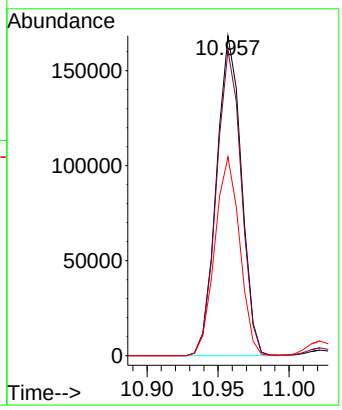




#67
4-Bromophenyl-phenylether
Concen: 41.803 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:248 Resp: 20555

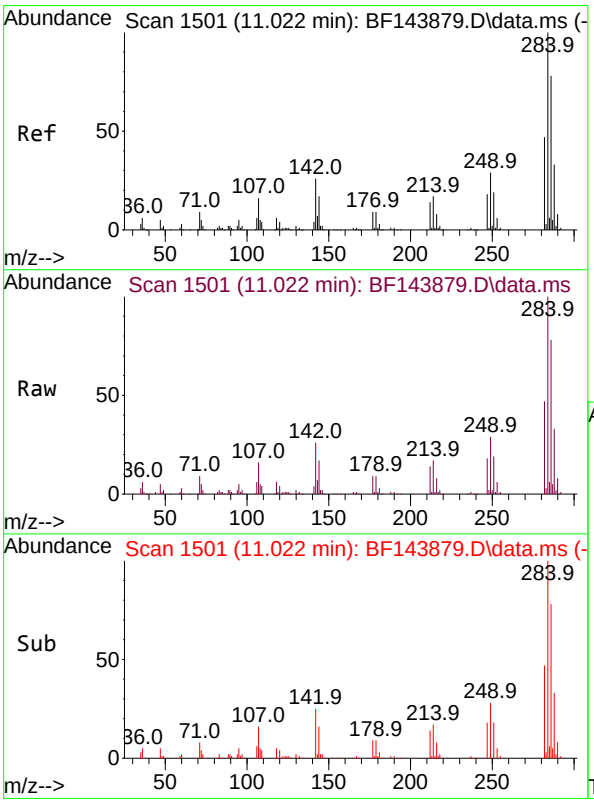
Ion	Ratio	Lower	Upper
248	100		
250	95.4	76.3	114.5
141	62.1	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

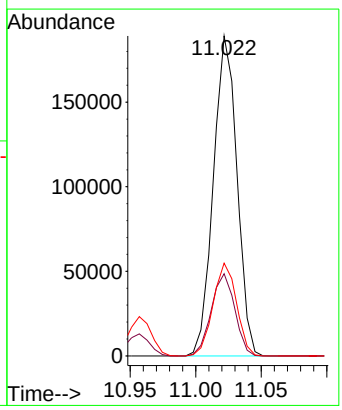
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

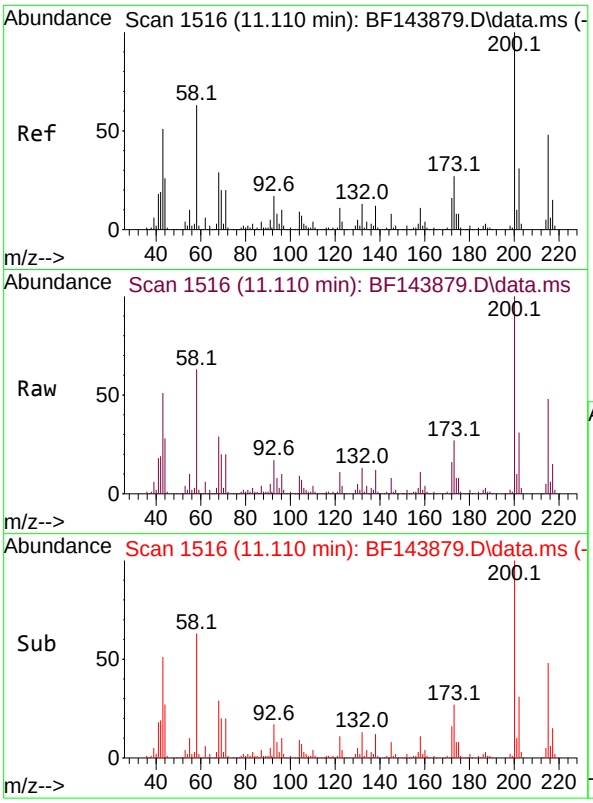


#68
Hexachlorobenzene
Concen: 41.695 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

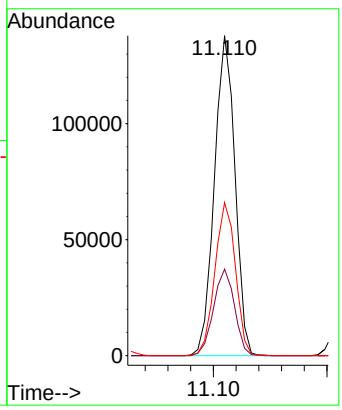




#69
Atrazine
Concen: 40.905 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:200 Resp: 17321

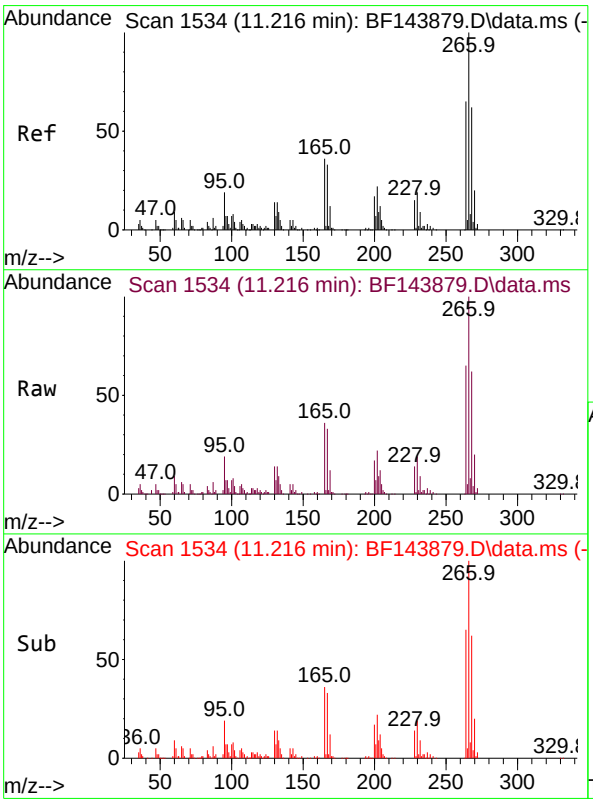
Ion	Ratio	Lower	Upper
200	100		
173	27.0	7.0	47.0
215	47.8	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

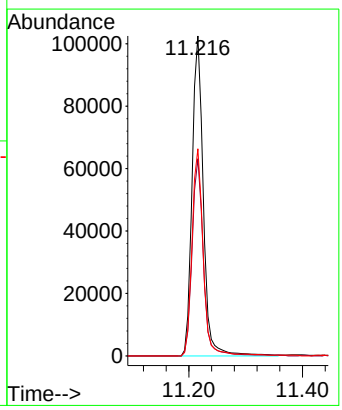
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

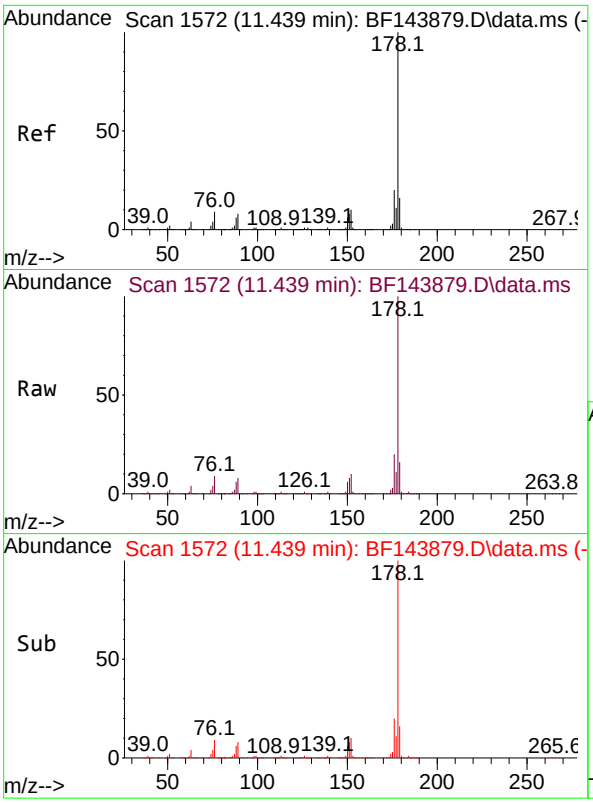


#70
Pentachlorophenol
Concen: 42.862 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

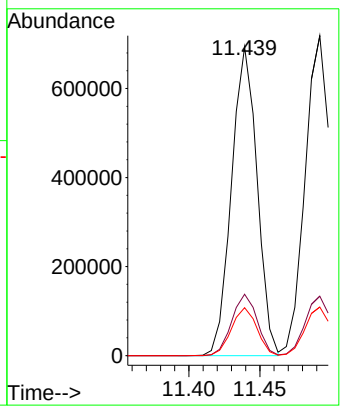




#71
Phenanthrene
Concen: 40.266 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:178 Resp: 86859

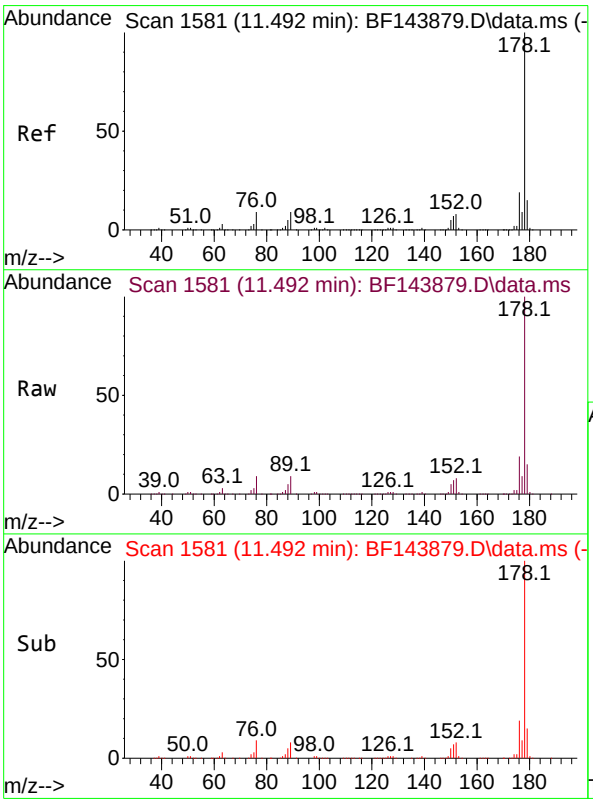
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.9	23.9
179	15.5	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

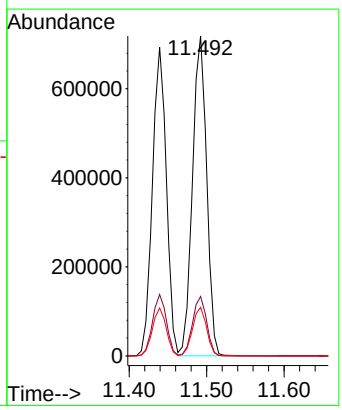
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

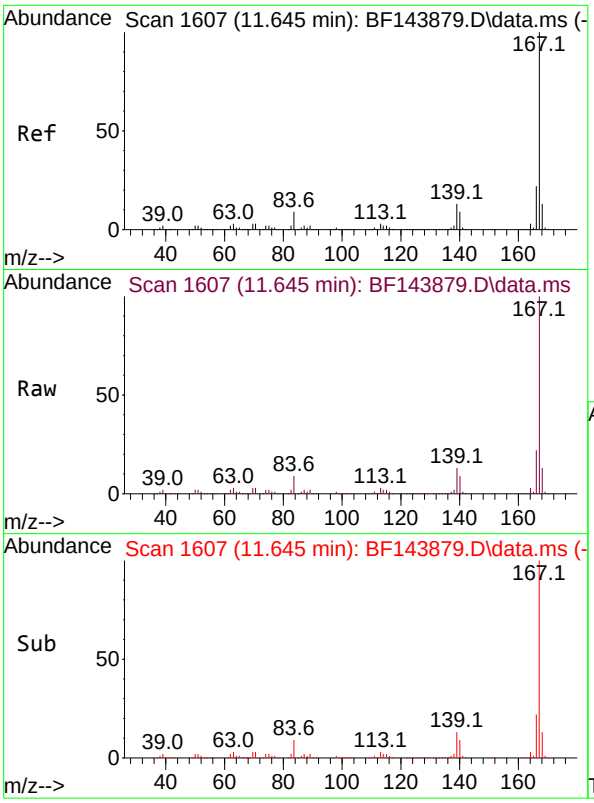


#72
Anthracene
Concen: 41.850 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

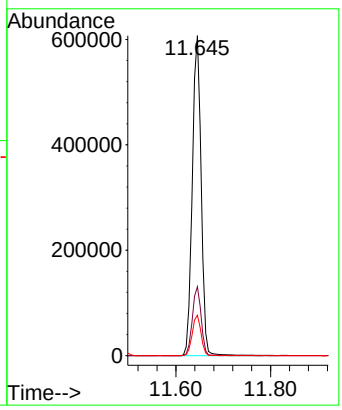




#73
Carbazole
Concen: 40.765 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:167 Resp: 78678

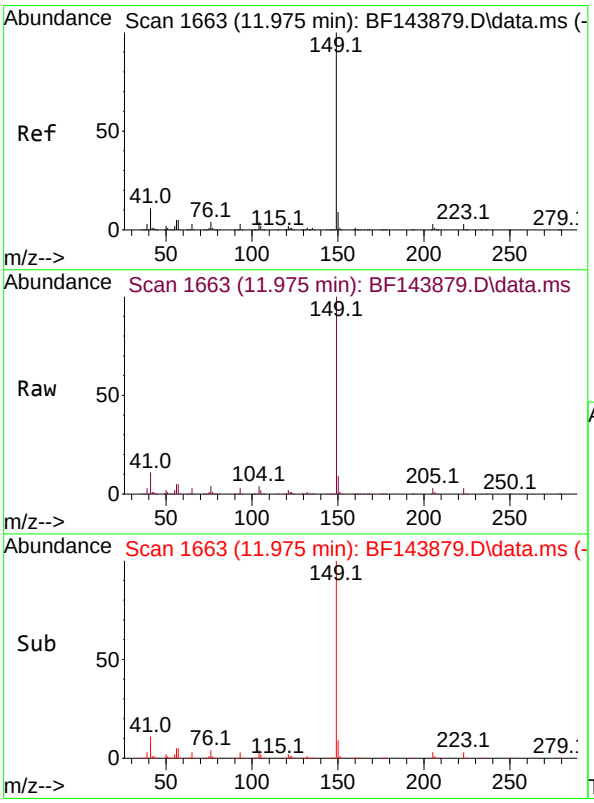
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.6	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

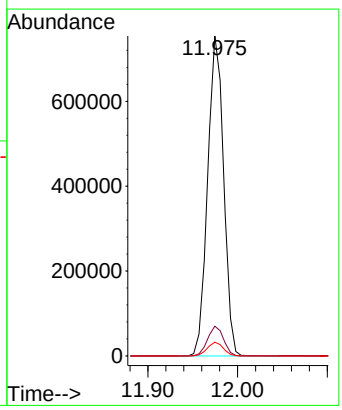
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

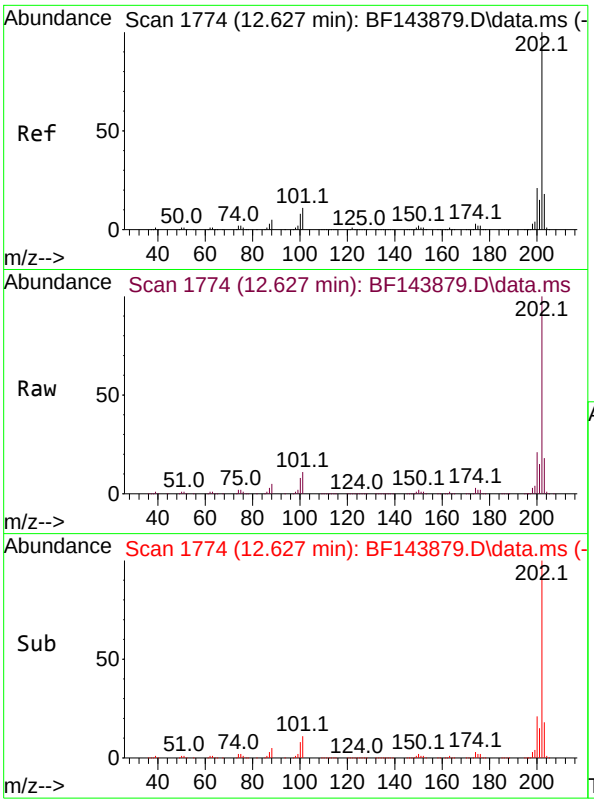


#74
Di-n-butylphthalate
Concen: 41.884 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

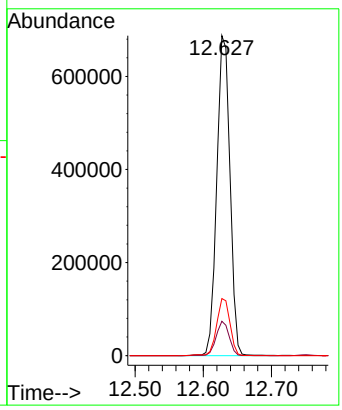




#75
Fluoranthene
Concen: 41.223 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:202 Resp: 91850

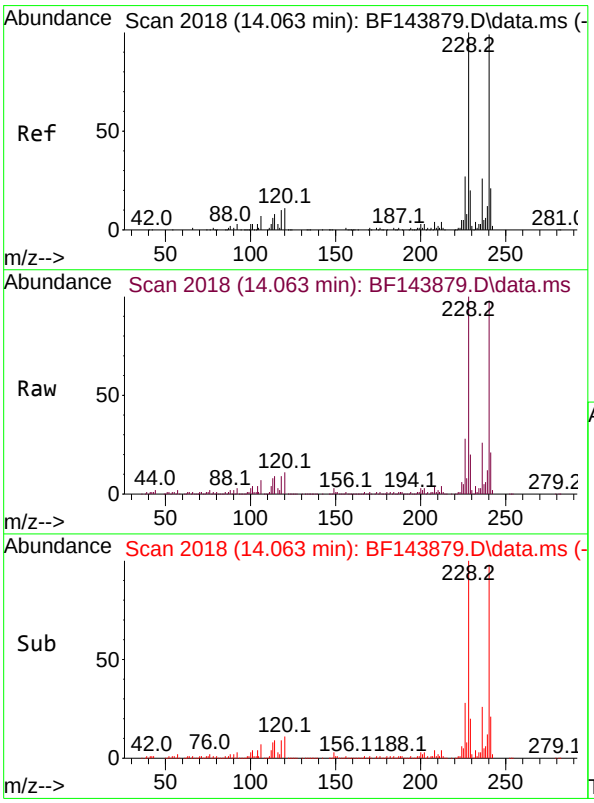
Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	30.7
203	17.8	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

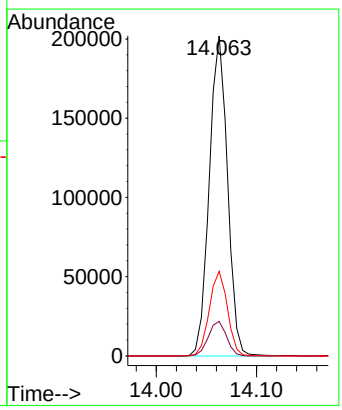
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

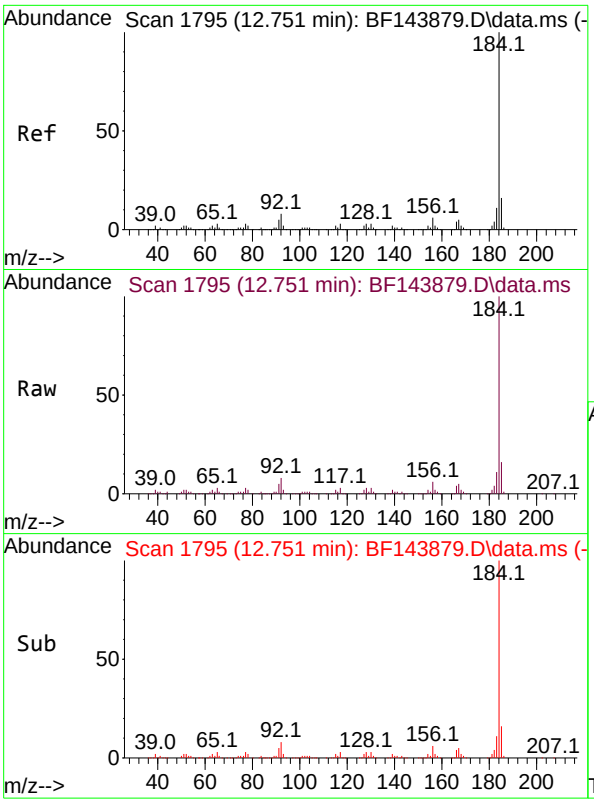


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

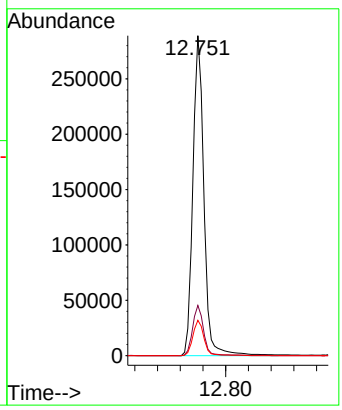




#77
Benzidine
Concen: 43.833 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:184 Resp: 38746

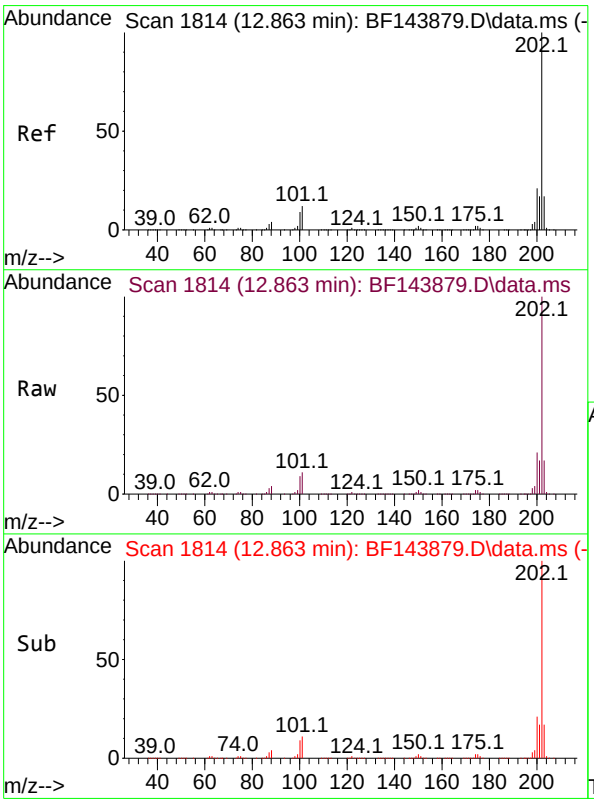
Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.6	18.8
183	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

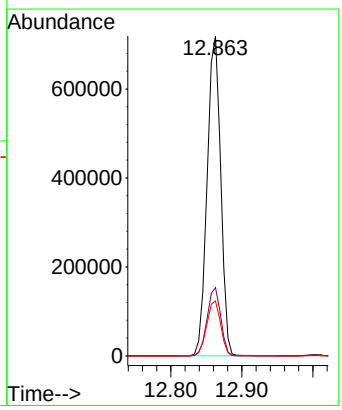
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

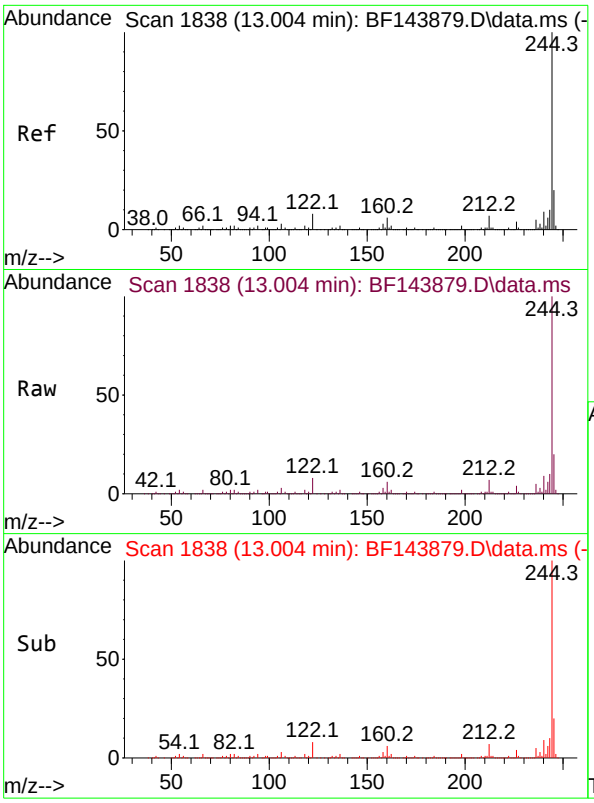


#78
Pyrene
Concen: 44.692 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

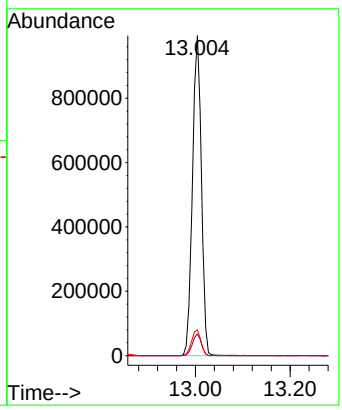




#79
Terphenyl-d14
Concen: 87.451 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:244 Resp: 130263

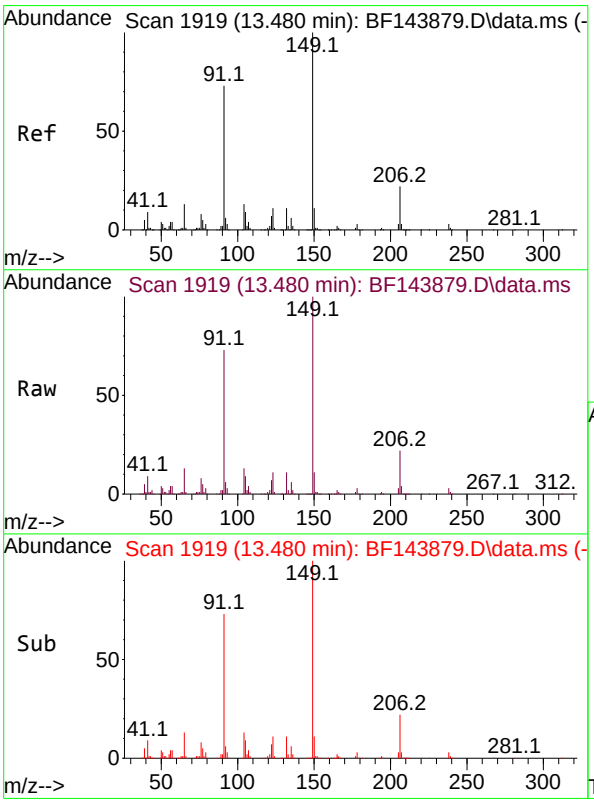
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	8.0	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

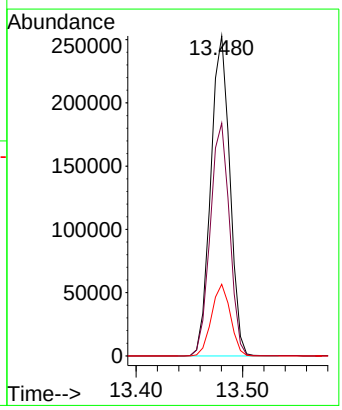
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

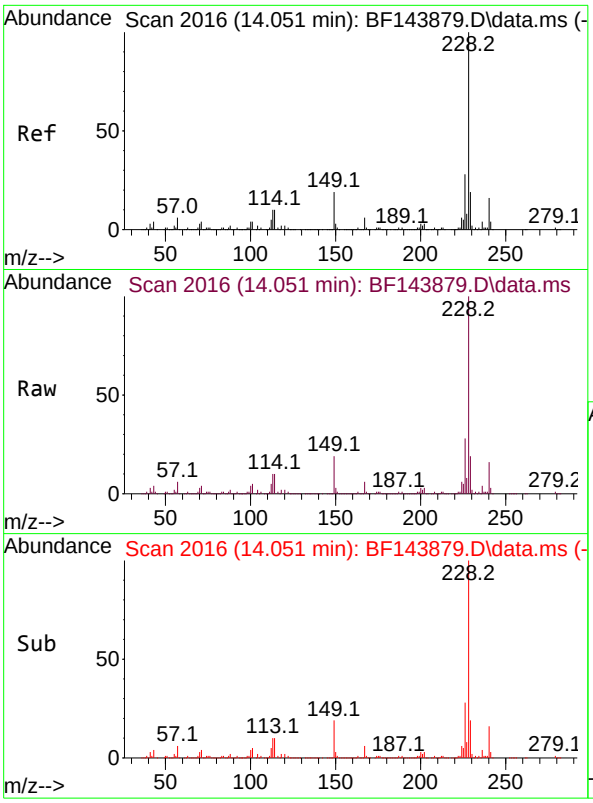


#80
Butylbenzylphthalate
Concen: 45.804 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

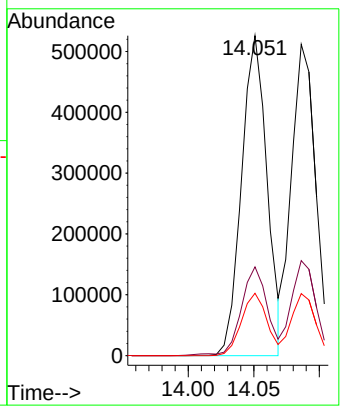




#81
Benzo(a)anthracene
Concen: 42.715 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:228 Resp: 711609

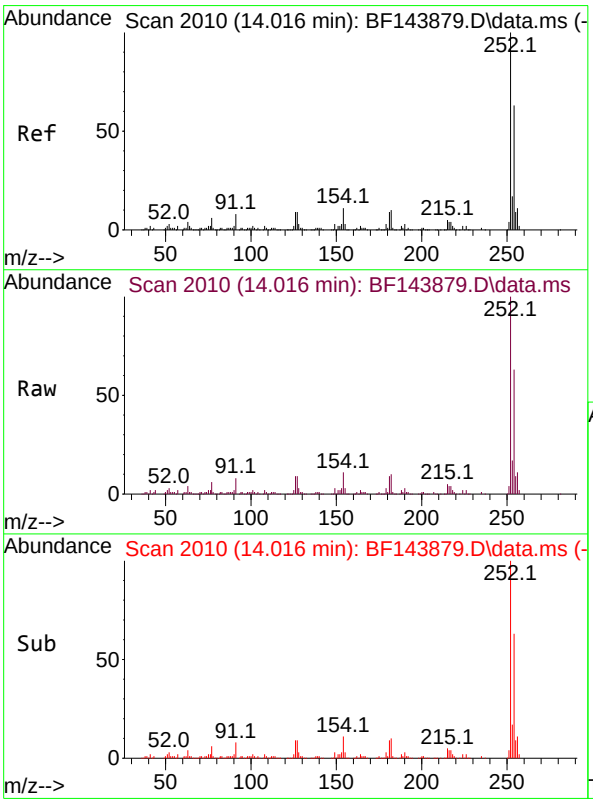
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

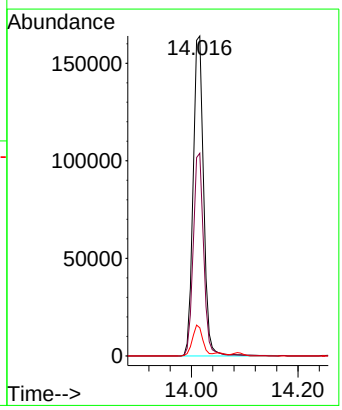
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

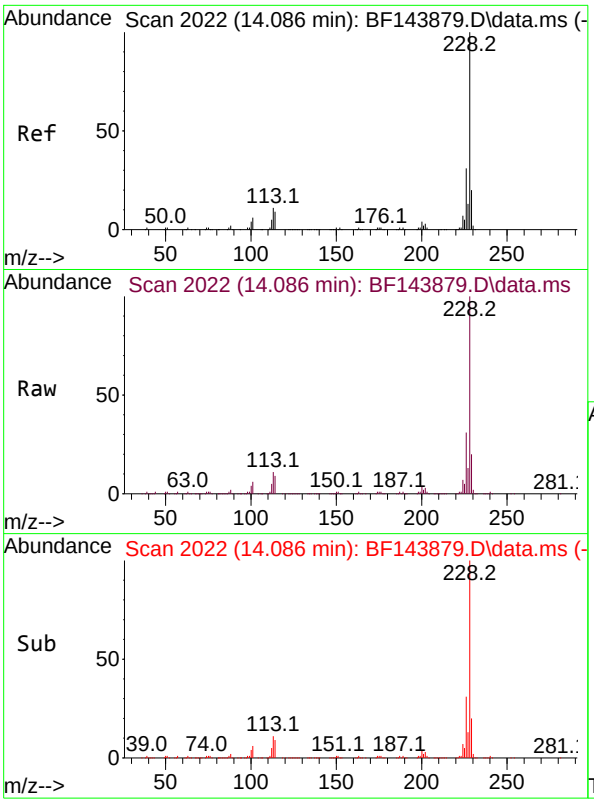


#82
3,3'-Dichlorobenzidine
Concen: 44.135 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

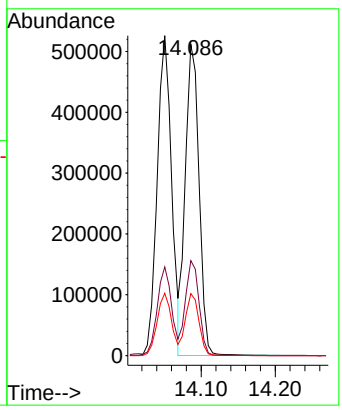




#83
Chrysene
Concen: 42.717 ng
RT: 14.086 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:228 Resp: 65863

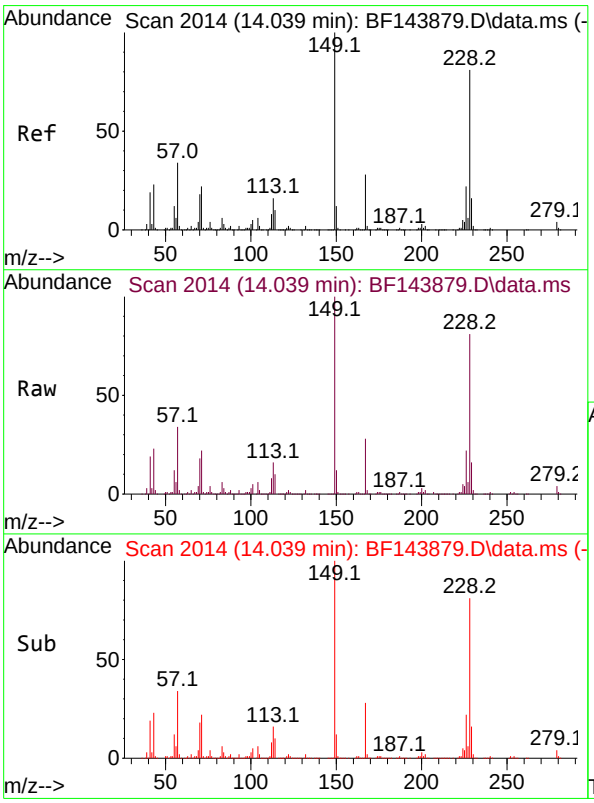
Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	19.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

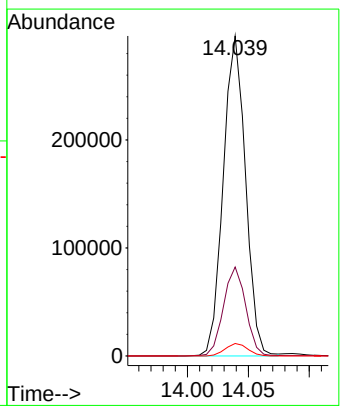
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

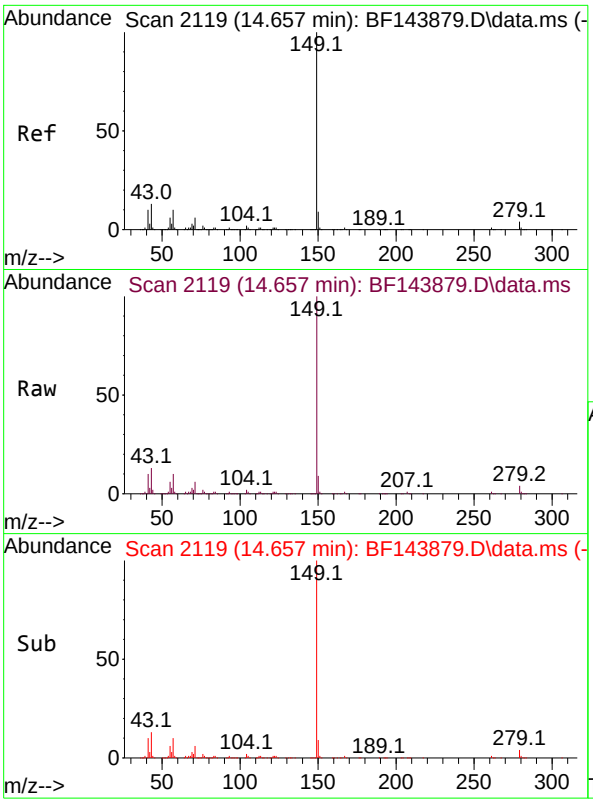


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.286 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

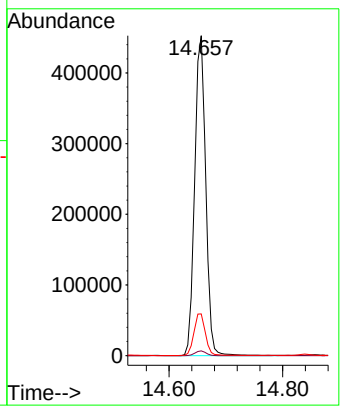




#85
Di-n-octyl phthalate
Concen: 44.561 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:149 Resp: 60812

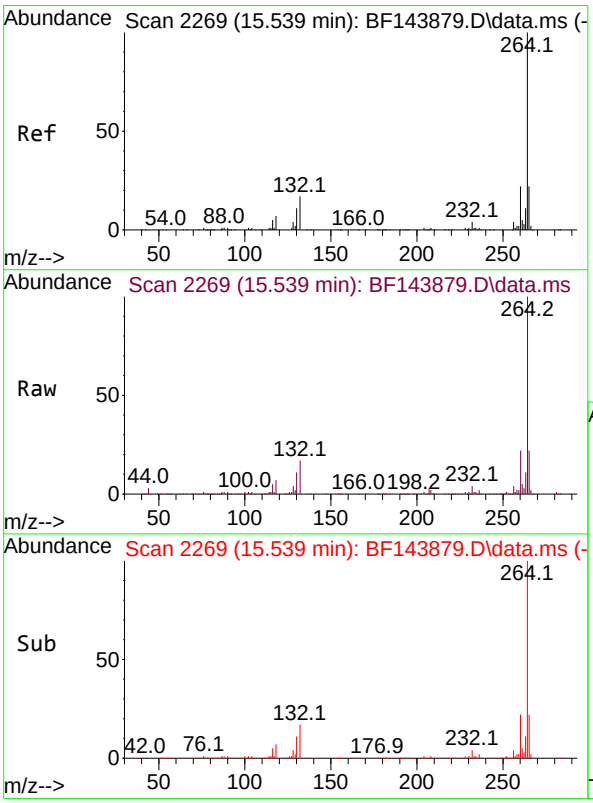
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

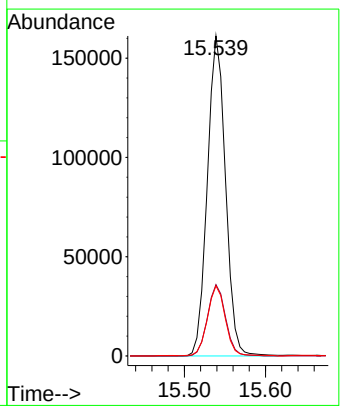
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

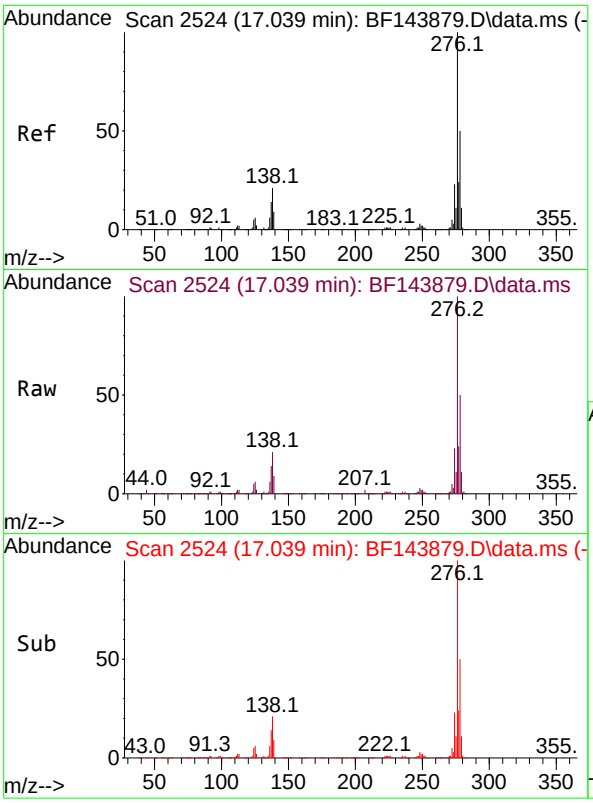


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

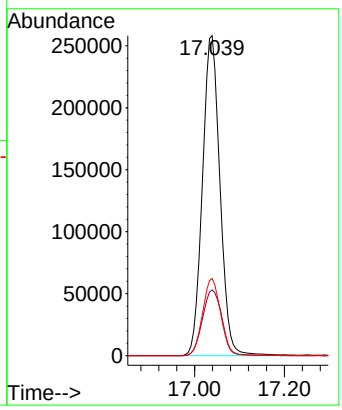




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.470 ng
RT: 17.039 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:276 Resp: 69923

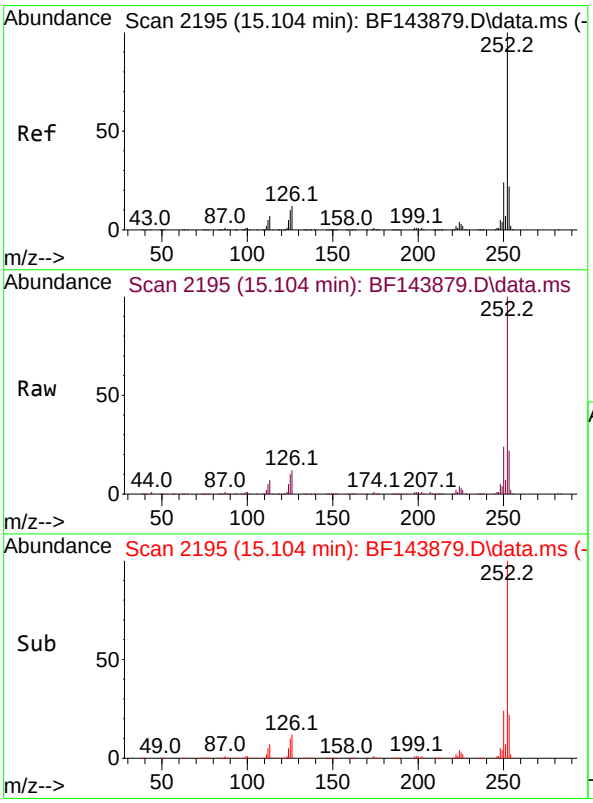
Ion	Ratio	Lower	Upper
276	100		
138	22.7	18.2	27.2
277	24.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

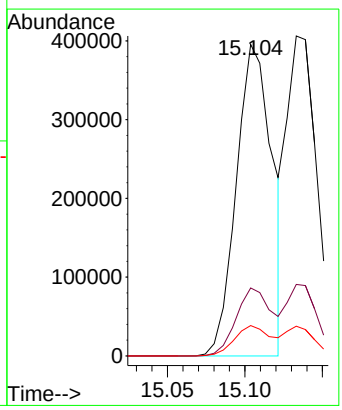
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

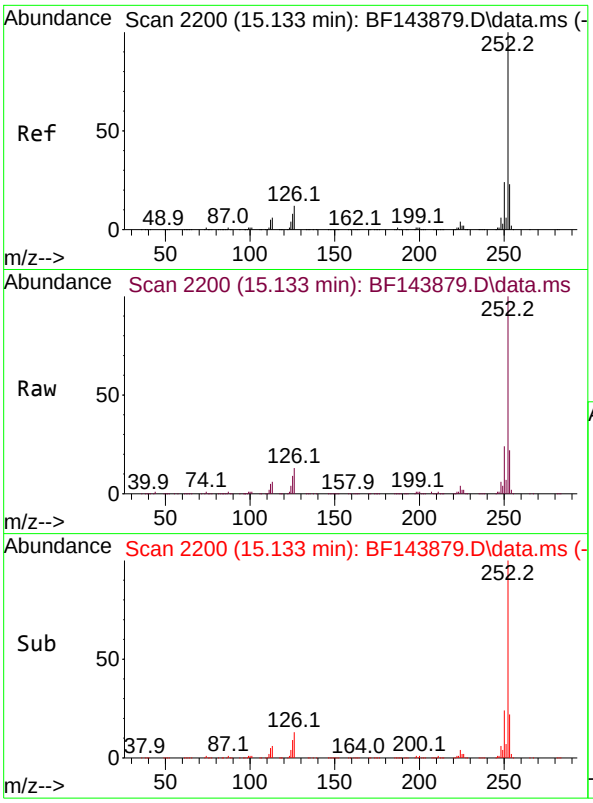


#88
Benzo(b)fluoranthene
Concen: 44.178 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

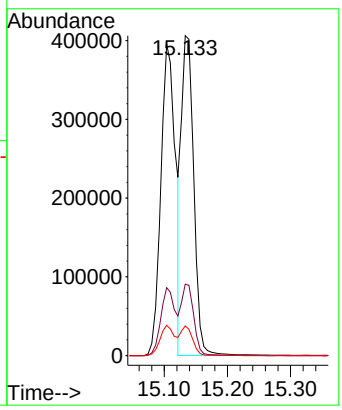




#89
Benzo(k)fluoranthene
Concen: 41.688 ng
RT: 15.133 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:252 Resp: 55611

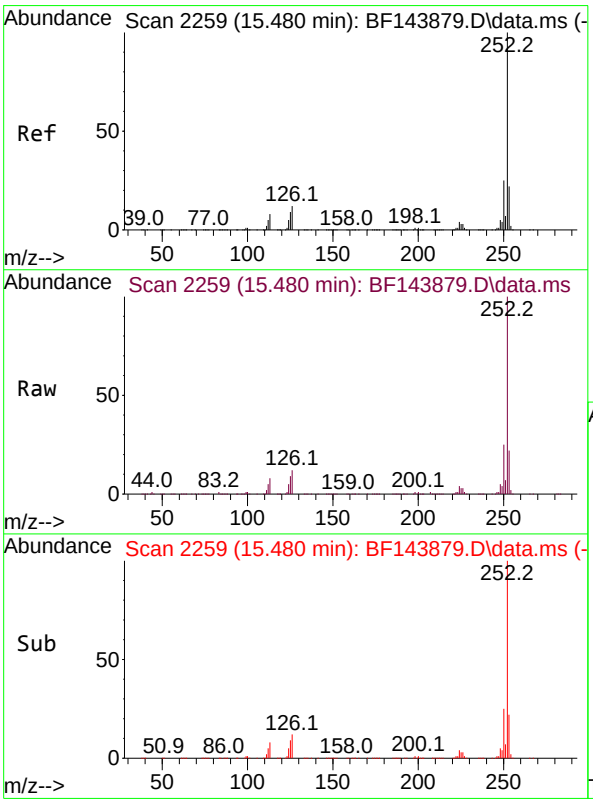
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.3	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

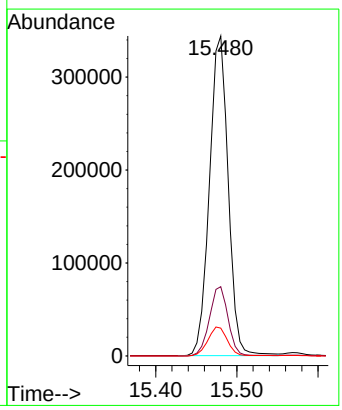
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

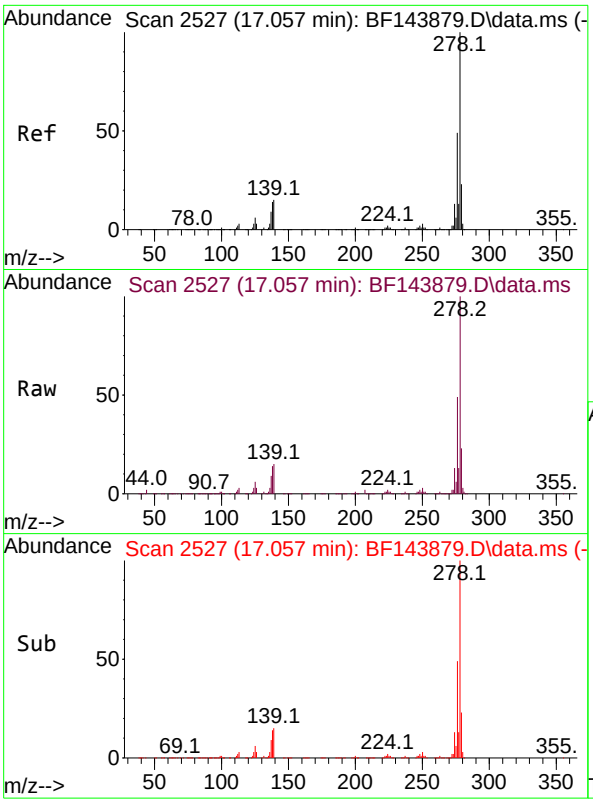


#90
Benzo(a)pyrene
Concen: 44.246 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

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

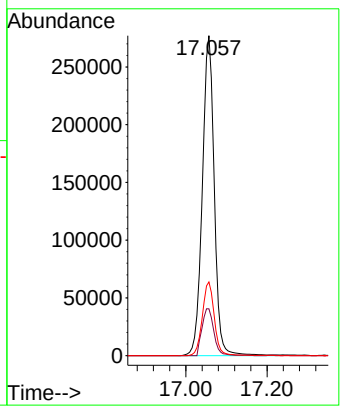




#91
Dibenzo(a,h)anthracene
Concen: 45.774 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143879.D
Acq: 06 Oct 2025 12:54

Tgt Ion:278 Resp: 56613

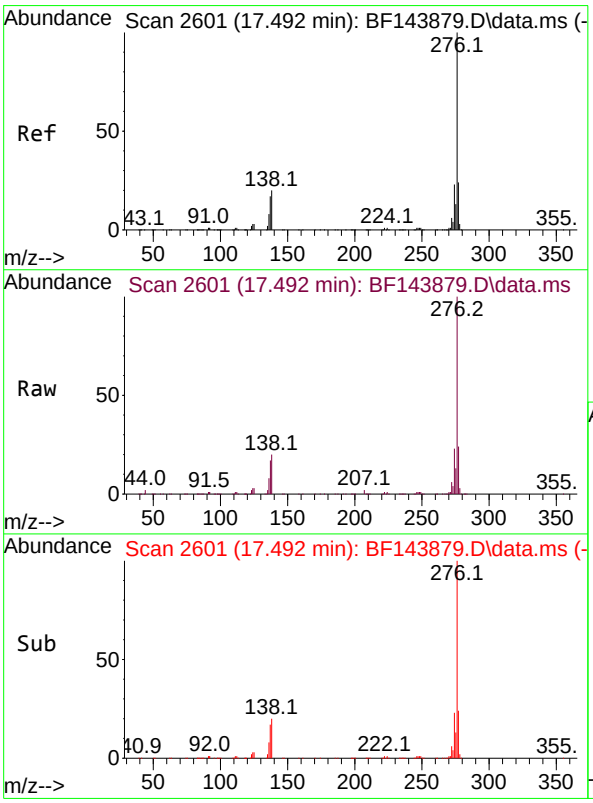
Ion	Ratio	Lower	Upper
278	100		
139	14.6	11.7	17.5
279	23.0	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

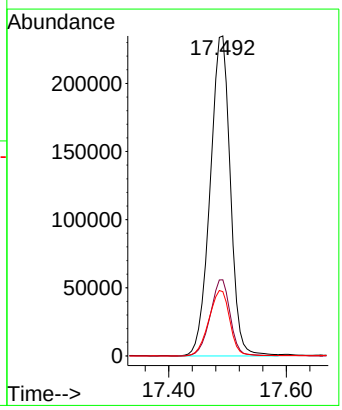
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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

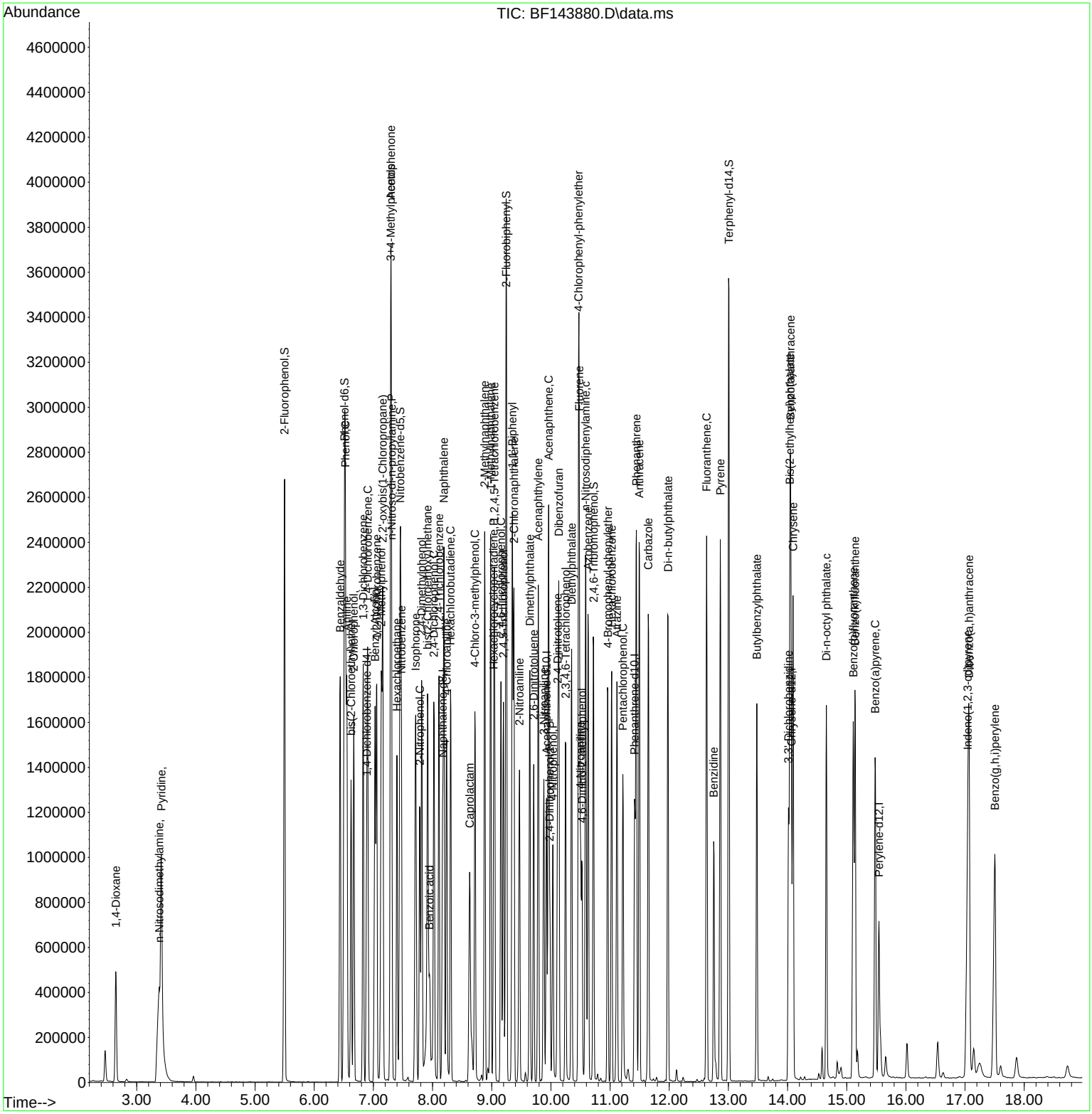
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	395213	47.031	ng		99
46) 1,1'-Biphenyl	9.351	154	1116775	42.837	ng		99
47) 2-Chloronaphthalene	9.375	162	972675	44.748	ng		98
48) 2-Nitroaniline	9.469	65	348179	50.665	ng		96
49) Acenaphthylene	9.786	152	1364193	44.642	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

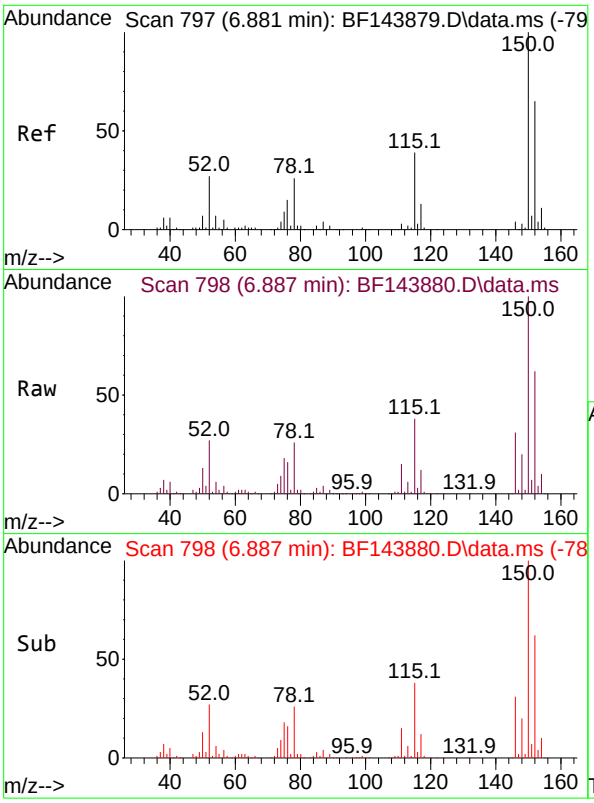
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



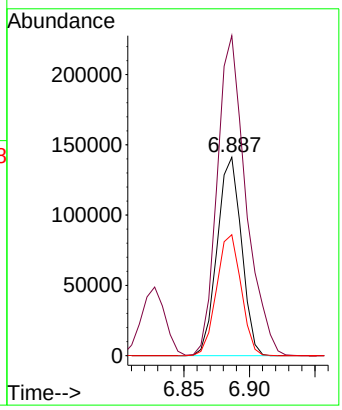


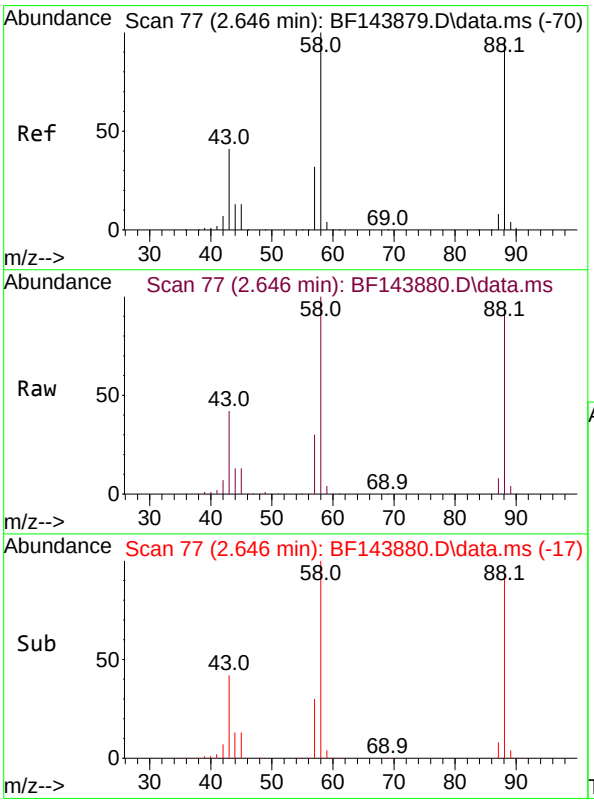
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

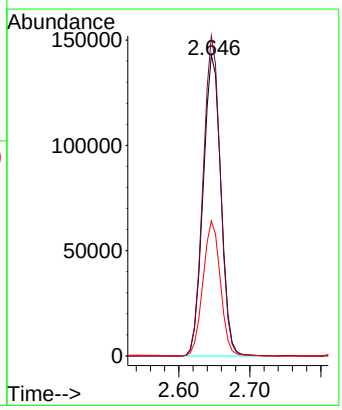


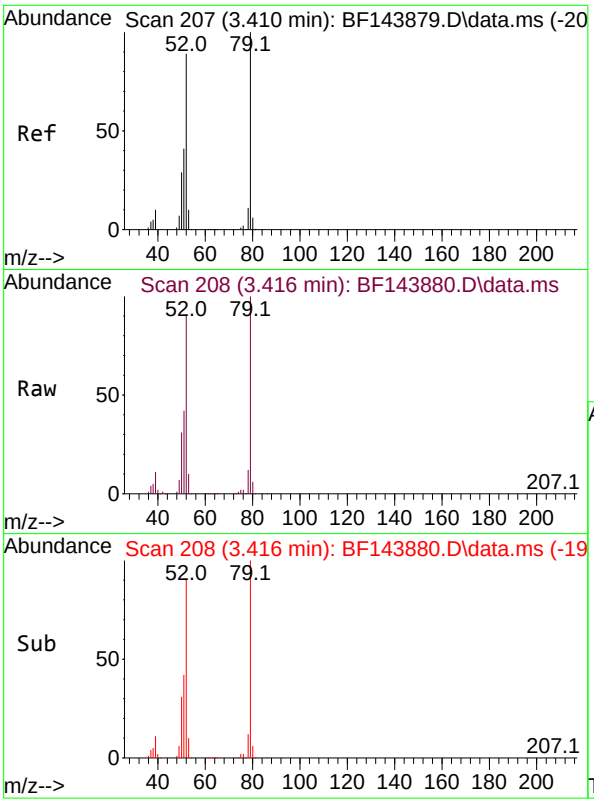


#2
1,4-Dioxane
Concen: 46.709 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



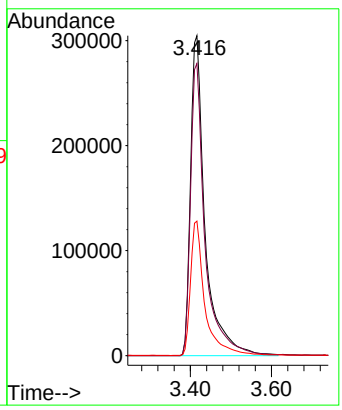


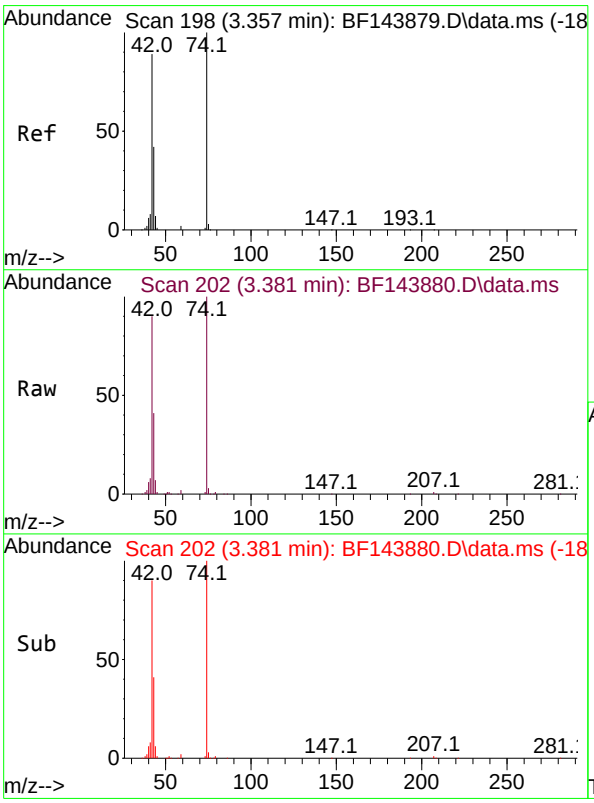
#3
Pyridine
Concen: 49.164 ng
RT: 3.416 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

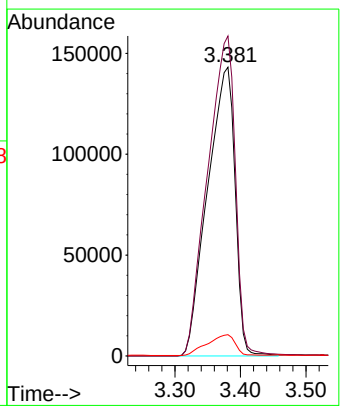


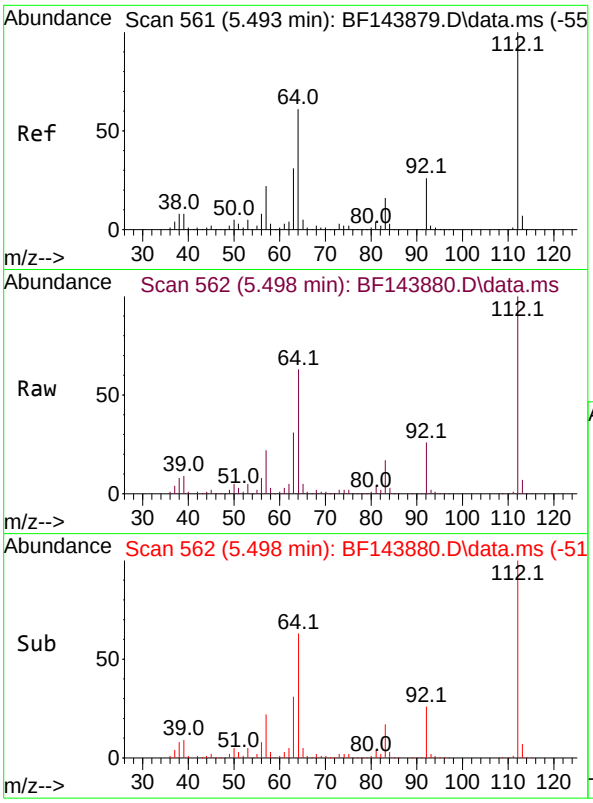


#4
n-Nitrosodimethylamine
Concen: 51.355 ng
RT: 3.381 min Scan# 202
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



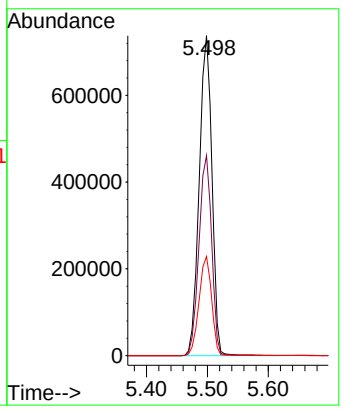


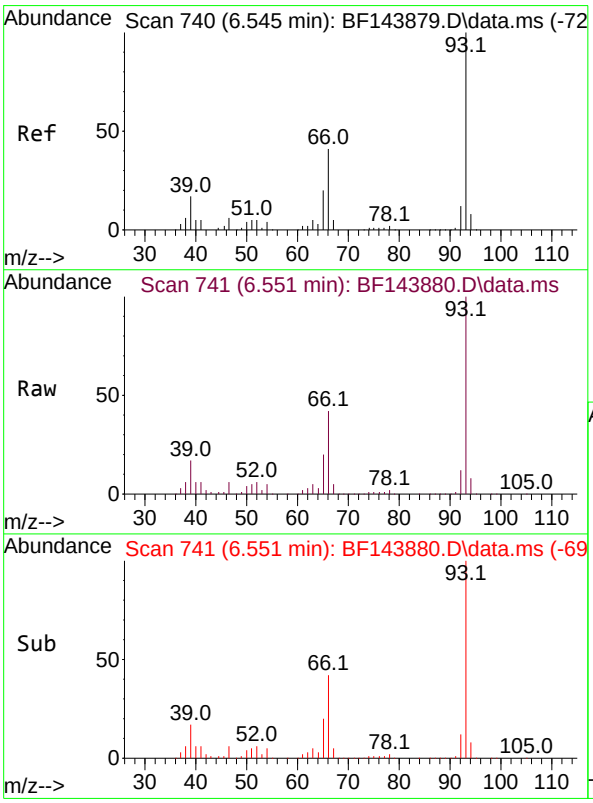
#5
2-Fluorophenol
Concen: 93.138 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

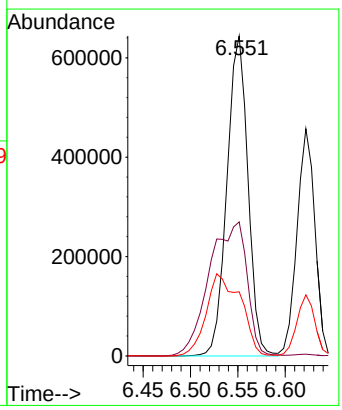


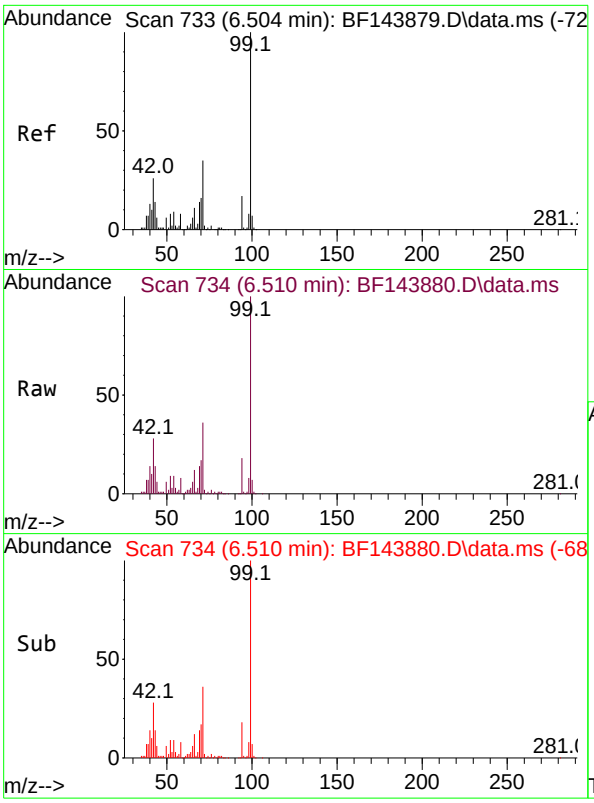


#6
Aniline
Concen: 48.562 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



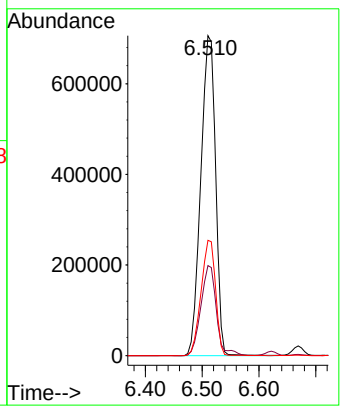


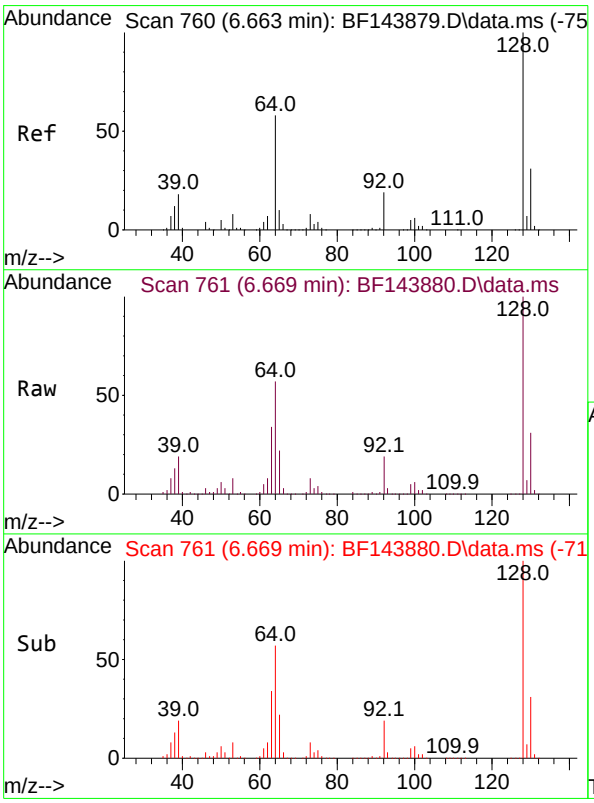
#7
Phenol-d6
Concen: 93.519 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

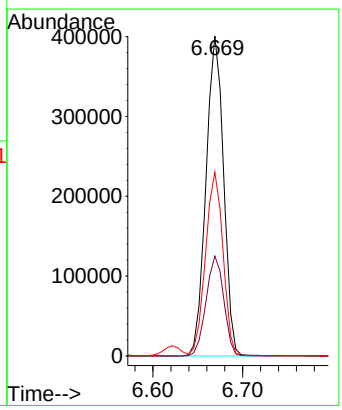


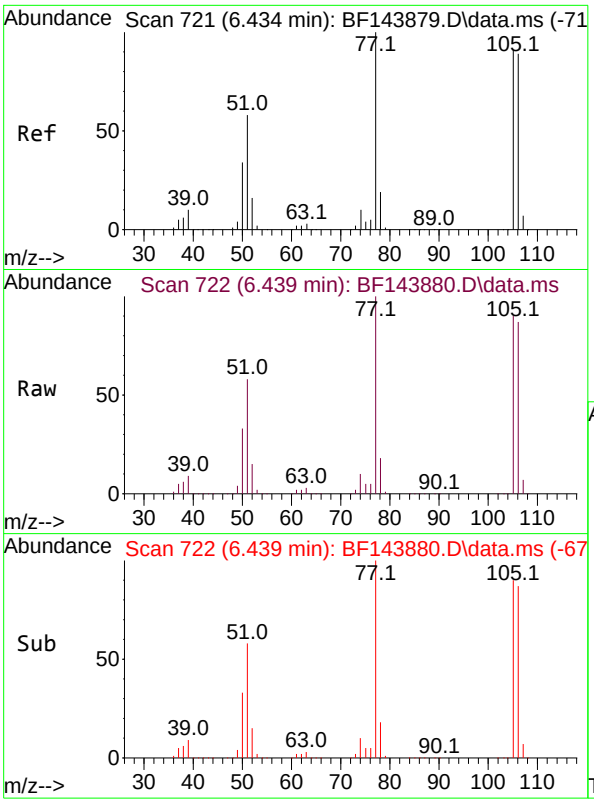


#8
2-Chlorophenol
Concen: 48.757 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



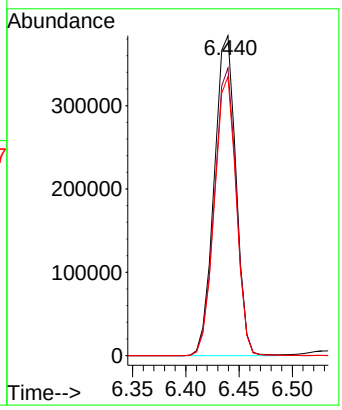


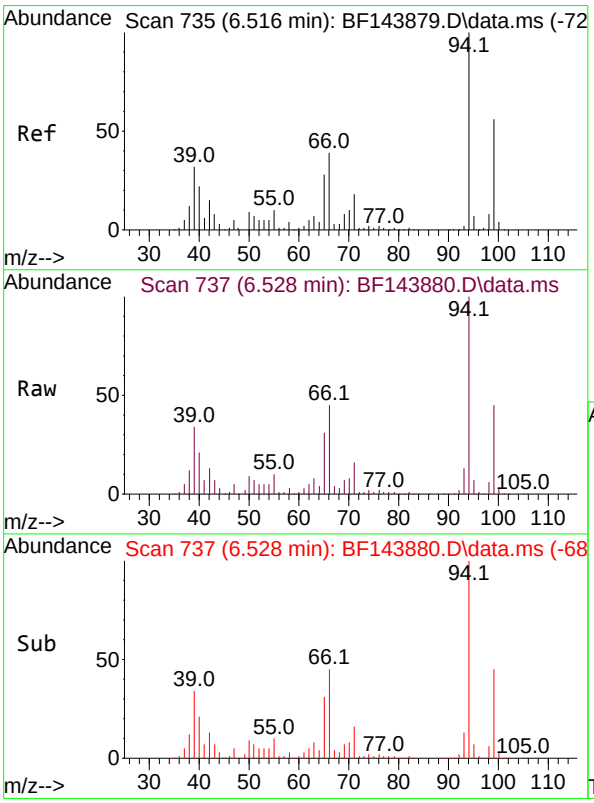
#9
Benzaldehyde
Concen: 51.738 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

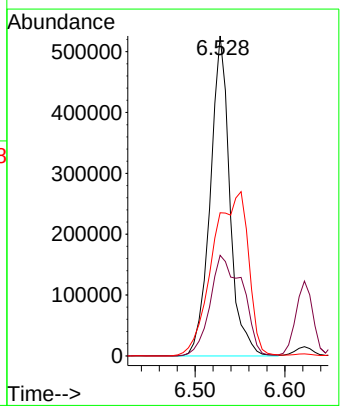


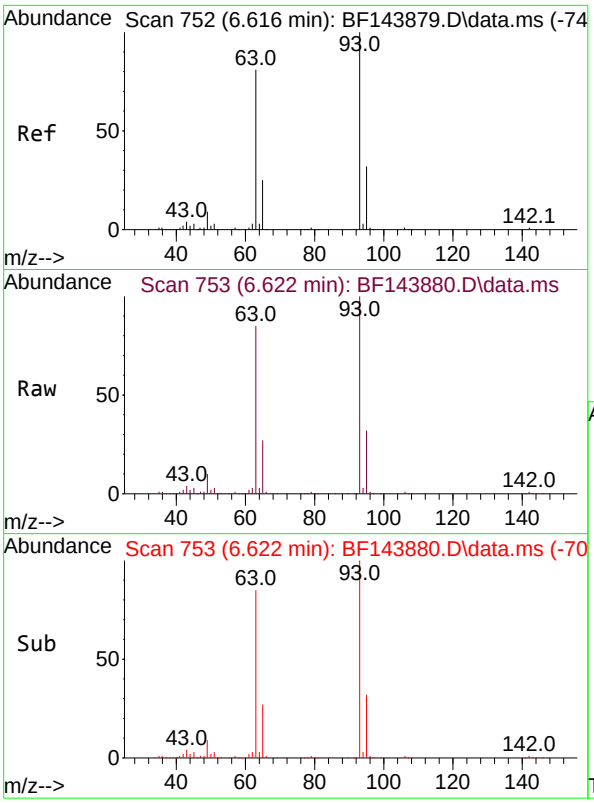


#10
Phenol
Concen: 48.932 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



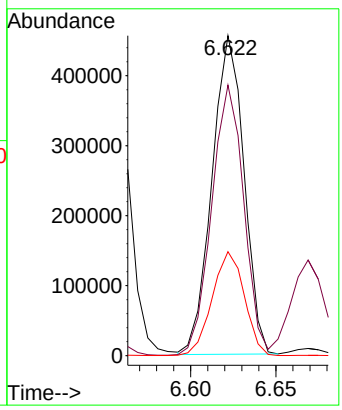


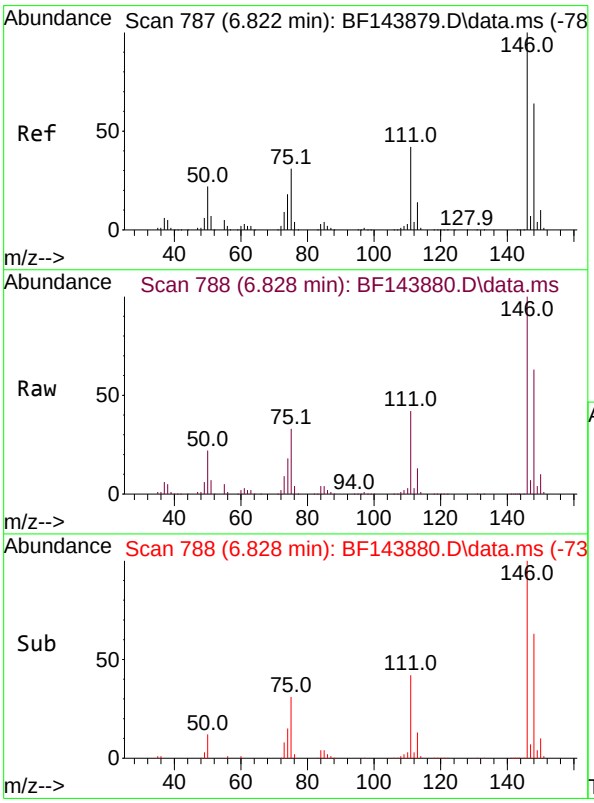
#11
bis(2-Chloroethyl)ether
Concen: 47.169 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

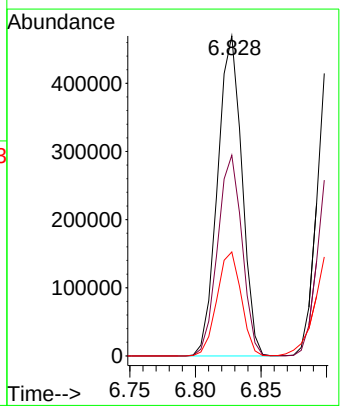


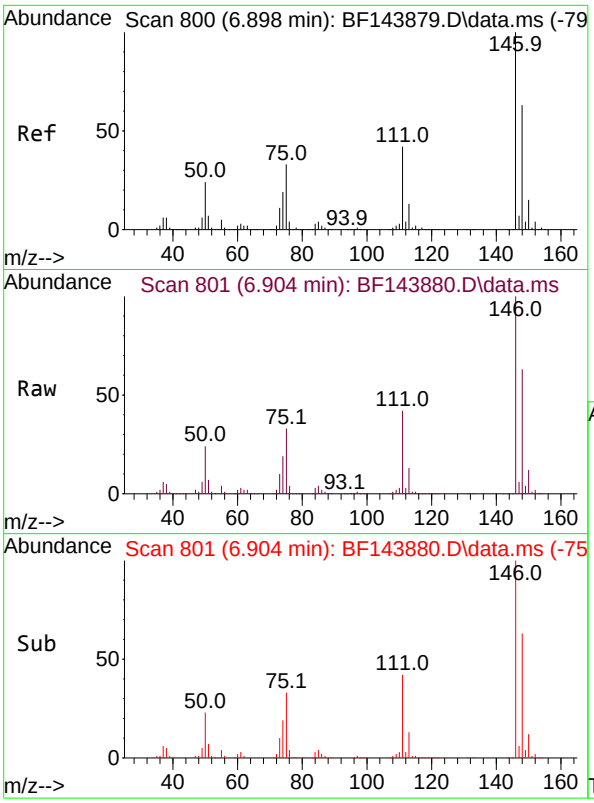


#12
1,3-Dichlorobenzene
Concen: 45.318 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



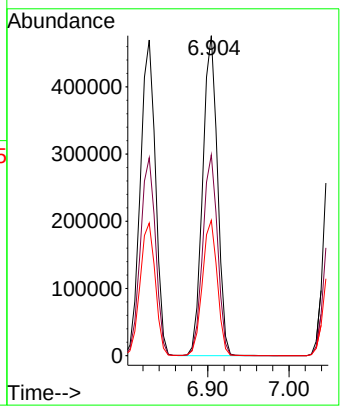


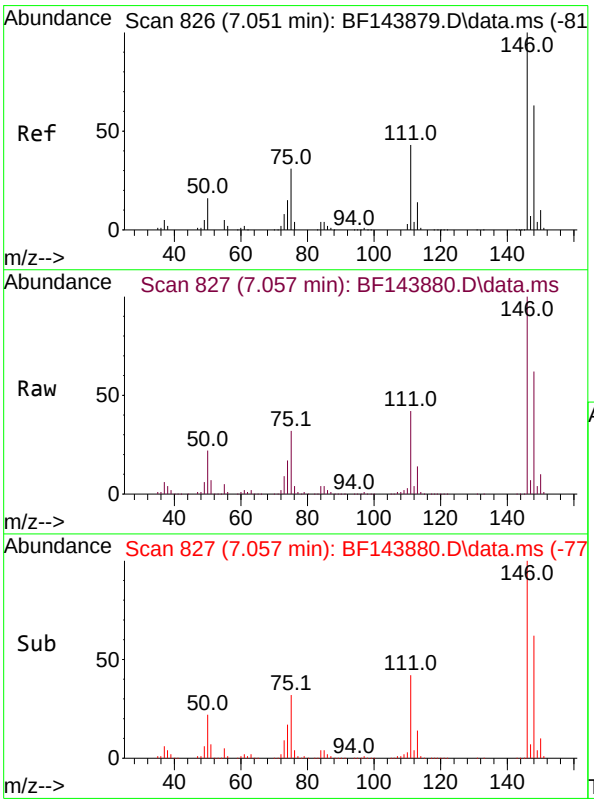
#13
1,4-Dichlorobenzene
Concen: 45.612 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

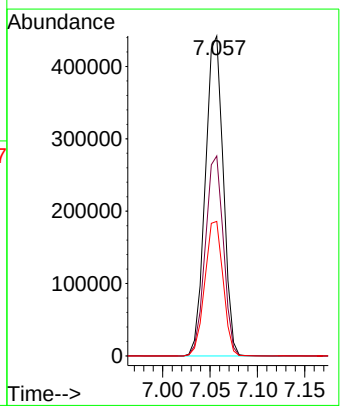


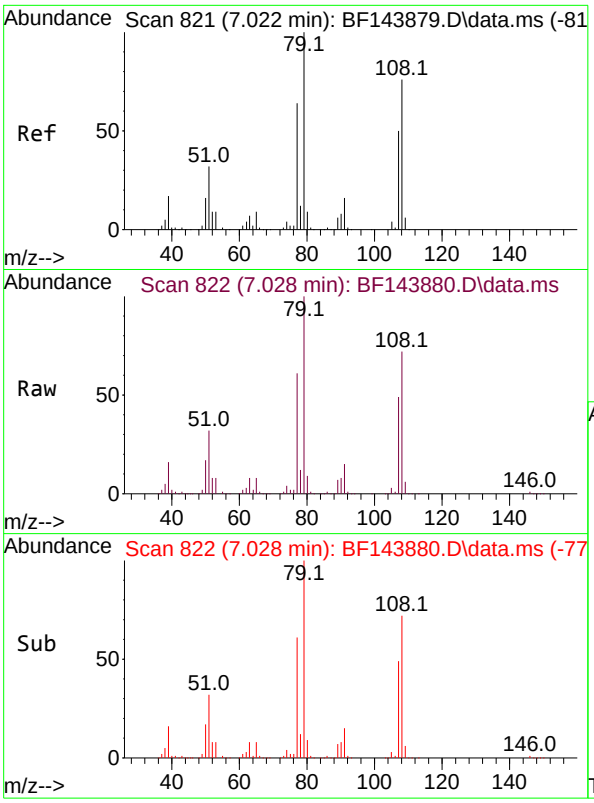


#14
1,2-Dichlorobenzene
Concen: 46.072 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



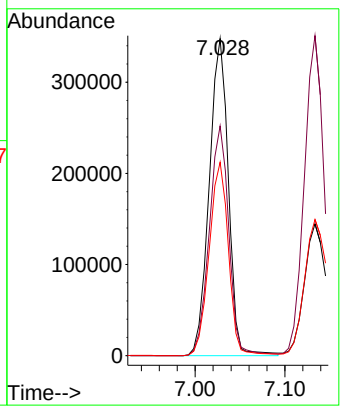


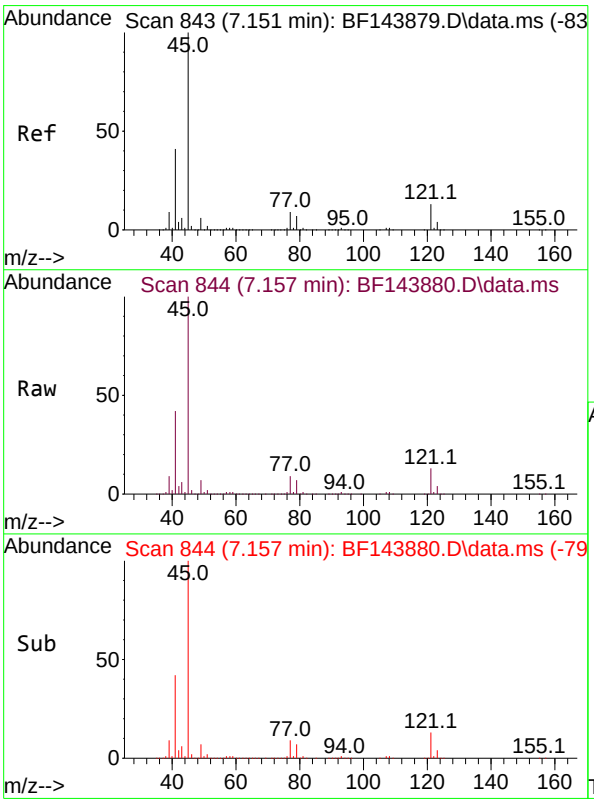
#15
Benzyl Alcohol
Concen: 50.402 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

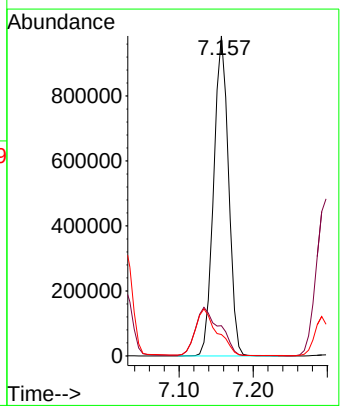


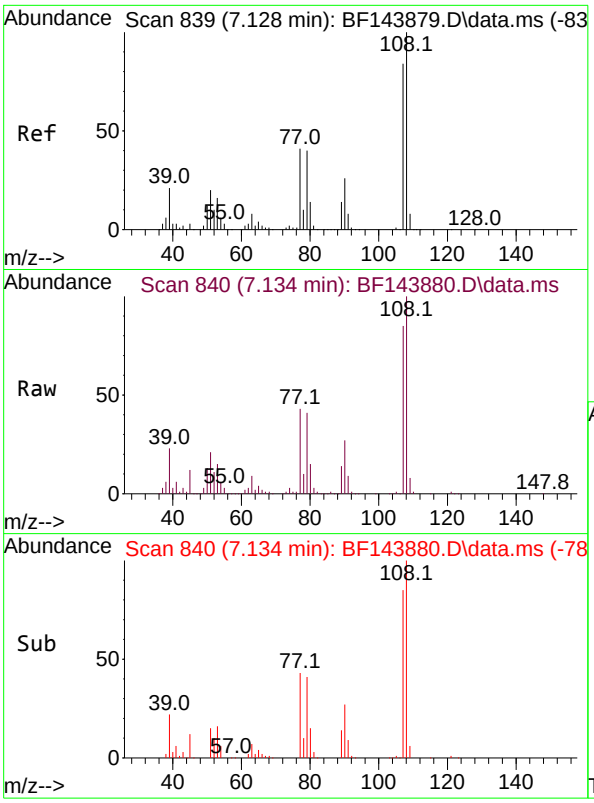


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.652 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



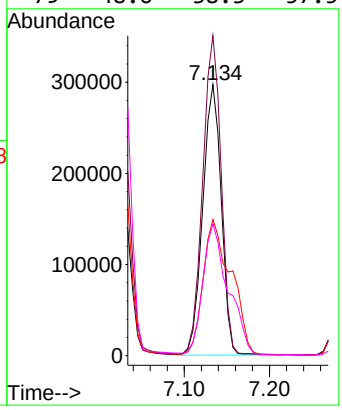


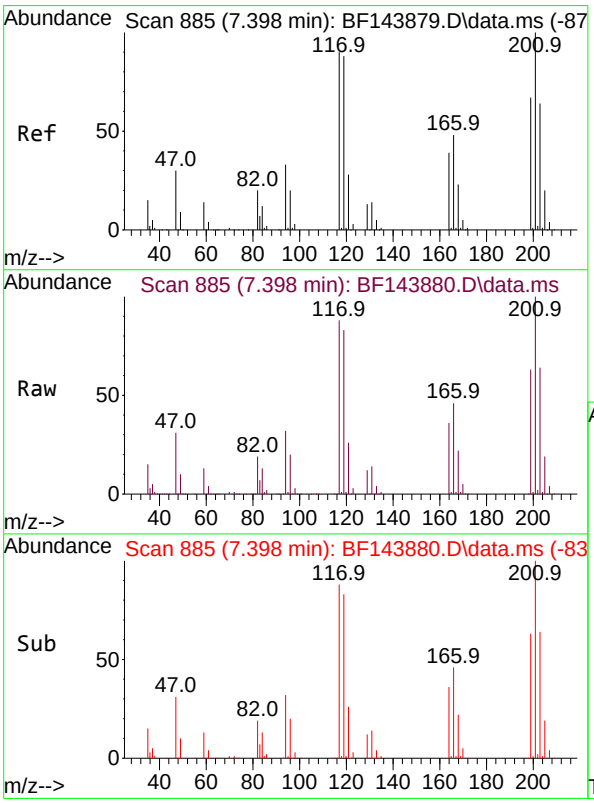
#17
2-Methylphenol
Concen: 48.397 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

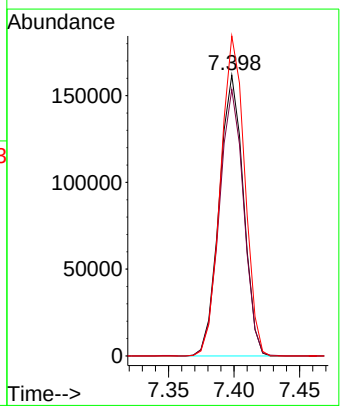


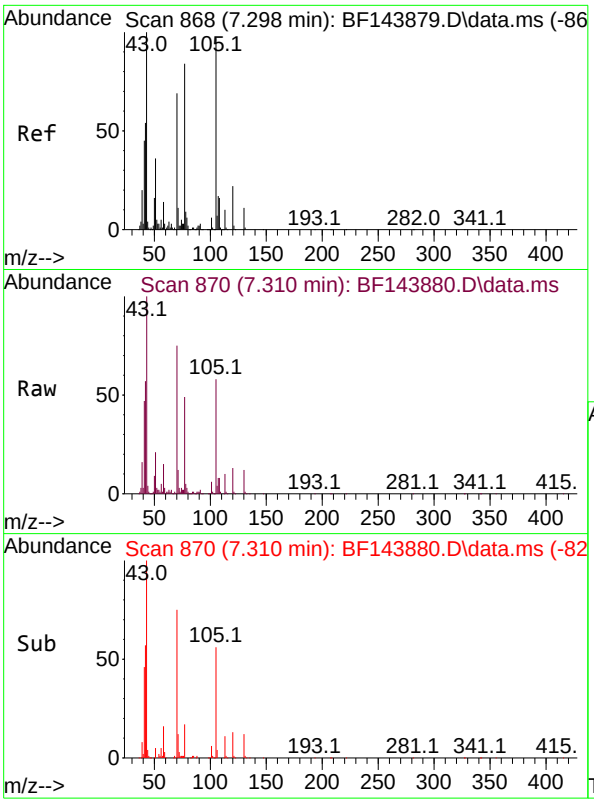


#18
Hexachloroethane
Concen: 47.017 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



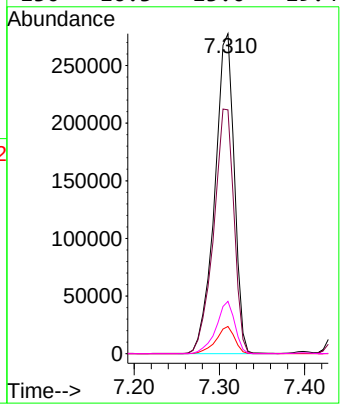


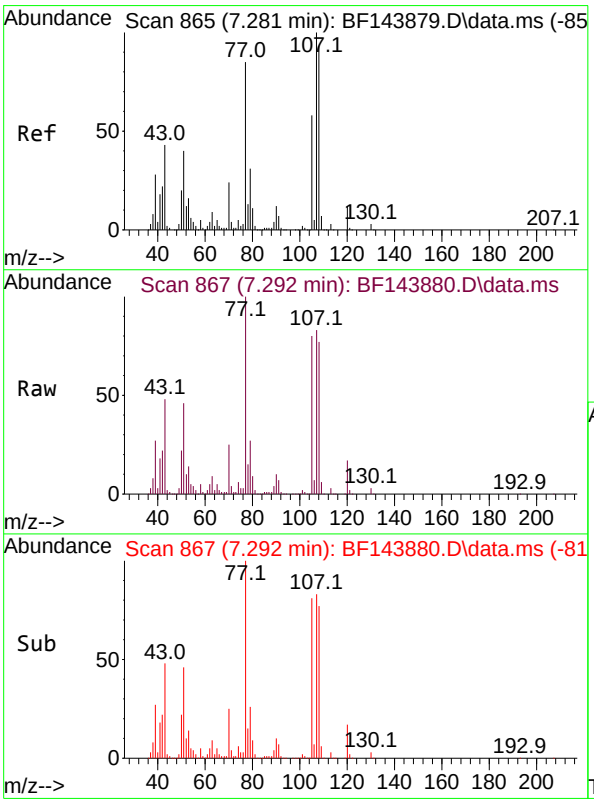
#19
n-Nitroso-di-n-propylamine
Concen: 47.198 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

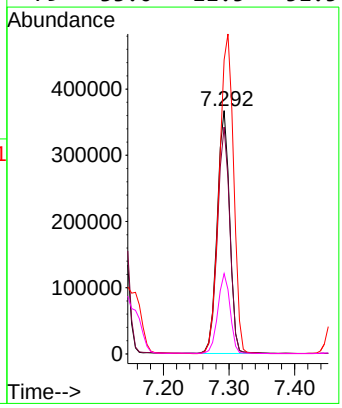


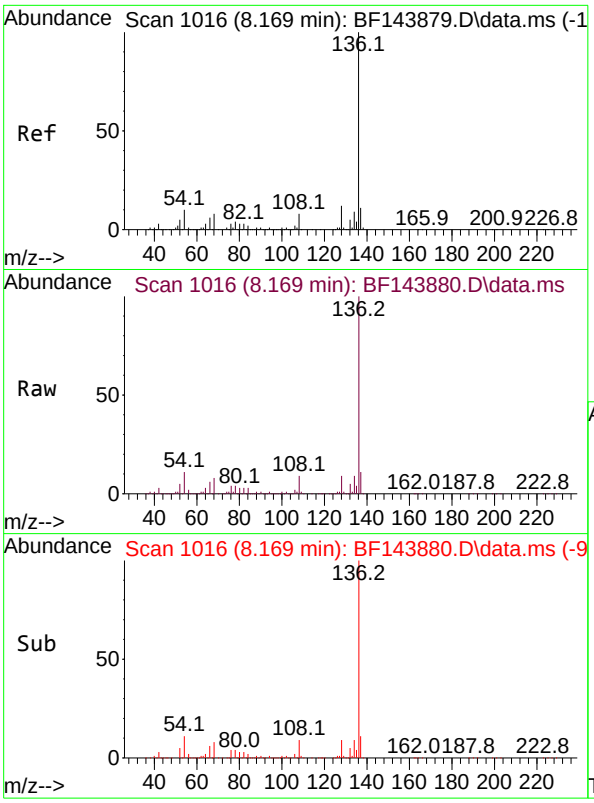


#20
3+4-Methylphenols
Concen: 45.276 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



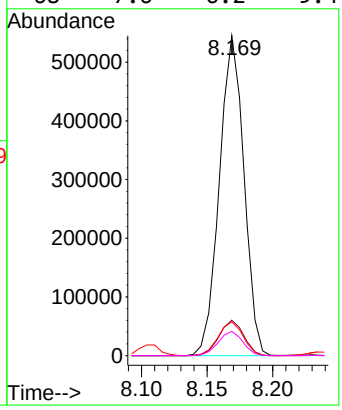


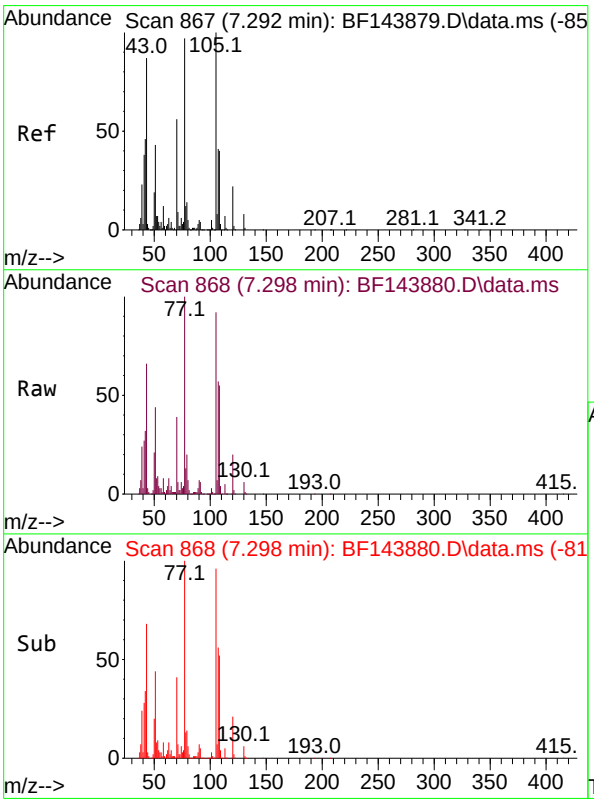
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

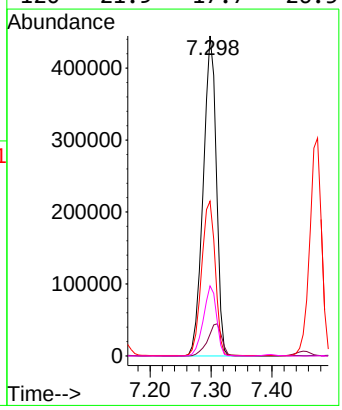


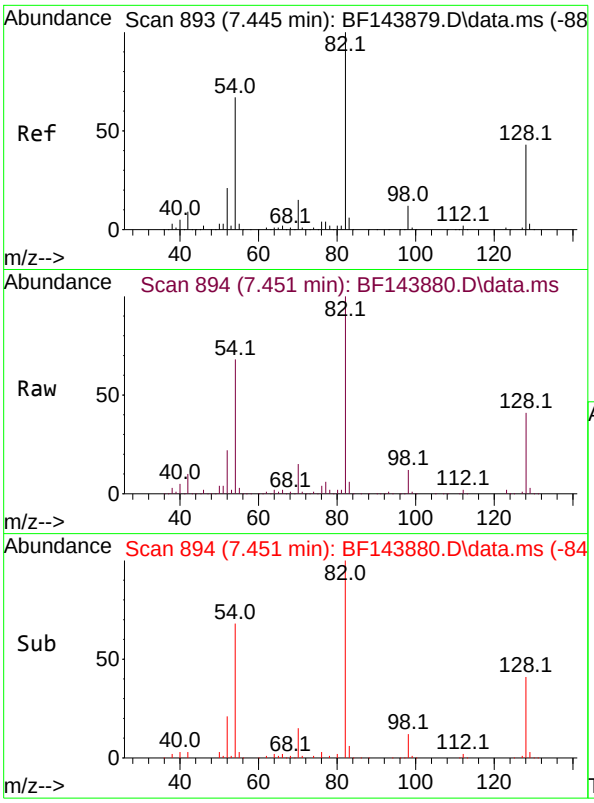


#22
Acetophenone
Concen: 44.262 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



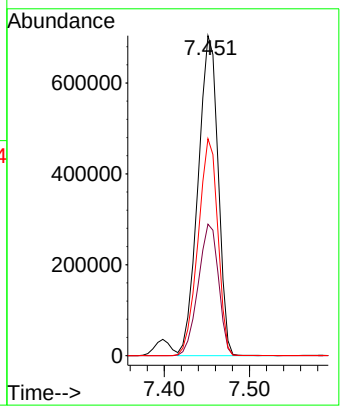


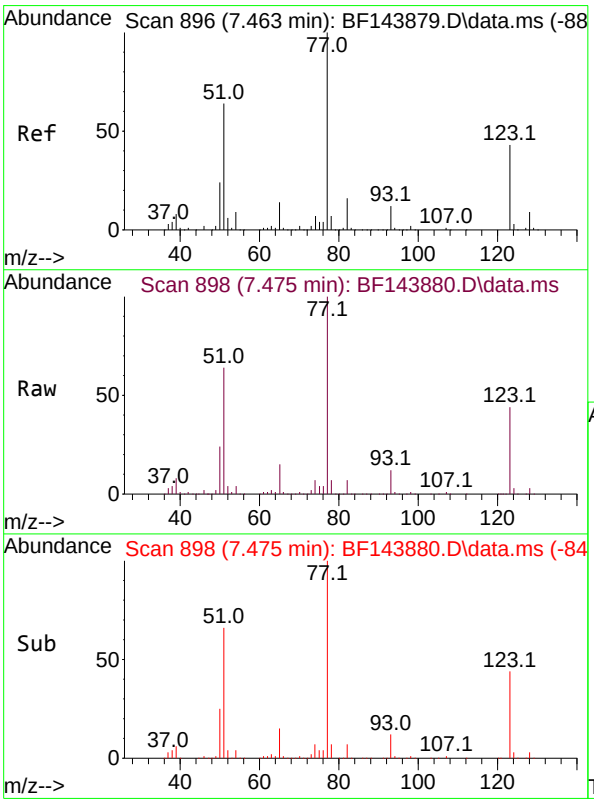
#23
Nitrobenzene-d5
Concen: 98.174 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

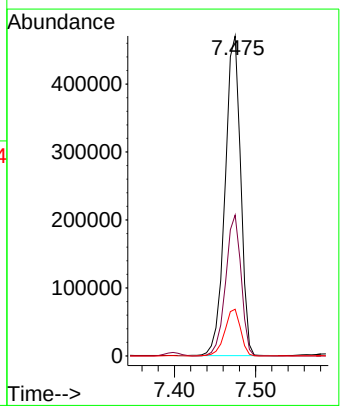


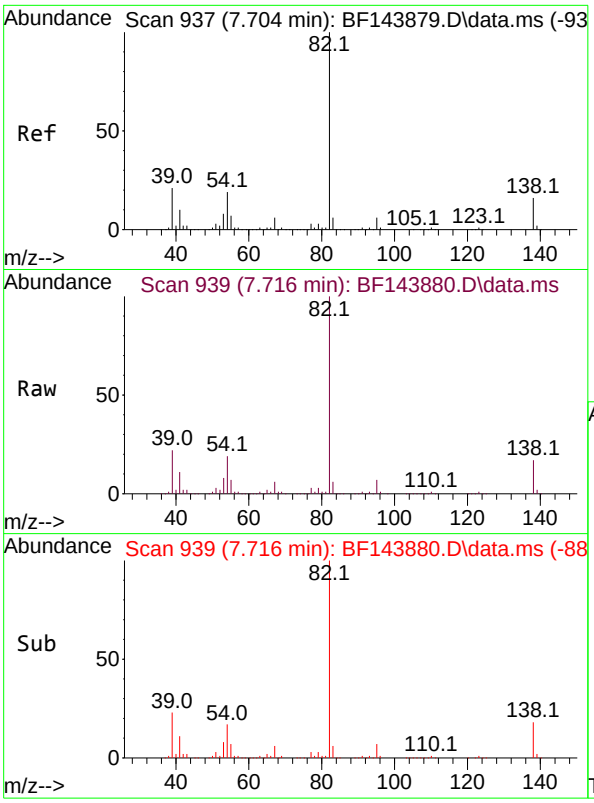


#24
Nitrobenzene
Concen: 48.155 ng
RT: 7.475 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



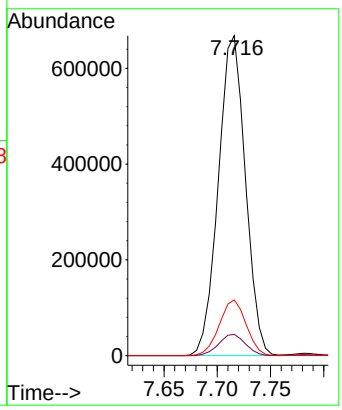


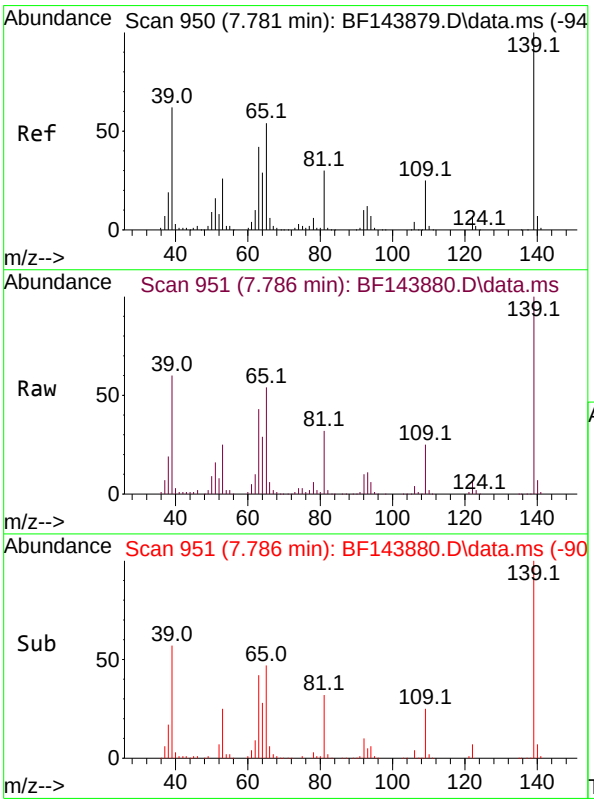
#25
Isophorone
Concen: 47.877 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

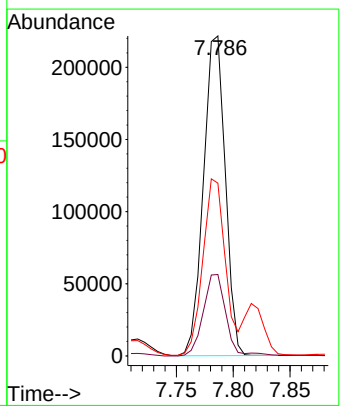


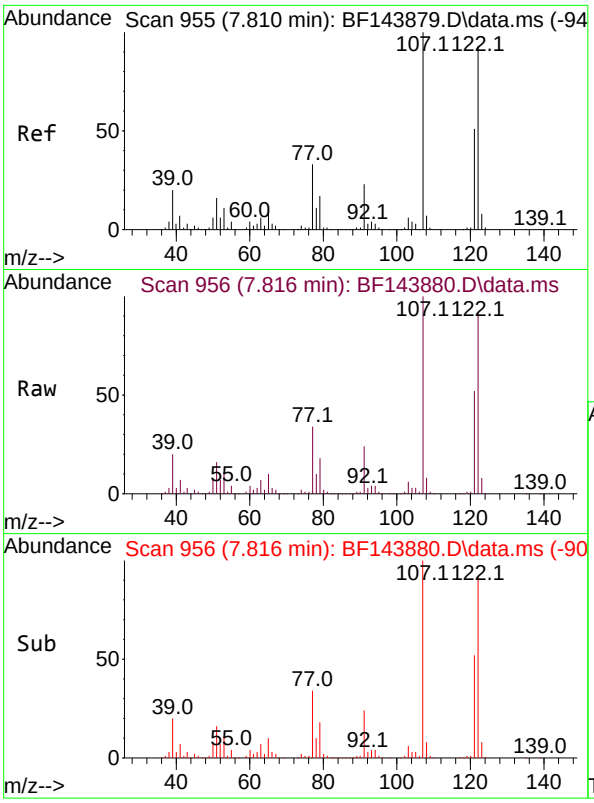


#26
2-Nitrophenol
Concen: 53.208 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



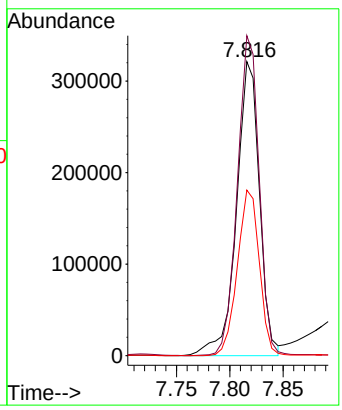


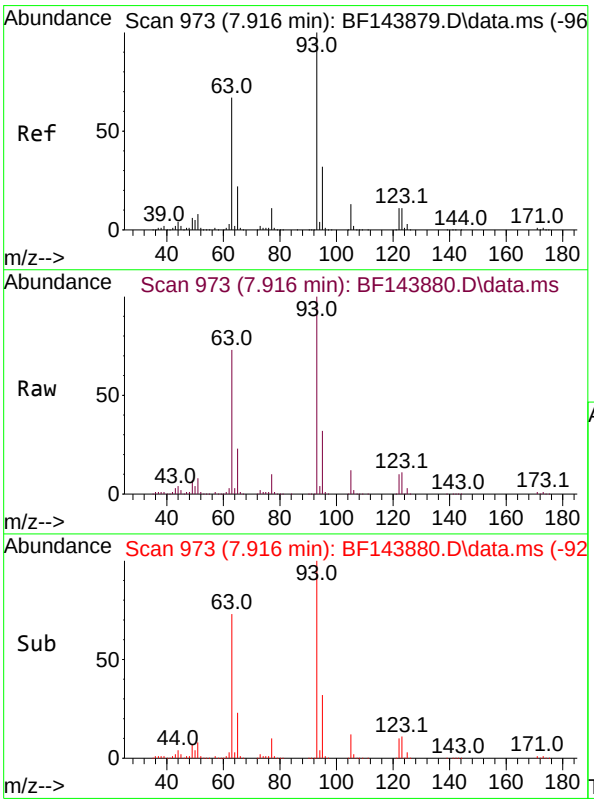
#27
2,4-Dimethylphenol
Concen: 47.987 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

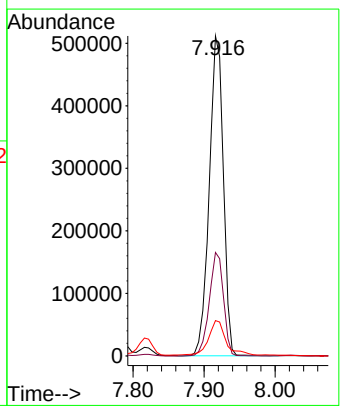


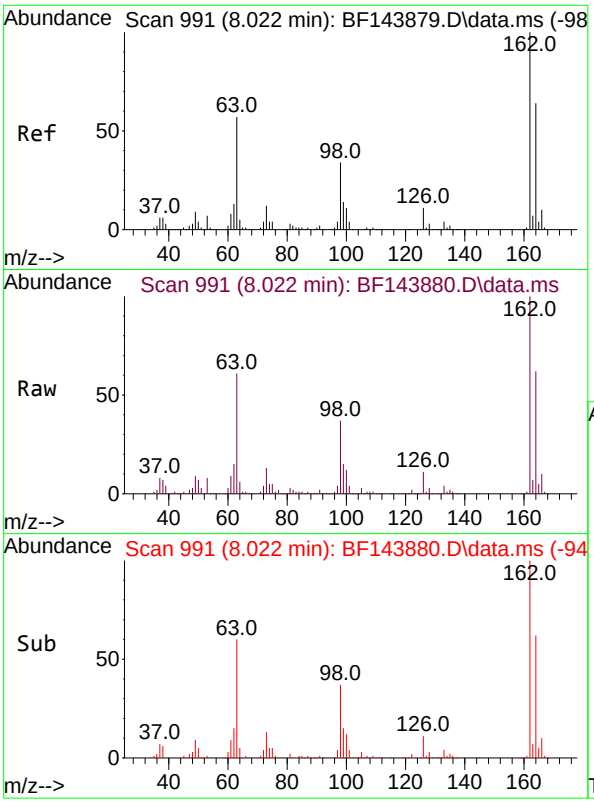


#28
bis(2-Chloroethoxy)methane
Concen: 45.333 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



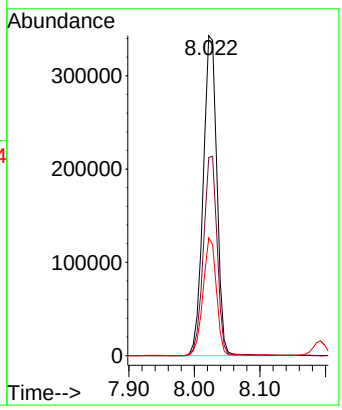


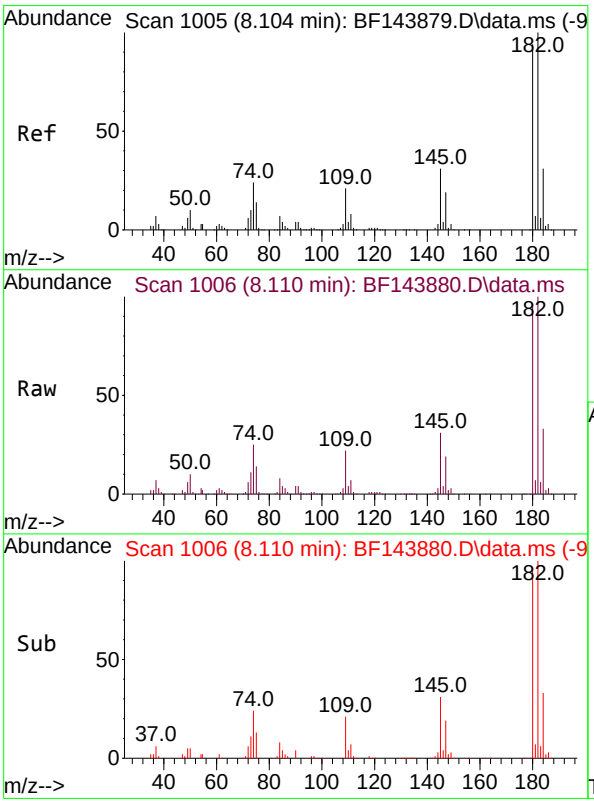
#29
2,4-Dichlorophenol
Concen: 47.642 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

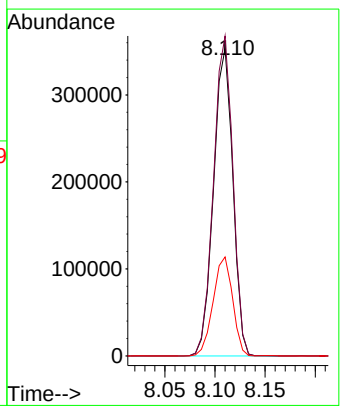


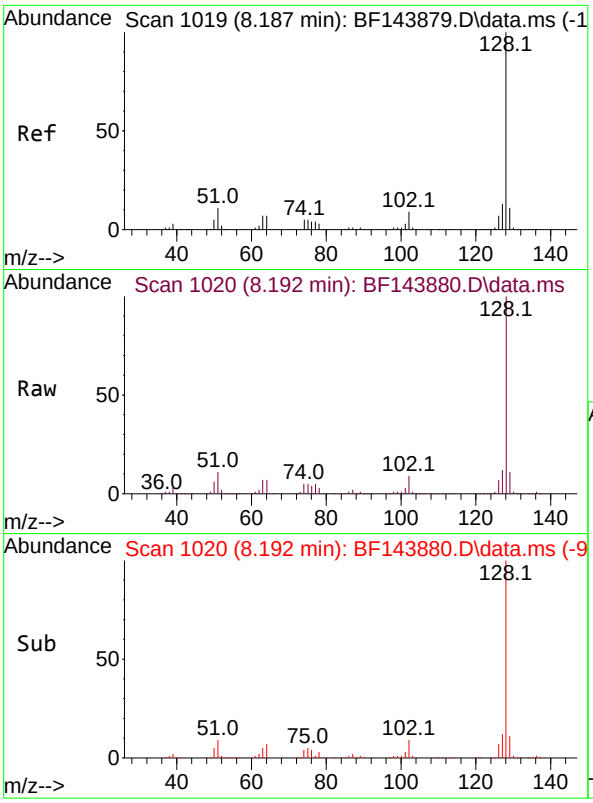


#30
1,2,4-Trichlorobenzene
Concen: 46.083 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



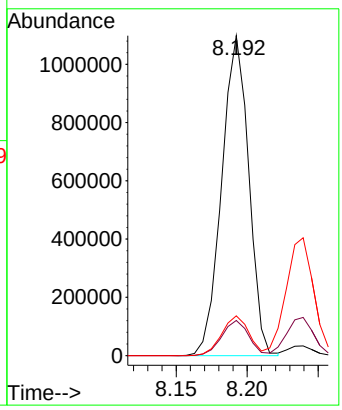


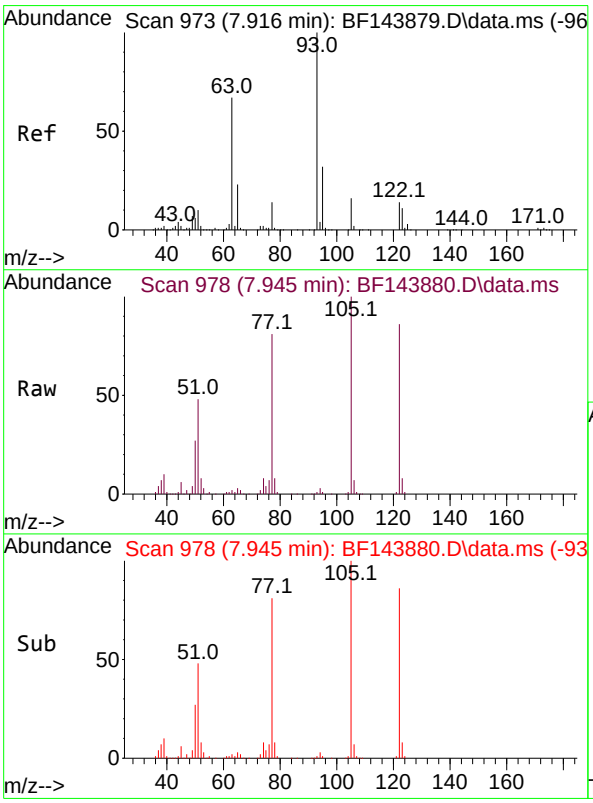
#31
Naphthalene
Concen: 44.890 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

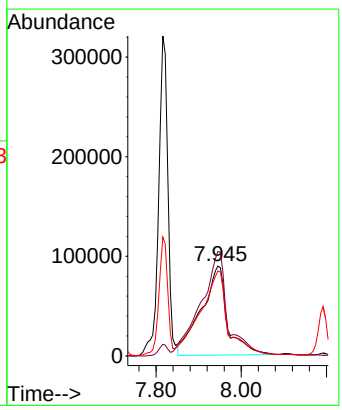


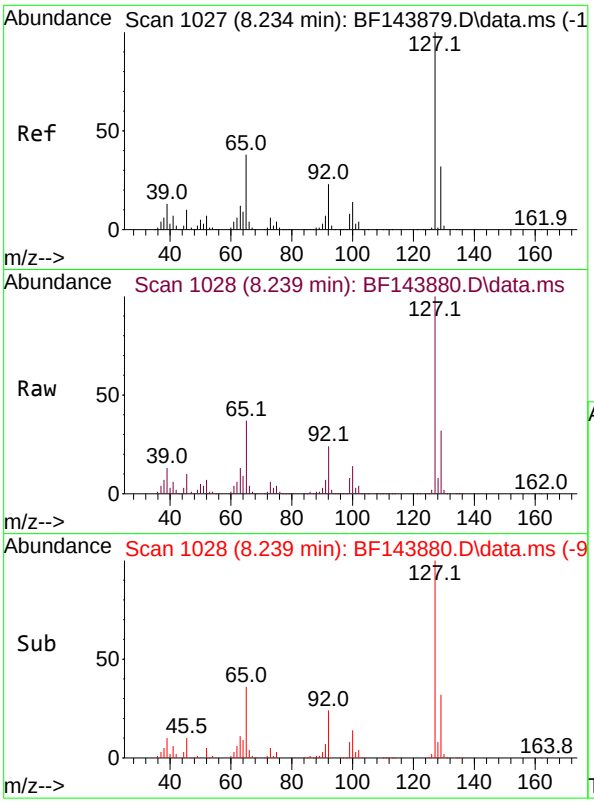


#32
Benzoic acid
Concen: 55.462 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.018 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



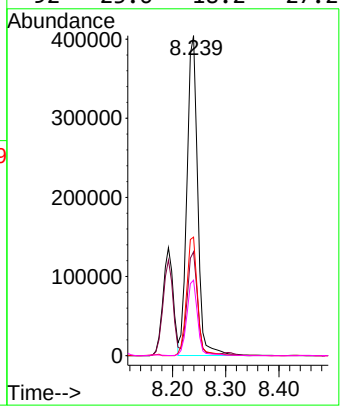


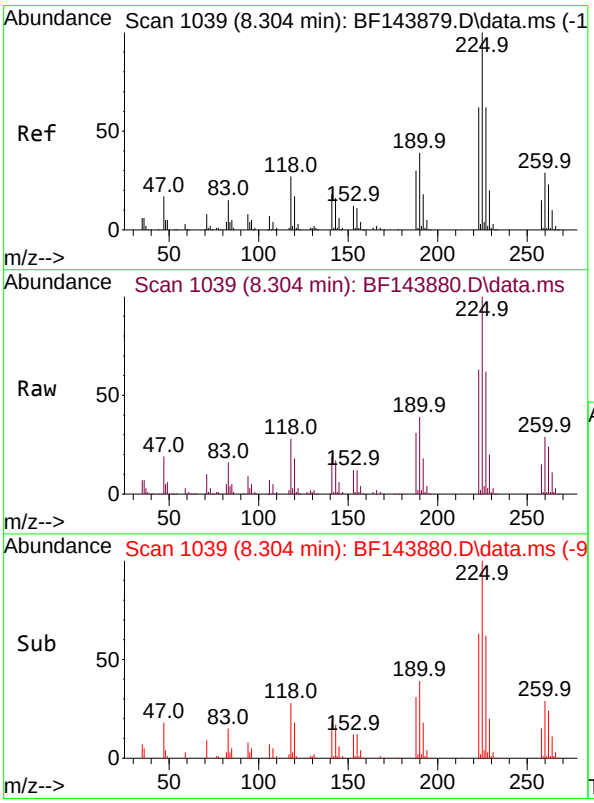
#33
4-Chloroaniline
Concen: 46.813 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

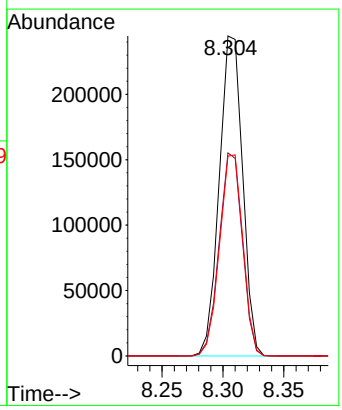


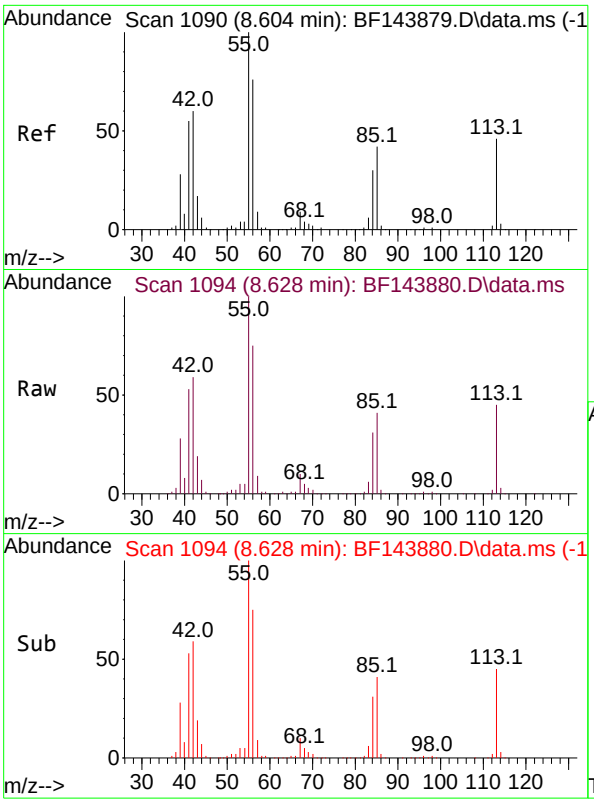


#34
Hexachlorobutadiene
Concen: 45.586 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



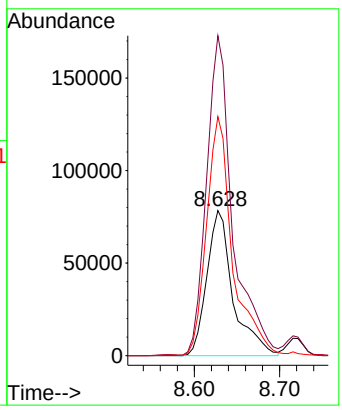


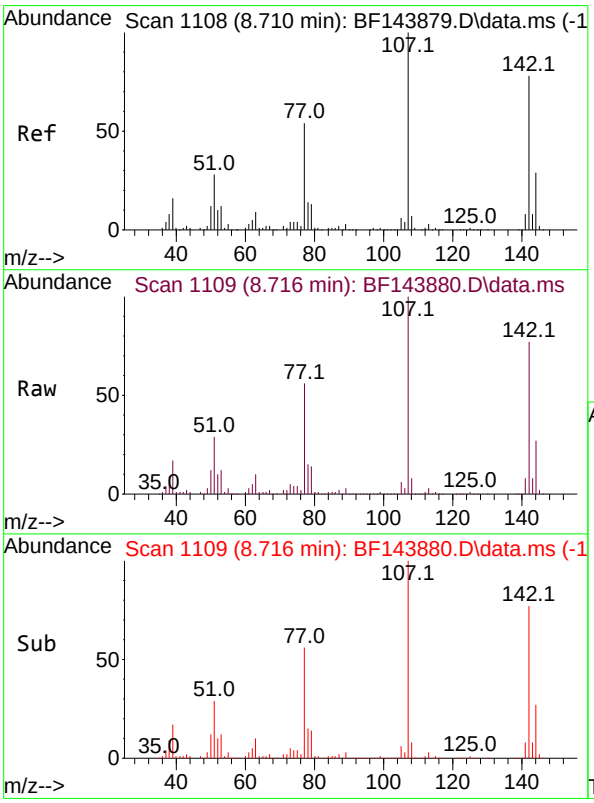
#35
Caprolactam
Concen: 50.565 ng
RT: 8.628 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

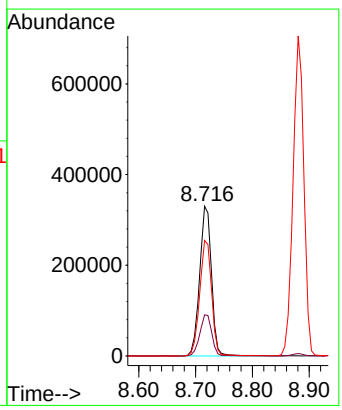


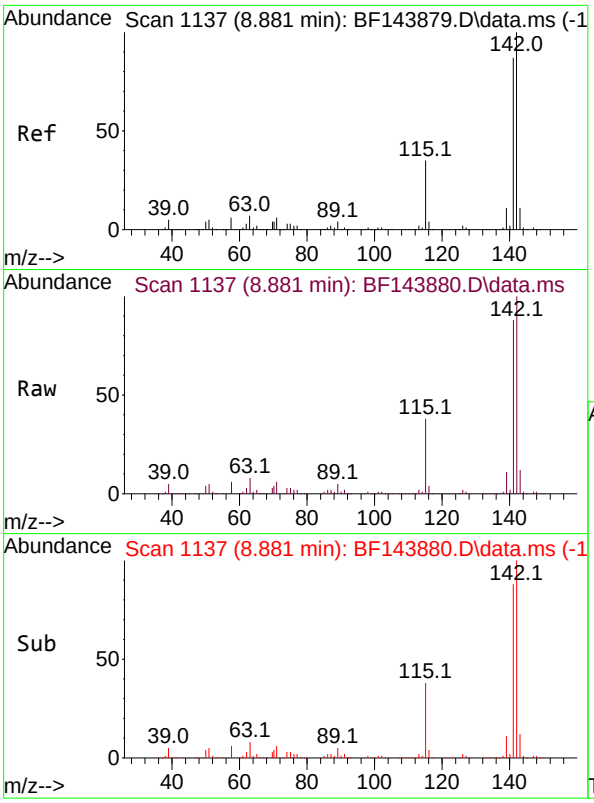


#36
4-Chloro-3-methylphenol
Concen: 47.612 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



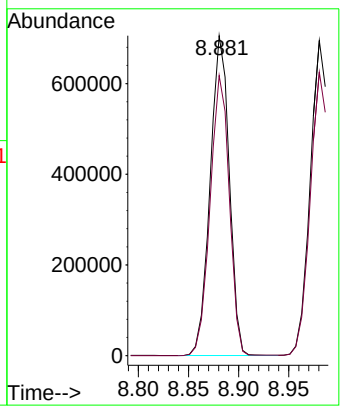


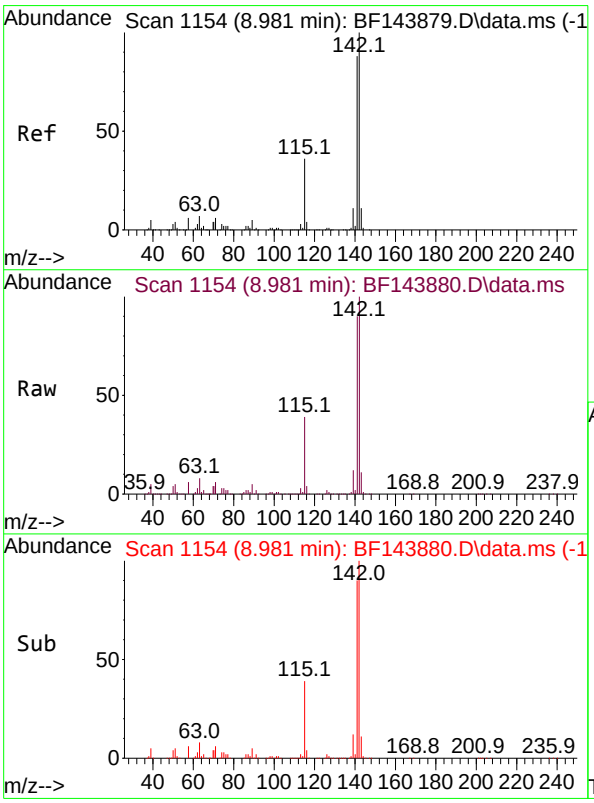
#37
2-Methylnaphthalene
Concen: 43.453 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 935960

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.2	103.8

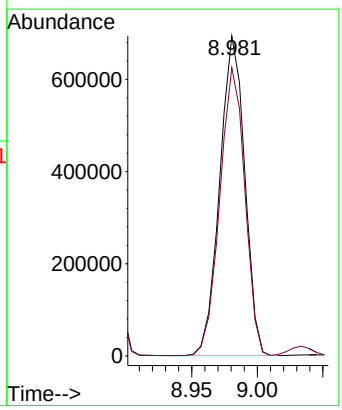


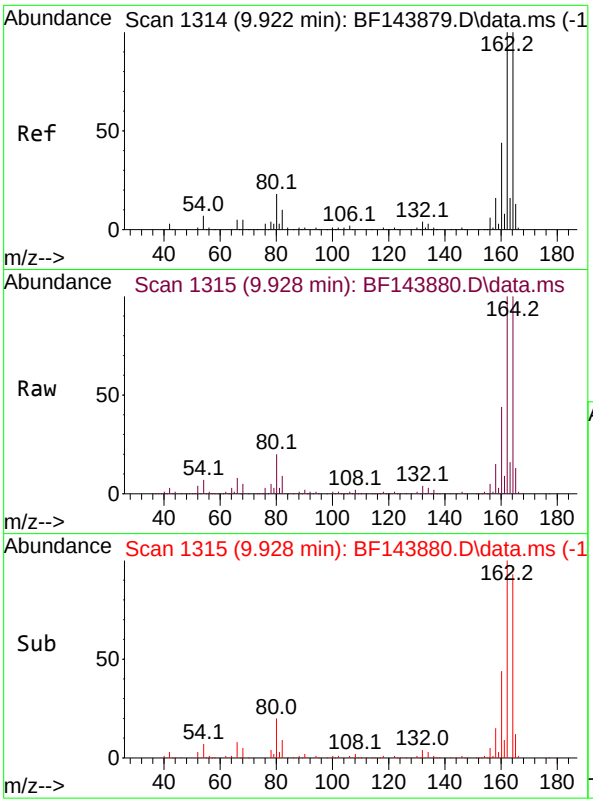


#38
1-Methylnaphthalene
Concen: 43.965 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

Tgt Ion:142 Resp: 918550

Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2



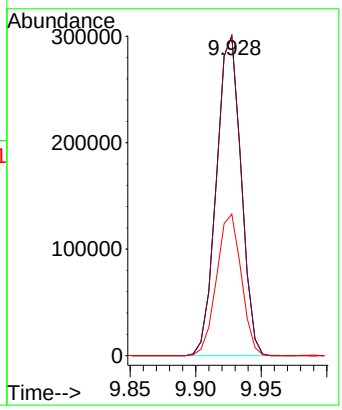


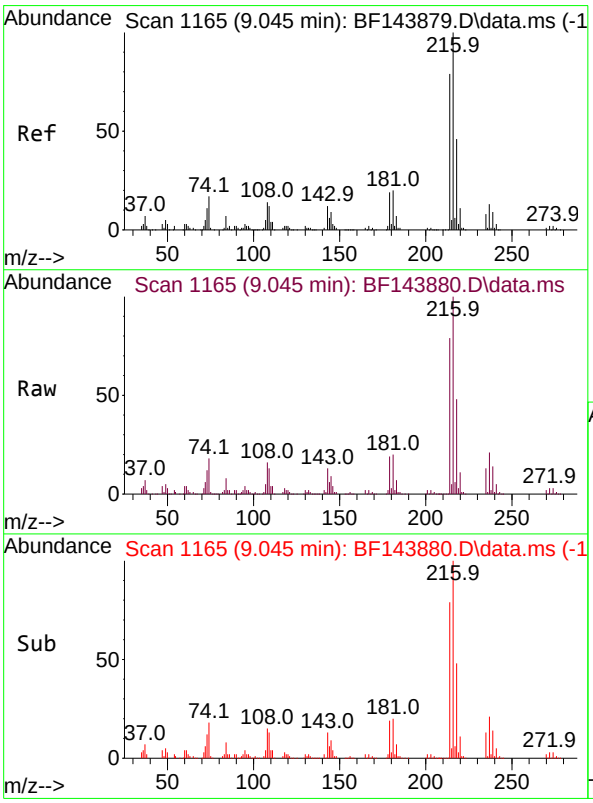
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

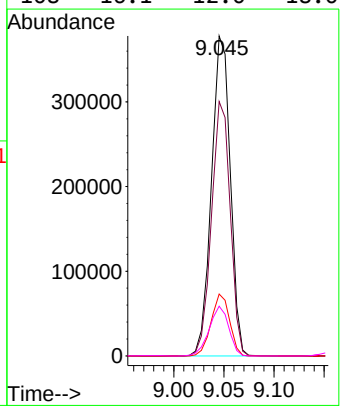


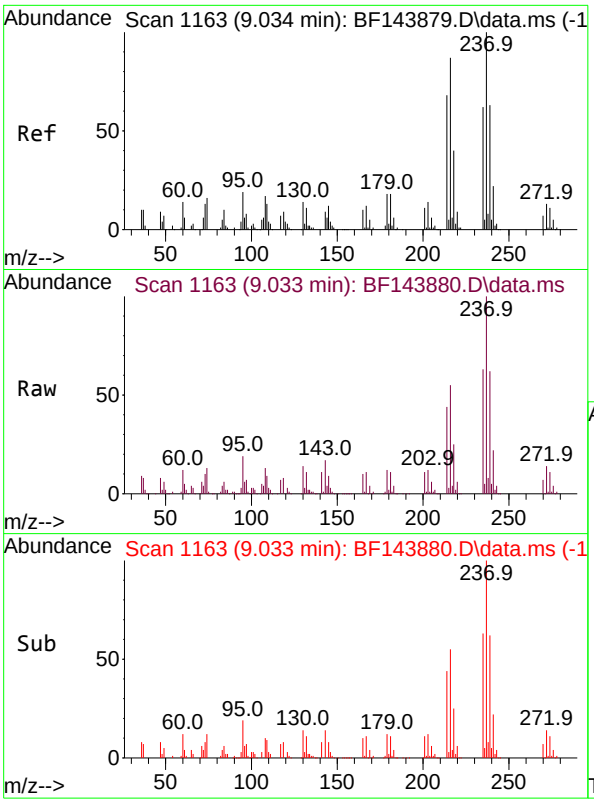


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.187 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



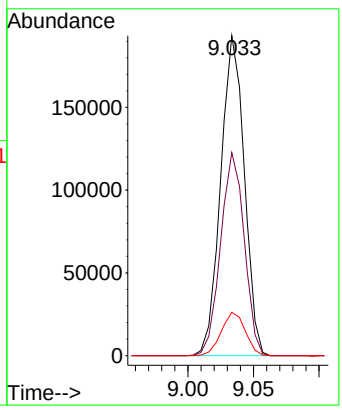


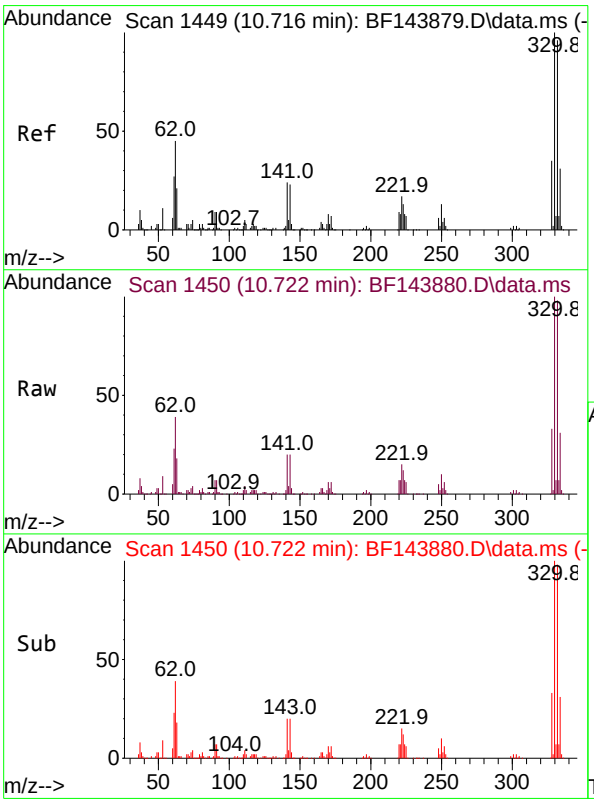
#41
Hexachlorocyclopentadiene
Concen: 53.686 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

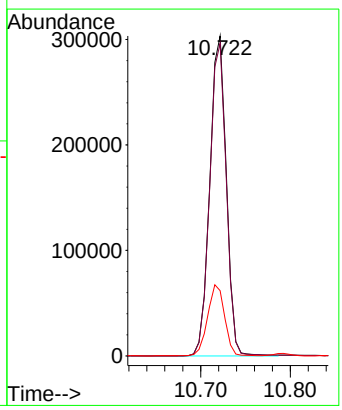


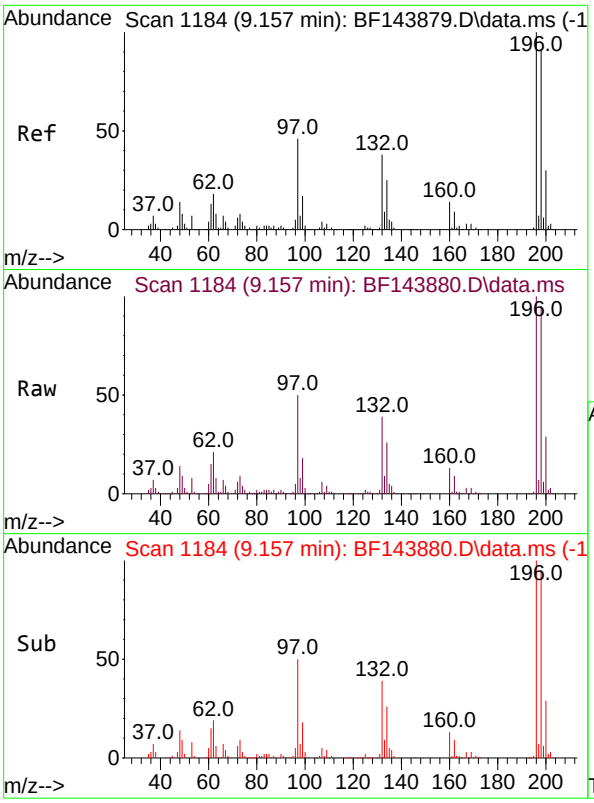


#42
2,4,6-Tribromophenol
Concen: 99.608 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



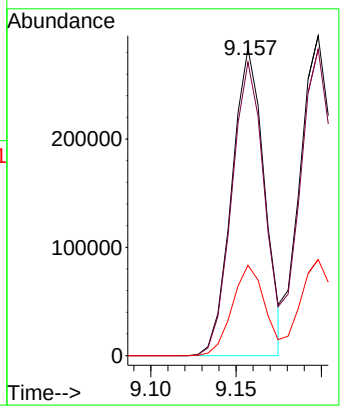


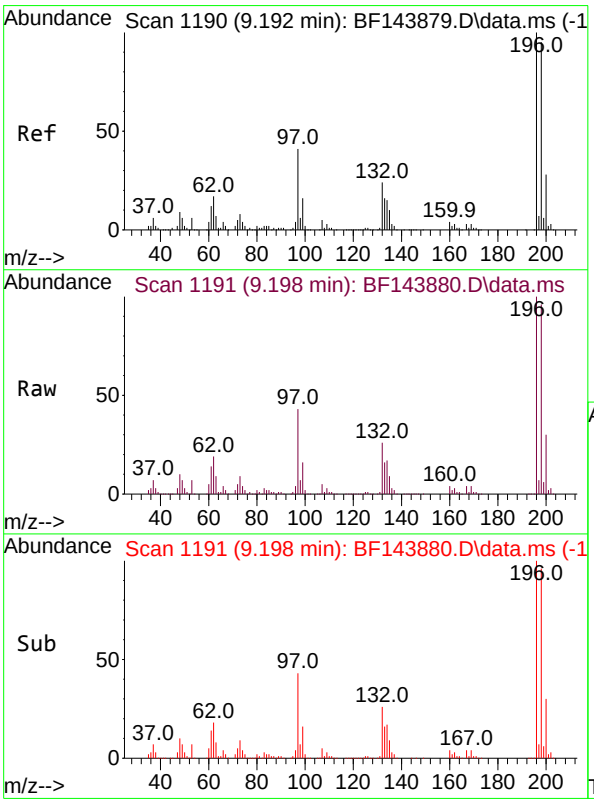
#43
2,4,6-Trichlorophenol
Concen: 47.410 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

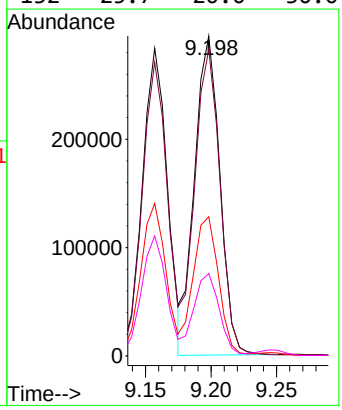


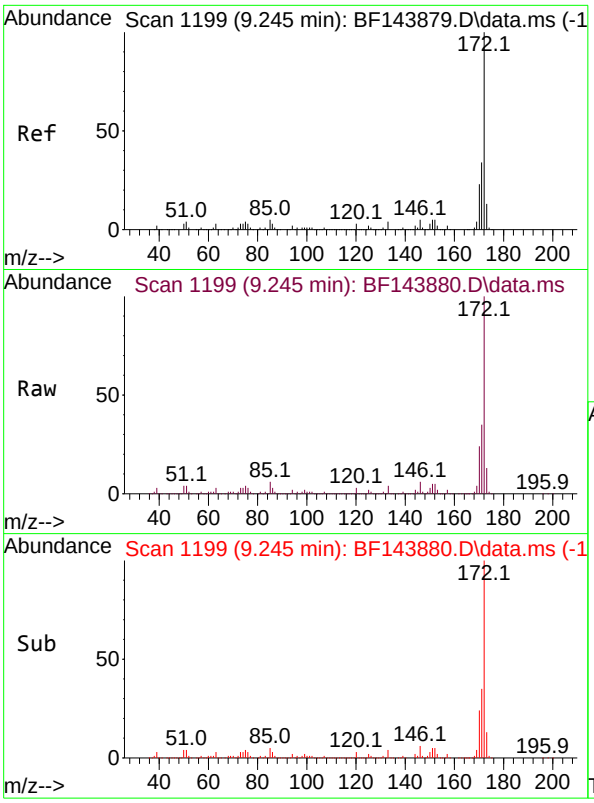


#44
2,4,5-Trichlorophenol
Concen: 47.031 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



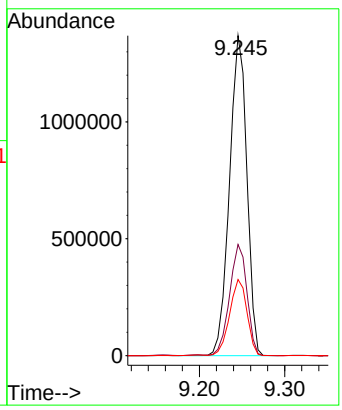


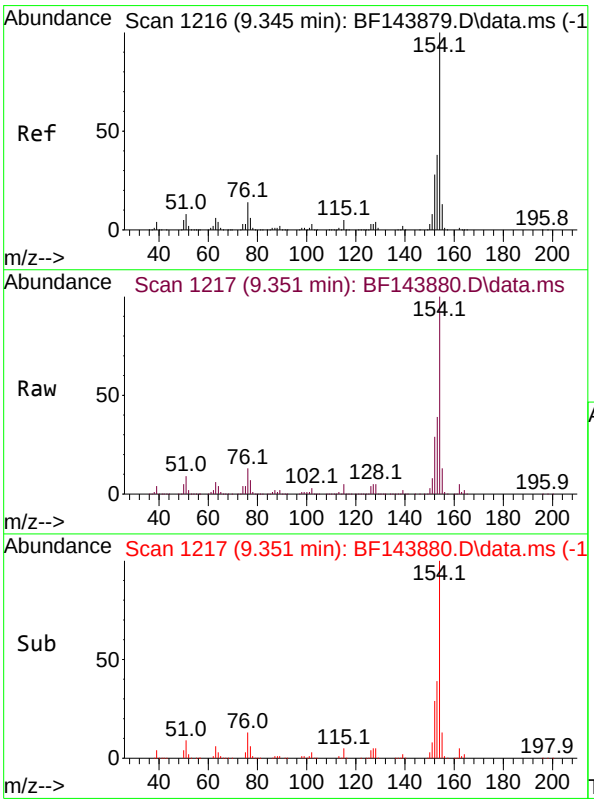
#45
2-Fluorobiphenyl
Concen: 78.050 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

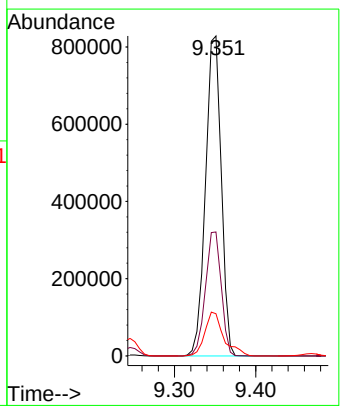


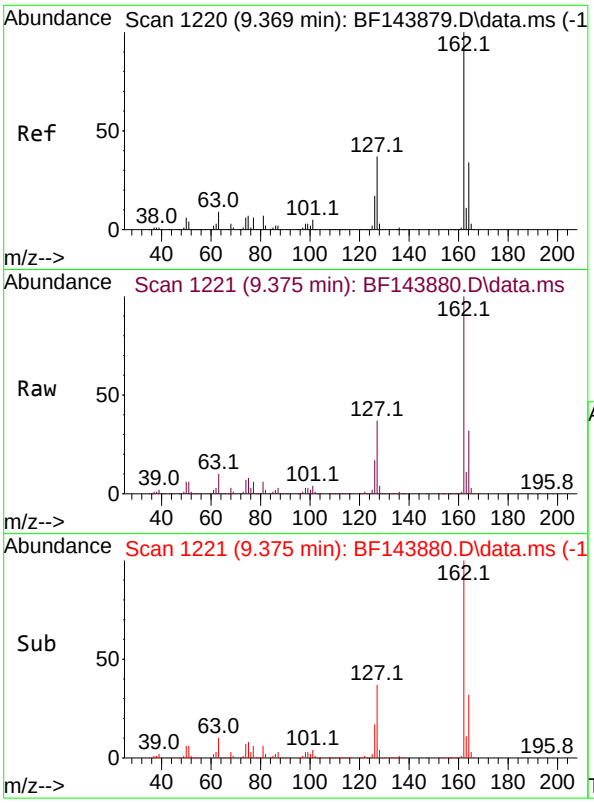


#46
1,1'-Biphenyl
Concen: 42.837 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



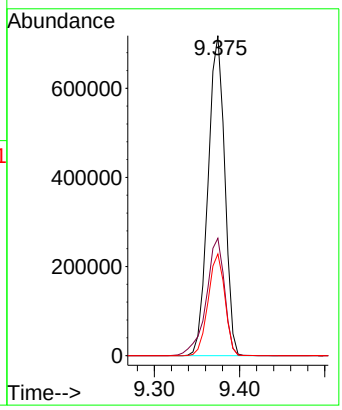


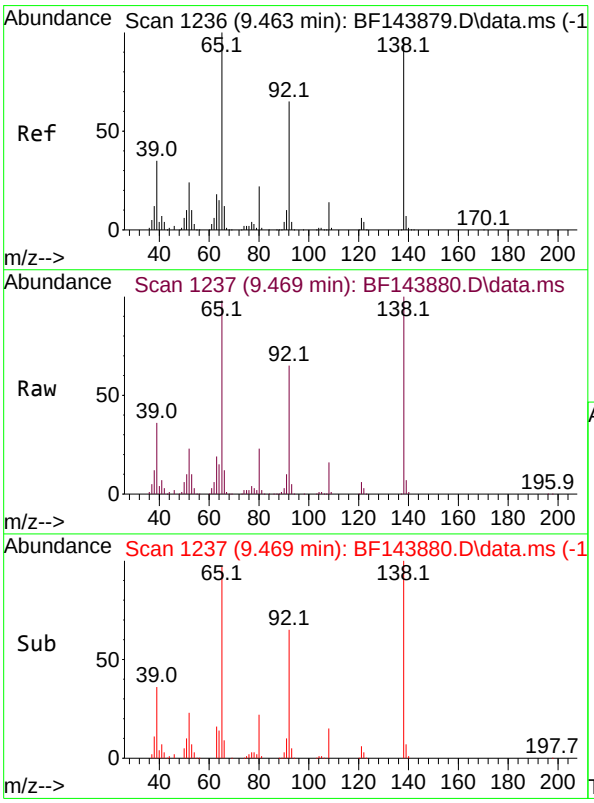
#47
2-Chloronaphthalene
Concen: 44.748 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

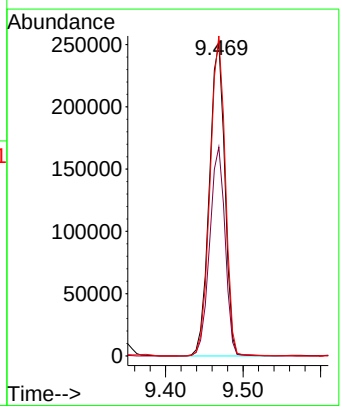


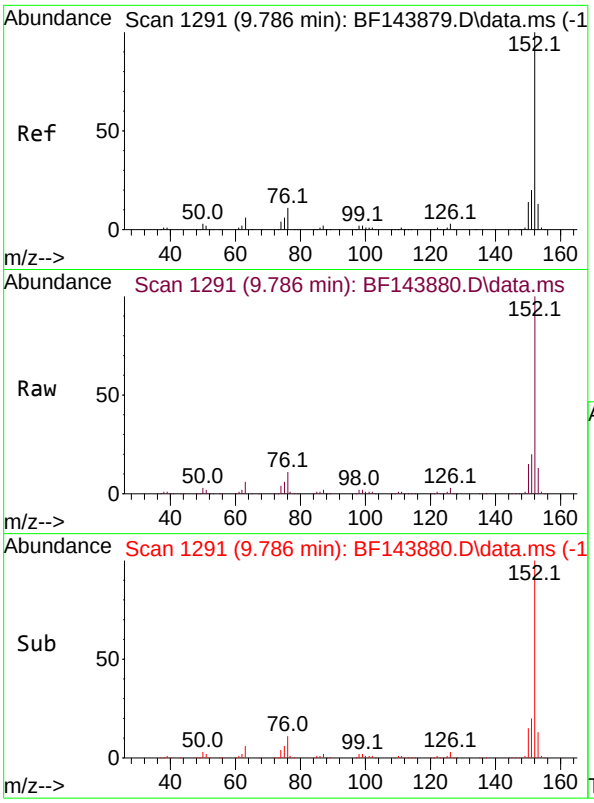


#48
2-Nitroaniline
Concen: 50.665 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



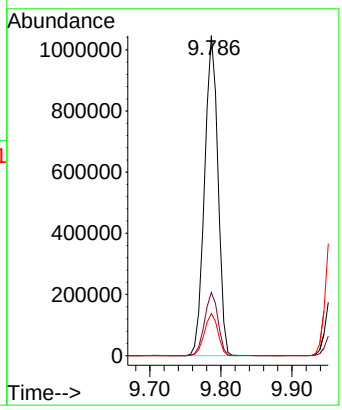


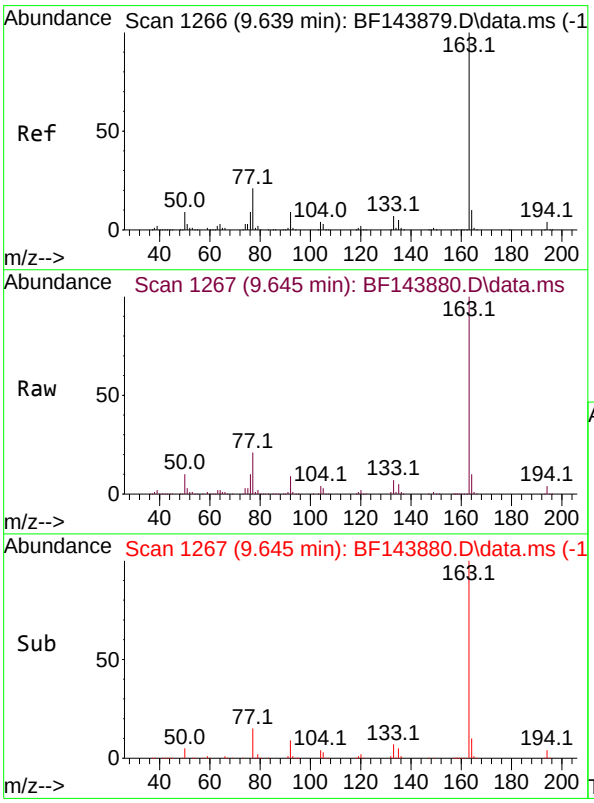
#49
Acenaphthylene
Concen: 44.642 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

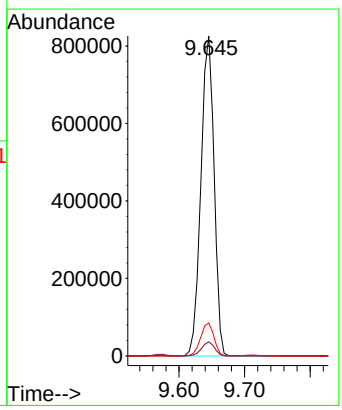


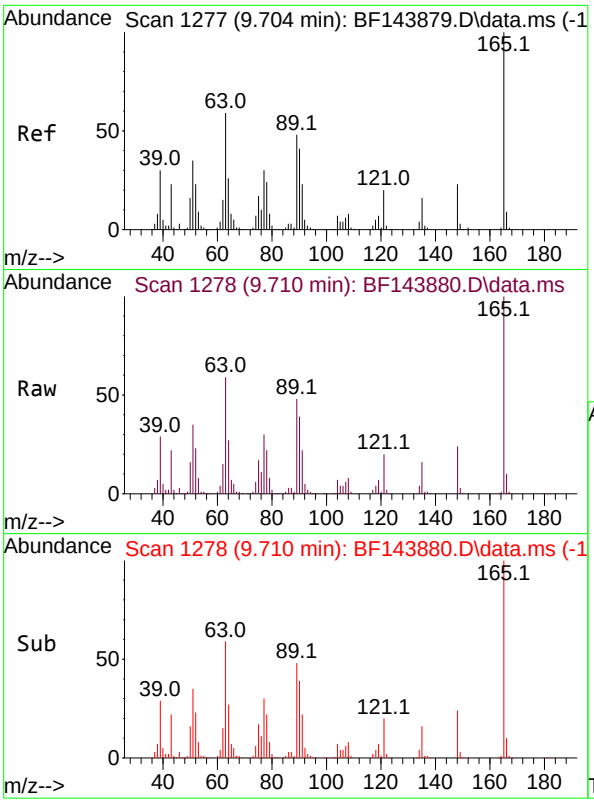


#50
Dimethylphthalate
Concen: 45.888 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



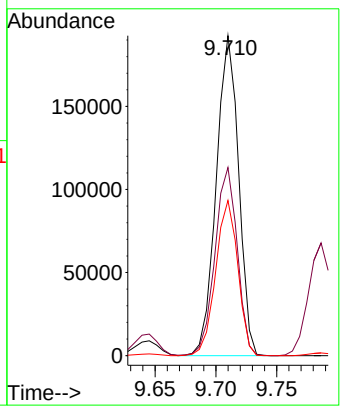


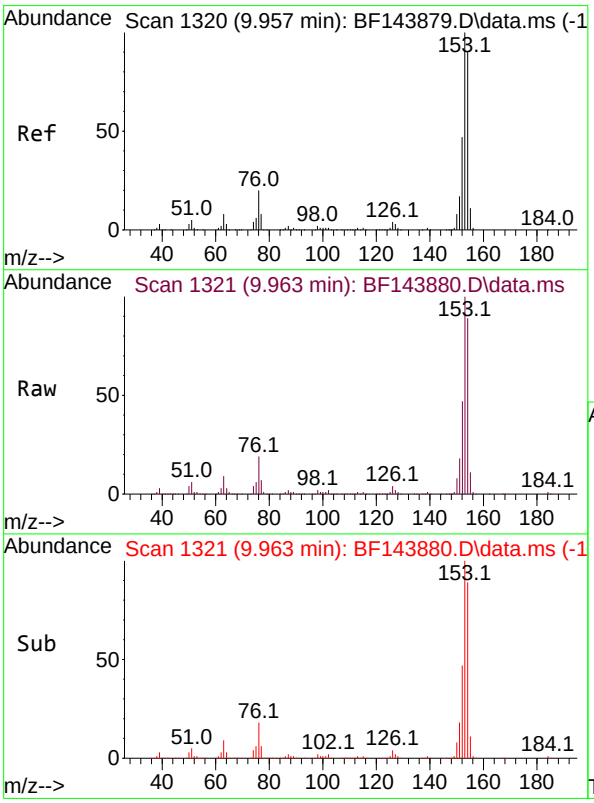
#51
2,6-Dinitrotoluene
Concen: 53.176 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

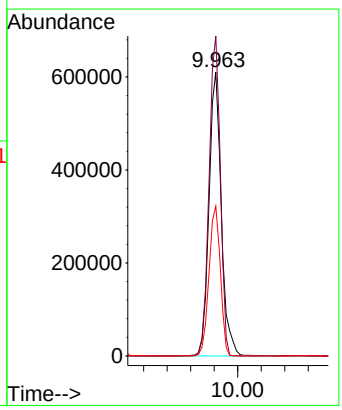


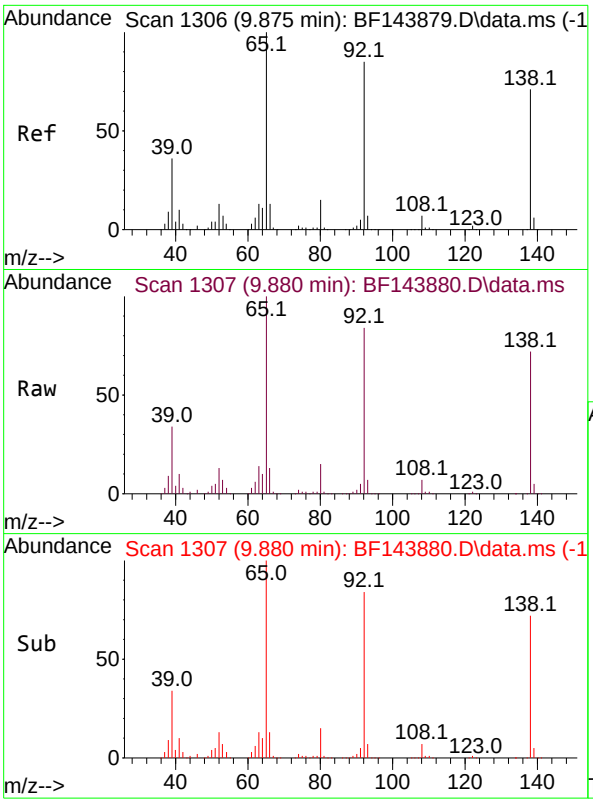


#52
Acenaphthene
Concen: 44.122 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



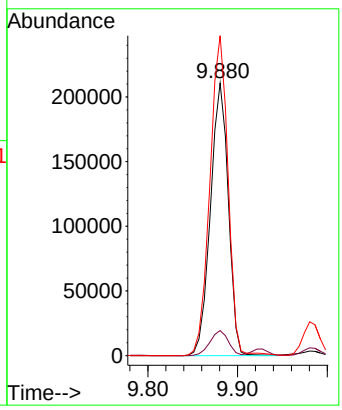


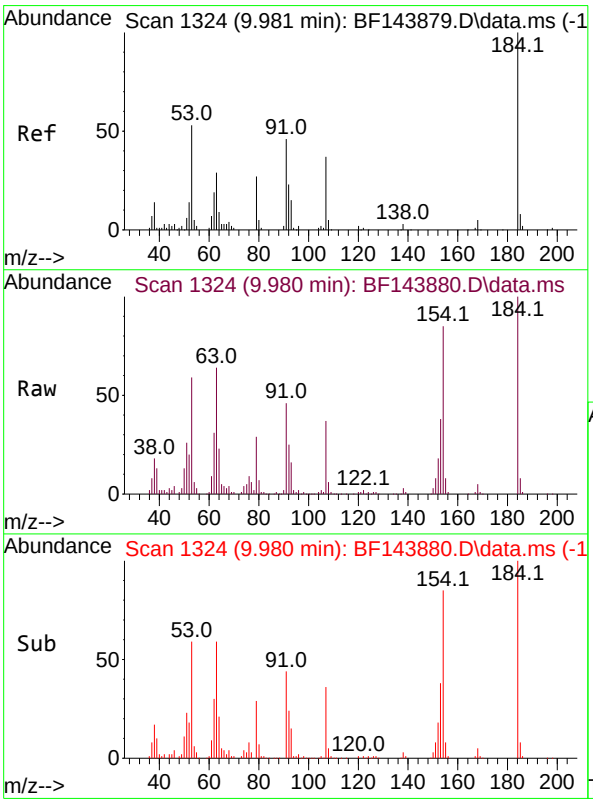
#53
3-Nitroaniline
Concen: 51.366 ng
RT: 9.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

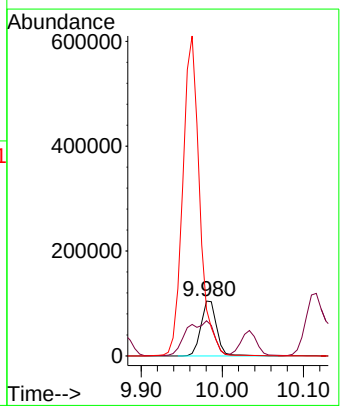


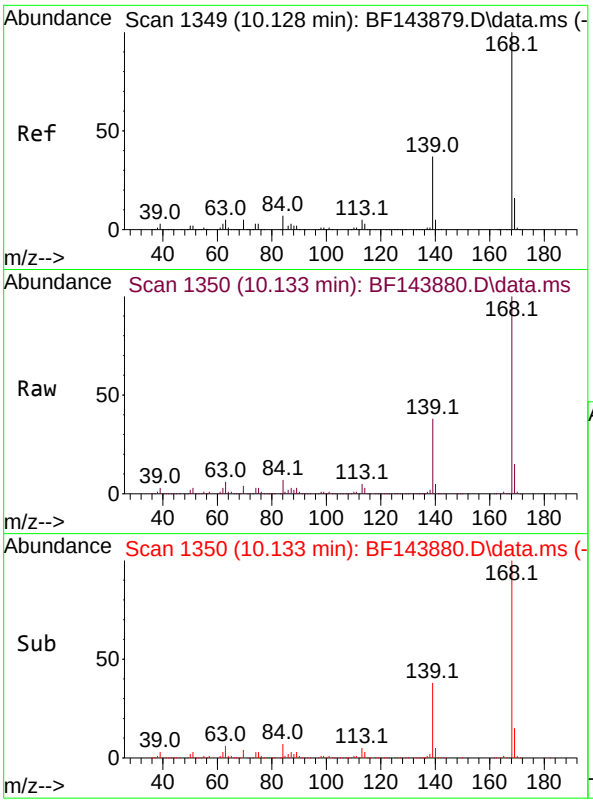


#54
2,4-Dinitrophenol
Concen: 51.801 ng
RT: 9.980 min Scan# 1324
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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#



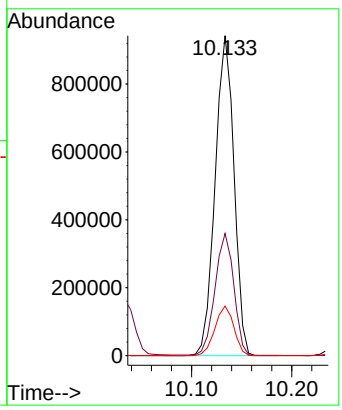


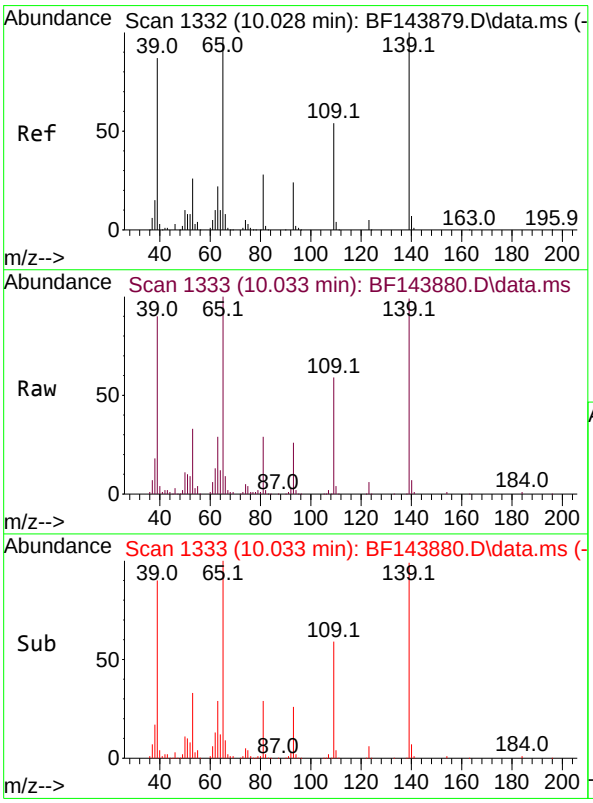
#55
Dibenzofuran
Concen: 43.625 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

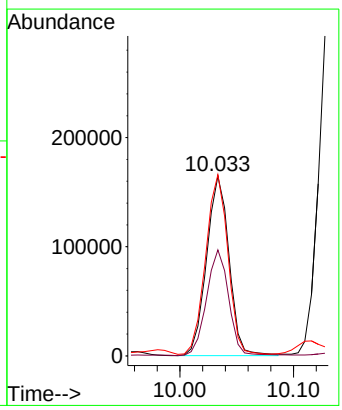


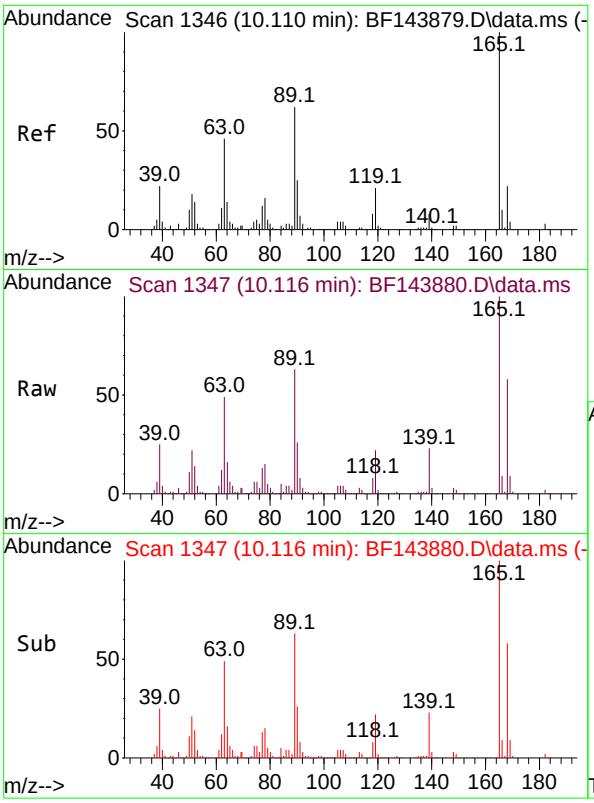


#56
4-Nitrophenol
Concen: 52.750 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



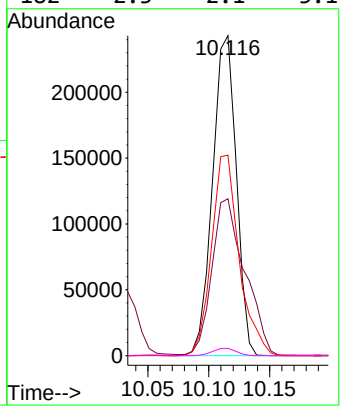


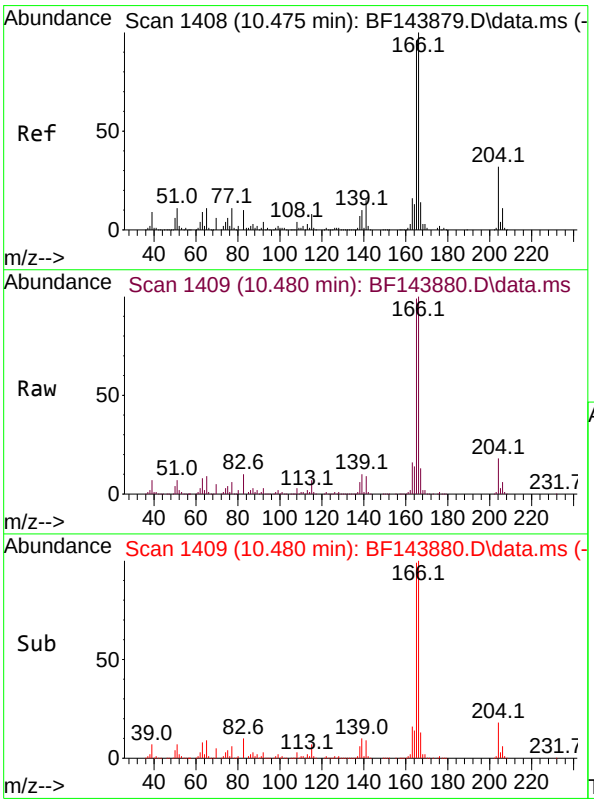
#57
2,4-Dinitrotoluene
Concen: 52.304 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

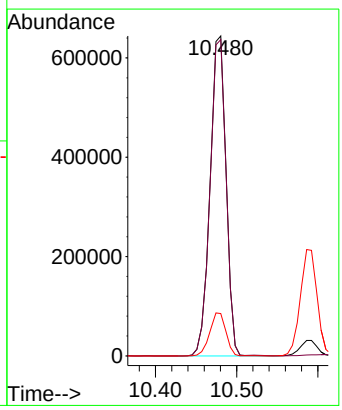


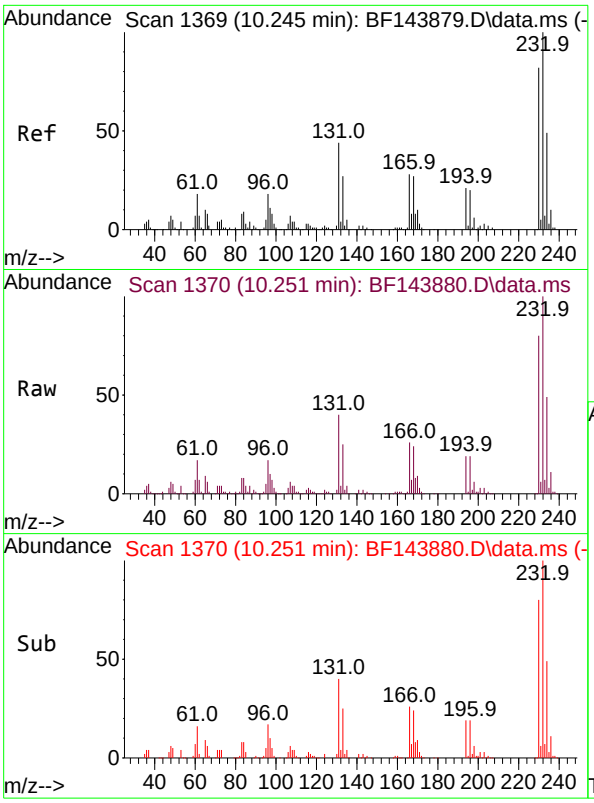


#58
Fluorene
Concen: 41.398 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



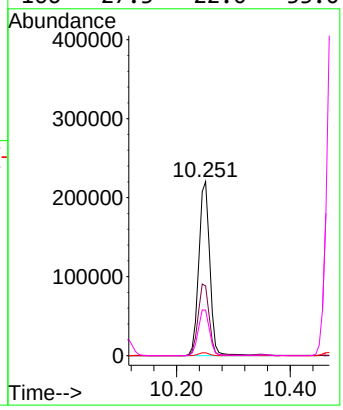


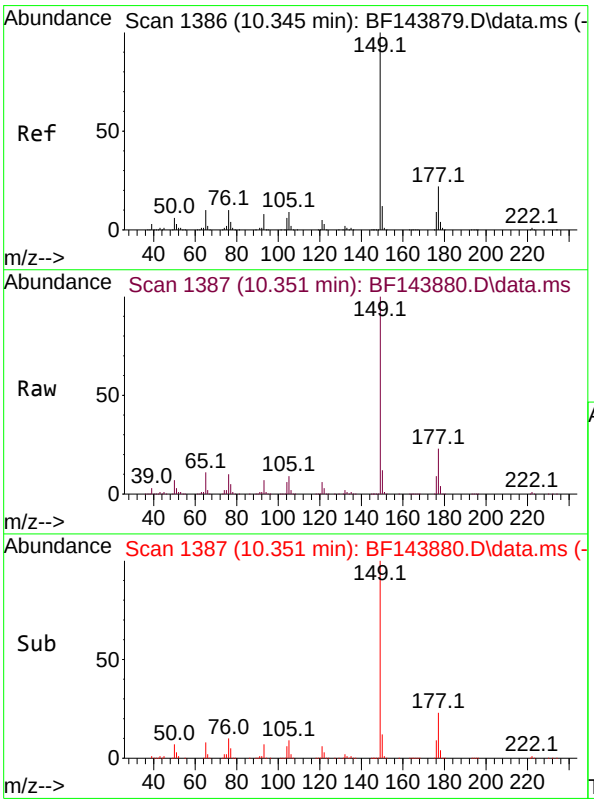
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.591 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

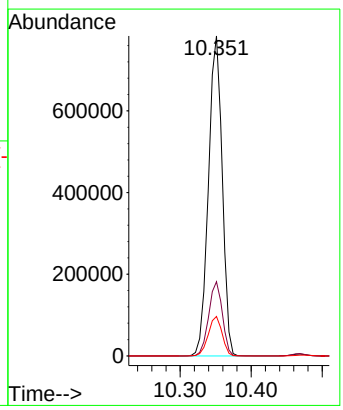


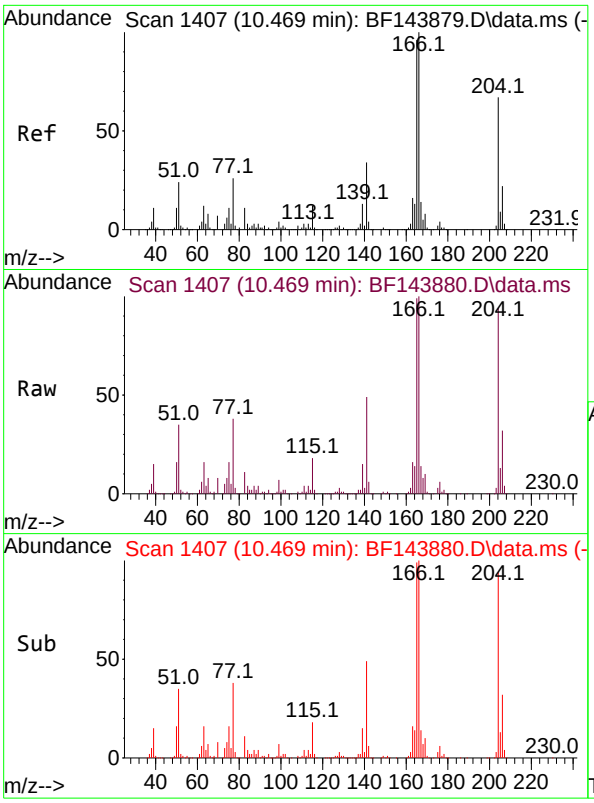


#60
Diethylphthalate
Concen: 45.330 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



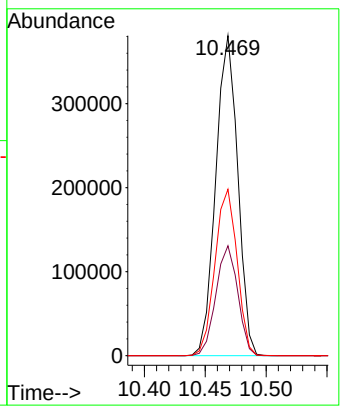


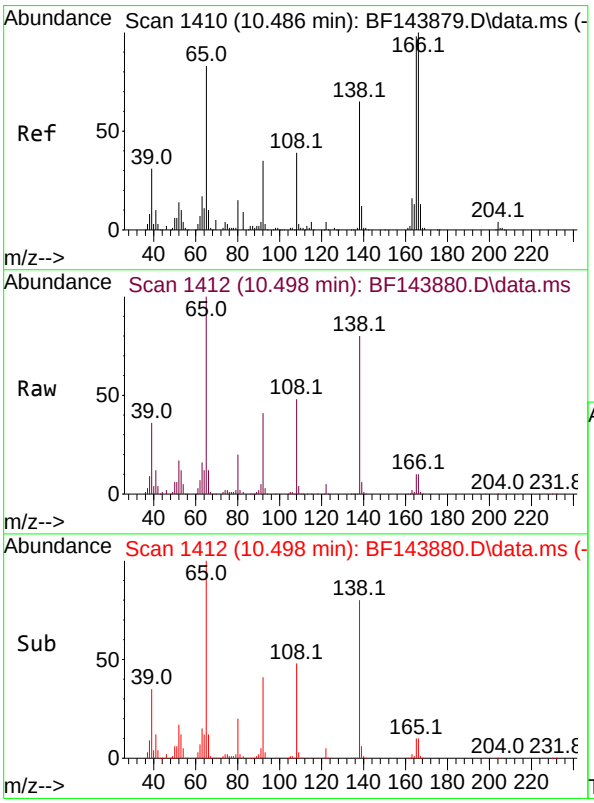
#61
4-Chlorophenyl-phenylether
Concen: 42.311 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

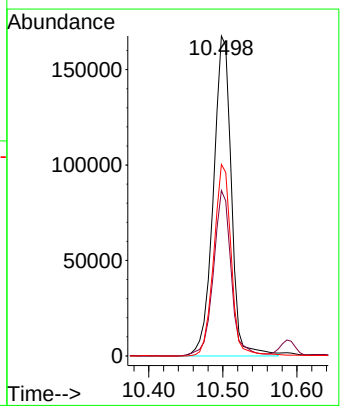


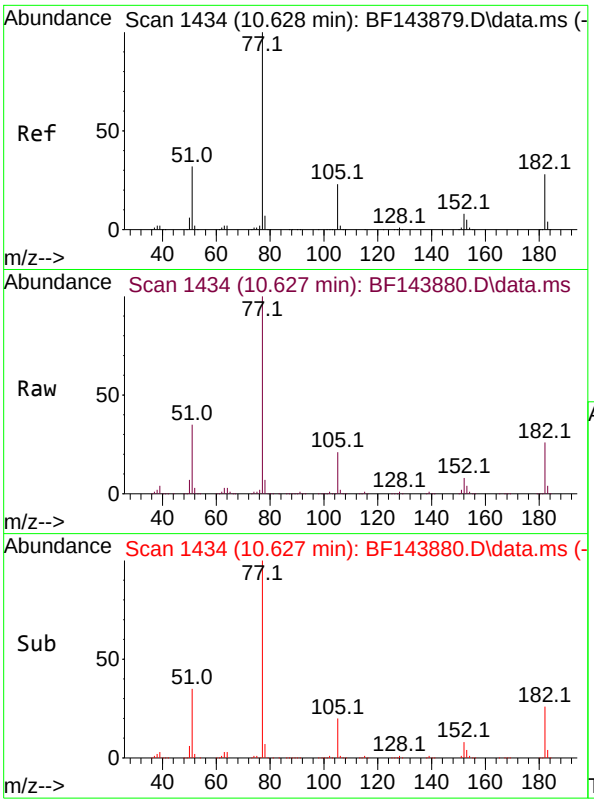


#62
4-Nitroaniline
Concen: 51.782 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



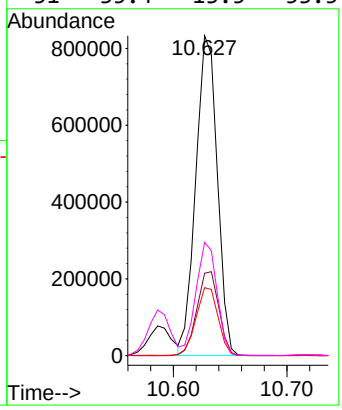


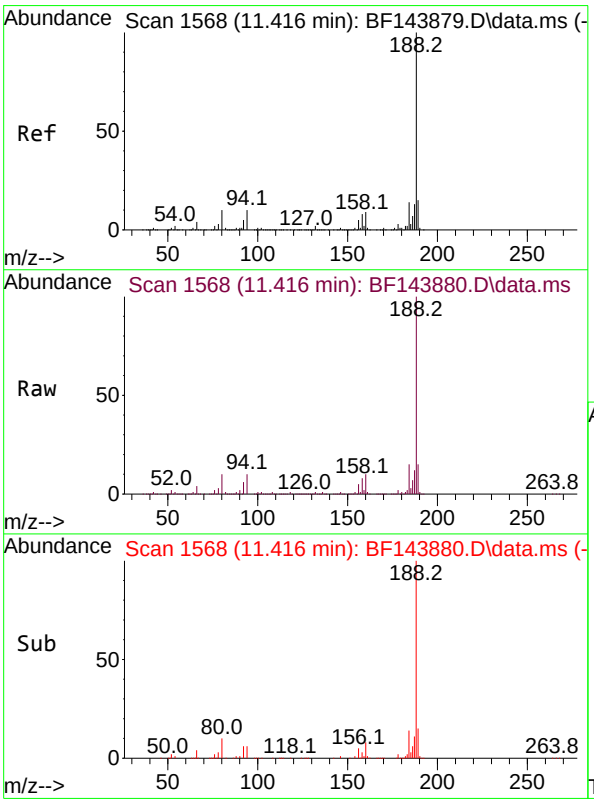
#63
Azobenzene
Concen: 45.178 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

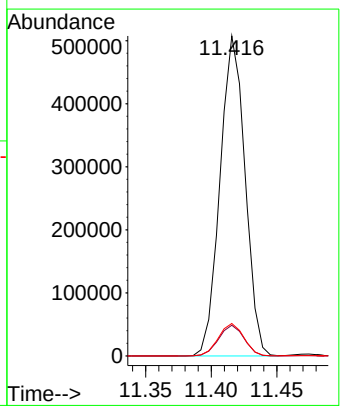


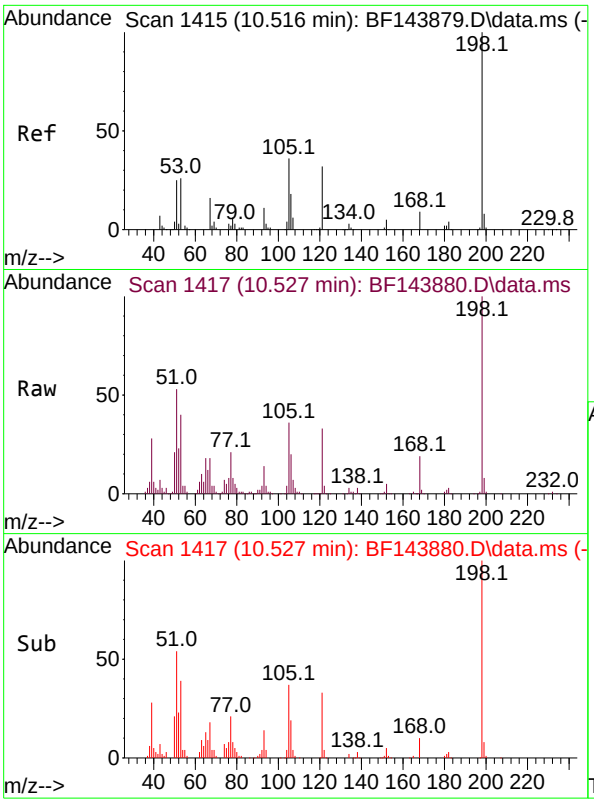


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



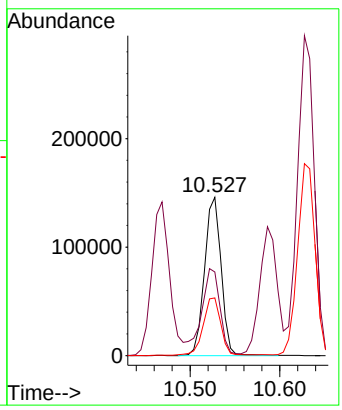


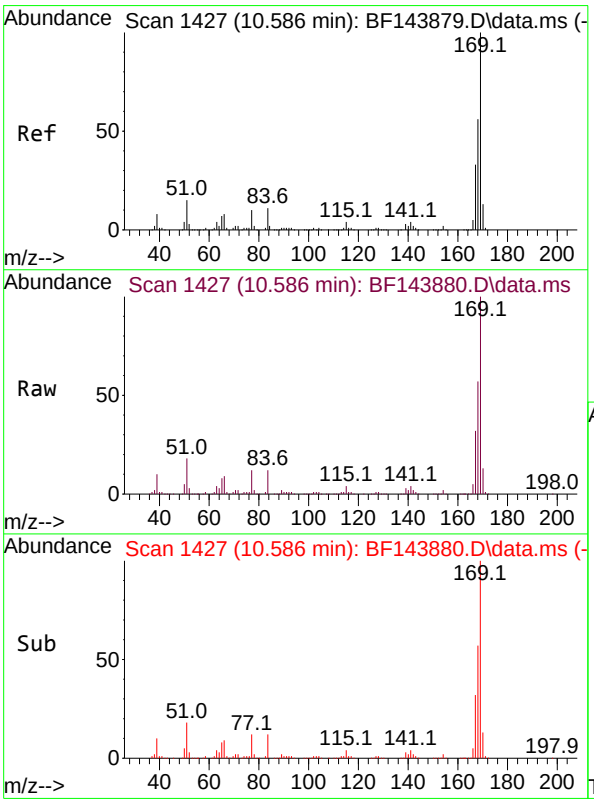
#65
4,6-Dinitro-2-methylphenol
Concen: 55.558 ng
RT: 10.527 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

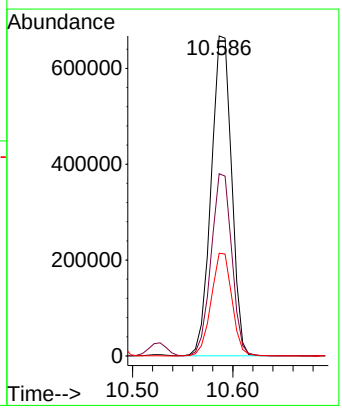


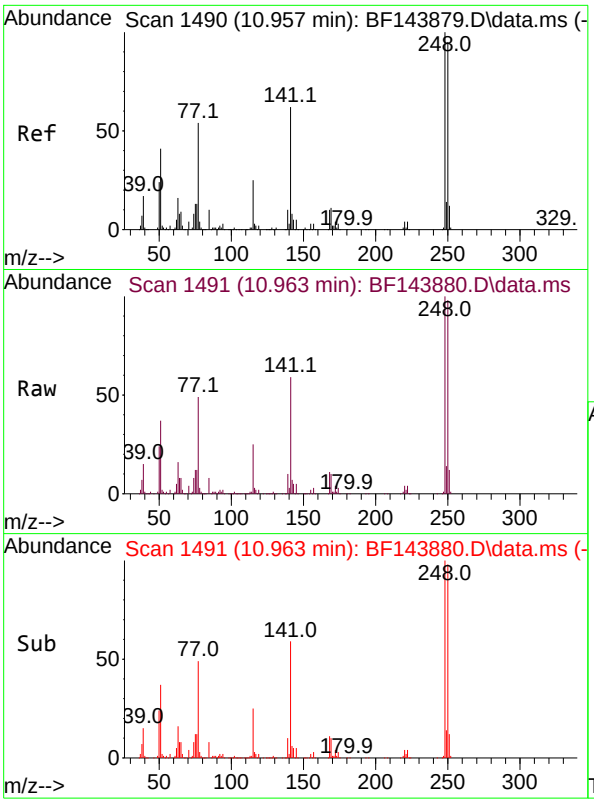


#66
n-Nitrosodiphenylamine
Concen: 44.552 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



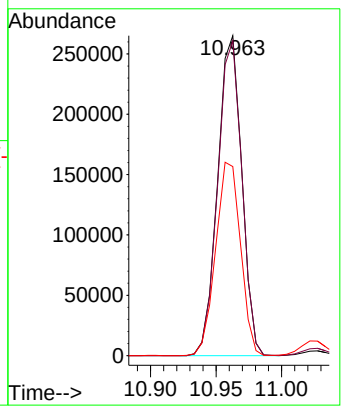


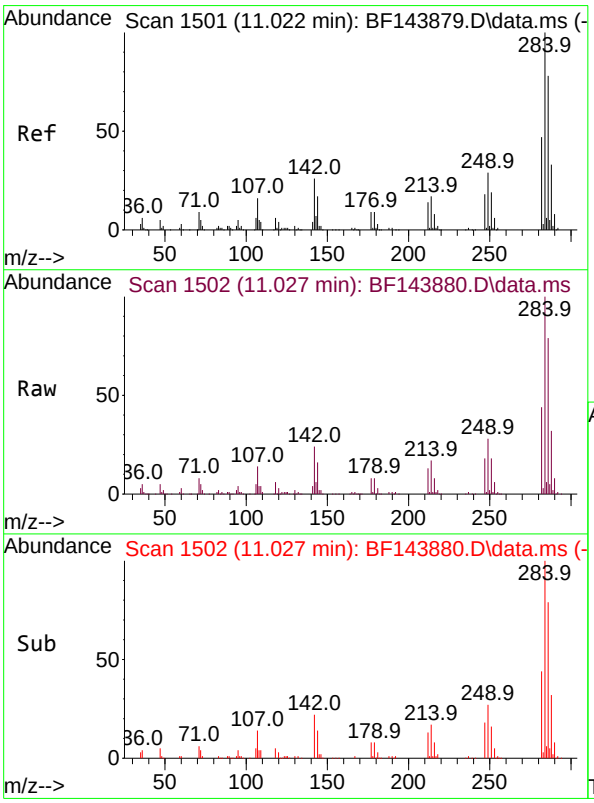
#67
4-Bromophenyl-phenylether
Concen: 45.566 ng
RT: 10.963 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

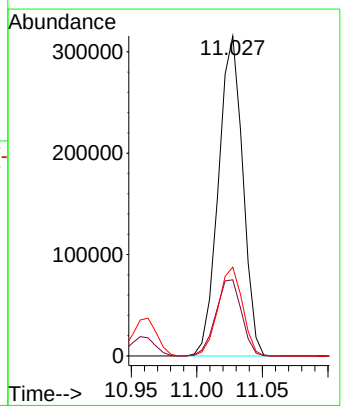


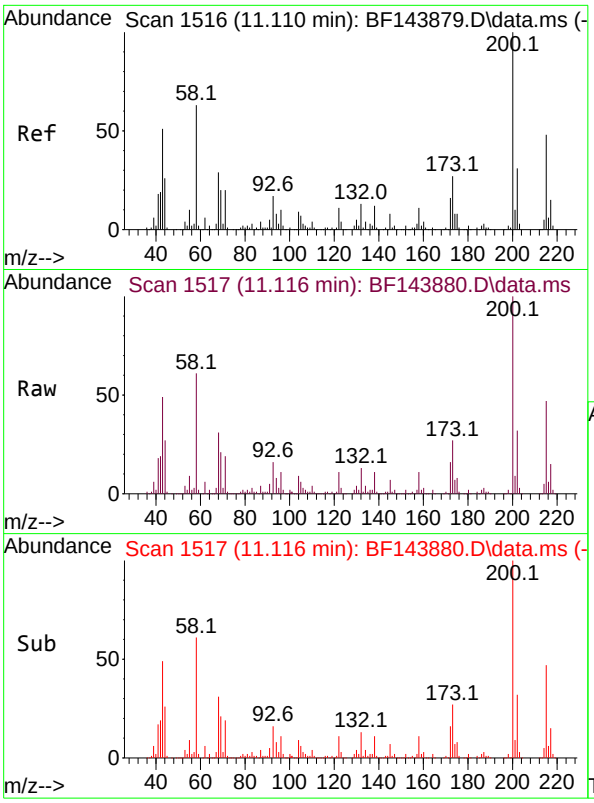


#68
Hexachlorobenzene
Concen: 47.211 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



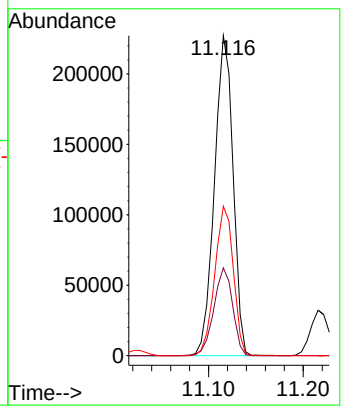


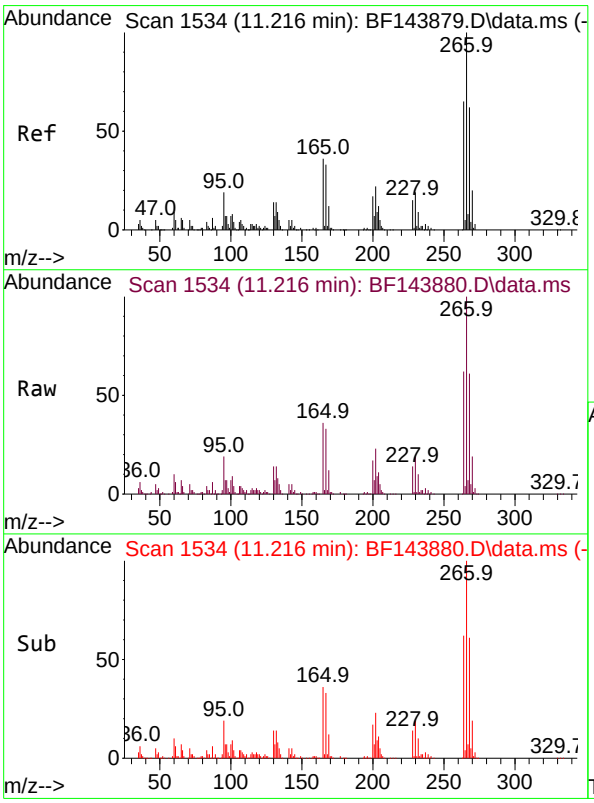
#69
Atrazine
Concen: 48.240 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

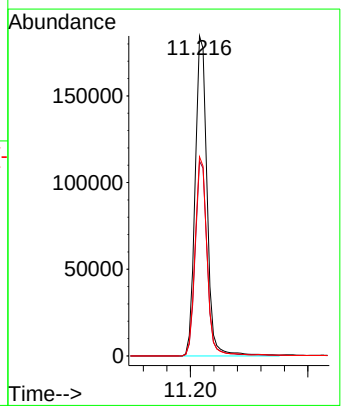


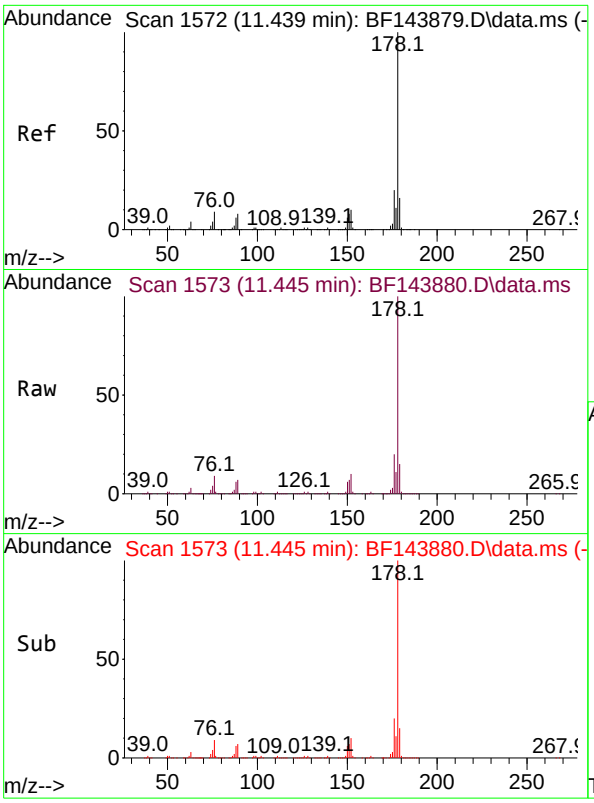


#70
Pentachlorophenol
Concen: 52.304 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



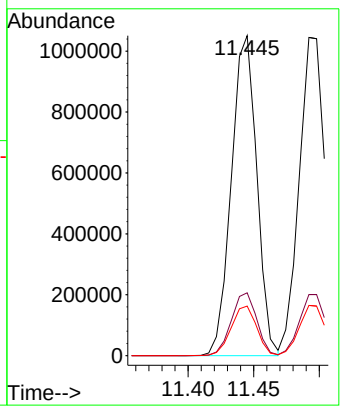


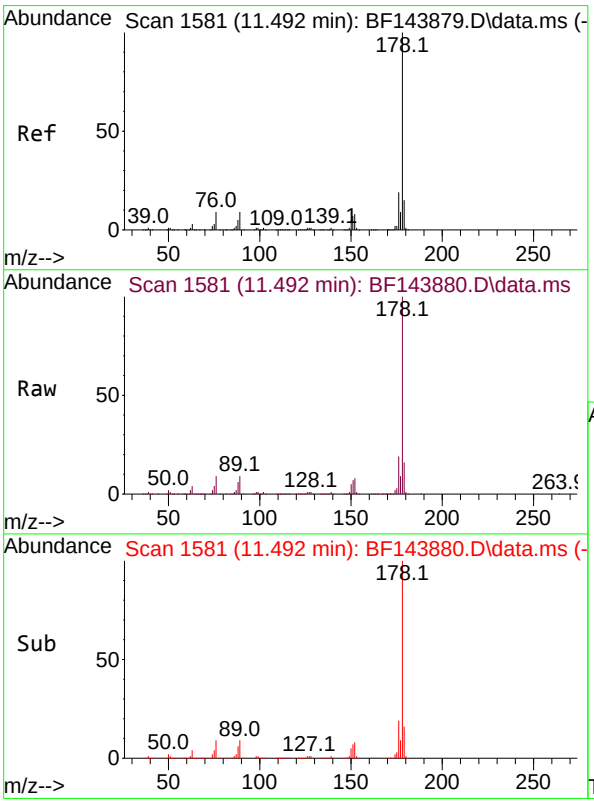
#71
Phenanthrene
Concen: 43.395 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

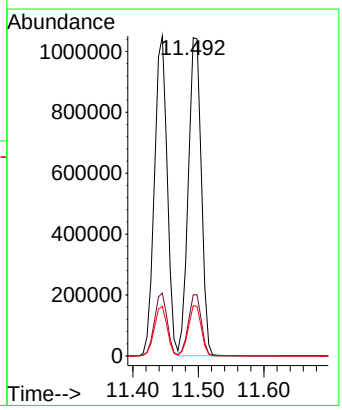


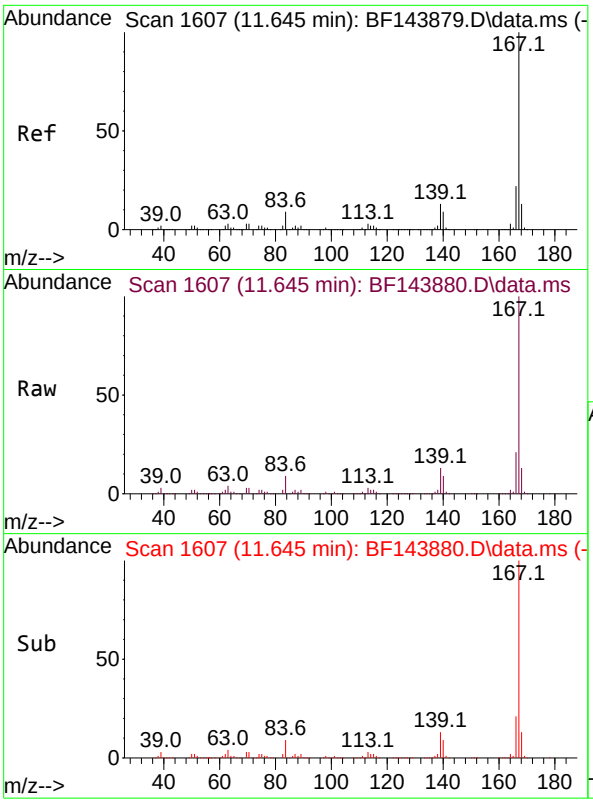


#72
Anthracene
Concen: 43.583 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



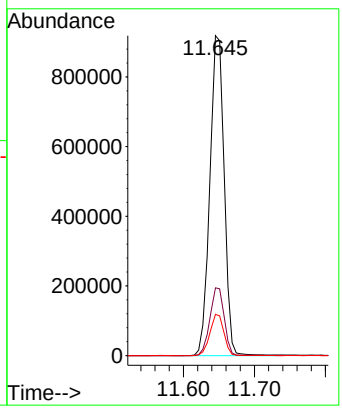


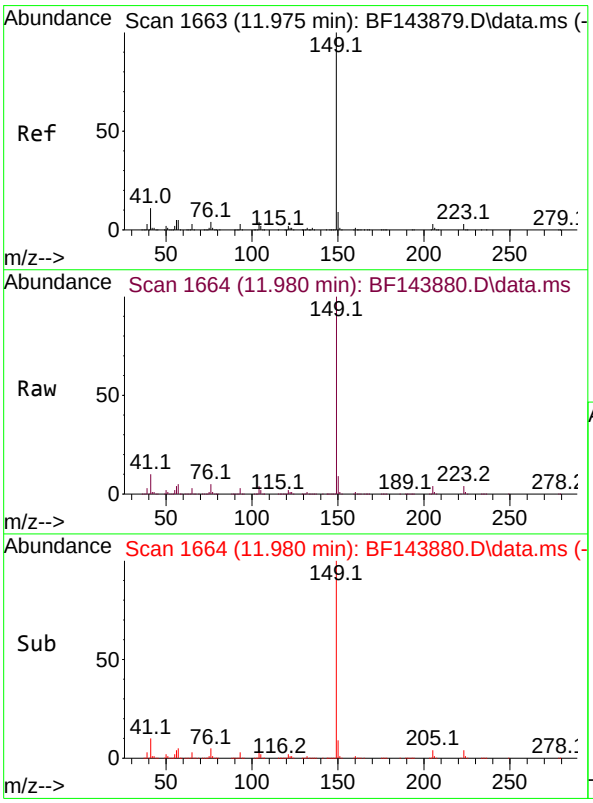
#73
Carbazole
Concen: 44.139 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

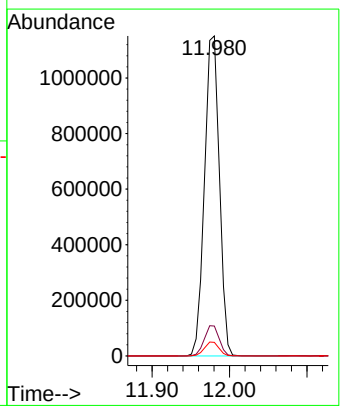


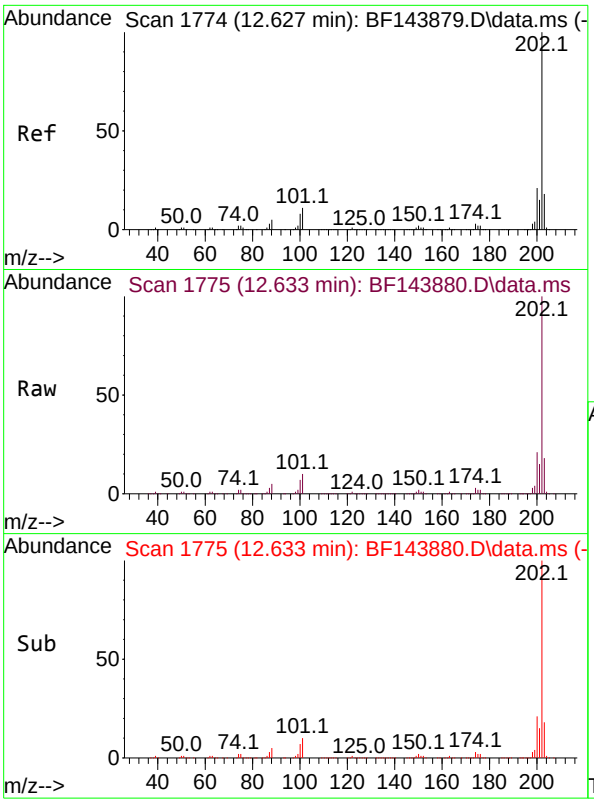


#74
Di-n-butylphthalate
Concen: 45.246 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



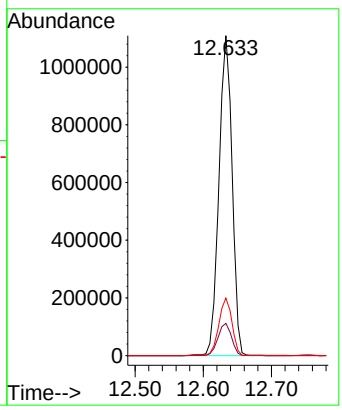


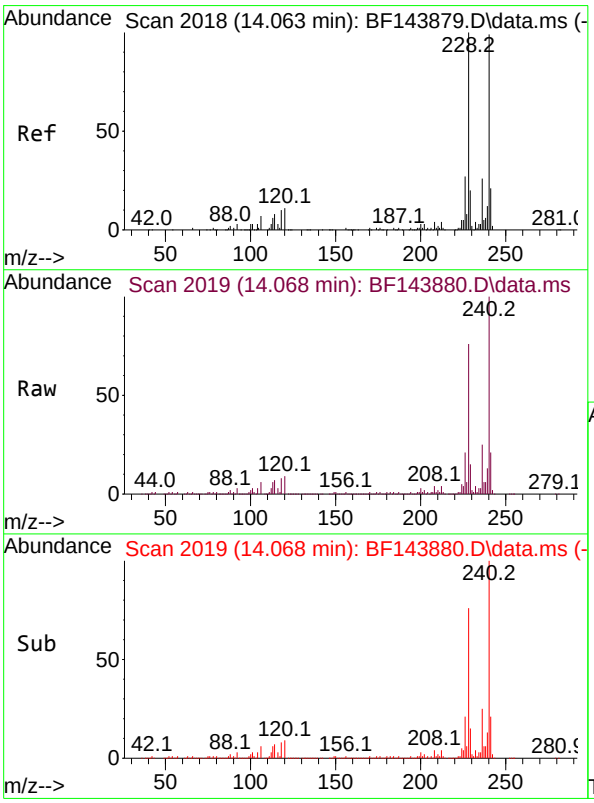
#75
Fluoranthene
Concen: 43.744 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

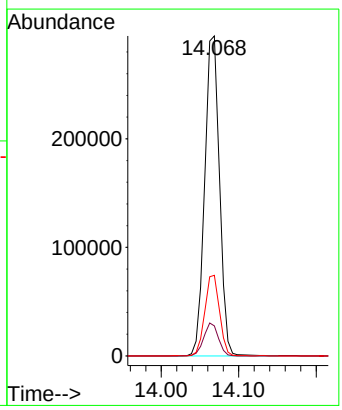


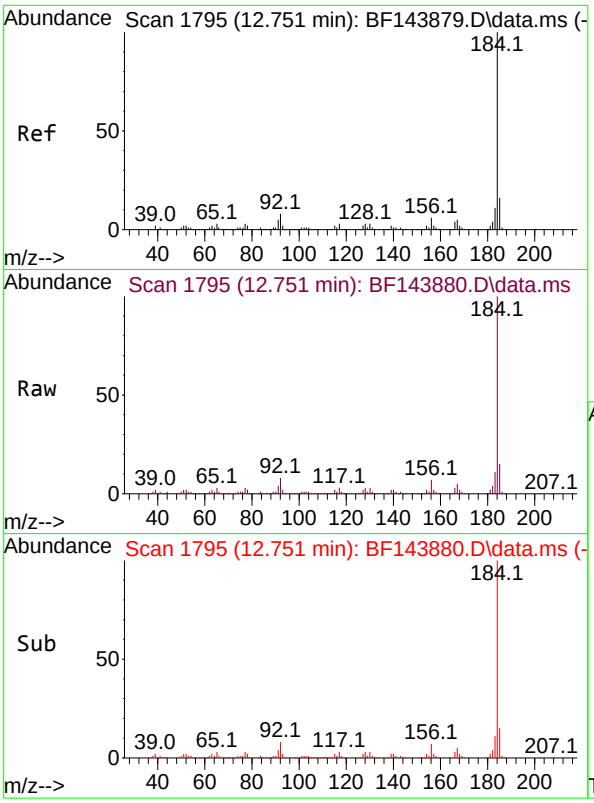


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



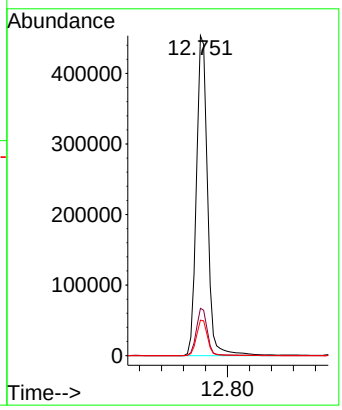


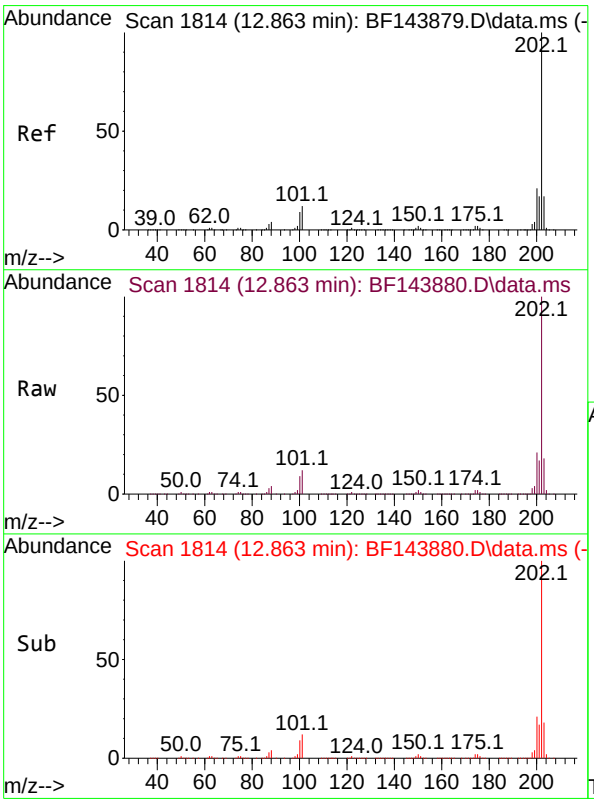
#77
Benzidine
Concen: 46.882 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

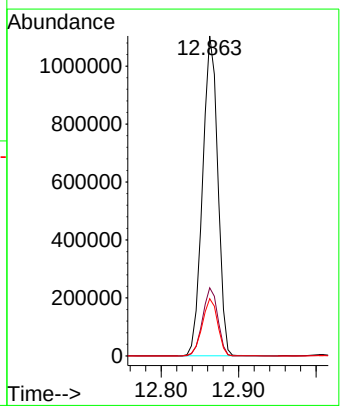


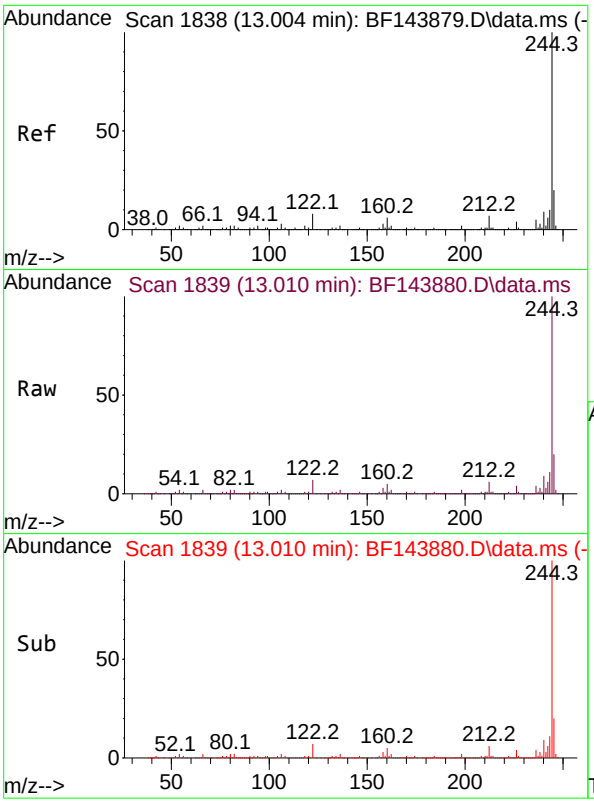


#78
Pyrene
Concen: 46.206 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



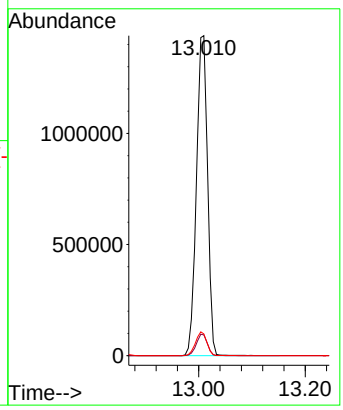


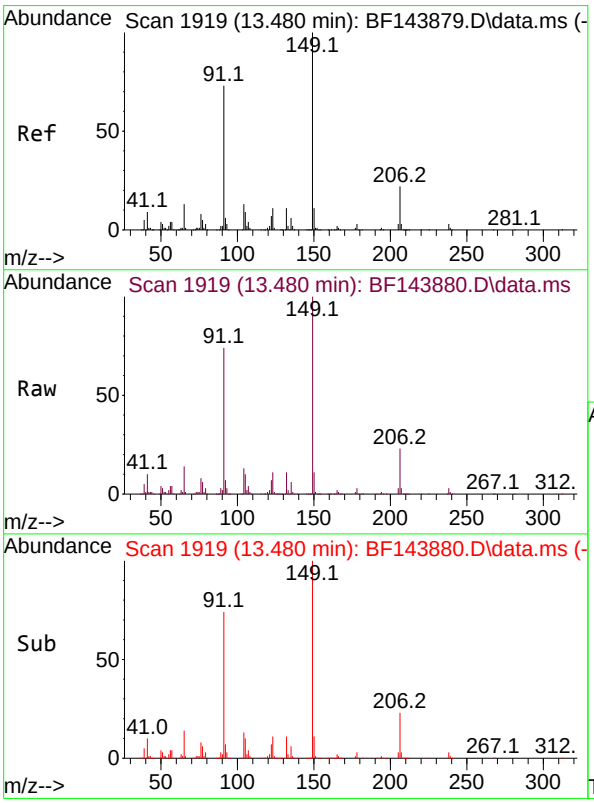
#79
Terphenyl-d14
Concen: 91.121 ng
RT: 13.010 min Scan# 18
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

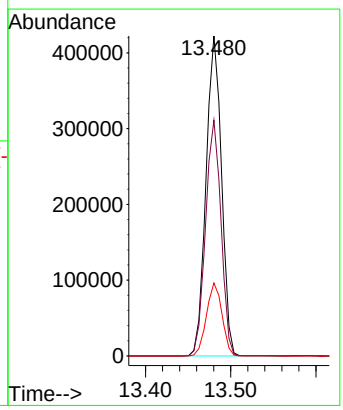


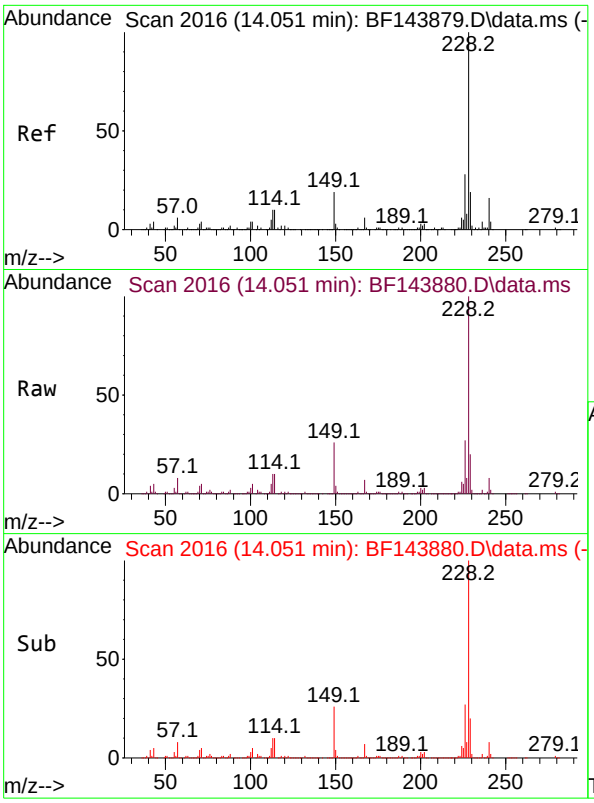


#80
Butylbenzylphthalate
Concen: 50.352 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



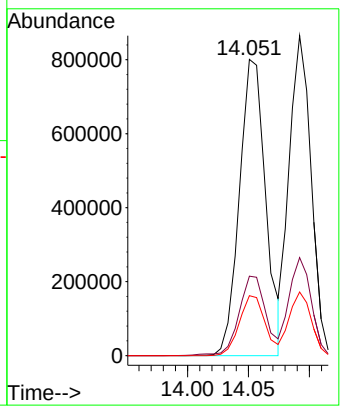


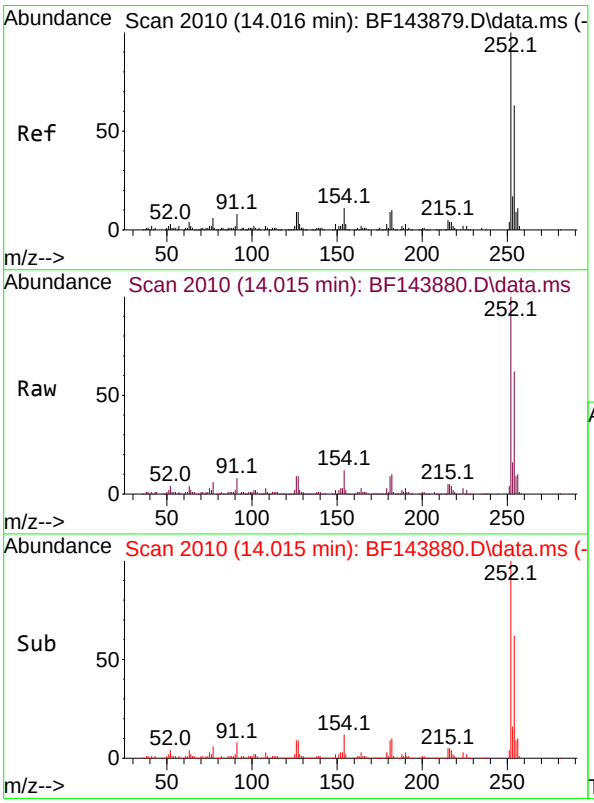
#81
Benzo(a)anthracene
Concen: 47.075 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

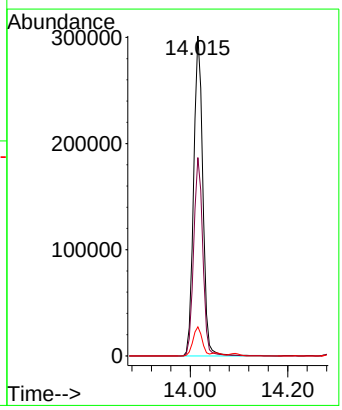


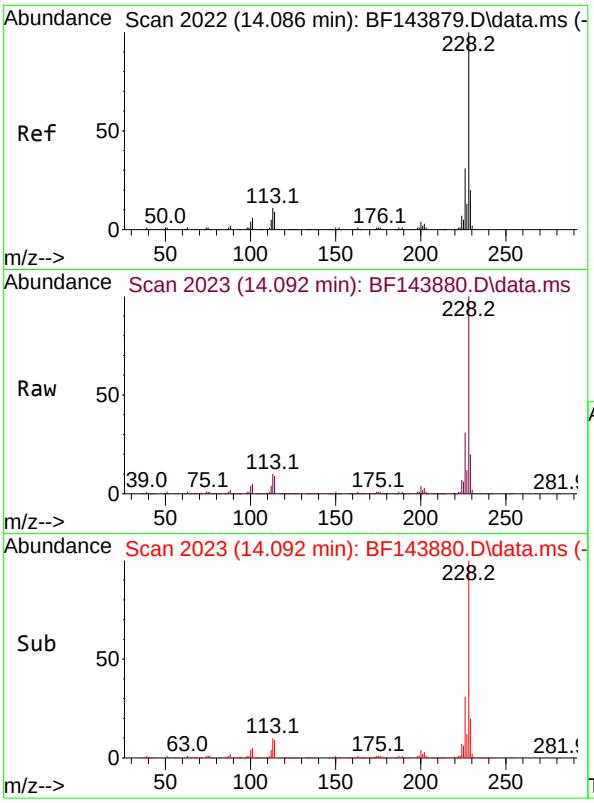


#82
3,3'-Dichlorobenzidine
Concen: 50.214 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



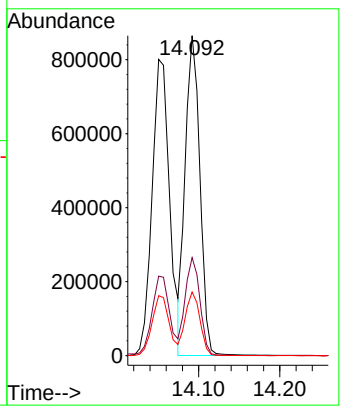


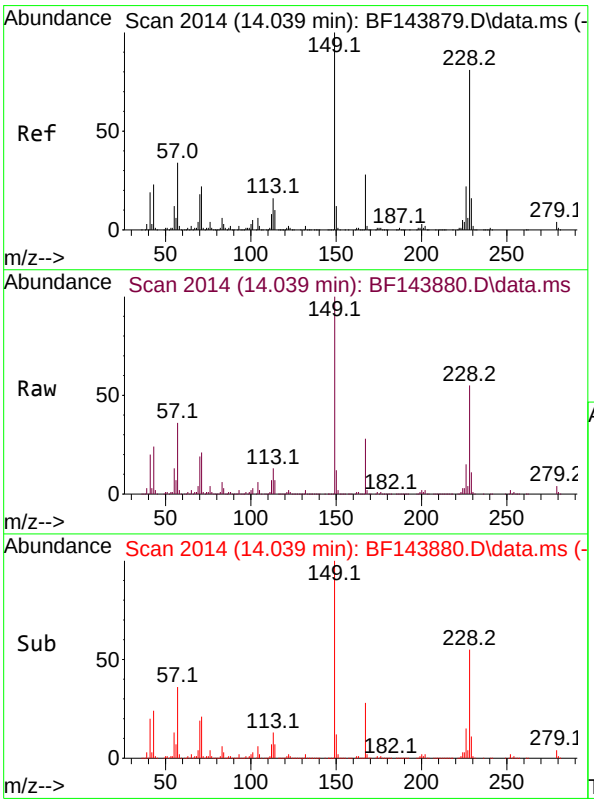
#83
Chrysene
Concen: 46.065 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

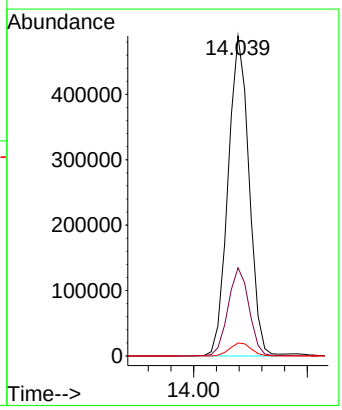


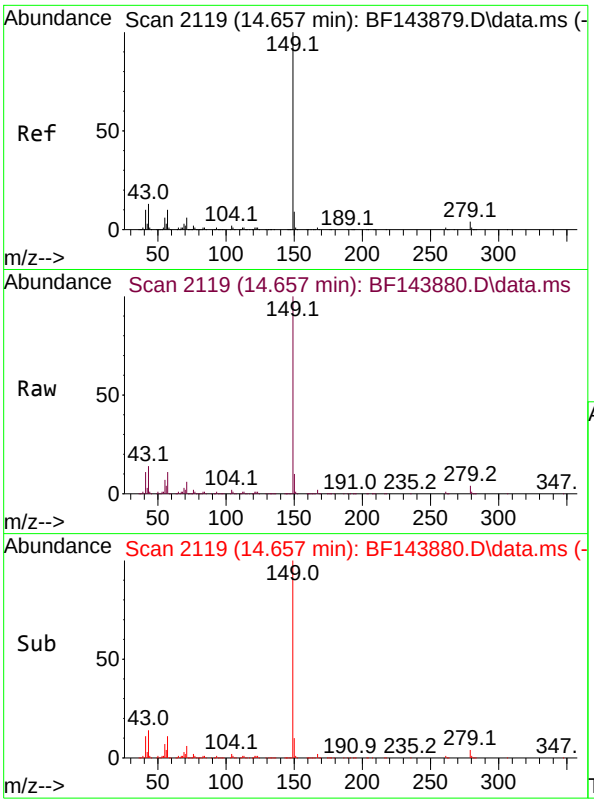


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.146 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



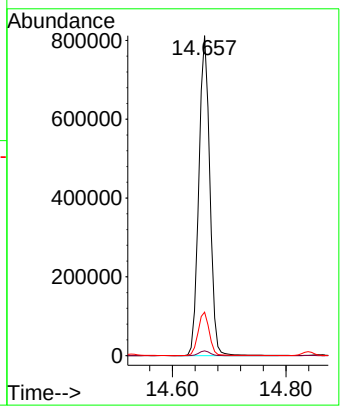


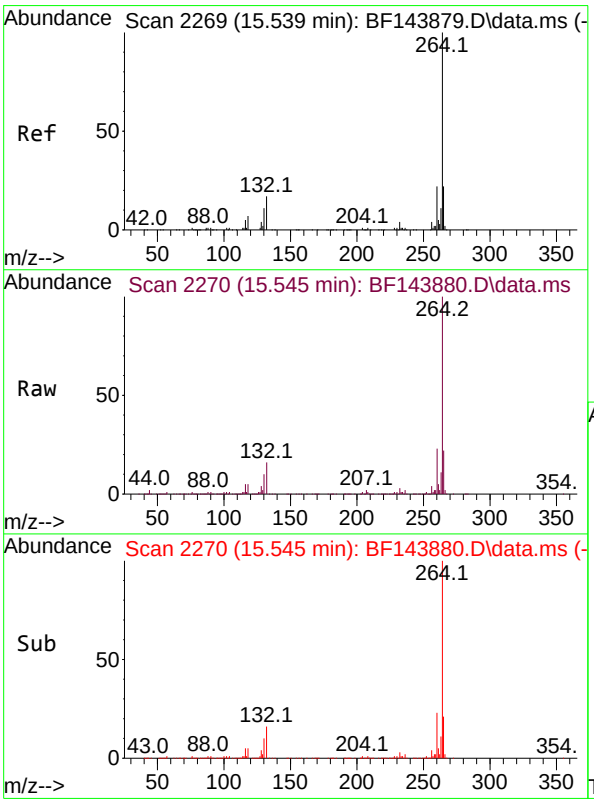
#85
Di-n-octyl phthalate
Concen: 51.691 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

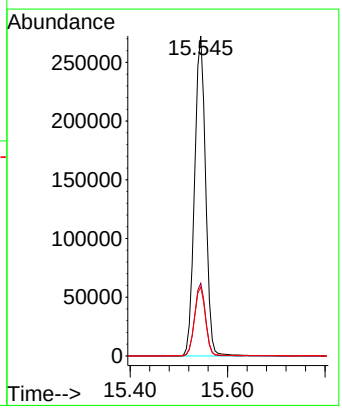


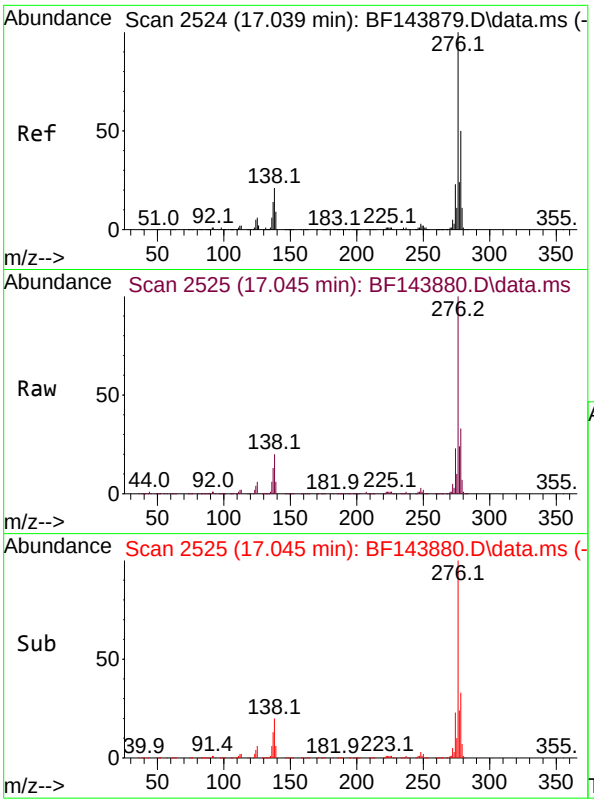


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



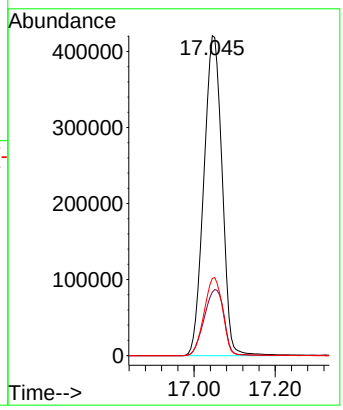


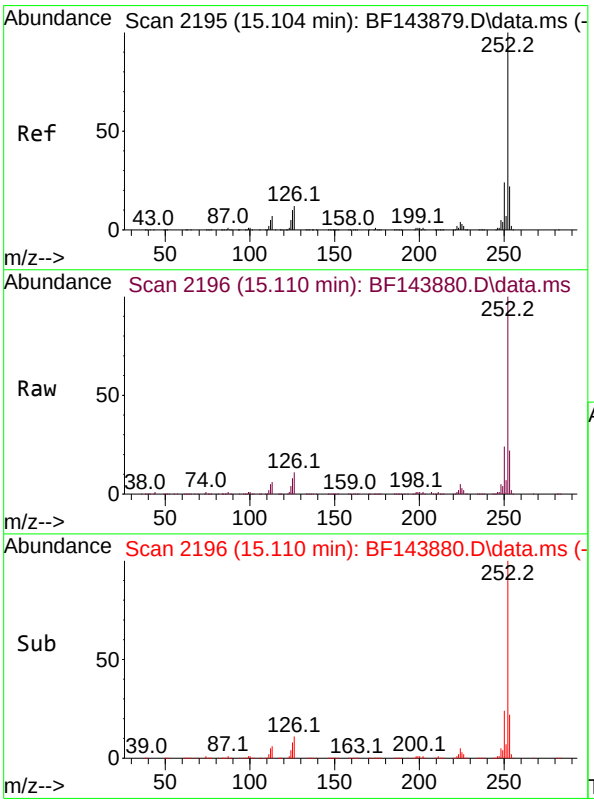
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.373 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

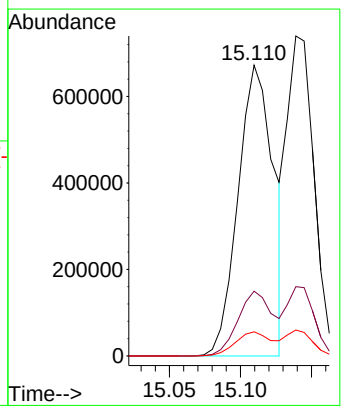


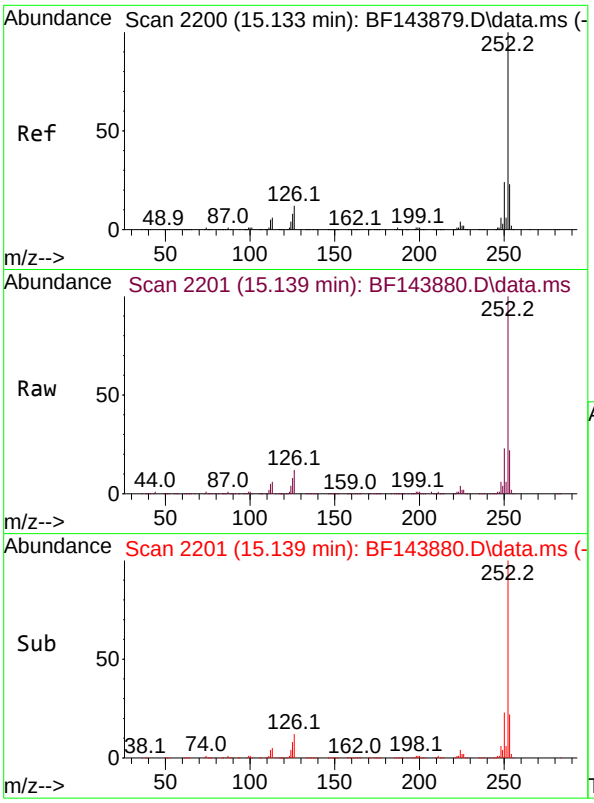


#88
Benzo(b)fluoranthene
Concen: 47.652 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



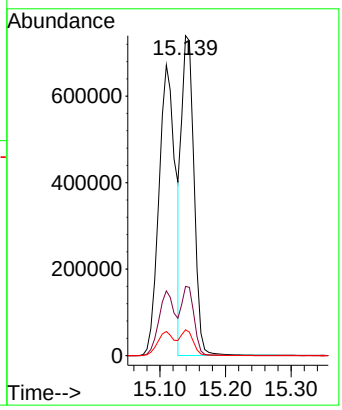


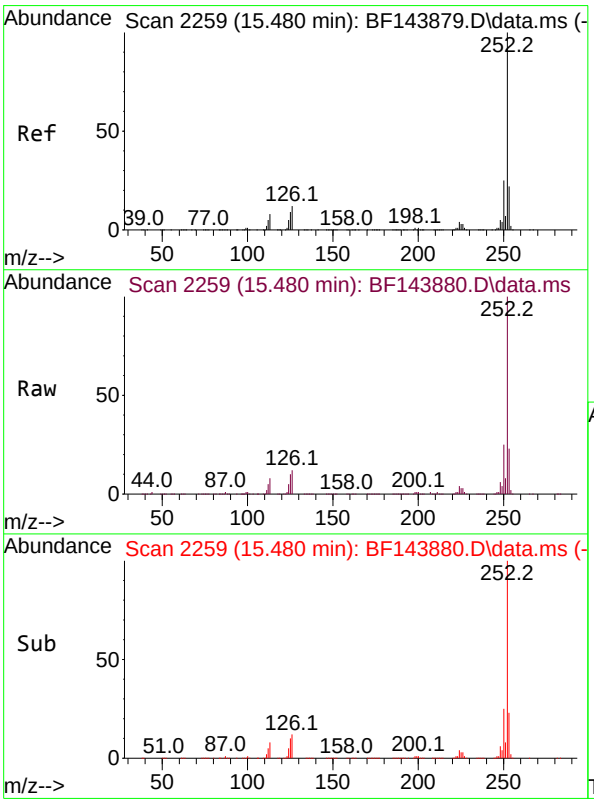
#89
Benzo(k)fluoranthene
Concen: 43.392 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

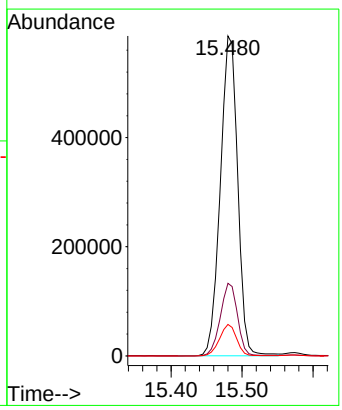


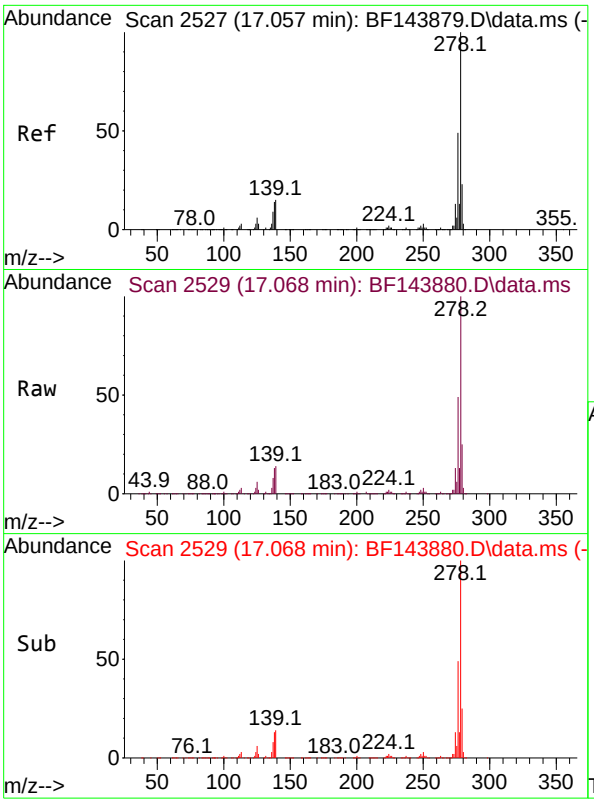


#90
Benzo(a)pyrene
Concen: 46.960 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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



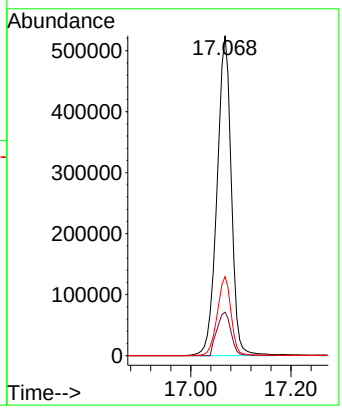


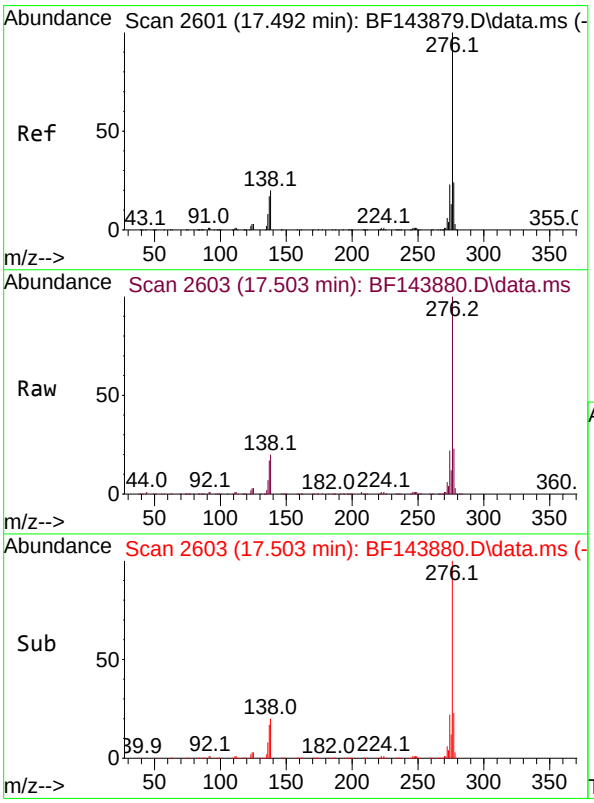
#91
Dibenzo(a,h)anthracene
Concen: 49.457 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

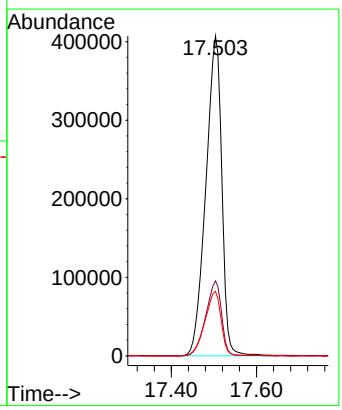




#92
Benzo(g,h,i)perylene
Concen: 50.253 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143880.D
Acq: 06 Oct 2025 13:23

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

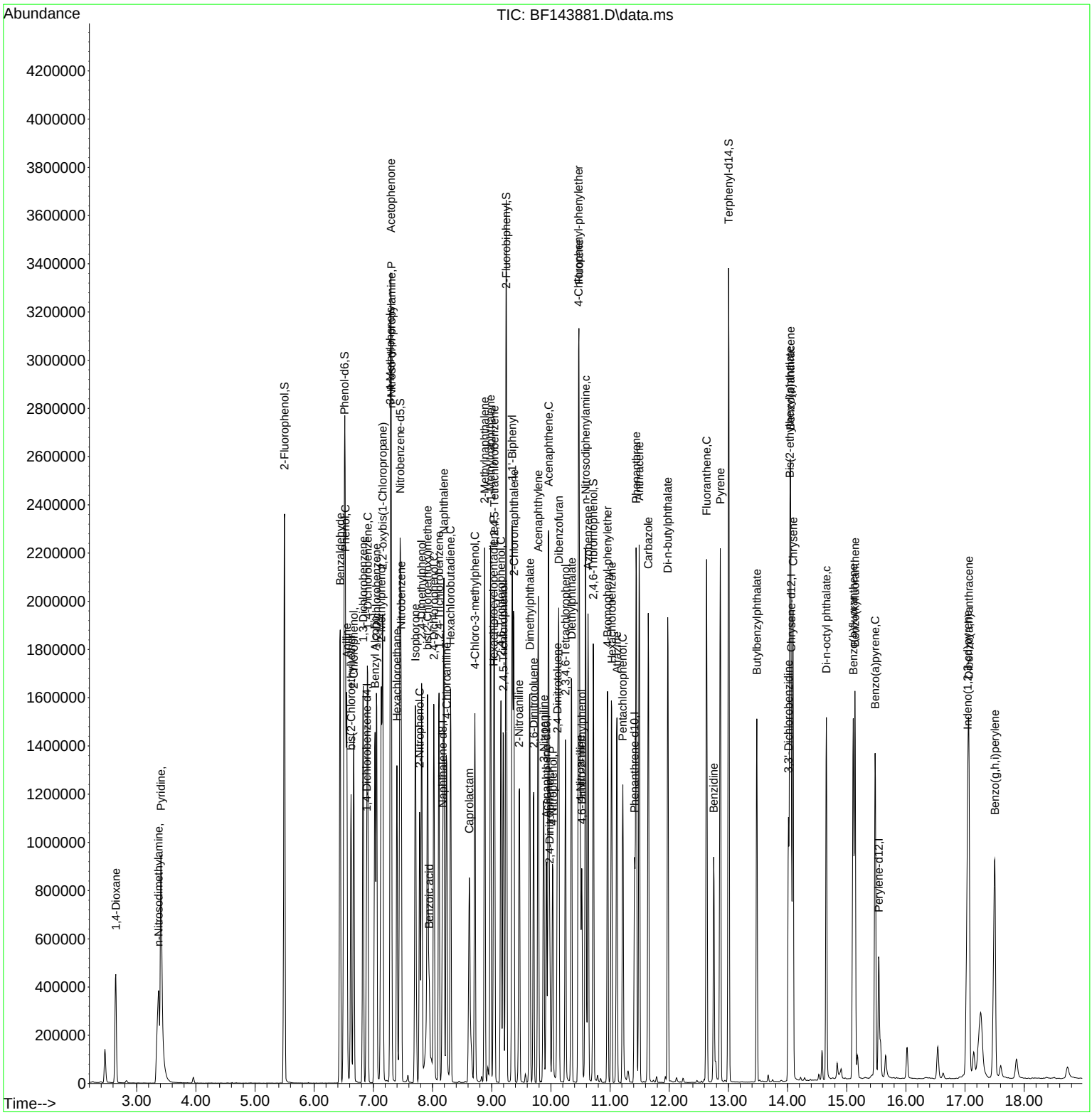
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	345605	56.620	ng		98
46) 1,1'-Biphenyl	9.345	154	1004440	53.040	ng		99
47) 2-Chloronaphthalene	9.375	162	860999	54.531	ng		98
48) 2-Nitroaniline	9.463	65	312884	62.679	ng		99
49) Acenaphthylene	9.786	152	1223951	55.140	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

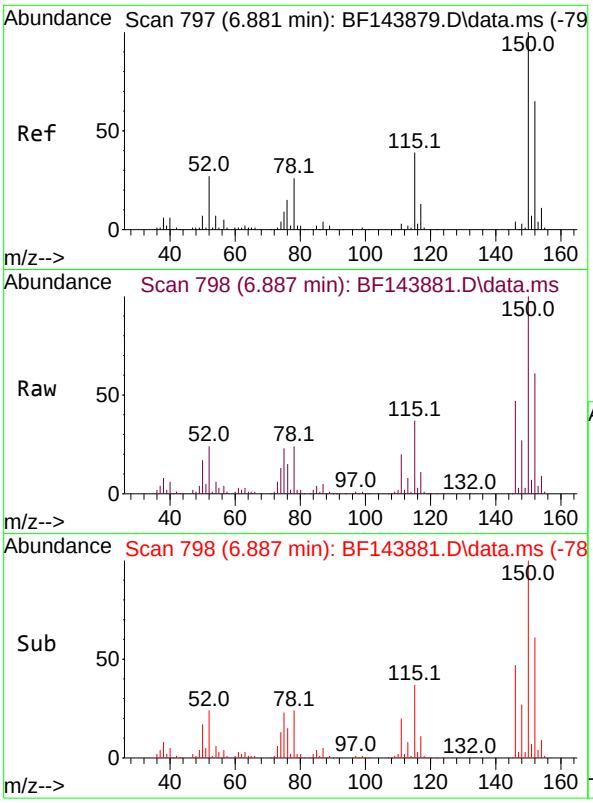
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



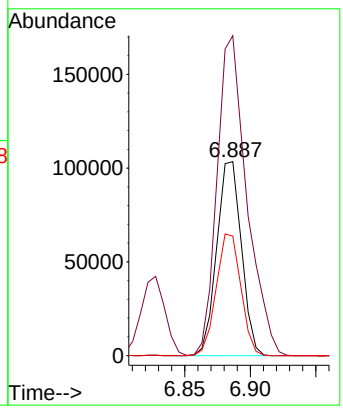


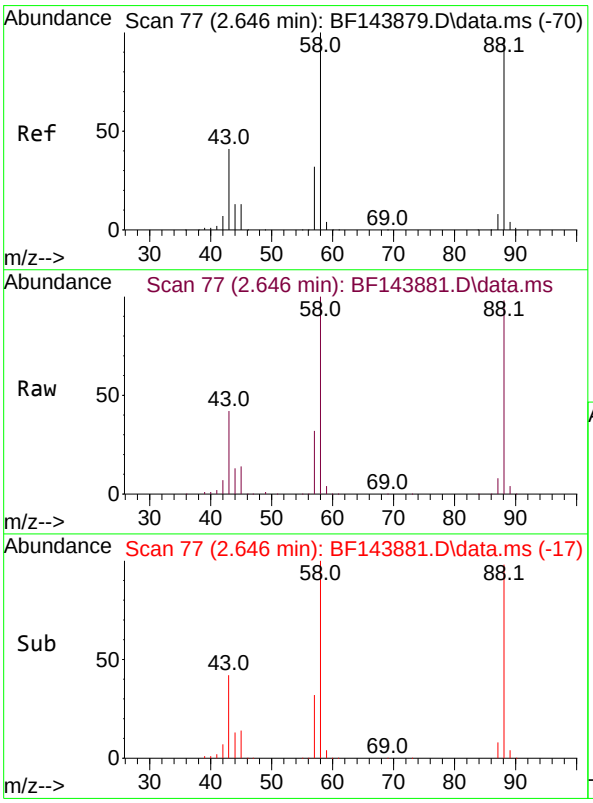
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 79
Delta R.T. 0.001 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

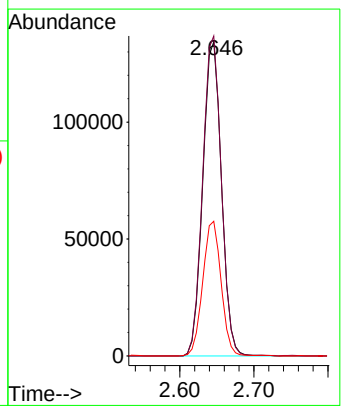


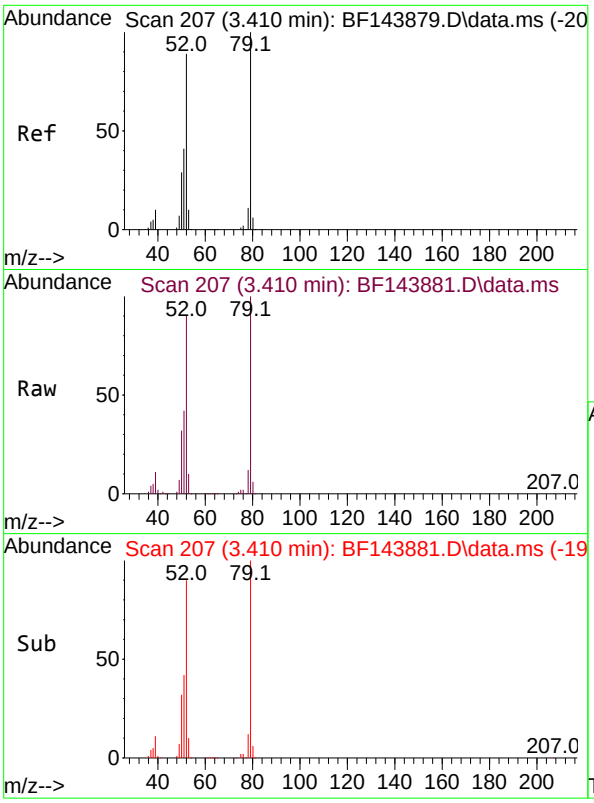


#2
1,4-Dioxane
Concen: 59.298 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



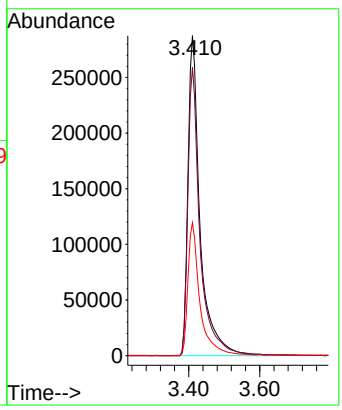


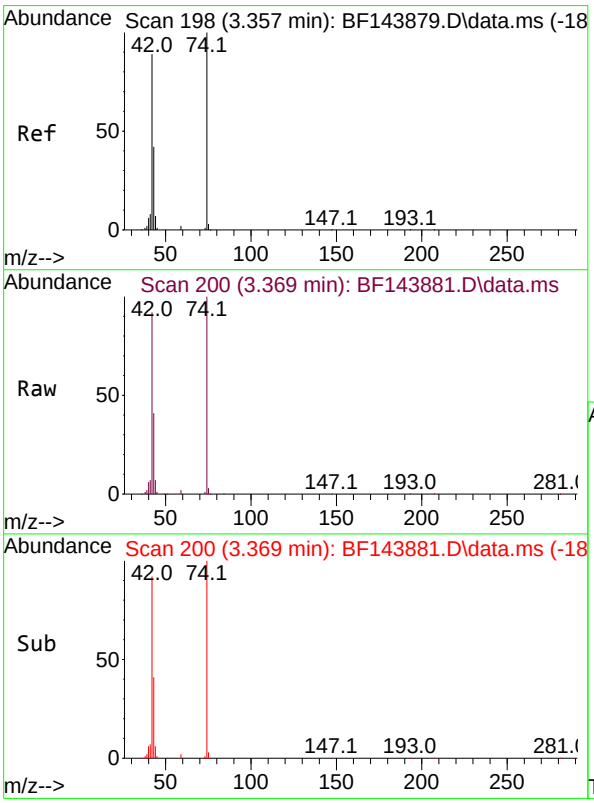
#3
Pyridine
Concen: 59.411 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

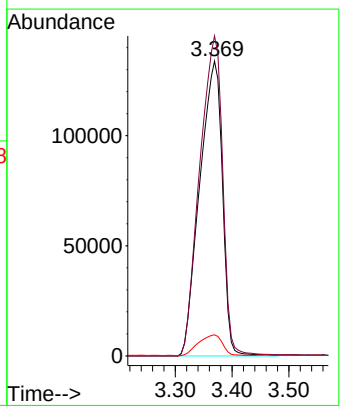


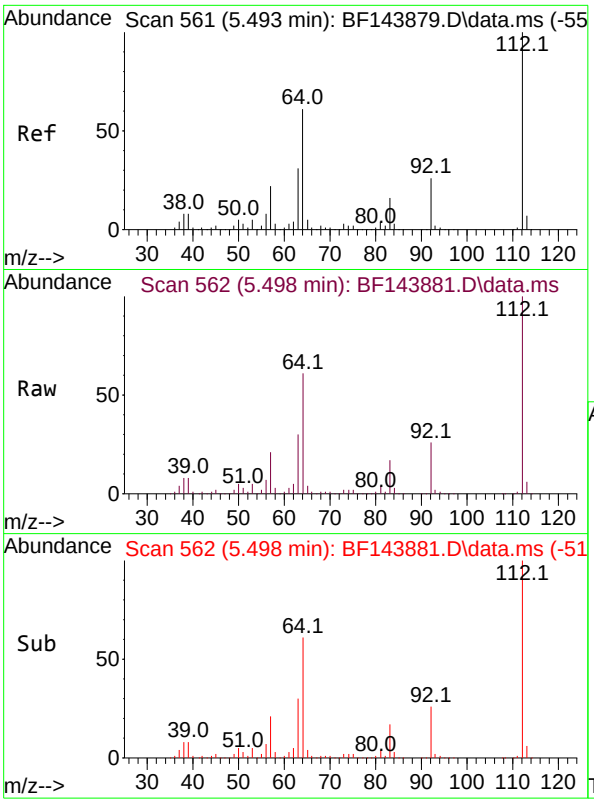


#4
n-Nitrosodimethylamine
Concen: 61.134 ng
RT: 3.369 min Scan# 200
Delta R.T. -0.017 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



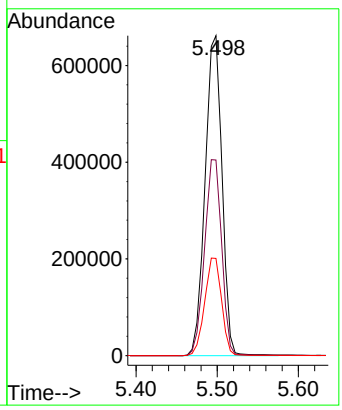


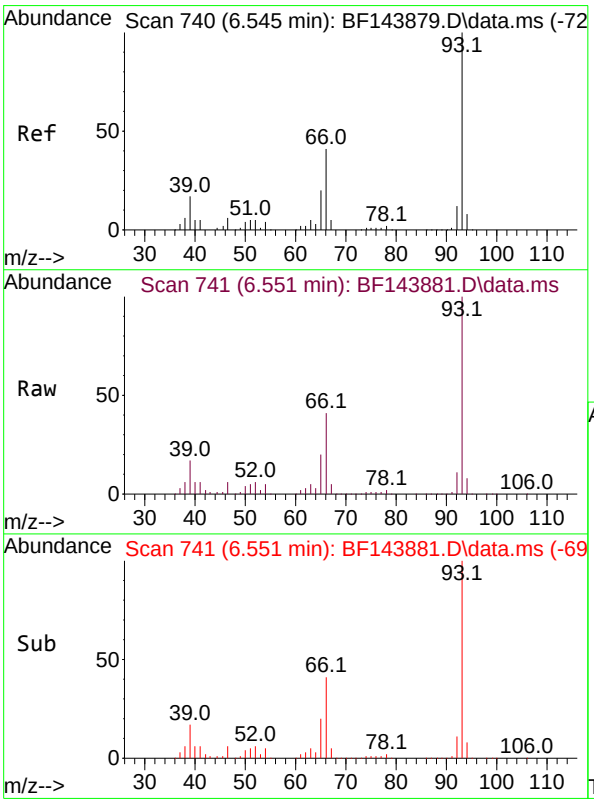
#5
2-Fluorophenol
Concen: 112.181 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

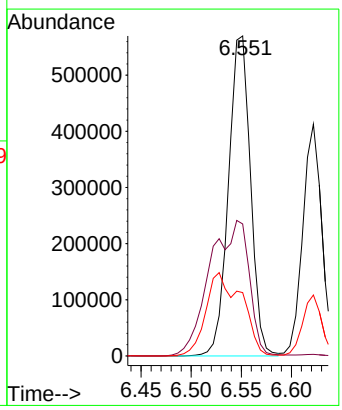


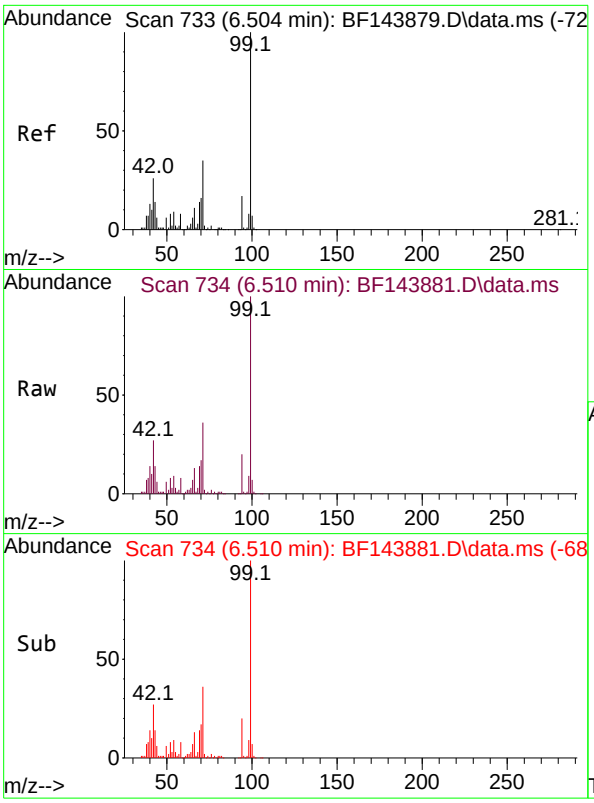


#6
Aniline
Concen: 56.909 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



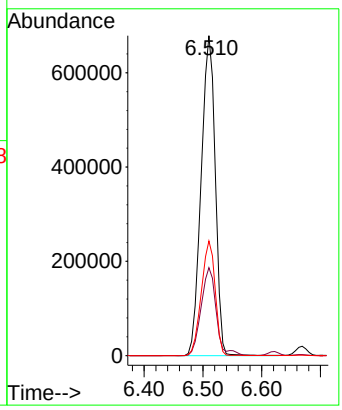


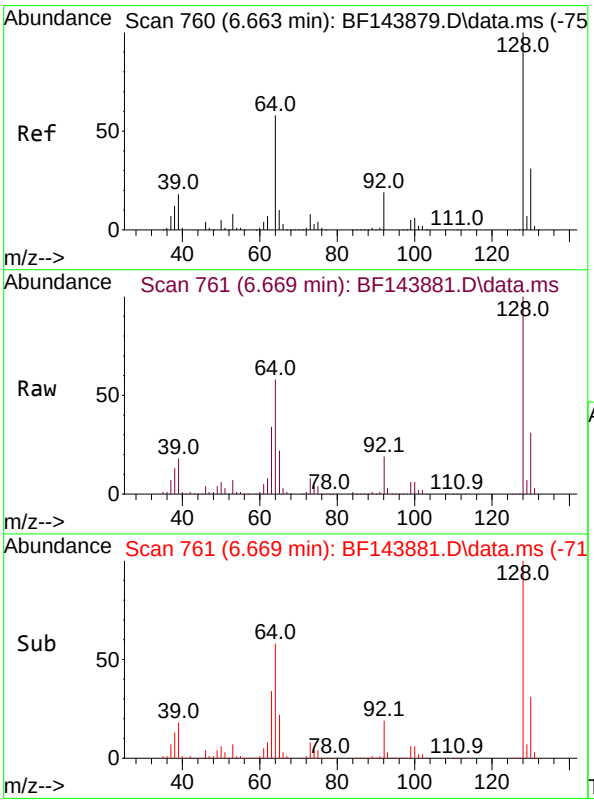
#7
Phenol-d6
Concen: 110.899 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

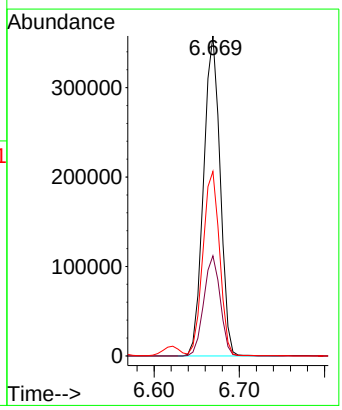


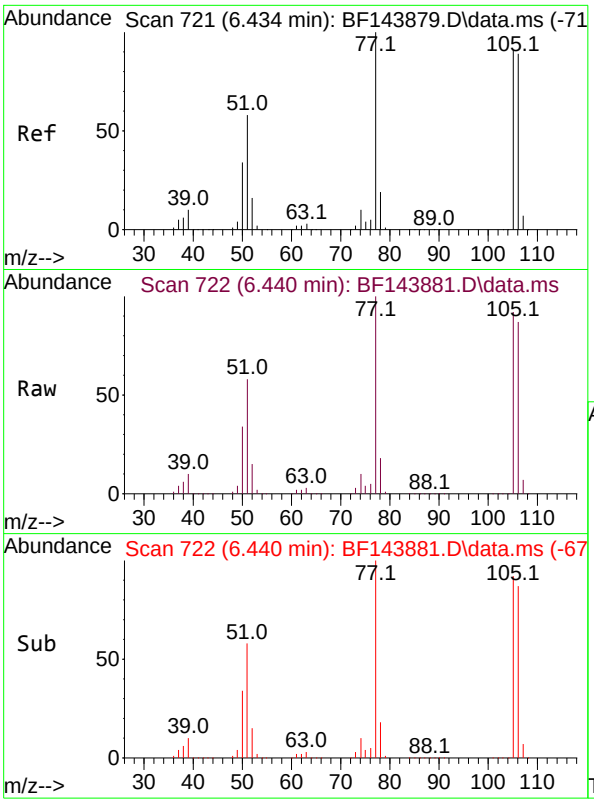


#8
2-Chlorophenol
Concen: 57.621 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



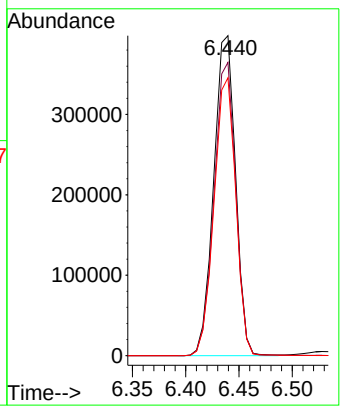


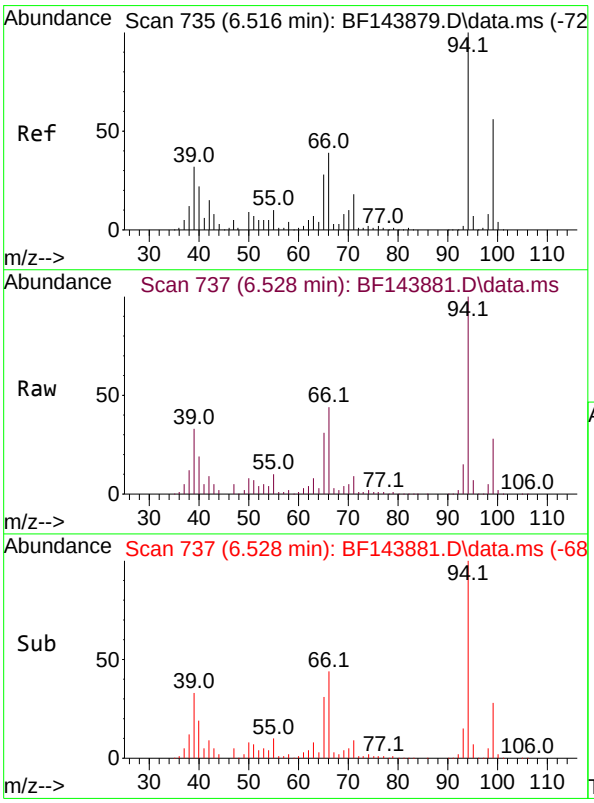
#9
Benzaldehyde
Concen: 71.995 ng
RT: 6.440 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

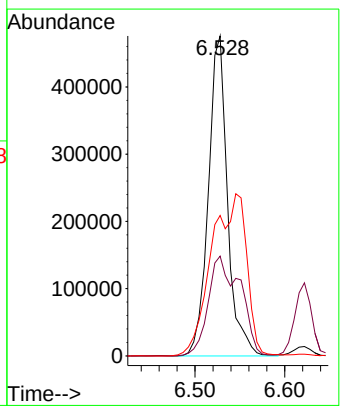


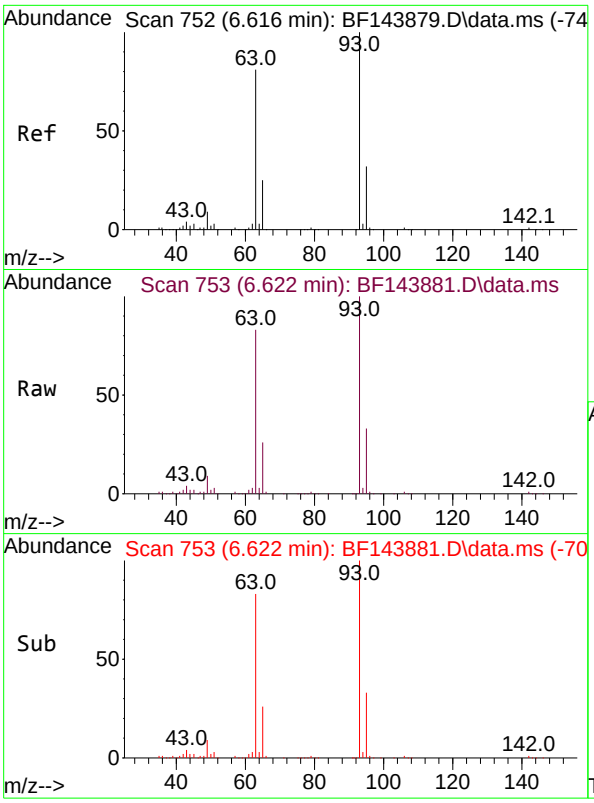


#10
Phenol
Concen: 58.149 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



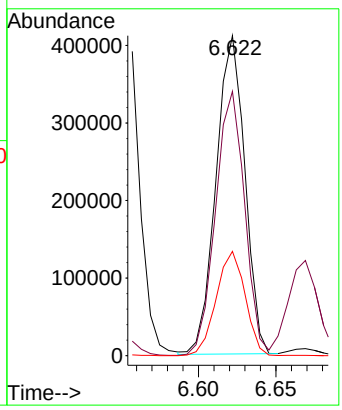


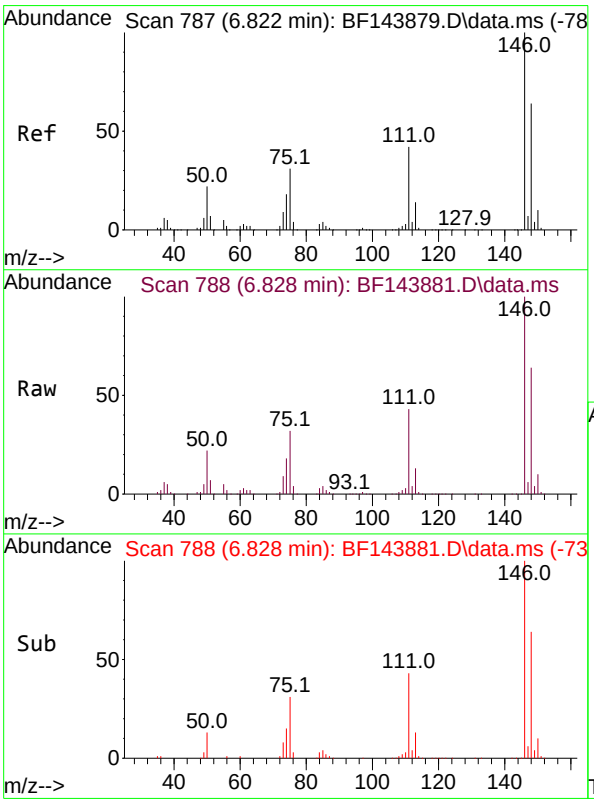
#11
bis(2-Chloroethyl)ether
Concen: 56.337 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

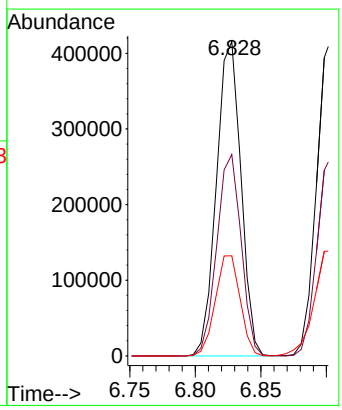


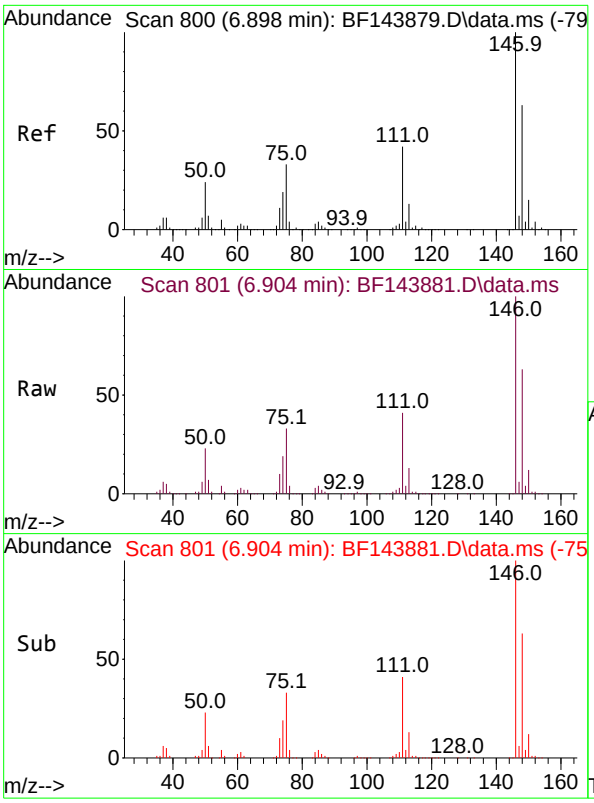


#12
1,3-Dichlorobenzene
Concen: 54.041 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



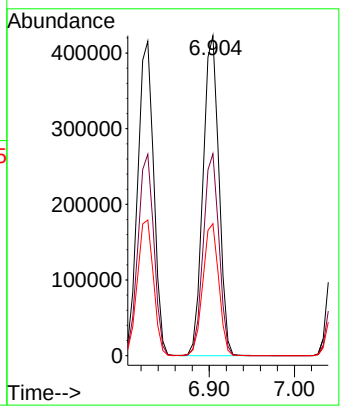


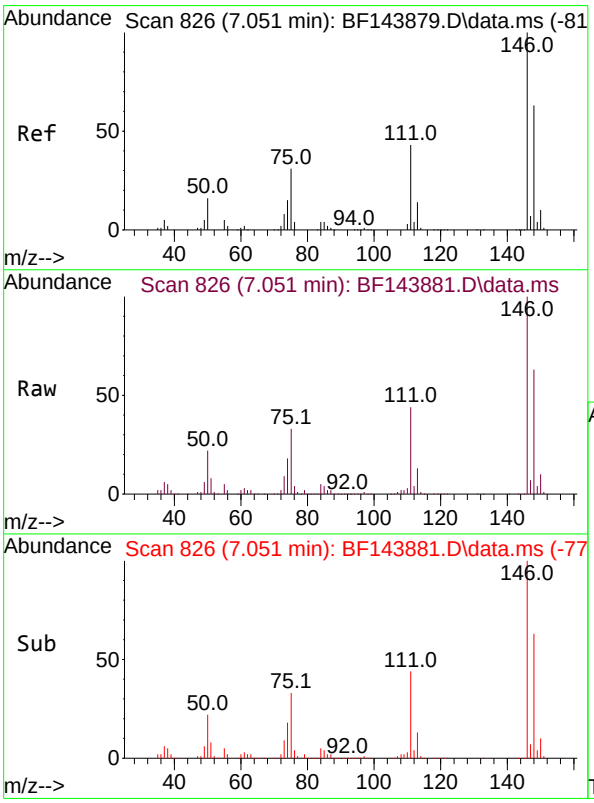
#13
1,4-Dichlorobenzene
Concen: 55.312 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

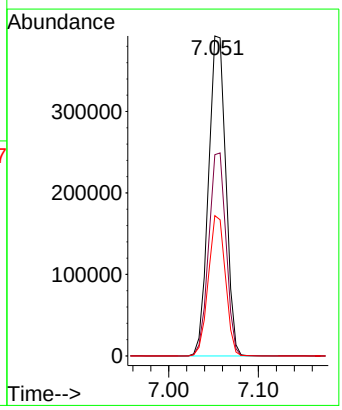


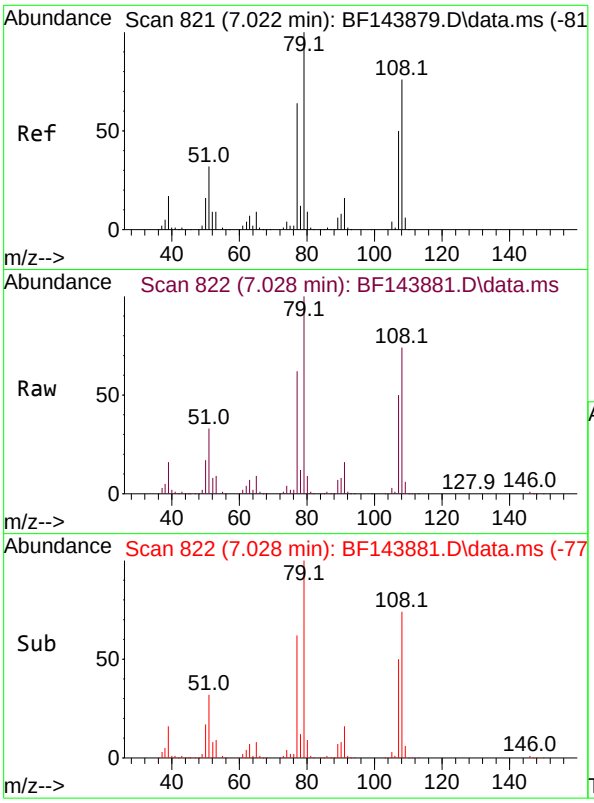


#14
1,2-Dichlorobenzene
Concen: 55.507 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



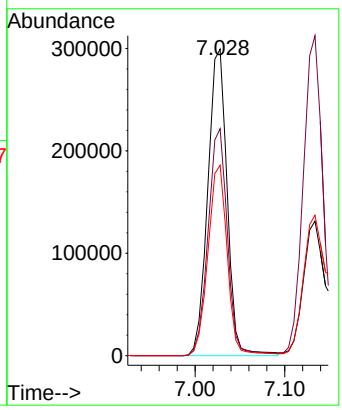


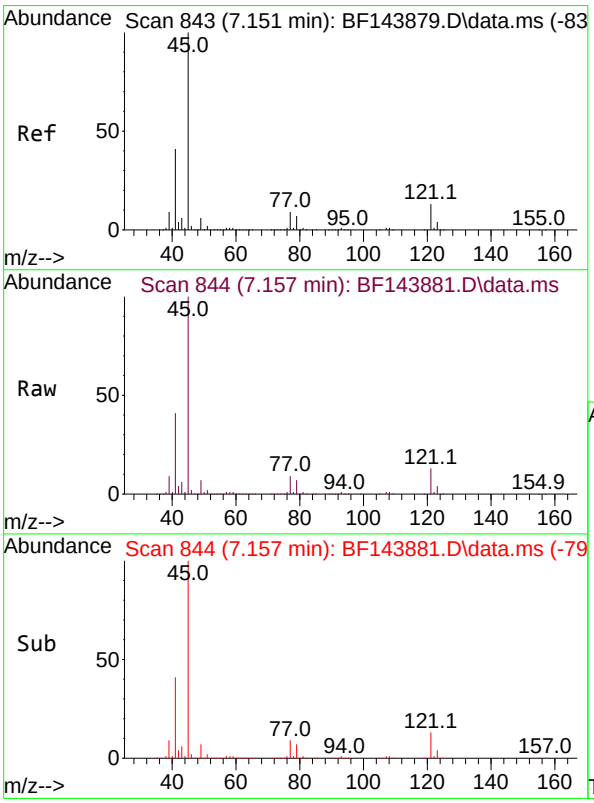
#15
Benzyl Alcohol
Concen: 58.880 ng
RT: 7.028 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

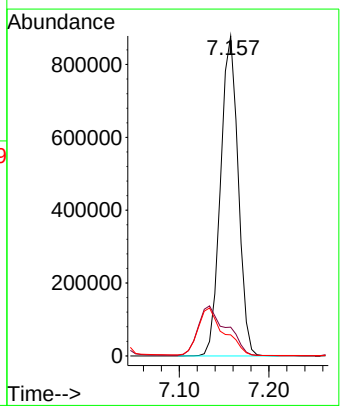


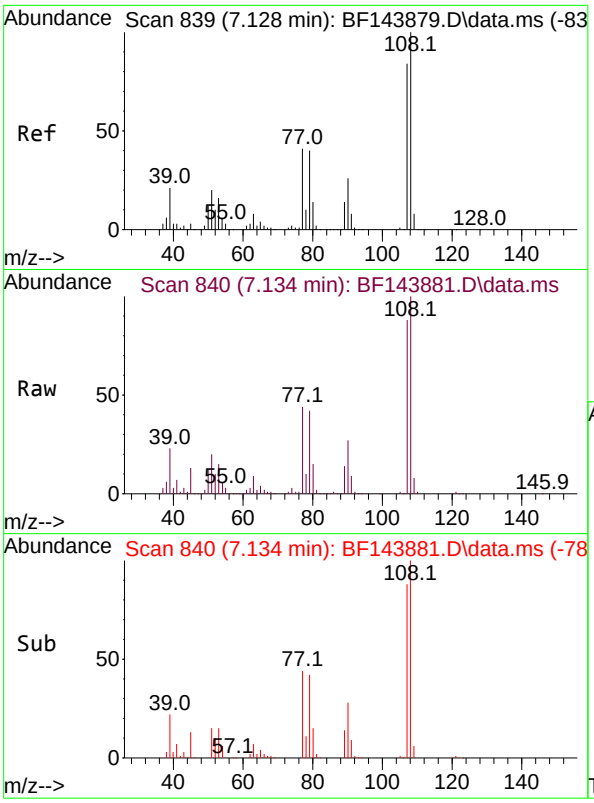


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.002 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



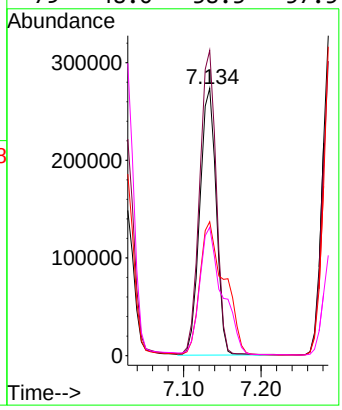


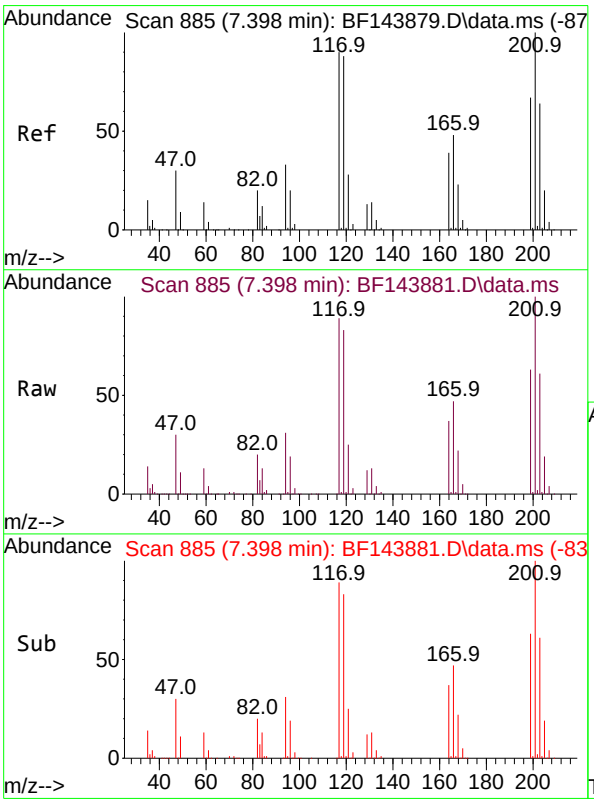
#17
2-Methylphenol
Concen: 58.170 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

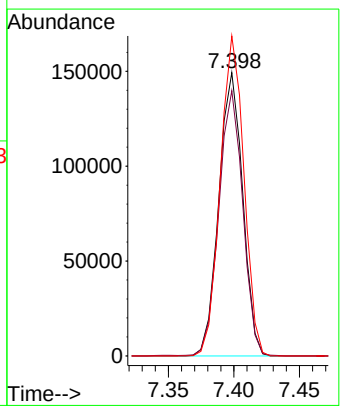


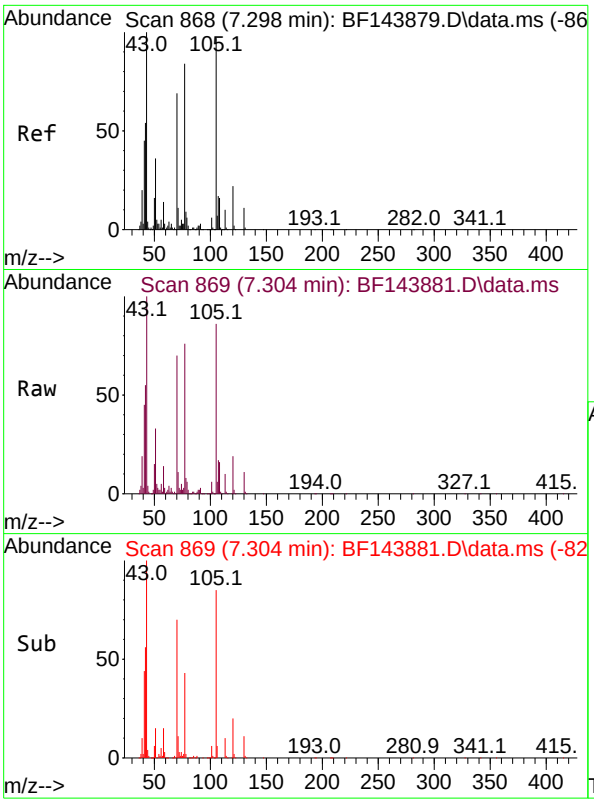


#18
Hexachloroethane
Concen: 57.373 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



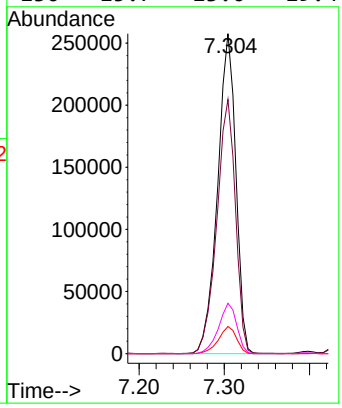


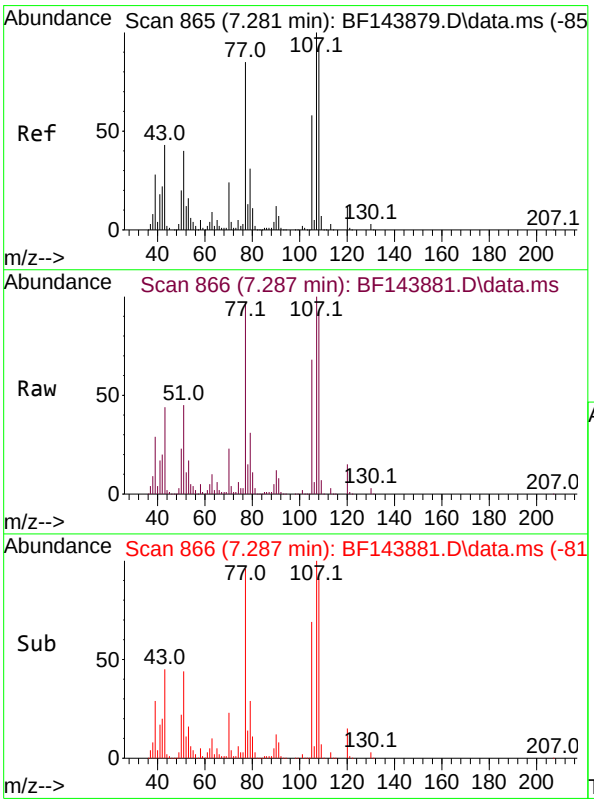
#19
n-Nitroso-di-n-propylamine
Concen: 54.794 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

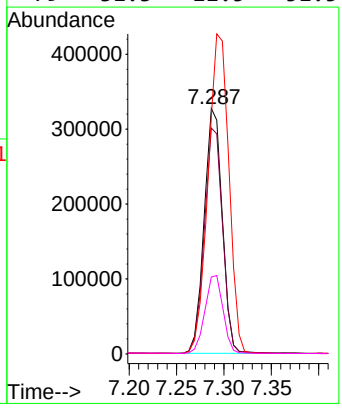


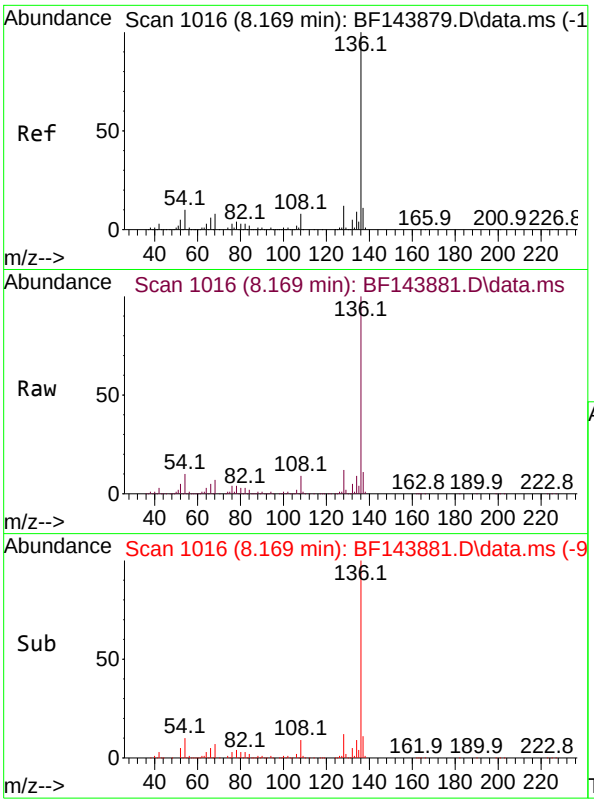


#20
3+4-Methylphenols
Concen: 54.319 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



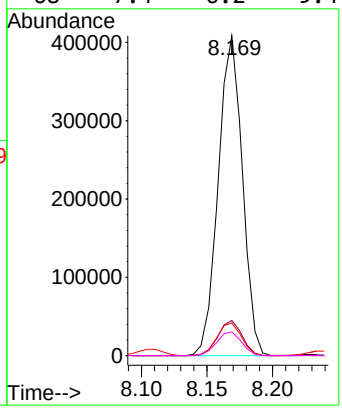


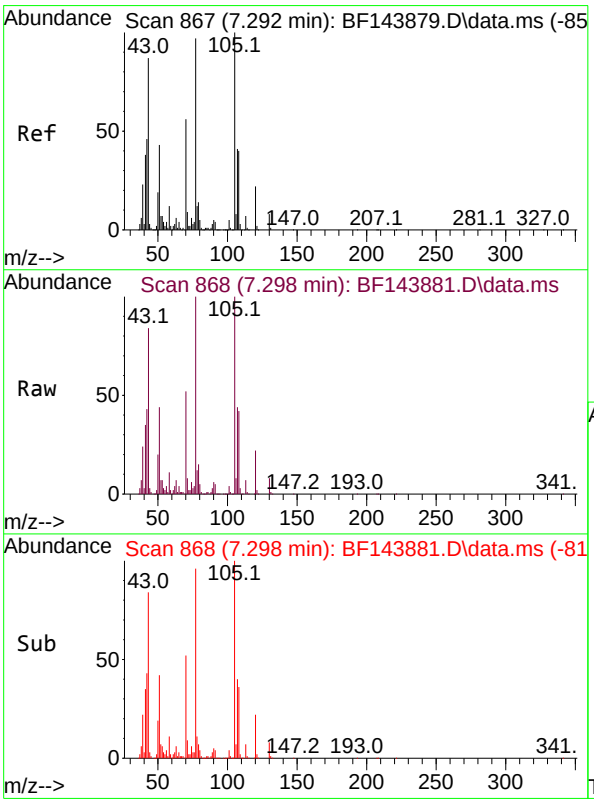
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

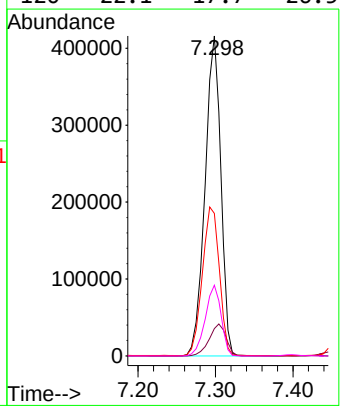


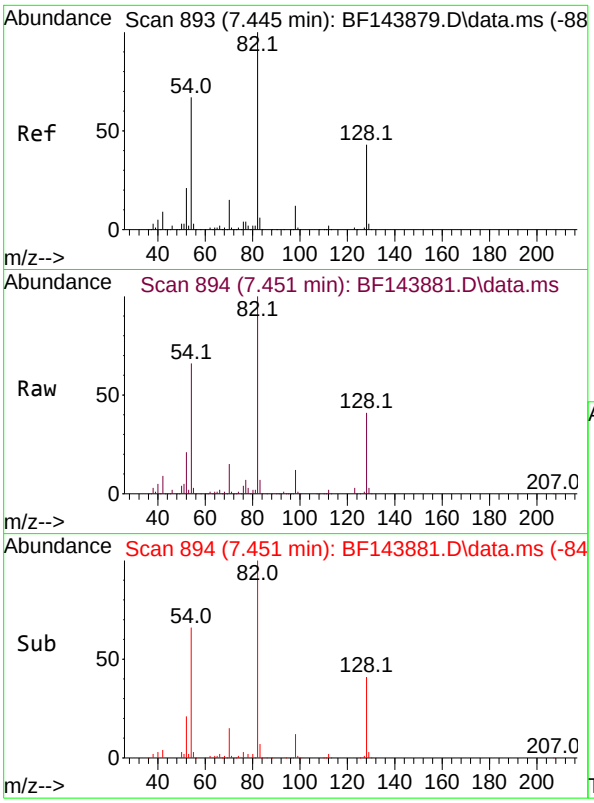


#22
Acetophenone
Concen: 53.189 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



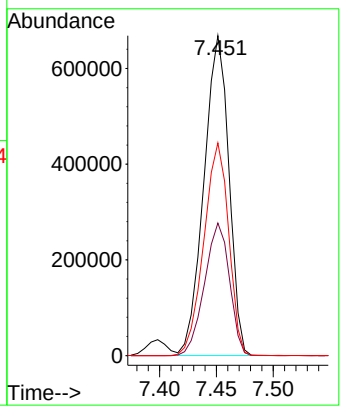


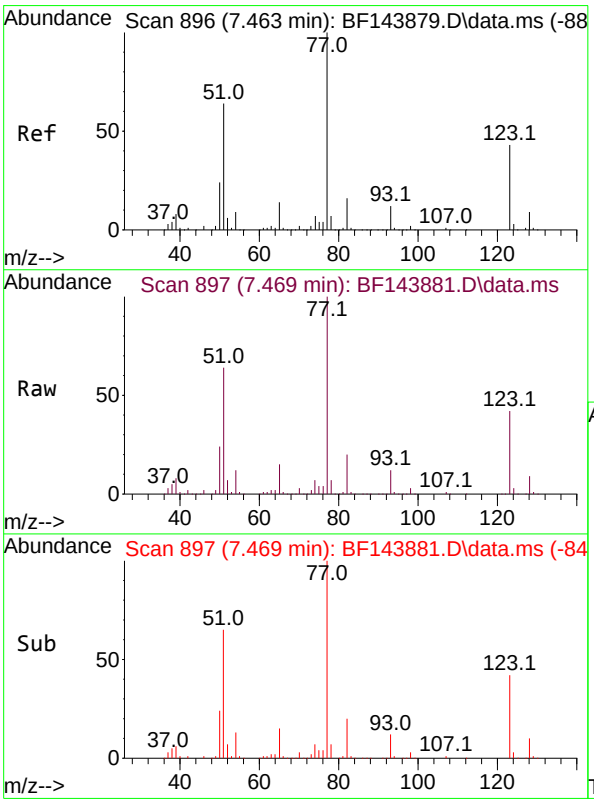
#23
Nitrobenzene-d5
Concen: 118.430 ng
RT: 7.451 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

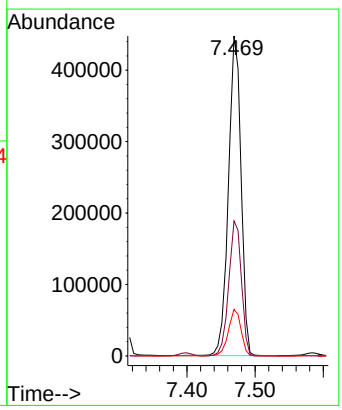


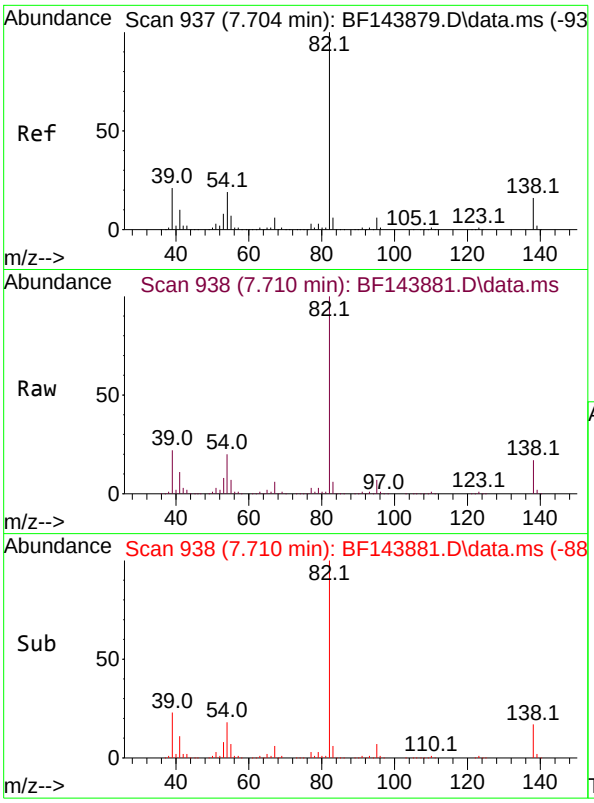


#24
Nitrobenzene
Concen: 59.969 ng
RT: 7.469 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



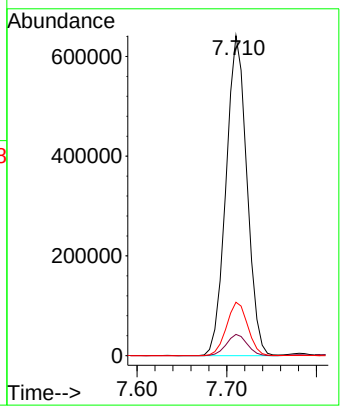


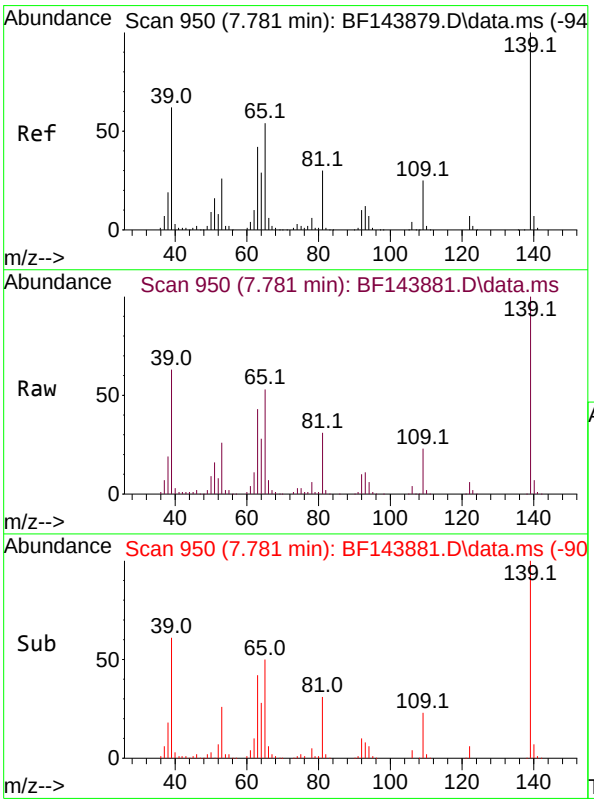
#25
Isophorone
Concen: 57.290 ng
RT: 7.710 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

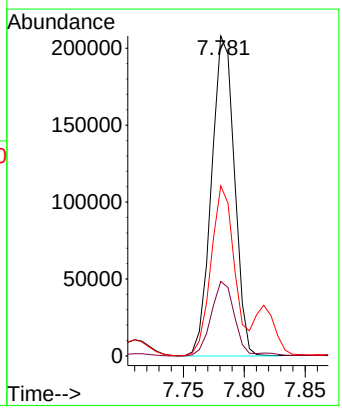


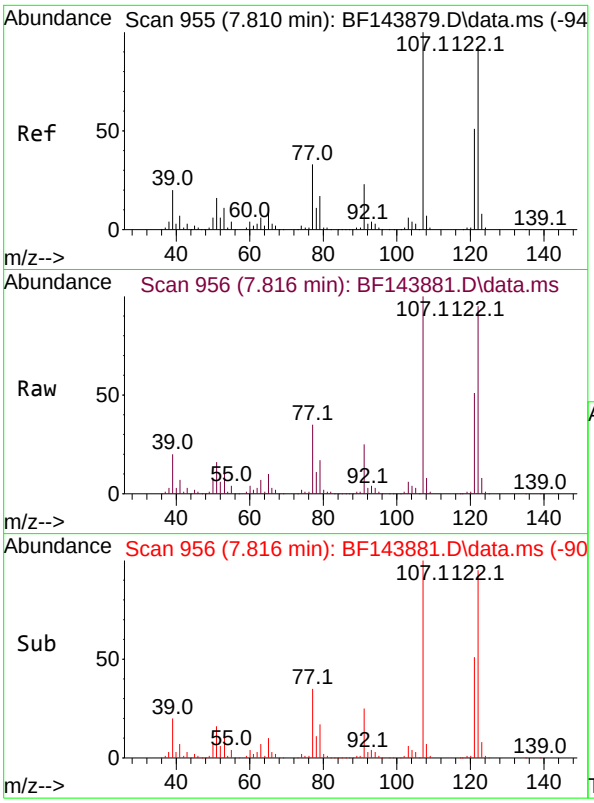


#26
2-Nitrophenol
Concen: 66.327 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



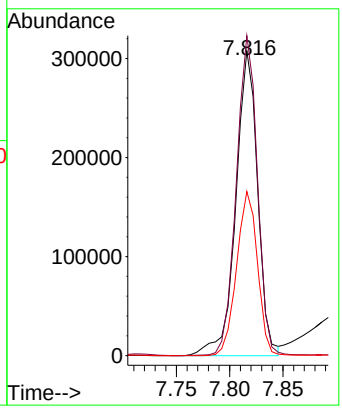


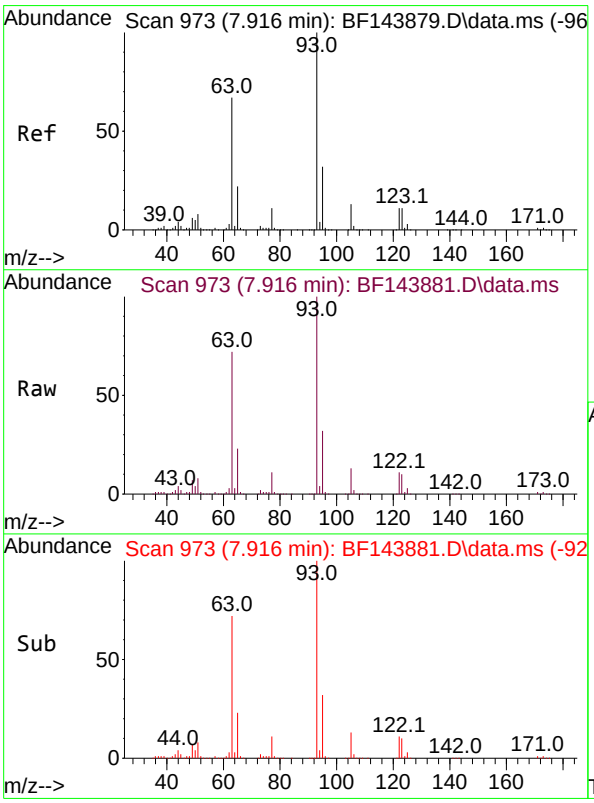
#27
2,4-Dimethylphenol
Concen: 59.187 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

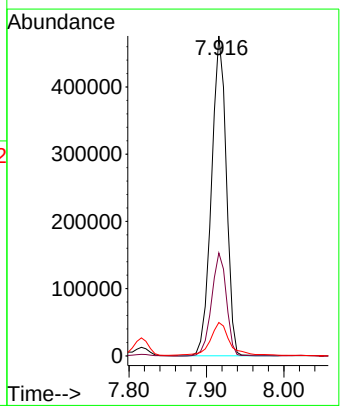


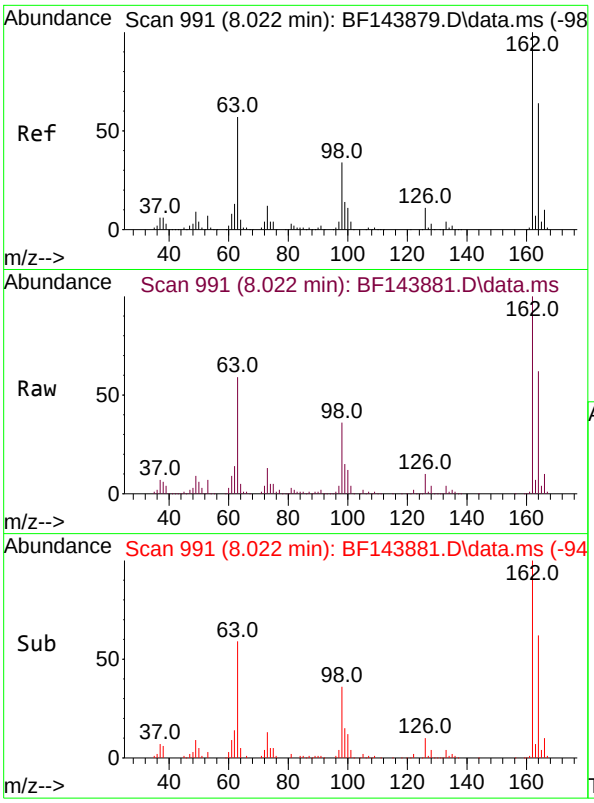


#28
bis(2-Chloroethoxy)methane
Concen: 54.917 ng
RT: 7.916 min Scan# 973
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



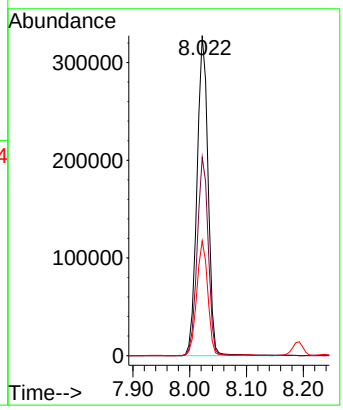


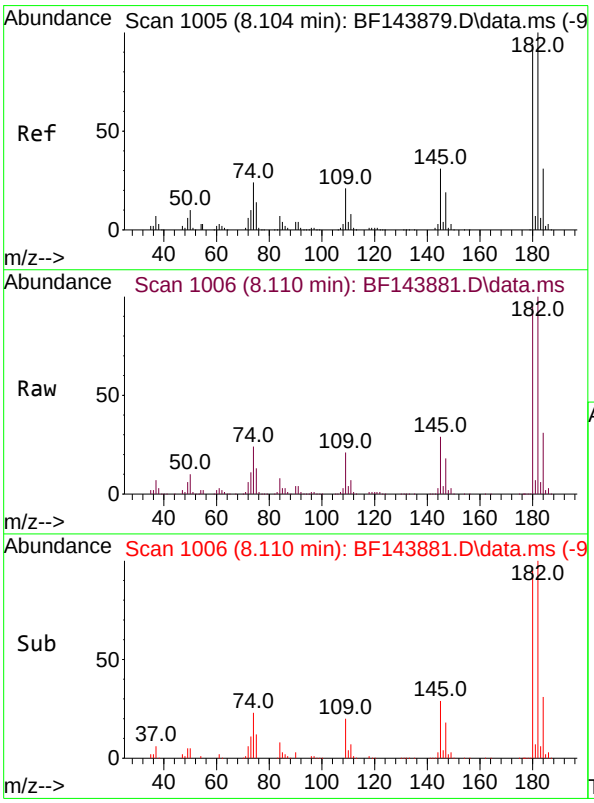
#29
2,4-Dichlorophenol
Concen: 57.524 ng
RT: 8.022 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

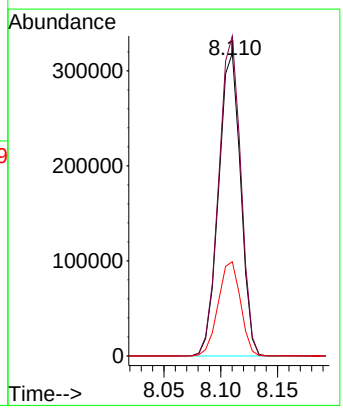


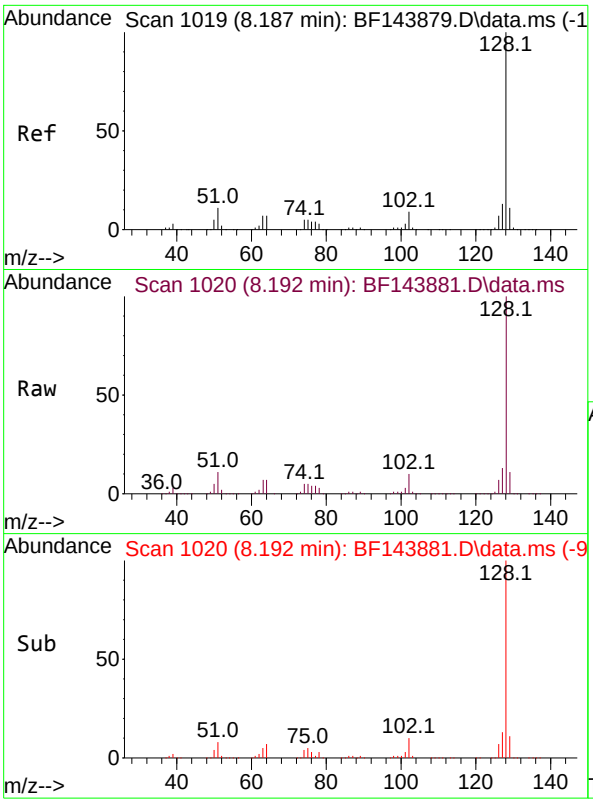


#30
1,2,4-Trichlorobenzene
Concen: 56.555 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



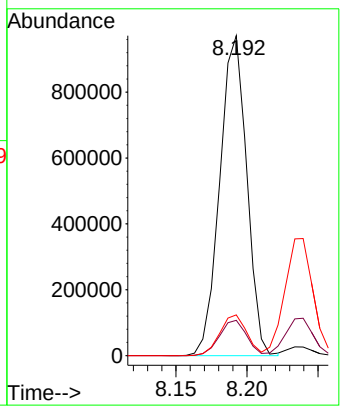


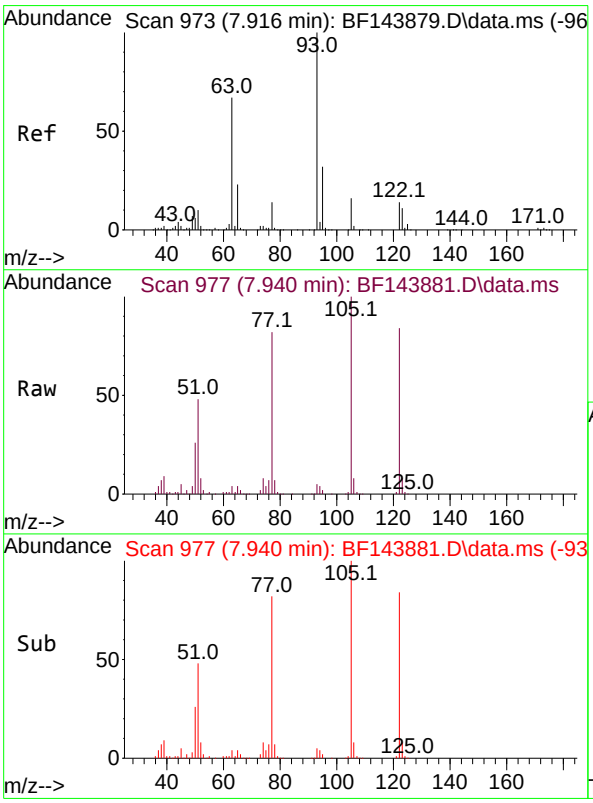
#31
Naphthalene
Concen: 53.874 ng
RT: 8.192 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

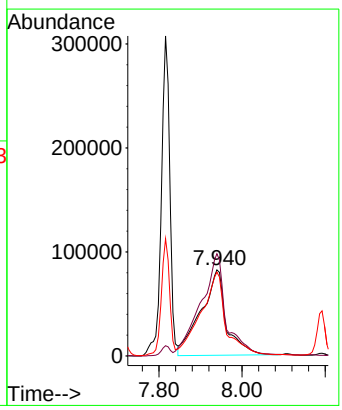


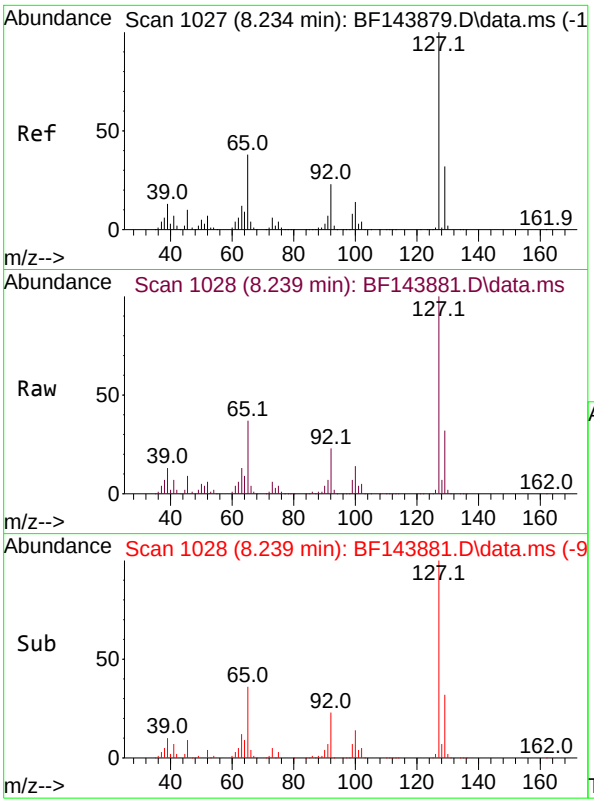


#32
Benzoic acid
Concen: 68.237 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.023 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



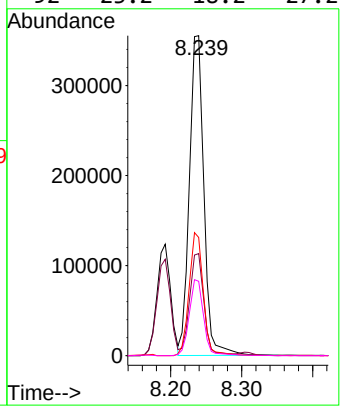


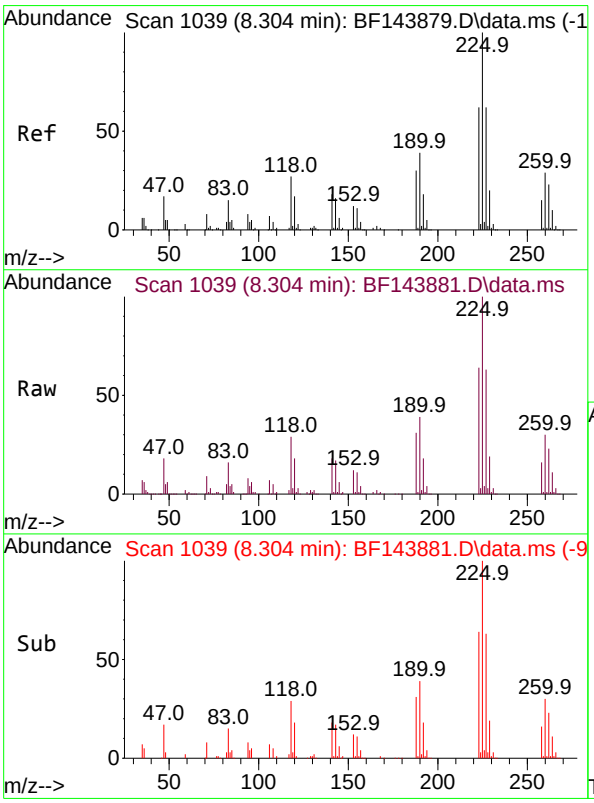
#33
4-Chloroaniline
Concen: 56.451 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

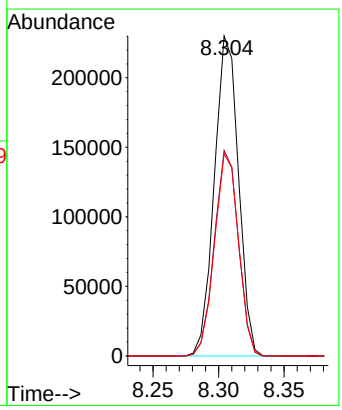


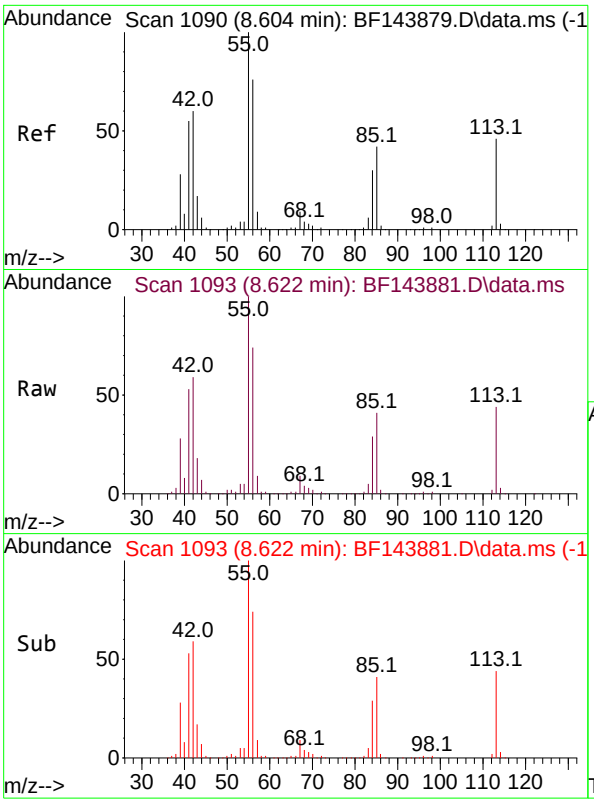


#34
Hexachlorobutadiene
Concen: 55.989 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



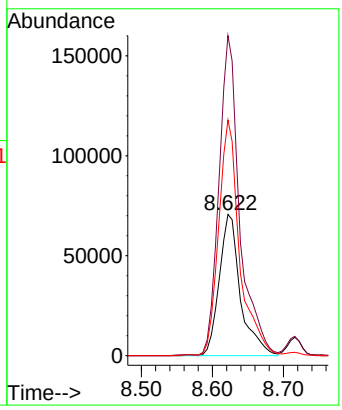


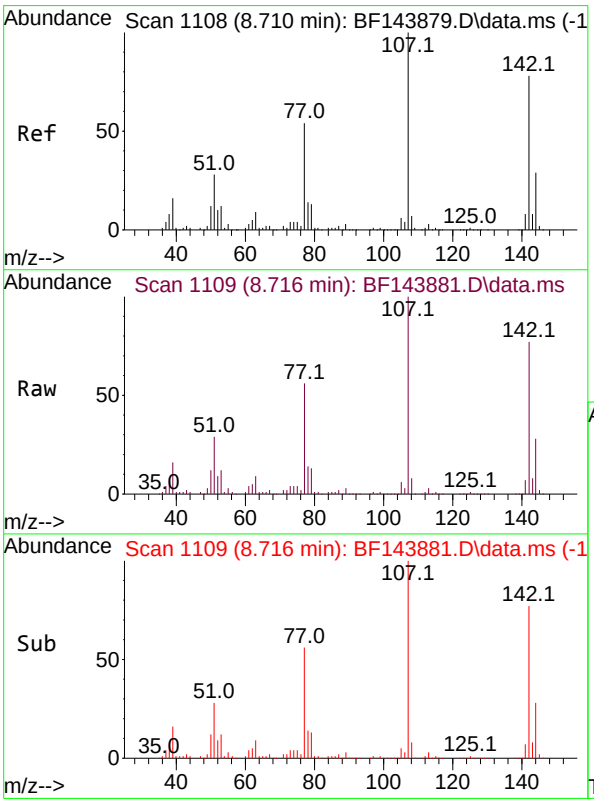
#35
Caprolactam
Concen: 60.055 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.023 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

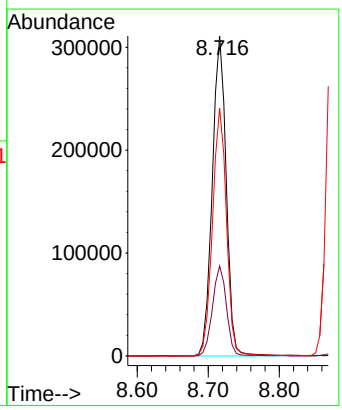


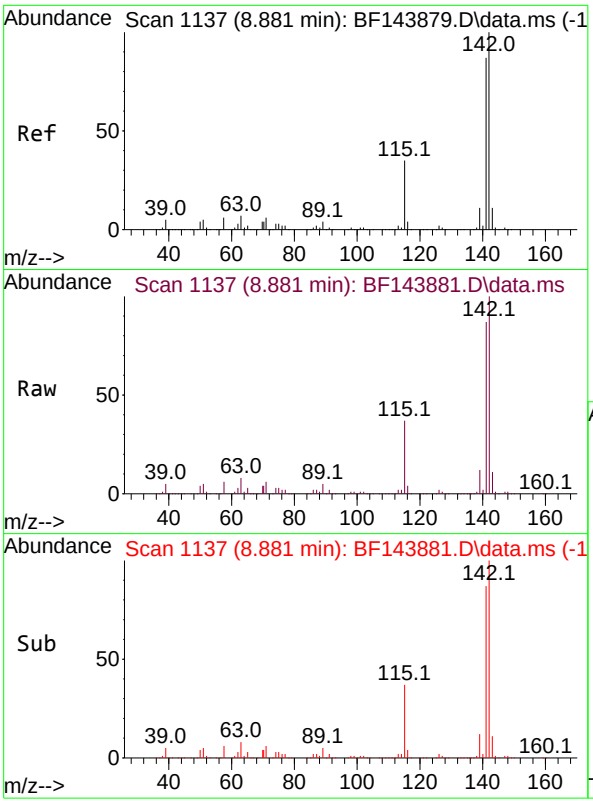


#36
4-Chloro-3-methylphenol
Concen: 57.336 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



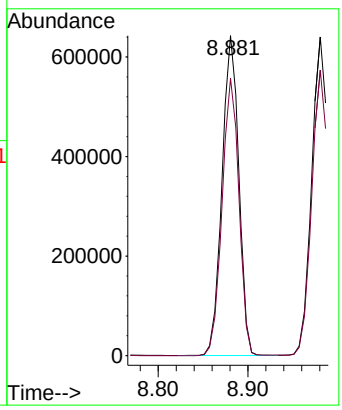


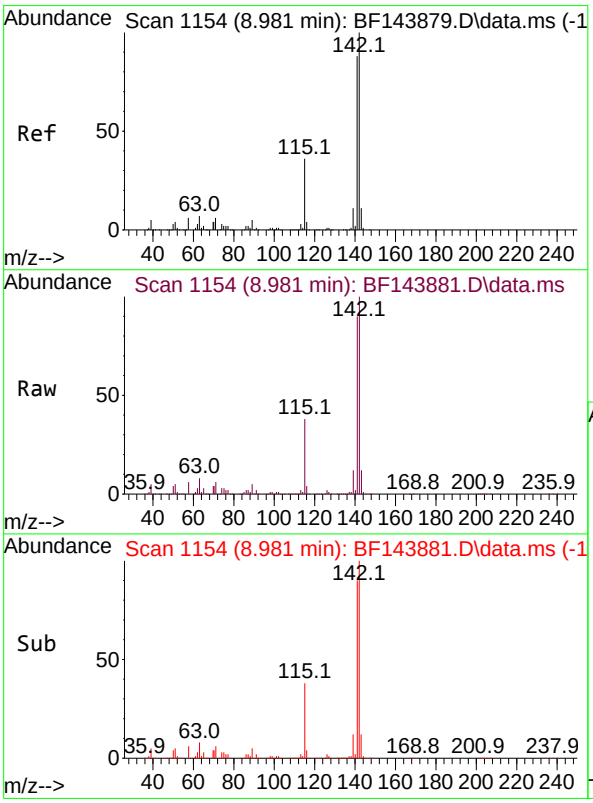
#37
2-Methylnaphthalene
Concen: 52.814 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 838837

Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.2	103.8

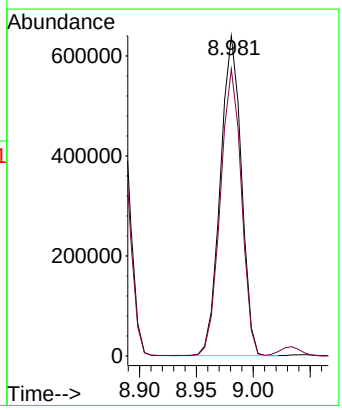


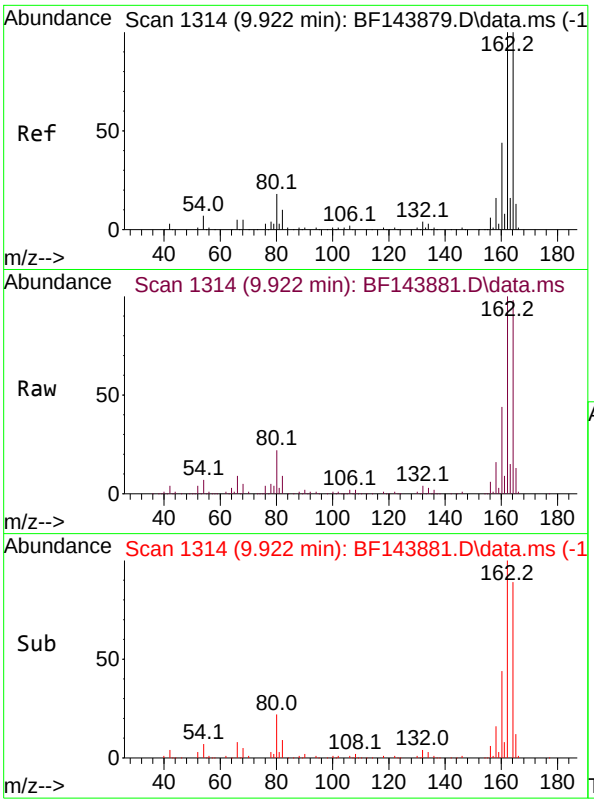


#38
1-Methylnaphthalene
Concen: 53.405 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

Tgt Ion:142 Resp: 822755

Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.8	106.2



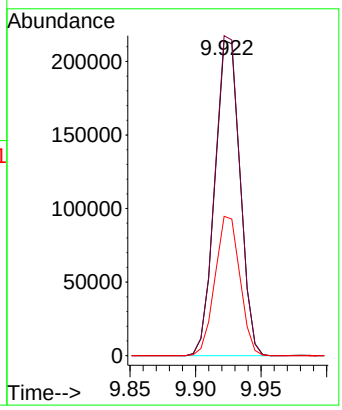


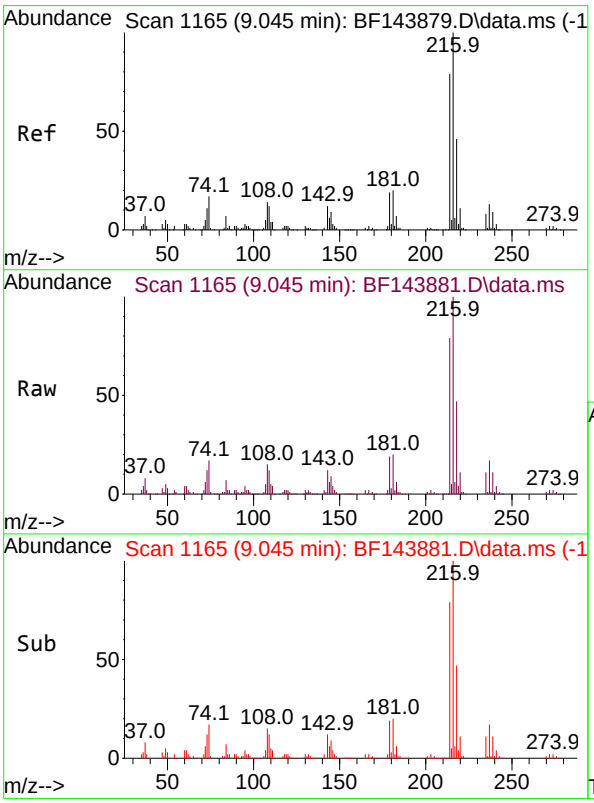
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

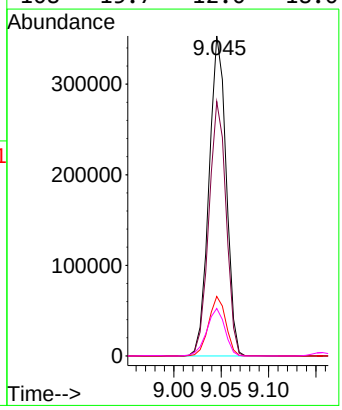


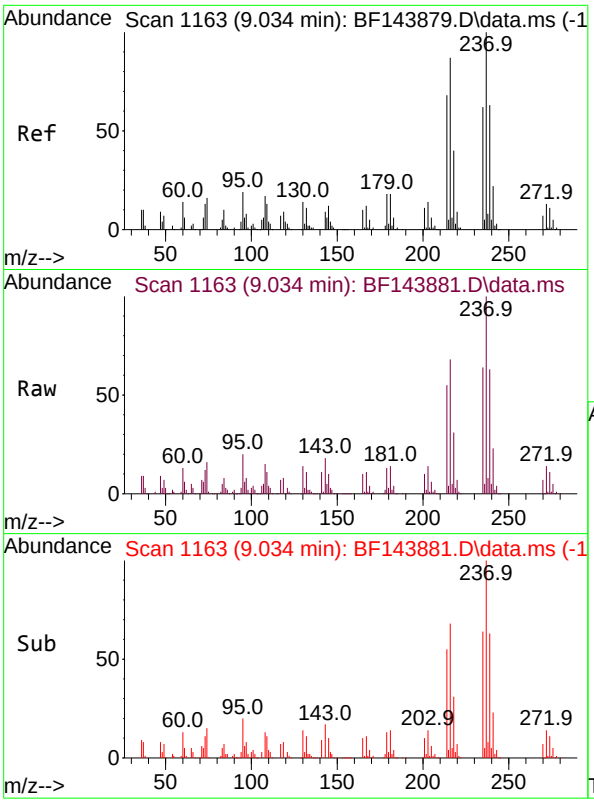


#40
1,2,4,5-Tetrachlorobenzene
Concen: 56.382 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



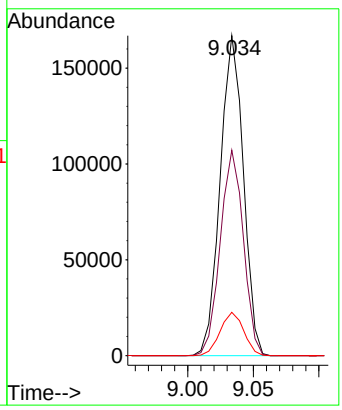


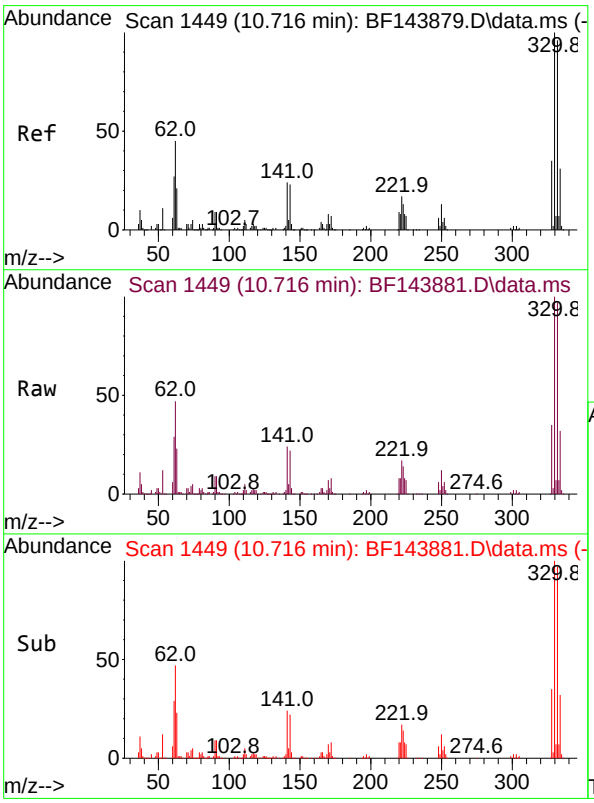
#41
Hexachlorocyclopentadiene
Concen: 62.806 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

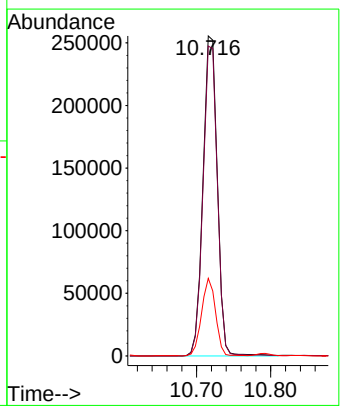


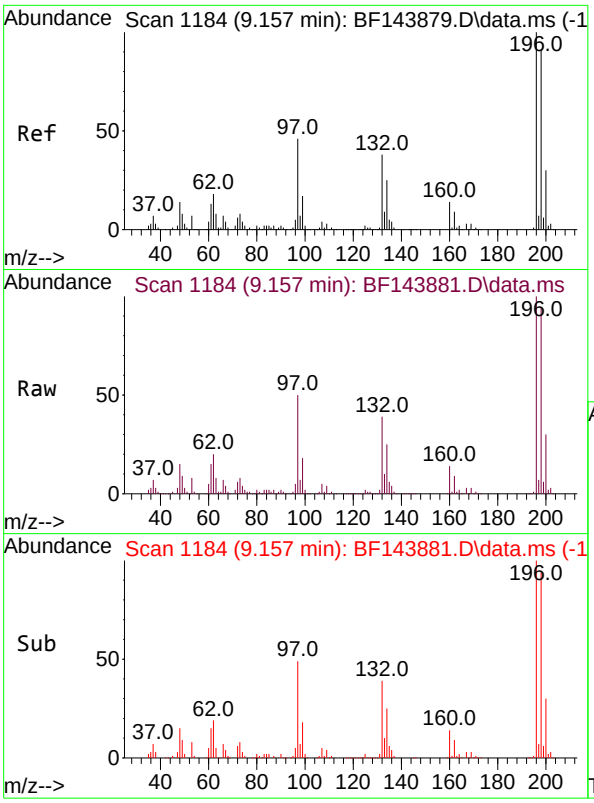


#42
2,4,6-Tribromophenol
Concen: 120.554 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



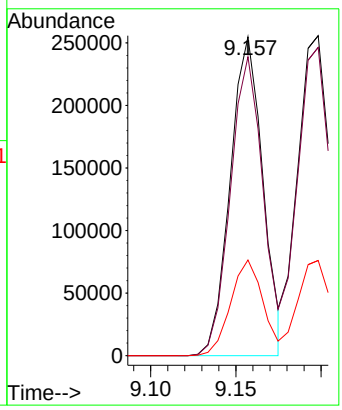


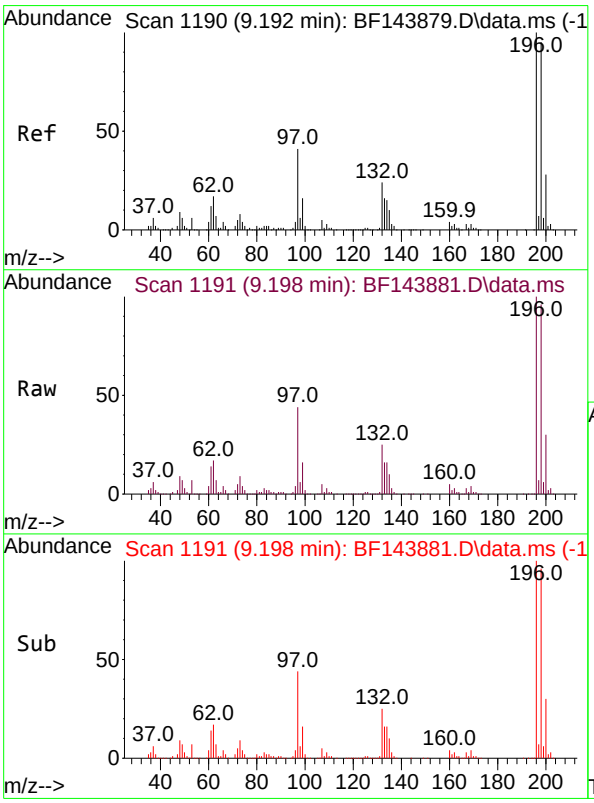
#43
2,4,6-Trichlorophenol
Concen: 58.657 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

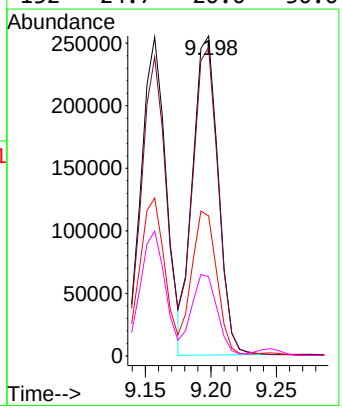


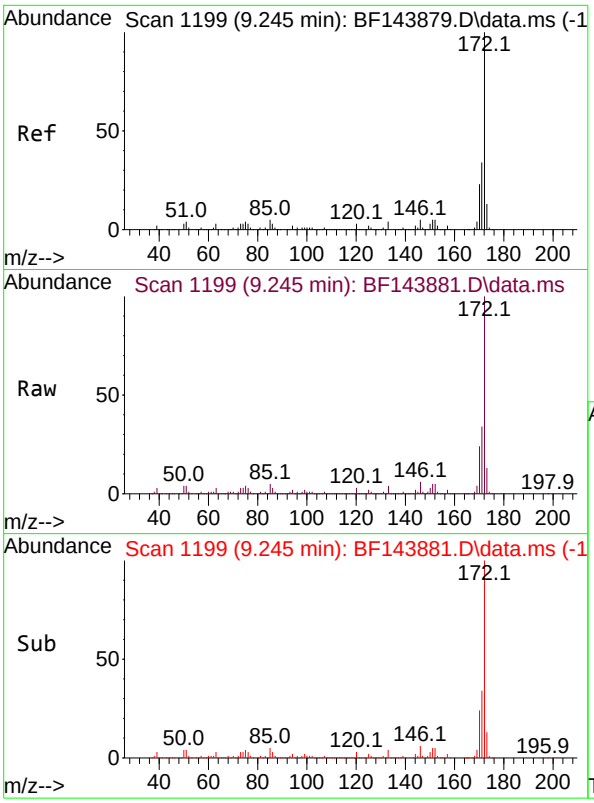


#44
2,4,5-Trichlorophenol
Concen: 56.620 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



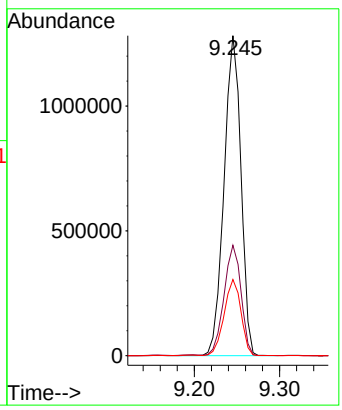


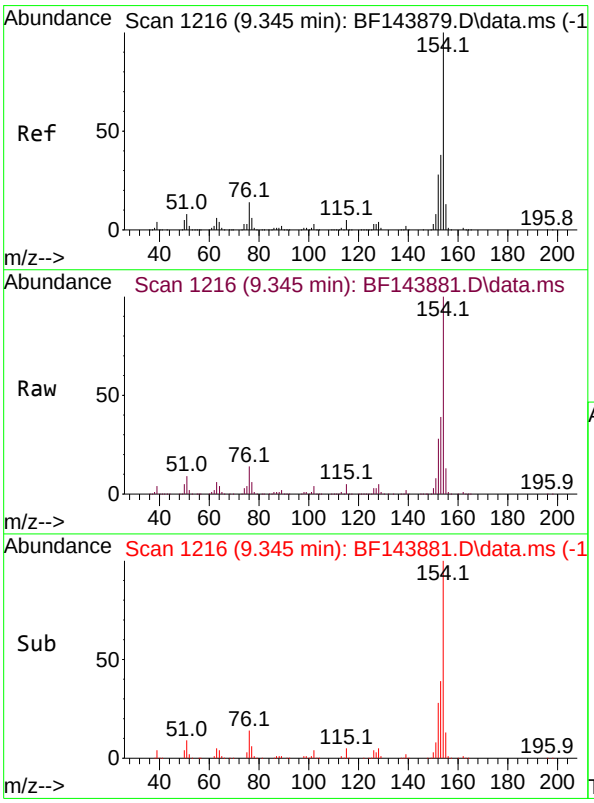
#45
2-Fluorobiphenyl
Concen: 97.871 ng
RT: 9.245 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

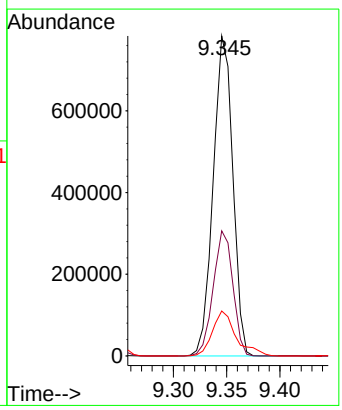


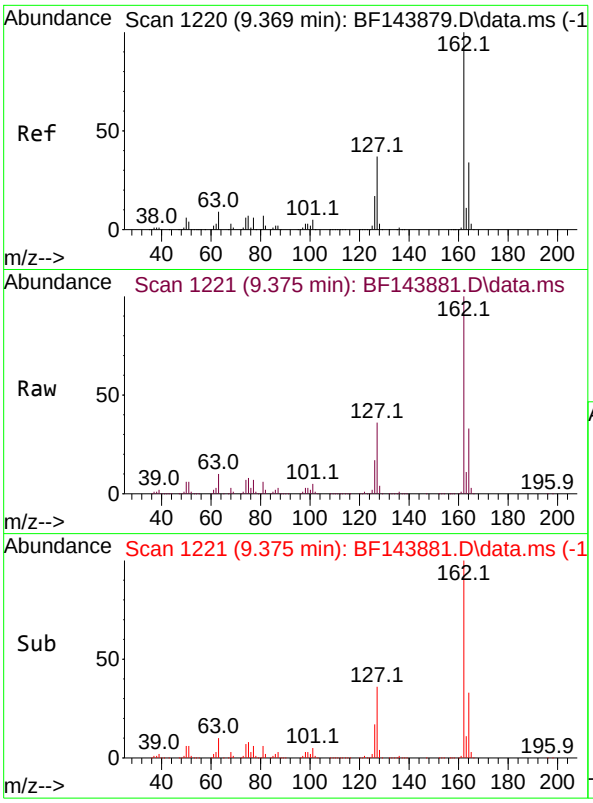


#46
1,1'-Biphenyl
Concen: 53.040 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



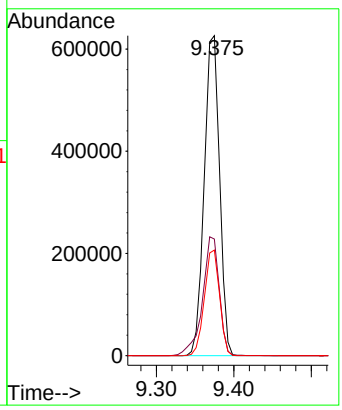


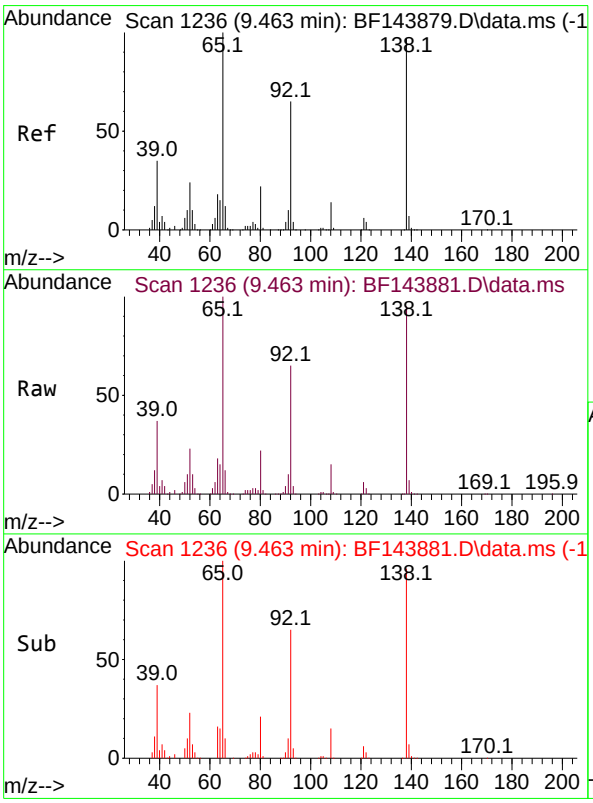
#47
2-Chloronaphthalene
Concen: 54.531 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

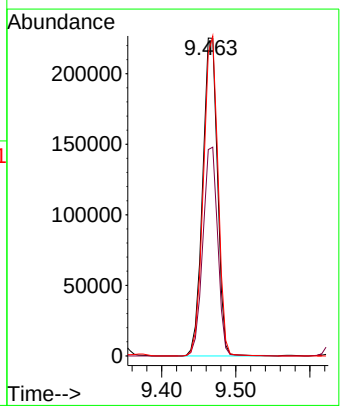


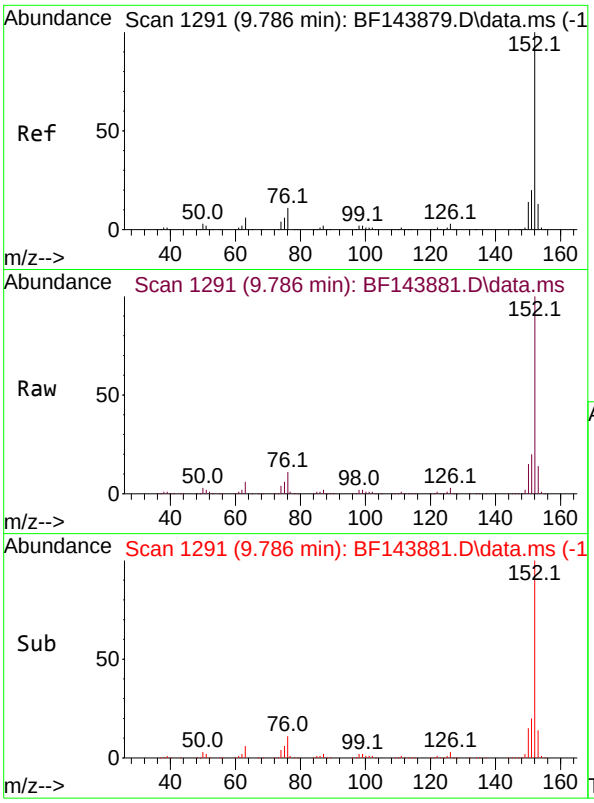


#48
2-Nitroaniline
Concen: 62.679 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



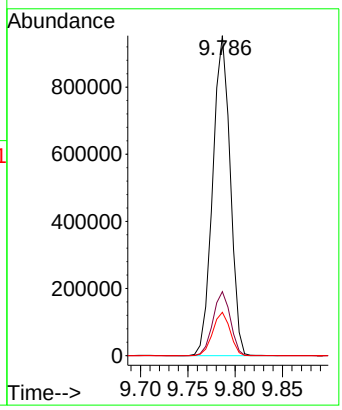


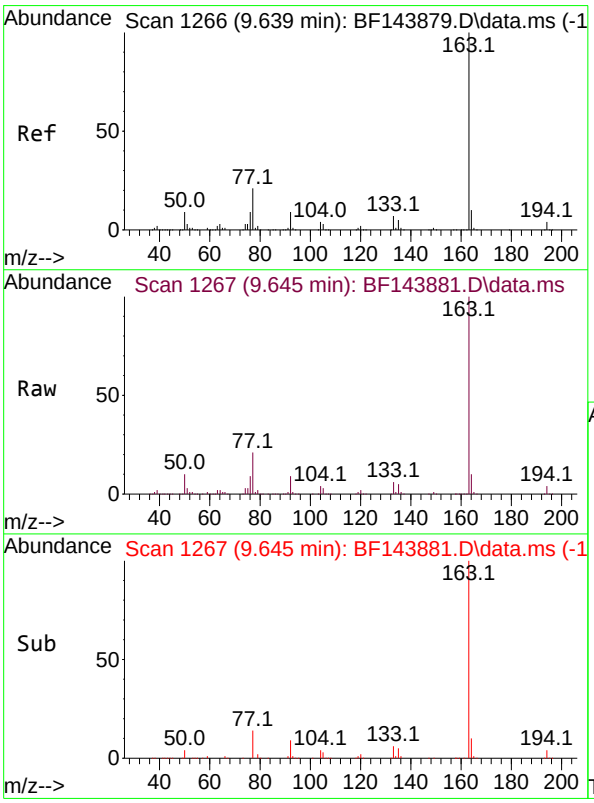
#49
Acenaphthylene
Concen: 55.140 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

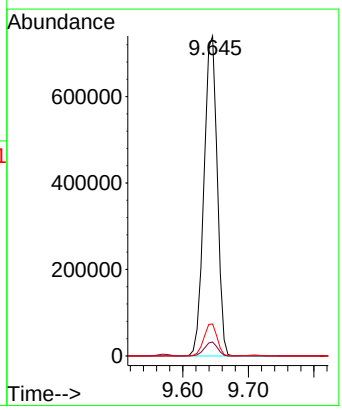


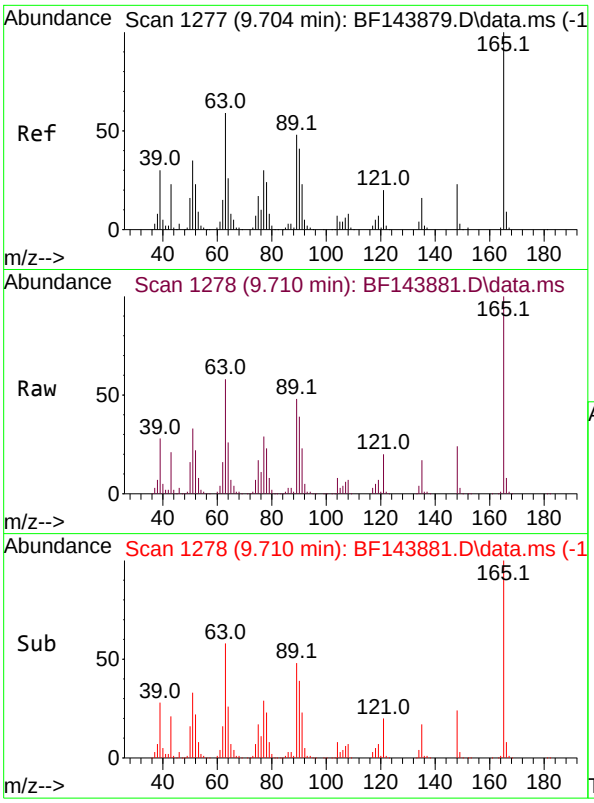


#50
Dimethylphthalate
Concen: 56.783 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



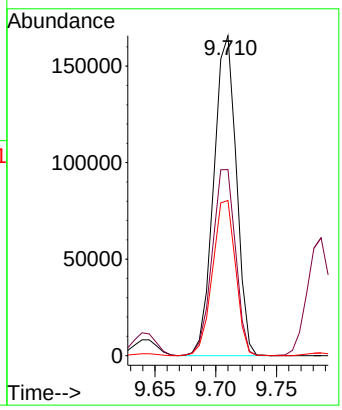


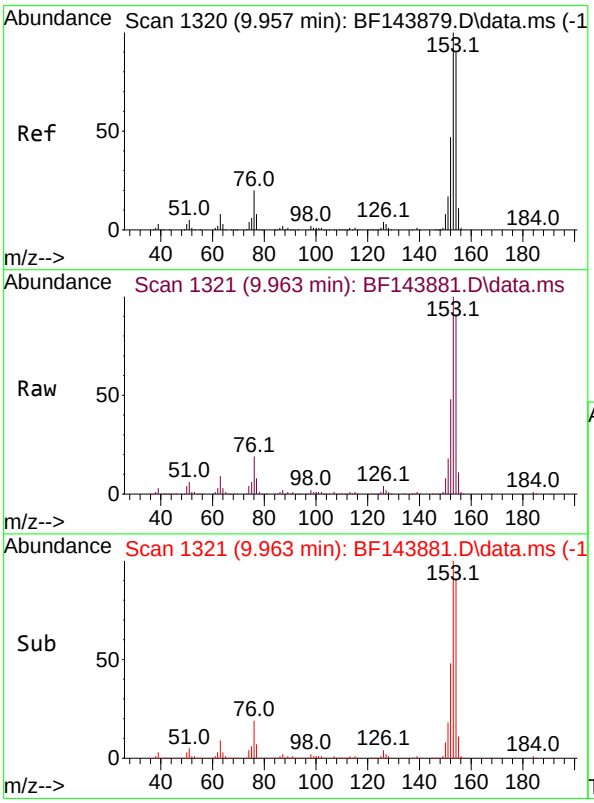
#51
2,6-Dinitrotoluene
Concen: 63.587 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

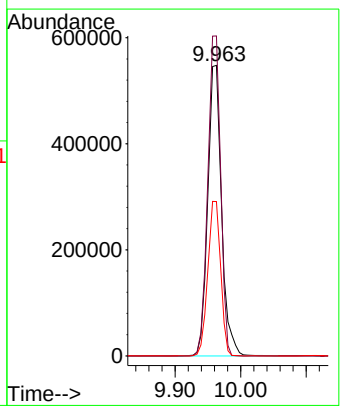


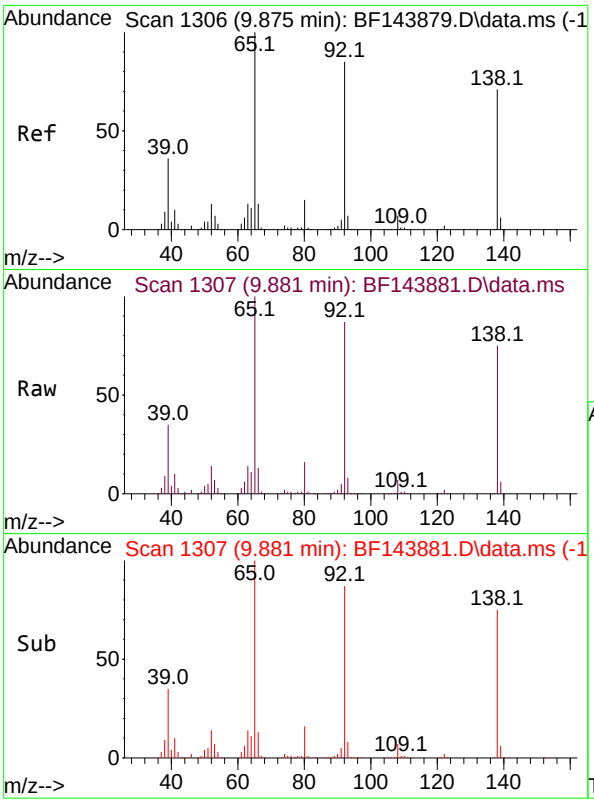


#52
Acenaphthene
Concen: 55.124 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



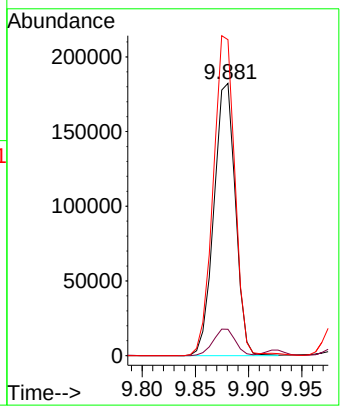


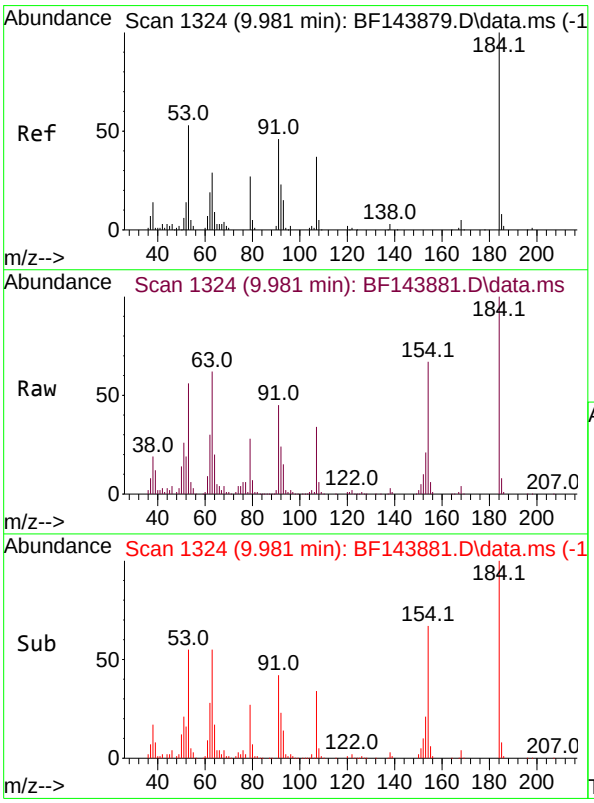
#53
3-Nitroaniline
Concen: 62.070 ng
RT: 9.881 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

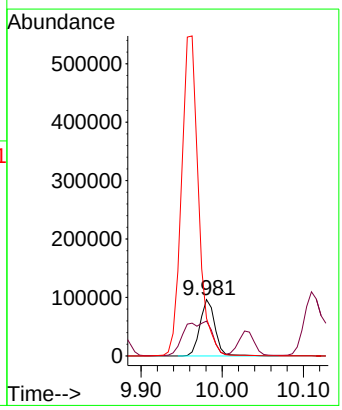


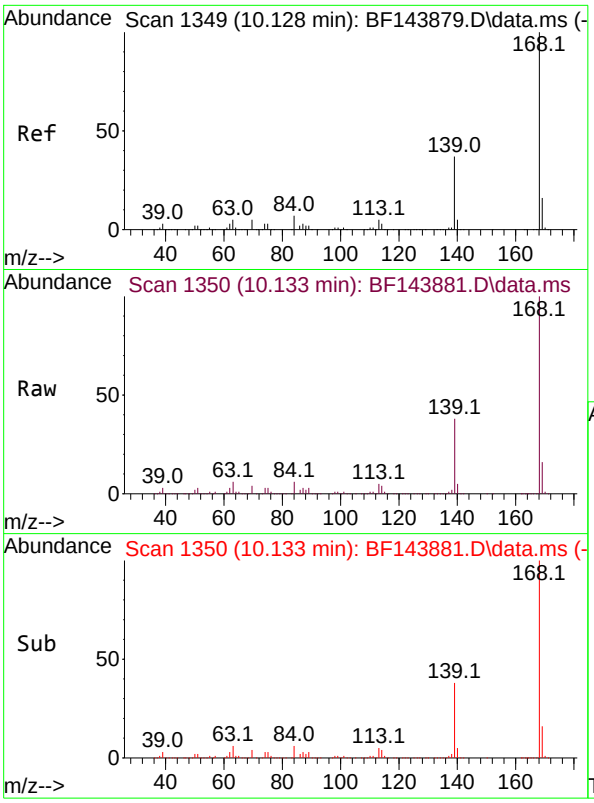


#54
2,4-Dinitrophenol
Concen: 61.138 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



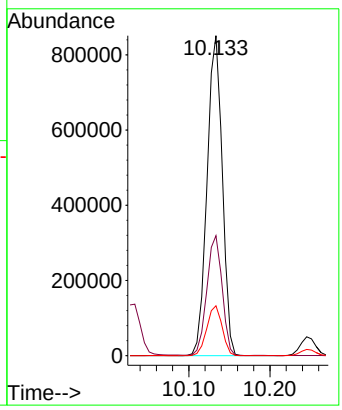


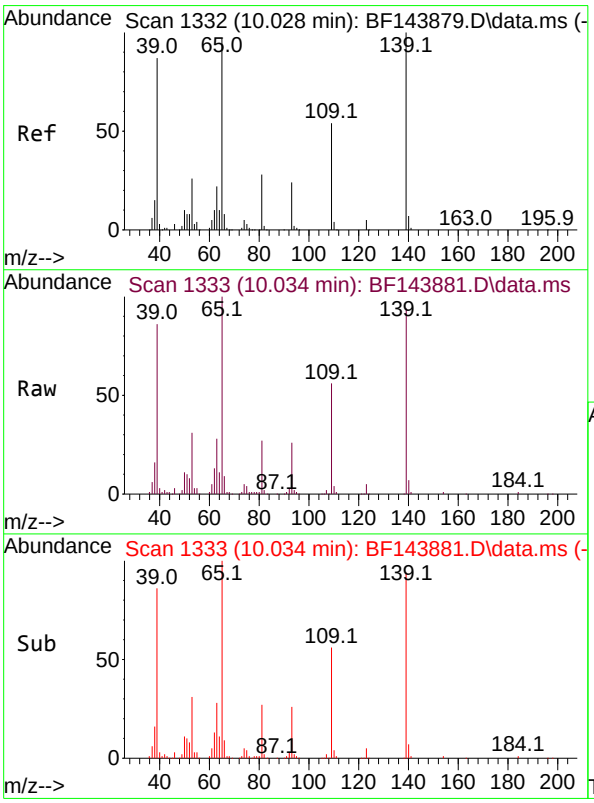
#55
Dibenzofuran
Concen: 54.120 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

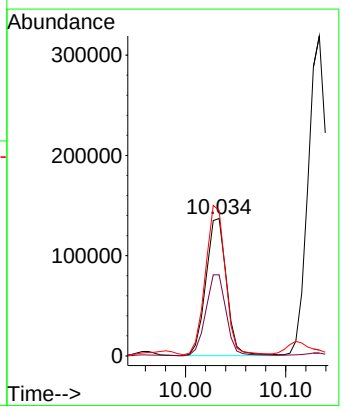


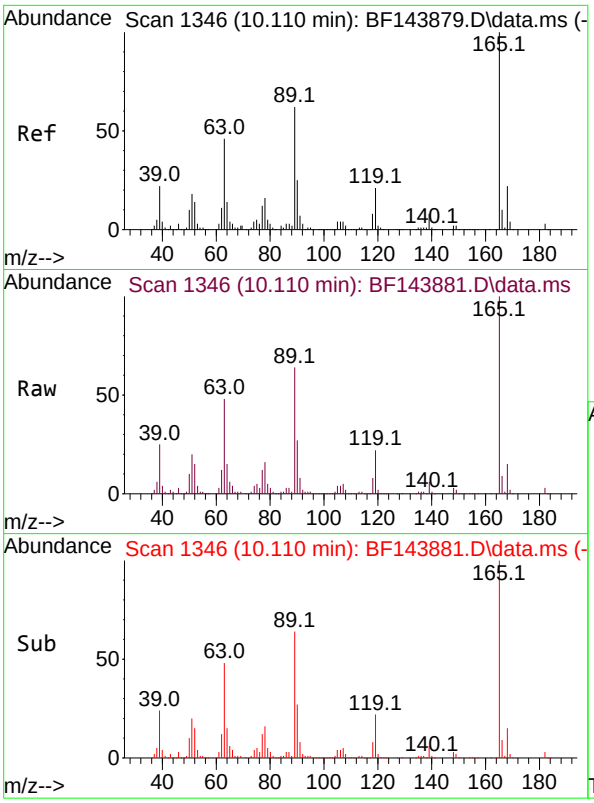


#56
4-Nitrophenol
Concen: 62.550 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



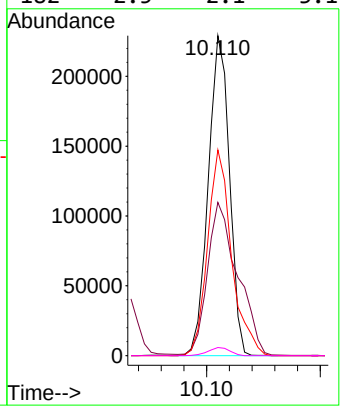


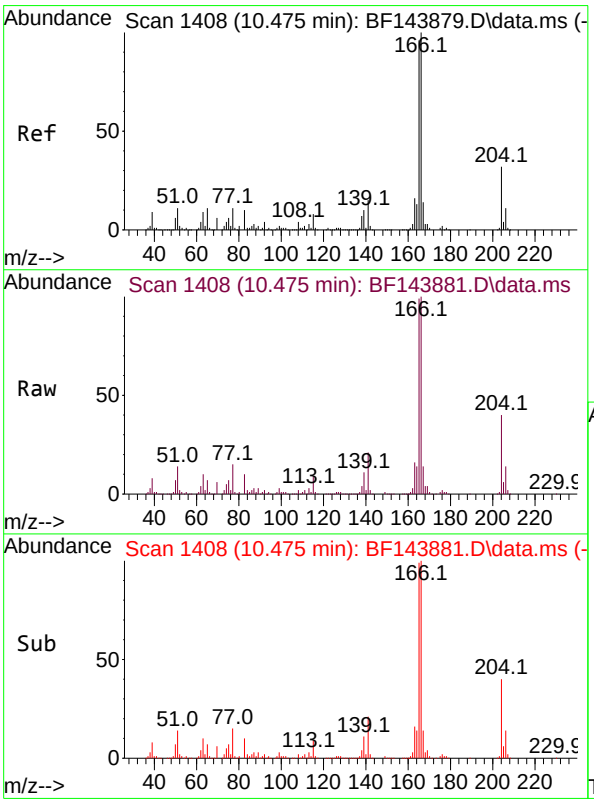
#57
2,4-Dinitrotoluene
Concen: 64.812 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

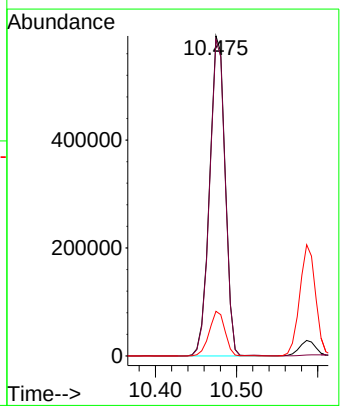


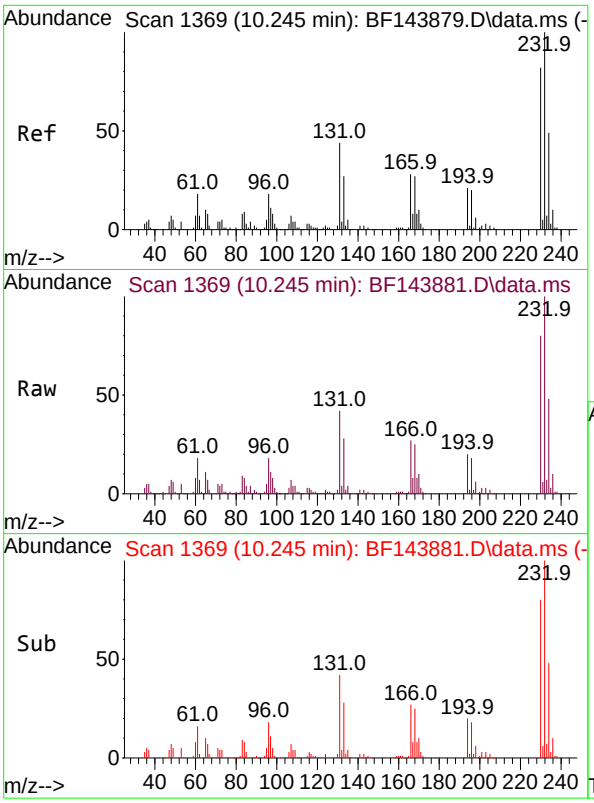


#58
Fluorene
Concen: 51.090 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



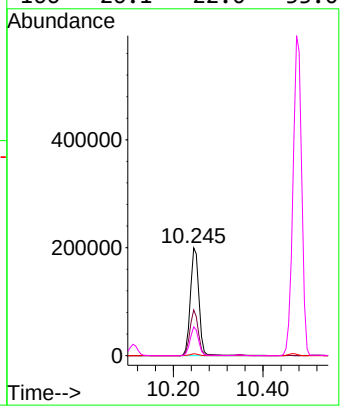


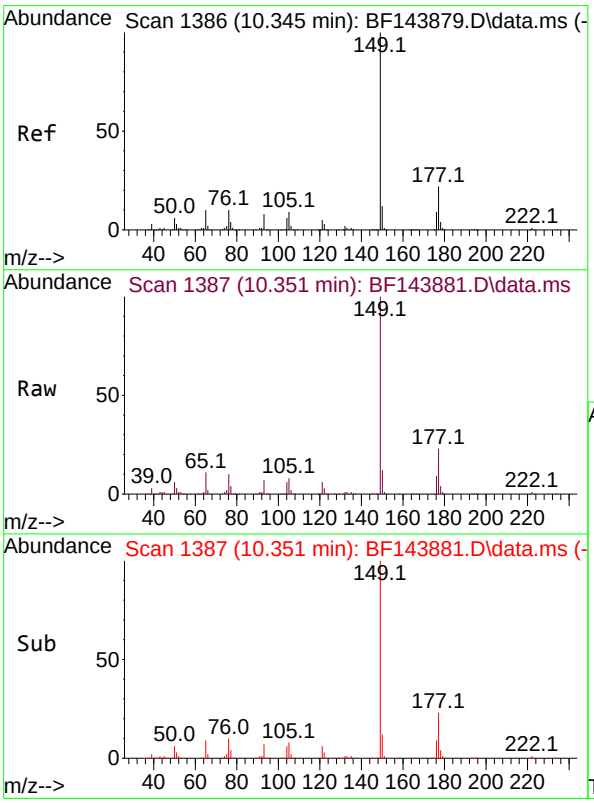
#59
2,3,4,6-Tetrachlorophenol
Concen: 61.283 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

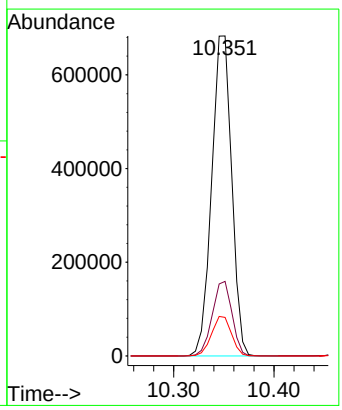


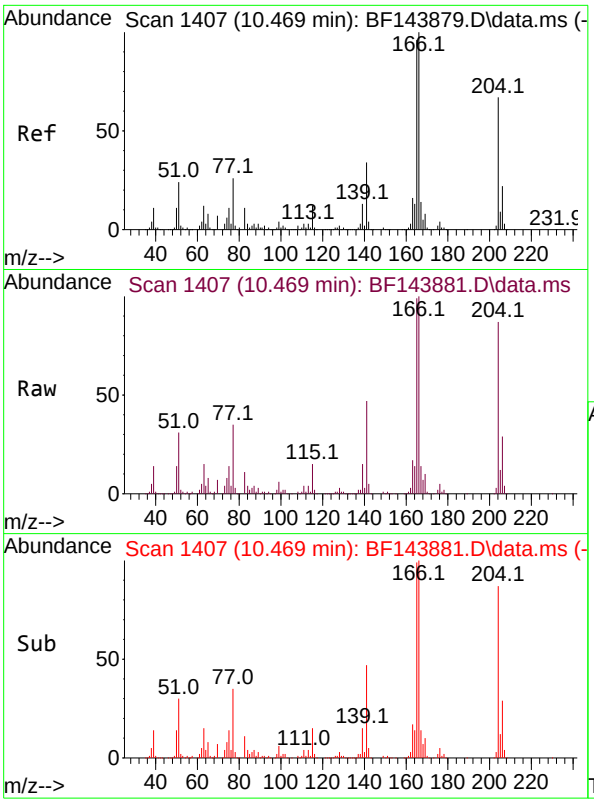


#60
Diethylphthalate
Concen: 56.214 ng
RT: 10.351 min Scan# 1387
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



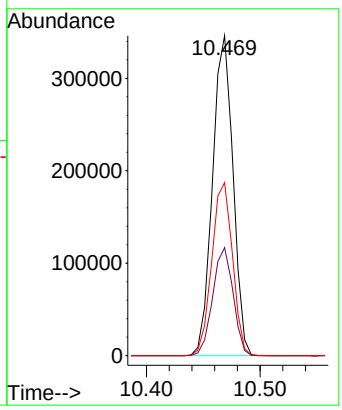


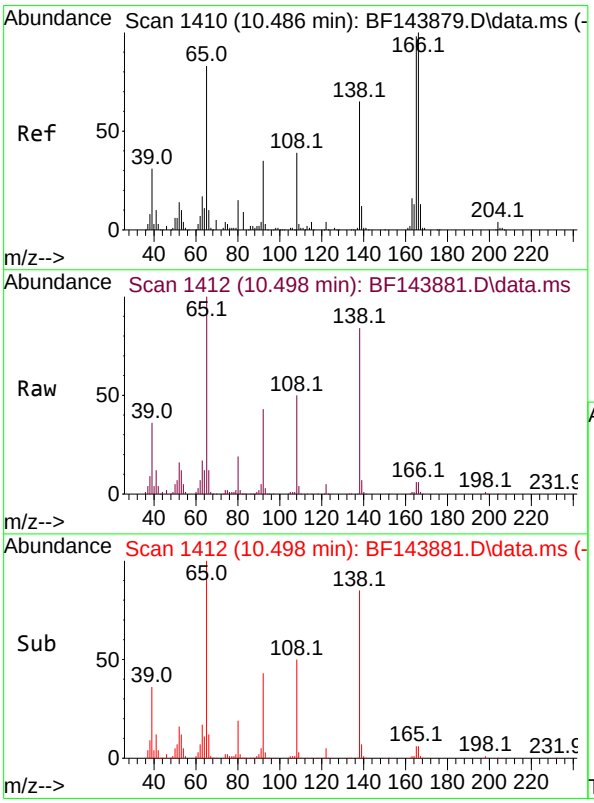
#61
4-Chlorophenyl-phenylether
Concen: 52.905 ng
RT: 10.469 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

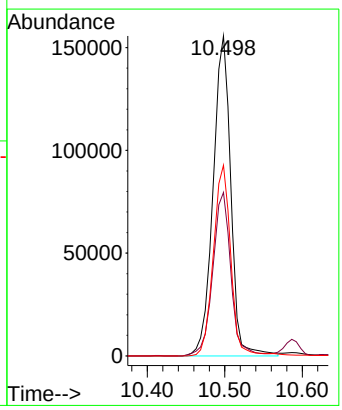


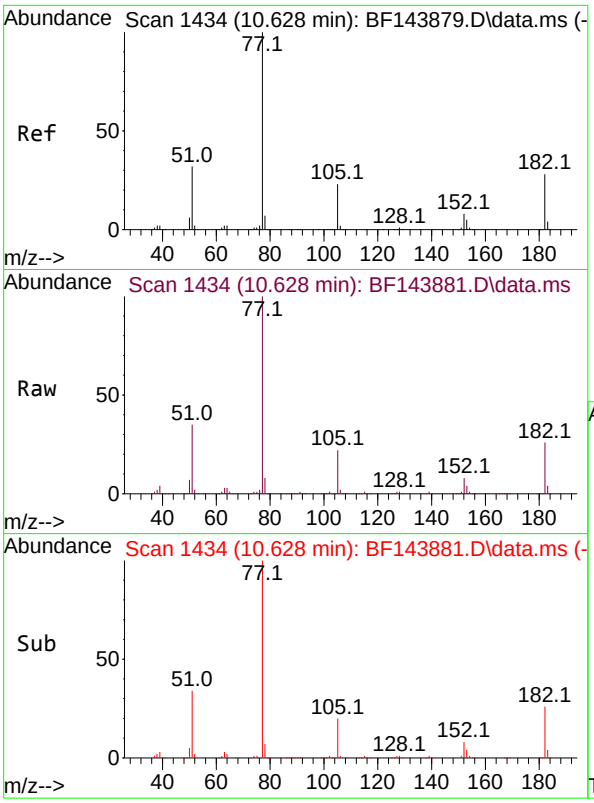


#62
4-Nitroaniline
Concen: 62.288 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



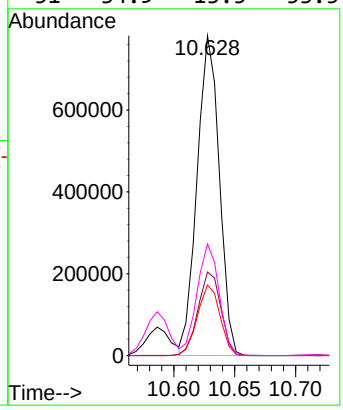


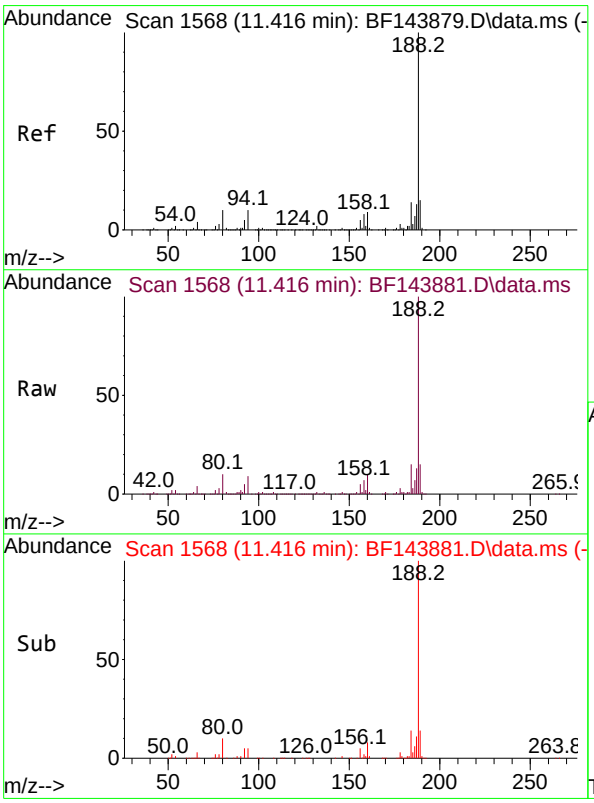
#63
Azobenzene
Concen: 56.252 ng
RT: 10.628 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

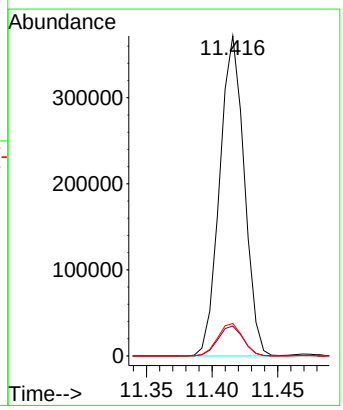


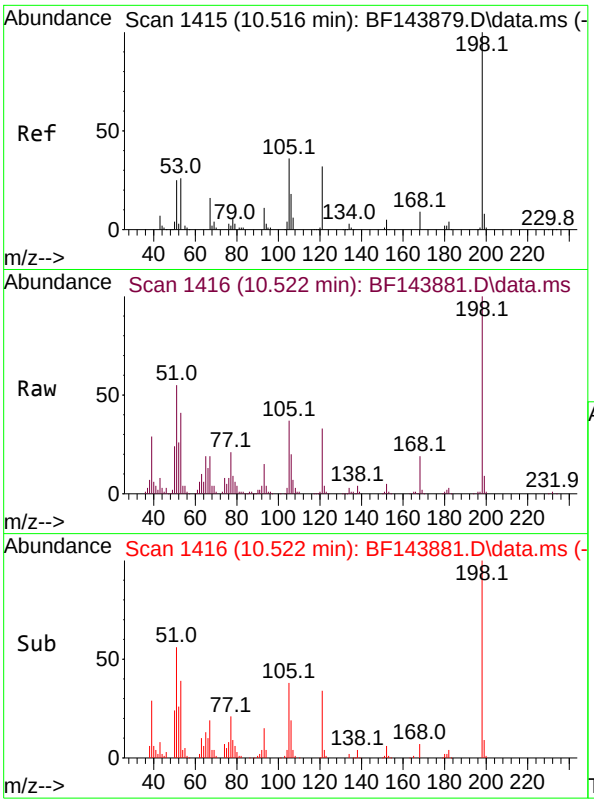


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



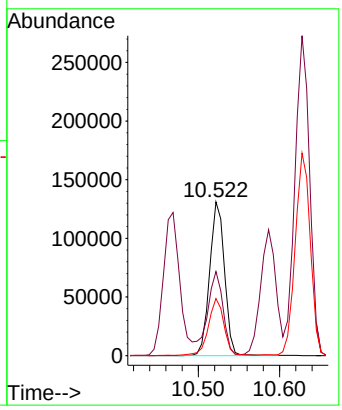


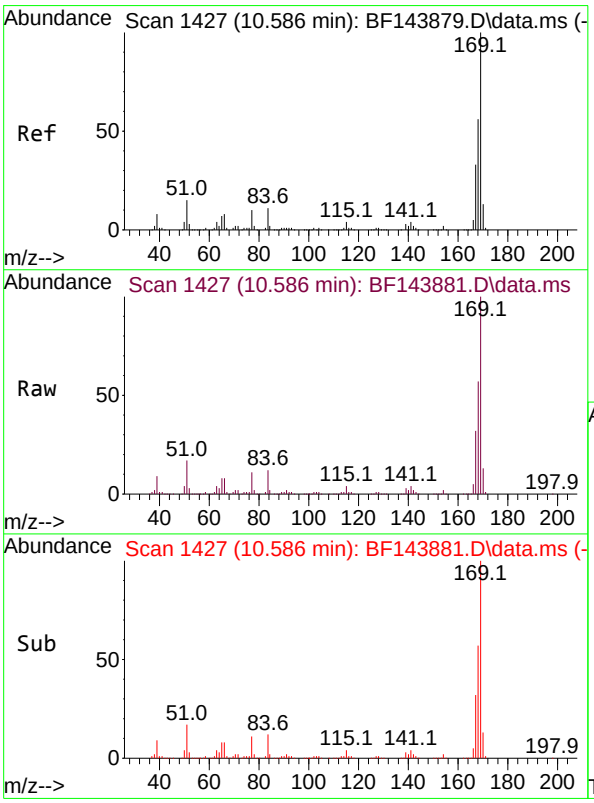
#65
4,6-Dinitro-2-methylphenol
Concen: 68.344 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

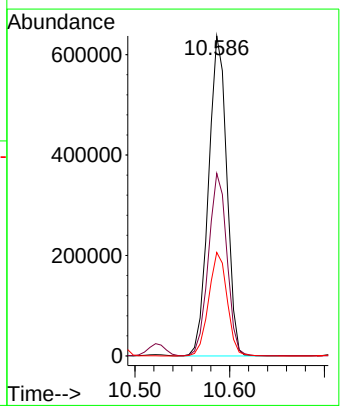


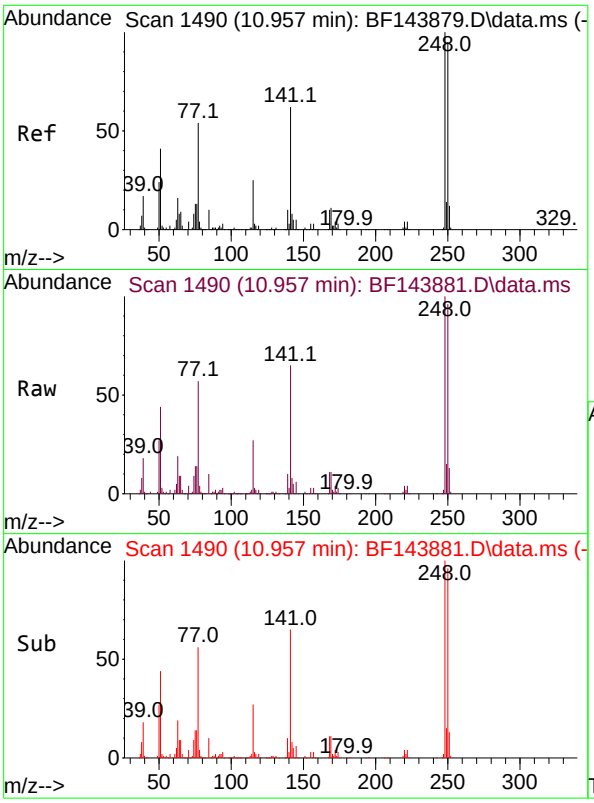


#66
n-Nitrosodiphenylamine
Concen: 55.797 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



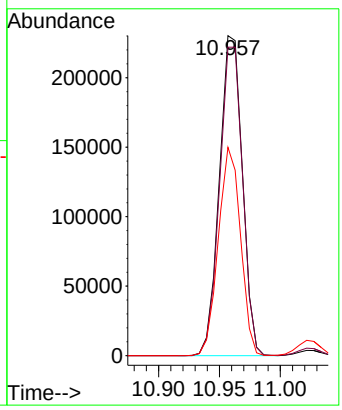


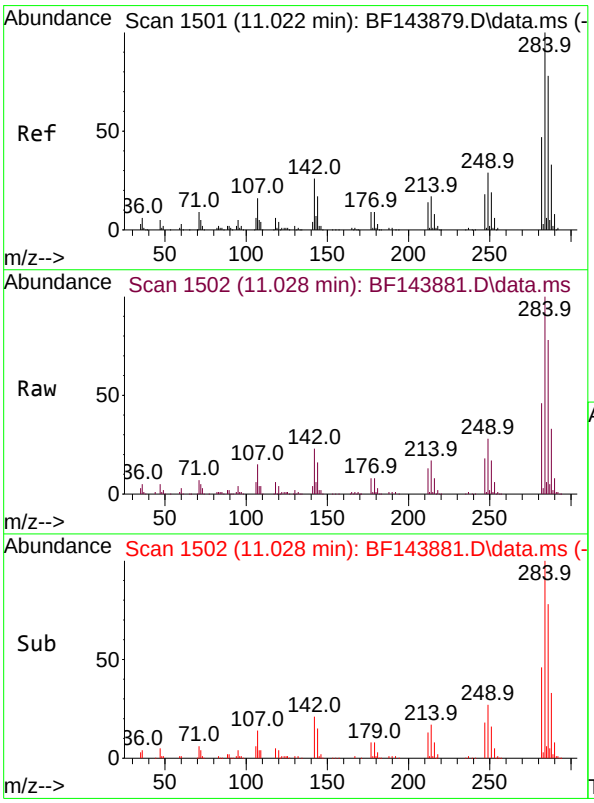
#67
4-Bromophenyl-phenylether
Concen: 56.317 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

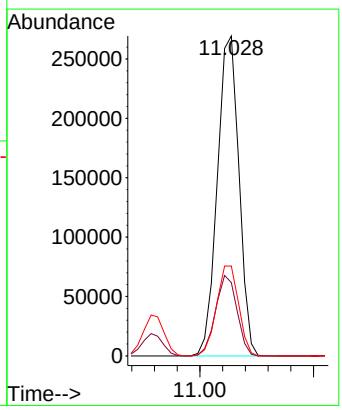


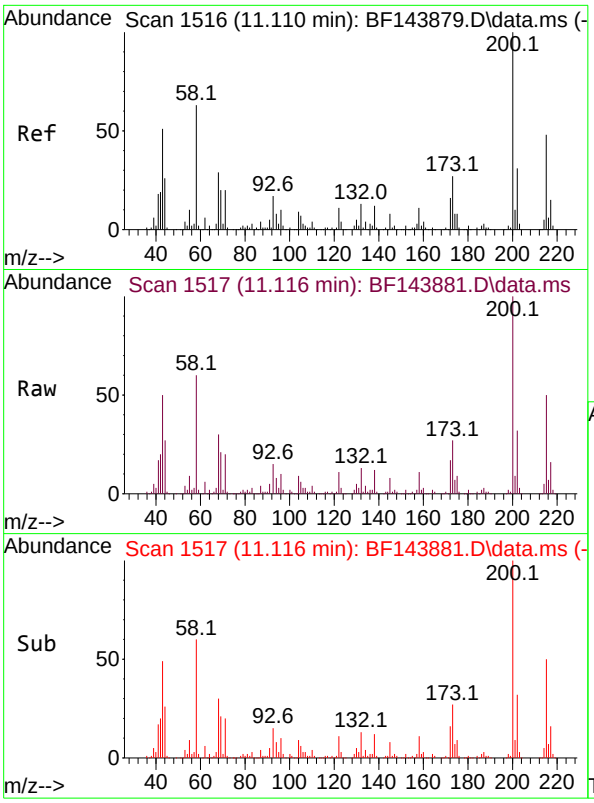


#68
Hexachlorobenzene
Concen: 57.378 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



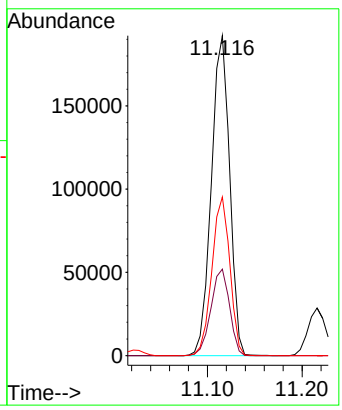


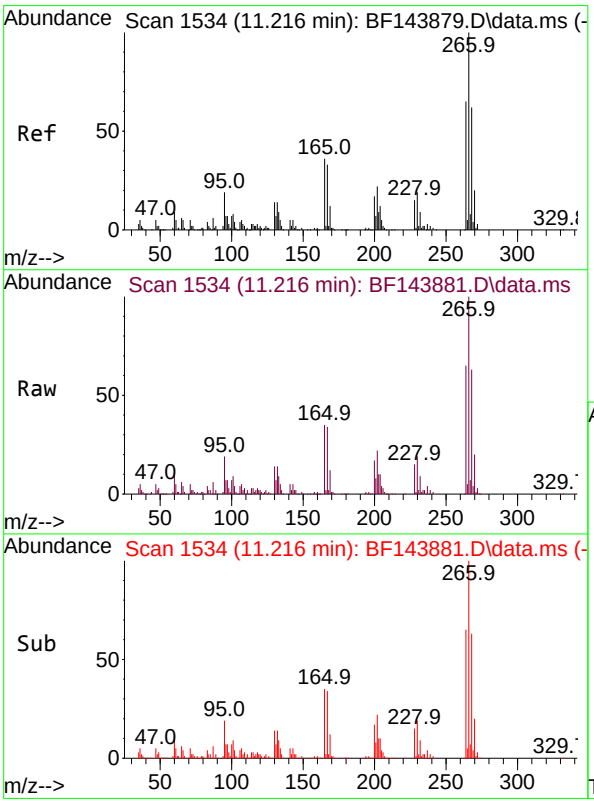
#69
Atrazine
Concen: 55.713 ng
RT: 11.116 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

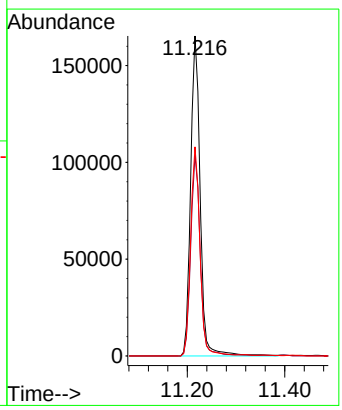


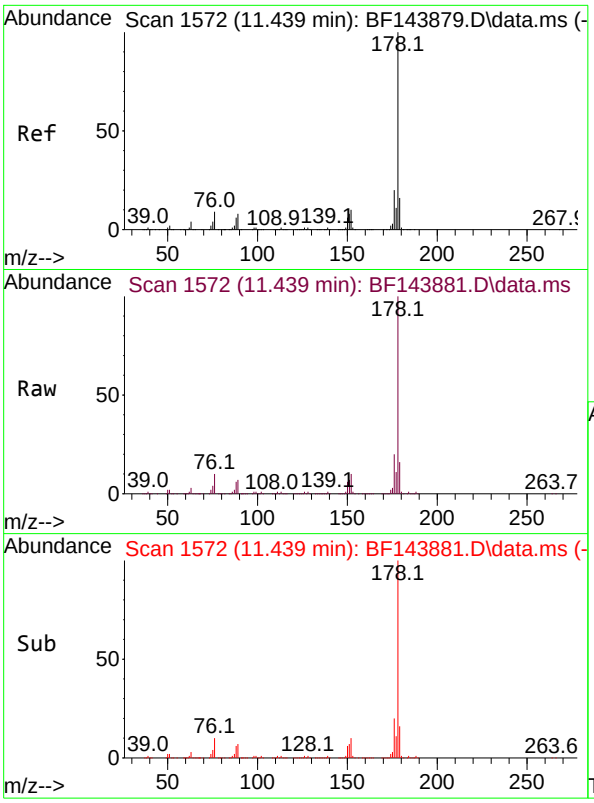


#70
Pentachlorophenol
Concen: 62.792 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



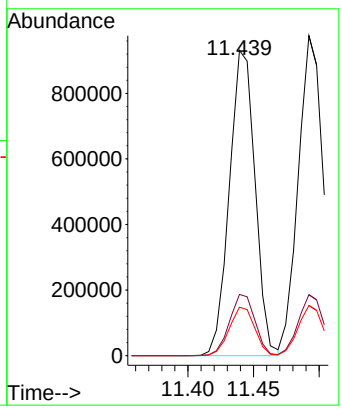


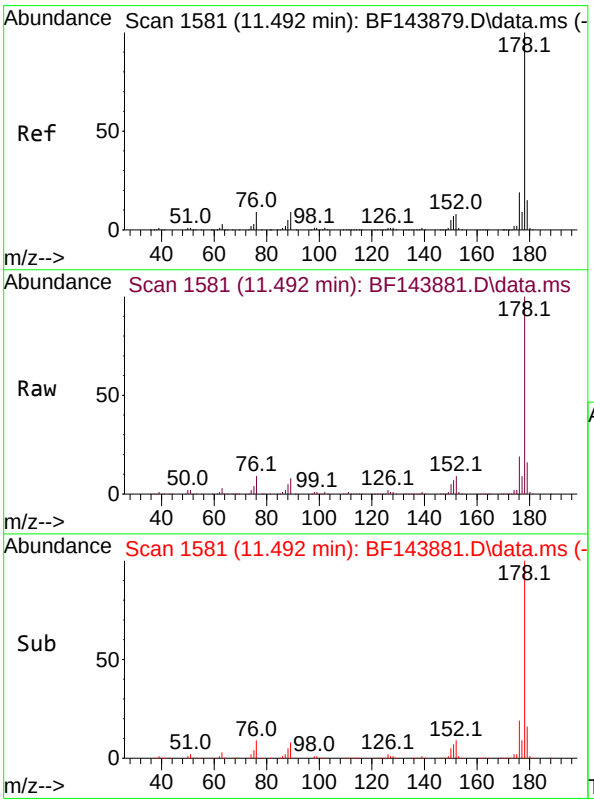
#71
Phenanthrene
Concen: 53.961 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

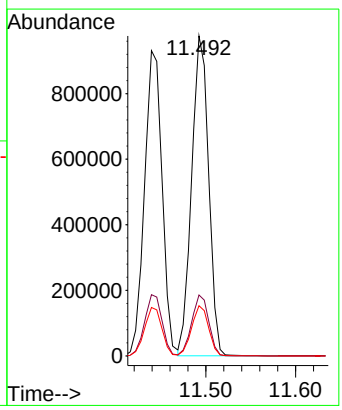


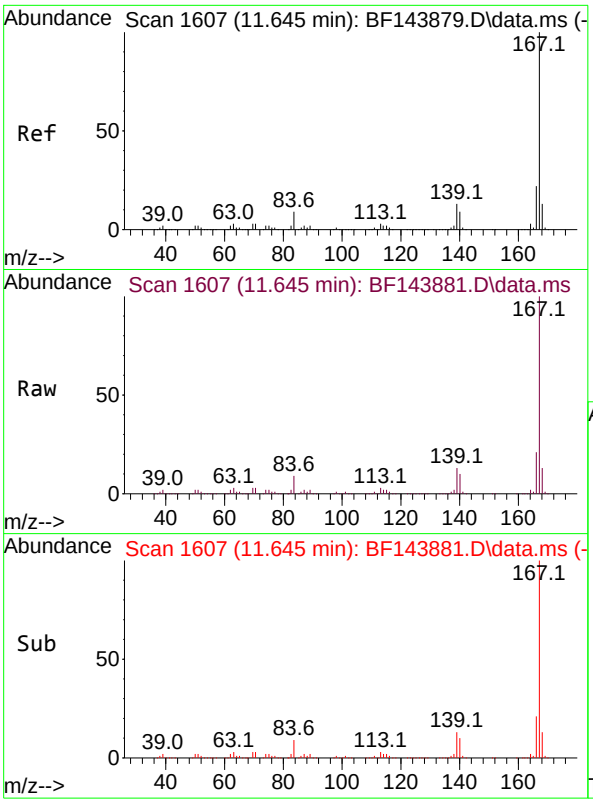


#72
Anthracene
Concen: 53.956 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



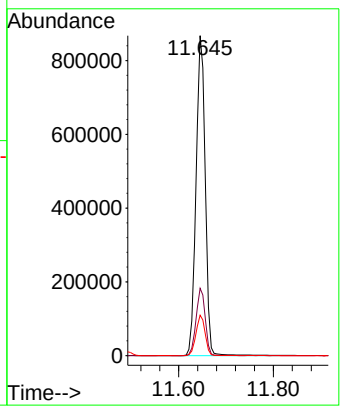


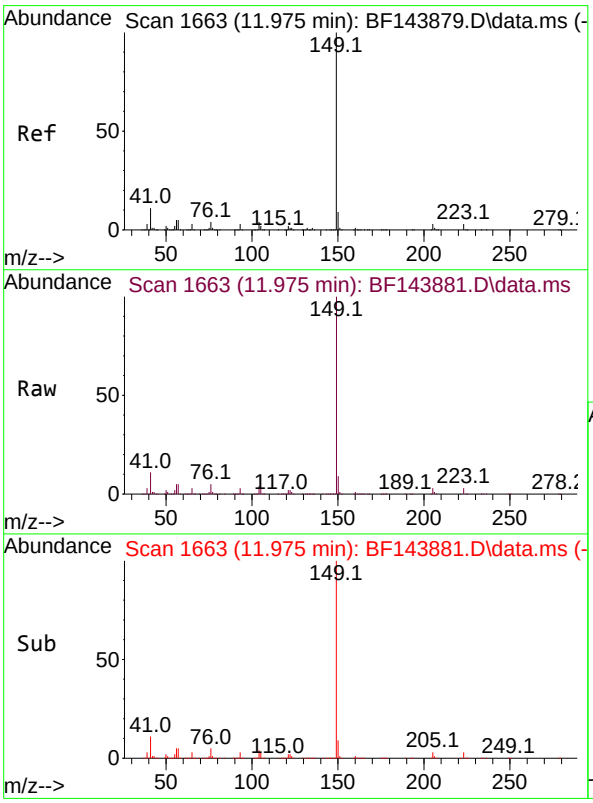
#73
Carbazole
Concen: 55.592 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

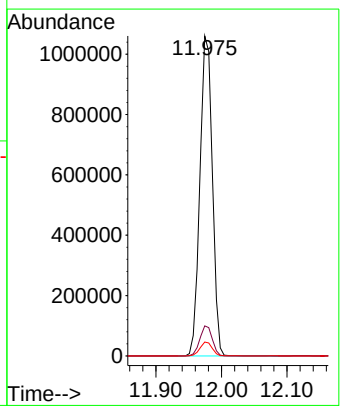


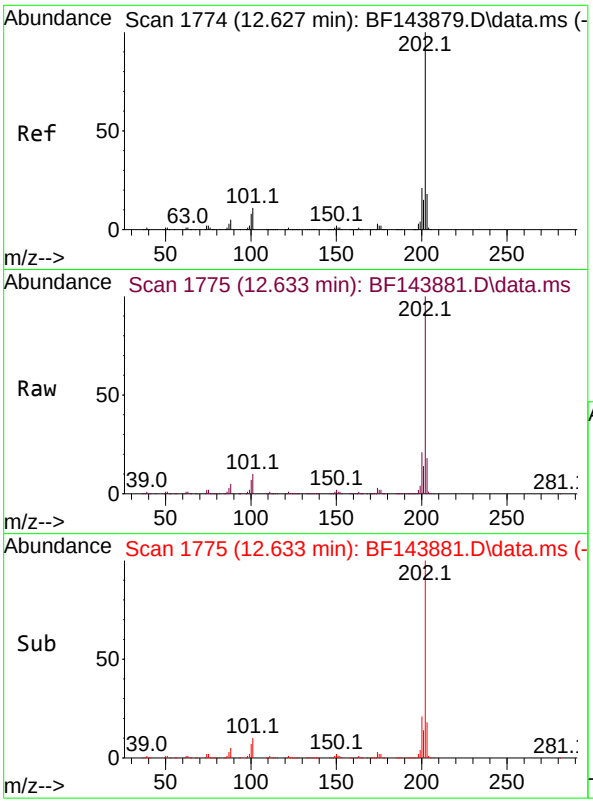


#74
Di-n-butylphthalate
Concen: 56.934 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



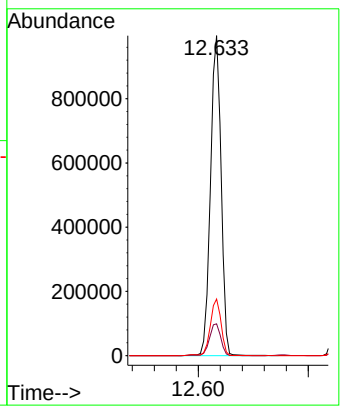


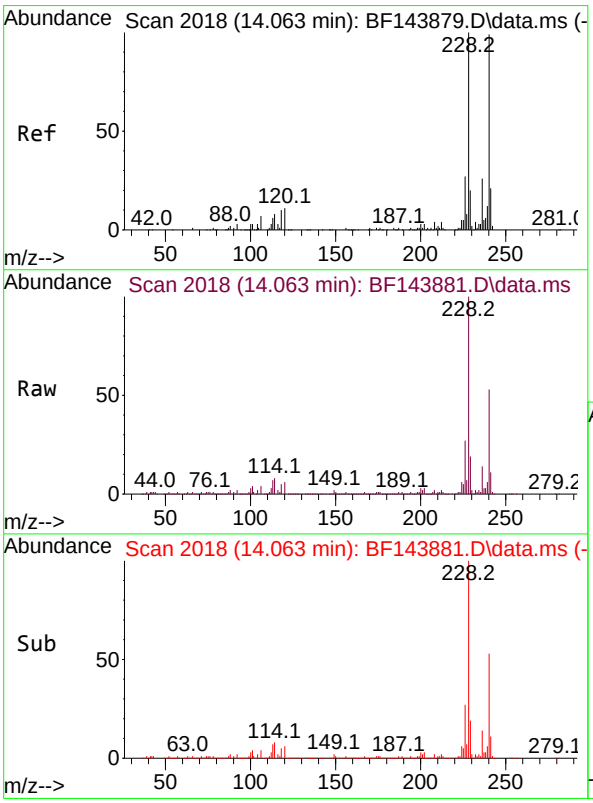
#75
Fluoranthene
Concen: 54.530 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

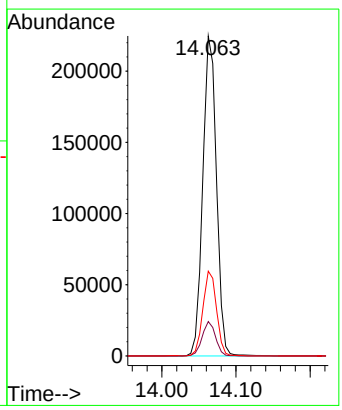


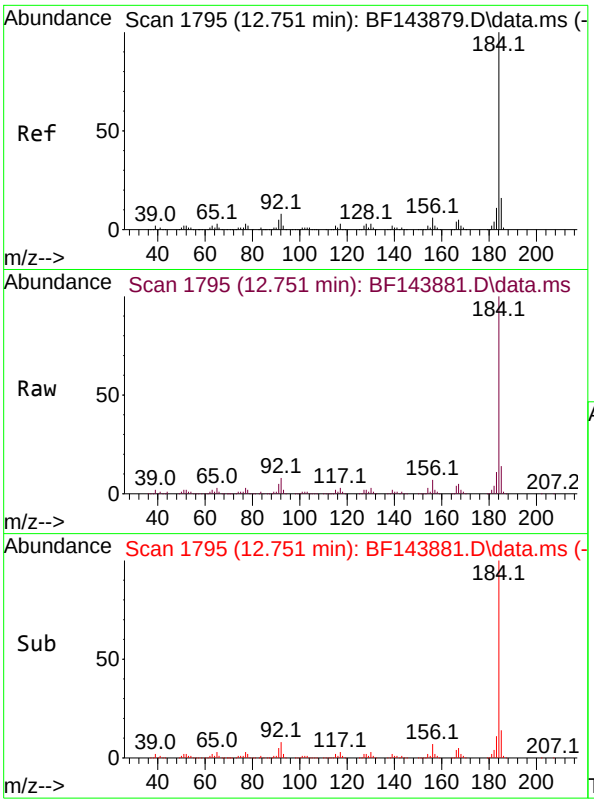


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



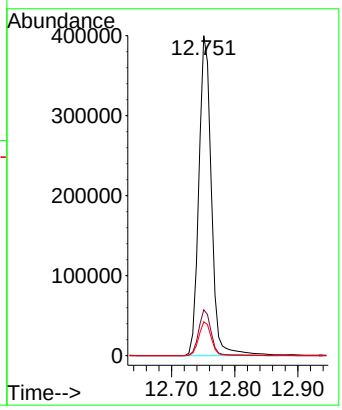


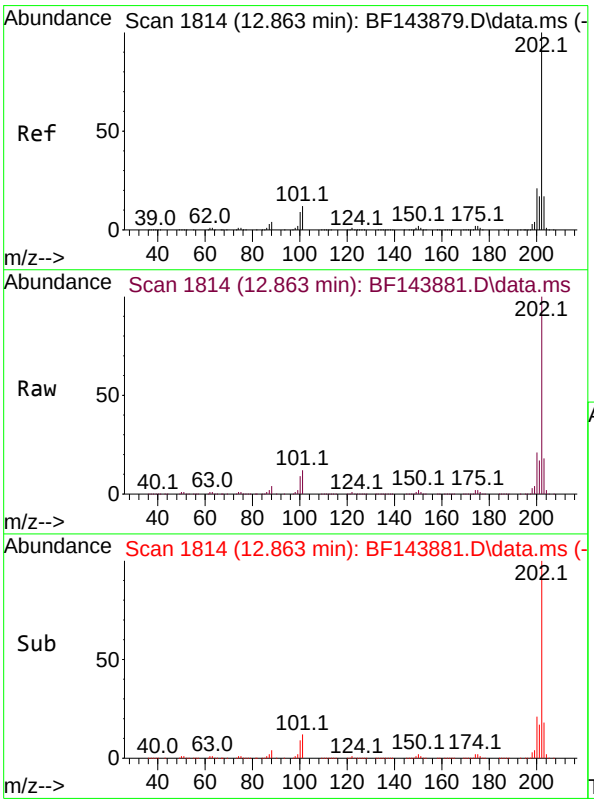
#77
Benzidine
Concen: 55.312 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

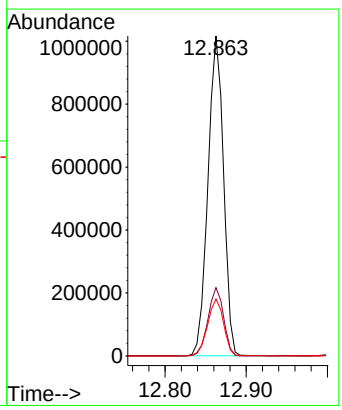


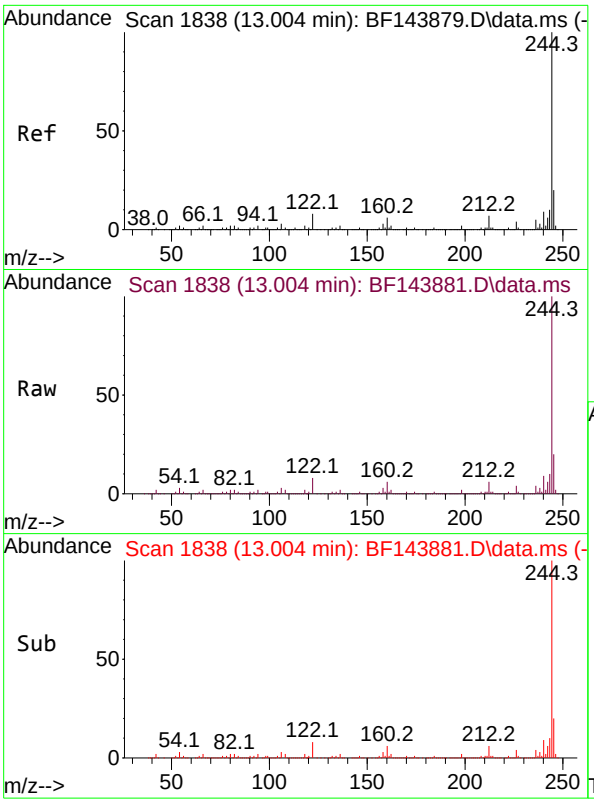


#78
Pyrene
Concen: 56.800 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



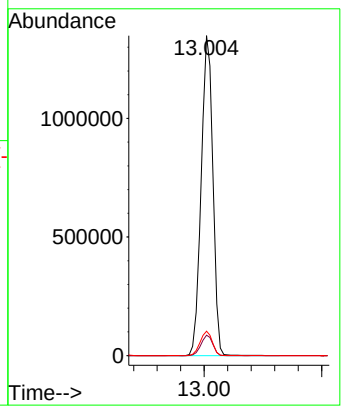


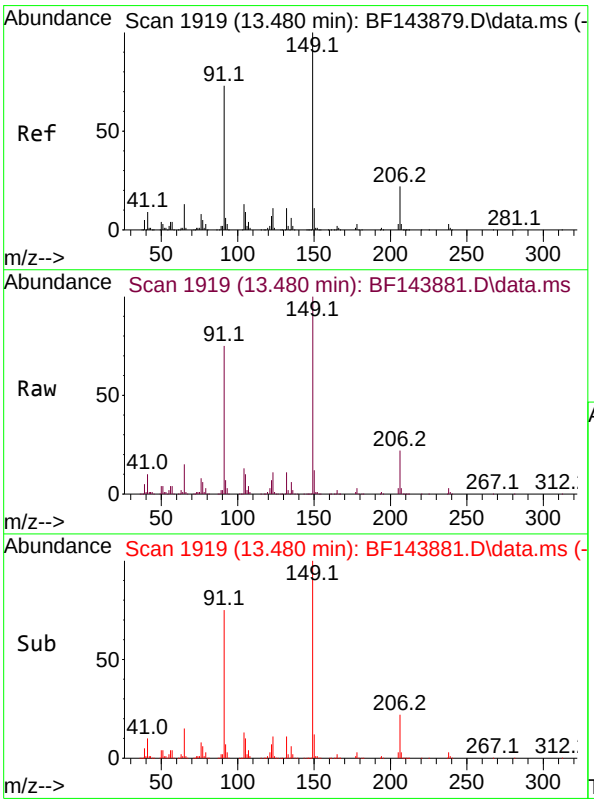
#79
Terphenyl-d14
Concen: 110.799 ng
RT: 13.004 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

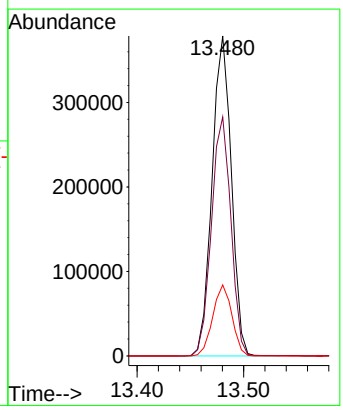


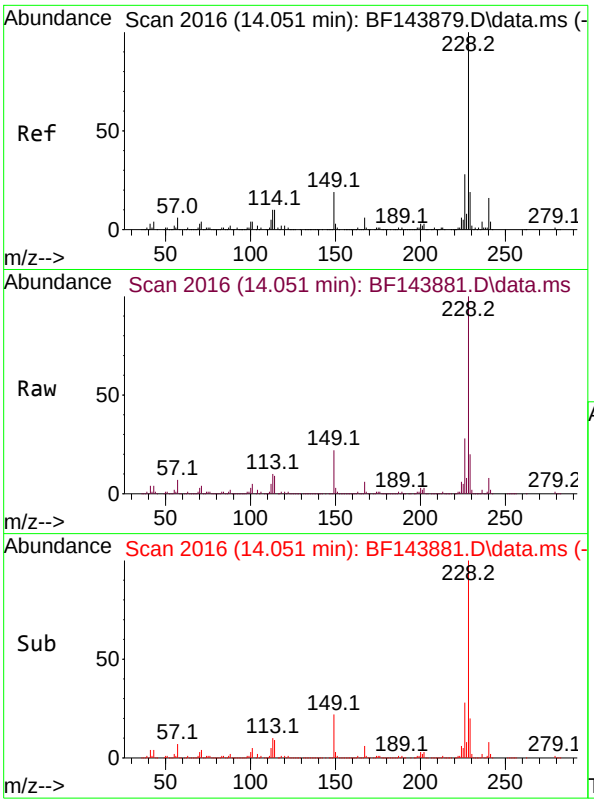


#80
Butylbenzylphthalate
Concen: 61.293 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



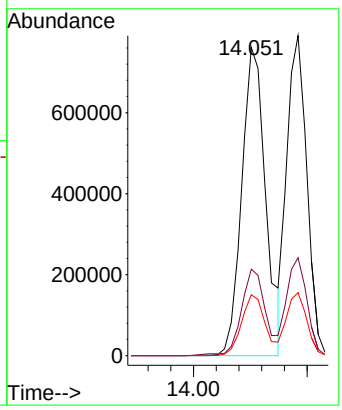


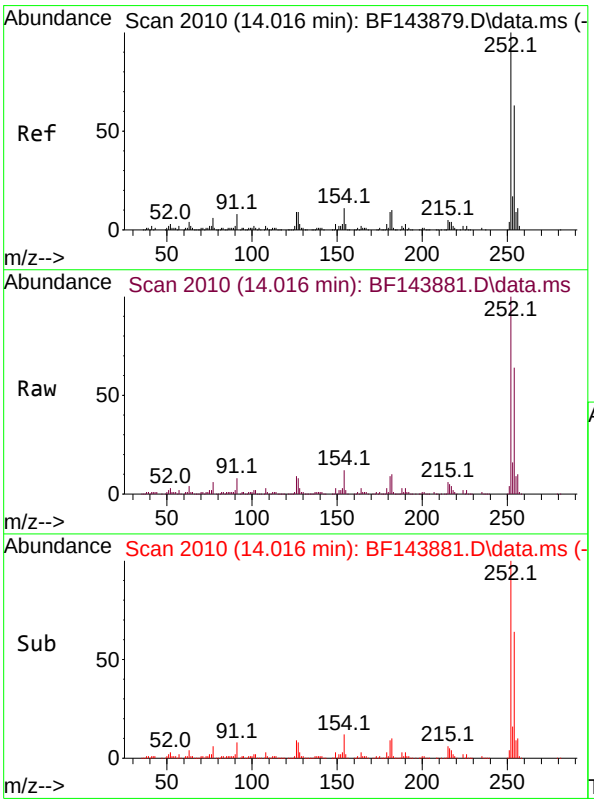
#81
Benzo(a)anthracene
Concen: 59.168 ng
RT: 14.051 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

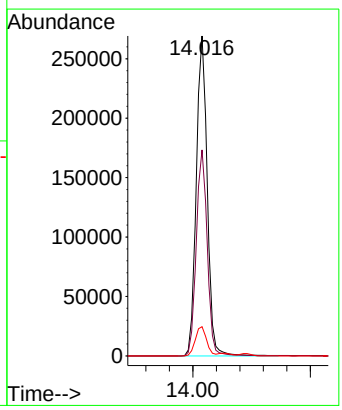


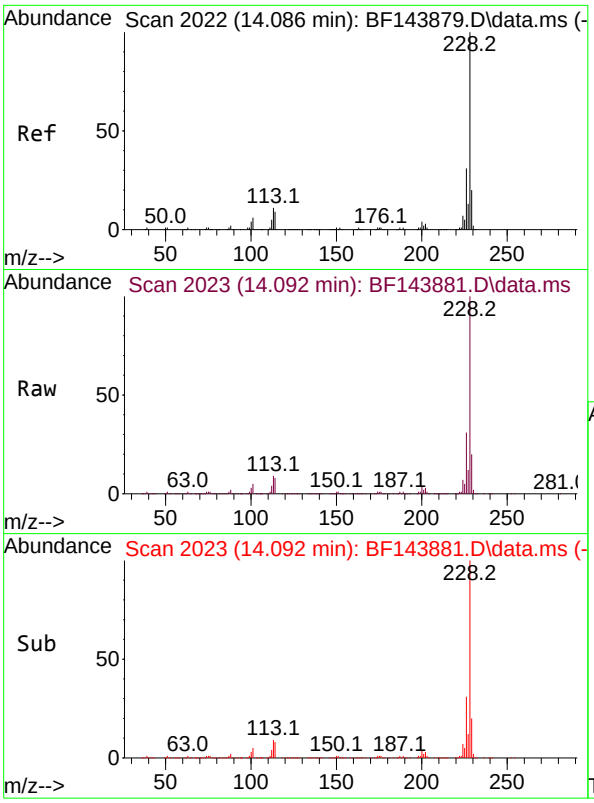


#82
3,3'-Dichlorobenzidine
Concen: 60.756 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



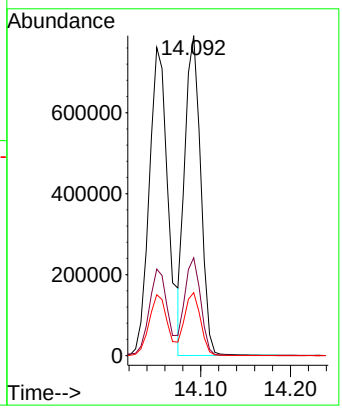


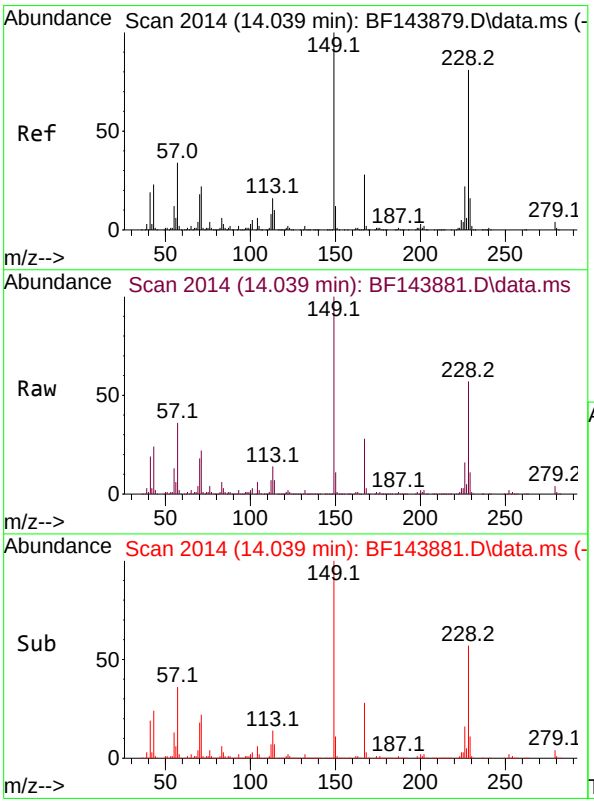
#83
Chrysene
Concen: 55.770 ng
RT: 14.092 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

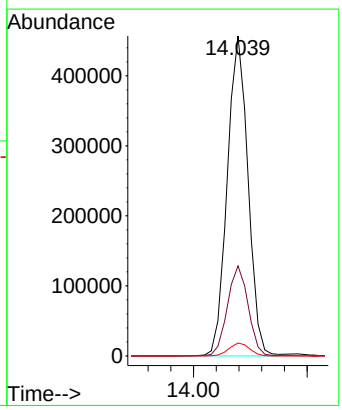


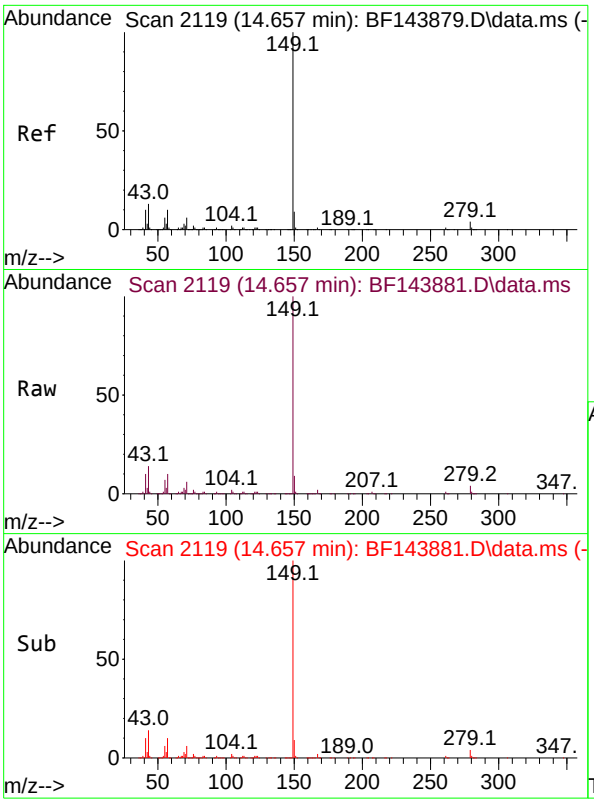


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.804 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



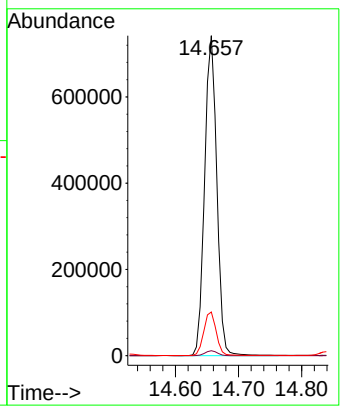


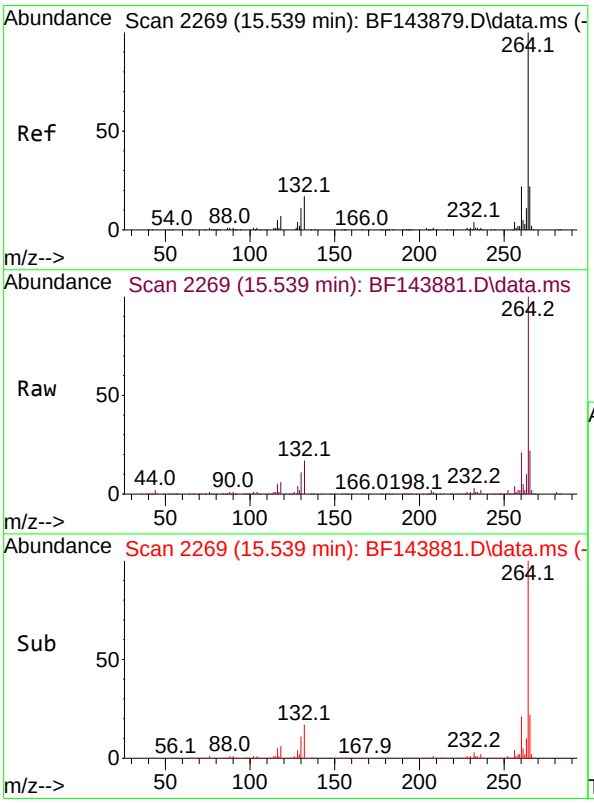
#85
Di-n-octyl phthalate
Concen: 64.431 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

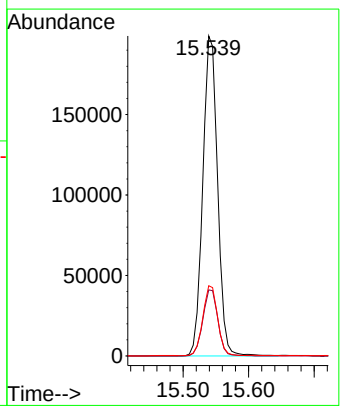


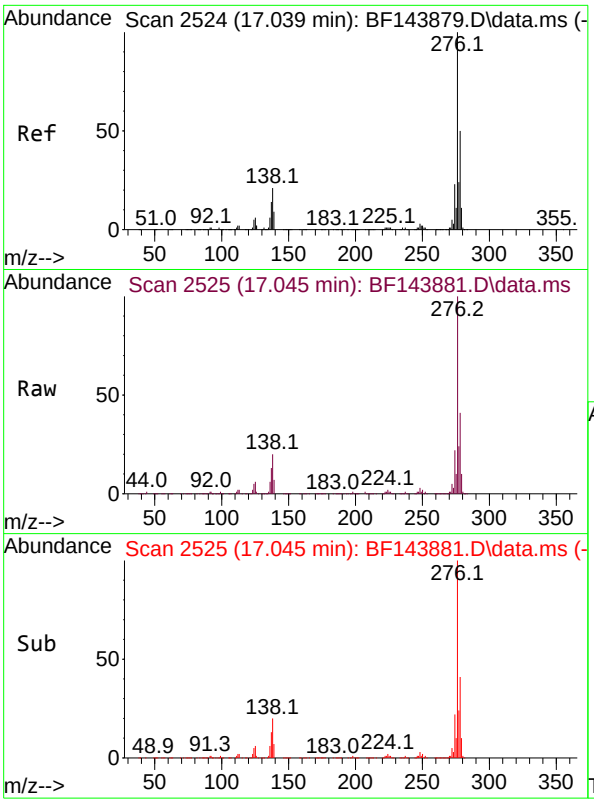


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



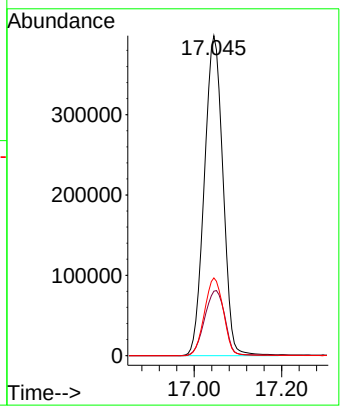


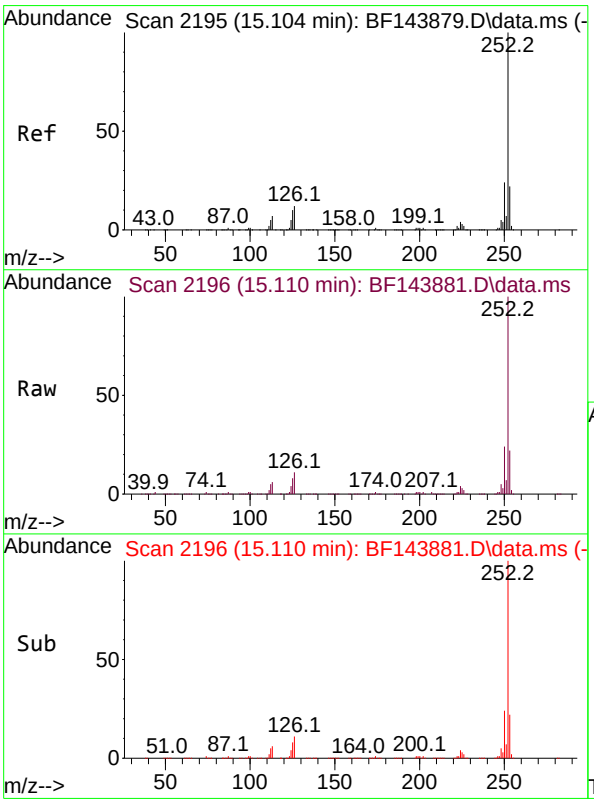
#87
Indeno(1,2,3-cd)pyrene
Concen: 61.815 ng
RT: 17.045 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

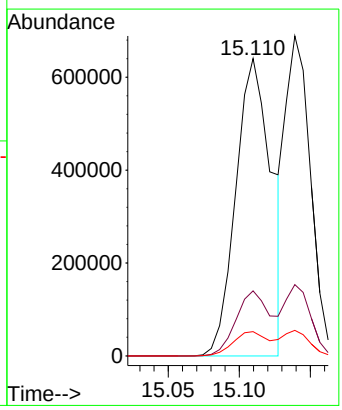


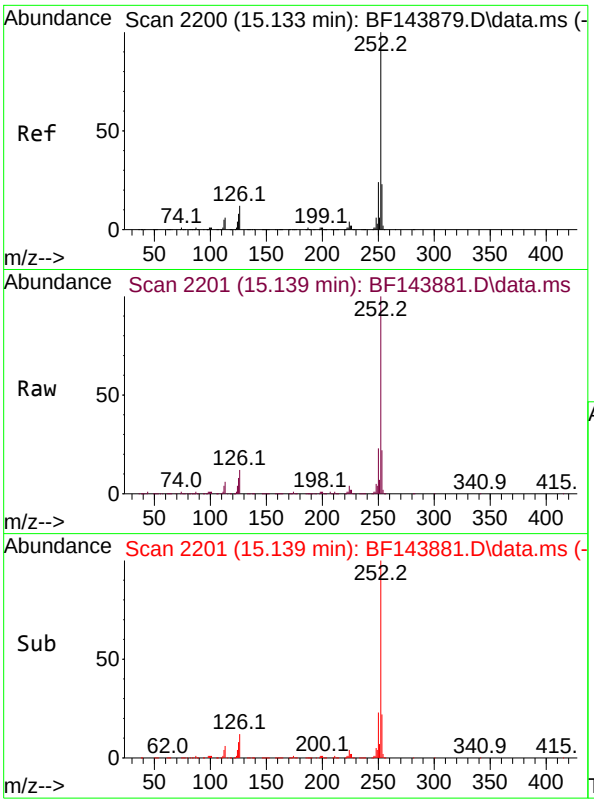


#88
Benzo(b)fluoranthene
Concen: 62.778 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



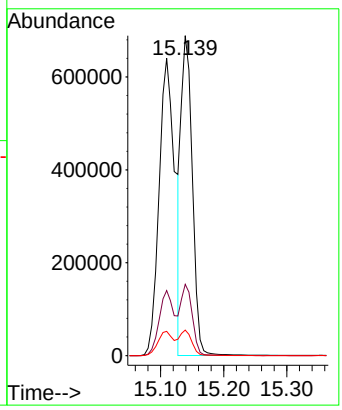


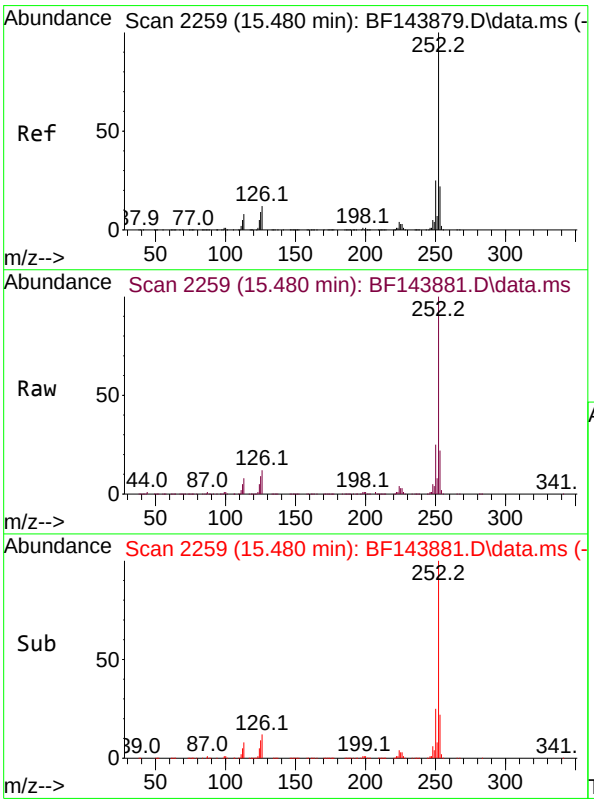
#89
Benzo(k)fluoranthene
Concen: 51.969 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

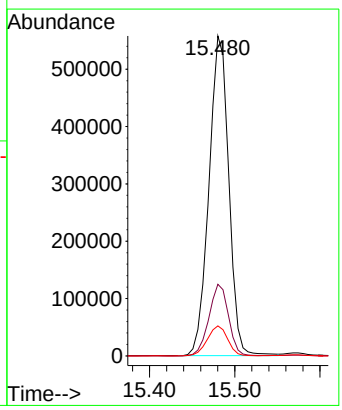


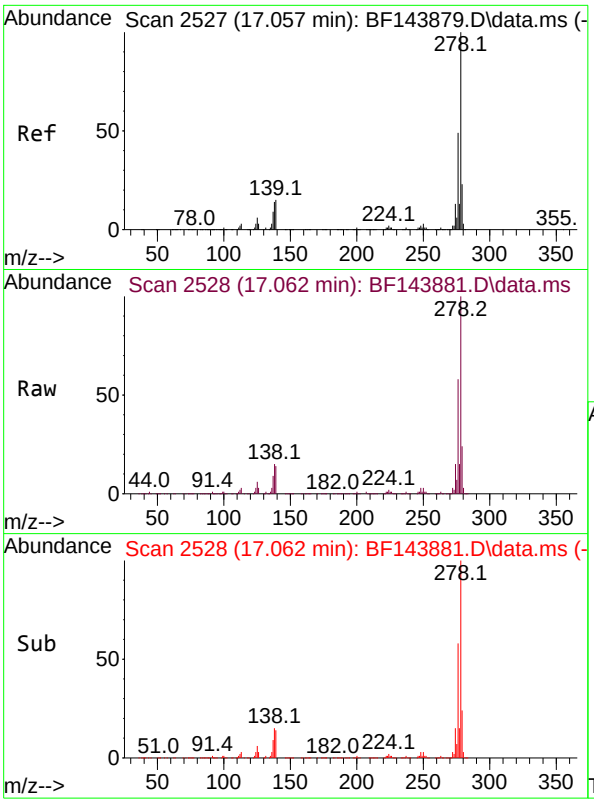


#90
Benzo(a)pyrene
Concen: 58.412 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



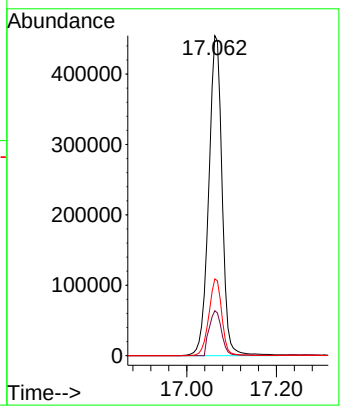


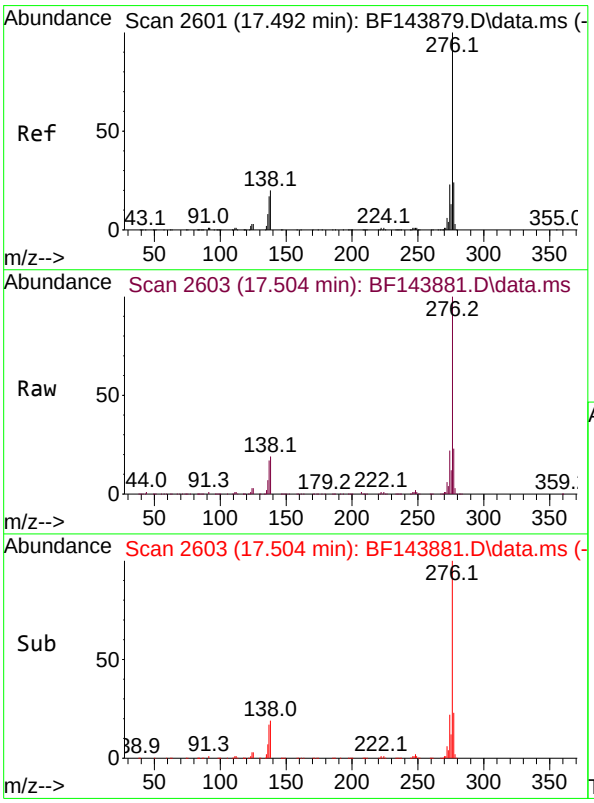
#91
Dibenzo(a,h)anthracene
Concen: 61.291 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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

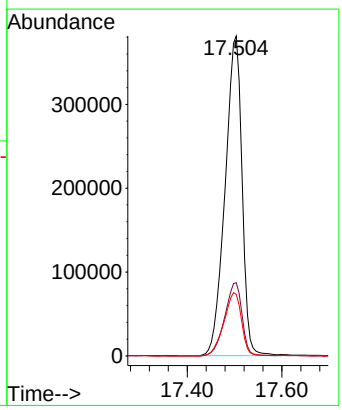




#92
Benzo(g,h,i)perylene
Concen: 61.976 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143881.D
Acq: 06 Oct 2025 13:53

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



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

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

ICAL Form

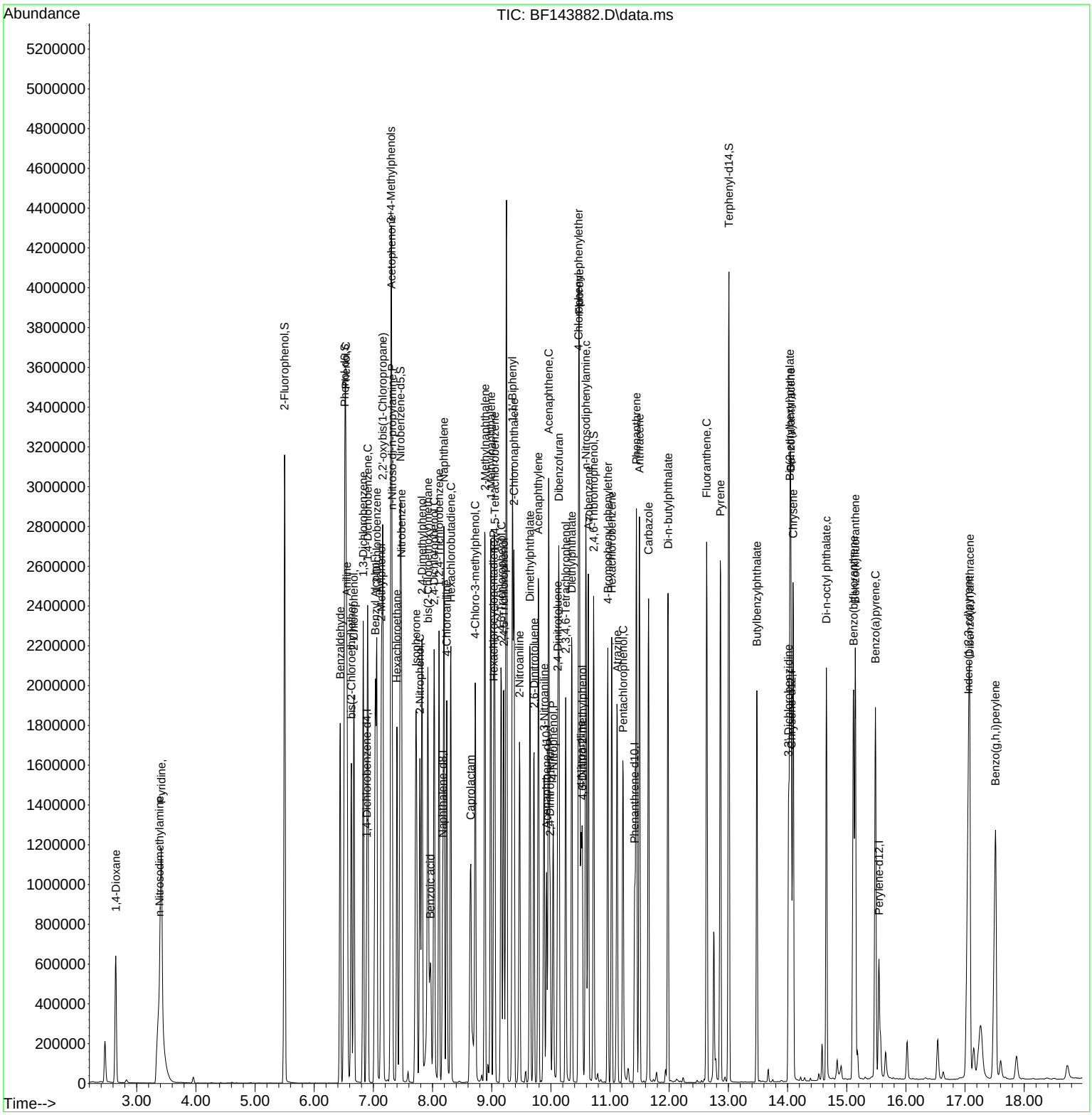
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143882.D
Acq On : 06 Oct 2025 14:22
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

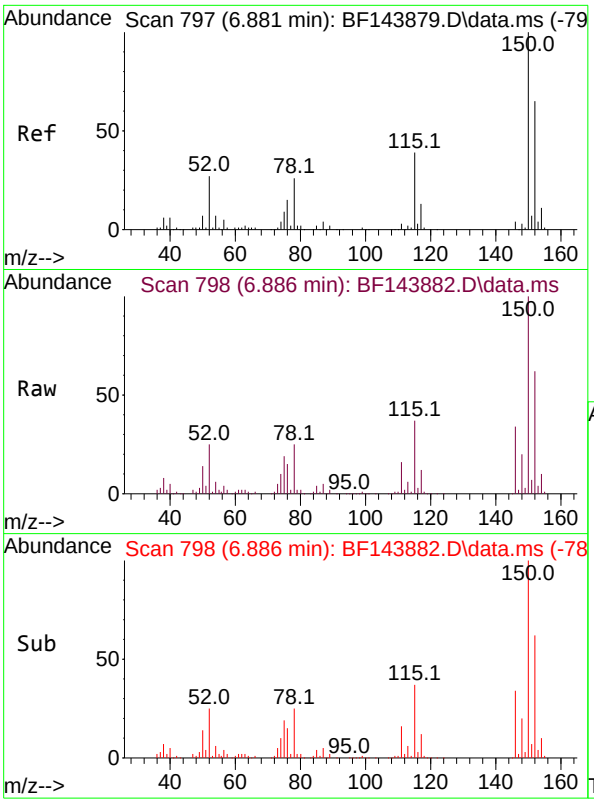
Quant Time: Oct 06 15:39:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

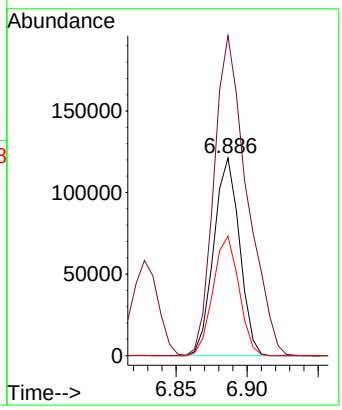




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 79
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:152 Resp: 153550

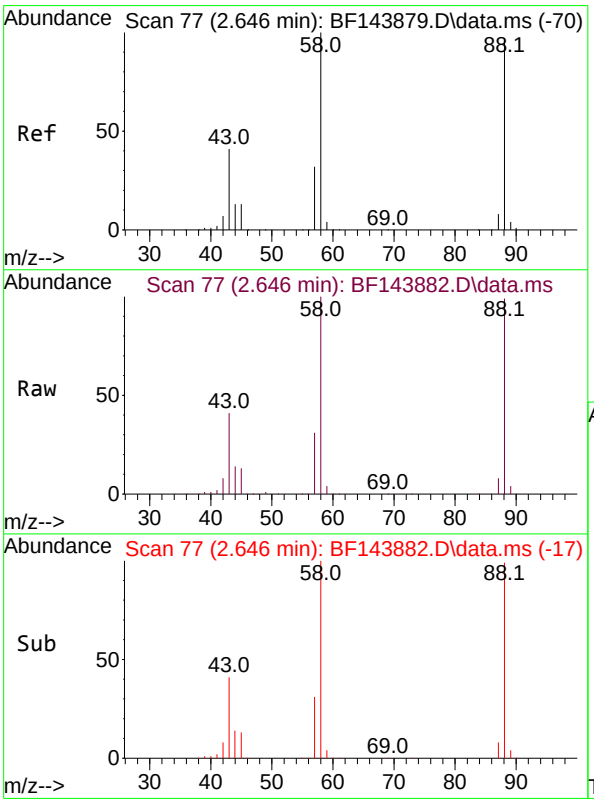
Ion	Ratio	Lower	Upper
152	100		
150	162.0	124.4	186.6
115	60.3	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

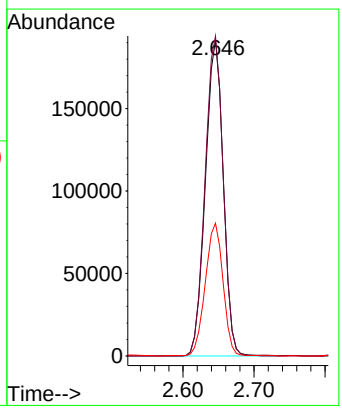
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

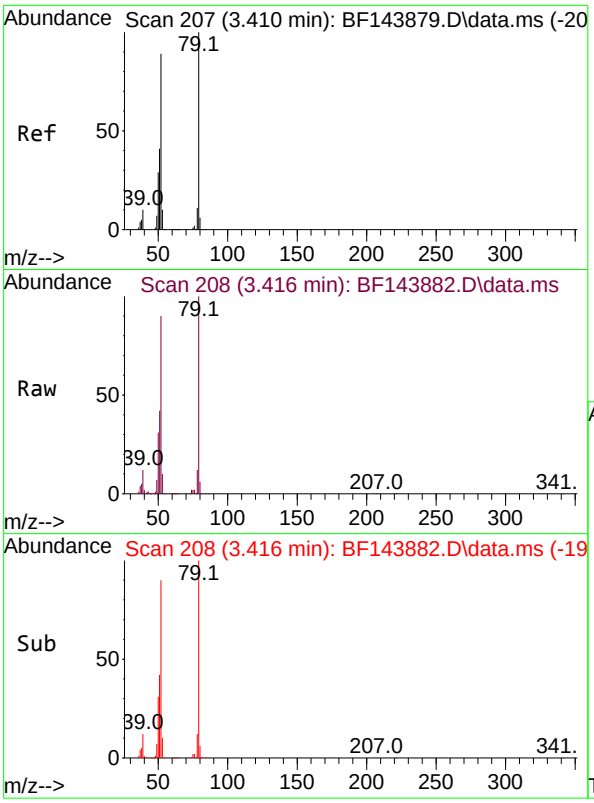


#2
1,4-Dioxane
Concen: 74.672 ng
RT: 2.646 min Scan# 77
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

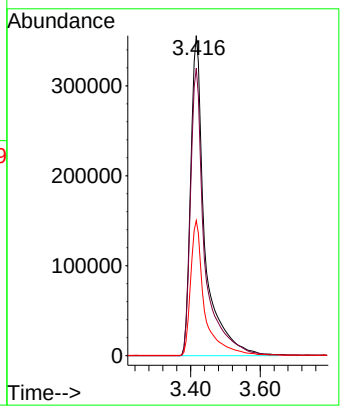




#3
Pyridine
Concen: 77.503 ng
RT: 3.416 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 79 Resp: 100955

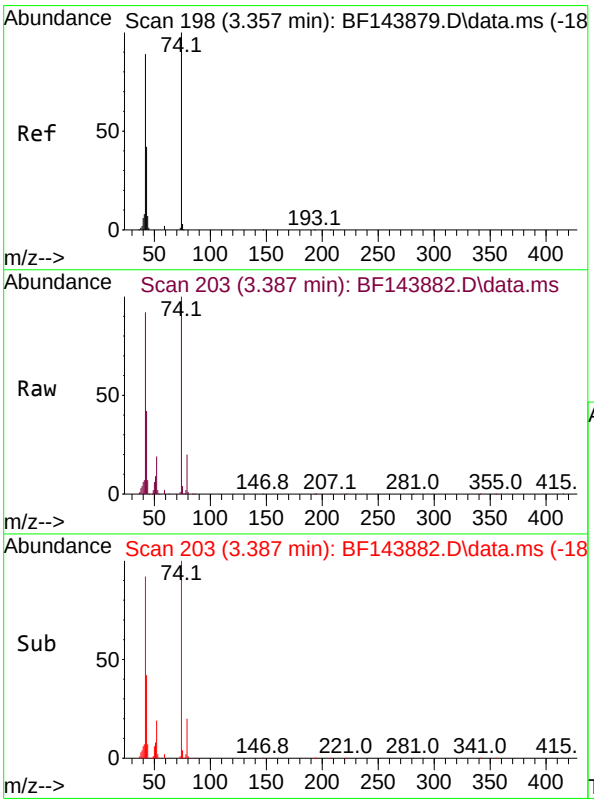
Ion	Ratio	Lower	Upper
79	100		
52	89.8	71.5	107.3
51	42.2	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

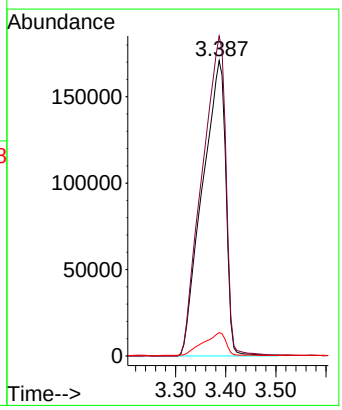
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

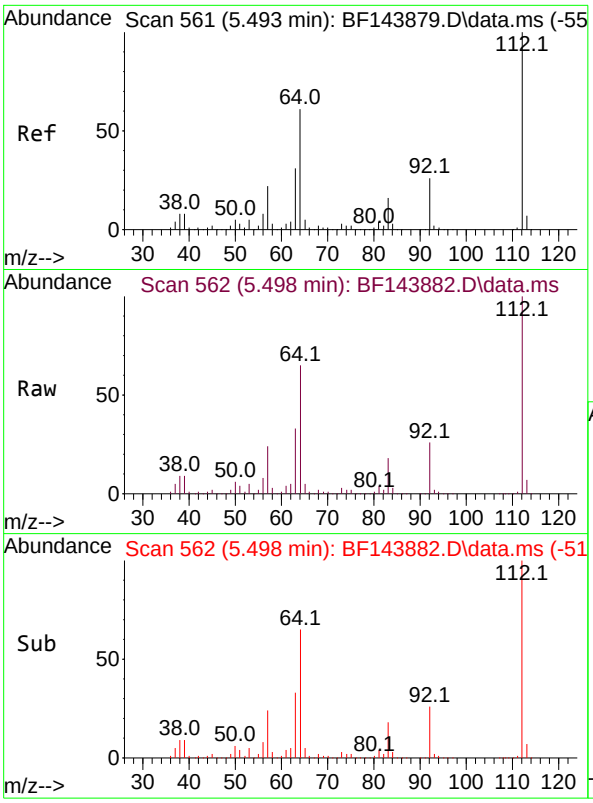


#4
n-Nitrosodimethylamine
Concen: 80.653 ng
RT: 3.387 min Scan# 203
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

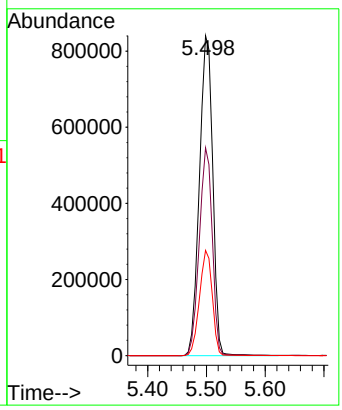




#5
2-Fluorophenol
Concen: 137.113 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:112 Resp: 132580

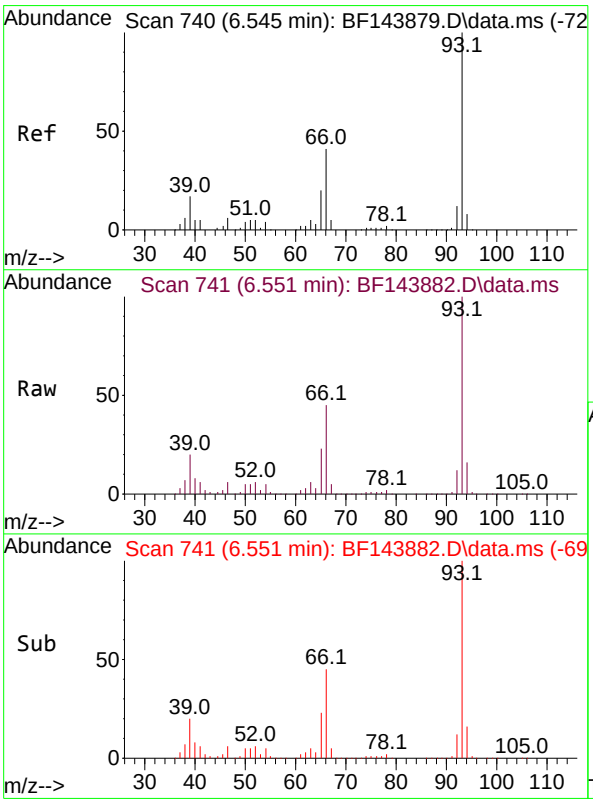
Ion	Ratio	Lower	Upper
112	100		
64	64.9	49.1	73.7
63	32.9	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

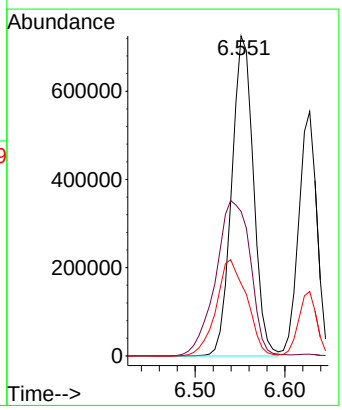
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

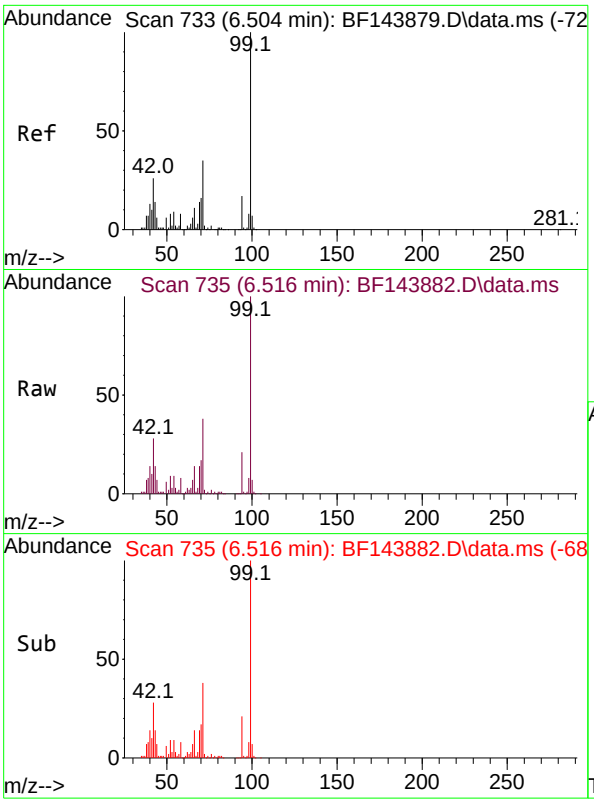


#6
Aniline
Concen: 71.012 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

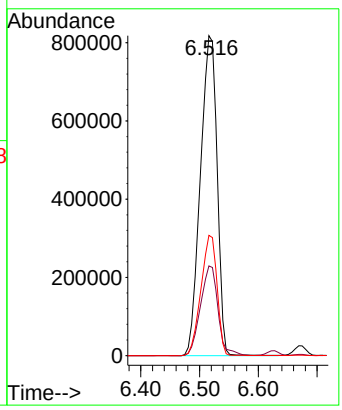




#7
Phenol-d6
Concen: 140.374 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 99 Resp: 161789

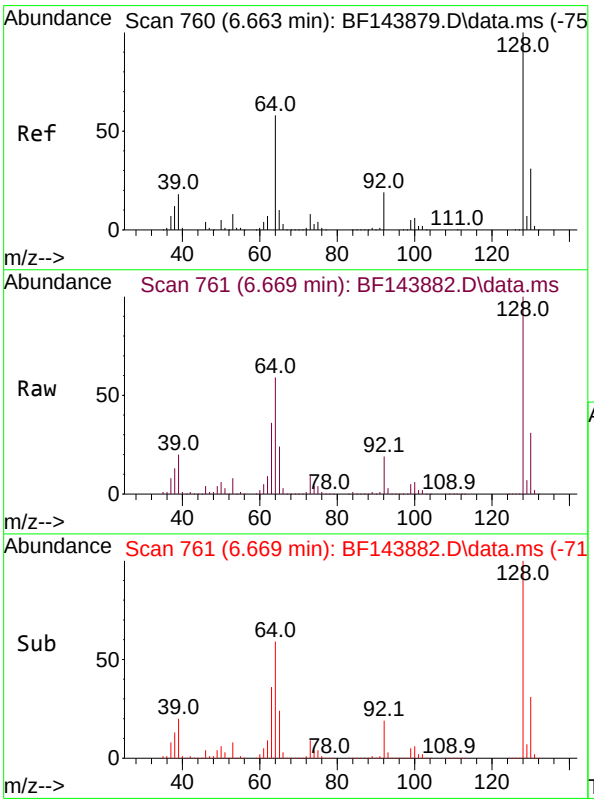
Ion	Ratio	Lower	Upper
99	100		
42	28.0	21.0	31.4
71	37.6	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

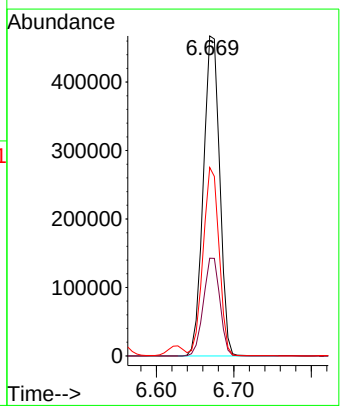
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

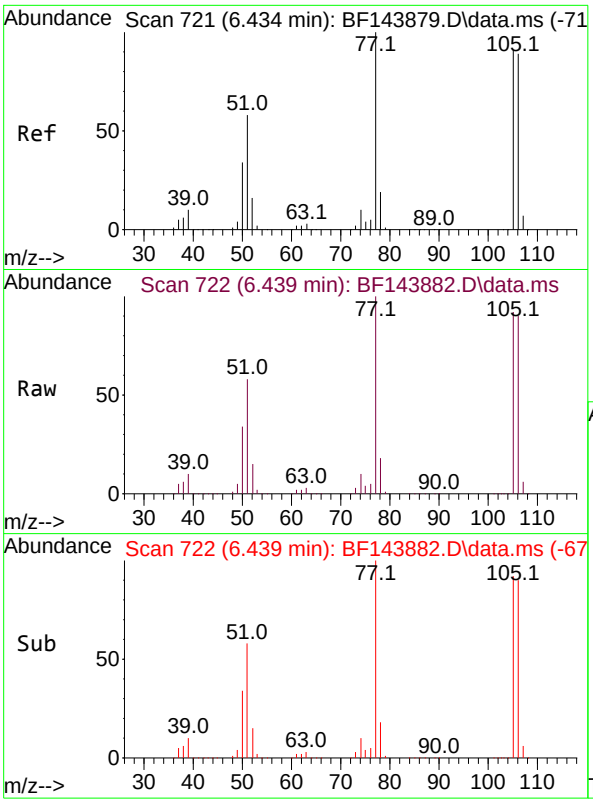


#8
2-Chlorophenol
Concen: 72.356 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

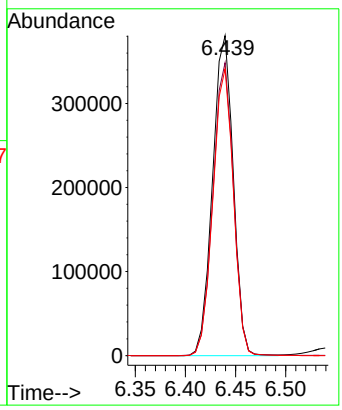




#9
Benzaldehyde
Concen: 61.507 ng
RT: 6.439 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 54684

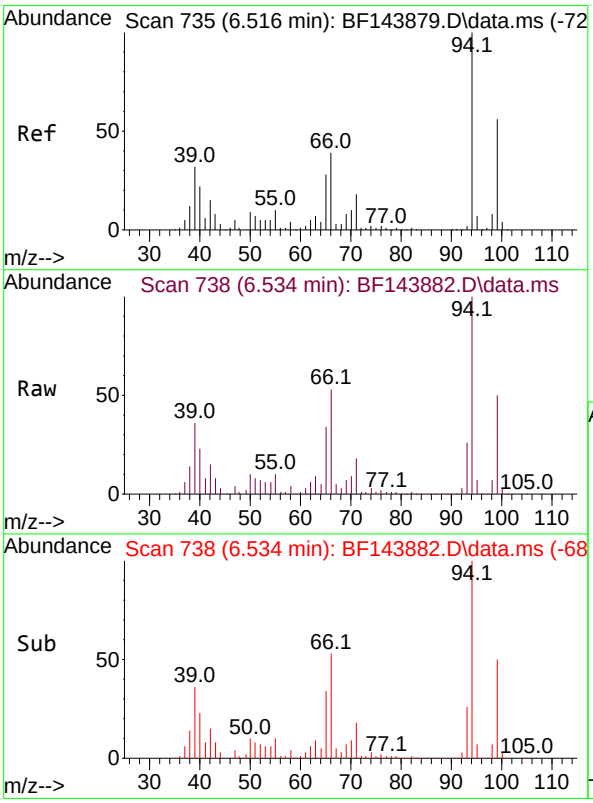
Ion	Ratio	Lower	Upper
77	100		
105	91.5	70.9	110.9
106	89.6	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

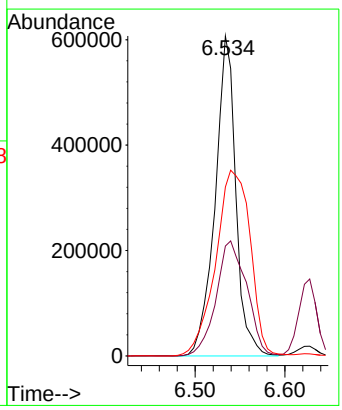
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

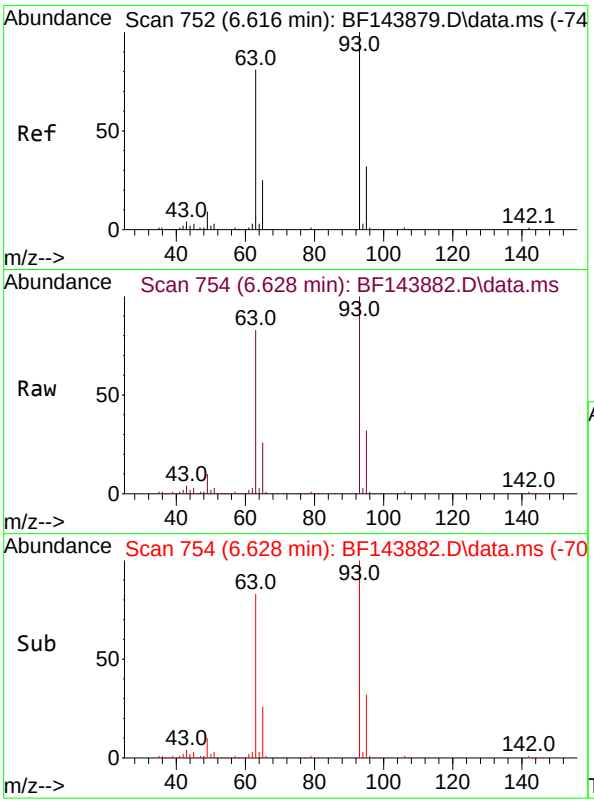


#10
Phenol
Concen: 70.844 ng
RT: 6.534 min Scan# 738
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

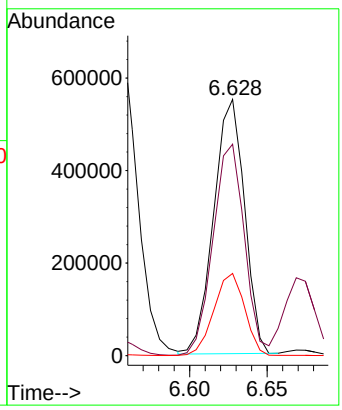




#11
bis(2-Chloroethyl)ether
Concen: 71.438 ng
RT: 6.628 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 93 Resp: 76038

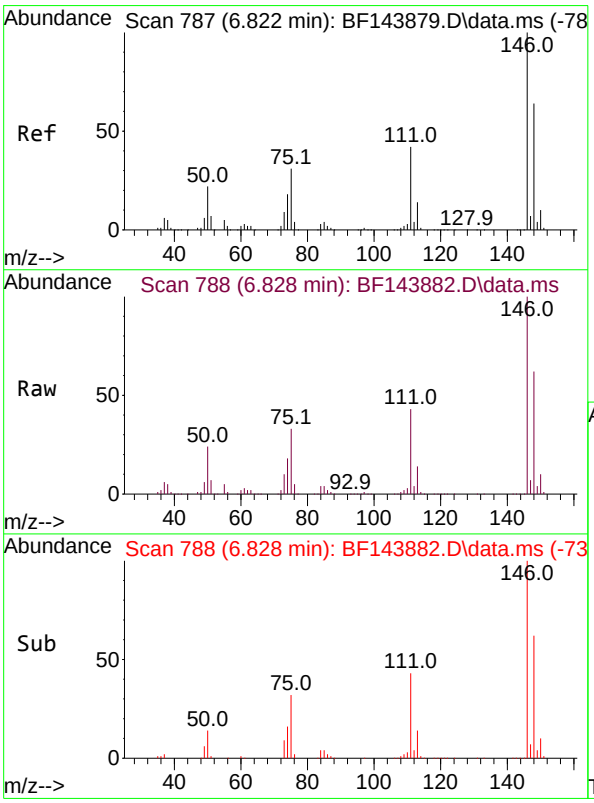
Ion	Ratio	Lower	Upper
93	100		
63	82.5	60.9	100.9
95	32.0	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

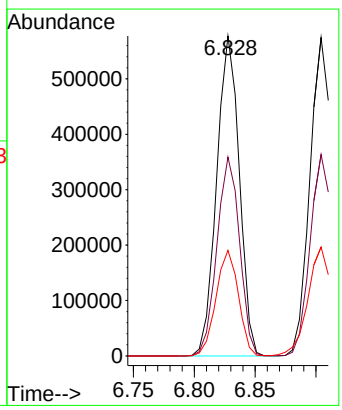
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

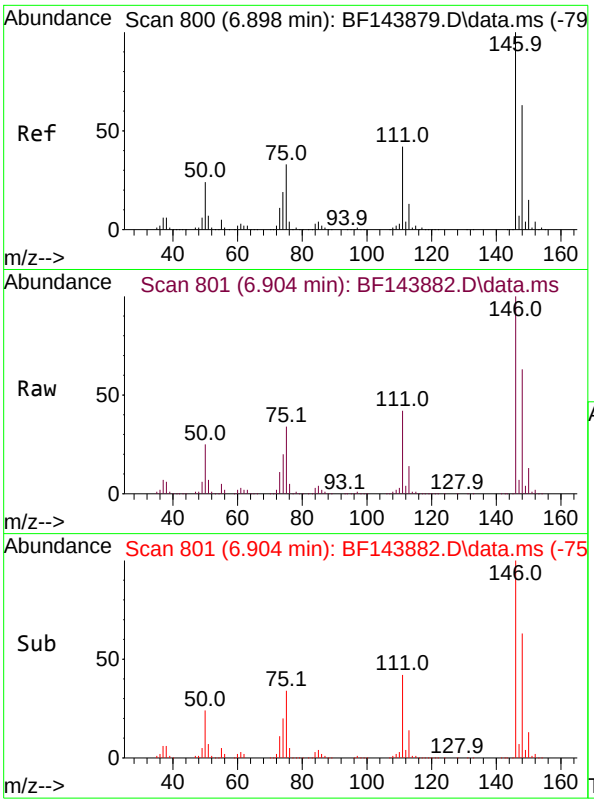


#12
1,3-Dichlorobenzene
Concen: 65.969 ng
RT: 6.828 min Scan# 788
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

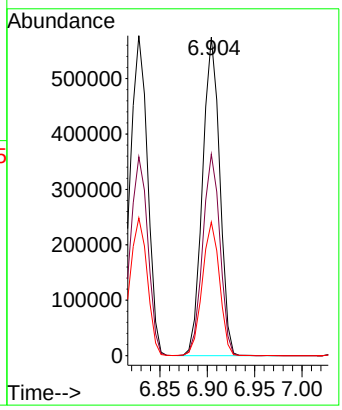




#13
1,4-Dichlorobenzene
Concen: 65.228 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:146 Resp: 72797

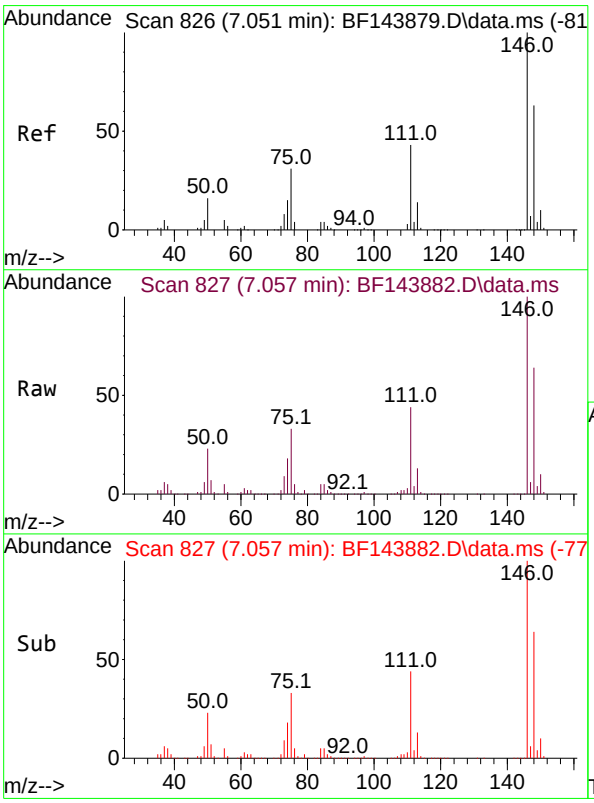
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.5	75.7
111	42.0	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

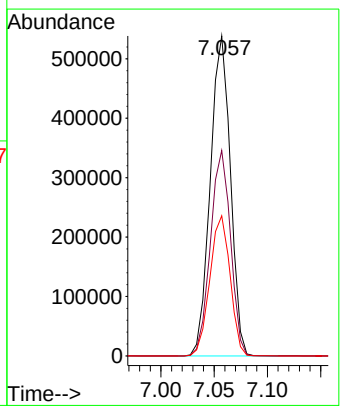
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

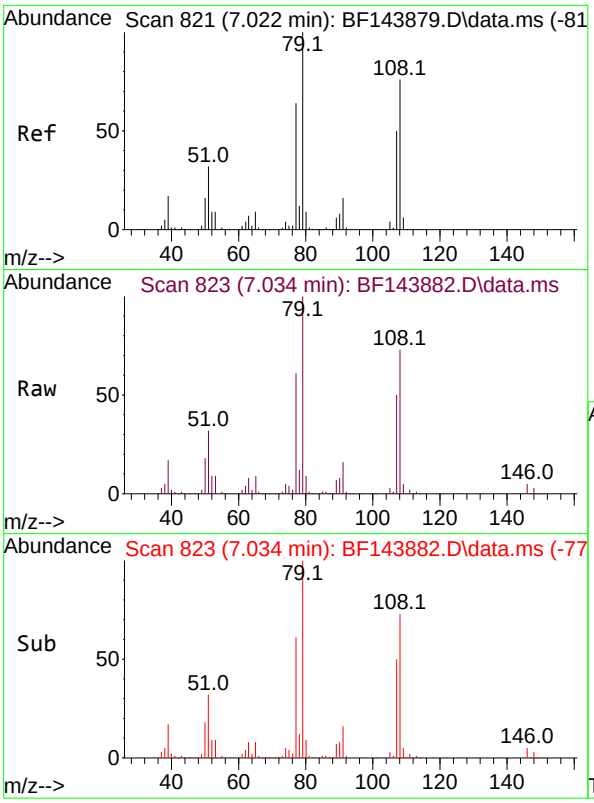


#14
1,2-Dichlorobenzene
Concen: 66.244 ng
RT: 7.057 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

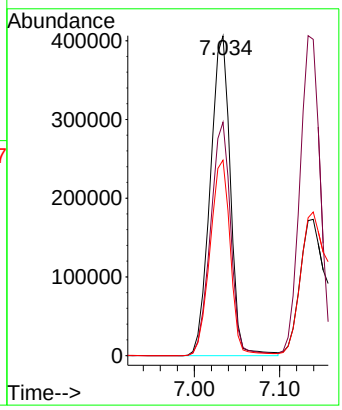
Tgt Ion: 79 Resp: 66430

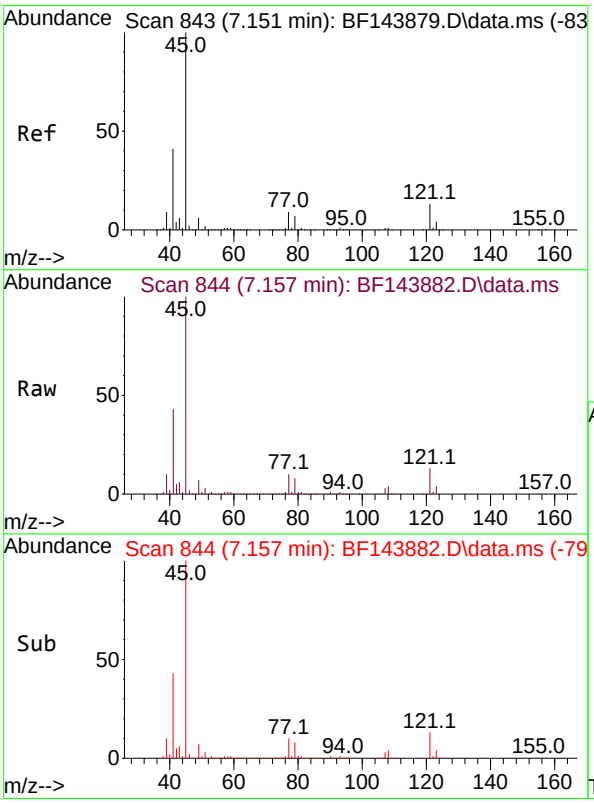
Ion	Ratio	Lower	Upper
79	100		
108	73.0	60.8	91.2
77	61.1	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

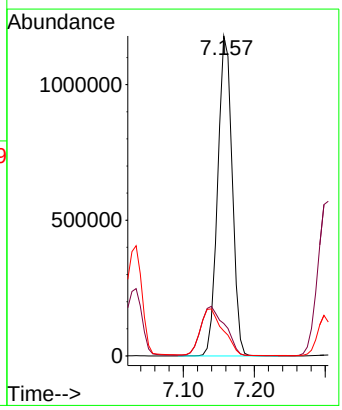


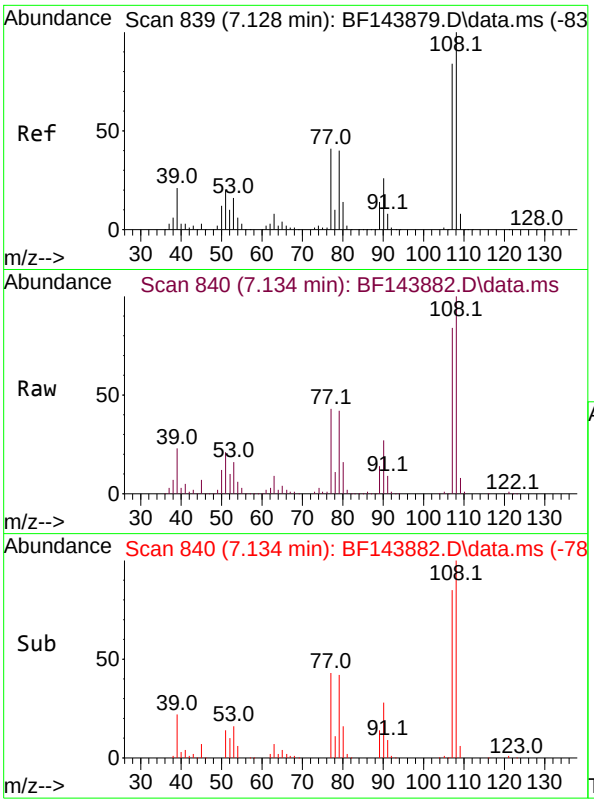


#16
2,2'-oxybis(1-Chloropropane)
Concen: 68.951 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

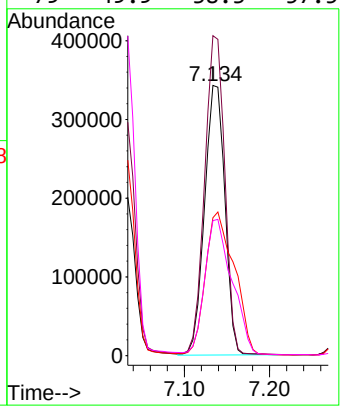




#17
2-Methylphenol
Concen: 72.921 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:107 Resp: 569618

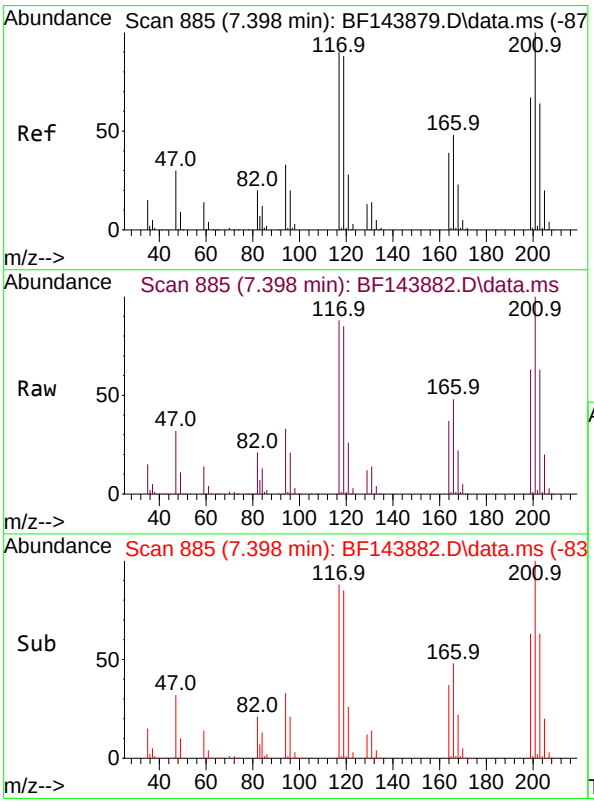
Ion	Ratio	Lower	Upper
107	100		
108	118.5	94.7	142.1
77	51.0	38.8	58.2
79	49.9	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

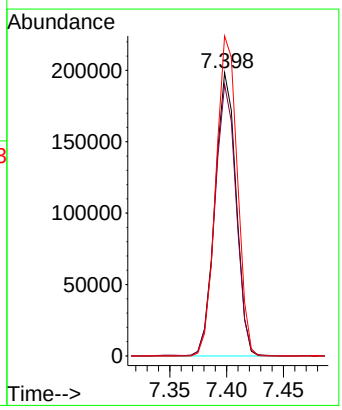
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

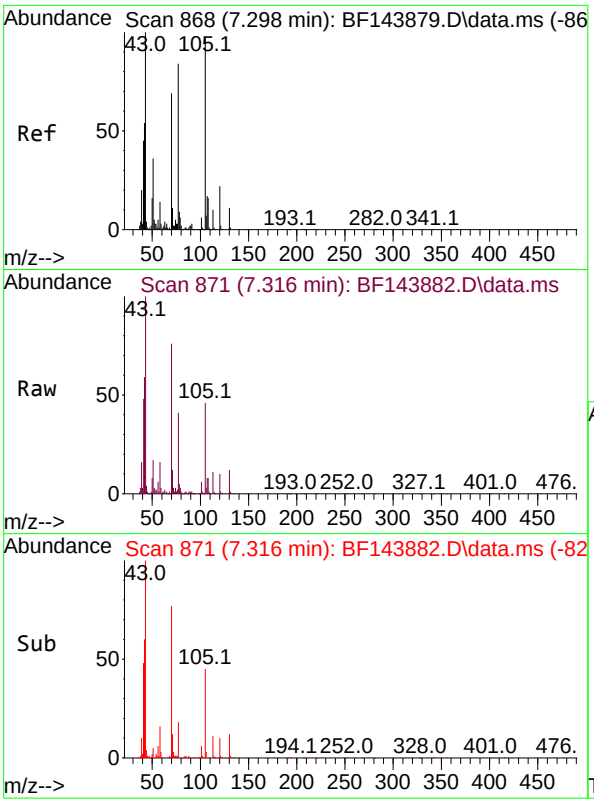


#18
Hexachloroethane
Concen: 68.827 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

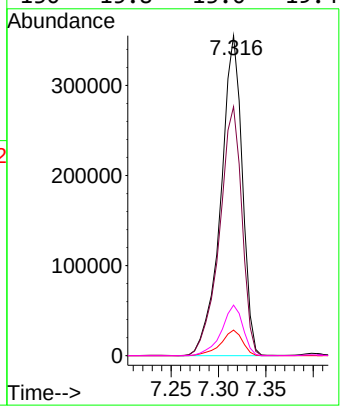




#19
n-Nitroso-di-n-propylamine
Concen: 70.978 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

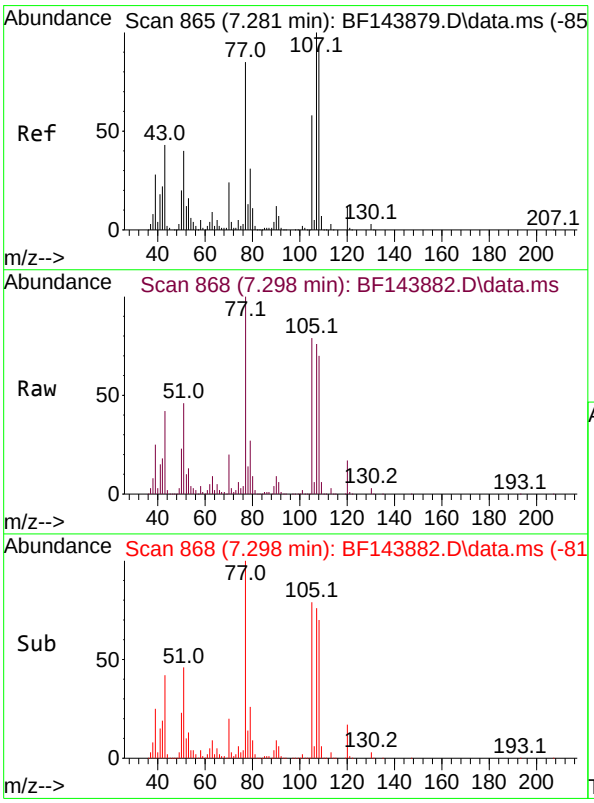
Tgt Ion: 70 Resp: 55996

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

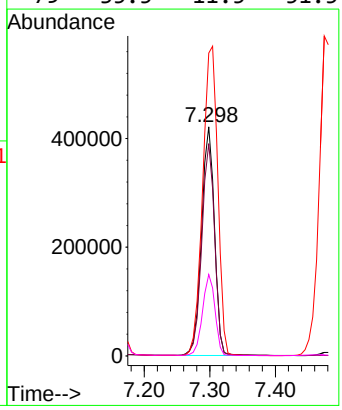
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

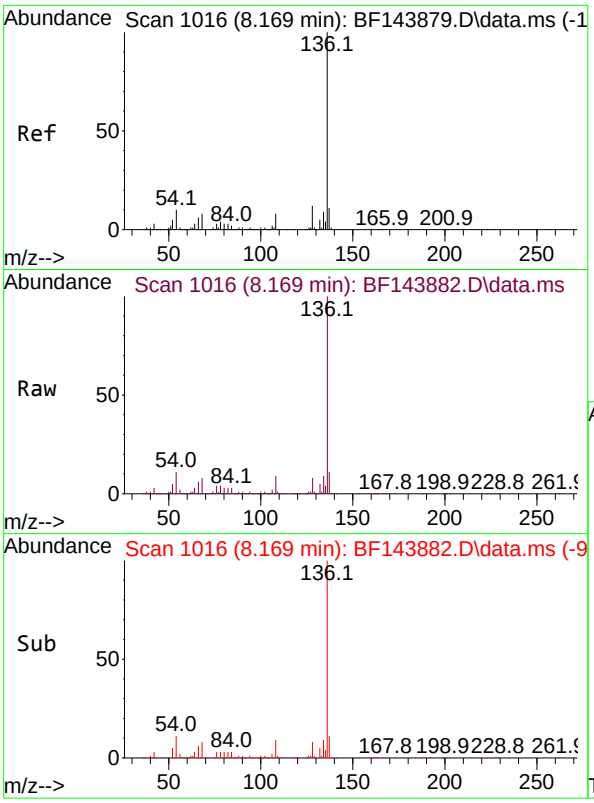


#20
3+4-Methylphenols
Concen: 63.295 ng
RT: 7.298 min Scan# 868
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

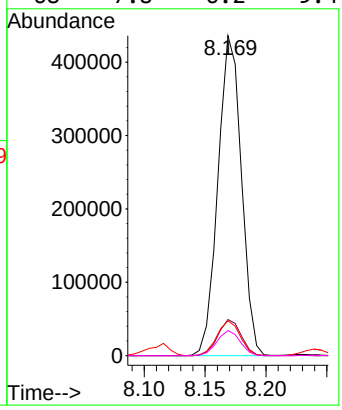




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:136 Resp: 58456

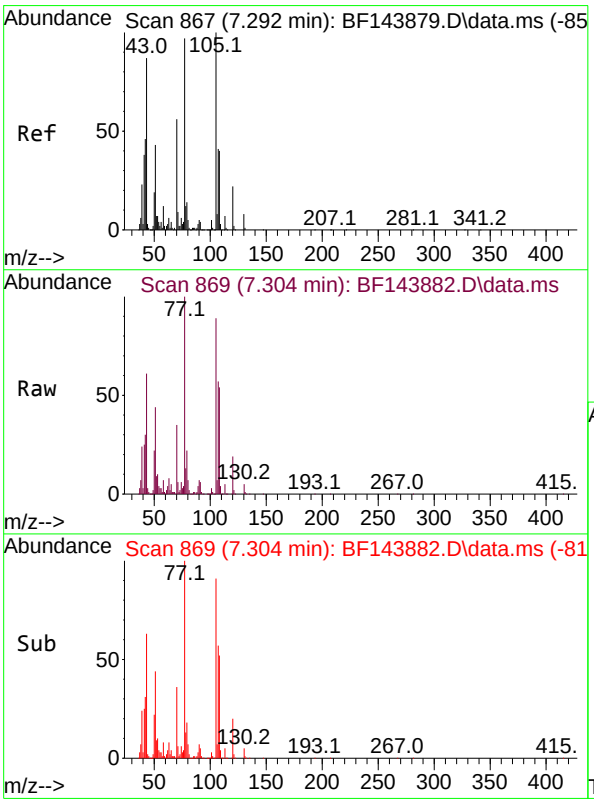
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	10.9	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

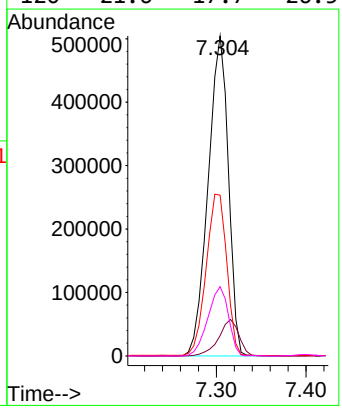
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

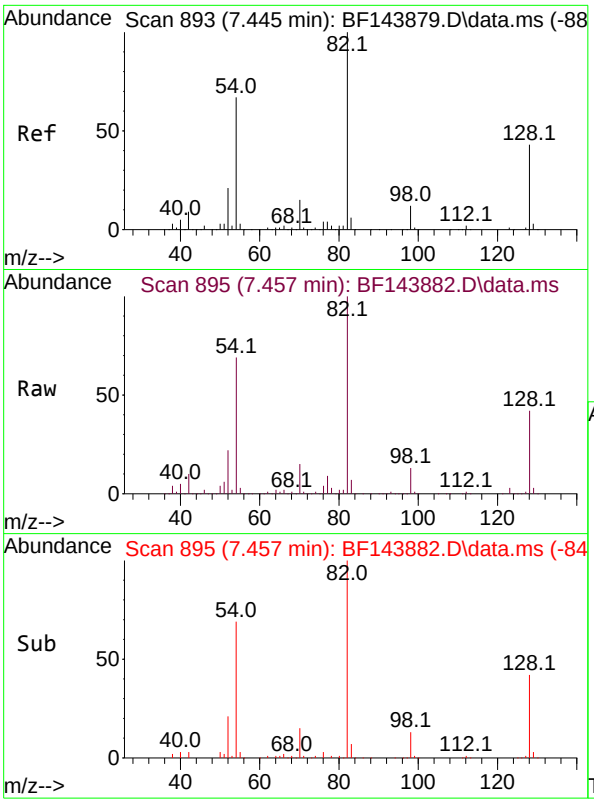


#22
Acetophenone
Concen: 64.345 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

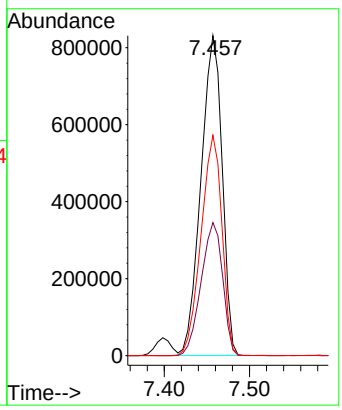




#23
Nitrobenzene-d5
Concen: 149.259 ng
RT: 7.457 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 82 Resp: 143612

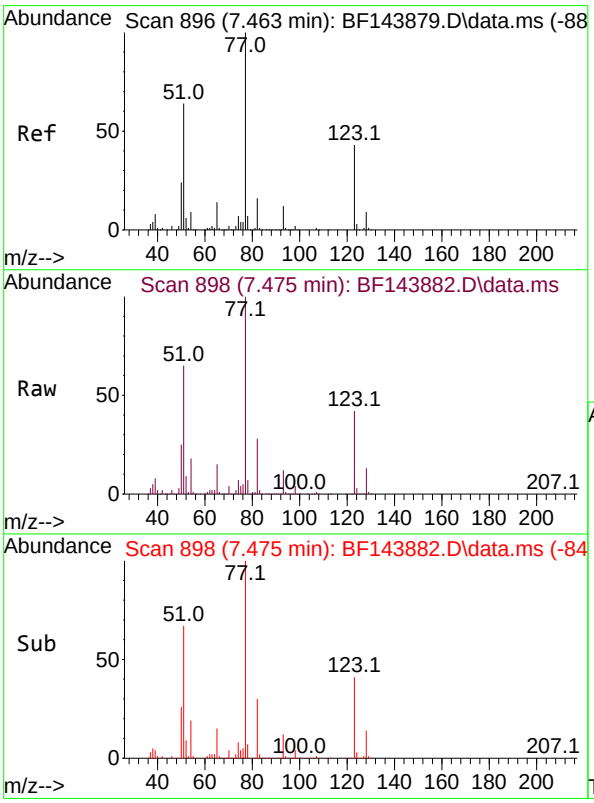
Ion	Ratio	Lower	Upper
82	100		
128	41.6	34.0	51.0
54	68.8	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

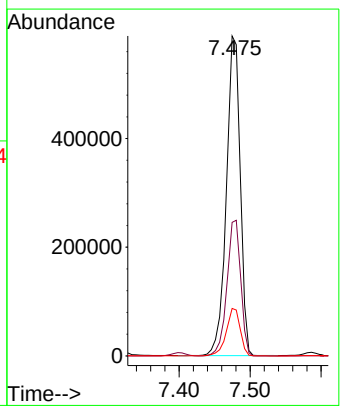
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

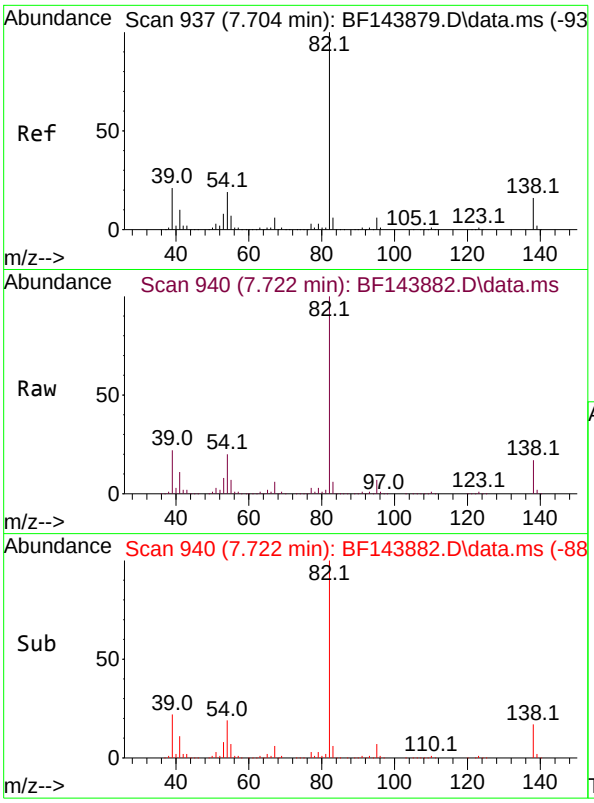


#24
Nitrobenzene
Concen: 74.900 ng
RT: 7.475 min Scan# 898
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

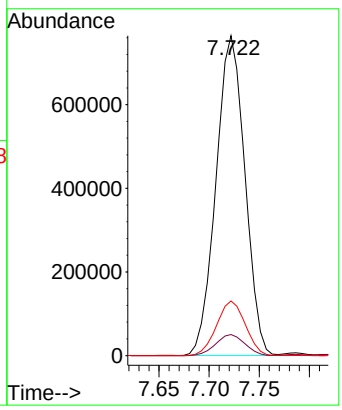




#25
Isophorone
Concen: 75.651 ng
RT: 7.722 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 82 Resp: 153478

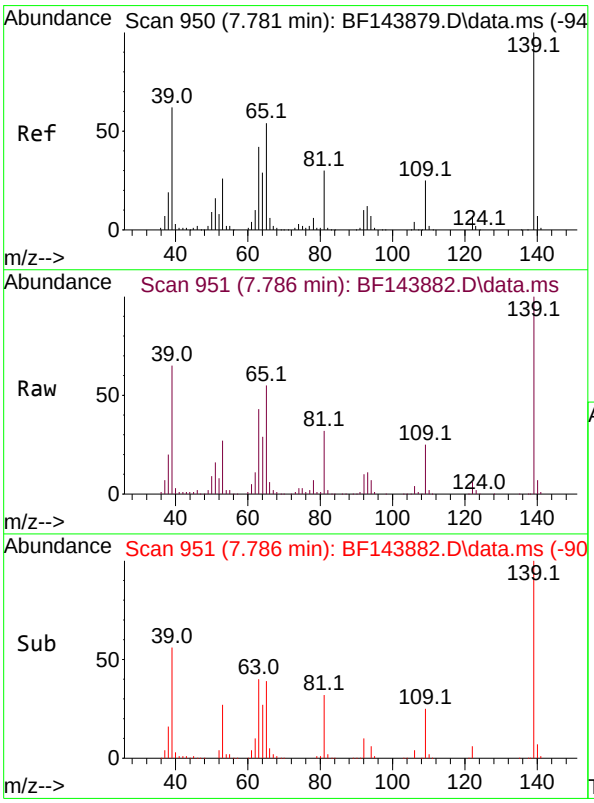
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.1	7.7
138	17.1	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

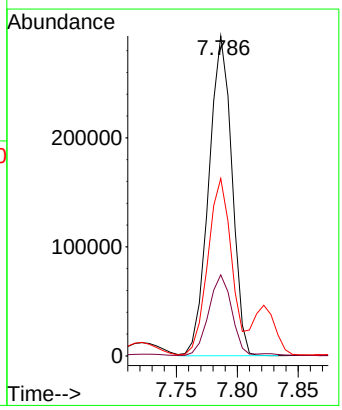
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

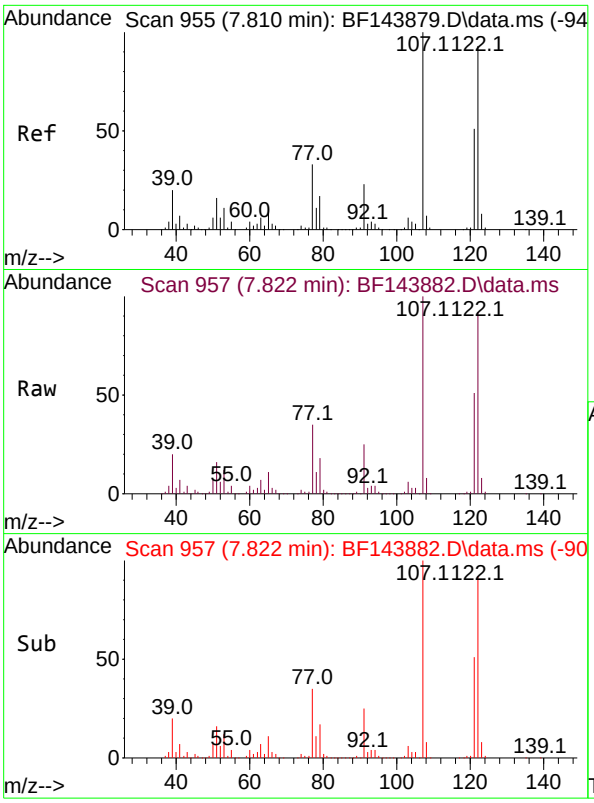


#26
2-Nitrophenol
Concen: 84.948 ng
RT: 7.786 min Scan# 951
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

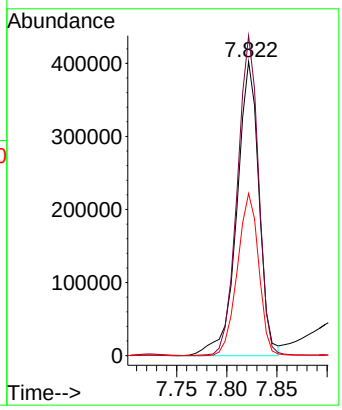




#27
2,4-Dimethylphenol
Concen: 74.828 ng
RT: 7.822 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:122 Resp: 61662

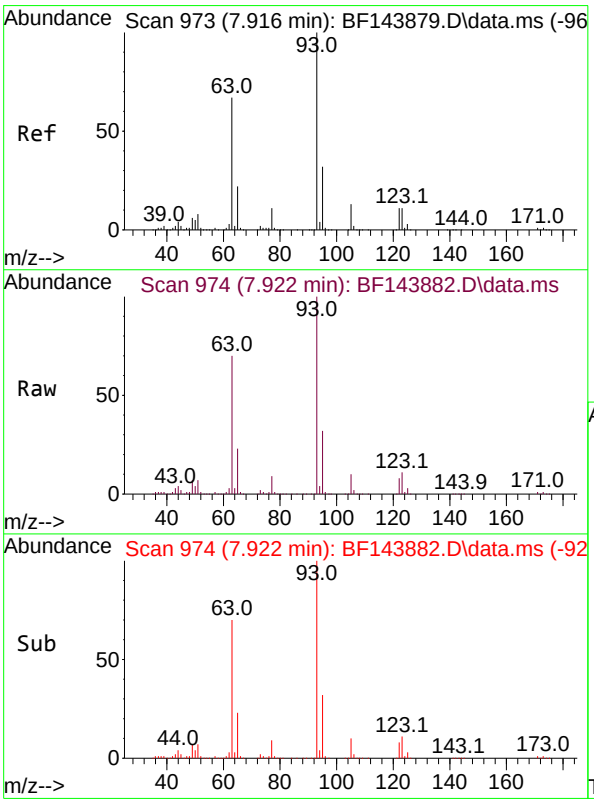
Ion	Ratio	Lower	Upper
122	100		
107	108.9	86.1	129.1
121	55.2	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

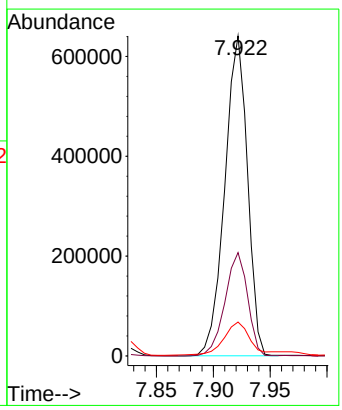
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

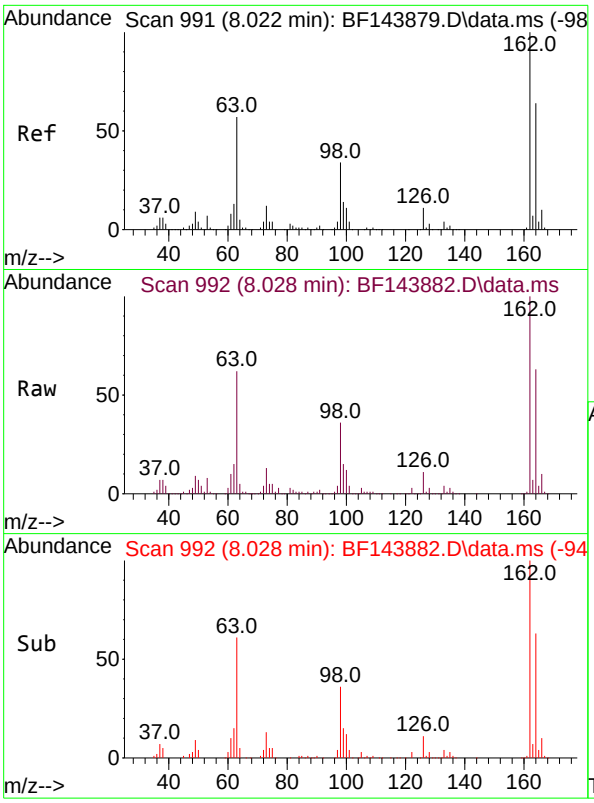


#28
bis(2-Chloroethoxy)methane
Concen: 69.328 ng
RT: 7.922 min Scan# 974
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

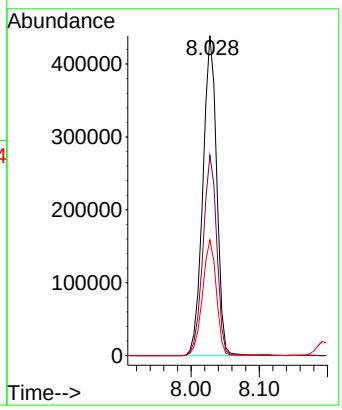
Tgt Ion:162 Resp: 62075

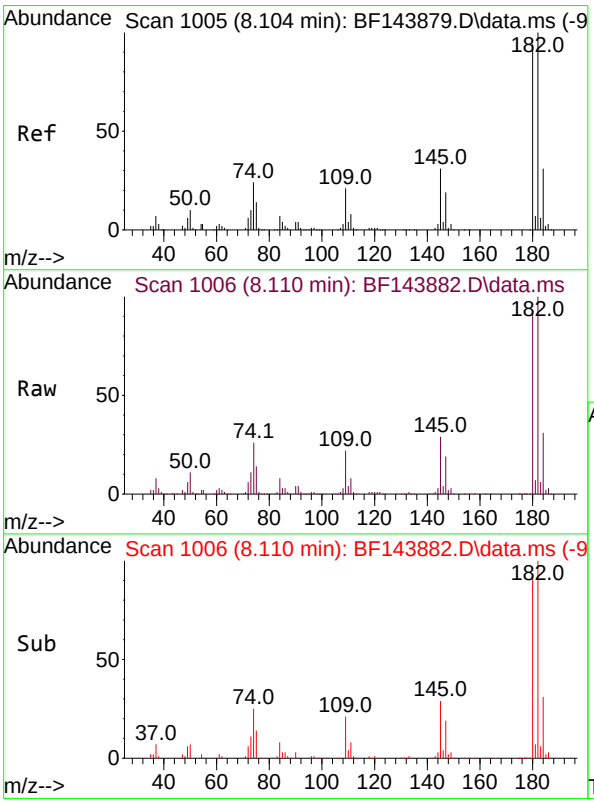
Ion	Ratio	Lower	Upper
162	100		
164	62.6	43.9	83.9
98	36.2	14.4	54.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

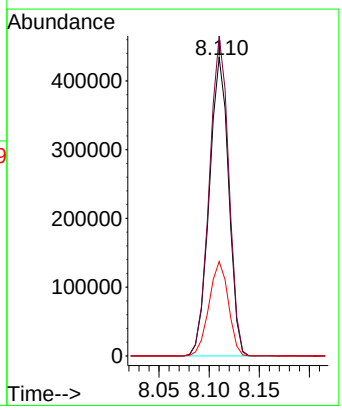


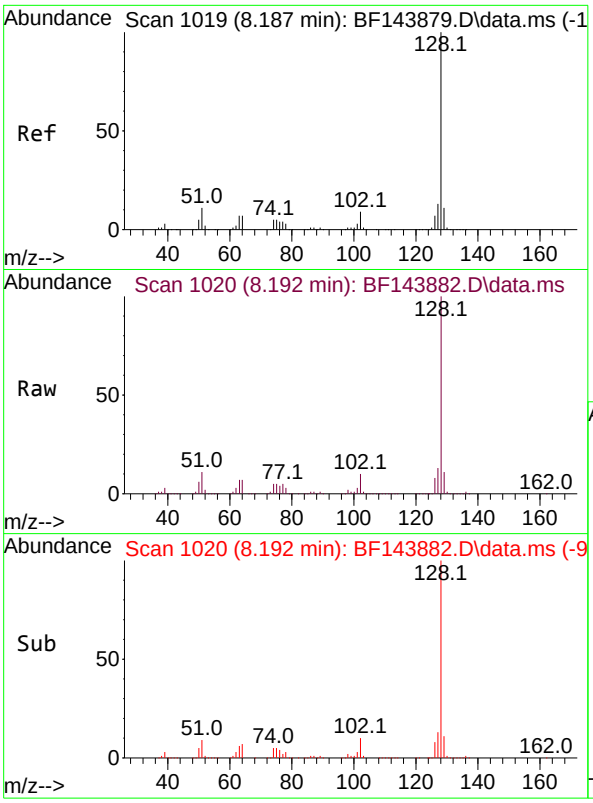


#30
1,2,4-Trichlorobenzene
Concen: 69.063 ng
RT: 8.110 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

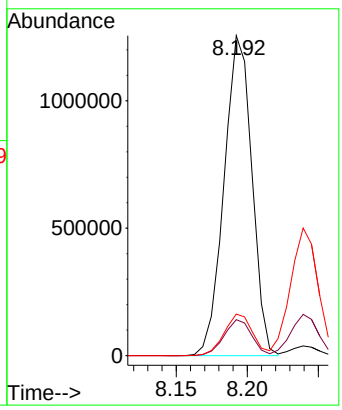




#31
Naphthalene
Concen: 64.341 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:128 Resp: 171091

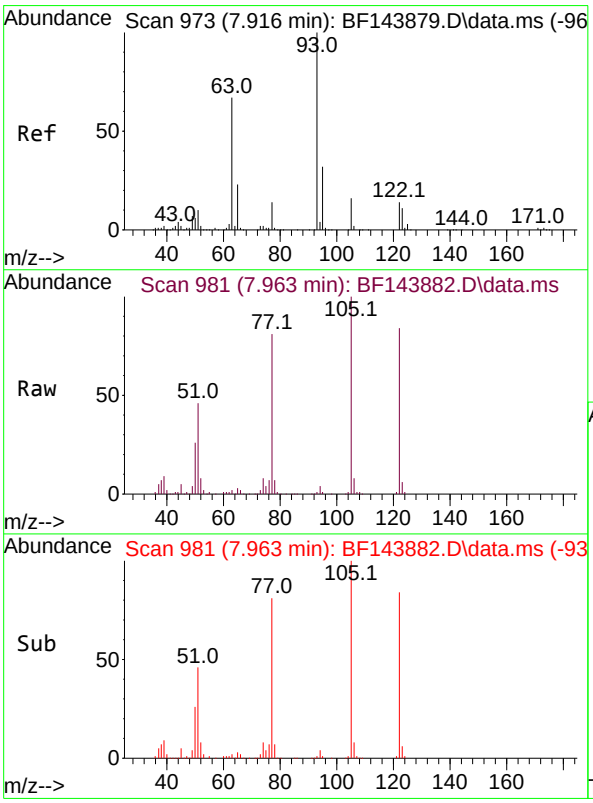
Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	13.0	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

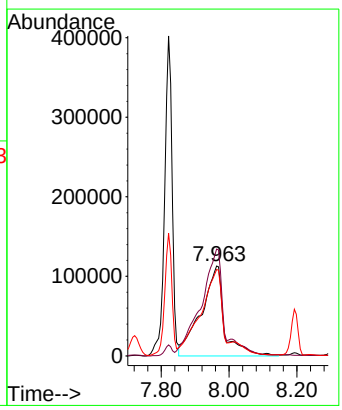
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

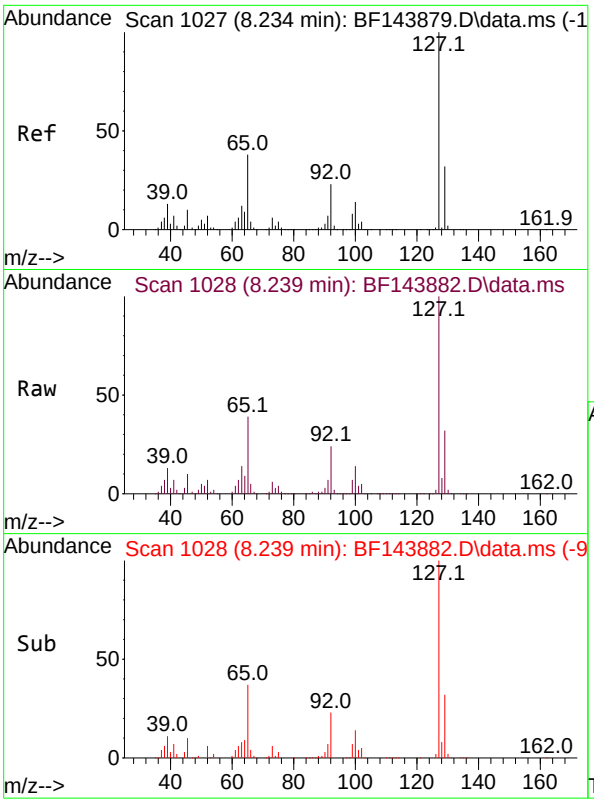


#32
Benzoic acid
Concen: 94.587 ng m
RT: 7.963 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

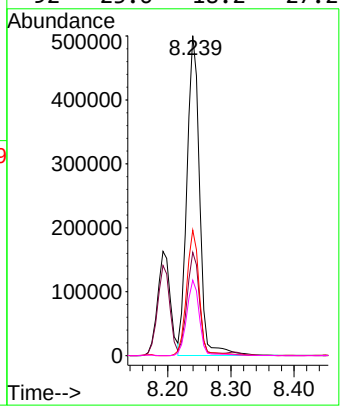




#33
4-Chloroaniline
Concen: 69.923 ng
RT: 8.239 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:127 Resp: 69735

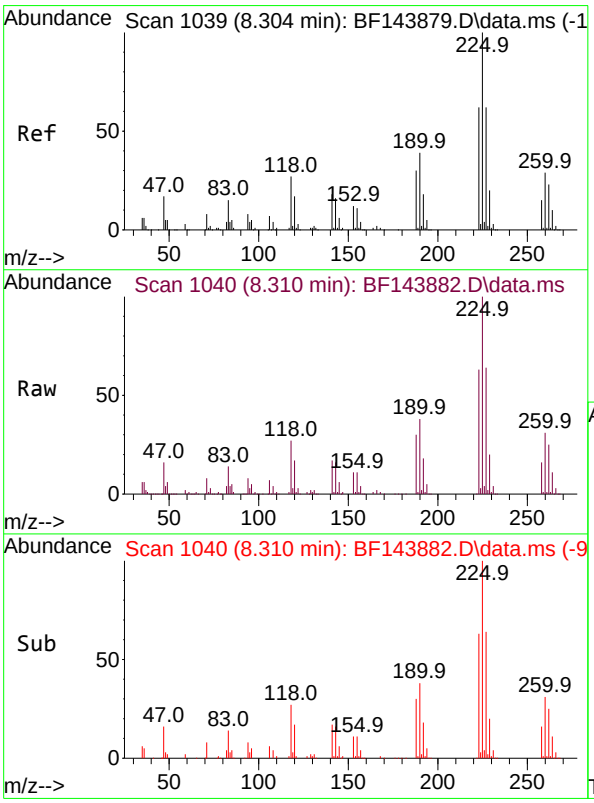
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.8	38.8
65	39.2	30.0	45.0
92	23.6	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

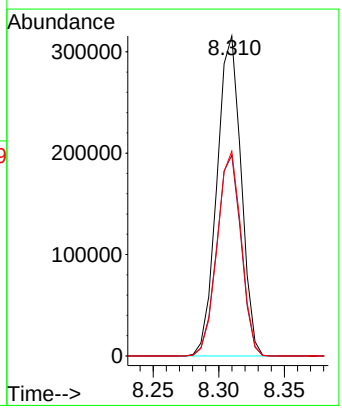
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

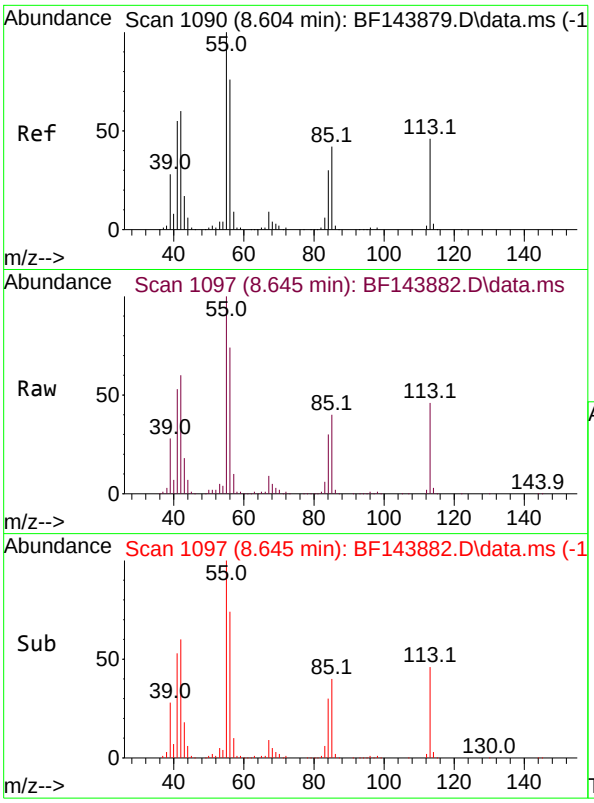


#34
Hexachlorobutadiene
Concen: 68.974 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

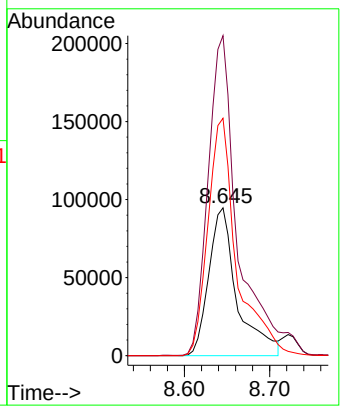
Tgt Ion:113 Resp: 21880

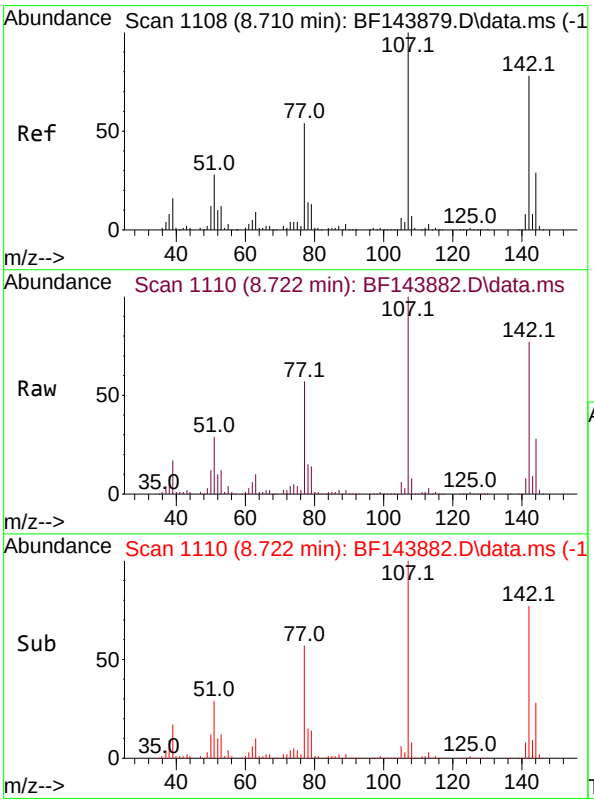
Ion	Ratio	Lower	Upper
113	100		
55	216.6	199.6	239.6
56	160.6	146.0	186.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

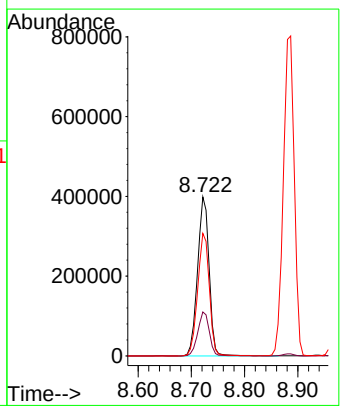


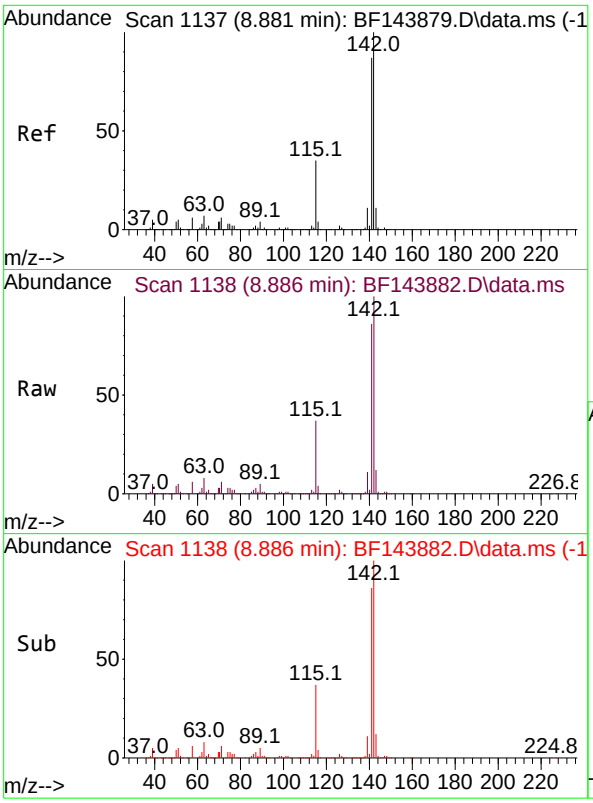


#36
4-Chloro-3-methylphenol
Concen: 72.601 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

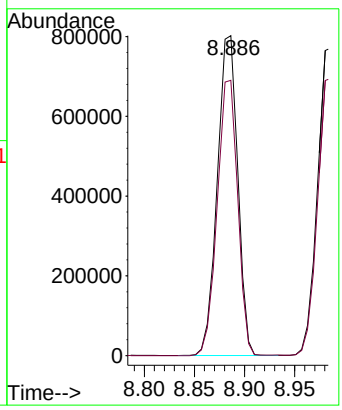




#37
2-Methylnaphthalene
Concen: 64.254 ng
RT: 8.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:142 Resp: 113814

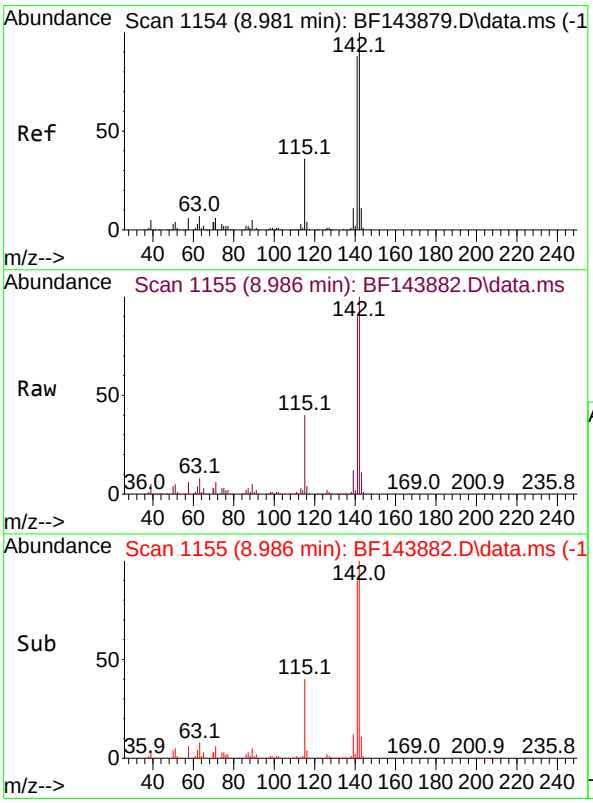
Ion	Ratio	Lower	Upper
142	100		
141	86.0	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

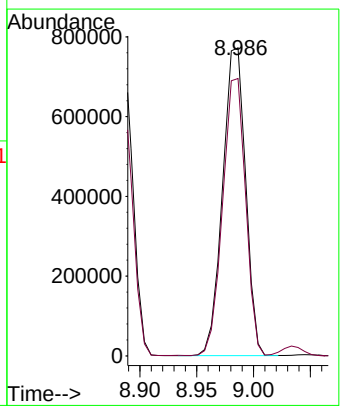
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

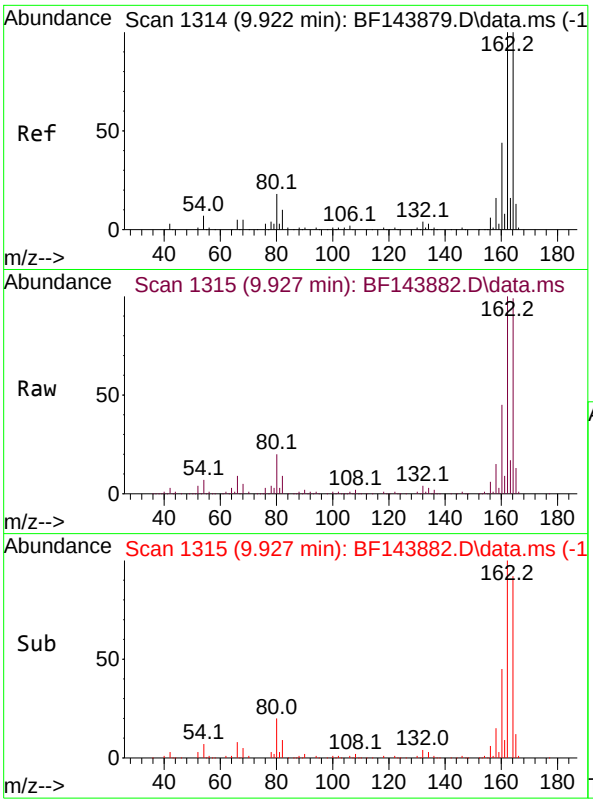


#38
1-Methylnaphthalene
Concen: 63.318 ng
RT: 8.986 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:142 Resp: 1087879

Ion	Ratio	Lower	Upper
142	100		
141	90.1	70.8	106.2

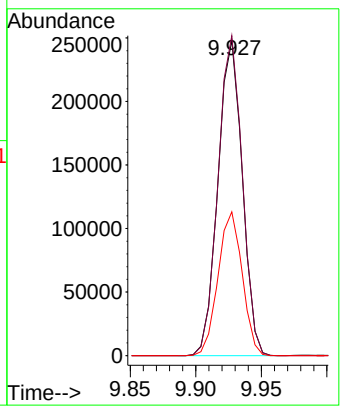




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:164 Resp: 32033

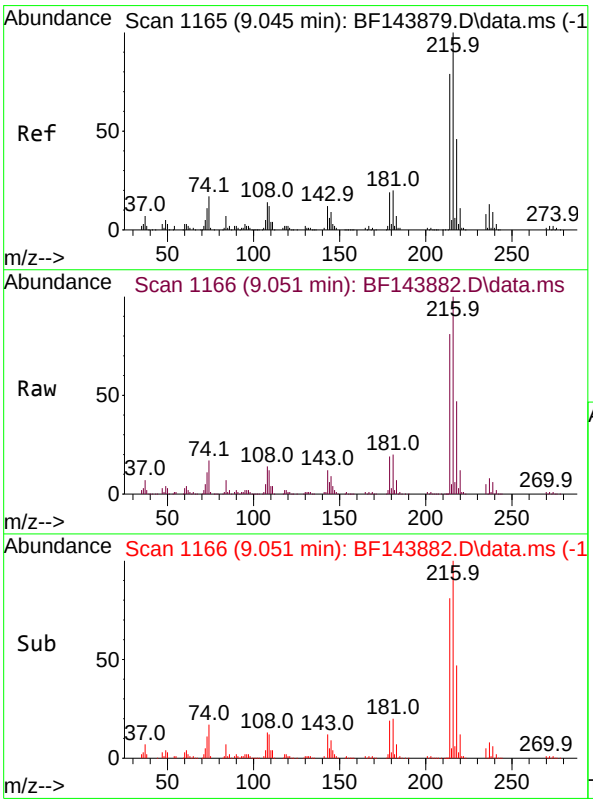
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.2	120.2
160	45.6	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

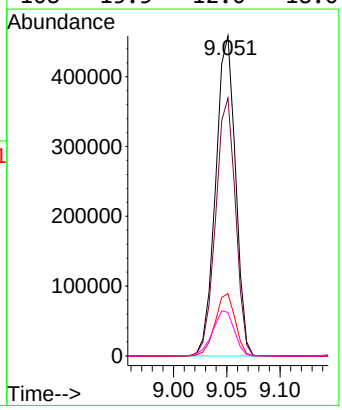
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

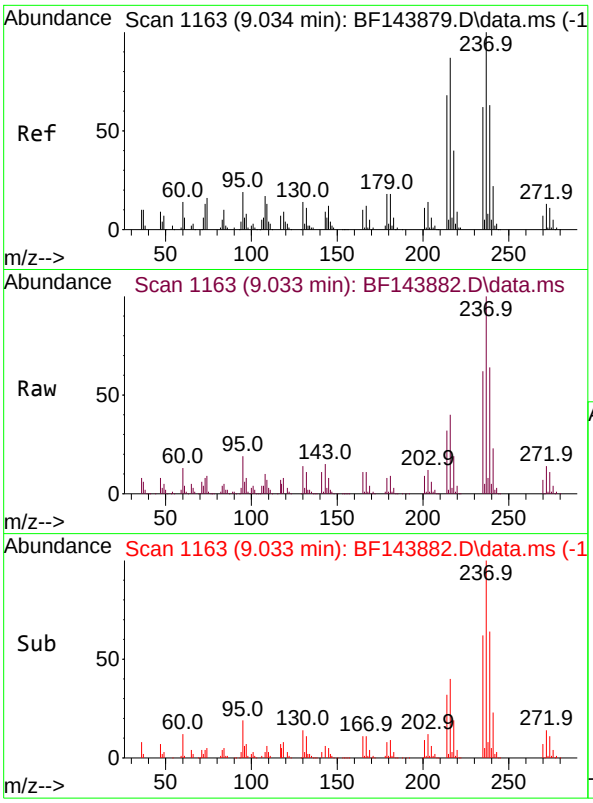


#40
1,2,4,5-Tetrachlorobenzene
Concen: 67.166 ng
RT: 9.051 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

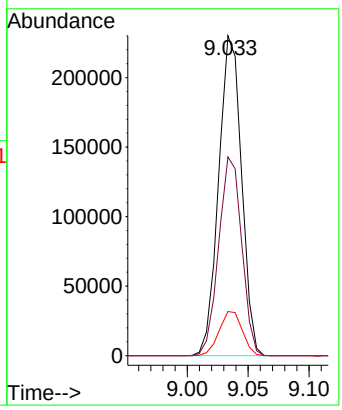
Tgt Ion:237 Resp: 30117

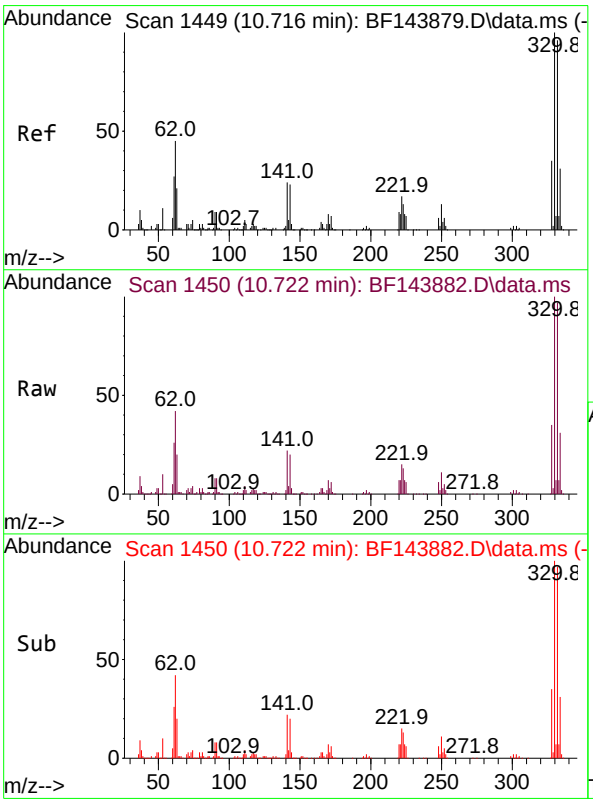
Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.3	82.3
272	13.8	0.0	33.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

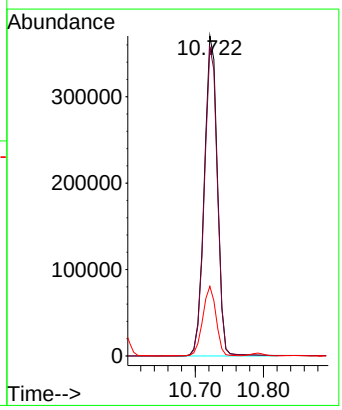


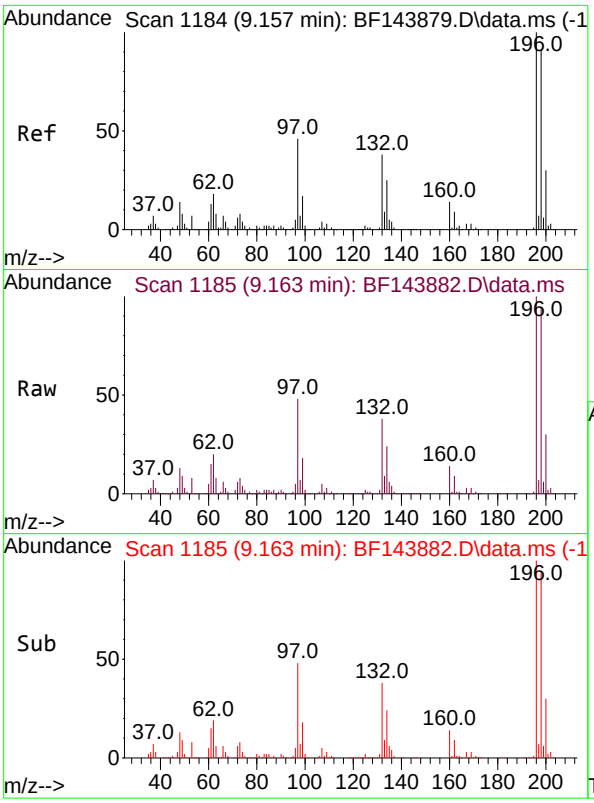


#42
2,4,6-Tribromophenol
Concen: 155.397 ng
RT: 10.722 min Scan# 1450
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

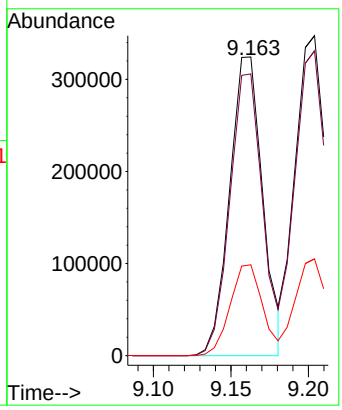




#43
2,4,6-Trichlorophenol
Concen: 74.487 ng
RT: 9.163 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:196 Resp: 48185

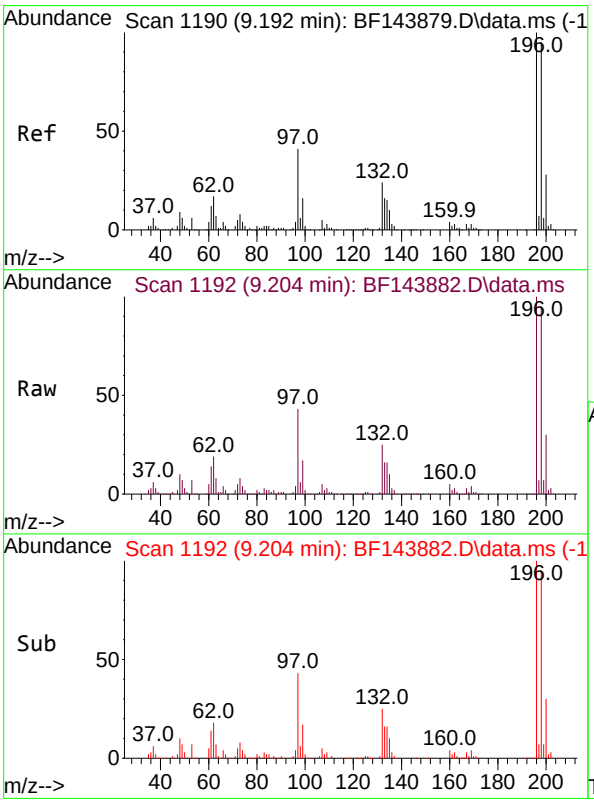
Ion	Ratio	Lower	Upper
196	100		
198	94.4	72.8	109.2
200	30.4	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

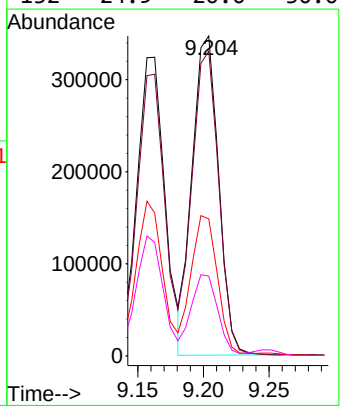
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

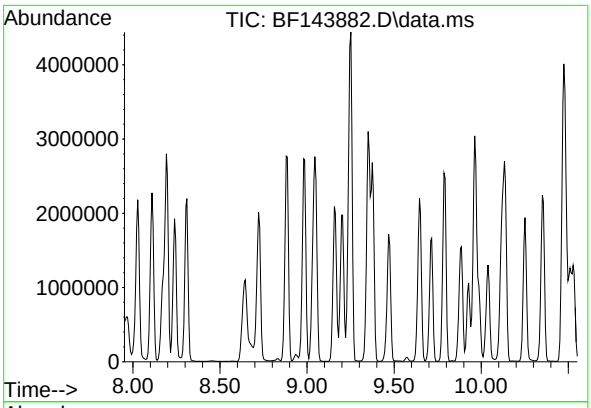


#44
2,4,5-Trichlorophenol
Concen: 71.286 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

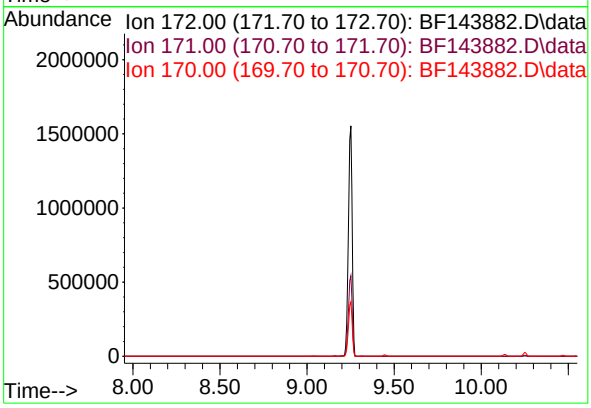
Tgt Ion: 172

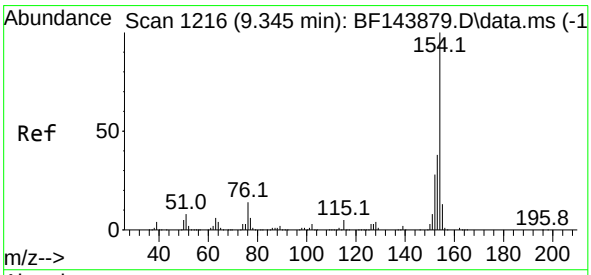
Sig	Exp Ratio
172	100
171	34.2
170	23.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

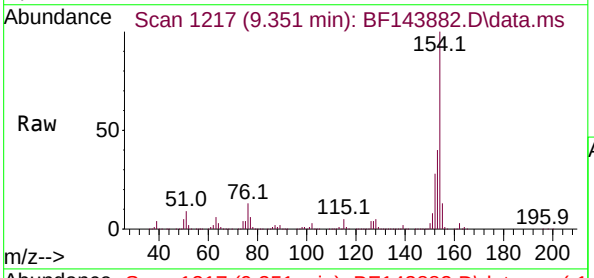


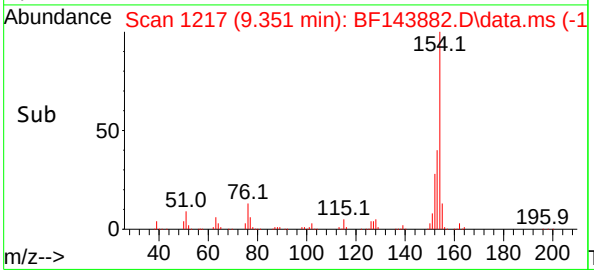


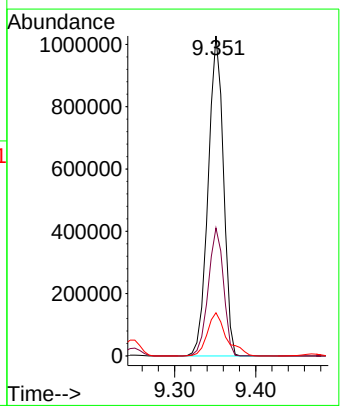
#46
1,1'-Biphenyl
Concen: 63.407 ng
RT: 9.351 min Scan# 1217
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

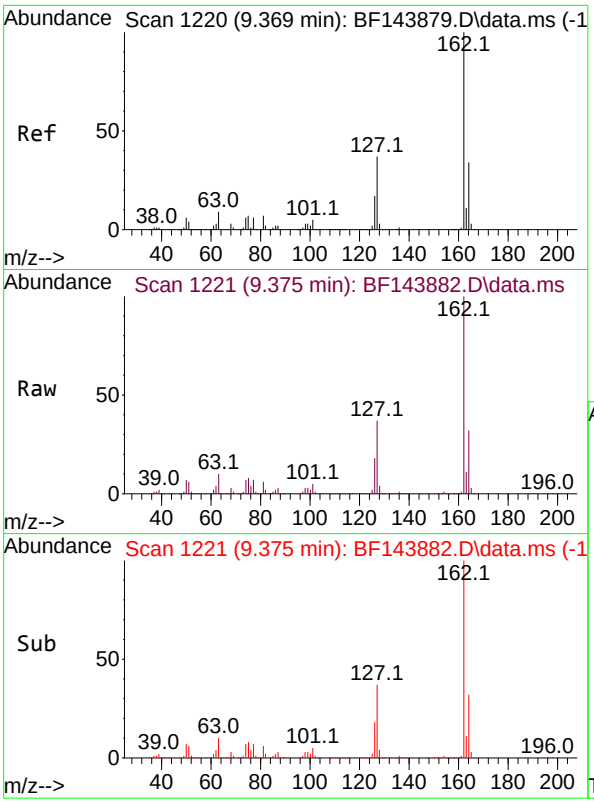
Tgt Ion:154 Resp: 1344805

Ion	Ratio	Lower	Upper
154	100		
153	40.0	18.4	58.4
76	13.5	0.0	34.0





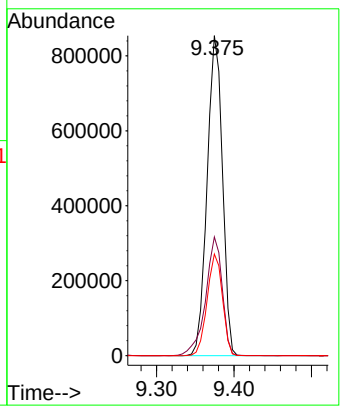




#47
2-Chloronaphthalene
Concen: 66.165 ng
RT: 9.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:162 Resp: 1170019

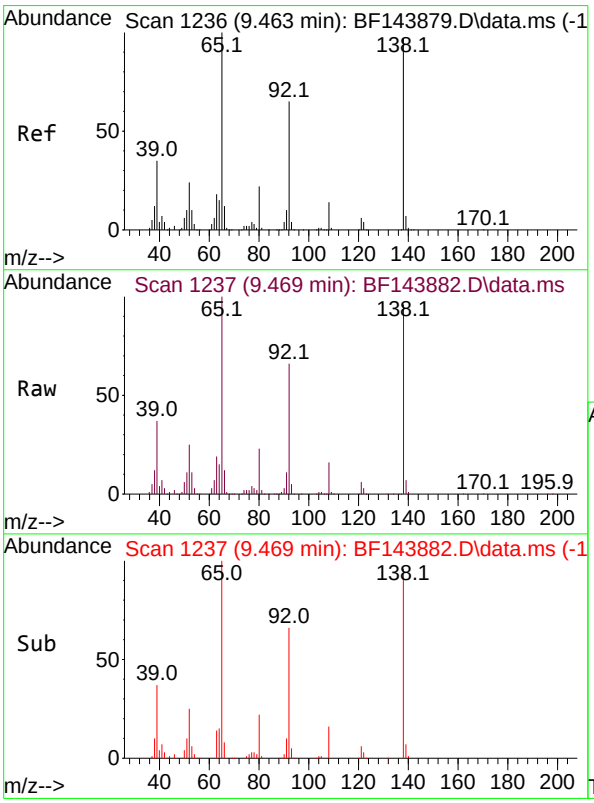
Ion	Ratio	Lower	Upper
162	100		
127	37.1	30.2	45.2
164	31.7	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

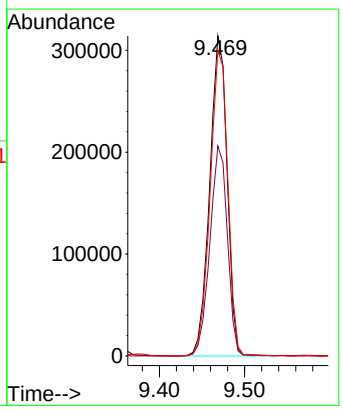
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

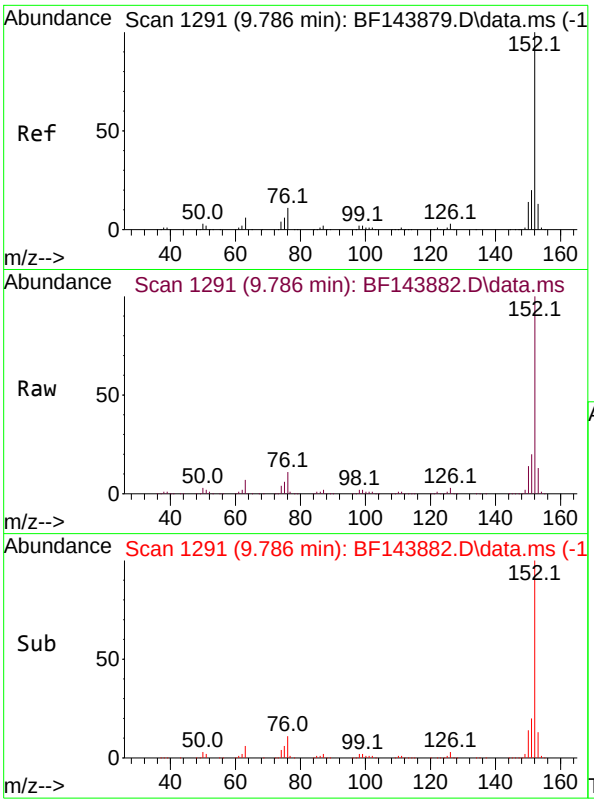


#48
2-Nitroaniline
Concen: 79.693 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

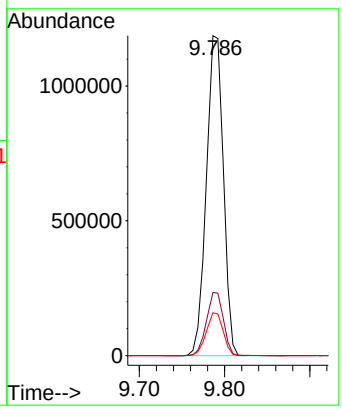




#49
Acenaphthylene
Concen: 66.159 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:152 Resp: 164472

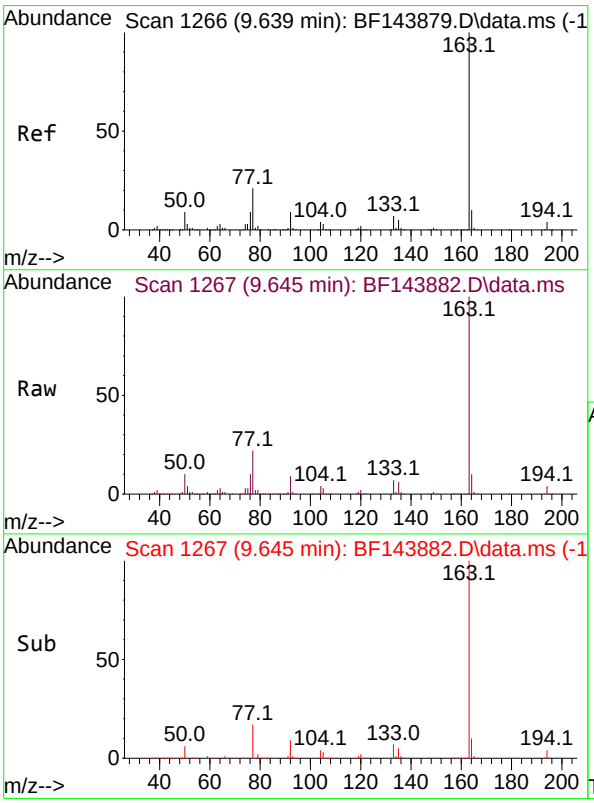
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	13.4	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

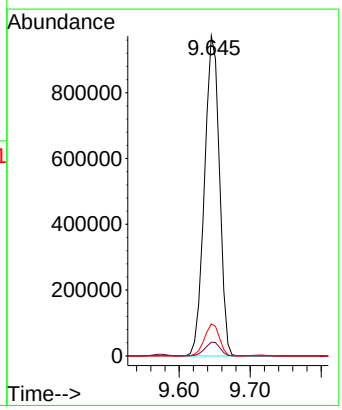
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

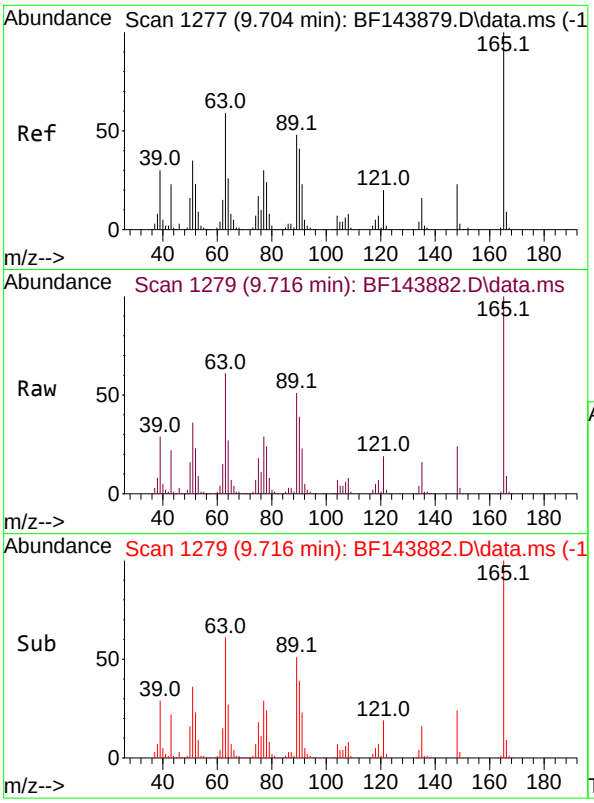


#50
Dimethylphthalate
Concen: 69.582 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

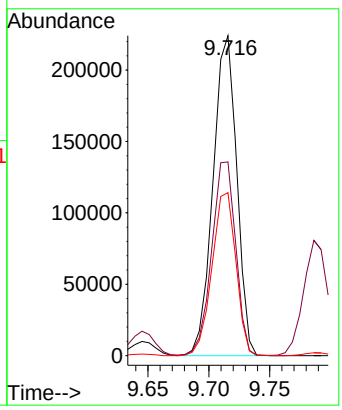
Tgt Ion:165 Resp: 30317

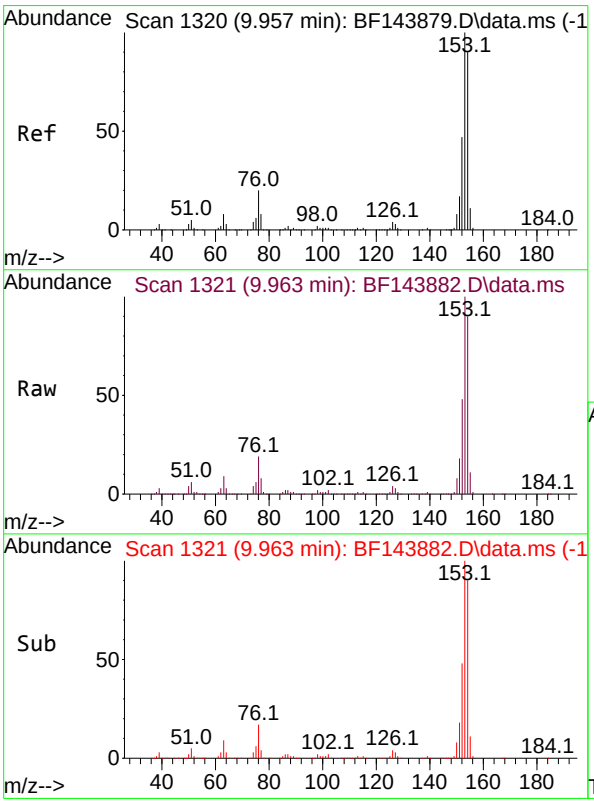
Ion	Ratio	Lower	Upper
165	100		
63	60.5	47.3	70.9
89	51.0	38.2	57.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

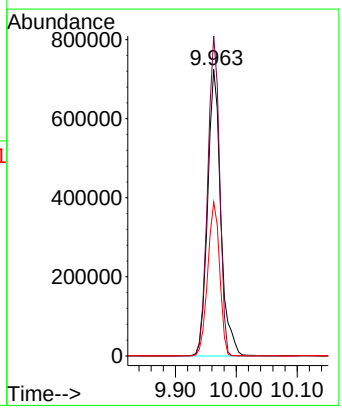


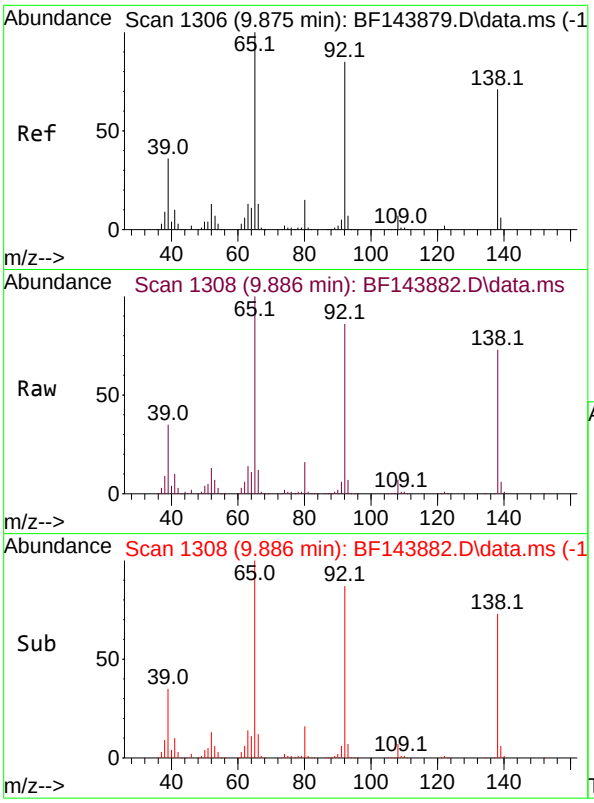


#52
Acenaphthene
Concen: 66.651 ng
RT: 9.963 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

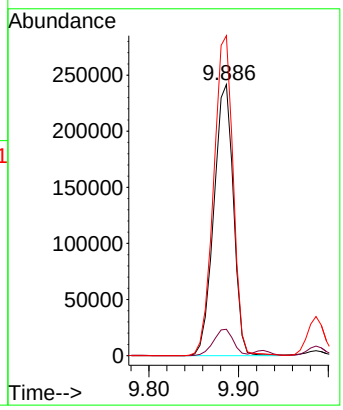
Tgt Ion:138 Resp: 365960

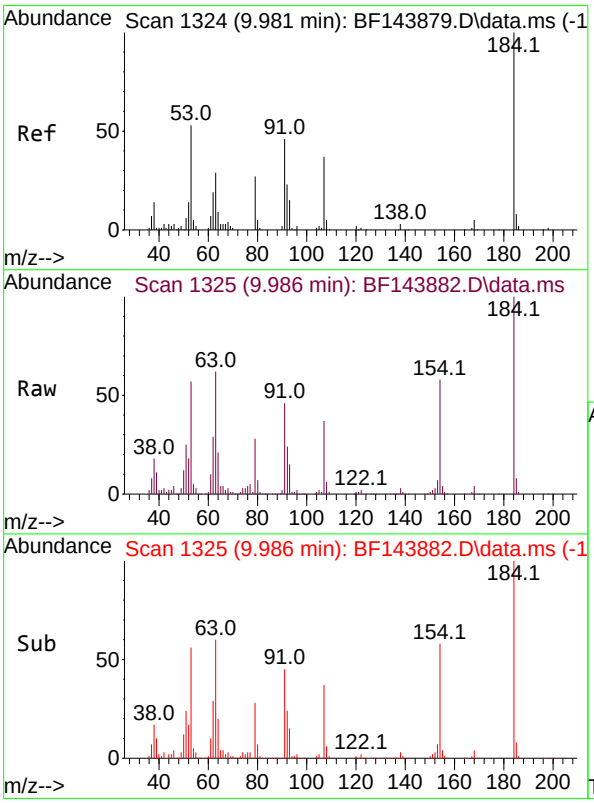
Ion	Ratio	Lower	Upper
138	100		
108	9.7	8.3	12.5
92	118.0	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

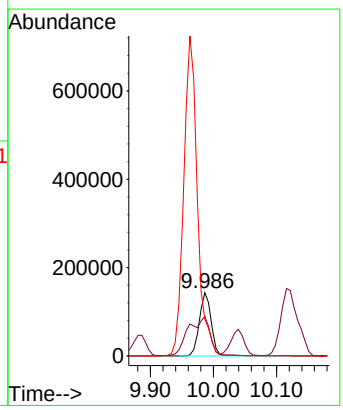


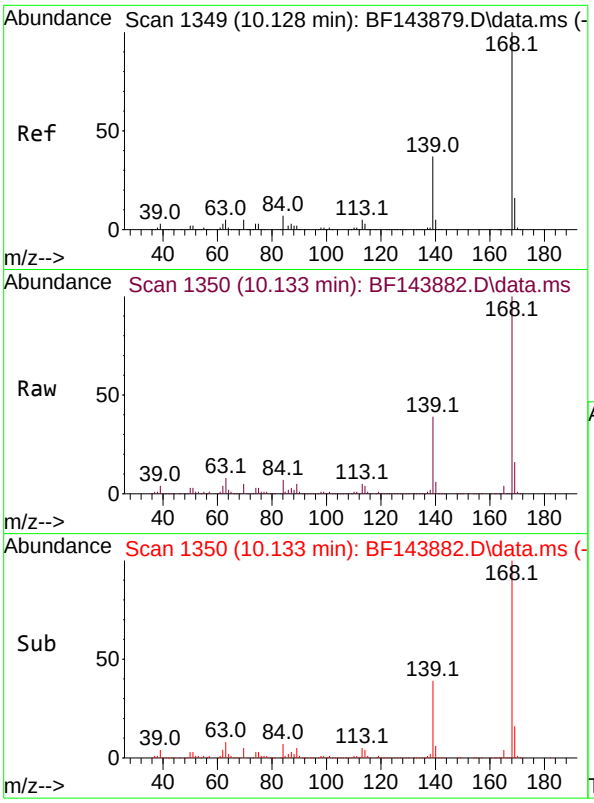


#54
2,4-Dinitrophenol
Concen: 80.556 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

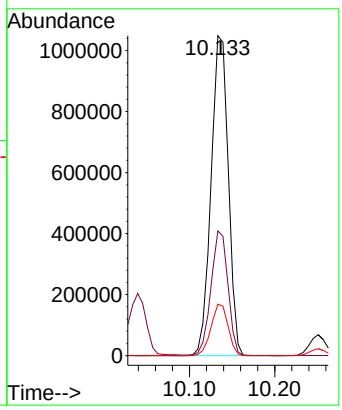




#55
Dibenzofuran
Concen: 63.998 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:168 Resp: 147162

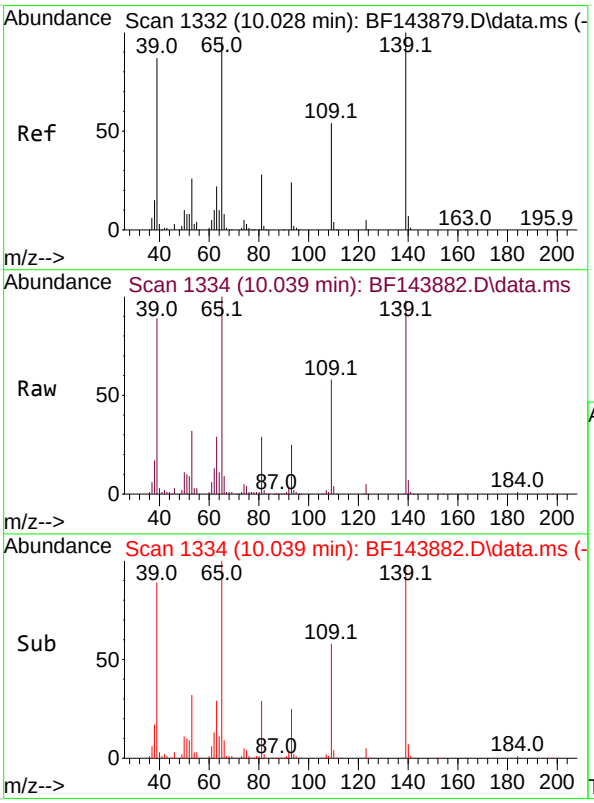
Ion	Ratio	Lower	Upper
168	100		
139	39.0	29.8	44.8
169	16.1	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

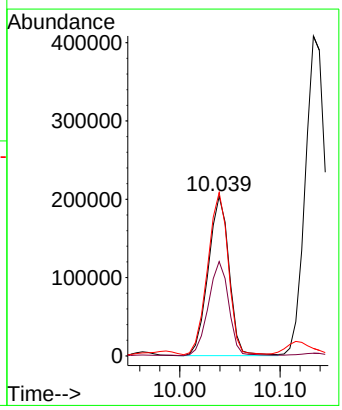
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

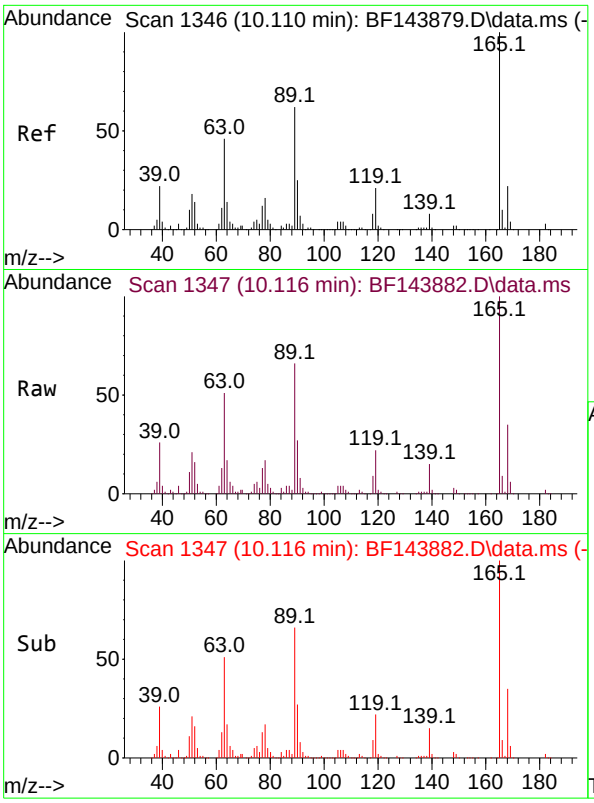


#56
4-Nitrophenol
Concen: 84.335 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

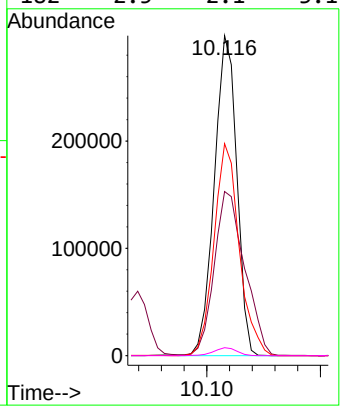




#57
2,4-Dinitrotoluene
Concen: 79.779 ng
RT: 10.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:165 Resp: 40946

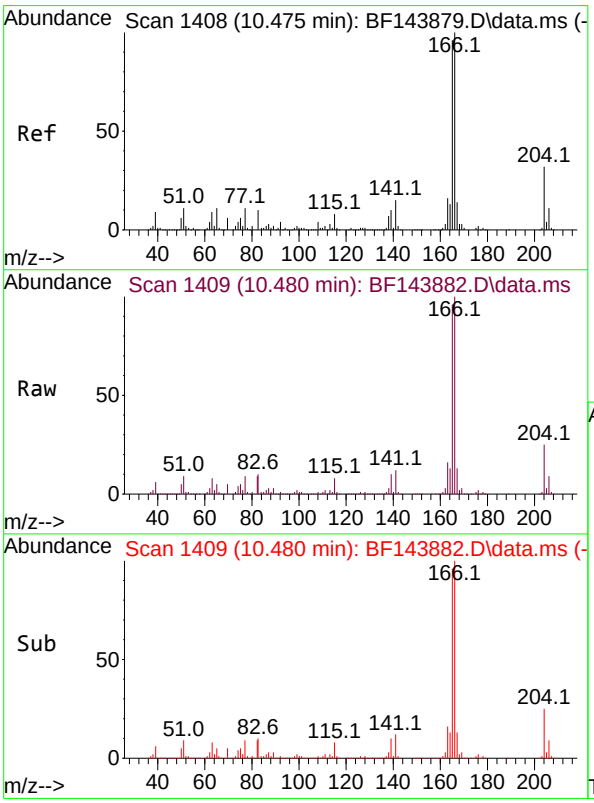
Ion	Ratio	Lower	Upper
165	100		
63	51.3	37.2	55.8
89	66.2	49.4	74.2
182	2.5	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

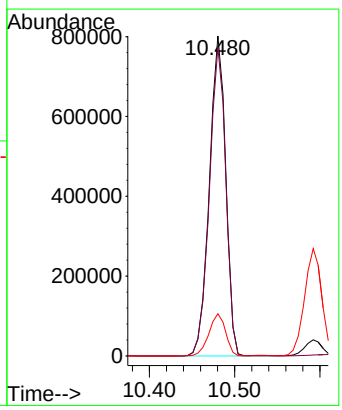
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

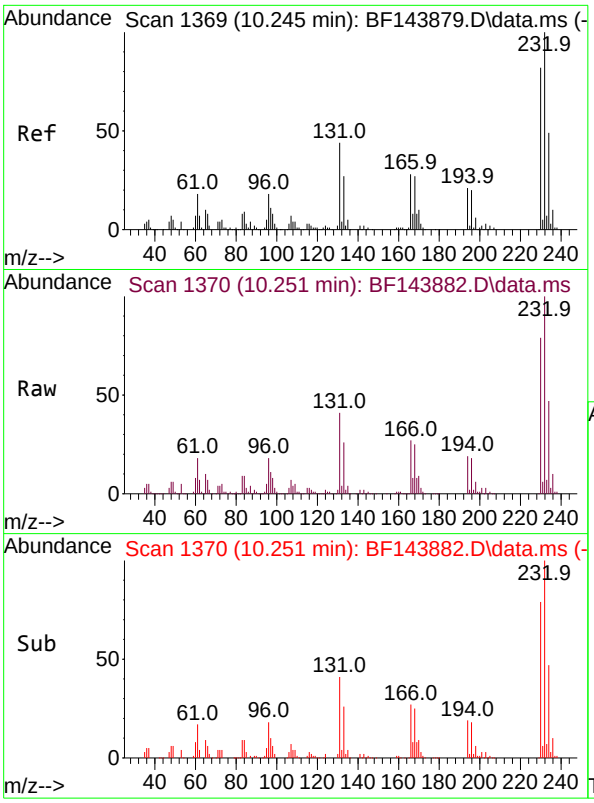


#58
Fluorene
Concen: 61.654 ng
RT: 10.480 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

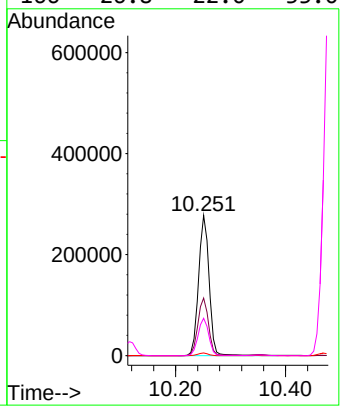




#59
2,3,4,6-Tetrachlorophenol
Concen: 76.170 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:232 Resp: 36859

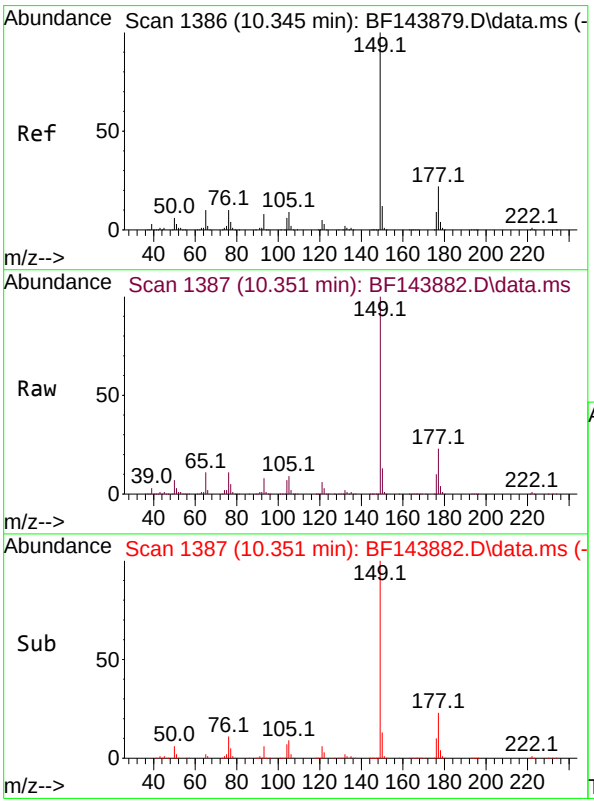
Ion	Ratio	Lower	Upper
232	100		
131	41.5	34.9	52.3
130	1.8	1.6	2.4
166	26.8	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

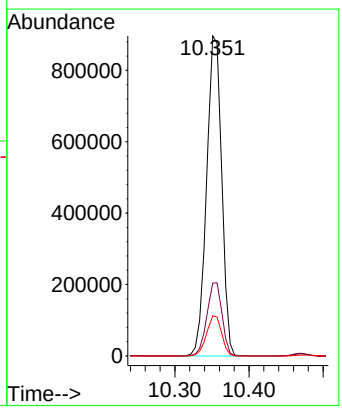
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

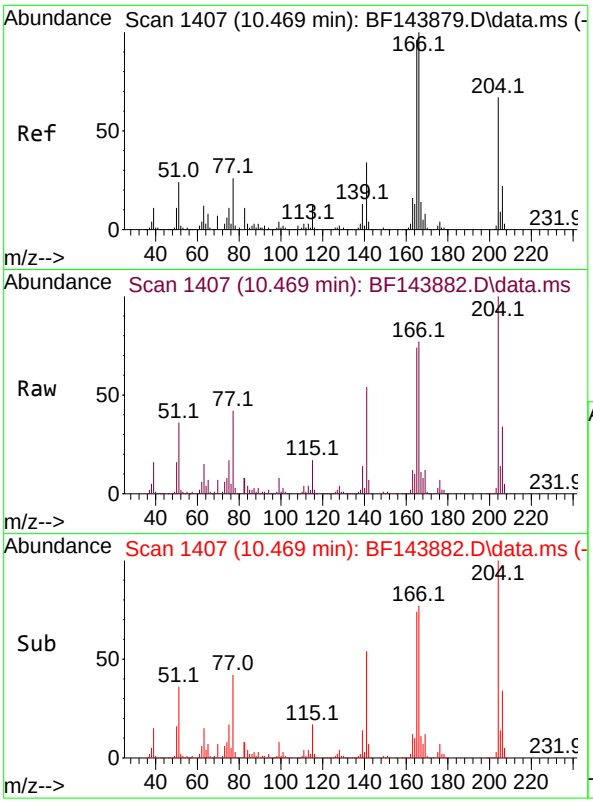


#60
Diethylphthalate
Concen: 67.047 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

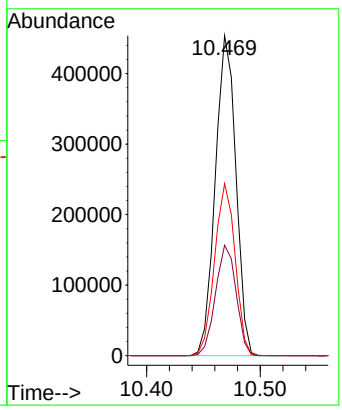
Tgt Ion:204 Resp: 57203

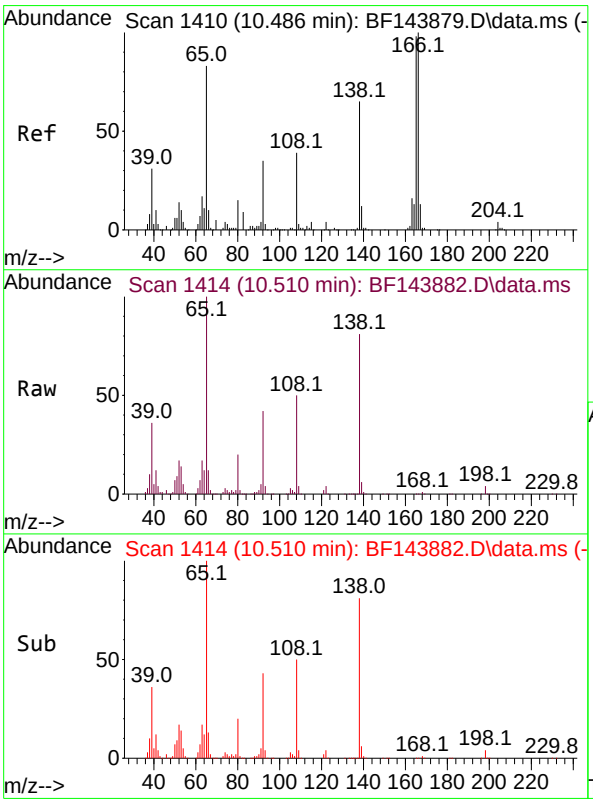
Ion	Ratio	Lower	Upper
204	100		
206	34.5	26.6	40.0
141	53.7	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

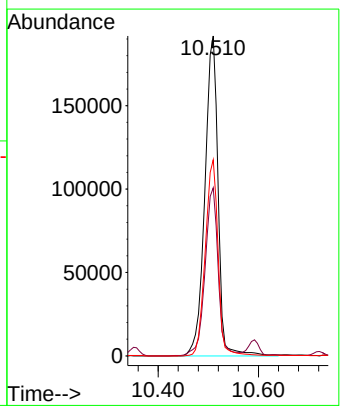


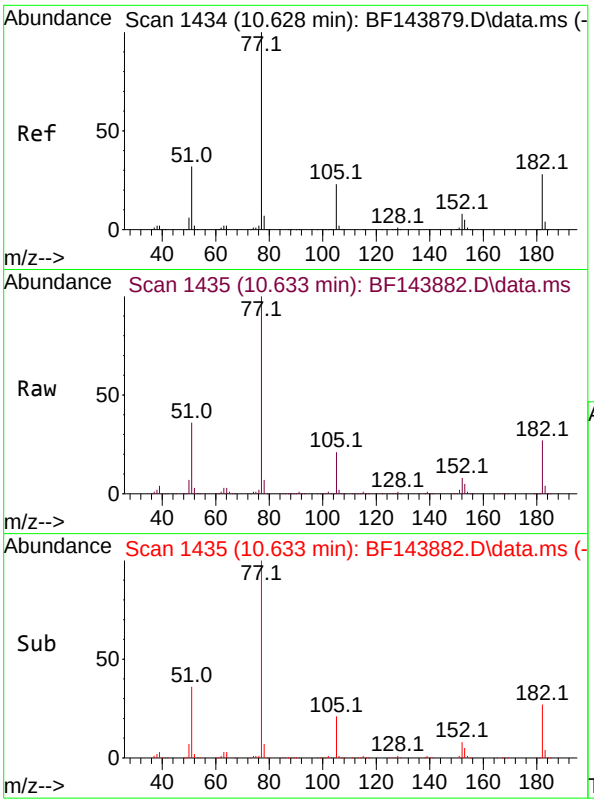


#62
4-Nitroaniline
Concen: 79.169 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

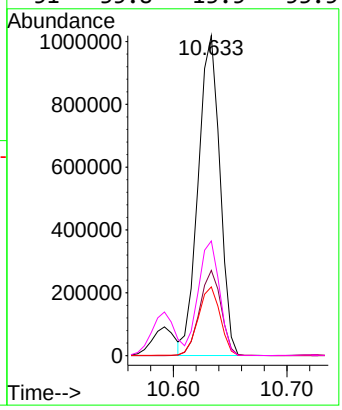




#63
Azobenzene
Concen: 68.446 ng
RT: 10.633 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion: 77 Resp: 135192

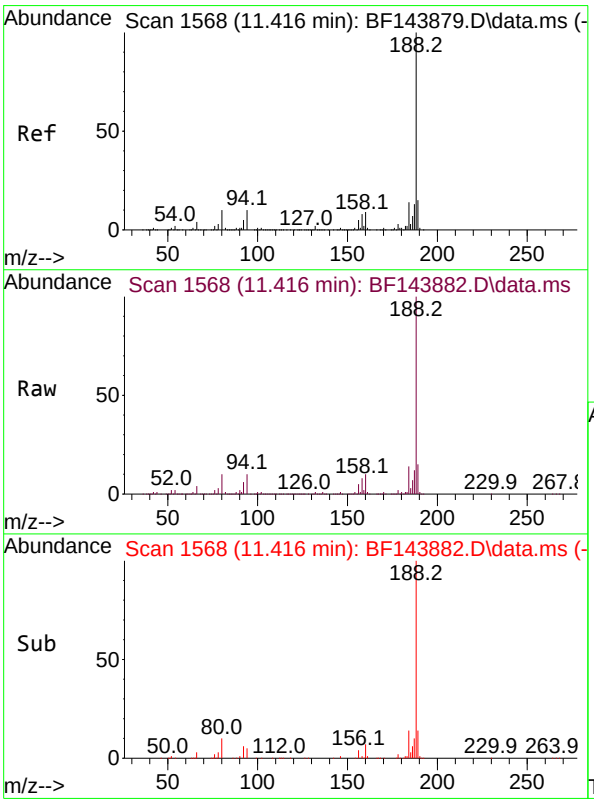
Ion	Ratio	Lower	Upper
77	100		
182	26.7	7.3	47.3
105	21.5	3.0	43.0
51	35.8	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

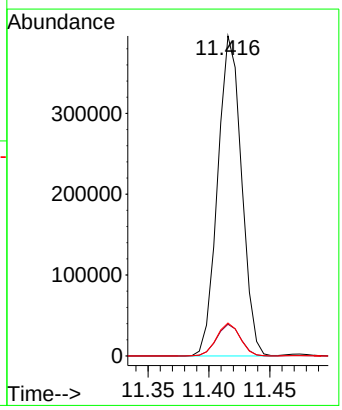
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

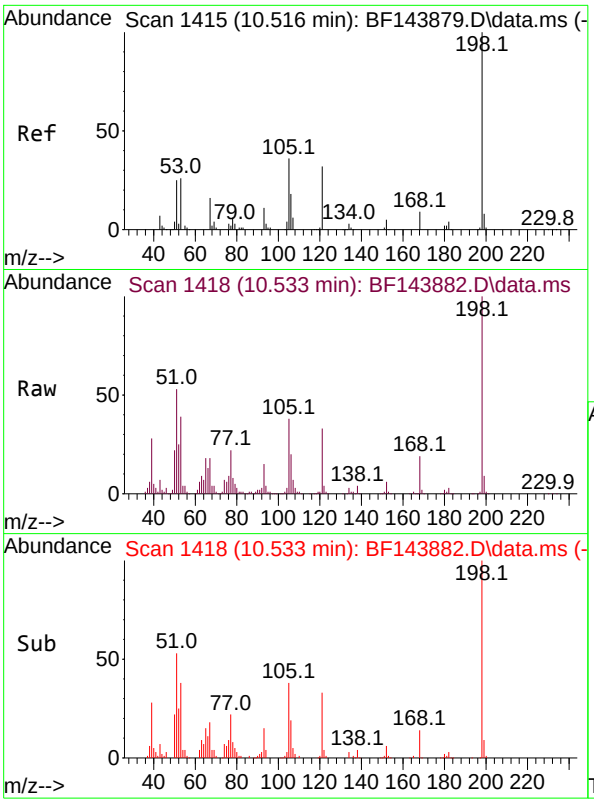


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

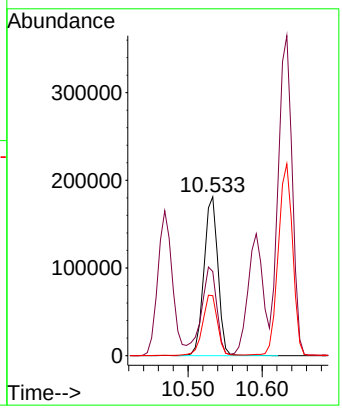
Tgt Ion:198 Resp: 23686

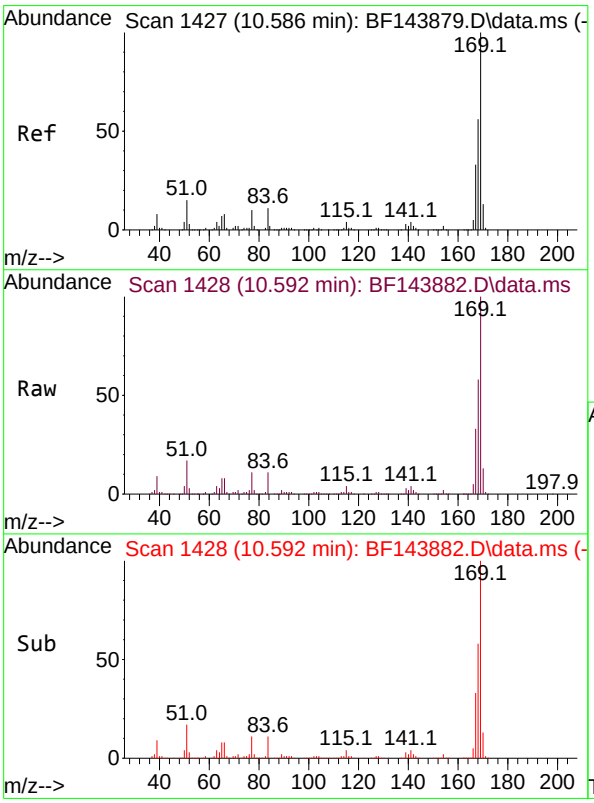
Ion	Ratio	Lower	Upper
198	100		
51	53.0	33.8	73.8
105	37.7	17.0	57.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

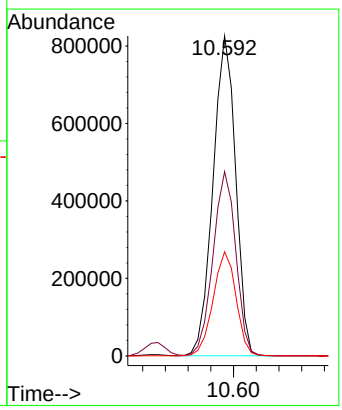


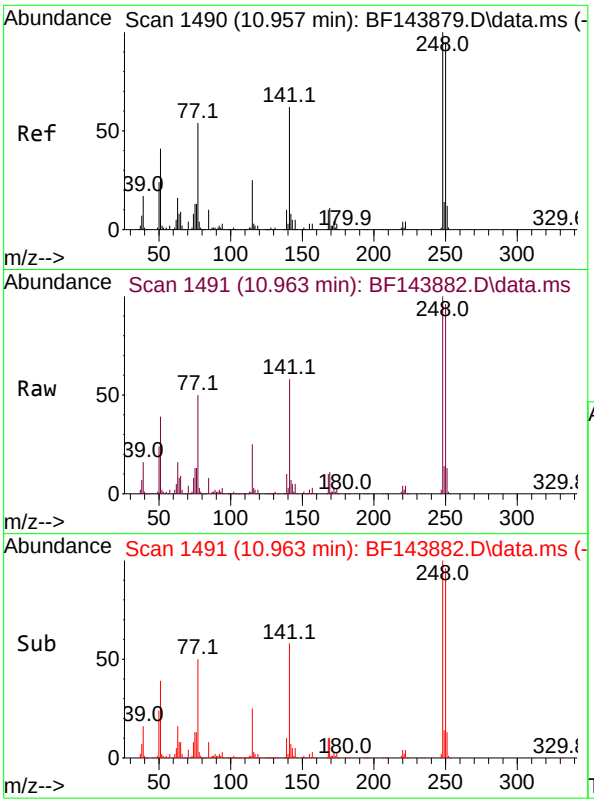


#66
n-Nitrosodiphenylamine
Concen: 67.159 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

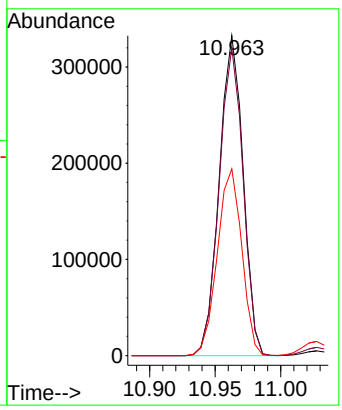




#67
4-Bromophenyl-phenylether
Concen: 70.857 ng
RT: 10.963 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:248 Resp: 42314

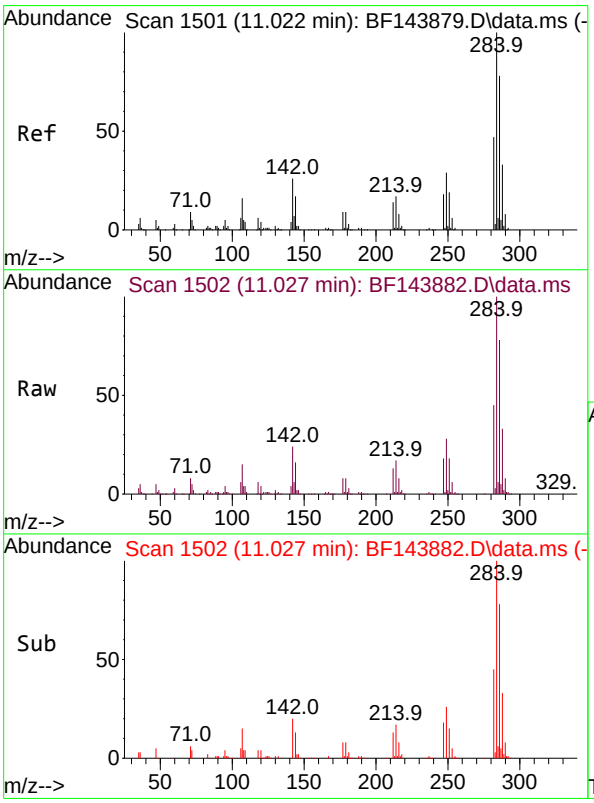
Ion	Ratio	Lower	Upper
248	100		
250	96.2	76.3	114.5
141	58.4	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

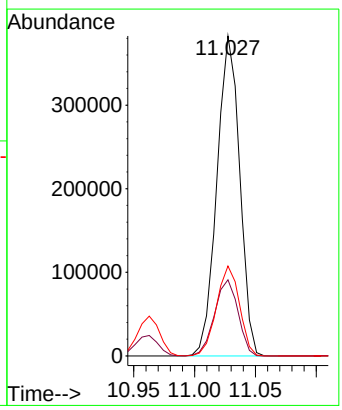
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

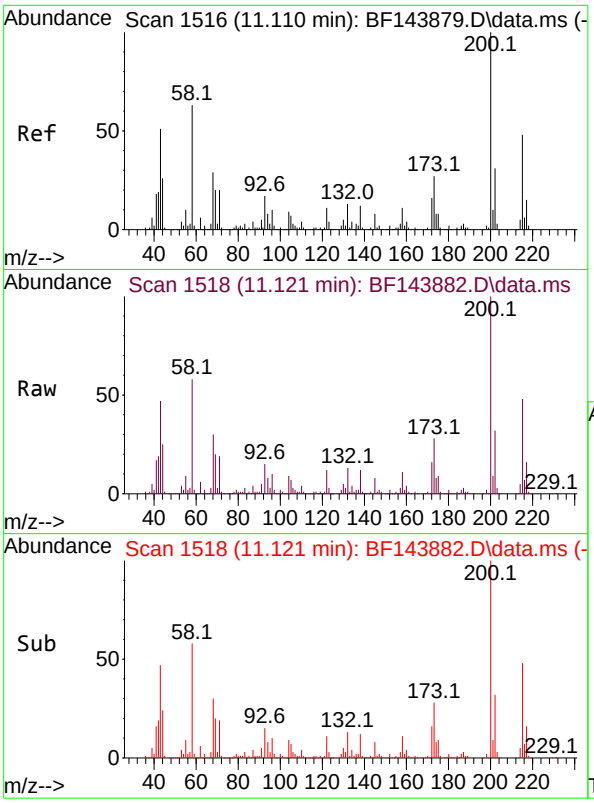


#68
Hexachlorobenzene
Concen: 72.118 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

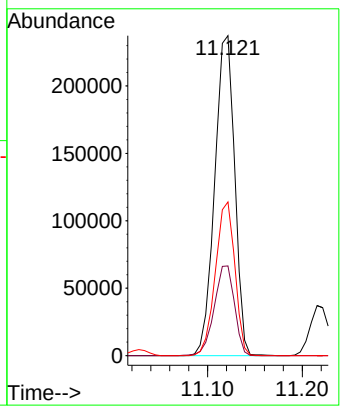




#69
Atrazine
Concen: 67.621 ng
RT: 11.121 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:200 Resp: 34774

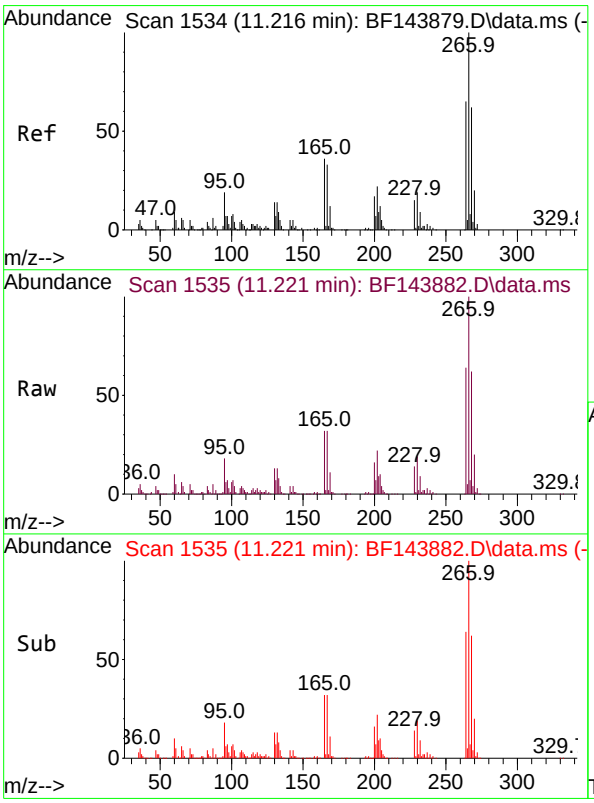
Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.0	47.0
215	48.0	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

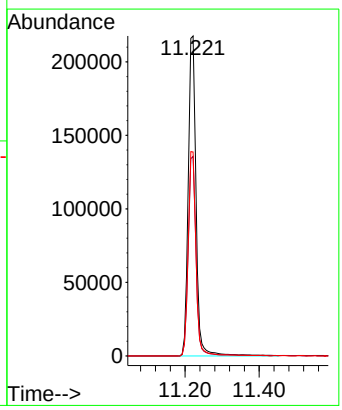
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

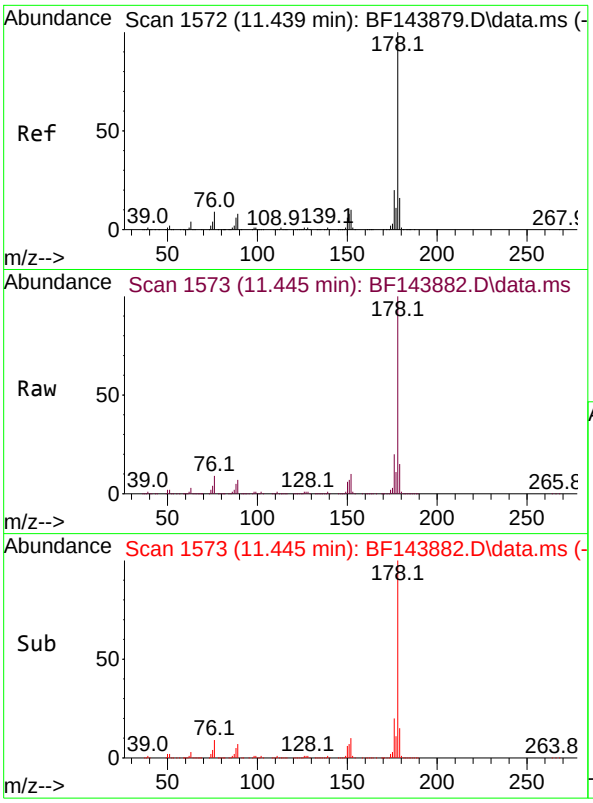


#70
Pentachlorophenol
Concen: 80.208 ng
RT: 11.221 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

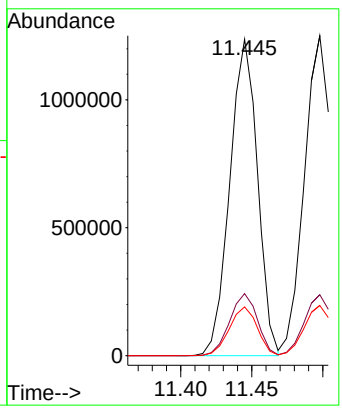




#71
Phenanthrene
Concen: 63.980 ng
RT: 11.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:178 Resp: 167608

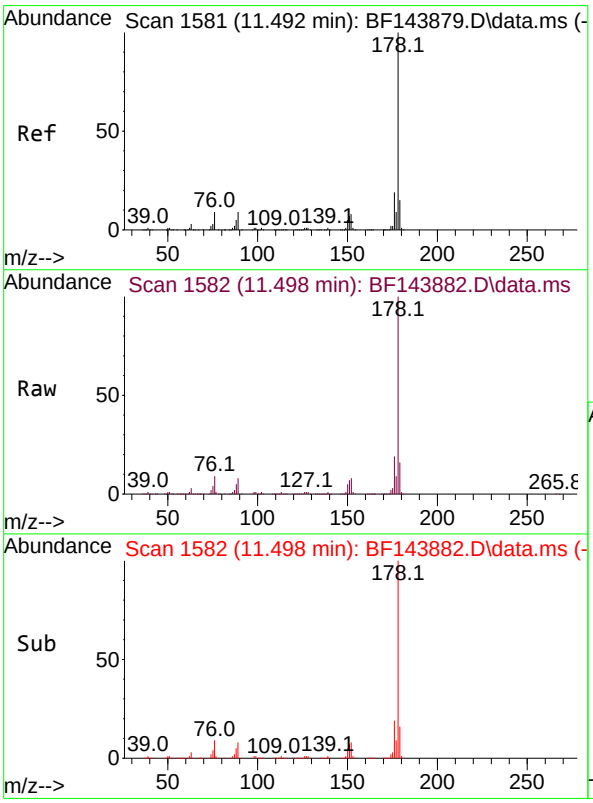
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.4	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

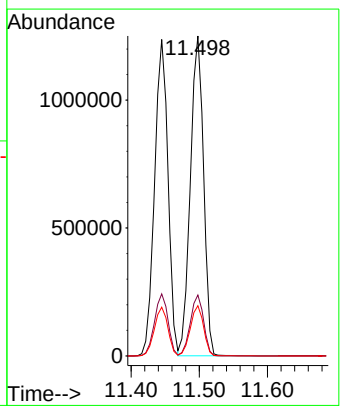
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

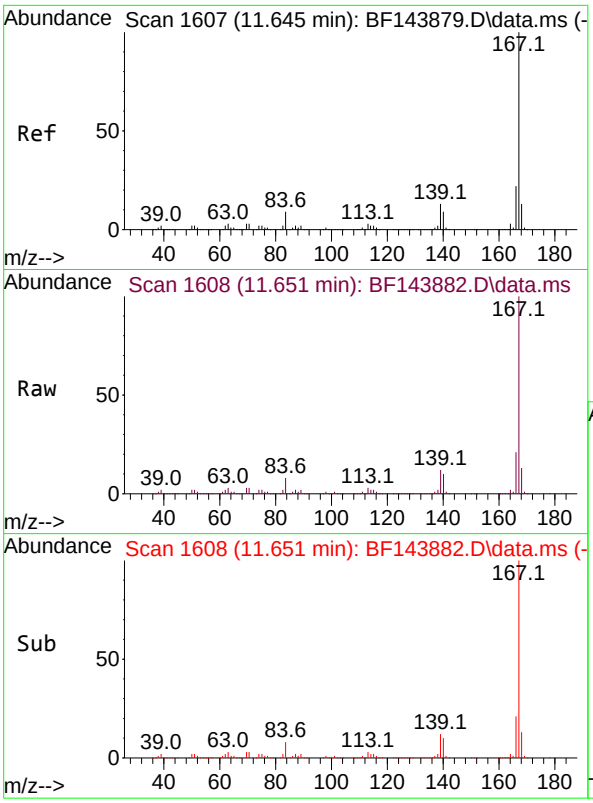


#72
Anthracene
Concen: 63.814 ng
RT: 11.498 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

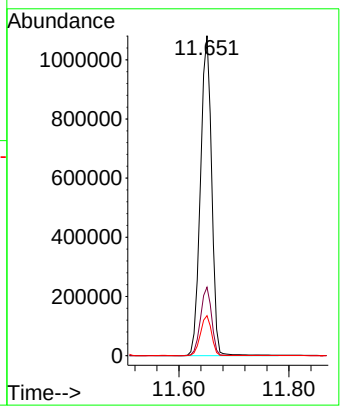




#73
Carbazole
Concen: 64.832 ng
RT: 11.651 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:167 Resp: 151961

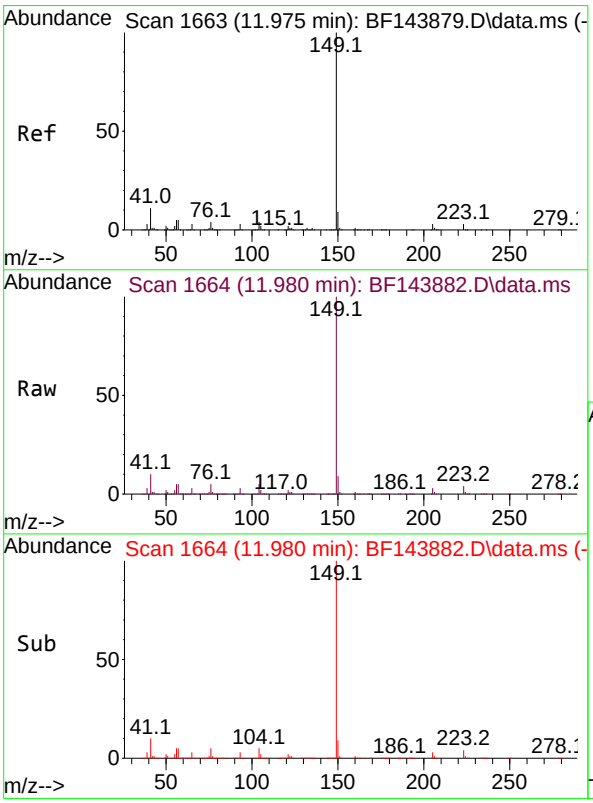
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.2	25.8
139	12.5	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

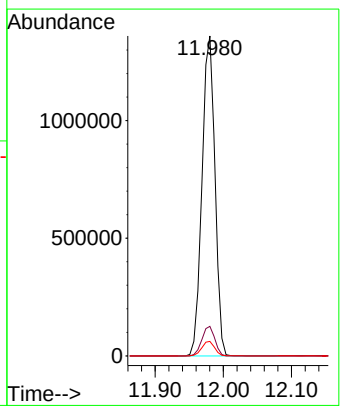
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

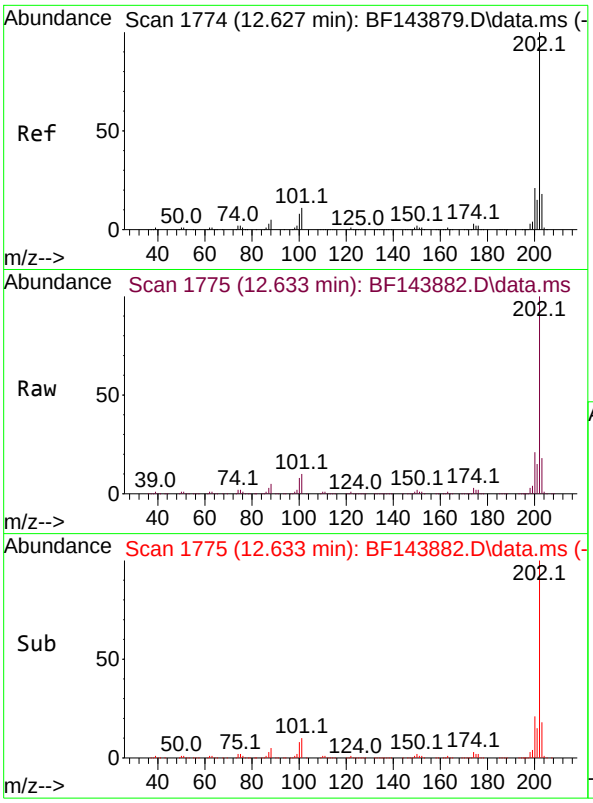


#74
Di-n-butylphthalate
Concen: 66.034 ng
RT: 11.980 min Scan# 1664
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

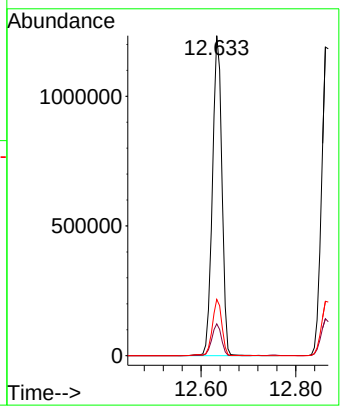




#75
Fluoranthene
Concen: 63.059 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:202 Resp: 170636

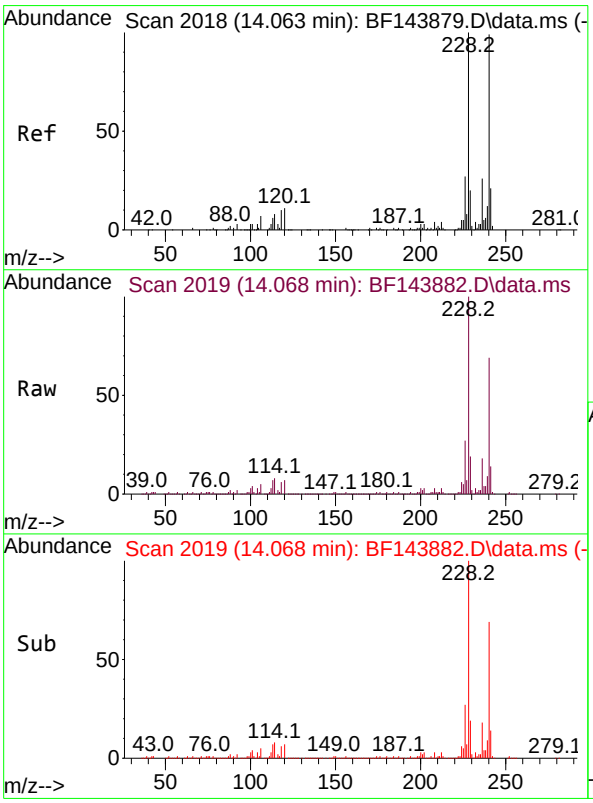
Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	30.7
203	17.6	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

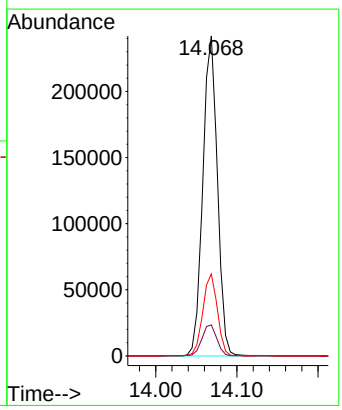
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

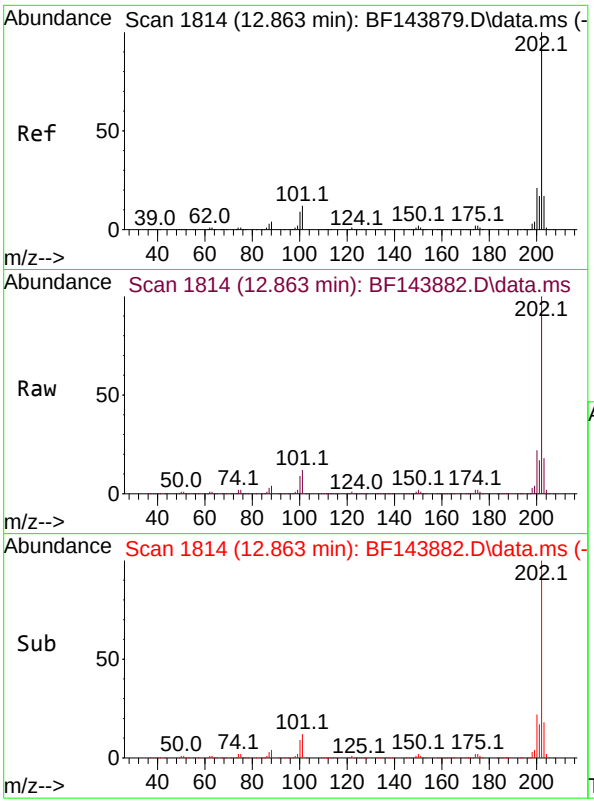


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

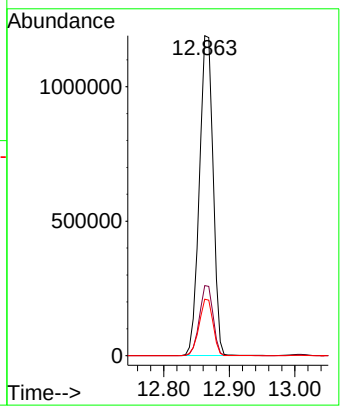




#78
Pyrene
Concen: 68.126 ng
RT: 12.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:202 Resp: 171808

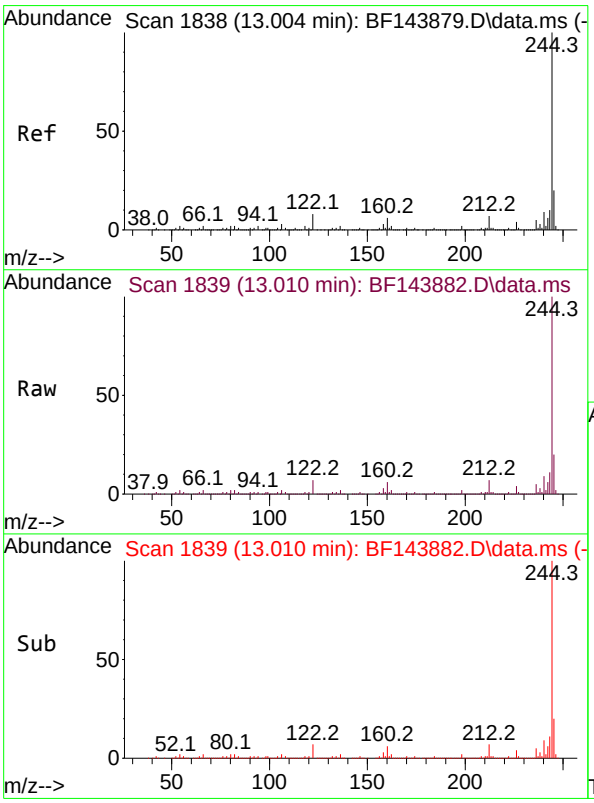
Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.6
203	17.6	13.8	20.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

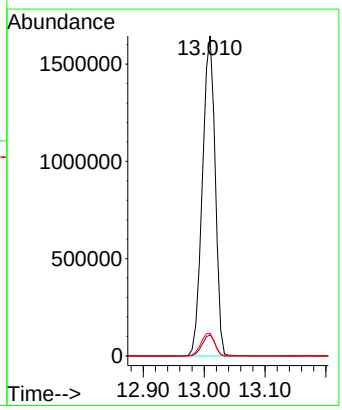
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

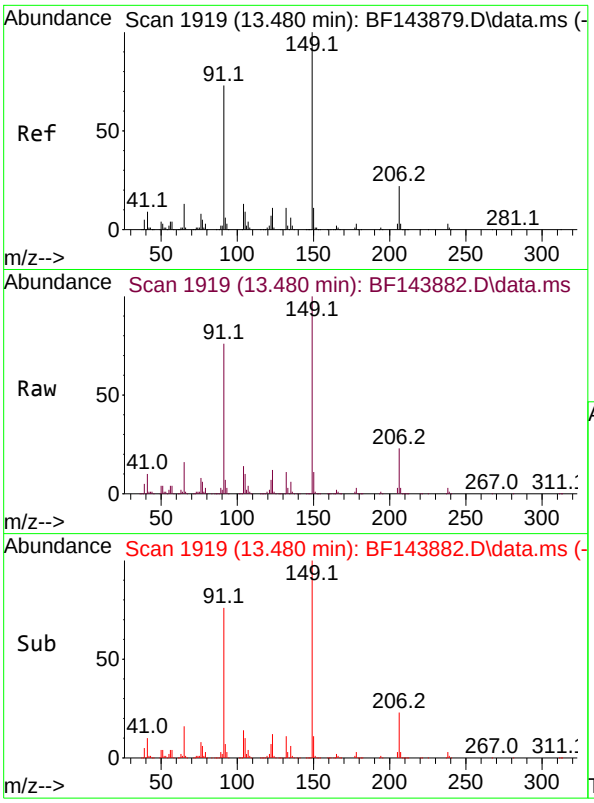


#79
Terphenyl-d14
Concen: 134.604 ng
RT: 13.010 min Scan# 1839
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

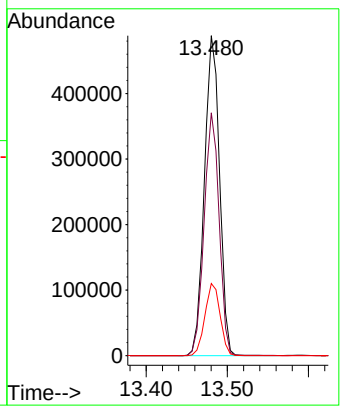




#80
Butylbenzylphthalate
Concen: 77.349 ng
RT: 13.480 min Scan# 19
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:149 Resp: 63351

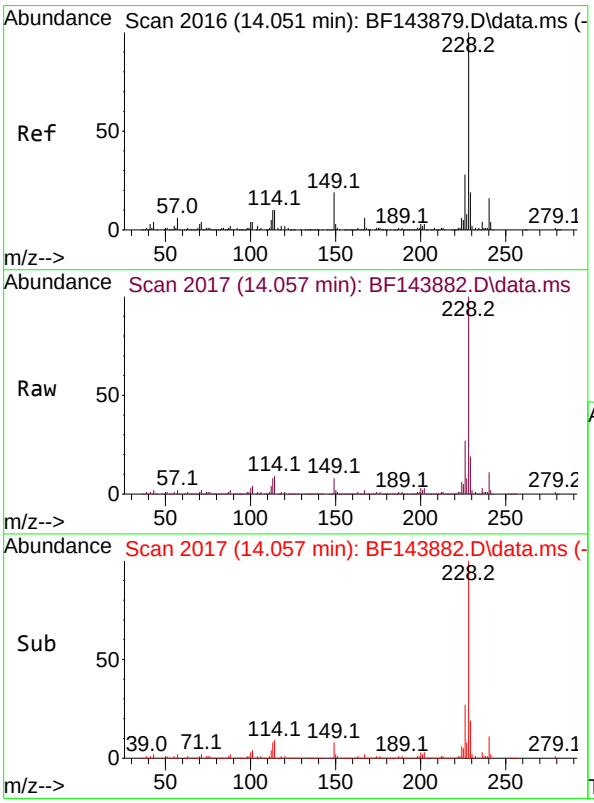
Ion	Ratio	Lower	Upper
149	100		
91	75.9	58.2	87.2
206	22.5	17.9	26.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

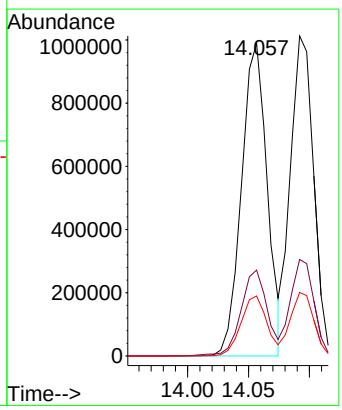
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

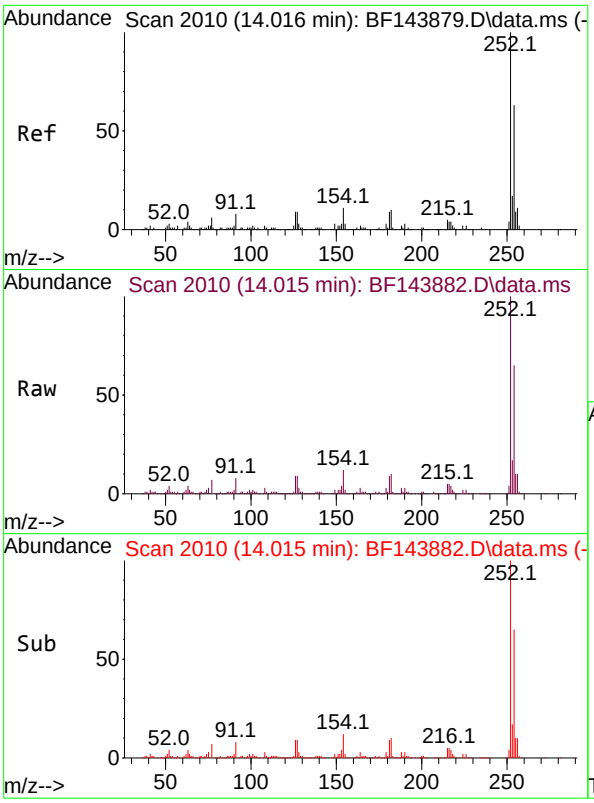


#81
Benzo(a)anthracene
Concen: 73.238 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

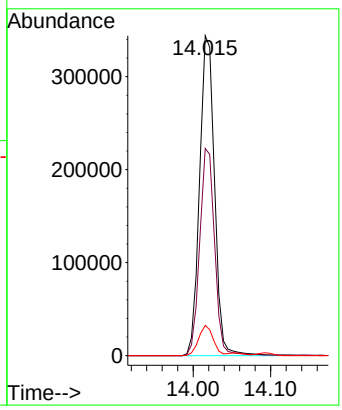




#82
3,3'-Dichlorobenzidine
Concen: 76.476 ng
RT: 14.015 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 461359

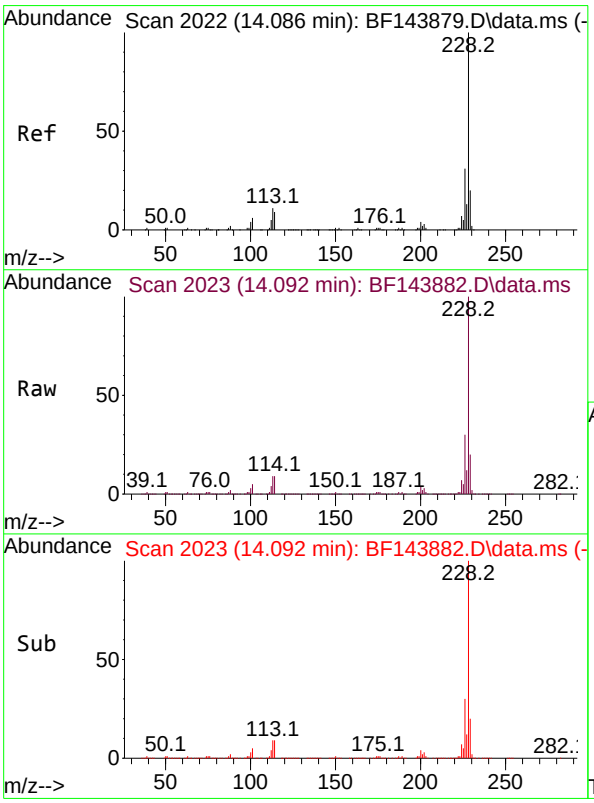
Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	76.0
126	9.4	7.0	10.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

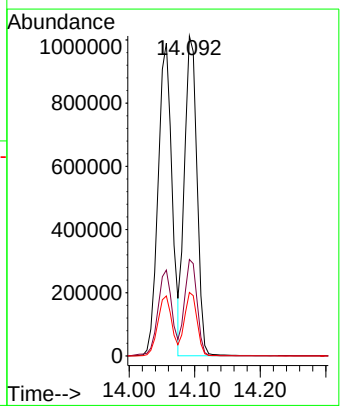
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

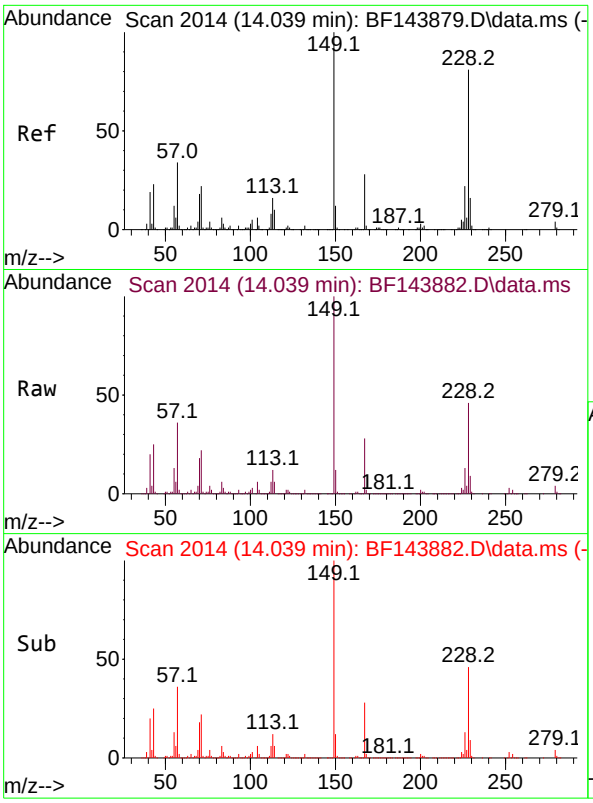


#83
Chrysene
Concen: 73.645 ng
RT: 14.092 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

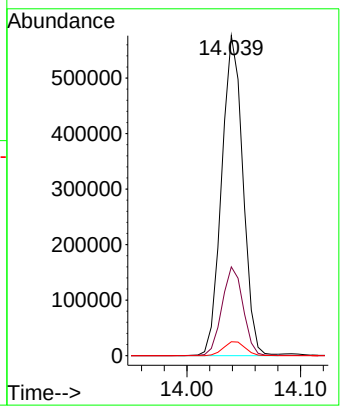
Tgt Ion:149 Resp: 74932

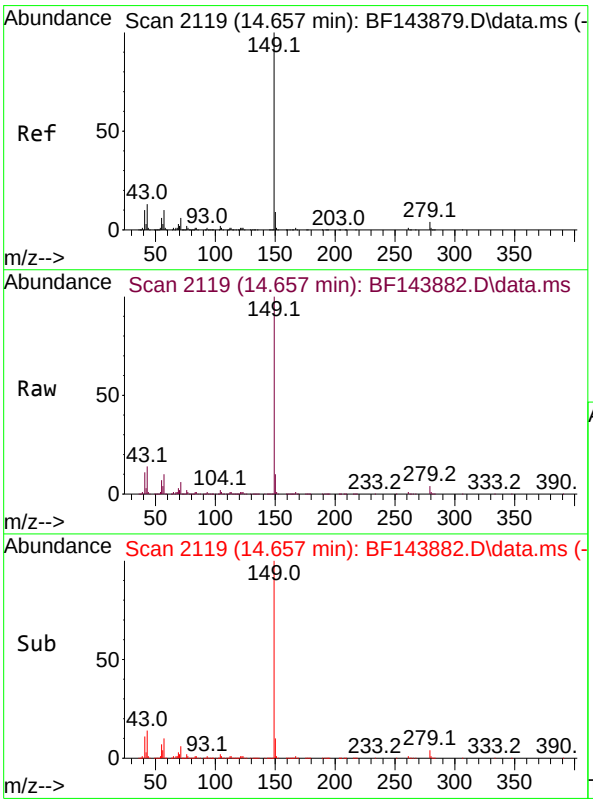
Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.4
279	4.3	3.1	4.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

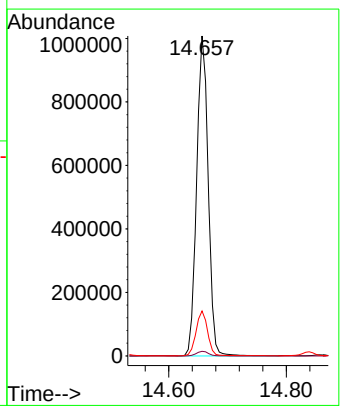


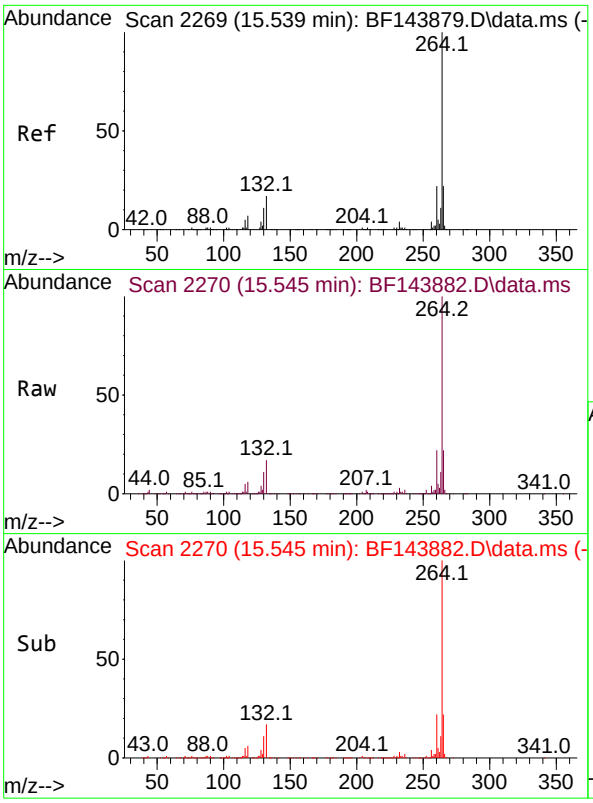


#85
Di-n-octyl phthalate
Concen: 84.532 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

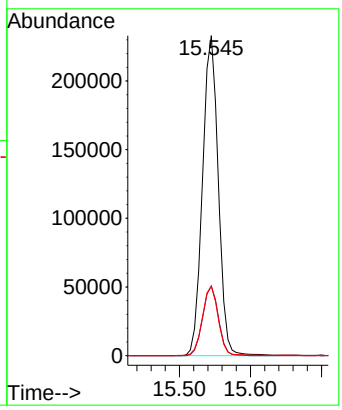




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:264 Resp: 35791

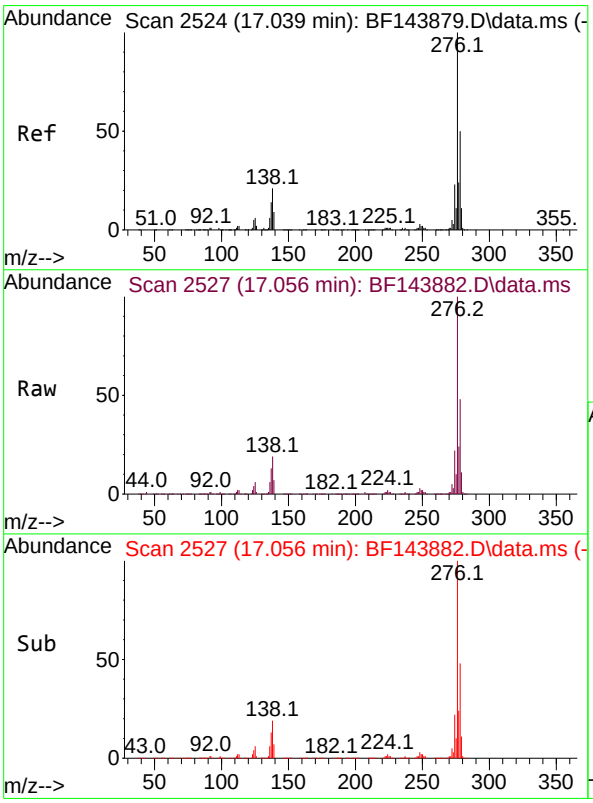
Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.8	26.8
265	21.7	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

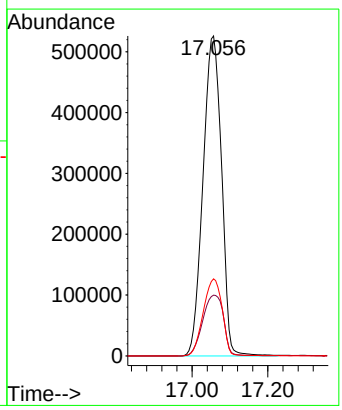
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

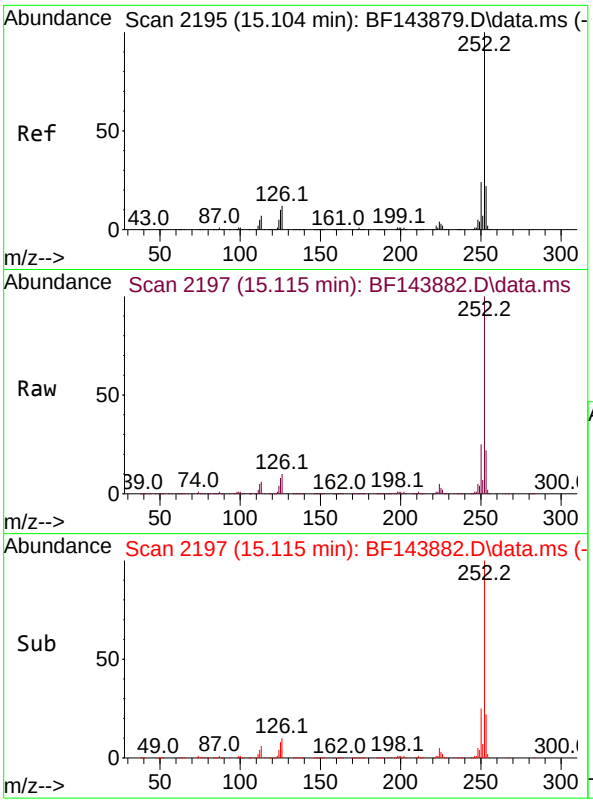


#87
Indeno(1,2,3-cd)pyrene
Concen: 81.478 ng
RT: 17.056 min Scan# 2527
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

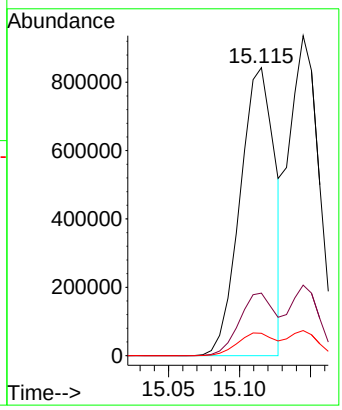




#88
Benzo(b)fluoranthene
Concen: 69.645 ng
RT: 15.115 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 143187

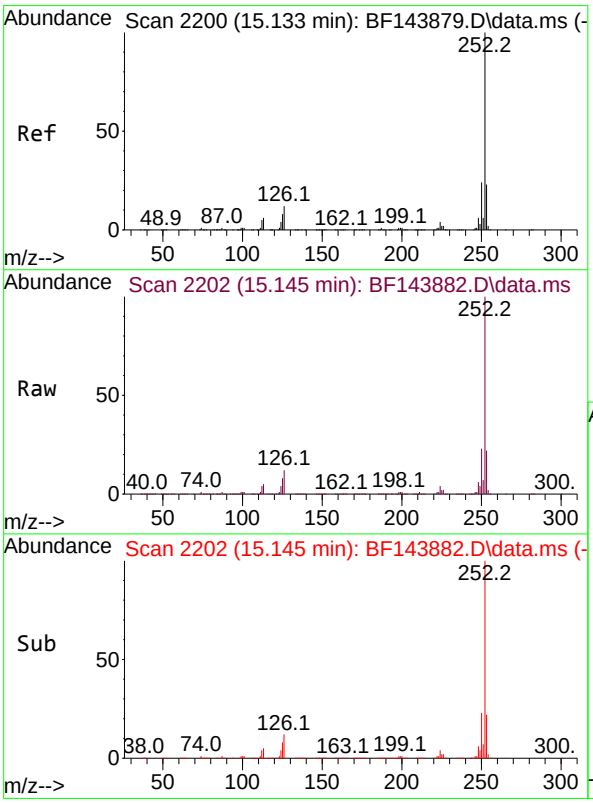
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	7.8	7.8	11.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

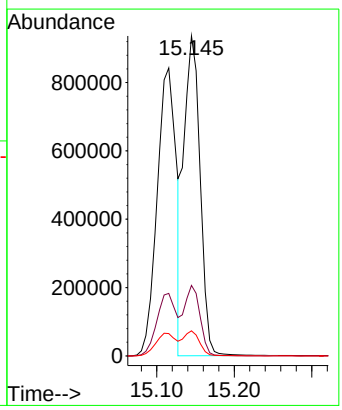
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

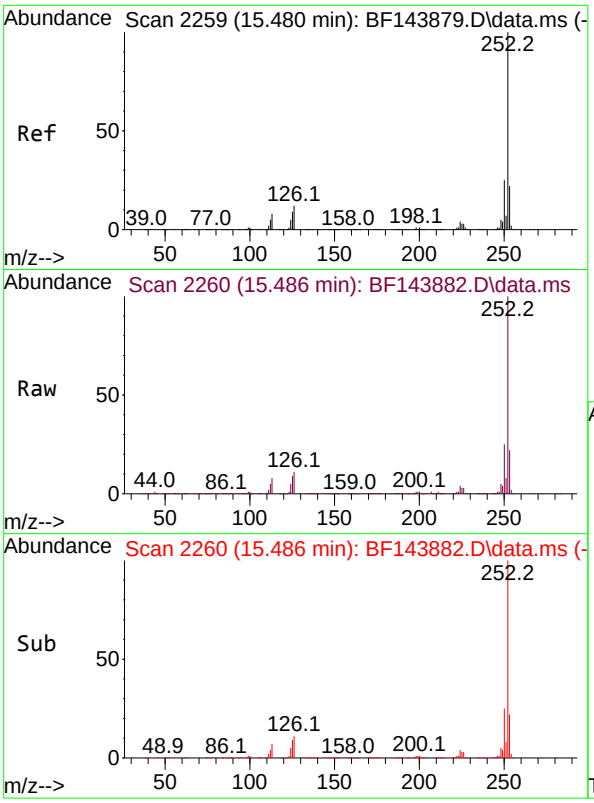


#89
Benzo(k)fluoranthene
Concen: 71.595 ng
RT: 15.145 min Scan# 2202
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

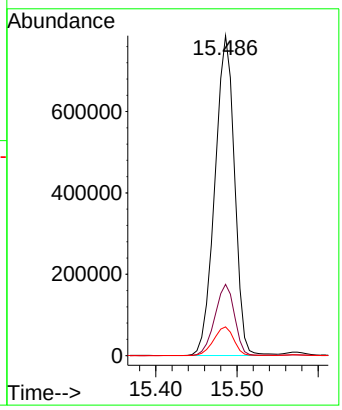




#90
Benzo(a)pyrene
Concen: 74.151 ng
RT: 15.486 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

Tgt Ion:252 Resp: 132189

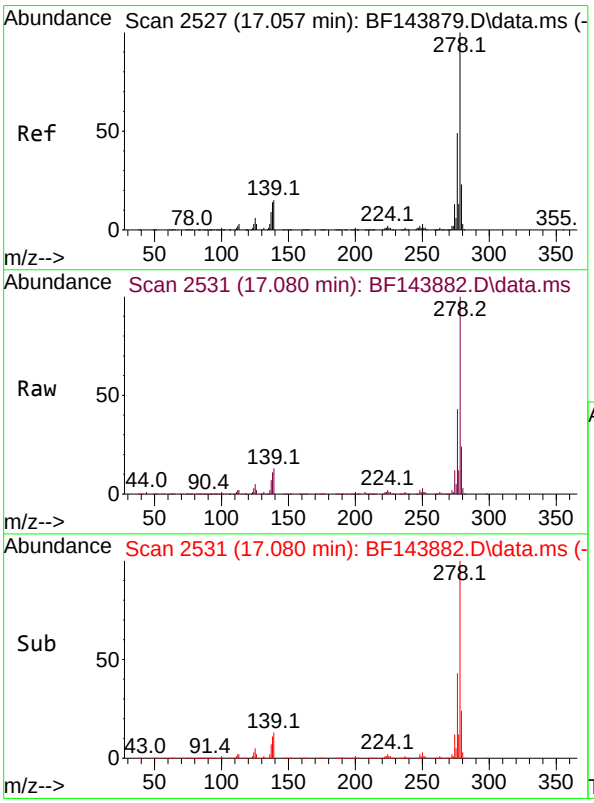
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	9.0	7.0	10.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

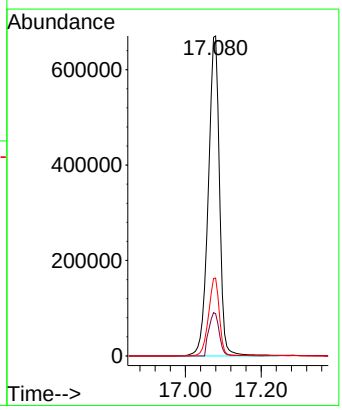
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

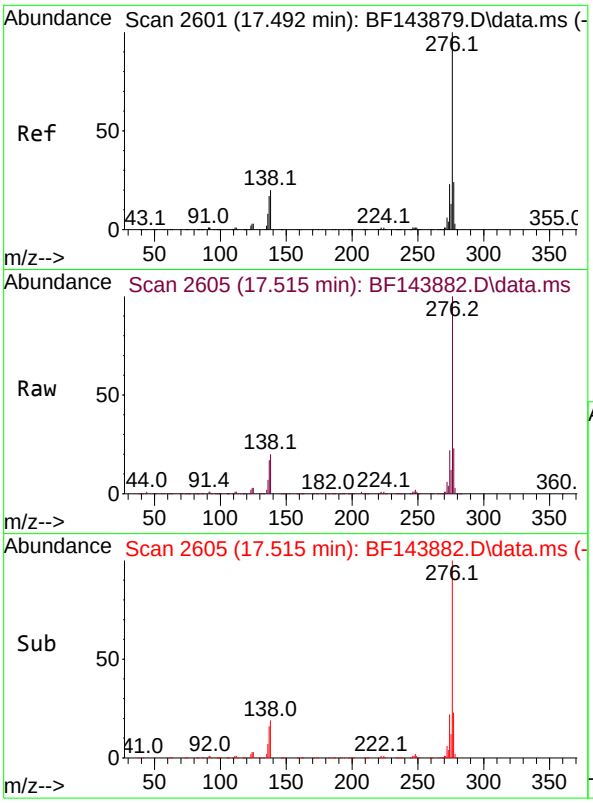


#91
Dibenzo(a,h)anthracene
Concen: 78.895 ng
RT: 17.080 min Scan# 2531
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

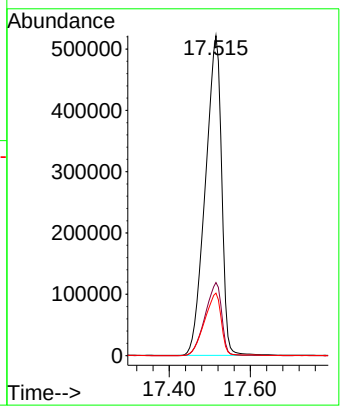




#92
Benzo(g,h,i)perylene
Concen: 82.305 ng
RT: 17.515 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143882.D
Acq: 06 Oct 2025 14:22

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

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)
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

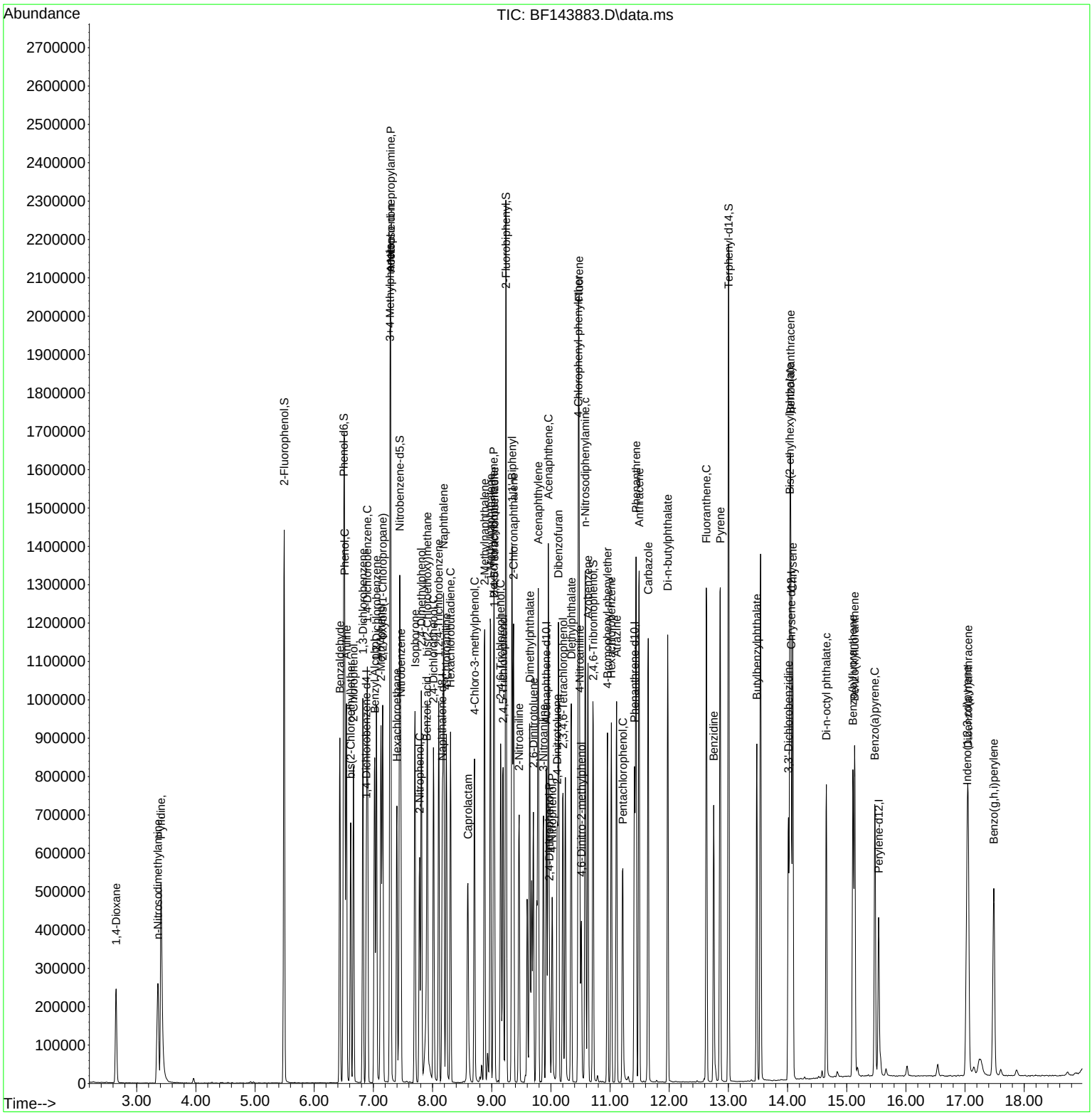
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143883.D
Acq On : 06 Oct 2025 16:08
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

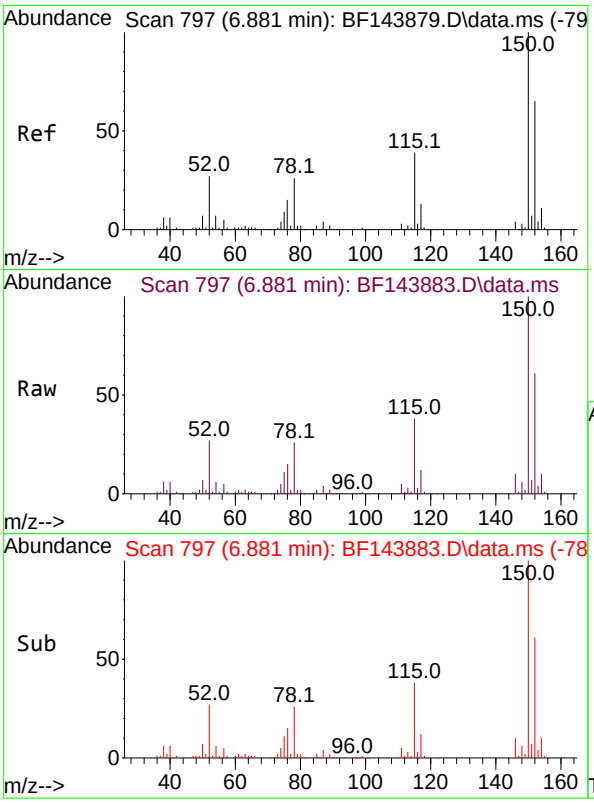
Quant Time: Oct 06 16:37:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

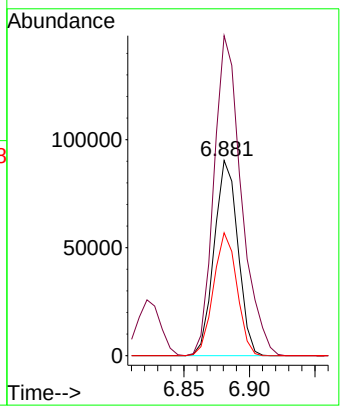




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:152 Resp: 114039

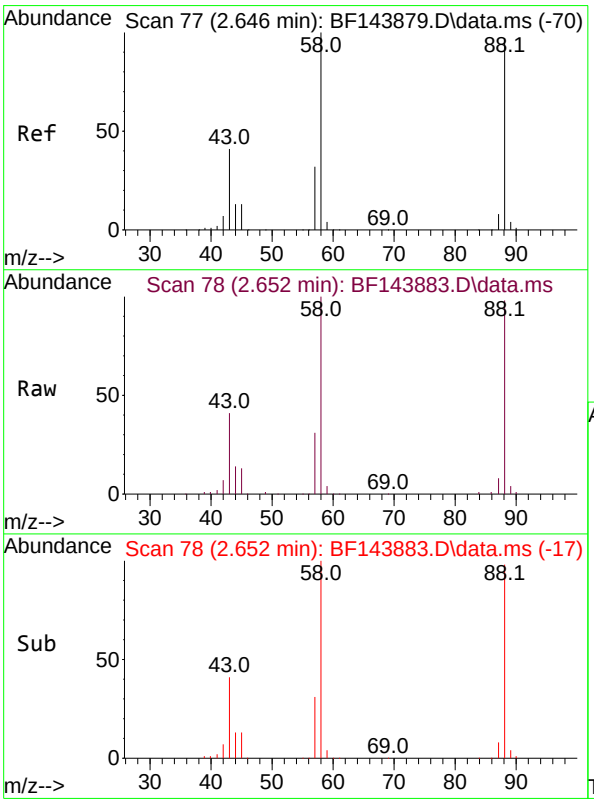
Ion	Ratio	Lower	Upper
152	100		
150	164.0	124.4	186.6
115	62.9	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

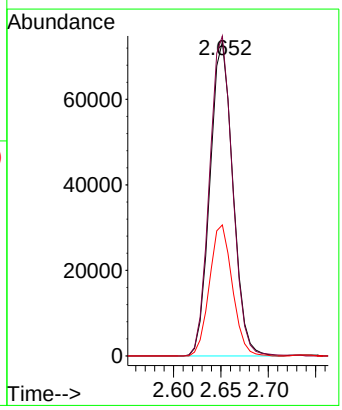
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

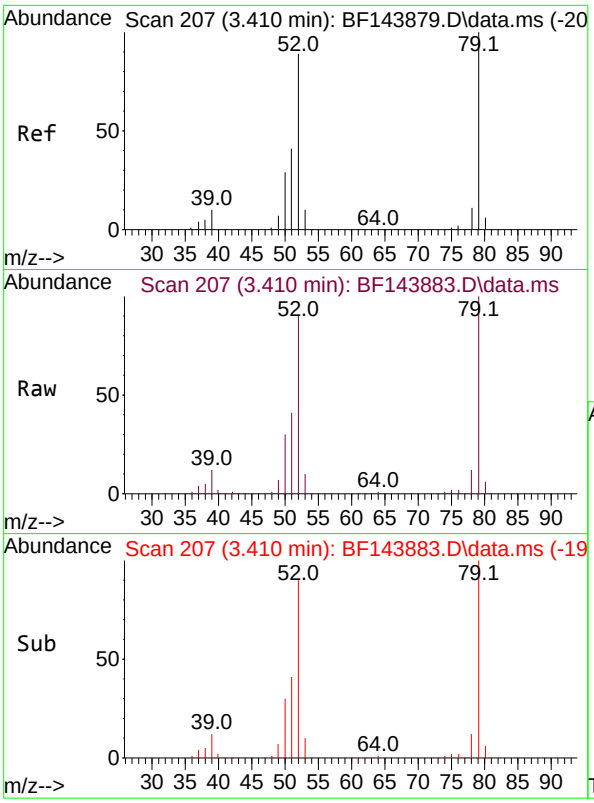


#2
1,4-Dioxane
Concen: 37.256 ng
RT: 2.652 min Scan# 78
Delta R.T. 0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

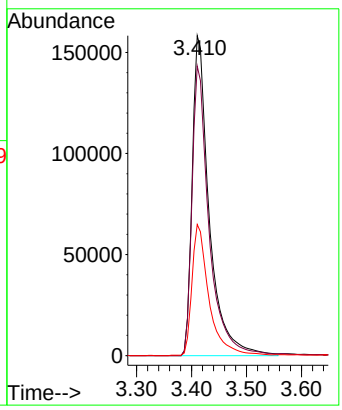




#3
Pyridine
Concen: 35.261 ng
RT: 3.410 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 79 Resp: 34112

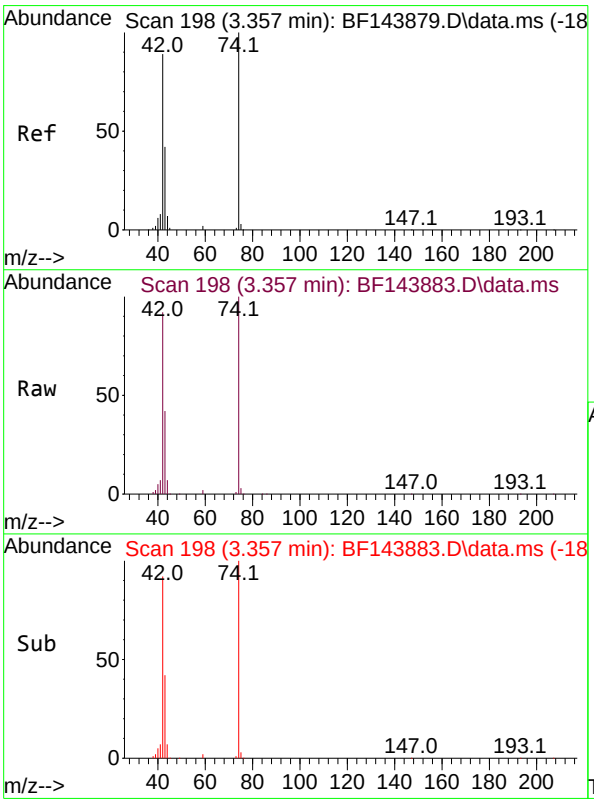
Ion	Ratio	Lower	Upper
79	100		
52	90.5	71.5	107.3
51	41.0	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

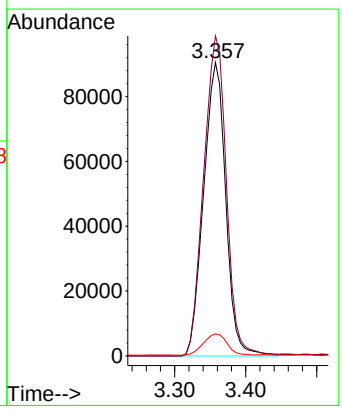
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

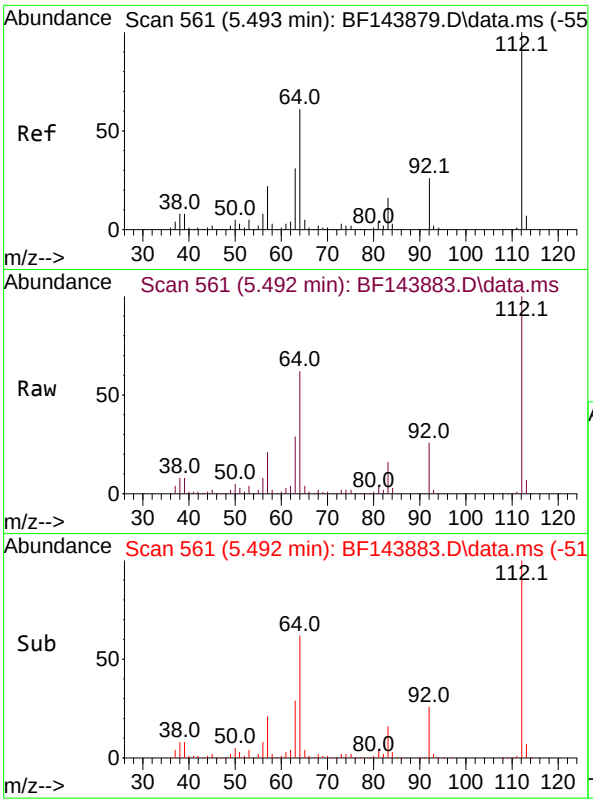


#4
n-Nitrosodimethylamine
Concen: 38.456 ng
RT: 3.357 min Scan# 198
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

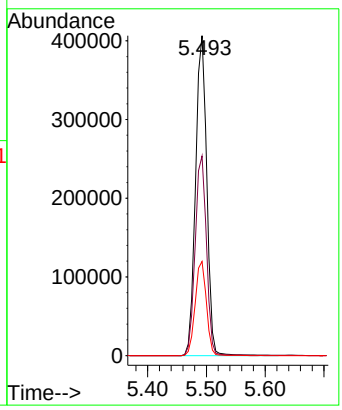




#5
2-Fluorophenol
Concen: 74.908 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:112 Resp: 53794

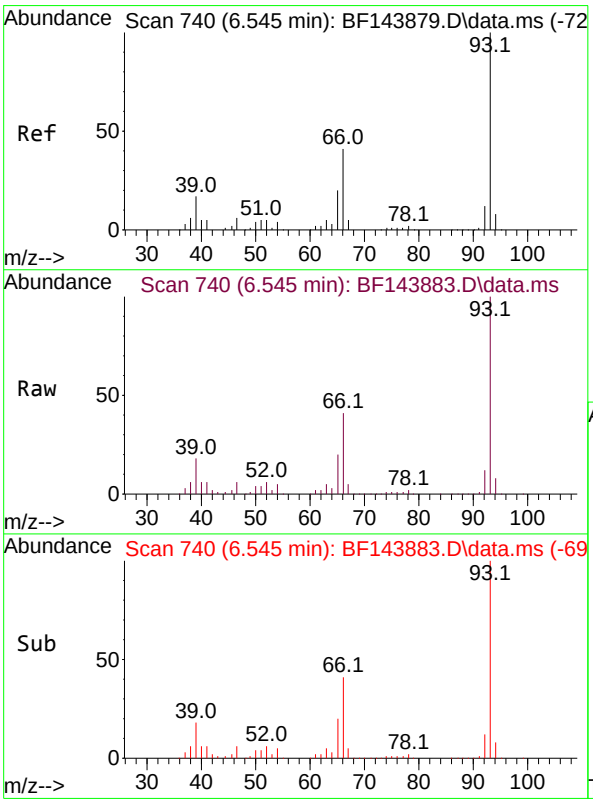
Ion	Ratio	Lower	Upper
112	100		
64	62.4	49.1	73.7
63	29.4	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

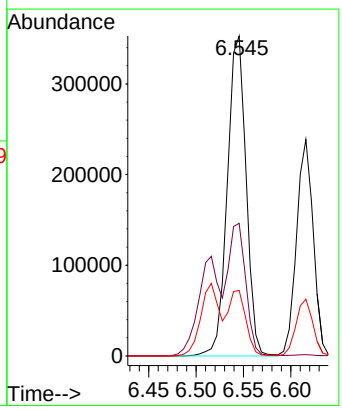
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

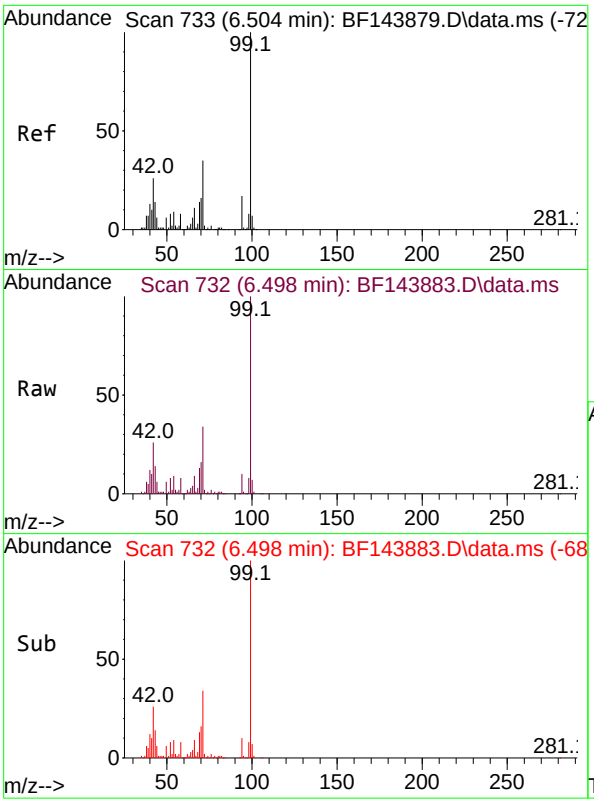


#6
Aniline
Concen: 37.937 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

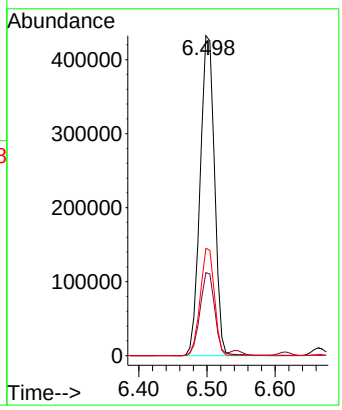




#7
Phenol-d6
Concen: 74.487 ng
RT: 6.498 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 99 Resp: 63759

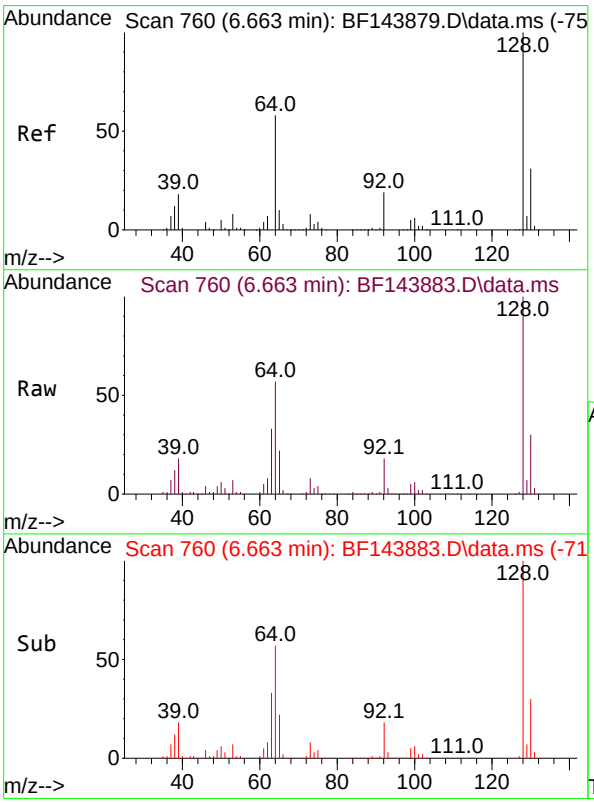
Ion	Ratio	Lower	Upper
99	100		
42	25.9	21.0	31.4
71	33.5	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

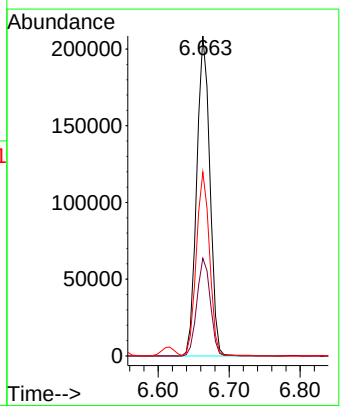
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

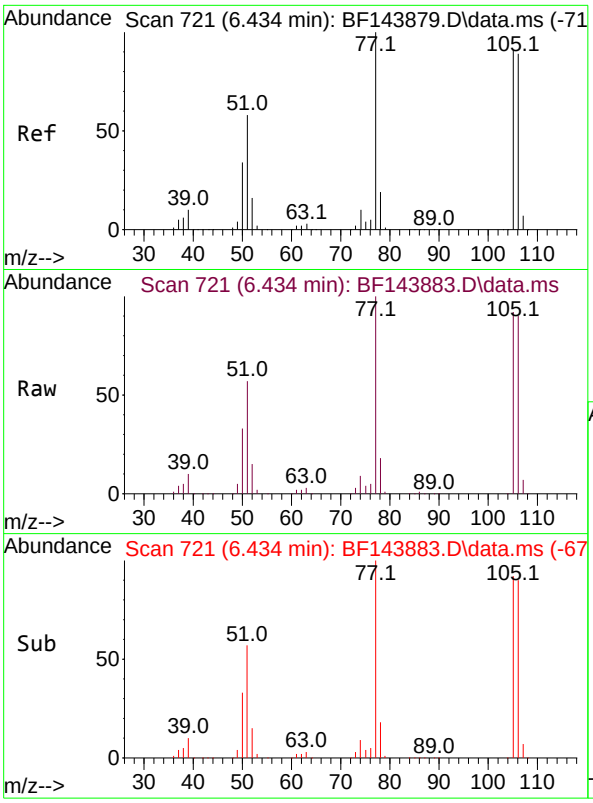


#8
2-Chlorophenol
Concen: 38.116 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

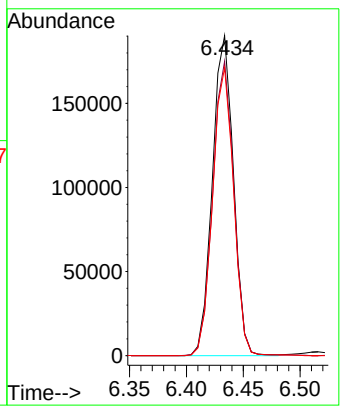




#9
Benzaldehyde
Concen: 37.141 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 24524

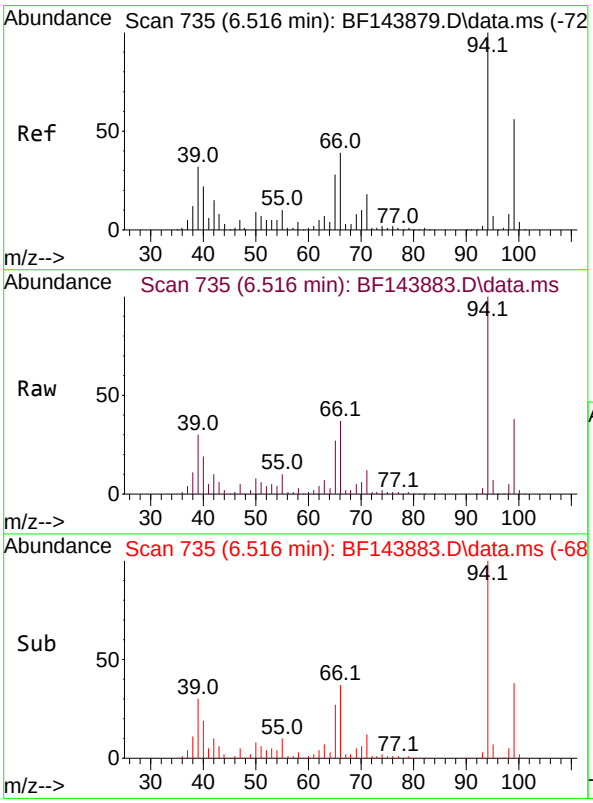
Ion	Ratio	Lower	Upper
77	100		
105	92.0	70.9	110.9
106	90.0	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

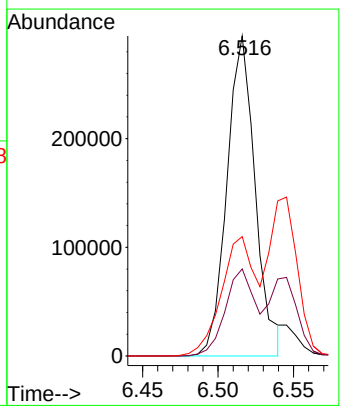
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

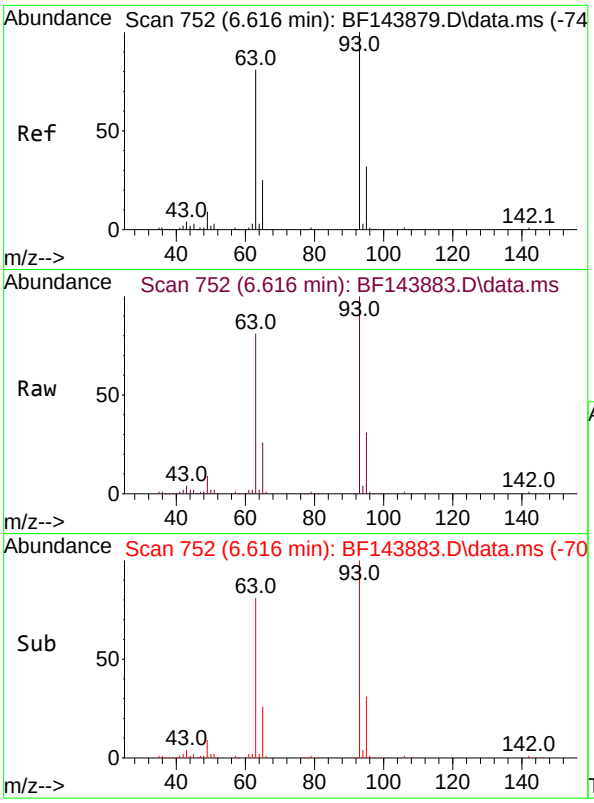


#10
Phenol
Concen: 37.501 ng m
RT: 6.516 min Scan# 735
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

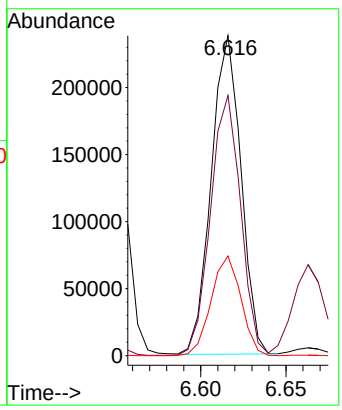




#11
bis(2-Chloroethyl)ether
Concen: 36.561 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 93 Resp: 28902

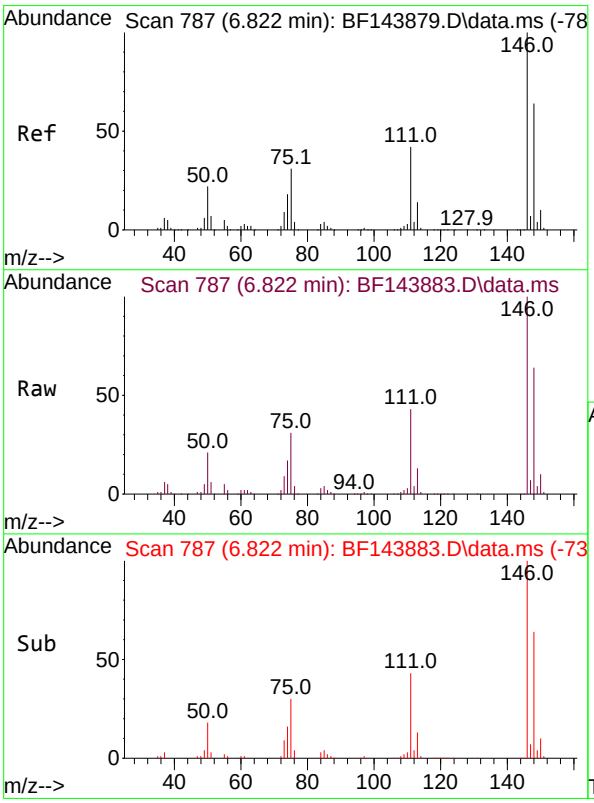
Ion	Ratio	Lower	Upper
93	100		
63	81.3	60.9	100.9
95	31.1	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

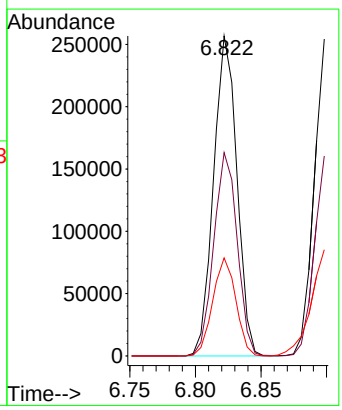
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

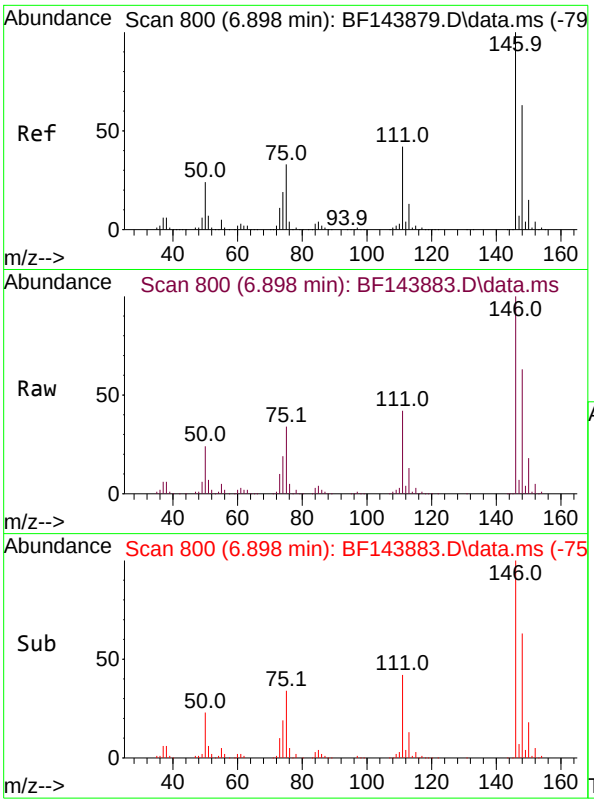


#12
1,3-Dichlorobenzene
Concen: 37.828 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

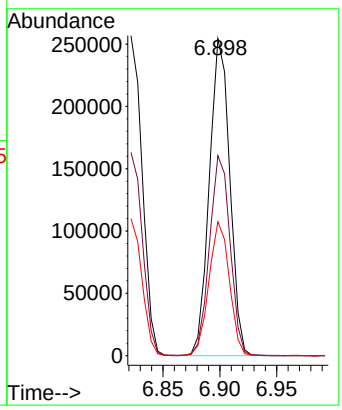




#13
1,4-Dichlorobenzene
Concen: 38.392 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:146 Resp: 31822

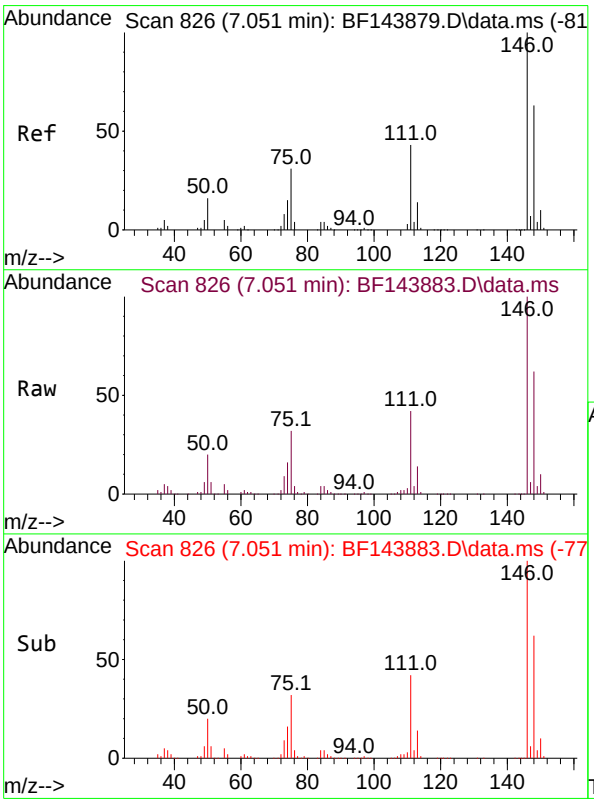
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	42.2	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

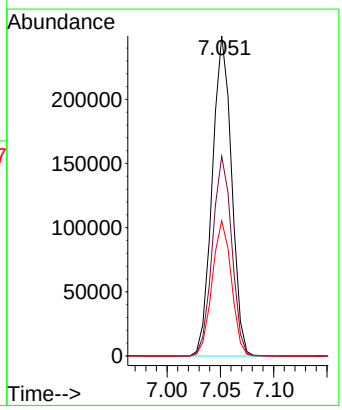
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

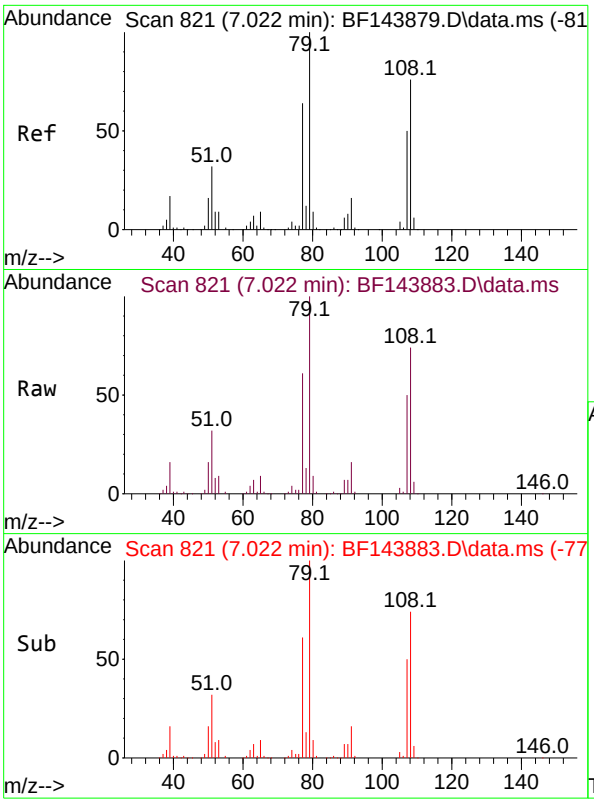


#14
1,2-Dichlorobenzene
Concen: 39.655 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

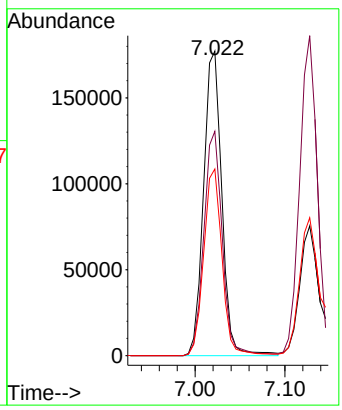
Tgt Ion: 79 Resp: 24995

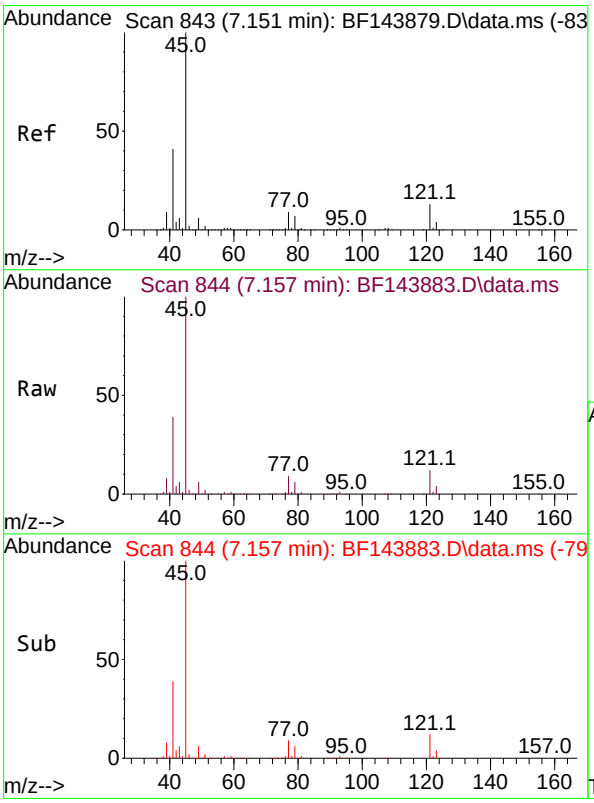
Ion	Ratio	Lower	Upper
79	100		
108	73.6	60.8	91.2
77	61.3	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

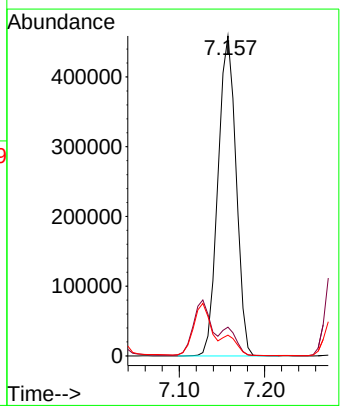


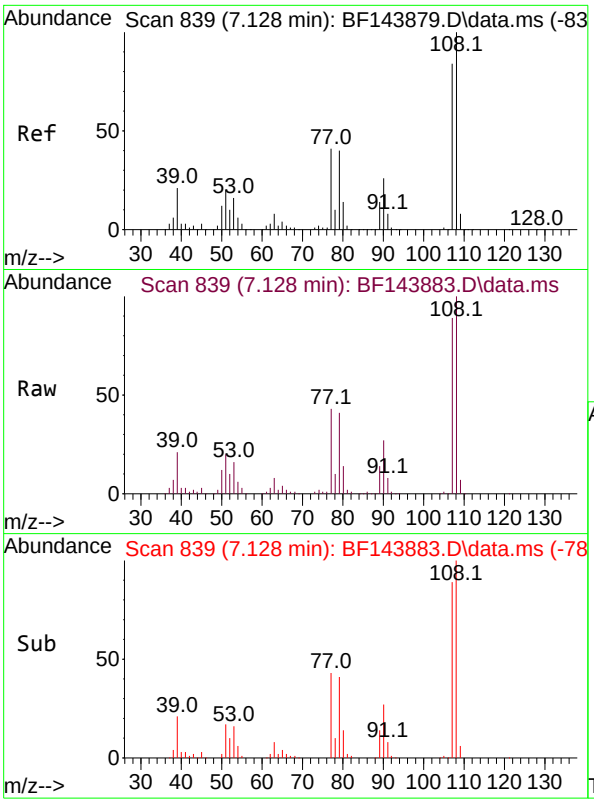


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.568 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

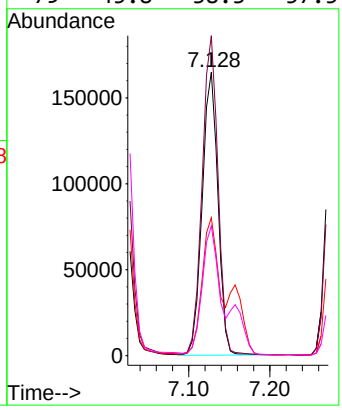




#17
2-Methylphenol
Concen: 38.352 ng
RT: 7.128 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:107 Resp: 22249

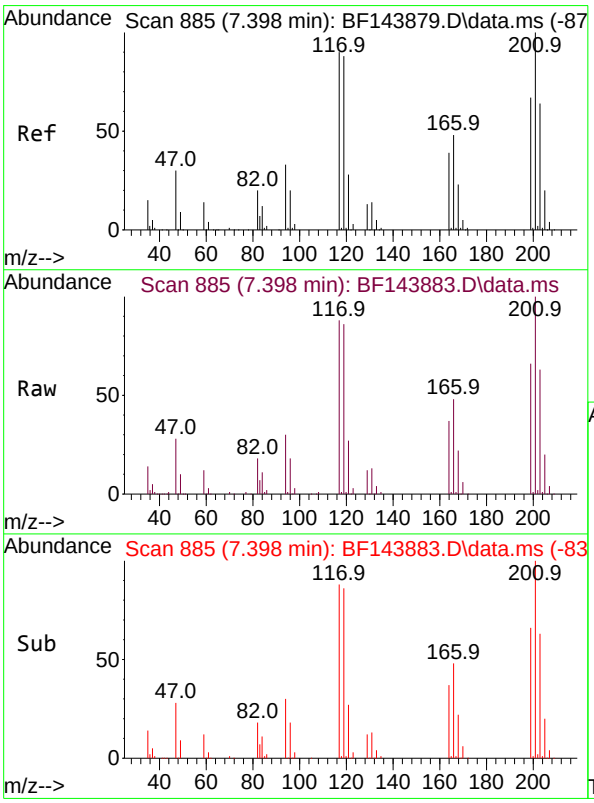
Ion	Ratio	Lower	Upper
107	100		
108	112.9	94.7	142.1
77	48.7	38.8	58.2
79	45.8	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

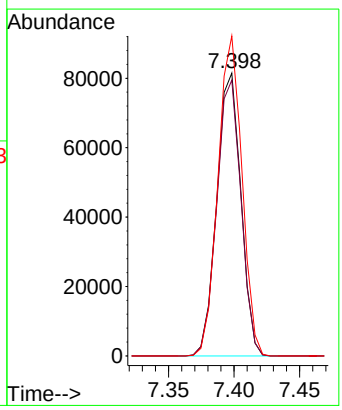
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

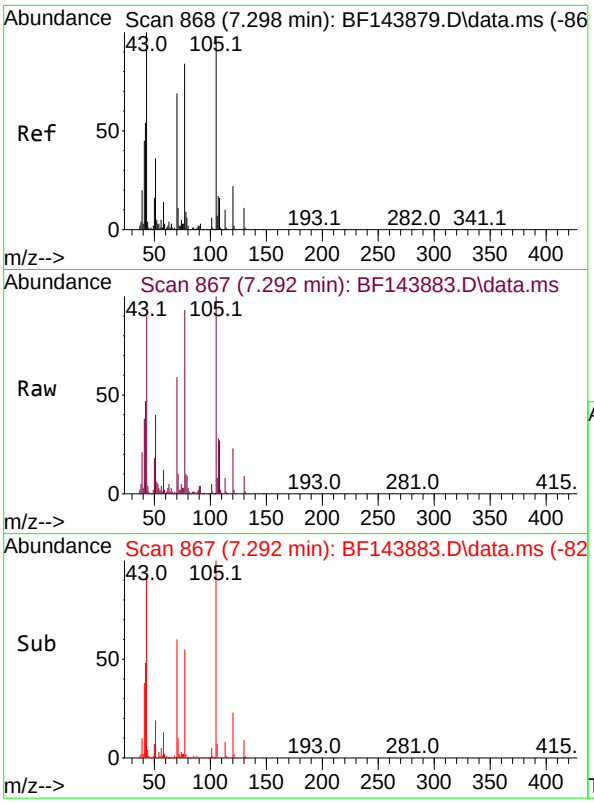


#18
Hexachloroethane
Concen: 37.755 ng
RT: 7.398 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

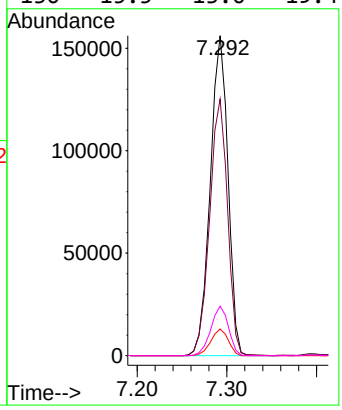




#19
n-Nitroso-di-n-propylamine
Concen: 36.612 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 70 Resp: 21451

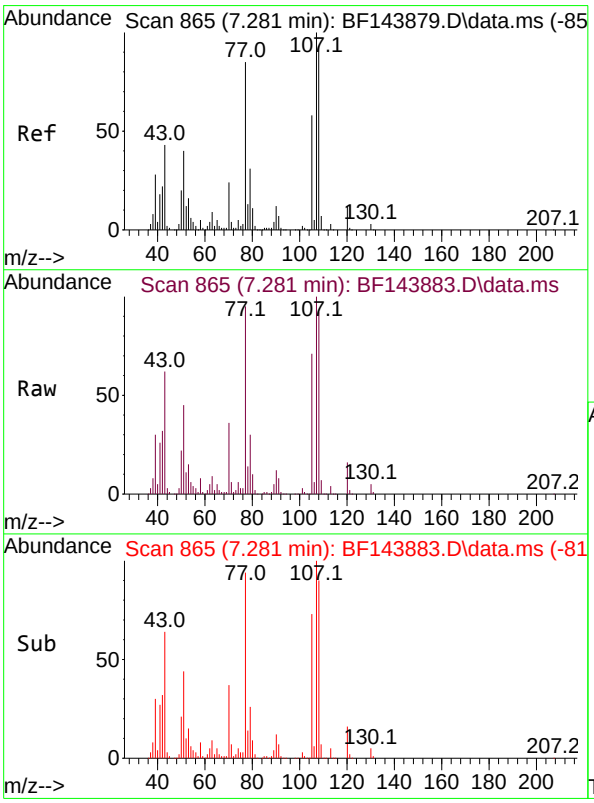
Ion	Ratio	Lower	Upper
70	100		
42	80.2	62.8	94.2
101	8.3	6.7	10.1
130	15.5	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

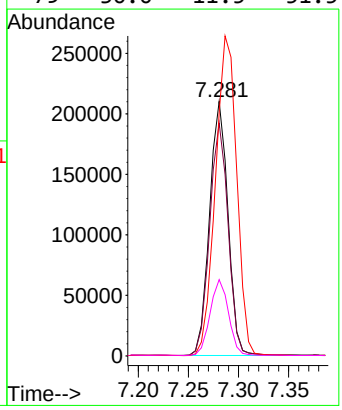
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

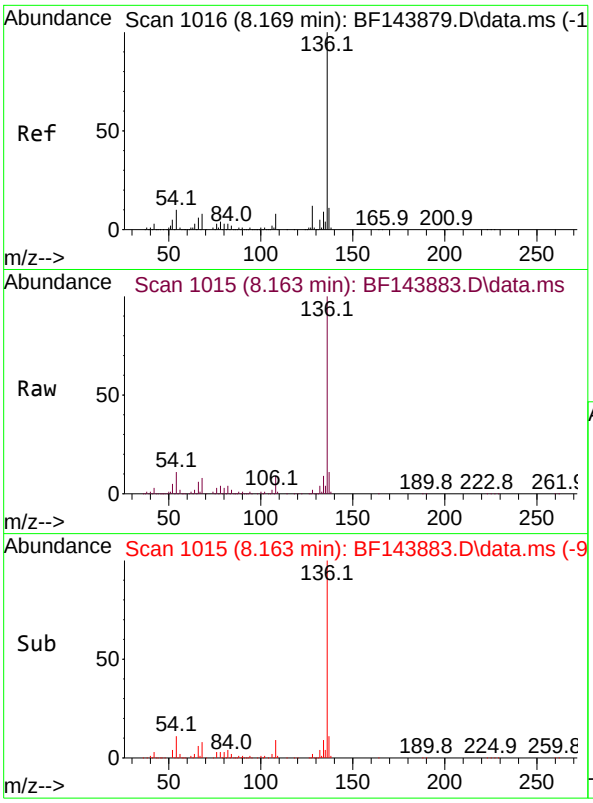


#20
3+4-Methylphenols
Concen: 39.880 ng
RT: 7.281 min Scan# 865
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

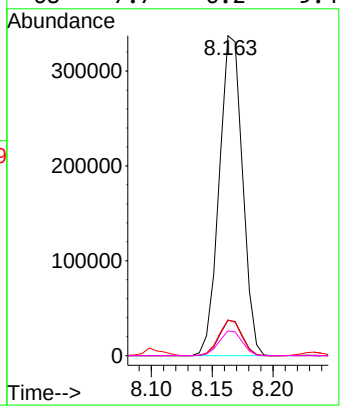




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:136 Resp: 44897

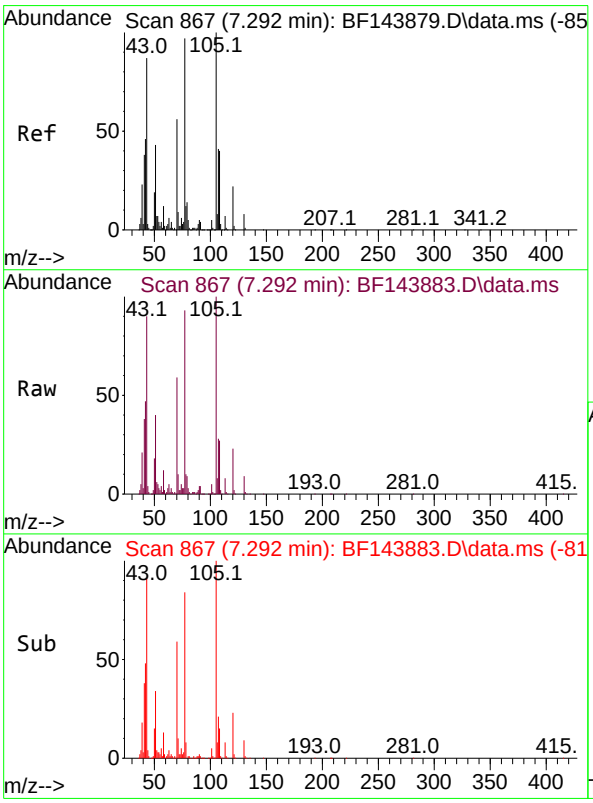
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	11.2	8.2	12.4
68	7.7	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

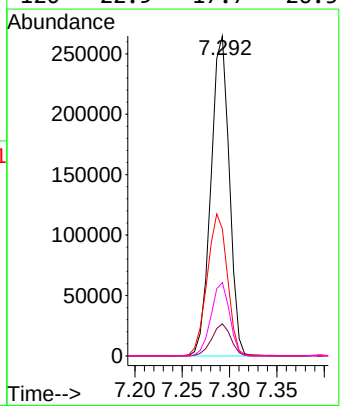
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

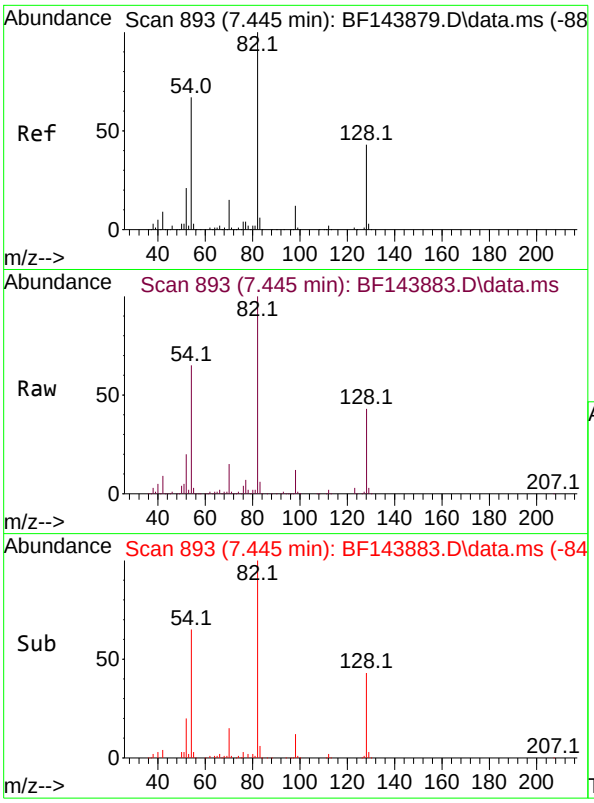


#22
Acetophenone
Concen: 37.713 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

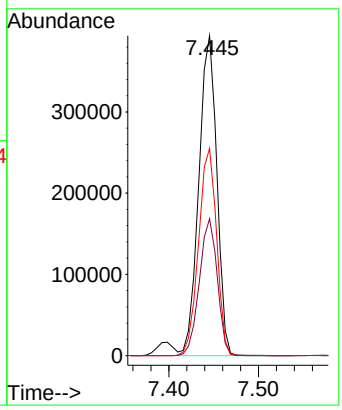
Tgt Ion: 82 Resp: 549291

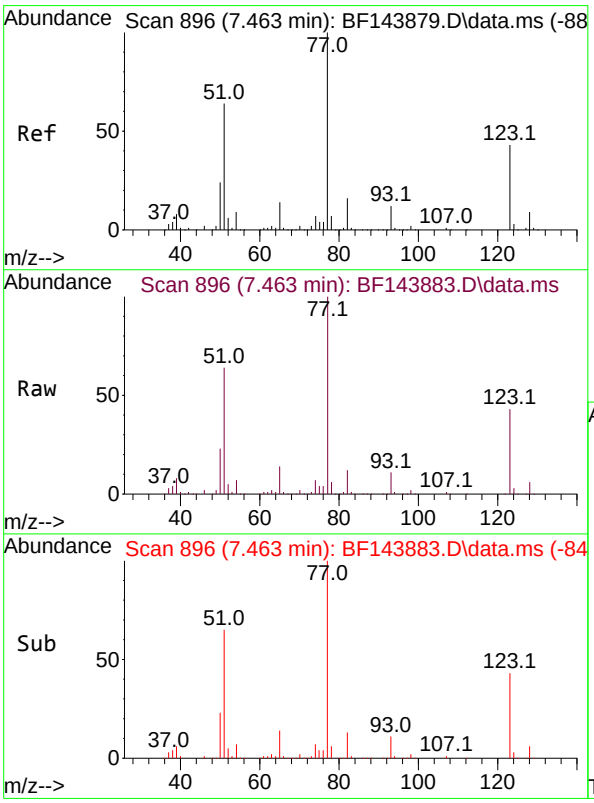
Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	64.8	53.2	79.8

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

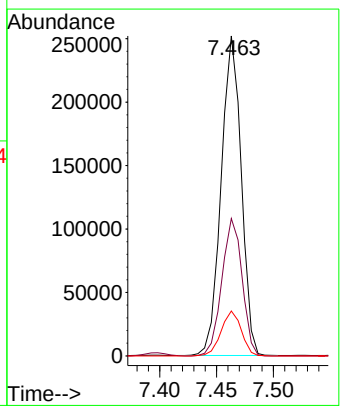


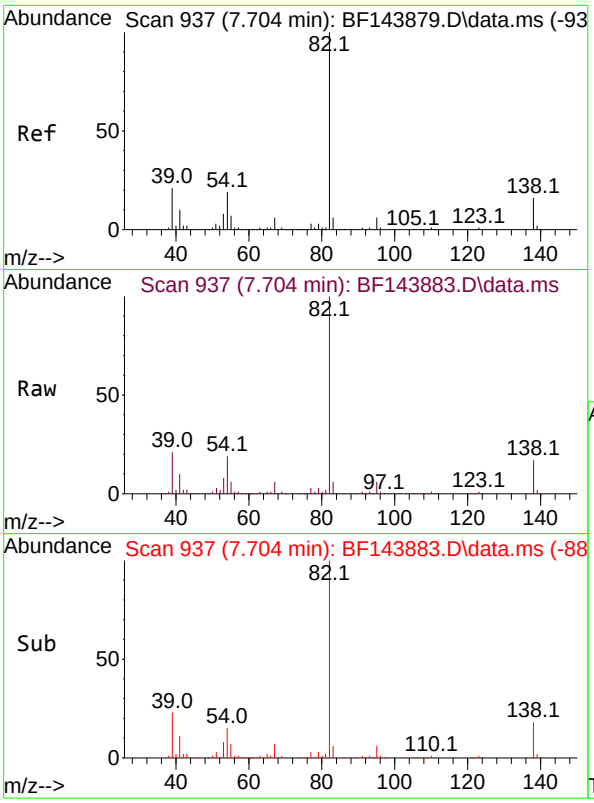


#24
Nitrobenzene
Concen: 37.727 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

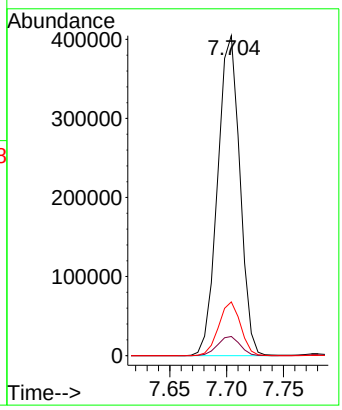




#25
Isophorone
Concen: 35.347 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 82 Resp: 55077

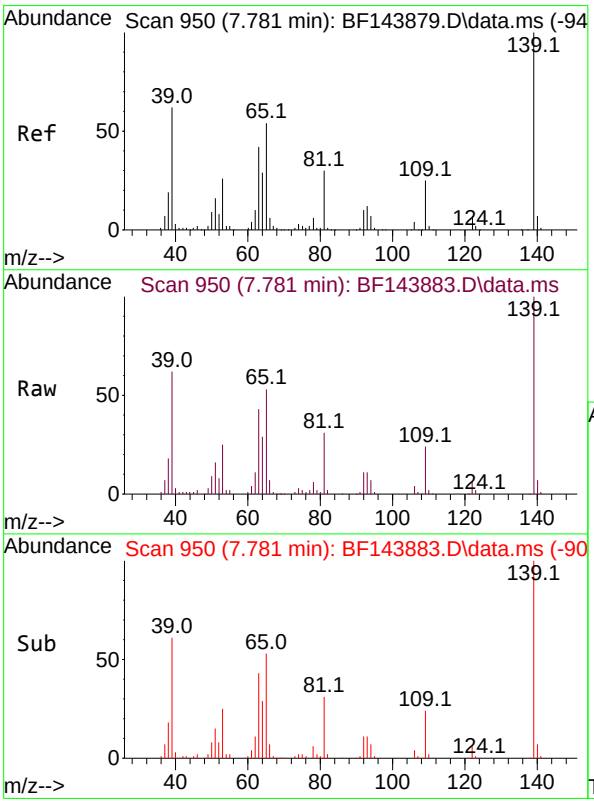
Ion	Ratio	Lower	Upper
82	100		
95	6.0	5.1	7.7
138	16.8	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

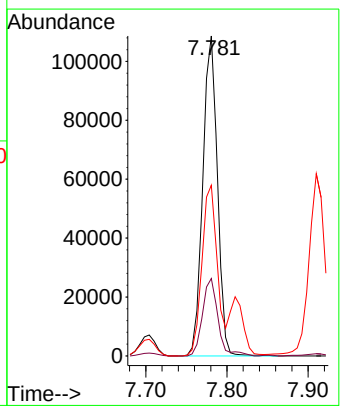
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

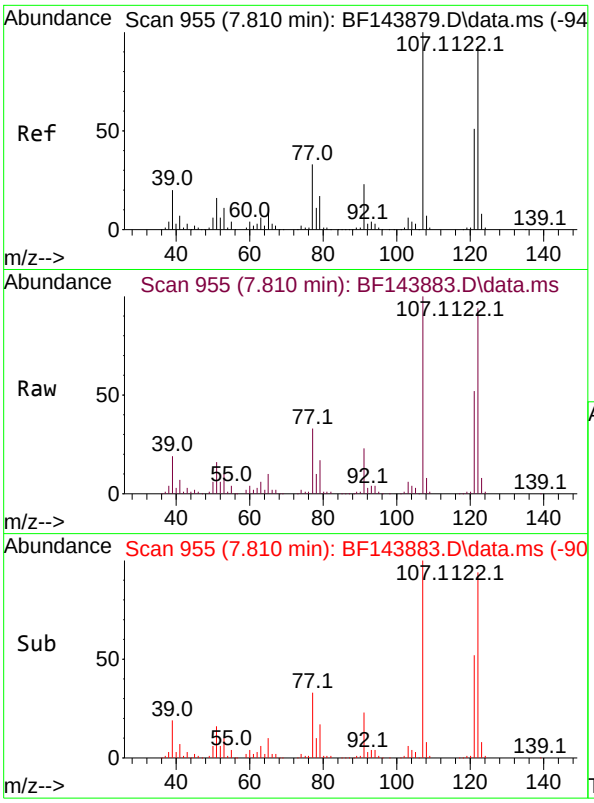


#26
2-Nitrophenol
Concen: 38.717 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

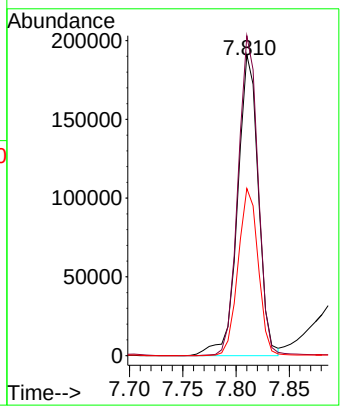




#27
2,4-Dimethylphenol
Concen: 40.847 ng
RT: 7.810 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:122 Resp: 25852

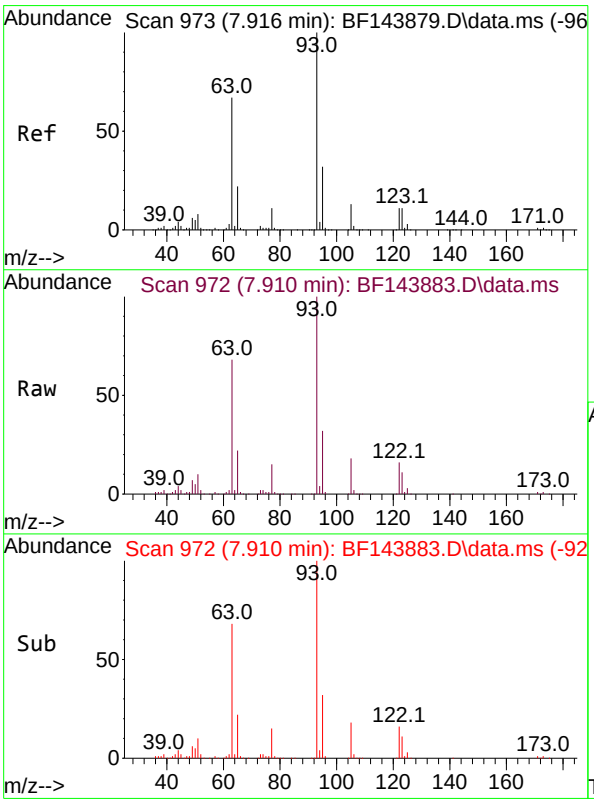
Ion	Ratio	Lower	Upper
122	100		
107	106.3	86.1	129.1
121	55.5	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

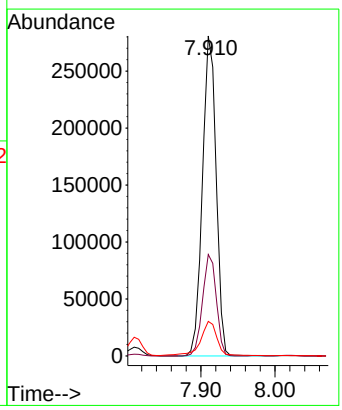
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

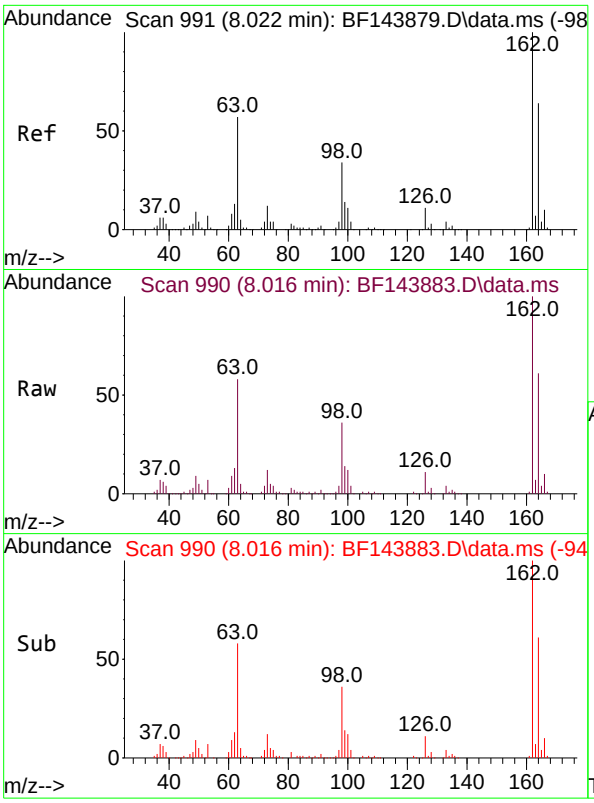


#28
bis(2-Chloroethoxy)methane
Concen: 36.639 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

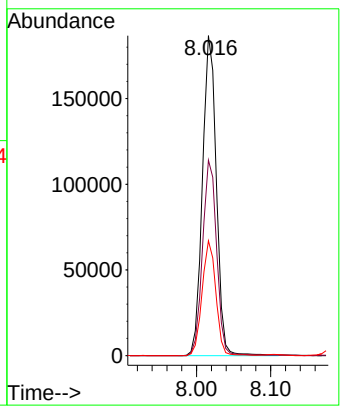




#29
2,4-Dichlorophenol
Concen: 36.899 ng
RT: 8.016 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:162 Resp: 24326

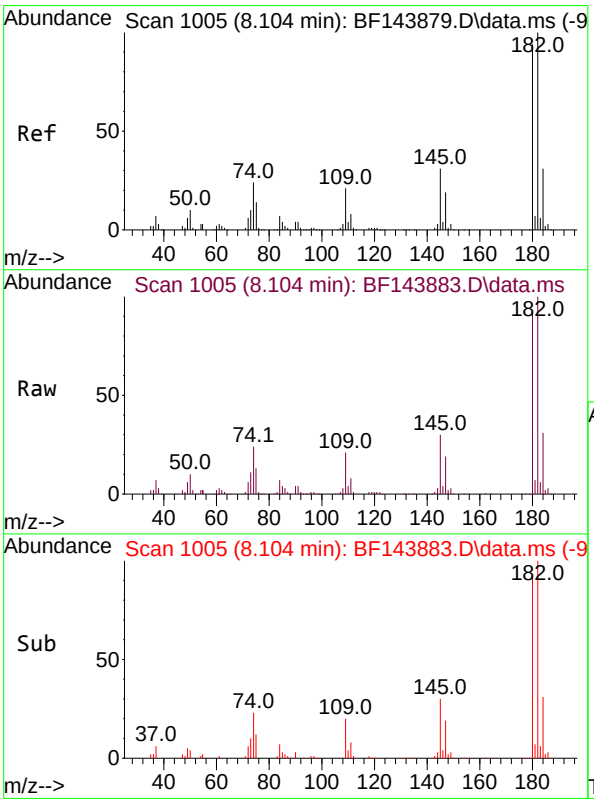
Ion	Ratio	Lower	Upper
162	100		
164	61.1	43.9	83.9
98	35.9	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

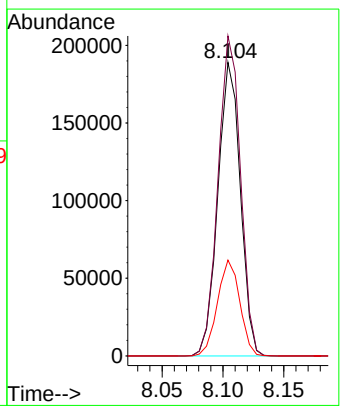
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

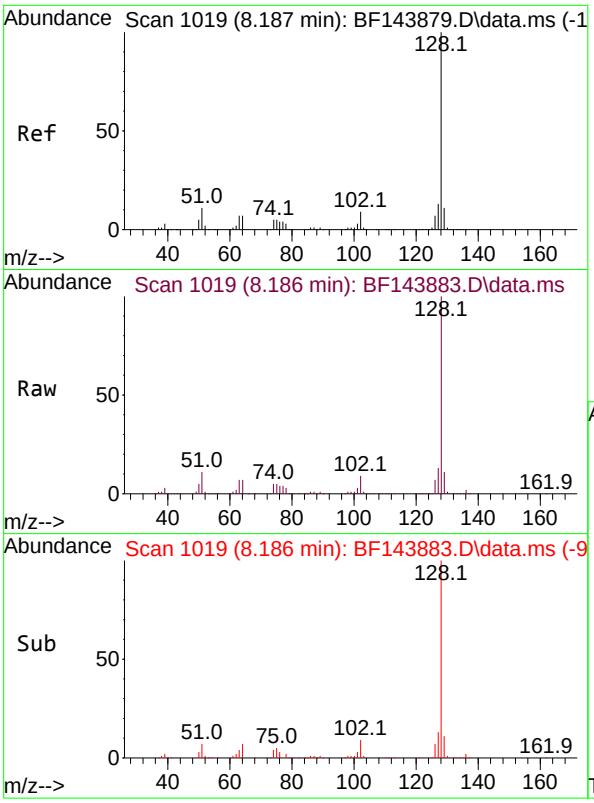


#30
1,2,4-Trichlorobenzene
Concen: 37.503 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

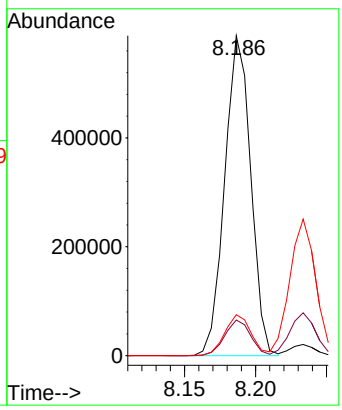




#31
Naphthalene
Concen: 36.679 ng
RT: 8.186 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:128 Resp: 74911

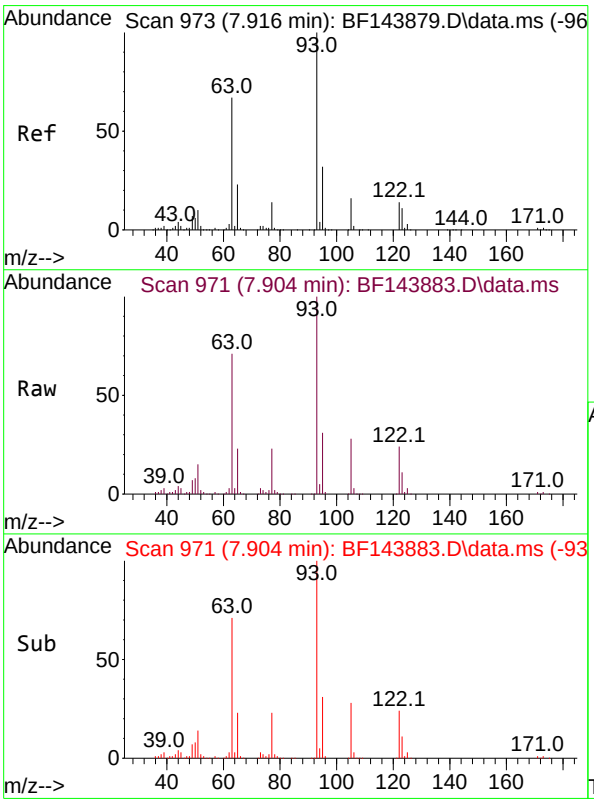
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.8	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

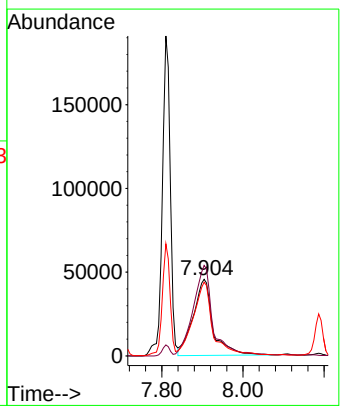
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

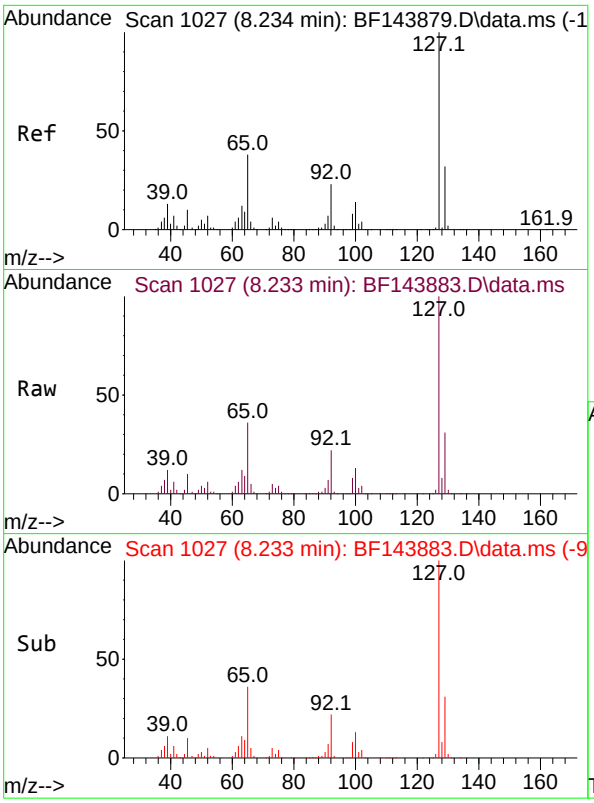


#32
Benzoic acid
Concen: 35.162 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.059 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

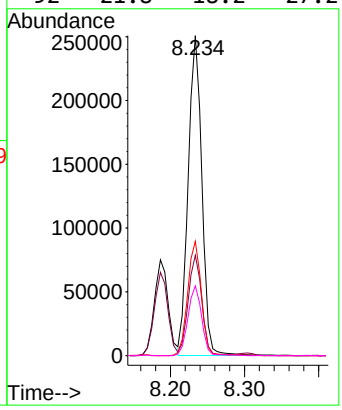




#33
4-Chloroaniline
Concen: 41.950 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:127 Resp: 32132

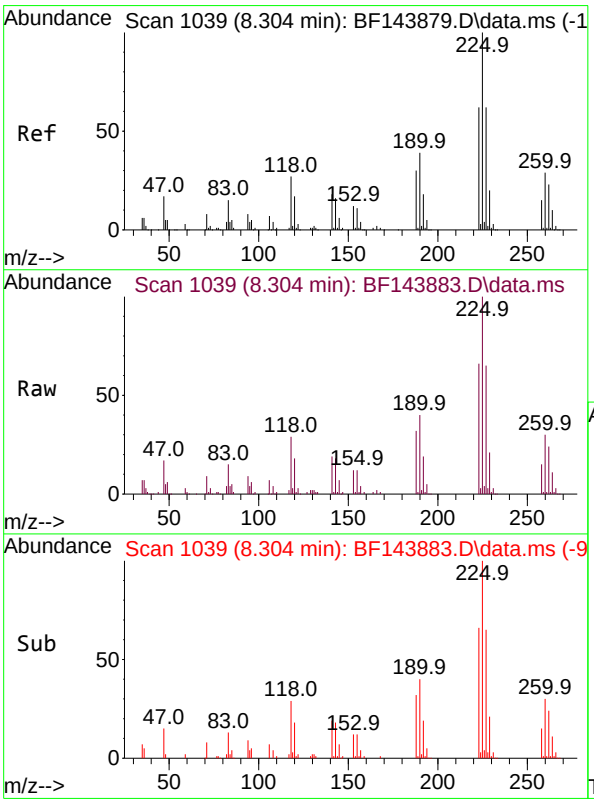
Ion	Ratio	Lower	Upper
127	100		
129	31.3	25.8	38.8
65	35.7	30.0	45.0
92	21.8	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

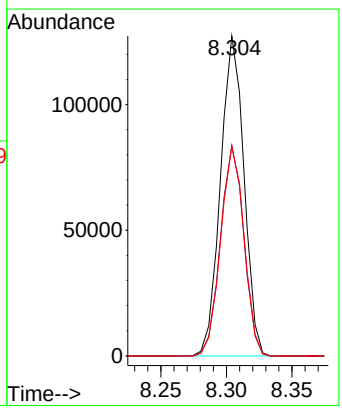
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

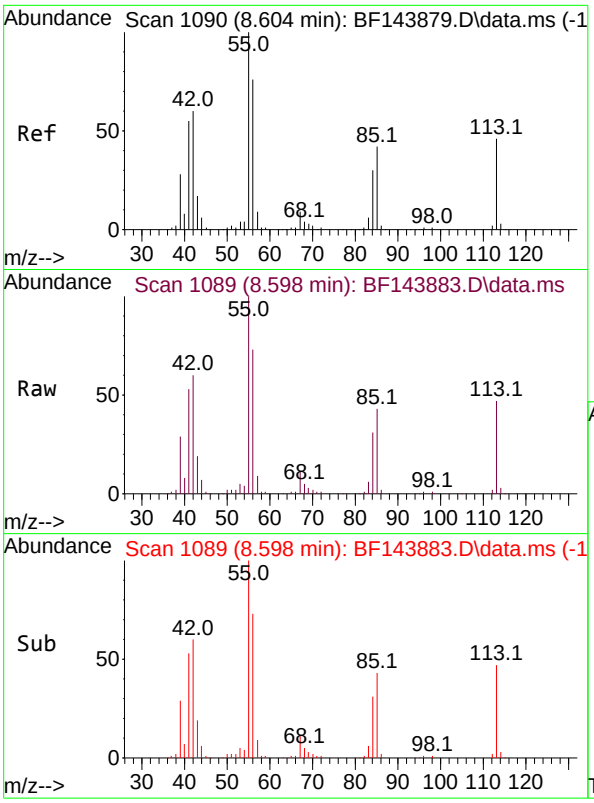


#34
Hexachlorobutadiene
Concen: 35.201 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

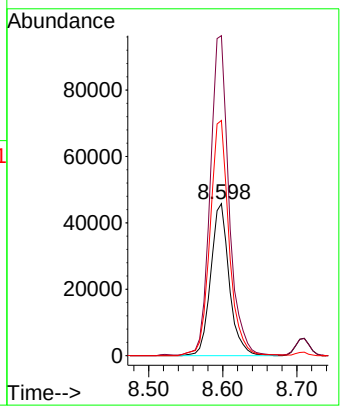
Tgt Ion:113 Resp: 7910

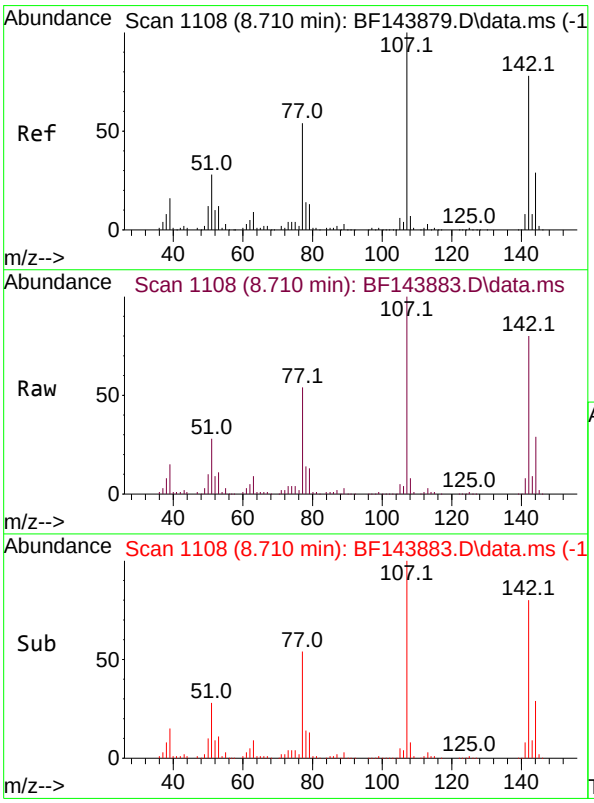
Ion	Ratio	Lower	Upper
113	100		
55	210.6	199.6	239.6
56	154.8	146.0	186.0

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

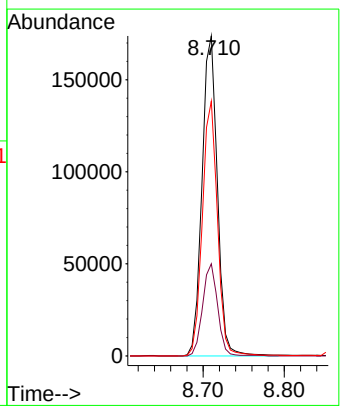


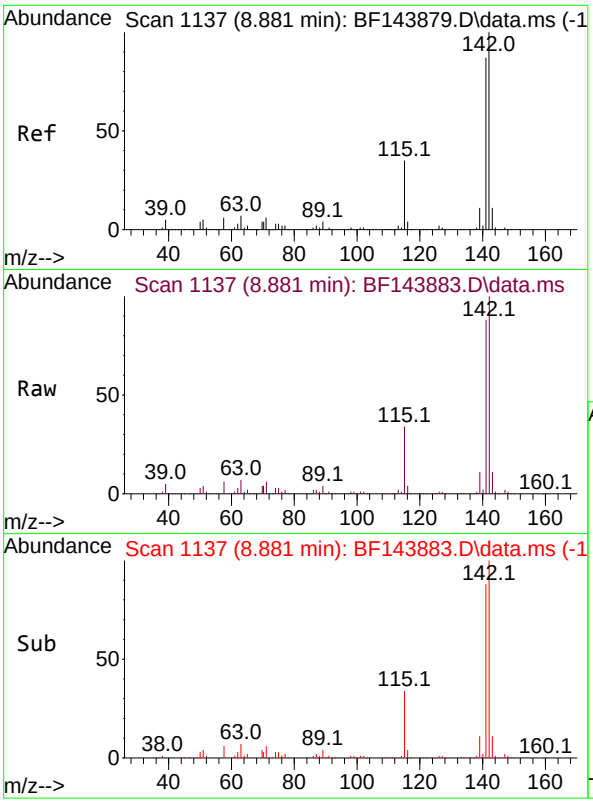


#36
4-Chloro-3-methylphenol
Concen: 36.079 ng
RT: 8.710 min Scan# 1108
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

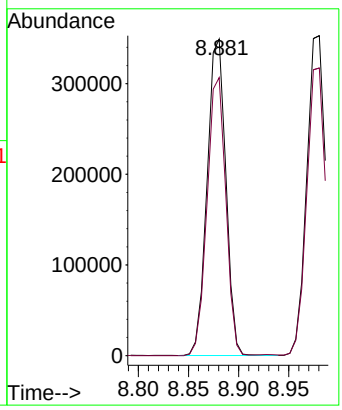




#37
2-Methylnaphthalene
Concen: 33.257 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:142 Resp: 45244

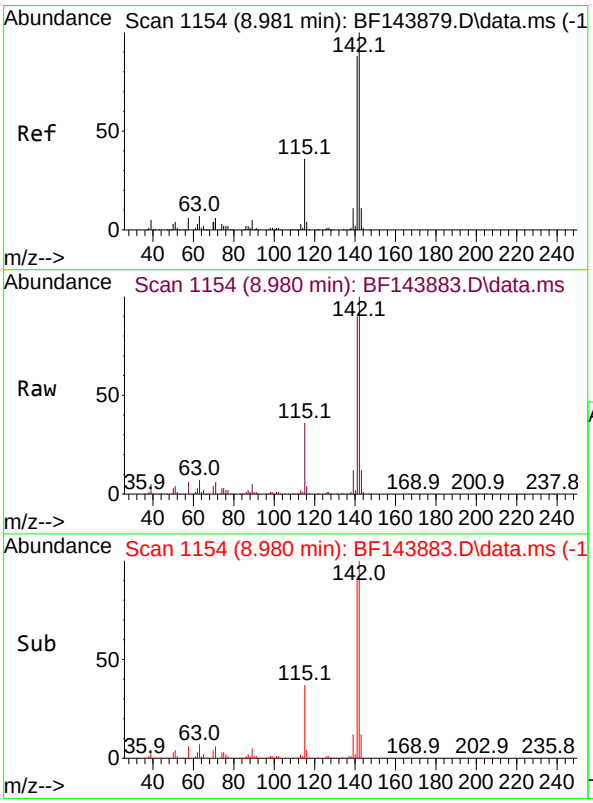
Ion	Ratio	Lower	Upper
142	100		
141	87.8	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

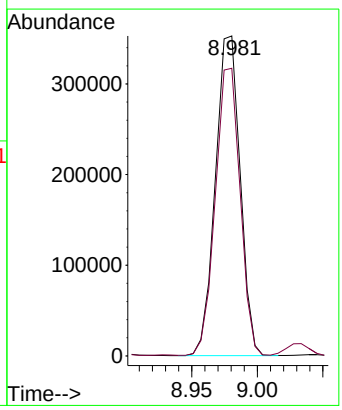
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

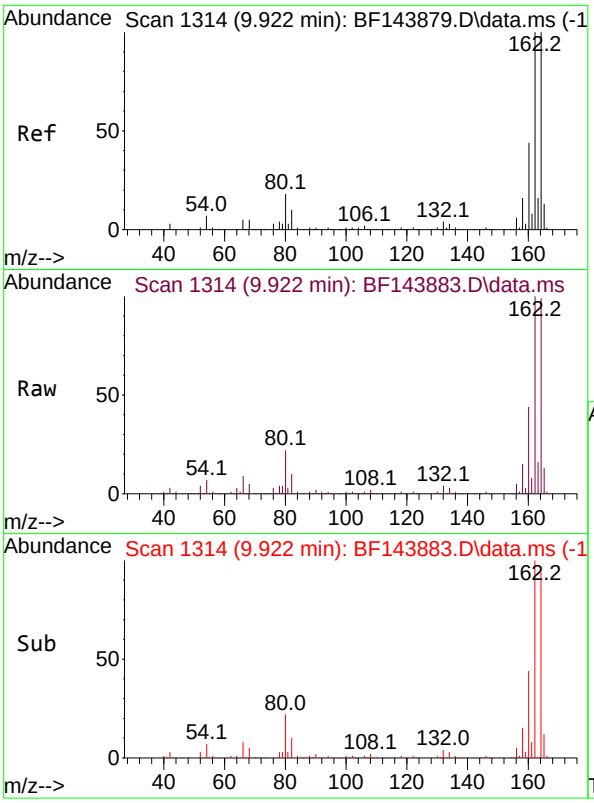


#38
1-Methylnaphthalene
Concen: 35.269 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:142 Resp: 465414

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.8	106.2

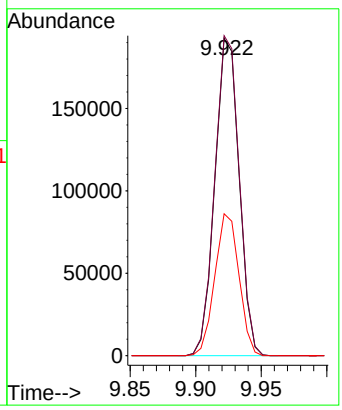




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:164 Resp: 24778

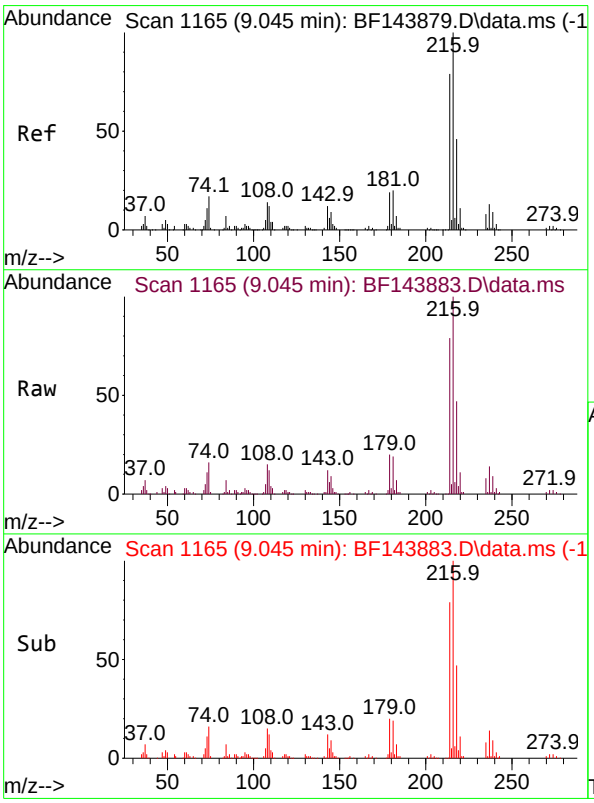
Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	44.7	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

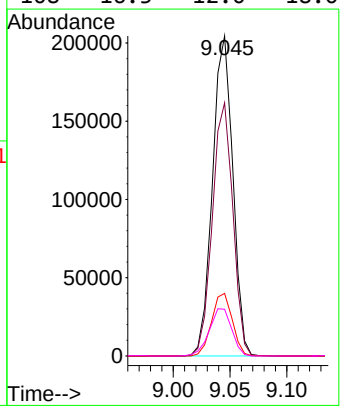
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

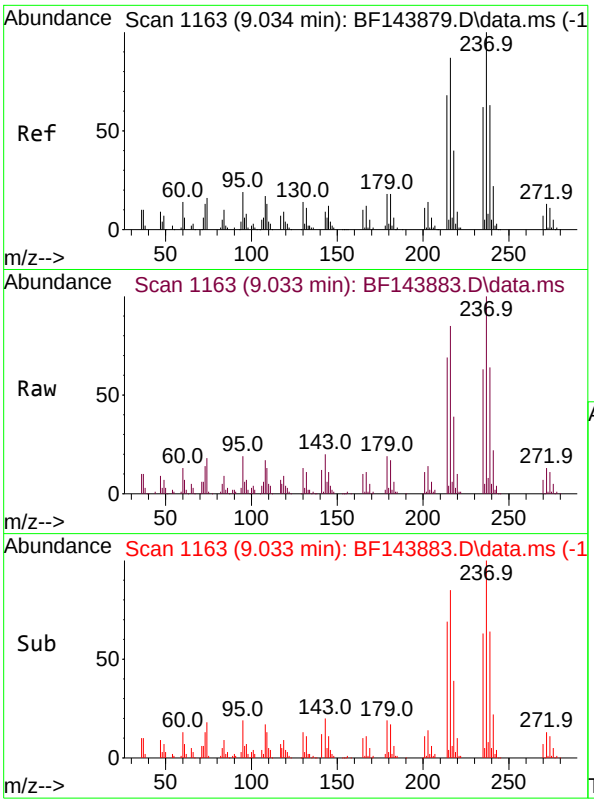


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.122 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

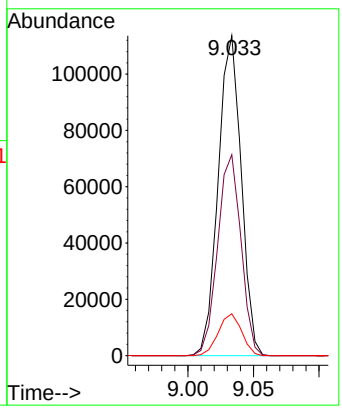




#41
Hexachlorocyclopentadiene
Concen: 48.984 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:237 Resp: 13916

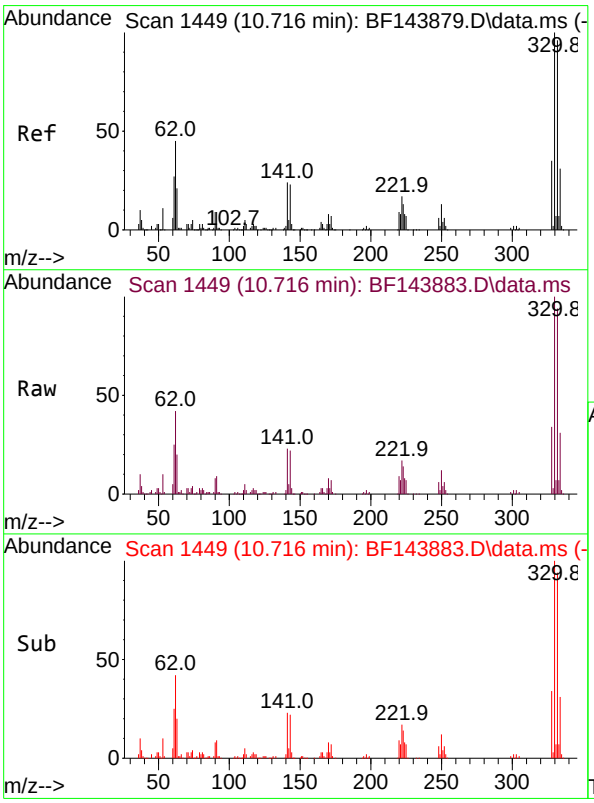
Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.3	82.3
272	13.1	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

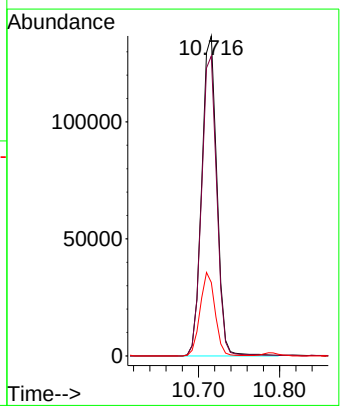
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

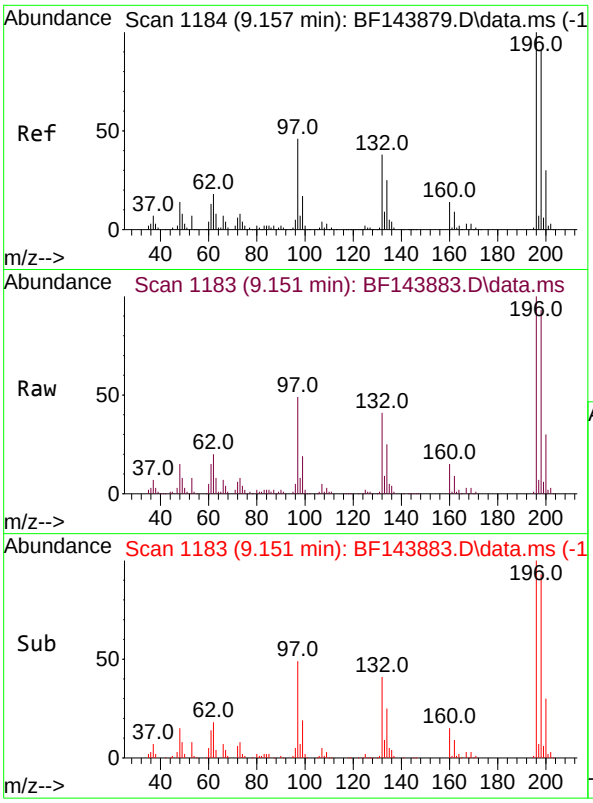


#42
2,4,6-Tribromophenol
Concen: 71.685 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

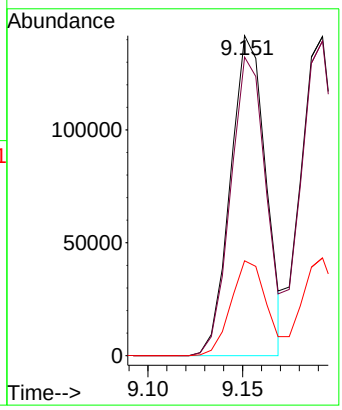




#43
2,4,6-Trichlorophenol
Concen: 36.726 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:196 Resp: 183769

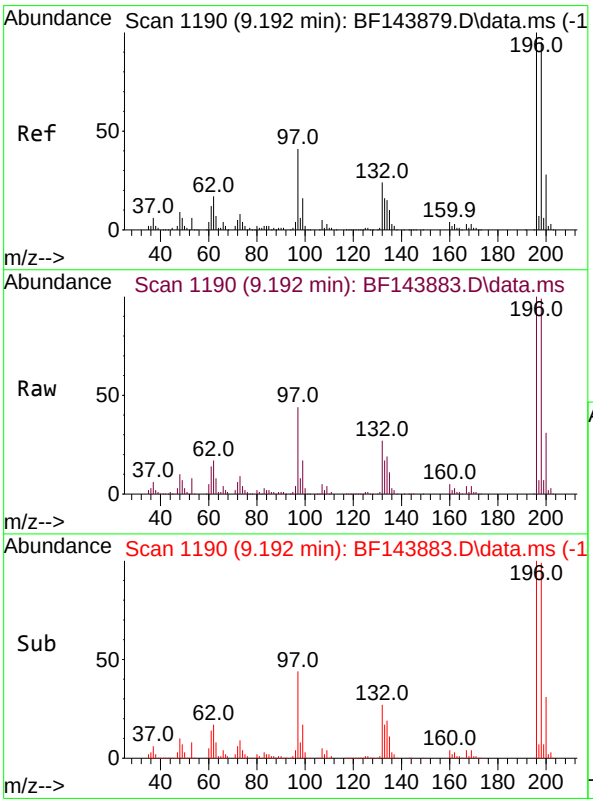
Ion	Ratio	Lower	Upper
196	100		
198	93.3	72.8	109.2
200	29.6	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

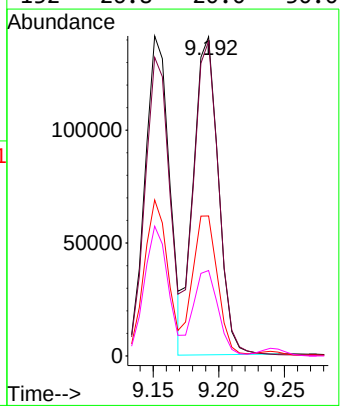
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

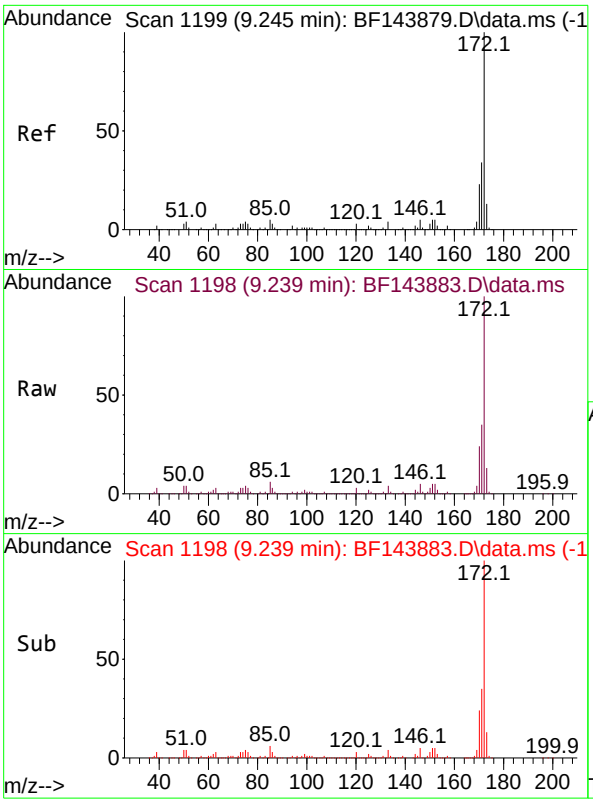


#44
2,4,5-Trichlorophenol
Concen: 35.194 ng
RT: 9.192 min Scan# 1190
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

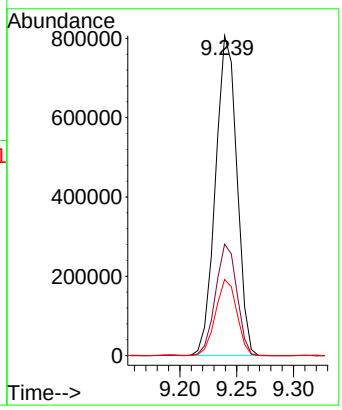




#45
2-Fluorobiphenyl
Concen: 67.621 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:172 Resp: 105594

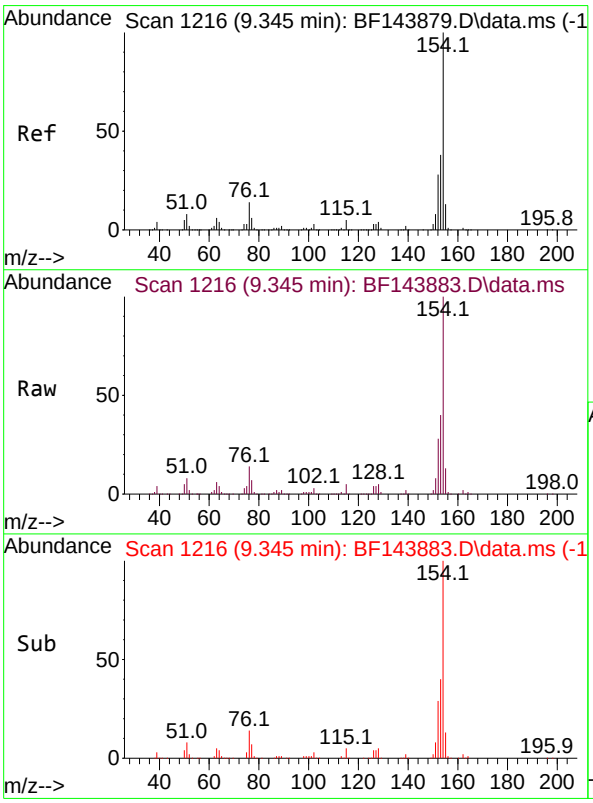
Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

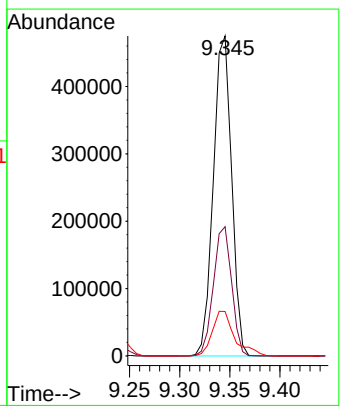
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

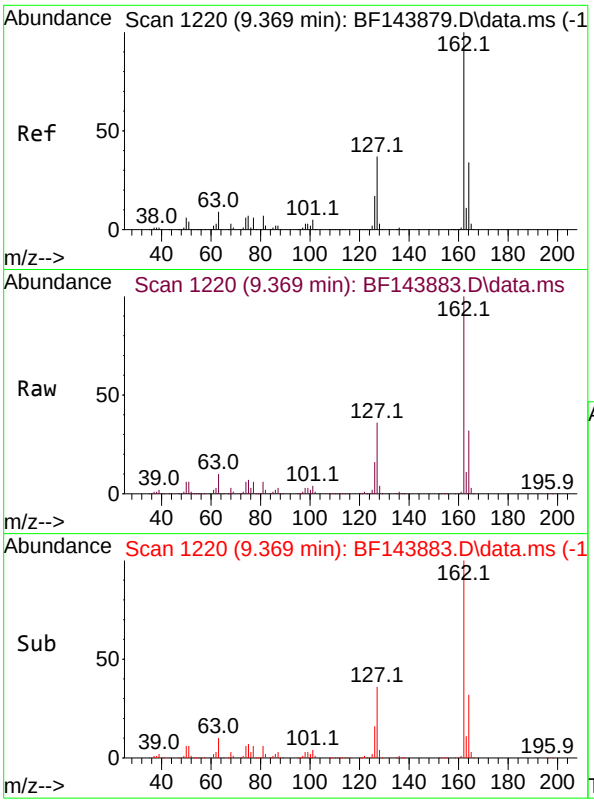


#46
1,1'-Biphenyl
Concen: 36.770 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

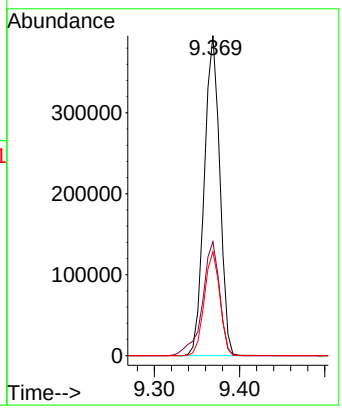




#47
2-Chloronaphthalene
Concen: 36.454 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:162 Resp: 49861

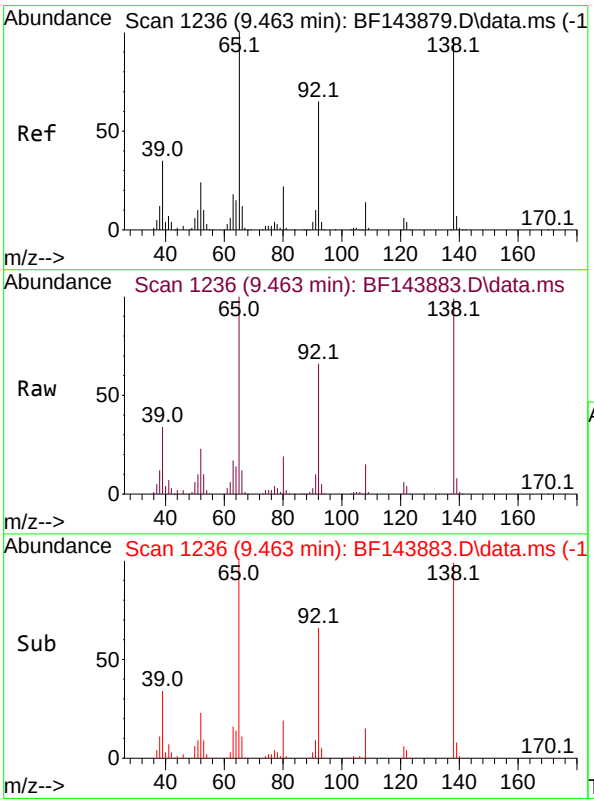
Ion	Ratio	Lower	Upper
162	100		
127	35.6	30.2	45.2
164	32.5	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

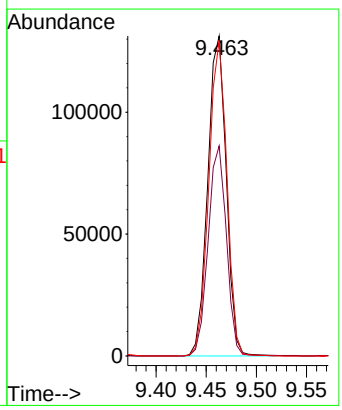
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

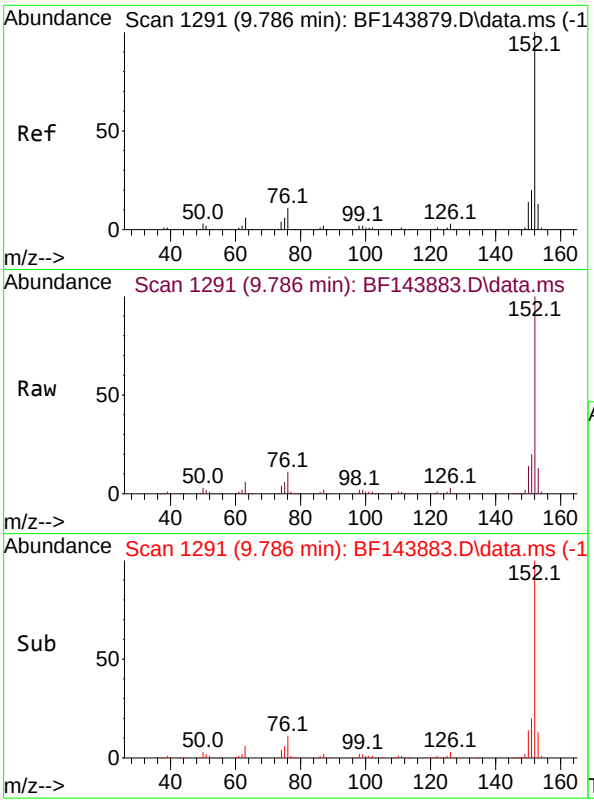


#48
2-Nitroaniline
Concen: 38.894 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

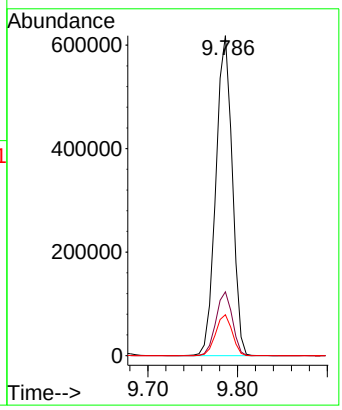




#49
Acenaphthylene
Concen: 40.859 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:152 Resp: 78569

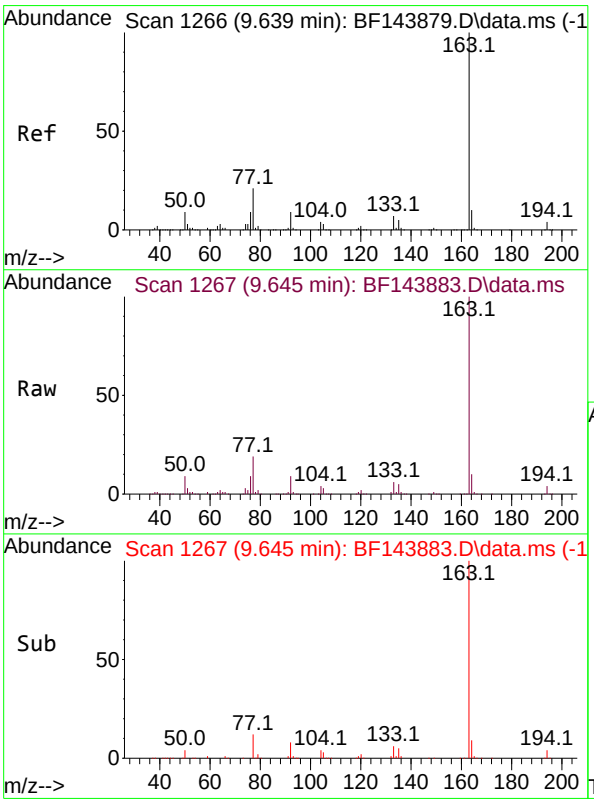
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	12.8	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

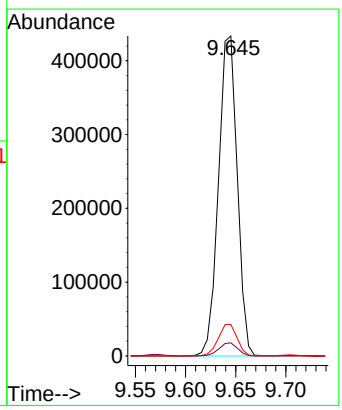
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

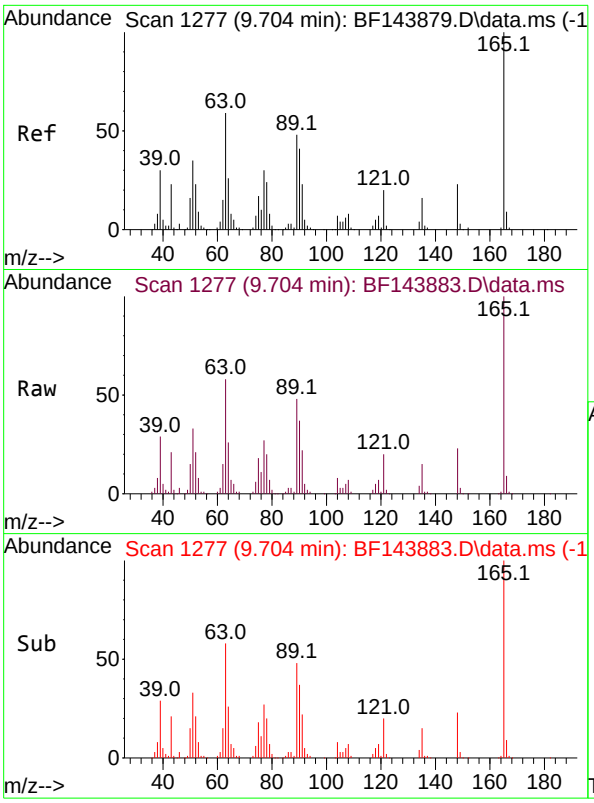


#50
Dimethylphthalate
Concen: 35.968 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

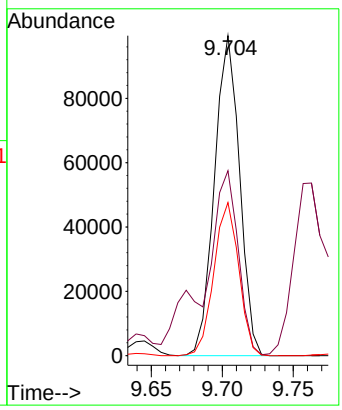
Tgt Ion:165 Resp: 12244

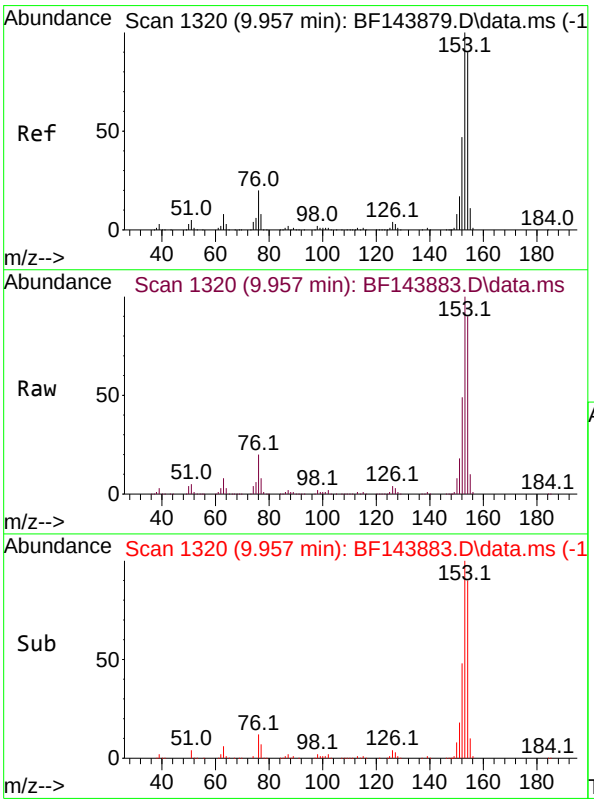
Ion	Ratio	Lower	Upper
165	100		
63	57.8	47.3	70.9
89	47.8	38.2	57.4

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

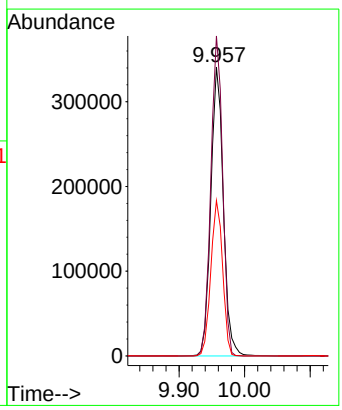


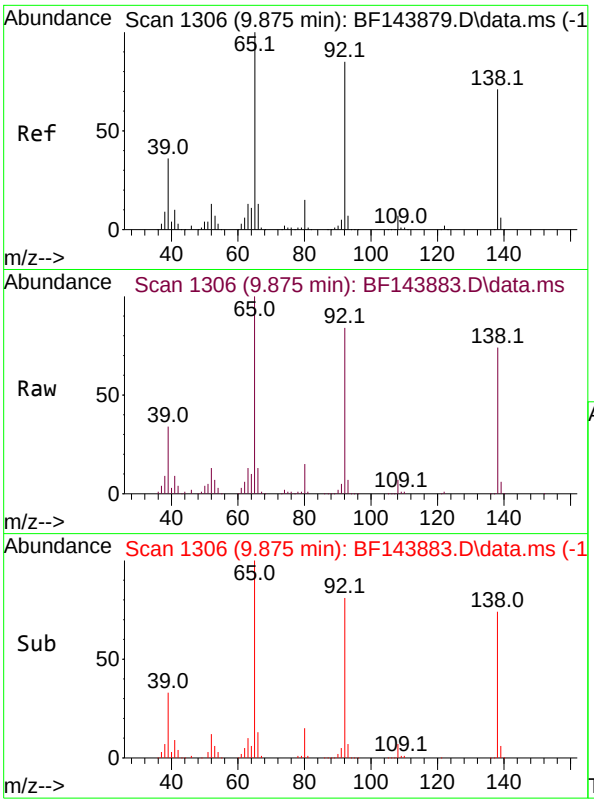


#52
Acenaphthene
Concen: 35.913 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

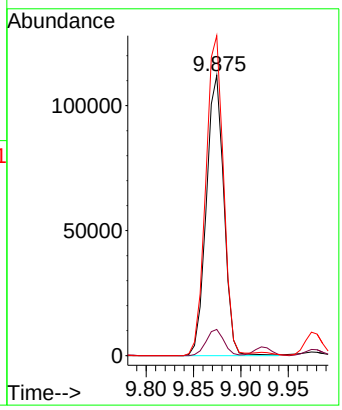
Tgt Ion:138 Resp: 14466

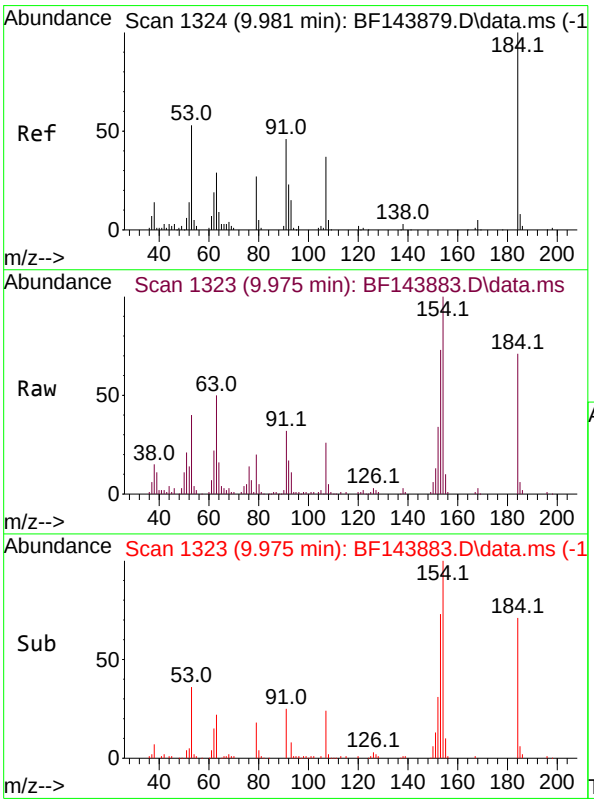
Ion	Ratio	Lower	Upper
138	100		
108	9.3	8.3	12.5
92	114.2	96.2	144.2

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

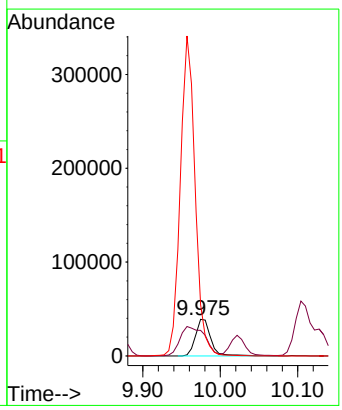


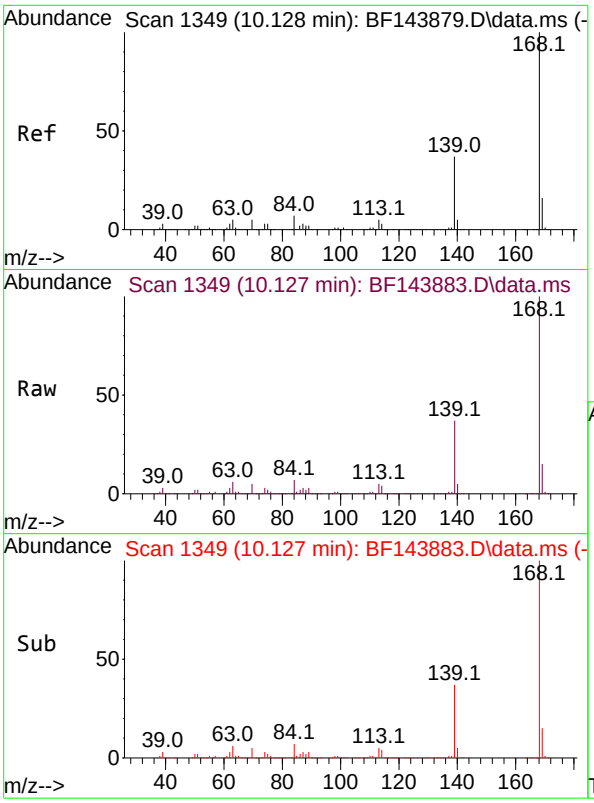


#54
2,4-Dinitrophenol
Concen: 33.731 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.011 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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#

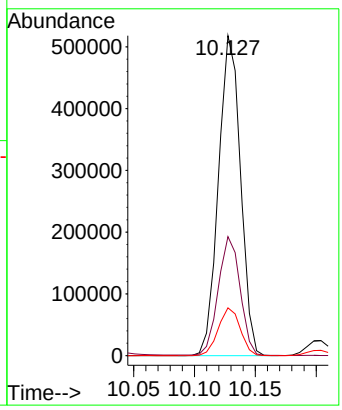




#55
Dibenzofuran
Concen: 36.717 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:168 Resp: 65307

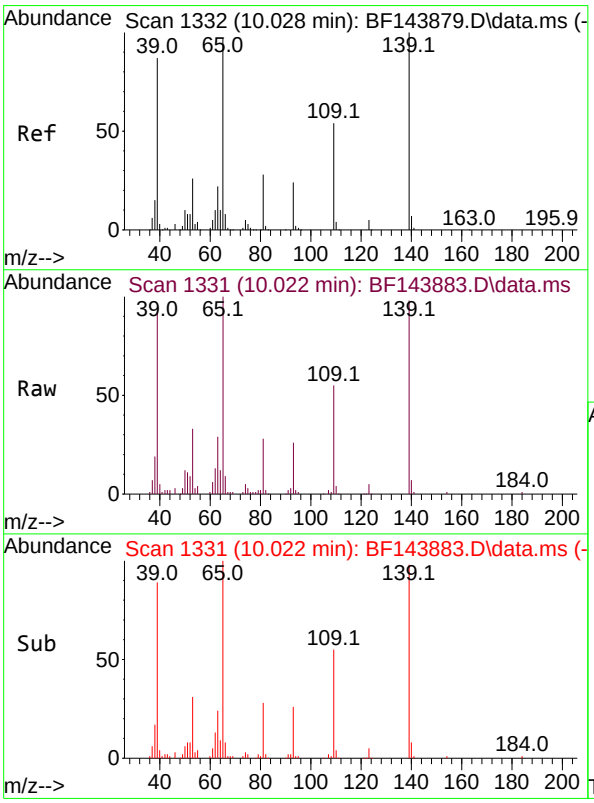
Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.8
169	15.0	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

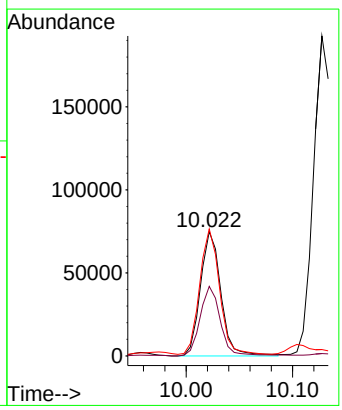
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

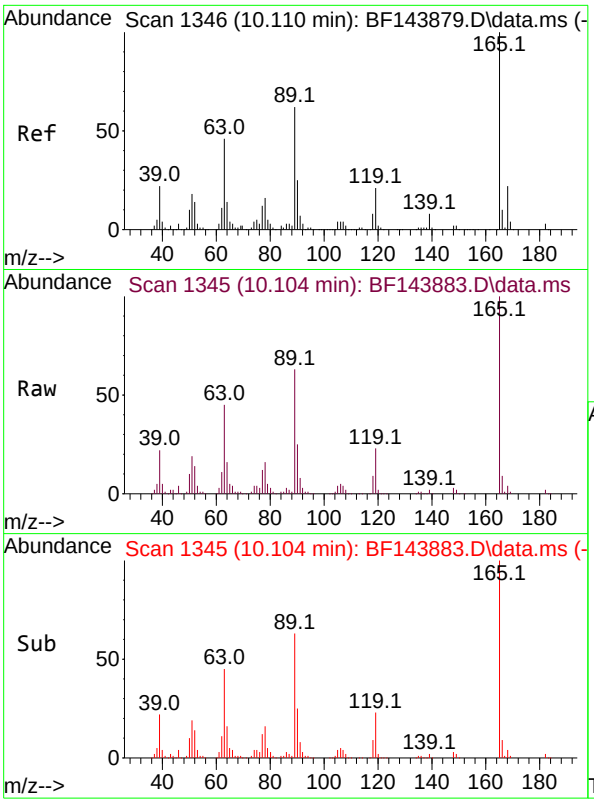


#56
4-Nitrophenol
Concen: 36.850 ng
RT: 10.022 min Scan# 1331
Delta R.T. -0.017 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

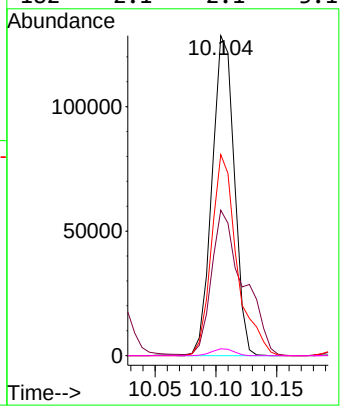




#57
2,4-Dinitrotoluene
Concen: 41.169 ng
RT: 10.104 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:165 Resp: 16344

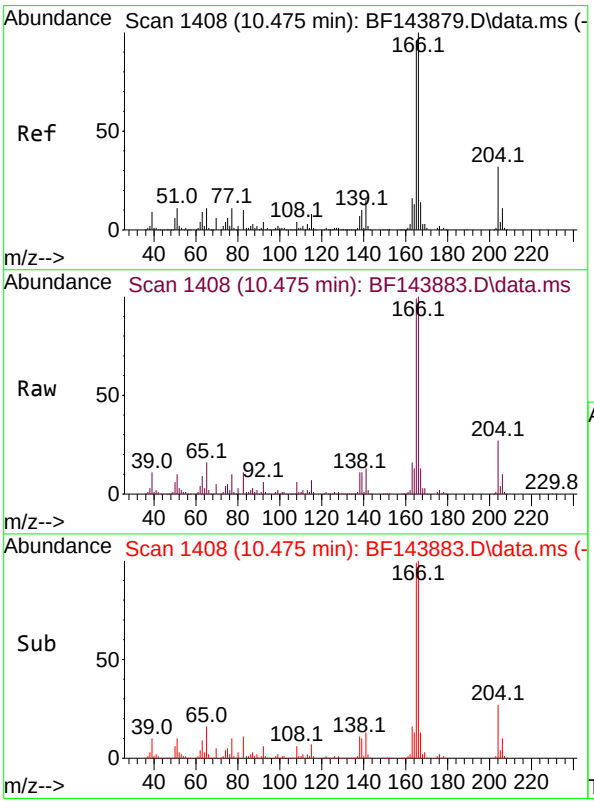
Ion	Ratio	Lower	Upper
165	100		
63	45.4	37.2	55.8
89	62.8	49.4	74.2
182	2.1	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

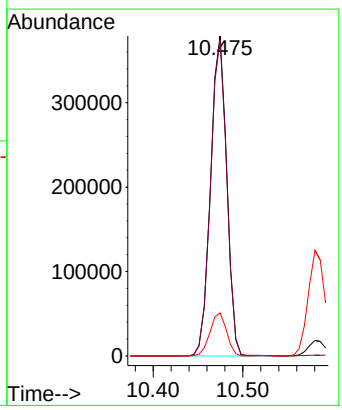
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

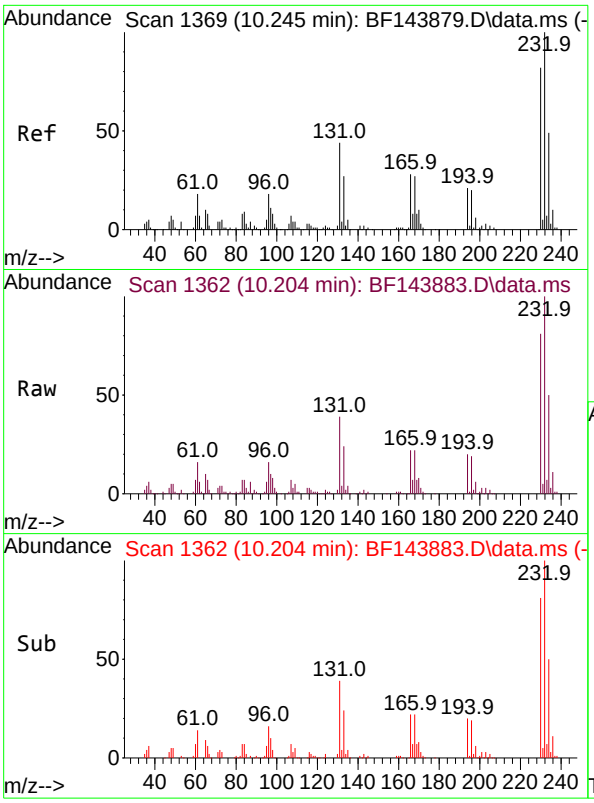


#58
Fluorene
Concen: 35.527 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

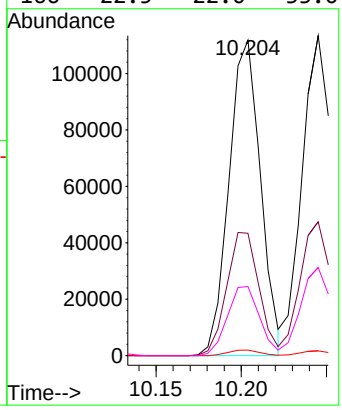




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.488 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:232 Resp: 144064

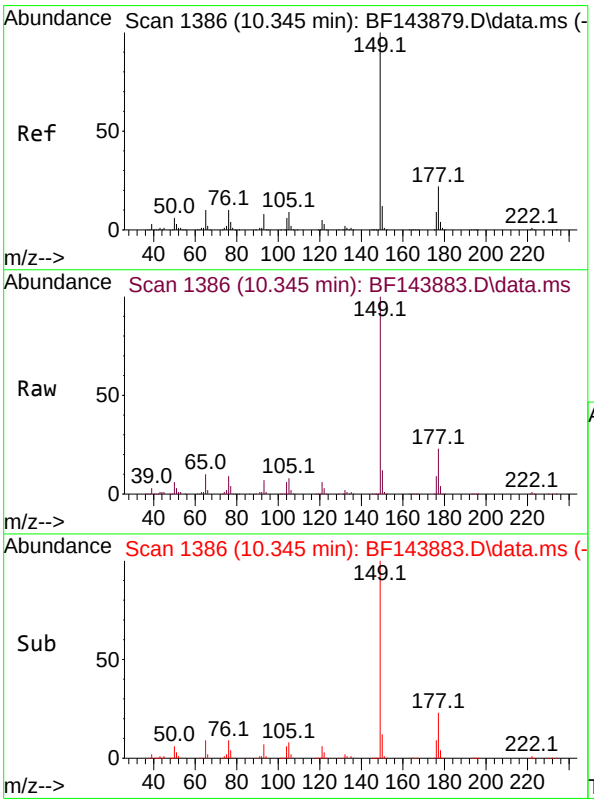
Ion	Ratio	Lower	Upper
232	100		
131	40.0	34.9	52.3
130	1.8	1.6	2.4
166	22.5	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

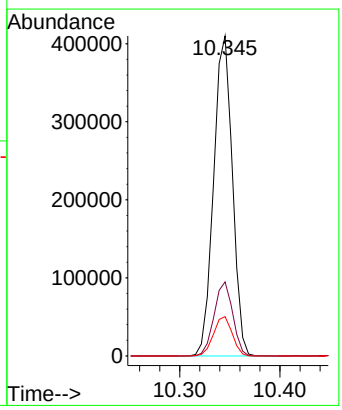
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

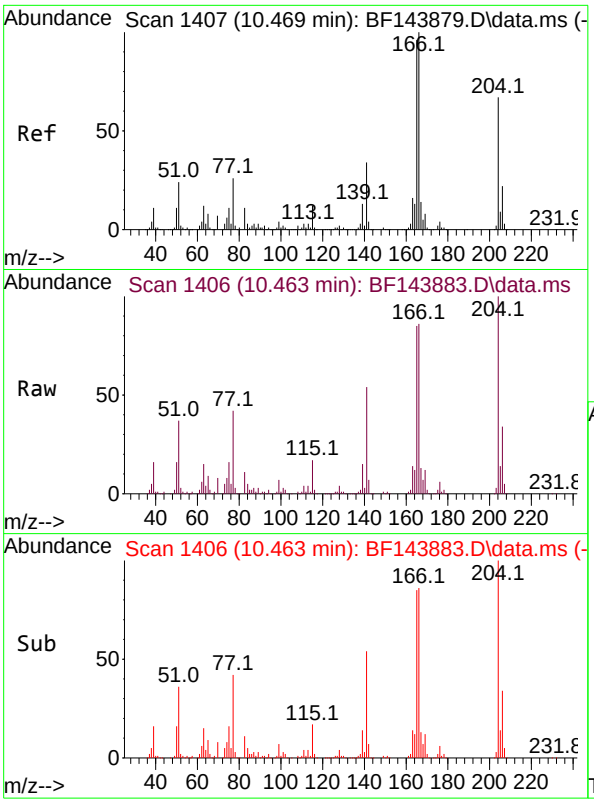


#60
Diethylphthalate
Concen: 36.501 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

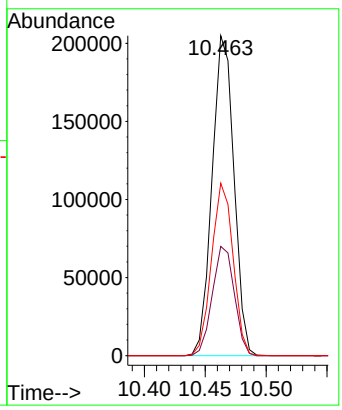




#61
4-Chlorophenyl-phenylether
Concen: 36.113 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:204 Resp: 25624

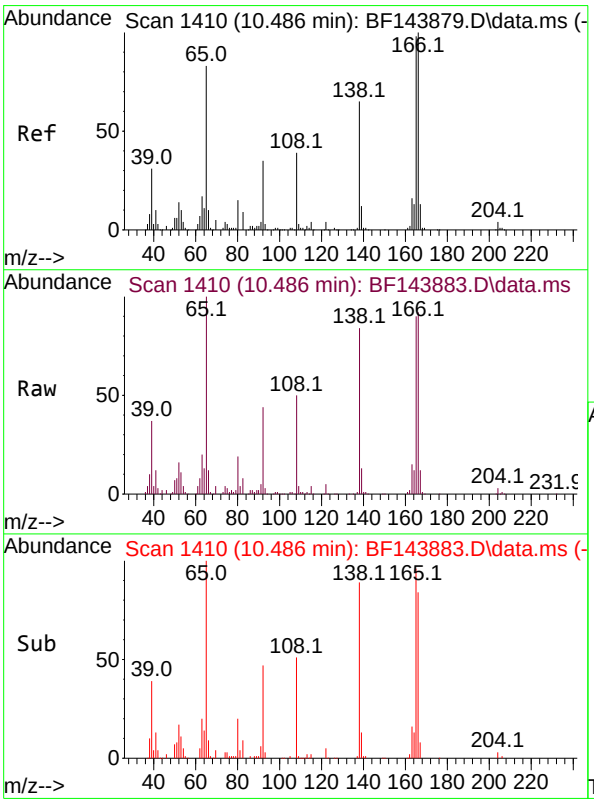
Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.6	40.0
141	53.9	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

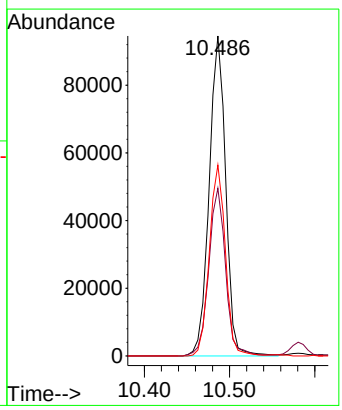
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

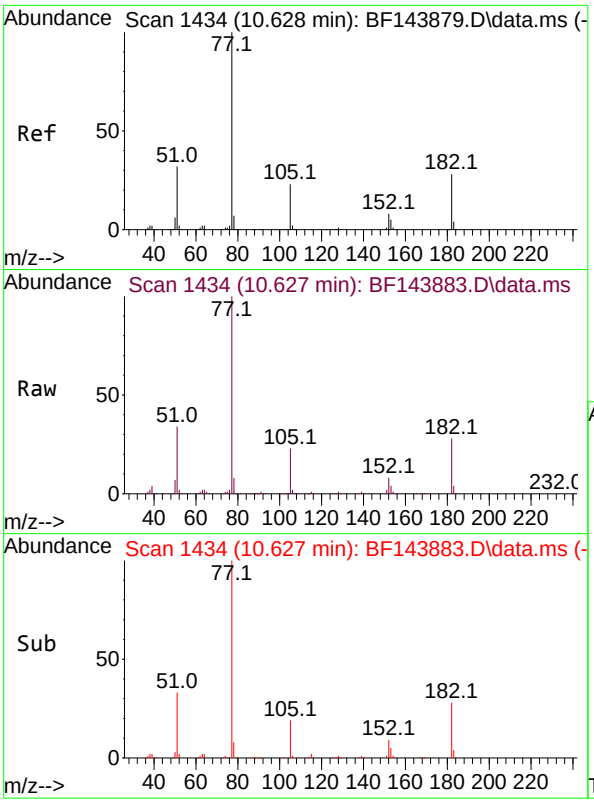


#62
4-Nitroaniline
Concen: 37.074 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

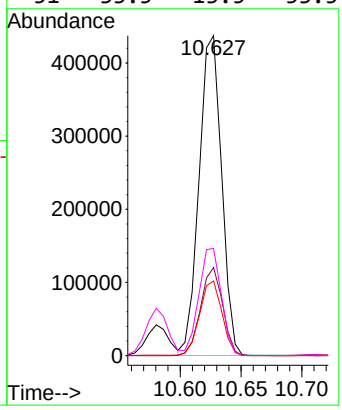




#63
Azobenzene
Concen: 36.837 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion: 77 Resp: 56278

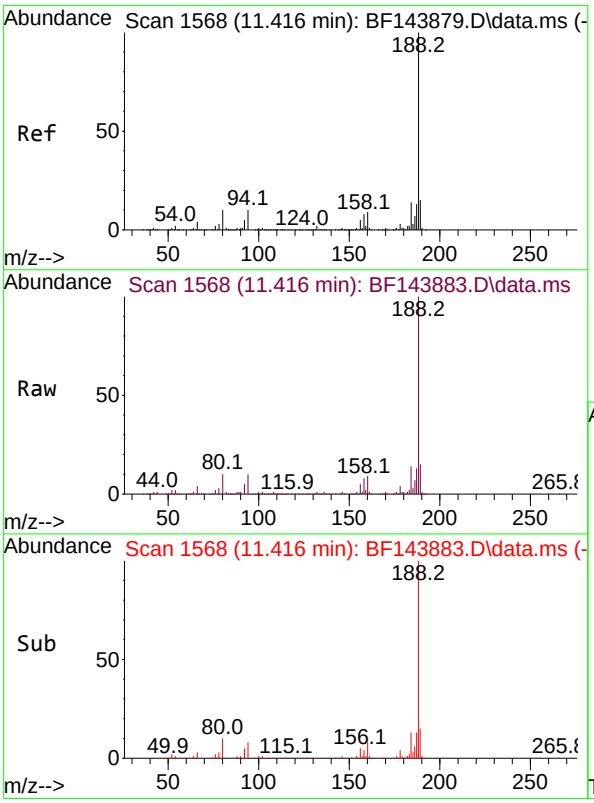
Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.3	47.3
105	23.3	3.0	43.0
51	33.5	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

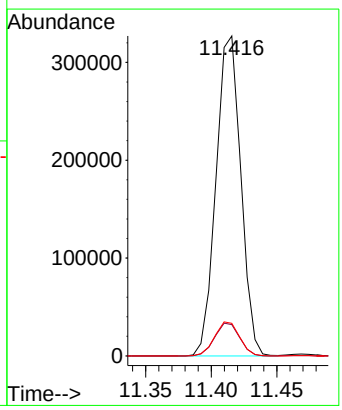
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

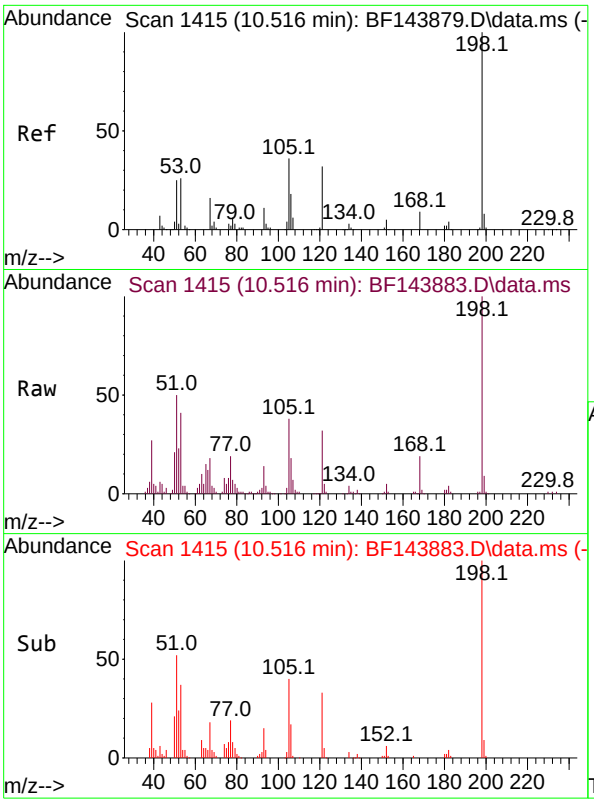


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

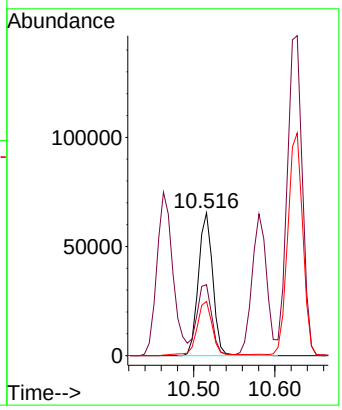




#65
4,6-Dinitro-2-methylphenol
Concen: 37.083 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:198 Resp: 8042

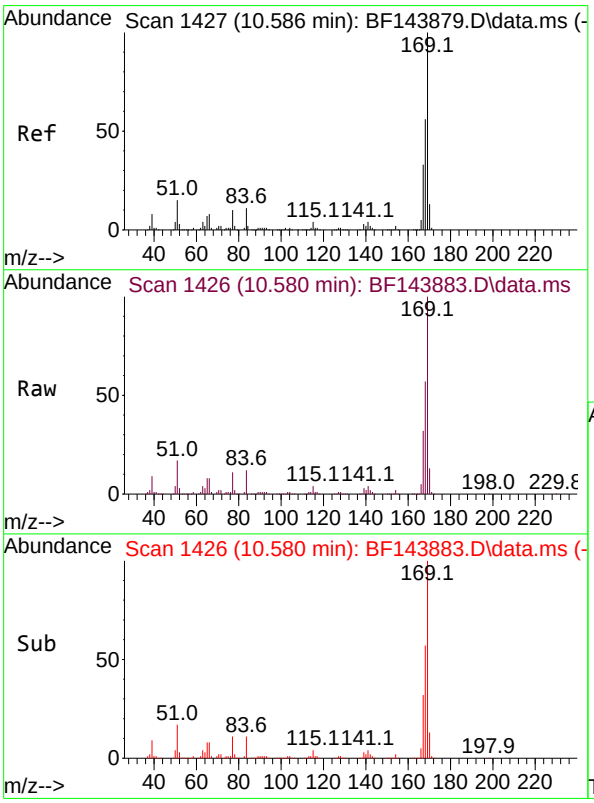
Ion	Ratio	Lower	Upper
198	100		
51	49.7	33.8	73.8
105	37.9	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

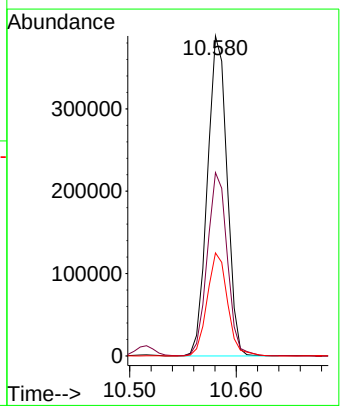
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

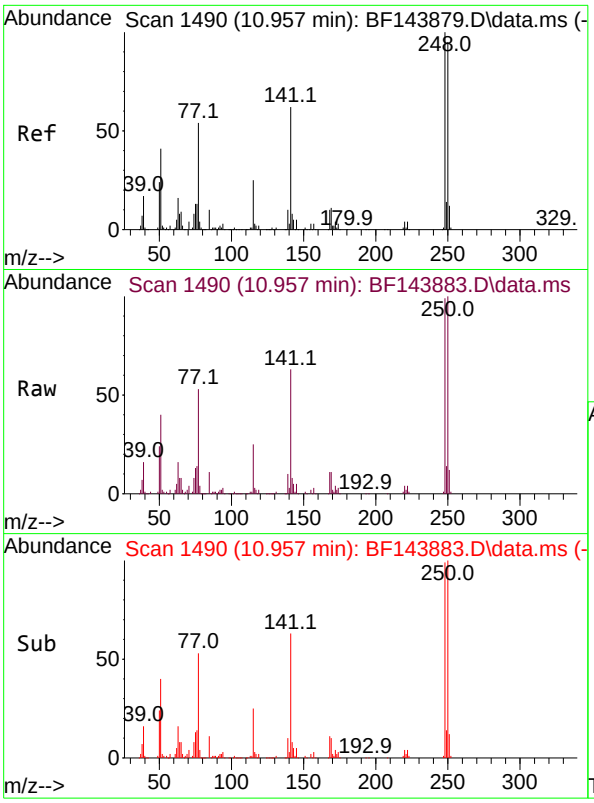


#66
n-Nitrosodiphenylamine
Concen: 36.649 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

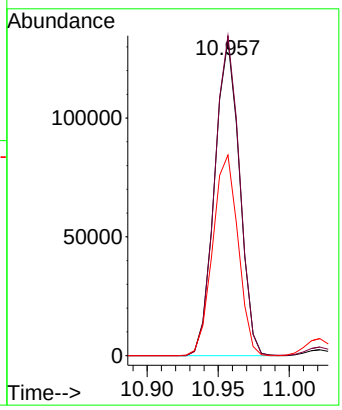




#67
4-Bromophenyl-phenylether
Concen: 33.973 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:248 Resp: 16203

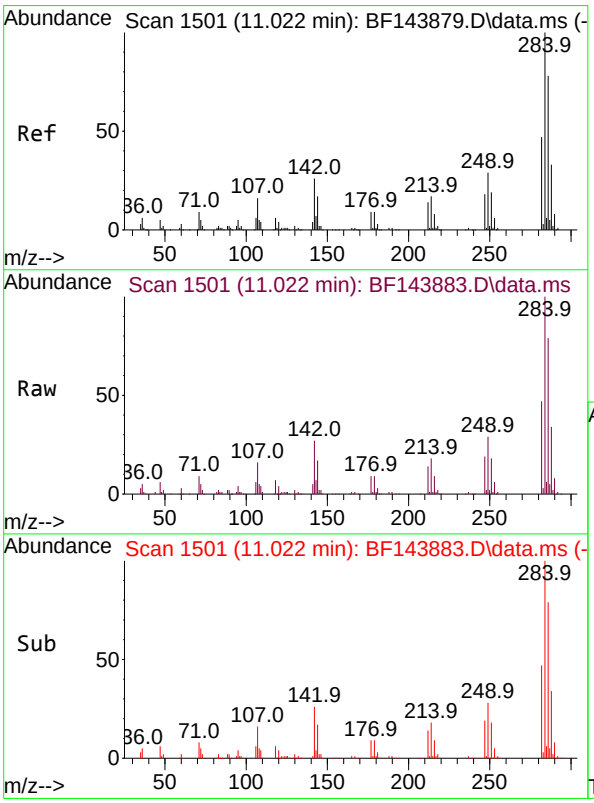
Ion	Ratio	Lower	Upper
248	100		
250	101.4	76.3	114.5
141	63.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

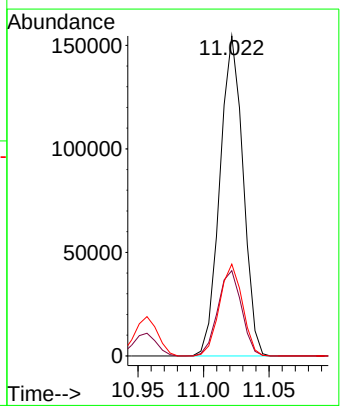
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

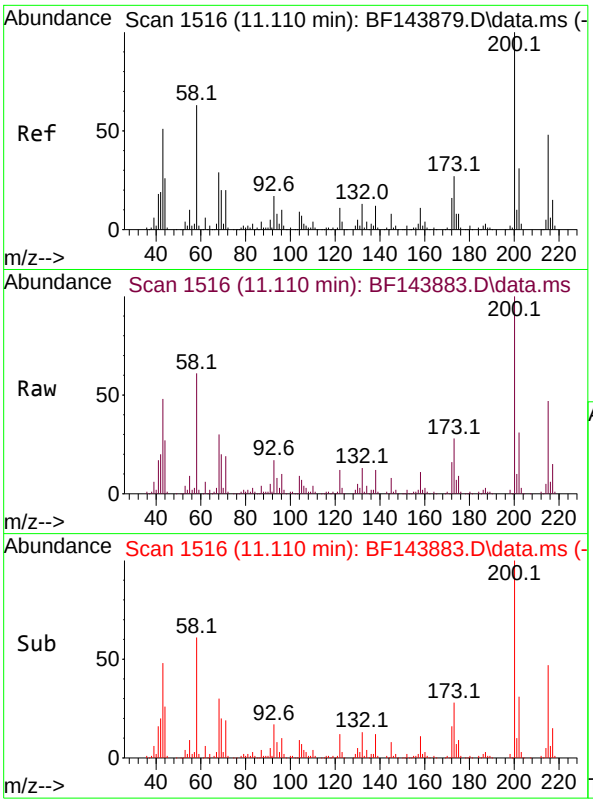


#68
Hexachlorobenzene
Concen: 34.415 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

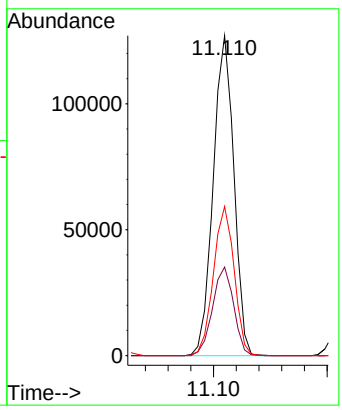




#69
Atrazine
Concen: 39.016 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:200 Resp: 16024

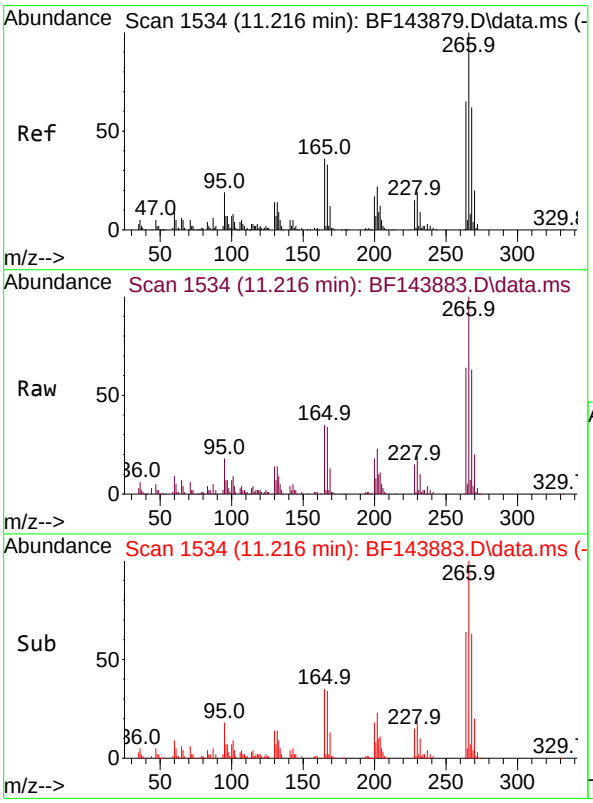
Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.0	47.0
215	46.6	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

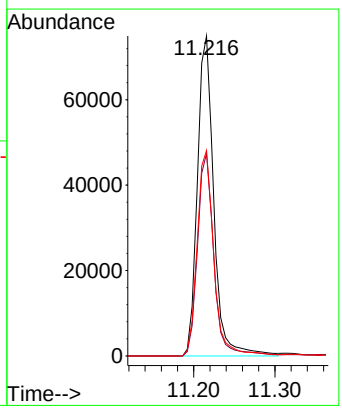
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

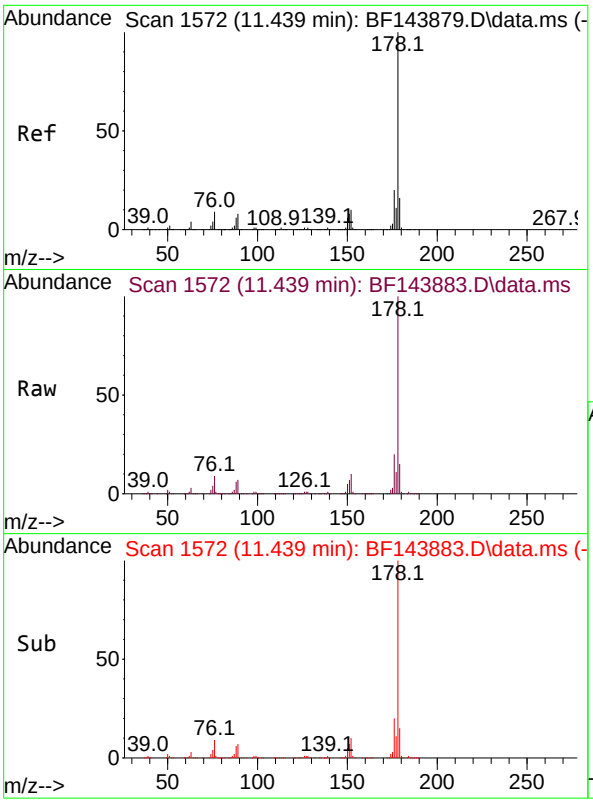


#70
Pentachlorophenol
Concen: 33.097 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

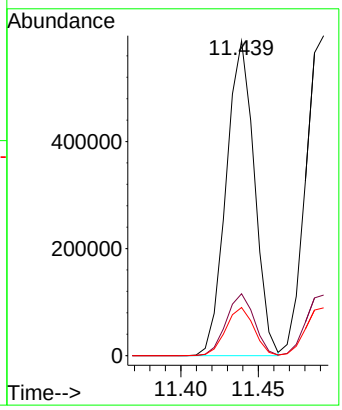




#71
Phenanthrene
Concen: 35.542 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:178 Resp: 74360

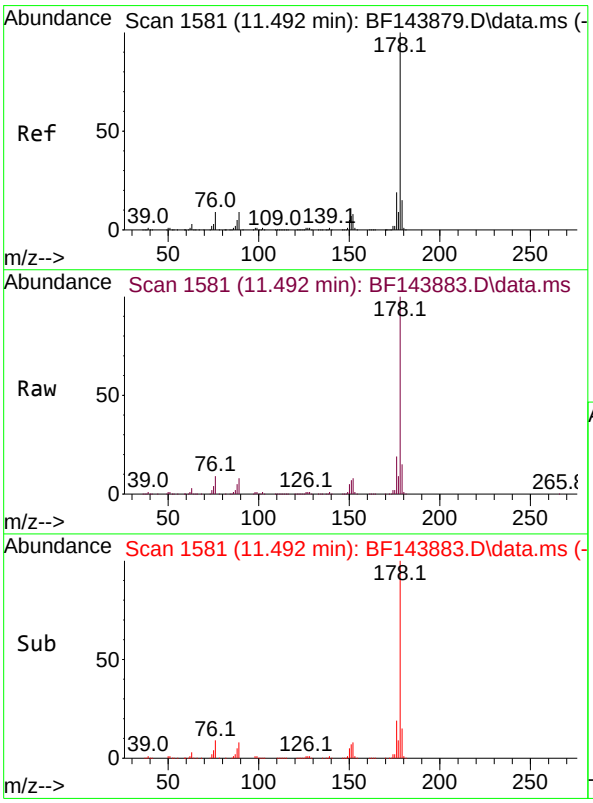
Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.3	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

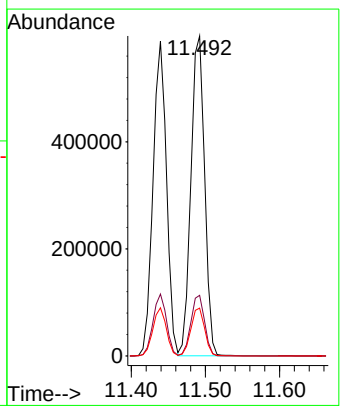
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

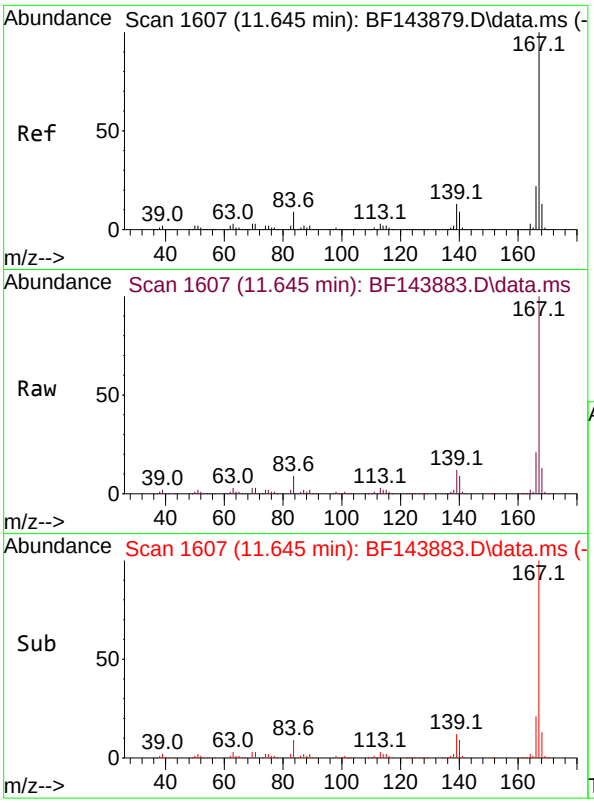


#72
Anthracene
Concen: 36.273 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

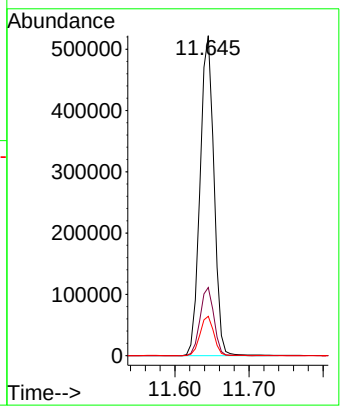




#73
Carbazole
Concen: 36.246 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:167 Resp: 67852

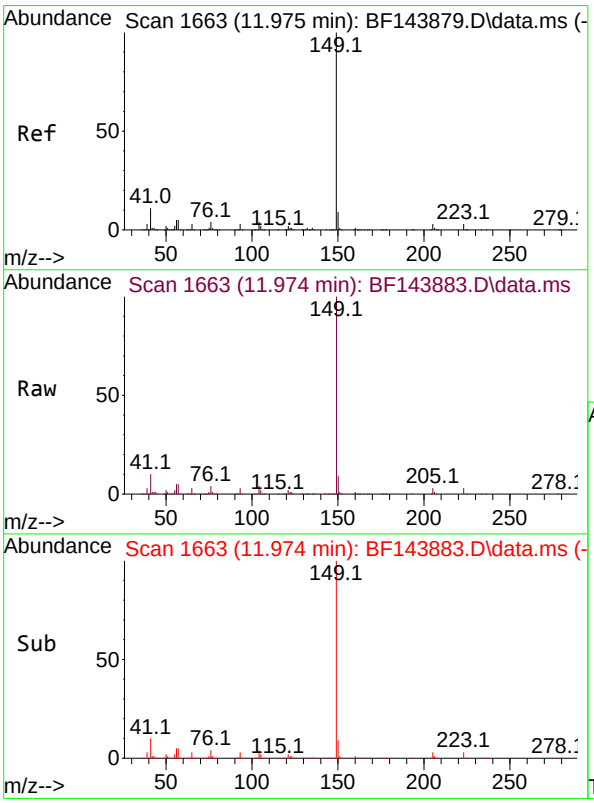
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.3	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

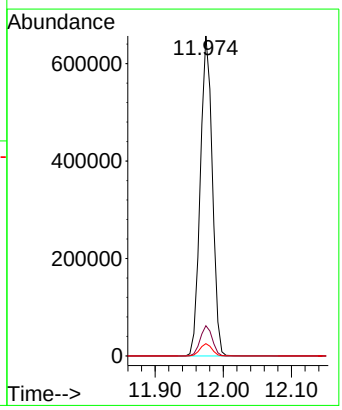
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

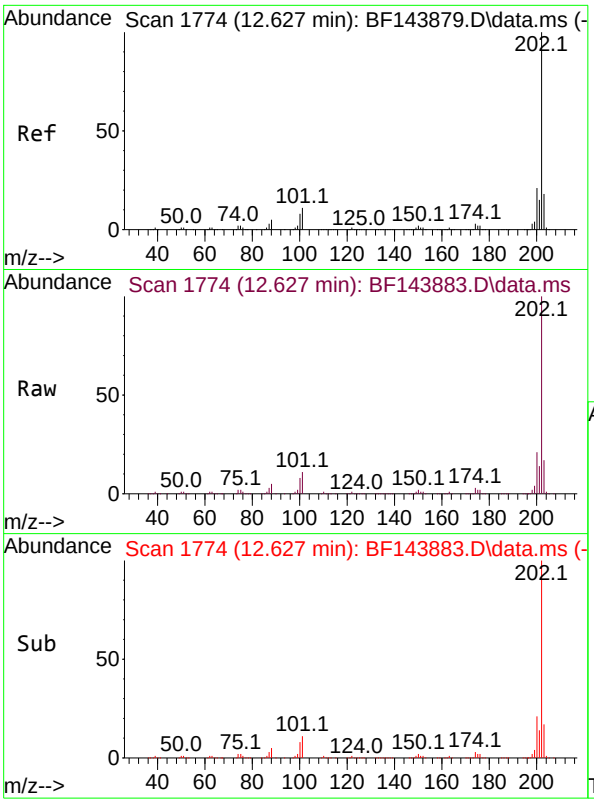


#74
Di-n-butylphthalate
Concen: 37.171 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

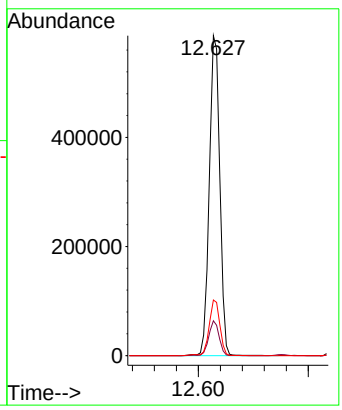




#75
Fluoranthene
Concen: 36.019 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:202 Resp: 778418

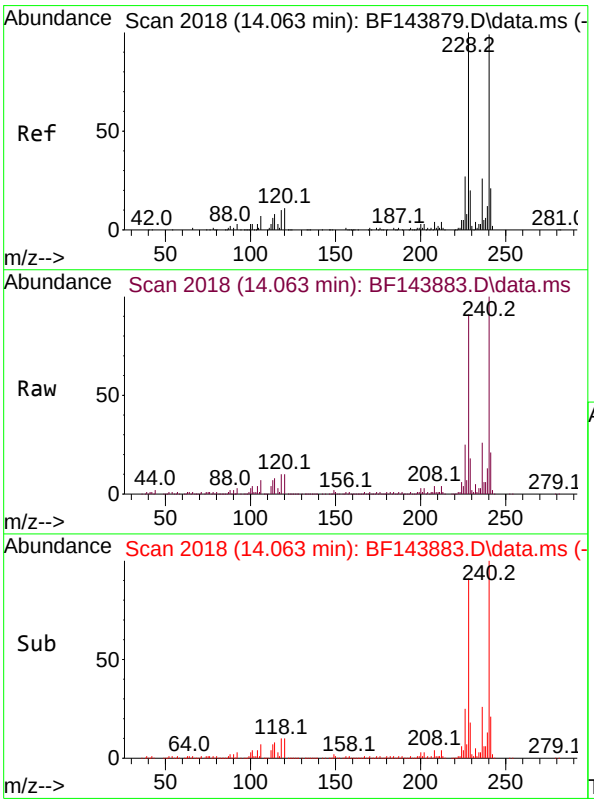
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.7
203	17.4	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

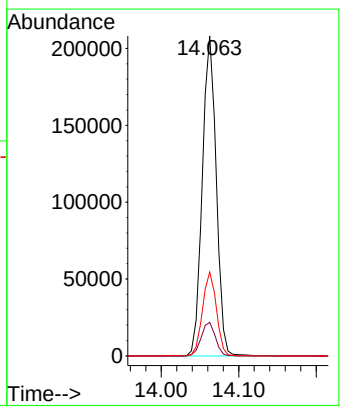
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

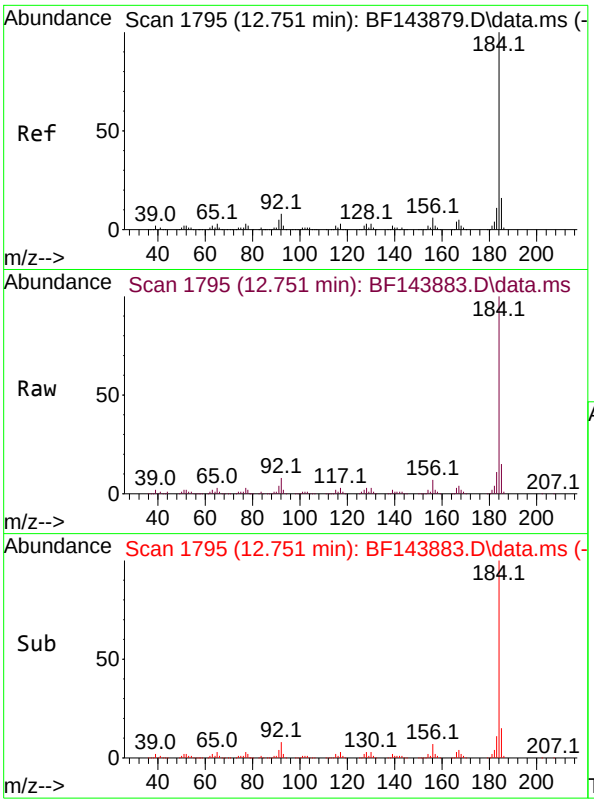


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

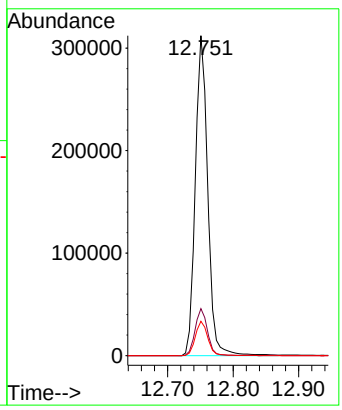




#77
Benzidine
Concen: 45.411 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:184 Resp: 40965

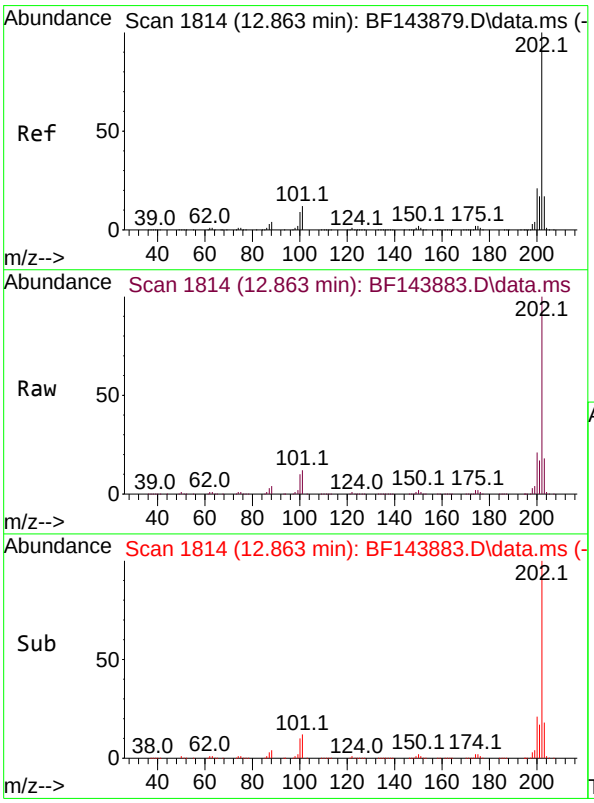
Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.6	18.8
183	10.8	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

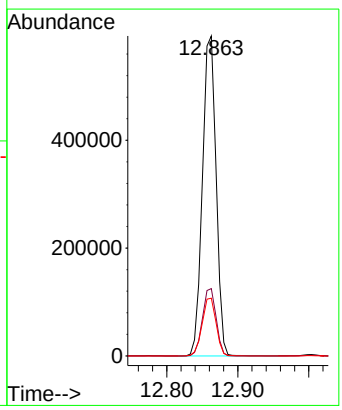
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

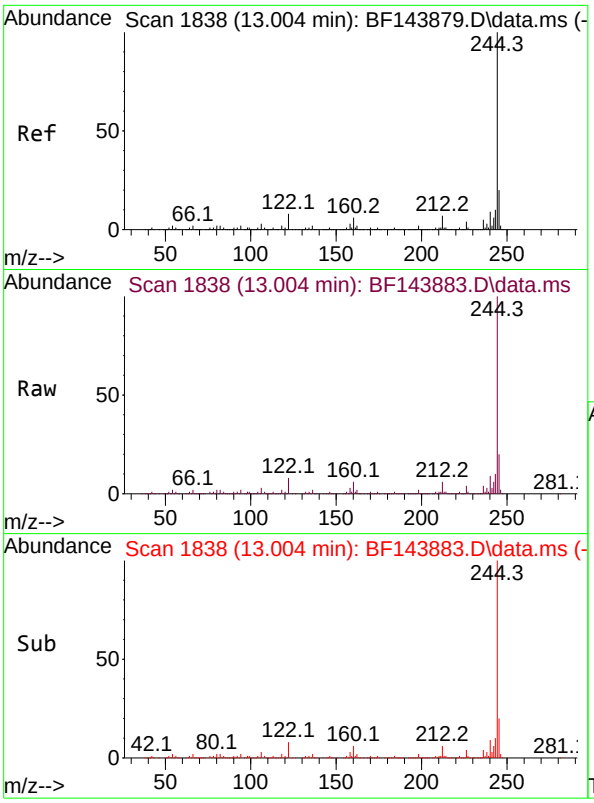


#78
Pyrene
Concen: 36.431 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

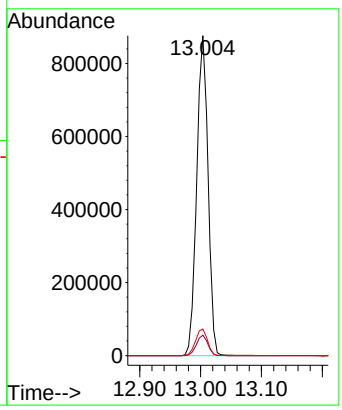




#79
Terphenyl-d14
Concen: 74.443 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:244 Resp: 113163

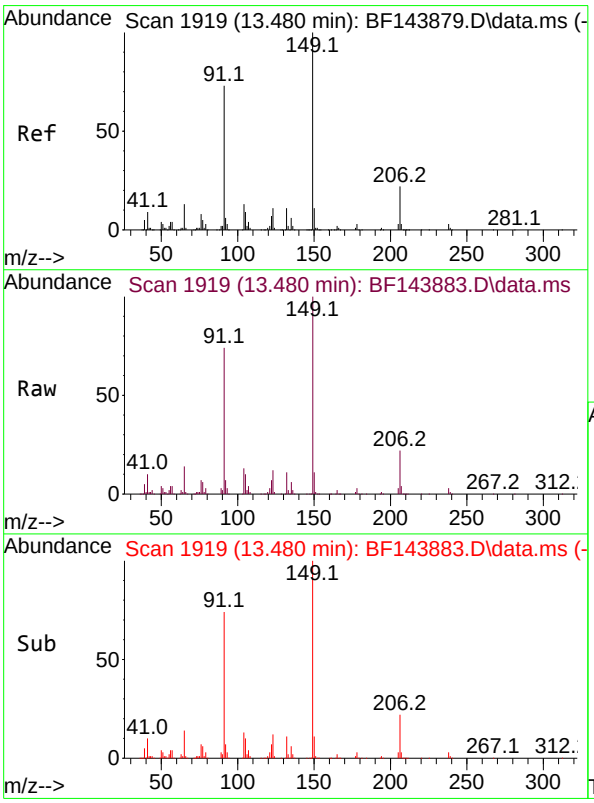
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.3	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

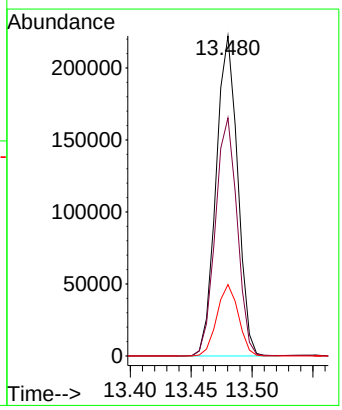
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

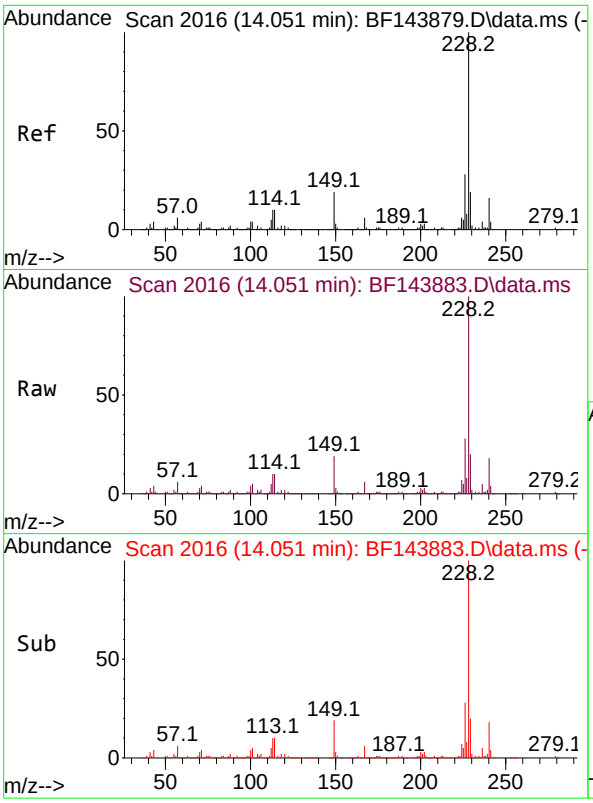


#80
Butylbenzylphthalate
Concen: 38.986 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

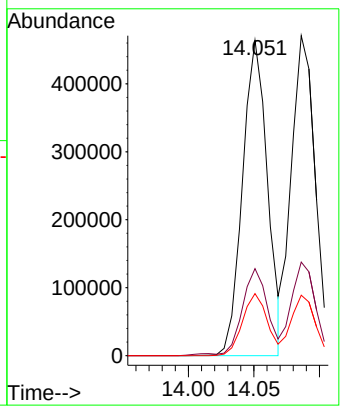




#81
Benzo(a)anthracene
Concen: 36.142 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:228 Resp: 61447

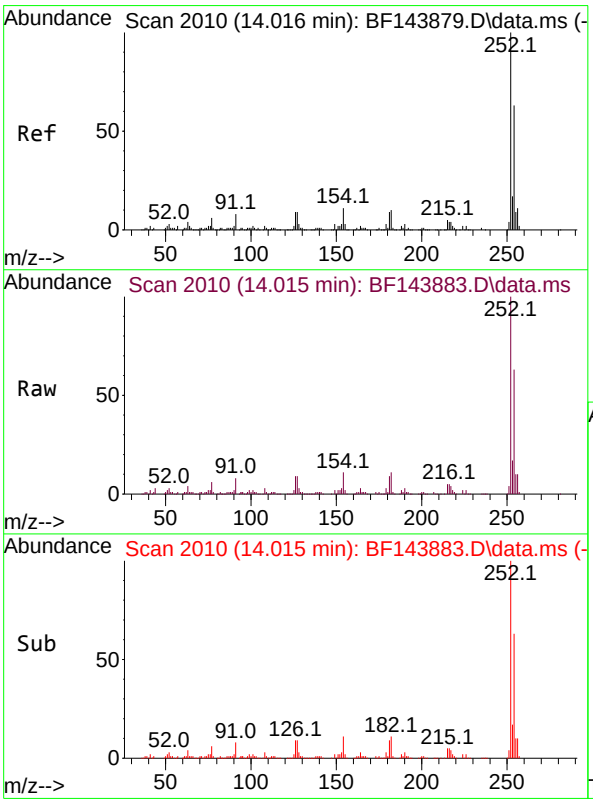
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.2	33.2
229	19.7	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

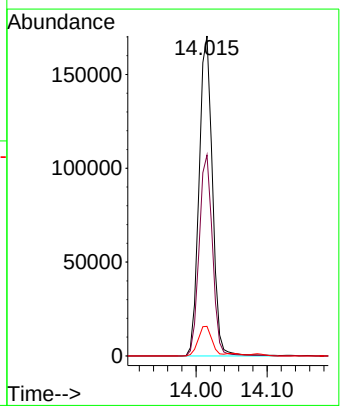
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

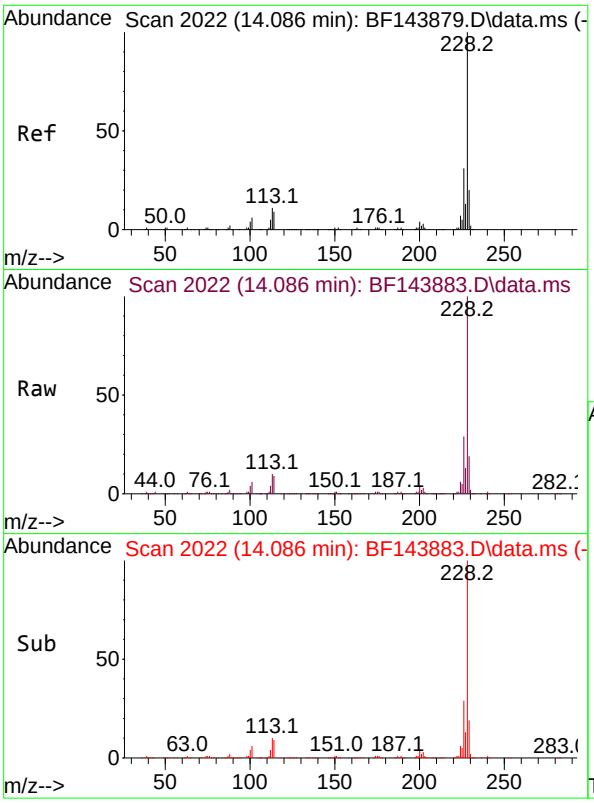


#82
3,3'-Dichlorobenzidine
Concen: 42.747 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

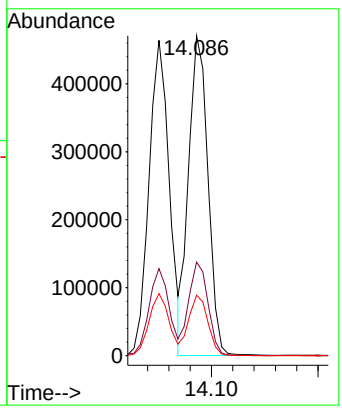




#83
Chrysene
Concen: 37.792 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:228 Resp: 59466

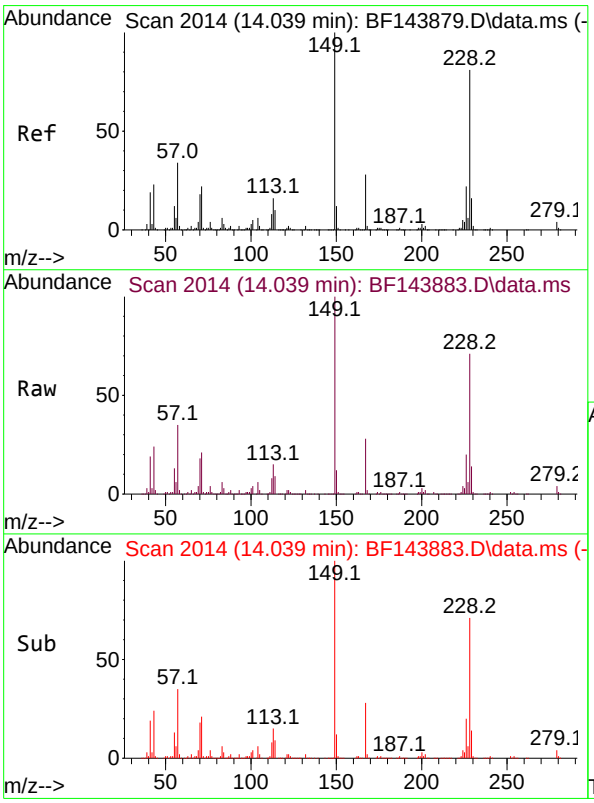
Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.4	36.6
229	18.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

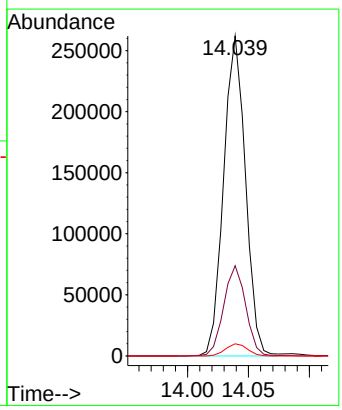
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

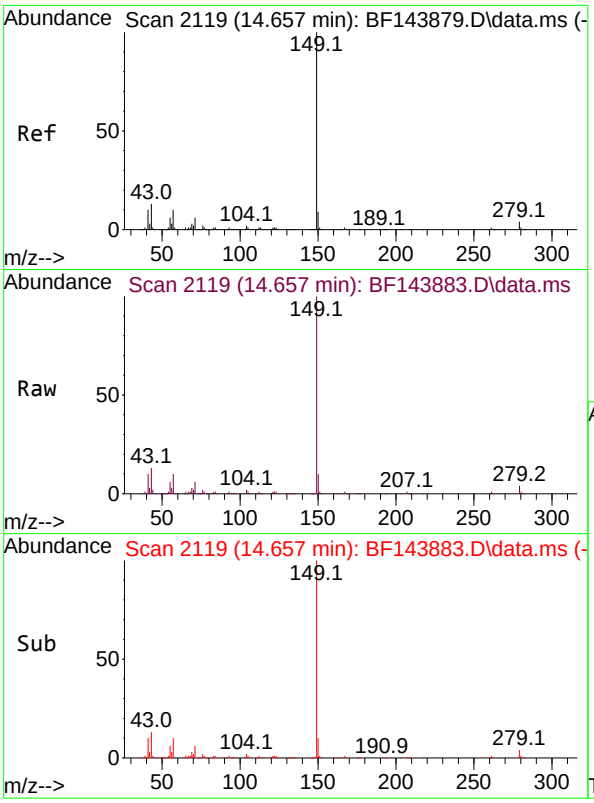


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.560 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

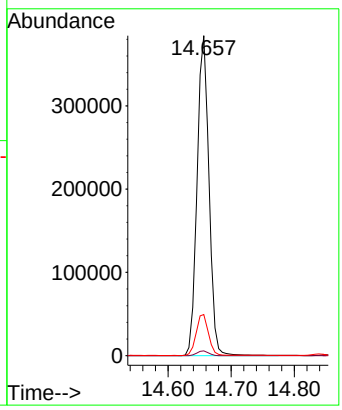




#85
Di-n-octyl phthalate
Concen: 36.116 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:149 Resp: 502989

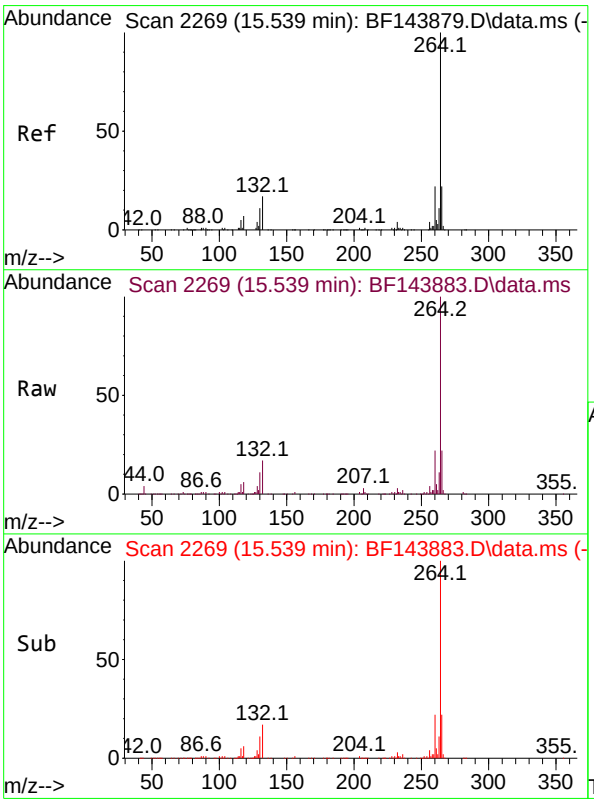
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.2	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

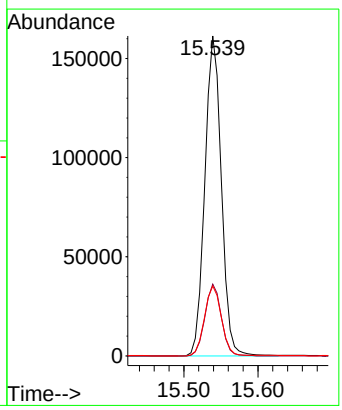
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

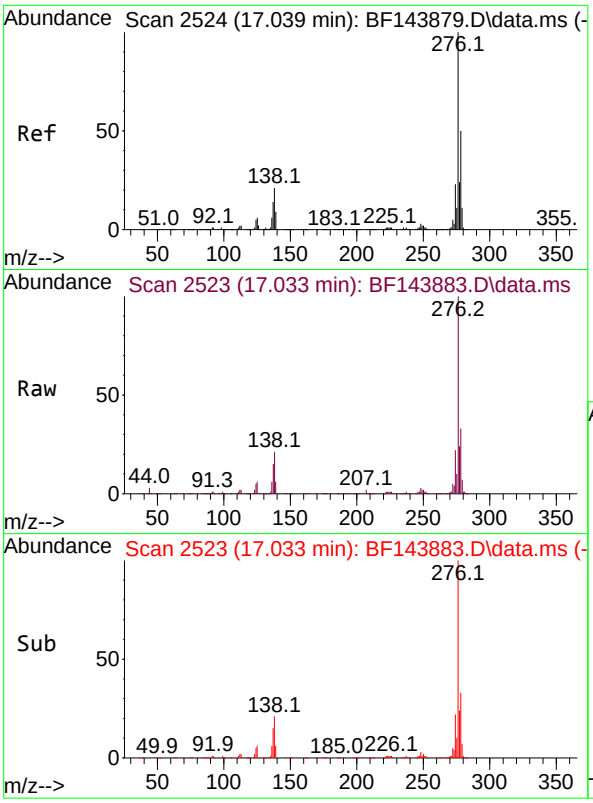


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

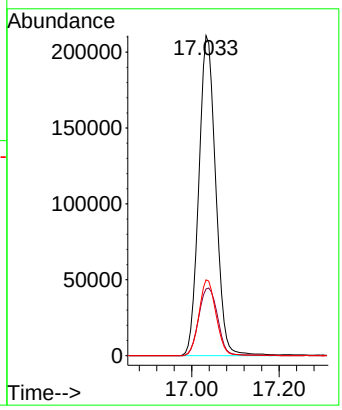




#87
Indeno(1,2,3-cd)pyrene
Concen: 36.867 ng
RT: 17.033 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:276 Resp: 56349

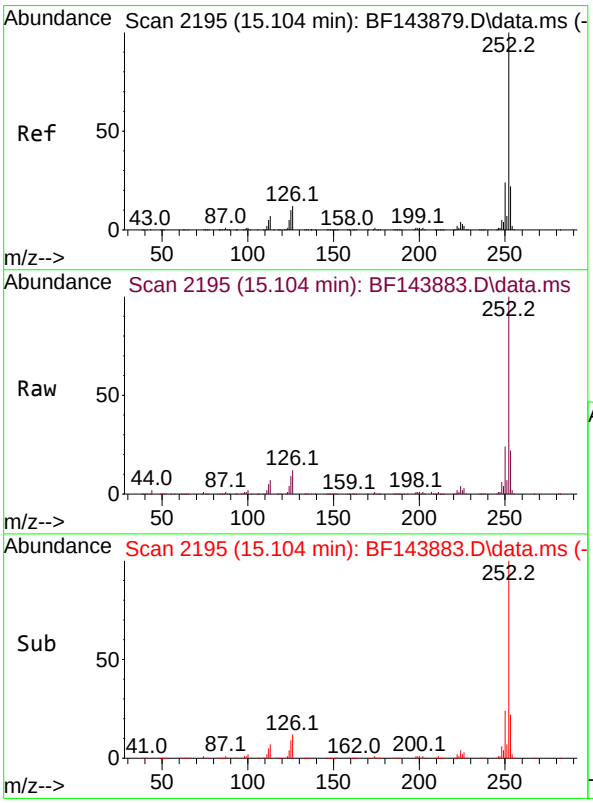
Ion	Ratio	Lower	Upper
276	100		
138	23.7	18.2	27.2
277	23.8	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations APPROVED

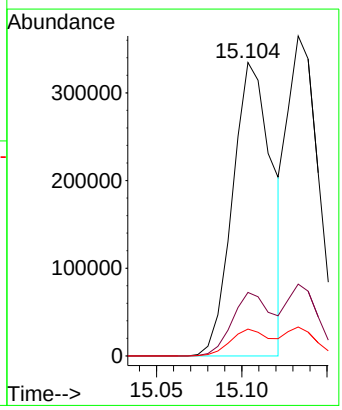
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

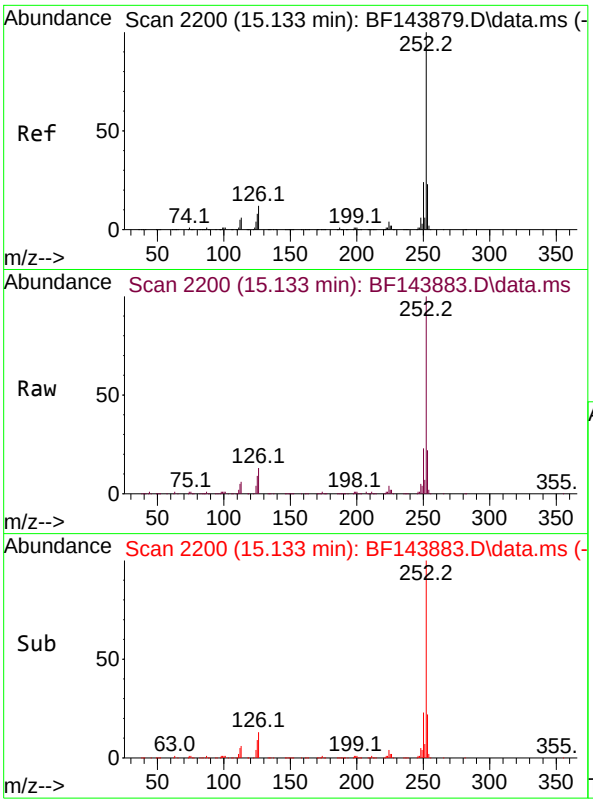


#88
Benzo(b)fluoranthene
Concen: 37.533 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

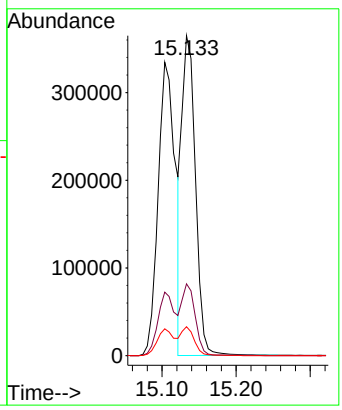
Tgt Ion:252 Resp: 46739

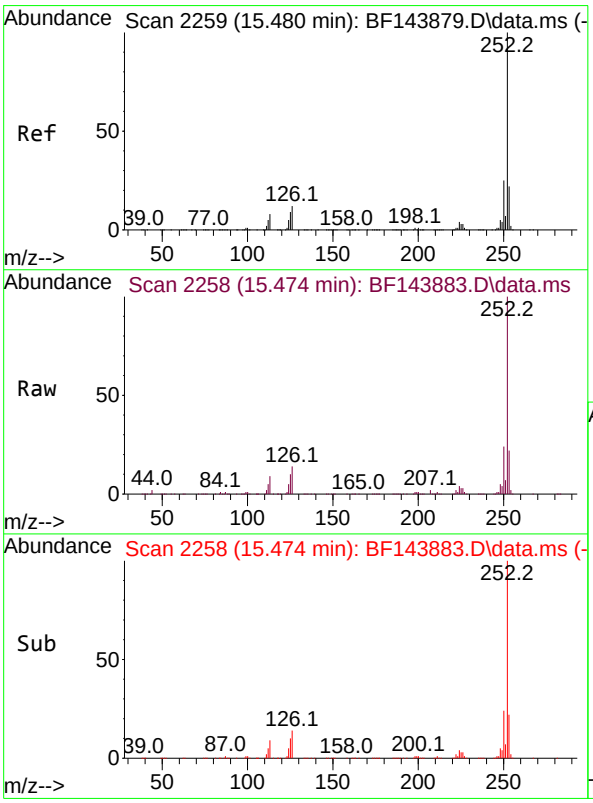
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	9.0	7.4	11.2

Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025

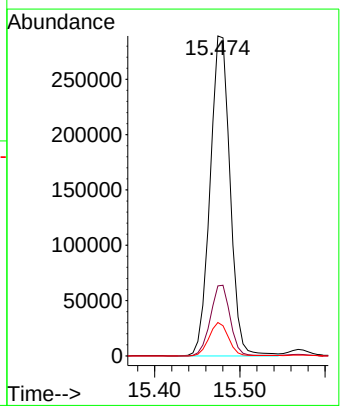


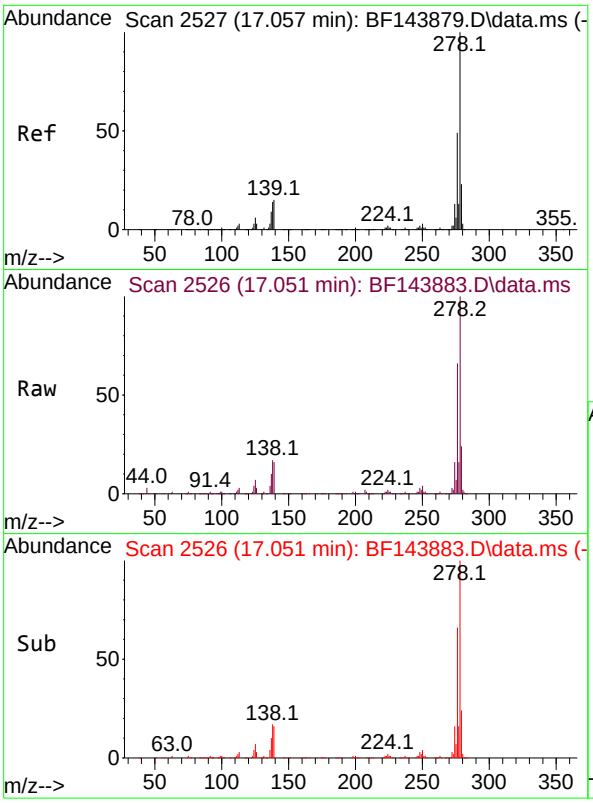


#90
Benzo(a)pyrene
Concen: 37.900 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

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

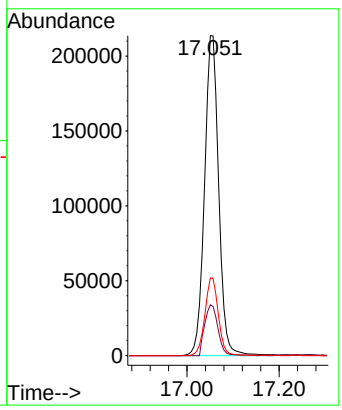




#91
Dibenzo(a,h)anthracene
Concen: 36.995 ng
RT: 17.051 min Scan# 2
Delta R.T. -0.029 min
Lab File: BF143883.D
Acq: 06 Oct 2025 16:08

Tgt Ion:278 Resp: 45477

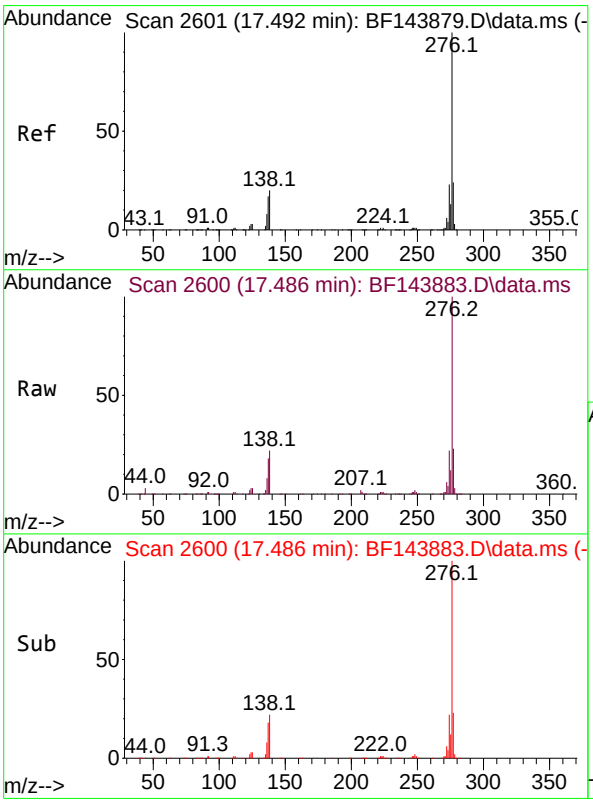
Ion	Ratio	Lower	Upper
278	100		
139	15.9	11.7	17.5
279	24.3	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
ICVBF100625

Manual Integrations
APPROVED

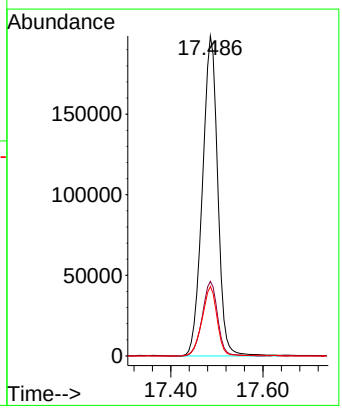
Reviewed By :Rahul Chavli 10/07/2025
Supervised By :Jagrut Upadhyay 10/07/2025



#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-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064569.D 5 =BG064570.D 10 =BG064571.D 20 =BG064572.D 40 =BG064573.D 50 =BG064576.D 60 =BG064574.D 80 =BG0645
75.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.570	0.581	0.524	0.525	0.474	0.559	0.460	0.528	8.85
3)		Pyridine		1.630	1.608	1.552	1.669	1.471	1.733	1.427	1.584	6.84
4)		n-Nitrosodimet...			0.912	0.807	0.900	0.780	0.921	0.776	0.850	8.08
5)	S	2-Fluorophenol		1.098	1.207	1.155	1.292	1.139	1.318	1.132	1.192	7.09
6)		Aniline		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
7)	S	Phenol-d6		1.469	1.654	1.566	1.771	1.597	1.864	1.524	1.635	8.55
8)		2-Chlorophenol		1.051	1.207	1.197	1.373	1.225	1.461	1.216	1.247	10.65
9)		Benzaldehyde			0.942	0.994	0.940	0.836	0.981	0.662	0.893	14.09
10)	C	Phenol		1.665	1.820	1.748	1.944	1.761	2.027	1.693	1.808	7.36
11)		bis(2-Chloroet...		2.203	2.320	2.131	2.386	2.090	2.440	2.004	2.225	7.28
12)		1,3-Dichlorobe...		1.435	1.516	1.394	1.520	1.342	1.542	1.299	1.435	6.62
13)	C	1,4-Dichlorobe...		1.431	1.546	1.442	1.534	1.381	1.561	1.323	1.460	6.21
14)		1,2-Dichlorobe...		1.371	1.518	1.364	1.483	1.316	1.520	1.283	1.408	6.97
15)		Benzyl Alcohol			1.281	1.263	1.425	1.306	1.533	1.283	1.348	7.97
16)		2,2'-oxybis(1-...		3.421	3.604	3.396	3.733	3.301	3.802	3.154	3.487	6.74
17)		2-Methylphenol		0.548	0.670	0.646	0.745	0.677	0.793	0.638	0.674	11.71
18)		Hexachloroethane		0.468	0.535	0.505	0.541	0.496	0.557	0.483	0.512	6.41
19)	P	n-Nitroso-di-n...	1.044	1.038	1.141	1.129	1.227	1.115	1.289	1.057	1.130	7.93
20)		3+4-Methylphenols			1.652	1.581	1.818	1.612	1.895	1.571	1.688	8.04
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.535	0.565	0.528	0.584	0.516	0.590	0.509	0.547	6.04
23)	S	Nitrobenzene-d5		0.239	0.286	0.314	0.377	0.356	0.403	0.356	0.333	17.02
24)		Nitrobenzene		0.274	0.312	0.344	0.410	0.377	0.438	0.380	0.362	15.64
25)		Isophorone		0.751	0.796	0.771	0.869	0.764	0.891	0.751	0.799	7.25
26)	C	2-Nitrophenol		0.076	0.095	0.110	0.137	0.135	0.152	0.144	0.121	23.20
27)		2,4-Dimethylph...		0.236	0.294	0.285	0.335	0.309	0.359	0.303	0.303	12.88
28)		bis(2-Chloroet...		0.452	0.464	0.443	0.490	0.426	0.493	0.417	0.455	6.48
29)	C	2,4-Dichloroph...		0.243	0.299	0.315	0.360	0.327	0.373	0.322	0.320	13.34
30)		1,2,4-Trichlor...		0.338	0.369	0.348	0.391	0.349	0.399	0.349	0.363	6.44
31)		Naphthalene		1.083	1.144	1.084	1.177	1.036	1.201	1.037	1.109	5.96
32)		Benzoic acid			0.100	0.143	0.204	0.215	0.245	0.229	0.189	29.61
33)		4-Chloroaniline		0.390	0.456	0.411	0.459	0.410	0.486	0.405	0.431	8.29
34)	C	Hexachlorobuta...		0.266	0.291	0.282	0.299	0.271	0.306	0.273	0.284	5.33
35)		Caprolactam			0.112	0.114	0.134	0.118	0.142	0.116	0.123	9.85
36)	C	4-Chloro-3-met...		0.323	0.381	0.361	0.426	0.376	0.454	0.370	0.384	11.18
37)		2-Methylnaphth...		0.764	0.858	0.797	0.865	0.772	0.888	0.755	0.814	6.74
38)		1-Methylnaphth...		0.764	0.849	0.776	0.853	0.752	0.878	0.735	0.801	7.18

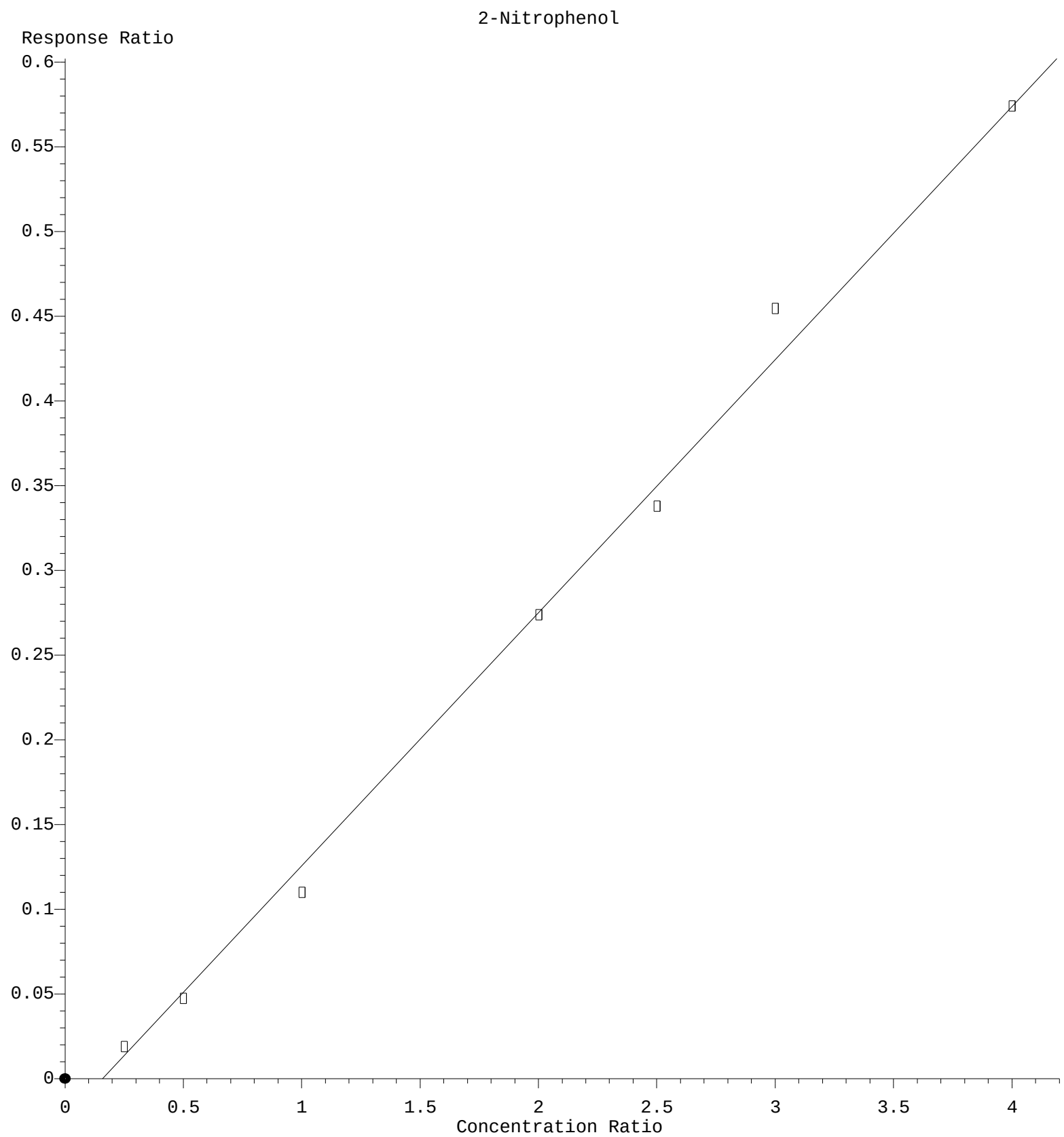
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.657	0.684	0.648	0.702	0.633	0.717	0.657	0.671	4.55
41)	P	Hexachlorocycl...		0.268	0.279	0.324	0.297	0.340	0.305	0.302	8.97
42)	S	2,4,6-Tribromo...	0.221	0.266	0.272	0.318	0.292	0.346	0.306	0.289	14.04
43)	C	2,4,6-Trichlor...	0.294	0.333	0.375	0.423	0.399	0.456	0.408	0.384	14.41
44)		2,4,5-Trichlor...	0.339	0.425	0.439	0.484	0.443	0.517	0.454	0.443	12.48
45)	S	2-Fluorobiphenyl	1.310	1.389	1.306	1.384	1.235	1.384	1.228	1.319	5.24
46)		1,1'-Biphenyl	1.456	1.450	1.401	1.489	1.326	1.498	1.333	1.422	4.98
47)		2-Chloronaphth...	1.065	1.082	1.053	1.132	1.013	1.145	1.023	1.073	4.71
48)		2-Nitroaniline	0.201	0.234	0.277	0.348	0.343	0.404	0.367	0.311	24.06
49)		Acenaphthylene	1.667	1.726	1.647	1.786	1.593	1.827	1.604	1.693	5.30
50)		Dimethylphthalate	1.389	1.570	1.488	1.641	1.462	1.699	1.462	1.530	7.21
51)		2,6-Dinitrotol...	0.127	0.180	0.193	0.247	0.244	0.283	0.254	0.218	24.69
52)	C	Acenaphthene	1.126	1.178	1.115	1.223	1.093	1.261	1.101	1.157	5.63
53)		3-Nitroaniline	0.180	0.211	0.252	0.294	0.281	0.325	0.297	0.263	19.70
54)	P	2,4-Dinitrophenol		0.086	0.110	0.137	0.139	0.165	0.154	0.132	22.11
55)		Dibenzofuran	1.881	1.972	1.826	1.963	1.734	1.988	1.725	1.870	5.96
56)	P	4-Nitrophenol		0.191	0.213	0.261	0.250	0.283	0.267	0.244	14.40
57)		2,4-Dinitrotol...	0.223	0.269	0.300	0.385	0.373	0.434	0.396	0.340	22.67
58)		Fluorene	1.471	1.559	1.426	1.531	1.356	1.549	1.329	1.460	6.38
59)		2,3,4,6-Tetrac...	0.312	0.385	0.402	0.466	0.444	0.508	0.449	0.424	15.04
60)		Diethylphthalate	1.417	1.645	1.514	1.657	1.486	1.718	1.502	1.563	7.06
61)		4-Chlorophenyl...	0.800	0.864	0.792	0.866	0.763	0.888	0.763	0.820	6.38
62)		4-Nitroaniline	0.194	0.252	0.286	0.327	0.310	0.355	0.324	0.293	18.55
63)		Azobenzene	1.362	1.504	1.377	1.538	1.338	1.564	1.353	1.434	6.80
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.055	0.064	0.083	0.083	0.097	0.093	0.079	21.00
66)	c	n-Nitrosodiphe...	0.510	0.551	0.525	0.583	0.518	0.594	0.500	0.540	6.79
67)		4-Bromophenyl-...	0.218	0.236	0.230	0.258	0.229	0.264	0.224	0.237	7.28
68)		Hexachlorobenzene	0.254	0.266	0.262	0.292	0.260	0.302	0.256	0.270	6.99
69)		Atrazine	0.215	0.227	0.249	0.245	0.219	0.261	0.211	0.232	8.27
70)	C	Pentachlorophenol		0.132	0.152	0.180	0.172	0.199	0.177	0.169	13.91
71)		Phenanthrene	1.084	1.133	1.073	1.162	1.020	1.179	1.005	1.094	6.17
72)		Anthracene	1.087	1.144	1.101	1.187	1.041	1.204	1.025	1.113	6.17
73)		Carbazole	0.982	1.037	0.982	1.031	0.910	1.028	0.897	0.981	5.90
74)		Di-n-butylphth...	1.011	1.156	1.179	1.240	1.084	1.198	1.075	1.134	7.11
75)	C	Fluoranthene	1.385	1.463	1.380	1.440	1.273	1.403	1.247	1.370	5.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.392	0.475	0.490	0.416	0.533	0.383	0.448	13.40
78)		Pyrene	1.287	1.331	1.284	1.411	1.233	1.406	1.196	1.307	6.24
79)	S	Terphenyl-d14	1.074	1.120	1.066	1.142	0.987	1.102	0.928	1.060	7.21
80)		Butylbenzylpht...	0.284	0.359	0.388	0.450	0.408	0.467	0.410	0.395	15.43
81)		Benzo(a)anthra...	1.294	1.355	1.292	1.416	1.253	1.430	1.243	1.326	5.71
82)		3,3'-Dichlorob...		0.418	0.428	0.477	0.424	0.486	0.424	0.443	6.88
83)		Chrysene	1.249	1.291	1.229	1.344	1.188	1.359	1.173	1.262	5.76
84)		Bis(2-ethylhex...	0.484	0.555	0.581	0.671	0.585	0.667	0.588	0.590	10.95
85)	c	Di-n-octyl pht...		0.871	0.932	1.087	0.976	1.117	0.986	0.995	9.32

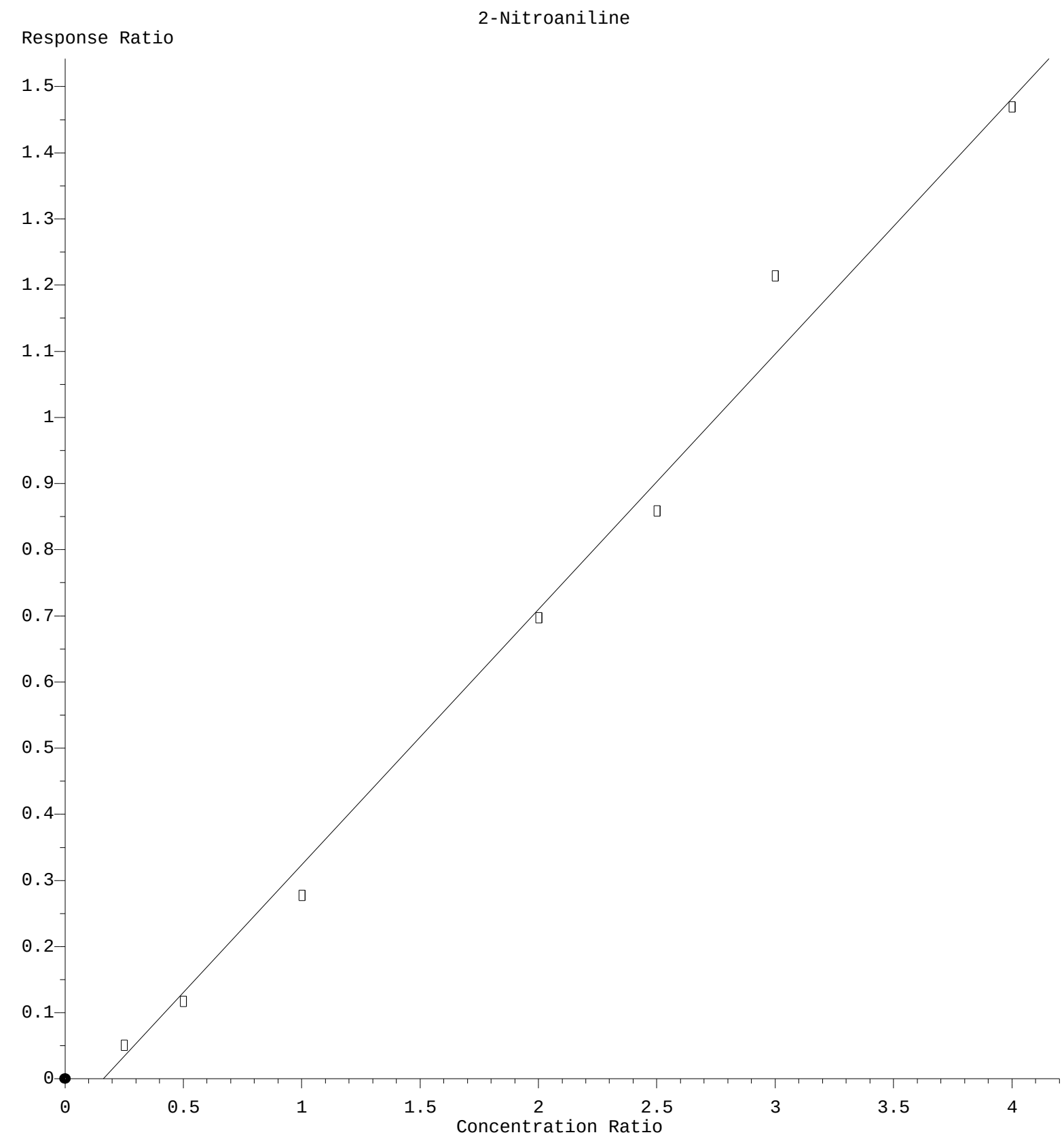
Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG102425.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80
88)		Benzo(b)fluora...	1.138	1.246	1.169	1.322	1.173	1.353	1.183	1.226	6.77
89)		Benzo(k)fluora...	1.175	1.260	1.206	1.285	1.151	1.364	1.149	1.227	6.51
90)	C	Benzo(a)pyrene	1.061	1.144	1.093	1.202	1.067	1.246	1.079	1.127	6.42
91)		Dibenzo(a,h)an...	1.120	1.223	1.158	1.268	1.130	1.324	1.143	1.195	6.55
92)		Benzo(g,h,i)pe...	1.383	1.491	1.410	1.568	1.396	1.642	1.410	1.471	6.80

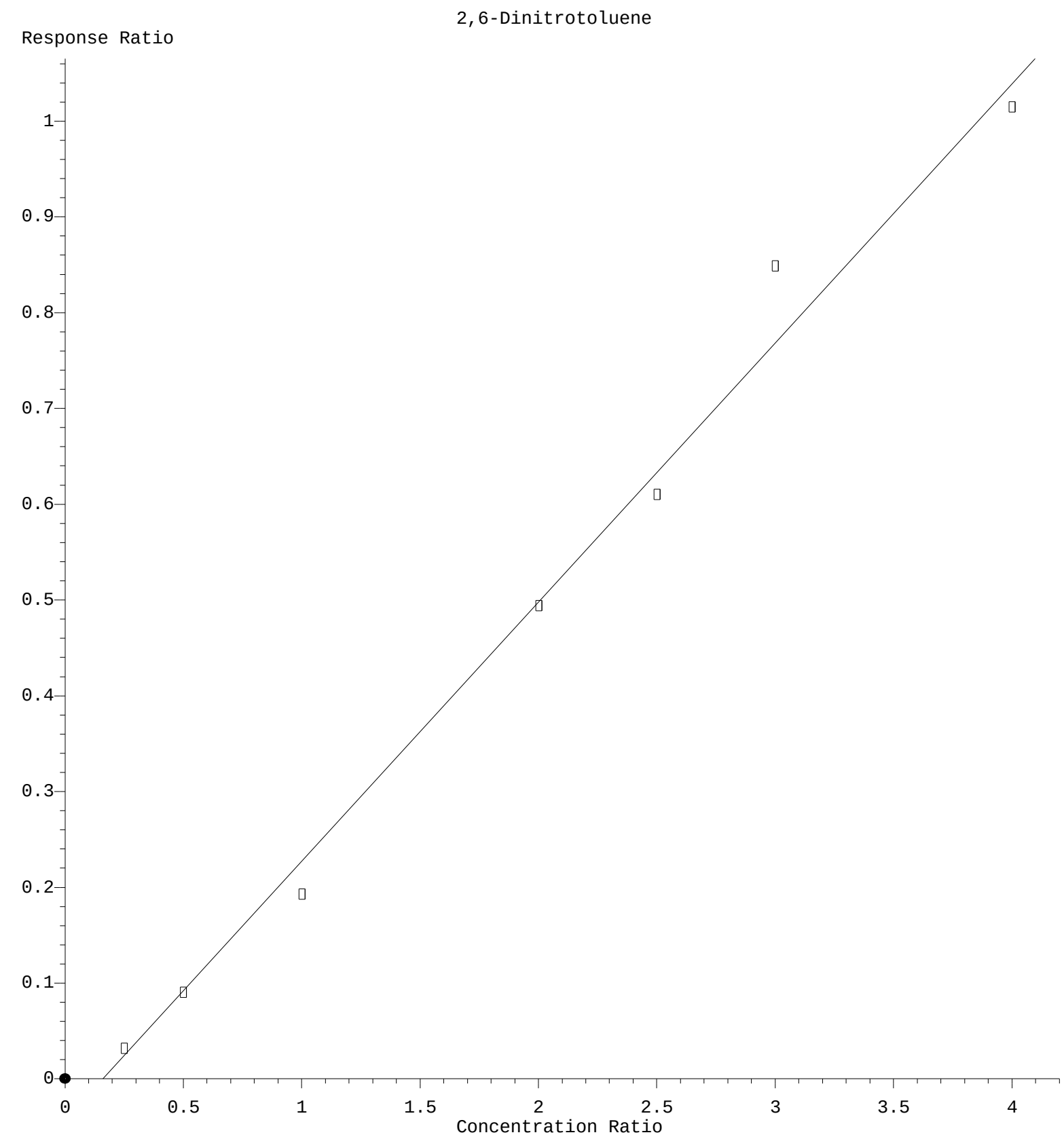
(#) = Out of Range



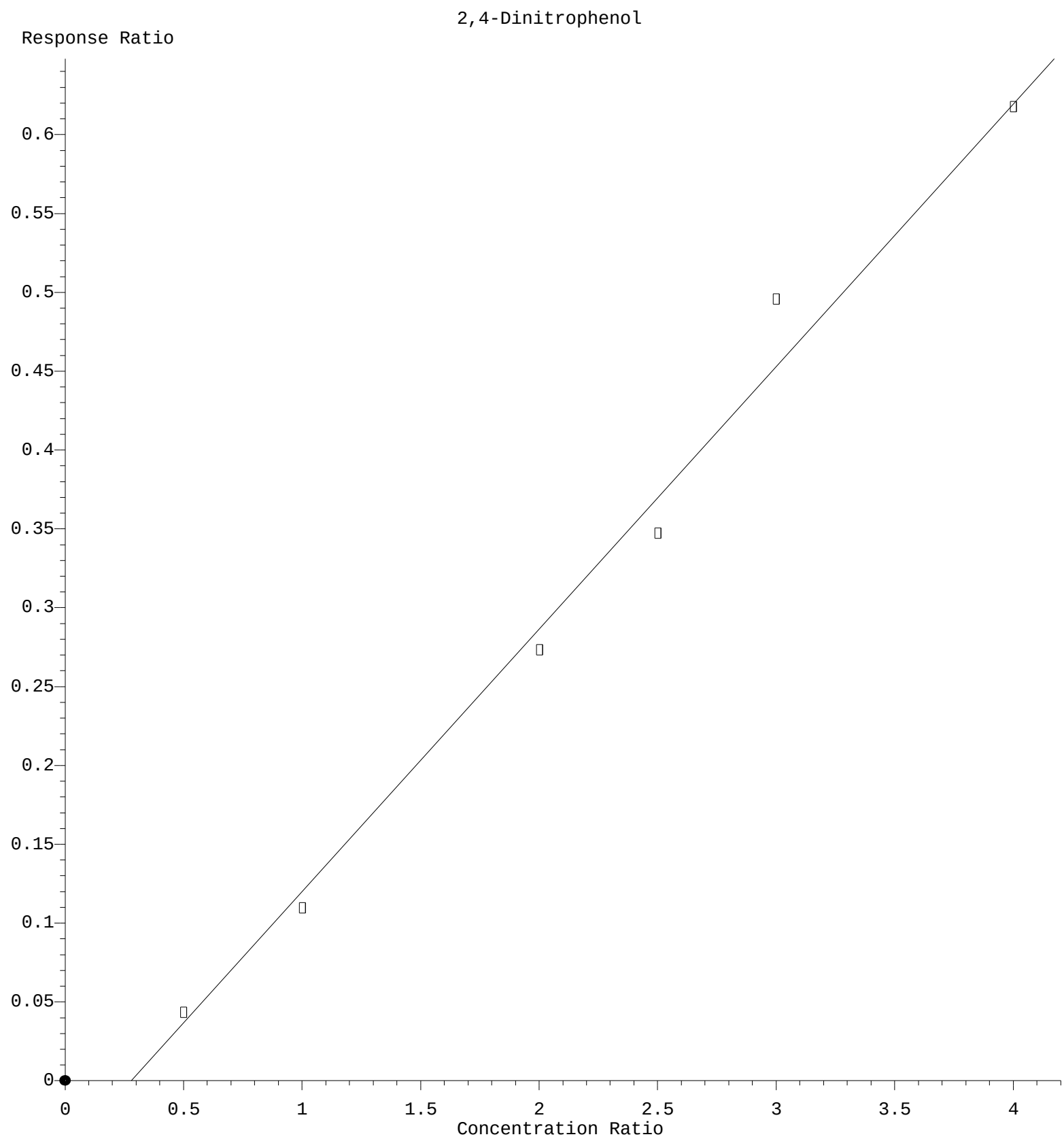
Response = 1.495e-001 * Amt - 2.340e-002
Coef of Det (r^2) = 0.995585 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



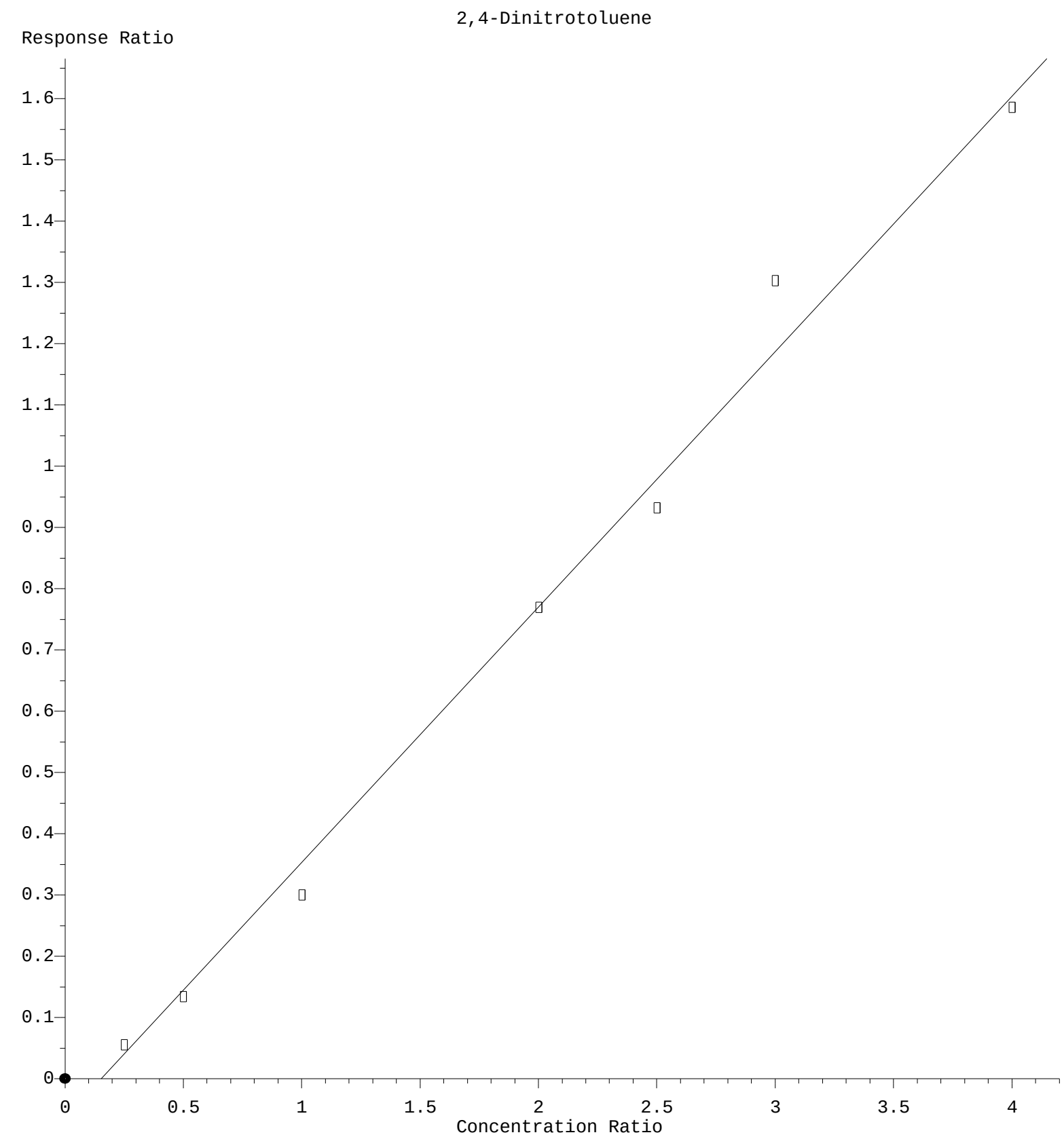
Response = 3.863e-001 * Amt - 6.228e-002
Coef of Det (r^2) = 0.991893 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



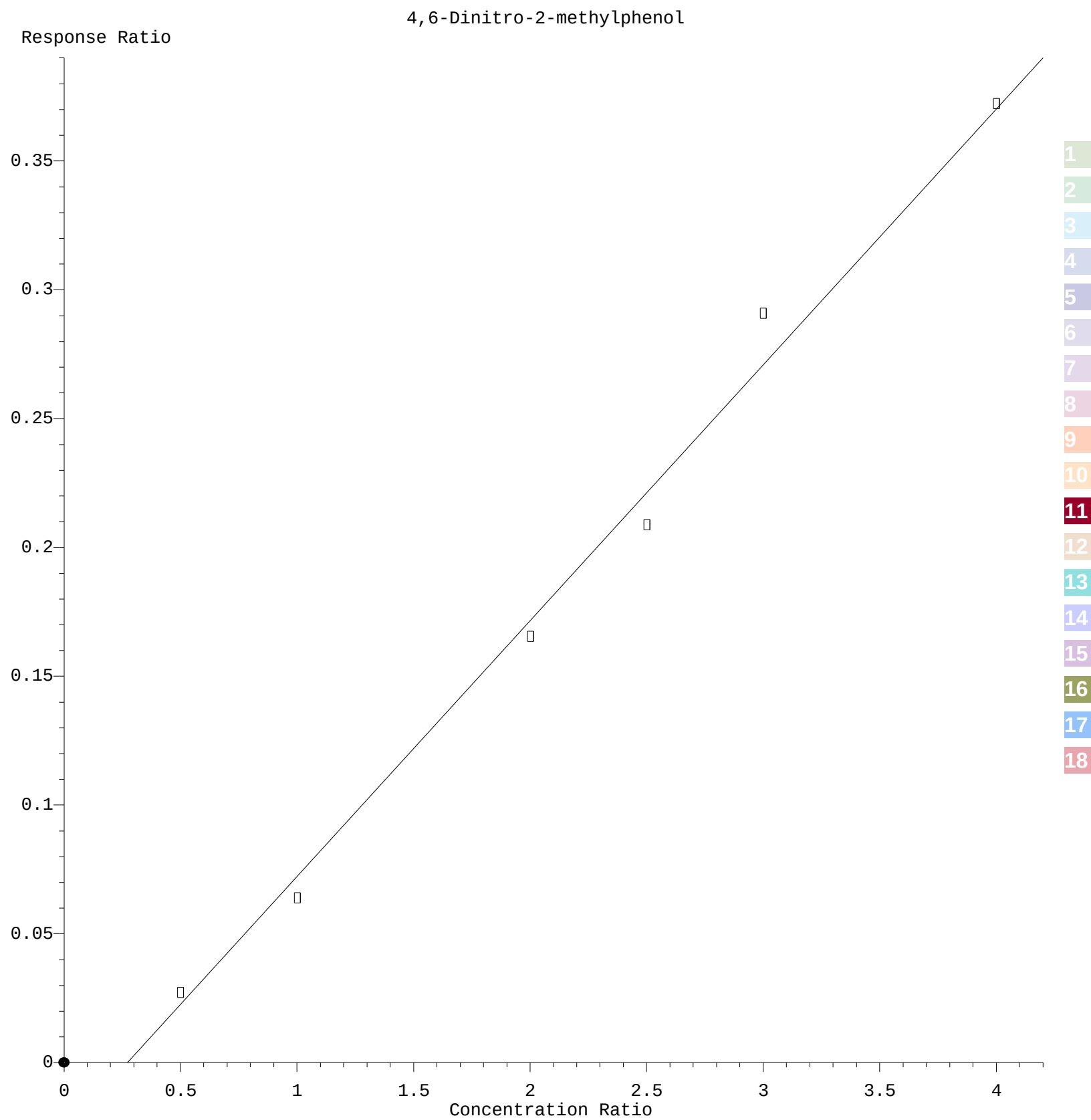
Response = 2.705e-001 * Amt - 4.319e-002
Coef of Det (r^2) = 0.992850 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 1.666e-001 * Amt - 4.640e-002
Coef of Det (r^2) = 0.992196 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 4.169e-001 * Amt - 6.360e-002
Coef of Det (r^2) = 0.992833 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025



Response = 9.922e-002 * Amt - 2.692e-002
Coef of Det (r^2) = 0.993360 Curve Fit: wlr(1/a)
Method Name: Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Calibration Table Last Updated: Fri Oct 24 16:40:26 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 24 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

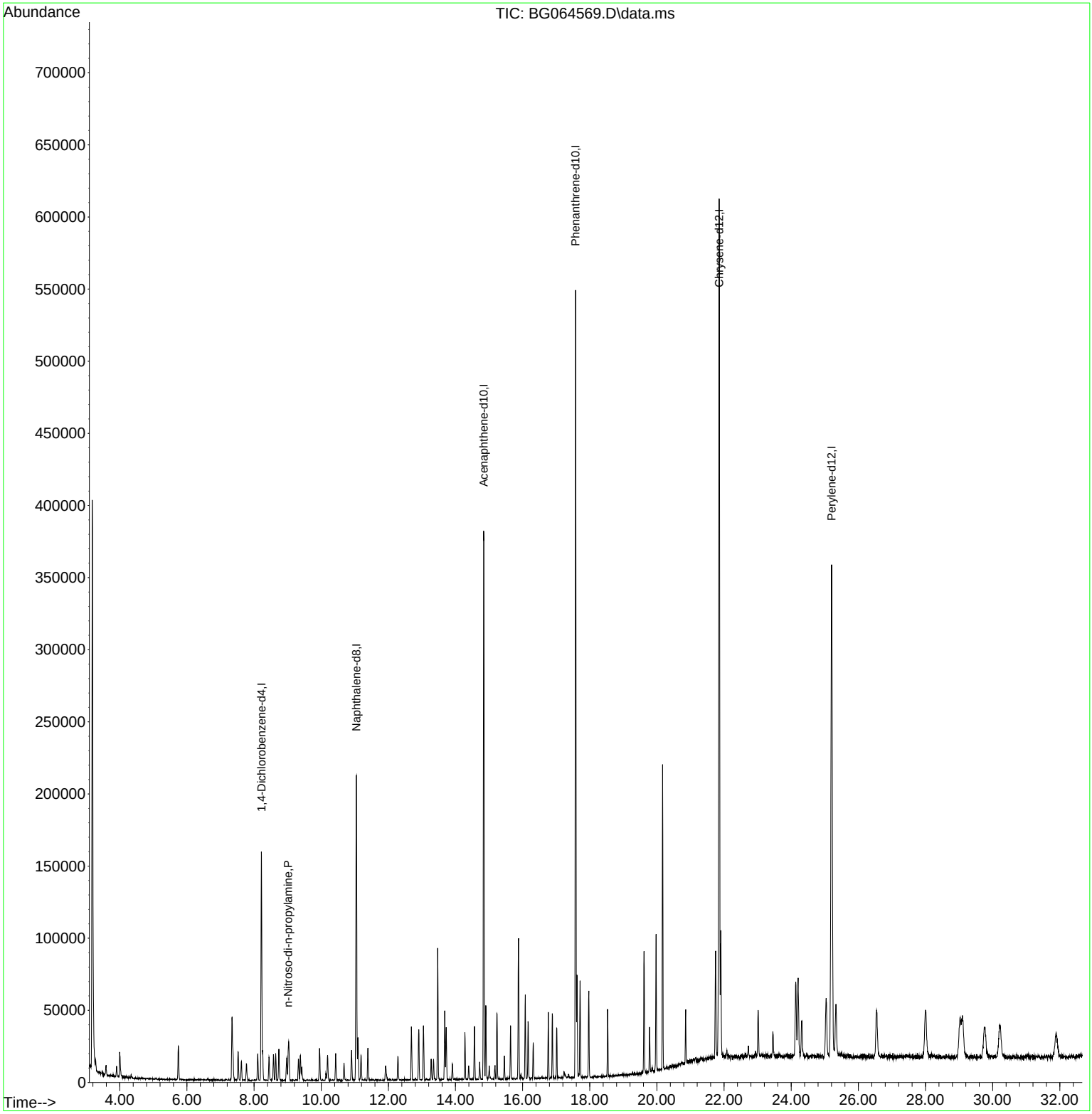
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	43718	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	174680	20.000	ng	0.00
39) Acenaphthene-d10	14.839	164	136814	20.000	ng	0.00
64) Phenanthrene-d10	17.577	188	341404	20.000	ng	0.00
76) Chrysene-d12	21.854	240	378586	20.000	ng	0.00
86) Perylene-d12	25.203	264	398350	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...	9.016	70	5707	2.310	ng	# 90

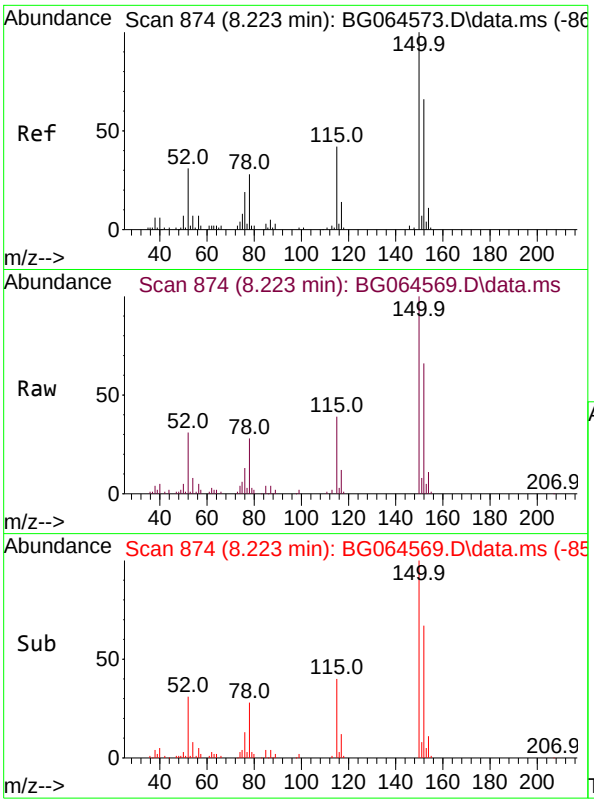
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064569.D
Acq On : 24 Oct 2025 9:00
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Quant Time: Oct 24 17:10:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration



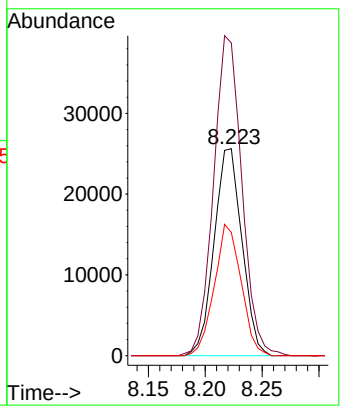


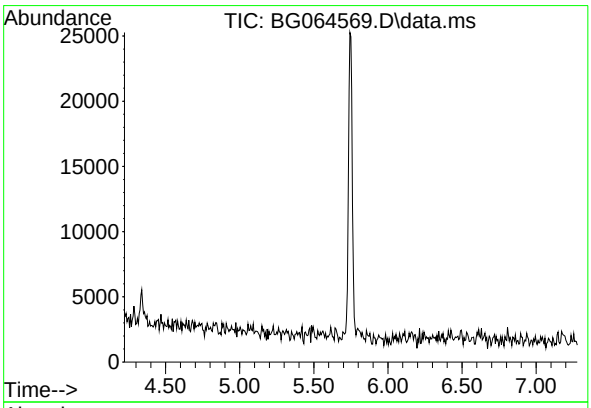
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 43718

Ion	Ratio	Lower	Upper
152	100		
150	151.2	122.2	183.4
115	59.5	50.8	76.2



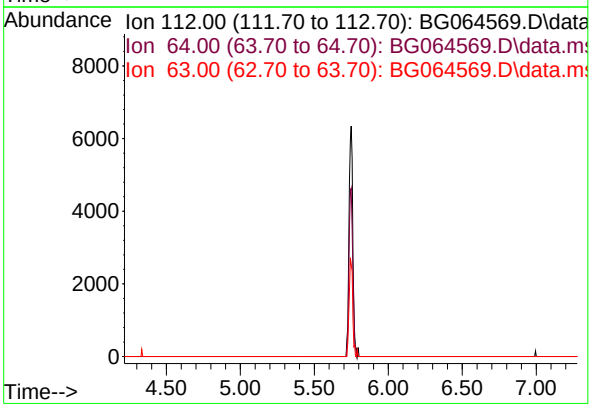


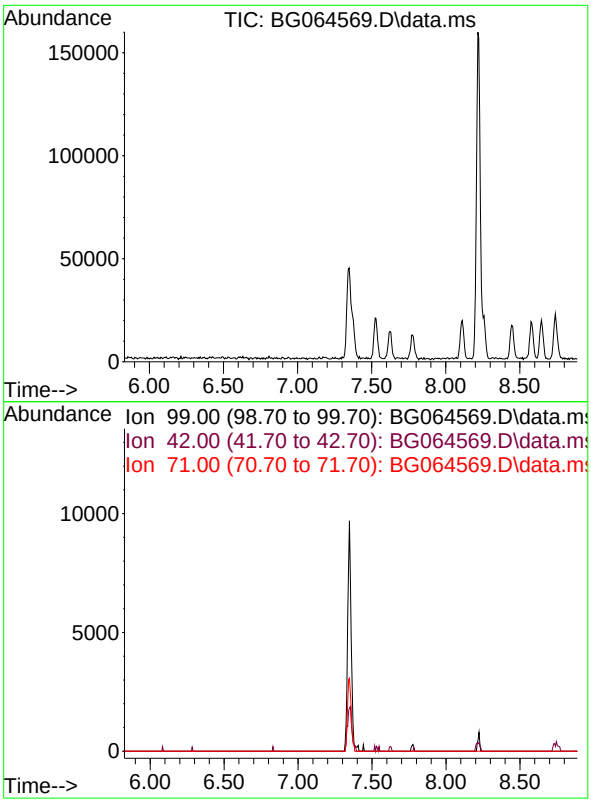
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.75 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	75.9
63	41.7





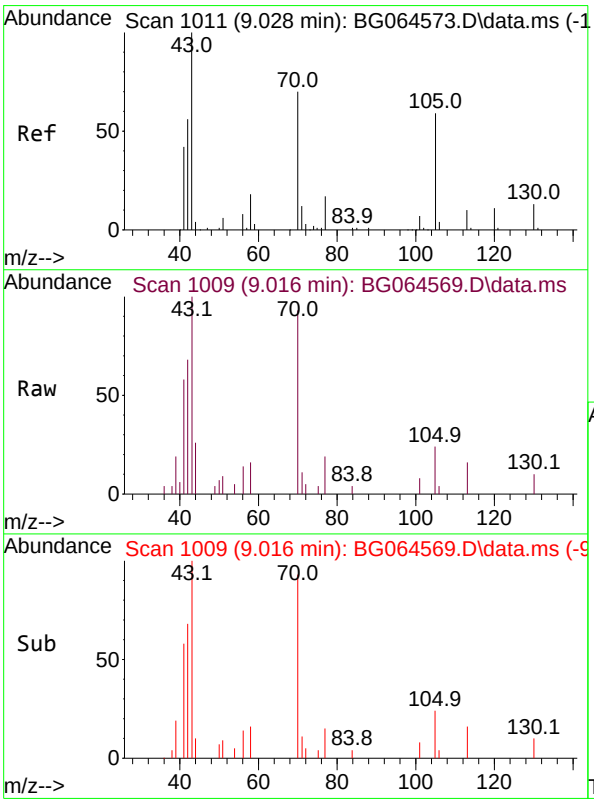
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 7.36 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

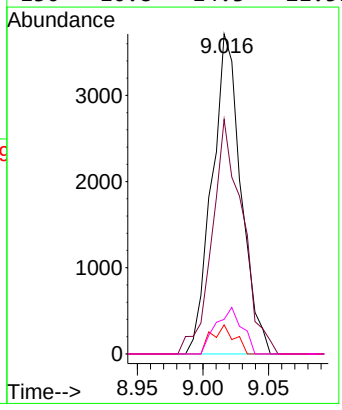
Sig	Exp Ratio
99	100
42	22.9
71	35.8

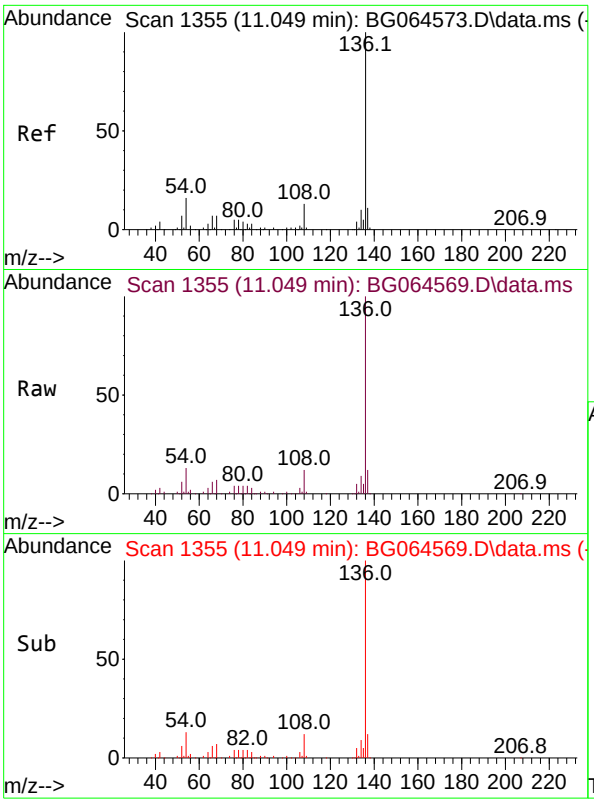


#19
n-Nitroso-di-n-propylamine
Concen: 2.310 ng
RT: 9.016 min Scan# 1009
Delta R.T. -0.015 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 70 Resp: 5707

Ion	Ratio	Lower	Upper
70	100		
42	73.3	65.2	97.8
101	9.1	7.9	11.9
130	10.8	14.3	21.5#



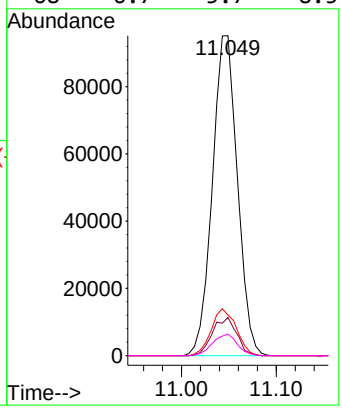


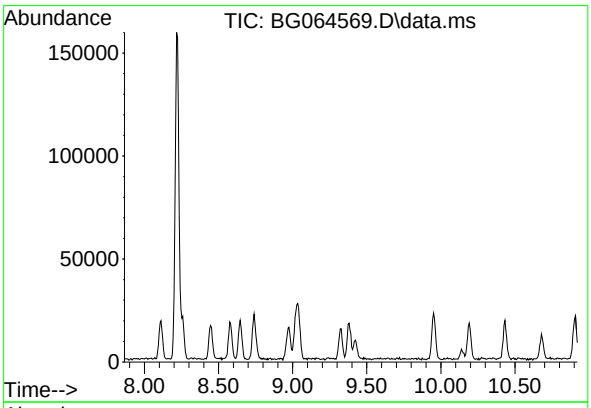
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 174680

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	12.7	12.6	19.0
68	6.7	5.7	8.5



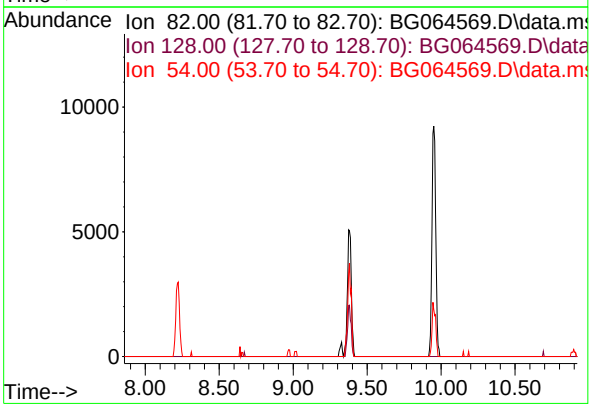


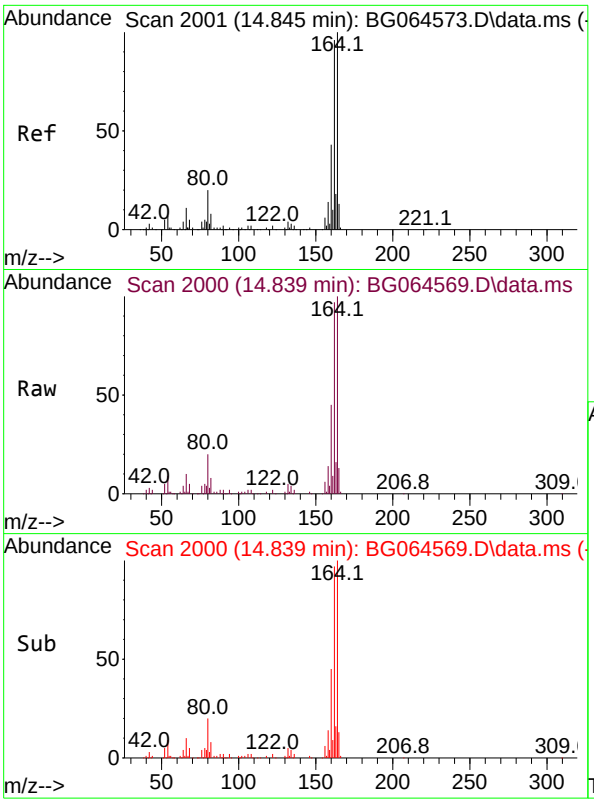
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 9.39 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	39.1
54	70.7



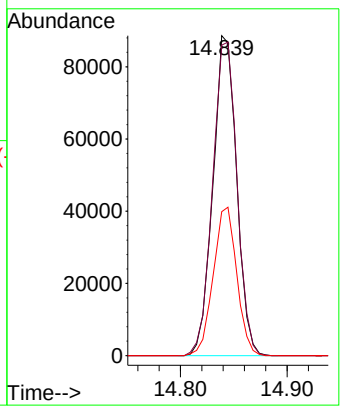


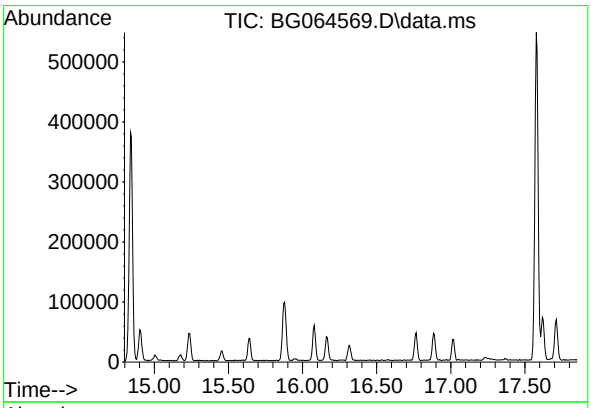
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 136814

Ion	Ratio	Lower	Upper
164	100		
162	97.0	77.0	115.6
160	45.0	34.4	51.6



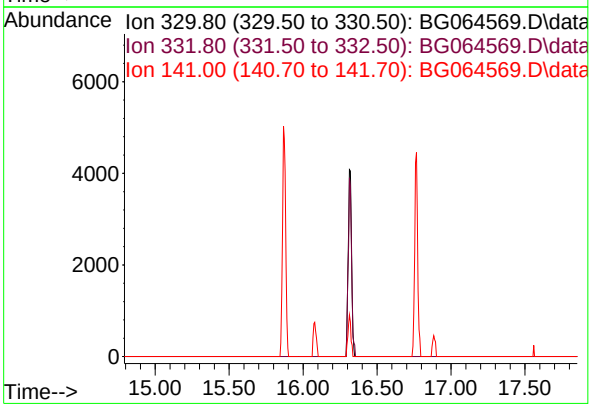


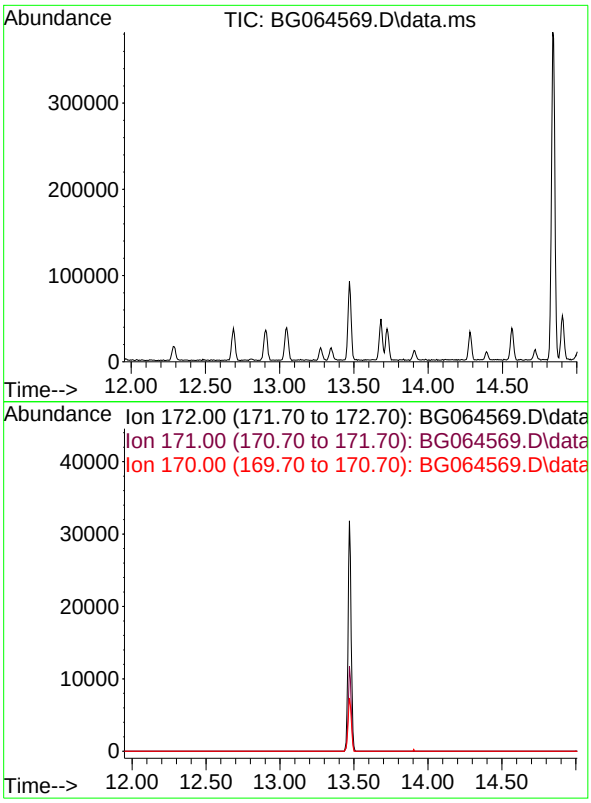
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 16.32 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	27.2





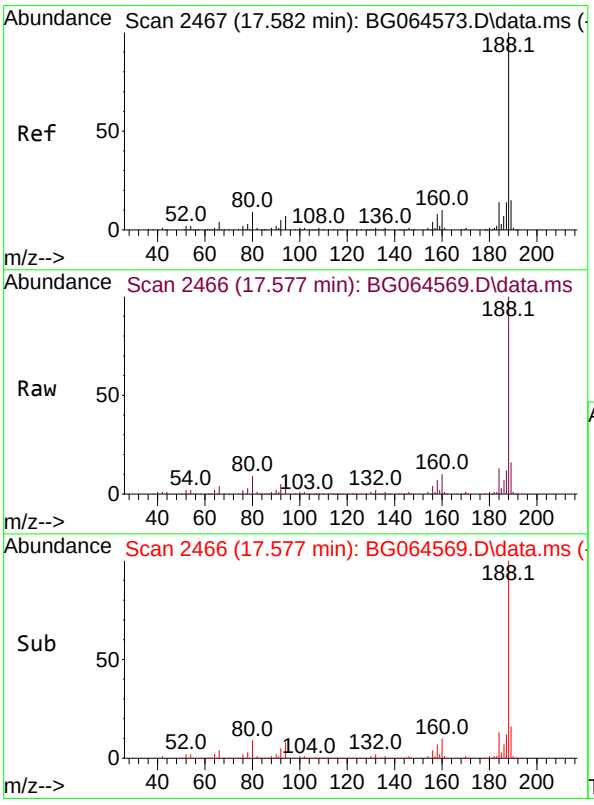
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 13.48 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

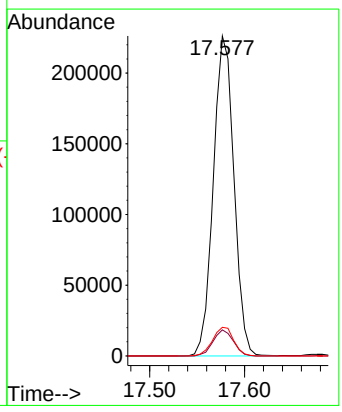
Sig	Exp Ratio
172	100
171	36.7
170	23.9

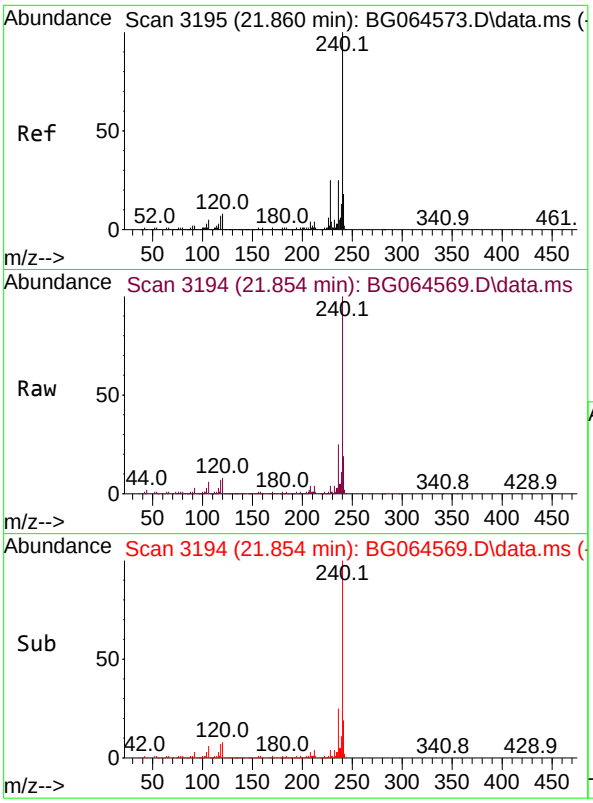


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion:188 Resp: 341404

Ion	Ratio	Lower	Upper
188	100		
94	8.1	5.7	8.5
80	8.9	6.8	10.2



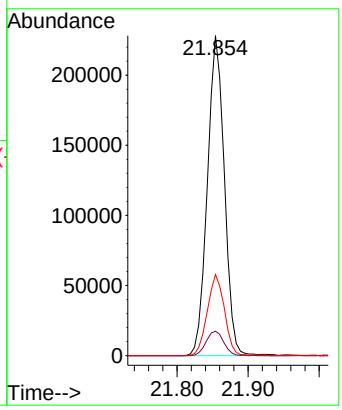


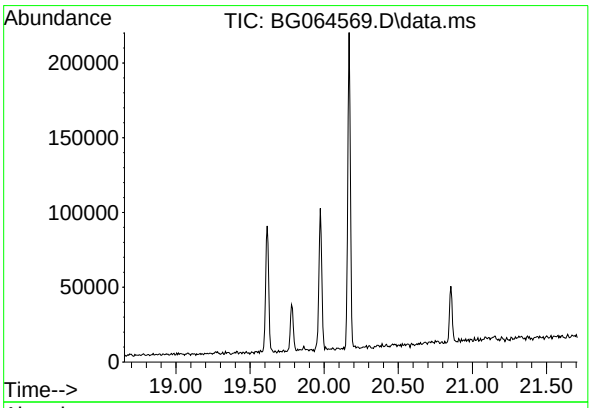
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 378586

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.4	20.2	30.2



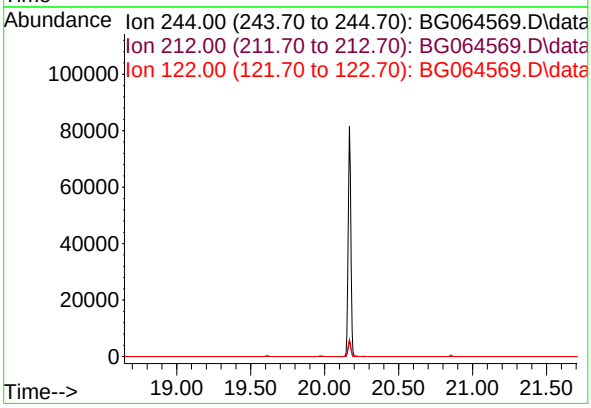


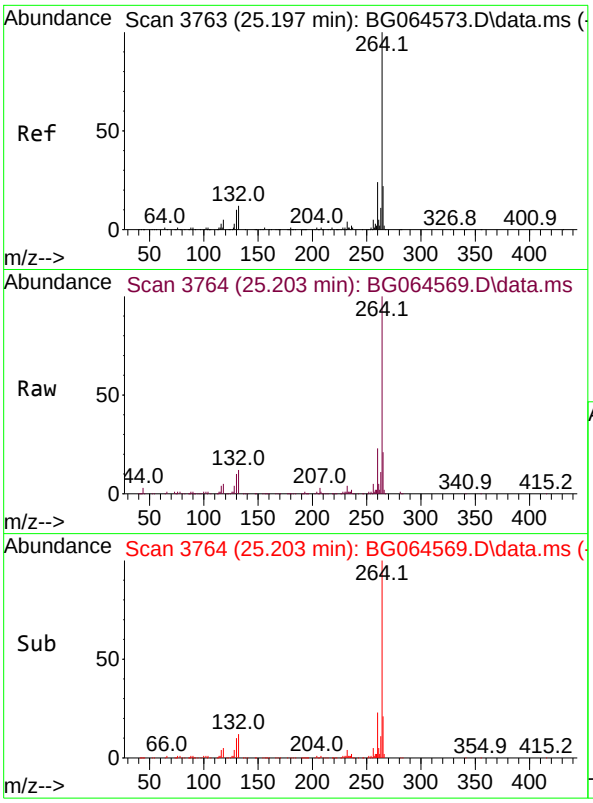
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 20.18 min

Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.6
122	7.0



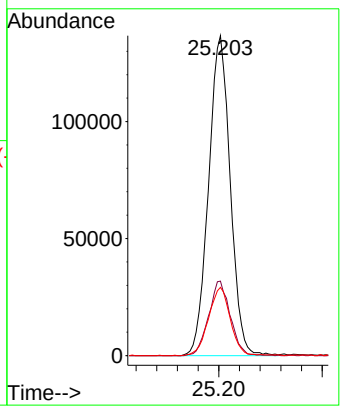


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064569.D
Acq: 24 Oct 2025 9:00

Instrument :
BNA_G
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 398350

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	21.3	17.6	26.4



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:10:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli
10/27/2025
Supervised By :Jagrut Upadhyay
10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40837	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168287	20.000	ng	#	0.00
39) Acenaphthene-d10	14.840	164	131387	20.000	ng		0.00
64) Phenanthrene-d10	17.578	188	331372	20.000	ng		0.00
76) Chrysene-d12	21.856	240	381389	20.000	ng		0.00
86) Perylene-d12	25.199	264	401350	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.745	112	22421	9.216	ng		0.00
7) Phenol-d6	7.349	99	30003	8.987	ng		0.00
23) Nitrobenzene-d5	9.382	82	20097	7.173	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	14514	7.654	ng		0.00
45) 2-Fluorobiphenyl	13.471	172	86089	9.932	ng		0.00
79) Terphenyl-d14	20.169	244	204719	10.130	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	5823	5.406	ng		95
3) Pyridine	4.000	79	16637	5.143	ng		89
6) Aniline	7.525	93	22494	4.952	ng		98
8) 2-Chlorophenol	7.778	128	10732	4.214	ng		96
10) Phenol	7.373	94	16995	4.603	ng		96
11) bis(2-Chloroethyl)ether	7.525	93	22494	4.952	ng		96
12) 1,3-Dichlorobenzene	8.113	146	14650	4.998	ng		93
13) 1,4-Dichlorobenzene	8.260	146	14611m	4.903	ng		
14) 1,2-Dichlorobenzene	8.583	146	13994	4.868	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.736	45	34925	4.905	ng		97
17) 2-Methylphenol	8.442	107	5591	4.063	ng		92
18) Hexachloroethane	9.329	117	4773	4.564	ng		97
19) n-Nitroso-di-n-propyla...	9.024	70	10596	4.592	ng		92
22) Acetophenone	9.035	105	22505	4.892	ng	#	92
24) Nitrobenzene	9.423	77	11526	3.782	ng	#	95
25) Isophorone	9.946	82	31609	4.701	ng	#	93
26) 2-Nitrophenol	10.140	139	3186	5.664	ng		99
27) 2,4-Dimethylphenol	10.193	122	9925	3.891	ng		92
28) bis(2-Chloroethoxy)met...	10.434	93	18999	4.963	ng		95
29) 2,4-Dichlorophenol	10.680	162	10223	3.798	ng		89
30) 1,2,4-Trichlorobenzene	10.904	180	14238	4.656	ng		97
31) Naphthalene	11.098	128	45559	4.883	ng		98
33) 4-Chloroaniline	11.186	127	16429	4.530	ng		93
34) Hexachlorobutadiene	11.391	225	11212	4.688	ng		95
36) 4-Chloro-3-methylphenol	12.290	107	13604	4.205	ng		94
37) 2-Methylnaphthalene	12.690	142	32129	4.690	ng		97
38) 1-Methylnaphthalene	12.901	142	33515m	4.972	ng		
40) 1,2,4,5-Tetrachloroben...	13.048	216	21576	4.893	ng		99
43) 2,4,6-Trichlorophenol	13.277	196	9650	3.826	ng		93
44) 2,4,5-Trichlorophenol	13.342	196	11151	3.831	ng	#	91
46) 1,1'-Biphenyl	13.683	154	47840	5.122	ng		95
47) 2-Chloronaphthalene	13.724	162	34977	4.961	ng		96
48) 2-Nitroaniline	13.906	65	6601	5.826	ng		87
49) Acenaphthylene	14.564	152	54748	4.923	ng		98
50) Dimethylphthalate	14.282	163	45639	4.540	ng		98
51) 2,6-Dinitrotoluene	14.394	165	4161	5.535	ng	#	91

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:10:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	14.905	154	36982	4.867	ng		96
53) 3-Nitroaniline	14.717	138	5903	3.417	ng	#	96
55) Dibenzofuran	15.234	168	61779	5.029	ng		97
57) 2,4-Dinitrotoluene	15.175	165	7312	5.721	ng	#	80
58) Fluorene	15.880	166	48305	5.035	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.451	232	10241	3.679	ng	#	95
60) Diethylphthalate	15.639	149	46534	4.533	ng		98
61) 4-Chlorophenyl-phenyle...	15.874	204	26270	4.880	ng		97
62) 4-Nitroaniline	15.869	138	6383	3.321	ng		90
63) Azobenzene	16.162	77	44729	4.749	ng		98
66) n-Nitrosodiphenylamine	16.080	169	42291	4.725	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	18064	4.600	ng		95
68) Hexachlorobenzene	16.885	284	21076	4.705	ng		95
69) Atrazine	17.014	200	17783	4.616	ng		94
71) Phenanthrene	17.619	178	89771	4.954	ng		99
72) Anthracene	17.713	178	90063	4.886	ng		99
73) Carbazole	17.966	167	81350	5.005	ng		98
74) Di-n-butylphthalate	18.530	149	83713	4.454	ng		99
75) Fluoranthene	19.617	202	114724	5.054	ng		98
78) Pyrene	19.975	202	122676	4.923	ng		98
80) Butylbenzylphthalate	20.857	149	27072	3.595	ng		94
81) Benzo(a)anthracene	21.832	228	123345	4.878	ng		98
83) Chrysene	21.903	228	119080	4.949	ng		97
84) Bis(2-ethylhexyl)phtha...	21.750	149	46117	4.098	ng		98
87) Indeno(1,2,3-cd)pyrene	29.030	276	138758	4.700	ng	#	88
88) Benzo(b)fluoranthene	24.129	252	114203	4.640	ng		98
89) Benzo(k)fluoranthene	24.200	252	117893	4.787	ng		99
90) Benzo(a)pyrene	25.040	252	106414	4.704	ng		99
91) Dibenzo(a,h)anthracene	29.100	278	112398	4.686	ng		96
92) Benzo(g,h,i)perylene	29.030	276	138758	4.700	ng		96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064570.D
Acq On : 24 Oct 2025 9:41
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 24 17:10:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC005

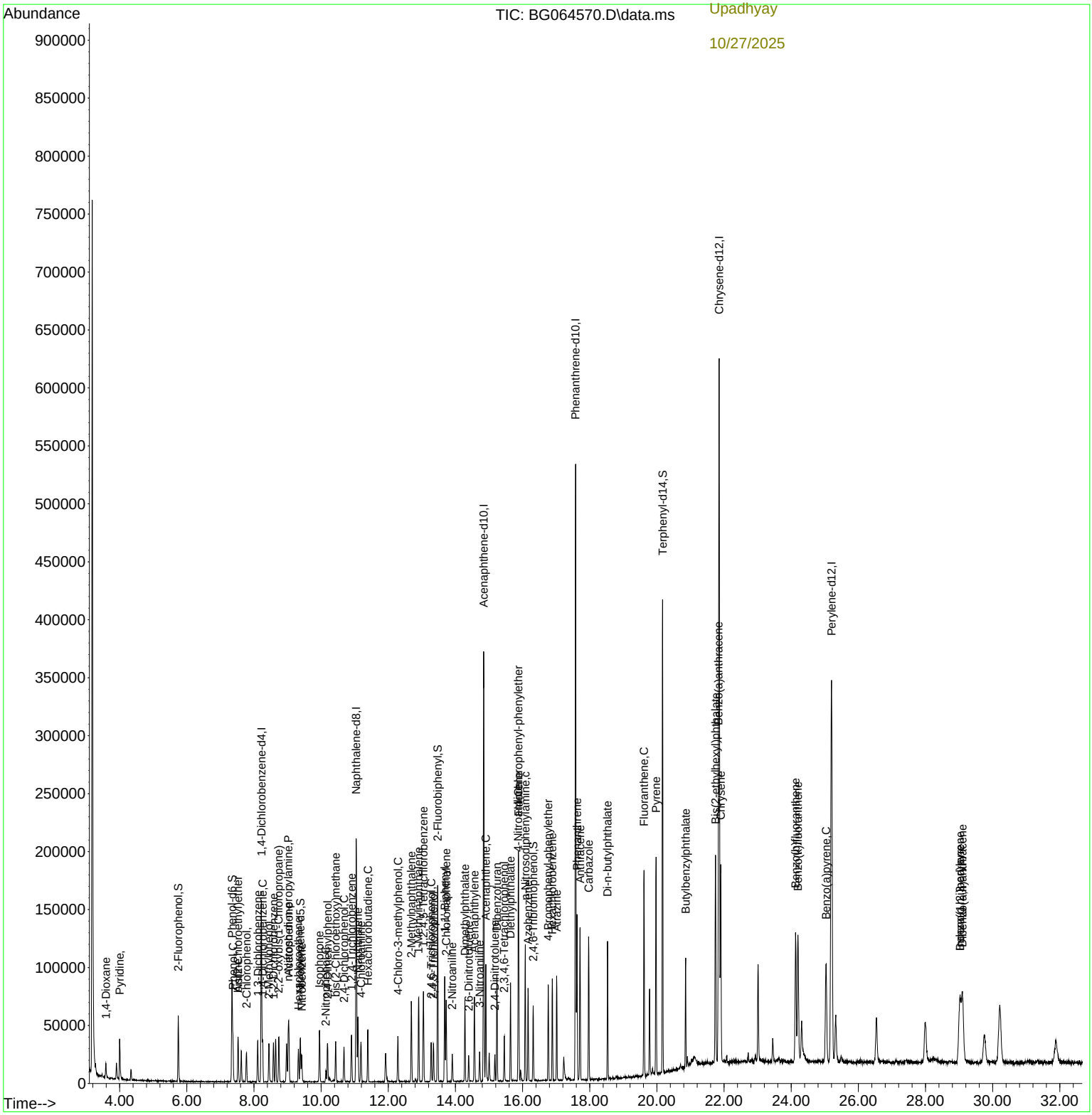
Manual Integrations APPROVED

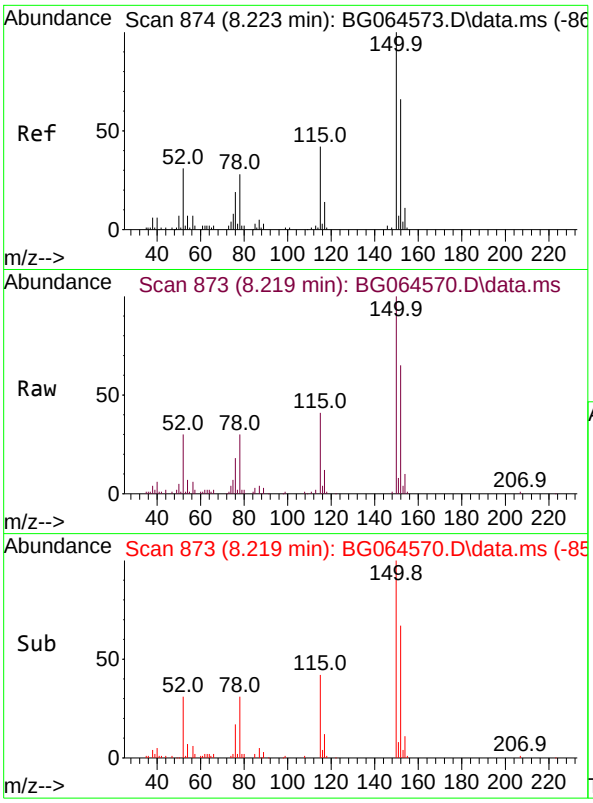
Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

10/27/2025

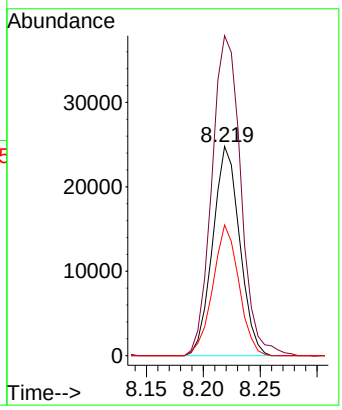




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 4083

Ion	Ratio	Lower	Upper
152	100		
150	153.0	122.2	183.4
115	62.5	50.8	76.2



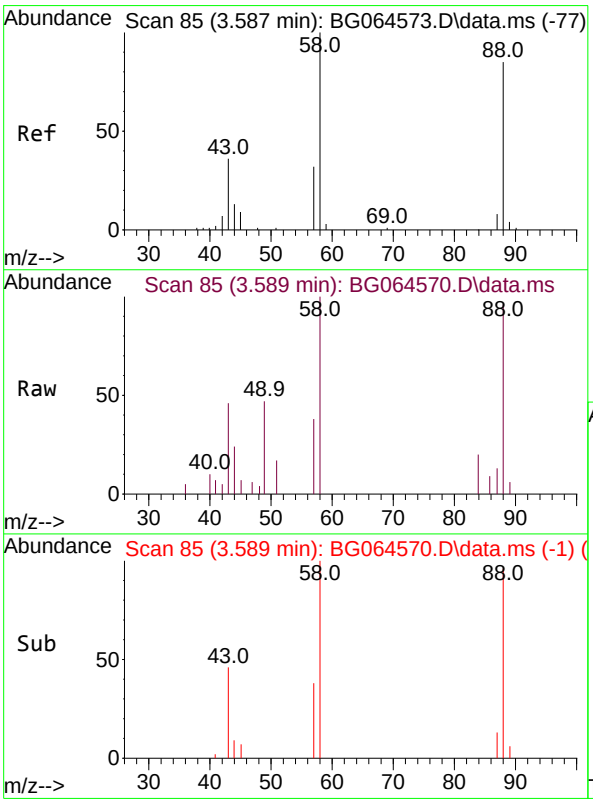
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

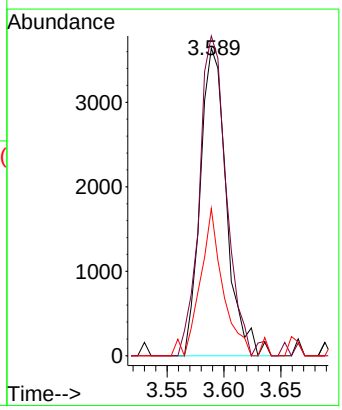
10/27/2025

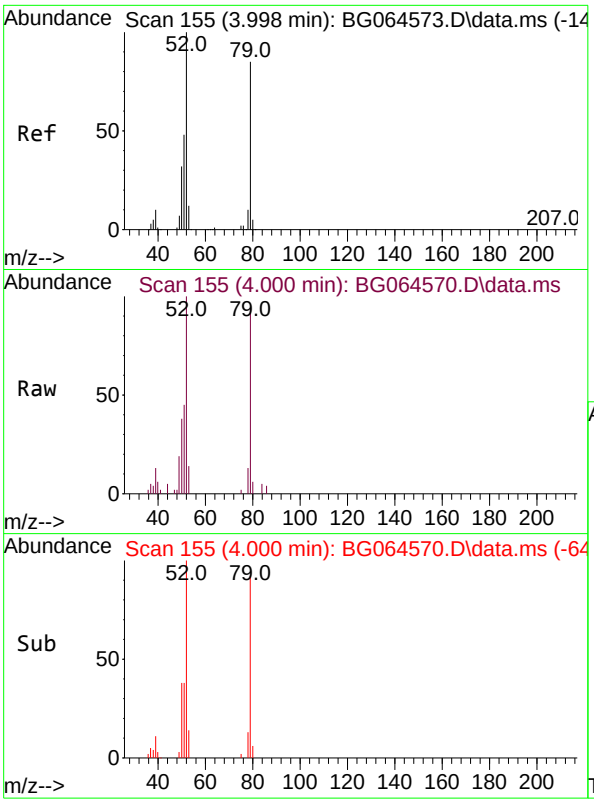


#2
1,4-Dioxane
Concen: 5.406 ng
RT: 3.589 min Scan# 85
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 88 Resp: 5823

Ion	Ratio	Lower	Upper
88	100		
58	108.0	92.4	138.6
43	41.6	33.0	49.6

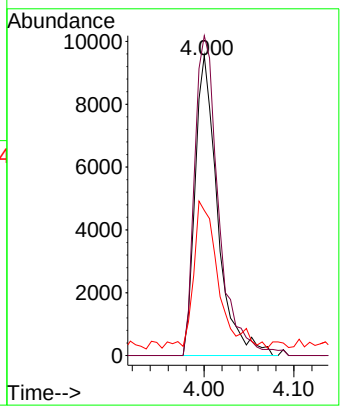




#3
Pyridine
Concen: 5.143 ng
RT: 4.000 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 79 Resp: 1663

Ion	Ratio	Lower	Upper
79	100		
52	106.6	94.2	141.2
51	48.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

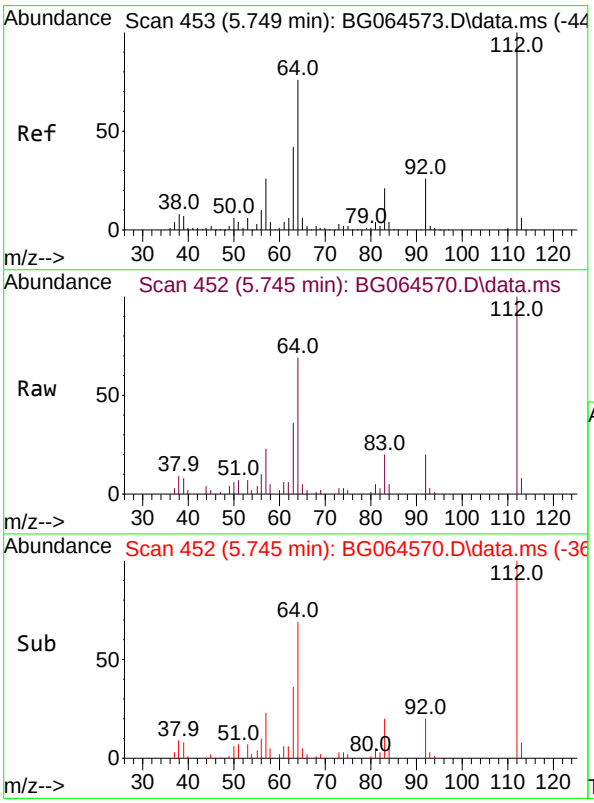
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

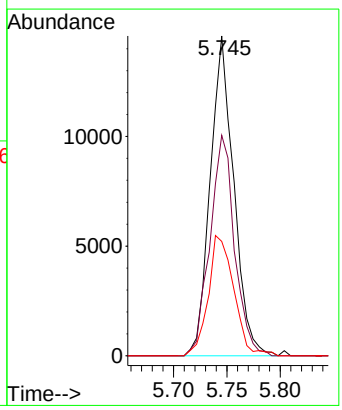
10/27/2025

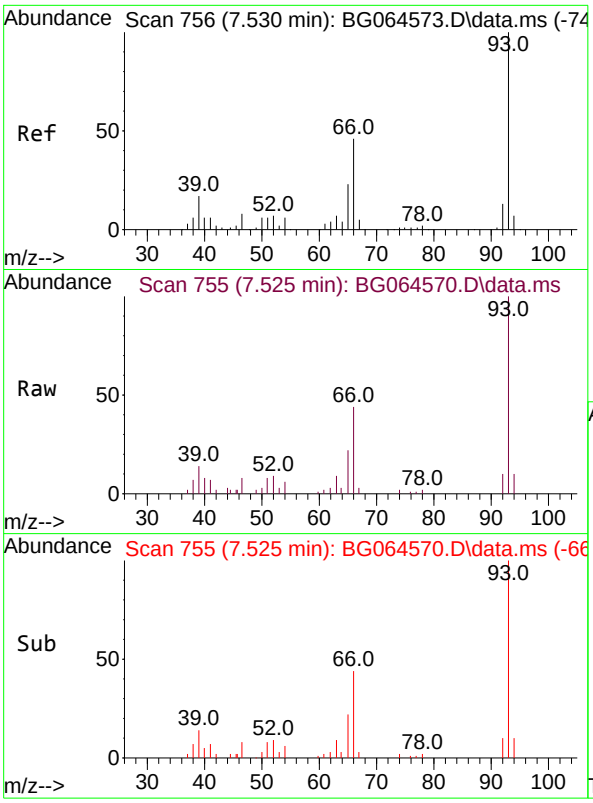


#5
2-Fluorophenol
Concen: 9.216 ng
RT: 5.745 min Scan# 452
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:112 Resp: 22421

Ion	Ratio	Lower	Upper
112	100		
64	68.9	60.7	91.1
63	35.8	33.4	50.0

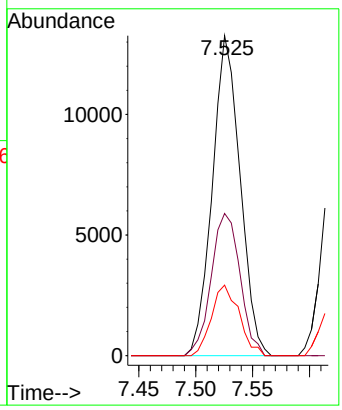




#6
Aniline
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 2249

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	22.0	18.3	27.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

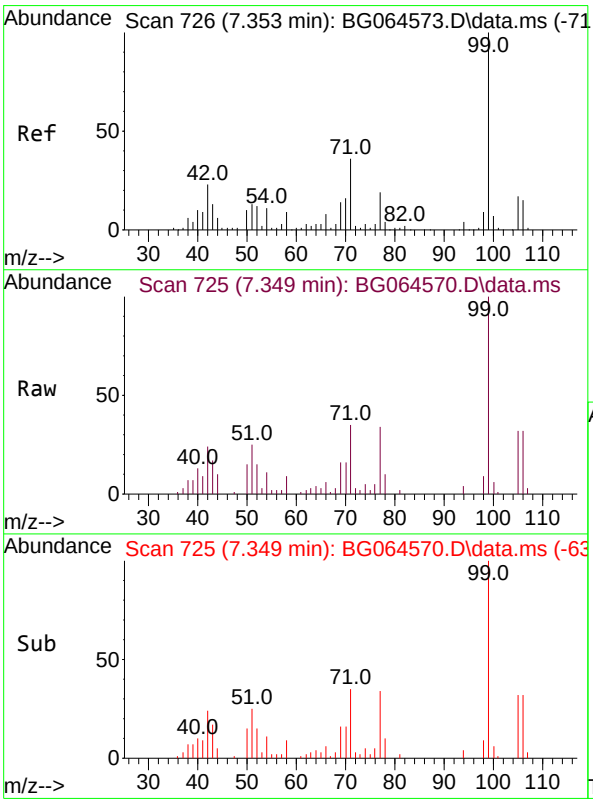
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

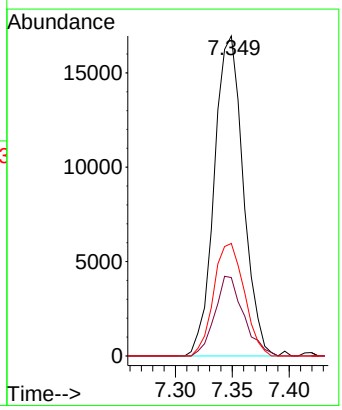
10/27/2025

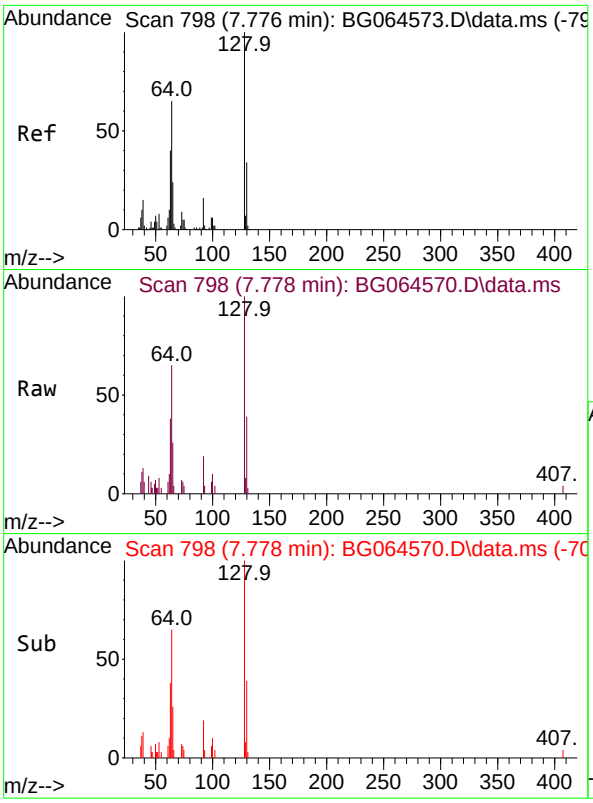


#7
Phenol-d6
Concen: 8.987 ng
RT: 7.349 min Scan# 725
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 99 Resp: 30003

Ion	Ratio	Lower	Upper
99	100		
42	24.5	18.3	27.5
71	35.1	28.6	43.0

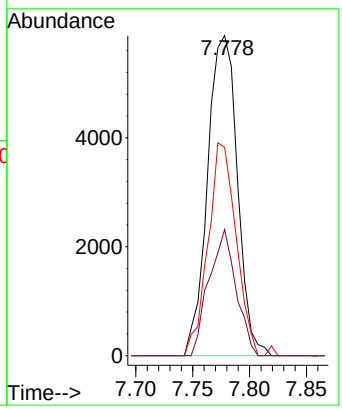




#8
2-Chlorophenol
Concen: 4.214 ng
RT: 7.778 min Scan# 79
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 1073

Ion	Ratio	Lower	Upper
128	100		
130	39.4	13.5	53.5
64	65.2	45.2	85.2



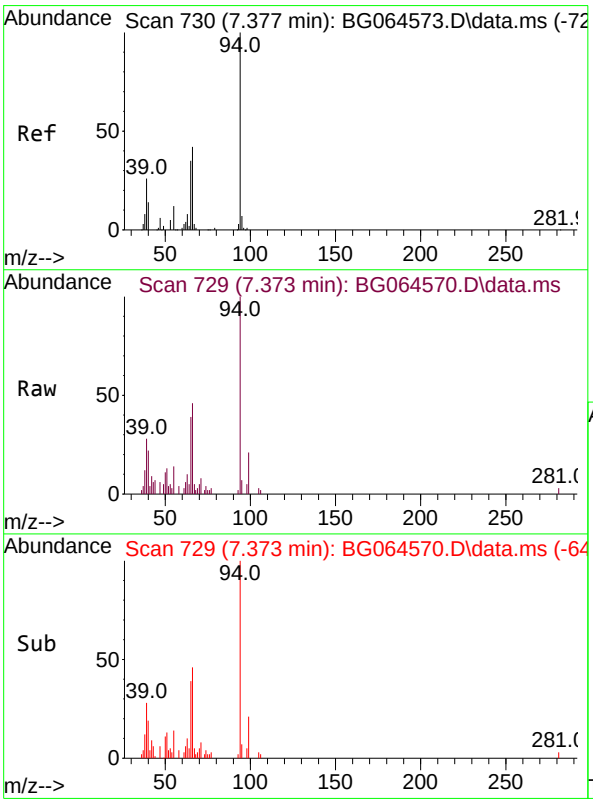
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

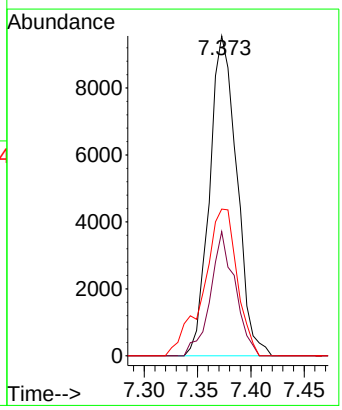
10/27/2025

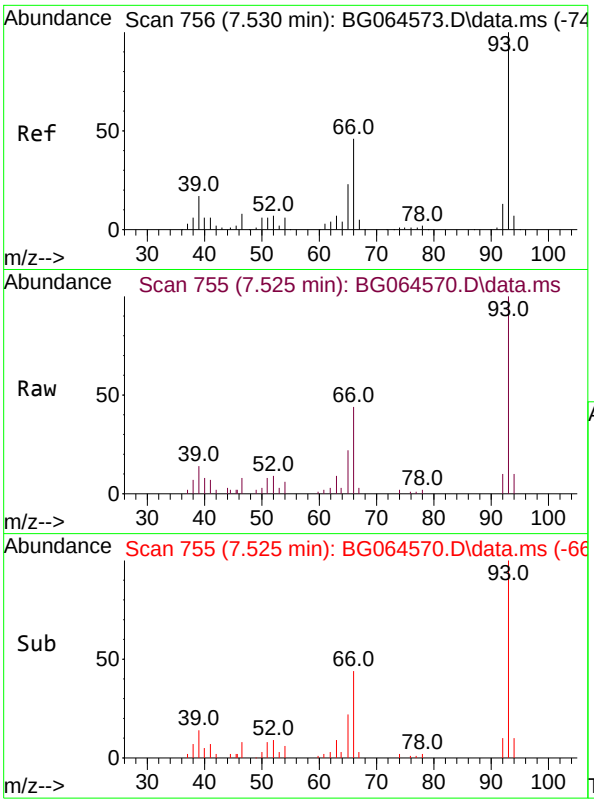


#10
Phenol
Concen: 4.603 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 94 Resp: 16995

Ion	Ratio	Lower	Upper
94	100		
65	38.8	15.8	55.8
66	45.9	24.0	64.0

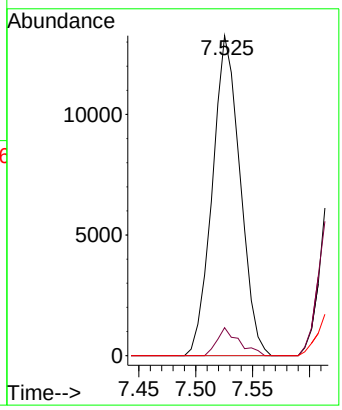




#11
bis(2-Chloroethyl)ether
Concen: 4.952 ng
RT: 7.525 min Scan# 7
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 2249

Ion	Ratio	Lower	Upper
93	100		
63	8.7	0.0	27.4
95	0.0	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

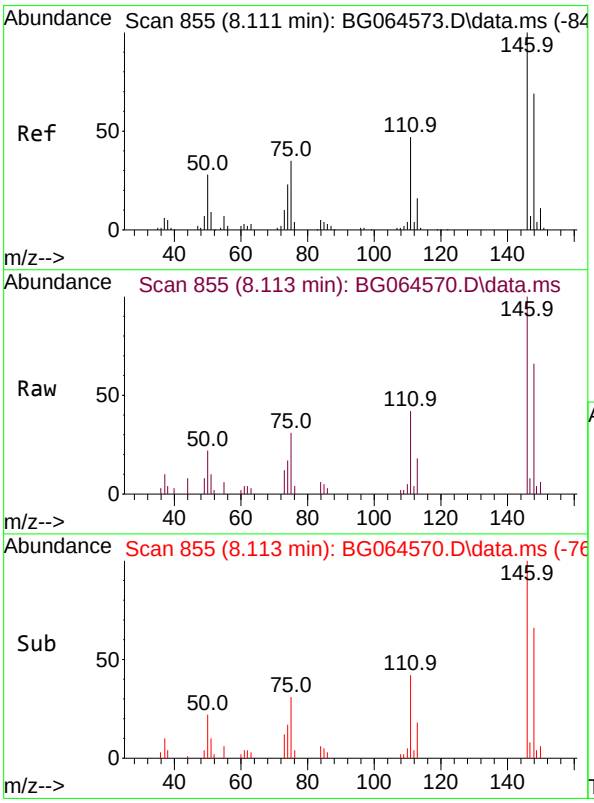
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

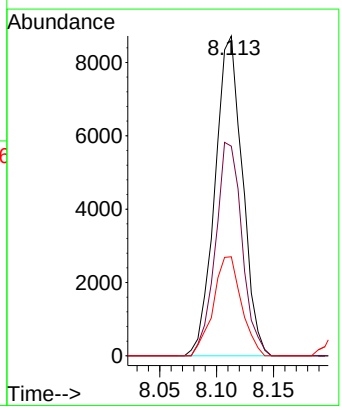
10/27/2025

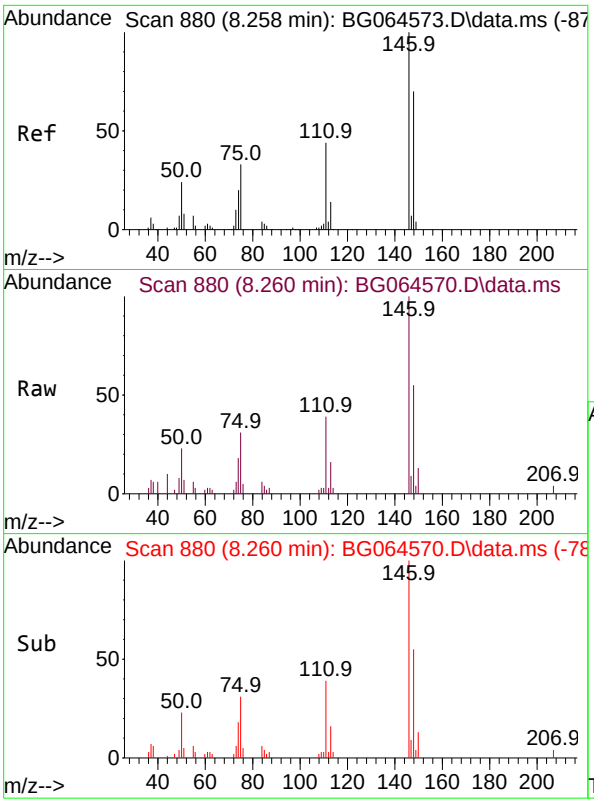


#12
1,3-Dichlorobenzene
Concen: 4.998 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 14650

Ion	Ratio	Lower	Upper
146	100		
148	64.6	55.3	82.9
75	28.7	28.2	42.2

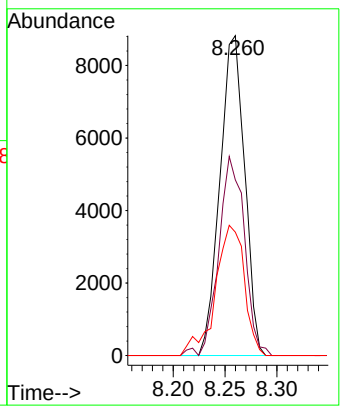




#13
1,4-Dichlorobenzene
Concen: 4.903 ng m
RT: 8.260 min Scan# 88
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 1461

Ion	Ratio	Lower	Upper
146	100		
148	54.9	56.2	84.4
111	38.6	35.4	53.0



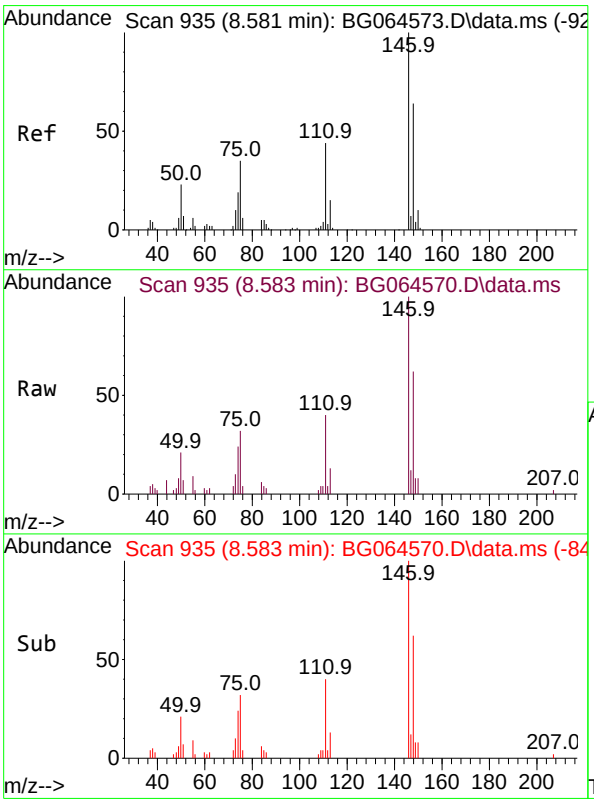
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

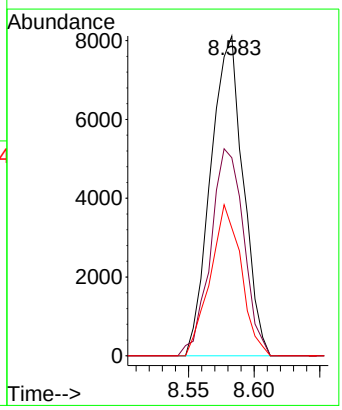
10/27/2025

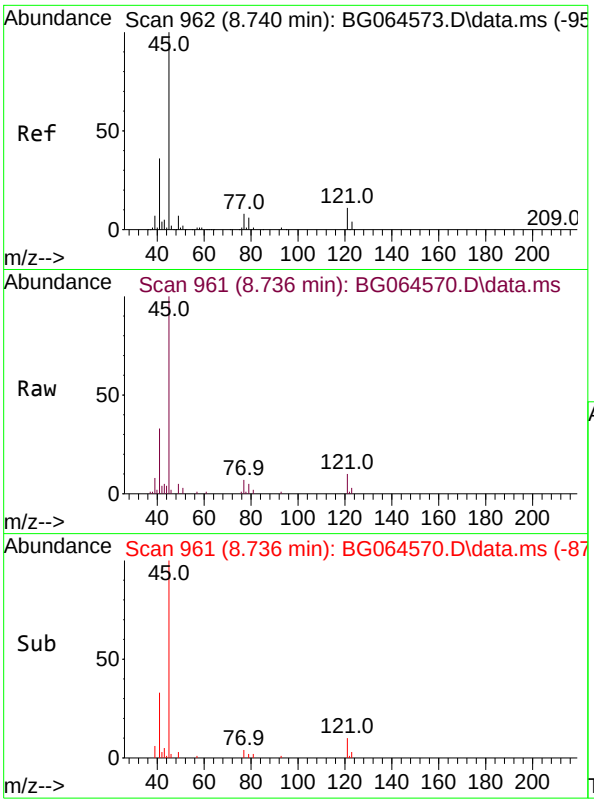


#14
1,2-Dichlorobenzene
Concen: 4.868 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:146 Resp: 13994

Ion	Ratio	Lower	Upper
146	100		
148	61.9	51.5	77.3
111	40.0	35.0	52.6

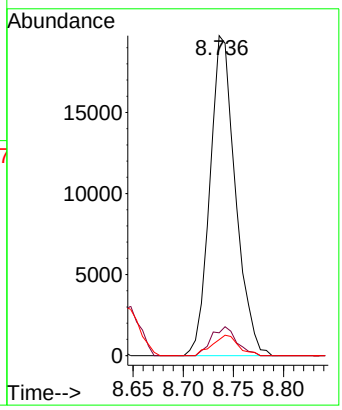




#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.905 ng
RT: 8.736 min Scan# 9
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 45 Resp: 3492

Ion	Ratio	Lower	Upper
45	100		
77	7.1	0.0	28.5
79	5.0	0.0	25.6



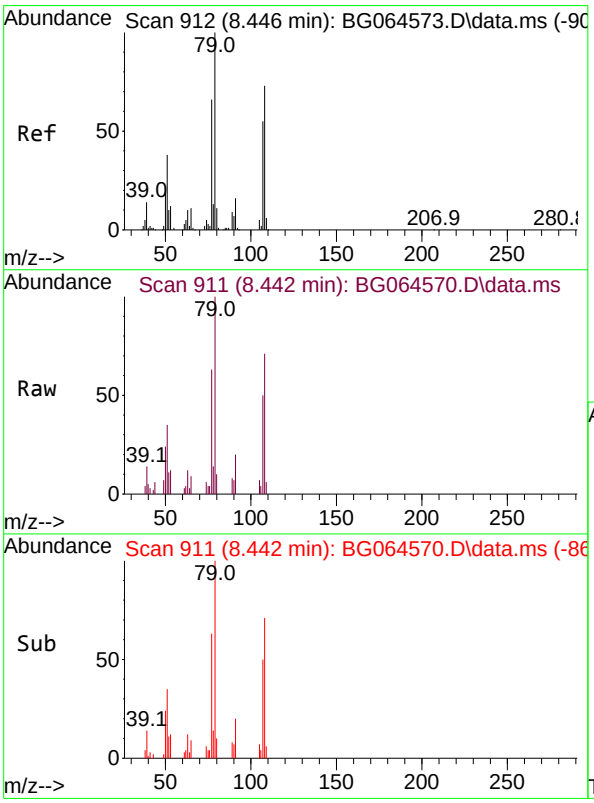
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

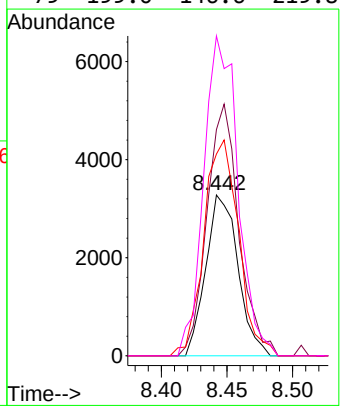
10/27/2025

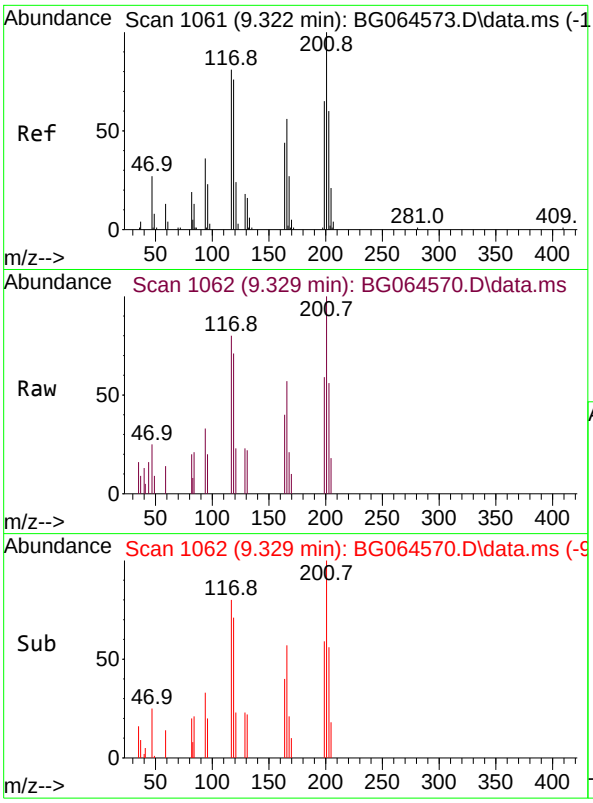


#17
2-Methylphenol
Concen: 4.063 ng
RT: 8.442 min Scan# 911
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 5591

Ion	Ratio	Lower	Upper
107	100		
108	140.7	106.4	159.6
77	125.5	96.7	145.1
79	199.0	146.6	219.8

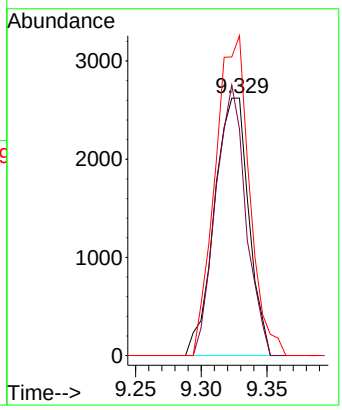




#18
Hexachloroethane
Concen: 4.564 ng
RT: 9.329 min Scan# 10
Delta R.T. 0.004 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:117 Resp: 477

Ion	Ratio	Lower	Upper
117	100		
119	88.0	75.4	113.2
201	124.2	99.2	148.8



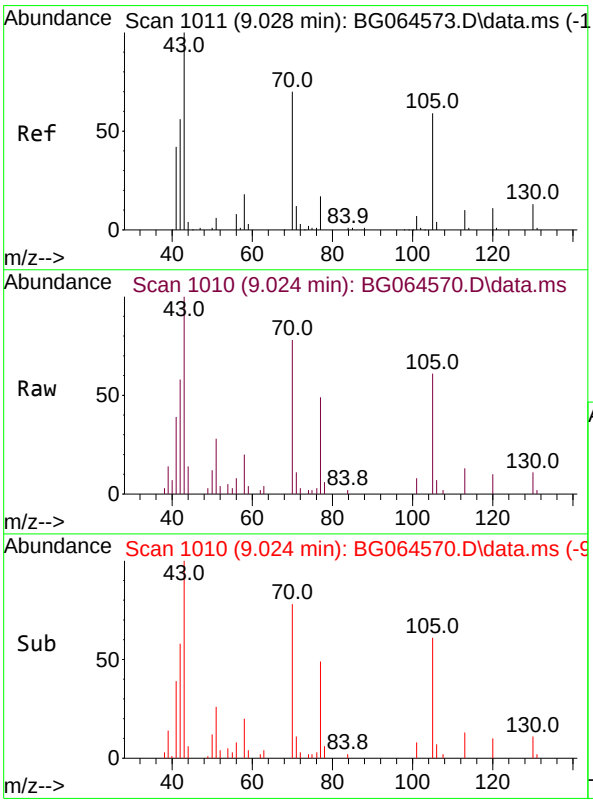
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

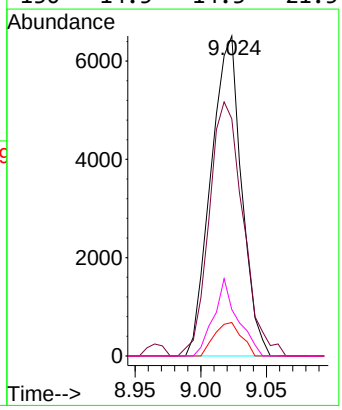
10/27/2025

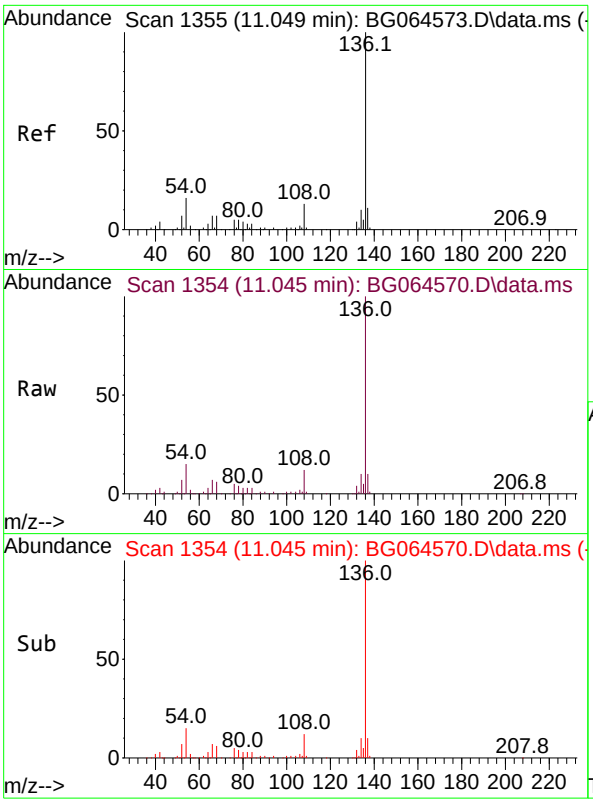


#19
n-Nitroso-di-n-propylamine
Concen: 4.592 ng
RT: 9.024 min Scan# 1010
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 70 Resp: 10596

Ion	Ratio	Lower	Upper
70	100		
42	74.1	65.2	97.8
101	10.4	7.9	11.9
130	14.5	14.3	21.5

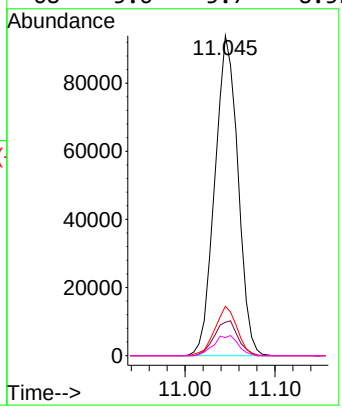




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:136 Resp: 16828

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.2	13.8
54	15.4	12.6	19.0
68	5.6	5.7	8.5#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

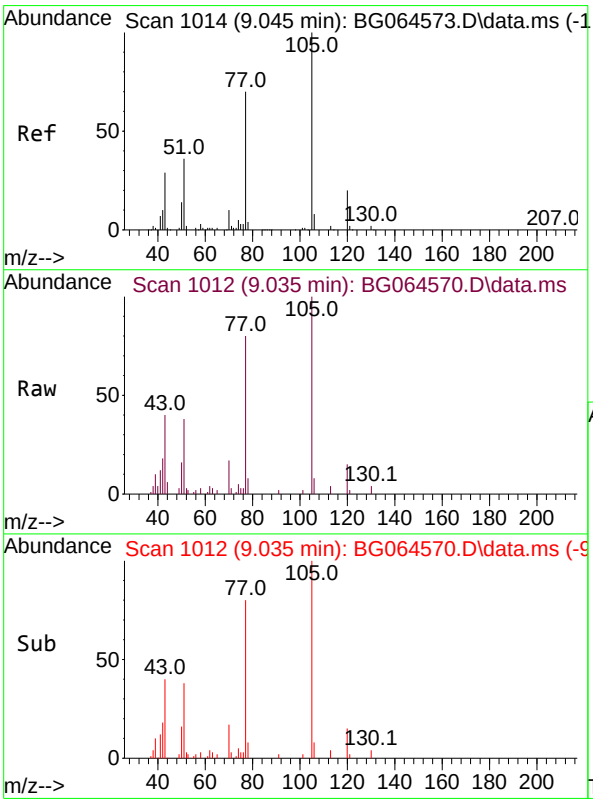
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

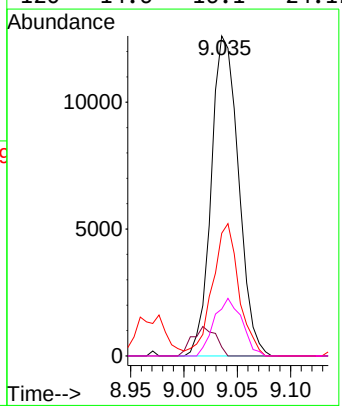
10/27/2025

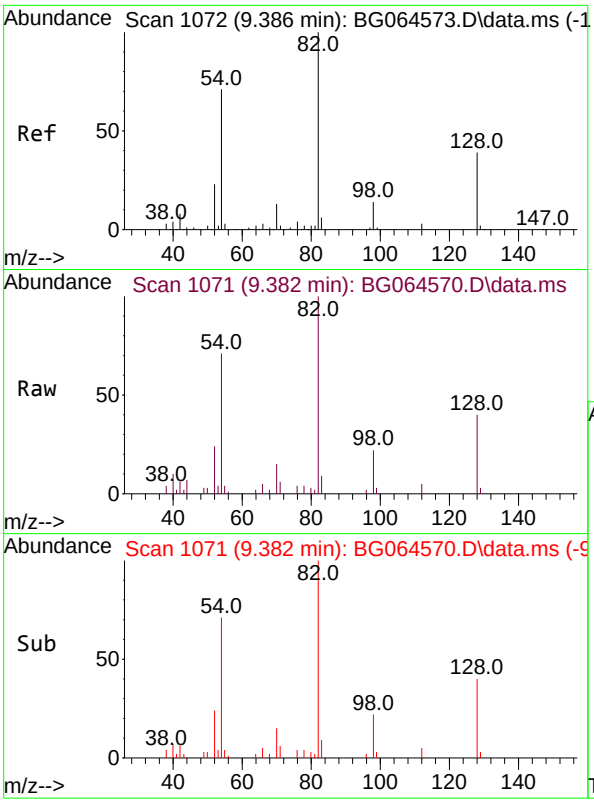


#22
Acetophenone
Concen: 4.892 ng
RT: 9.035 min Scan# 1012
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:105 Resp: 22505

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	38.4	33.7	50.5
120	14.6	16.1	24.1#

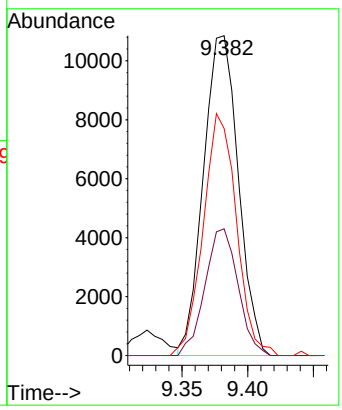




#23
Nitrobenzene-d5
Concen: 7.173 ng
RT: 9.382 min Scan# 10
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 2009

Ion	Ratio	Lower	Upper
82	100		
128	39.6	31.3	46.9
54	71.0	56.6	84.8



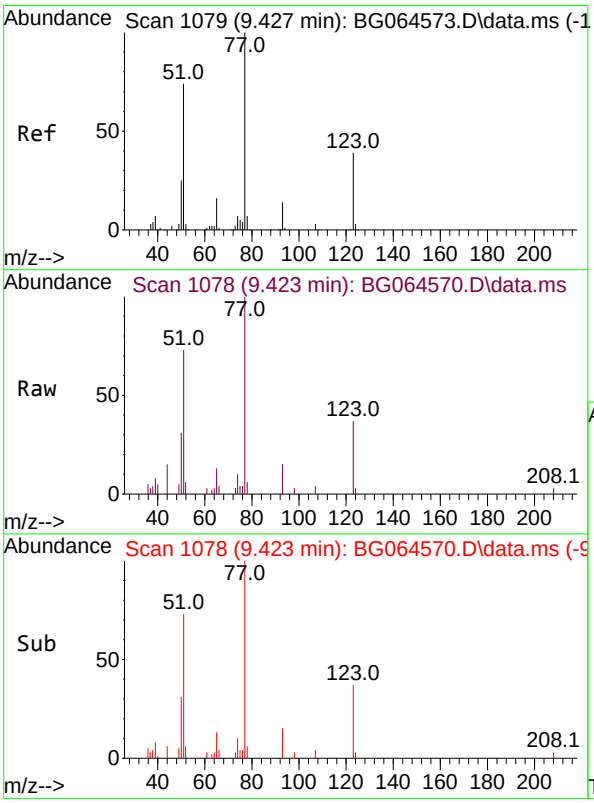
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

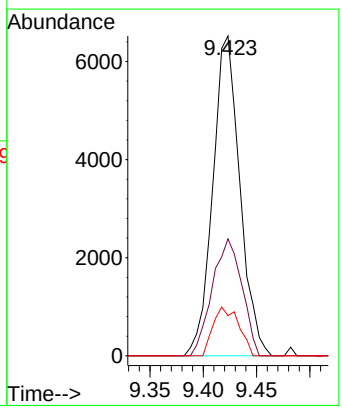
10/27/2025

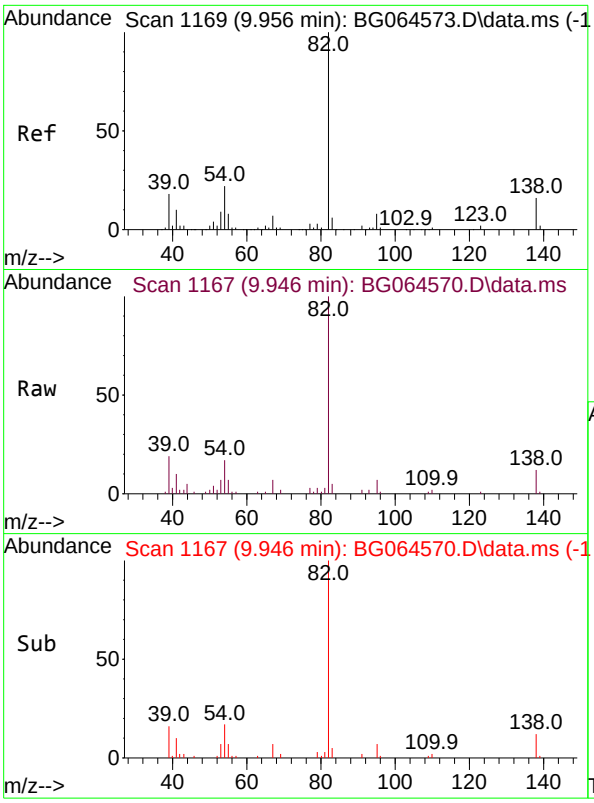


#24
Nitrobenzene
Concen: 3.782 ng
RT: 9.423 min Scan# 1078
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 11526

Ion	Ratio	Lower	Upper
77	100		
123	36.6	31.0	46.6
65	12.6	12.7	19.1#

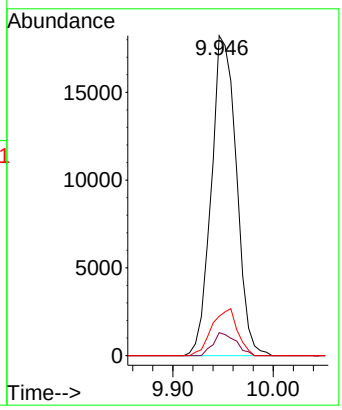




#25
Isophorone
Concen: 4.701 ng
RT: 9.946 min Scan# 11
Delta R.T. -0.020 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 82 Resp: 3160

Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	12.3	13.0	19.4#



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

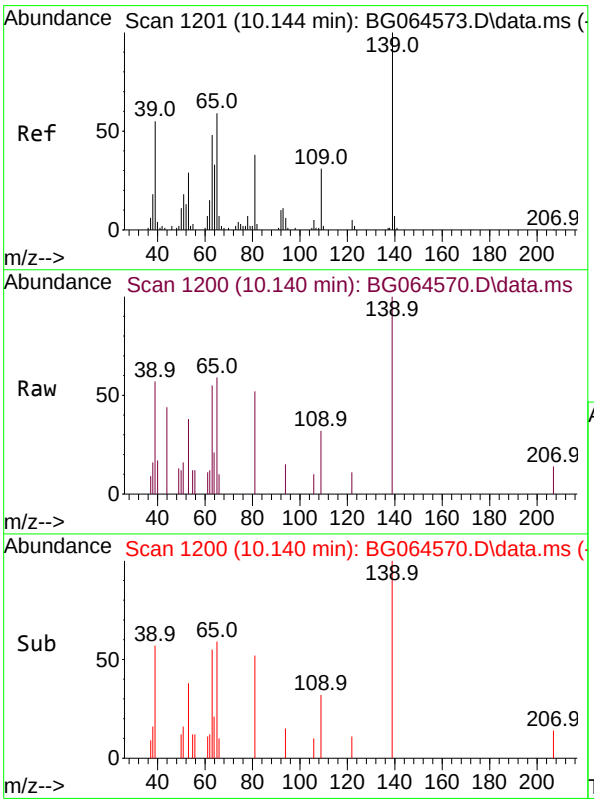
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

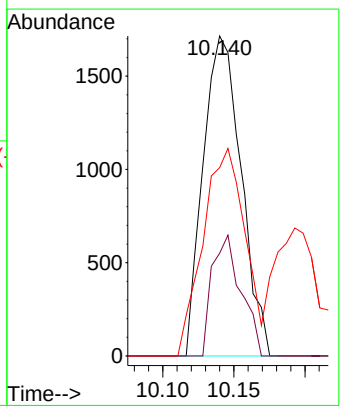
10/27/2025

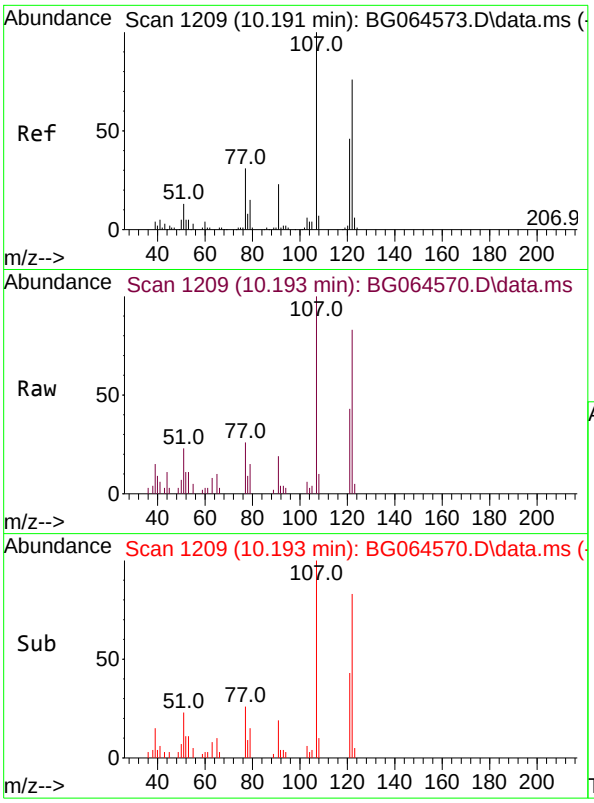


#26
2-Nitrophenol
Concen: 5.664 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:139 Resp: 3186

Ion	Ratio	Lower	Upper
139	100		
109	32.1	24.6	37.0
65	58.9	47.5	71.3

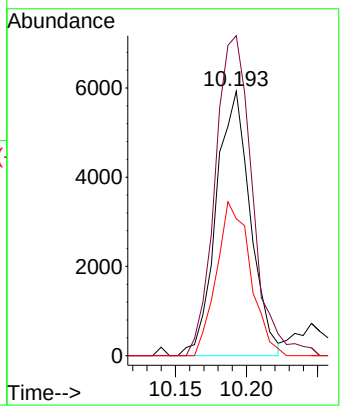




#27
2,4-Dimethylphenol
Concen: 3.891 ng
RT: 10.193 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:122 Resp: 992

Ion	Ratio	Lower	Upper
122	100		
107	121.0	103.0	154.4
121	51.7	47.8	71.8



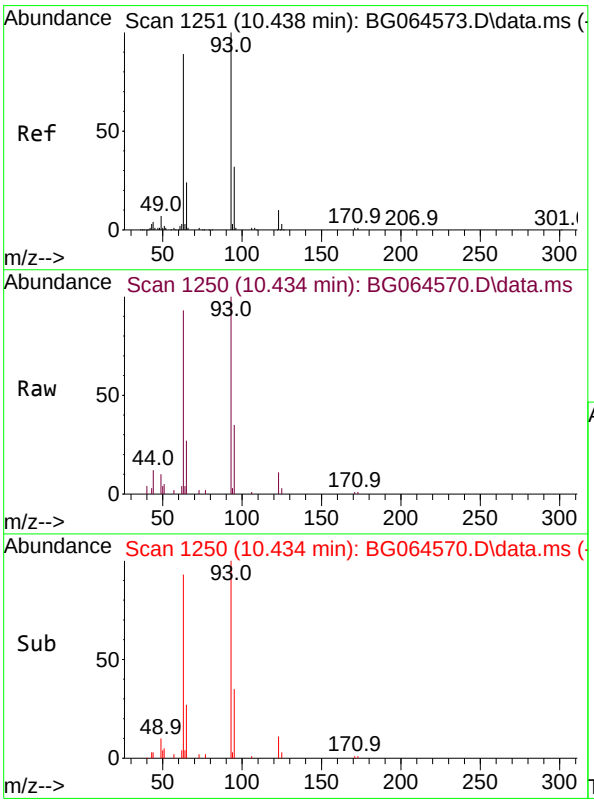
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

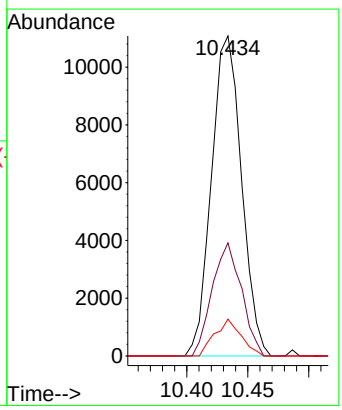
10/27/2025

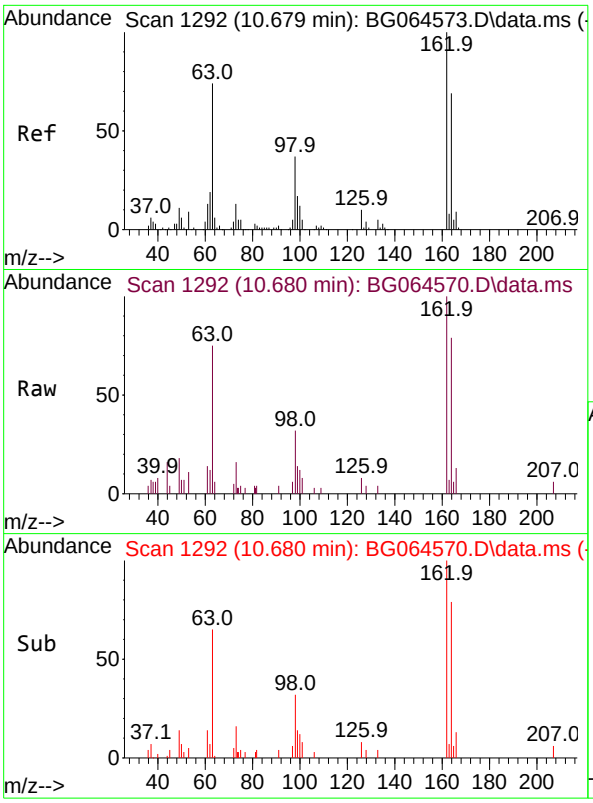


#28
bis(2-Chloroethoxy)methane
Concen: 4.963 ng
RT: 10.434 min Scan# 1250
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 93 Resp: 18999

Ion	Ratio	Lower	Upper
93	100		
95	35.3	25.4	38.2
123	11.5	8.4	12.6

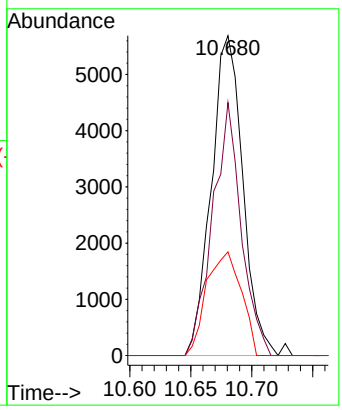




#29
2,4-Dichlorophenol
Concen: 3.798 ng
RT: 10.680 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 1022

Ion	Ratio	Lower	Upper
162	100		
164	79.1	48.7	88.7
98	32.4	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

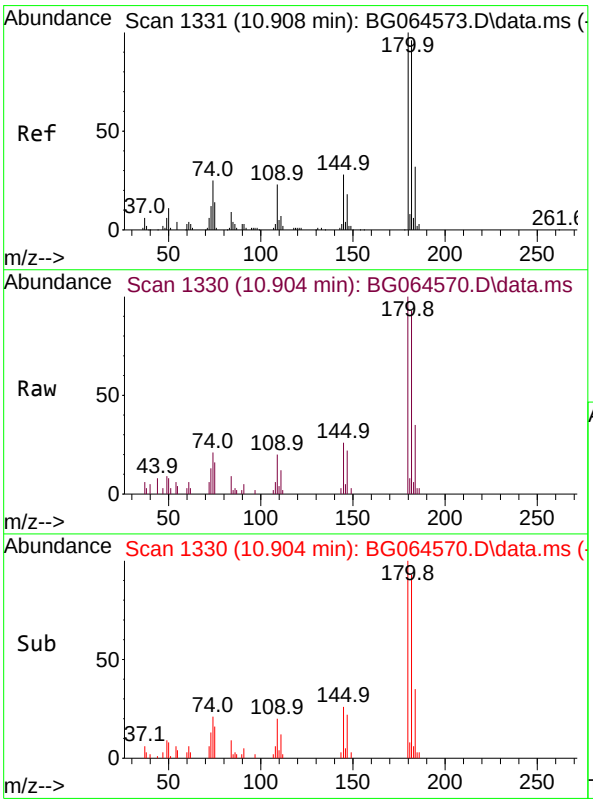
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

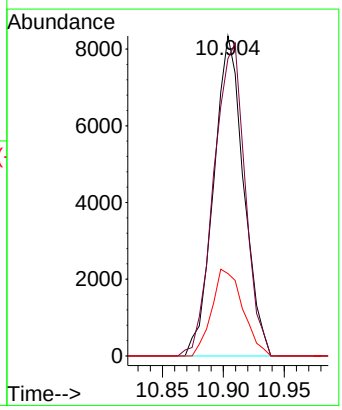
10/27/2025

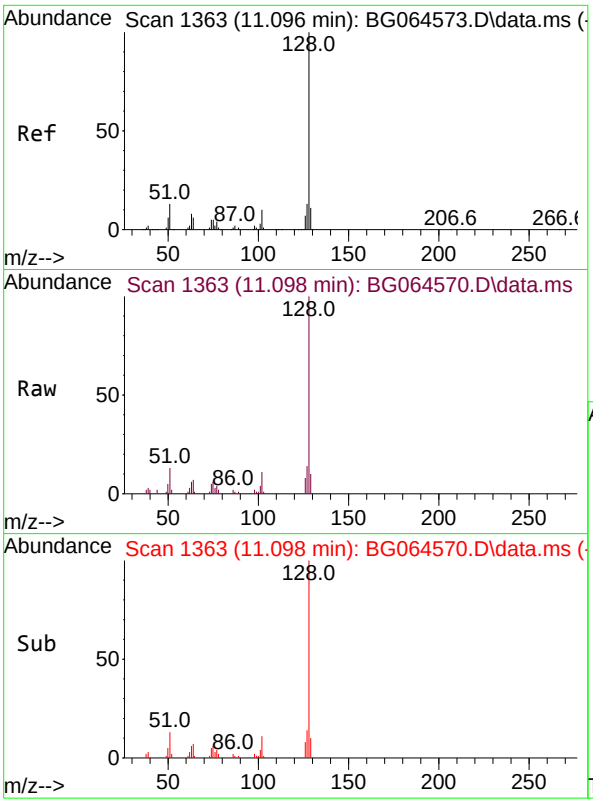


#30
1,2,4-Trichlorobenzene
Concen: 4.656 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:180 Resp: 14238

Ion	Ratio	Lower	Upper
180	100		
182	92.9	76.9	115.3
145	25.7	22.1	33.1

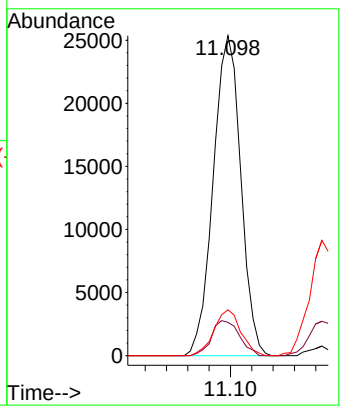




#31
Naphthalene
Concen: 4.883 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:128 Resp: 4555

Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

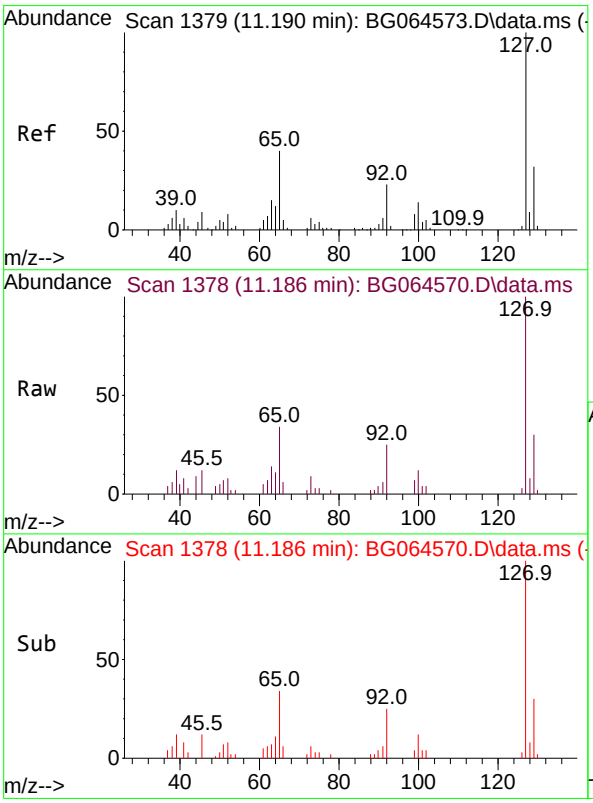
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

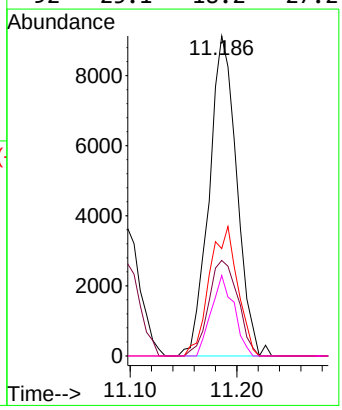
10/27/2025

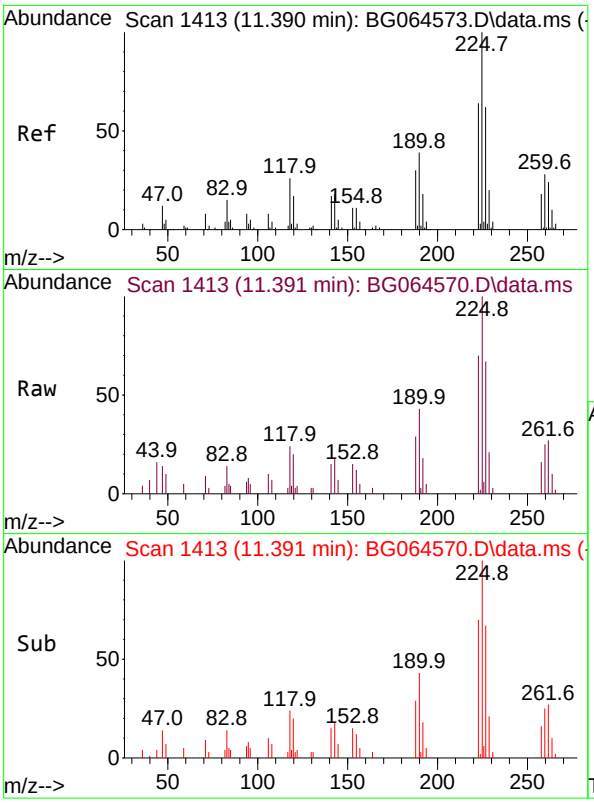


#33
4-Chloroaniline
Concen: 4.530 ng
RT: 11.186 min Scan# 1378
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:127 Resp: 16429

Ion	Ratio	Lower	Upper
127	100		
129	29.8	25.5	38.3
65	33.5	32.2	48.4
92	25.1	18.2	27.2

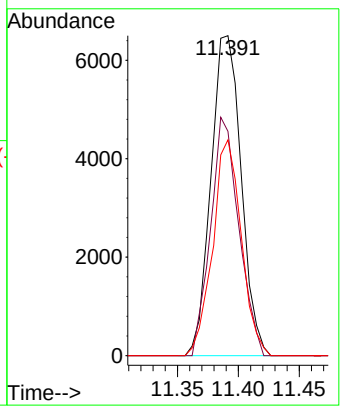




#34
Hexachlorobutadiene
Concen: 4.688 ng
RT: 11.391 min Scan# 14
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:225 Resp: 1121

Ion	Ratio	Lower	Upper
225	100		
223	66.4	48.8	73.2
227	63.9	49.5	74.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

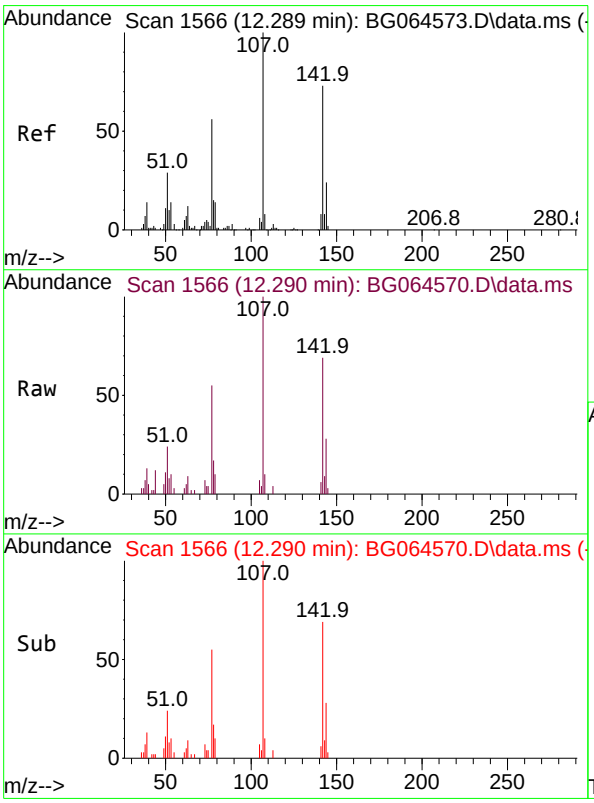
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

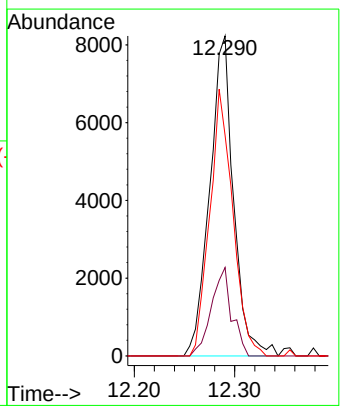
10/27/2025

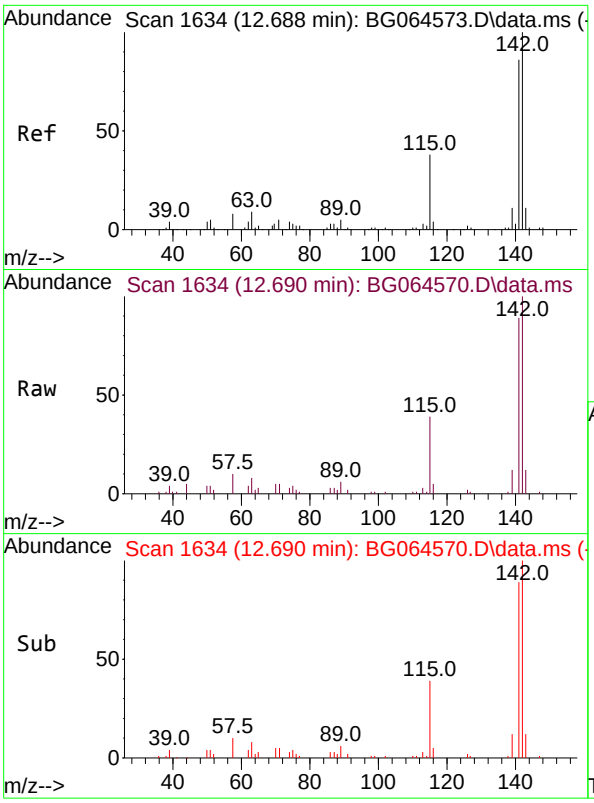


#36
4-Chloro-3-methylphenol
Concen: 4.205 ng
RT: 12.290 min Scan# 1566
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:107 Resp: 13604

Ion	Ratio	Lower	Upper
107	100		
144	27.6	19.1	28.7
142	68.9	58.6	87.8

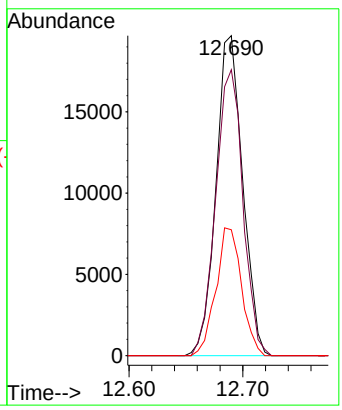




#37
2-Methylnaphthalene
Concen: 4.690 ng
RT: 12.690 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 3212

Ion	Ratio	Lower	Upper
142	100		
141	89.3	68.9	103.3
115	39.3	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

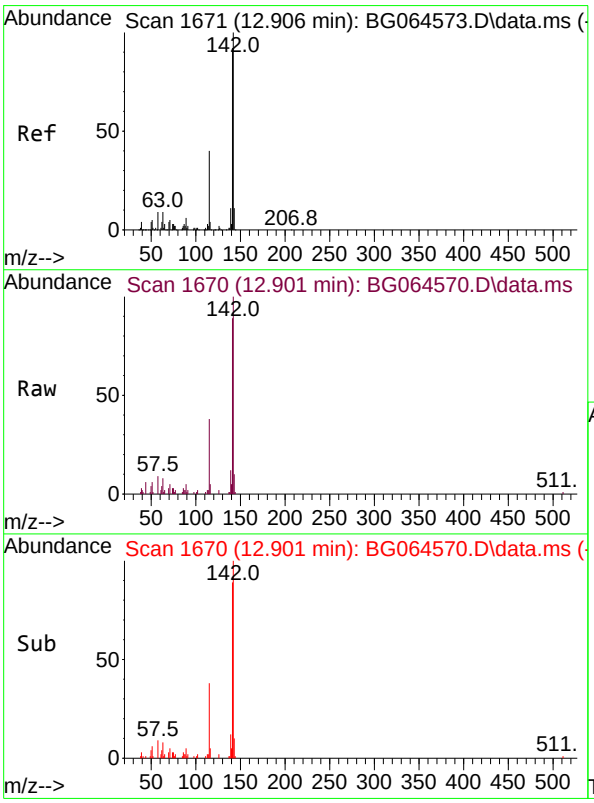
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

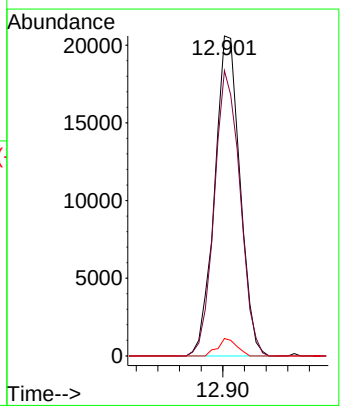
10/27/2025

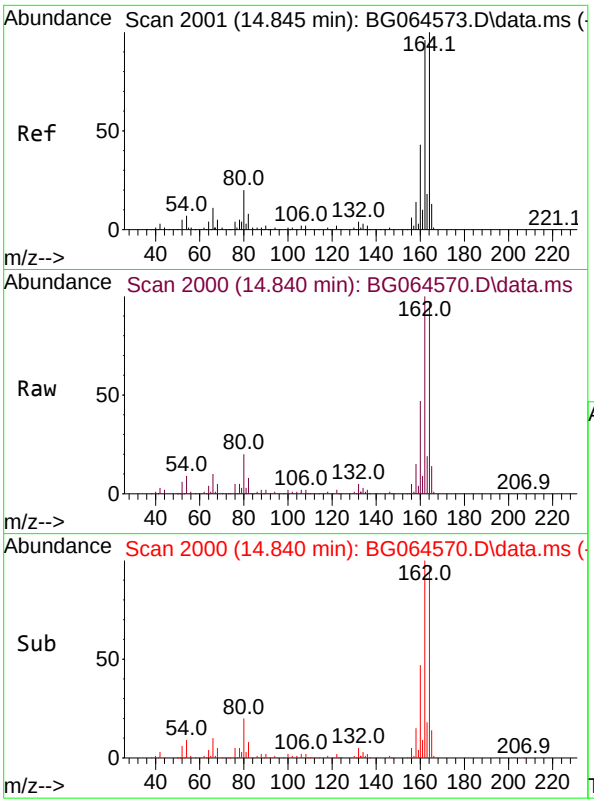


#38
1-Methylnaphthalene
Concen: 4.972 ng m
RT: 12.901 min Scan# 1670
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:142 Resp: 33515

Ion	Ratio	Lower	Upper
142	100		
141	89.1	73.3	109.9
116	5.4	3.1	4.7#

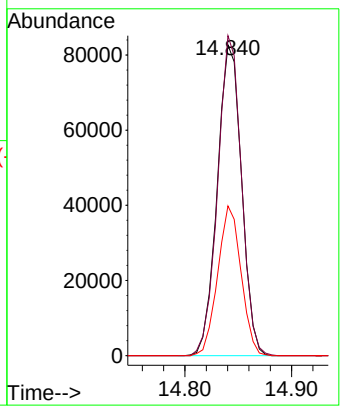




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.840 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:164 Resp: 13138

Ion	Ratio	Lower	Upper
164	100		
162	103.0	77.0	115.6
160	48.2	34.4	51.6



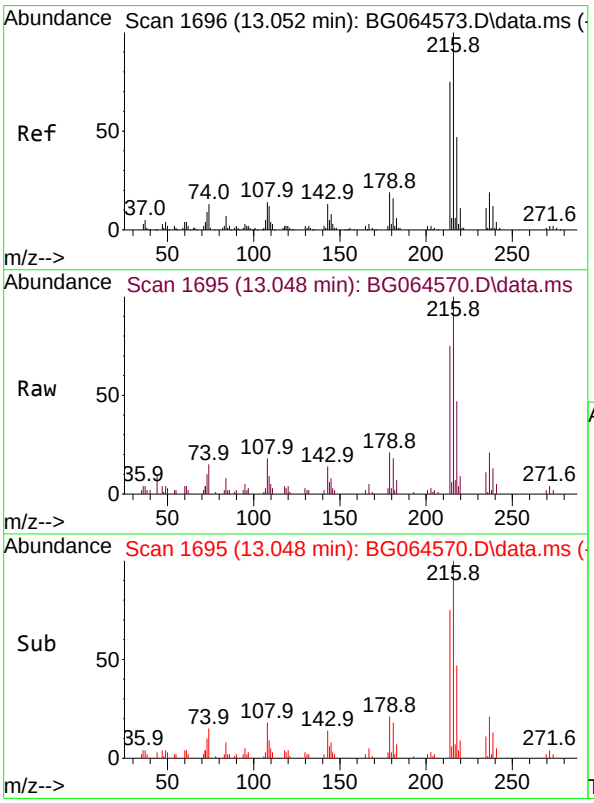
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

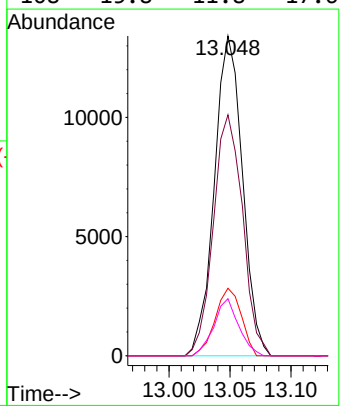
10/27/2025

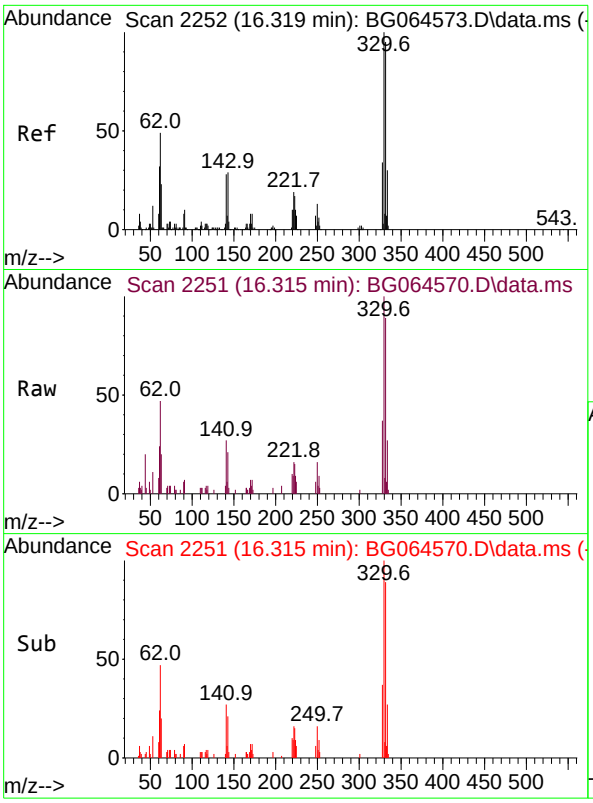


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.893 ng
RT: 13.048 min Scan# 1695
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:216 Resp: 21576

Ion	Ratio	Lower	Upper
216	100		
214	78.0	61.4	92.2
179	19.5	15.4	23.0
108	15.8	11.8	17.6

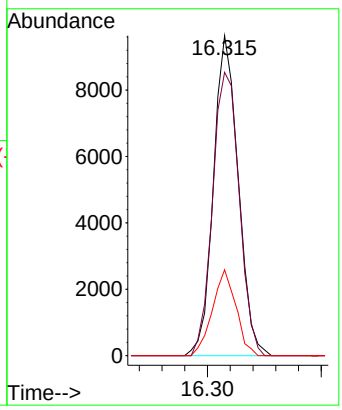




#42
2,4,6-Tribromophenol
Concen: 7.654 ng
RT: 16.315 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:330 Resp: 1451

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	25.5	21.8	32.6



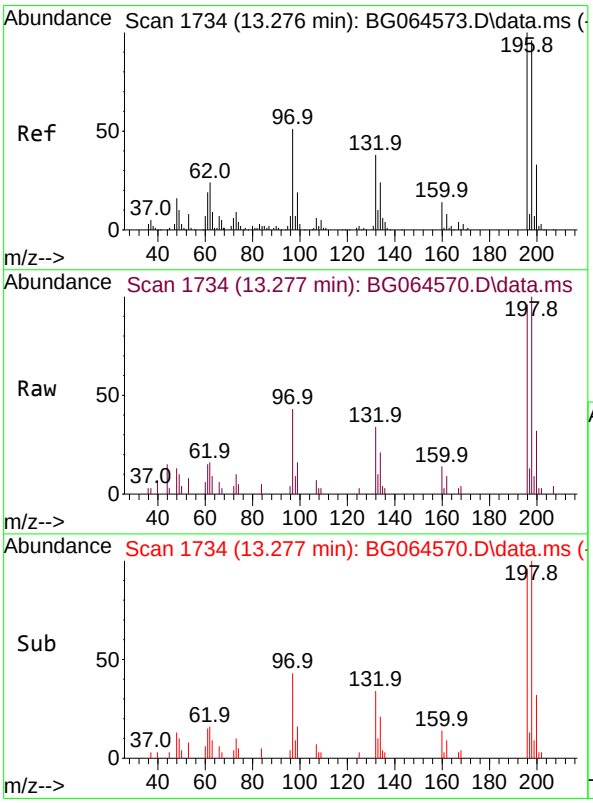
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

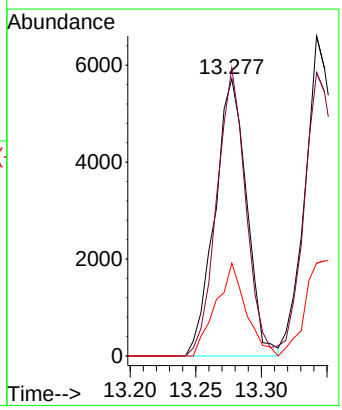
10/27/2025

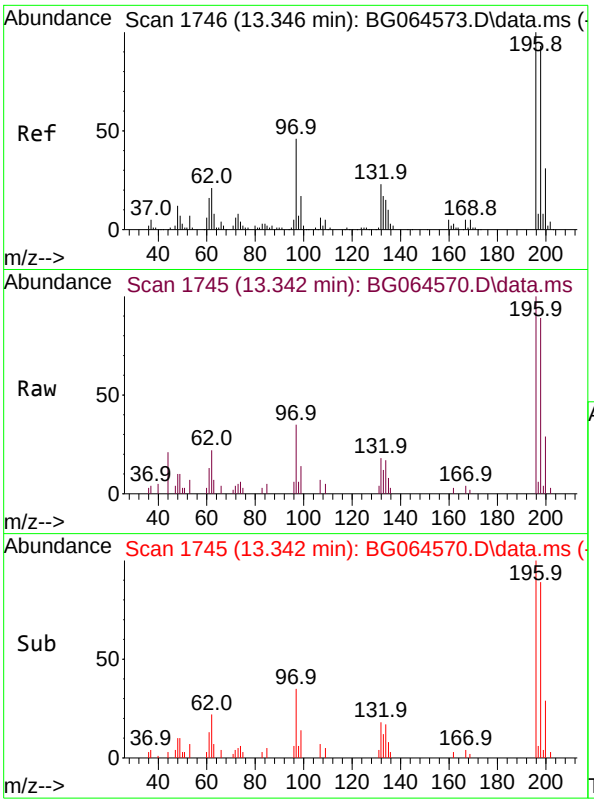


#43
2,4,6-Trichlorophenol
Concen: 3.826 ng
RT: 13.277 min Scan# 1734
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 9650

Ion	Ratio	Lower	Upper
196	100		
198	103.9	76.6	115.0
200	33.5	26.0	39.0

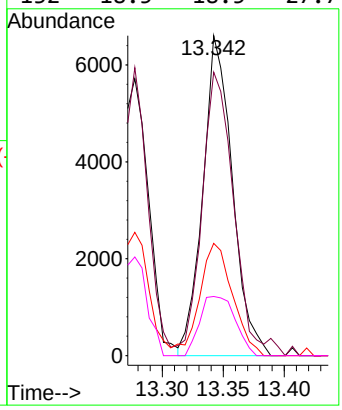




#44
2,4,5-Trichlorophenol
Concen: 3.831 ng
RT: 13.342 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:196 Resp: 1115

Ion	Ratio	Lower	Upper
196	100		
198	88.6	74.2	111.4
97	35.1	37.0	55.6#
132	18.5	18.5	27.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

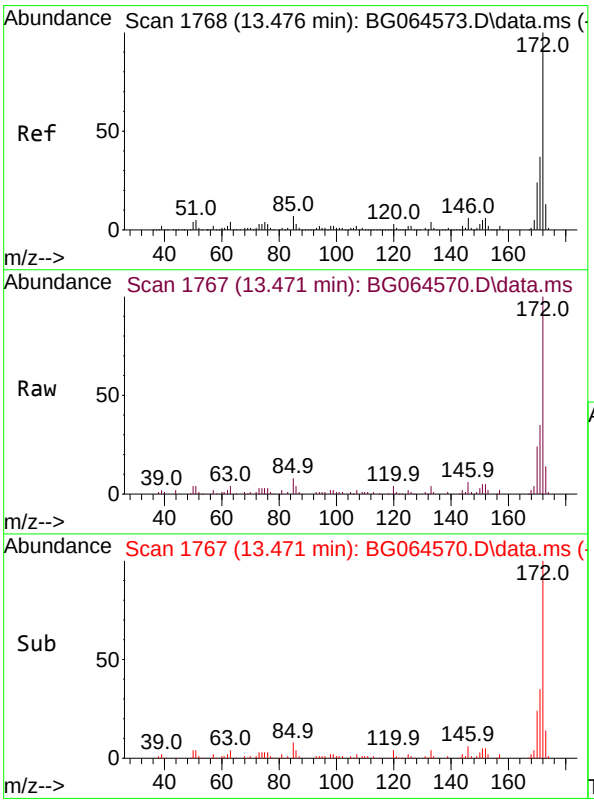
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

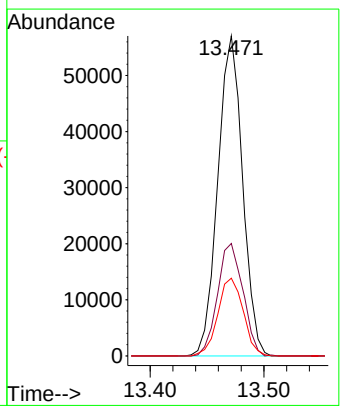
10/27/2025

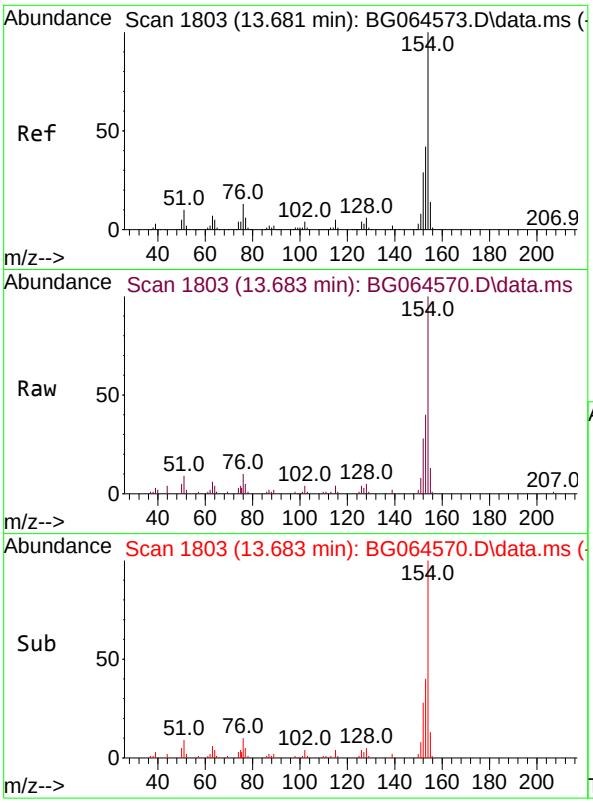


#45
2-Fluorobiphenyl
Concen: 9.932 ng
RT: 13.471 min Scan# 1767
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:172 Resp: 86089

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.4	44.0
170	24.3	19.1	28.7

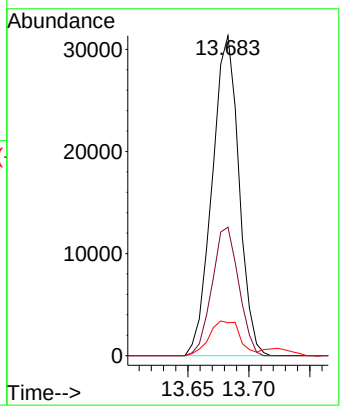




#46
1,1'-Biphenyl
Concen: 5.122 ng
RT: 13.683 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 4784

Ion	Ratio	Lower	Upper
154	100		
153	40.1	22.4	62.4
76	10.3	0.0	33.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

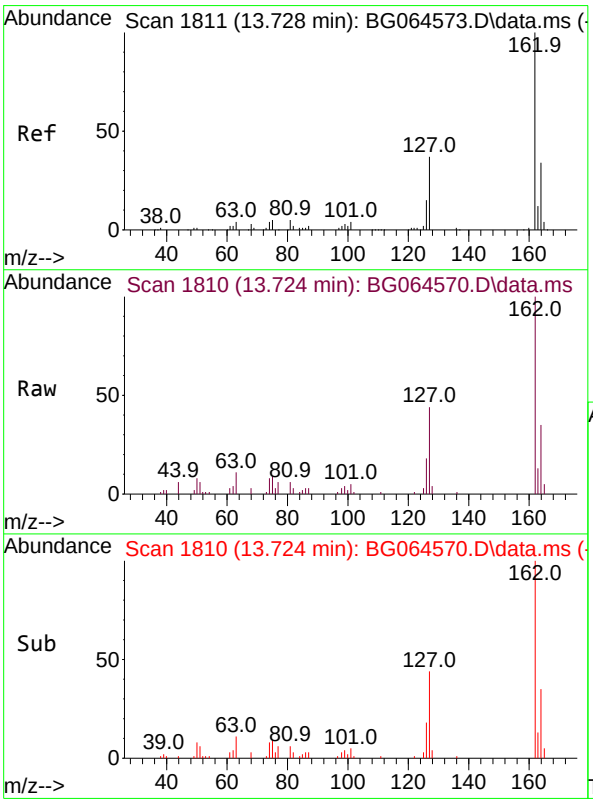
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

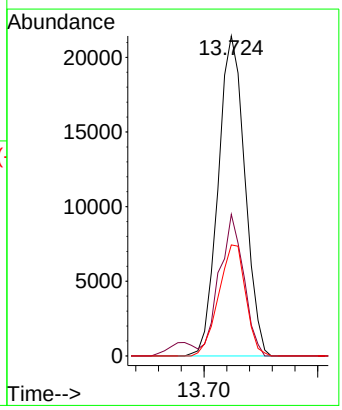
10/27/2025

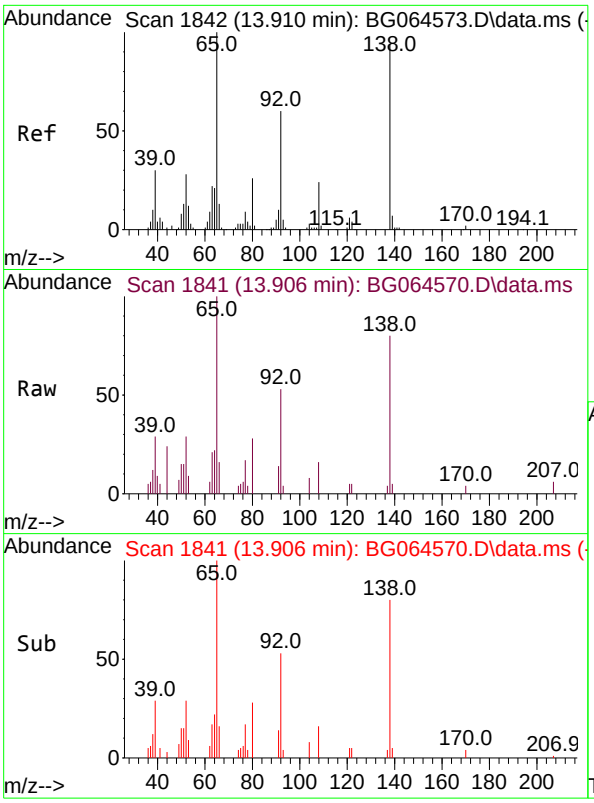


#47
2-Chloronaphthalene
Concen: 4.961 ng
RT: 13.724 min Scan# 1810
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:162 Resp: 34977

Ion	Ratio	Lower	Upper
162	100		
127	44.2	32.2	48.2
164	34.7	27.5	41.3

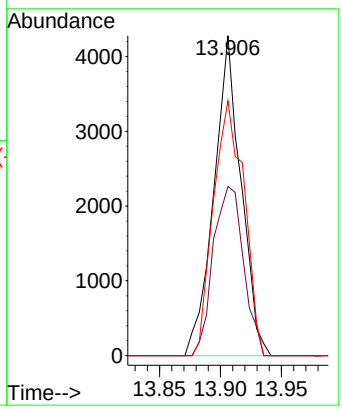




#48
2-Nitroaniline
Concen: 5.826 ng
RT: 13.906 min Scan# 18
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 65 Resp: 6601

Ion	Ratio	Lower	Upper
65	100		
92	52.8	48.3	72.5
138	79.6	74.9	112.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

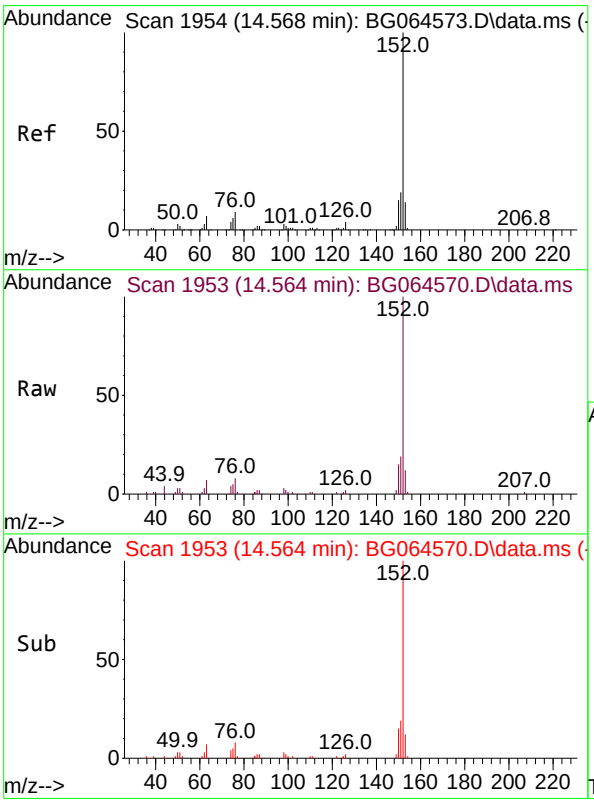
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

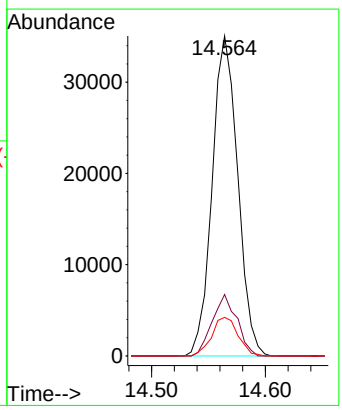
10/27/2025

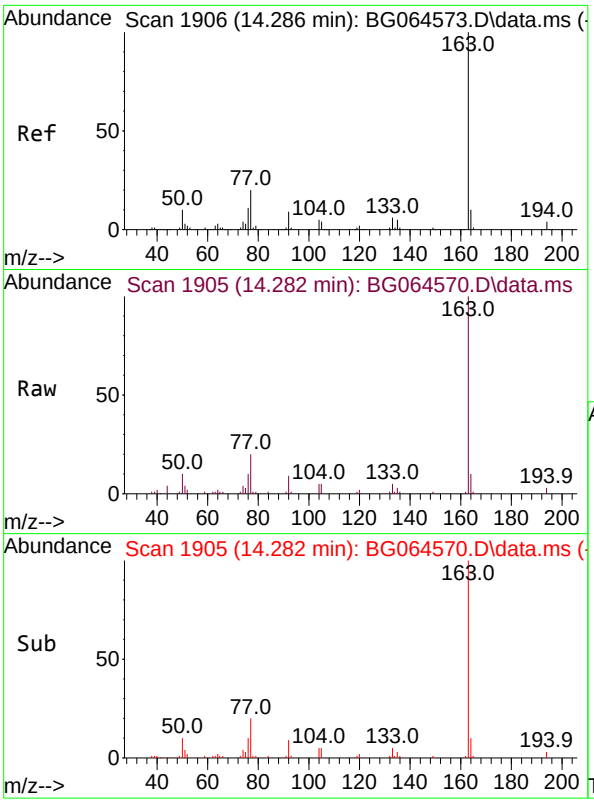


#49
Acenaphthylene
Concen: 4.923 ng
RT: 14.564 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:152 Resp: 54748

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.0	11.0	16.4

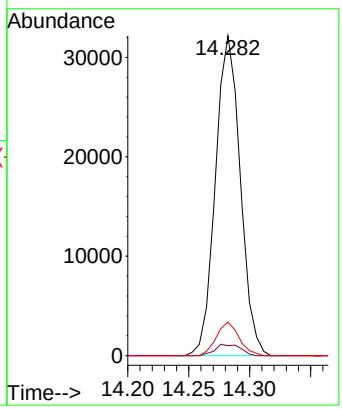




#50
Dimethylphthalate
Concen: 4.540 ng
RT: 14.282 min Scan# 19
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:163 Resp: 4563

Ion	Ratio	Lower	Upper
163	100		
194	3.1	2.8	4.2
164	10.5	7.7	11.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

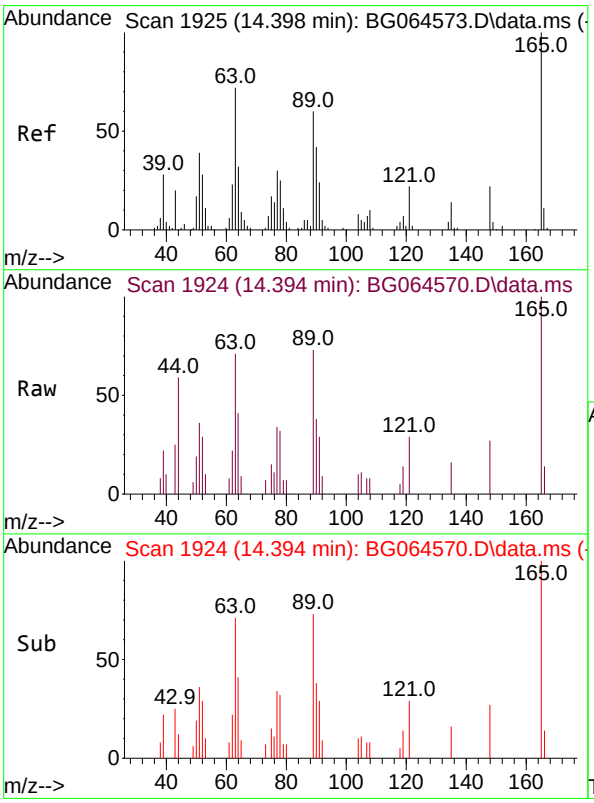
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

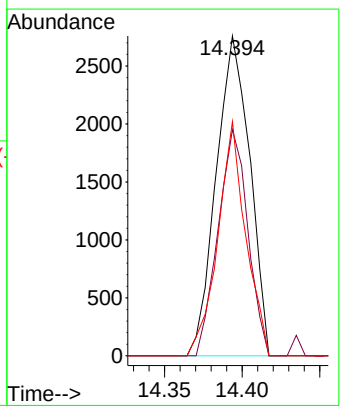
10/27/2025

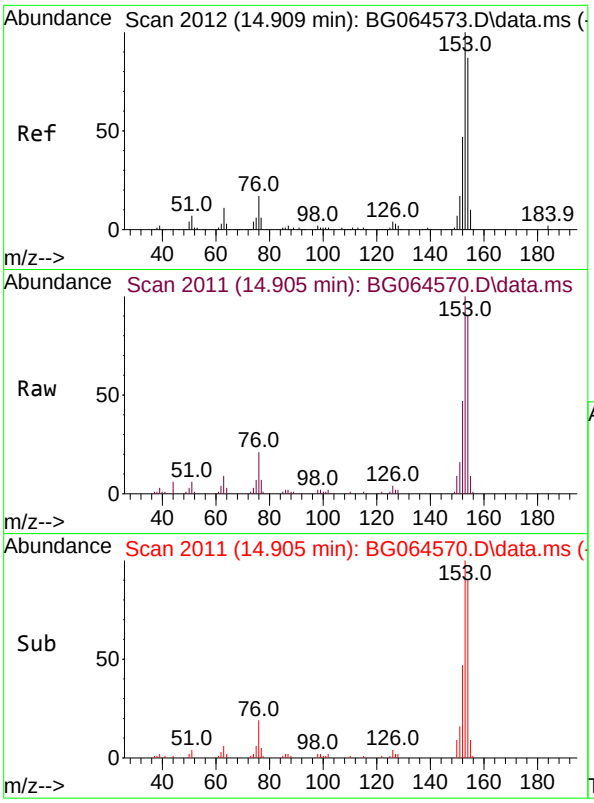


#51
2,6-Dinitrotoluene
Concen: 5.535 ng
RT: 14.394 min Scan# 1924
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 4161

Ion	Ratio	Lower	Upper
165	100		
63	70.7	57.4	86.0
89	73.2	47.8	71.8#

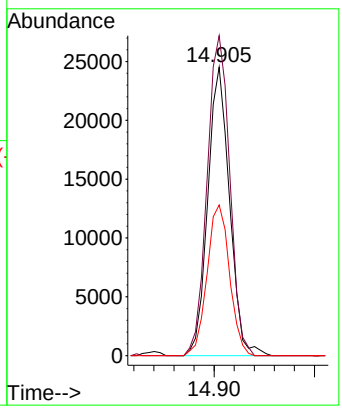




#52
Acenaphthene
Concen: 4.867 ng
RT: 14.905 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:154 Resp: 3698

Ion	Ratio	Lower	Upper
154	100		
153	111.0	92.2	138.4
152	52.2	43.2	64.8



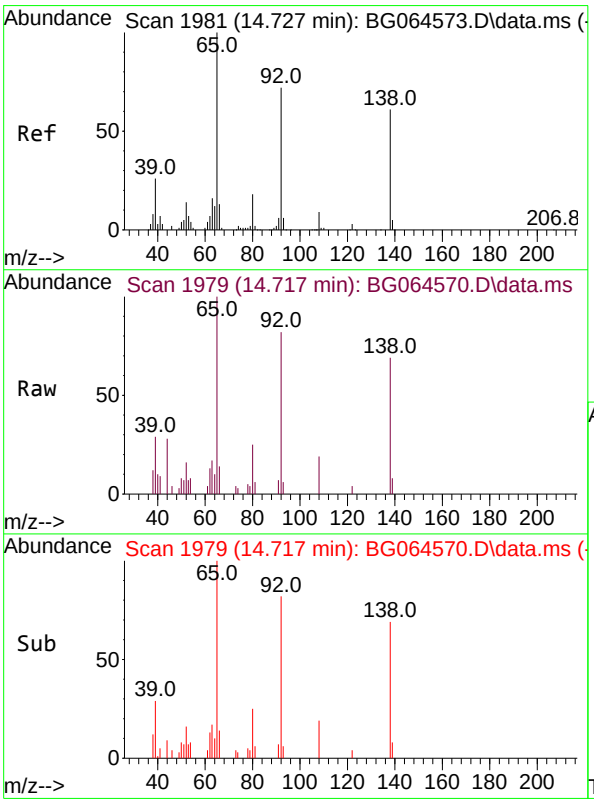
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

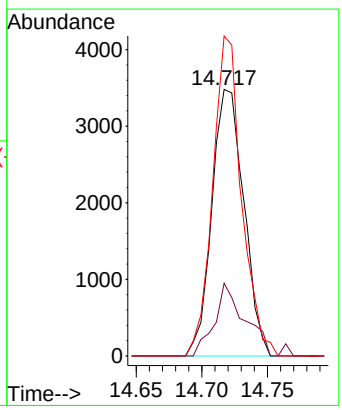
10/27/2025

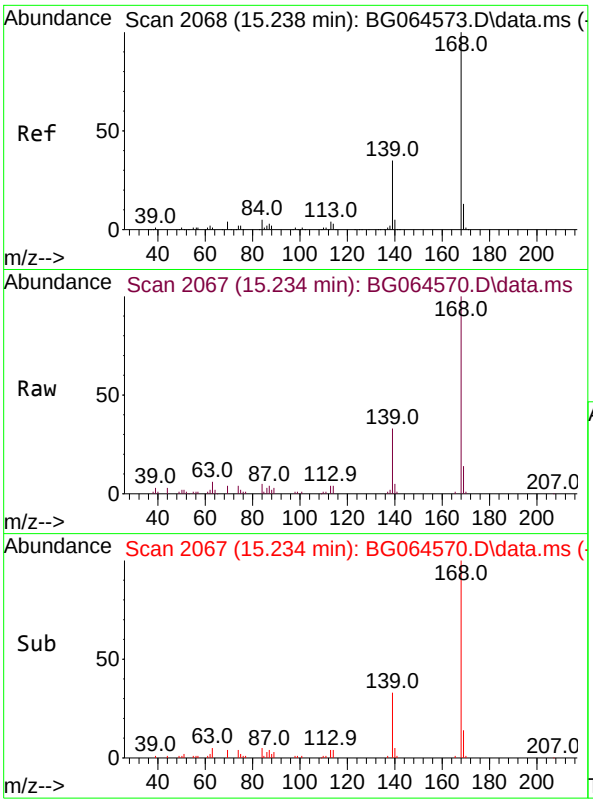


#53
3-Nitroaniline
Concen: 3.417 ng
RT: 14.717 min Scan# 1979
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 5903

Ion	Ratio	Lower	Upper
138	100		
108	27.2	11.4	17.0#
92	120.0	95.3	142.9

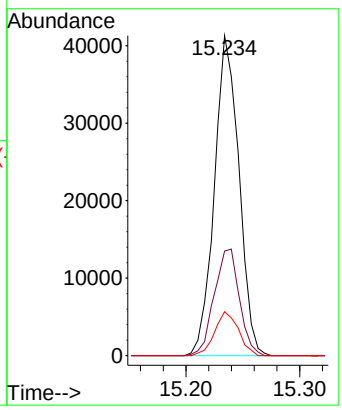




#55
Dibenzofuran
Concen: 5.029 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:168 Resp: 6177

Ion	Ratio	Lower	Upper
168	100		
139	32.7	27.8	41.8
169	13.7	10.3	15.5



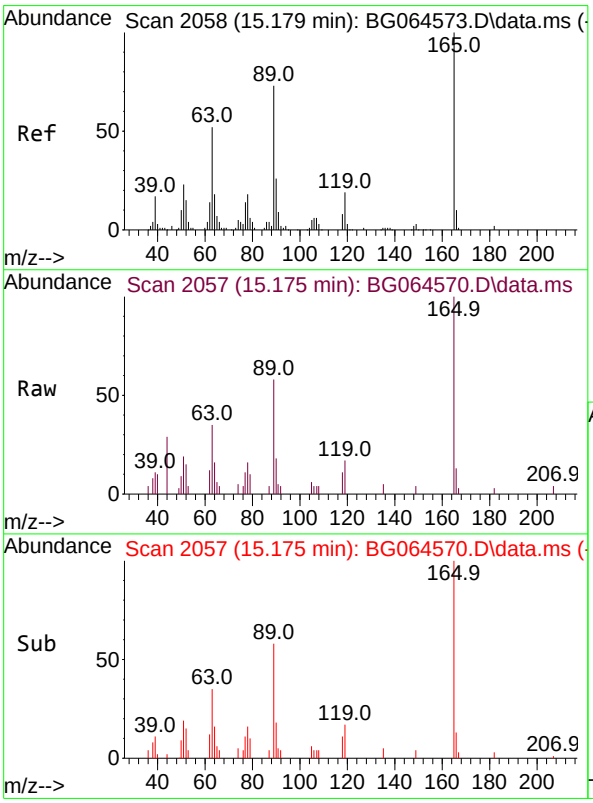
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

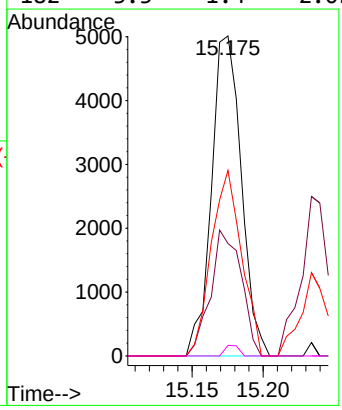
10/27/2025

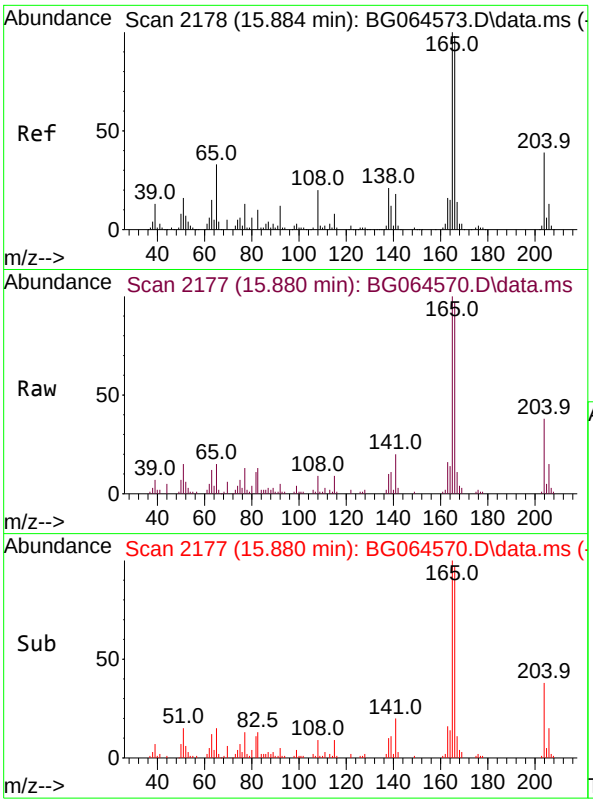


#57
2,4-Dinitrotoluene
Concen: 5.721 ng
RT: 15.175 min Scan# 2057
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:165 Resp: 7312

Ion	Ratio	Lower	Upper
165	100		
63	35.1	41.8	62.8#
89	57.9	58.1	87.1#
182	3.3	1.4	2.0#

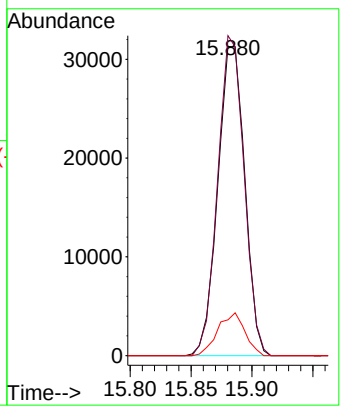




#58
Fluorene
Concen: 5.035 ng
RT: 15.880 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:166 Resp: 4830

Ion	Ratio	Lower	Upper
166	100		
165	103.5	81.5	122.3
167	11.6	11.4	17.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

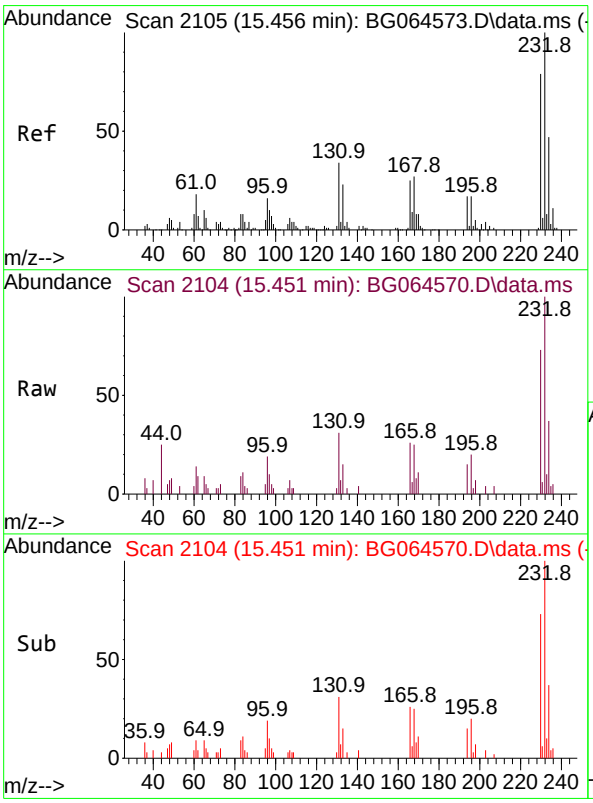
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

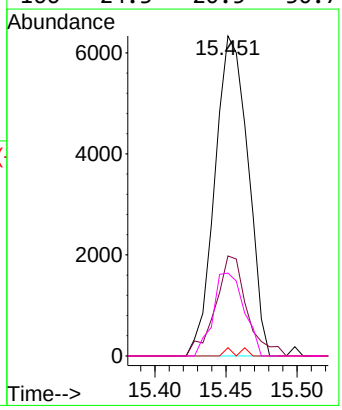
10/27/2025

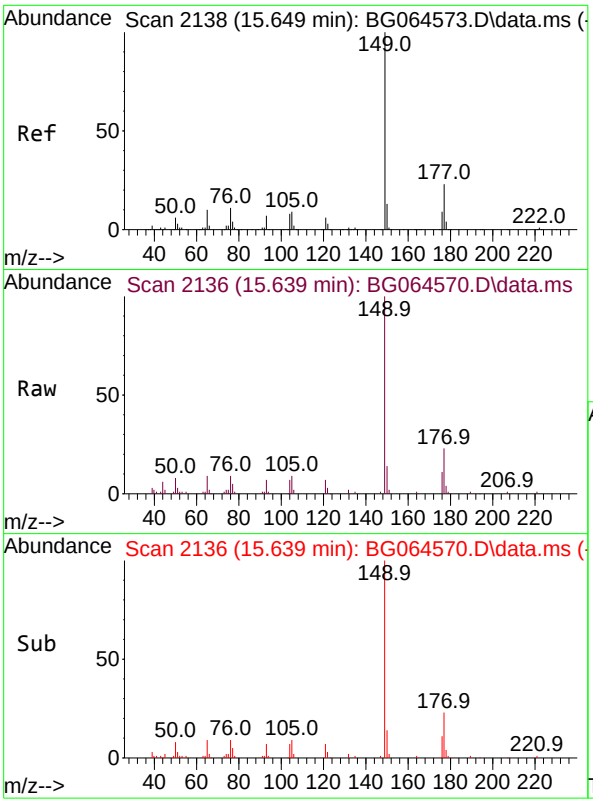


#59
2,3,4,6-Tetrachlorophenol
Concen: 3.679 ng
RT: 15.451 min Scan# 2104
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:232 Resp: 10241

Ion	Ratio	Lower	Upper
232	100		
131	29.7	26.7	40.1
130	1.1	1.6	2.4#
166	24.3	20.5	30.7

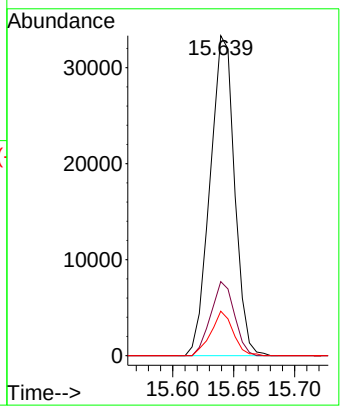




#60
Diethylphthalate
Concen: 4.533 ng
RT: 15.639 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4653

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.0	27.0
150	13.9	10.2	15.4



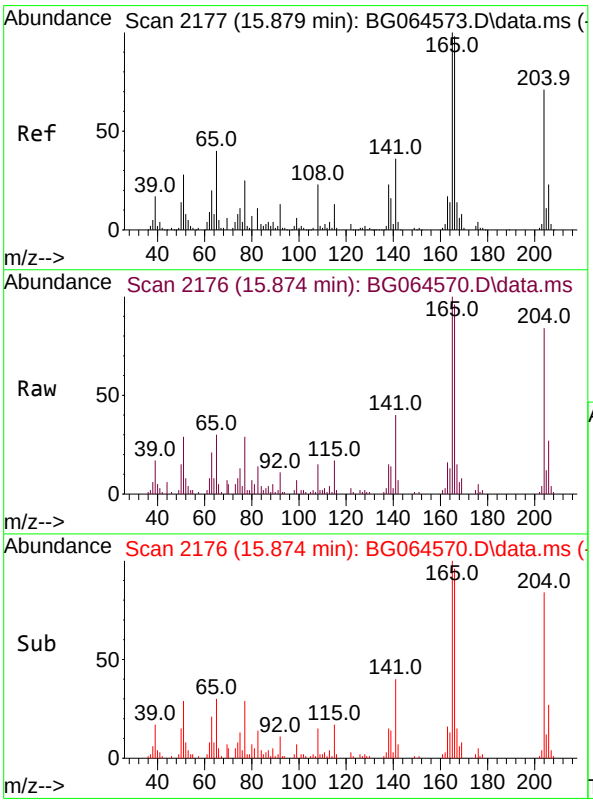
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

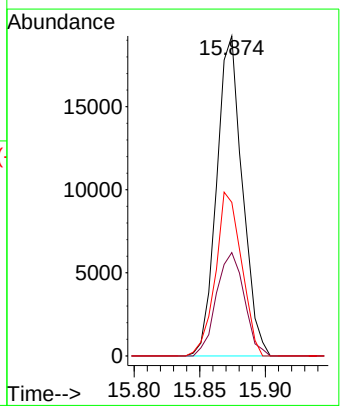
10/27/2025

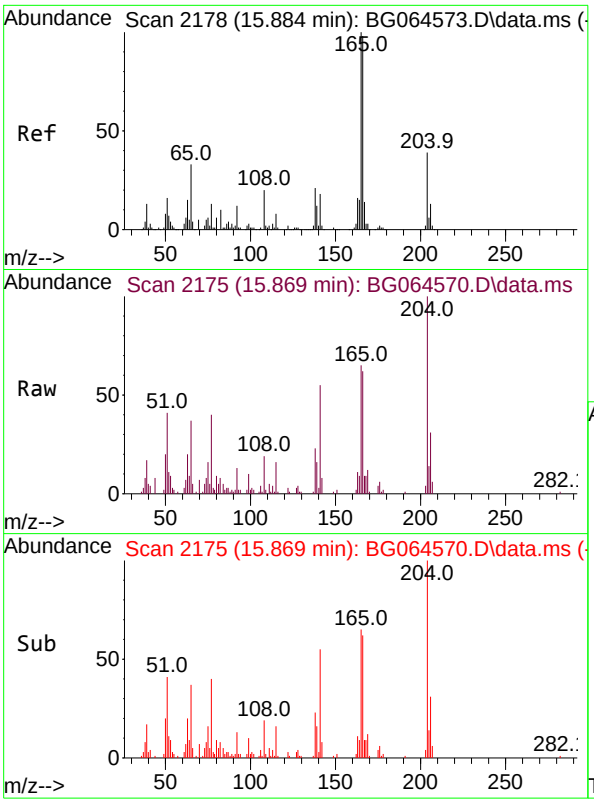


#61
4-Chlorophenyl-phenylether
Concen: 4.880 ng
RT: 15.874 min Scan# 2176
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:204 Resp: 26270

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.6	38.4
141	48.0	40.6	60.8

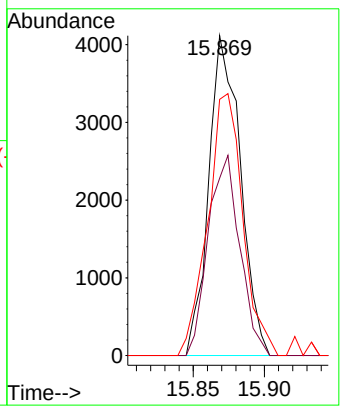




#62
4-Nitroaniline
Concen: 3.321 ng
RT: 15.869 min Scan# 2
Delta R.T. -0.025 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:138 Resp: 638

Ion	Ratio	Lower	Upper
138	100		
92	55.4	36.1	76.1
108	80.1	75.6	115.6



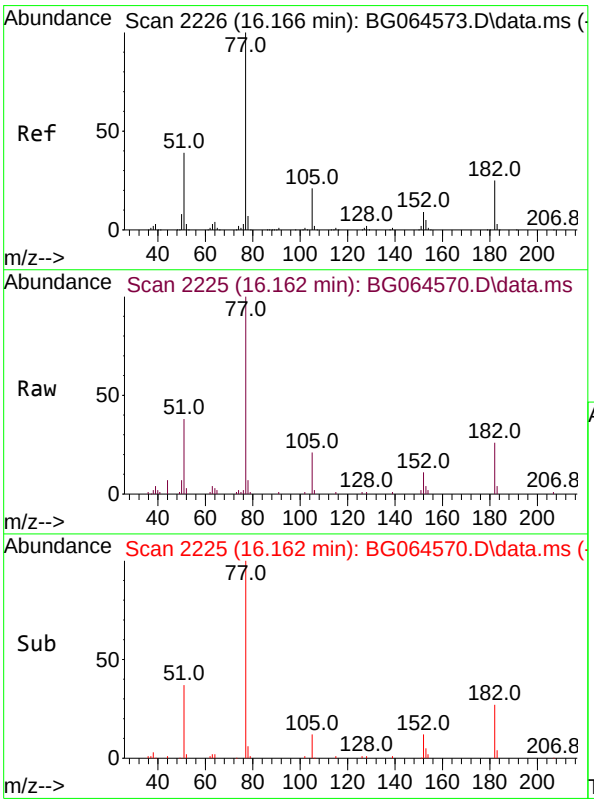
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

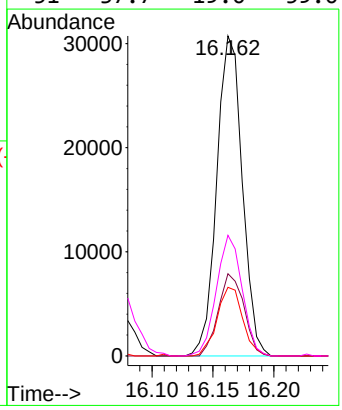
10/27/2025

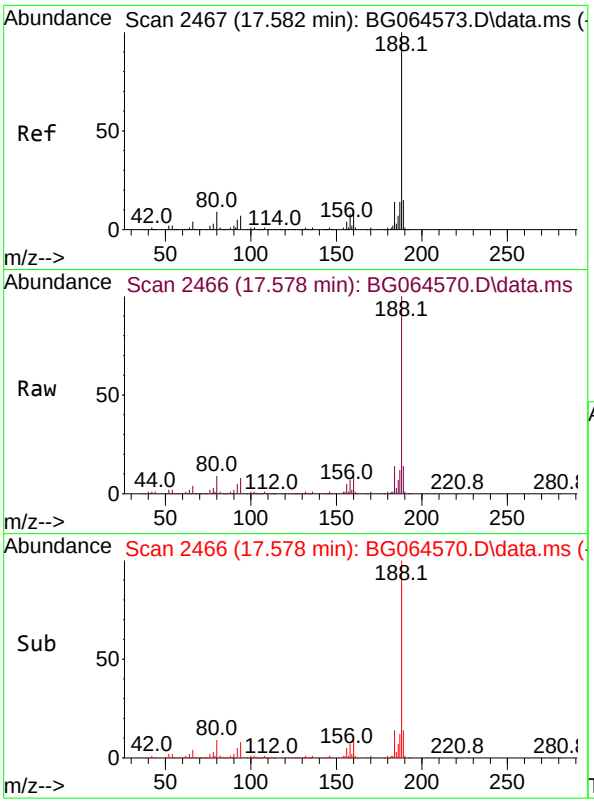


#63
Azobenzene
Concen: 4.749 ng
RT: 16.162 min Scan# 2225
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion: 77 Resp: 44729

Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	21.4	1.3	41.3
51	37.7	19.0	59.0

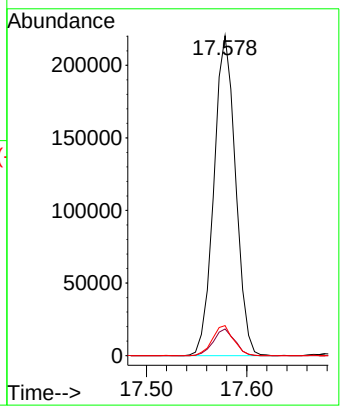




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.578 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:188 Resp: 331371

Ion	Ratio	Lower	Upper
188	100		
94	8.3	5.7	8.5
80	9.4	6.8	10.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

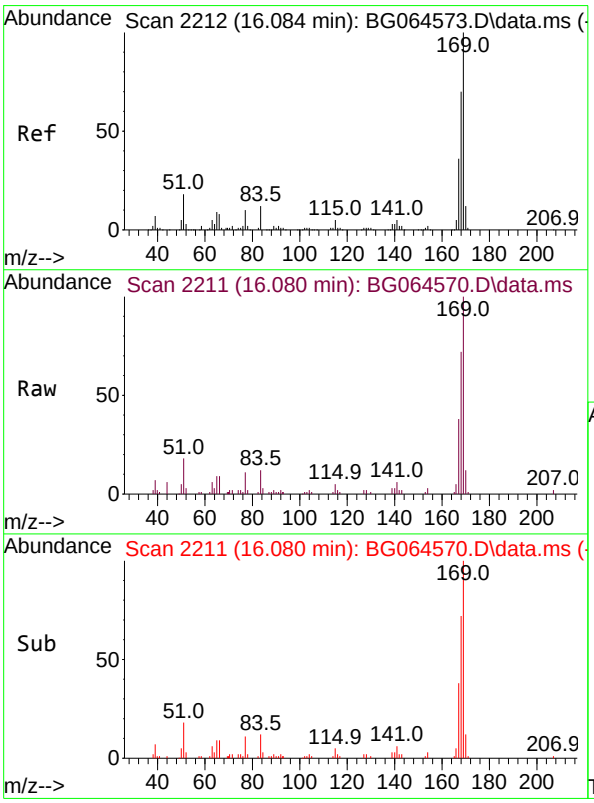
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

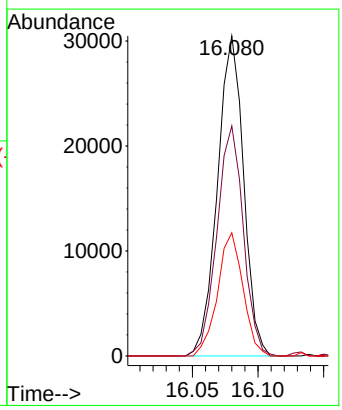
10/27/2025

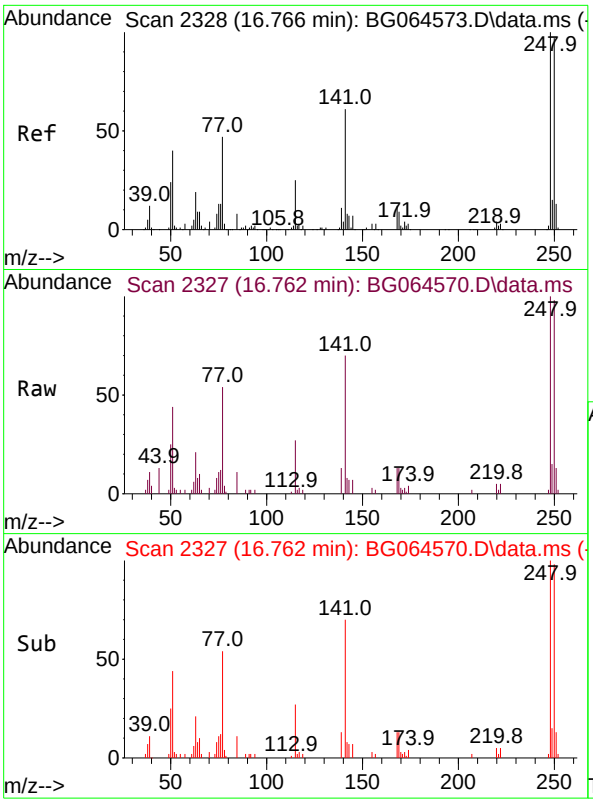


#66
n-Nitrosodiphenylamine
Concen: 4.725 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:169 Resp: 42291

Ion	Ratio	Lower	Upper
169	100		
168	71.9	56.3	84.5
167	38.5	29.0	43.6

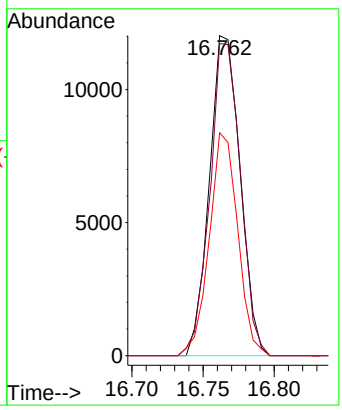




#67
4-Bromophenyl-phenylether
Concen: 4.600 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:248 Resp: 1806

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.7	116.5
141	69.6	48.6	72.8



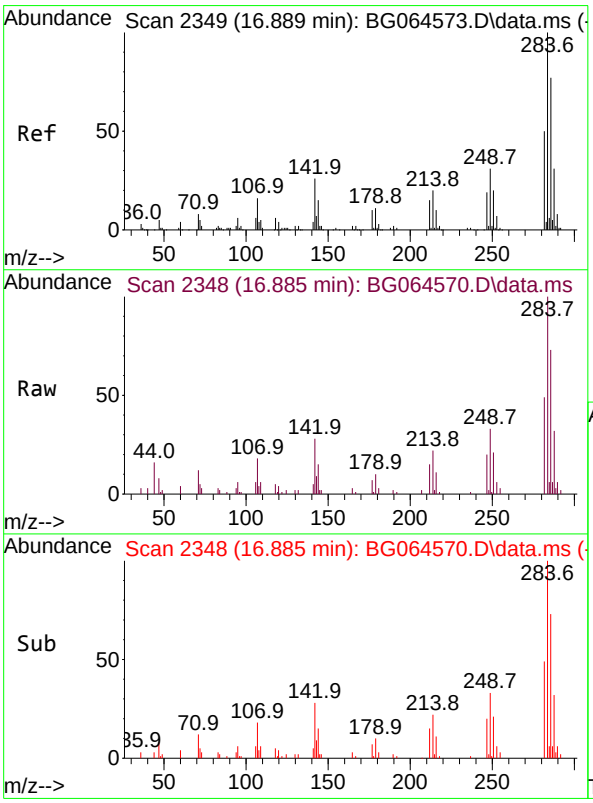
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

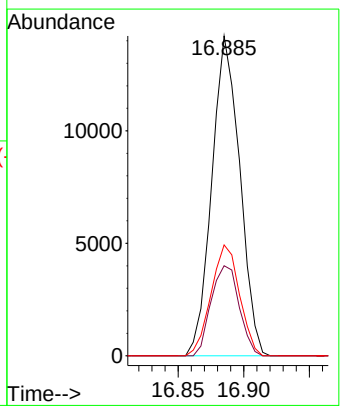
10/27/2025

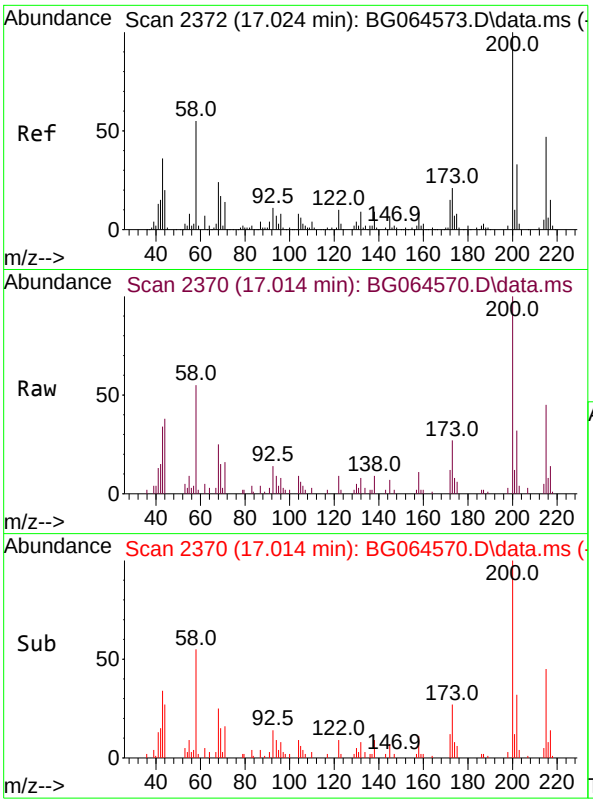


#68
Hexachlorobenzene
Concen: 4.705 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:284 Resp: 21076

Ion	Ratio	Lower	Upper
284	100		
142	28.2	21.0	31.6
249	34.7	24.9	37.3

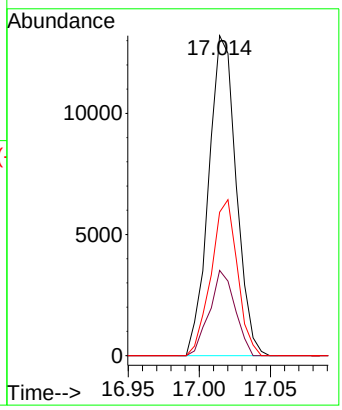




#69
Atrazine
Concen: 4.616 ng
RT: 17.014 min Scan# 2
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:200 Resp: 1778

Ion	Ratio	Lower	Upper
200	100		
173	26.6	0.9	40.9
215	44.8	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

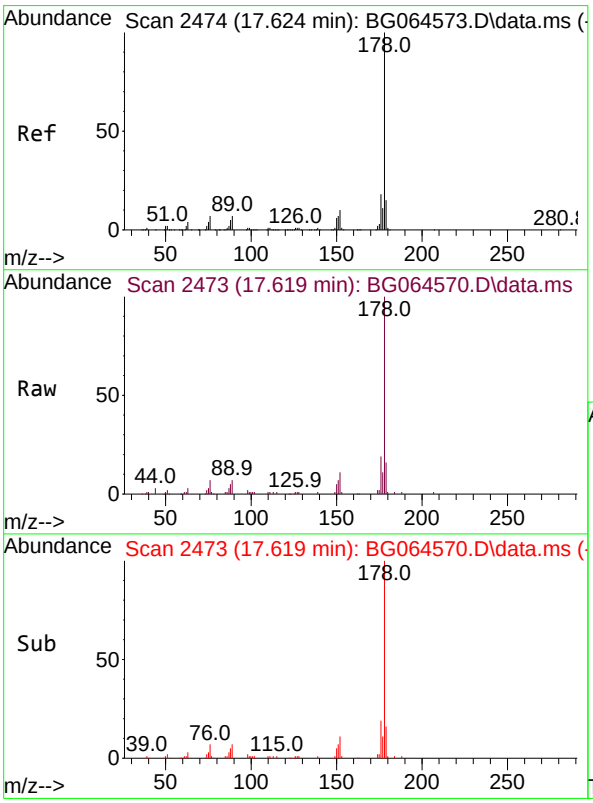
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

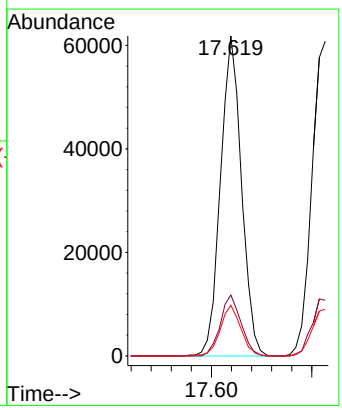
10/27/2025

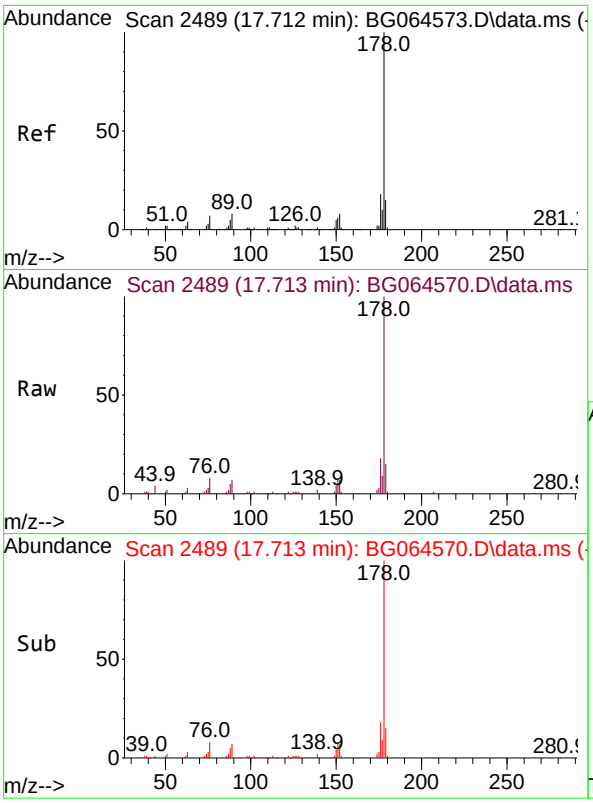


#71
Phenanthrene
Concen: 4.954 ng
RT: 17.619 min Scan# 2473
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 89771

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4

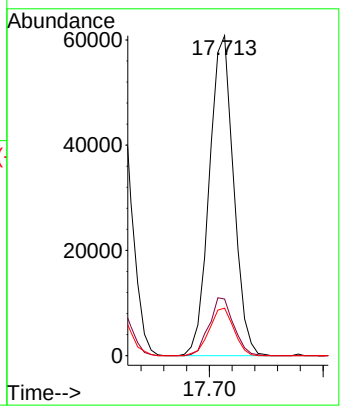




#72
Anthracene
Concen: 4.886 ng
RT: 17.713 min Scan# 24
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:178 Resp: 9006

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.4	21.6
179	14.8	12.4	18.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

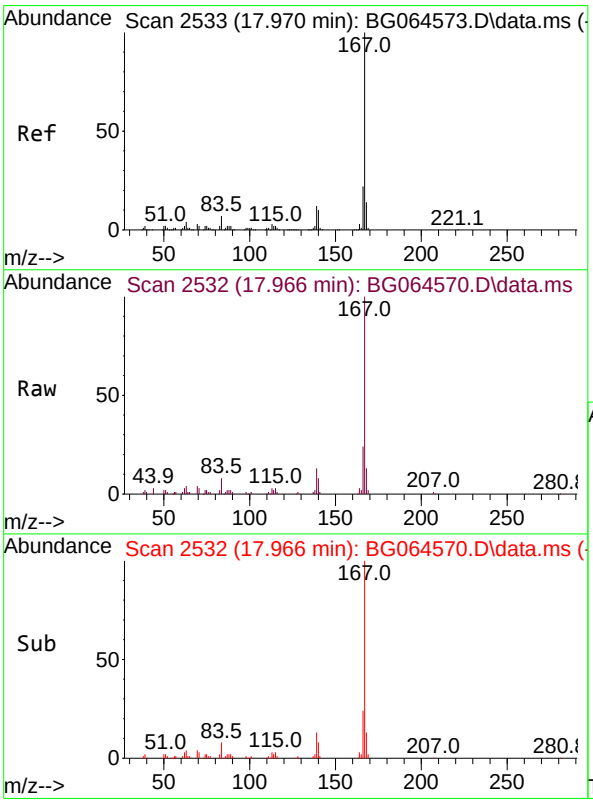
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

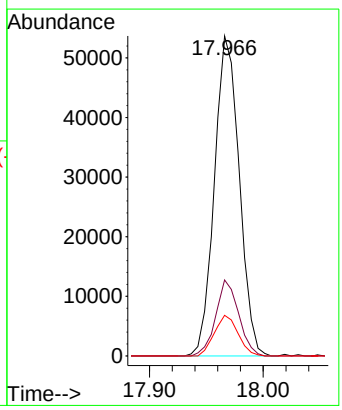
10/27/2025

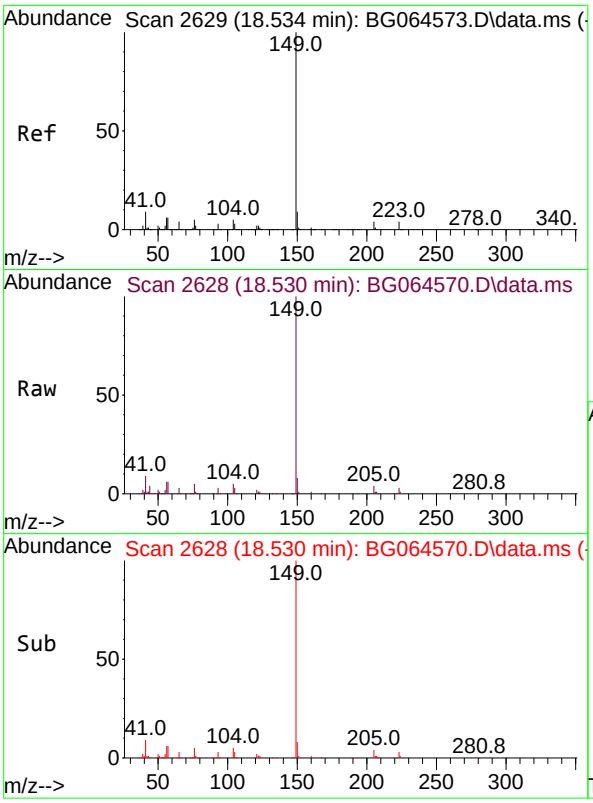


#73
Carbazole
Concen: 5.005 ng
RT: 17.966 min Scan# 2532
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:167 Resp: 81350

Ion	Ratio	Lower	Upper
167	100		
166	23.7	17.9	26.9
139	12.7	9.7	14.5

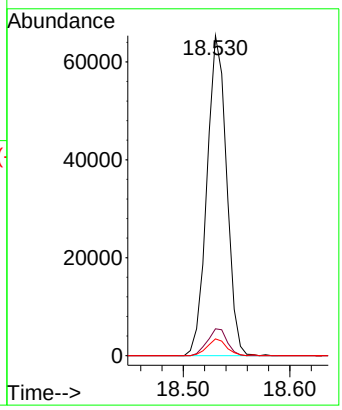




#74
Di-n-butylphthalate
Concen: 4.454 ng
RT: 18.530 min Scan# 2
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 8371

Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.0	10.6
104	5.2	4.1	6.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

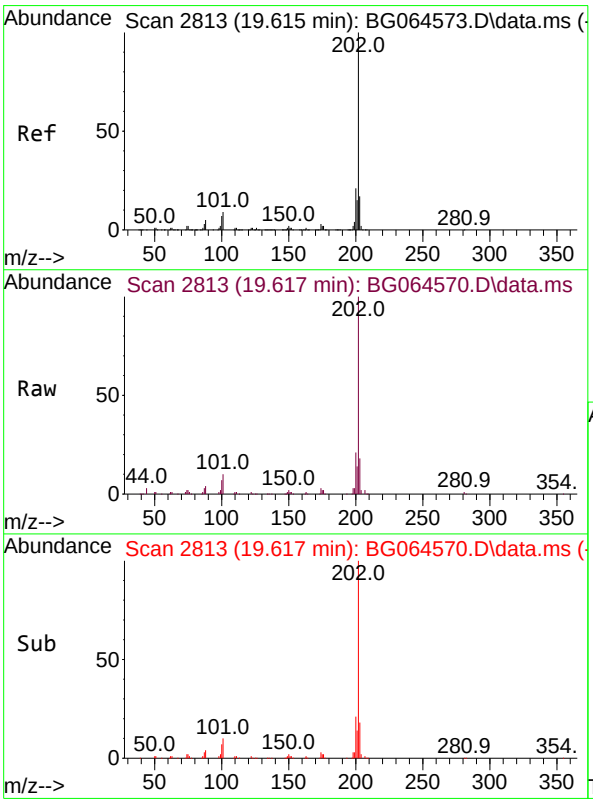
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

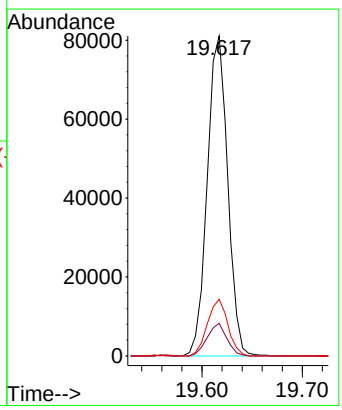
10/27/2025

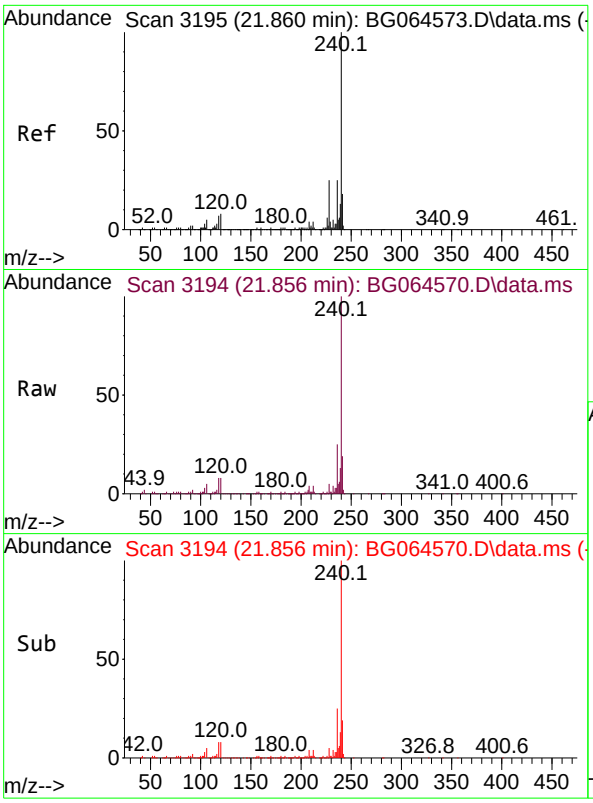


#75
Fluoranthene
Concen: 5.054 ng
RT: 19.617 min Scan# 2813
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 114724

Ion	Ratio	Lower	Upper
202	100		
101	10.2	0.0	28.7
203	17.7	0.0	37.0

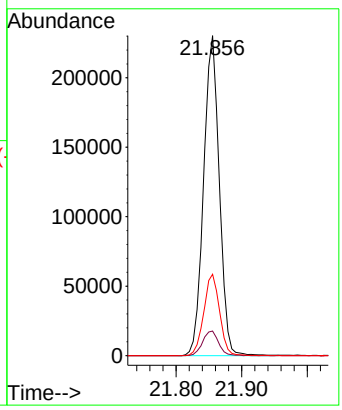




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 31
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:240 Resp: 381389

Ion	Ratio	Lower	Upper
240	100		
120	7.7	6.5	9.7
236	25.4	20.2	30.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC005

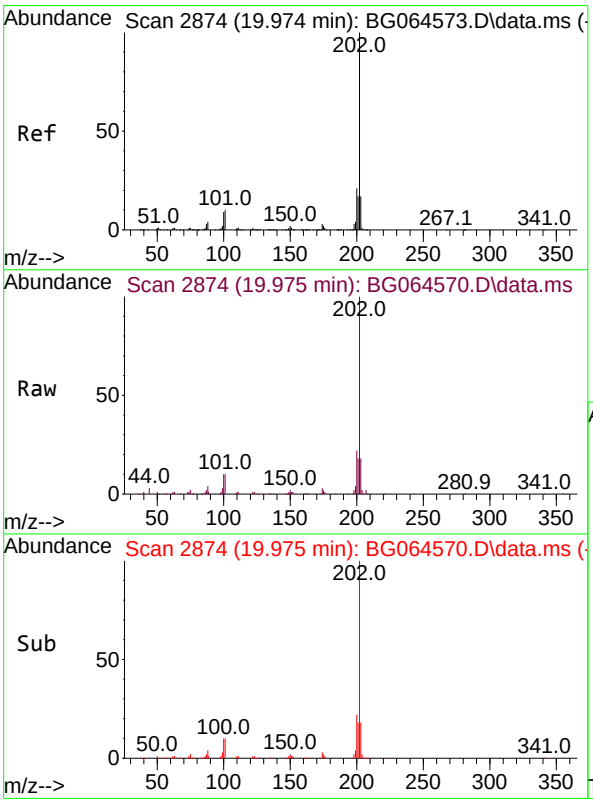
Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025

Supervised By :Jagrut Upadhyay

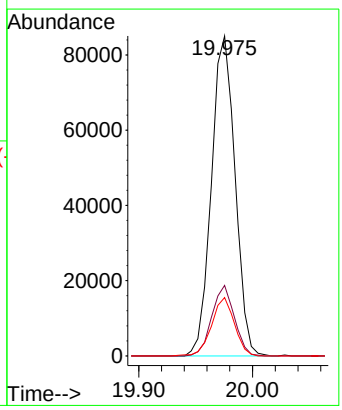
10/27/2025

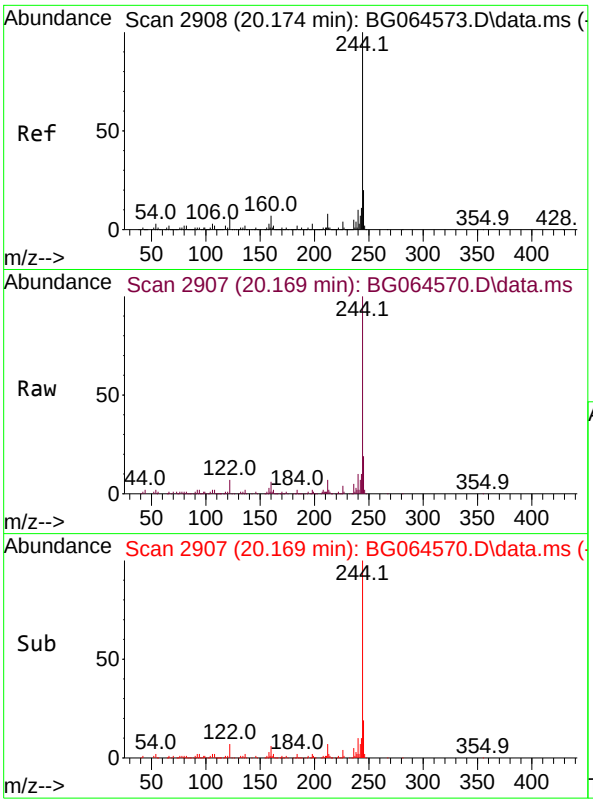


#78
Pyrene
Concen: 4.923 ng
RT: 19.975 min Scan# 2874
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:202 Resp: 122676

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.0	25.4
203	18.2	13.8	20.6

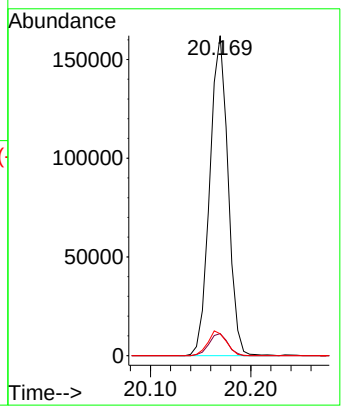




#79
Terphenyl-d14
Concen: 10.130 ng
RT: 20.169 min Scan# 29
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:244 Resp: 204719

Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.1	9.1
122	6.8	5.6	8.4



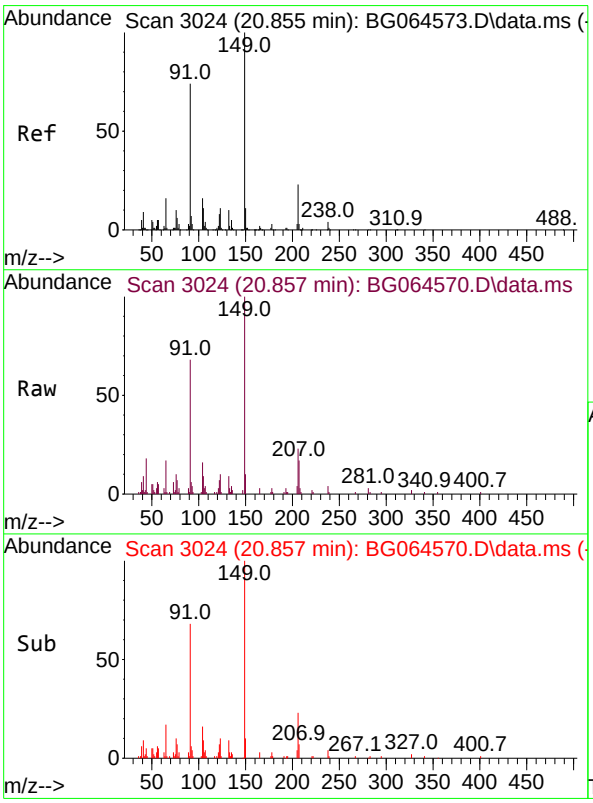
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

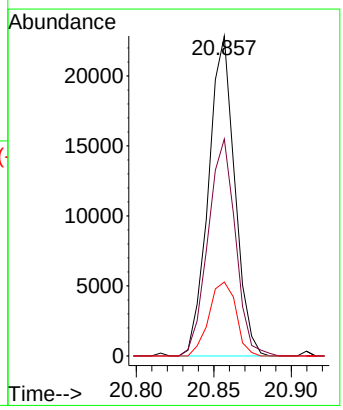
10/27/2025

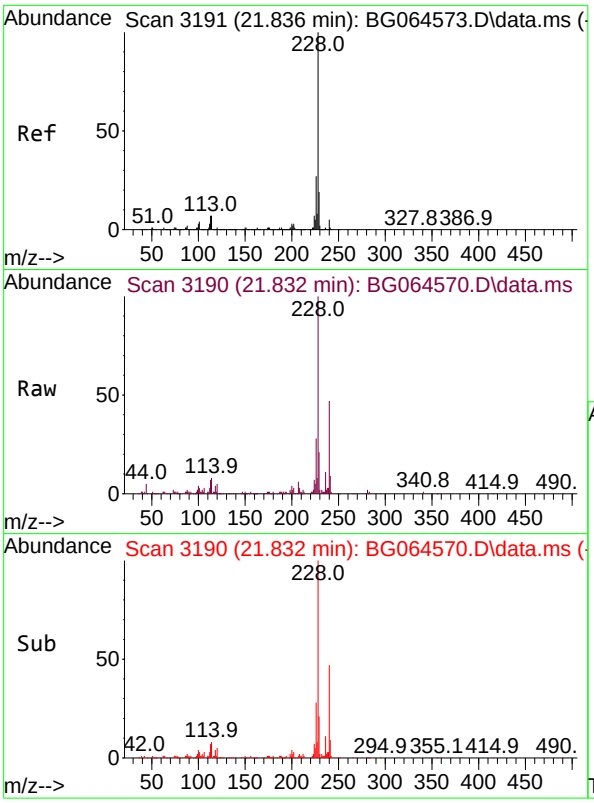


#80
Butylbenzylphthalate
Concen: 3.595 ng
RT: 20.857 min Scan# 3024
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 27072

Ion	Ratio	Lower	Upper
149	100		
91	67.8	59.2	88.8
206	23.1	18.1	27.1

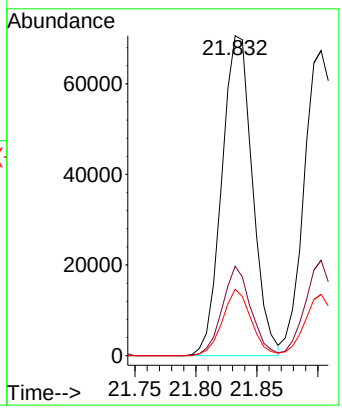




#81
Benzo(a)anthracene
Concen: 4.878 ng
RT: 21.832 min Scan# 3
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 12334

Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.9	32.9
229	20.7	15.6	23.4



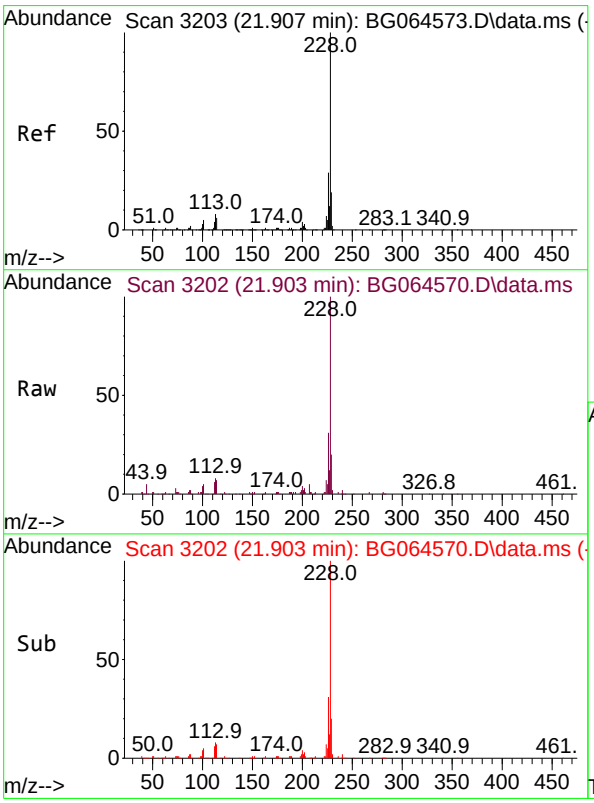
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

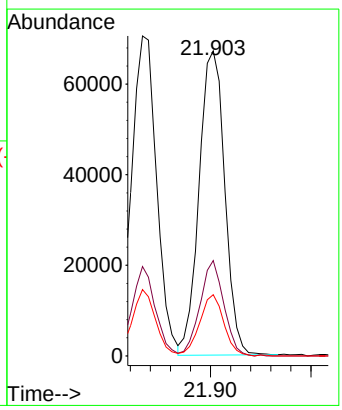
10/27/2025

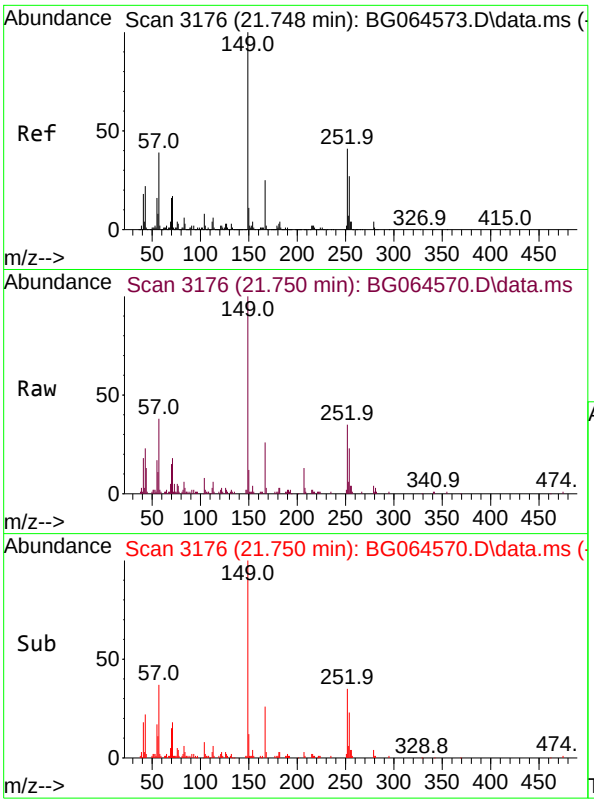


#83
Chrysene
Concen: 4.949 ng
RT: 21.903 min Scan# 3202
Delta R.T. -0.008 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:228 Resp: 119080

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.3	34.9
229	20.1	15.2	22.8

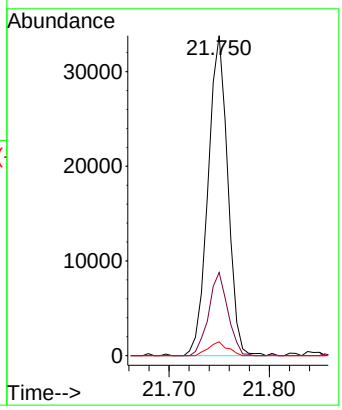




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.098 ng
RT: 21.750 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:149 Resp: 4611

Ion	Ratio	Lower	Upper
149	100		
167	26.0	20.0	30.0
279	4.3	3.1	4.7



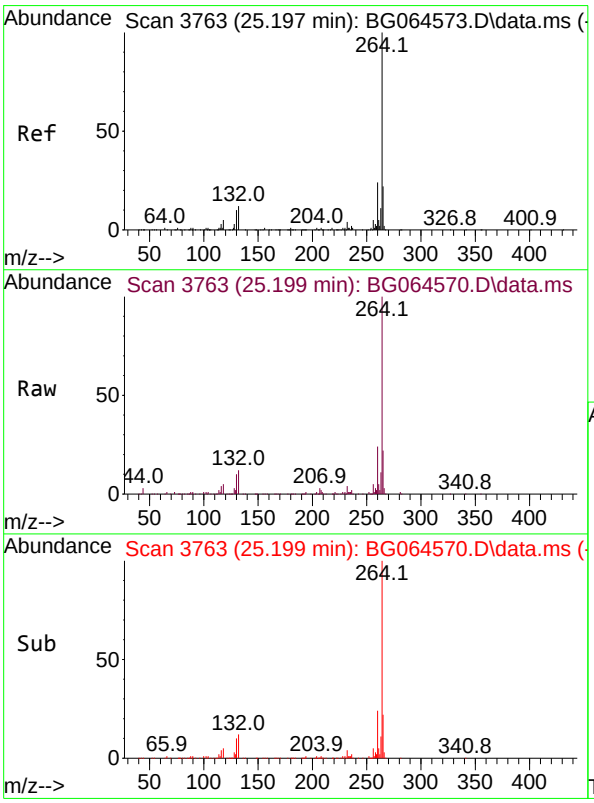
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

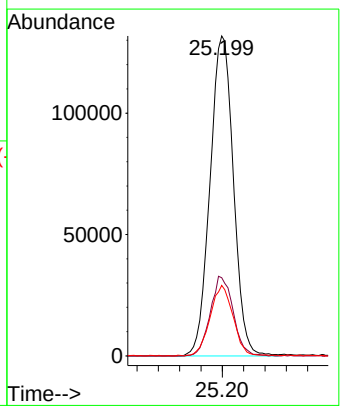
10/27/2025

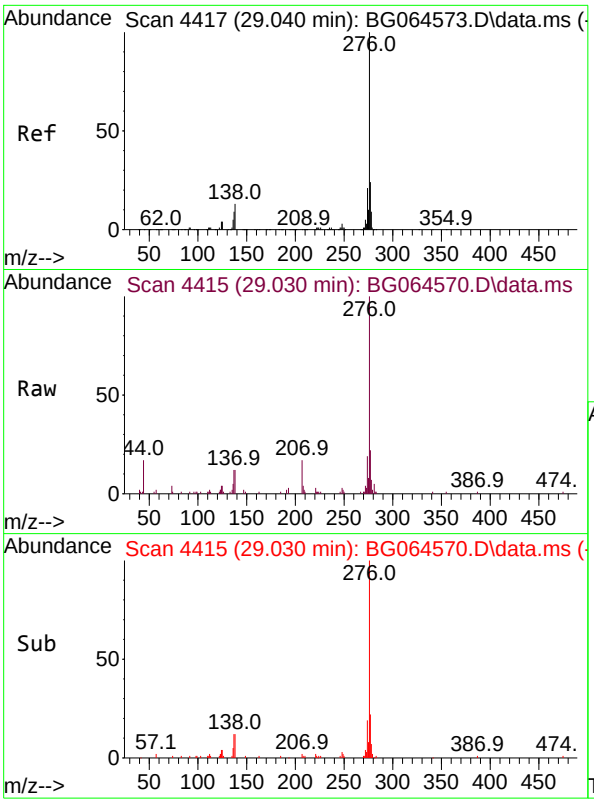


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.199 min Scan# 3763
Delta R.T. -0.002 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:264 Resp: 401350

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.0	28.4
265	22.1	17.6	26.4

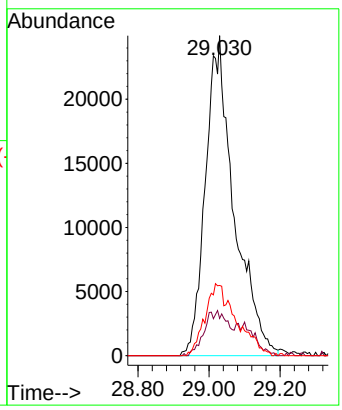




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.700 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.031 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 13875

Ion	Ratio	Lower	Upper
276	100		
138	0.0	10.8	16.2
277	24.6	20.1	30.1



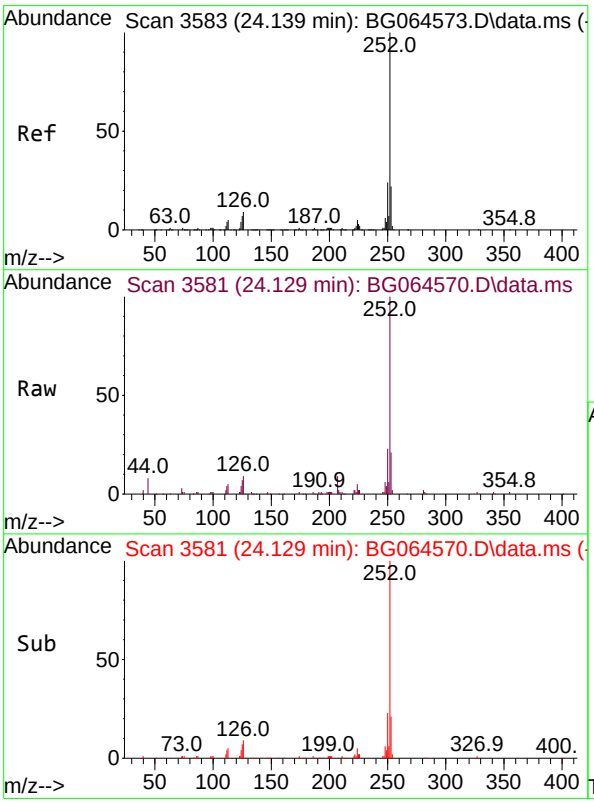
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

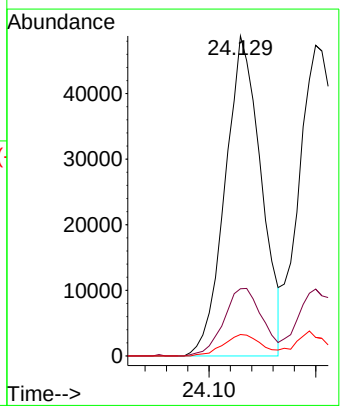
10/27/2025

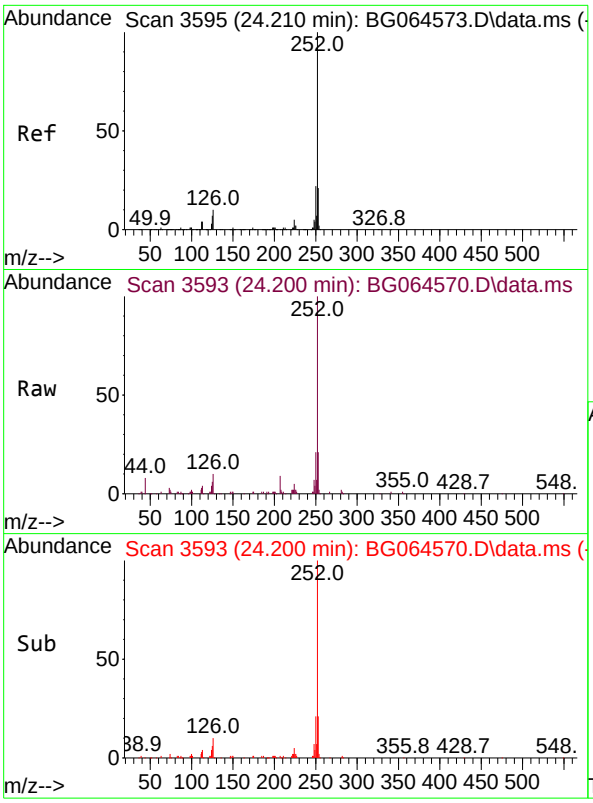


#88
Benzo(b)fluoranthene
Concen: 4.640 ng
RT: 24.129 min Scan# 3581
Delta R.T. -0.014 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 114203

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.8
125	6.7	5.6	8.4

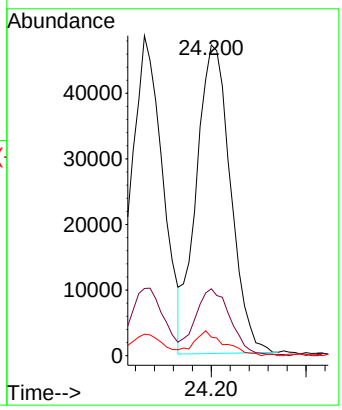




#89
Benzo(k)fluoranthene
Concen: 4.787 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.019 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 11789

Ion	Ratio	Lower	Upper
252	100		
253	21.5	16.8	25.2
125	6.0	5.4	8.0



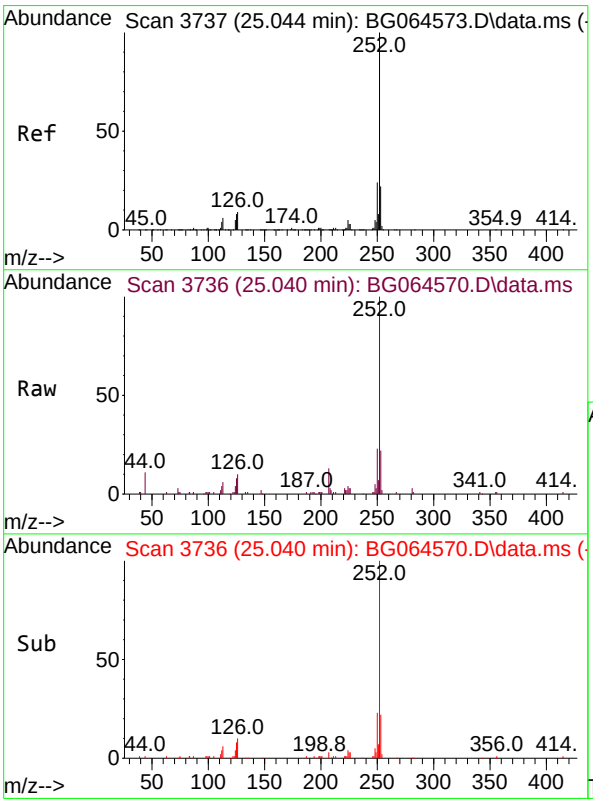
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

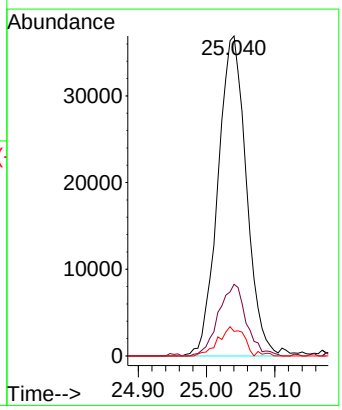
10/27/2025

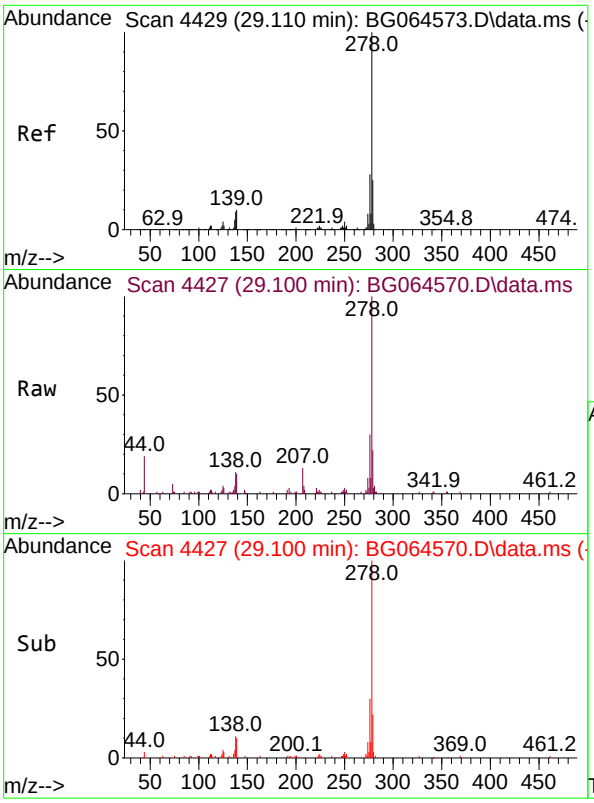


#90
Benzo(a)pyrene
Concen: 4.704 ng
RT: 25.040 min Scan# 3736
Delta R.T. -0.020 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:252 Resp: 106414

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.6	26.4
125	7.7	6.1	9.1

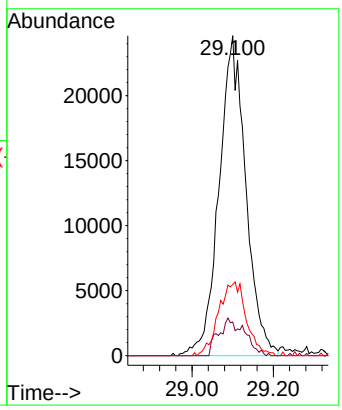




#91
Dibenzo(a,h)anthracene
Concen: 4.686 ng
RT: 29.100 min Scan# 44
Delta R.T. -0.037 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:278 Resp: 11239

Ion	Ratio	Lower	Upper
278	100		
139	10.5	8.0	12.0
279	22.2	19.8	29.6



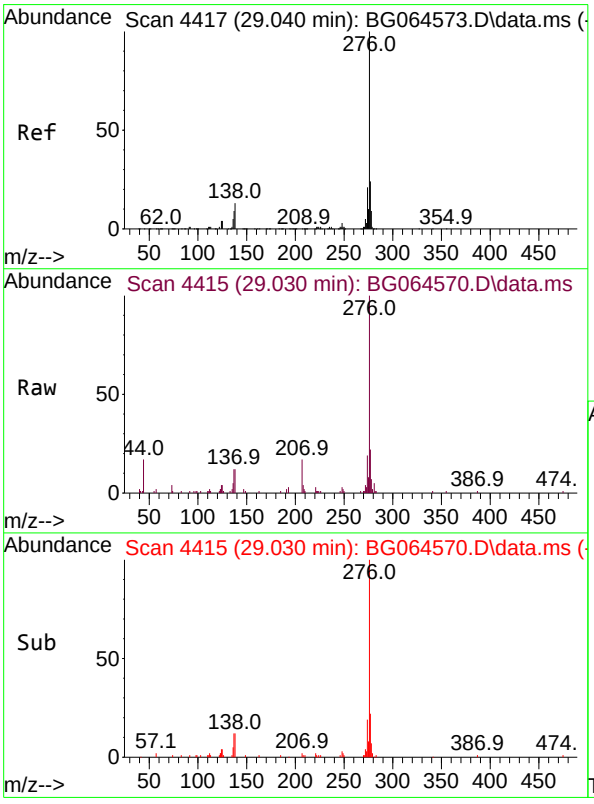
Instrument :
BNA_G
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli

10/27/2025
Supervised By :Jagrut Upadhyay

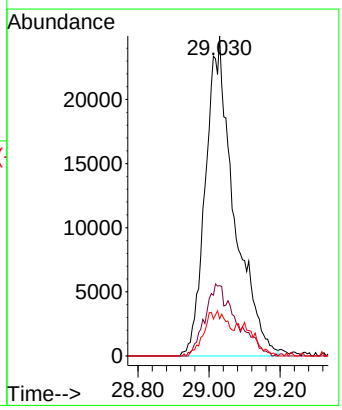
10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 4.700 ng
RT: 29.030 min Scan# 4415
Delta R.T. -0.031 min
Lab File: BG064570.D
Acq: 24 Oct 2025 9:41

Tgt Ion:276 Resp: 138758

Ion	Ratio	Lower	Upper
276	100		
277	21.9	19.2	28.8
138	11.6	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.218	152	36324	20.000	ng		0.00
21) Naphthalene-d8	11.044	136	151627	20.000	ng		0.00
39) Acenaphthene-d10	14.839	164	117618	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	300549	20.000	ng		0.00
76) Chrysene-d12	21.855	240	343958	20.000	ng		0.00
86) Perylene-d12	25.198	264	354939	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	43837	20.257	ng		0.00
7) Phenol-d6	7.348	99	60084	20.233	ng		0.00
23) Nitrobenzene-d5	9.381	82	43376	17.182	ng		0.00
42) 2,4,6-Tribromophenol	16.314	330	31236	18.400	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	163340	21.050	ng		0.00
79) Terphenyl-d14	20.168	244	385094	21.129	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	10545	11.006	ng		97
3) Pyridine	3.999	79	29199	10.148	ng		95
4) n-Nitrosodimethylamine	3.905	42	16561	10.733	ng	#	92
6) Aniline	7.530	93	42134	10.427	ng		97
8) 2-Chlorophenol	7.777	128	21922	9.678	ng		96
9) Benzaldehyde	7.342	77	17117	10.558	ng		94
10) Phenol	7.372	94	33058	10.066	ng		87
11) bis(2-Chloroethyl)ether	7.530	93	42134	10.427	ng		100
12) 1,3-Dichlorobenzene	8.112	146	27537	10.562	ng		98
13) 1,4-Dichlorobenzene	8.253	146	28081	10.593	ng		91
14) 1,2-Dichlorobenzene	8.576	146	27577	10.785	ng		96
15) Benzyl Alcohol	8.447	79	23263	9.500	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.741	45	65452	10.334	ng		97
17) 2-Methylphenol	8.441	107	12176	9.947	ng		91
18) Hexachloroethane	9.322	117	9723	10.452	ng		93
19) n-Nitroso-di-n-propyla...	9.017	70	20724	10.098	ng	#	98
20) 3+4-Methylphenols	8.970	107	30009	9.786	ng		95
22) Acetophenone	9.040	105	42851	10.338	ng	#	93
24) Nitrobenzene	9.422	77	23618	8.602	ng		98
25) Isophorone	9.951	82	60347	9.962	ng		98
26) 2-Nitrophenol	10.139	139	7208	9.491	ng	#	91
27) 2,4-Dimethylphenol	10.192	122	22259	9.685	ng		96
28) bis(2-Chloroethoxy)met...	10.433	93	35170	10.197	ng		98
29) 2,4-Dichlorophenol	10.680	162	22643	9.338	ng		94
30) 1,2,4-Trichlorobenzene	10.903	180	27947	10.143	ng		93
31) Naphthalene	11.097	128	86750	10.319	ng		99
32) Benzoic acid	10.245	122	7890m	11.001	ng		
33) 4-Chloroaniline	11.185	127	34581	10.583	ng		97
34) Hexachlorobutadiene	11.390	225	22099	10.256	ng		95
35) Caprolactam	11.931	113	8521	9.162	ng		92
36) 4-Chloro-3-methylphenol	12.289	107	28904	9.916	ng		98
37) 2-Methylnaphthalene	12.689	142	65070	10.543	ng		95
38) 1-Methylnaphthalene	12.906	142	64384	10.601	ng		95
40) 1,2,4,5-Tetrachloroben...	13.053	216	40253	10.197	ng		98
41) Hexachlorocyclopentadiene	13.036	237	15733	8.855	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	19584	8.673	ng		91

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.341	196	24973	9.584	ng		94
46) 1,1'-Biphenyl	13.682	154	85287	10.200	ng		96
47) 2-Chloronaphthalene	13.723	162	63631	10.081	ng		98
48) 2-Nitroaniline	13.905	65	13764	9.284	ng		91
49) Acenaphthylene	14.563	152	101526	10.198	ng		100
50) Dimethylphthalate	14.281	163	92308	10.256	ng		96
51) 2,6-Dinitrotoluene	14.393	165	10601	9.857	ng		87
52) Acenaphthene	14.904	154	69273	10.184	ng		97
53) 3-Nitroaniline	14.722	138	12414	8.026	ng	#	92
54) 2,4-Dinitrophenol	14.922	184	5082	10.760	ng	#	1
55) Dibenzofuran	15.239	168	115990	10.548	ng		97
56) 4-Nitrophenol	15.010	139	11207	7.815	ng		86
57) 2,4-Dinitrotoluene	15.174	165	15797	9.494	ng	#	94
58) Fluorene	15.879	166	91712	10.679	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.450	232	22645	9.088	ng	#	99
60) Diethylphthalate	15.644	149	96719	10.525	ng		98
61) 4-Chlorophenyl-phenyle...	15.873	204	50818	10.544	ng		97
62) 4-Nitroaniline	15.873	138	14819	8.612	ng		95
63) Azobenzene	16.161	77	88441	10.489	ng		97
65) 4,6-Dinitro-2-methylph...	15.938	198	8190	10.919	ng		86
66) n-Nitrosodiphenylamine	16.079	169	82787	10.197	ng		99
67) 4-Bromophenyl-phenylether	16.767	248	35433	9.949	ng		96
68) Hexachlorobenzene	16.884	284	39975	9.838	ng		94
69) Atrazine	17.019	200	34185	9.785	ng		99
70) Pentachlorophenol	17.225	266	19859	7.838	ng		96
71) Phenanthrene	17.618	178	170294	10.361	ng		99
72) Anthracene	17.712	178	171860	10.279	ng		98
73) Carbazole	17.965	167	155907	10.575	ng		99
74) Di-n-butylphthalate	18.529	149	173716	10.189	ng		99
75) Fluoranthene	19.616	202	219838	10.677	ng		98
77) Benzidine	19.781	184	67427	8.750	ng		99
78) Pyrene	19.975	202	228905	10.186	ng		99
80) Butylbenzylphthalate	20.850	149	61669	9.080	ng		94
81) Benzo(a)anthracene	21.831	228	233051	10.219	ng		99
82) 3,3'-Dichlorobenzidine	21.737	252	71951	9.448	ng		94
83) Chrysene	21.902	228	222018	10.231	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	95500	9.410	ng	#	99
85) Di-n-octyl phthalate	23.012	149	149877	8.759	ng		99
87) Indeno(1,2,3-cd)pyrene	29.023	276	264547	10.132	ng		93
88) Benzo(b)fluoranthene	24.128	252	221197	10.163	ng		98
89) Benzo(k)fluoranthene	24.199	252	223674	10.270	ng		98
90) Benzo(a)pyrene	25.033	252	202985	10.146	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	217114	10.235	ng		99
92) Benzo(g,h,i)perylene	29.023	276	264547	10.132	ng		97

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

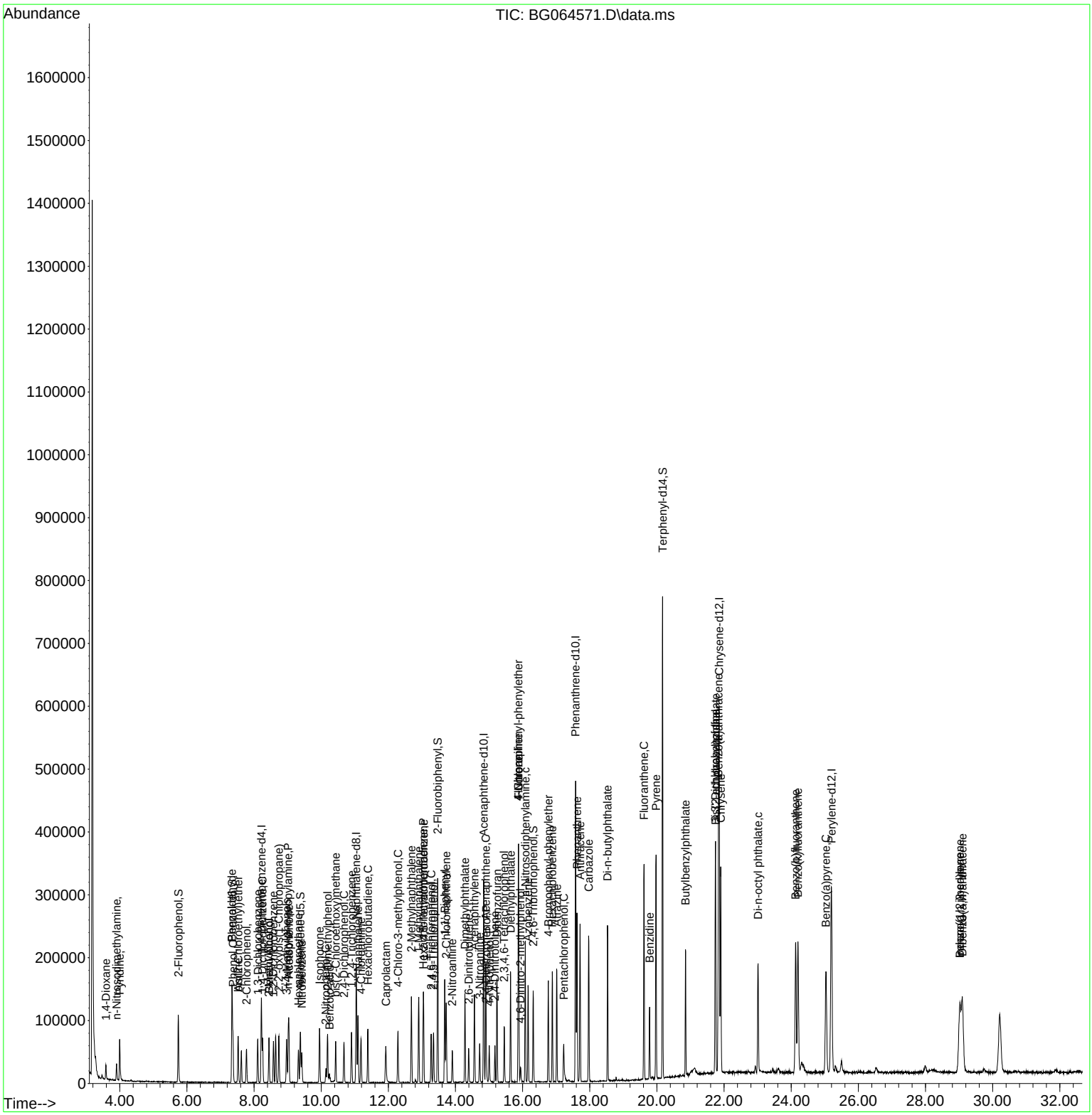
ICAL Form

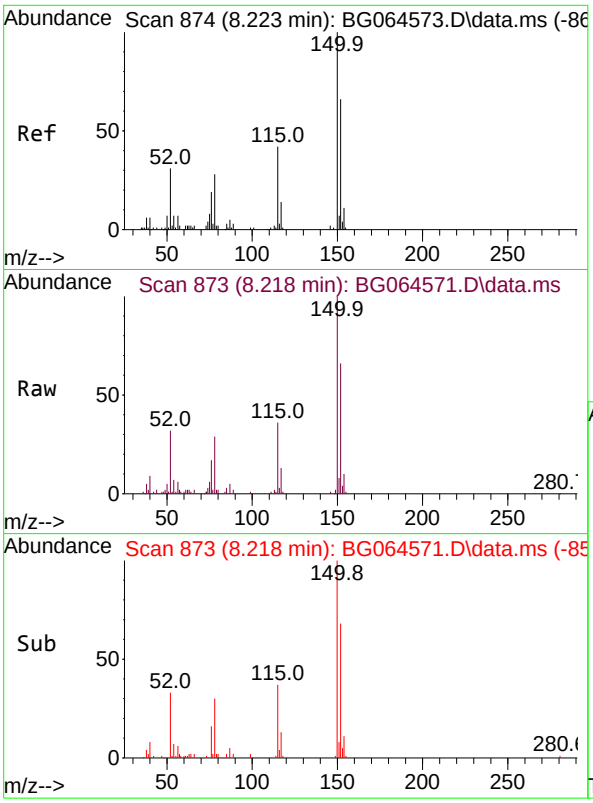
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064571.D
Acq On : 24 Oct 2025 11:02
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 24 17:10:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

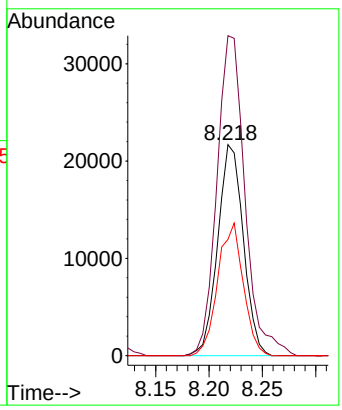




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.218 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 3632

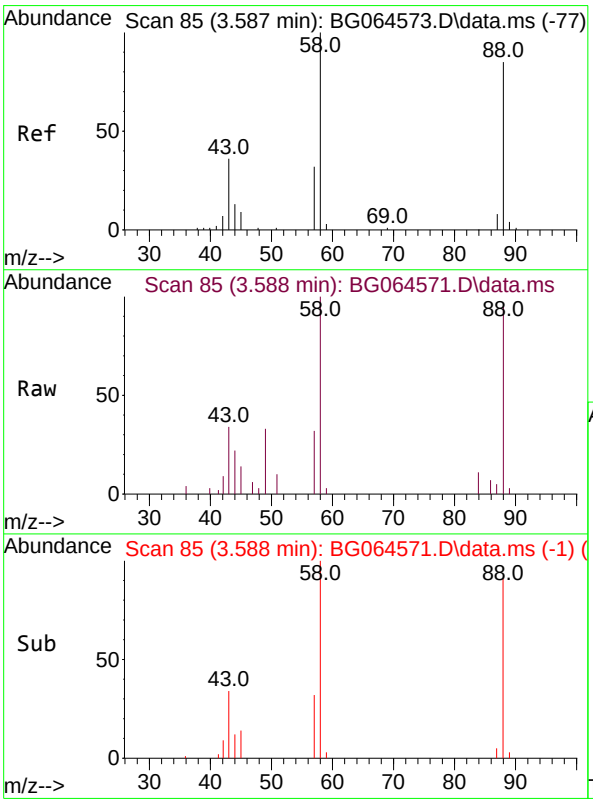
Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	55.1	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

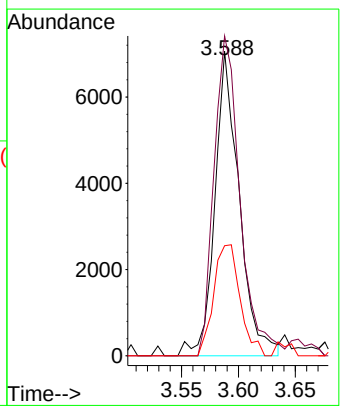
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

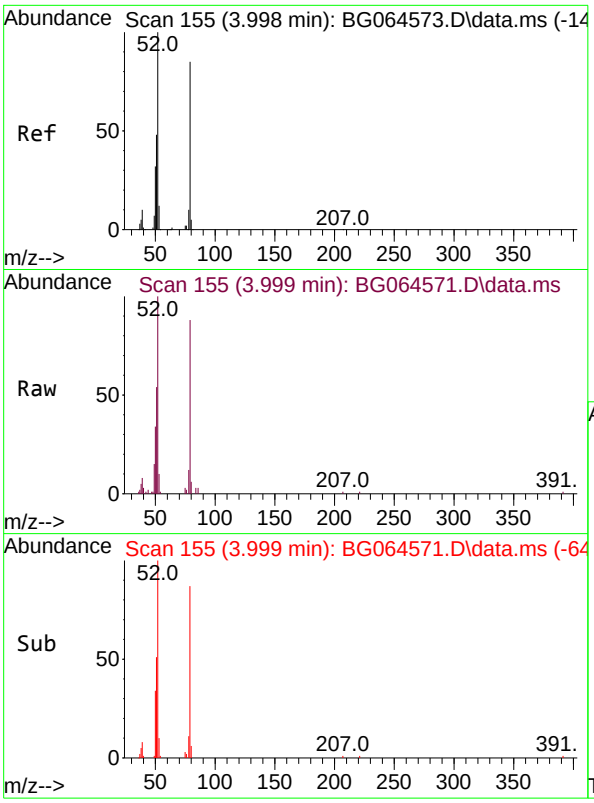


#2
1,4-Dioxane
Concen: 11.006 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 88 Resp: 10545

Ion	Ratio	Lower	Upper
88	100		
58	112.0	92.4	138.6
43	39.4	33.0	49.6

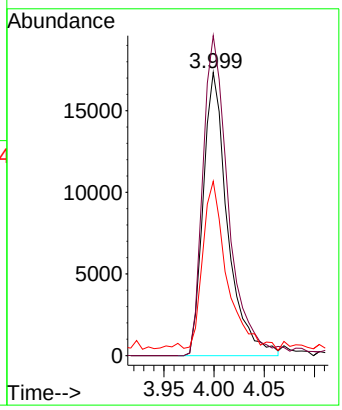




#3
Pyridine
Concen: 10.148 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 79 Resp: 2919

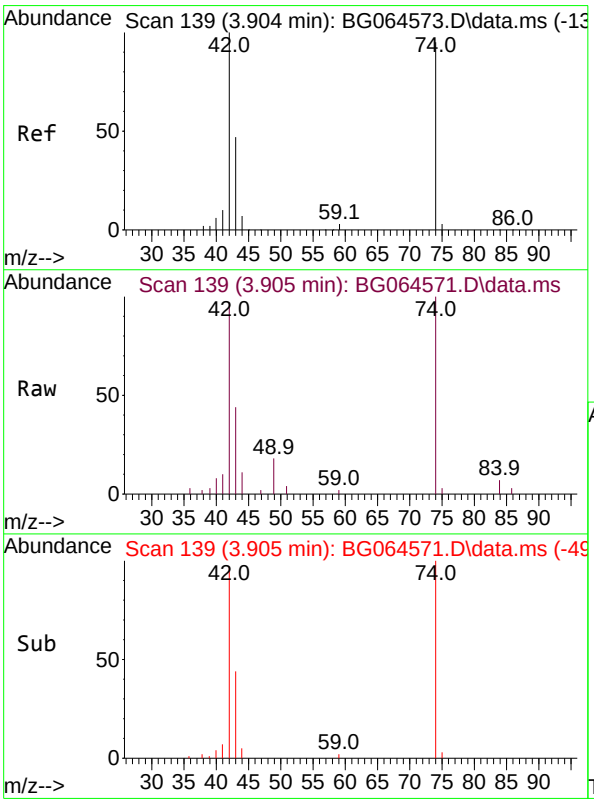
Ion	Ratio	Lower	Upper
79	100		
52	113.0	94.2	141.2
51	61.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

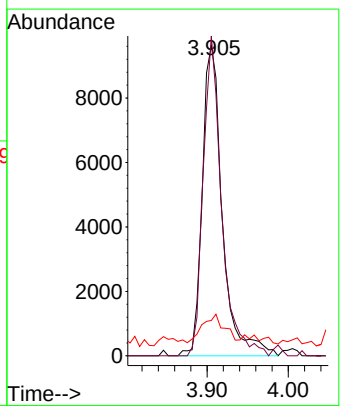
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

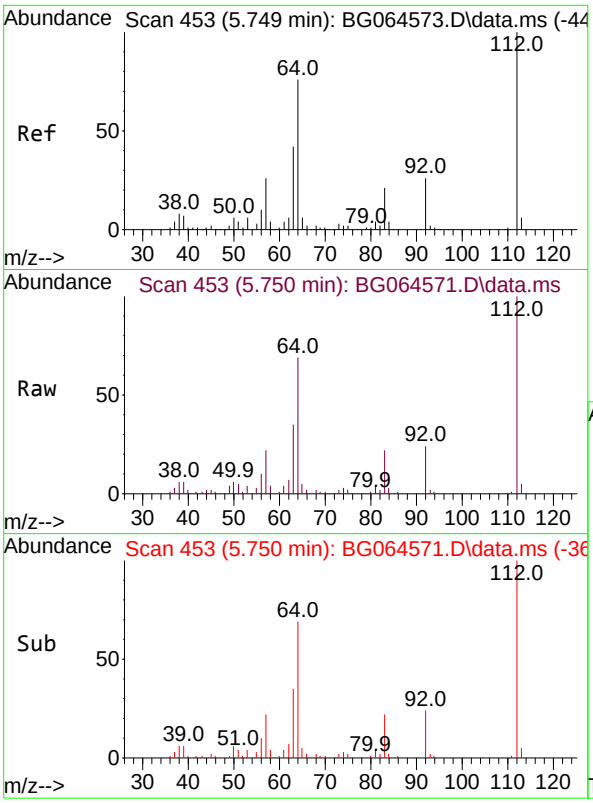


#4
n-Nitrosodimethylamine
Concen: 10.733 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 42 Resp: 16561

Ion	Ratio	Lower	Upper
42	100		
74	103.1	76.1	114.1
44	11.4	6.3	9.5#

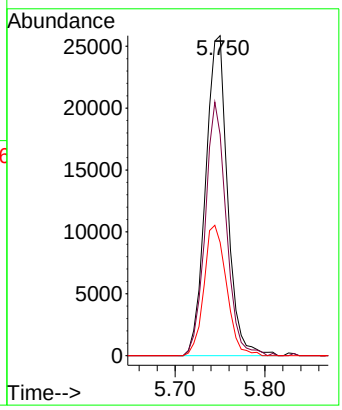




#5
2-Fluorophenol
Concen: 20.257 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:112 Resp: 4383

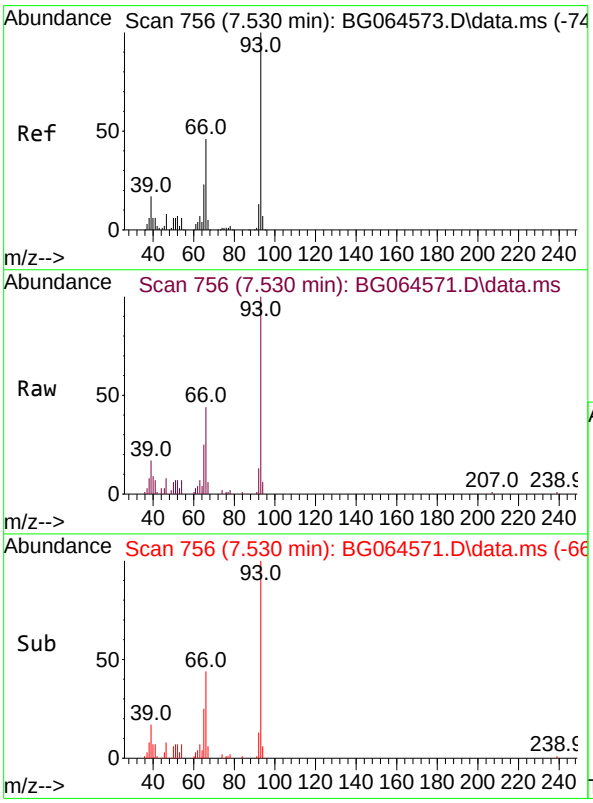
Ion	Ratio	Lower	Upper
112	100		
64	69.1	60.7	91.1
63	35.4	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

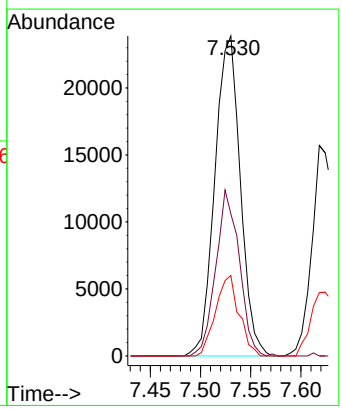
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

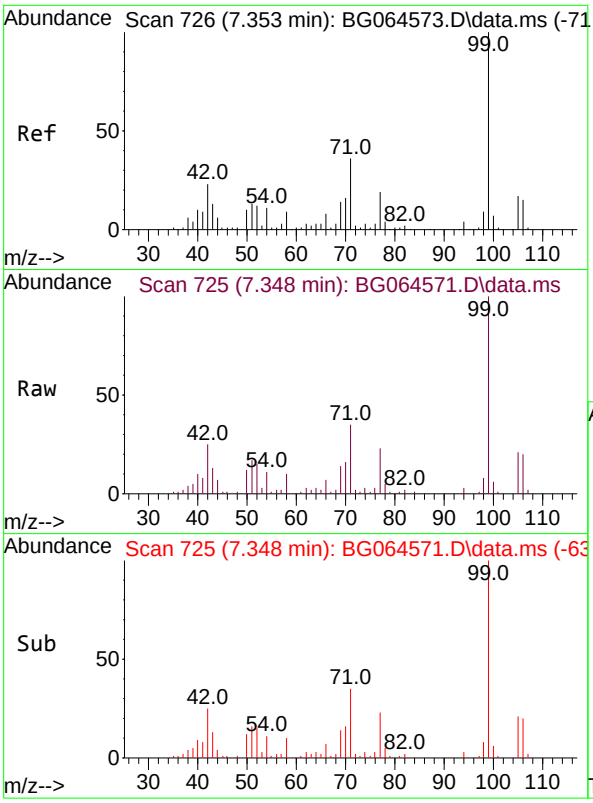


#6
Aniline
Concen: 10.427 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 42134

Ion	Ratio	Lower	Upper
93	100		
66	44.4	37.0	55.6
65	25.1	18.3	27.5

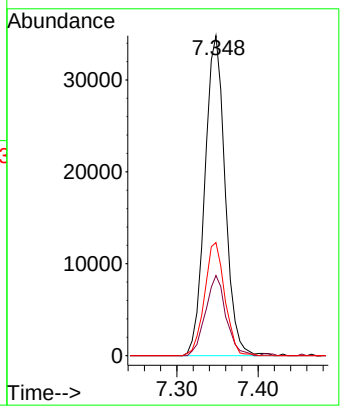




#7
Phenol-d6
Concen: 20.233 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 99 Resp: 6008

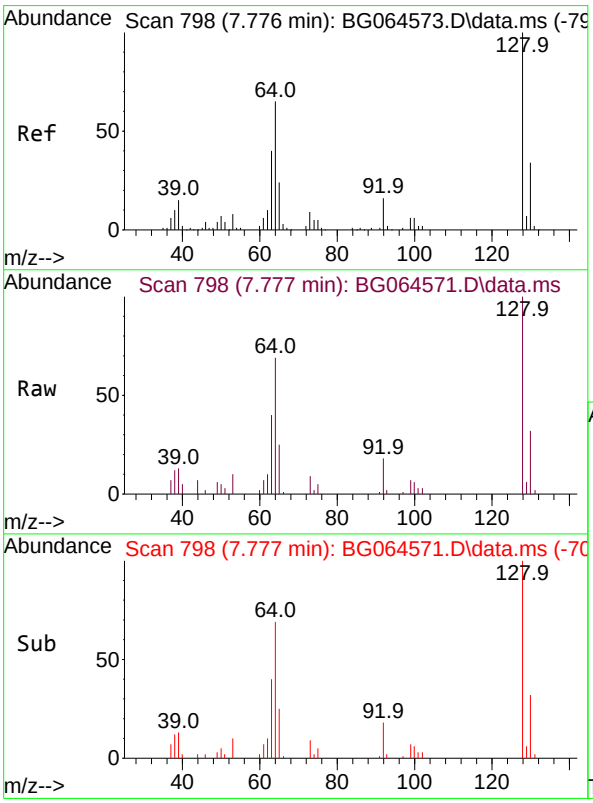
Ion	Ratio	Lower	Upper
99	100		
42	25.0	18.3	27.5
71	35.3	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

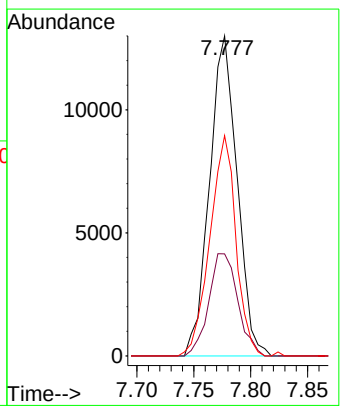
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

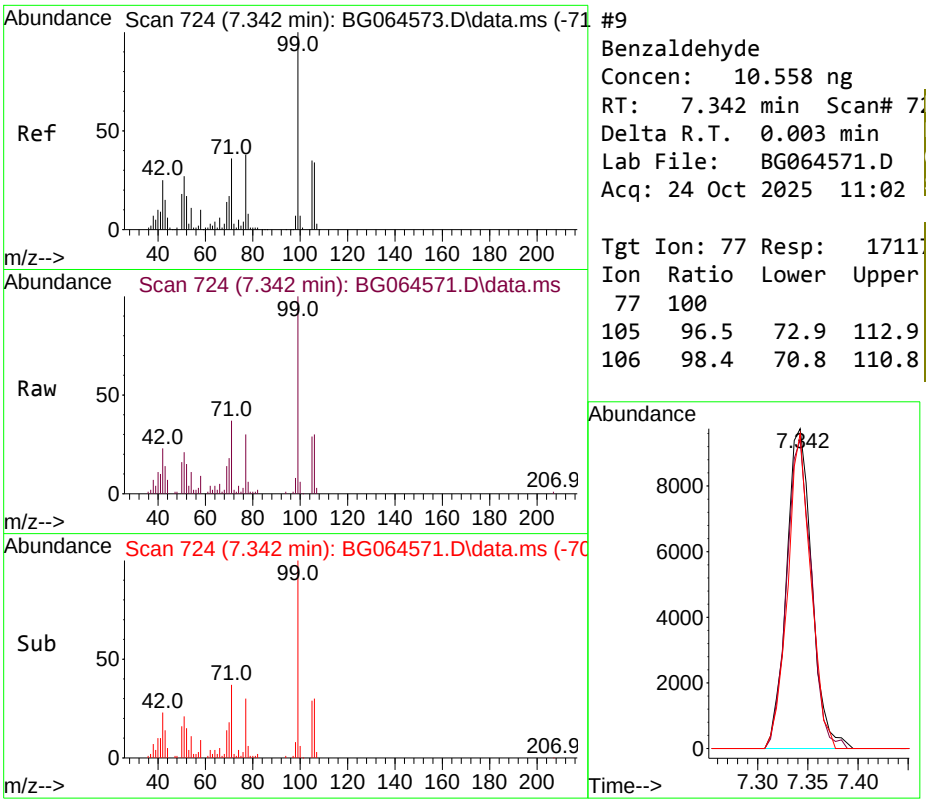


#8
2-Chlorophenol
Concen: 9.678 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 21922

Ion	Ratio	Lower	Upper
128	100		
130	31.9	13.5	53.5
64	68.8	45.2	85.2





#9
Benzaldehyde
Concen: 10.558 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

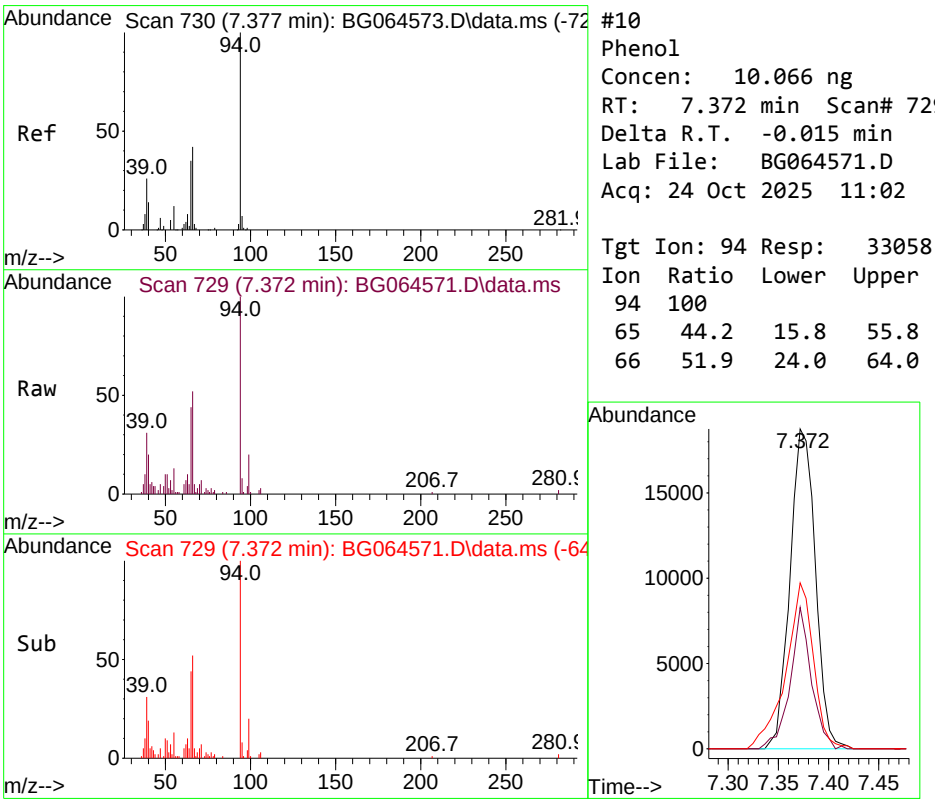
Tgt Ion: 77 Resp: 1711

Ion	Ratio	Lower	Upper
77	100		
105	96.5	72.9	112.9
106	98.4	70.8	110.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

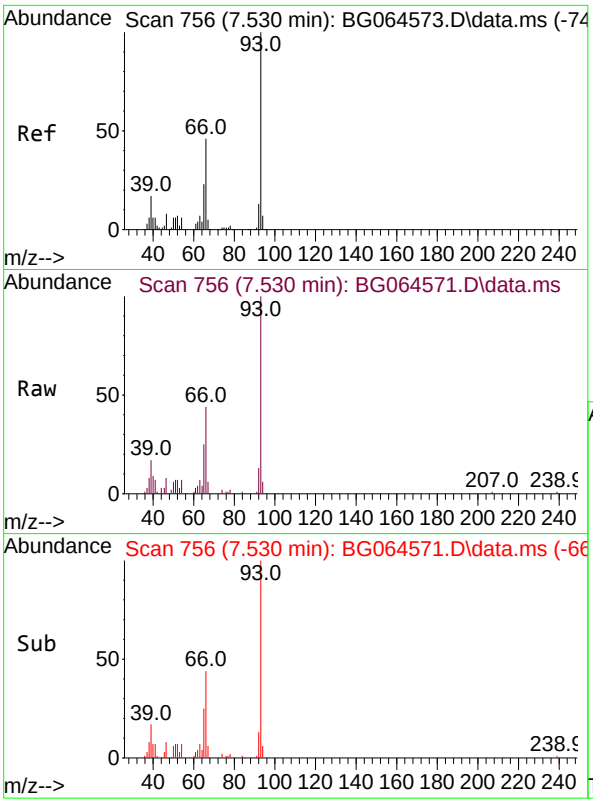
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#10
Phenol
Concen: 10.066 ng
RT: 7.372 min Scan# 729
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 94 Resp: 33058

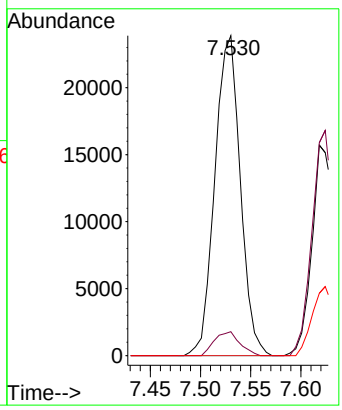
Ion	Ratio	Lower	Upper
94	100		
65	44.2	15.8	55.8
66	51.9	24.0	64.0



#11
bis(2-Chloroethyl)ether
Concen: 10.427 ng
RT: 7.530 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 4213

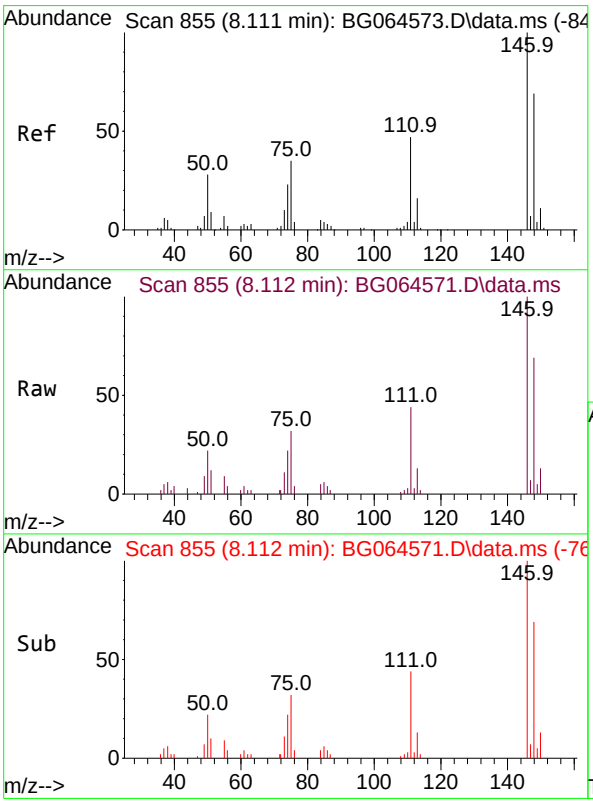
Ion	Ratio	Lower	Upper
93	100		
63	7.5	0.0	27.4
95	0.0	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

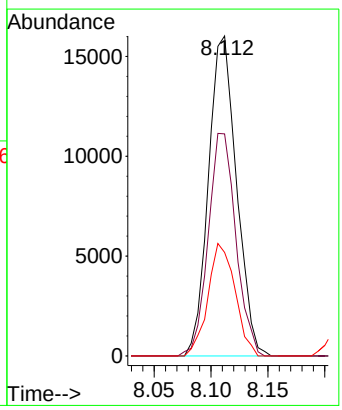
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

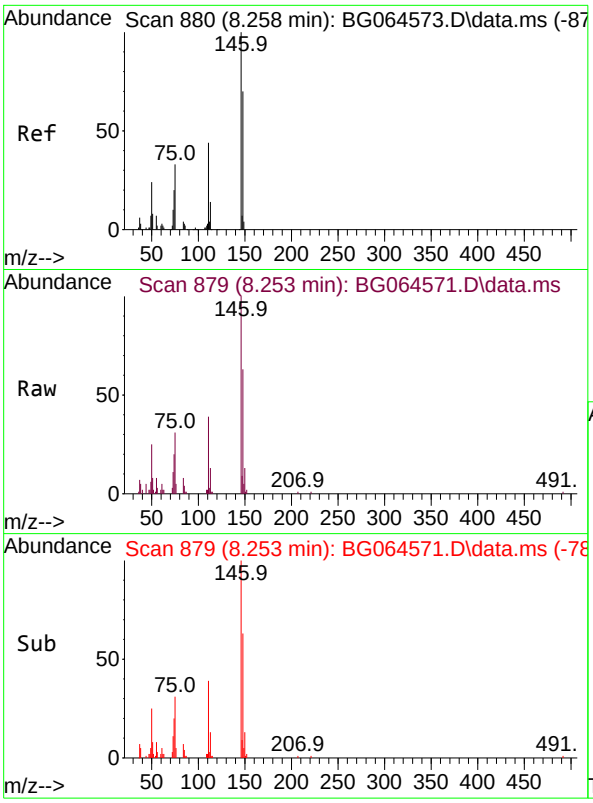


#12
1,3-Dichlorobenzene
Concen: 10.562 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27537

Ion	Ratio	Lower	Upper
146	100		
148	69.4	55.3	82.9
75	32.3	28.2	42.2

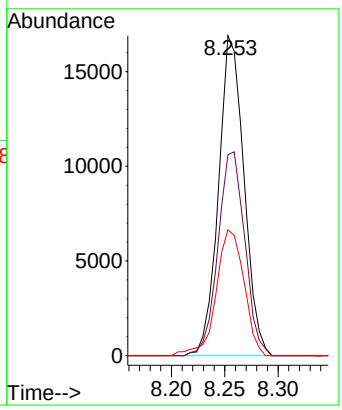




#13
1,4-Dichlorobenzene
Concen: 10.593 ng
RT: 8.253 min Scan# 8
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 2808

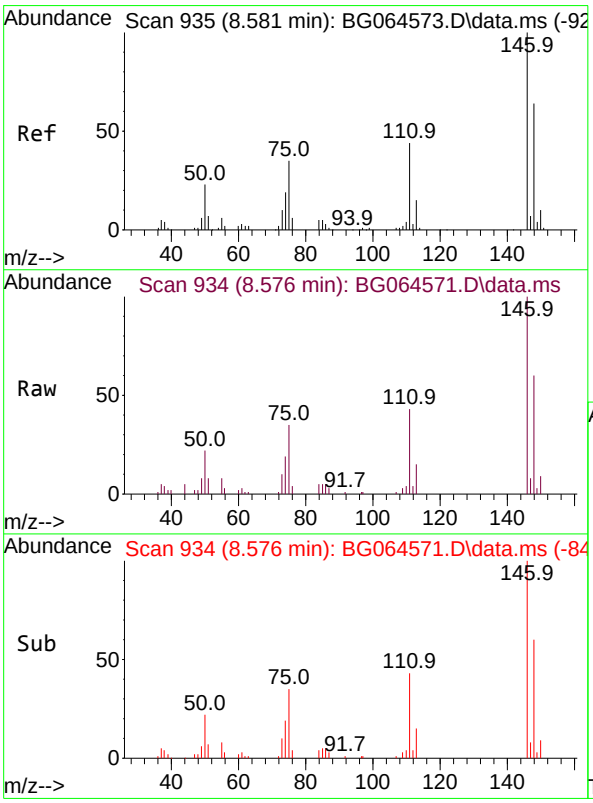
Ion	Ratio	Lower	Upper
146	100		
148	62.8	56.2	84.4
111	39.3	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

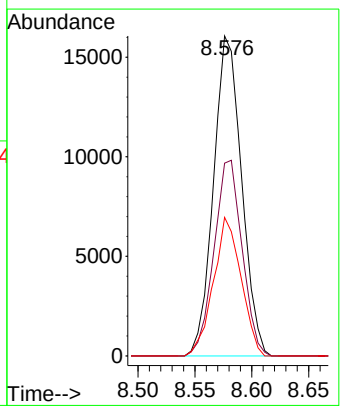
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

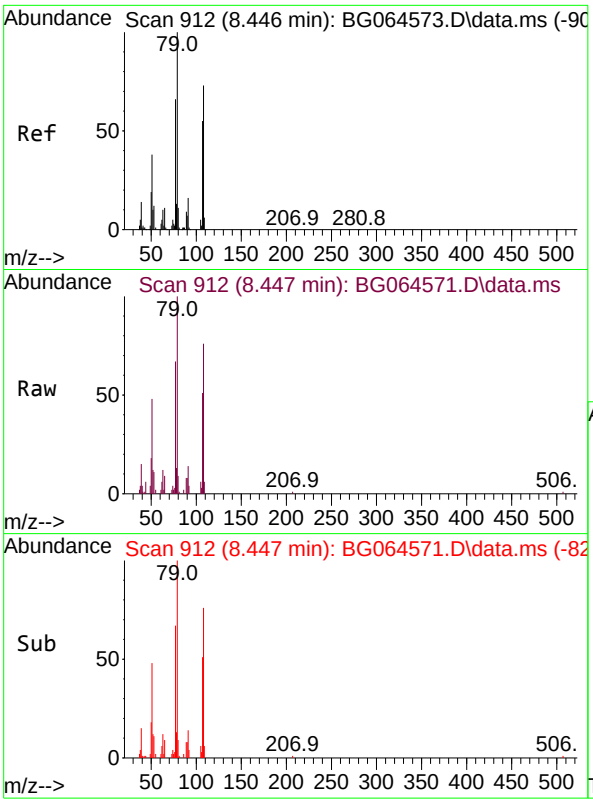


#14
1,2-Dichlorobenzene
Concen: 10.785 ng
RT: 8.576 min Scan# 934
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:146 Resp: 27577

Ion	Ratio	Lower	Upper
146	100		
148	60.2	51.5	77.3
111	43.3	35.0	52.6





#15
Benzyl Alcohol
Concen: 9.500 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

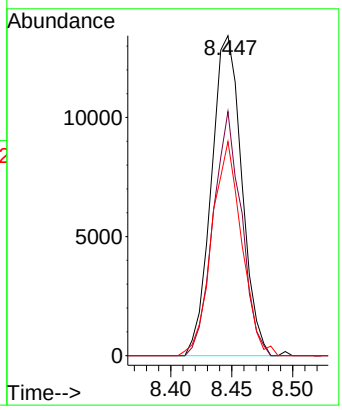
Tgt Ion: 79 Resp: 2326

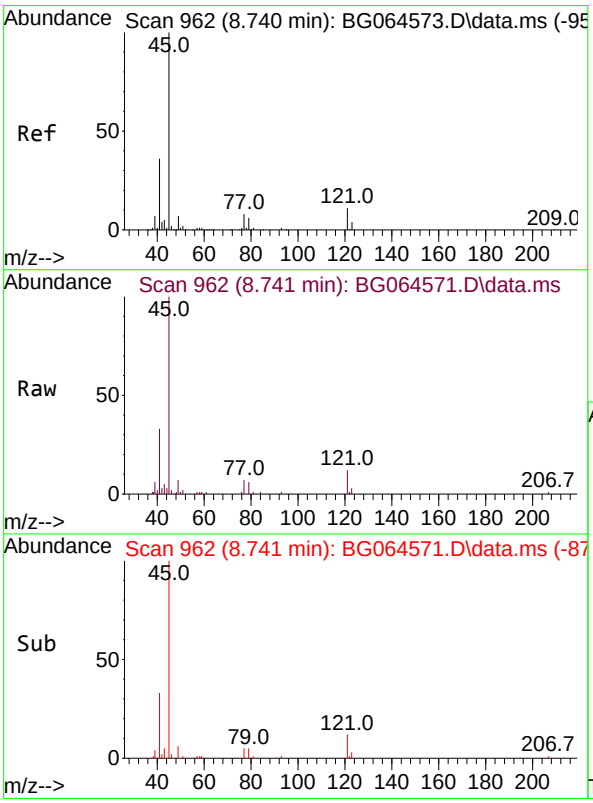
Ion	Ratio	Lower	Upper
79	100		
108	76.3	58.1	87.1
77	66.9	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

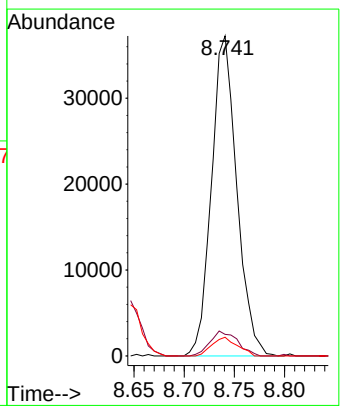


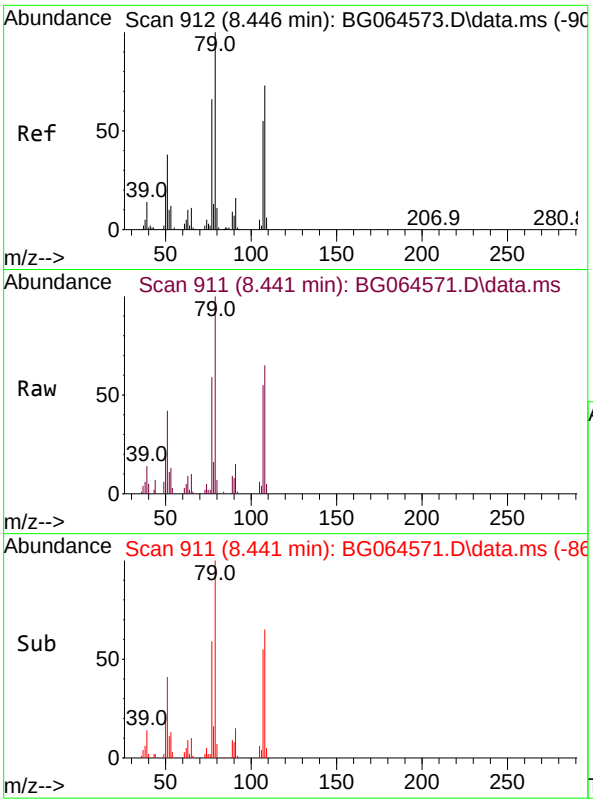


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.334 ng
RT: 8.741 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 45 Resp: 65452

Ion	Ratio	Lower	Upper
45	100		
77	6.7	0.0	28.5
79	5.8	0.0	25.6

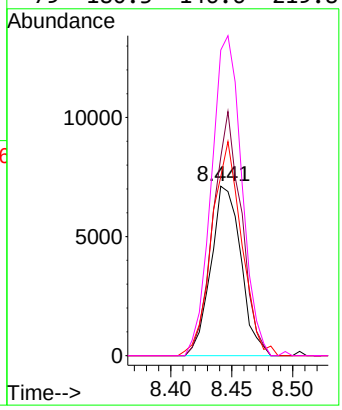




#17
2-Methylphenol
Concen: 9.947 ng
RT: 8.441 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 1217

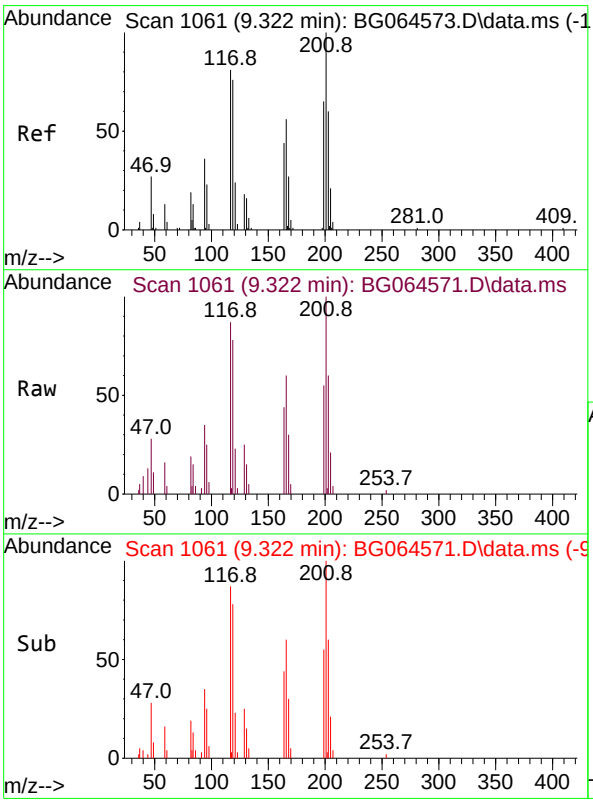
Ion	Ratio	Lower	Upper
107	100		
108	117.1	106.4	159.6
77	105.6	96.7	145.1
79	180.3	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

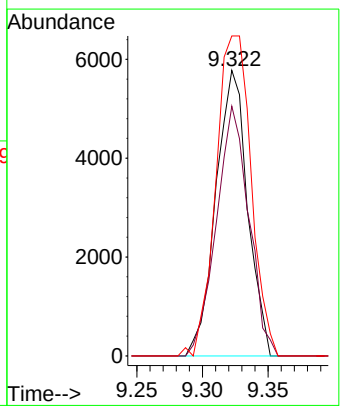
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

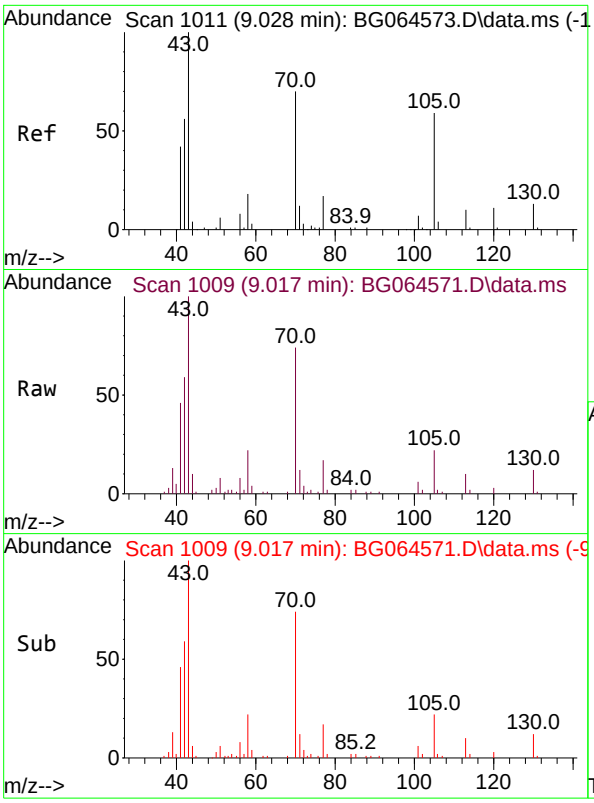


#18
Hexachloroethane
Concen: 10.452 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:117 Resp: 9723

Ion	Ratio	Lower	Upper
117	100		
119	87.5	75.4	113.2
201	115.2	99.2	148.8

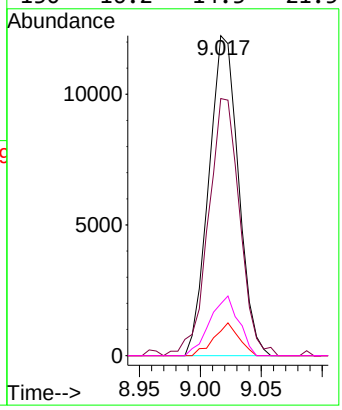




#19
n-Nitroso-di-n-propylamine
Concen: 10.098 ng
RT: 9.017 min Scan# 10
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 70 Resp: 2072

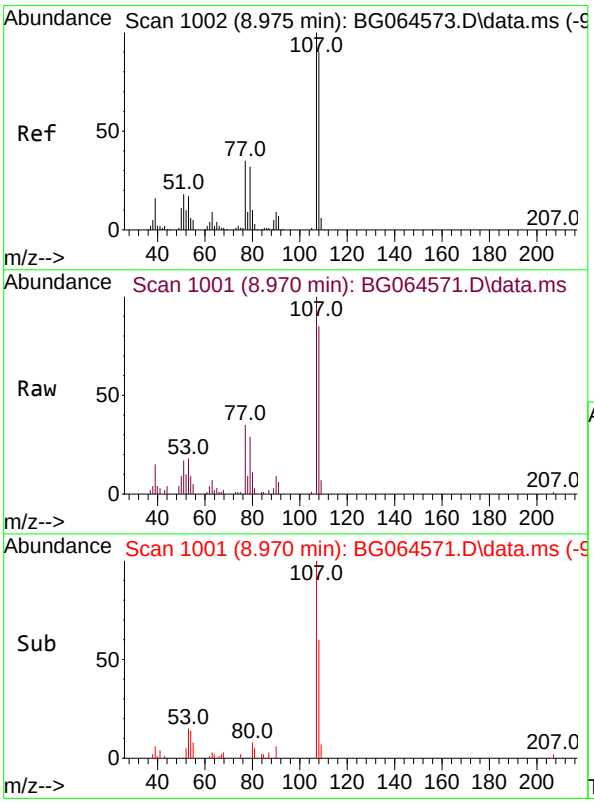
Ion	Ratio	Lower	Upper
70	100		
42	80.3	65.2	97.8
101	7.6	7.9	11.9#
130	16.2	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

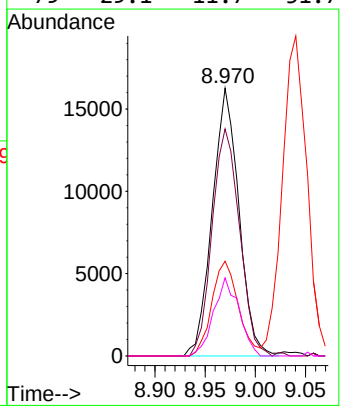
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

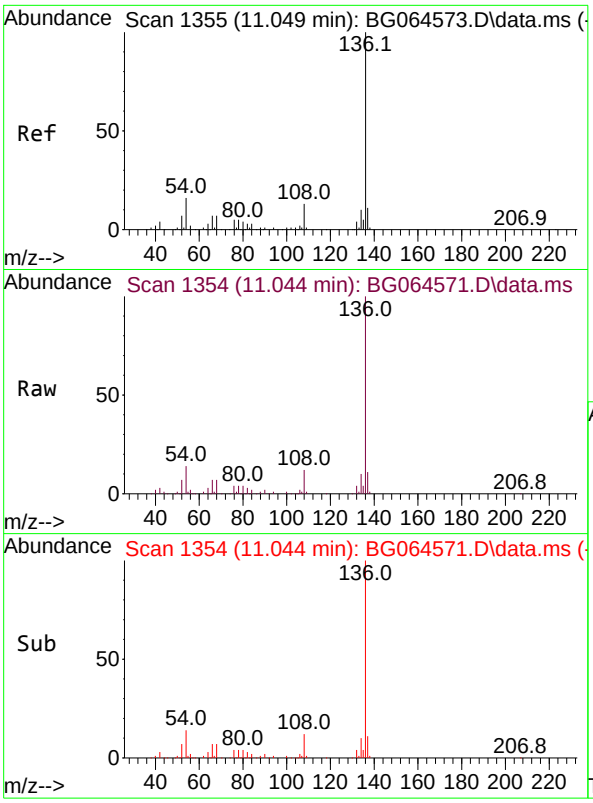


#20
3+4-Methylphenols
Concen: 9.786 ng
RT: 8.970 min Scan# 1001
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 30009

Ion	Ratio	Lower	Upper
107	100		
108	84.8	70.3	110.3
77	35.4	14.6	54.6
79	29.1	11.7	51.7

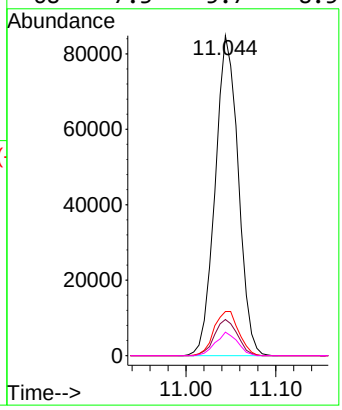




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.044 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:136 Resp: 15162

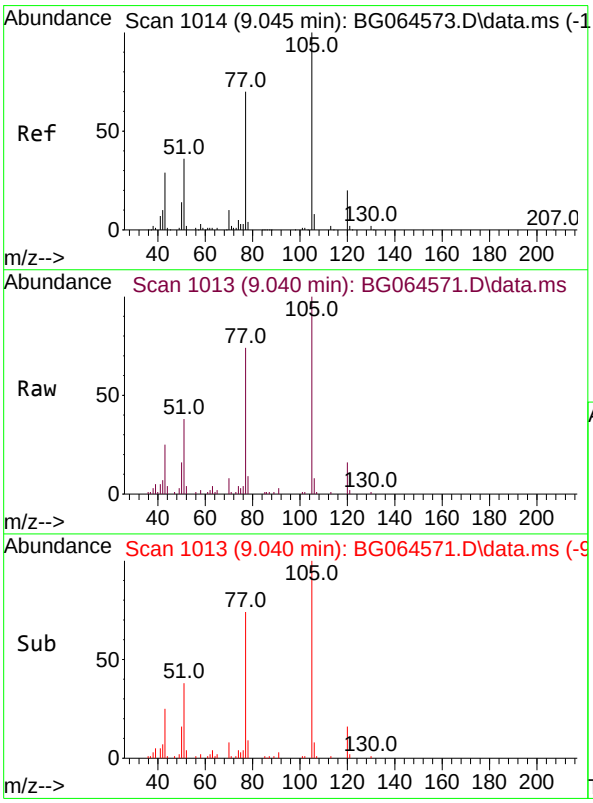
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	13.8	12.6	19.0
68	7.3	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

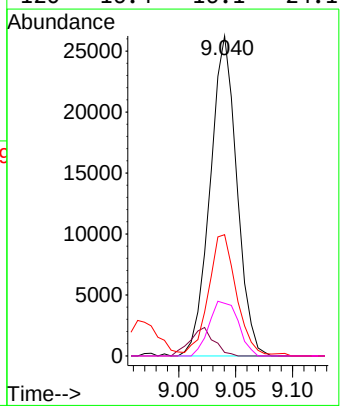
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

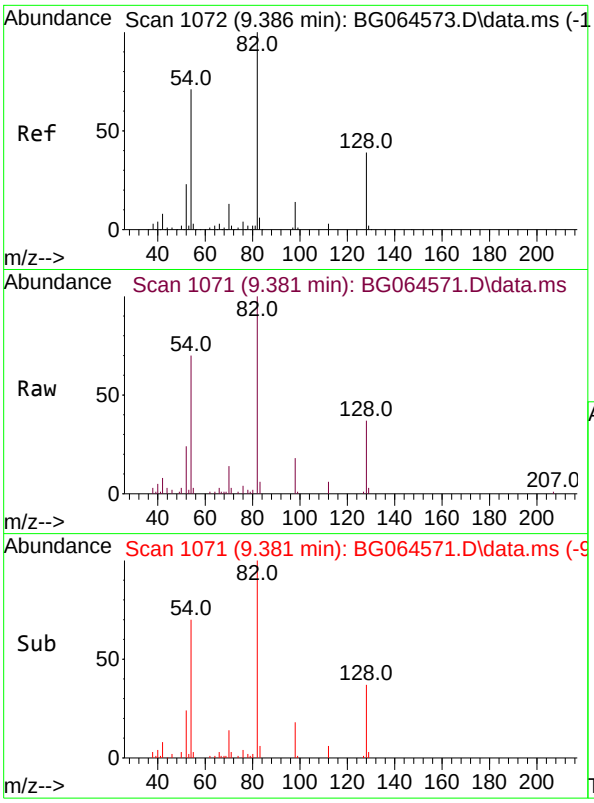


#22
Acetophenone
Concen: 10.338 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:105 Resp: 42851

Ion	Ratio	Lower	Upper
105	100		
71	1.1	1.5	2.3#
51	37.9	33.7	50.5
120	16.4	16.1	24.1

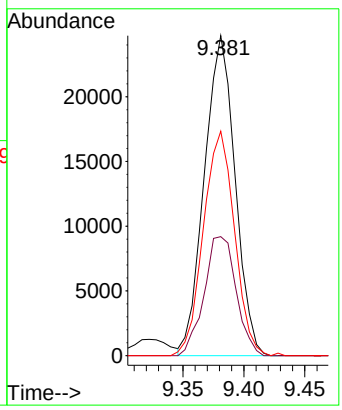




#23
Nitrobenzene-d5
Concen: 17.182 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 4337

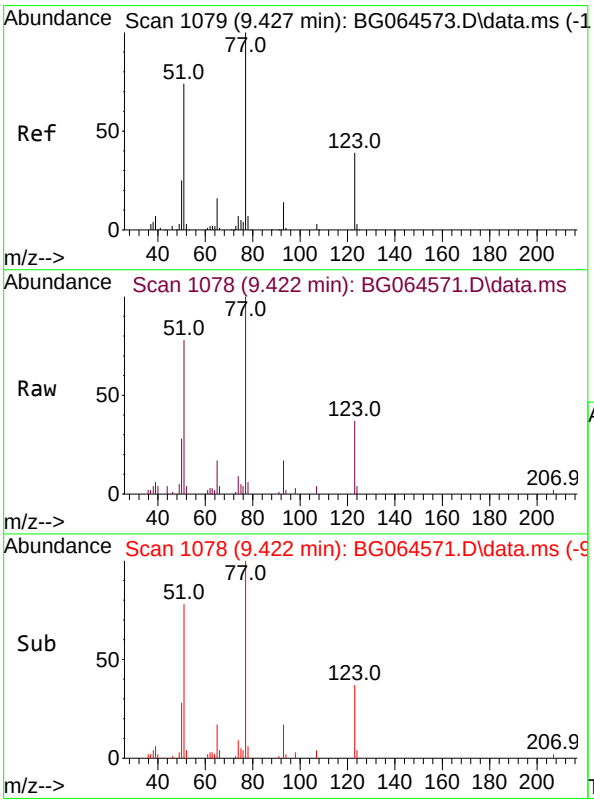
Ion	Ratio	Lower	Upper
82	100		
128	37.2	31.3	46.9
54	70.1	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

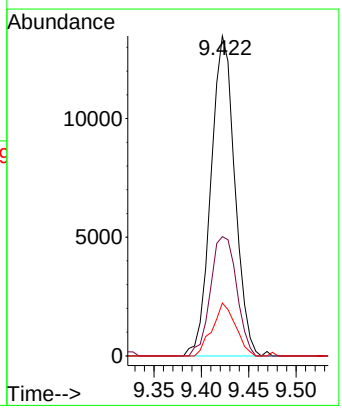
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

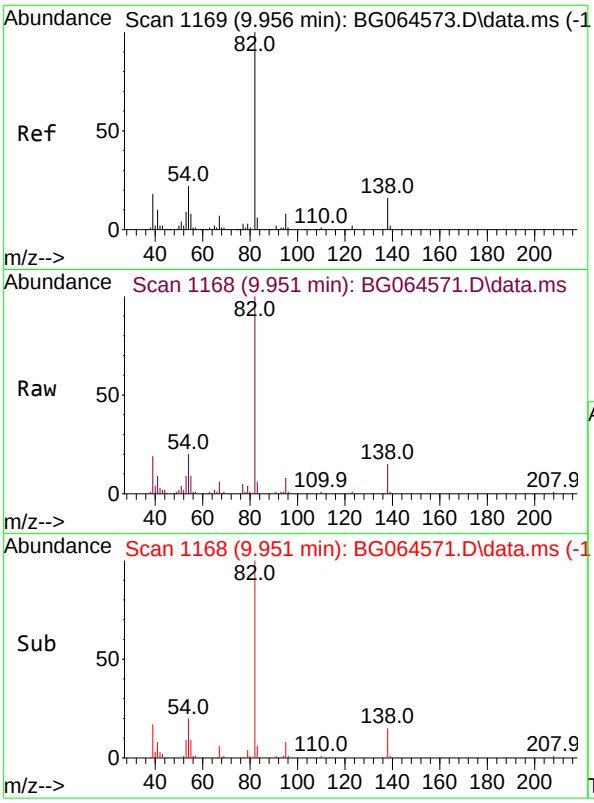


#24
Nitrobenzene
Concen: 8.602 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 23618

Ion	Ratio	Lower	Upper
77	100		
123	37.3	31.0	46.6
65	16.5	12.7	19.1

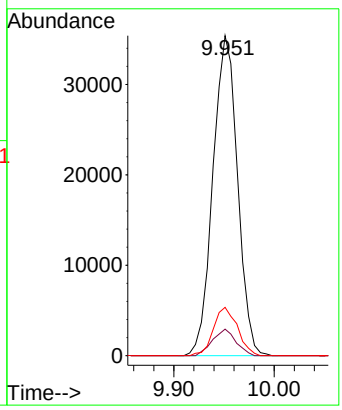




#25
Isophorone
Concen: 9.962 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 82 Resp: 6034

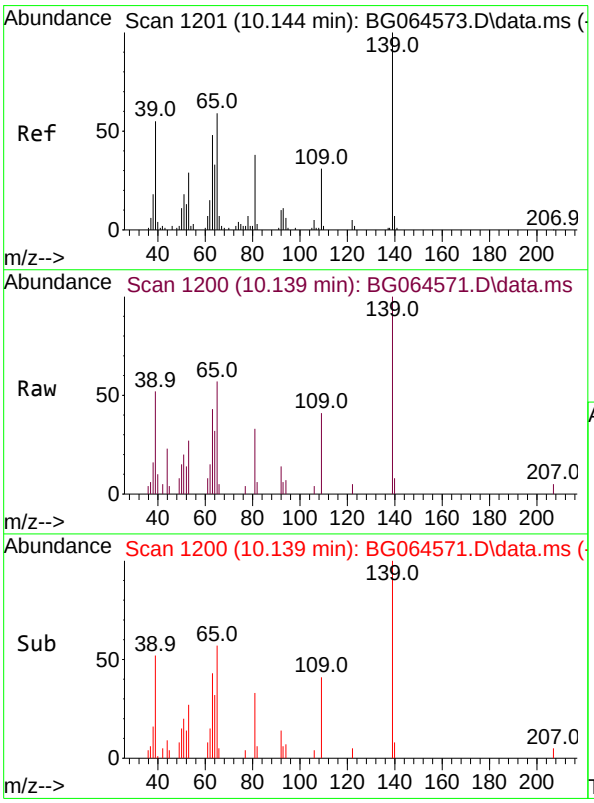
Ion	Ratio	Lower	Upper
82	100		
95	8.3	6.1	9.1
138	15.1	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

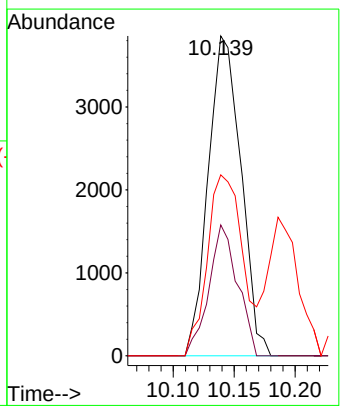
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

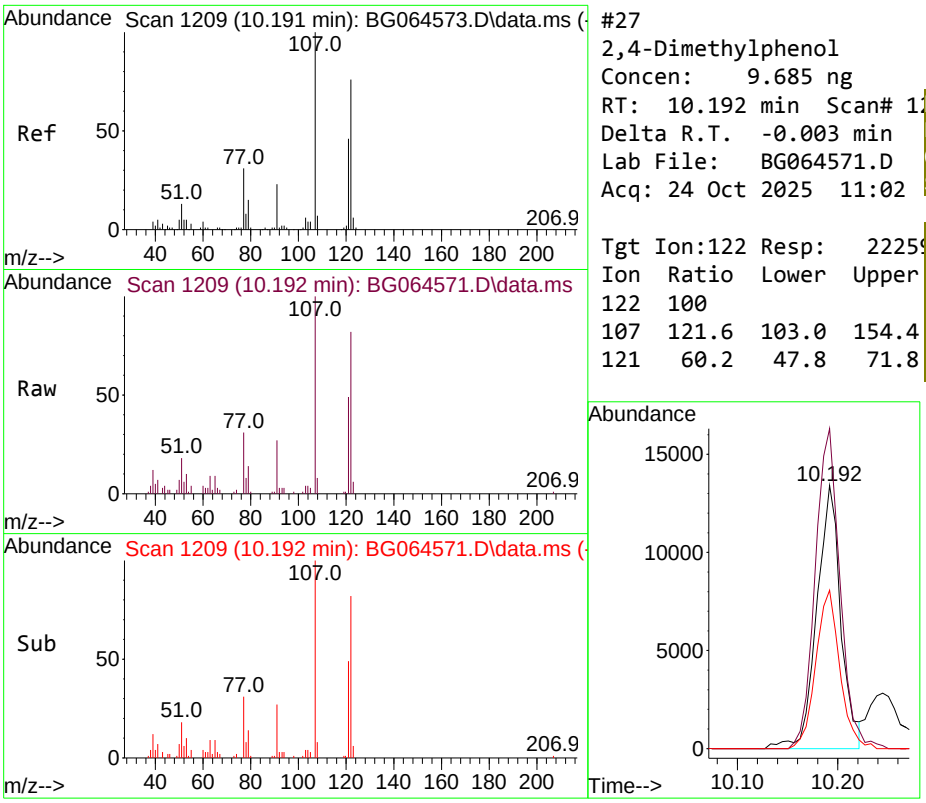


#26
2-Nitrophenol
Concen: 9.491 ng
RT: 10.139 min Scan# 1200
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 7208

Ion	Ratio	Lower	Upper
139	100		
109	40.9	24.6	37.0#
65	56.6	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 9.685 ng
RT: 10.192 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

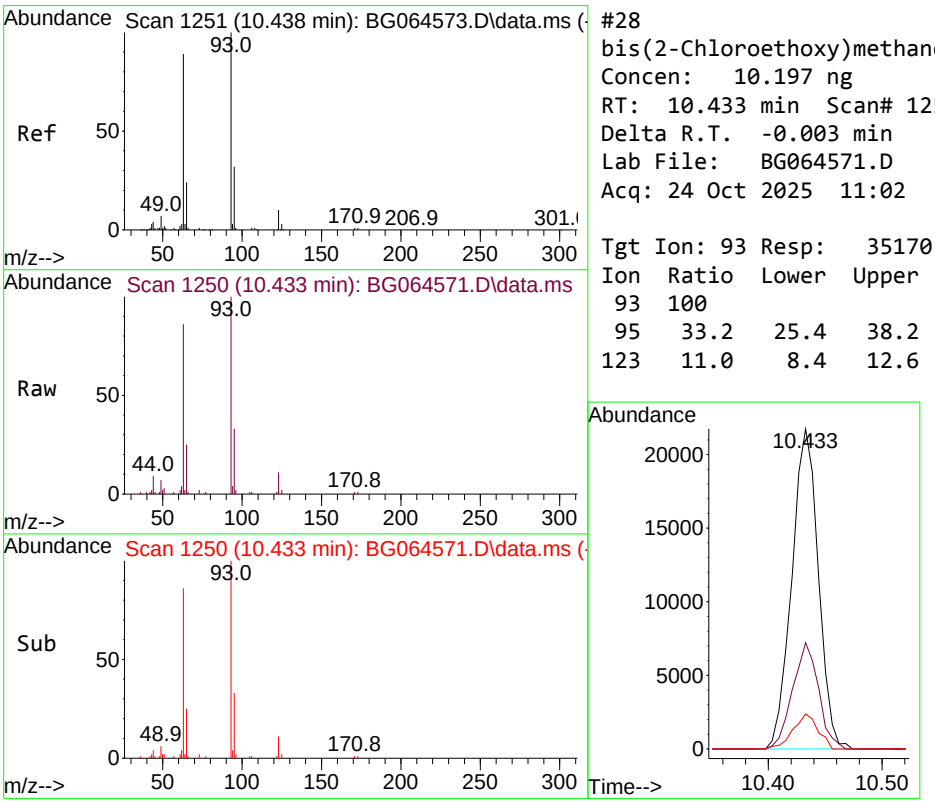
Tgt Ion:122 Resp: 2225

Ion	Ratio	Lower	Upper
122	100		
107	121.6	103.0	154.4
121	60.2	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

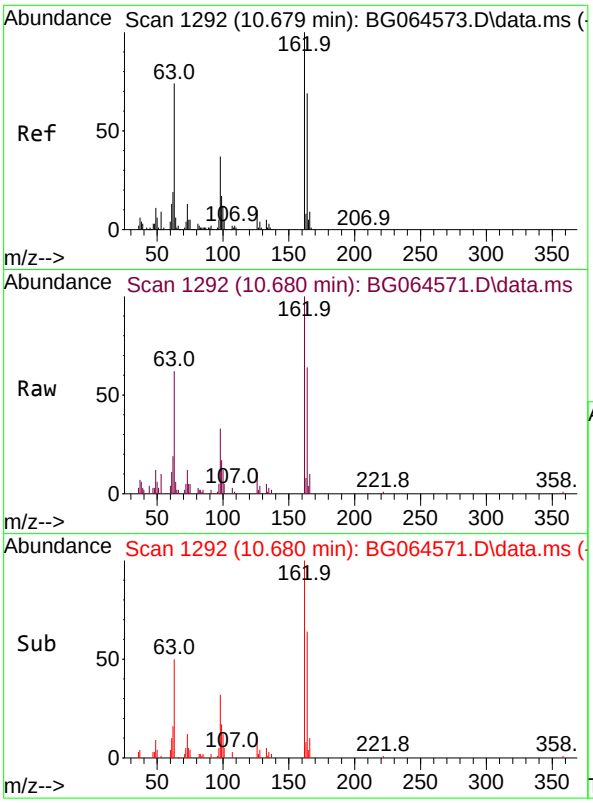
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#28
bis(2-Chloroethoxy)methane
Concen: 10.197 ng
RT: 10.433 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 93 Resp: 35170

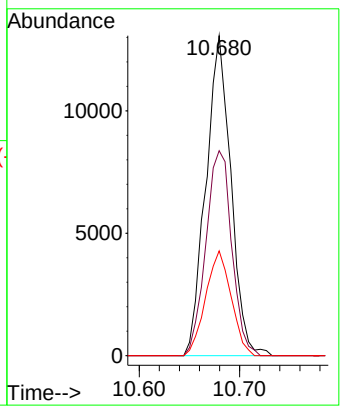
Ion	Ratio	Lower	Upper
93	100		
95	33.2	25.4	38.2
123	11.0	8.4	12.6



#29
2,4-Dichlorophenol
Concen: 9.338 ng
RT: 10.680 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 2264

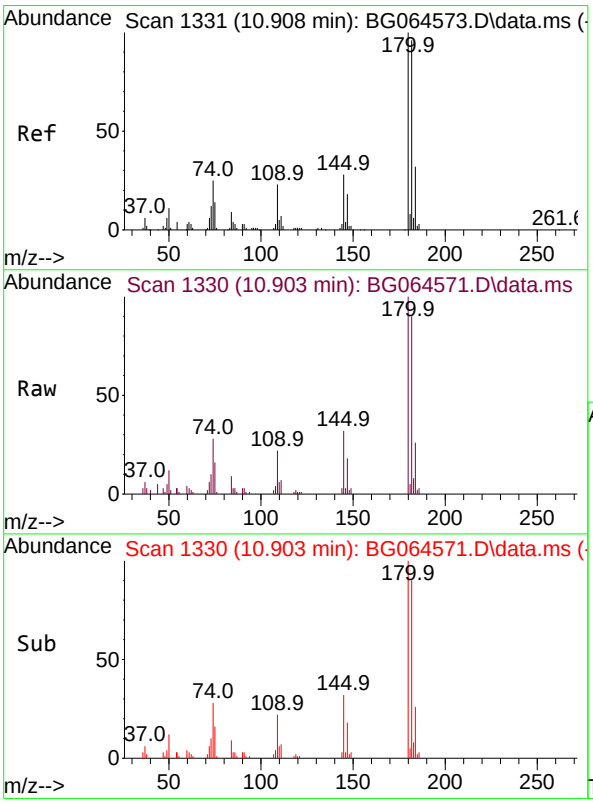
Ion	Ratio	Lower	Upper
162	100		
164	64.0	48.7	88.7
98	32.7	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

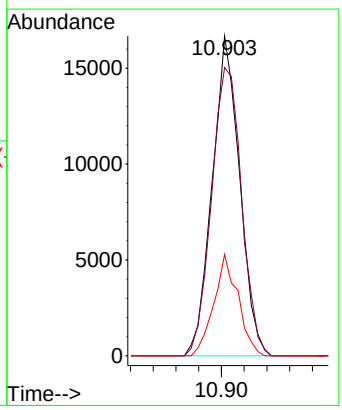
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

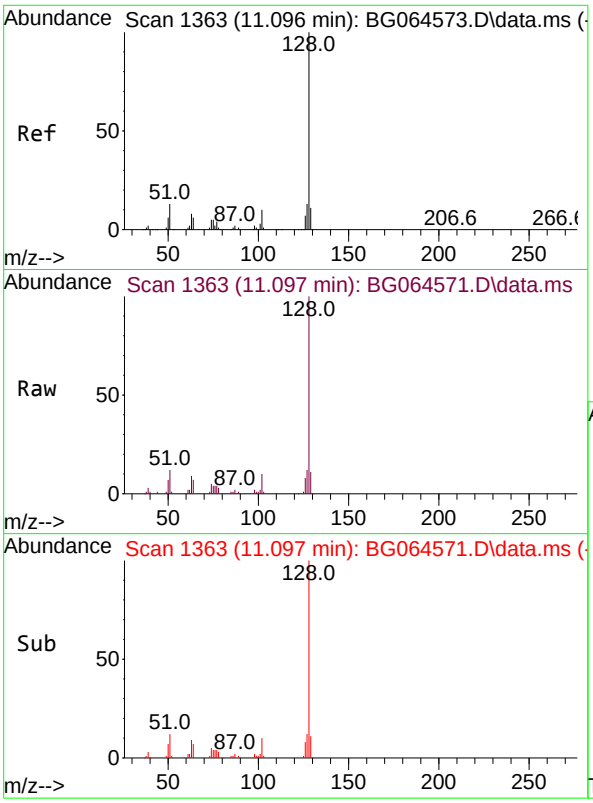


#30
1,2,4-Trichlorobenzene
Concen: 10.143 ng
RT: 10.903 min Scan# 1330
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:180 Resp: 27947

Ion	Ratio	Lower	Upper
180	100		
182	90.1	76.9	115.3
145	31.7	22.1	33.1

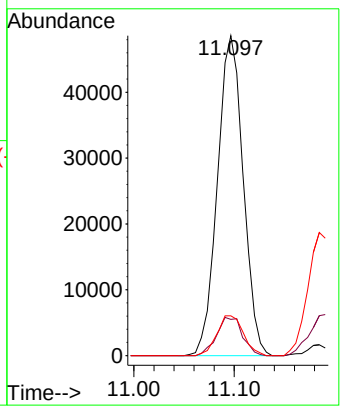




#31
Naphthalene
Concen: 10.319 ng
RT: 11.097 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:128 Resp: 8675

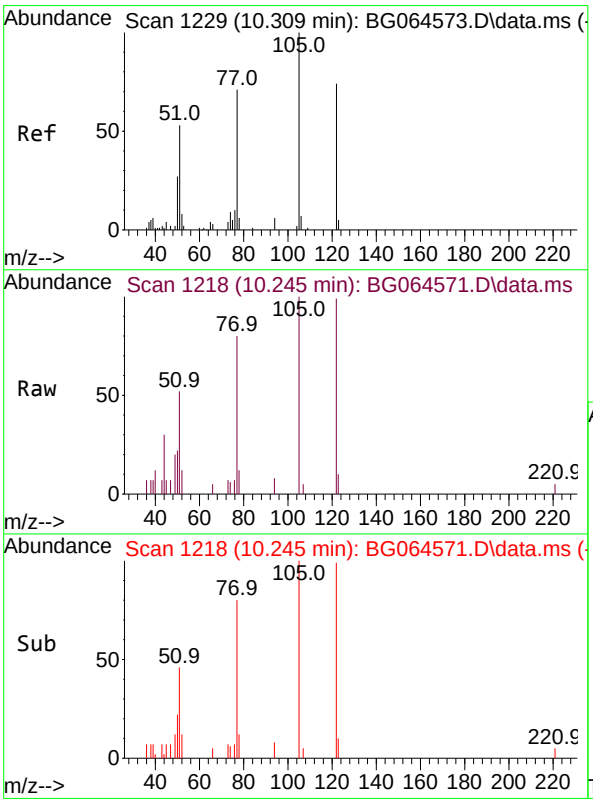
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.4	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

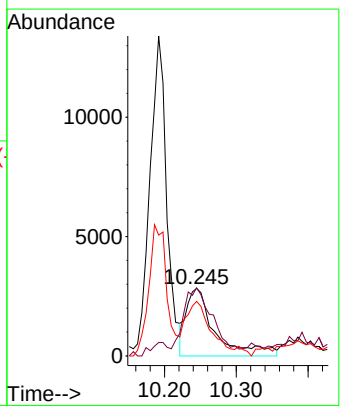
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

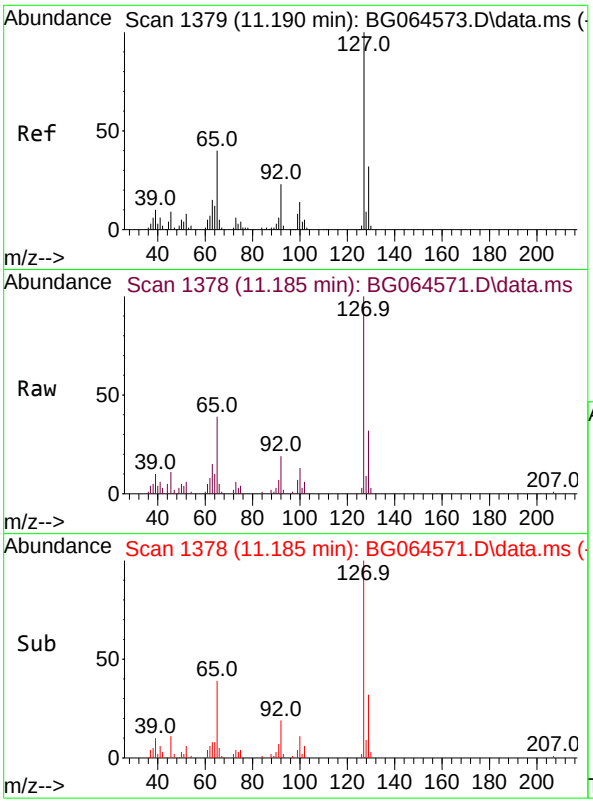


#32
Benzoic acid
Concen: 11.001 ng m
RT: 10.245 min Scan# 1218
Delta R.T. -0.097 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:122 Resp: 7890

Ion	Ratio	Lower	Upper
122	100		
105	100.8	104.2	144.2#
77	80.6	70.2	110.2

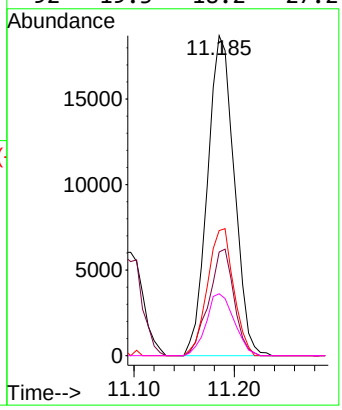




#33
4-Chloroaniline
Concen: 10.583 ng
RT: 11.185 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:127 Resp: 3458

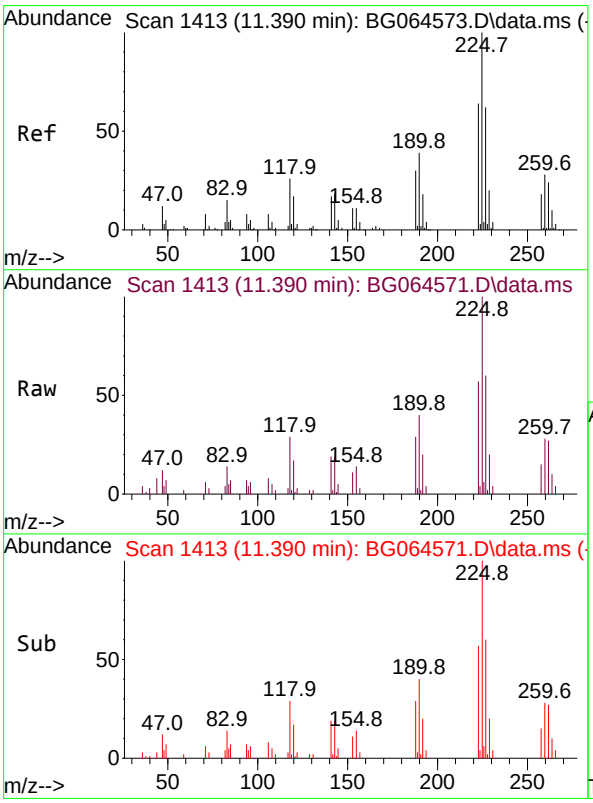
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.5	38.3
65	39.1	32.2	48.4
92	19.3	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

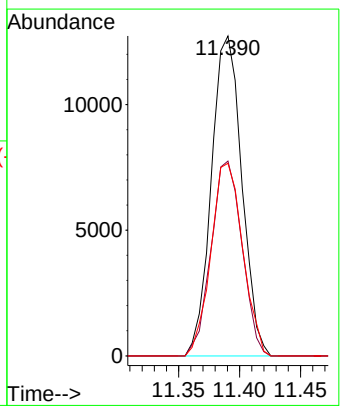
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

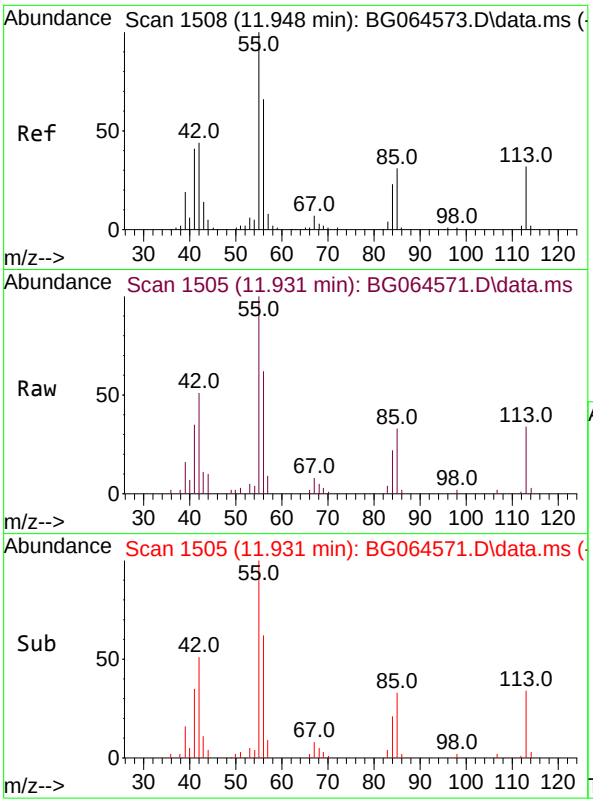


#34
Hexachlorobutadiene
Concen: 10.256 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:225 Resp: 22099

Ion	Ratio	Lower	Upper
225	100		
223	57.6	48.8	73.2
227	57.0	49.5	74.3

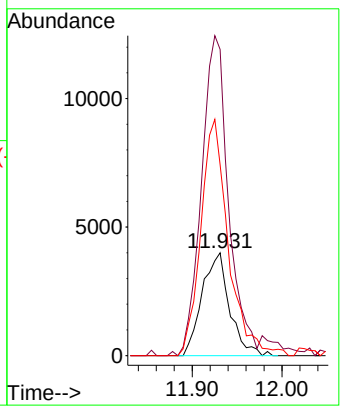




#35
Caprolactam
Concen: 9.162 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.044 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:113 Resp: 852

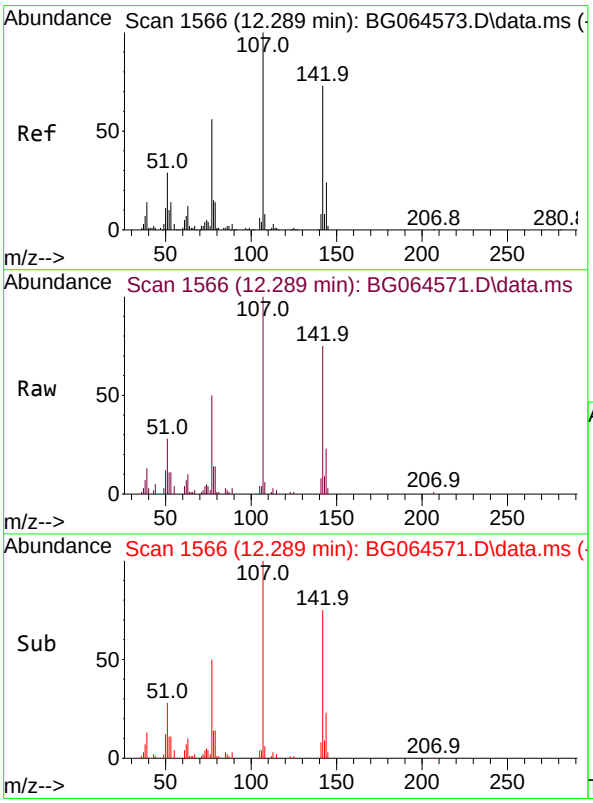
Ion	Ratio	Lower	Upper
113	100		
55	297.7	290.1	330.1
56	185.5	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

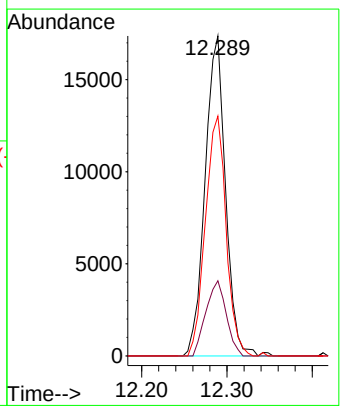
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

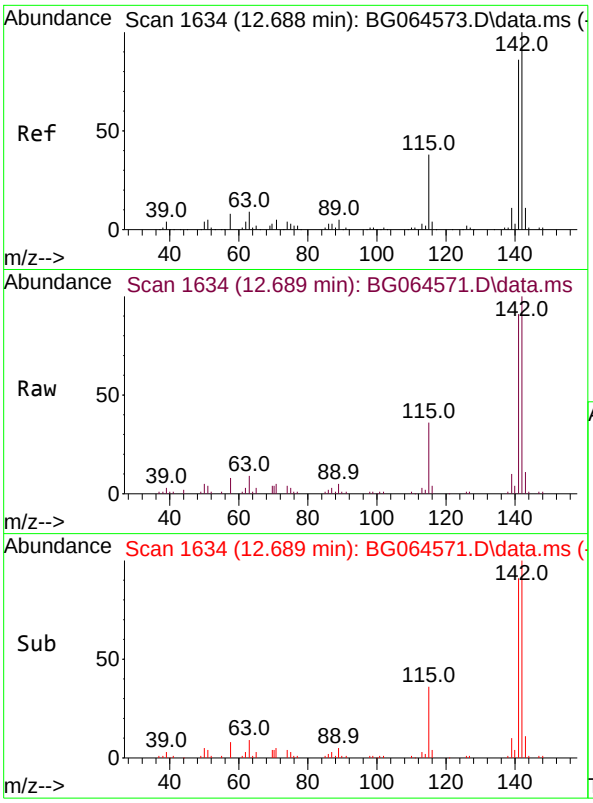


#36
4-Chloro-3-methylphenol
Concen: 9.916 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:107 Resp: 28904

Ion	Ratio	Lower	Upper
107	100		
144	23.5	19.1	28.7
142	74.9	58.6	87.8

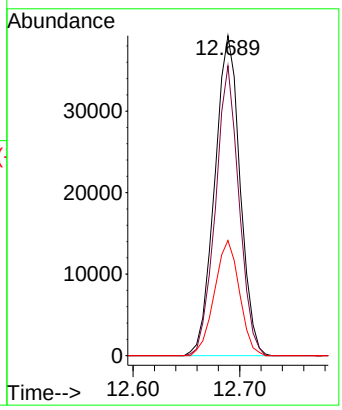




#37
2-Methylnaphthalene
Concen: 10.543 ng
RT: 12.689 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 6507

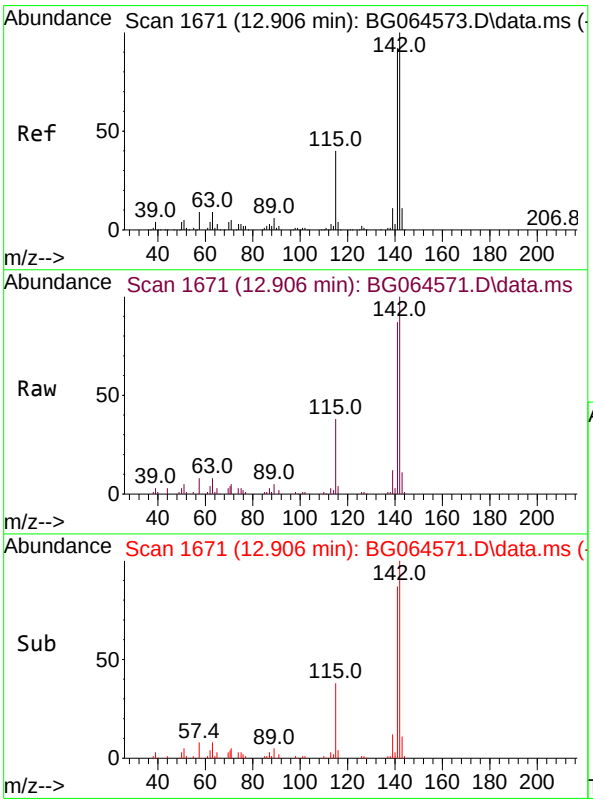
Ion	Ratio	Lower	Upper
142	100		
141	90.6	68.9	103.3
115	36.0	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

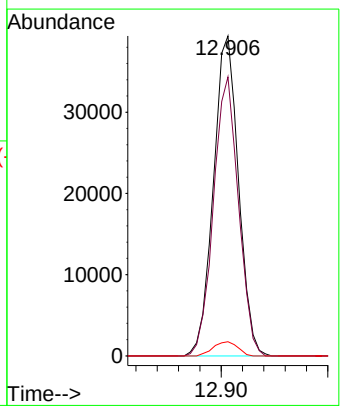
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

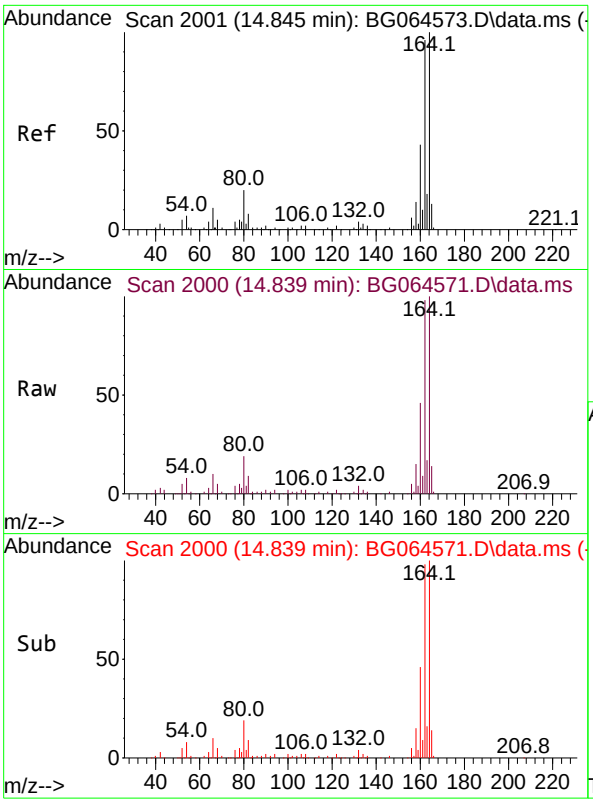


#38
1-Methylnaphthalene
Concen: 10.601 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:142 Resp: 64384

Ion	Ratio	Lower	Upper
142	100		
141	87.2	73.3	109.9
116	4.4	3.1	4.7

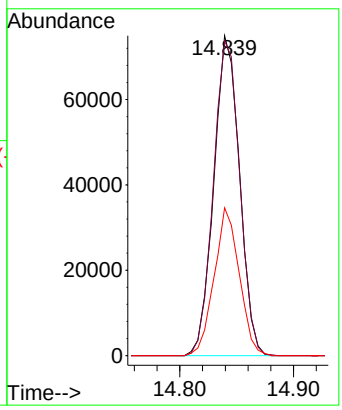




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.839 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:164 Resp: 11761

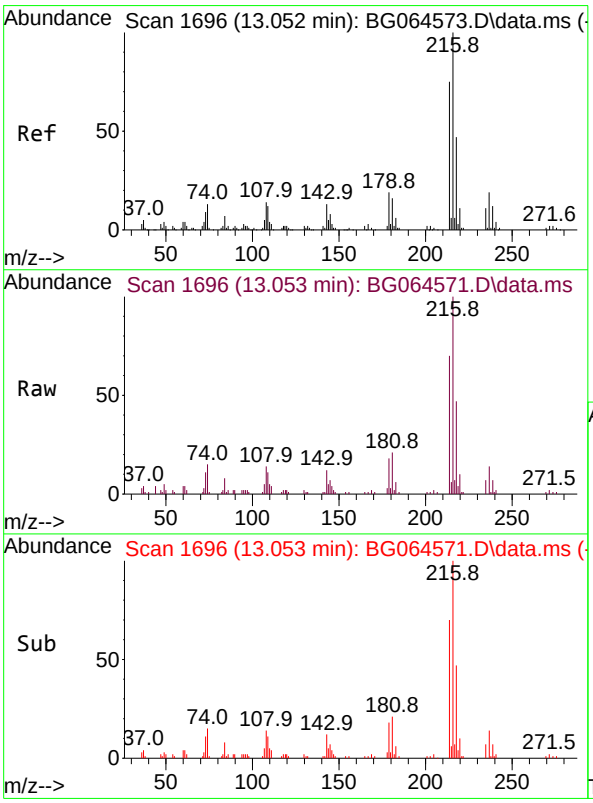
Ion	Ratio	Lower	Upper
164	100		
162	98.4	77.0	115.6
160	46.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

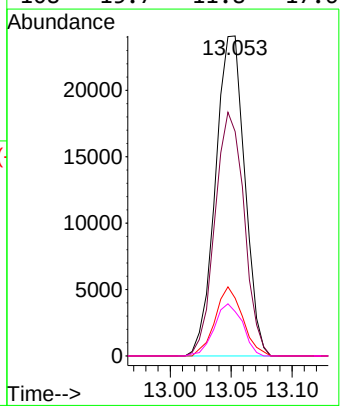
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

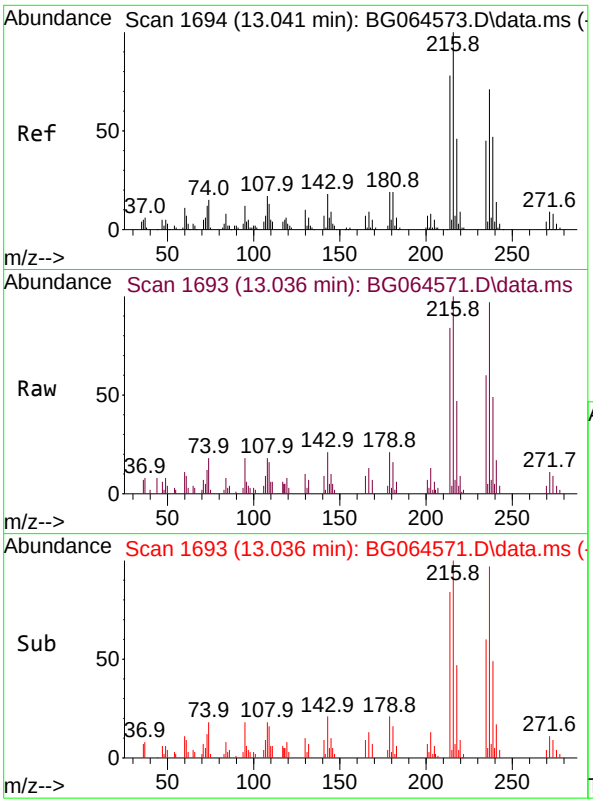


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.197 ng
RT: 13.053 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:216 Resp: 40253

Ion	Ratio	Lower	Upper
216	100		
214	75.7	61.4	92.2
179	20.2	15.4	23.0
108	15.7	11.8	17.6

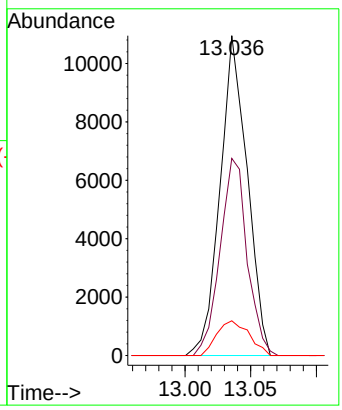




#41
Hexachlorocyclopentadiene
Concen: 8.855 ng
RT: 13.036 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:237 Resp: 1573

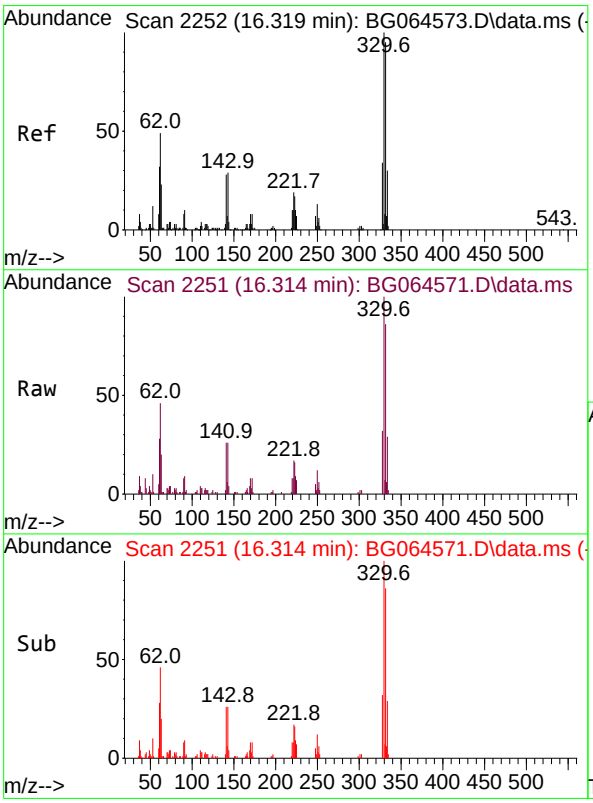
Ion	Ratio	Lower	Upper
237	100		
235	61.6	44.1	84.1
272	10.9	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

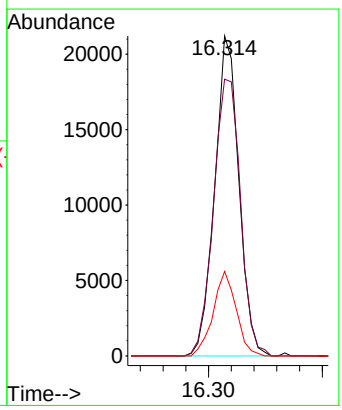
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

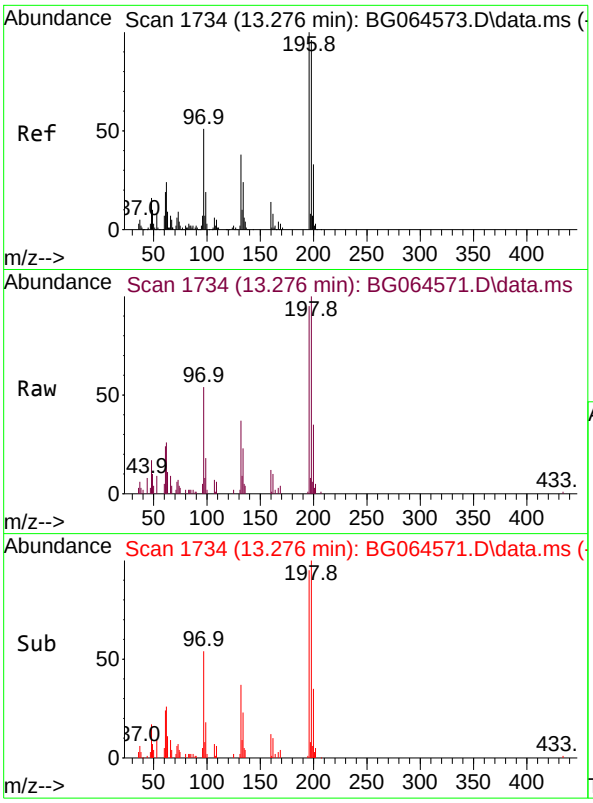


#42
2,4,6-Tribromophenol
Concen: 18.400 ng
RT: 16.314 min Scan# 2251
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:330 Resp: 31236

Ion	Ratio	Lower	Upper
330	100		
332	96.5	78.0	117.0
141	25.2	21.8	32.6

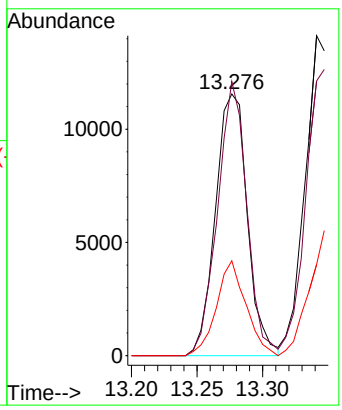




#43
2,4,6-Trichlorophenol
Concen: 8.673 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 1958

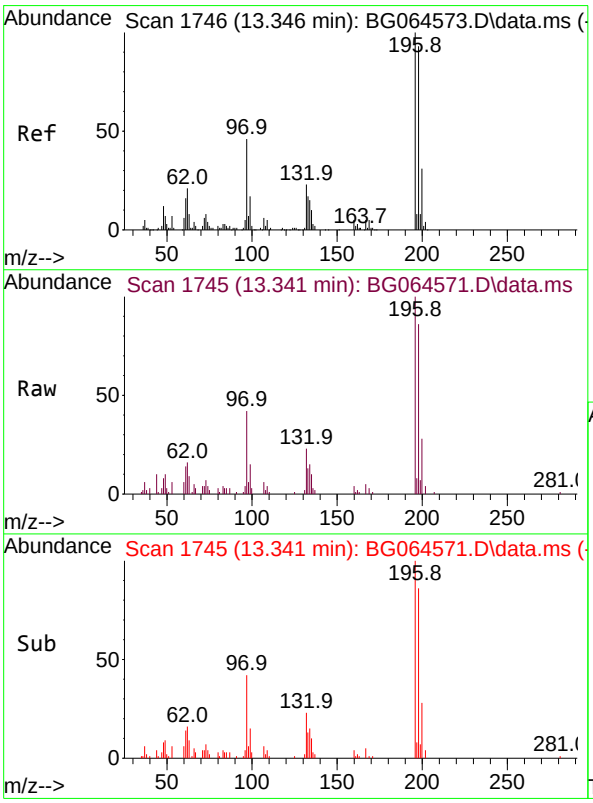
Ion	Ratio	Lower	Upper
196	100		
198	104.8	76.6	115.0
200	36.2	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

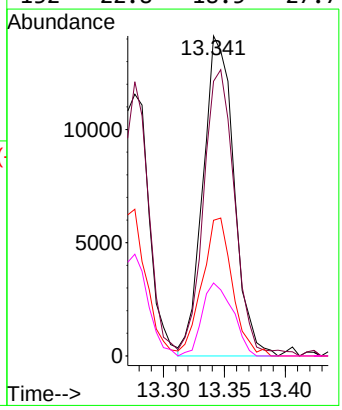
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

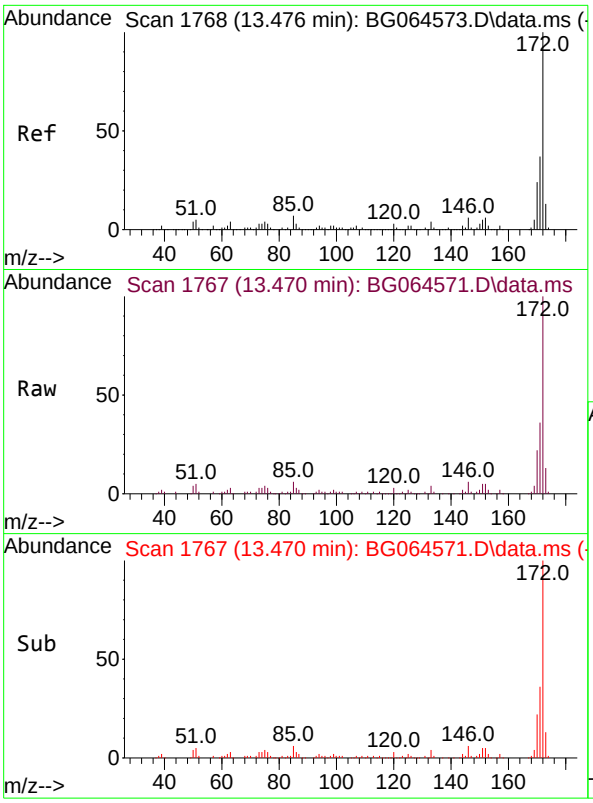


#44
2,4,5-Trichlorophenol
Concen: 9.584 ng
RT: 13.341 min Scan# 1745
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:196 Resp: 24973

Ion	Ratio	Lower	Upper
196	100		
198	85.8	74.2	111.4
97	42.4	37.0	55.6
132	22.8	18.5	27.7

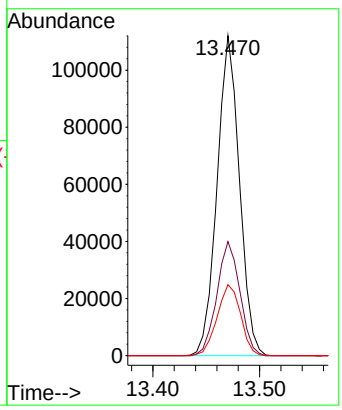




#45
2-Fluorobiphenyl
Concen: 21.050 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:172 Resp: 16334

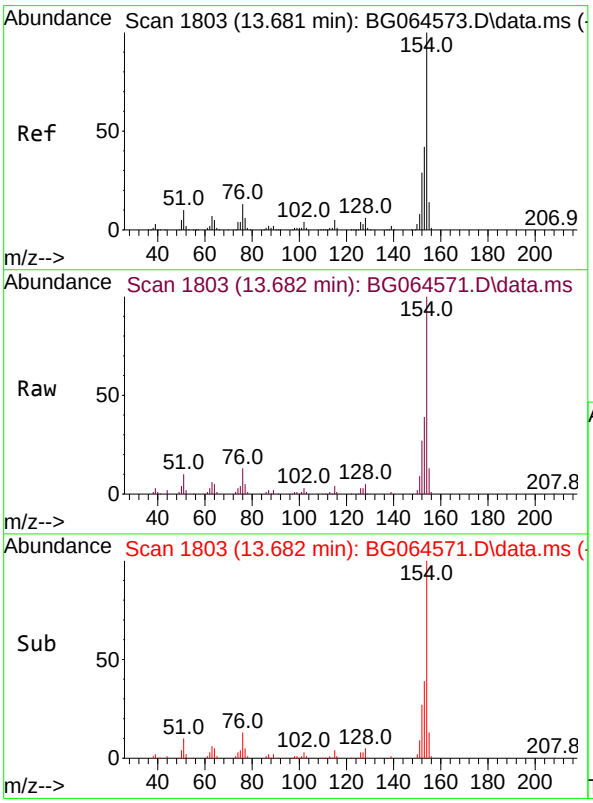
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	22.2	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

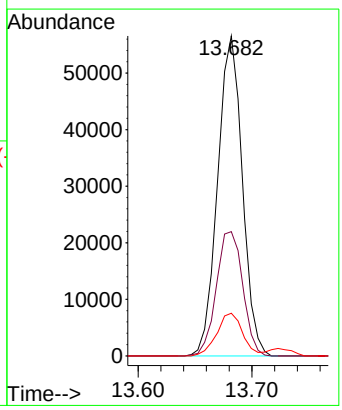
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

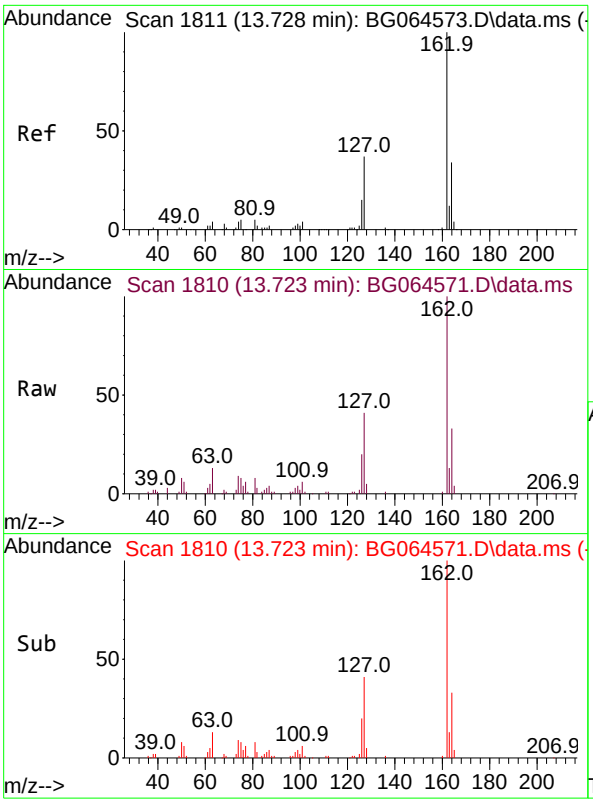


#46
1,1'-Biphenyl
Concen: 10.200 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 85287

Ion	Ratio	Lower	Upper
154	100		
153	38.8	22.4	62.4
76	13.3	0.0	33.5

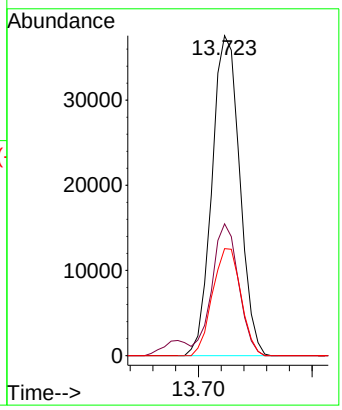




#47
2-Chloronaphthalene
Concen: 10.081 ng
RT: 13.723 min Scan# 18
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:162 Resp: 6363

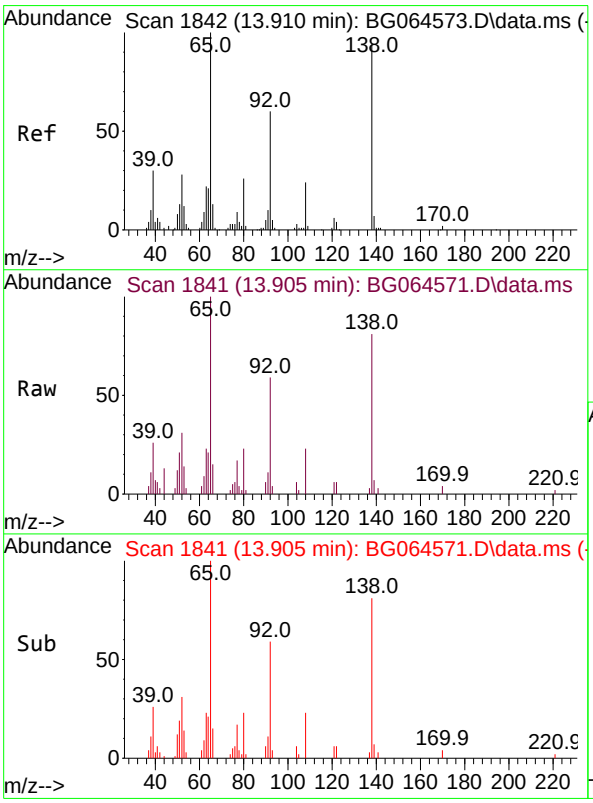
Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.2	48.2
164	33.4	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

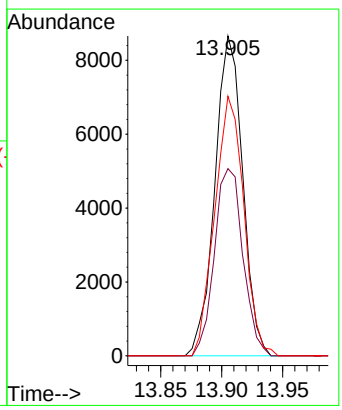
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

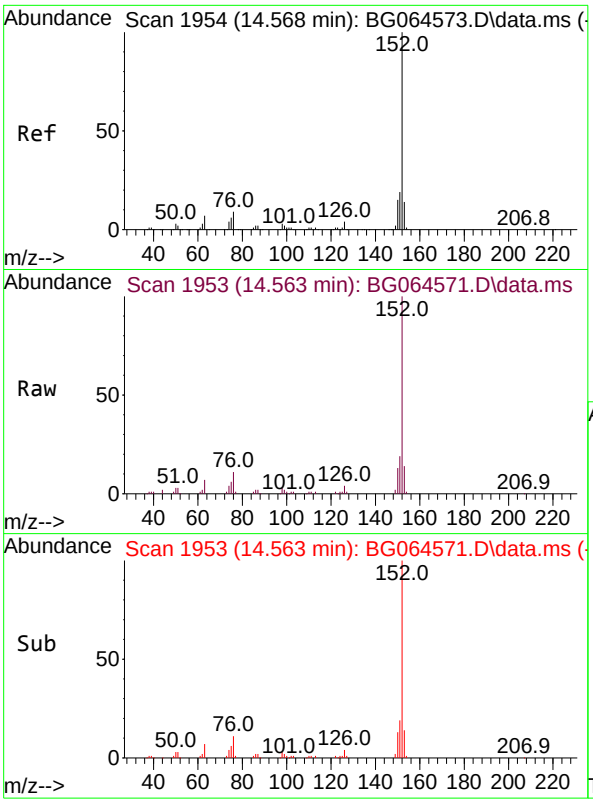


#48
2-Nitroaniline
Concen: 9.284 ng
RT: 13.905 min Scan# 1841
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 65 Resp: 13764

Ion	Ratio	Lower	Upper
65	100		
92	58.5	48.3	72.5
138	81.1	74.9	112.3

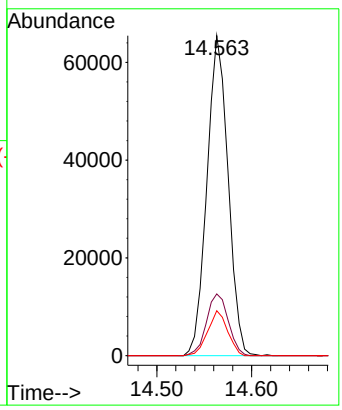




#49
Acenaphthylene
Concen: 10.198 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:152 Resp: 10152

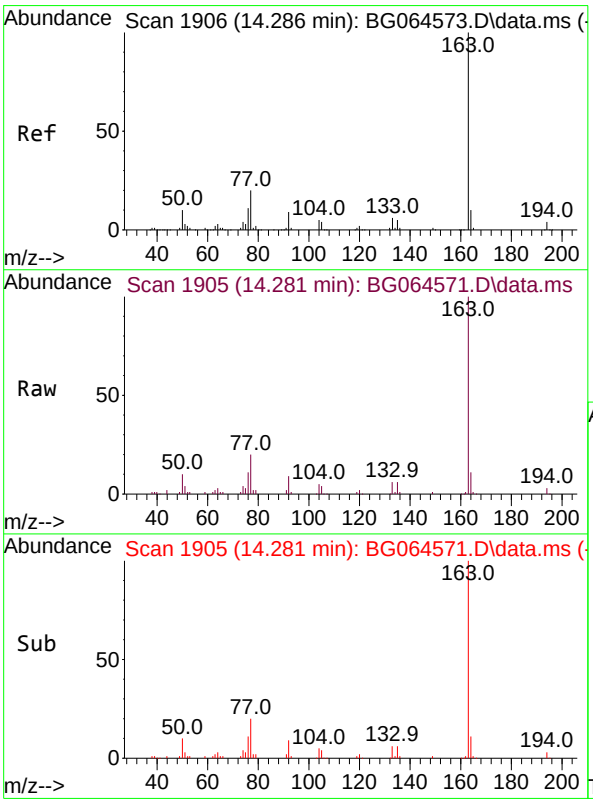
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	14.0	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

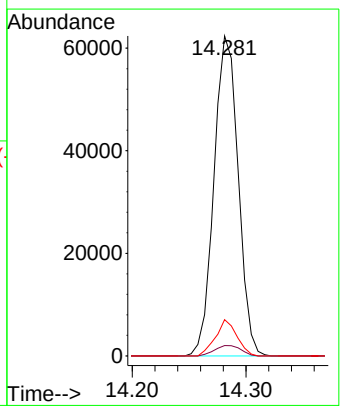
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

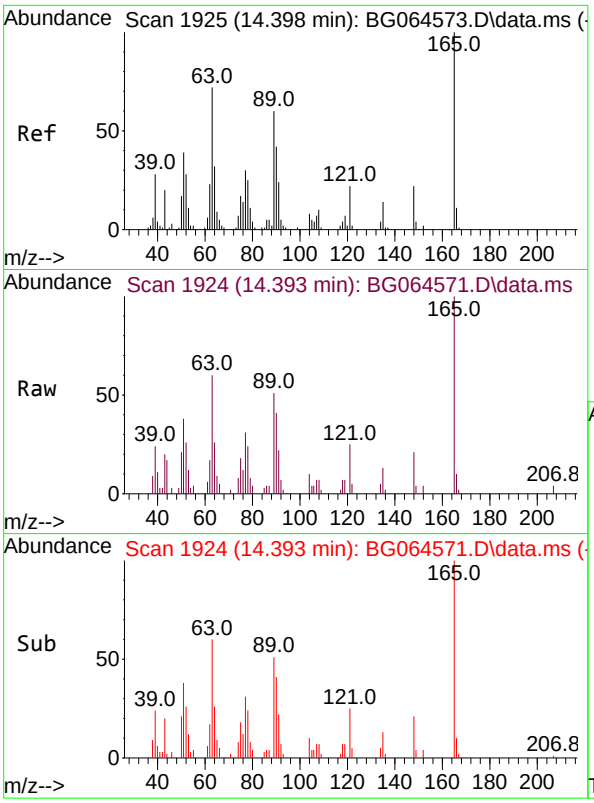


#50
Dimethylphthalate
Concen: 10.256 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:163 Resp: 92308

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	11.3	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 9.857 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

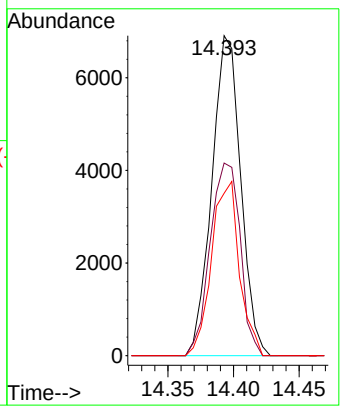
Tgt Ion:165 Resp: 10601

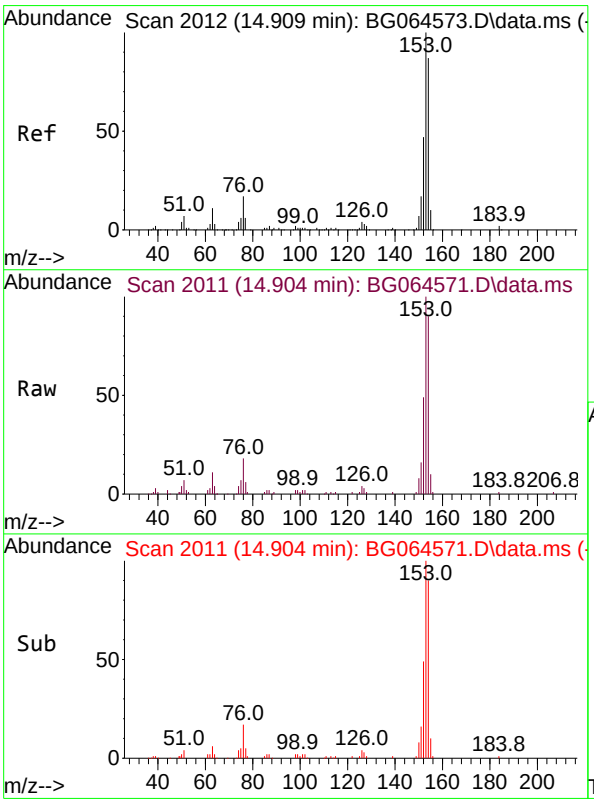
Ion	Ratio	Lower	Upper
165	100		
63	60.2	57.4	86.0
89	50.8	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

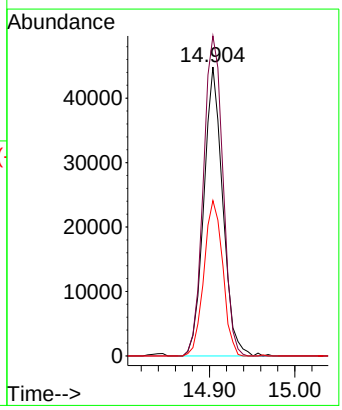


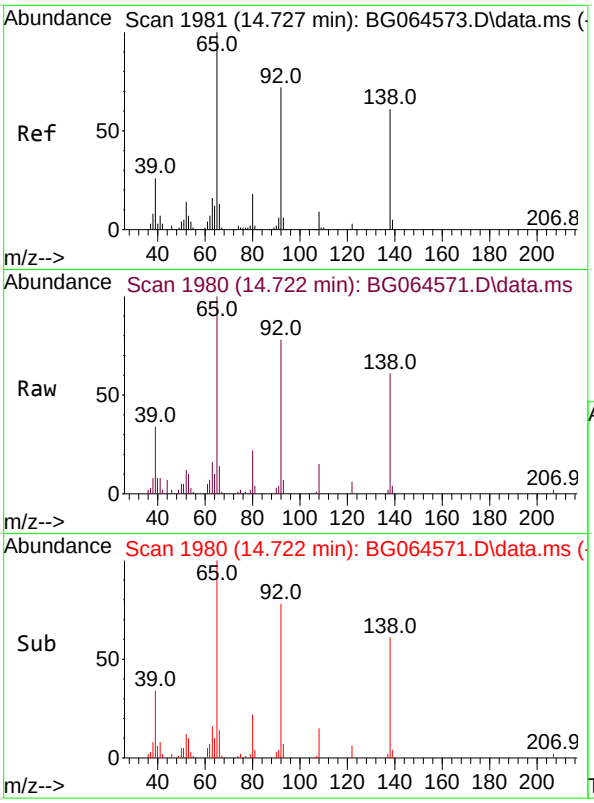


#52
Acenaphthene
Concen: 10.184 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:154 Resp: 69273

Ion	Ratio	Lower	Upper
154	100		
153	110.8	92.2	138.4
152	53.8	43.2	64.8

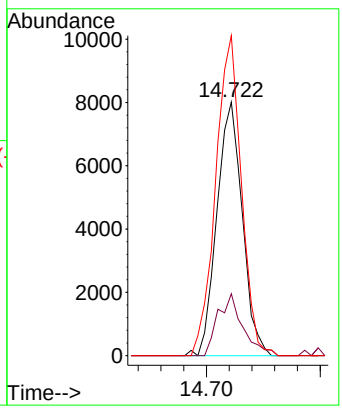




#53
3-Nitroaniline
Concen: 8.026 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 12414

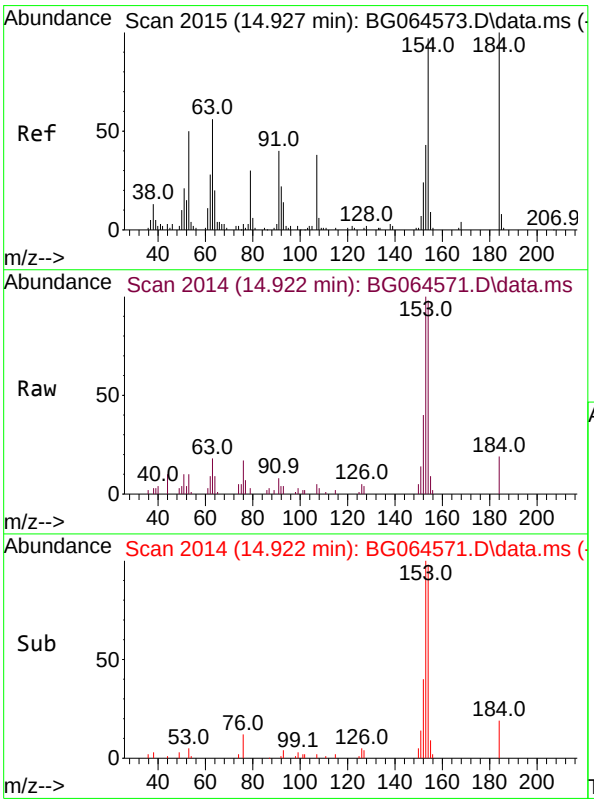
Ion	Ratio	Lower	Upper
138	100		
108	24.4	11.4	17.0#
92	126.2	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

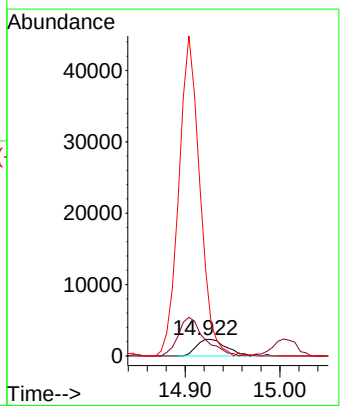
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

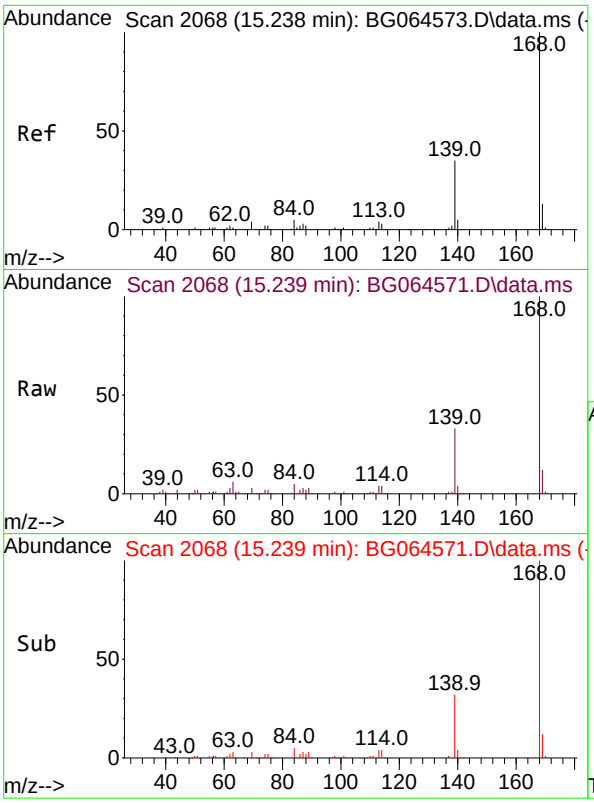


#54
2,4-Dinitrophenol
Concen: 10.760 ng
RT: 14.922 min Scan# 2014
Delta R.T. -0.008 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 5082

Ion	Ratio	Lower	Upper
184	100		
63	95.9	56.6	85.0#
154	514.8	158.6	238.0#

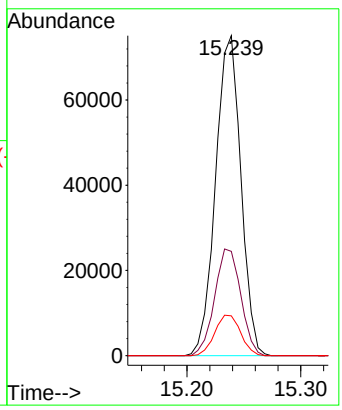




#55
Dibenzofuran
Concen: 10.548 ng
RT: 15.239 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:168 Resp: 11599

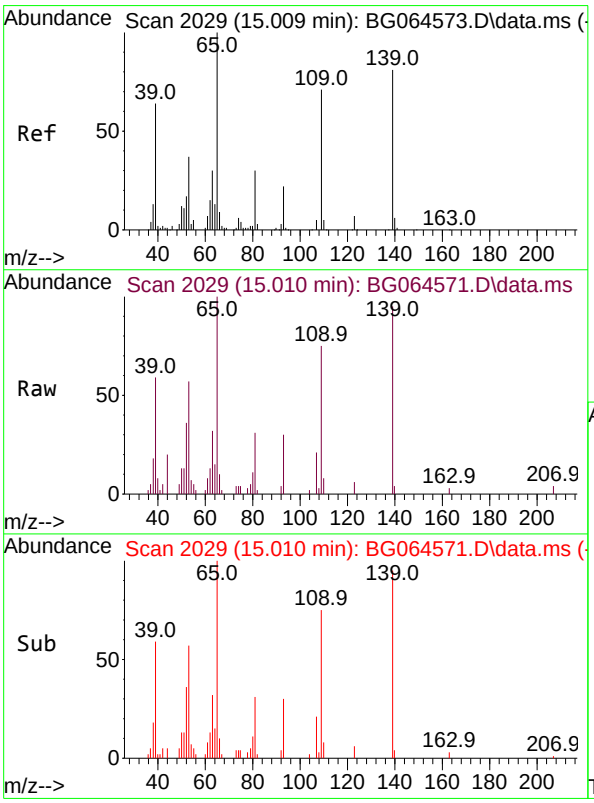
Ion	Ratio	Lower	Upper
168	100		
139	32.6	27.8	41.8
169	12.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

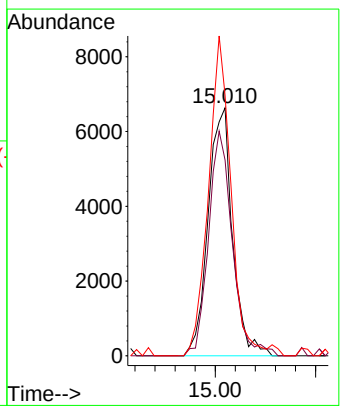
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

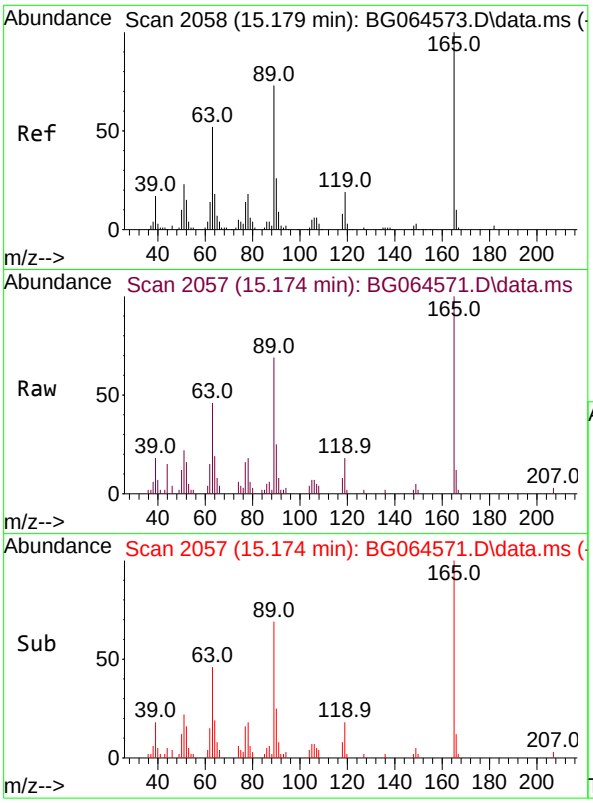


#56
4-Nitrophenol
Concen: 7.815 ng
RT: 15.010 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:139 Resp: 11207

Ion	Ratio	Lower	Upper
139	100		
109	78.9	67.8	107.8
65	105.0	103.7	143.7

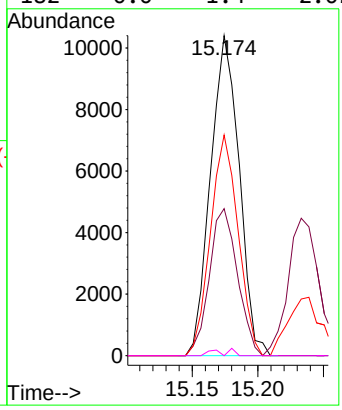




#57
2,4-Dinitrotoluene
Concen: 9.494 ng
RT: 15.174 min Scan# 2
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:165 Resp: 1579

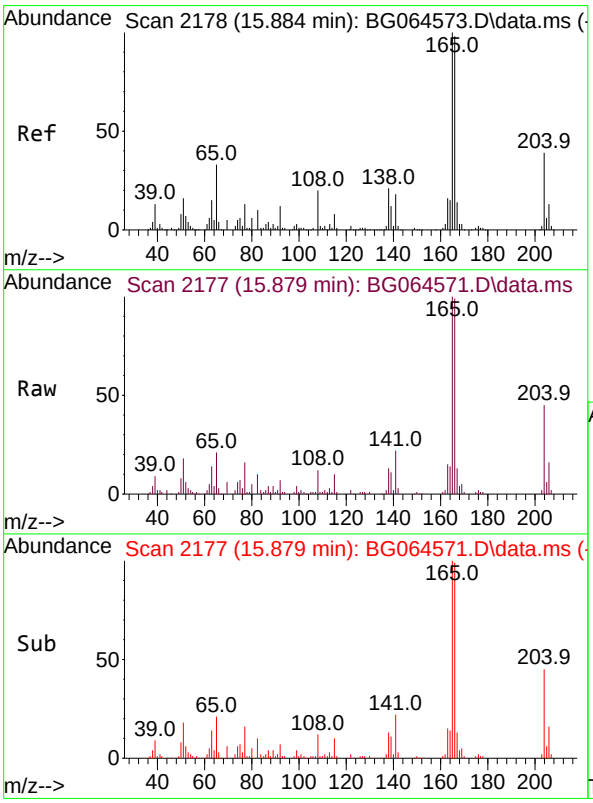
Ion	Ratio	Lower	Upper
165	100		
63	45.9	41.8	62.8
89	68.9	58.1	87.1
182	0.0	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

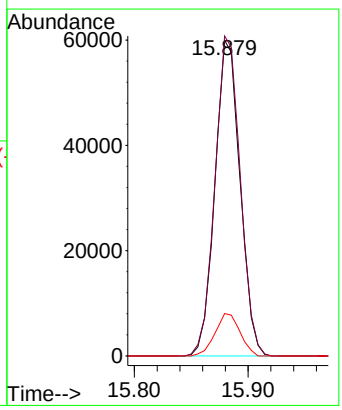
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

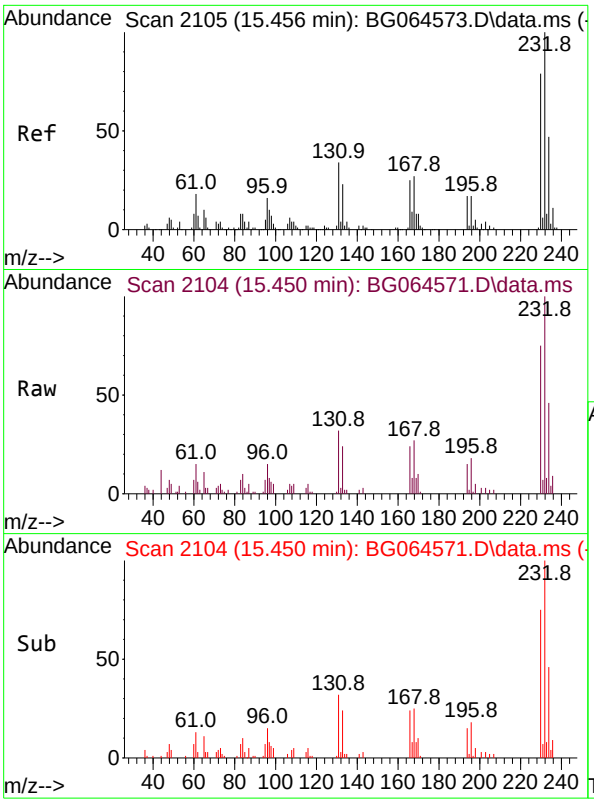


#58
Fluorene
Concen: 10.679 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:166 Resp: 91712

Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.5	122.3
167	13.4	11.4	17.0

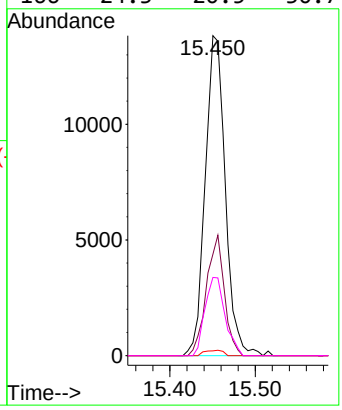




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.088 ng
RT: 15.450 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:232 Resp: 2264

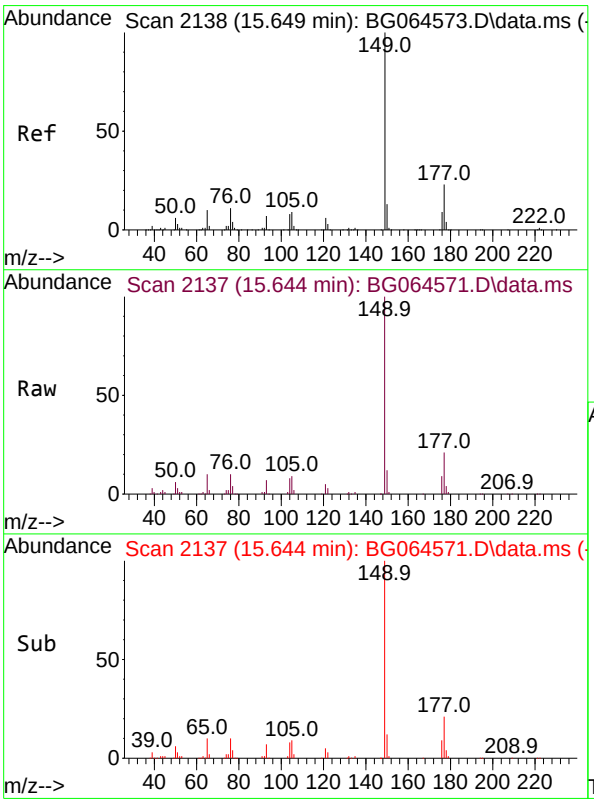
Ion	Ratio	Lower	Upper
232	100		
131	33.5	26.7	40.1
130	1.5	1.6	2.4#
166	24.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

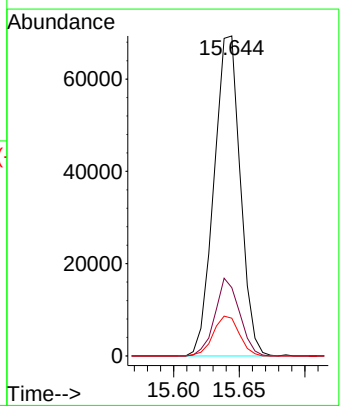
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

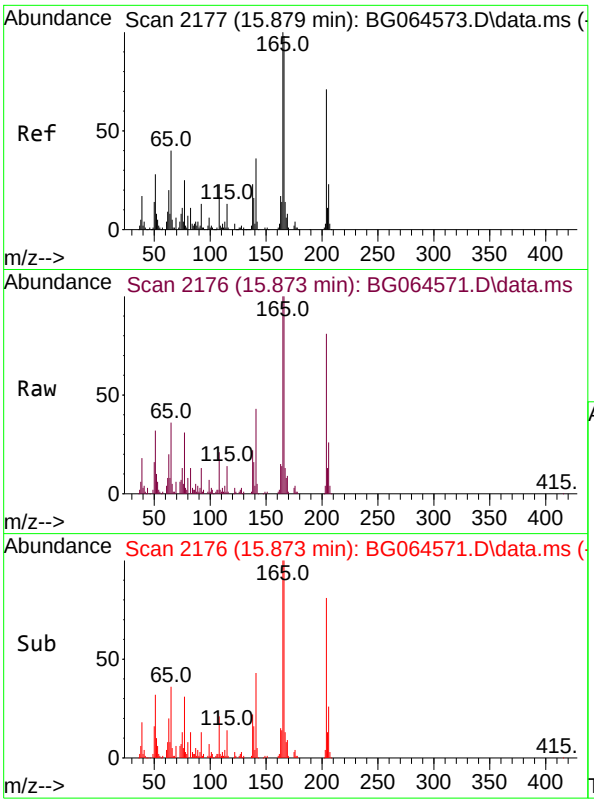


#60
Diethylphthalate
Concen: 10.525 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 96719

Ion	Ratio	Lower	Upper
149	100		
177	21.3	18.0	27.0
150	11.8	10.2	15.4

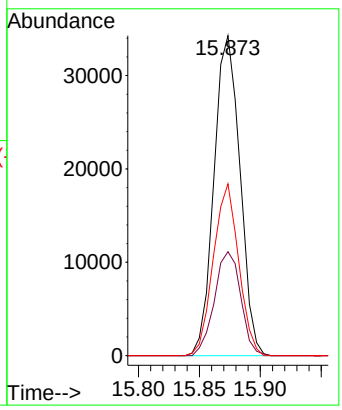




#61
4-Chlorophenyl-phenylether
Concen: 10.544 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:204 Resp: 5081

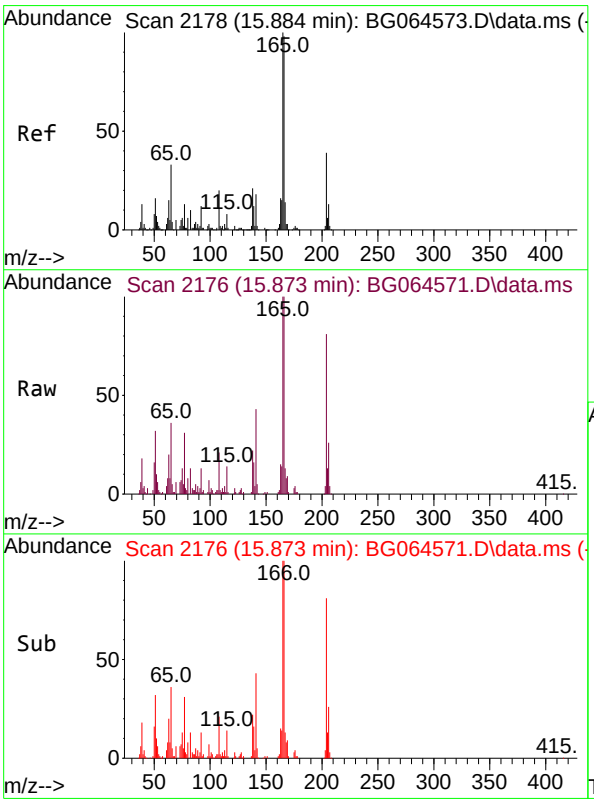
Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.6	38.4
141	53.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

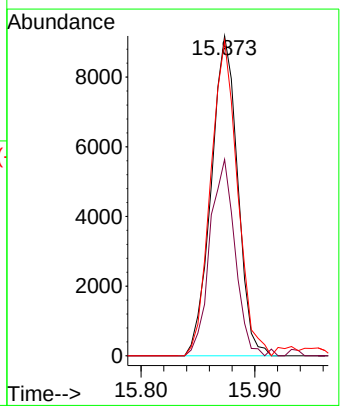
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

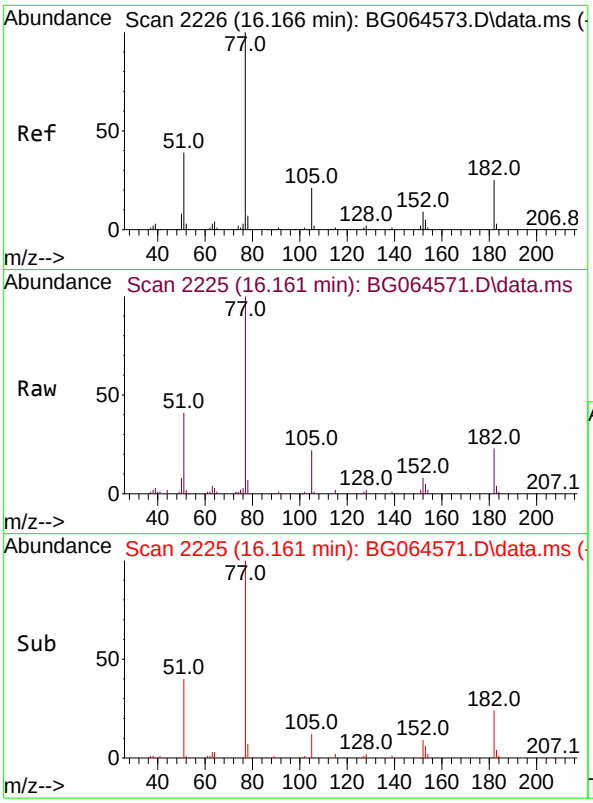


#62
4-Nitroaniline
Concen: 8.612 ng
RT: 15.873 min Scan# 2176
Delta R.T. -0.020 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:138 Resp: 14819

Ion	Ratio	Lower	Upper
138	100		
92	61.4	36.1	76.1
108	98.5	75.6	115.6

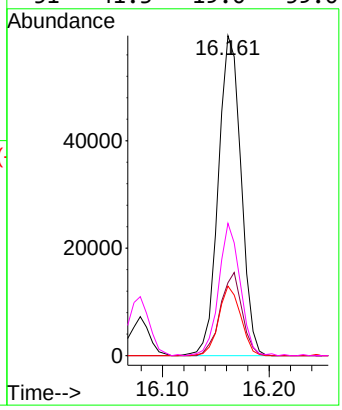




#63
Azobenzene
Concen: 10.489 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion: 77 Resp: 8844

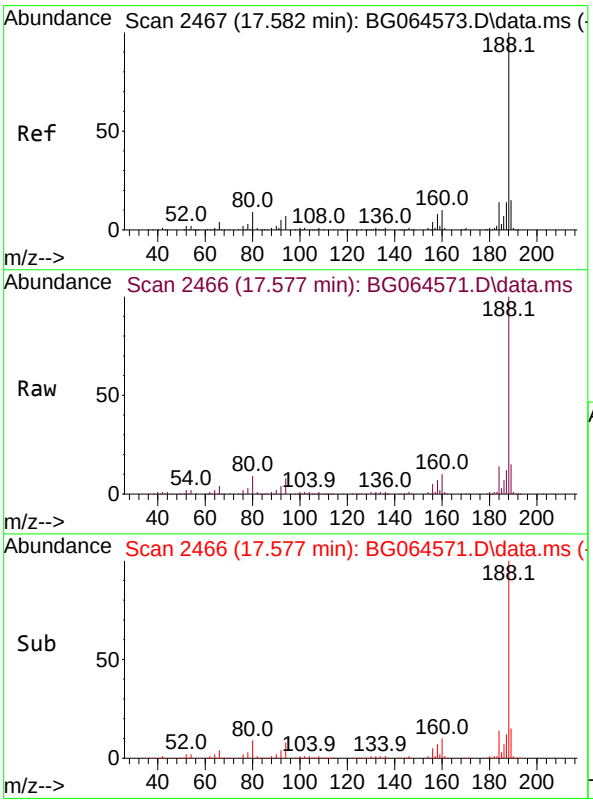
Ion	Ratio	Lower	Upper
77	100		
182	22.8	4.9	44.9
105	21.7	1.3	41.3
51	41.3	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

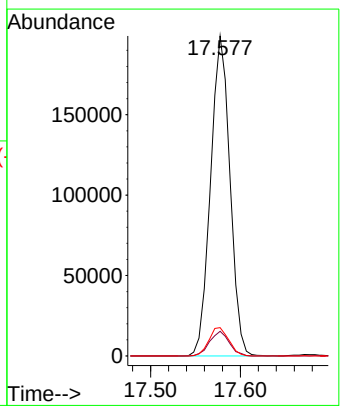
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

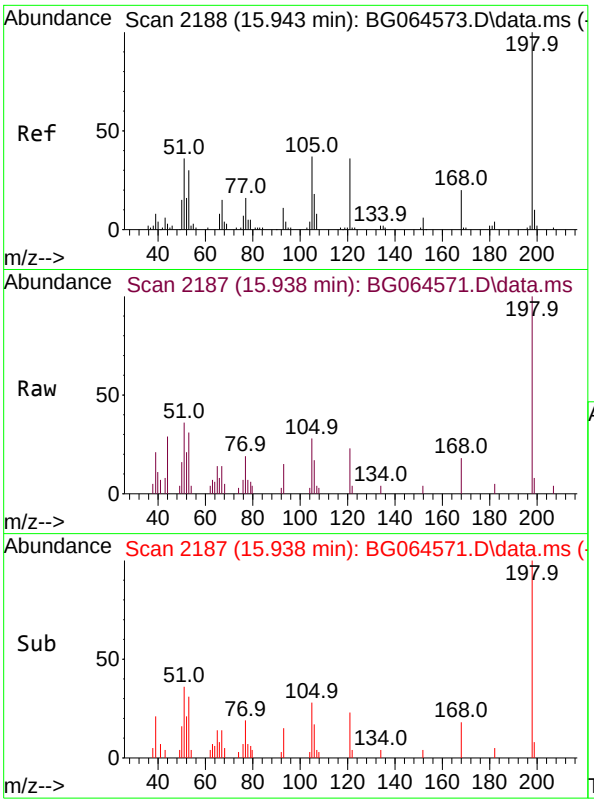


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:188 Resp: 300549

Ion	Ratio	Lower	Upper
188	100		
94	7.7	5.7	8.5
80	8.8	6.8	10.2

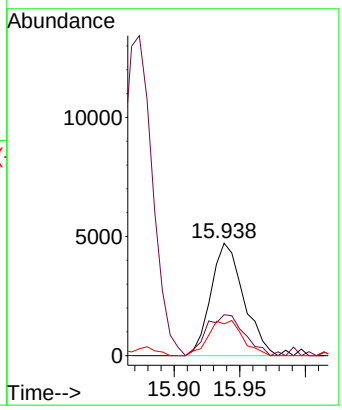




#65
4,6-Dinitro-2-methylphenol
Concen: 10.919 ng
RT: 15.938 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:198 Resp: 819

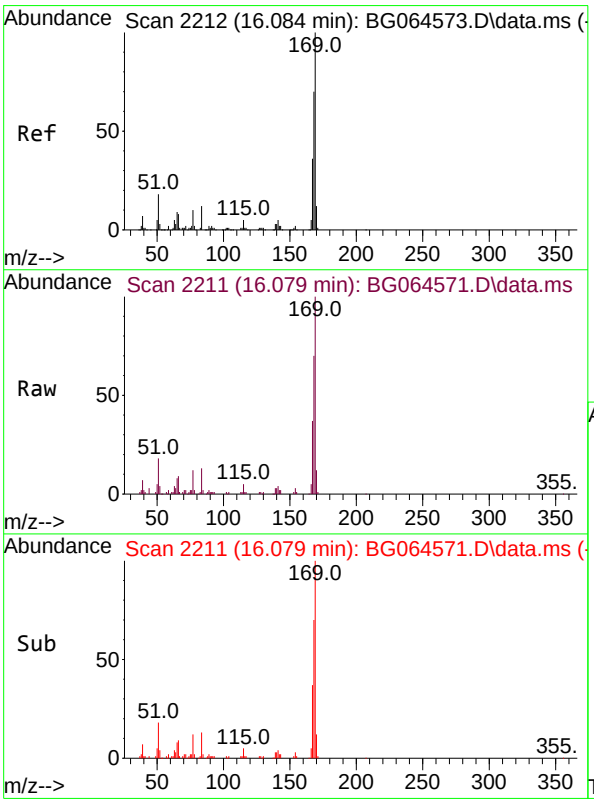
Ion	Ratio	Lower	Upper
198	100		
51	36.4	24.7	64.7
105	28.3	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

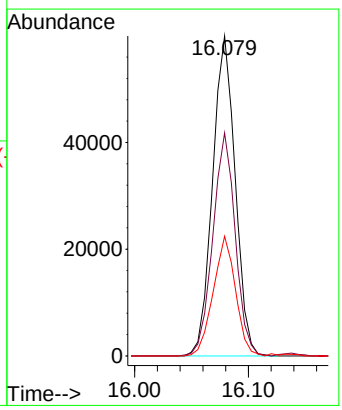
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

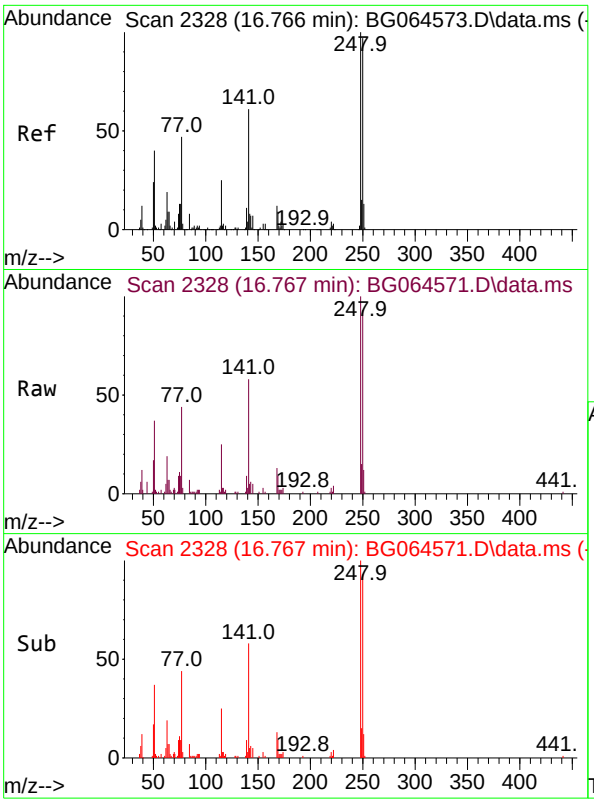


#66
n-Nitrosodiphenylamine
Concen: 10.197 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:169 Resp: 82787

Ion	Ratio	Lower	Upper
169	100		
168	69.7	56.3	84.5
167	37.4	29.0	43.6

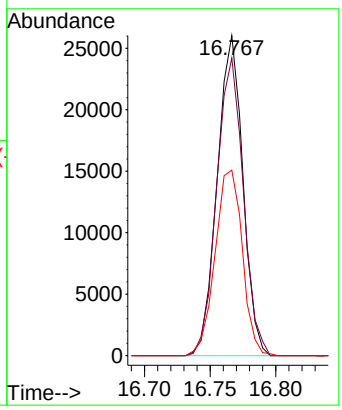




#67
4-Bromophenyl-phenylether
Concen: 9.949 ng
RT: 16.767 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:248 Resp: 3543

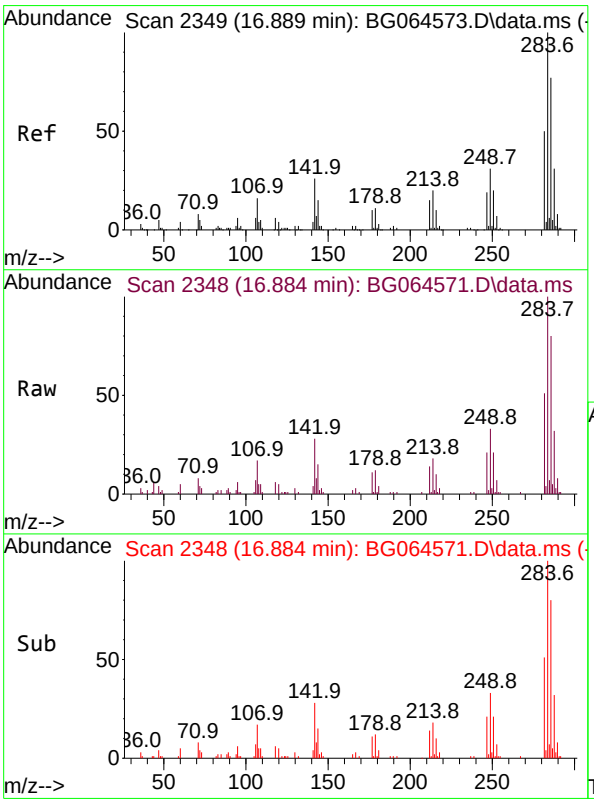
Ion	Ratio	Lower	Upper
248	100		
250	93.0	77.7	116.5
141	58.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

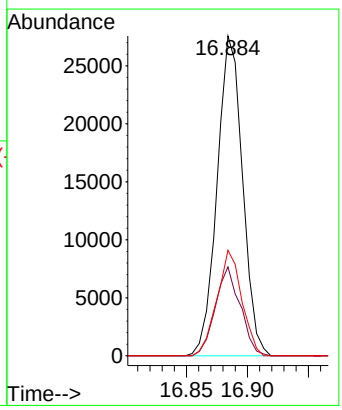
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

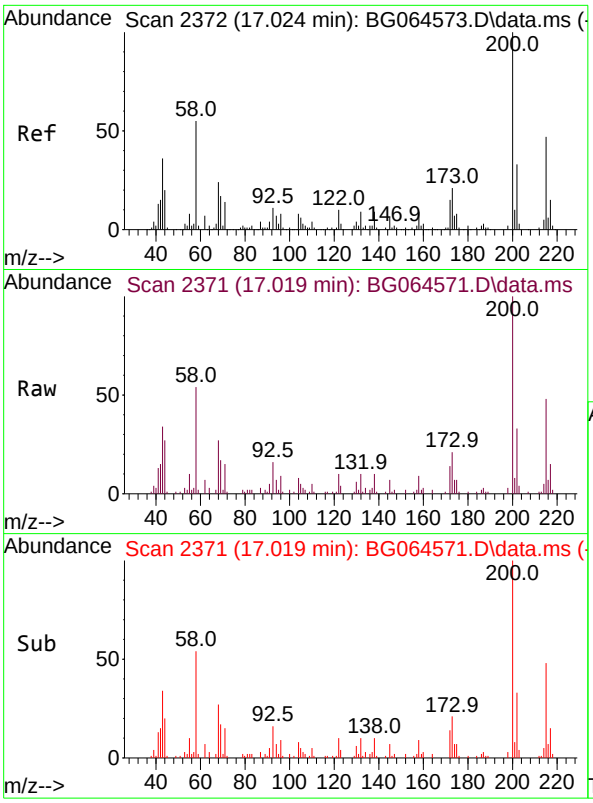


#68
Hexachlorobenzene
Concen: 9.838 ng
RT: 16.884 min Scan# 2348
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:284 Resp: 39975

Ion	Ratio	Lower	Upper
284	100		
142	27.8	21.0	31.6
249	35.9	24.9	37.3

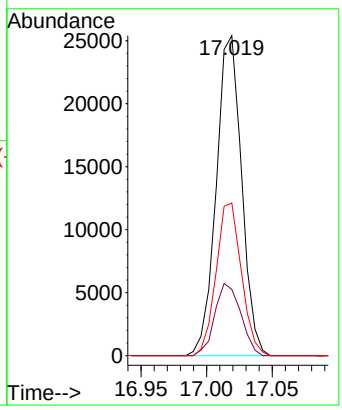




#69
Atrazine
Concen: 9.785 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:200 Resp: 3418

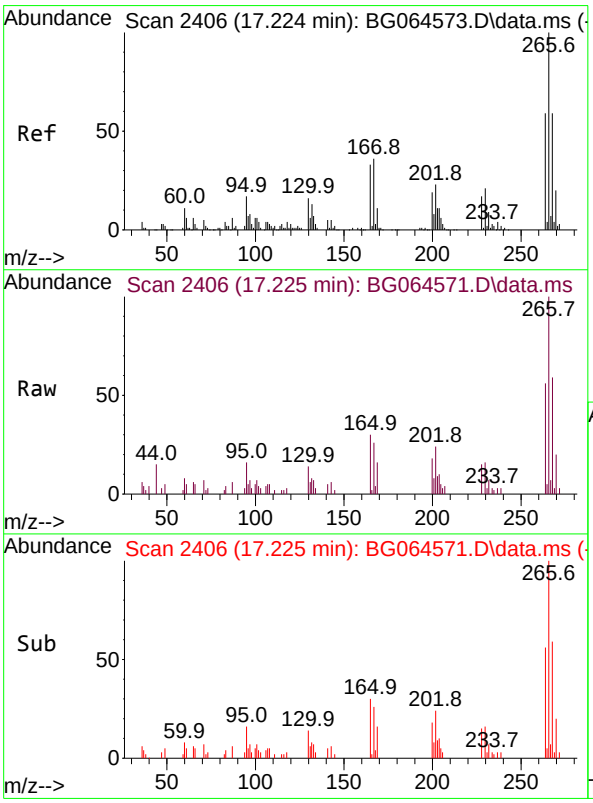
Ion	Ratio	Lower	Upper
200	100		
173	20.7	0.9	40.9
215	47.7	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

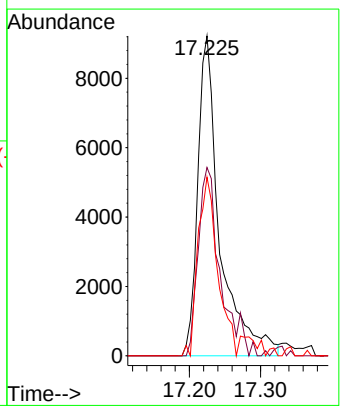
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

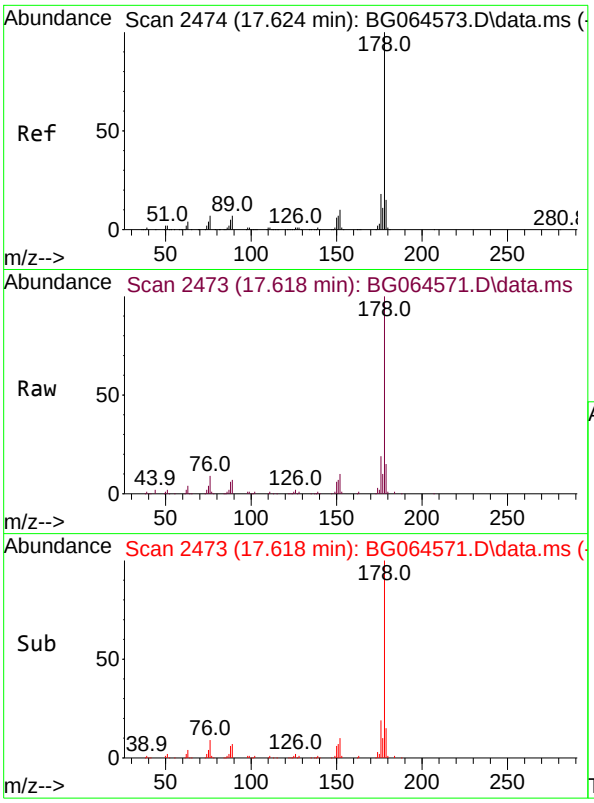


#70
Pentachlorophenol
Concen: 7.838 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:266 Resp: 19859

Ion	Ratio	Lower	Upper
266	100		
268	58.9	50.3	75.5
264	61.2	47.3	70.9

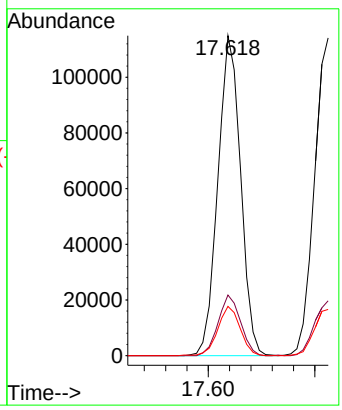




#71
Phenanthrene
Concen: 10.361 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 170294

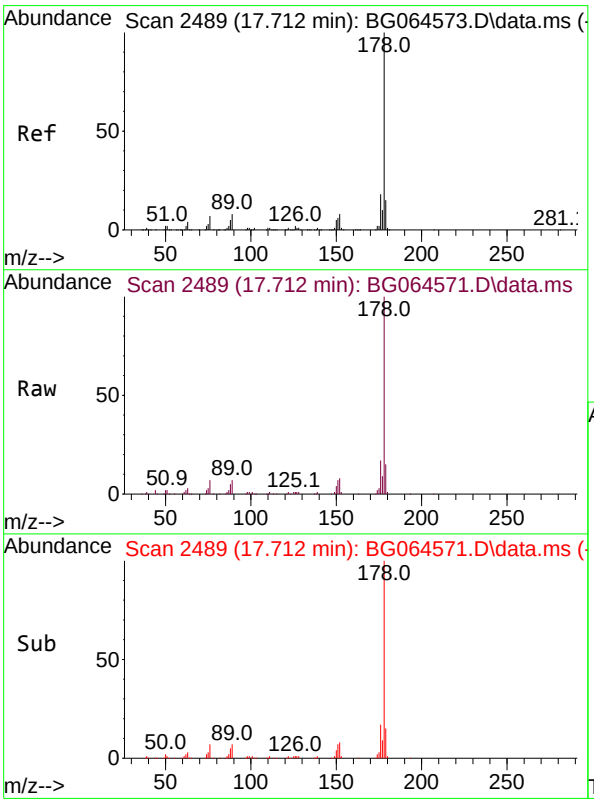
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

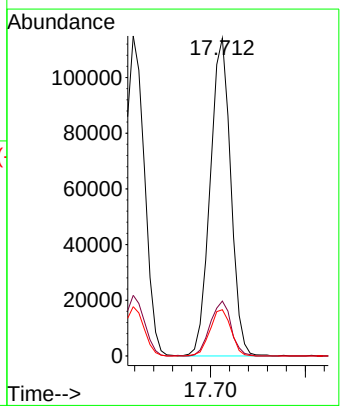
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

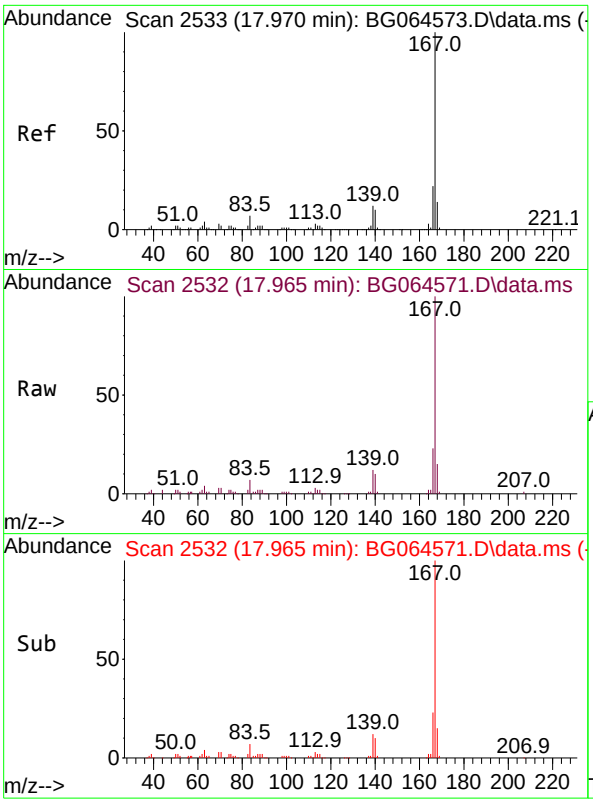


#72
Anthracene
Concen: 10.279 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:178 Resp: 171860

Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.4	21.6
179	14.5	12.4	18.6

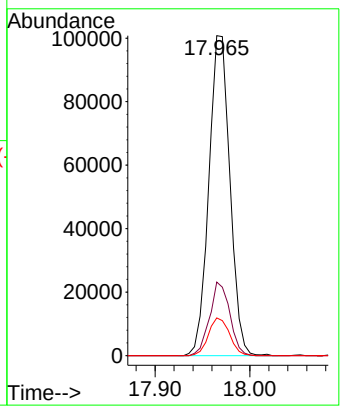




#73
Carbazole
Concen: 10.575 ng
RT: 17.965 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:167 Resp: 15590

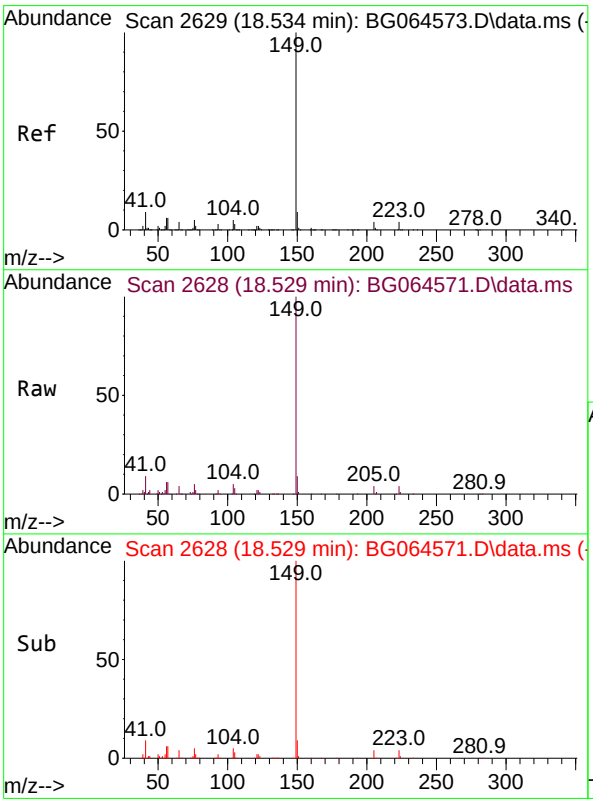
Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.9	26.9
139	11.8	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

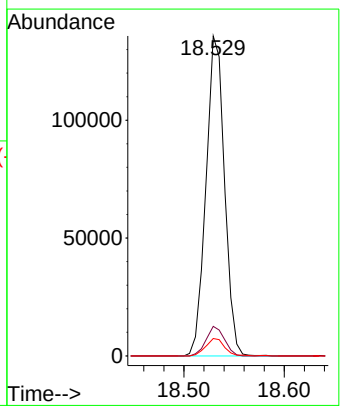
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

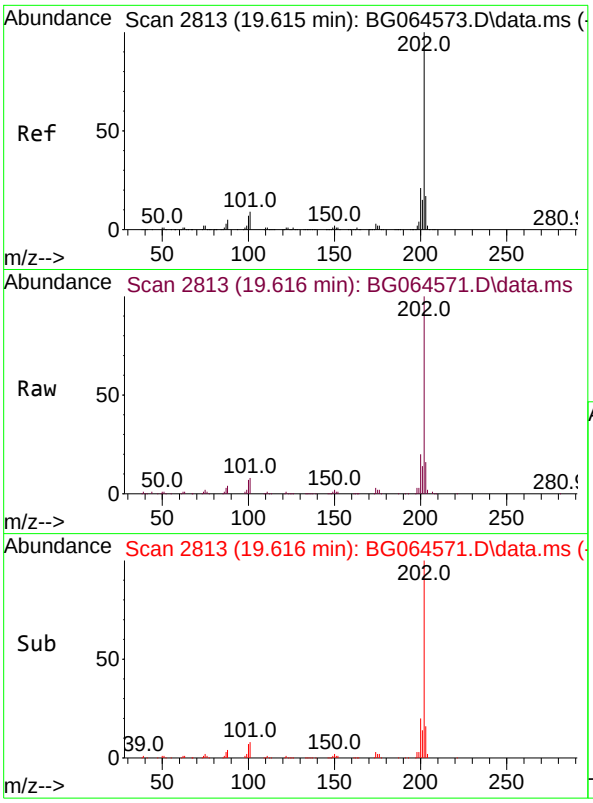


#74
Di-n-butylphthalate
Concen: 10.189 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 173716

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.0	10.6
104	5.5	4.1	6.1

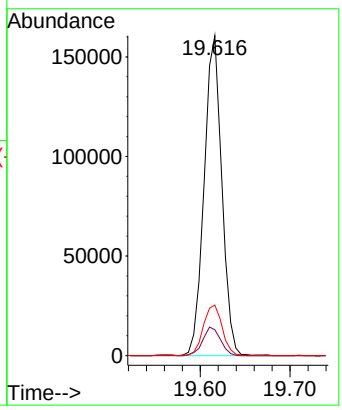




#75
Fluoranthene
Concen: 10.677 ng
RT: 19.616 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 219838

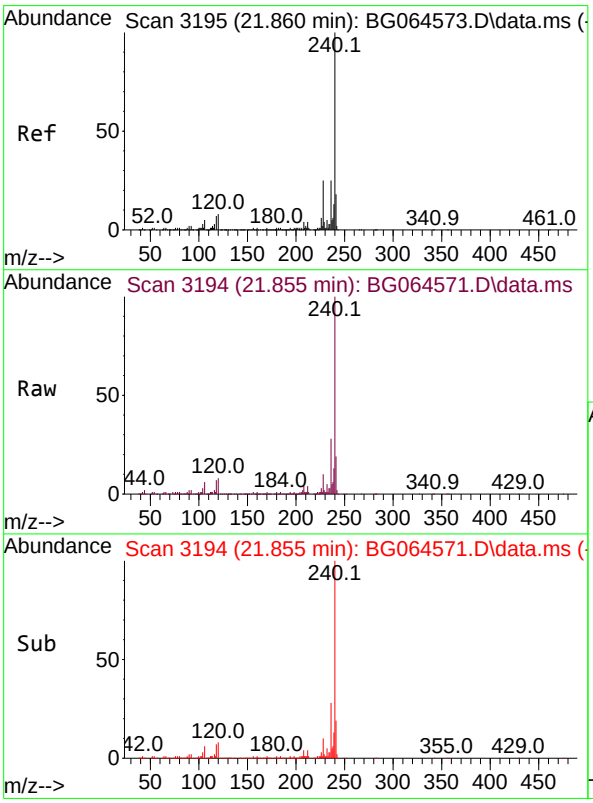
Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.7
203	15.8	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

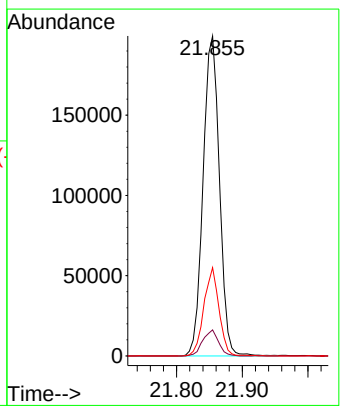
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

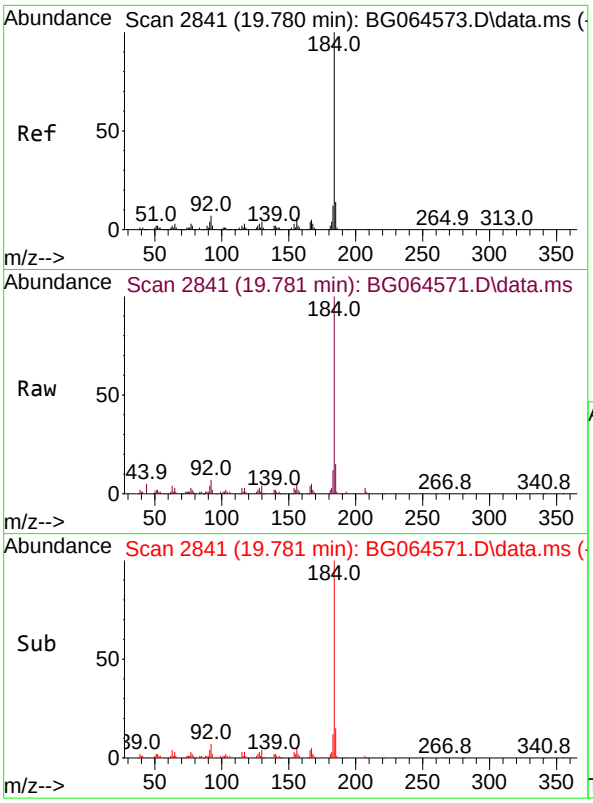


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.855 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:240 Resp: 343958

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	27.6	20.2	30.2

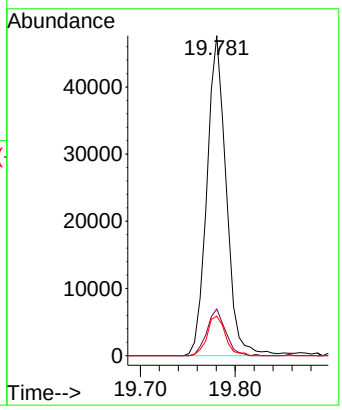




#77
Benzidine
Concen: 8.750 ng
RT: 19.781 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:184 Resp: 6742

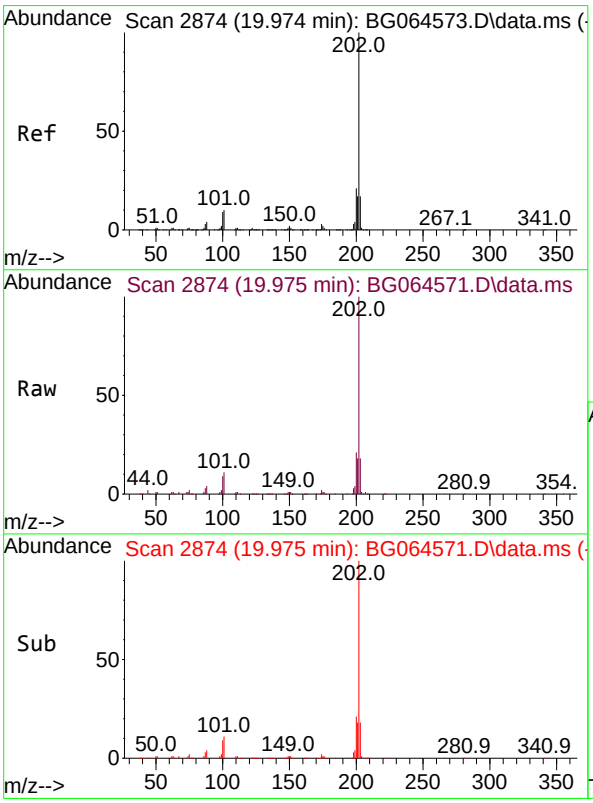
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.2
183	12.3	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

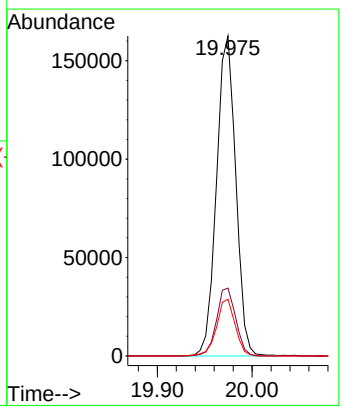
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

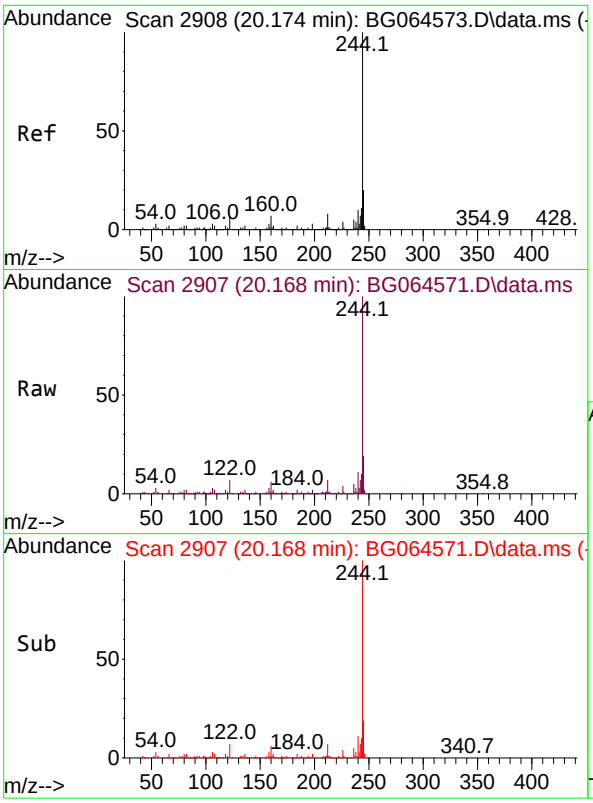


#78
Pyrene
Concen: 10.186 ng
RT: 19.975 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:202 Resp: 228905

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.7	13.8	20.6





#79
Terphenyl-d14
Concen: 21.129 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

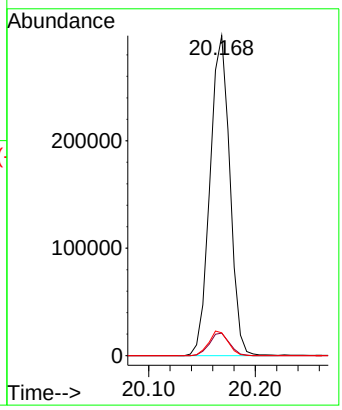
Tgt Ion:244 Resp: 385094

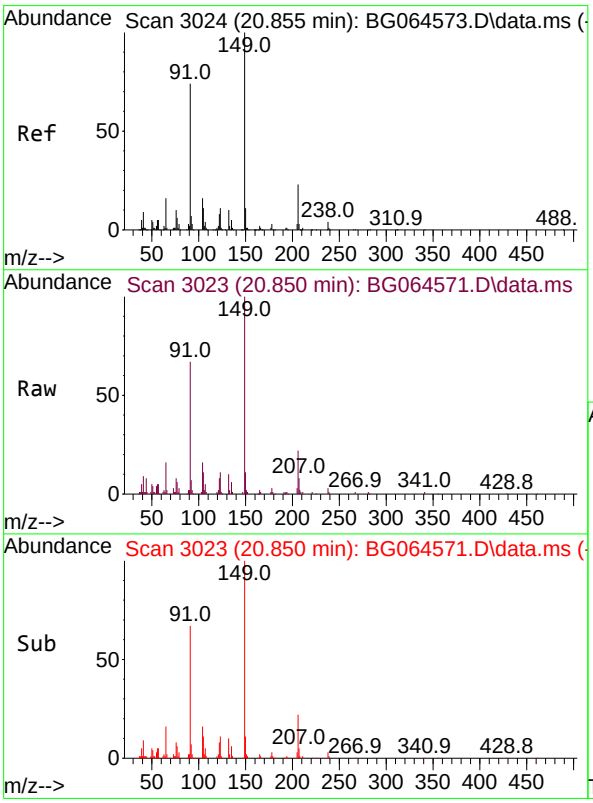
Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.1	9.1
122	7.2	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

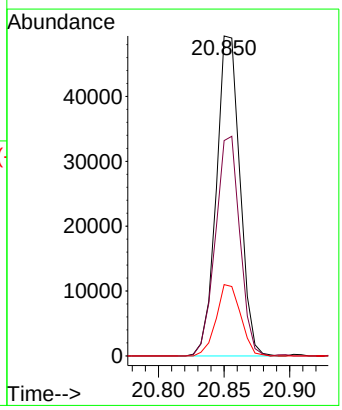


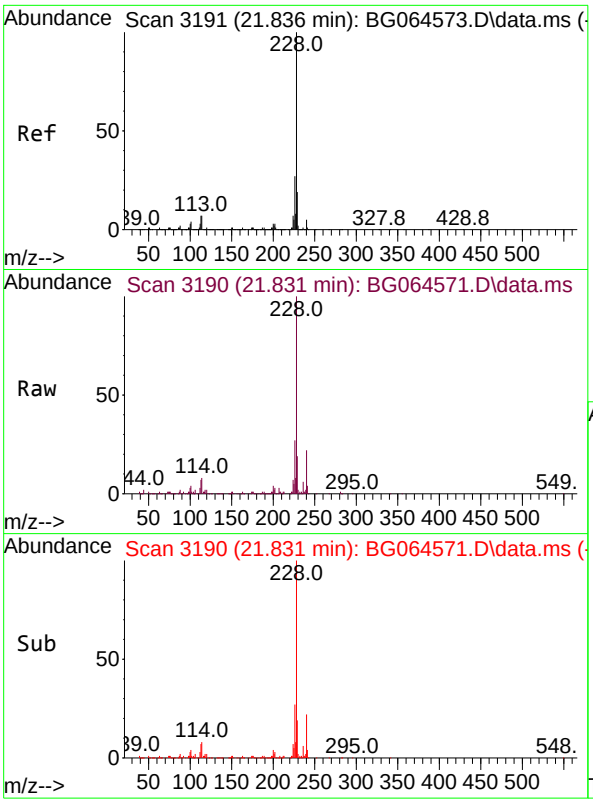


#80
Butylbenzylphthalate
Concen: 9.080 ng
RT: 20.850 min Scan# 3023
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 61669

Ion	Ratio	Lower	Upper
149	100		
91	67.3	59.2	88.8
206	22.3	18.1	27.1

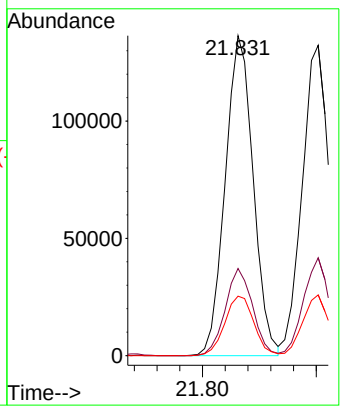




#81
Benzo(a)anthracene
Concen: 10.219 ng
RT: 21.831 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 233051

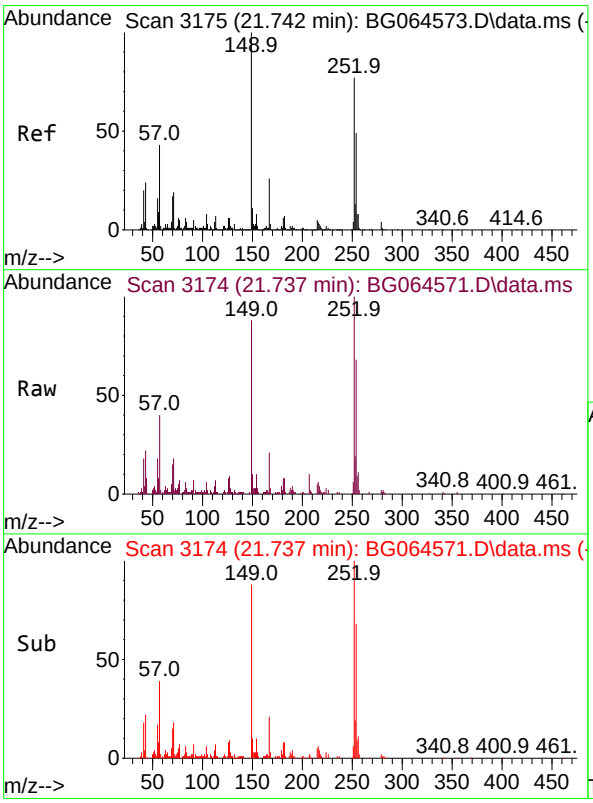
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	18.6	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

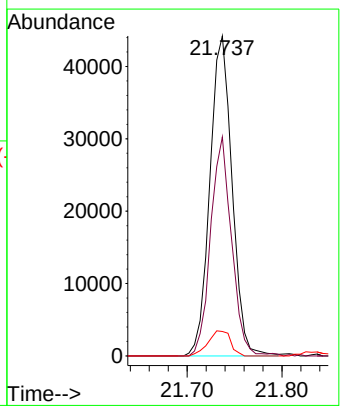
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

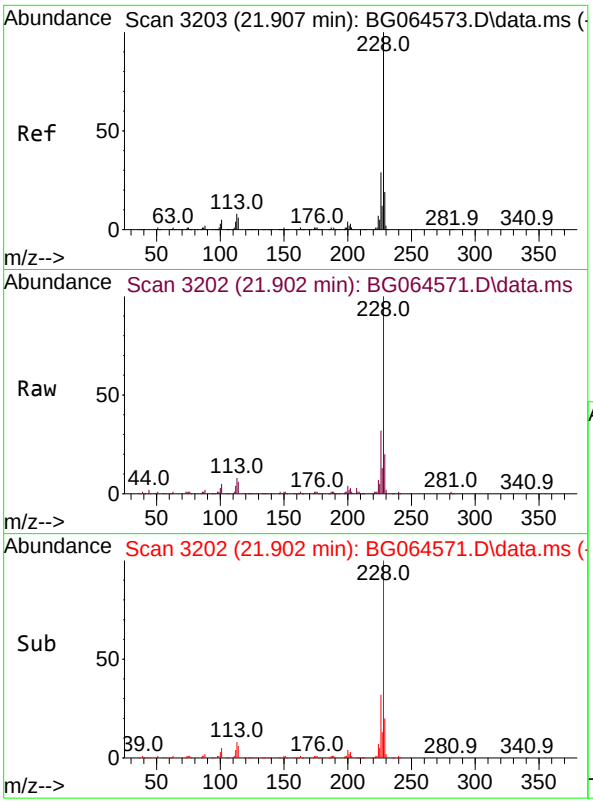


#82
3,3'-Dichlorobenzidine
Concen: 9.448 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 71951

Ion	Ratio	Lower	Upper
252	100		
254	68.4	50.8	76.2
126	7.6	5.8	8.6

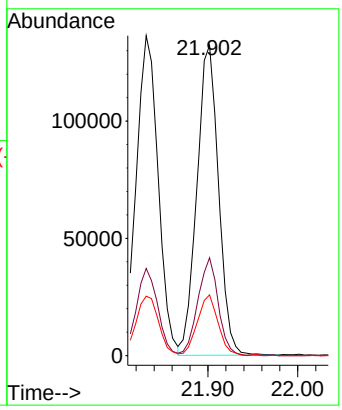




#83
Chrysene
Concen: 10.231 ng
RT: 21.902 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:228 Resp: 22201

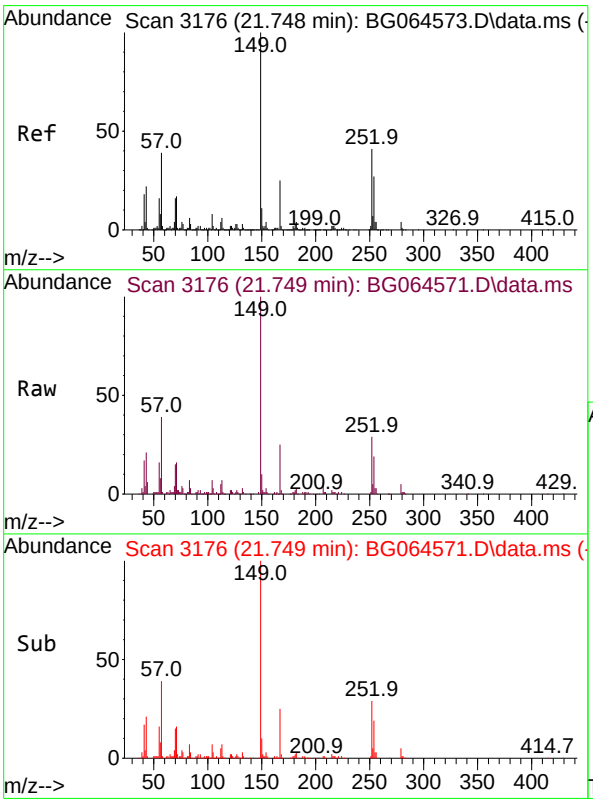
Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.3	34.9
229	19.6	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

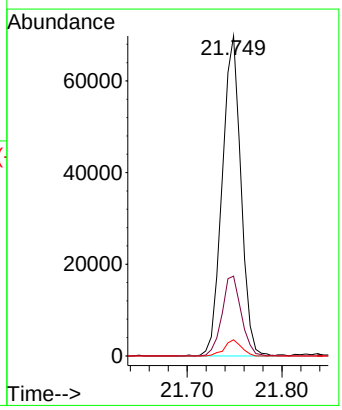
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

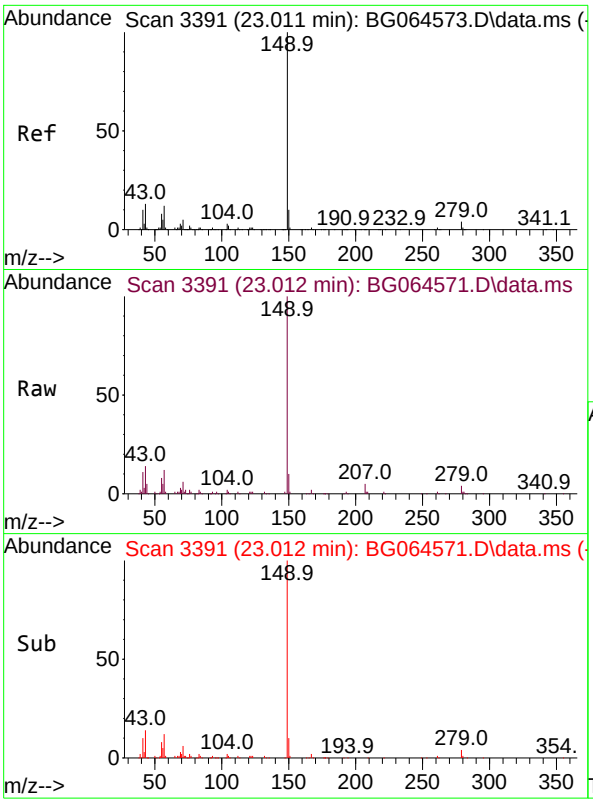


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.410 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 95500

Ion	Ratio	Lower	Upper
149	100		
167	24.9	20.0	30.0
279	5.0	3.1	4.7#

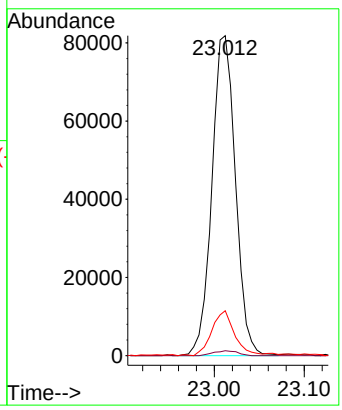




#85
Di-n-octyl phthalate
Concen: 8.759 ng
RT: 23.012 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:149 Resp: 14987

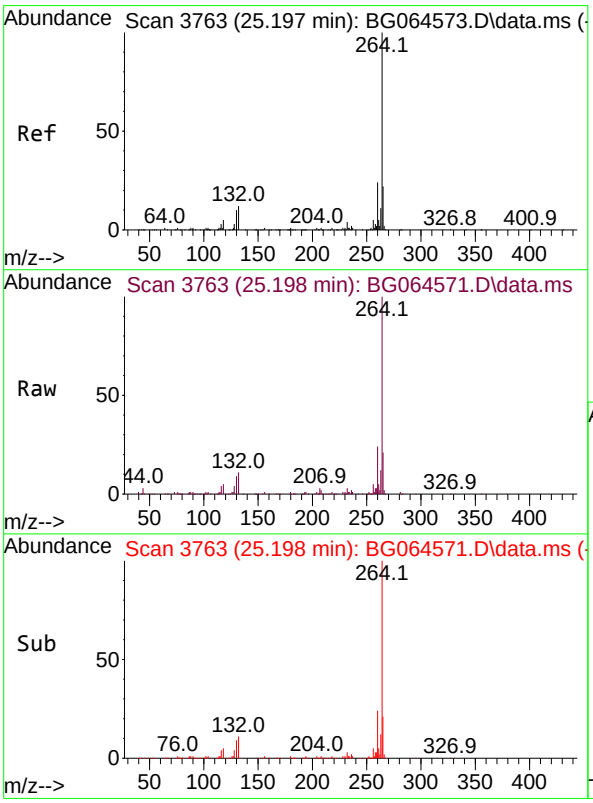
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	12.9	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

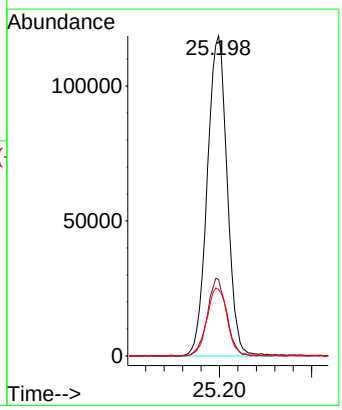
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

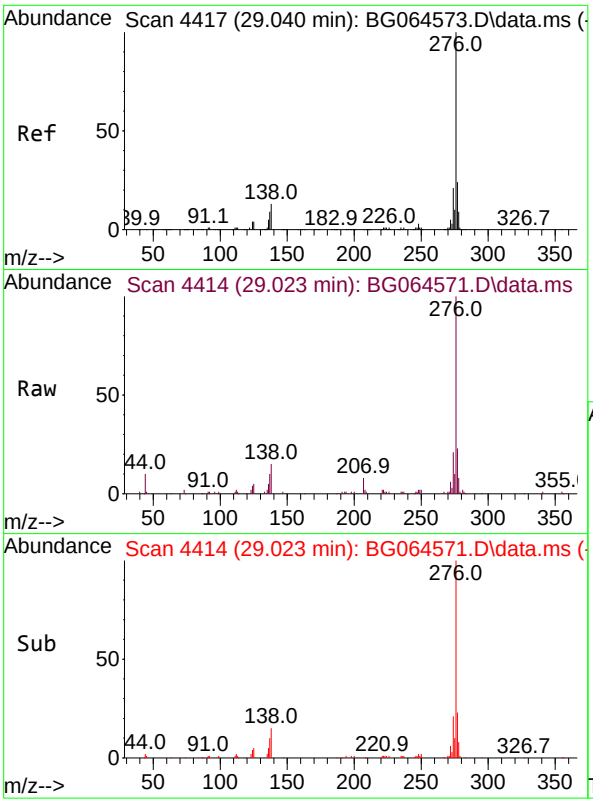


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:264 Resp: 354939

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	20.7	17.6	26.4

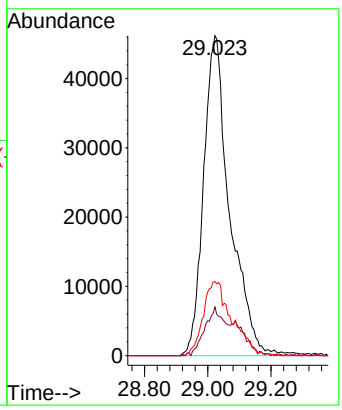




#87
Indeno(1,2,3-cd)pyrene
Concen: 10.132 ng
RT: 29.023 min Scan# 44
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 26454

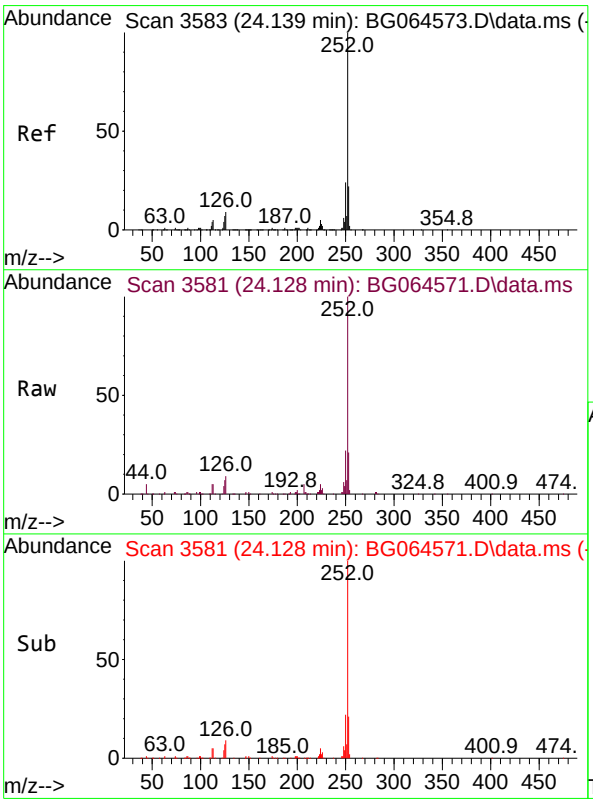
Ion	Ratio	Lower	Upper
276	100		
138	11.8	10.8	16.2
277	20.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

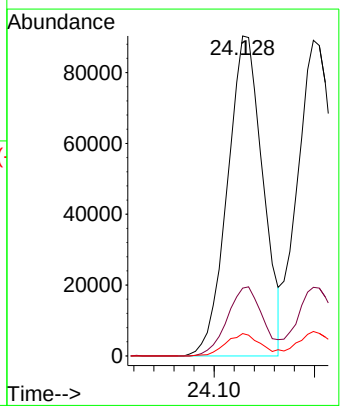
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

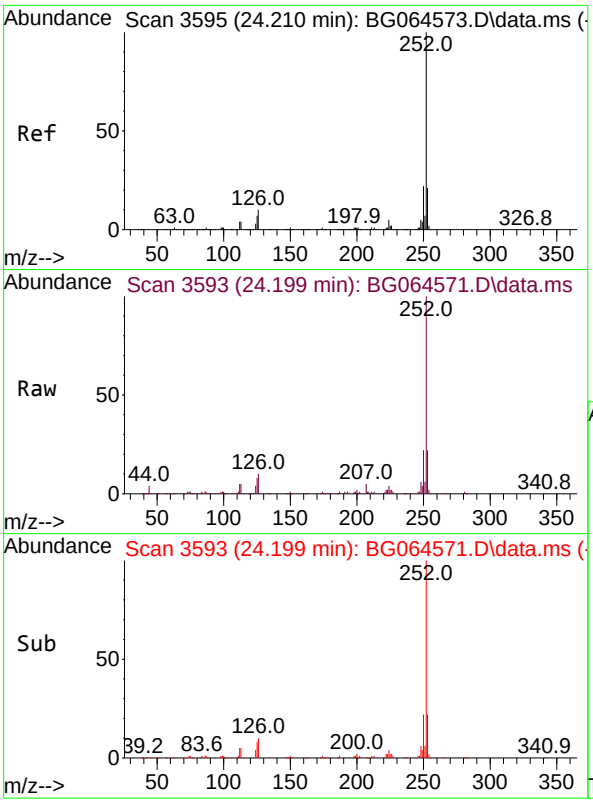


#88
Benzo(b)fluoranthene
Concen: 10.163 ng
RT: 24.128 min Scan# 3581
Delta R.T. -0.015 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 221197

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.0	5.6	8.4

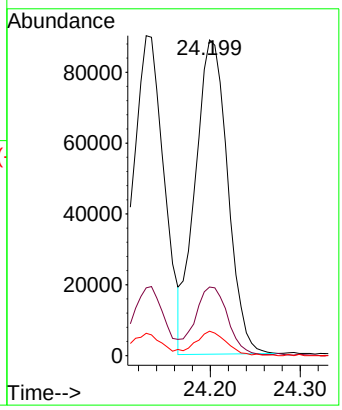




#89
Benzo(k)fluoranthene
Concen: 10.270 ng
RT: 24.199 min Scan# 3
Delta R.T. -0.020 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 22367

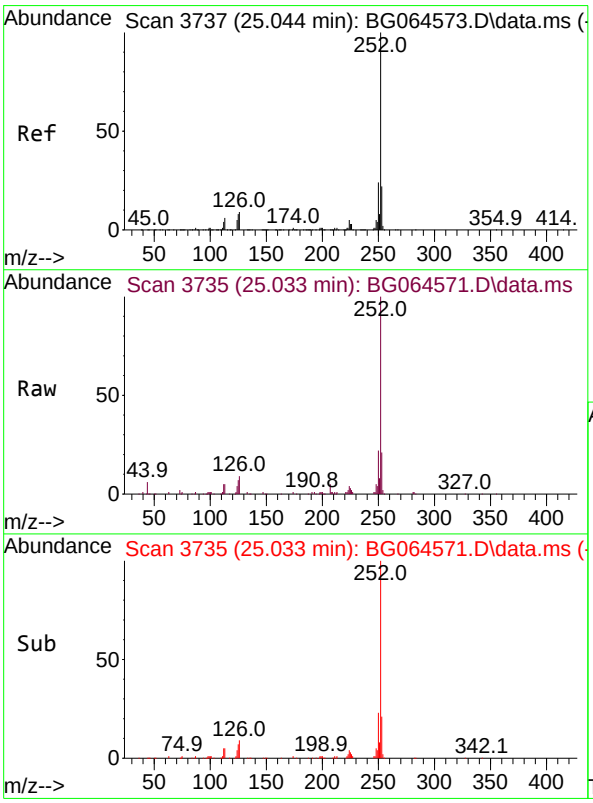
Ion	Ratio	Lower	Upper
252	100		
253	21.7	16.8	25.2
125	7.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

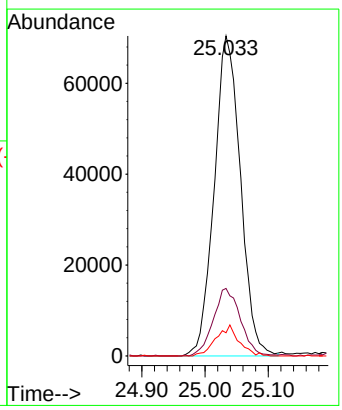
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

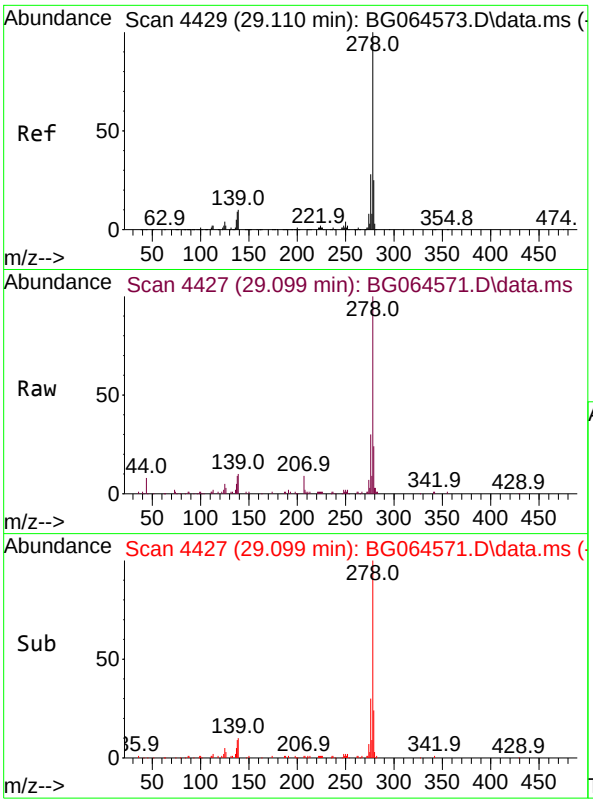


#90
Benzo(a)pyrene
Concen: 10.146 ng
RT: 25.033 min Scan# 3735
Delta R.T. -0.026 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:252 Resp: 202985

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.6	26.4
125	7.2	6.1	9.1

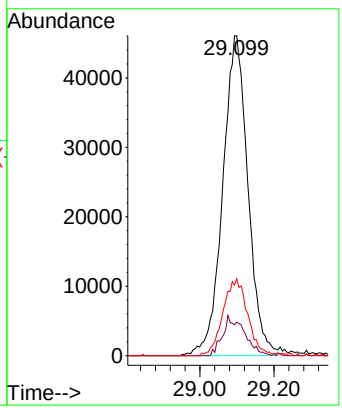




#91
Dibenzo(a,h)anthracene
Concen: 10.235 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:278 Resp: 21711

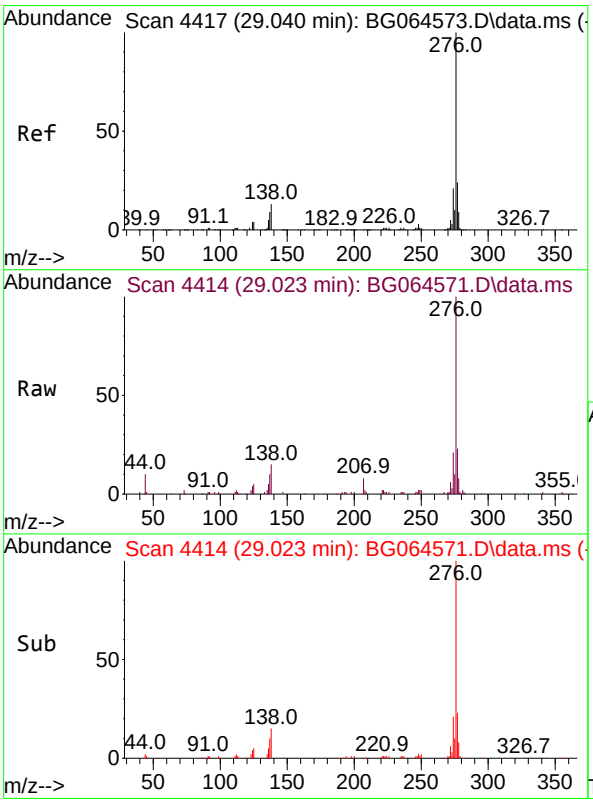
Ion	Ratio	Lower	Upper
278	100		
139	10.4	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

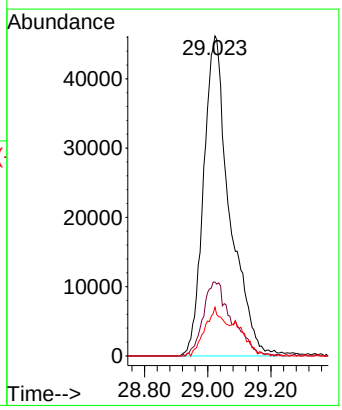
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 10.132 ng
RT: 29.023 min Scan# 4414
Delta R.T. -0.038 min
Lab File: BG064571.D
Acq: 24 Oct 2025 11:02

Tgt Ion:276 Resp: 264547

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	15.2	10.7	16.1



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.217	152	46818	20.000	ng		0.00
21) Naphthalene-d8	11.049	136	192551	20.000	ng		0.00
39) Acenaphthene-d10	14.845	164	147520	20.000	ng		0.00
64) Phenanthrene-d10	17.577	188	357228	20.000	ng		0.00
76) Chrysene-d12	21.854	240	408574	20.000	ng		0.00
86) Perylene-d12	25.198	264	430370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.744	112	108123	38.764	ng		0.00
7) Phenol-d6	7.348	99	146608	38.304	ng		0.00
23) Nitrobenzene-d5	9.381	82	121107	37.777	ng		0.00
42) 2,4,6-Tribromophenol	16.320	330	80231	37.682	ng		0.00
45) 2-Fluorobiphenyl	13.470	172	385251	39.584	ng		0.00
79) Terphenyl-d14	20.168	244	870741	40.219	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	24533	19.867	ng		99
3) Pyridine	3.999	79	72660	19.593	ng		96
4) n-Nitrosodimethylamine	3.905	42	37799	19.007	ng	#	90
6) Aniline	7.530	93	99762	19.155	ng		99
8) 2-Chlorophenol	7.777	128	56018	19.187	ng		93
9) Benzaldehyde	7.342	77	46540	22.273	ng		97
10) Phenol	7.377	94	81849	19.337	ng		97
11) bis(2-Chloroethyl)ether	7.530	93	99762	19.155	ng		97
12) 1,3-Dichlorobenzene	8.112	146	65241	19.415	ng		99
13) 1,4-Dichlorobenzene	8.259	146	67506	19.758	ng		94
14) 1,2-Dichlorobenzene	8.582	146	63867	19.380	ng		99
15) Benzyl Alcohol	8.447	79	59123	18.732	ng		96
16) 2,2'-oxybis(1-Chloropr...	8.740	45	158985	19.476	ng		97
17) 2-Methylphenol	8.447	107	30239	19.167	ng		94
18) Hexachloroethane	9.322	117	23663	19.735	ng		97
19) n-Nitroso-di-n-propyla...	9.022	70	52857	19.982	ng	#	94
20) 3+4-Methylphenols	8.969	107	74026	18.730	ng		94
22) Acetophenone	9.040	105	101737	19.328	ng		96
24) Nitrobenzene	9.422	77	66292	19.012	ng		95
25) Isophorone	9.951	82	148388	19.290	ng		98
26) 2-Nitrophenol	10.145	139	21166	17.837	ng		92
27) 2,4-Dimethylphenol	10.192	122	54972	18.834	ng		90
28) bis(2-Chloroethoxy)met...	10.432	93	85225	19.458	ng		97
29) 2,4-Dichlorophenol	10.679	162	60695	19.710	ng		96
30) 1,2,4-Trichlorobenzene	10.908	180	67078	19.171	ng		97
31) Naphthalene	11.096	128	208734	19.552	ng		99
32) Benzoic acid	10.274	122	27545m	18.129	ng		
33) 4-Chloroaniline	11.190	127	79067	19.055	ng		96
34) Hexachlorobutadiene	11.390	225	54233	19.820	ng		98
35) Caprolactam	11.931	113	22010	18.635	ng		93
36) 4-Chloro-3-methylphenol	12.289	107	69582	18.798	ng		92
37) 2-Methylnaphthalene	12.689	142	153445	19.577	ng		97
38) 1-Methylnaphthalene	12.906	142	149456	19.379	ng		97
40) 1,2,4,5-Tetrachloroben...	13.053	216	95653	19.320	ng		99
41) Hexachlorocyclopentadiene	13.035	237	41178	18.479	ng		97
43) 2,4,6-Trichlorophenol	13.276	196	55295	19.525	ng		95

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 24 17:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.347	196	64753	19.814	ng		93
46) 1,1'-Biphenyl	13.682	154	206656	19.705	ng		94
47) 2-Chloronaphthalene	13.729	162	155356	19.625	ng		99
48) 2-Nitroaniline	13.911	65	40854	17.565	ng		98
49) Acenaphthylene	14.563	152	242914	19.454	ng		98
50) Dimethylphthalate	14.281	163	219575	19.452	ng		99
51) 2,6-Dinitrotoluene	14.393	165	28427	17.440	ng		96
52) Acenaphthene	14.904	154	164542	19.287	ng		96
53) 3-Nitroaniline	14.722	138	37234	19.193	ng	#	99
54) 2,4-Dinitrophenol	14.921	184	16182	18.744	ng	#	29
55) Dibenzofuran	15.239	168	269419	19.534	ng		98
56) 4-Nitrophenol	15.009	139	31366	17.439	ng		90
57) 2,4-Dinitrotoluene	15.180	165	44209	17.427	ng	#	96
58) Fluorene	15.885	166	210426	19.536	ng		97
59) 2,3,4,6-Tetrachlorophenol	15.456	232	59314	18.980	ng		99
60) Diethylphthalate	15.644	149	223398	19.382	ng		99
61) 4-Chlorophenyl-phenyle...	15.873	204	116865	19.333	ng		98
62) 4-Nitroaniline	15.879	138	42261	19.582	ng		99
63) Azobenzene	16.161	77	203101	19.205	ng		99
65) 4,6-Dinitro-2-methylph...	15.944	198	22843	18.316	ng		92
66) n-Nitrosodiphenylamine	16.079	169	187560	19.437	ng		98
67) 4-Bromophenyl-phenylether	16.766	248	82311	19.444	ng		98
68) Hexachlorobenzene	16.890	284	93647	19.391	ng		96
69) Atrazine	17.019	200	88832	21.392	ng		95
70) Pentachlorophenol	17.219	266	54275	18.022	ng		88
71) Phenanthrene	17.618	178	383359	19.624	ng		99
72) Anthracene	17.712	178	393312	19.792	ng		100
73) Carbazole	17.971	167	350722	20.014	ng		99
74) Di-n-butylphthalate	18.529	149	421239	20.788	ng		100
75) Fluoranthene	19.616	202	492924	20.142	ng		99
77) Benzidine	19.780	184	194070	21.201	ng		99
78) Pyrene	19.974	202	524431	19.646	ng		99
80) Butylbenzylphthalate	20.856	149	158394	19.633	ng		97
81) Benzo(a)anthracene	21.837	228	528009	19.490	ng		100
82) 3,3'-Dichlorobenzidine	21.737	252	174803	19.323	ng		99
83) Chrysene	21.901	228	502125	19.479	ng		97
84) Bis(2-ethylhexyl)phtha...	21.749	149	237524	19.703	ng		100
85) Di-n-octyl phthalate	23.012	149	380895	18.740	ng		99
87) Indeno(1,2,3-cd)pyrene	29.028	276	606702	19.163	ng		99
88) Benzo(b)fluoranthene	24.134	252	503145	19.066	ng		98
89) Benzo(k)fluoranthene	24.205	252	518915	19.650	ng		99
90) Benzo(a)pyrene	25.039	252	470556	19.398	ng		98
91) Dibenzo(a,h)anthracene	29.099	278	498395	19.377	ng		97
92) Benzo(g,h,i)perylene	29.028	276	606702	19.163	ng		100

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

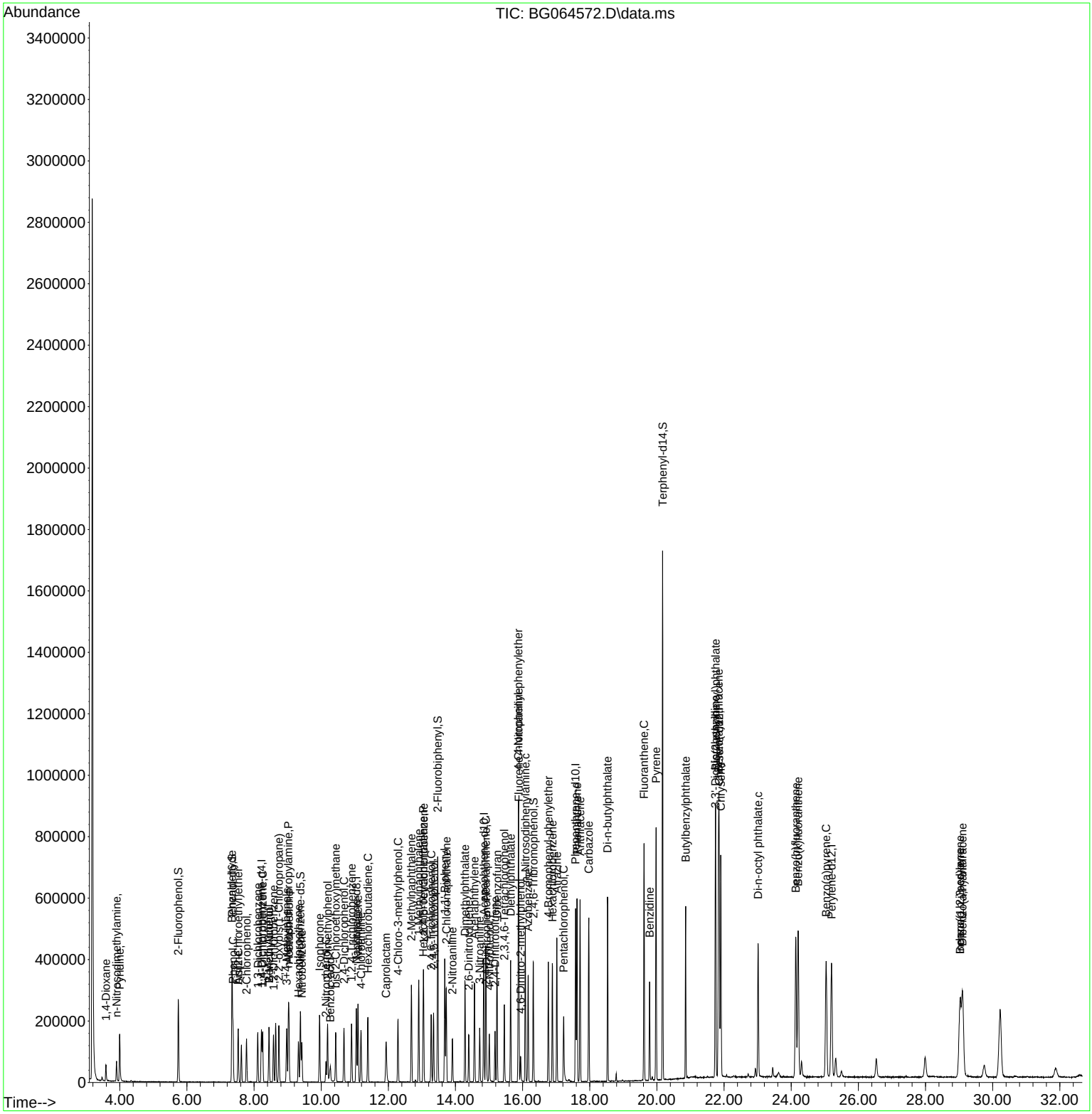
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064572.D
Acq On : 24 Oct 2025 12:23
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

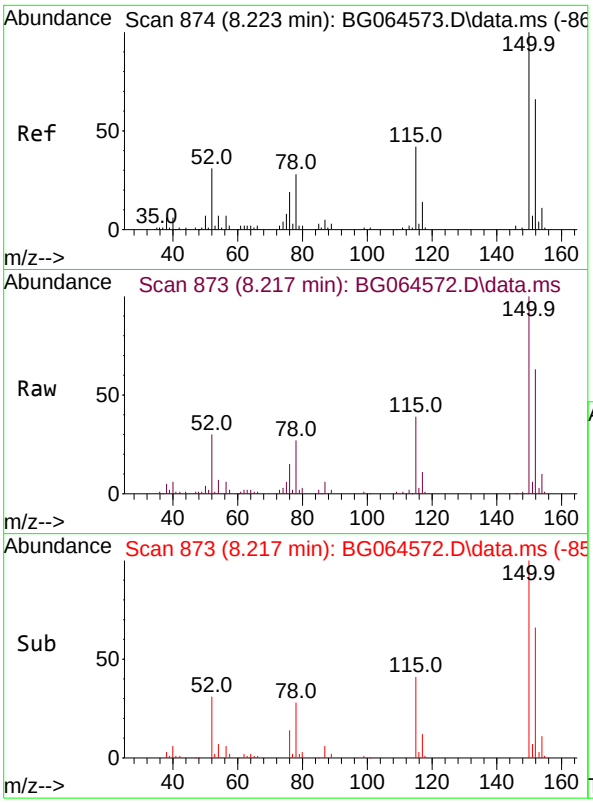
Quant Time: Oct 24 17:11:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

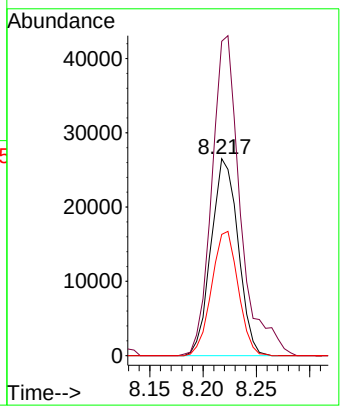




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.217 min Scan# 8
Delta R.T. -0.004 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 4681

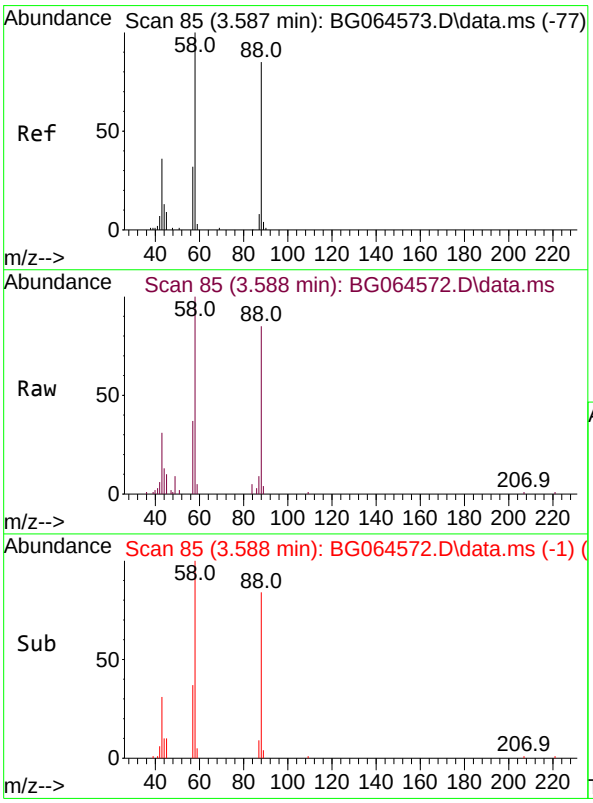
Ion	Ratio	Lower	Upper
152	100		
150	159.6	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

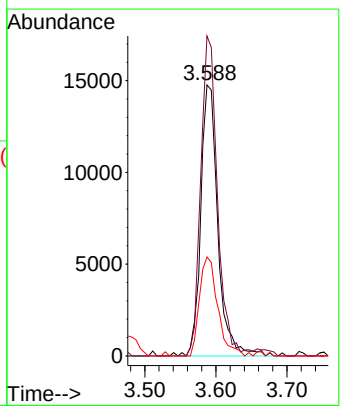
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

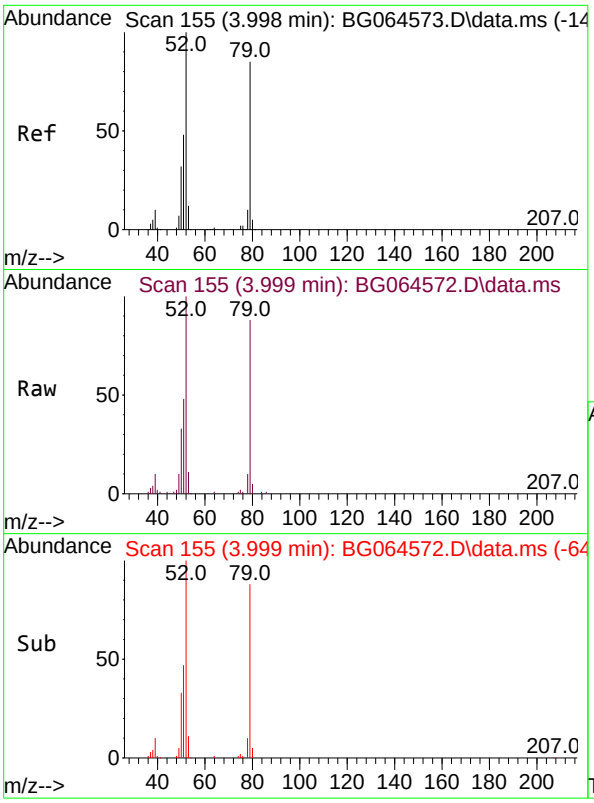


#2
1,4-Dioxane
Concen: 19.867 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 88 Resp: 24533

Ion	Ratio	Lower	Upper
88	100		
58	114.9	92.4	138.6
43	38.9	33.0	49.6

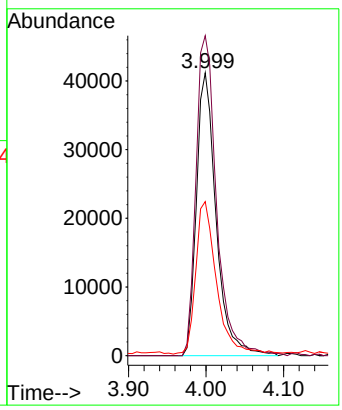




#3
Pyridine
Concen: 19.593 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 79 Resp: 7266

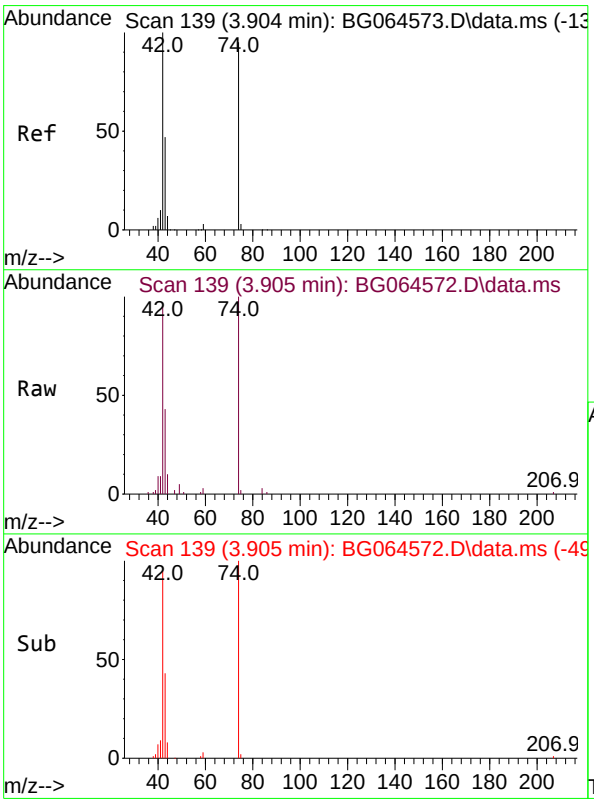
Ion	Ratio	Lower	Upper
79	100		
52	113.1	94.2	141.2
51	54.4	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

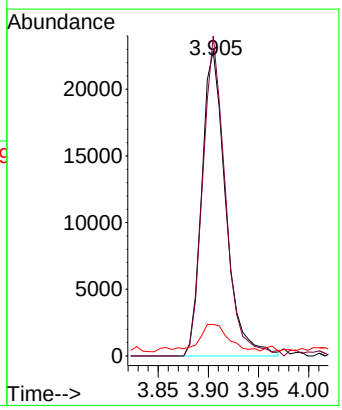
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

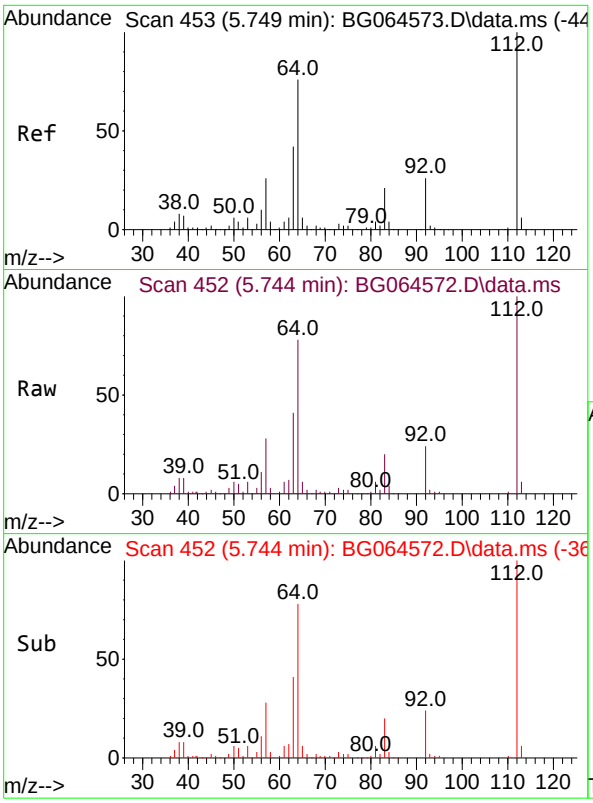


#4
n-Nitrosodimethylamine
Concen: 19.007 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 42 Resp: 37799

Ion	Ratio	Lower	Upper
42	100		
74	105.0	76.1	114.1
44	10.3	6.3	9.5#

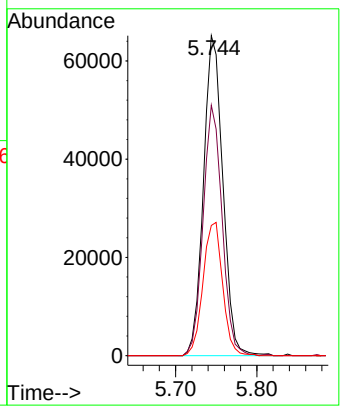




#5
2-Fluorophenol
Concen: 38.764 ng
RT: 5.744 min Scan# 4
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:112 Resp: 10812

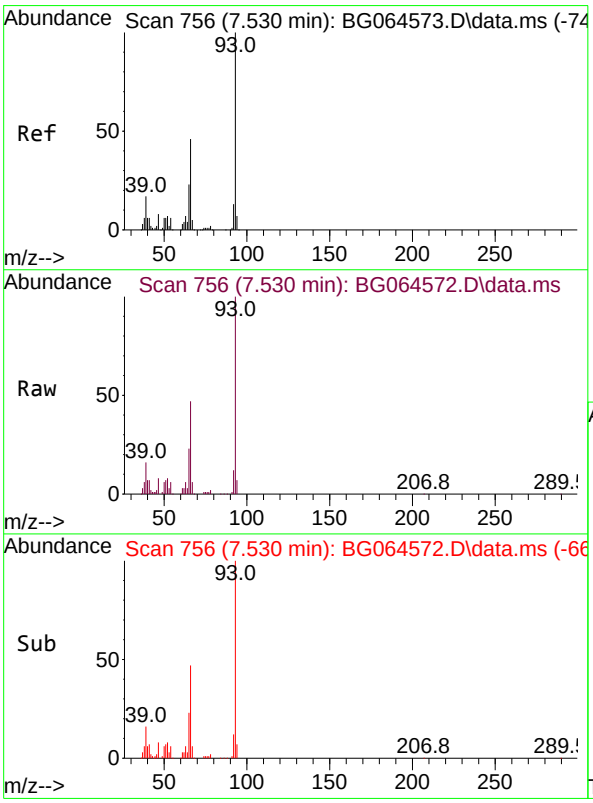
Ion	Ratio	Lower	Upper
112	100		
64	78.2	60.7	91.1
63	40.7	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

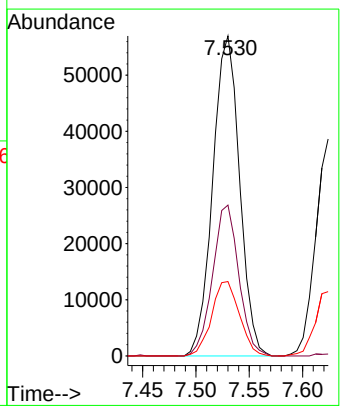
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

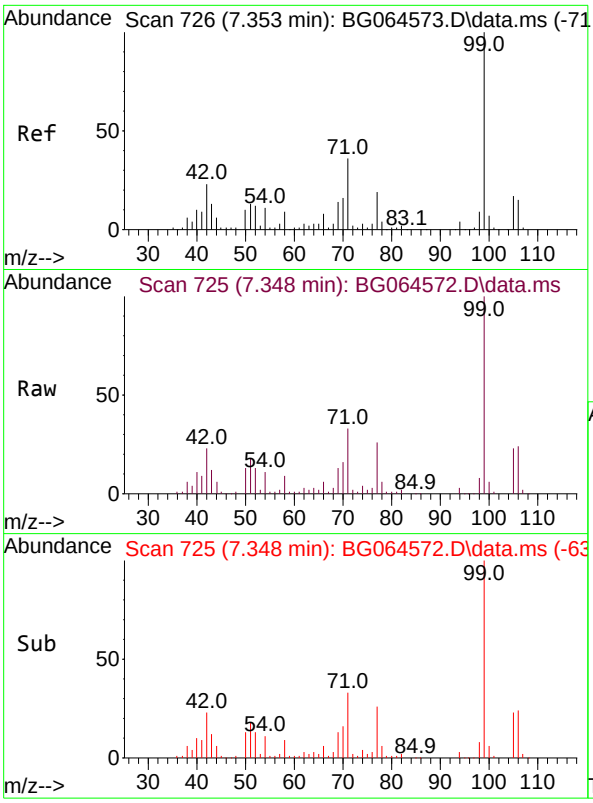


#6
Aniline
Concen: 19.155 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 99762

Ion	Ratio	Lower	Upper
93	100		
66	47.2	37.0	55.6
65	23.2	18.3	27.5

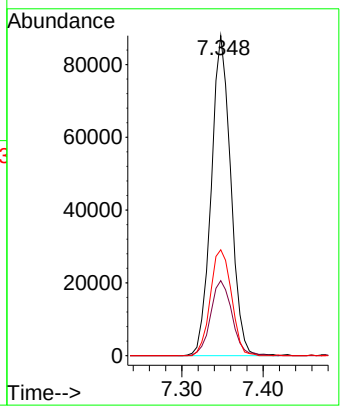




#7
Phenol-d6
Concen: 38.304 ng
RT: 7.348 min Scan# 7
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 99 Resp: 14660

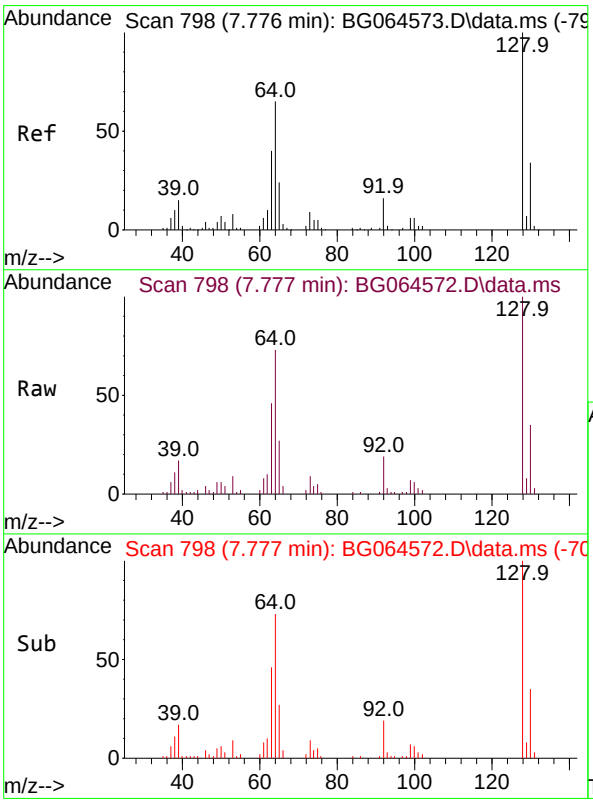
Ion	Ratio	Lower	Upper
99	100		
42	23.4	18.3	27.5
71	33.1	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

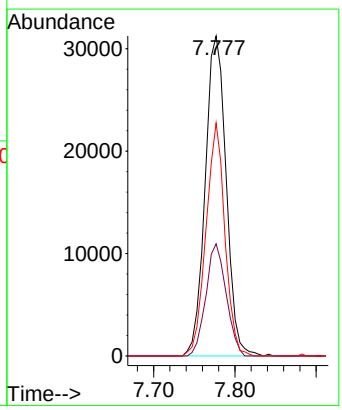
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

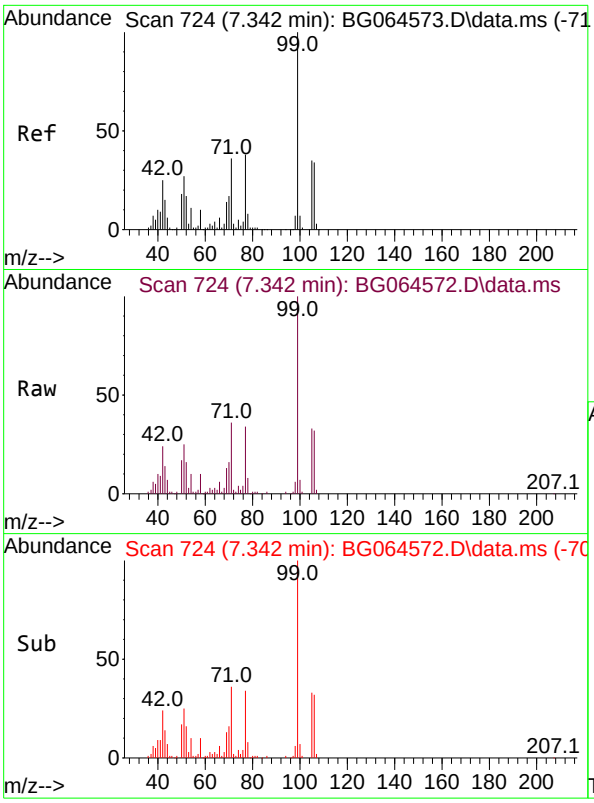


#8
2-Chlorophenol
Concen: 19.187 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 56018

Ion	Ratio	Lower	Upper
128	100		
130	35.0	13.5	53.5
64	72.8	45.2	85.2

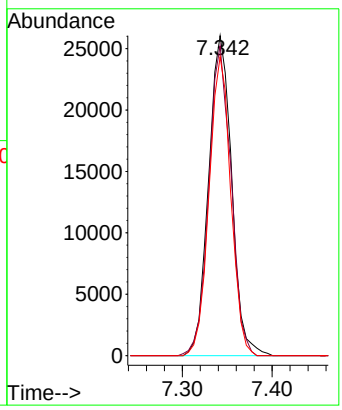




#9
Benzaldehyde
Concen: 22.273 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 4654

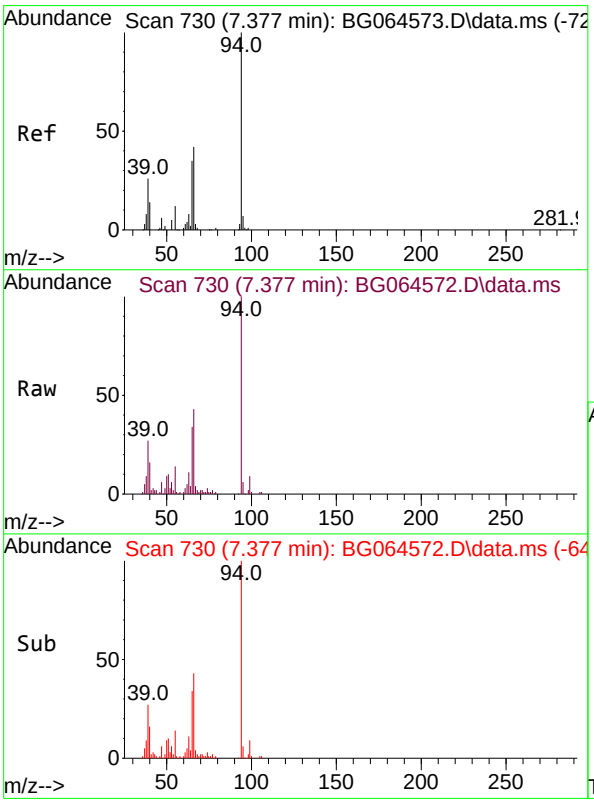
Ion	Ratio	Lower	Upper
77	100		
105	96.8	72.9	112.9
106	93.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

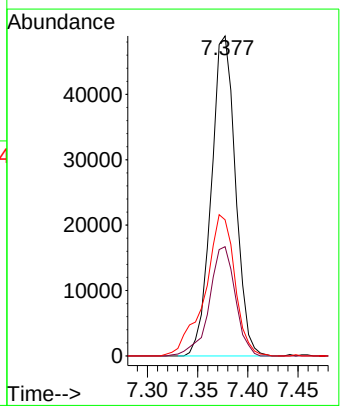
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

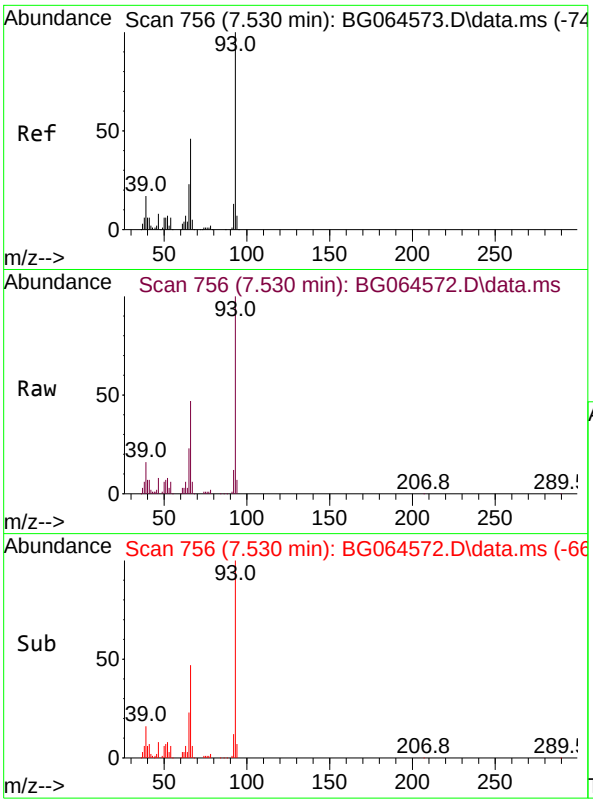


#10
Phenol
Concen: 19.337 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 94 Resp: 81849

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	42.5	24.0	64.0

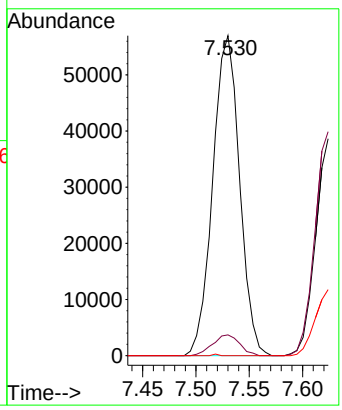




#11
bis(2-Chloroethyl)ether
Concen: 19.155 ng
RT: 7.530 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 9976

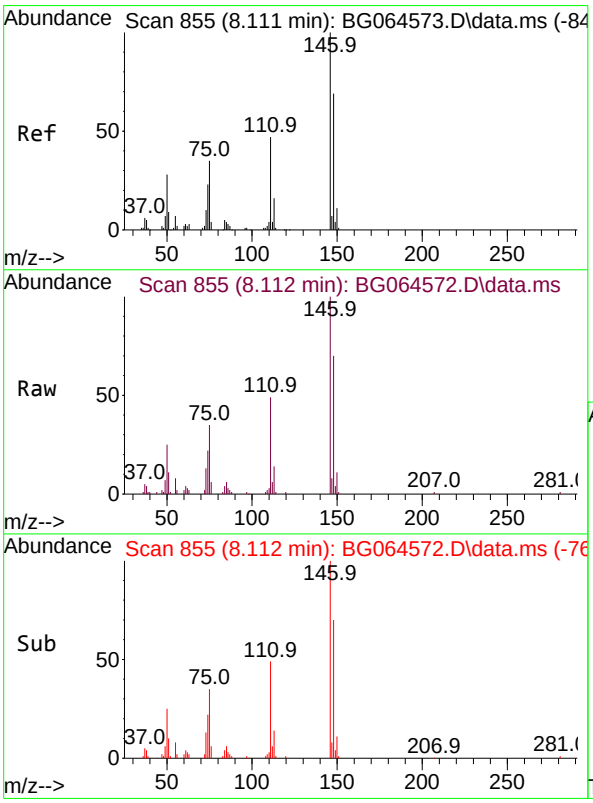
Ion	Ratio	Lower	Upper
93	100		
63	6.5	0.0	27.4
95	0.0	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

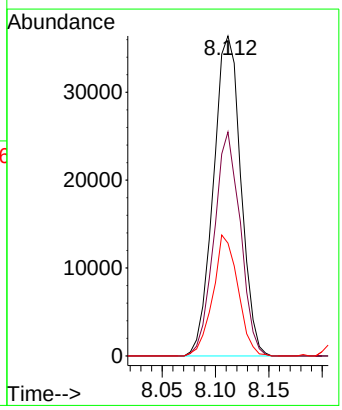
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

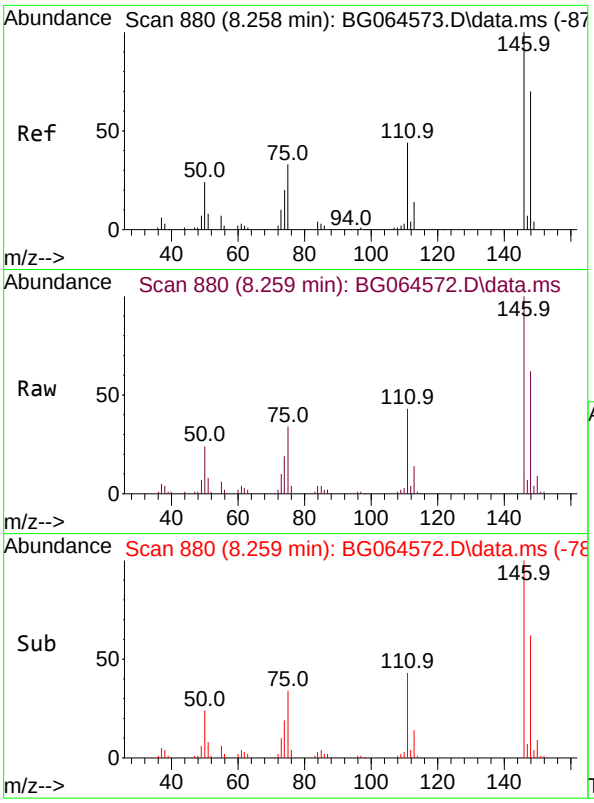


#12
1,3-Dichlorobenzene
Concen: 19.415 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 65241

Ion	Ratio	Lower	Upper
146	100		
148	70.0	55.3	82.9
75	35.2	28.2	42.2

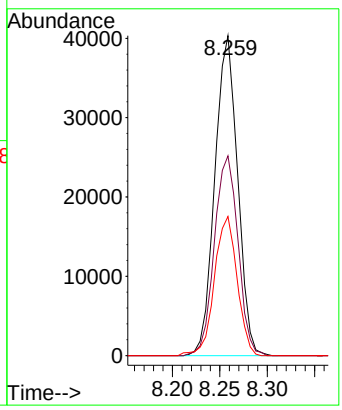




#13
1,4-Dichlorobenzene
Concen: 19.758 ng
RT: 8.259 min Scan# 88
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 6750

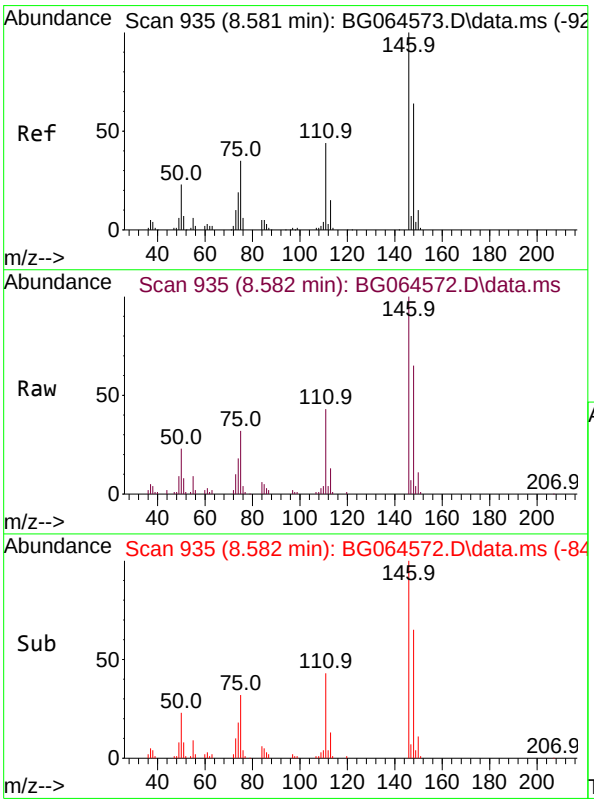
Ion	Ratio	Lower	Upper
146	100		
148	62.4	56.2	84.4
111	43.5	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

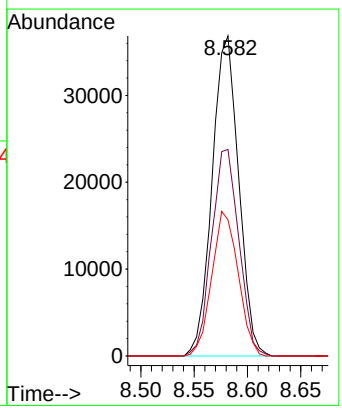
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

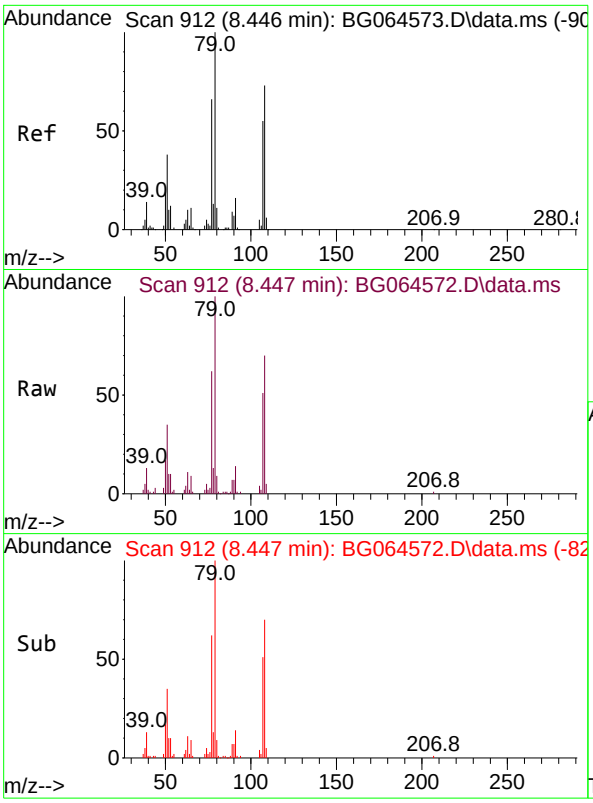


#14
1,2-Dichlorobenzene
Concen: 19.380 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:146 Resp: 63867

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.5	77.3
111	42.5	35.0	52.6





#15
Benzyl Alcohol
Concen: 18.732 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

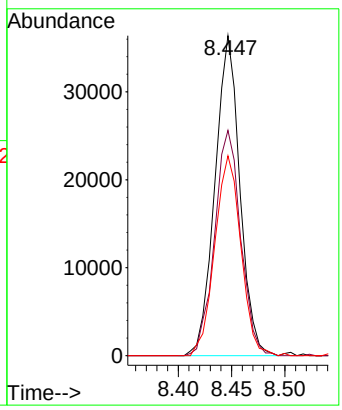
Tgt Ion: 79 Resp: 5912

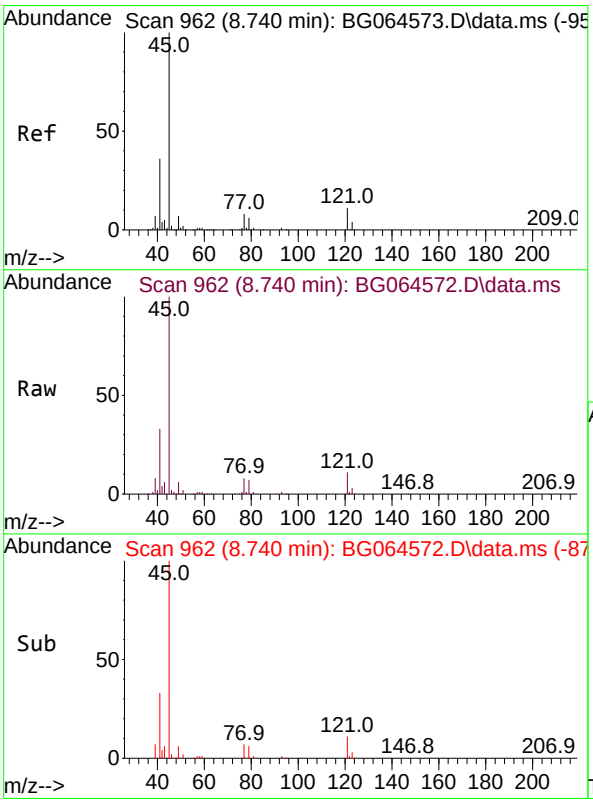
Ion	Ratio	Lower	Upper
79	100		
108	70.4	58.1	87.1
77	62.4	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

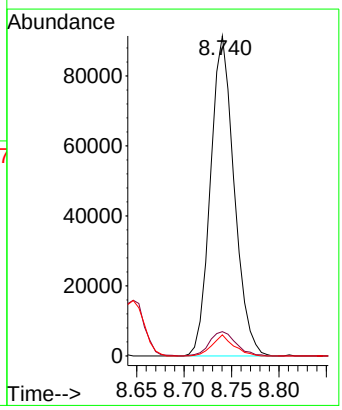


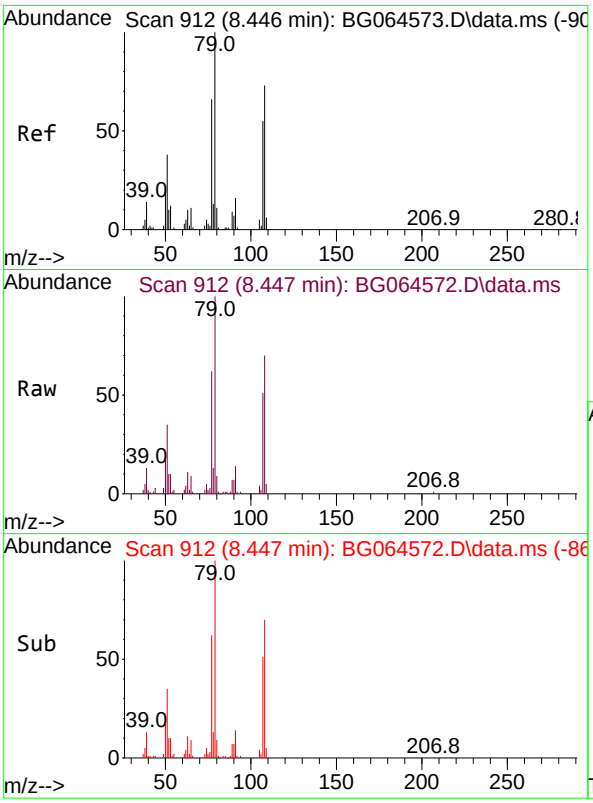


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.476 ng
RT: 8.740 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 45 Resp: 158985

Ion	Ratio	Lower	Upper
45	100		
77	7.6	0.0	28.5
79	6.6	0.0	25.6

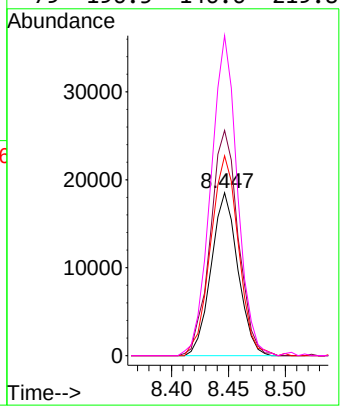




#17
2-Methylphenol
Concen: 19.167 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 3023

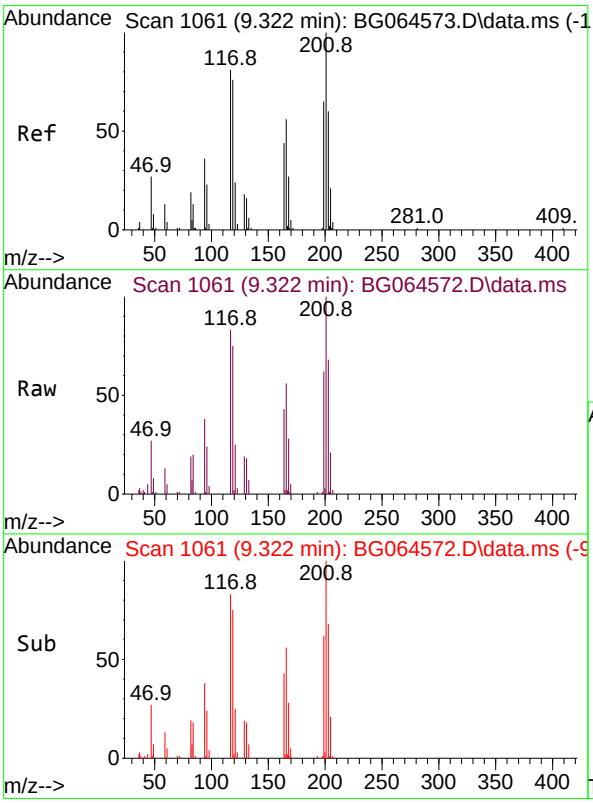
Ion	Ratio	Lower	Upper
107	100		
108	138.3	106.4	159.6
77	122.7	96.7	145.1
79	196.5	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

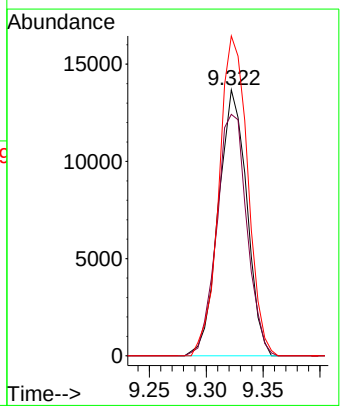
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

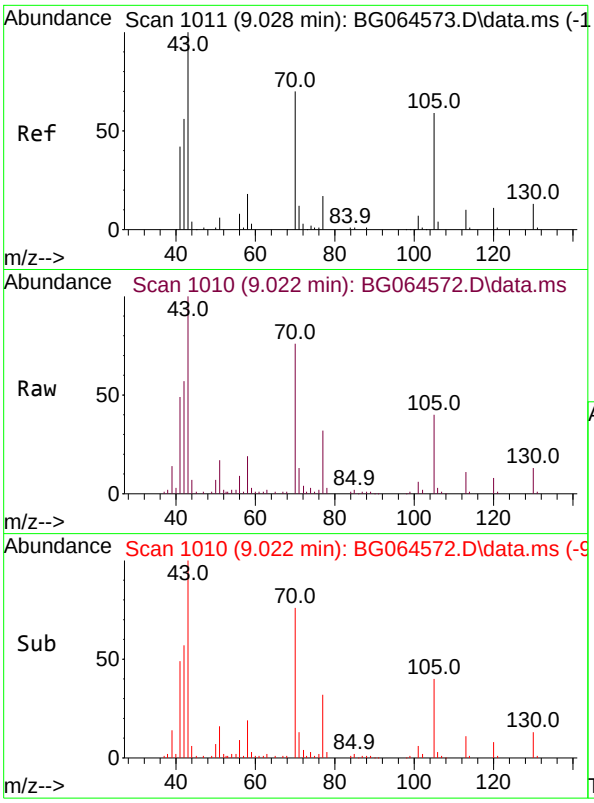


#18
Hexachloroethane
Concen: 19.735 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:117 Resp: 23663

Ion	Ratio	Lower	Upper
117	100		
119	90.8	75.4	113.2
201	120.3	99.2	148.8

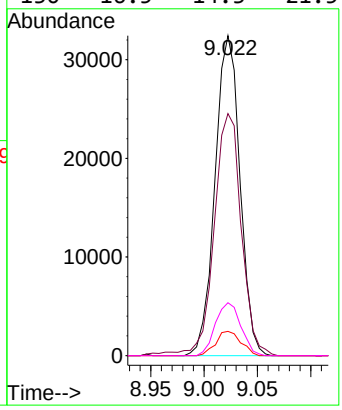




#19
n-Nitroso-di-n-propylamine
Concen: 19.982 ng
RT: 9.022 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 70 Resp: 5285

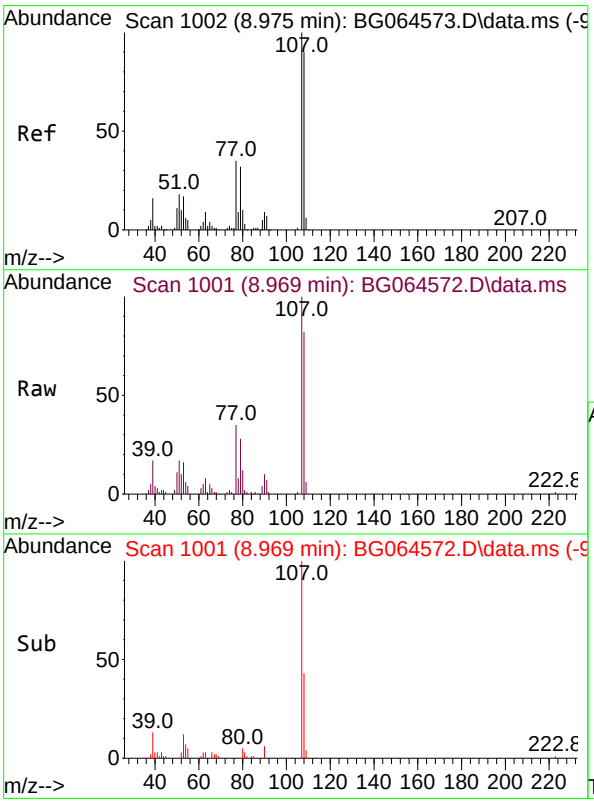
Ion	Ratio	Lower	Upper
70	100		
42	75.6	65.2	97.8
101	7.6	7.9	11.9#
130	16.5	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

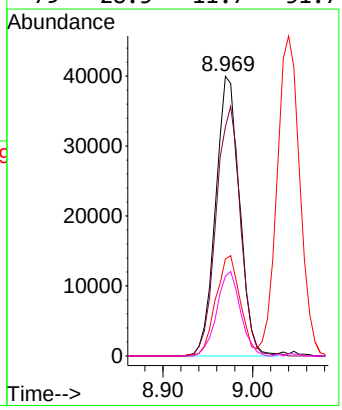
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

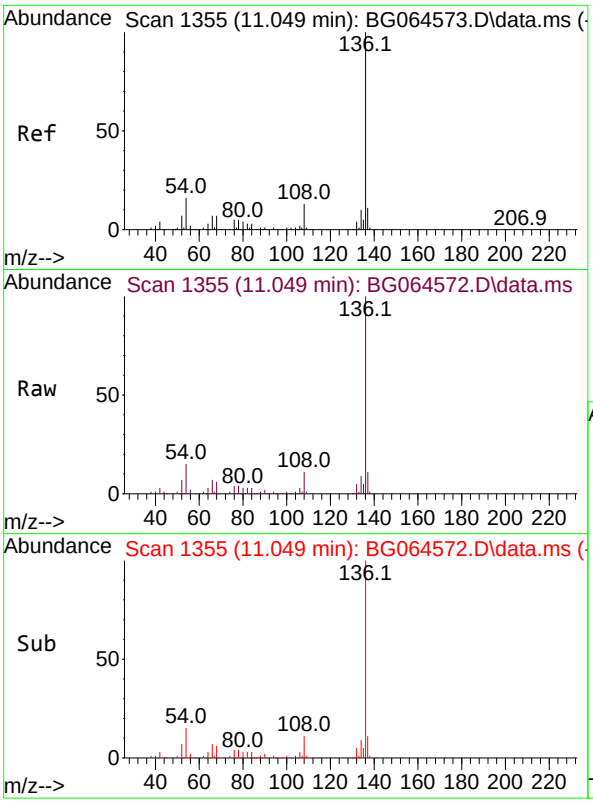


#20
3+4-Methylphenols
Concen: 18.730 ng
RT: 8.969 min Scan# 1001
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 74026

Ion	Ratio	Lower	Upper
107	100		
108	81.9	70.3	110.3
77	34.6	14.6	54.6
79	28.5	11.7	51.7

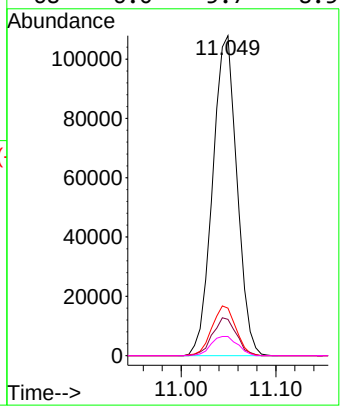




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:136 Resp: 19255

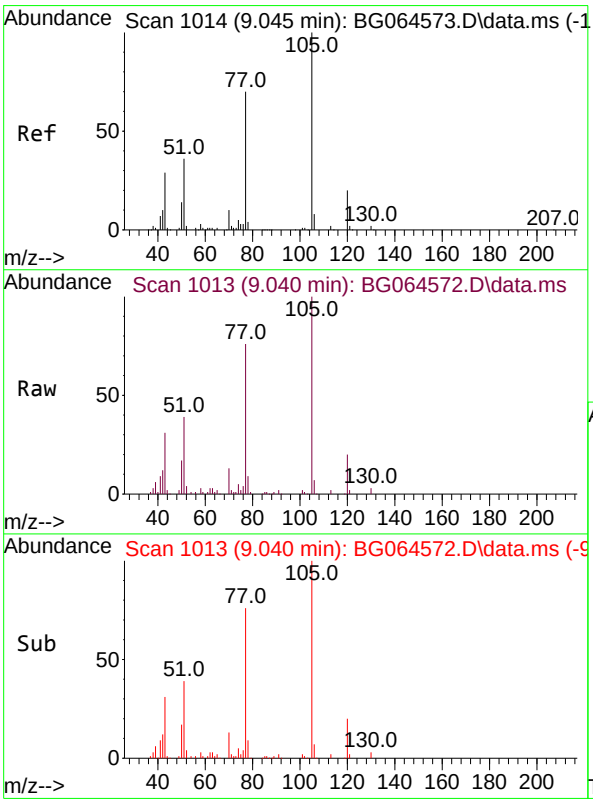
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	14.8	12.6	19.0
68	6.0	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

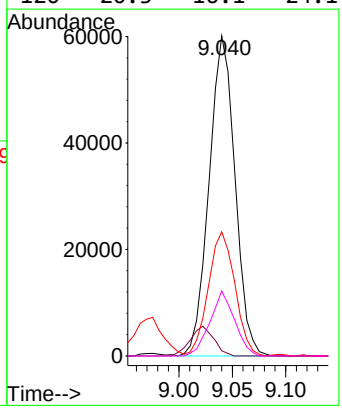
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

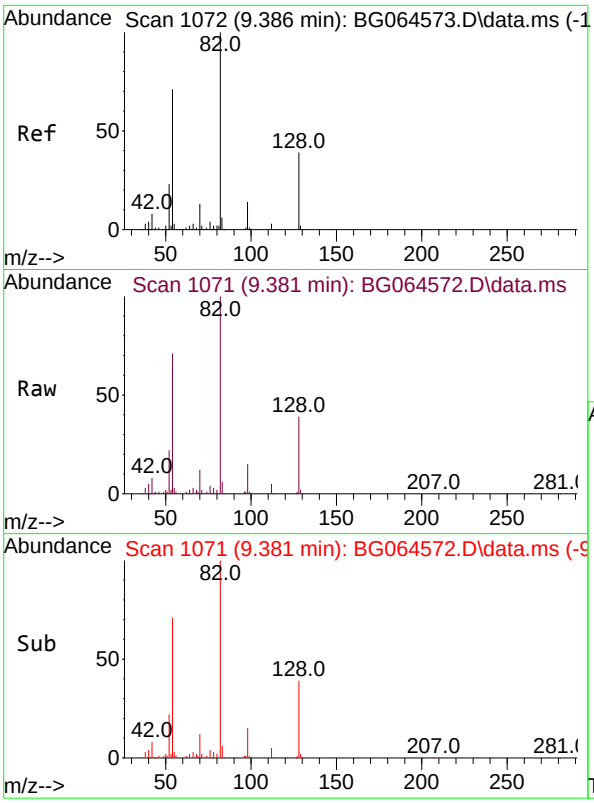


#22
Acetophenone
Concen: 19.328 ng
RT: 9.040 min Scan# 1013
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:105 Resp: 101737

Ion	Ratio	Lower	Upper
105	100		
71	1.6	1.5	2.3
51	38.8	33.7	50.5
120	20.3	16.1	24.1

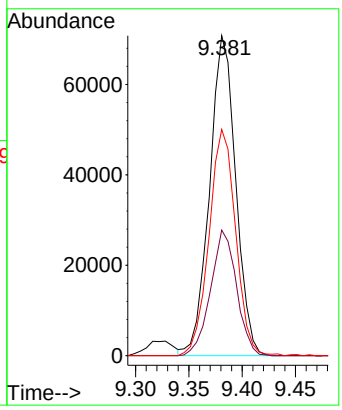




#23
Nitrobenzene-d5
Concen: 37.777 ng
RT: 9.381 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 12110

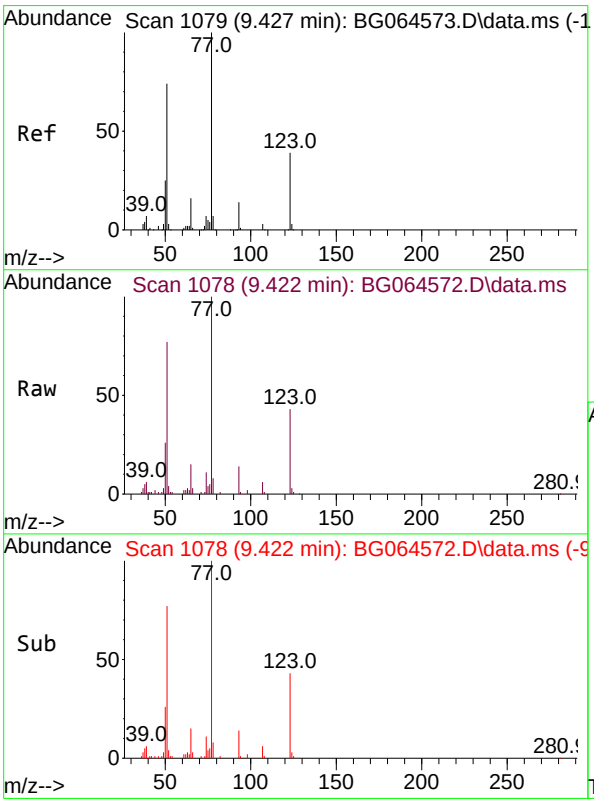
Ion	Ratio	Lower	Upper
82	100		
128	39.2	31.3	46.9
54	70.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

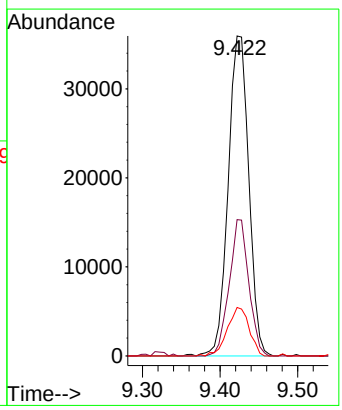
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

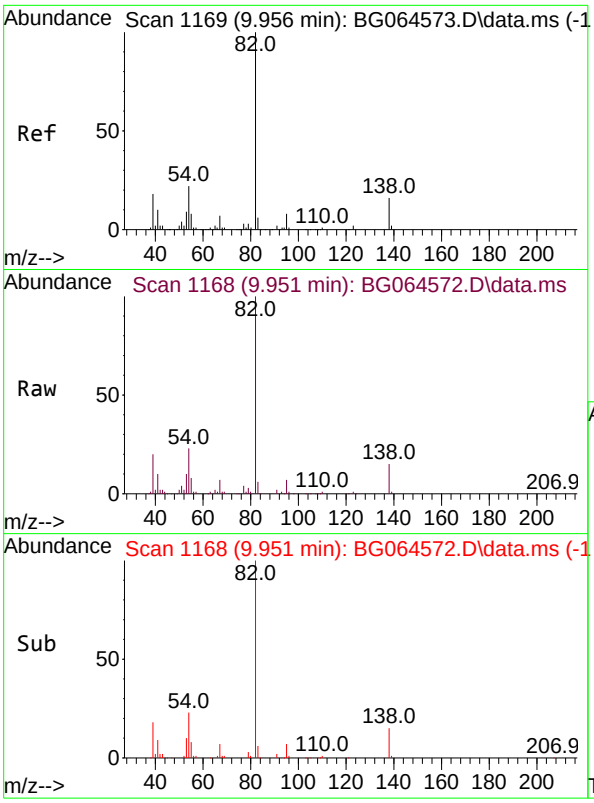


#24
Nitrobenzene
Concen: 19.012 ng
RT: 9.422 min Scan# 1078
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 66292

Ion	Ratio	Lower	Upper
77	100		
123	42.6	31.0	46.6
65	15.1	12.7	19.1

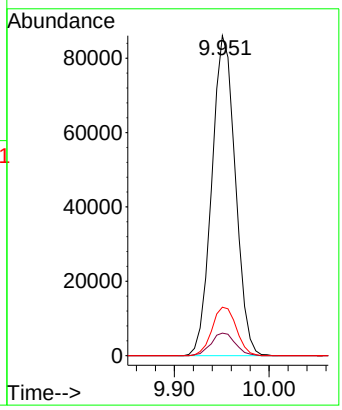




#25
Isophorone
Concen: 19.290 ng
RT: 9.951 min Scan# 11
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 82 Resp: 14838

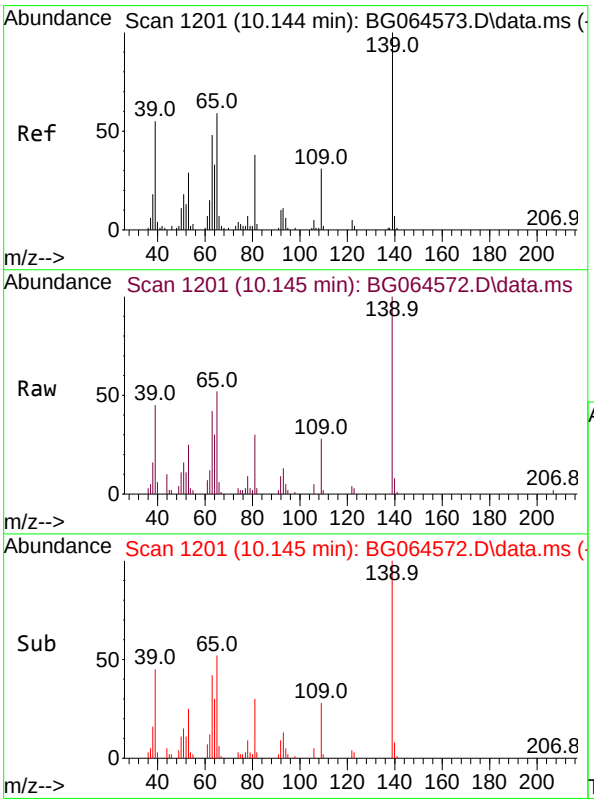
Ion	Ratio	Lower	Upper
82	100		
95	7.0	6.1	9.1
138	15.1	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

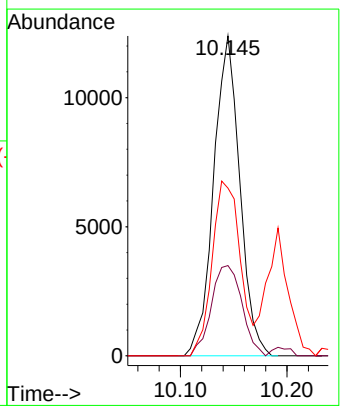
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

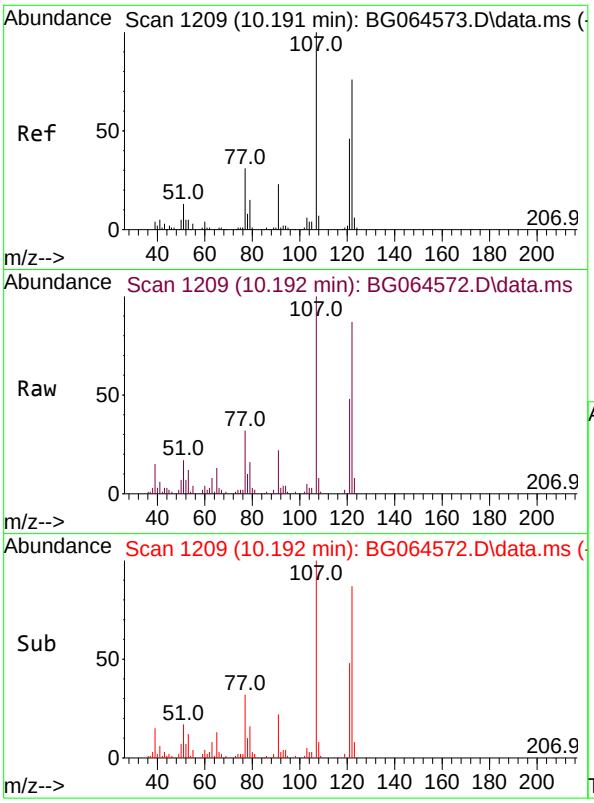


#26
2-Nitrophenol
Concen: 17.837 ng
RT: 10.145 min Scan# 1201
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 21166

Ion	Ratio	Lower	Upper
139	100		
109	28.2	24.6	37.0
65	52.4	47.5	71.3

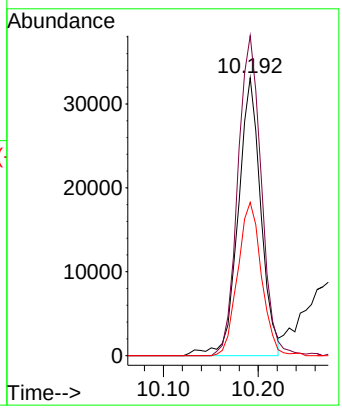




#27
2,4-Dimethylphenol
Concen: 18.834 ng
RT: 10.192 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 5497

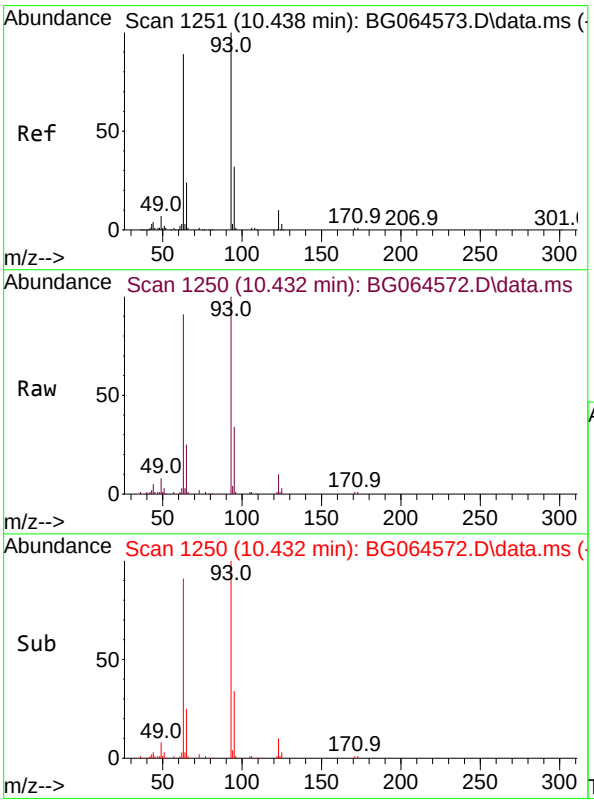
Ion	Ratio	Lower	Upper
122	100		
107	115.2	103.0	154.4
121	55.1	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

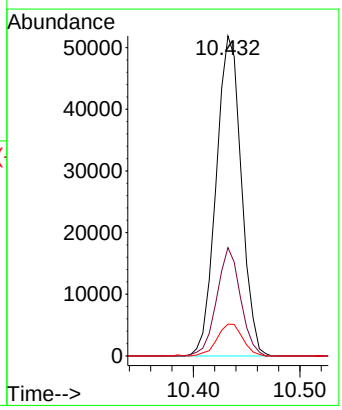
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

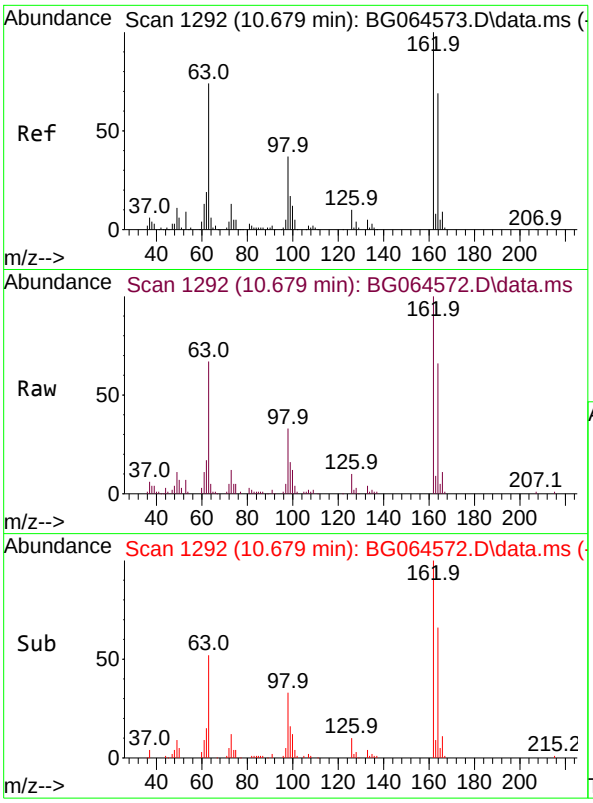


#28
bis(2-Chloroethoxy)methane
Concen: 19.458 ng
RT: 10.432 min Scan# 1250
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 93 Resp: 85225

Ion	Ratio	Lower	Upper
93	100		
95	33.8	25.4	38.2
123	9.9	8.4	12.6

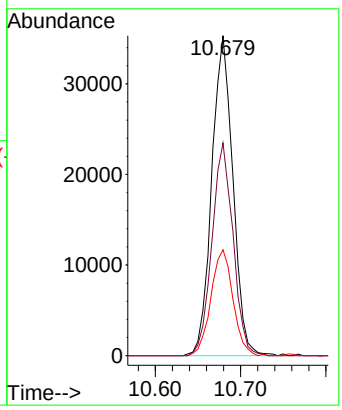




#29
2,4-Dichlorophenol
Concen: 19.710 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 6069

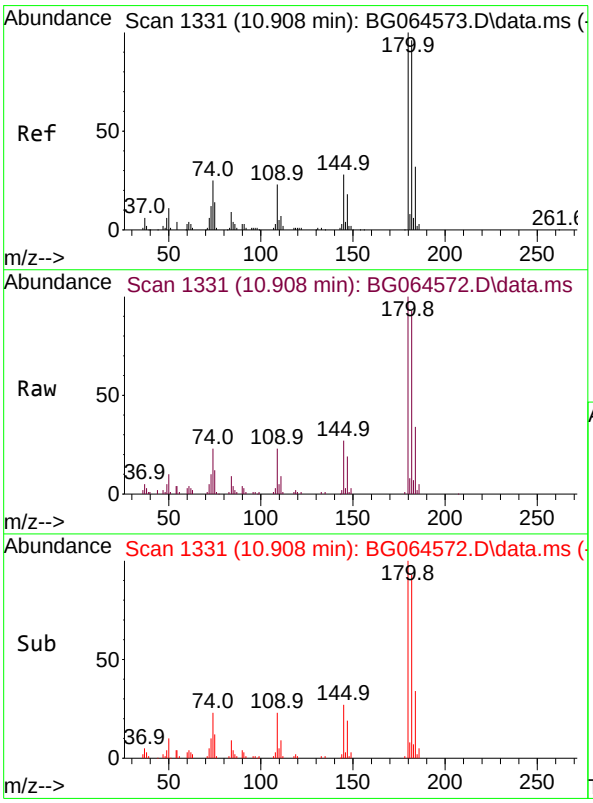
Ion	Ratio	Lower	Upper
162	100		
164	66.4	48.7	88.7
98	33.1	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

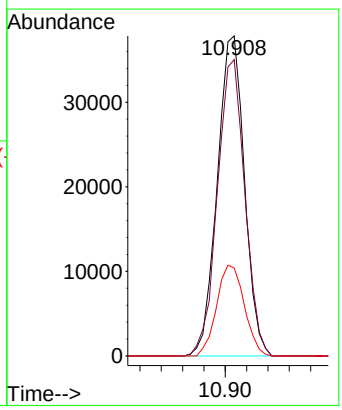
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

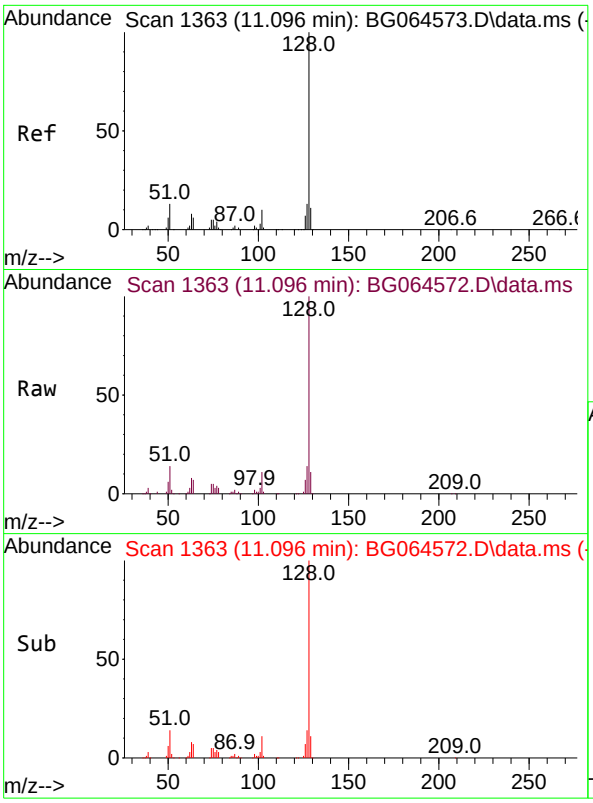


#30
1,2,4-Trichlorobenzene
Concen: 19.171 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:180 Resp: 67078

Ion	Ratio	Lower	Upper
180	100		
182	92.6	76.9	115.3
145	27.5	22.1	33.1

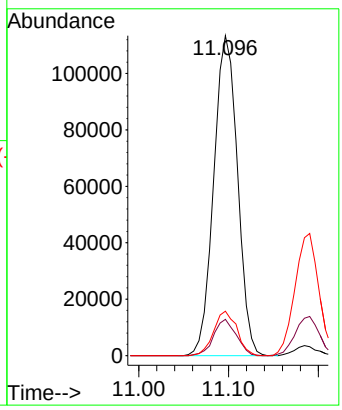




#31
Naphthalene
Concen: 19.552 ng
RT: 11.096 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:128 Resp: 20873

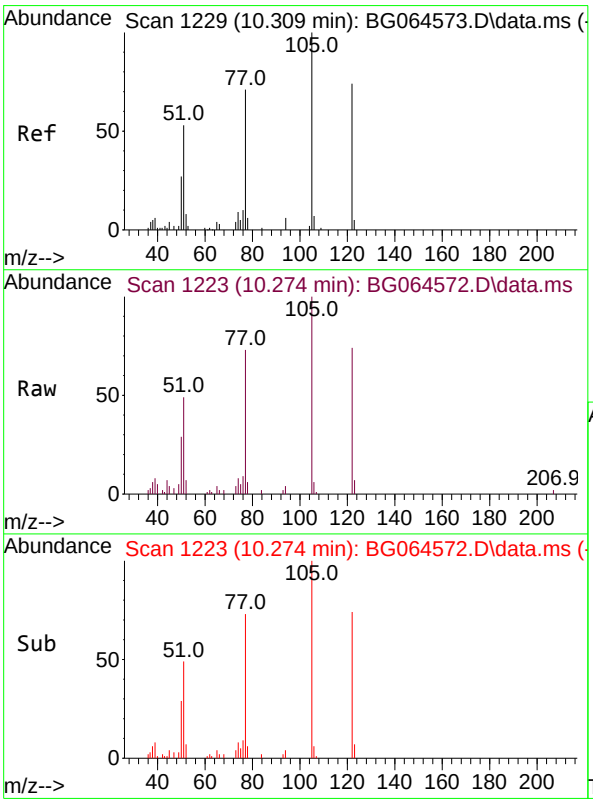
Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.9	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

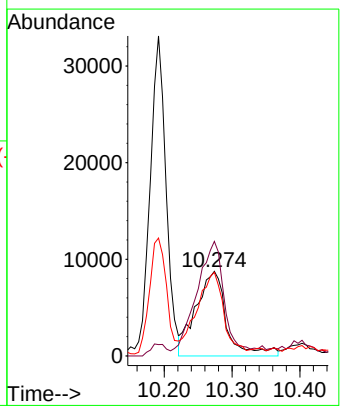
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

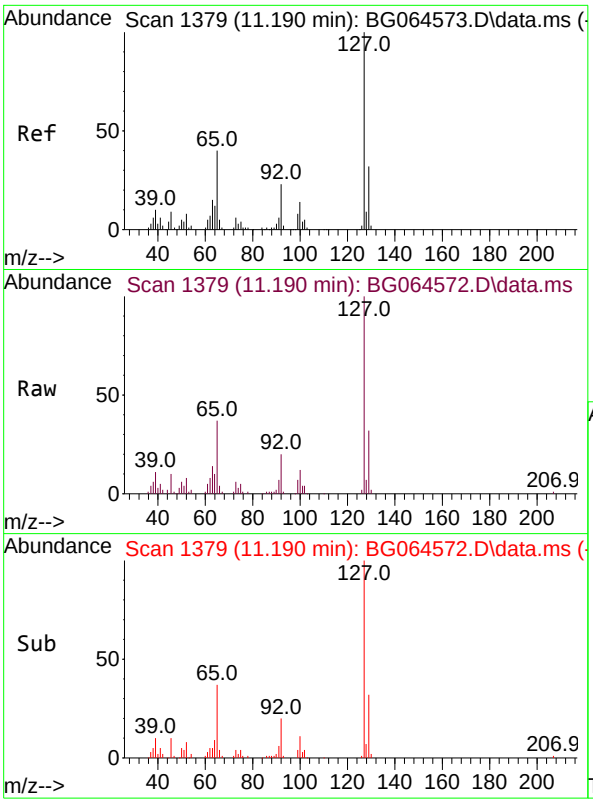


#32
Benzoic acid
Concen: 18.129 ng m
RT: 10.274 min Scan# 1223
Delta R.T. -0.068 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:122 Resp: 27545

Ion	Ratio	Lower	Upper
122	100		
105	135.4	104.2	144.2
77	99.0	70.2	110.2

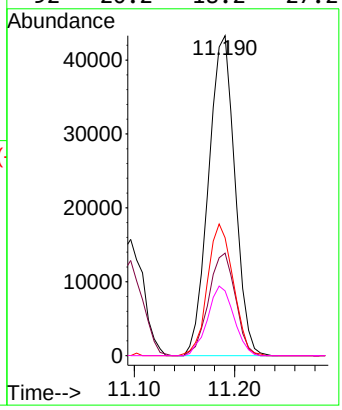




#33
4-Chloroaniline
Concen: 19.055 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:127 Resp: 7906

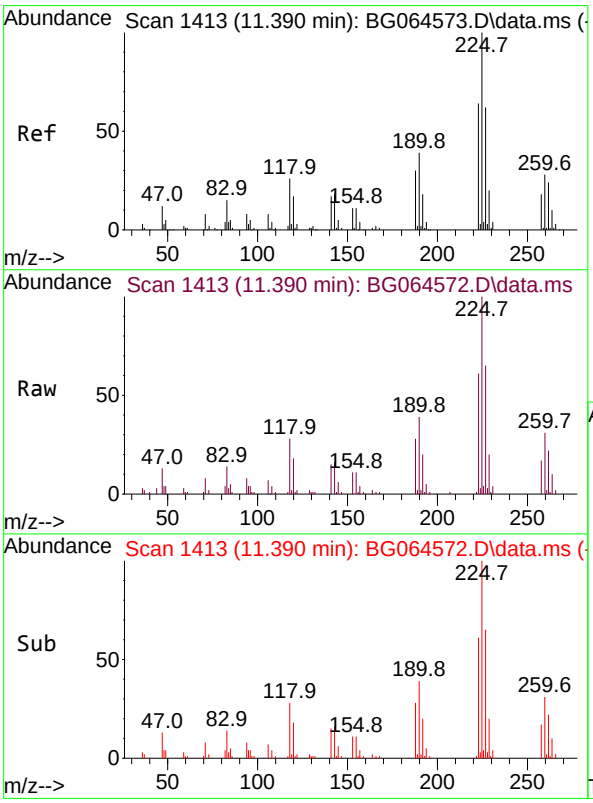
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.5	38.3
65	36.8	32.2	48.4
92	20.2	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

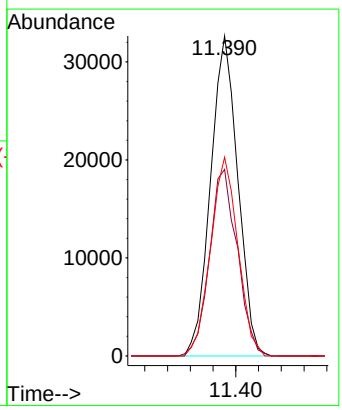
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

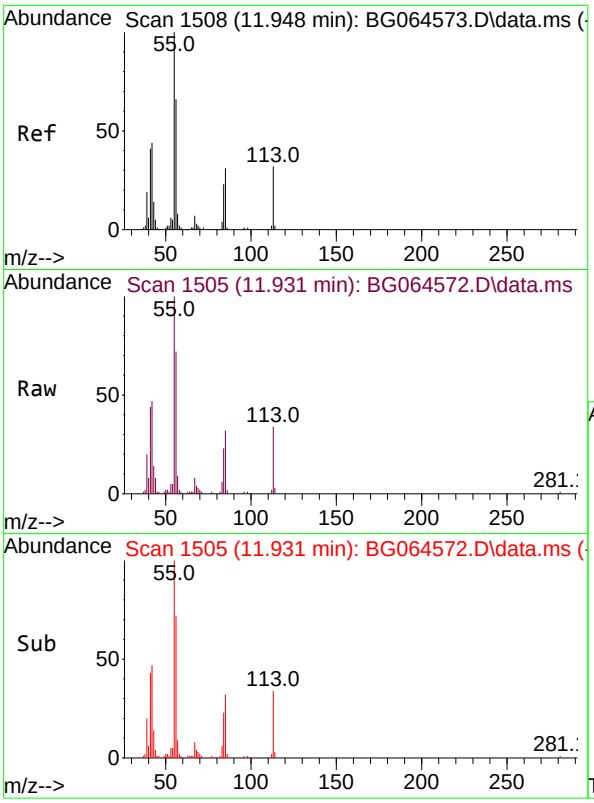


#34
Hexachlorobutadiene
Concen: 19.820 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:225 Resp: 54233

Ion	Ratio	Lower	Upper
225	100		
223	58.3	48.8	73.2
227	62.1	49.5	74.3

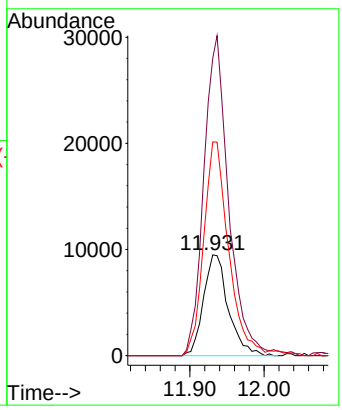




#35
Caprolactam
Concen: 18.635 ng
RT: 11.931 min Scan# 1
Delta R.T. -0.044 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:113 Resp: 2201

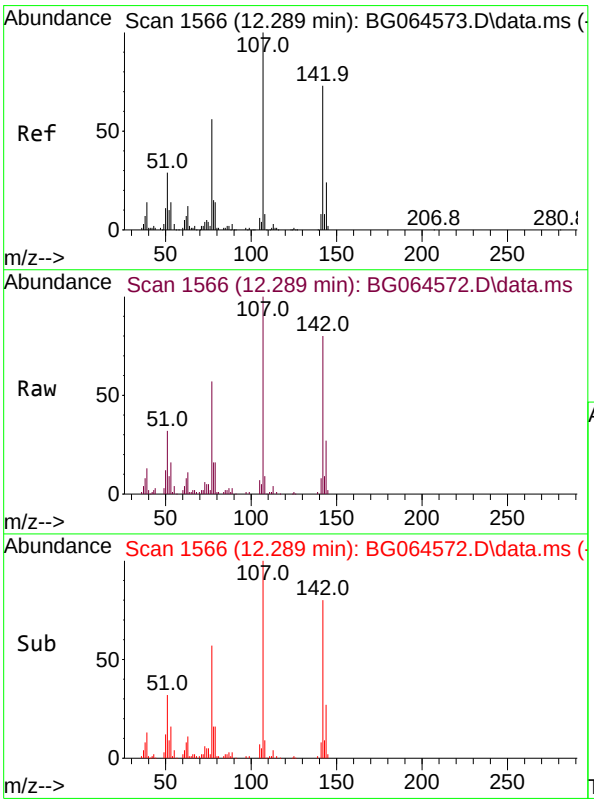
Ion	Ratio	Lower	Upper
113	100		
55	295.5	290.1	330.1
56	212.3	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

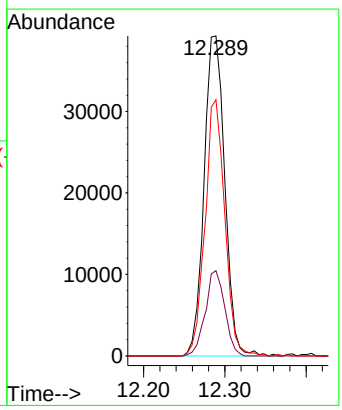
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

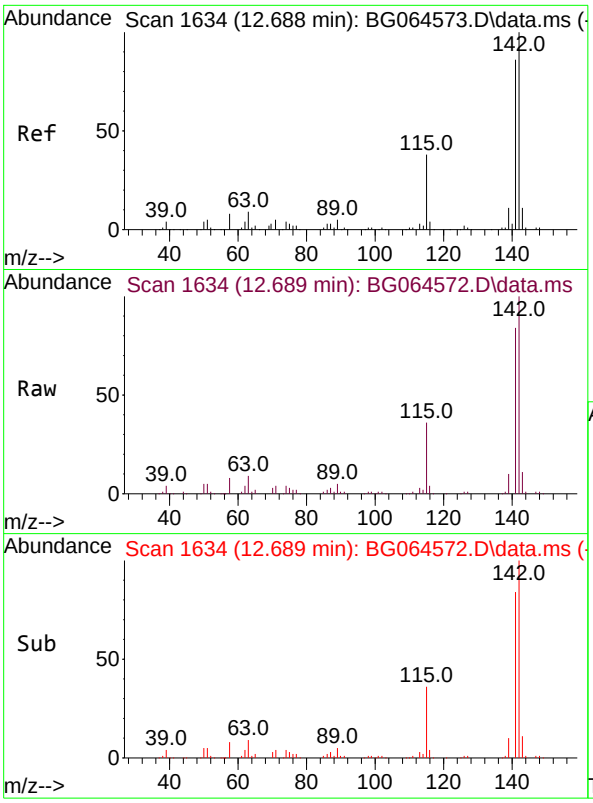


#36
4-Chloro-3-methylphenol
Concen: 18.798 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:107 Resp: 69582

Ion	Ratio	Lower	Upper
107	100		
144	26.6	19.1	28.7
142	80.0	58.6	87.8

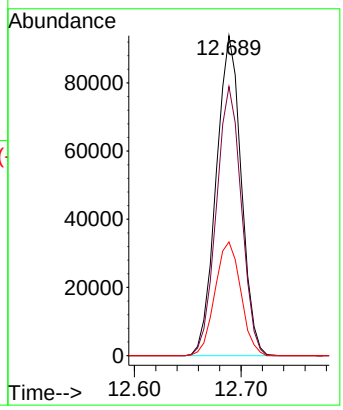




#37
2-Methylnaphthalene
Concen: 19.577 ng
RT: 12.689 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 15344

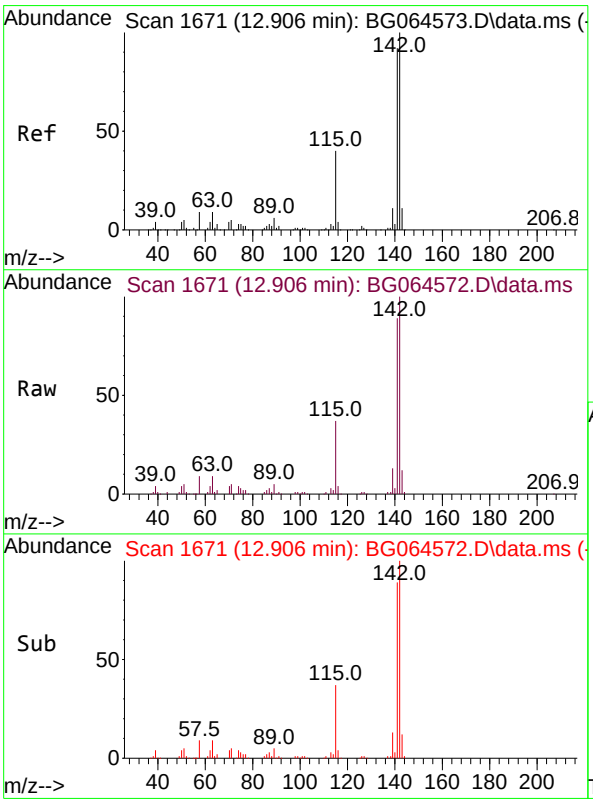
Ion	Ratio	Lower	Upper
142	100		
141	84.1	68.9	103.3
115	35.5	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

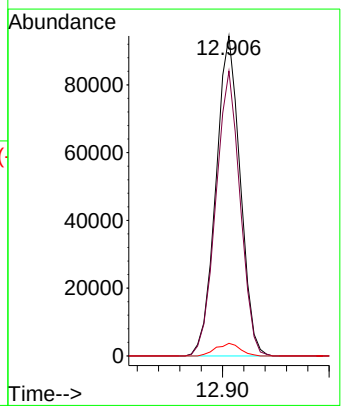
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

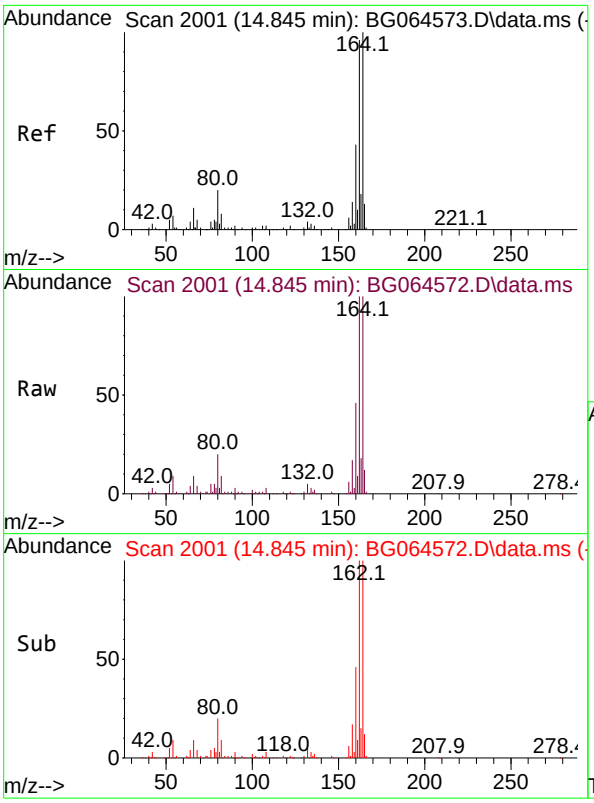


#38
1-Methylnaphthalene
Concen: 19.379 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:142 Resp: 149456

Ion	Ratio	Lower	Upper
142	100		
141	89.0	73.3	109.9
116	3.9	3.1	4.7

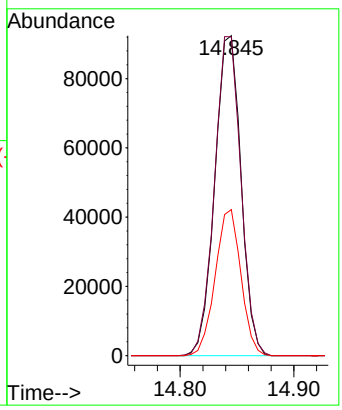




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:164 Resp: 14752

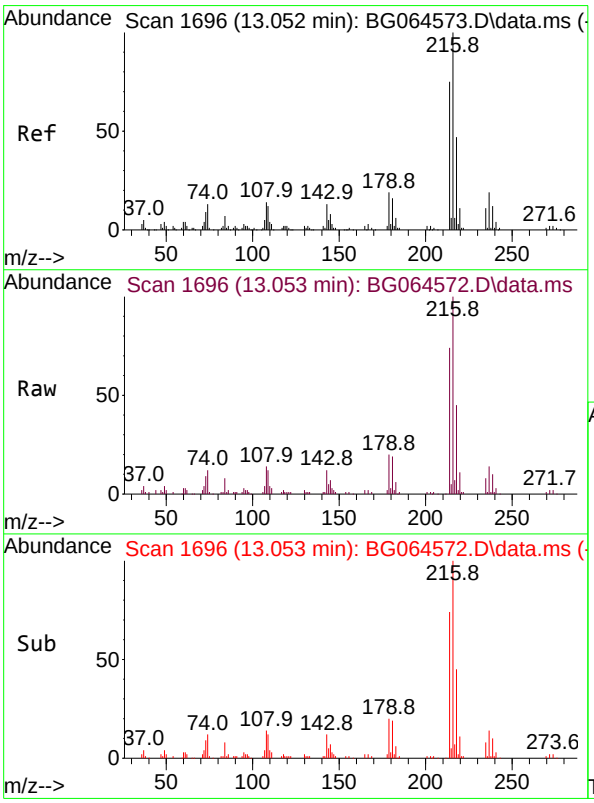
Ion	Ratio	Lower	Upper
164	100		
162	99.6	77.0	115.6
160	45.6	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

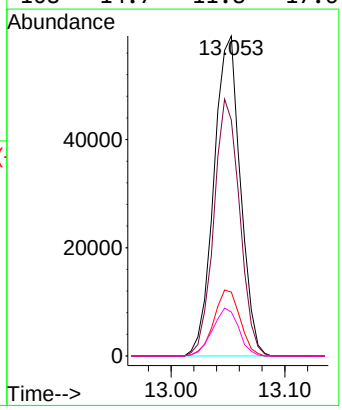
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

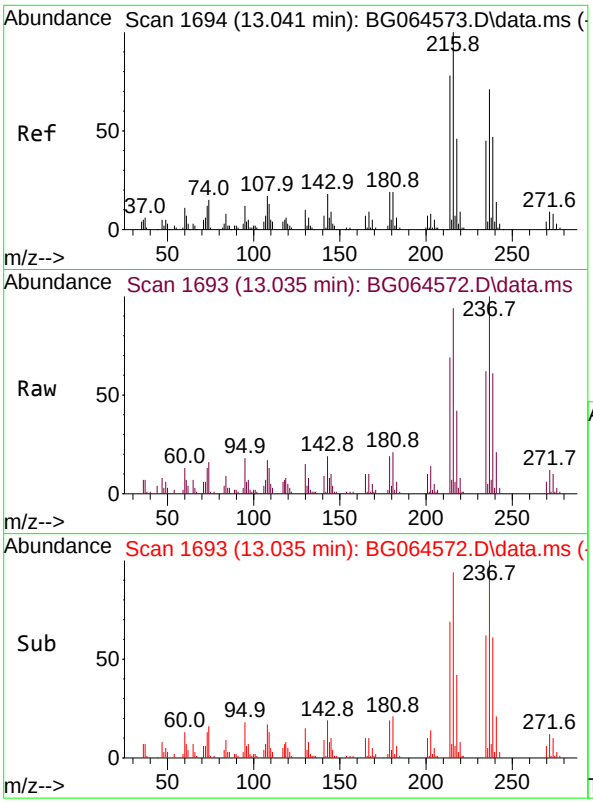


#40
1,2,4,5-Tetrachlorobenzene
Concen: 19.320 ng
RT: 13.053 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:216 Resp: 95653

Ion	Ratio	Lower	Upper
216	100		
214	78.1	61.4	92.2
179	20.4	15.4	23.0
108	14.7	11.8	17.6

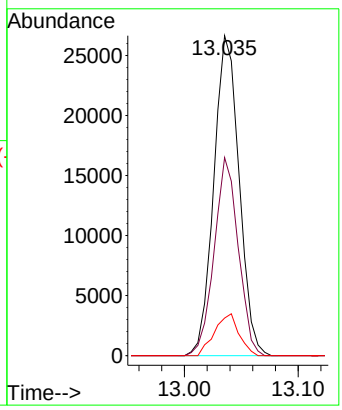




#41
Hexachlorocyclopentadiene
Concen: 18.479 ng
RT: 13.035 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:237 Resp: 4117

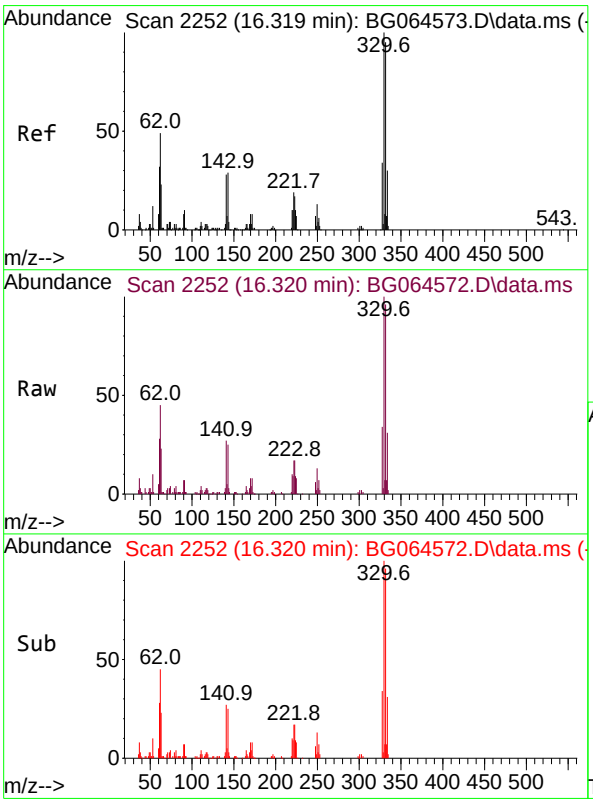
Ion	Ratio	Lower	Upper
237	100		
235	61.9	44.1	84.1
272	11.7	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

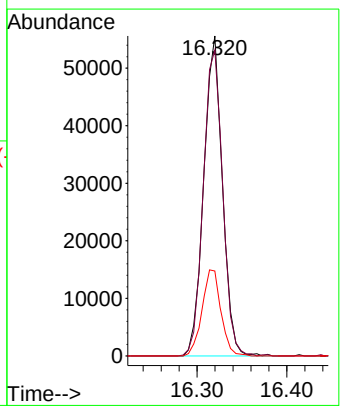
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

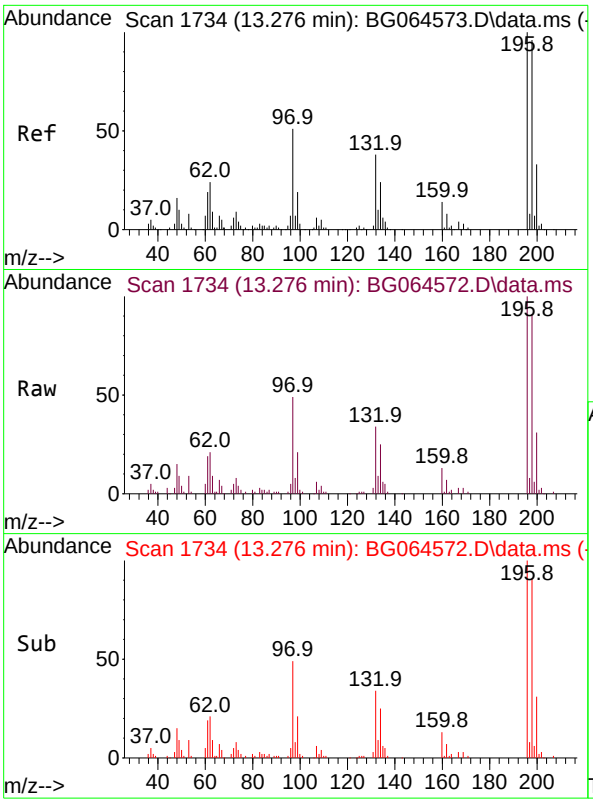


#42
2,4,6-Tribromophenol
Concen: 37.682 ng
RT: 16.320 min Scan# 2252
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:330 Resp: 80231

Ion	Ratio	Lower	Upper
330	100		
332	99.2	78.0	117.0
141	27.2	21.8	32.6

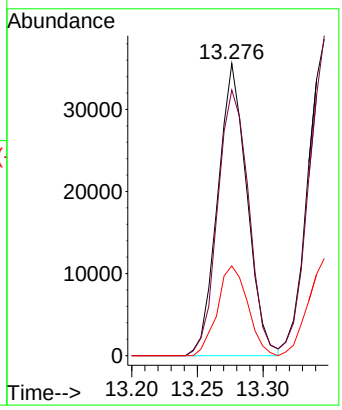




#43
2,4,6-Trichlorophenol
Concen: 19.525 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 5529

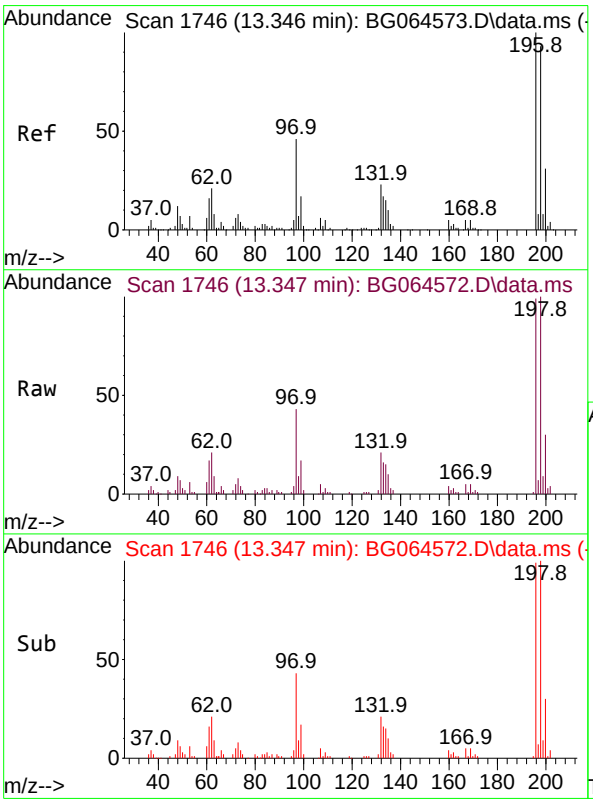
Ion	Ratio	Lower	Upper
196	100		
198	90.9	76.6	115.0
200	30.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

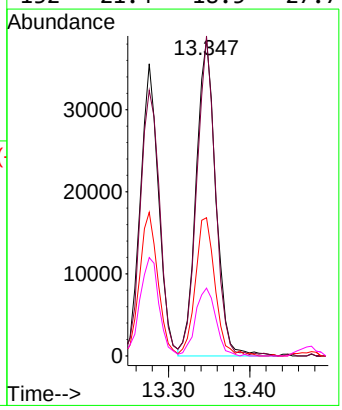
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

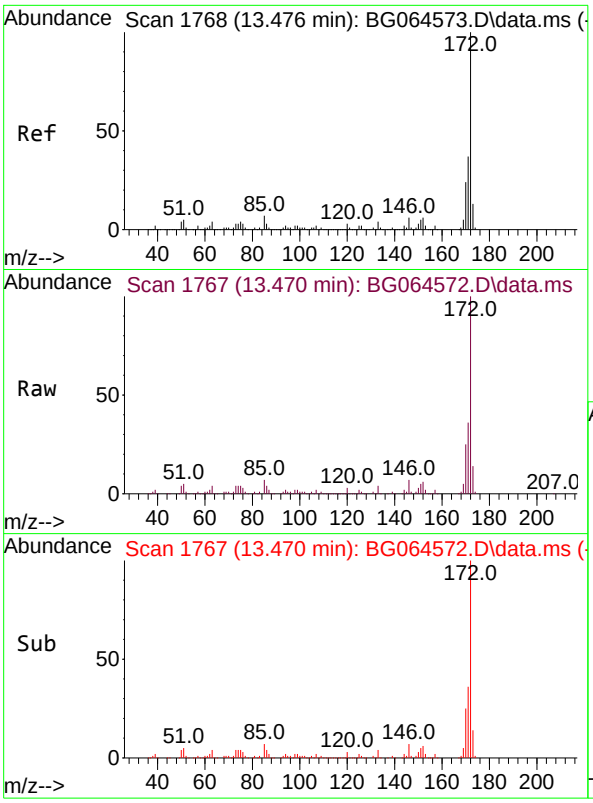


#44
2,4,5-Trichlorophenol
Concen: 19.814 ng
RT: 13.347 min Scan# 1746
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:196 Resp: 64753

Ion	Ratio	Lower	Upper
196	100		
198	101.1	74.2	111.4
97	43.6	37.0	55.6
132	21.4	18.5	27.7

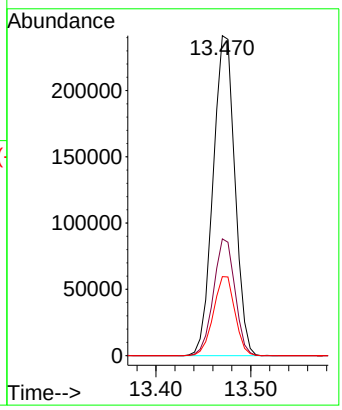




#45
2-Fluorobiphenyl
Concen: 39.584 ng
RT: 13.470 min Scan# 1
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:172 Resp: 38525

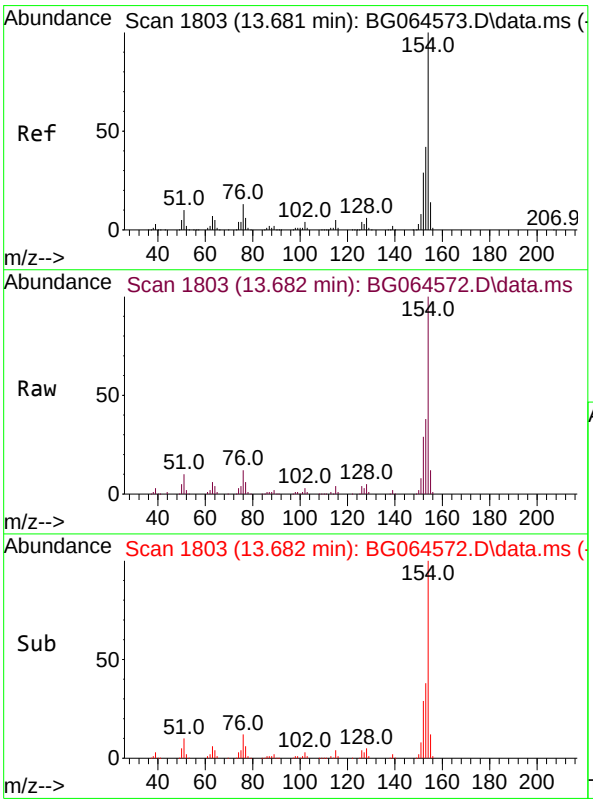
Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.4	44.0
170	24.7	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

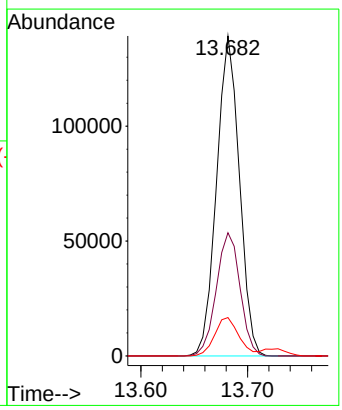
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

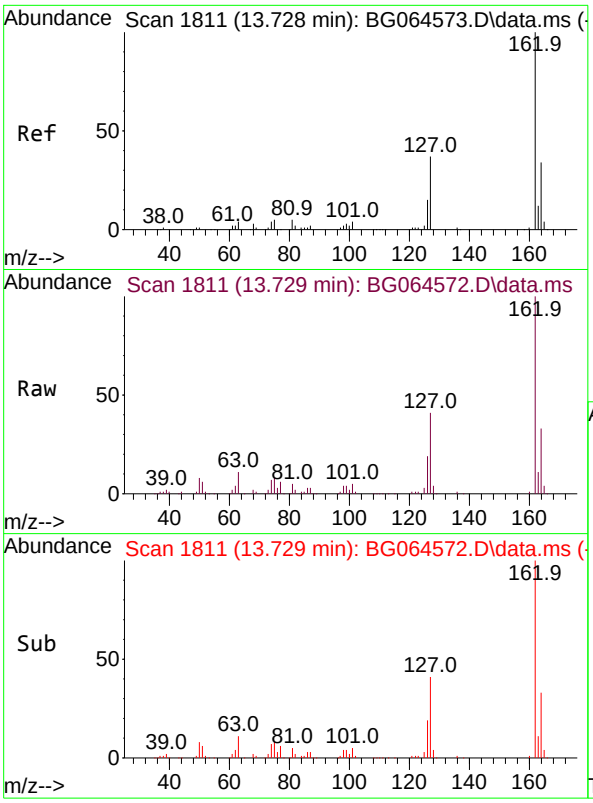


#46
1,1'-Biphenyl
Concen: 19.705 ng
RT: 13.682 min Scan# 1803
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 206656

Ion	Ratio	Lower	Upper
154	100		
153	38.5	22.4	62.4
76	12.0	0.0	33.5

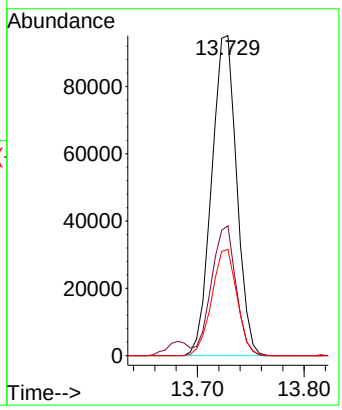




#47
2-Chloronaphthalene
Concen: 19.625 ng
RT: 13.729 min Scan# 18
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:162 Resp: 15535

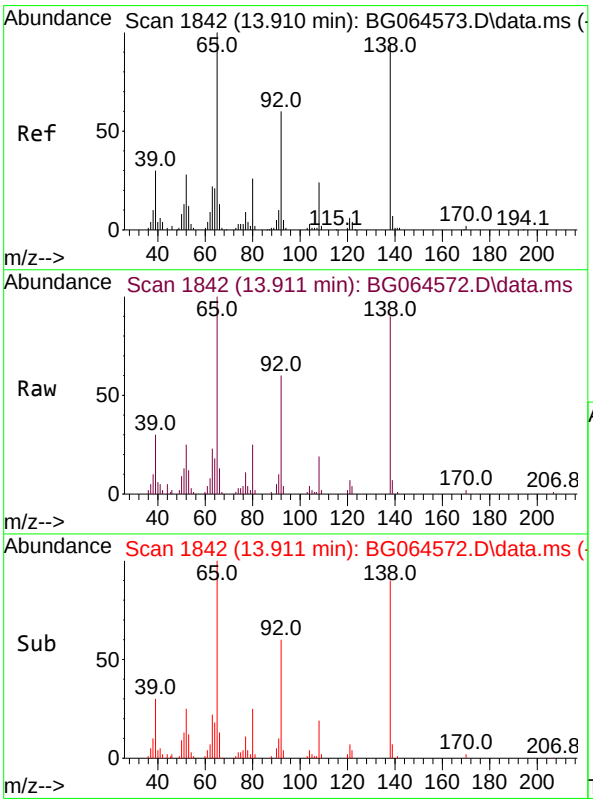
Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.2	48.2
164	33.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

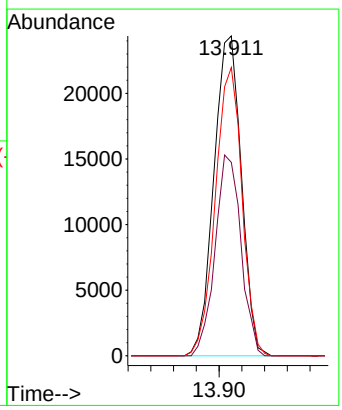
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

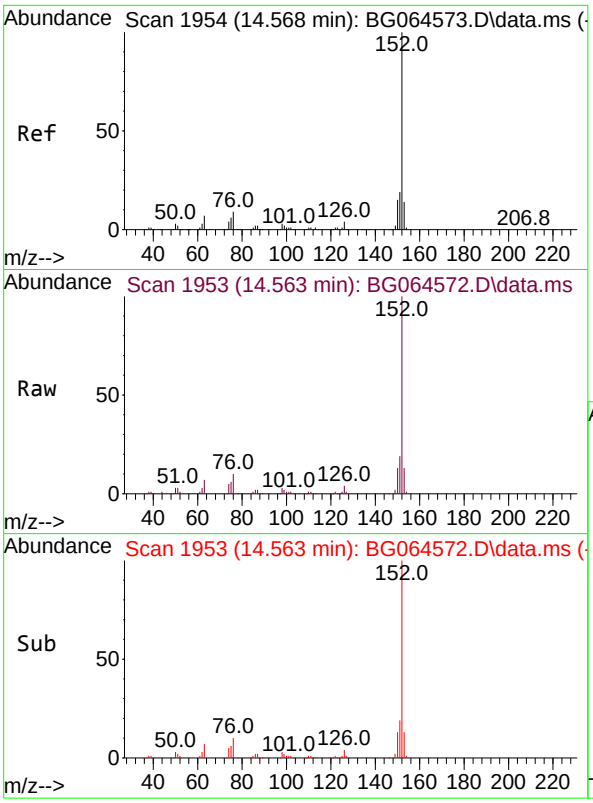


#48
2-Nitroaniline
Concen: 17.565 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 65 Resp: 40854

Ion	Ratio	Lower	Upper
65	100		
92	60.5	48.3	72.5
138	90.1	74.9	112.3

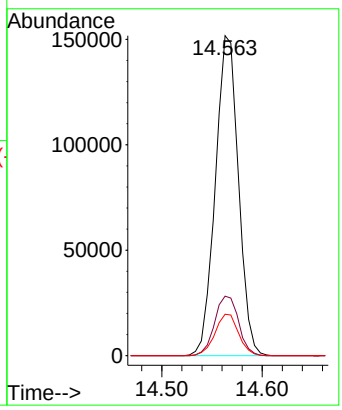




#49
Acenaphthylene
Concen: 19.454 ng
RT: 14.563 min Scan# 19
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:152 Resp: 242914

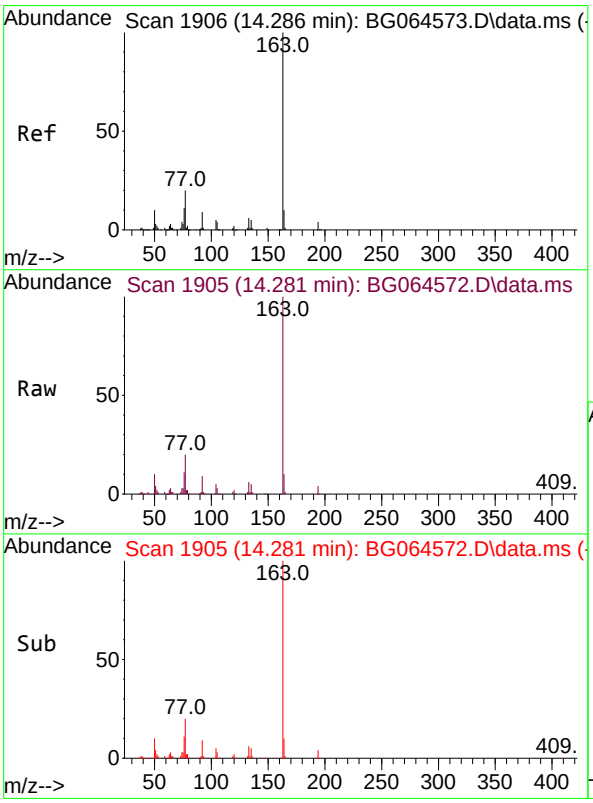
Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.2
153	12.9	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

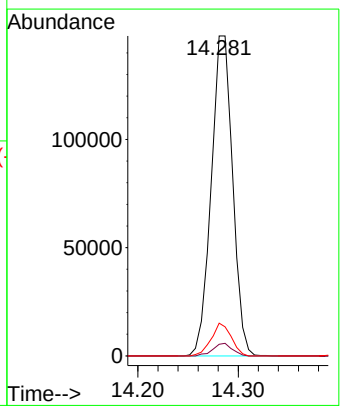
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

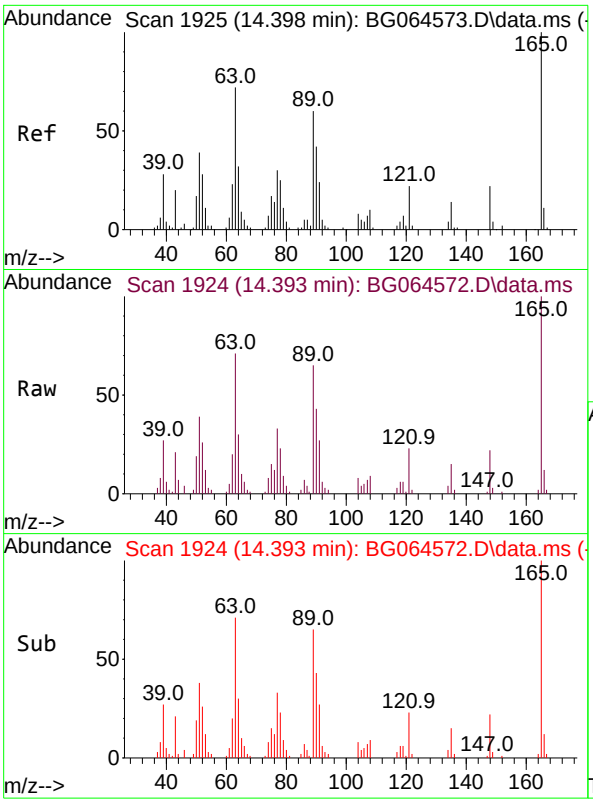


#50
Dimethylphthalate
Concen: 19.452 ng
RT: 14.281 min Scan# 1905
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:163 Resp: 219575

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.2	7.7	11.5

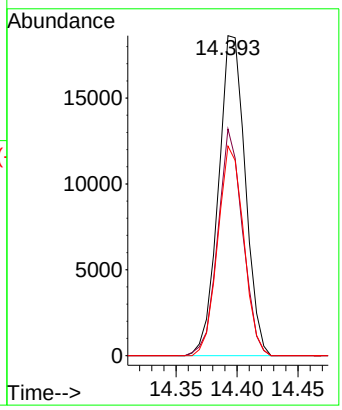




#51
2,6-Dinitrotoluene
Concen: 17.440 ng
RT: 14.393 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 2842

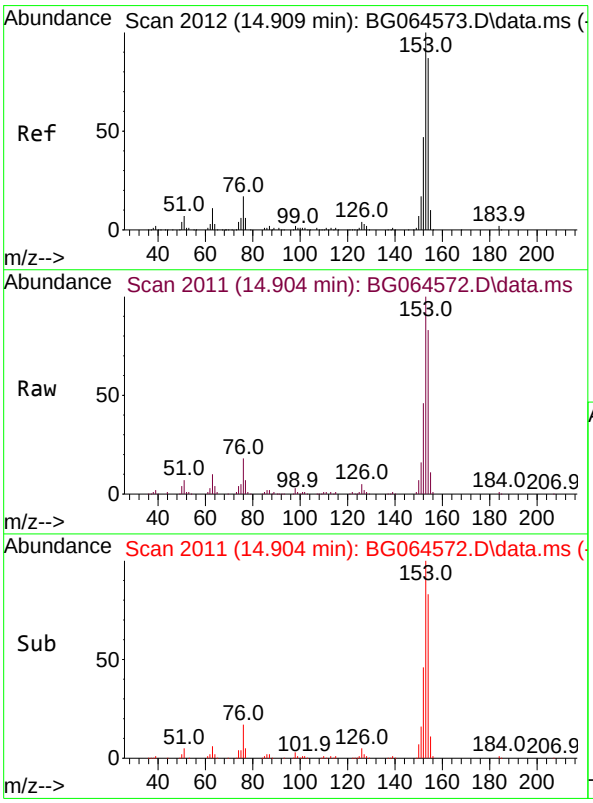
Ion	Ratio	Lower	Upper
165	100		
63	70.8	57.4	86.0
89	65.5	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

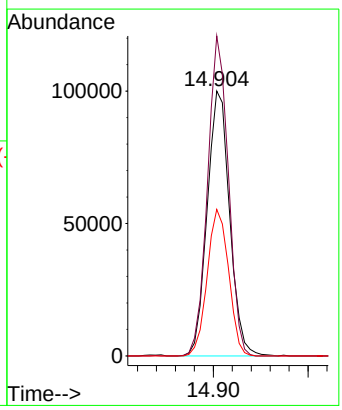
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

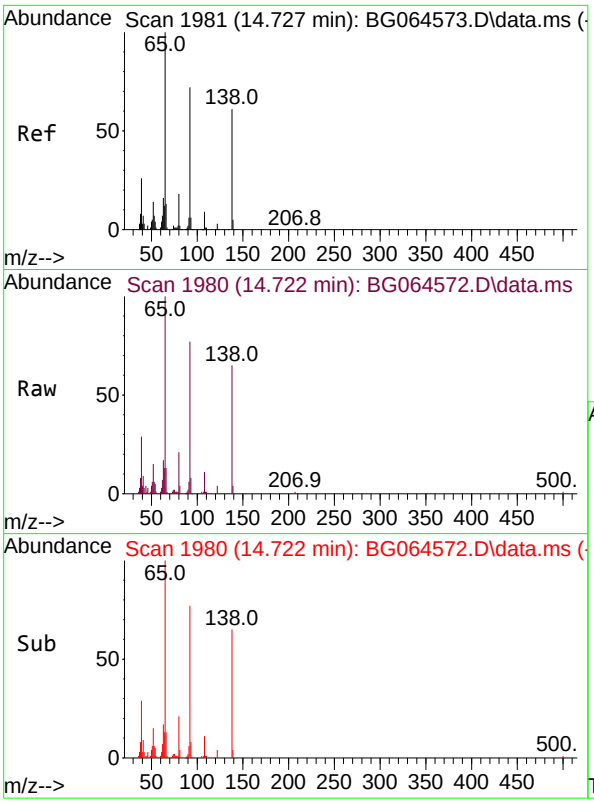


#52
Acenaphthene
Concen: 19.287 ng
RT: 14.904 min Scan# 2011
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:154 Resp: 164542

Ion	Ratio	Lower	Upper
154	100		
153	120.8	92.2	138.4
152	55.3	43.2	64.8

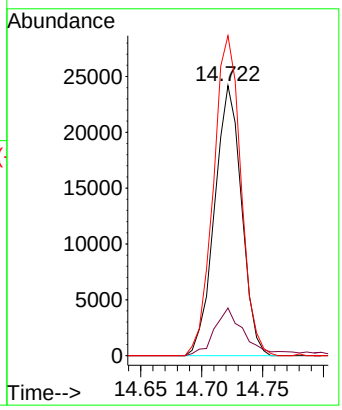




#53
3-Nitroaniline
Concen: 19.193 ng
RT: 14.722 min Scan# 19
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 3723

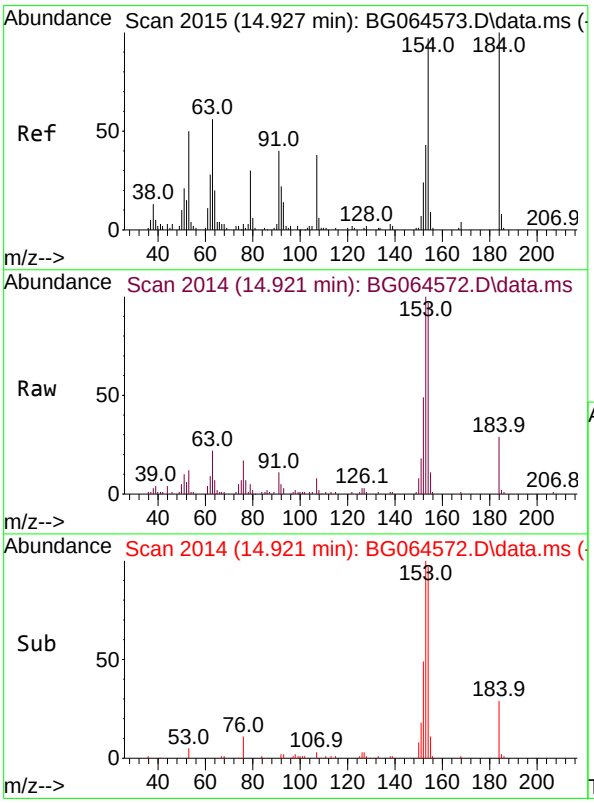
Ion	Ratio	Lower	Upper
138	100		
108	17.6	11.4	17.0#
92	118.5	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

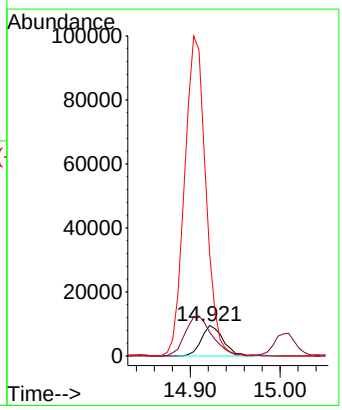
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

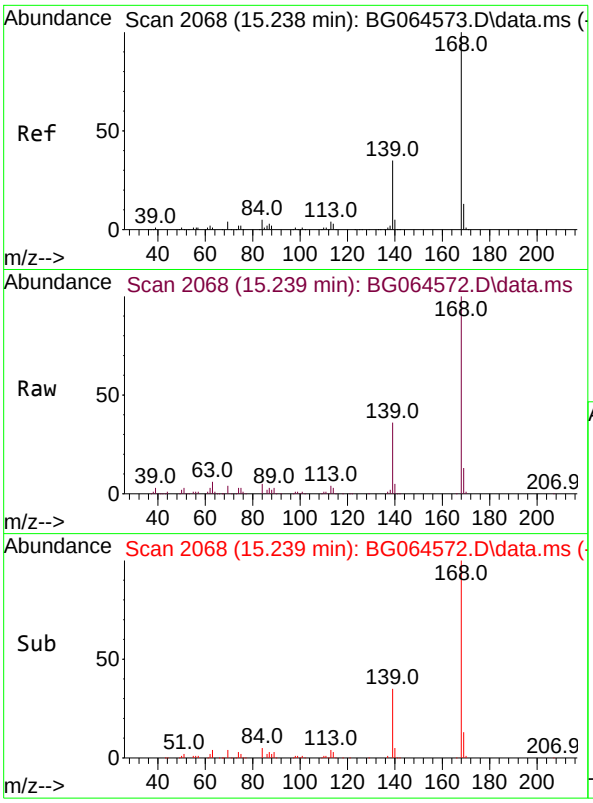


#54
2,4-Dinitrophenol
Concen: 18.744 ng
RT: 14.921 min Scan# 2014
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 16182

Ion	Ratio	Lower	Upper
184	100		
63	78.3	56.6	85.0
154	339.0	158.6	238.0#

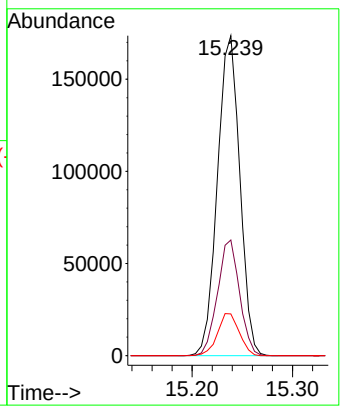




#55
Dibenzofuran
Concen: 19.534 ng
RT: 15.239 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:168 Resp: 26941

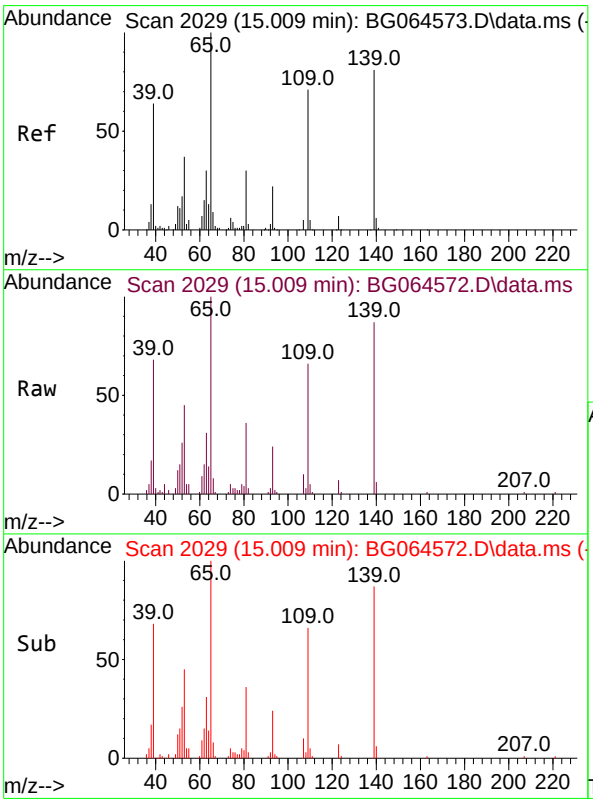
Ion	Ratio	Lower	Upper
168	100		
139	36.1	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

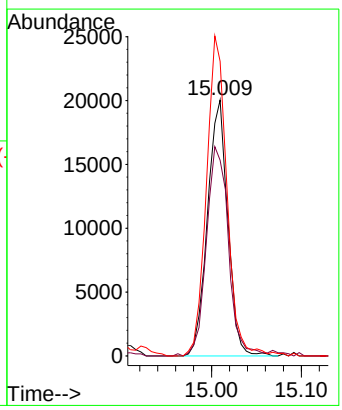
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

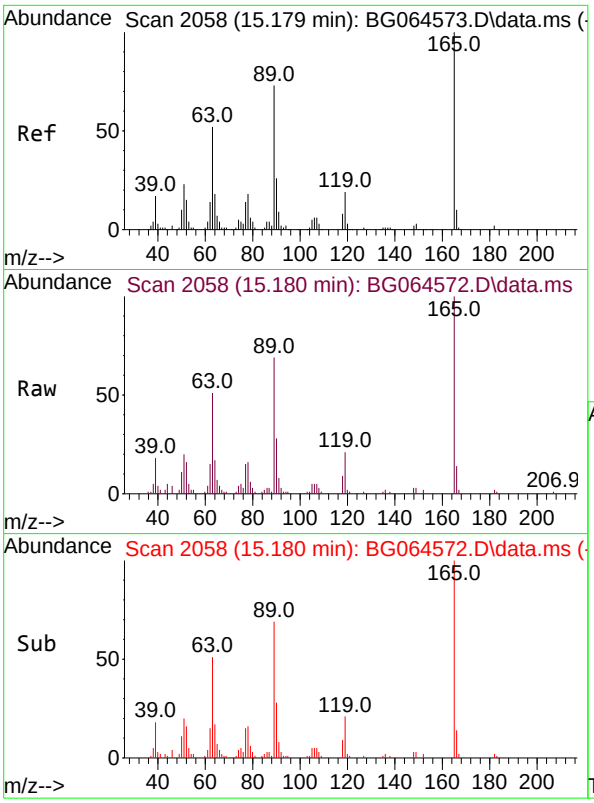


#56
4-Nitrophenol
Concen: 17.439 ng
RT: 15.009 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:139 Resp: 31366

Ion	Ratio	Lower	Upper
139	100		
109	76.4	67.8	107.8
65	115.0	103.7	143.7

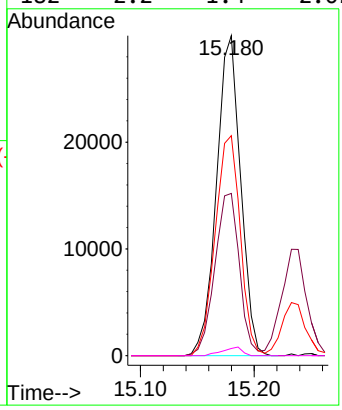




#57
2,4-Dinitrotoluene
Concen: 17.427 ng
RT: 15.180 min Scan# 20
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:165 Resp: 4420

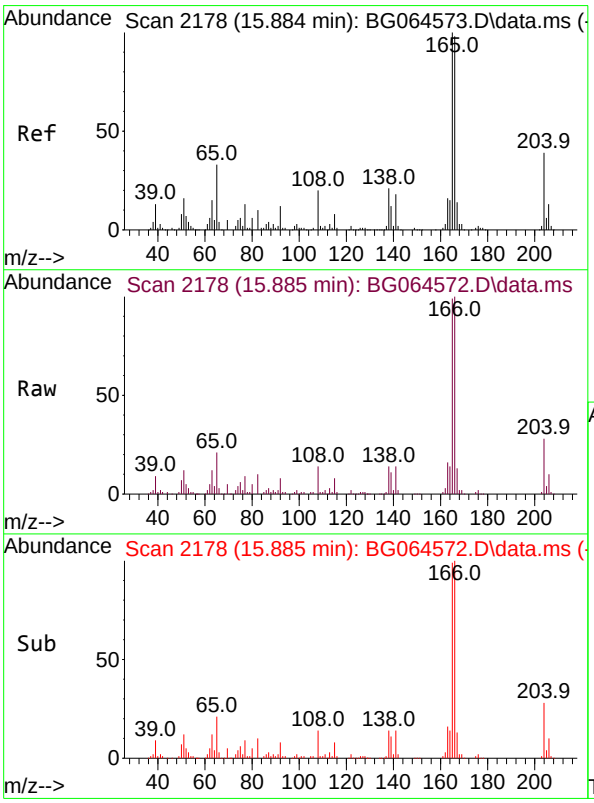
Ion	Ratio	Lower	Upper
165	100		
63	50.7	41.8	62.8
89	68.7	58.1	87.1
182	2.2	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

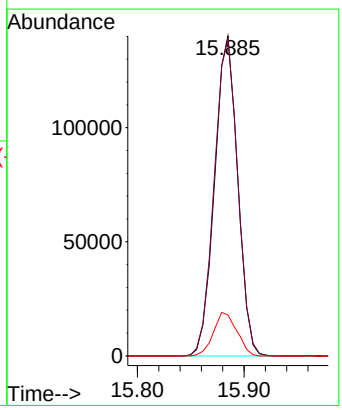
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

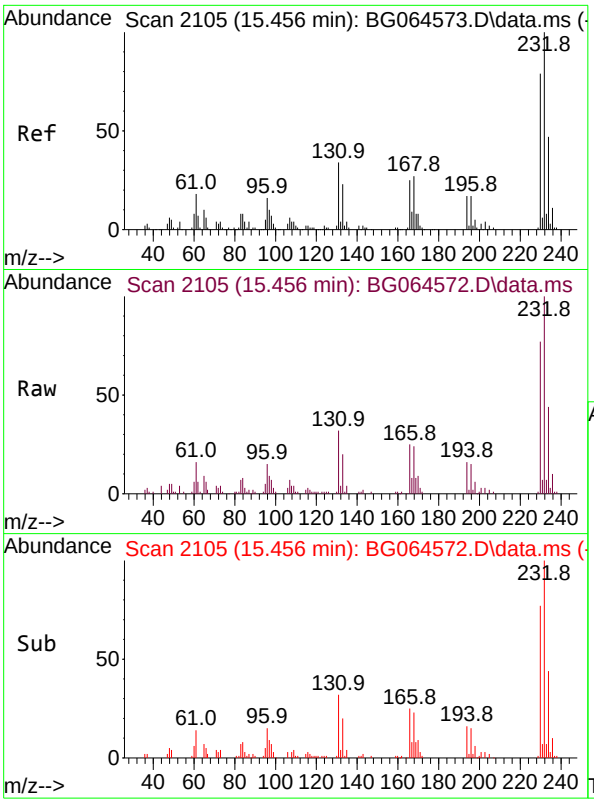


#58
Fluorene
Concen: 19.536 ng
RT: 15.885 min Scan# 2178
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:166 Resp: 210426

Ion	Ratio	Lower	Upper
166	100		
165	99.0	81.5	122.3
167	12.8	11.4	17.0

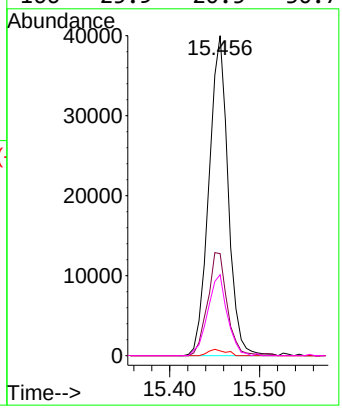




#59
2,3,4,6-Tetrachlorophenol
Concen: 18.980 ng
RT: 15.456 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:232 Resp: 59314

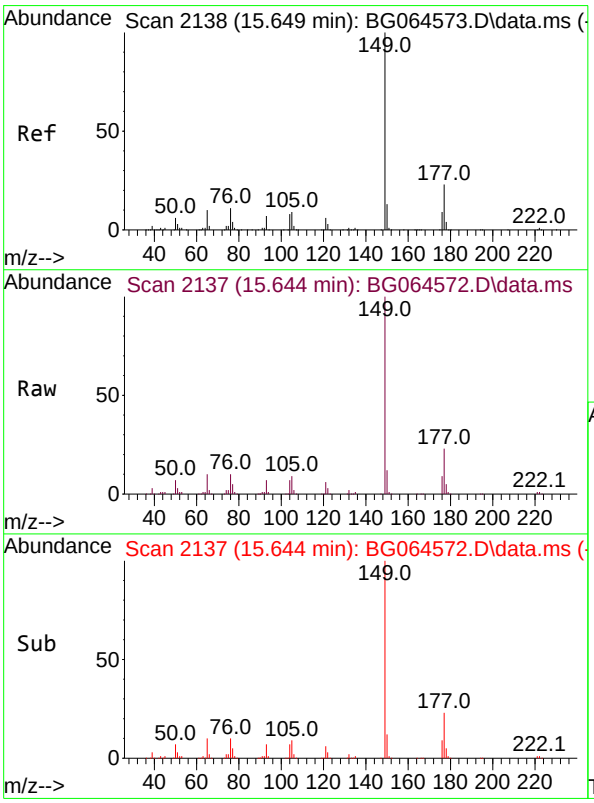
Ion	Ratio	Lower	Upper
232	100		
131	32.5	26.7	40.1
130	1.8	1.6	2.4
166	25.9	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

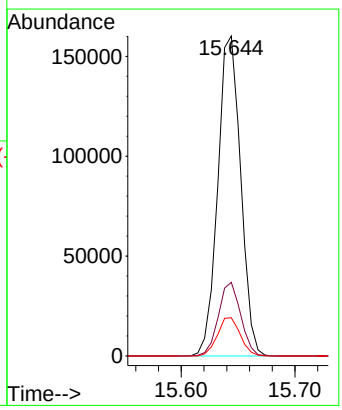
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

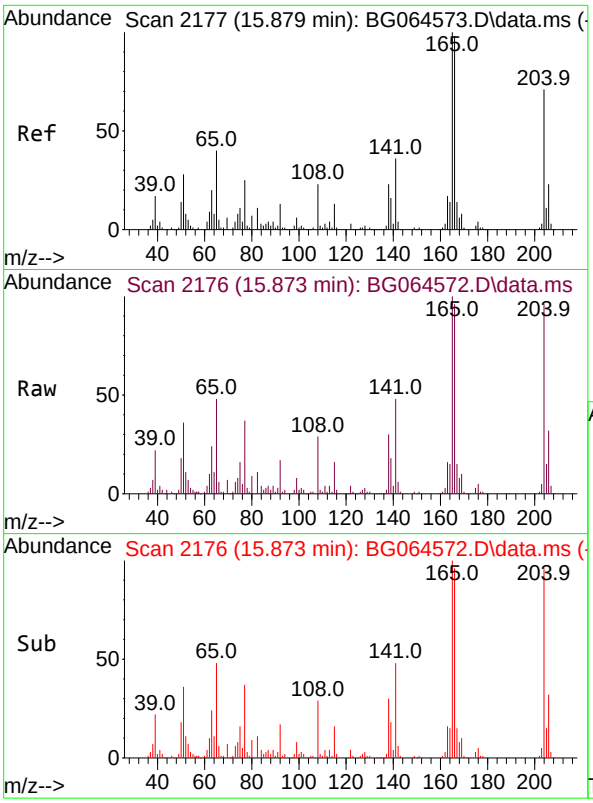


#60
Diethylphthalate
Concen: 19.382 ng
RT: 15.644 min Scan# 2137
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 223398

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.0	27.0
150	11.9	10.2	15.4

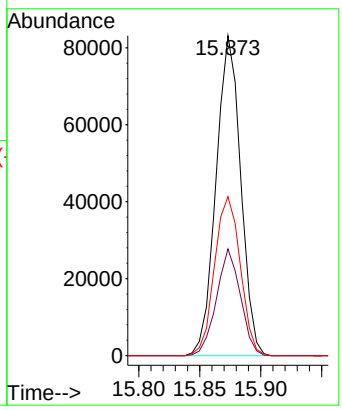




#61
4-Chlorophenyl-phenylether
Concen: 19.333 ng
RT: 15.873 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:204 Resp: 11686

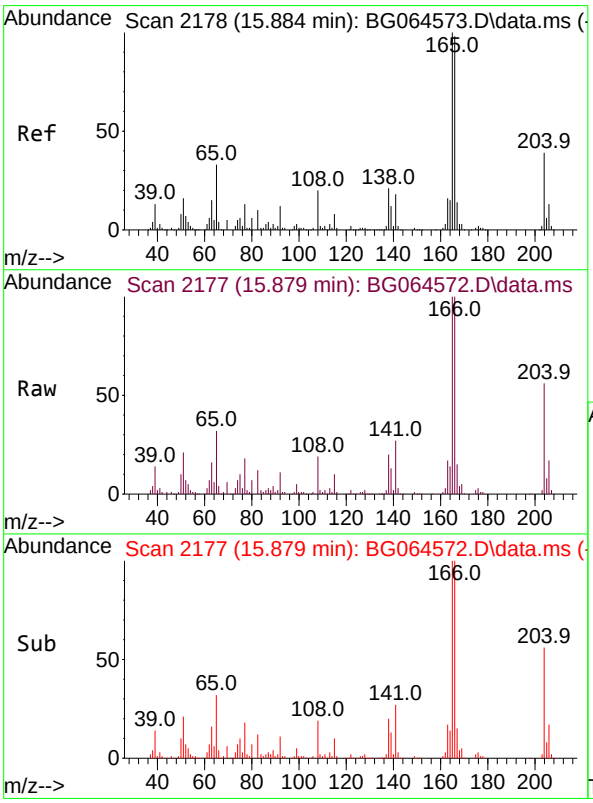
Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	49.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

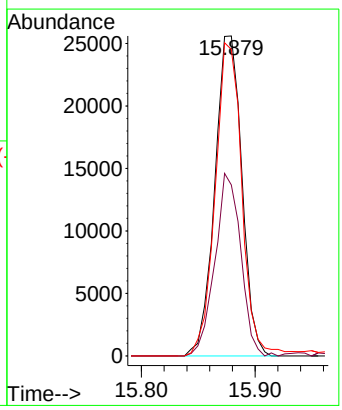
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

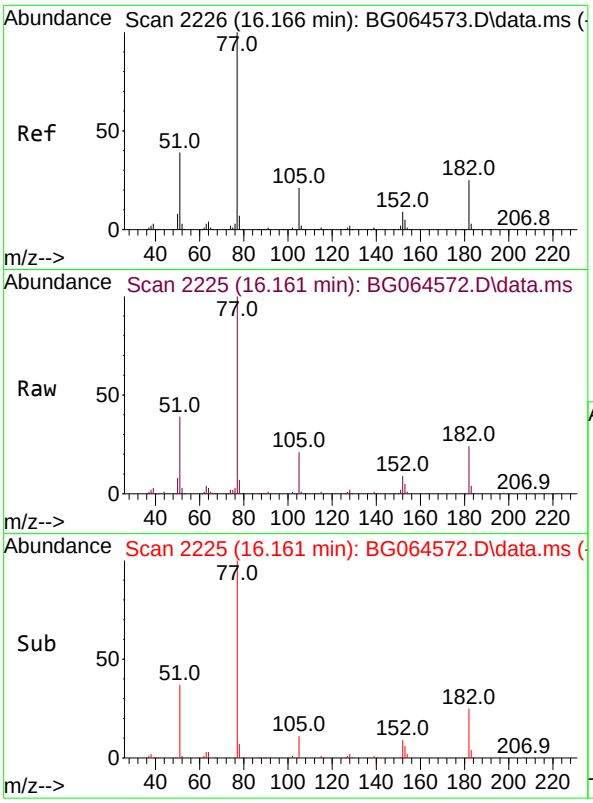


#62
4-Nitroaniline
Concen: 19.582 ng
RT: 15.879 min Scan# 2177
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:138 Resp: 42261

Ion	Ratio	Lower	Upper
138	100		
92	53.4	36.1	76.1
108	95.8	75.6	115.6

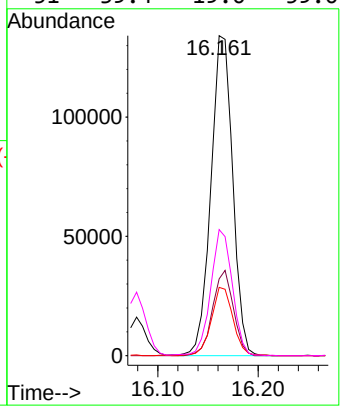




#63
Azobenzene
Concen: 19.205 ng
RT: 16.161 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion: 77 Resp: 203101

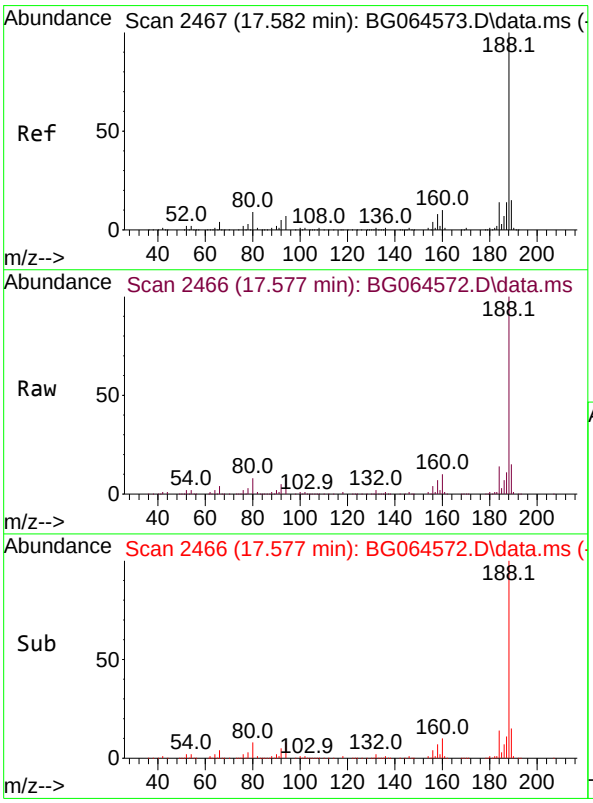
Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.9	44.9
105	21.3	1.3	41.3
51	39.4	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

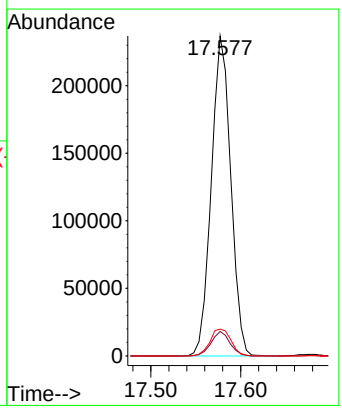
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

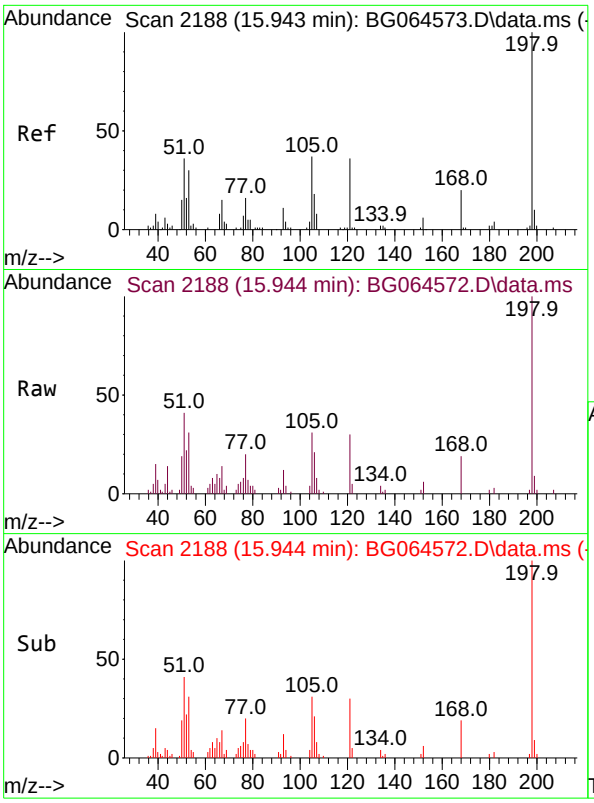


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.577 min Scan# 2466
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:188 Resp: 357228

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 18.316 ng
RT: 15.944 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

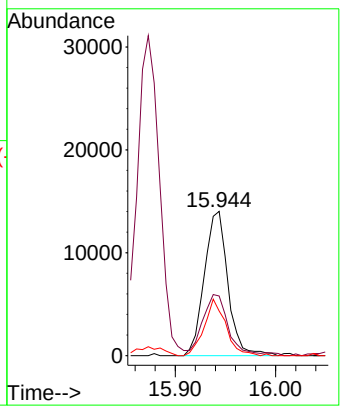
Tgt Ion:198 Resp: 2284

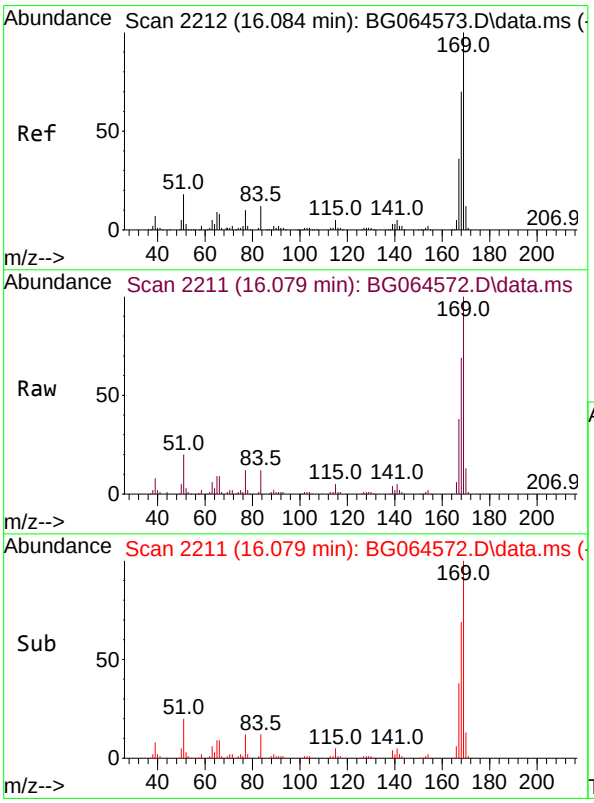
Ion	Ratio	Lower	Upper
198	100		
51	41.3	24.7	64.7
105	30.8	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

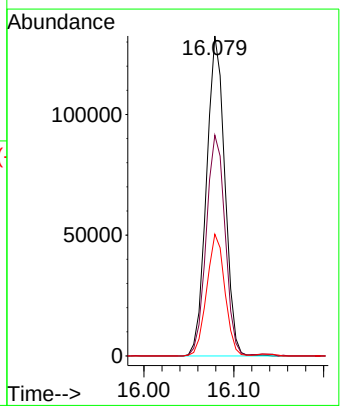


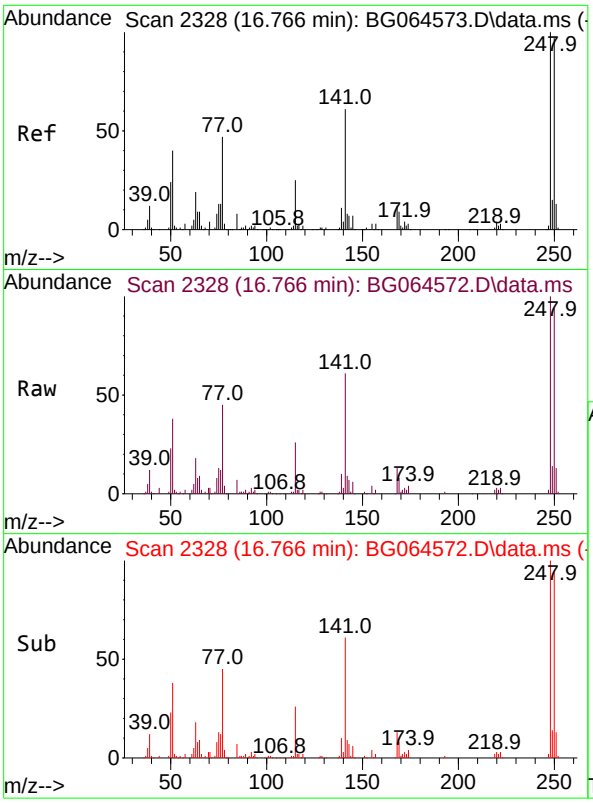


#66
n-Nitrosodiphenylamine
Concen: 19.437 ng
RT: 16.079 min Scan# 2211
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:169 Resp: 187560

Ion	Ratio	Lower	Upper
169	100		
168	69.0	56.3	84.5
167	38.0	29.0	43.6

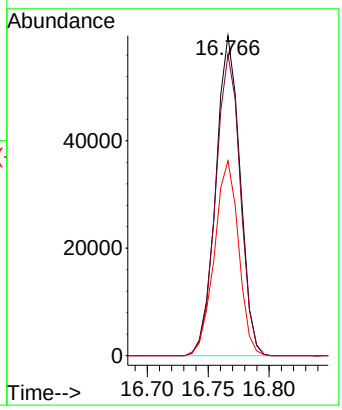




#67
4-Bromophenyl-phenylether
Concen: 19.444 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:248 Resp: 8231

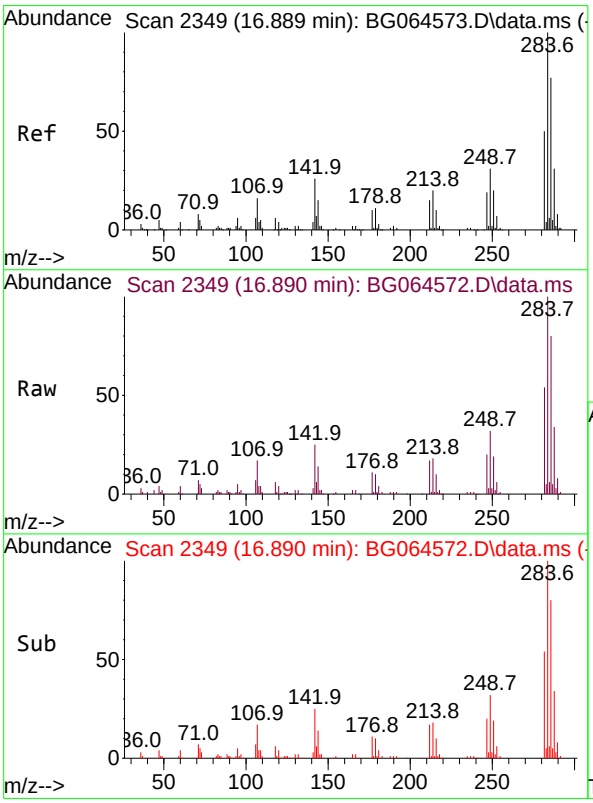
Ion	Ratio	Lower	Upper
248	100		
250	94.2	77.7	116.5
141	60.9	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

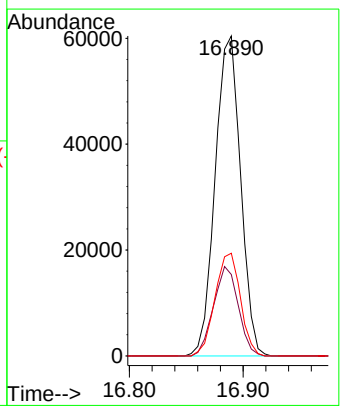
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

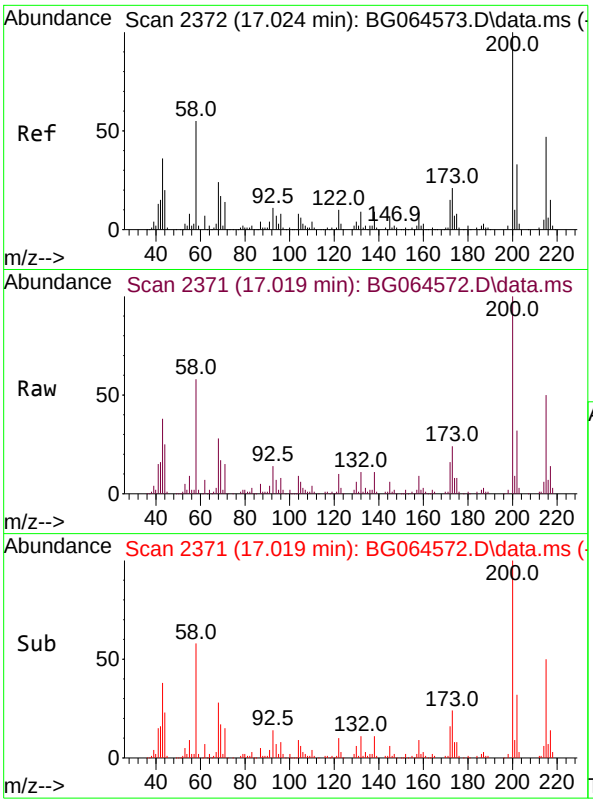


#68
Hexachlorobenzene
Concen: 19.391 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:284 Resp: 93647

Ion	Ratio	Lower	Upper
284	100		
142	25.4	21.0	31.6
249	34.6	24.9	37.3

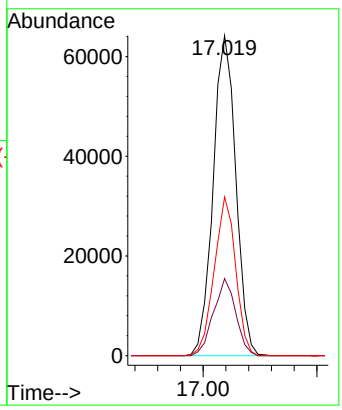




#69
Atrazine
Concen: 21.392 ng
RT: 17.019 min Scan# 2
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:200 Resp: 8883

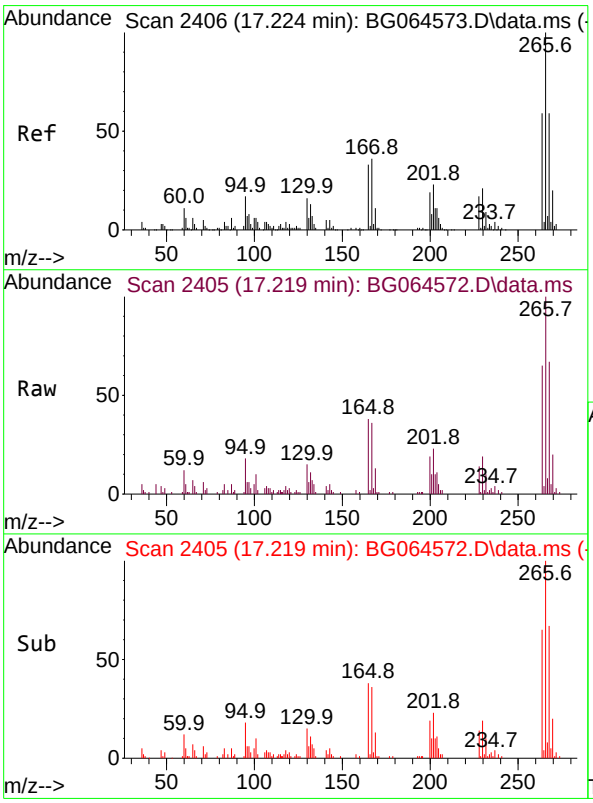
Ion	Ratio	Lower	Upper
200	100		
173	24.1	0.9	40.9
215	49.6	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

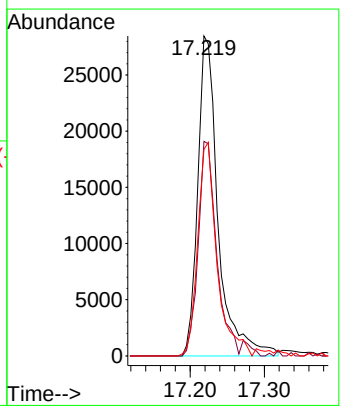
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

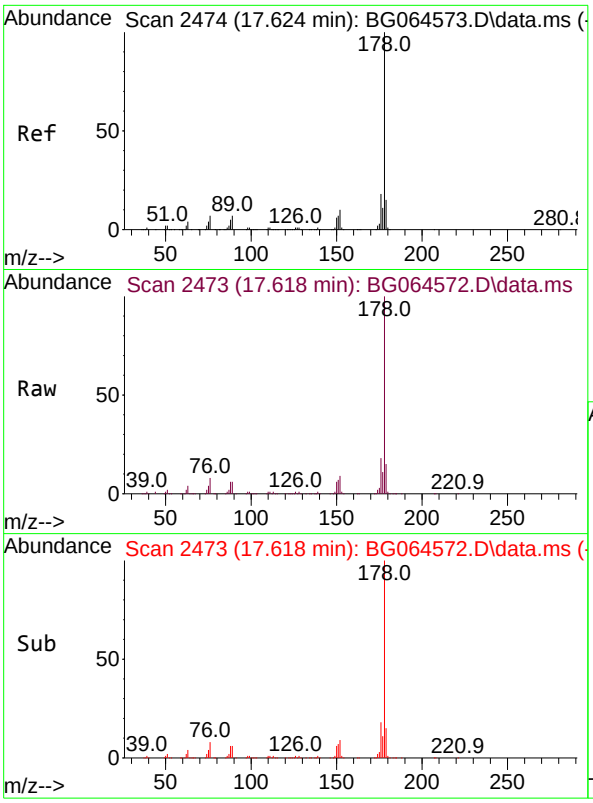


#70
Pentachlorophenol
Concen: 18.022 ng
RT: 17.219 min Scan# 2405
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:266 Resp: 54275

Ion	Ratio	Lower	Upper
266	100		
268	71.7	50.3	75.5
264	68.9	47.3	70.9

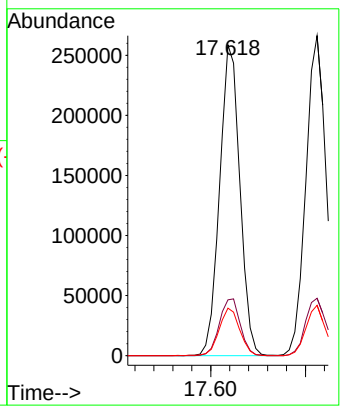




#71
Phenanthrene
Concen: 19.624 ng
RT: 17.618 min Scan# 24
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 383359

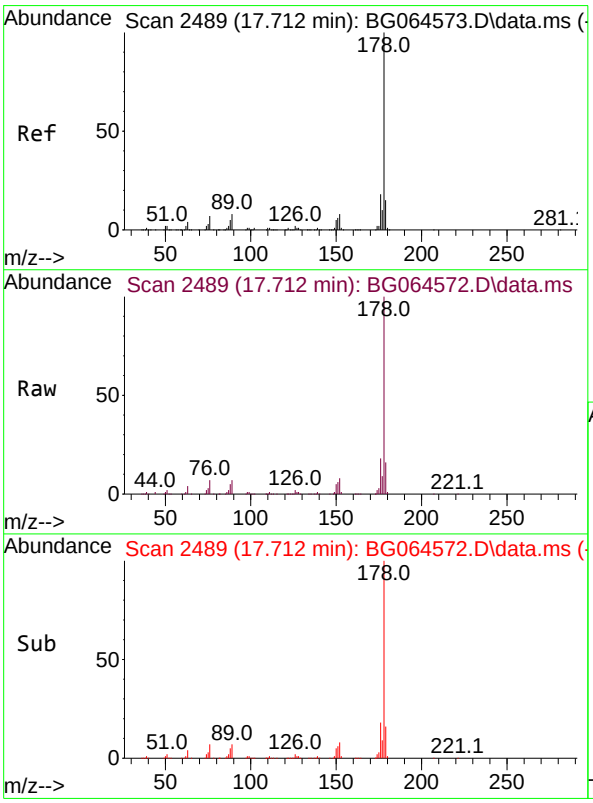
Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.7	22.1
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

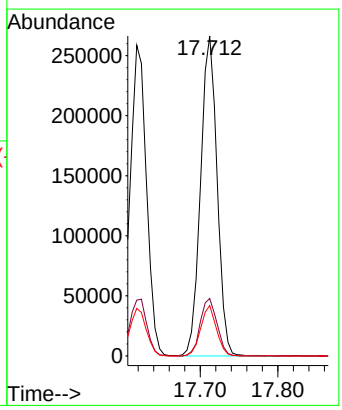
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

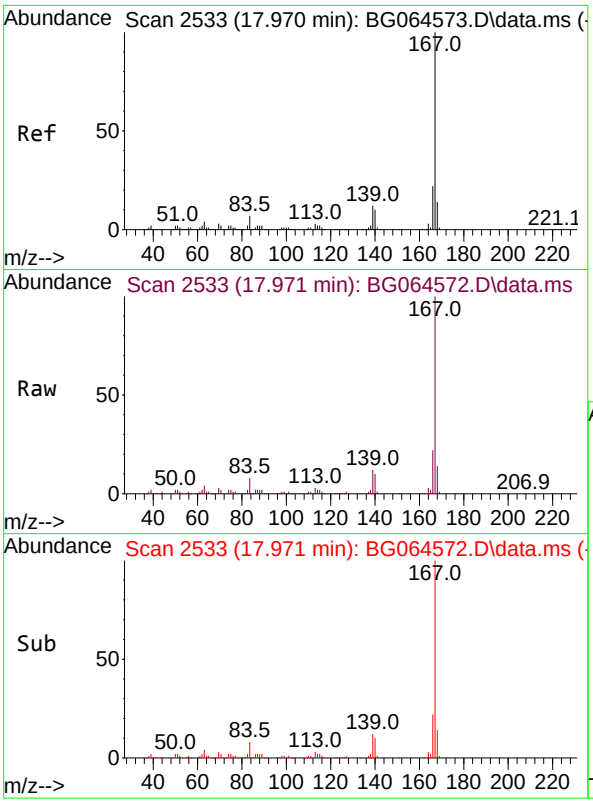


#72
Anthracene
Concen: 19.792 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:178 Resp: 393312

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.4	21.6
179	15.7	12.4	18.6

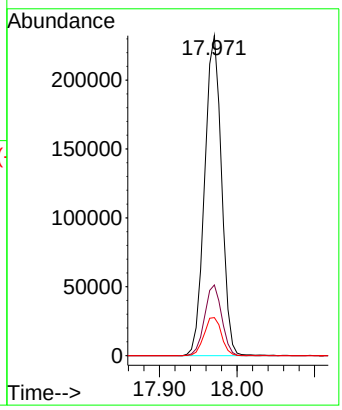




#73
Carbazole
Concen: 20.014 ng
RT: 17.971 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:167 Resp: 35072

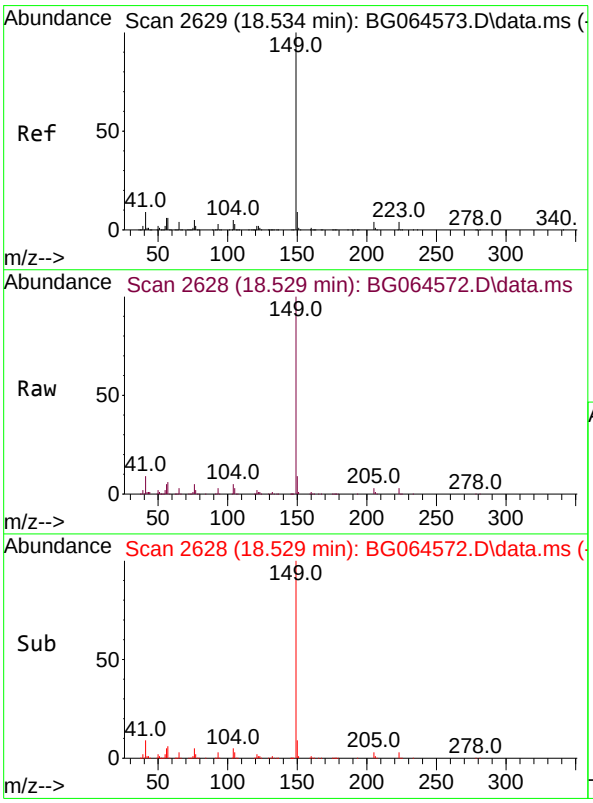
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	11.9	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

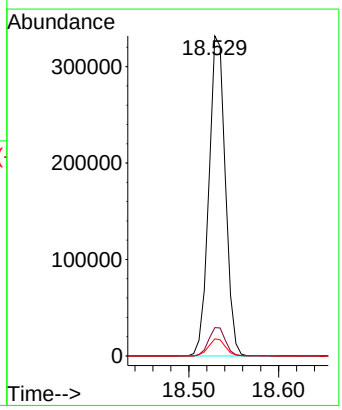
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

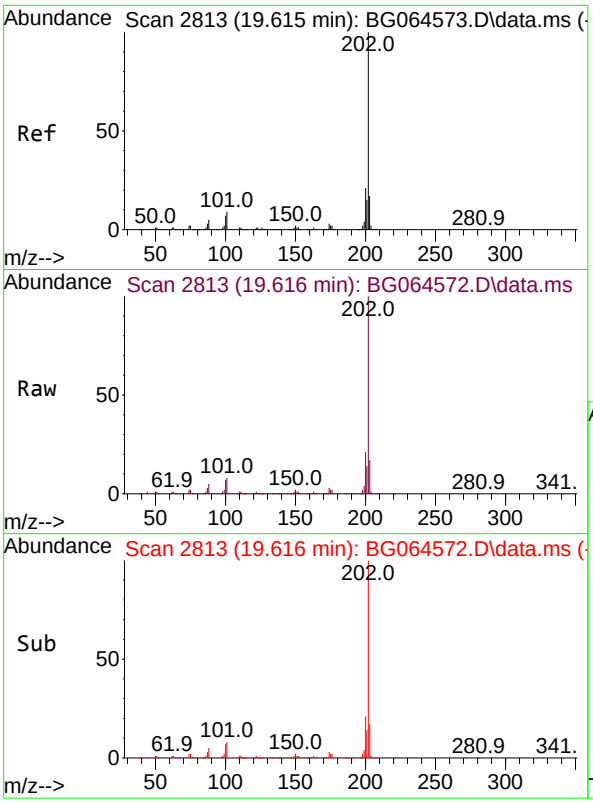


#74
Di-n-butylphthalate
Concen: 20.788 ng
RT: 18.529 min Scan# 2628
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 421239

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1

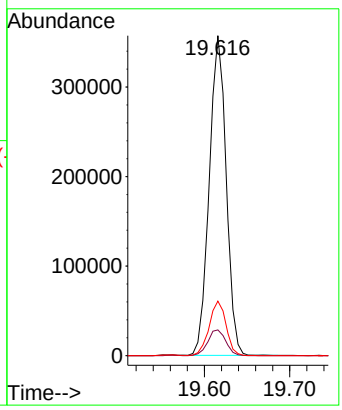




#75
Fluoranthene
Concen: 20.142 ng
RT: 19.616 min Scan# 28
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 49292

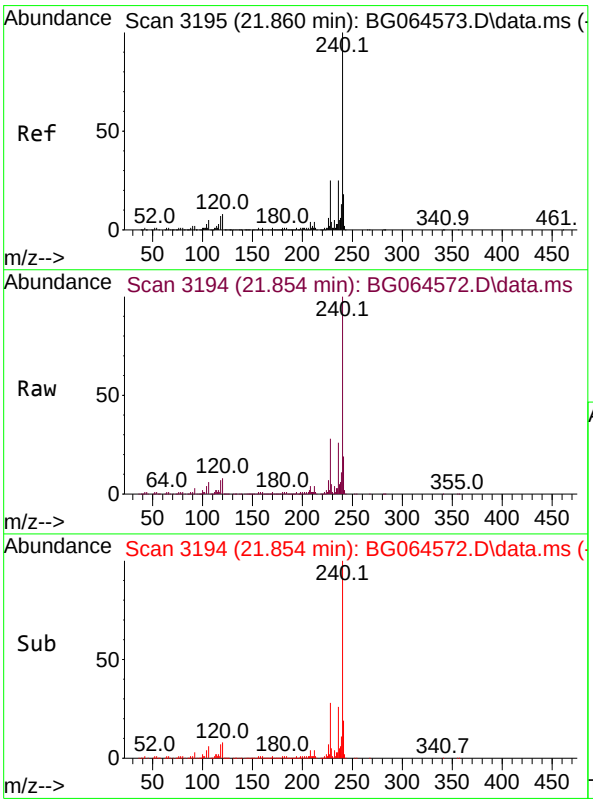
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	17.0	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

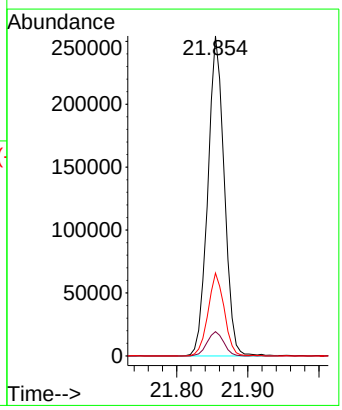
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

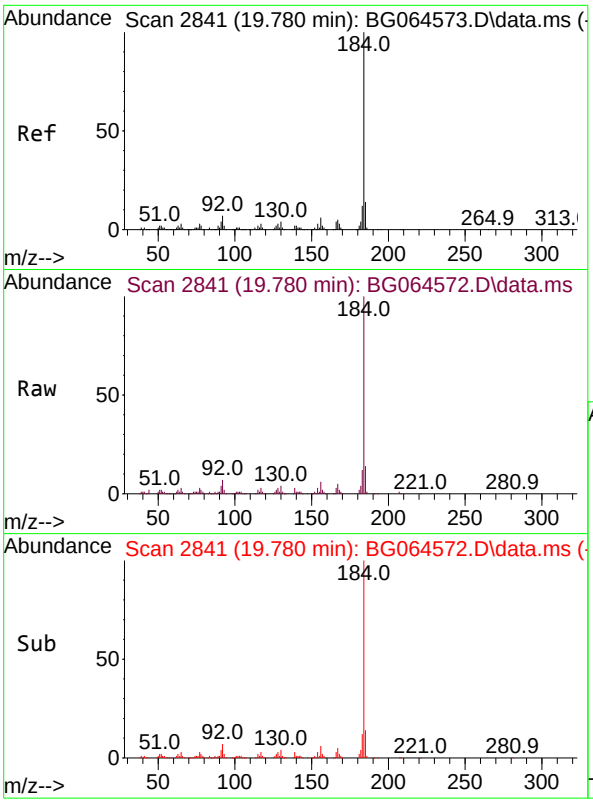


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.854 min Scan# 3194
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:240 Resp: 408574

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.9	20.2	30.2

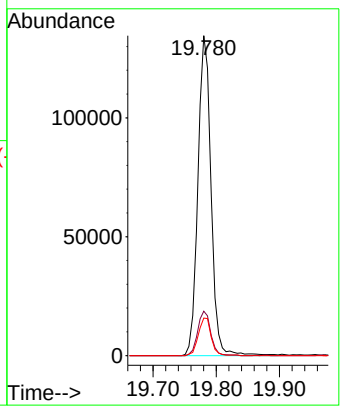




#77
Benzidine
Concen: 21.201 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:184 Resp: 19407

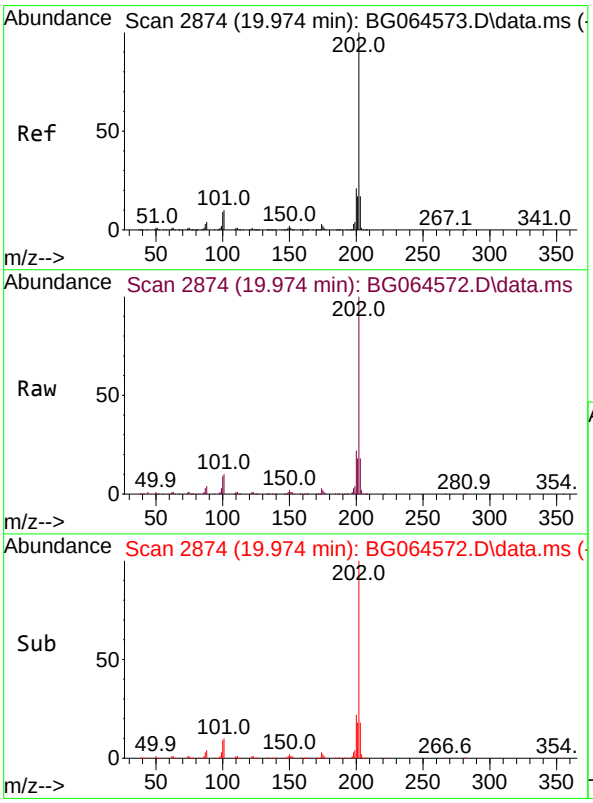
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.7	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

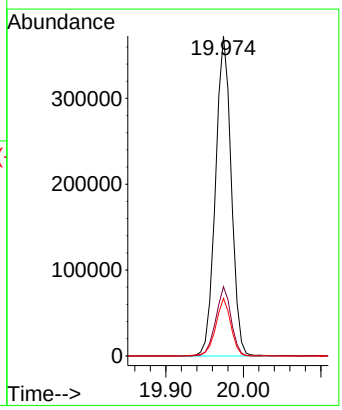
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

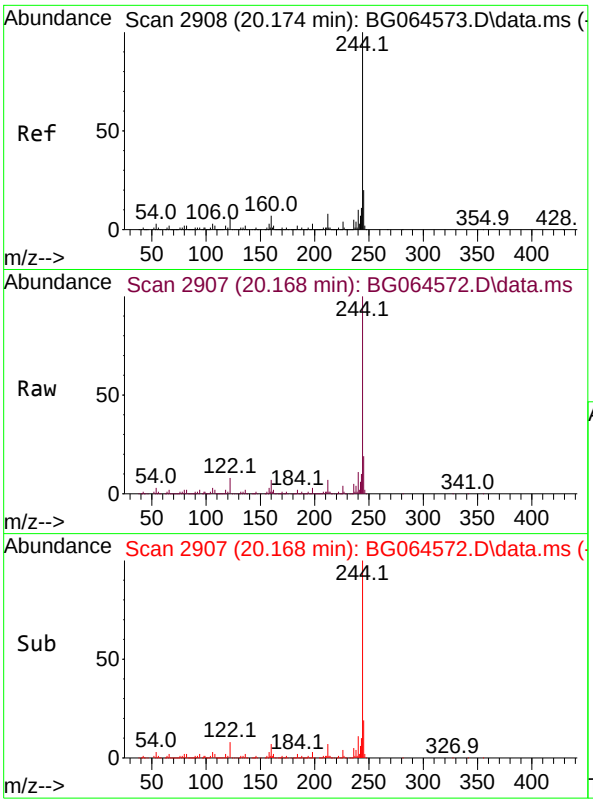


#78
Pyrene
Concen: 19.646 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:202 Resp: 524431

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	18.0	13.8	20.6

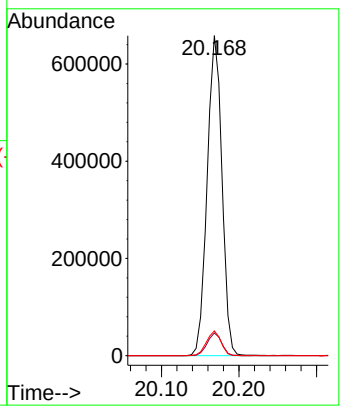




#79
Terphenyl-d14
Concen: 40.219 ng
RT: 20.168 min Scan# 29
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:244 Resp: 870741

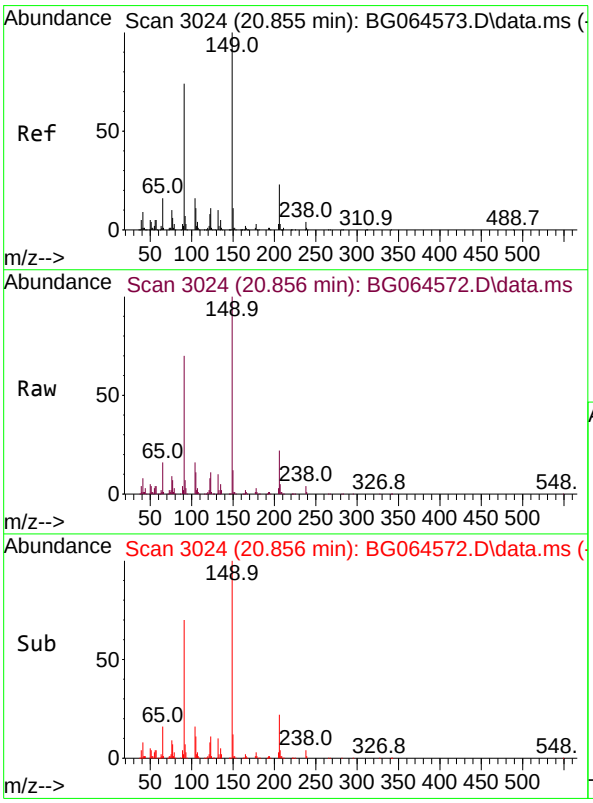
Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.1	9.1
122	7.7	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

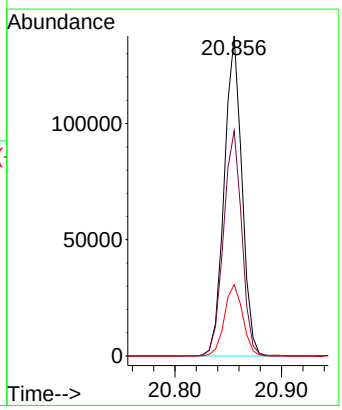
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

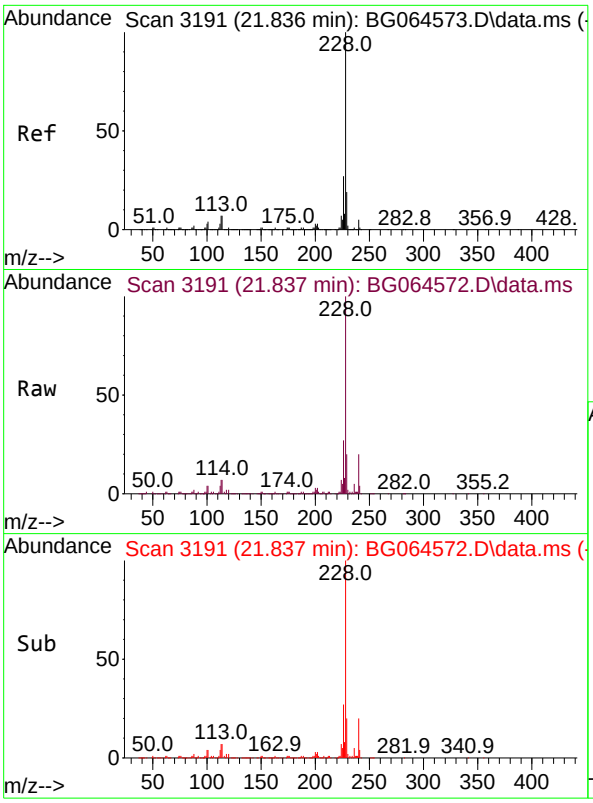


#80
Butylbenzylphthalate
Concen: 19.633 ng
RT: 20.856 min Scan# 3024
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 158394

Ion	Ratio	Lower	Upper
149	100		
91	70.4	59.2	88.8
206	22.3	18.1	27.1

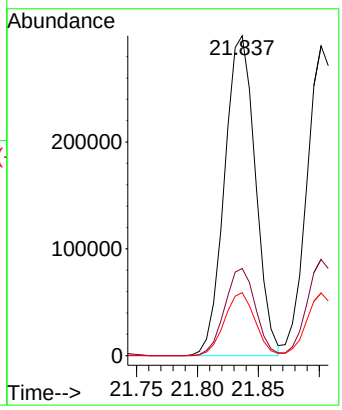




#81
Benzo(a)anthracene
Concen: 19.490 ng
RT: 21.837 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 52800

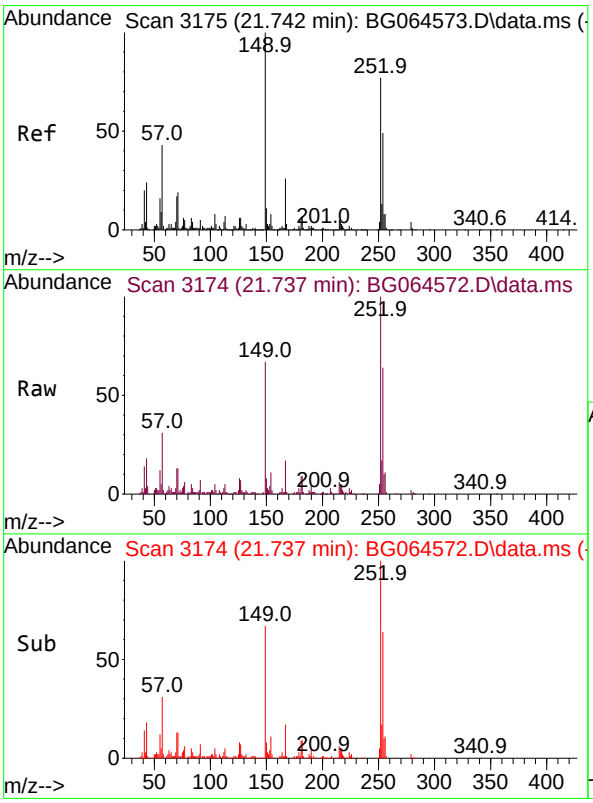
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	19.7	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

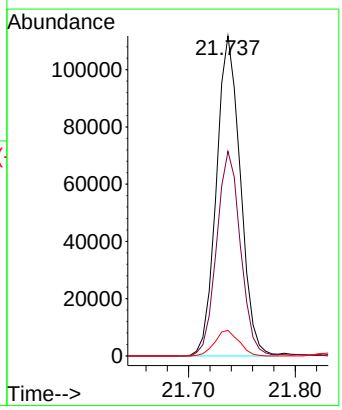
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

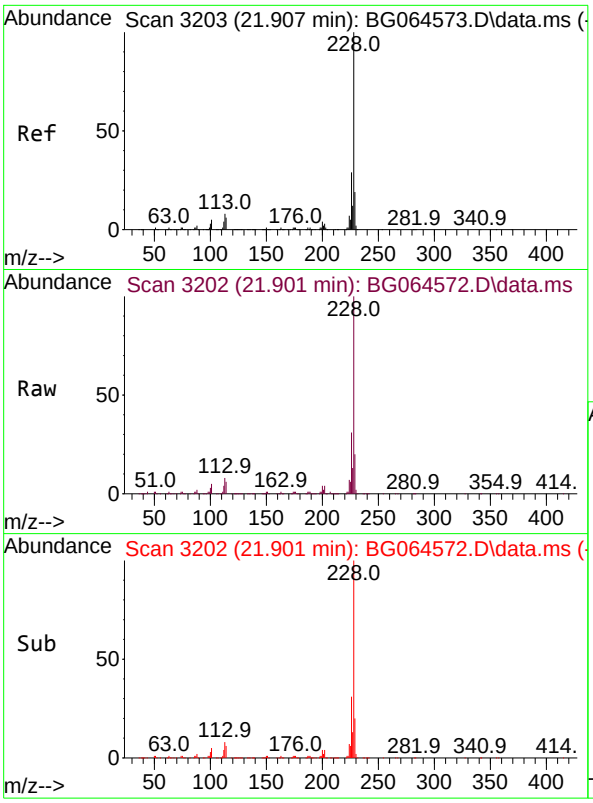


#82
3,3'-Dichlorobenzidine
Concen: 19.323 ng
RT: 21.737 min Scan# 3174
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 174803

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	8.0	5.8	8.6

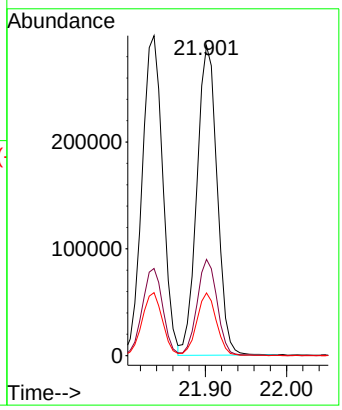




#83
Chrysene
Concen: 19.479 ng
RT: 21.901 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:228 Resp: 50212

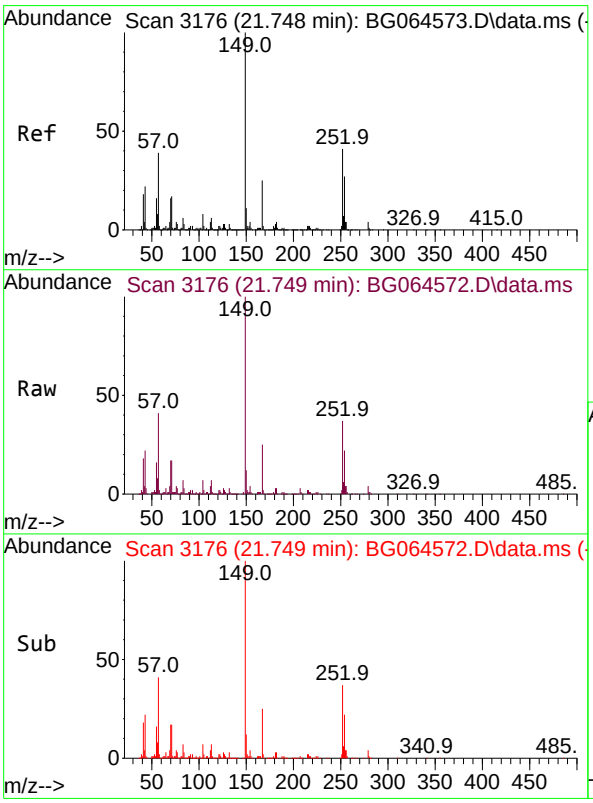
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.3	34.9
229	20.2	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

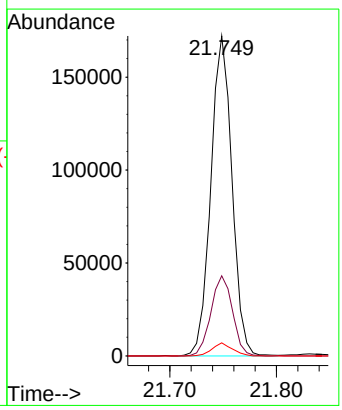
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

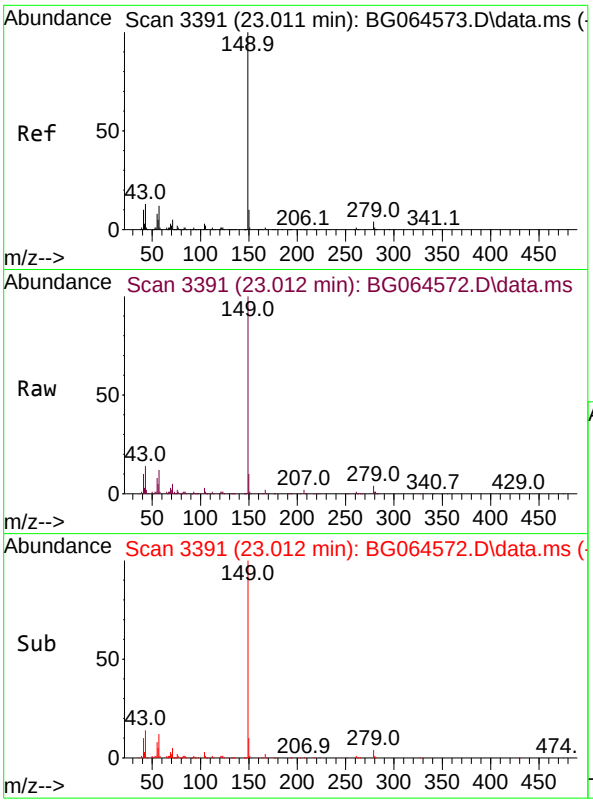


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.703 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 237524

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	4.1	3.1	4.7

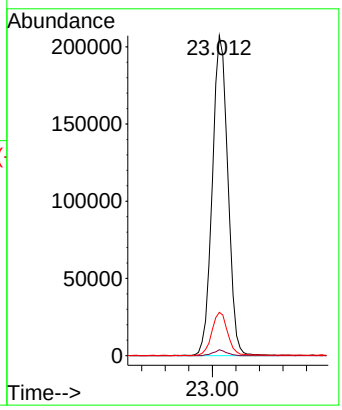




#85
Di-n-octyl phthalate
Concen: 18.740 ng
RT: 23.012 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:149 Resp: 38089

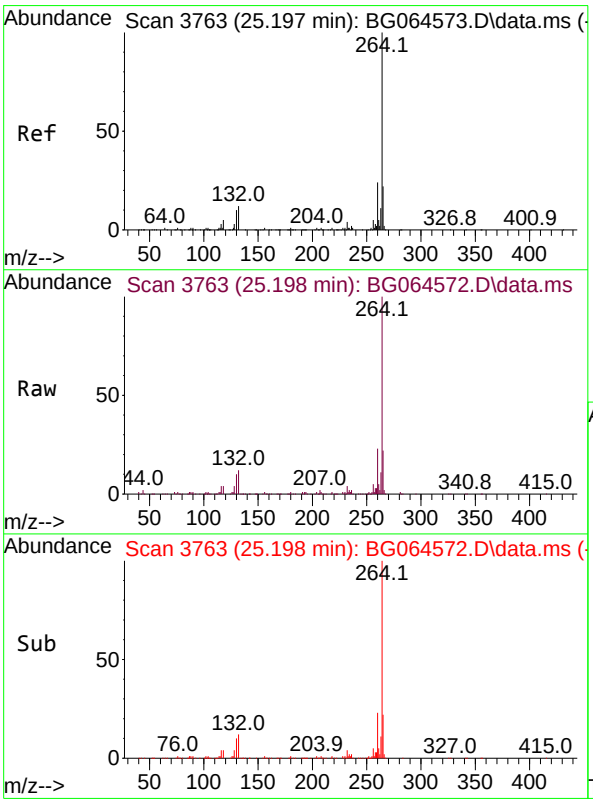
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	14.0	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

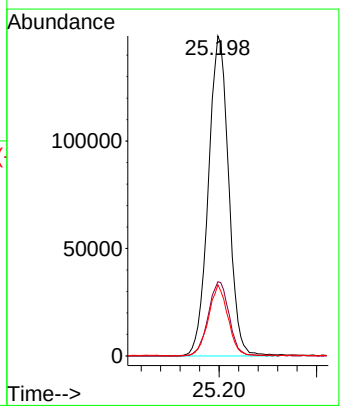
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

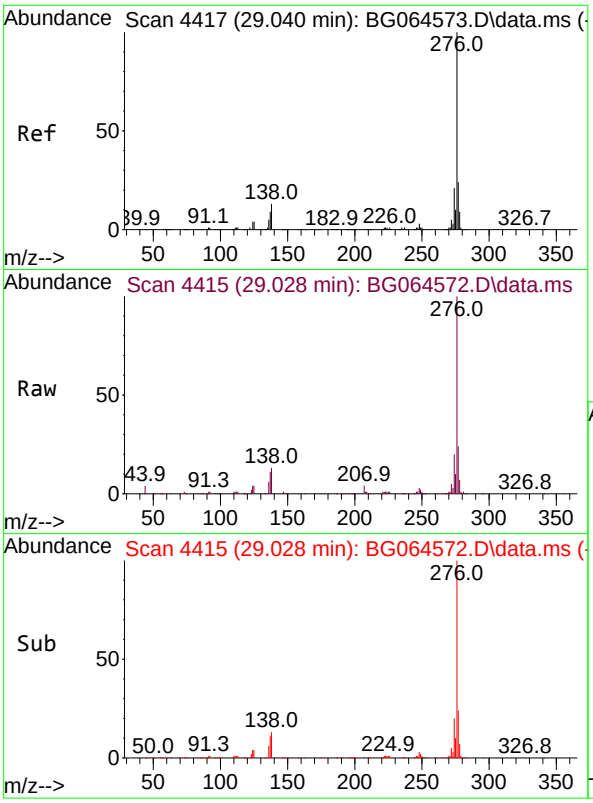


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.198 min Scan# 3763
Delta R.T. -0.003 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:264 Resp: 430370

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	22.2	17.6	26.4

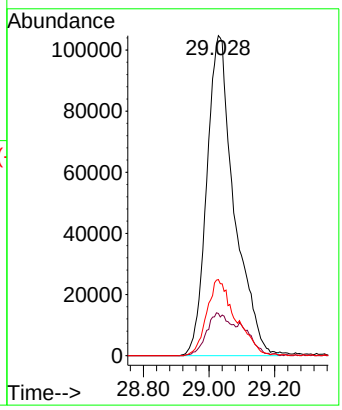




#87
Indeno(1,2,3-cd)pyrene
Concen: 19.163 ng
RT: 29.028 min Scan# 44
Delta R.T. -0.032 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 606702

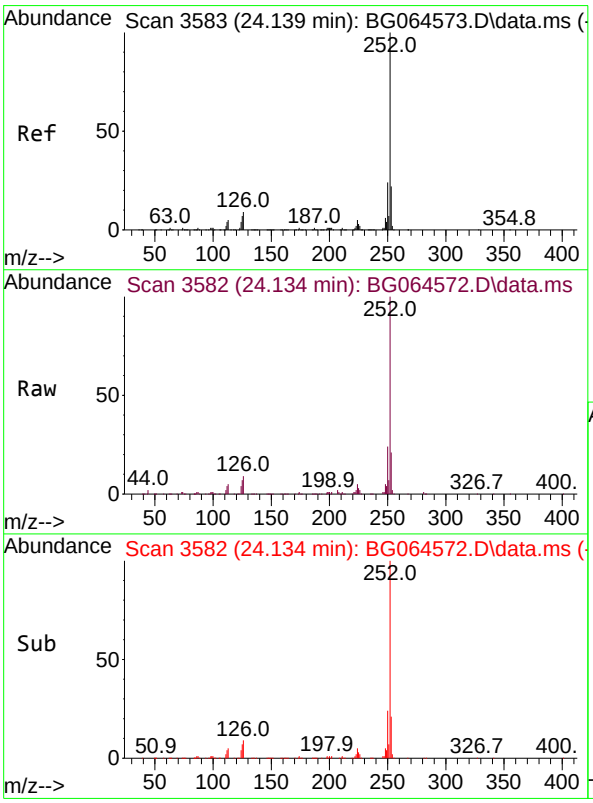
Ion	Ratio	Lower	Upper
276	100		
138	12.0	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

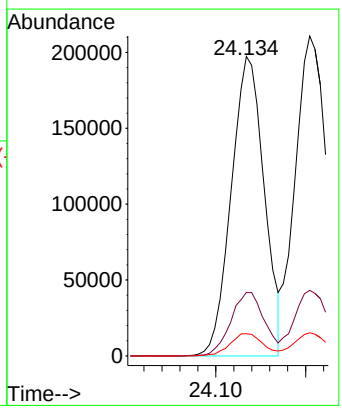
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

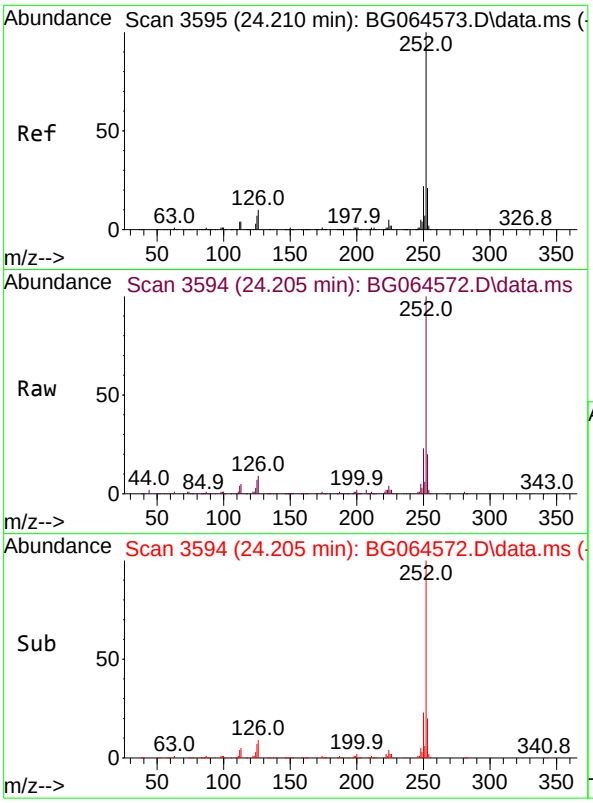


#88
Benzo(b)fluoranthene
Concen: 19.066 ng
RT: 24.134 min Scan# 3582
Delta R.T. -0.009 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 503145

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	7.4	5.6	8.4

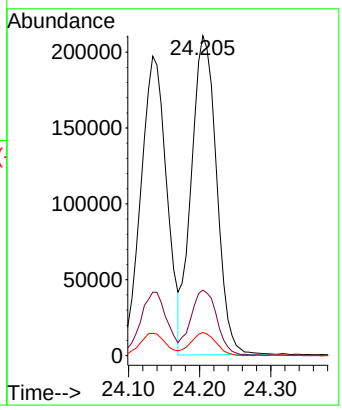




#89
Benzo(k)fluoranthene
Concen: 19.650 ng
RT: 24.205 min Scan# 3
Delta R.T. -0.015 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 51891

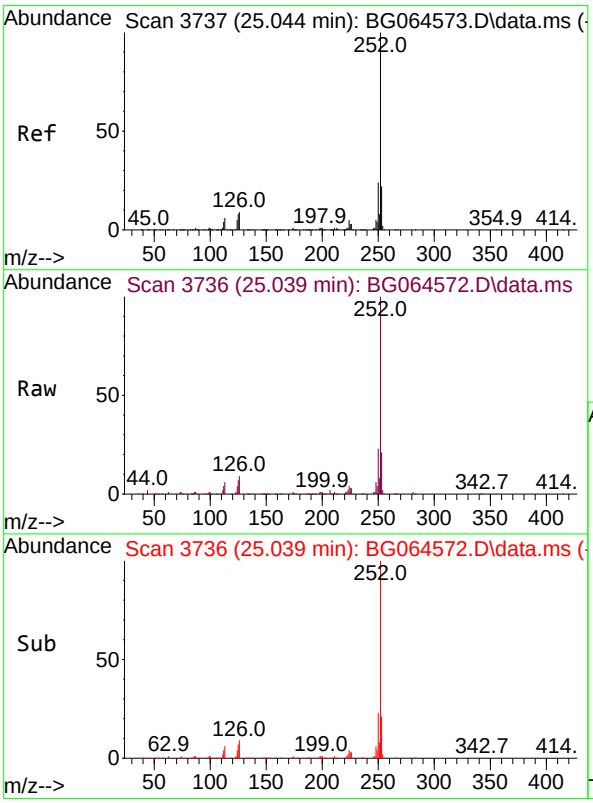
Ion	Ratio	Lower	Upper
252	100		
253	20.5	16.8	25.2
125	7.2	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

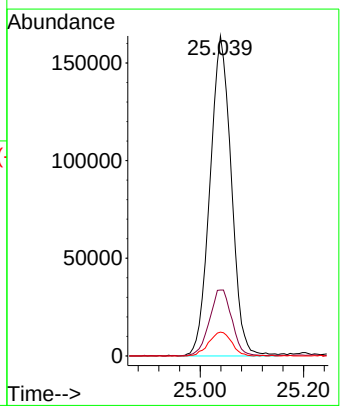
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

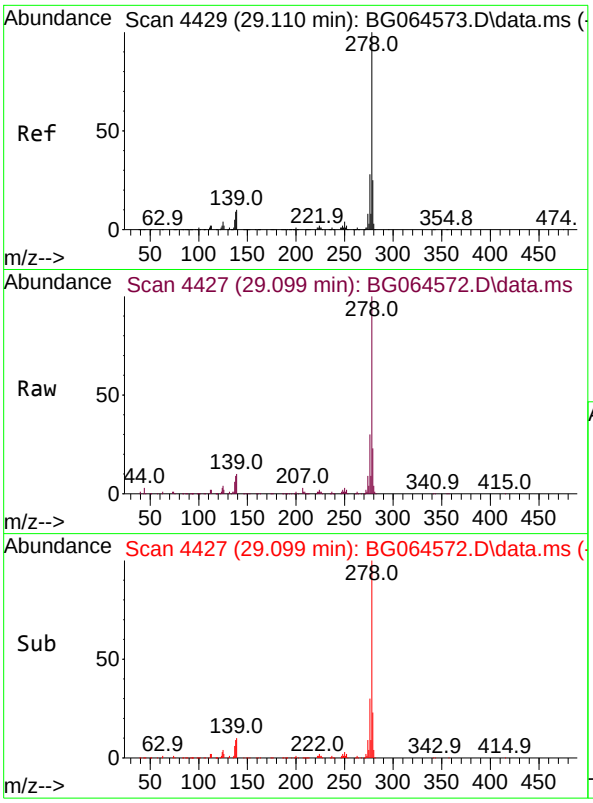


#90
Benzo(a)pyrene
Concen: 19.398 ng
RT: 25.039 min Scan# 3736
Delta R.T. -0.021 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:252 Resp: 470556

Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.6	26.4
125	7.4	6.1	9.1

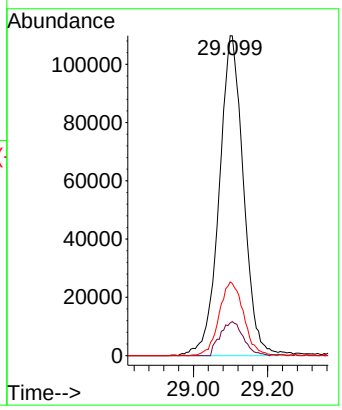




#91
Dibenzo(a,h)anthracene
Concen: 19.377 ng
RT: 29.099 min Scan# 44
Delta R.T. -0.038 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:278 Resp: 49839

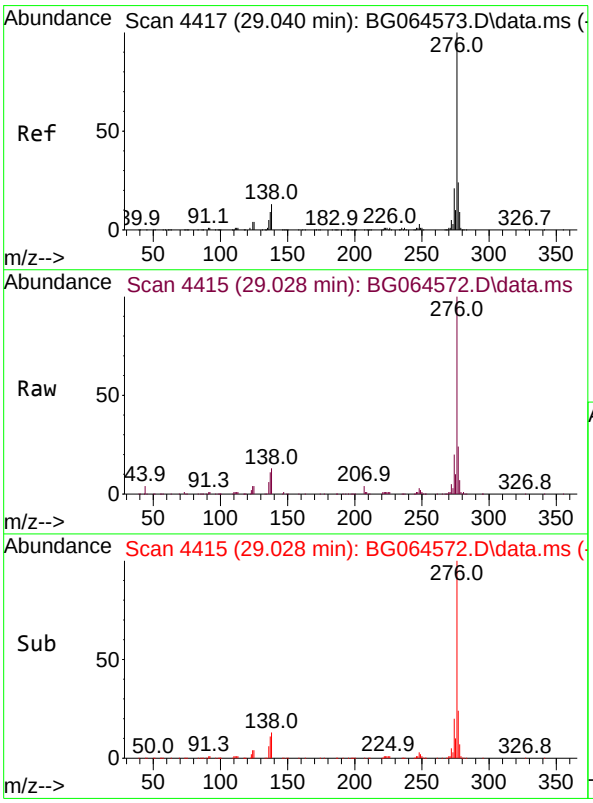
Ion	Ratio	Lower	Upper
278	100		
139	10.2	8.0	12.0
279	23.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

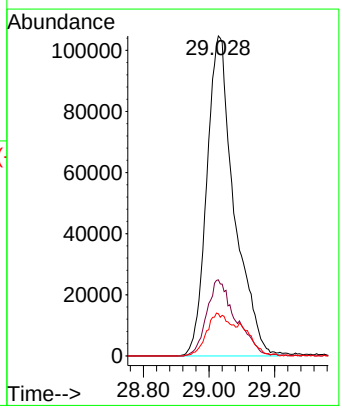
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 19.163 ng
RT: 29.028 min Scan# 4415
Delta R.T. -0.032 min
Lab File: BG064572.D
Acq: 24 Oct 2025 12:23

Tgt Ion:276 Resp: 606702

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.2	28.8
138	13.2	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	40195	20.000	ng	0.00
21) Naphthalene-d8	11.049	136	164795	20.000	ng	0.00
39) Acenaphthene-d10	14.845	164	130542	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	313311	20.000	ng	0.00
76) Chrysene-d12	21.860	240	332834	20.000	ng	0.00
86) Perylene-d12	25.197	264	350897	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.749	112	207807	86.778	ng	0.00
7) Phenol-d6	7.353	99	284694	86.638	ng	0.00
23) Nitrobenzene-d5	9.386	82	248341	90.513	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	165976	88.092	ng	0.00
45) 2-Fluorobiphenyl	13.476	172	722477	83.888	ng	0.00
79) Terphenyl-d14	20.174	244	1521028	86.242	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.587	88	42215	39.818	ng	100
3) Pyridine	3.998	79	134153	42.136	ng	100
4) n-Nitrosodimethylamine	3.904	42	72367	42.385	ng	100
6) Aniline	7.530	93	191799	42.894	ng	100
8) 2-Chlorophenol	7.776	128	110414	44.051	ng	100
9) Benzaldehyde	7.342	77	75557	42.117	ng	100
10) Phenol	7.377	94	156259	42.998	ng	100
11) bis(2-Chloroethyl)ether	7.530	93	191799	42.894	ng	100
12) 1,3-Dichlorobenzene	8.111	146	122224	42.367	ng	100
13) 1,4-Dichlorobenzene	8.258	146	123314	42.038	ng	100
14) 1,2-Dichlorobenzene	8.581	146	119228	42.140	ng	100
15) Benzyl Alcohol	8.446	79	114526	42.265	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.740	45	300095	42.819	ng	100
17) 2-Methylphenol	8.446	107	59910	44.231	ng	100
18) Hexachloroethane	9.322	117	43488	42.246	ng	100
19) n-Nitroso-di-n-propyla...	9.028	70	98647	43.438	ng	100
20) 3+4-Methylphenols	8.975	107	146177	43.080	ng	100
22) Acetophenone	9.045	105	192583	42.750	ng	100
24) Nitrobenzene	9.427	77	135107	45.274	ng	100
25) Isophorone	9.956	82	286439	43.507	ng	100
26) 2-Nitrophenol	10.144	139	45134	39.772	ng	100
27) 2,4-Dimethylphenol	10.191	122	110518	44.243	ng	100
28) bis(2-Chloroethoxy)met...	10.438	93	161449	43.070	ng	100
29) 2,4-Dichlorophenol	10.679	162	118669	45.026	ng	100
30) 1,2,4-Trichlorobenzene	10.908	180	128902	43.046	ng	100
31) Naphthalene	11.096	128	388032	42.469	ng	100
32) Benzoic acid	10.309	122	72661m	41.457	ng	
33) 4-Chloroaniline	11.190	127	151231	42.585	ng	100
34) Hexachlorobutadiene	11.390	225	98683	42.139	ng	100
35) Caprolactam	11.948	113	44205	43.731	ng	100
36) 4-Chloro-3-methylphenol	12.289	107	140272	44.278	ng	100
37) 2-Methylnaphthalene	12.688	142	285089	42.499	ng	100
38) 1-Methylnaphthalene	12.906	142	281256	42.611	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	183376	41.856	ng	100
41) Hexachlorocyclopentadiene	13.041	237	84505	42.853	ng	100
43) 2,4,6-Trichlorophenol	13.276	196	110509	44.097	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 24 17:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	126360	43.694	ng	100
46) 1,1'-Biphenyl	13.681	154	388718	41.885	ng	100
47) 2-Chloronaphthalene	13.728	162	295501	42.182	ng	100
48) 2-Nitroaniline	13.910	65	90958	39.303	ng	100
49) Acenaphthylene	14.568	152	466393	42.209	ng	100
50) Dimethylphthalate	14.286	163	428475	42.894	ng	100
51) 2,6-Dinitrotoluene	14.398	165	64452	39.696	ng	100
52) Acenaphthene	14.909	154	319250	42.289	ng	100
53) 3-Nitroaniline	14.727	138	76841	44.762	ng	100
54) 2,4-Dinitrophenol	14.927	184	35677	38.390	ng	100
55) Dibenzofuran	15.238	168	512547	41.995	ng	100
56) 4-Nitrophenol	15.009	139	68064	42.765	ng	100
57) 2,4-Dinitrotoluene	15.179	165	100448	39.962	ng	100
58) Fluorene	15.884	166	399745	41.939	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.456	232	121762	44.030	ng	100
60) Diethylphthalate	15.649	149	432571	42.412	ng	100
61) 4-Chlorophenyl-phenyle...	15.879	204	226104	42.270	ng	100
62) 4-Nitroaniline	15.884	138	85297	44.662	ng	100
63) Azobenzene	16.166	77	401676	42.922	ng	100
65) 4,6-Dinitro-2-methylph...	15.943	198	51829	38.770	ng	100
66) n-Nitrosodiphenylamine	16.084	169	365624	43.201	ng	100
67) 4-Bromophenyl-phenylether	16.766	248	161744	43.563	ng	100
68) Hexachlorobenzene	16.889	284	183262	43.265	ng	100
69) Atrazine	17.024	200	153706	42.203	ng	100
70) Pentachlorophenol	17.224	266	112769	42.694	ng	100
71) Phenanthrene	17.624	178	728184	42.500	ng	100
72) Anthracene	17.712	178	743567	42.663	ng	100
73) Carbazole	17.970	167	646319	42.053	ng	100
74) Di-n-butylphthalate	18.534	149	776847	43.711	ng	100
75) Fluoranthene	19.615	202	902557	42.050	ng	100
77) Benzidine	19.780	184	325845	43.697	ng	100
78) Pyrene	19.974	202	939110	43.186	ng	100
80) Butylbenzylphthalate	20.855	149	299706	45.601	ng	100
81) Benzo(a)anthracene	21.836	228	942839	42.723	ng	100
82) 3,3'-Dichlorobenzidine	21.742	252	317851	43.131	ng	100
83) Chrysene	21.907	228	894813	42.613	ng	100
84) Bis(2-ethylhexyl)phtha...	21.748	149	446785	45.494	ng	100
85) Di-n-octyl phthalate	23.011	149	723360	43.688	ng	100
87) Indeno(1,2,3-cd)pyrene	29.040	276	1100259	42.624	ng	100
88) Benzo(b)fluoranthene	24.139	252	927550	43.108	ng	100
89) Benzo(k)fluoranthene	24.210	252	901706	41.878	ng	100
90) Benzo(a)pyrene	25.044	252	843258	42.635	ng	100
91) Dibenzo(a,h)anthracene	29.110	278	889808	42.430	ng	100
92) Benzo(g,h,i)perylene	29.040	276	1100259	42.624	ng	100

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

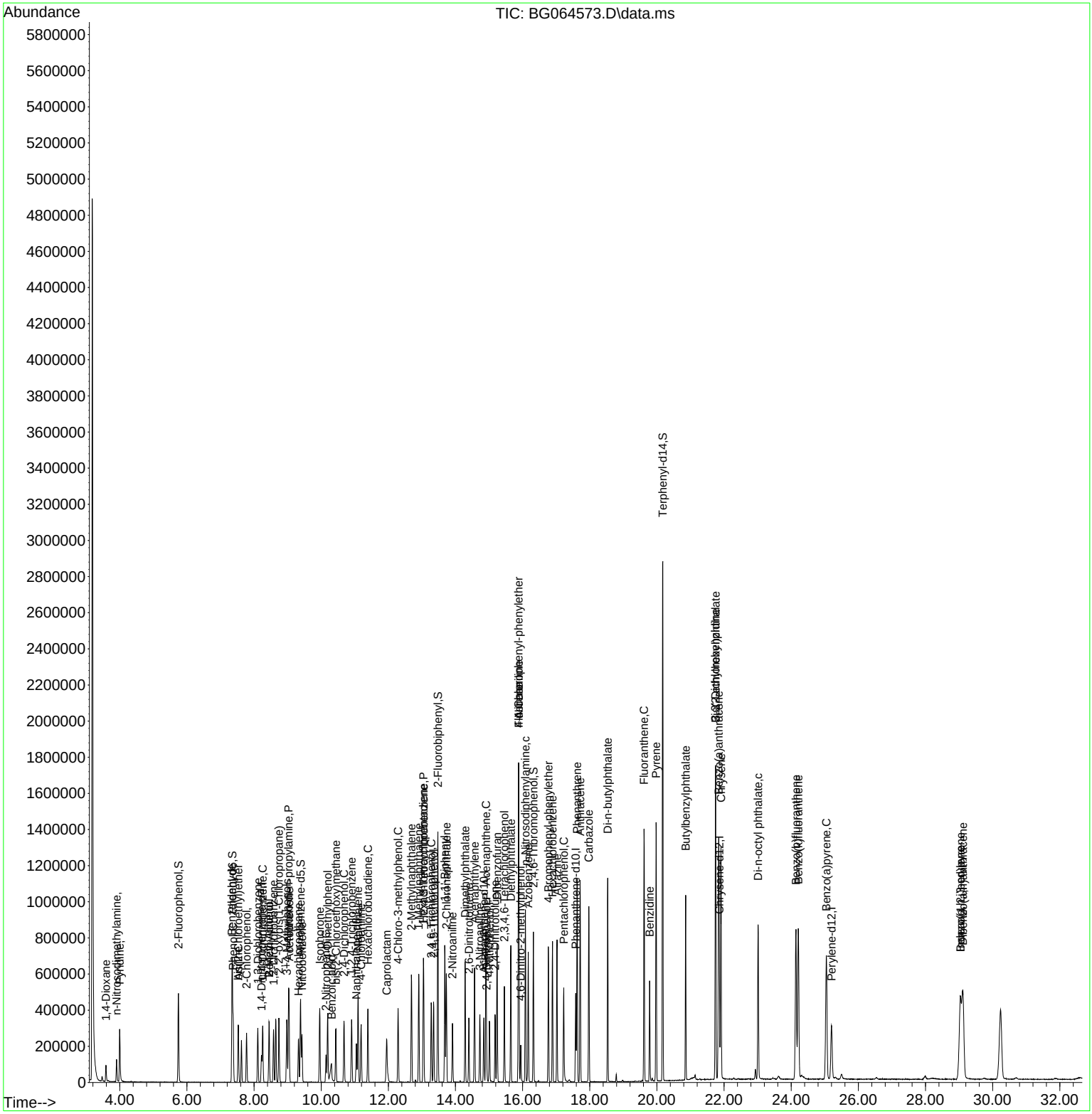
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064573.D
Acq On : 24 Oct 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

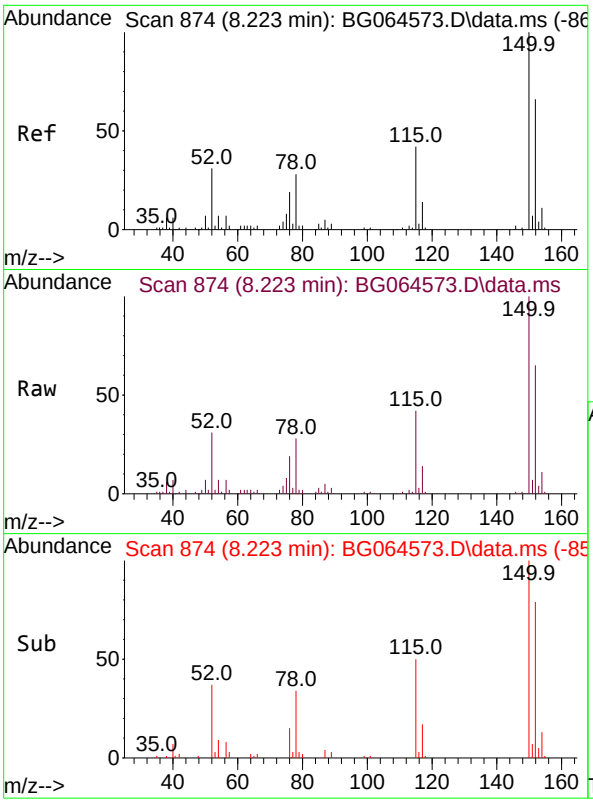
Quant Time: Oct 24 17:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

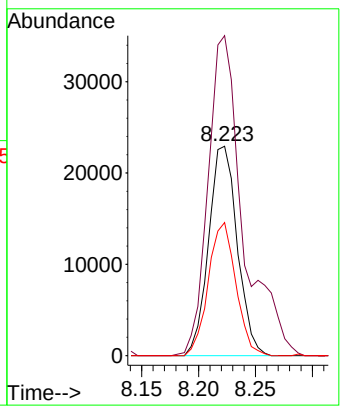




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 4019

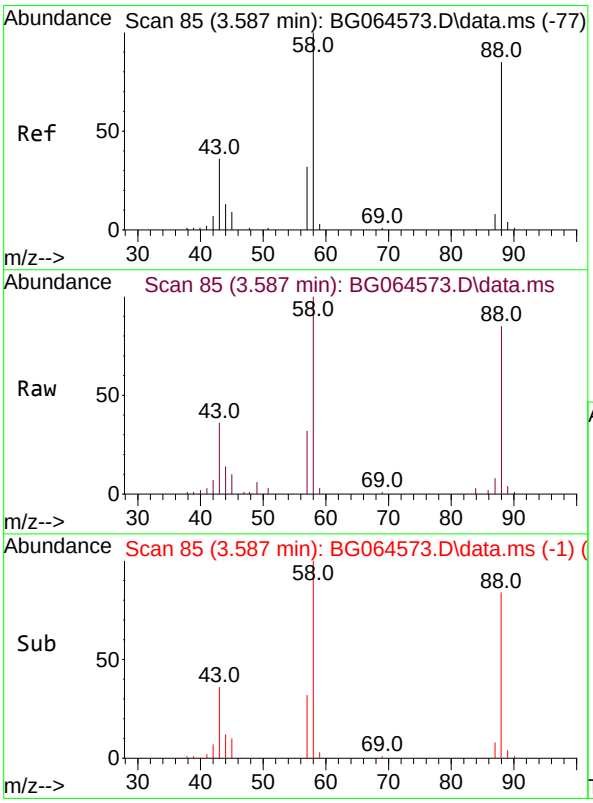
Ion	Ratio	Lower	Upper
152	100		
150	152.8	122.2	183.4
115	63.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

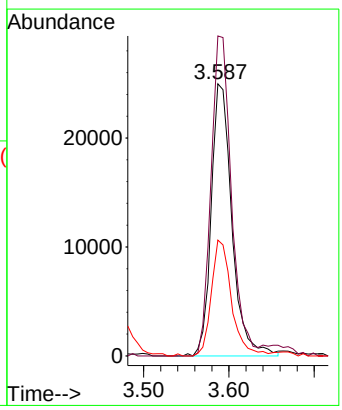
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

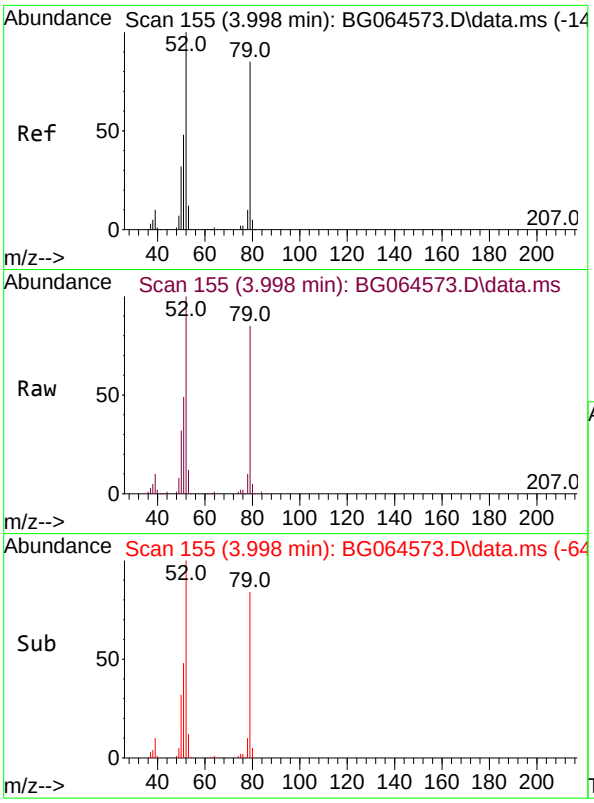


#2
1,4-Dioxane
Concen: 39.818 ng
RT: 3.587 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 88 Resp: 42215

Ion	Ratio	Lower	Upper
88	100		
58	115.5	92.4	138.6
43	41.3	33.0	49.6

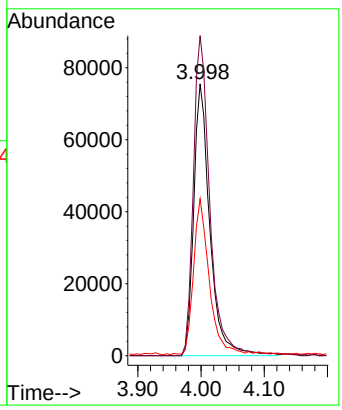




#3
Pyridine
Concen: 42.136 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 13415

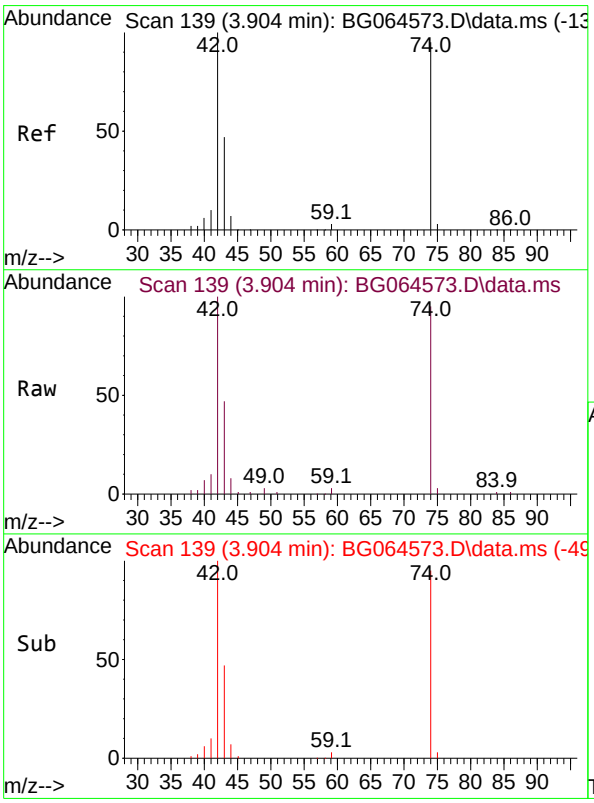
Ion	Ratio	Lower	Upper
79	100		
52	117.7	94.2	141.2
51	57.6	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

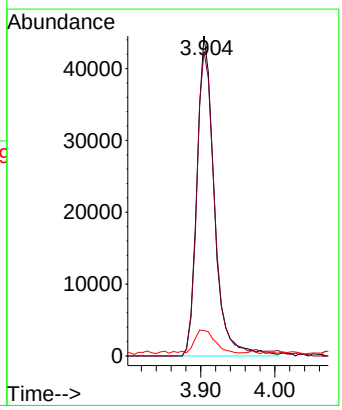
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

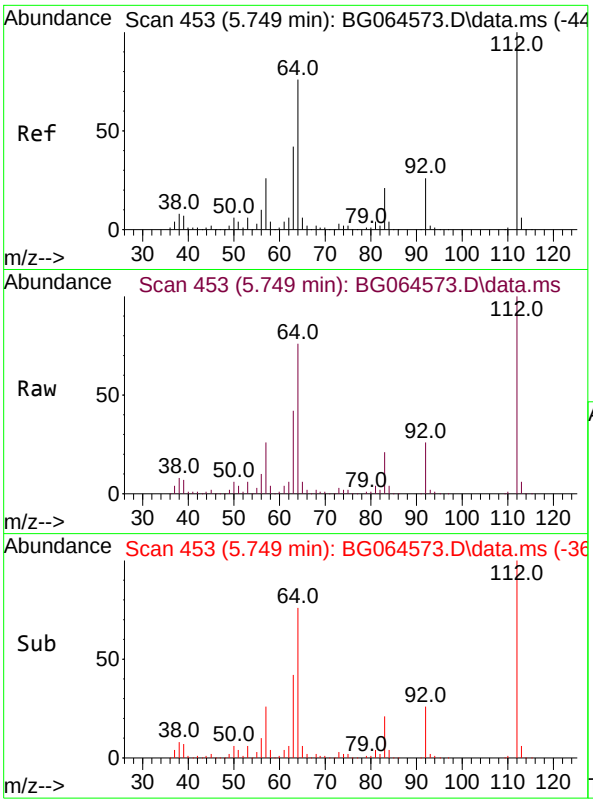


#4
n-Nitrosodimethylamine
Concen: 42.385 ng
RT: 3.904 min Scan# 139
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 42 Resp: 72367

Ion	Ratio	Lower	Upper
42	100		
74	95.1	76.1	114.1
44	7.9	6.3	9.5





#5
2-Fluorophenol
Concen: 86.778 ng
RT: 5.749 min Scan# 4
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

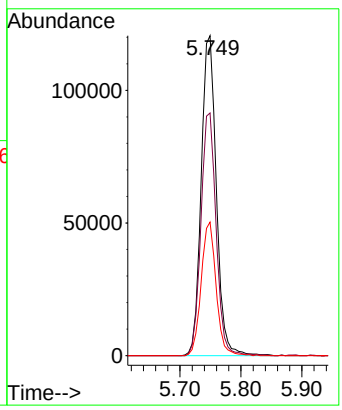
Tgt Ion:112 Resp: 20780

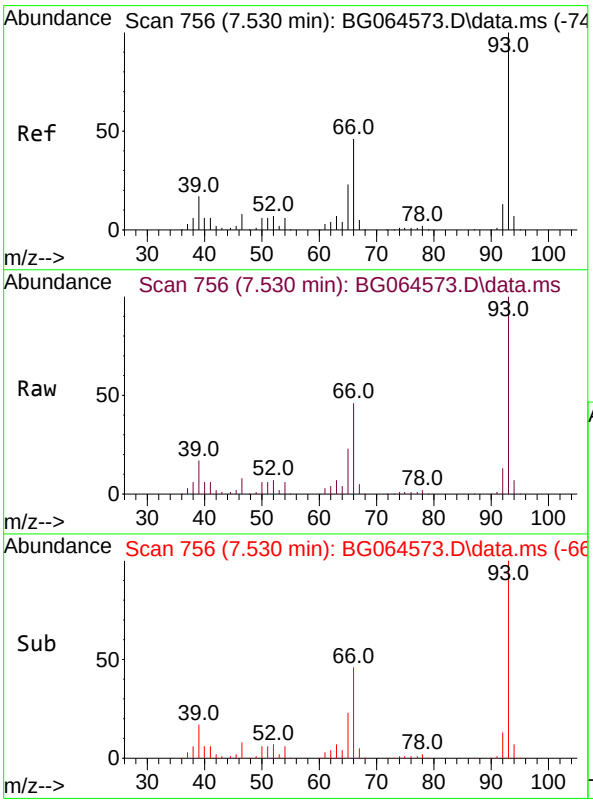
Ion	Ratio	Lower	Upper
112	100		
64	75.9	60.7	91.1
63	41.7	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

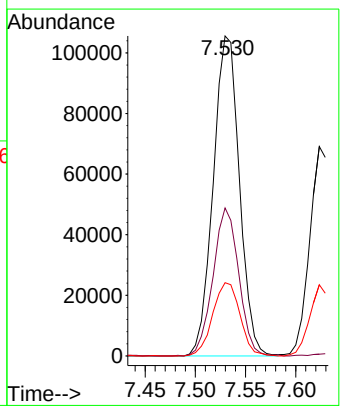


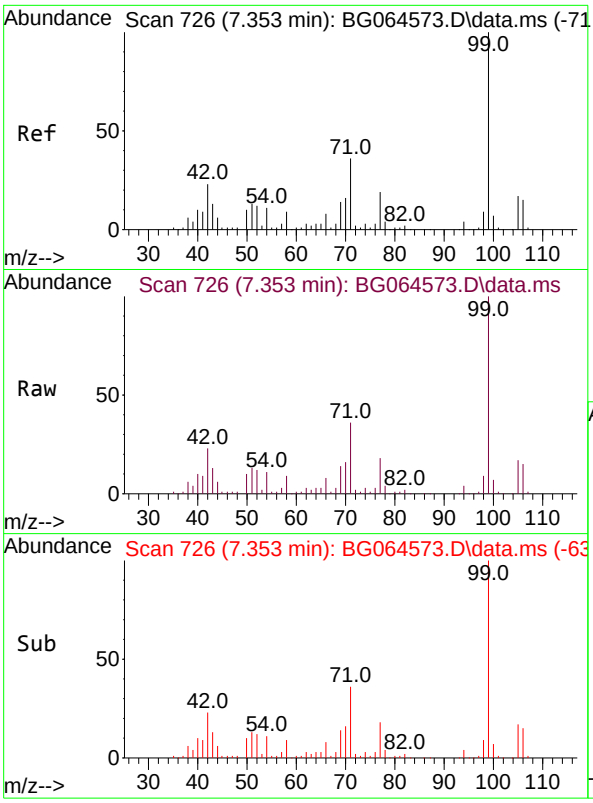


#6
Aniline
Concen: 42.894 ng
RT: 7.530 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 191799

Ion	Ratio	Lower	Upper
93	100		
66	46.3	37.0	55.6
65	22.9	18.3	27.5

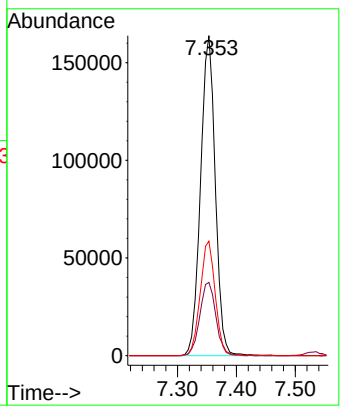




#7
Phenol-d6
Concen: 86.638 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 99 Resp: 28469

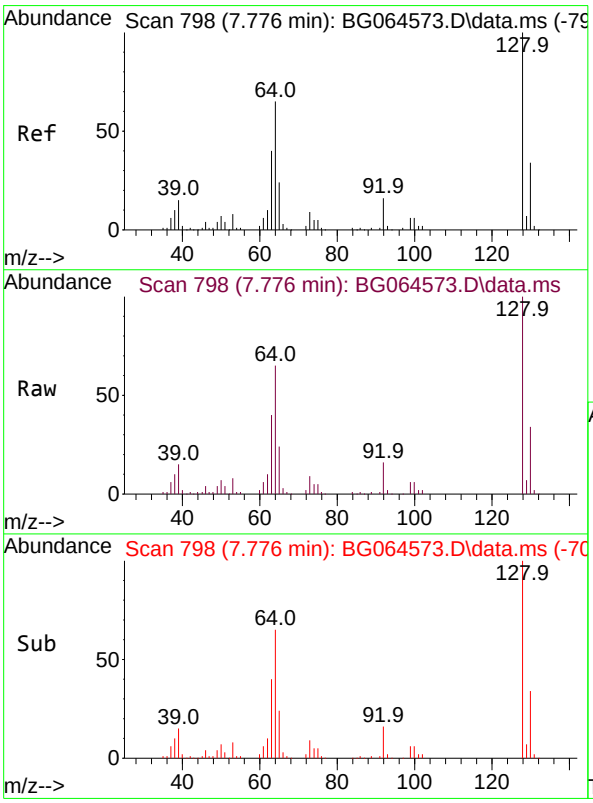
Ion	Ratio	Lower	Upper
99	100		
42	22.9	18.3	27.5
71	35.8	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

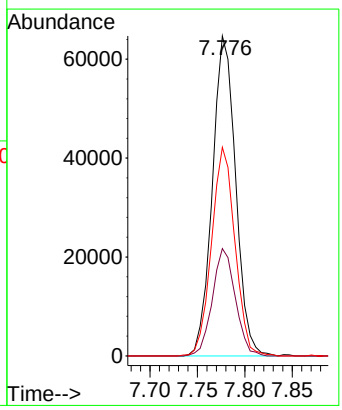
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

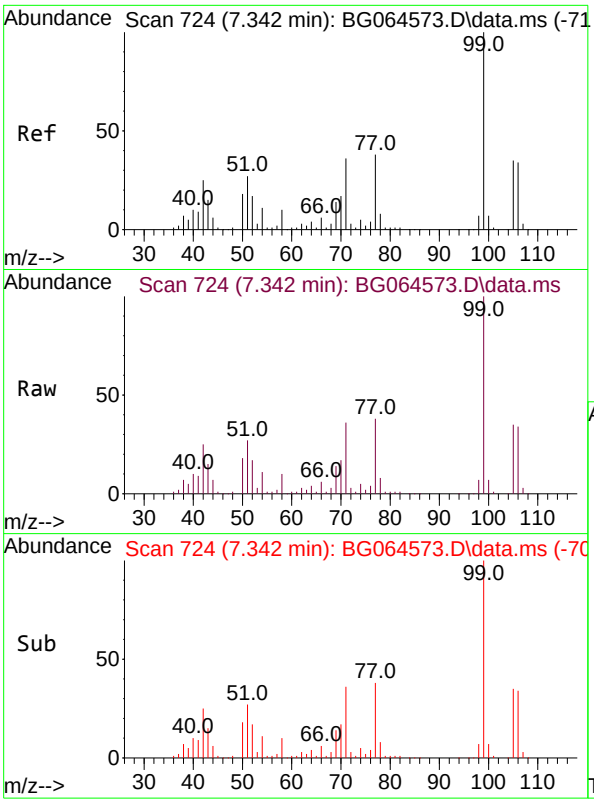


#8
2-Chlorophenol
Concen: 44.051 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 110414

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	65.2	45.2	85.2

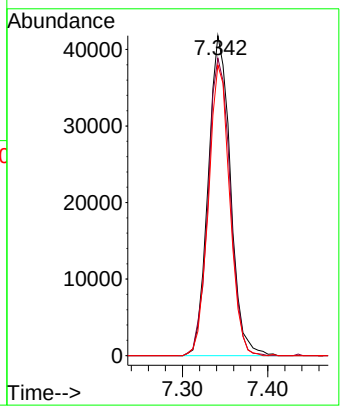




#9
Benzaldehyde
Concen: 42.117 ng
RT: 7.342 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 7555

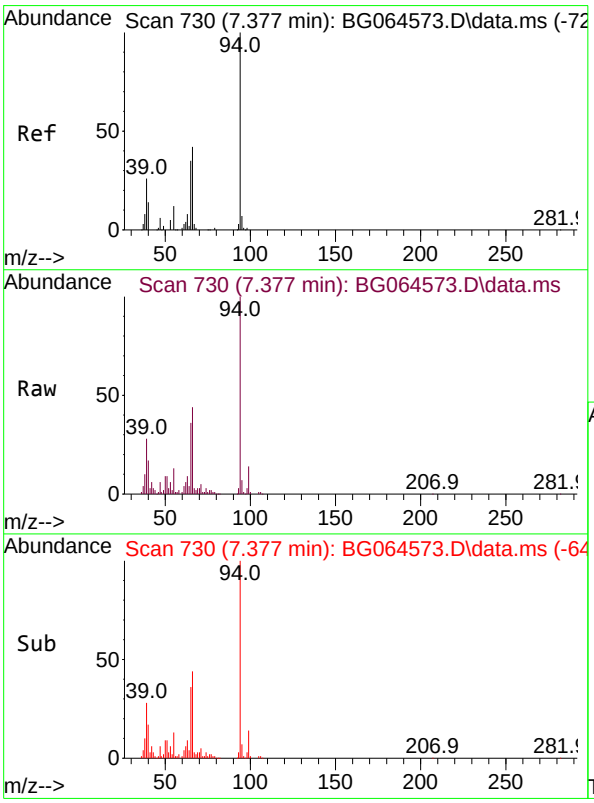
Ion	Ratio	Lower	Upper
77	100		
105	92.9	72.9	112.9
106	90.8	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

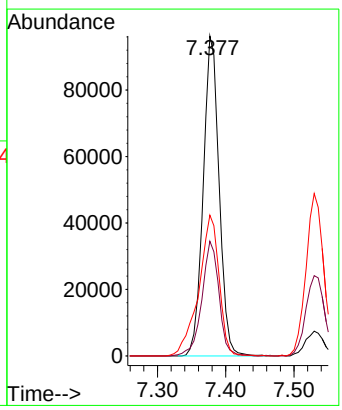
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

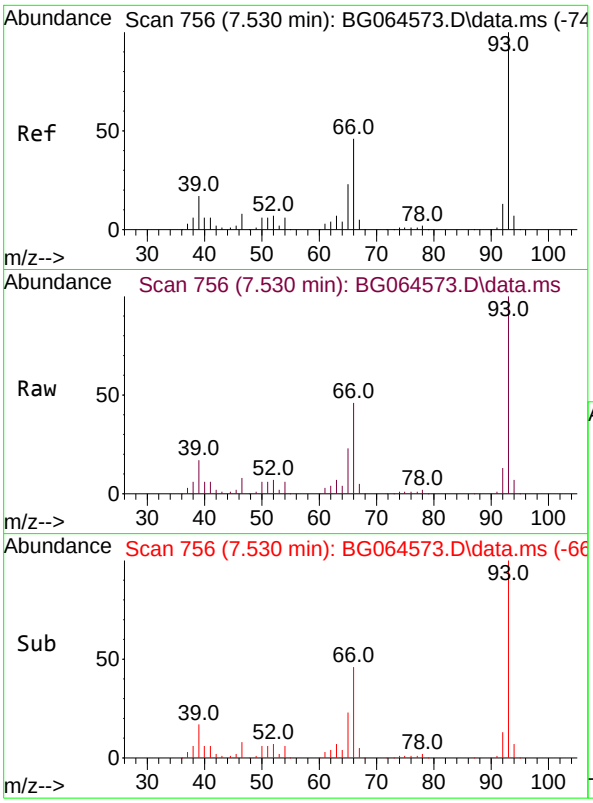


#10
Phenol
Concen: 42.998 ng
RT: 7.377 min Scan# 730
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 94 Resp: 156259

Ion	Ratio	Lower	Upper
94	100		
65	35.8	15.8	55.8
66	44.0	24.0	64.0

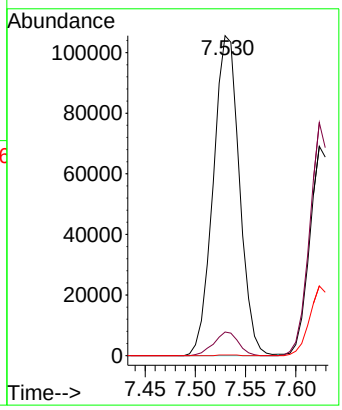




#11
bis(2-Chloroethyl)ether
Concen: 42.894 ng
RT: 7.530 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 19179

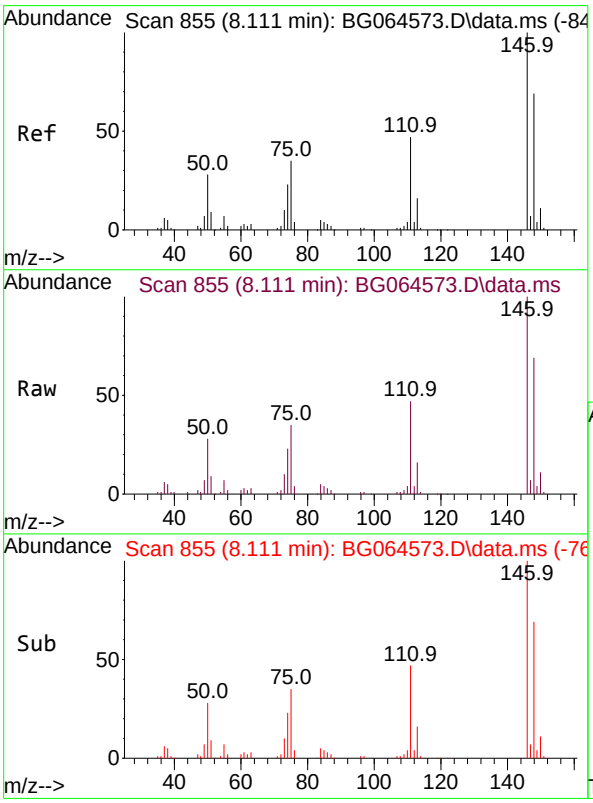
Ion	Ratio	Lower	Upper
93	100		
63	7.4	0.0	27.4
95	0.2	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

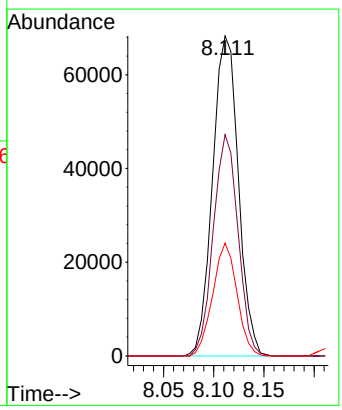
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

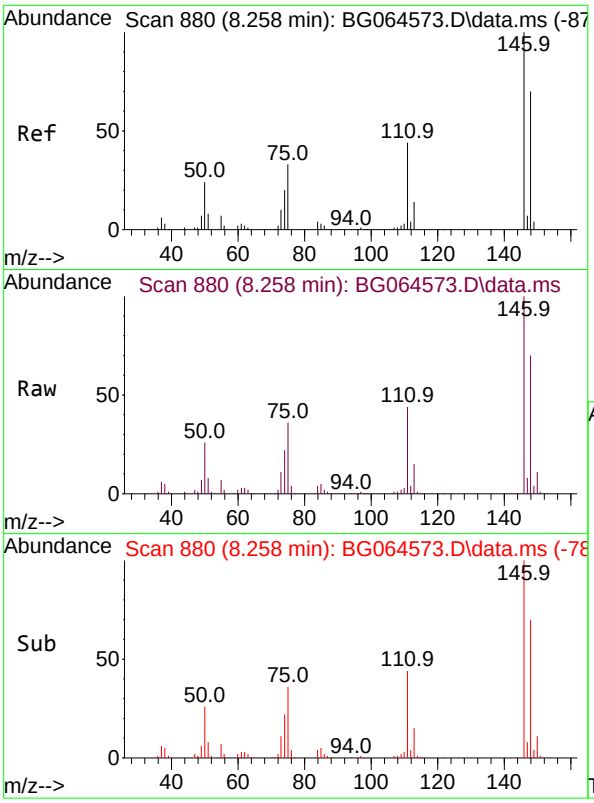


#12
1,3-Dichlorobenzene
Concen: 42.367 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 122224

Ion	Ratio	Lower	Upper
146	100		
148	69.1	55.3	82.9
75	35.2	28.2	42.2

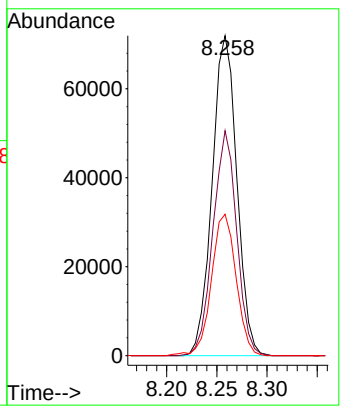




#13
1,4-Dichlorobenzene
Concen: 42.038 ng
RT: 8.258 min Scan# 8
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 12331

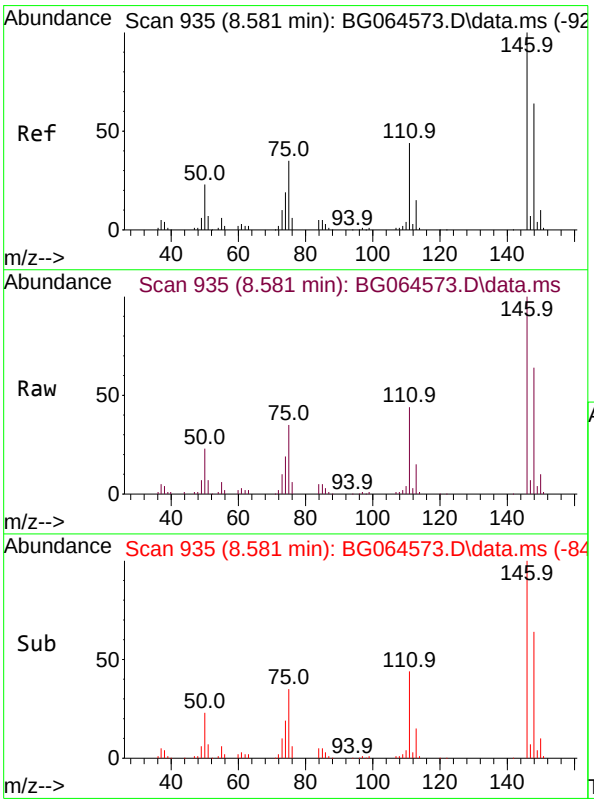
Ion	Ratio	Lower	Upper
146	100		
148	70.3	56.2	84.4
111	44.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

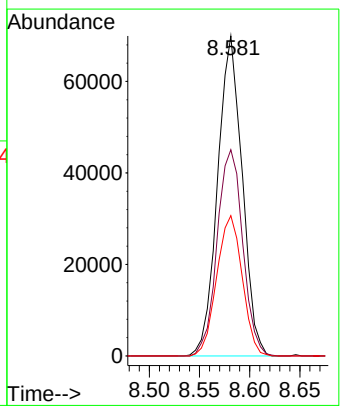
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

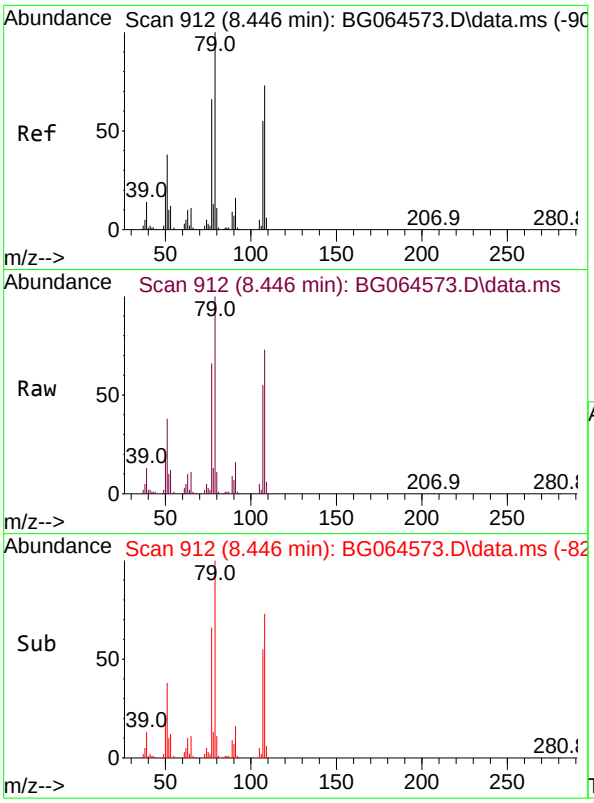


#14
1,2-Dichlorobenzene
Concen: 42.140 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:146 Resp: 119228

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.5	77.3
111	43.8	35.0	52.6

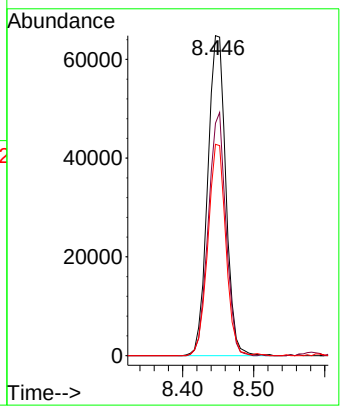




#15
Benzyl Alcohol
Concen: 42.265 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 79 Resp: 11452

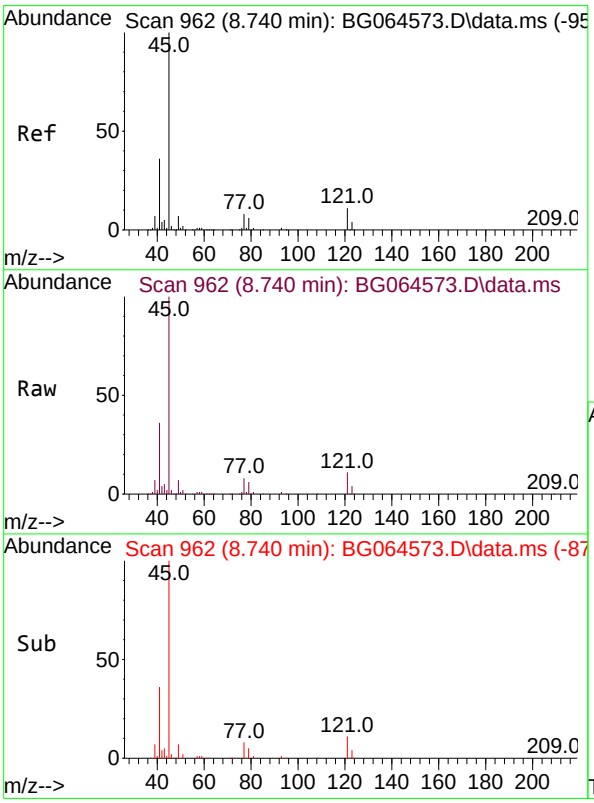
Ion	Ratio	Lower	Upper
79	100		
108	72.6	58.1	87.1
77	66.0	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

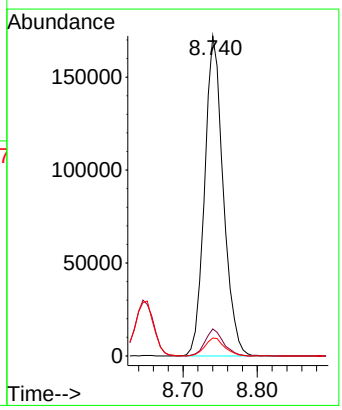
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

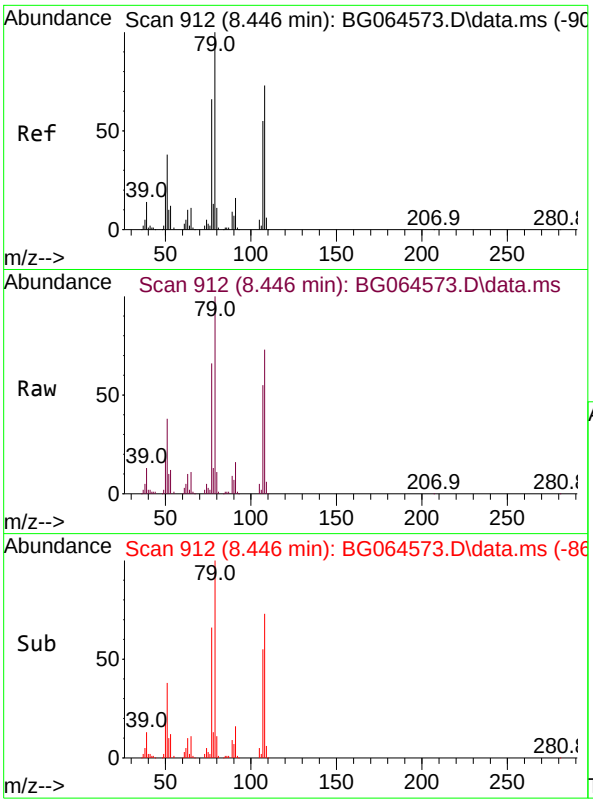


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.819 ng
RT: 8.740 min Scan# 962
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 45 Resp: 300095

Ion	Ratio	Lower	Upper
45	100		
77	8.5	0.0	28.5
79	5.6	0.0	25.6

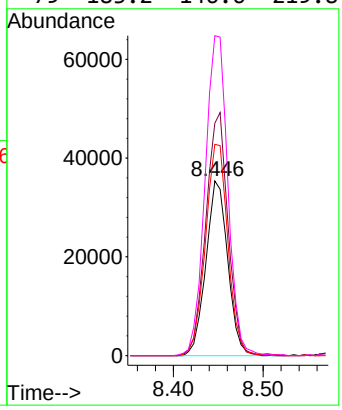




#17
2-Methylphenol
Concen: 44.231 ng
RT: 8.446 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 5991

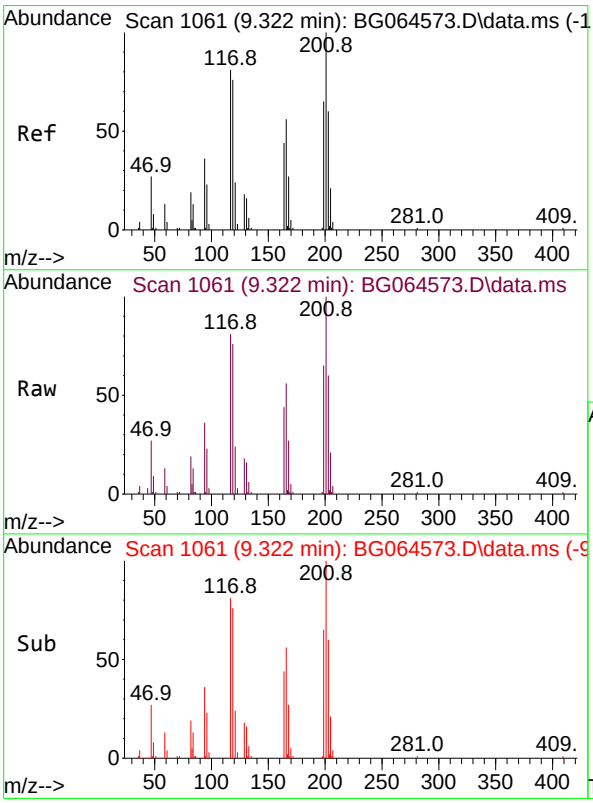
Ion	Ratio	Lower	Upper
107	100		
108	133.0	106.4	159.6
77	120.9	96.7	145.1
79	183.2	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

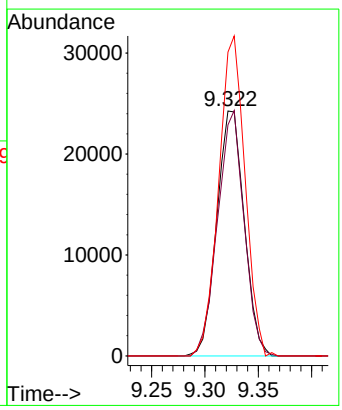
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

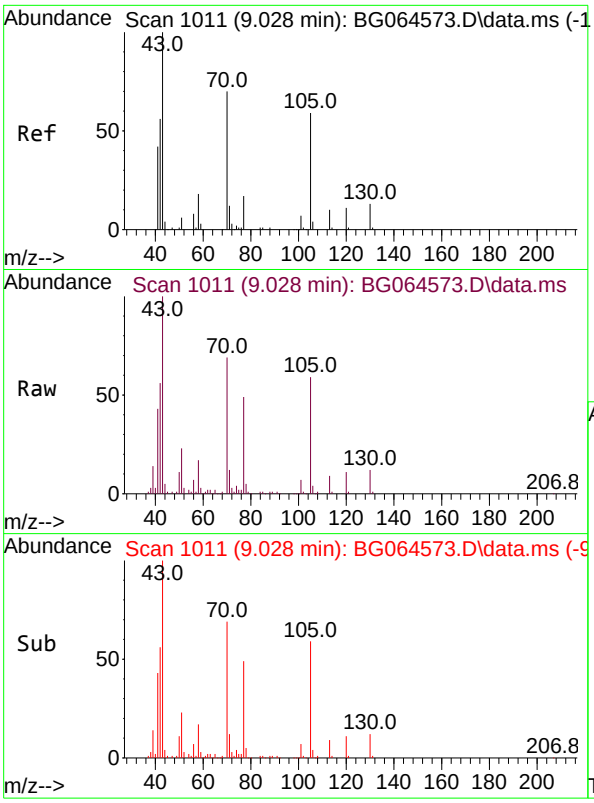


#18
Hexachloroethane
Concen: 42.246 ng
RT: 9.322 min Scan# 1061
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:117 Resp: 43488

Ion	Ratio	Lower	Upper
117	100		
119	94.3	75.4	113.2
201	124.0	99.2	148.8

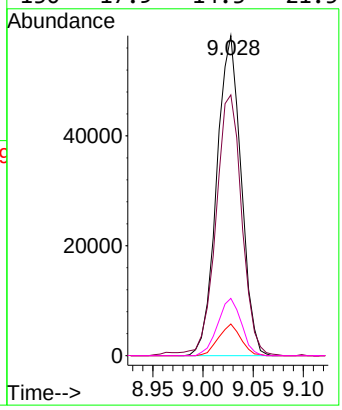




#19
n-Nitroso-di-n-propylamine
Concen: 43.438 ng
RT: 9.028 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 70 Resp: 9864

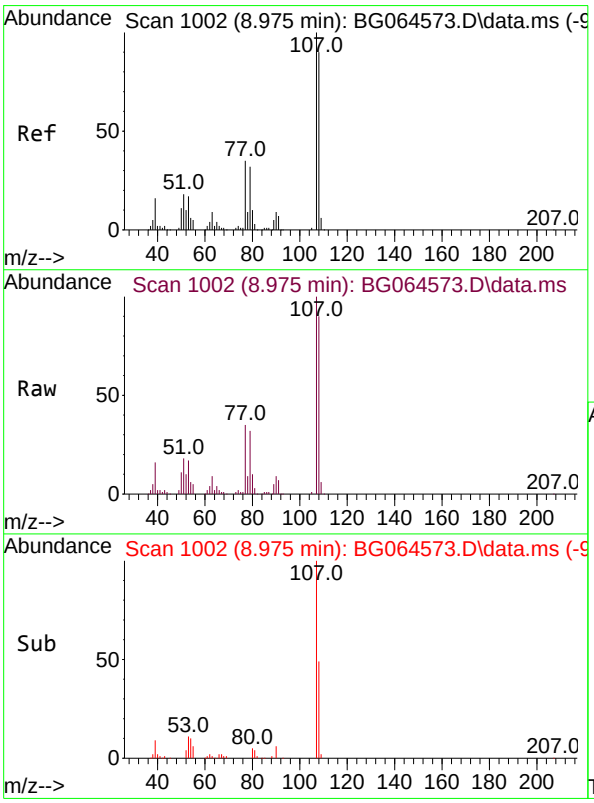
Ion	Ratio	Lower	Upper
70	100		
42	81.5	65.2	97.8
101	9.9	7.9	11.9
130	17.9	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

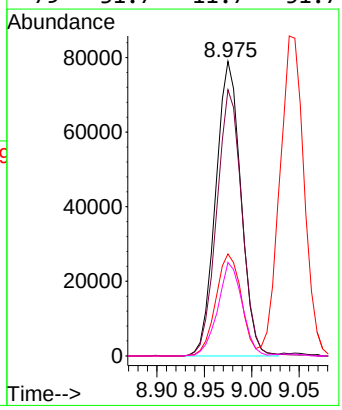
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

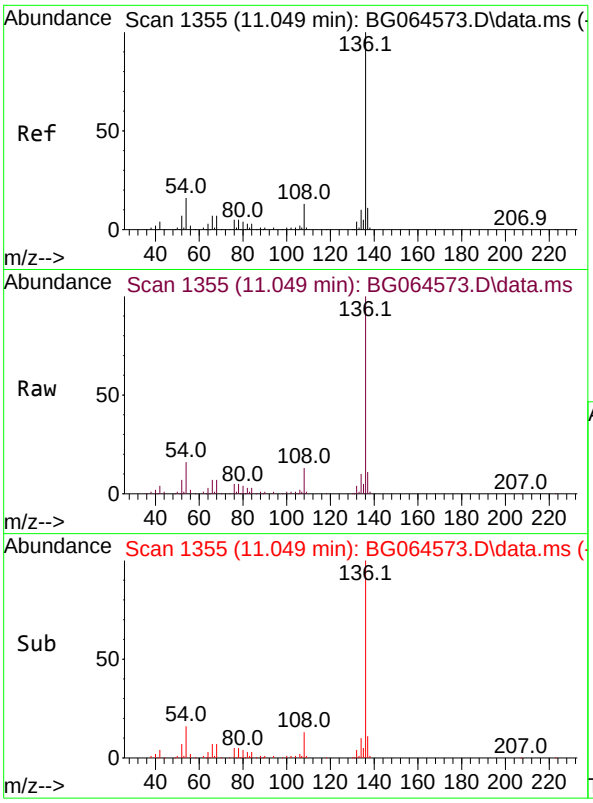


#20
3+4-Methylphenols
Concen: 43.080 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 146177

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.3	110.3
77	34.6	14.6	54.6
79	31.7	11.7	51.7

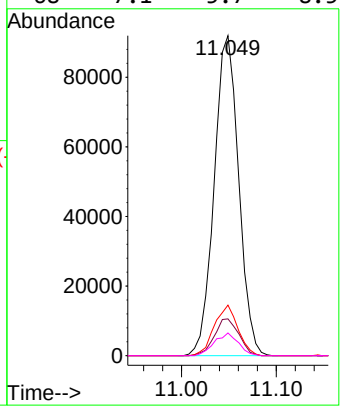




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.049 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:136 Resp: 16479

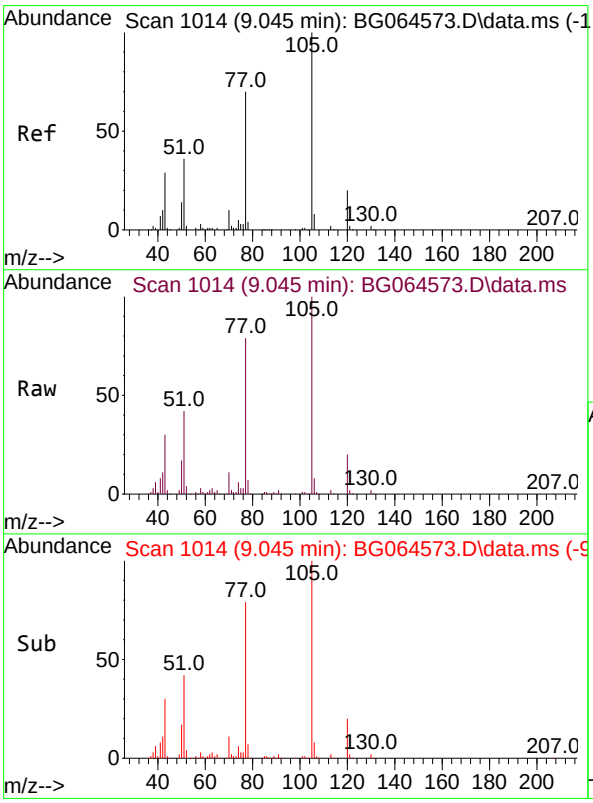
Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	15.8	12.6	19.0
68	7.1	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

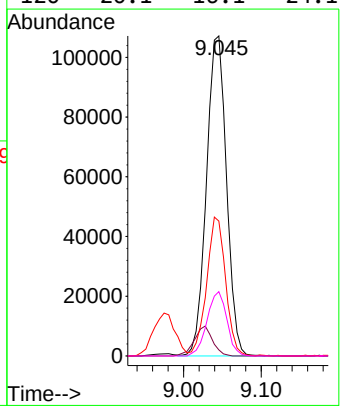
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

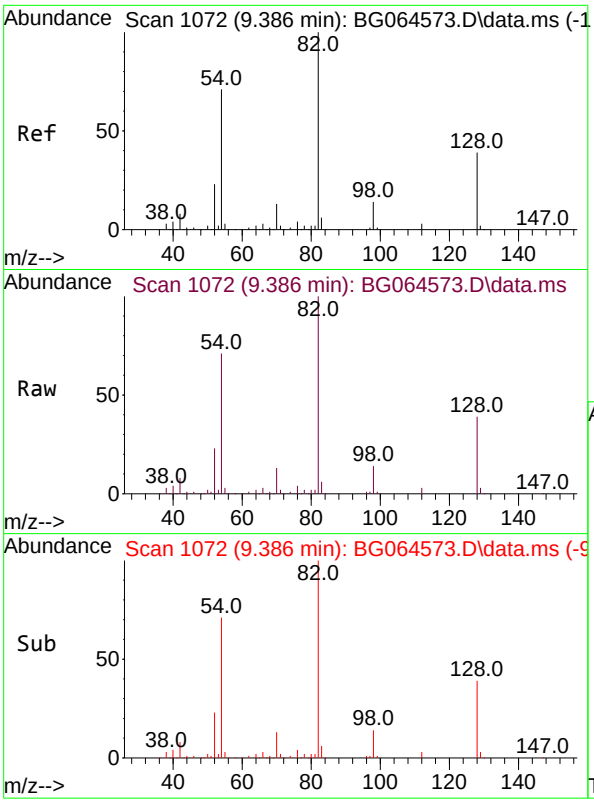


#22
Acetophenone
Concen: 42.750 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:105 Resp: 192583

Ion	Ratio	Lower	Upper
105	100		
71	1.9	1.5	2.3
51	42.1	33.7	50.5
120	20.1	16.1	24.1

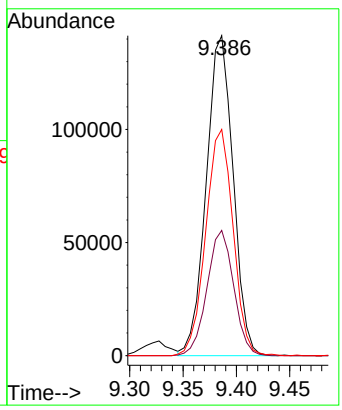




#23
Nitrobenzene-d5
Concen: 90.513 ng
RT: 9.386 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 248341

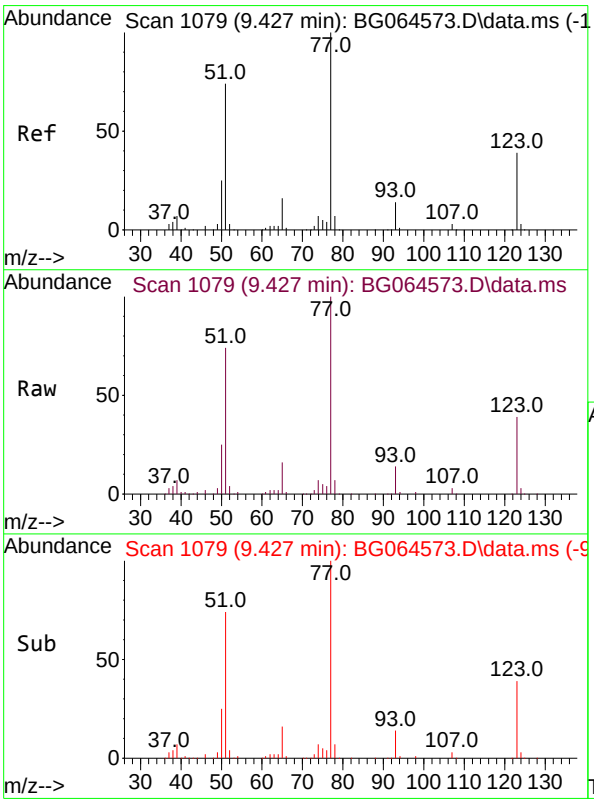
Ion	Ratio	Lower	Upper
82	100		
128	39.1	31.3	46.9
54	70.7	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

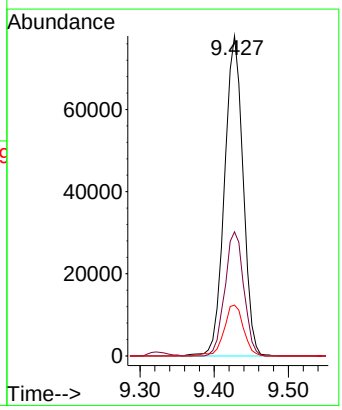
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

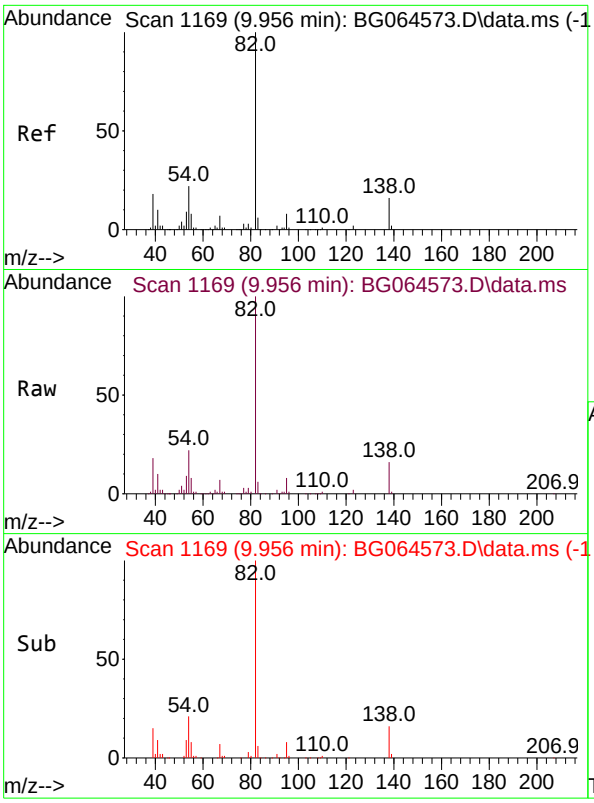


#24
Nitrobenzene
Concen: 45.274 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 135107

Ion	Ratio	Lower	Upper
77	100		
123	38.8	31.0	46.6
65	15.9	12.7	19.1

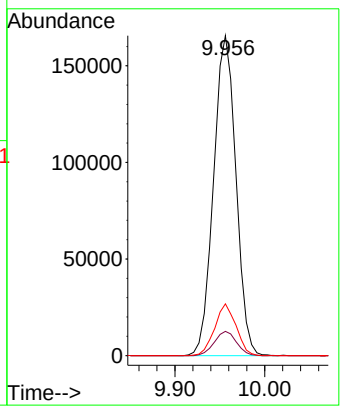




#25
Isophorone
Concen: 43.507 ng
RT: 9.956 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 82 Resp: 28643

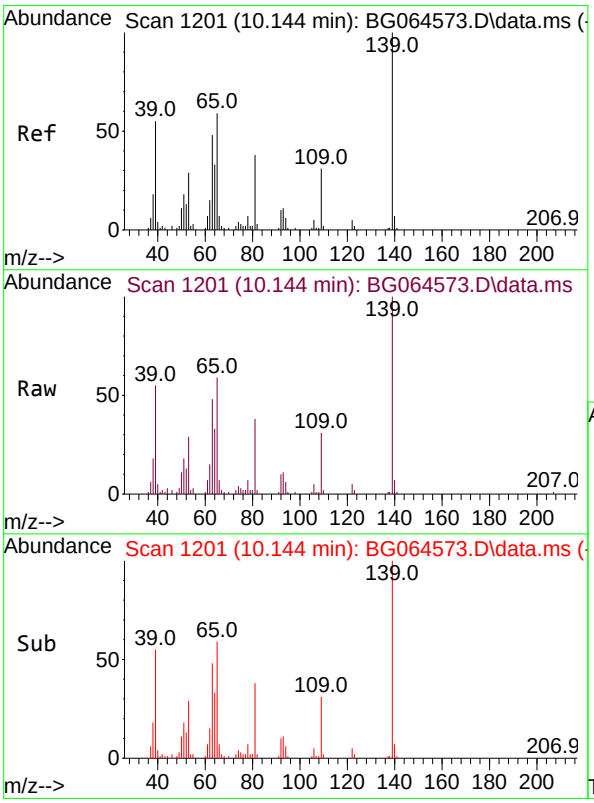
Ion	Ratio	Lower	Upper
82	100		
95	7.6	6.1	9.1
138	16.2	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

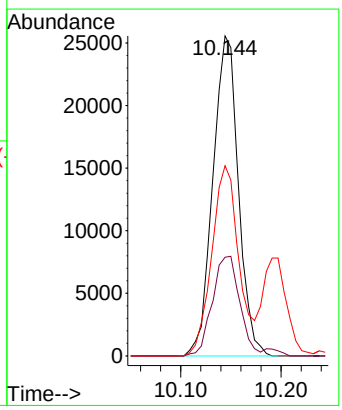
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

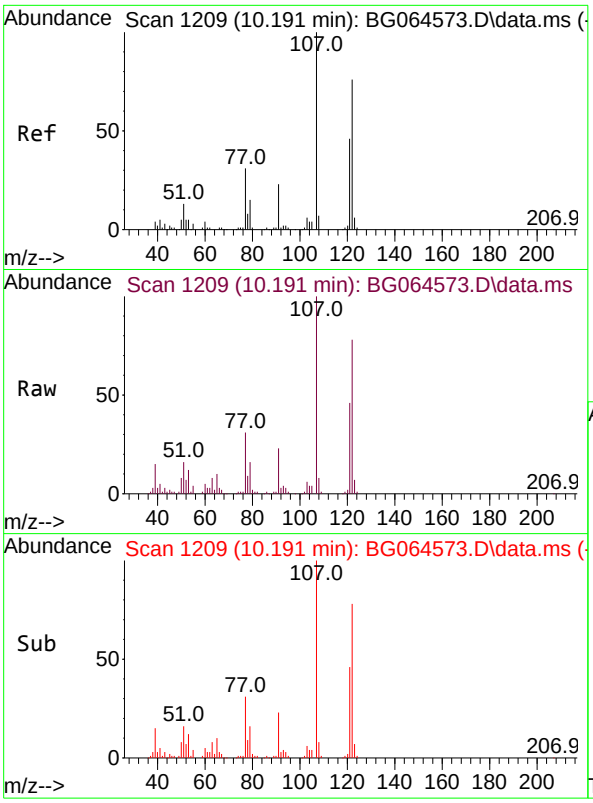


#26
2-Nitrophenol
Concen: 39.772 ng
RT: 10.144 min Scan# 1201
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 45134

Ion	Ratio	Lower	Upper
139	100		
109	30.8	24.6	37.0
65	59.4	47.5	71.3

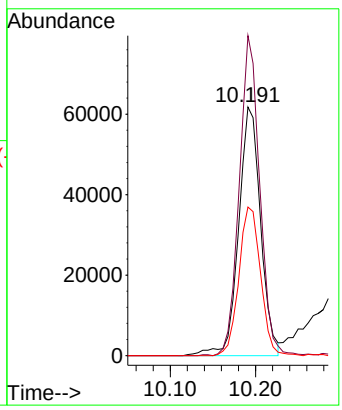




#27
2,4-Dimethylphenol
Concen: 44.243 ng
RT: 10.191 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 110518

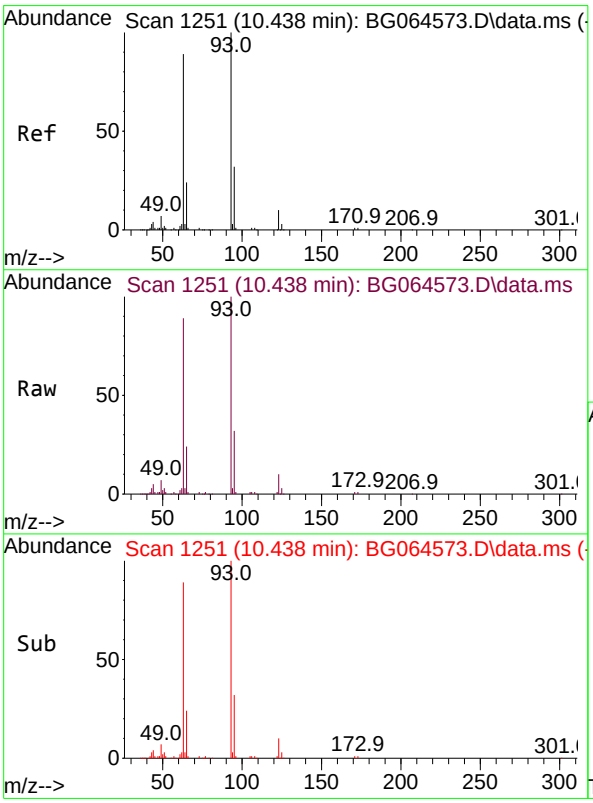
Ion	Ratio	Lower	Upper
122	100		
107	128.7	103.0	154.4
121	59.8	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

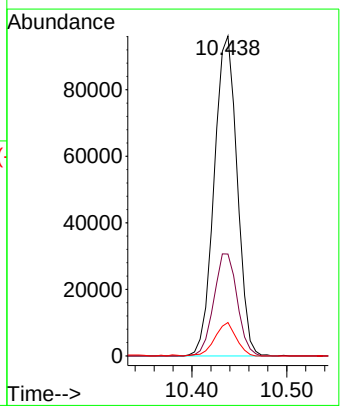
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

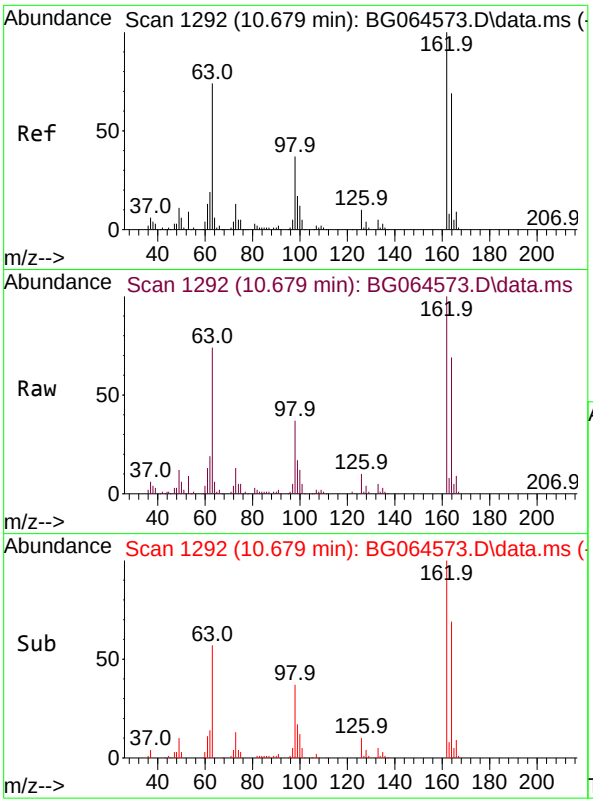


#28
bis(2-Chloroethoxy)methane
Concen: 43.070 ng
RT: 10.438 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 93 Resp: 161449

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.4	38.2
123	10.5	8.4	12.6

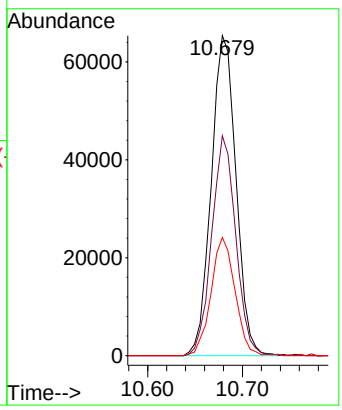




#29
2,4-Dichlorophenol
Concen: 45.026 ng
RT: 10.679 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 11866

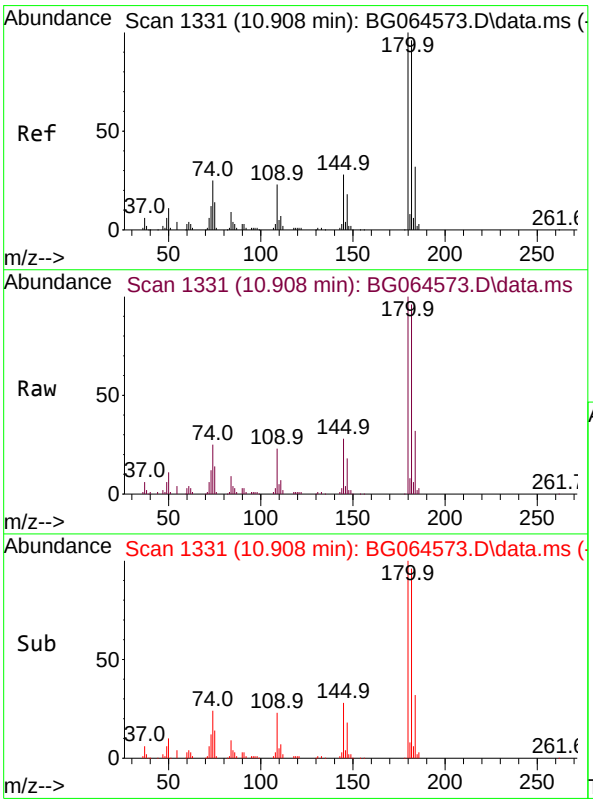
Ion	Ratio	Lower	Upper
162	100		
164	68.7	48.7	88.7
98	36.9	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

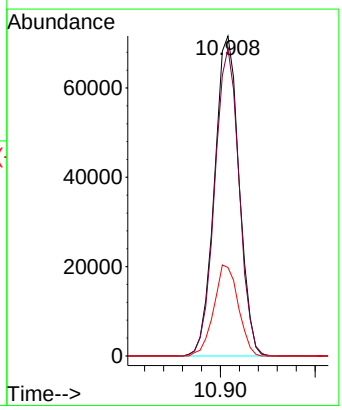
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

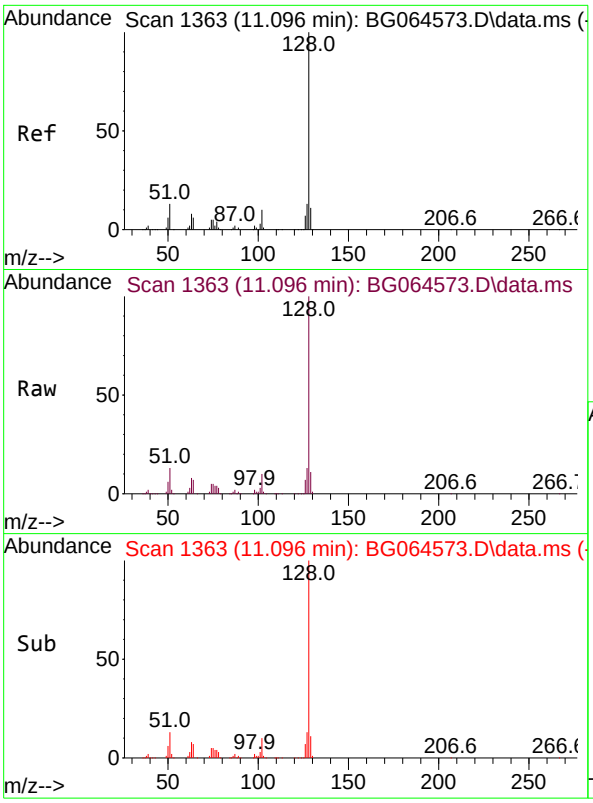


#30
1,2,4-Trichlorobenzene
Concen: 43.046 ng
RT: 10.908 min Scan# 1331
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:180 Resp: 128902

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
145	27.6	22.1	33.1

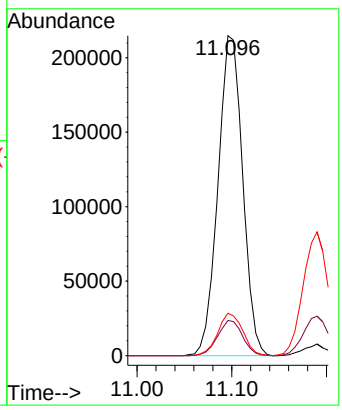




#31
Naphthalene
Concen: 42.469 ng
RT: 11.096 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:128 Resp: 38803

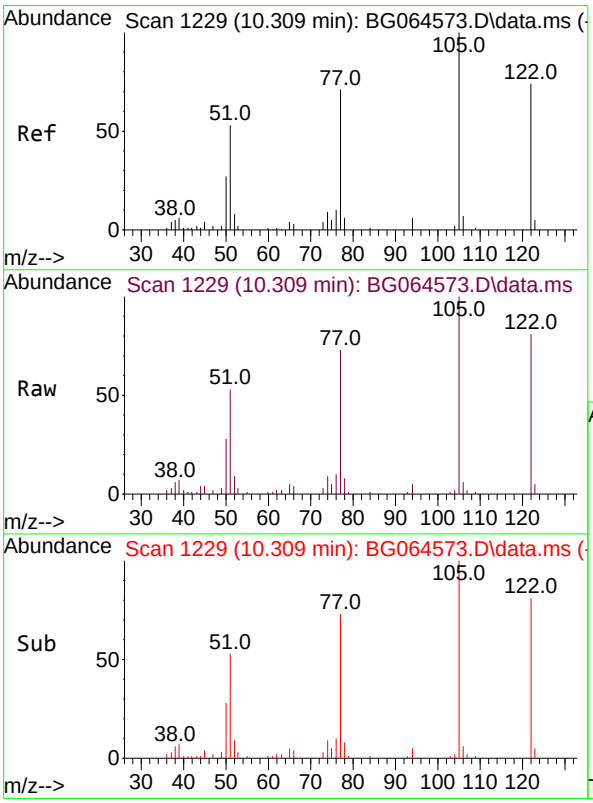
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

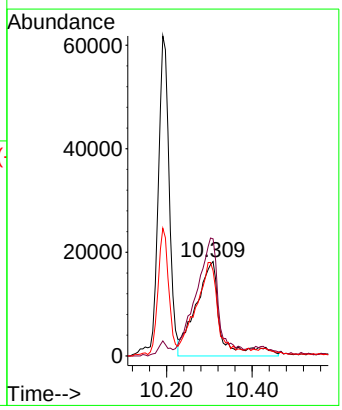
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

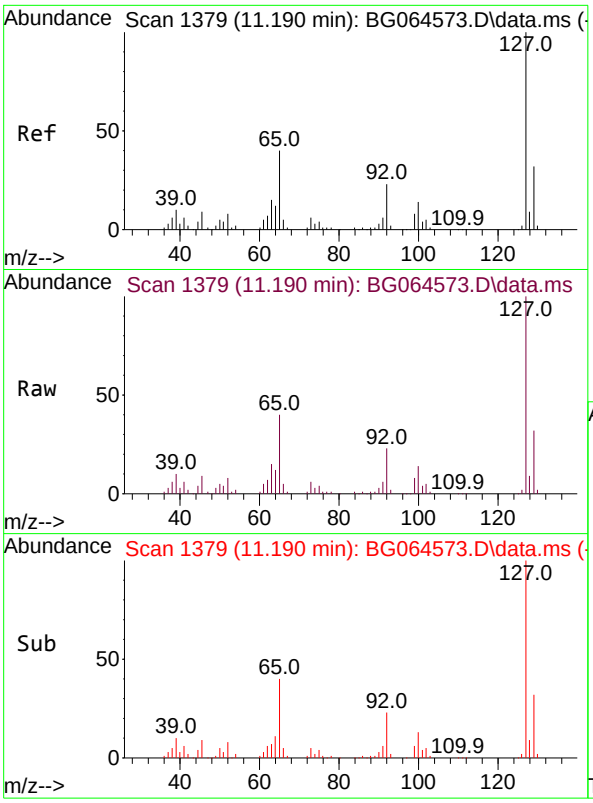


#32
Benzoic acid
Concen: 41.457 ng m
RT: 10.309 min Scan# 1229
Delta R.T. -0.033 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:122 Resp: 72661

Ion	Ratio	Lower	Upper
122	100		
105	124.2	104.2	144.2
77	90.2	70.2	110.2

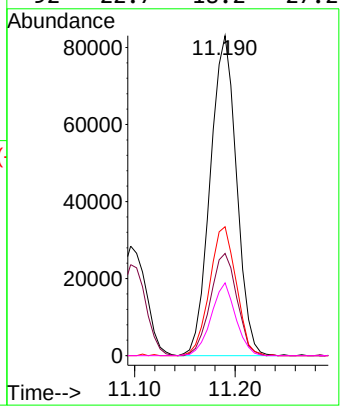




#33
4-Chloroaniline
Concen: 42.585 ng
RT: 11.190 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:127 Resp: 15123

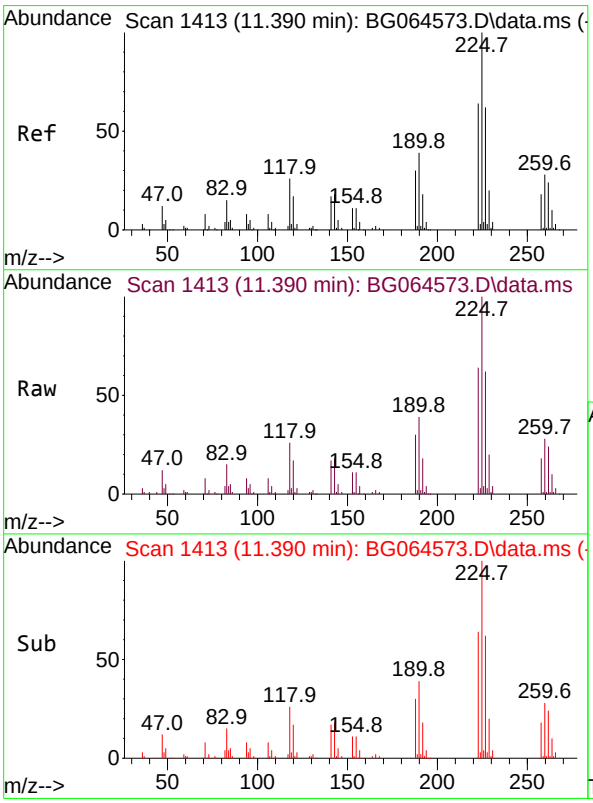
Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.5	38.3
65	40.3	32.2	48.4
92	22.7	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

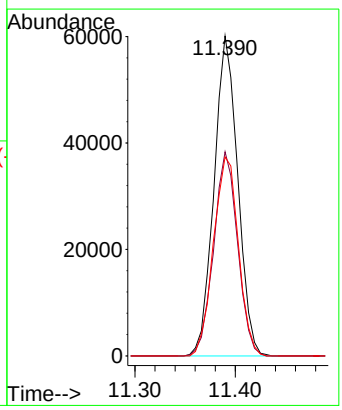
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

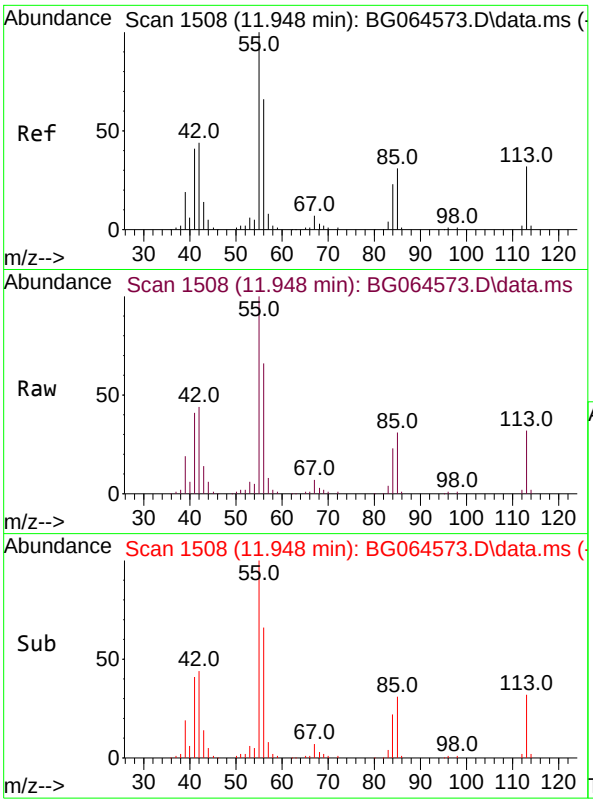


#34
Hexachlorobutadiene
Concen: 42.139 ng
RT: 11.390 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:225 Resp: 98683

Ion	Ratio	Lower	Upper
225	100		
223	61.0	48.8	73.2
227	61.9	49.5	74.3

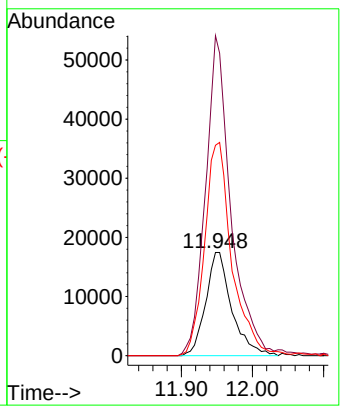




#35
Caprolactam
Concen: 43.731 ng
RT: 11.948 min Scan# 1
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:113 Resp: 4420

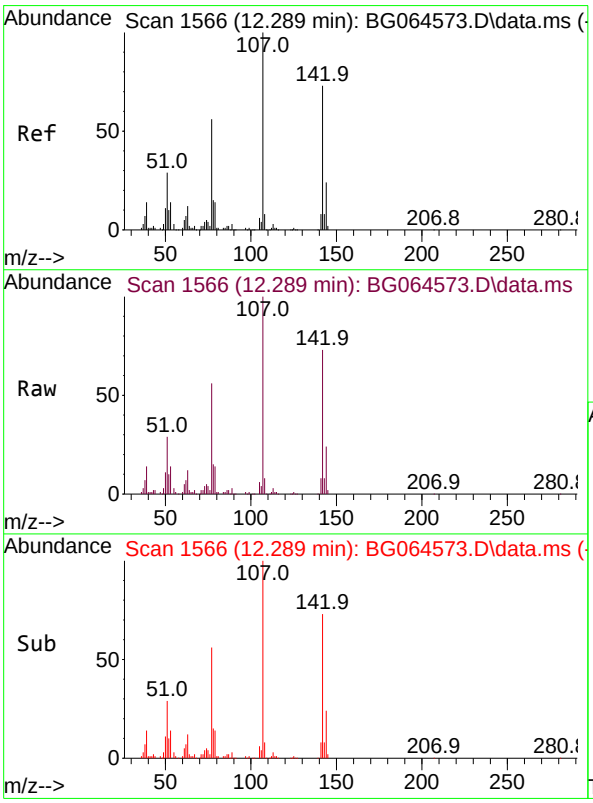
Ion	Ratio	Lower	Upper
113	100		
55	310.1	290.1	330.1
56	203.8	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

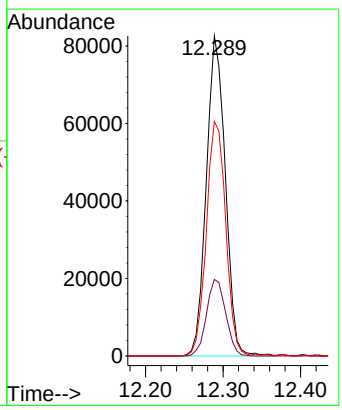
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

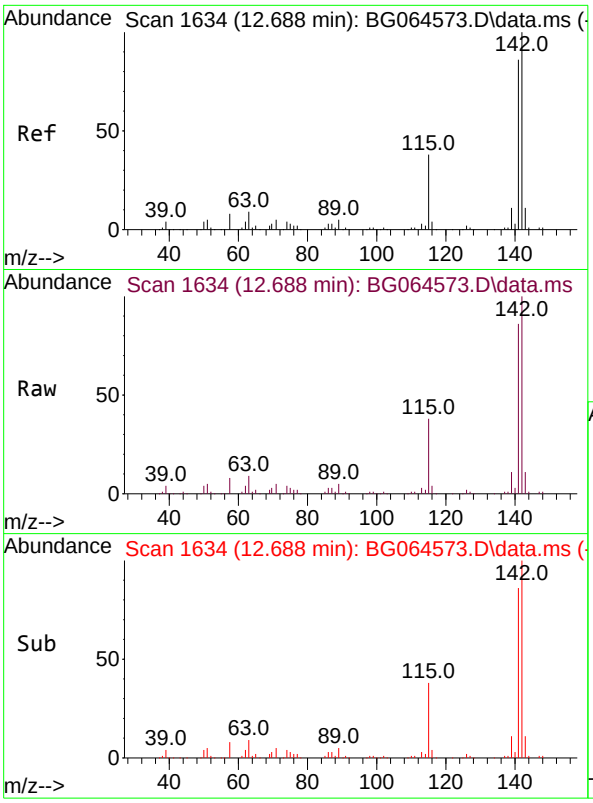


#36
4-Chloro-3-methylphenol
Concen: 44.278 ng
RT: 12.289 min Scan# 1566
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:107 Resp: 140272

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	73.2	58.6	87.8

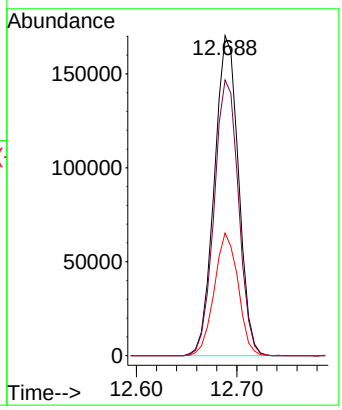




#37
2-Methylnaphthalene
Concen: 42.499 ng
RT: 12.688 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 28508

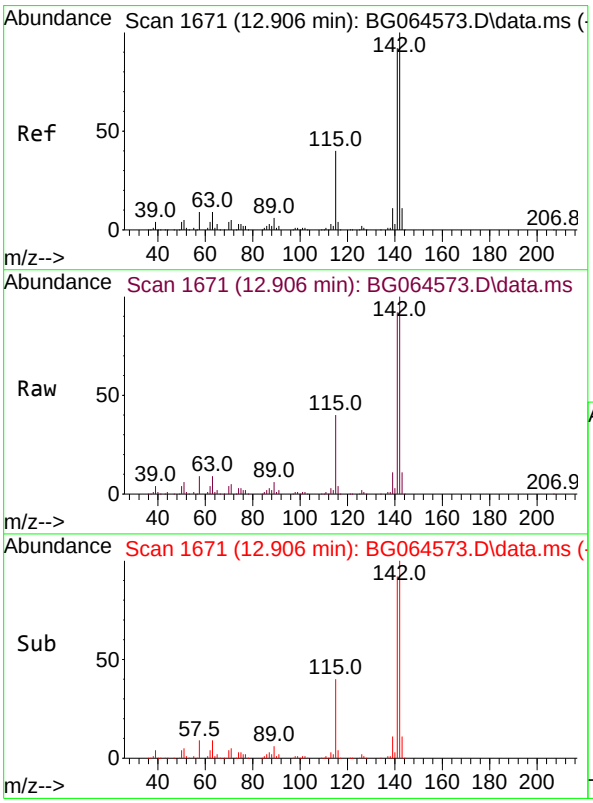
Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.9	103.3
115	38.3	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

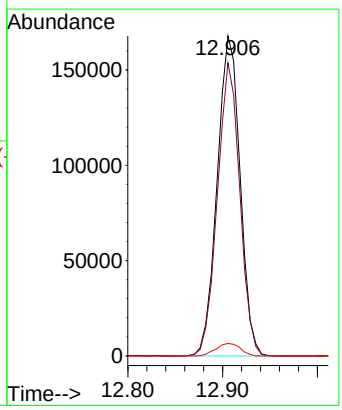
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

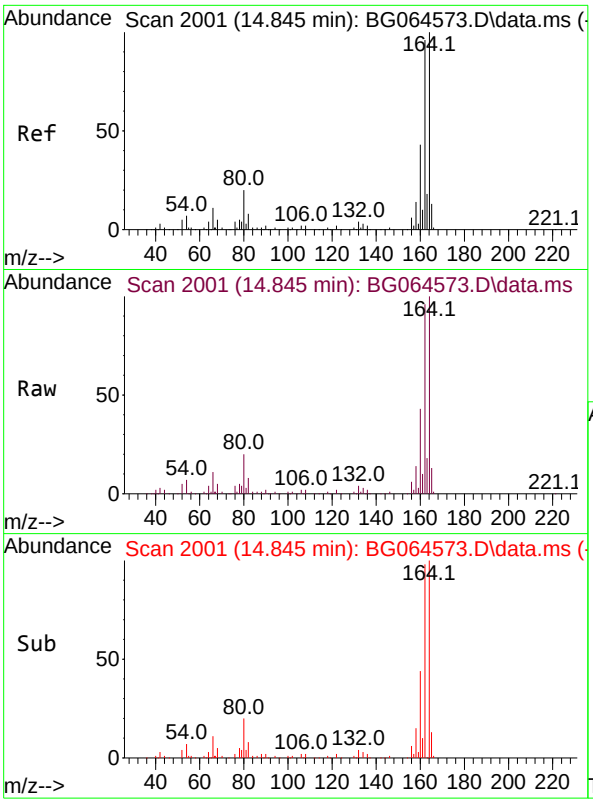


#38
1-Methylnaphthalene
Concen: 42.611 ng
RT: 12.906 min Scan# 1671
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:142 Resp: 281256

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
116	3.9	3.1	4.7

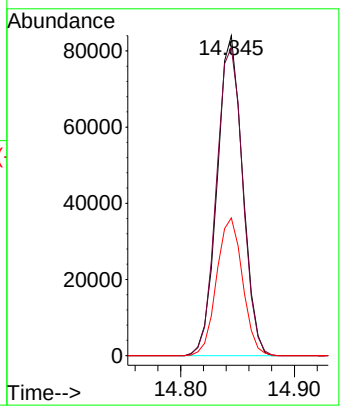




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.845 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:164 Resp: 13054

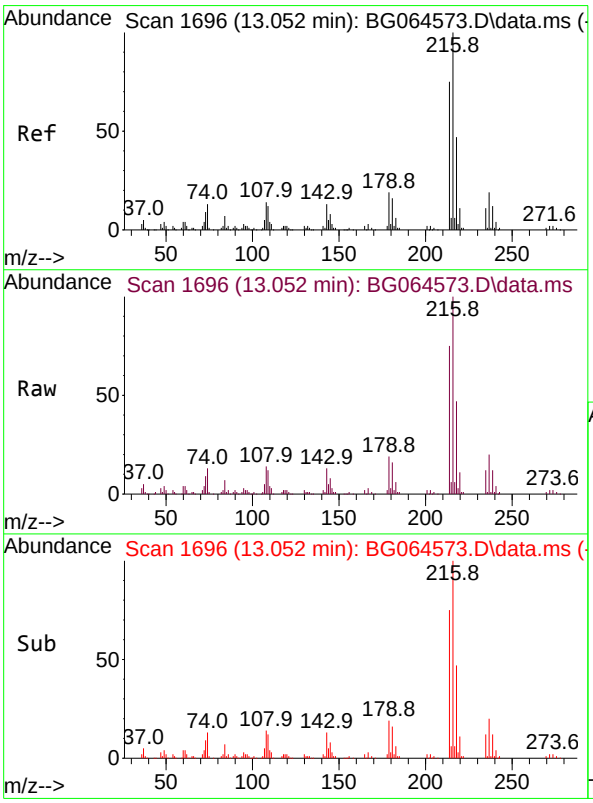
Ion	Ratio	Lower	Upper
164	100		
162	96.3	77.0	115.6
160	43.0	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

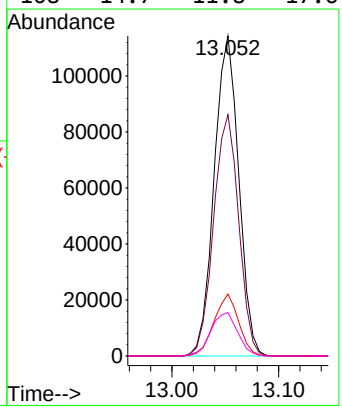
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

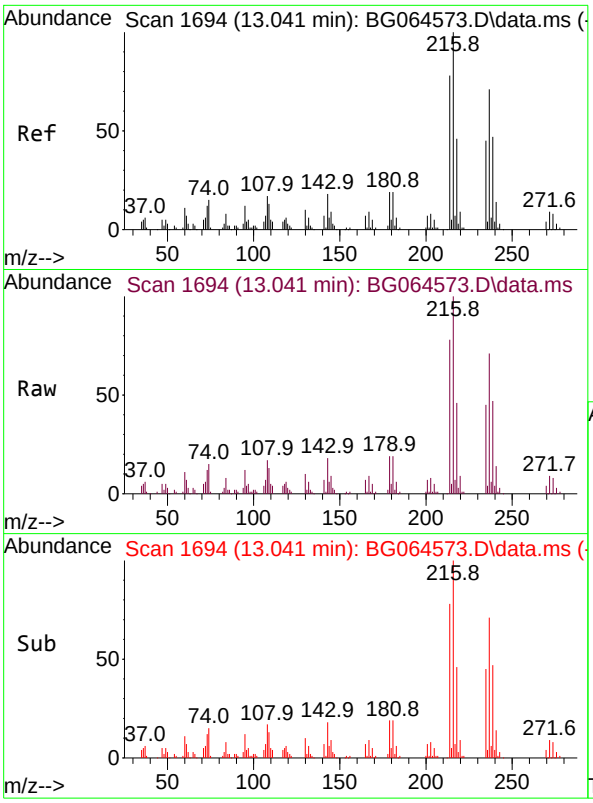


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.856 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:216 Resp: 183376

Ion	Ratio	Lower	Upper
216	100		
214	76.8	61.4	92.2
179	19.2	15.4	23.0
108	14.7	11.8	17.6

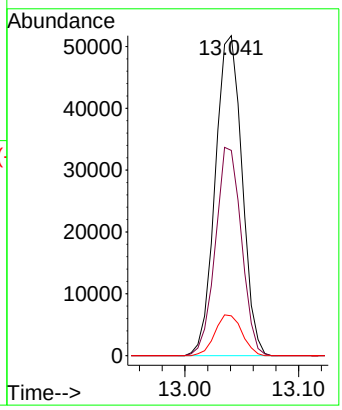




#41
Hexachlorocyclopentadiene
Concen: 42.853 ng
RT: 13.041 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:237 Resp: 8450

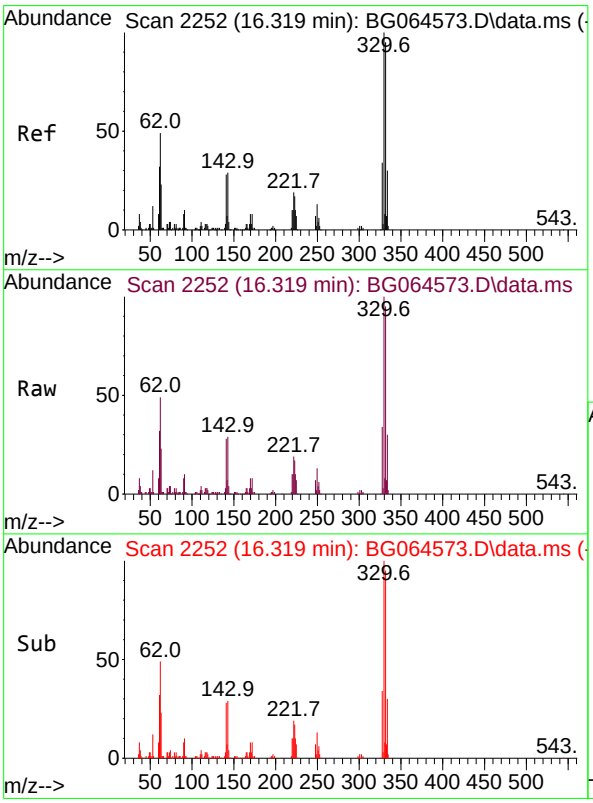
Ion	Ratio	Lower	Upper
237	100		
235	64.1	44.1	84.1
272	12.4	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

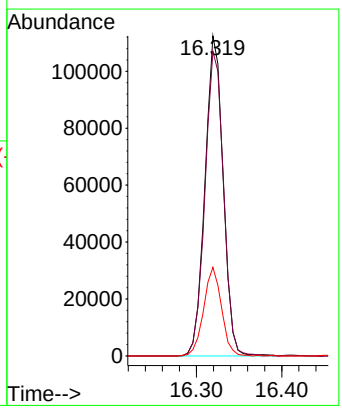
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

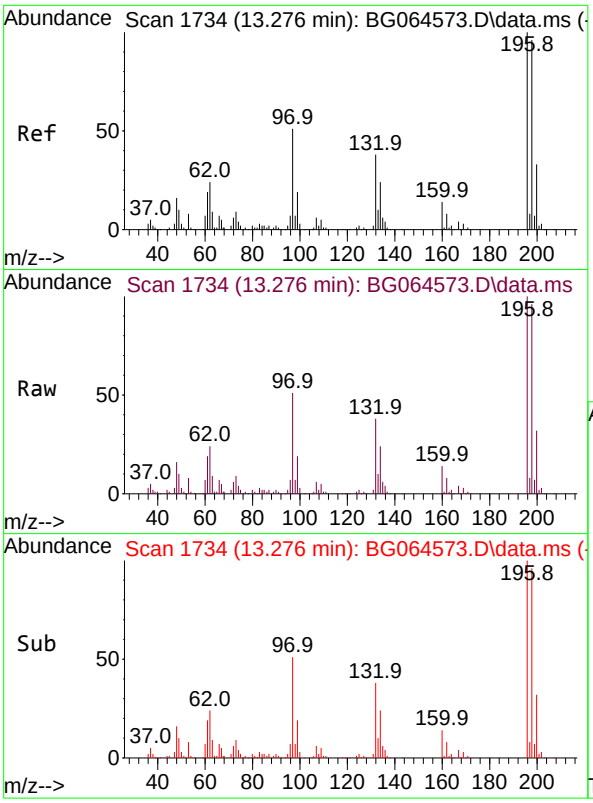


#42
2,4,6-Tribromophenol
Concen: 88.092 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:330 Resp: 165976

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.2	21.8	32.6





#43
2,4,6-Trichlorophenol
Concen: 44.097 ng
RT: 13.276 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

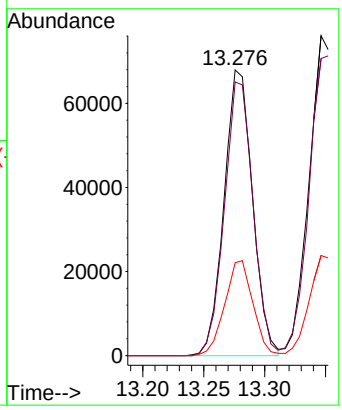
Tgt Ion:196 Resp: 11050

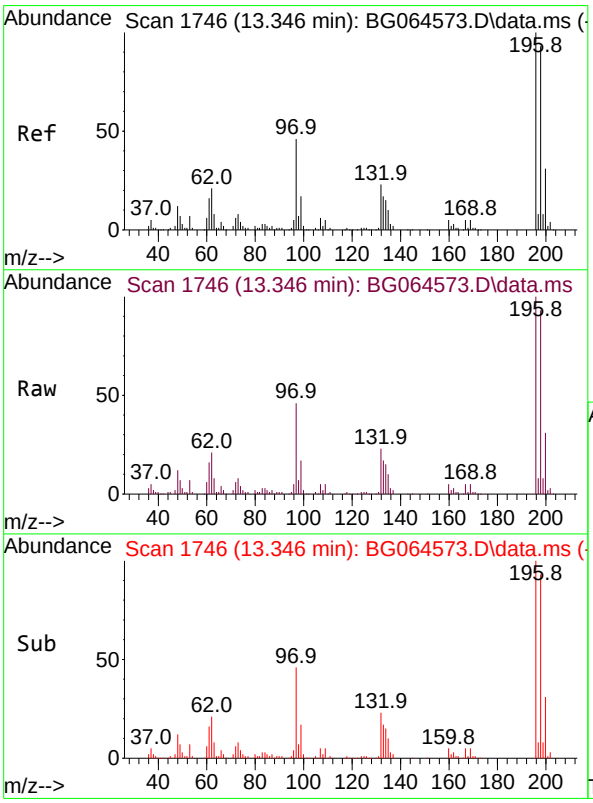
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.6	115.0
200	32.5	26.0	39.0

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

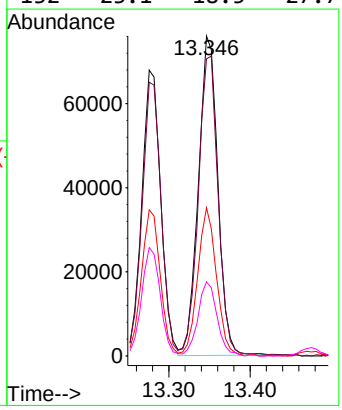


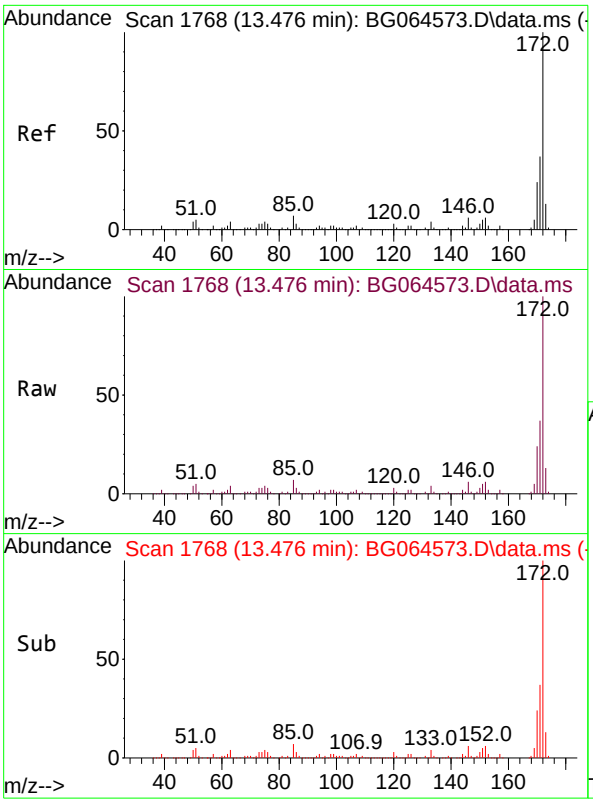


#44
2,4,5-Trichlorophenol
Concen: 43.694 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:196 Resp: 126360

Ion	Ratio	Lower	Upper
196	100		
198	92.8	74.2	111.4
97	46.3	37.0	55.6
132	23.1	18.5	27.7

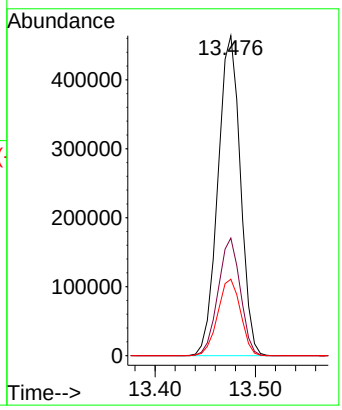




#45
2-Fluorobiphenyl
Concen: 83.888 ng
RT: 13.476 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:172 Resp: 72247

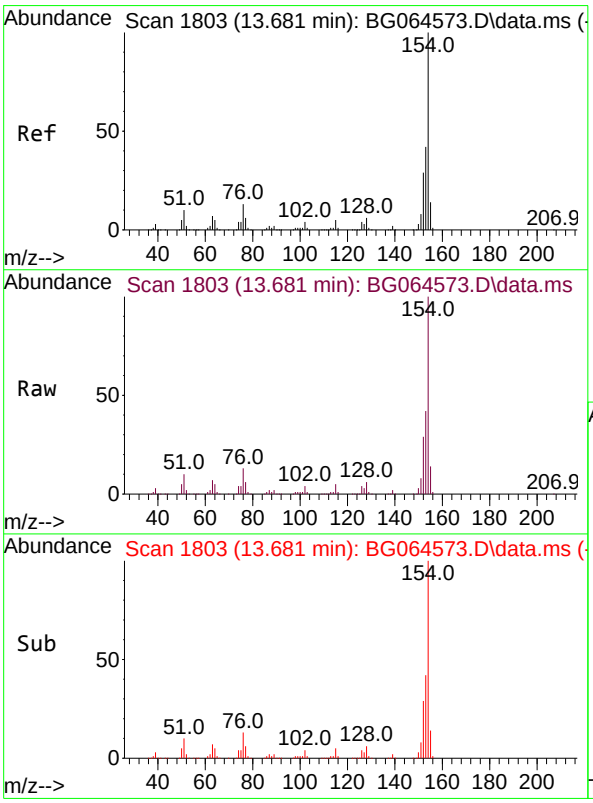
Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.4	44.0
170	23.9	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

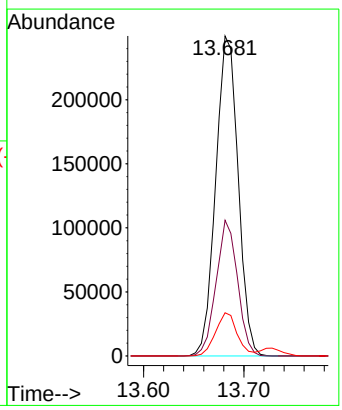
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

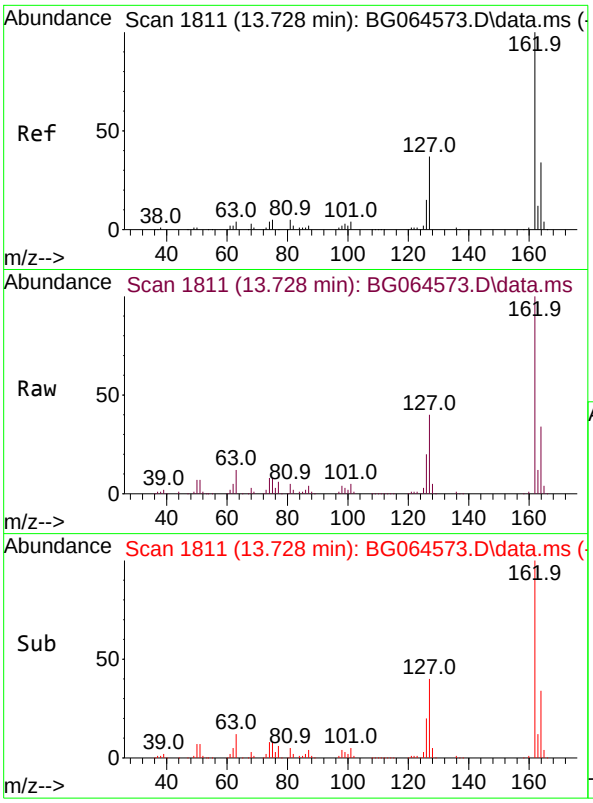


#46
1,1'-Biphenyl
Concen: 41.885 ng
RT: 13.681 min Scan# 1803
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 388718

Ion	Ratio	Lower	Upper
154	100		
153	42.4	22.4	62.4
76	13.5	0.0	33.5

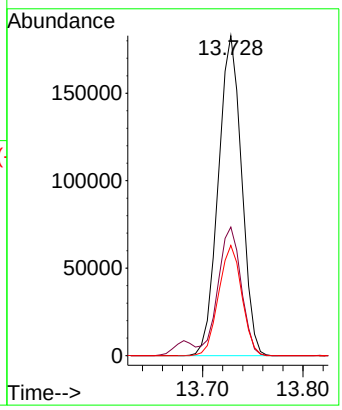




#47
2-Chloronaphthalene
Concen: 42.182 ng
RT: 13.728 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:162 Resp: 29550

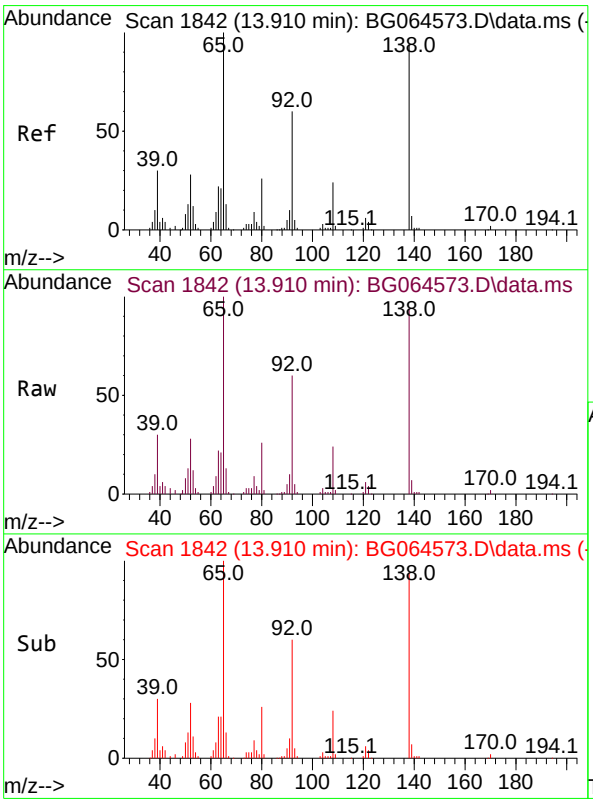
Ion	Ratio	Lower	Upper
162	100		
127	40.2	32.2	48.2
164	34.4	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

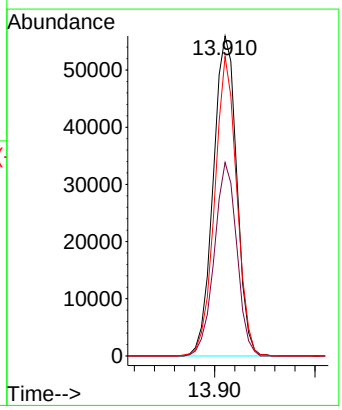
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

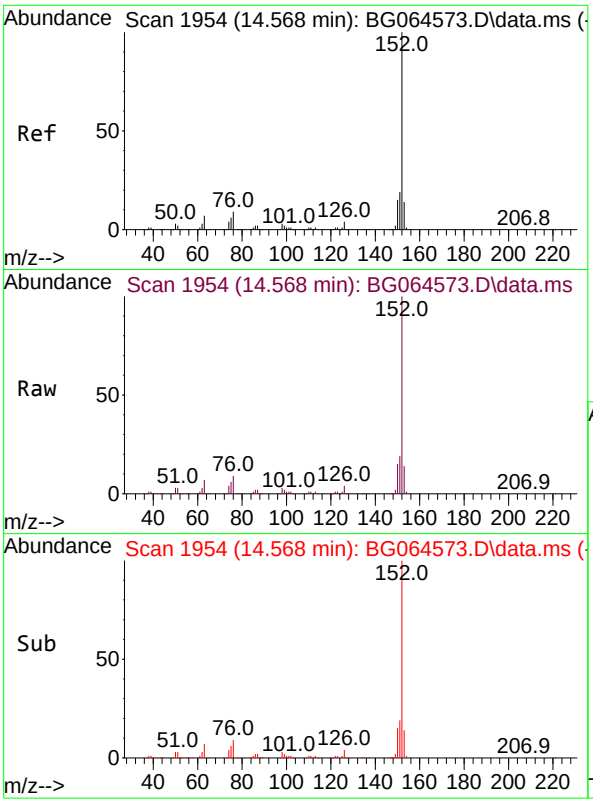


#48
2-Nitroaniline
Concen: 39.303 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 65 Resp: 90958

Ion	Ratio	Lower	Upper
65	100		
92	60.4	48.3	72.5
138	93.6	74.9	112.3

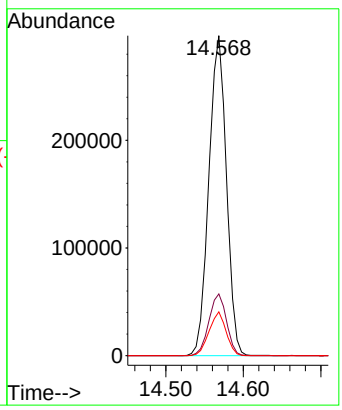




#49
Acenaphthylene
Concen: 42.209 ng
RT: 14.568 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:152 Resp: 46639

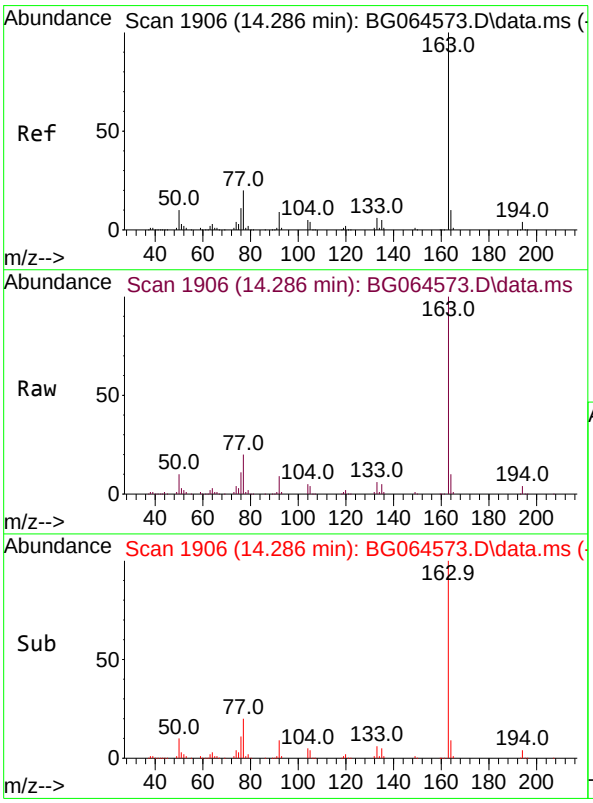
Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	13.7	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

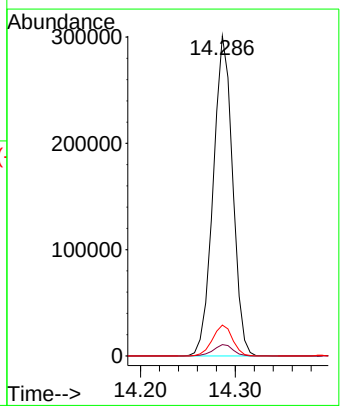
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

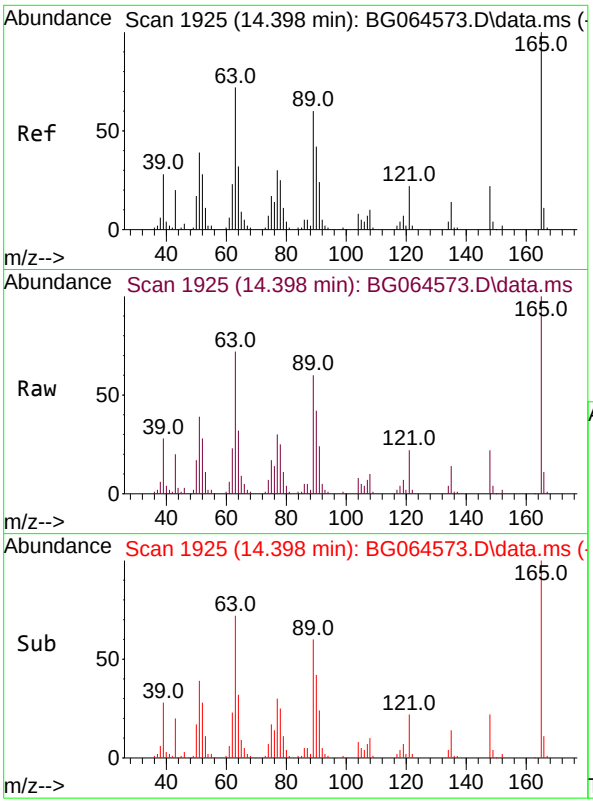


#50
Dimethylphthalate
Concen: 42.894 ng
RT: 14.286 min Scan# 1906
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:163 Resp: 428475

Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.8	4.2
164	9.6	7.7	11.5





#51
2,6-Dinitrotoluene
Concen: 39.696 ng
RT: 14.398 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

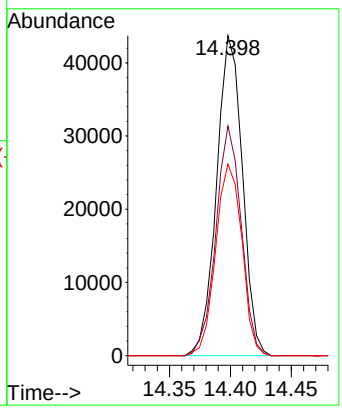
Tgt Ion:165 Resp: 6445

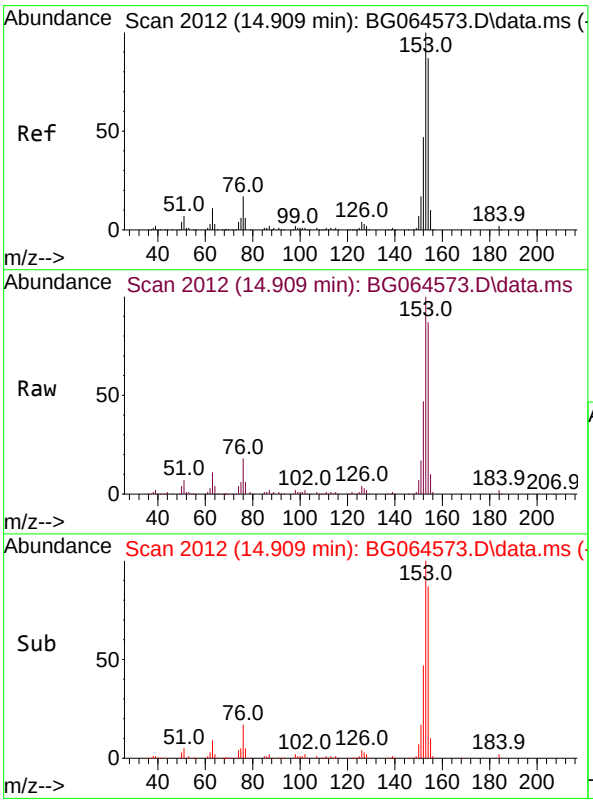
Ion	Ratio	Lower	Upper
165	100		
63	71.7	57.4	86.0
89	59.8	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

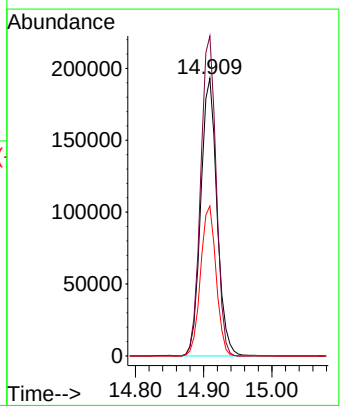


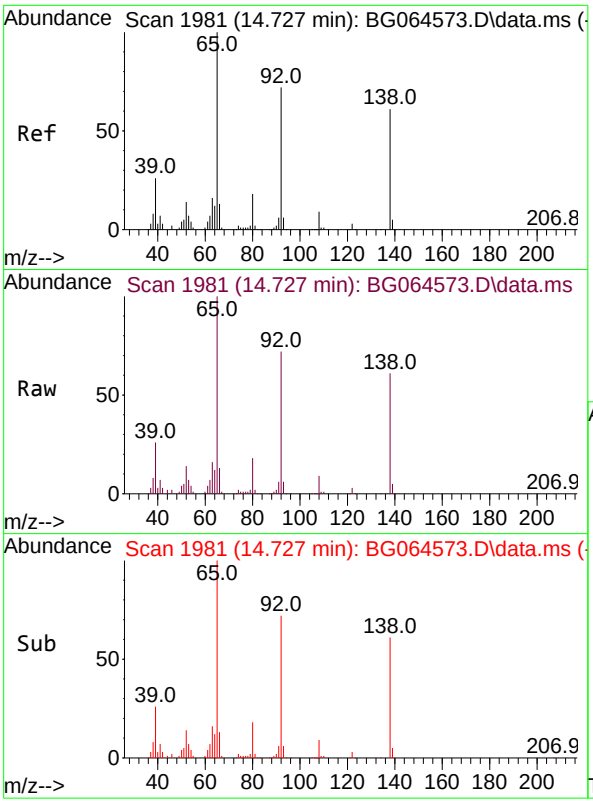


#52
Acenaphthene
Concen: 42.289 ng
RT: 14.909 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:154 Resp: 319250

Ion	Ratio	Lower	Upper
154	100		
153	115.3	92.2	138.4
152	54.0	43.2	64.8

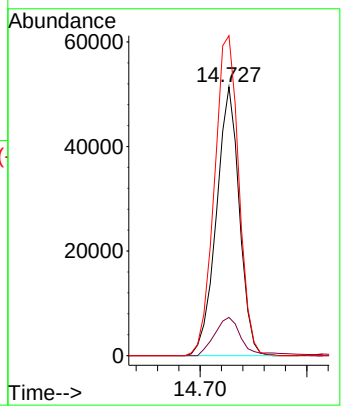




#53
3-Nitroaniline
Concen: 44.762 ng
RT: 14.727 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 7684

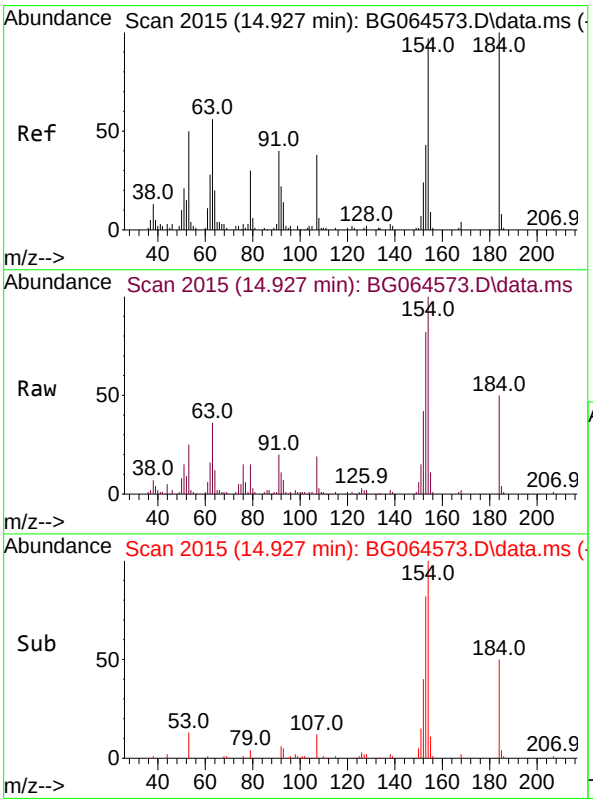
Ion	Ratio	Lower	Upper
138	100		
108	14.2	11.4	17.0
92	119.1	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

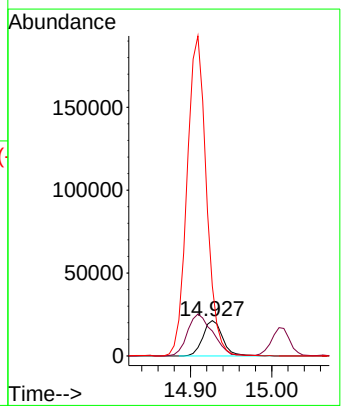
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

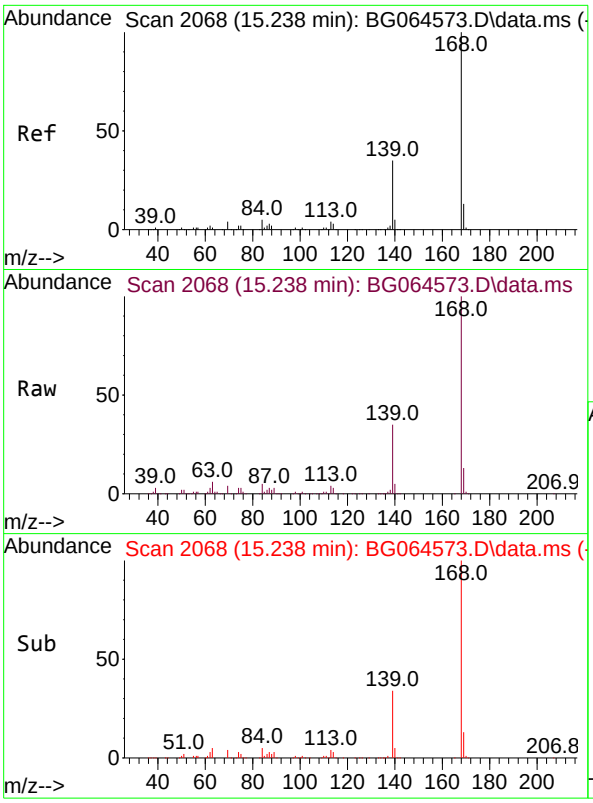


#54
2,4-Dinitrophenol
Concen: 38.390 ng
RT: 14.927 min Scan# 2015
Delta R.T. -0.003 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 35677

Ion	Ratio	Lower	Upper
184	100		
63	70.8	56.6	85.0
154	198.3	158.6	238.0

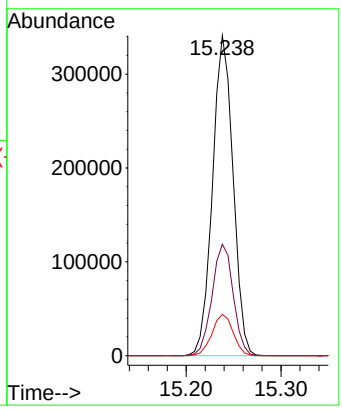




#55
Dibenzofuran
Concen: 41.995 ng
RT: 15.238 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:168 Resp: 51254

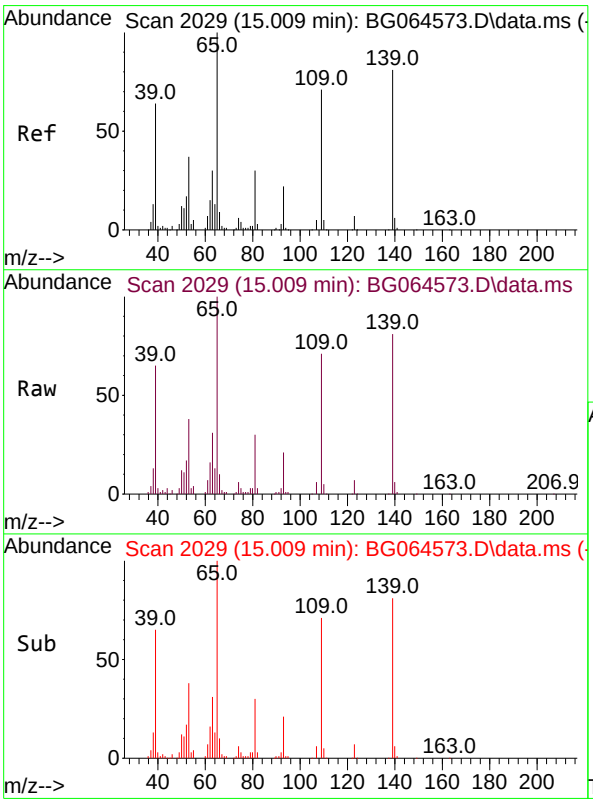
Ion	Ratio	Lower	Upper
168	100		
139	34.8	27.8	41.8
169	12.9	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

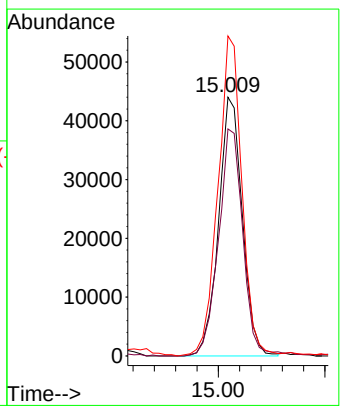
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

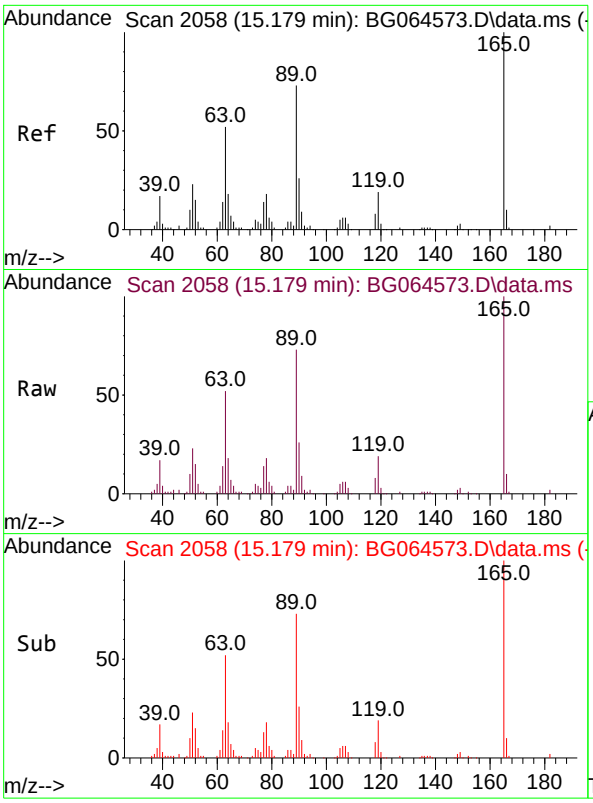


#56
4-Nitrophenol
Concen: 42.765 ng
RT: 15.009 min Scan# 2029
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:139 Resp: 68064

Ion	Ratio	Lower	Upper
139	100		
109	87.8	67.8	107.8
65	123.7	103.7	143.7

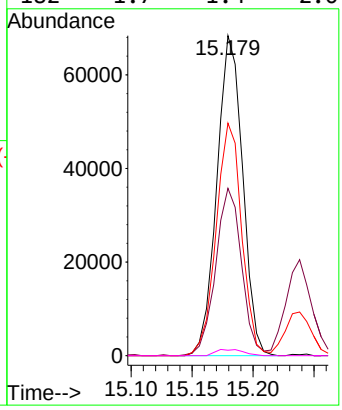




#57
2,4-Dinitrotoluene
Concen: 39.962 ng
RT: 15.179 min Scan# 2
Delta R.T. -0.010 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:165 Resp: 10044

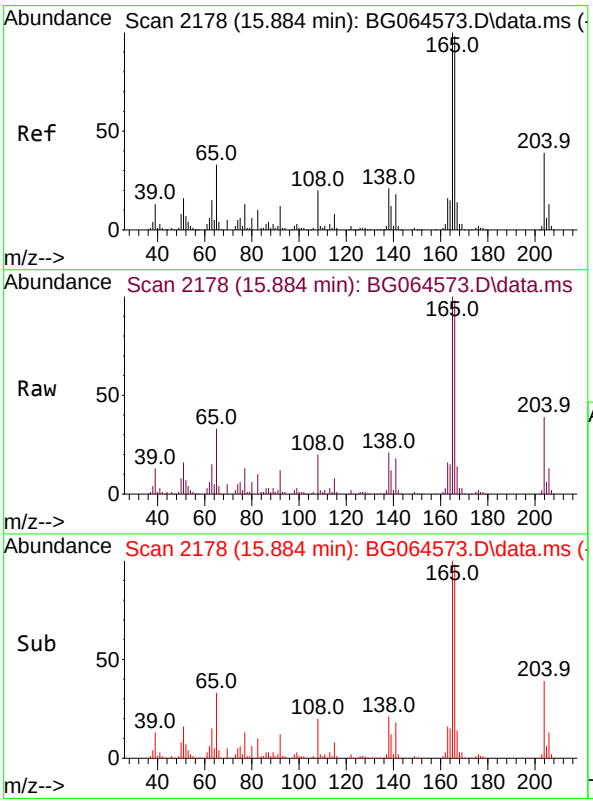
Ion	Ratio	Lower	Upper
165	100		
63	52.3	41.8	62.8
89	72.6	58.1	87.1
182	1.7	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

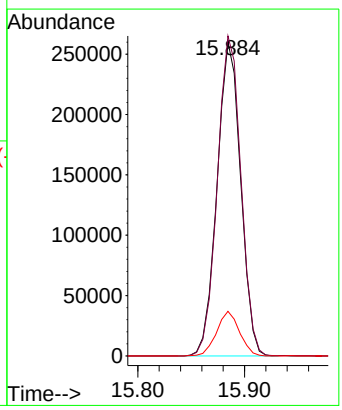
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

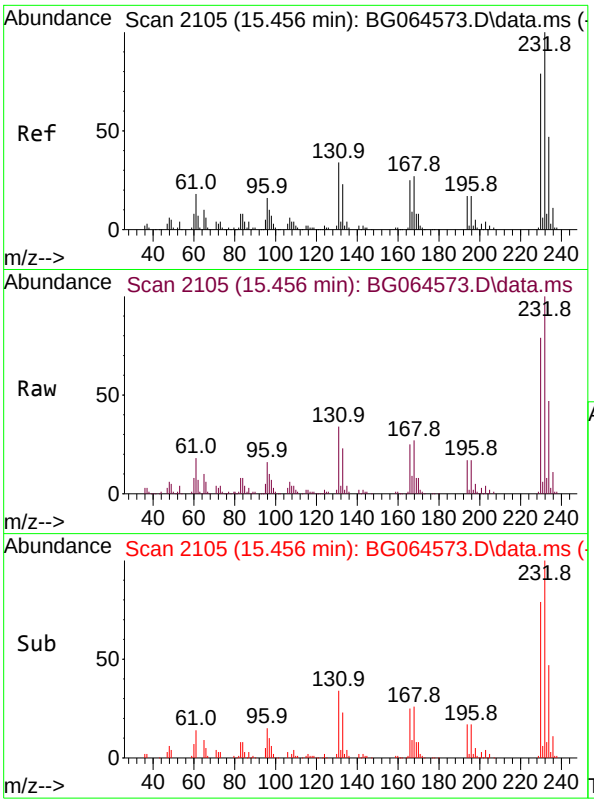


#58
Fluorene
Concen: 41.939 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:166 Resp: 399745

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.5	122.3
167	14.2	11.4	17.0

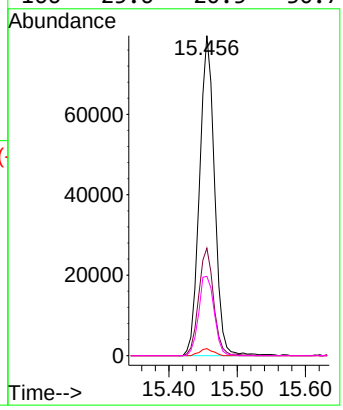




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.030 ng
RT: 15.456 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:232 Resp: 12176

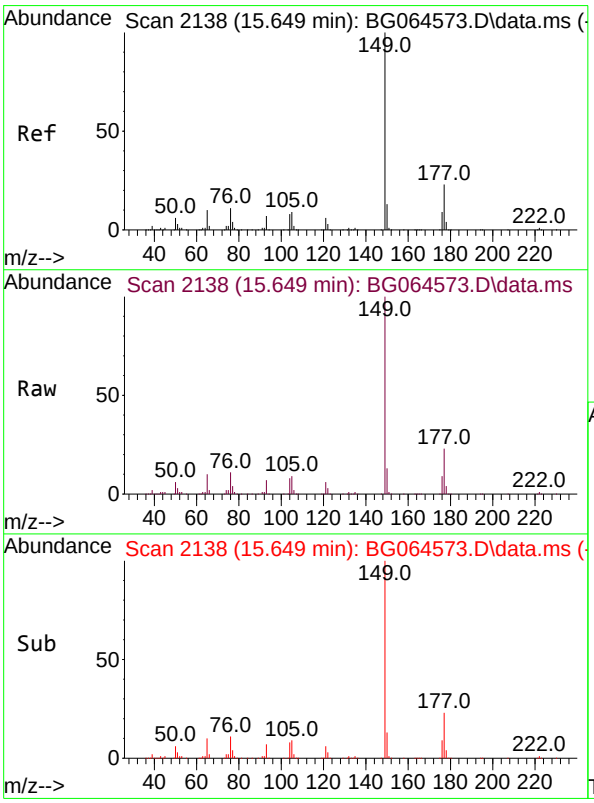
Ion	Ratio	Lower	Upper
232	100		
131	33.4	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

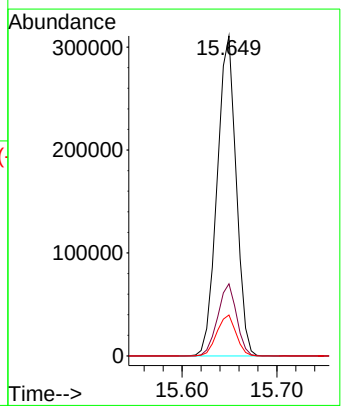
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

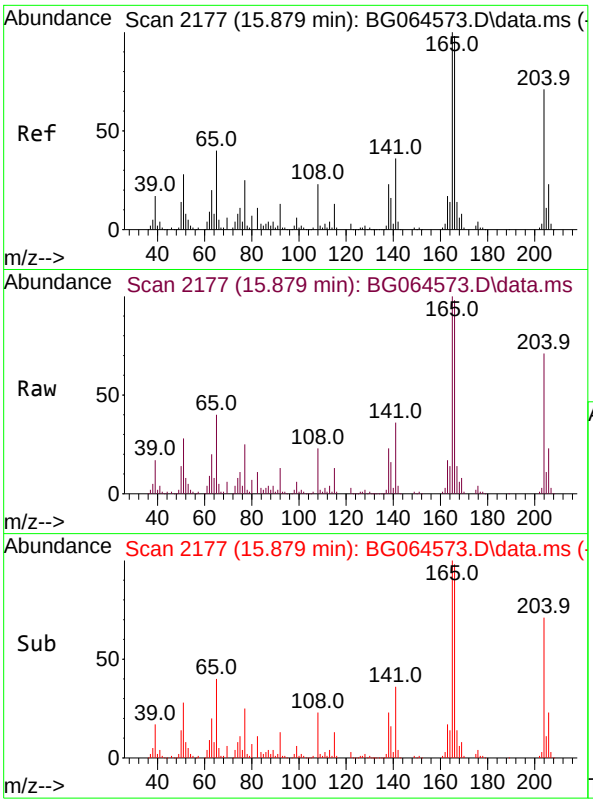


#60
Diethylphthalate
Concen: 42.412 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 432571

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.8	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 42.270 ng
RT: 15.879 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

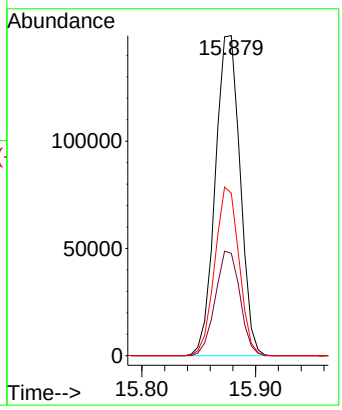
Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

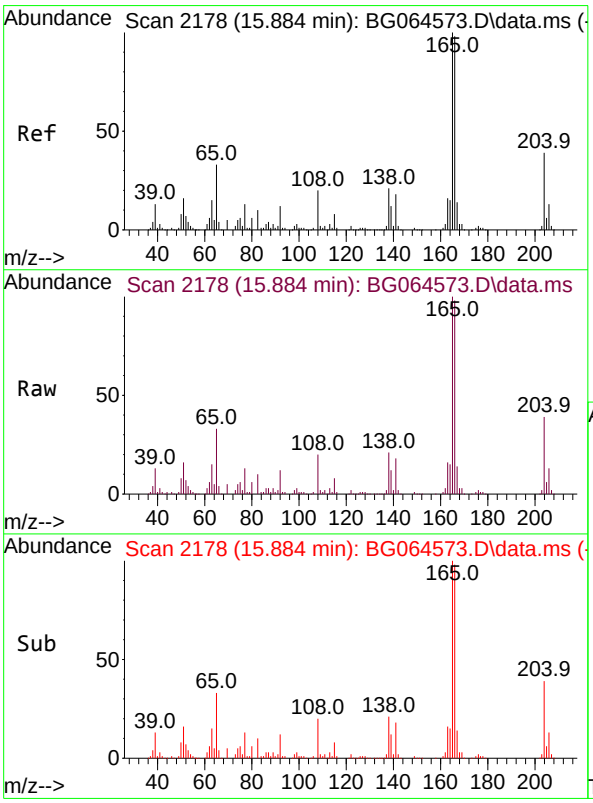
Tgt Ion:204 Resp: 226104

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	50.7	40.6	60.8

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

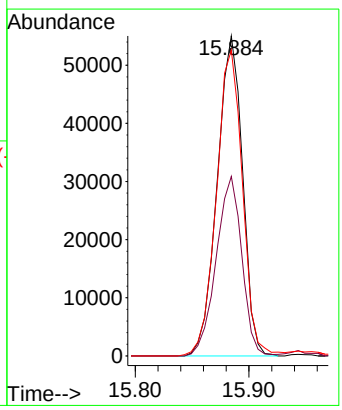


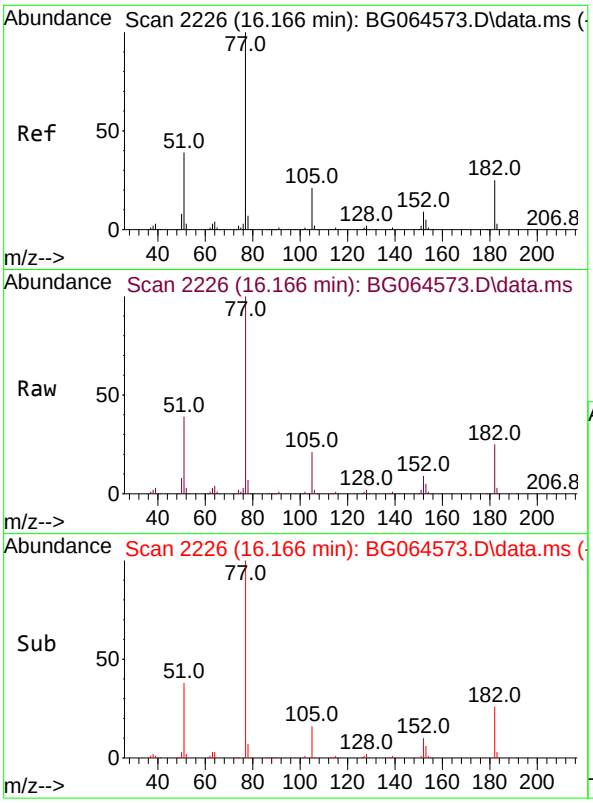


#62
4-Nitroaniline
Concen: 44.662 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:138 Resp: 85297

Ion	Ratio	Lower	Upper
138	100		
92	56.1	36.1	76.1
108	95.6	75.6	115.6

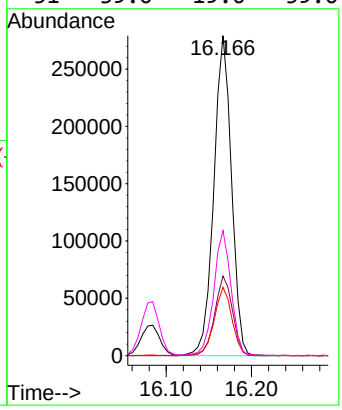




#63
Azobenzene
Concen: 42.922 ng
RT: 16.166 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion: 77 Resp: 40167

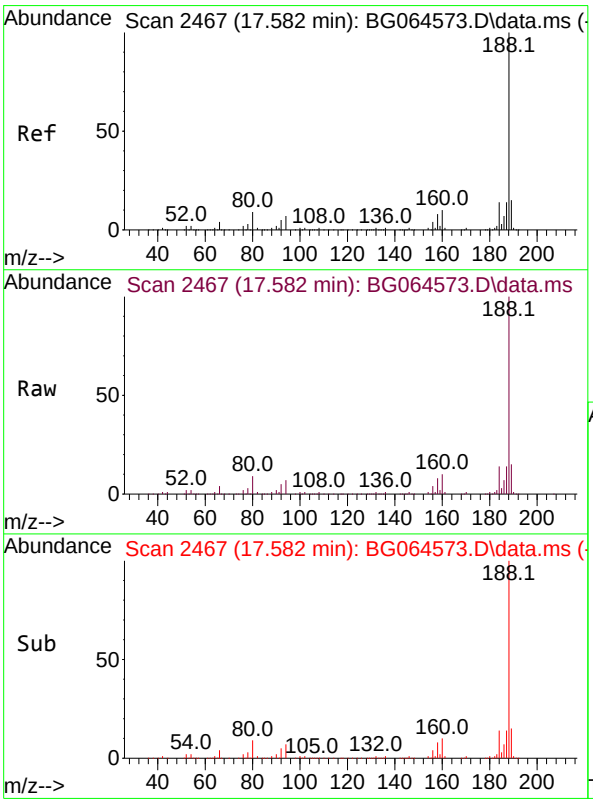
Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.9	44.9
105	21.3	1.3	41.3
51	39.0	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

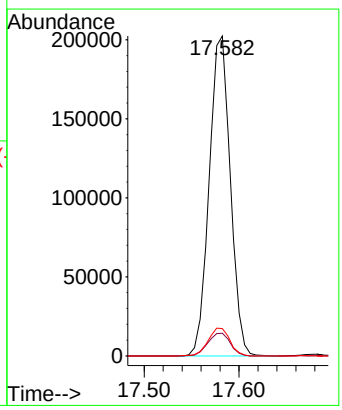
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

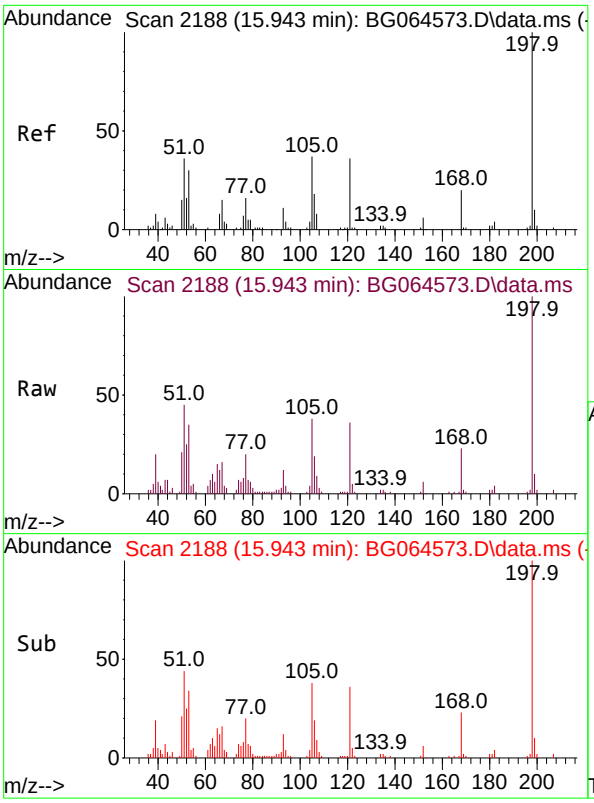


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:188 Resp: 313311

Ion	Ratio	Lower	Upper
188	100		
94	7.1	5.7	8.5
80	8.5	6.8	10.2

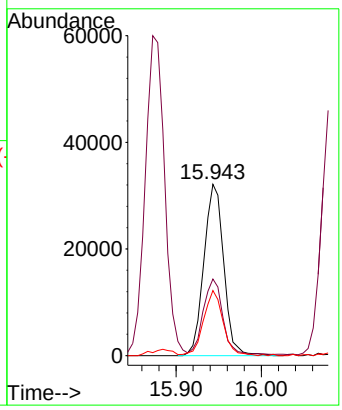




#65
4,6-Dinitro-2-methylphenol
Concen: 38.770 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:198 Resp: 5182

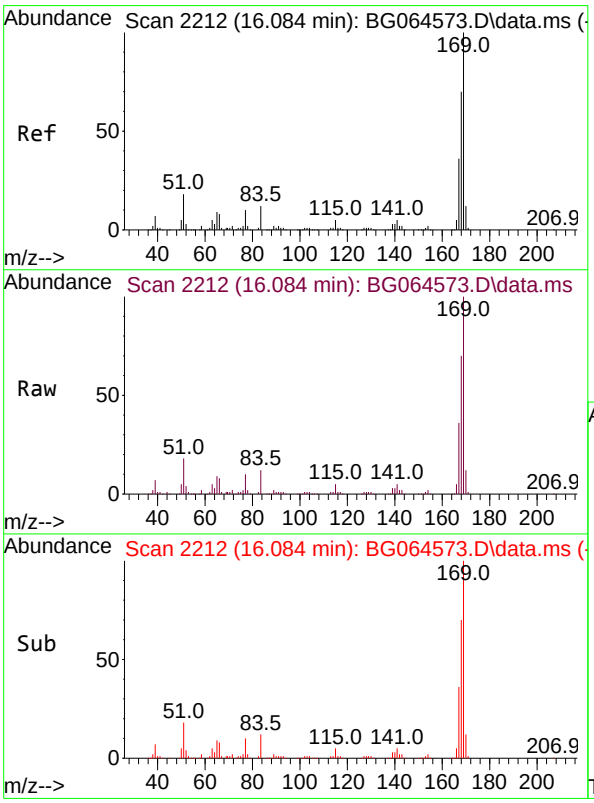
Ion	Ratio	Lower	Upper
198	100		
51	44.7	24.7	64.7
105	38.0	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

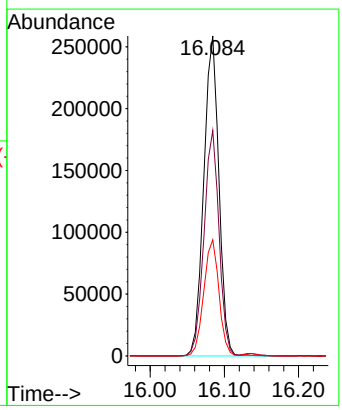
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

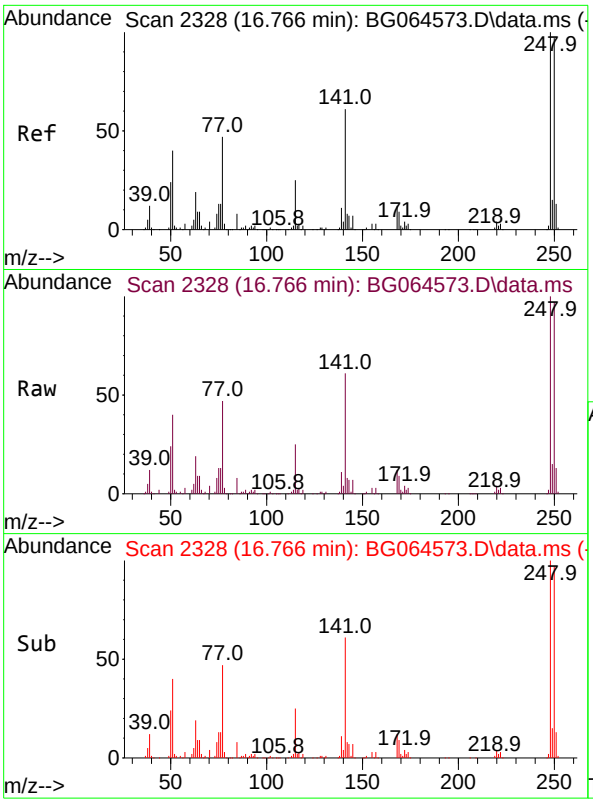


#66
n-Nitrosodiphenylamine
Concen: 43.201 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:169 Resp: 365624

Ion	Ratio	Lower	Upper
169	100		
168	70.4	56.3	84.5
167	36.3	29.0	43.6

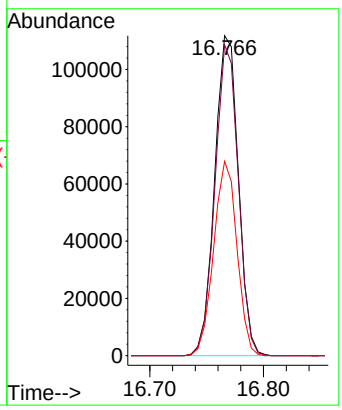




#67
4-Bromophenyl-phenylether
Concen: 43.563 ng
RT: 16.766 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:248 Resp: 16174

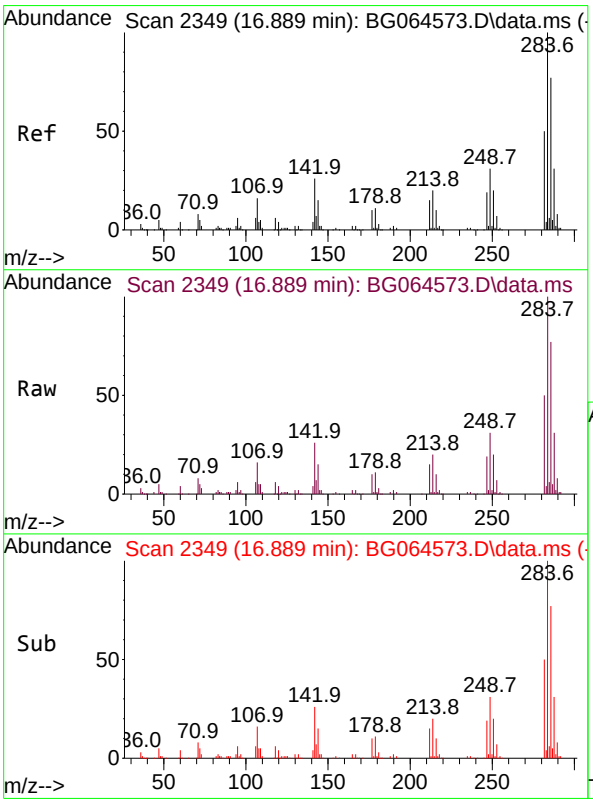
Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	60.7	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

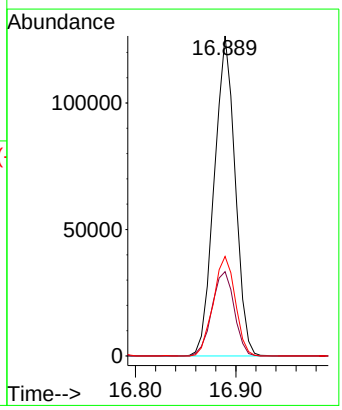
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

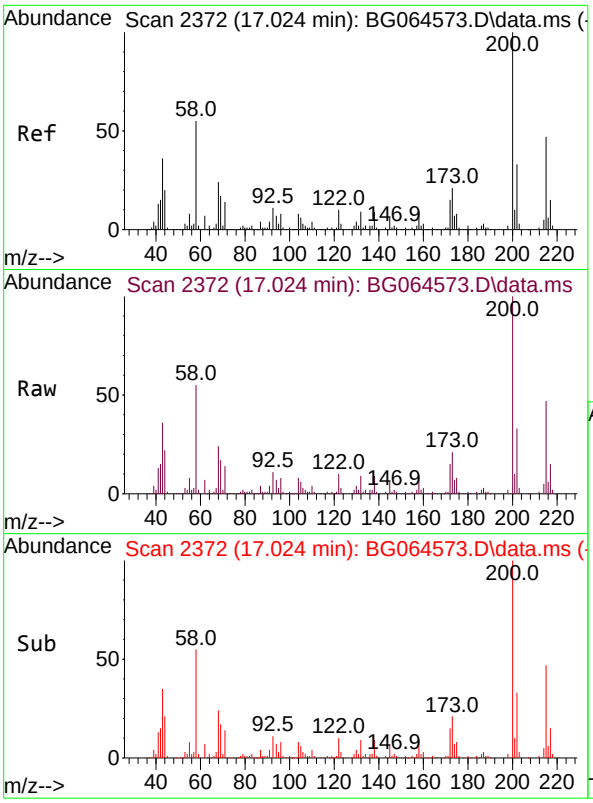


#68
Hexachlorobenzene
Concen: 43.265 ng
RT: 16.889 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:284 Resp: 183262

Ion	Ratio	Lower	Upper
284	100		
142	26.3	21.0	31.6
249	31.1	24.9	37.3

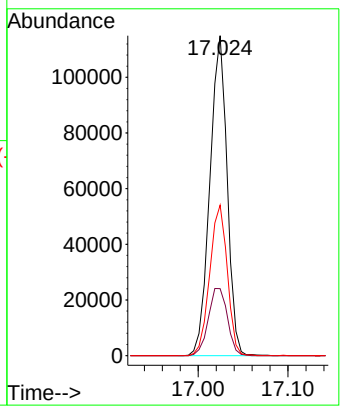




#69
Atrazine
Concen: 42.203 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:200 Resp: 153706

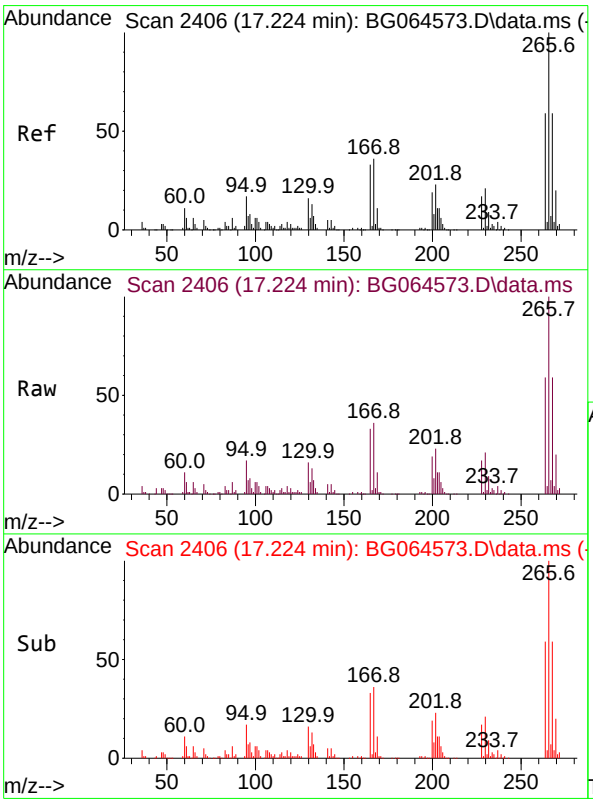
Ion	Ratio	Lower	Upper
200	100		
173	20.9	0.9	40.9
215	47.0	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

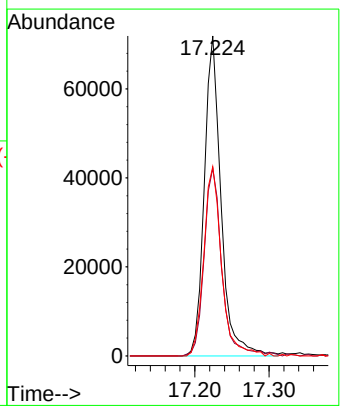
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

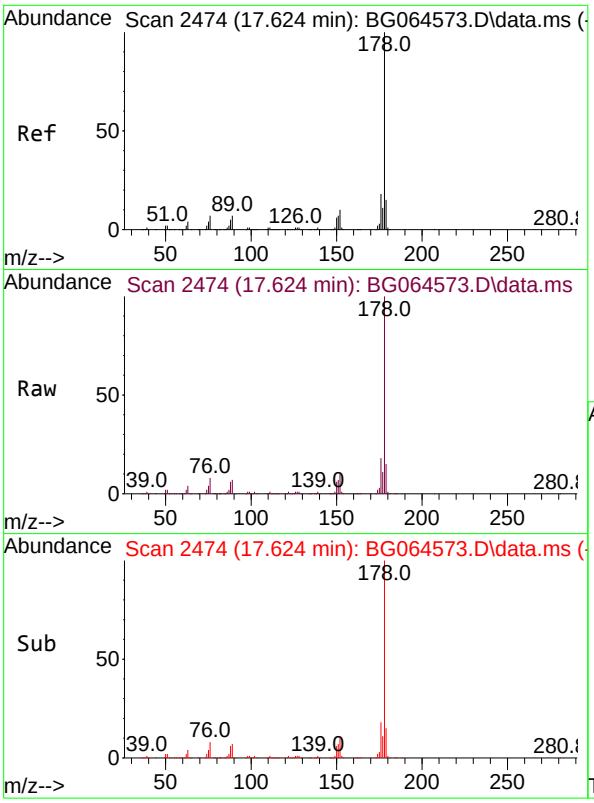


#70
Pentachlorophenol
Concen: 42.694 ng
RT: 17.224 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:266 Resp: 112769

Ion	Ratio	Lower	Upper
266	100		
268	62.9	50.3	75.5
264	59.1	47.3	70.9

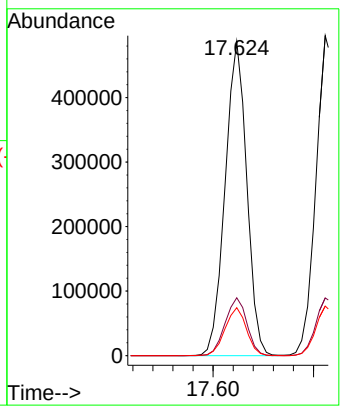




#71
Phenanthrene
Concen: 42.500 ng
RT: 17.624 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 72818

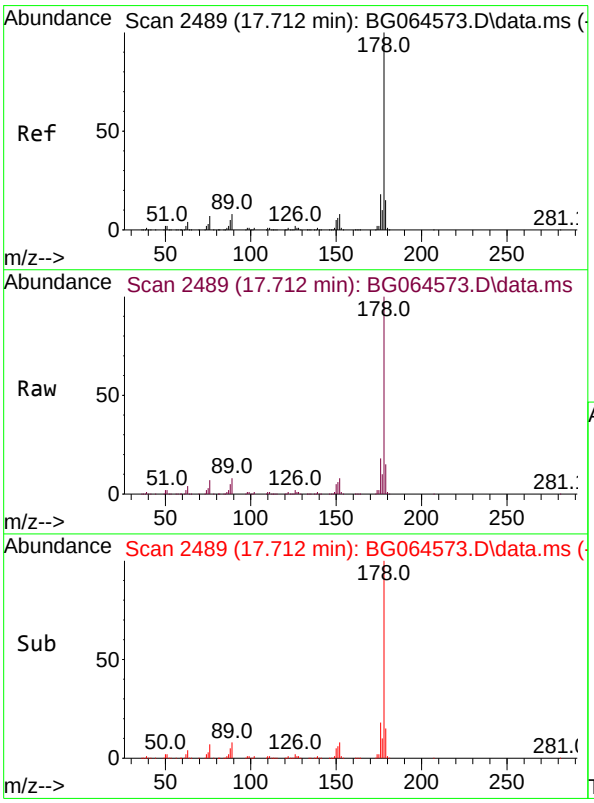
Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

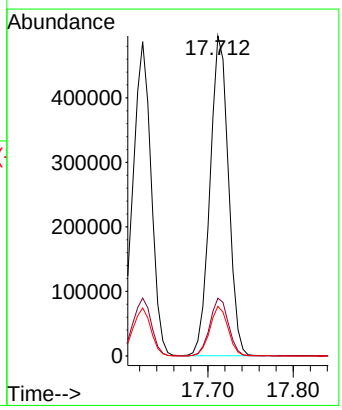
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

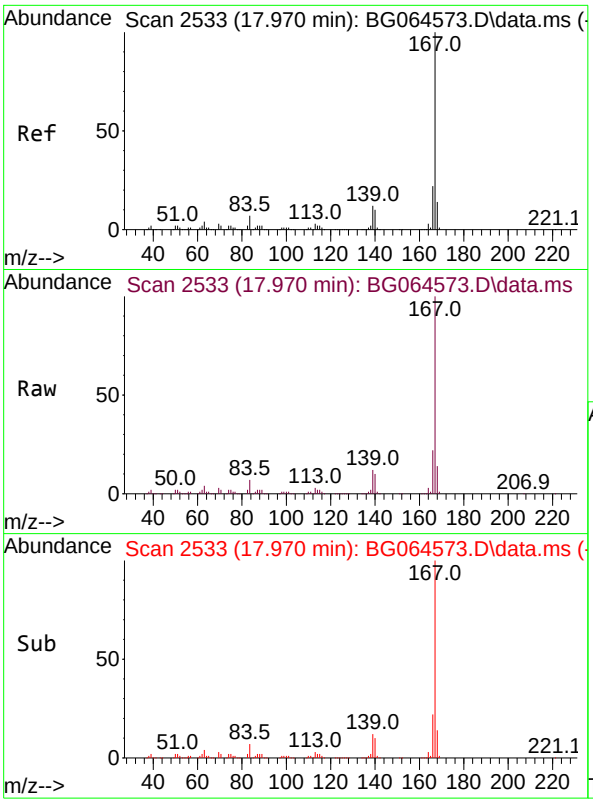


#72
Anthracene
Concen: 42.663 ng
RT: 17.712 min Scan# 2489
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:178 Resp: 743567

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.4	21.6
179	15.5	12.4	18.6

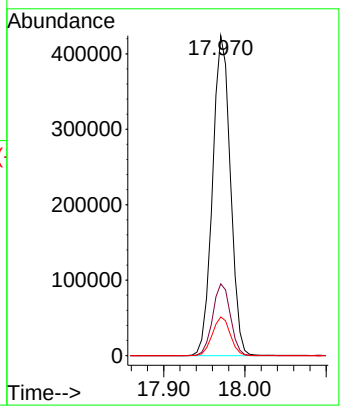




#73
Carbazole
Concen: 42.053 ng
RT: 17.970 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:167 Resp: 64631

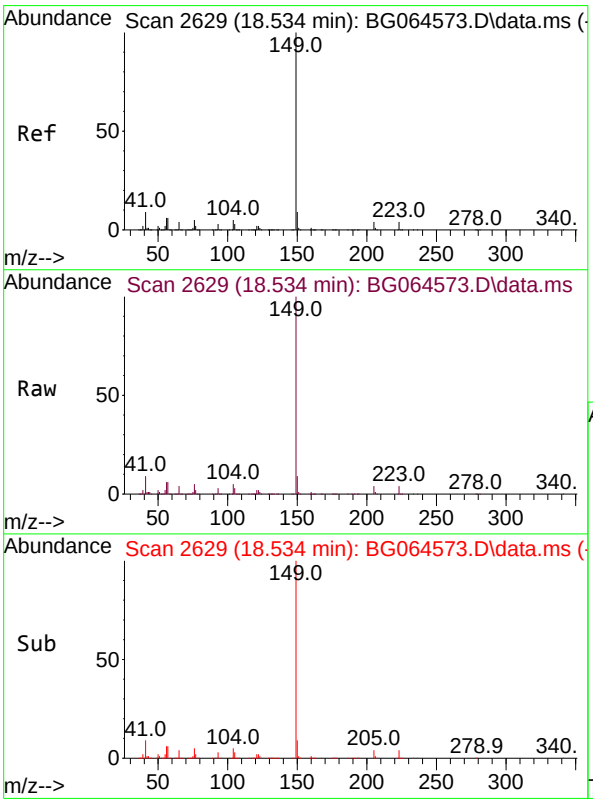
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

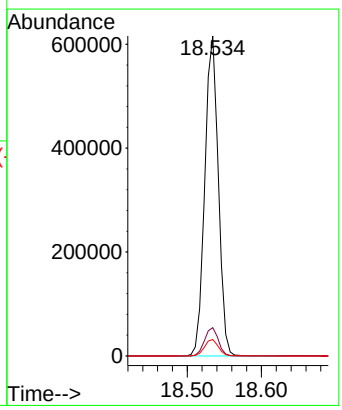
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

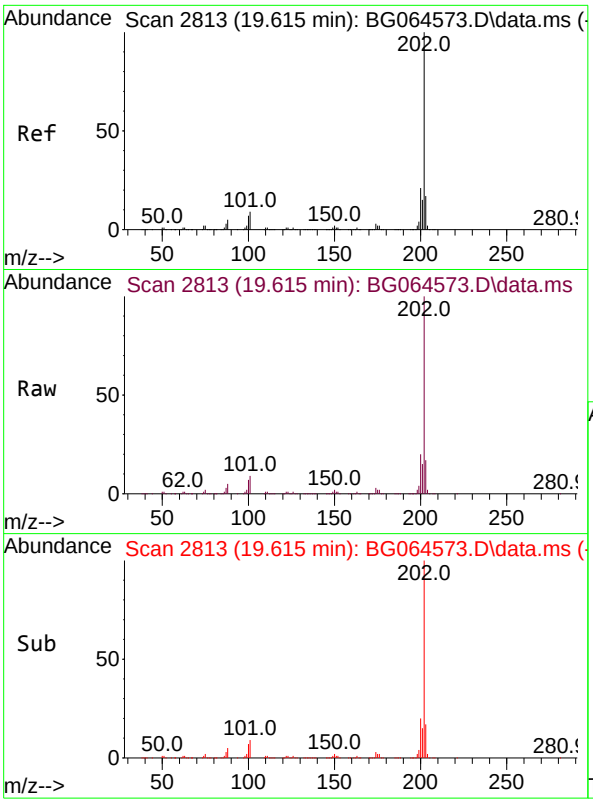


#74
Di-n-butylphthalate
Concen: 43.711 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 776847

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.1	4.1	6.1

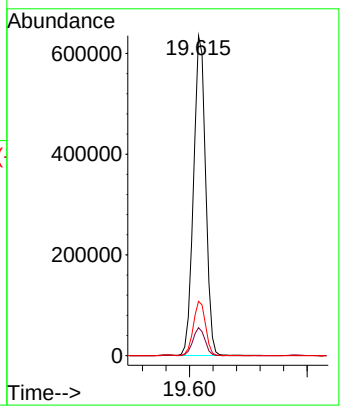




#75
Fluoranthene
Concen: 42.050 ng
RT: 19.615 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 90255

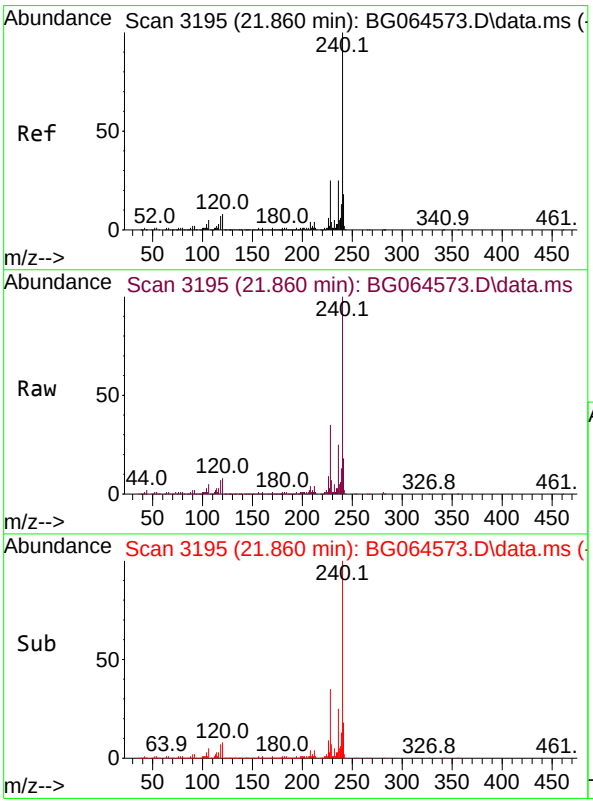
Ion	Ratio	Lower	Upper
202	100		
101	8.7	0.0	28.7
203	17.0	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

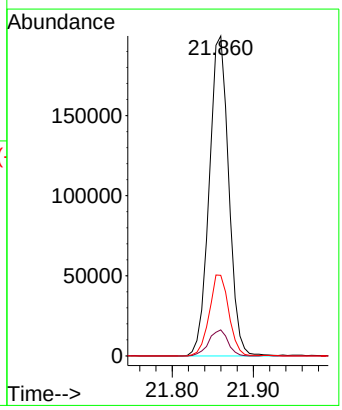
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

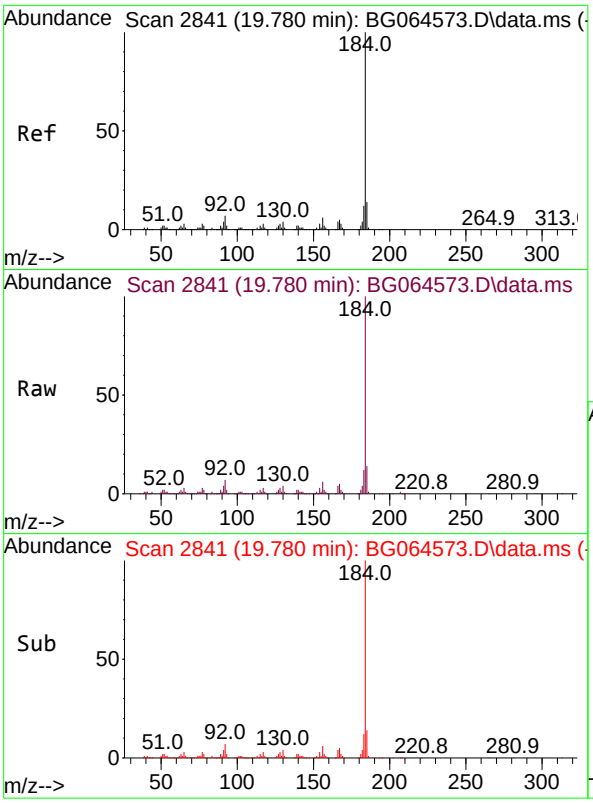


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.860 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:240 Resp: 332834

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.5	9.7
236	25.2	20.2	30.2

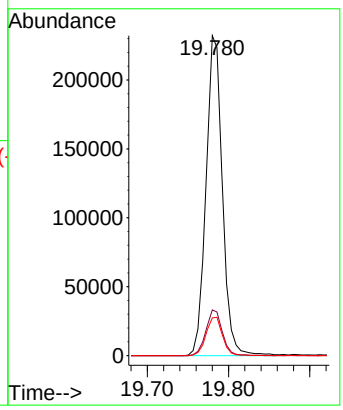




#77
Benzidine
Concen: 43.697 ng
RT: 19.780 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:184 Resp: 32584

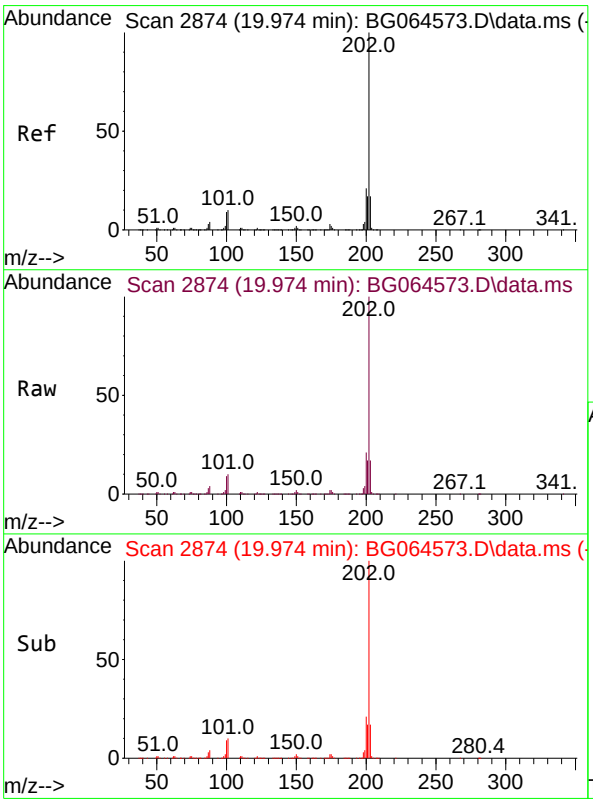
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

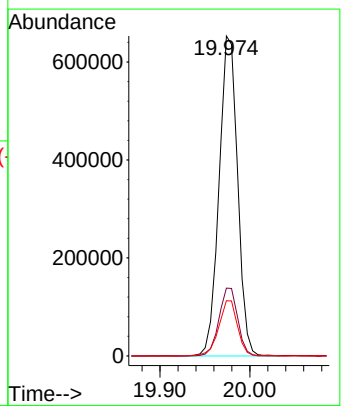
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

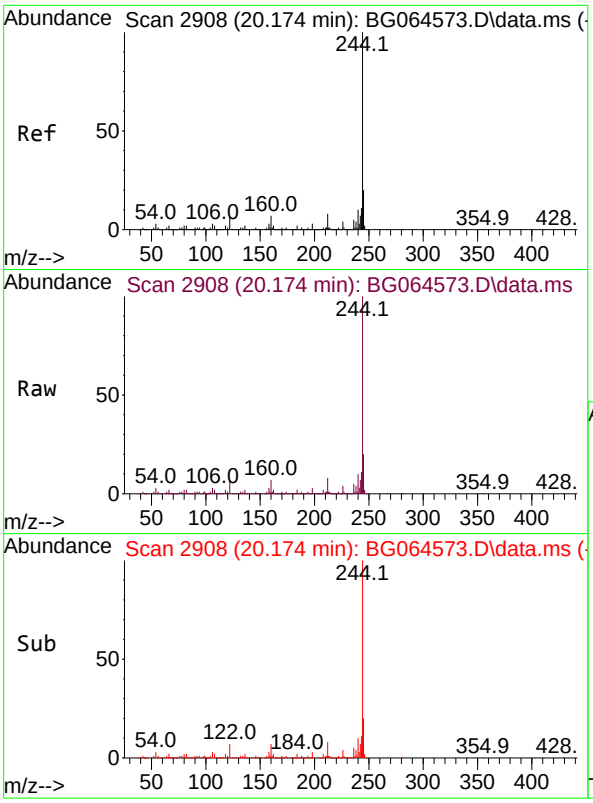


#78
Pyrene
Concen: 43.186 ng
RT: 19.974 min Scan# 2874
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:202 Resp: 939110

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.2	13.8	20.6

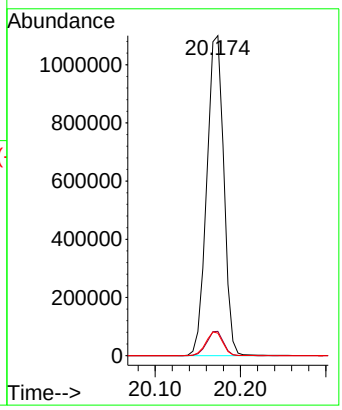




#79
Terphenyl-d14
Concen: 86.242 ng
RT: 20.174 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:244 Resp: 152102

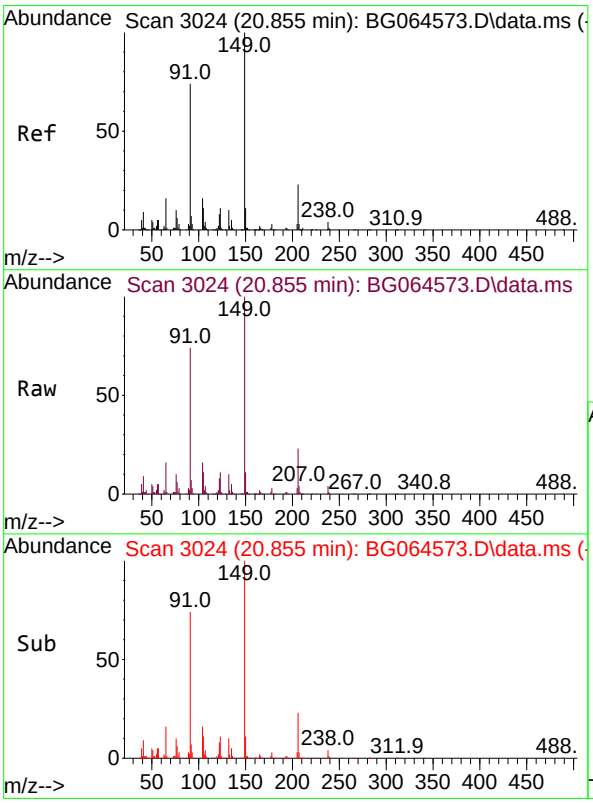
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	7.0	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

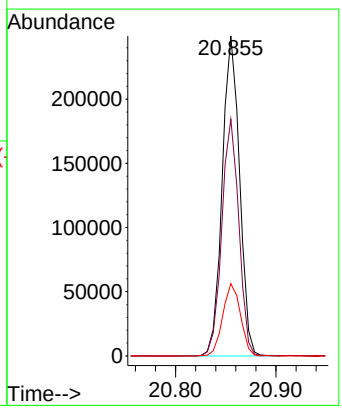
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

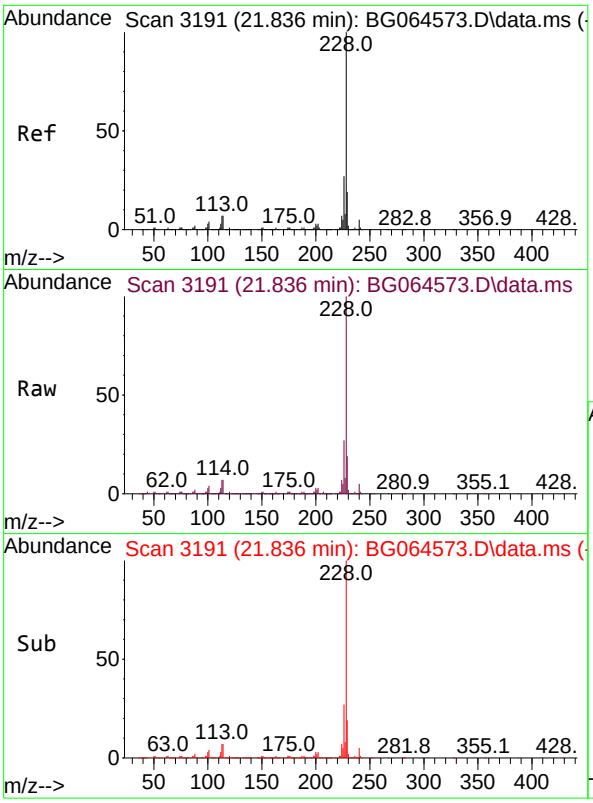


#80
Butylbenzylphthalate
Concen: 45.601 ng
RT: 20.855 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 299706

Ion	Ratio	Lower	Upper
149	100		
91	74.0	59.2	88.8
206	22.6	18.1	27.1

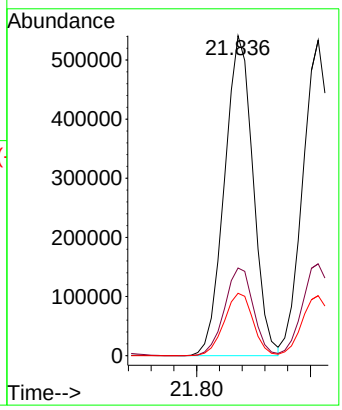




#81
Benzo(a)anthracene
Concen: 42.723 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 94283

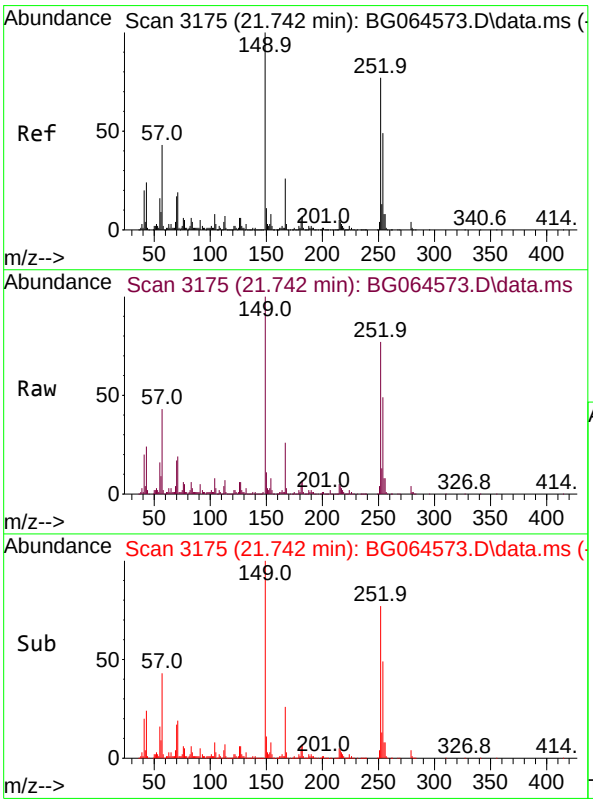
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.9	32.9
229	19.5	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

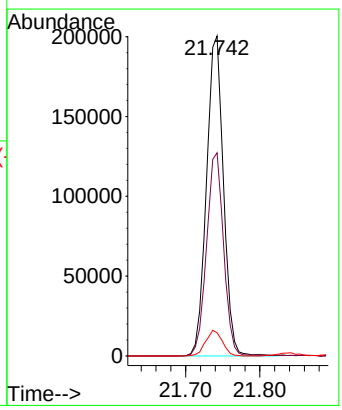
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

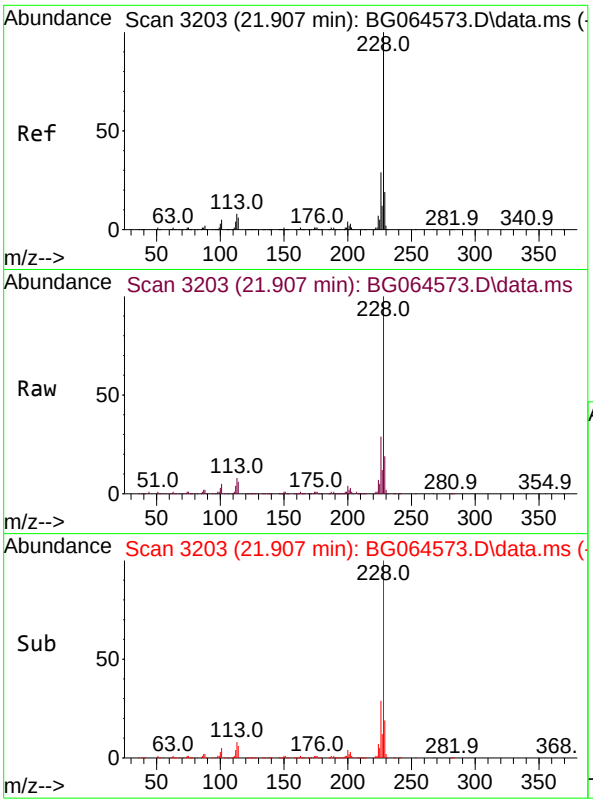


#82
3,3'-Dichlorobenzidine
Concen: 43.131 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 317851

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.8	76.2
126	7.2	5.8	8.6

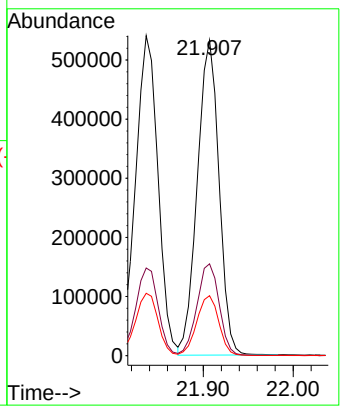




#83
Chrysene
Concen: 42.613 ng
RT: 21.907 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:228 Resp: 89481

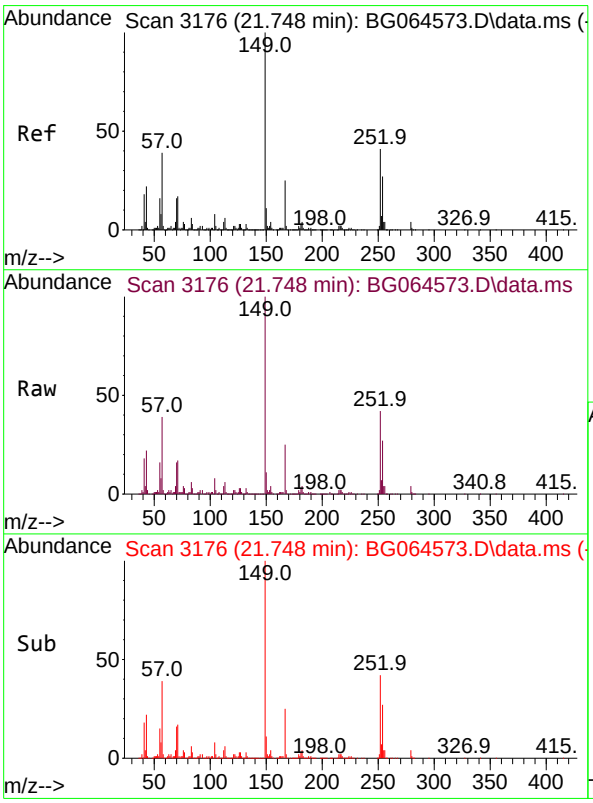
Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.3	34.9
229	19.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

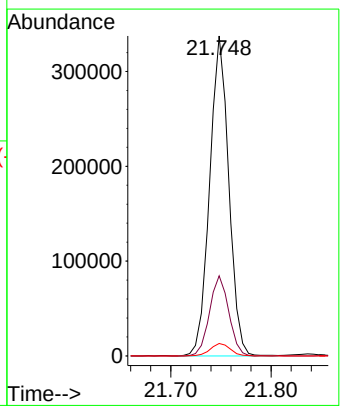
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

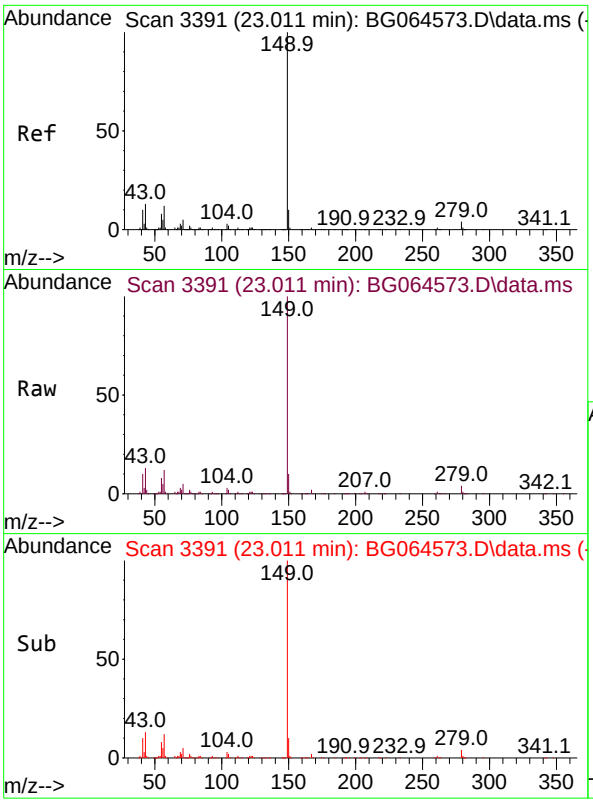


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.494 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:149 Resp: 446785

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.0	30.0
279	3.9	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 43.688 ng
RT: 23.011 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

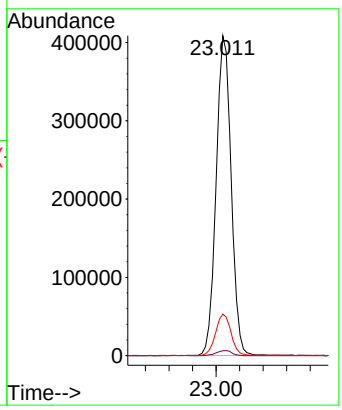
Tgt Ion:149 Resp: 72336

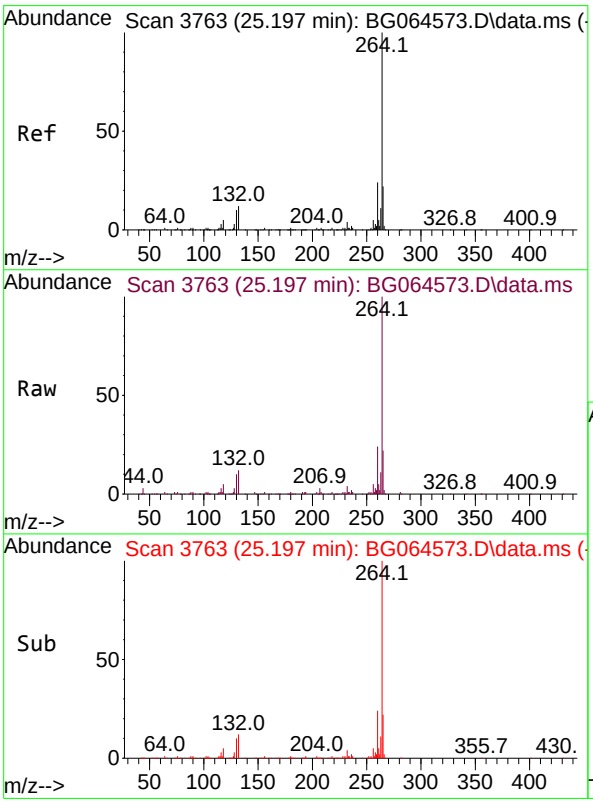
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

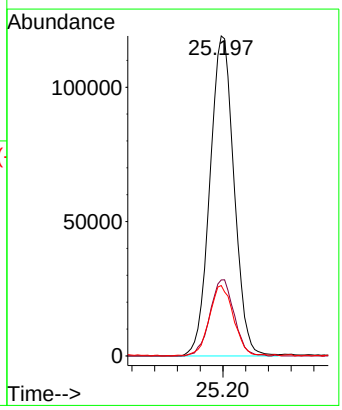


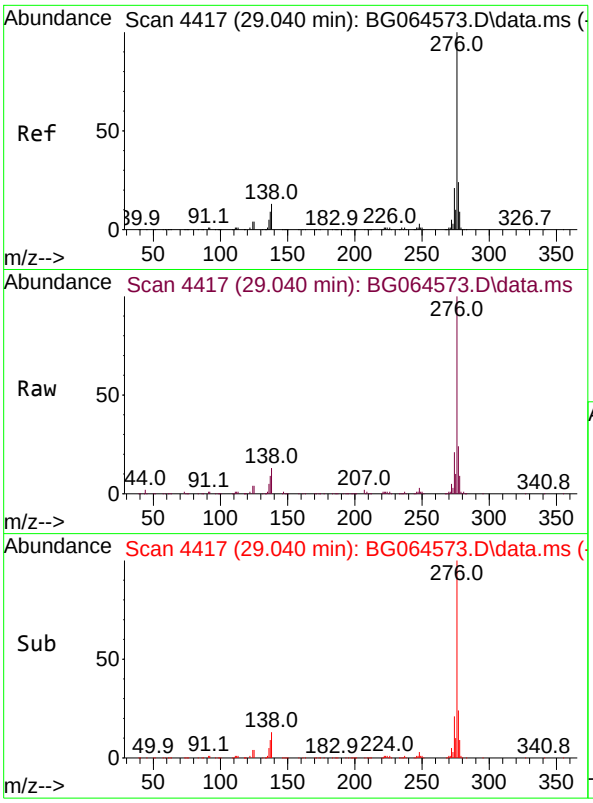


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.197 min Scan# 3763
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:264 Resp: 350897

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.4
265	22.0	17.6	26.4

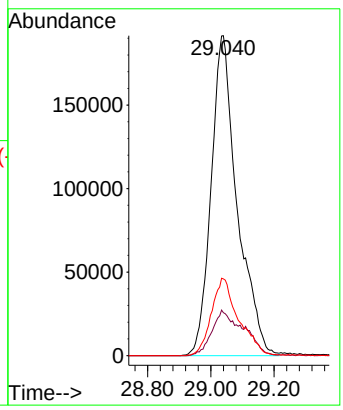




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.624 ng
RT: 29.040 min Scan# 44
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259

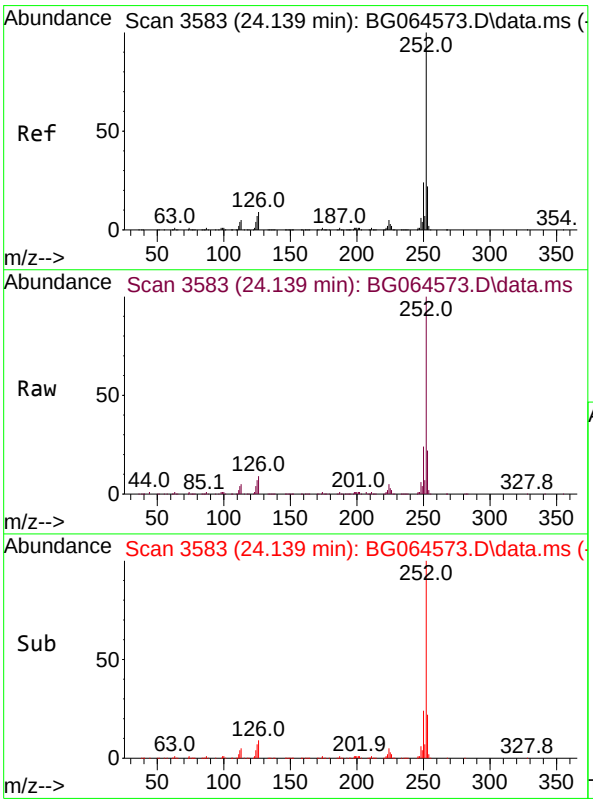
Ion	Ratio	Lower	Upper
276	100		
138	13.5	10.8	16.2
277	25.1	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

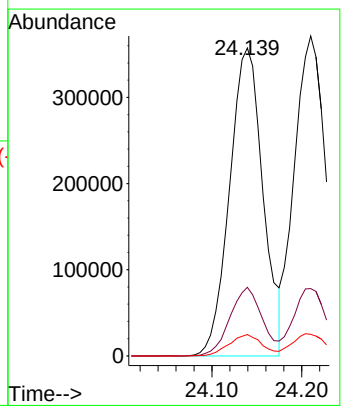
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

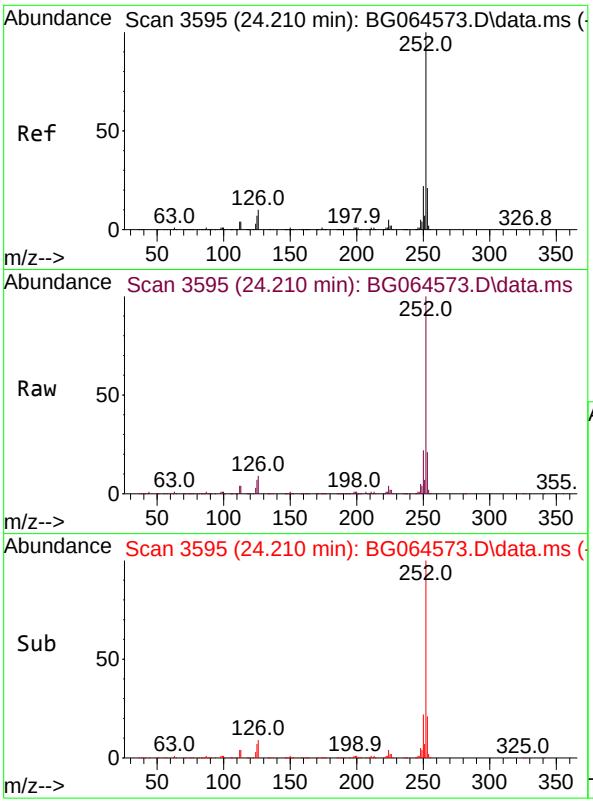


#88
Benzo(b)fluoranthene
Concen: 43.108 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 927550

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	7.0	5.6	8.4

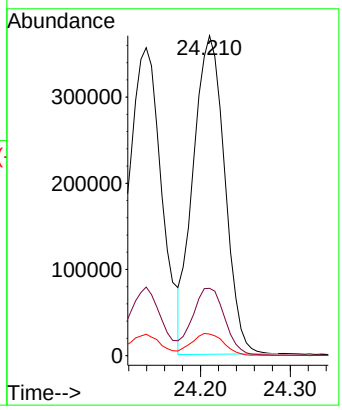




#89
Benzo(k)fluoranthene
Concen: 41.878 ng
RT: 24.210 min Scan# 3
Delta R.T. -0.009 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 90170

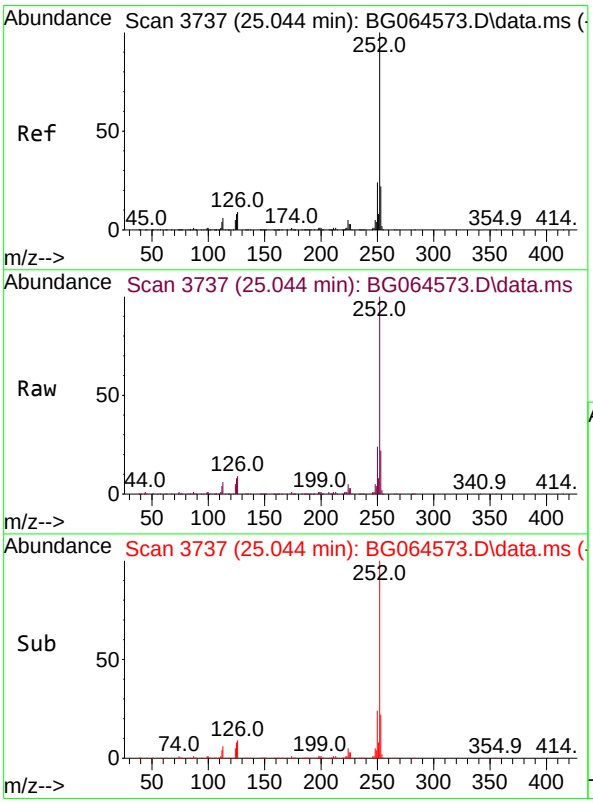
Ion	Ratio	Lower	Upper
252	100		
253	21.0	16.8	25.2
125	6.7	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

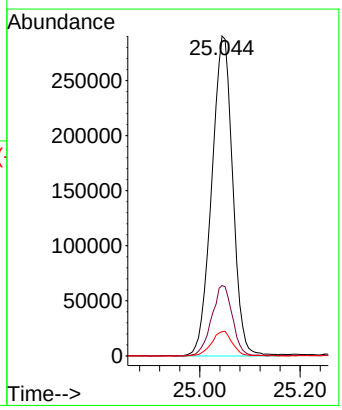
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

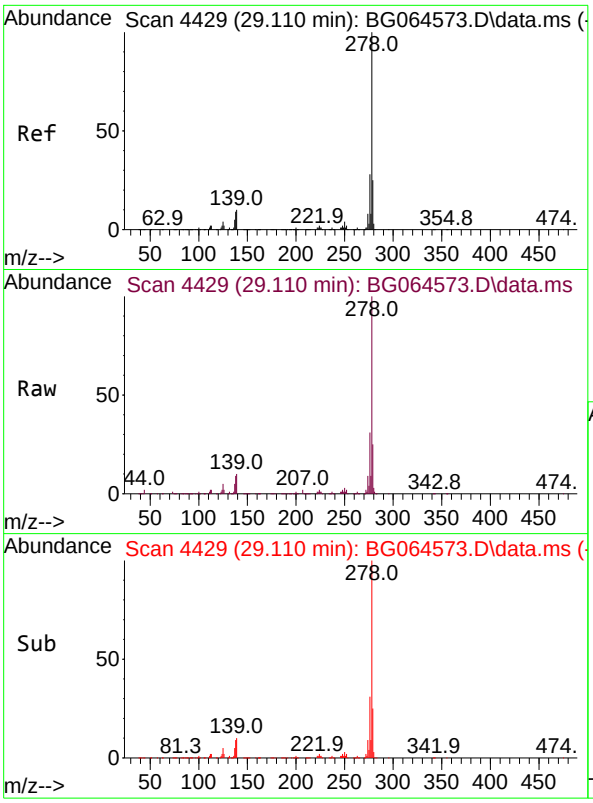


#90
Benzo(a)pyrene
Concen: 42.635 ng
RT: 25.044 min Scan# 3737
Delta R.T. -0.015 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:252 Resp: 843258

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.6	6.1	9.1

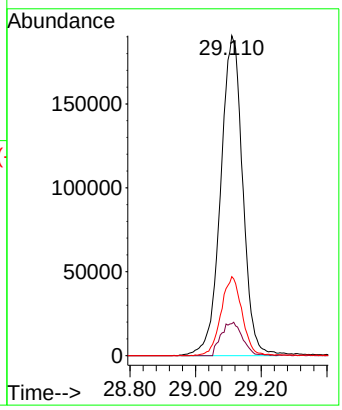




#91
Dibenzo(a,h)anthracene
Concen: 42.430 ng
RT: 29.110 min Scan# 44
Delta R.T. -0.027 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:278 Resp: 889808

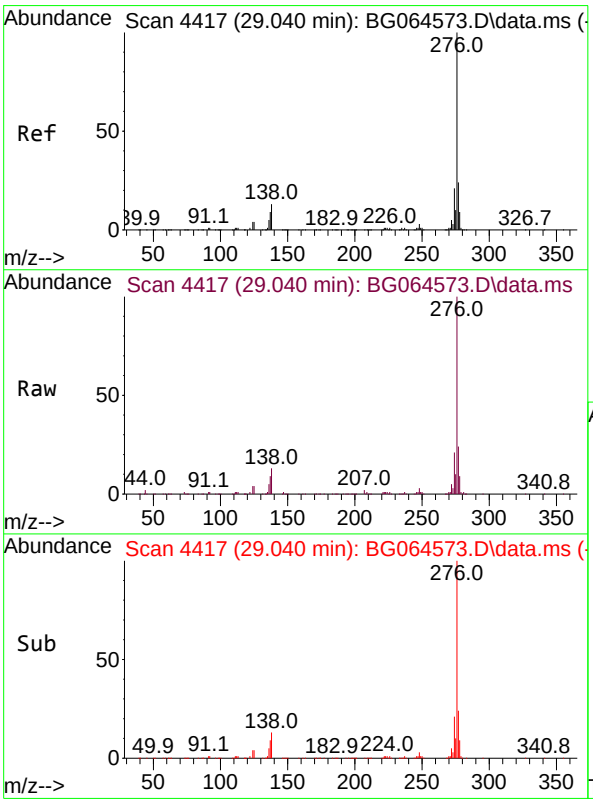
Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	24.7	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

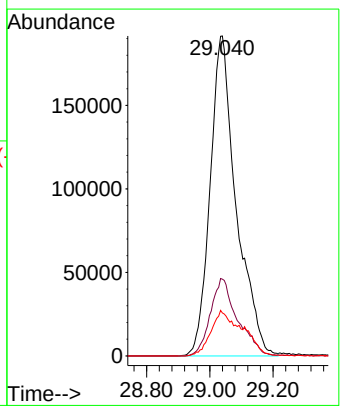
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 42.624 ng
RT: 29.040 min Scan# 4417
Delta R.T. -0.021 min
Lab File: BG064573.D
Acq: 24 Oct 2025 13:03

Tgt Ion:276 Resp: 1100259

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	13.4	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	40271	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	168005	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	134994	20.000	ng		0.00
64) Phenanthrene-d10	17.579	188	324385	20.000	ng		0.00
76) Chrysene-d12	21.856	240	340896	20.000	ng		0.00
86) Perylene-d12	25.205	264	350916	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.746	112	318446	132.728	ng		0.00
7) Phenol-d6	7.355	99	450449	136.821	ng		0.00
23) Nitrobenzene-d5	9.388	82	406268	145.243	ng		0.00
42) 2,4,6-Tribromophenol	16.321	330	280190	143.807	ng		0.00
45) 2-Fluorobiphenyl	13.478	172	1120989	125.867	ng		0.00
79) Terphenyl-d14	20.176	244	2253704	124.763	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.589	88	67487	63.535	ng		98
3) Pyridine	4.001	79	209372	65.637	ng		98
4) n-Nitrosodimethylamine	3.907	42	111310	65.071	ng		94
6) Aniline	7.532	93	294791	65.803	ng		98
8) 2-Chlorophenol	7.779	128	176533	70.297	ng		98
9) Benzaldehyde	7.344	77	118559	65.963	ng		98
10) Phenol	7.379	94	244914	67.267	ng		98
11) bis(2-Chloroethyl)ether	7.532	93	294791	65.803	ng		99
12) 1,3-Dichlorobenzene	8.113	146	186290	64.452	ng		99
13) 1,4-Dichlorobenzene	8.254	146	188553	64.157	ng		95
14) 1,2-Dichlorobenzene	8.583	146	183593	64.766	ng		98
15) Benzyl Alcohol	8.448	79	185157	68.201	ng		97
16) 2,2'-oxybis(1-Chloropr...	8.742	45	459295	65.410	ng		100
17) 2-Methylphenol	8.448	107	95860	70.639	ng		95
18) Hexachloroethane	9.324	117	67237	65.193	ng		99
19) n-Nitroso-di-n-propyla...	9.030	70	155683	68.424	ng		99
20) 3+4-Methylphenols	8.983	107	228995	67.359	ng		98
22) Acetophenone	9.048	105	297413	64.759	ng	#	96
24) Nitrobenzene	9.430	77	220774	72.567	ng		98
25) Isophorone	9.958	82	449298	66.940	ng		99
26) 2-Nitrophenol	10.146	139	76368	63.945	ng		98
27) 2,4-Dimethylphenol	10.193	122	181063m	71.099	ng		
28) bis(2-Chloroethoxy)met...	10.440	93	248699	65.078	ng		99
29) 2,4-Dichlorophenol	10.681	162	188233	70.056	ng		96
30) 1,2,4-Trichlorobenzene	10.904	180	200988	65.837	ng		95
31) Naphthalene	11.098	128	605239	64.976	ng		99
32) Benzoic acid	10.340	122	131162m	68.067	ng		
33) 4-Chloroaniline	11.192	127	245101	67.699	ng		98
34) Hexachlorobutadiene	11.392	225	154303	64.630	ng		97
35) Caprolactam	11.968	113	71319	69.206	ng		96
36) 4-Chloro-3-methylphenol	12.297	107	228833	70.853	ng		100
37) 2-Methylnaphthalene	12.690	142	447497	65.435	ng		98
38) 1-Methylnaphthalene	12.908	142	442677	65.785	ng		99
40) 1,2,4,5-Tetrachloroben...	13.055	216	290173	64.049	ng		100
41) Hexachlorocyclopentadiene	13.037	237	137727	67.540	ng		99
43) 2,4,6-Trichlorophenol	13.278	196	184771	71.299	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 24 17:11:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.354	196	209320	69.994	ng		96
46) 1,1'-Biphenyl	13.683	154	606860	63.233	ng		98
47) 2-Chloronaphthalene	13.730	162	463792	64.022	ng		98
48) 2-Nitroaniline	13.913	65	163796	66.052	ng		95
49) Acenaphthylene	14.571	152	739728	64.738	ng		100
50) Dimethylphthalate	14.289	163	688128	66.616	ng		99
51) 2,6-Dinitrotoluene	14.400	165	114588	65.951	ng		95
52) Acenaphthene	14.911	154	510499	65.392	ng		98
53) 3-Nitroaniline	14.729	138	131776	74.231	ng		91
54) 2,4-Dinitrophenol	14.929	184	66900	65.082	ng	#	75
55) Dibenzofuran	15.240	168	804964	63.779	ng		97
56) 4-Nitrophenol	15.017	139	114408	69.512	ng		97
57) 2,4-Dinitrotoluene	15.187	165	175802	65.522	ng	#	100
58) Fluorene	15.887	166	627437	63.656	ng		100
59) 2,3,4,6-Tetrachlorophenol	15.458	232	205529	71.870	ng		99
60) Diethylphthalate	15.652	149	695924	65.982	ng		99
61) 4-Chlorophenyl-phenyle...	15.875	204	359759	65.038	ng		99
62) 4-Nitroaniline	15.893	138	143839	72.832	ng		98
63) Azobenzene	16.169	77	633520	65.464	ng		99
65) 4,6-Dinitro-2-methylph...	15.945	198	94338	64.046	ng		93
66) n-Nitrosodiphenylamine	16.086	169	577835	65.944	ng		99
67) 4-Bromophenyl-phenylether	16.768	248	256556	66.740	ng		100
68) Hexachlorobenzene	16.891	284	293831	67.001	ng		96
69) Atrazine	17.026	200	254070	67.378	ng		97
70) Pentachlorophenol	17.226	266	193954	70.923	ng		91
71) Phenanthrene	17.626	178	1147317	64.676	ng		99
72) Anthracene	17.714	178	1171223	64.905	ng		99
73) Carbazole	17.972	167	1000680	62.887	ng		99
74) Di-n-butylphthalate	18.536	149	1165396	63.334	ng		99
75) Fluoranthene	19.618	202	1364891	61.419	ng		98
77) Benzidine	19.782	184	544918	71.348	ng		99
78) Pyrene	19.976	202	1437669	64.549	ng		99
80) Butylbenzylphthalate	20.857	149	477358	70.914	ng		98
81) Benzo(a)anthracene	21.839	228	1462488	64.702	ng		99
82) 3,3'-Dichlorobenzidine	21.739	252	497174	65.868	ng		99
83) Chrysene	21.909	228	1389821	64.621	ng		98
84) Bis(2-ethylhexyl)phtha...	21.750	149	681649	67.768	ng		98
85) Di-n-octyl phthalate	23.014	149	1142651	67.379	ng		100
87) Indeno(1,2,3-cd)pyrene	29.048	276	1729035	66.979	ng		98
88) Benzo(b)fluoranthene	24.142	252	1424640	66.207	ng		99
89) Benzo(k)fluoranthene	24.218	252	1436312	66.703	ng		99
90) Benzo(a)pyrene	25.052	252	1311701	66.315	ng		100
91) Dibenzo(a,h)anthracene	29.124	278	1394234	66.479	ng		99
92) Benzo(g,h,i)perylene	29.048	276	1729035	66.979	ng		98

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

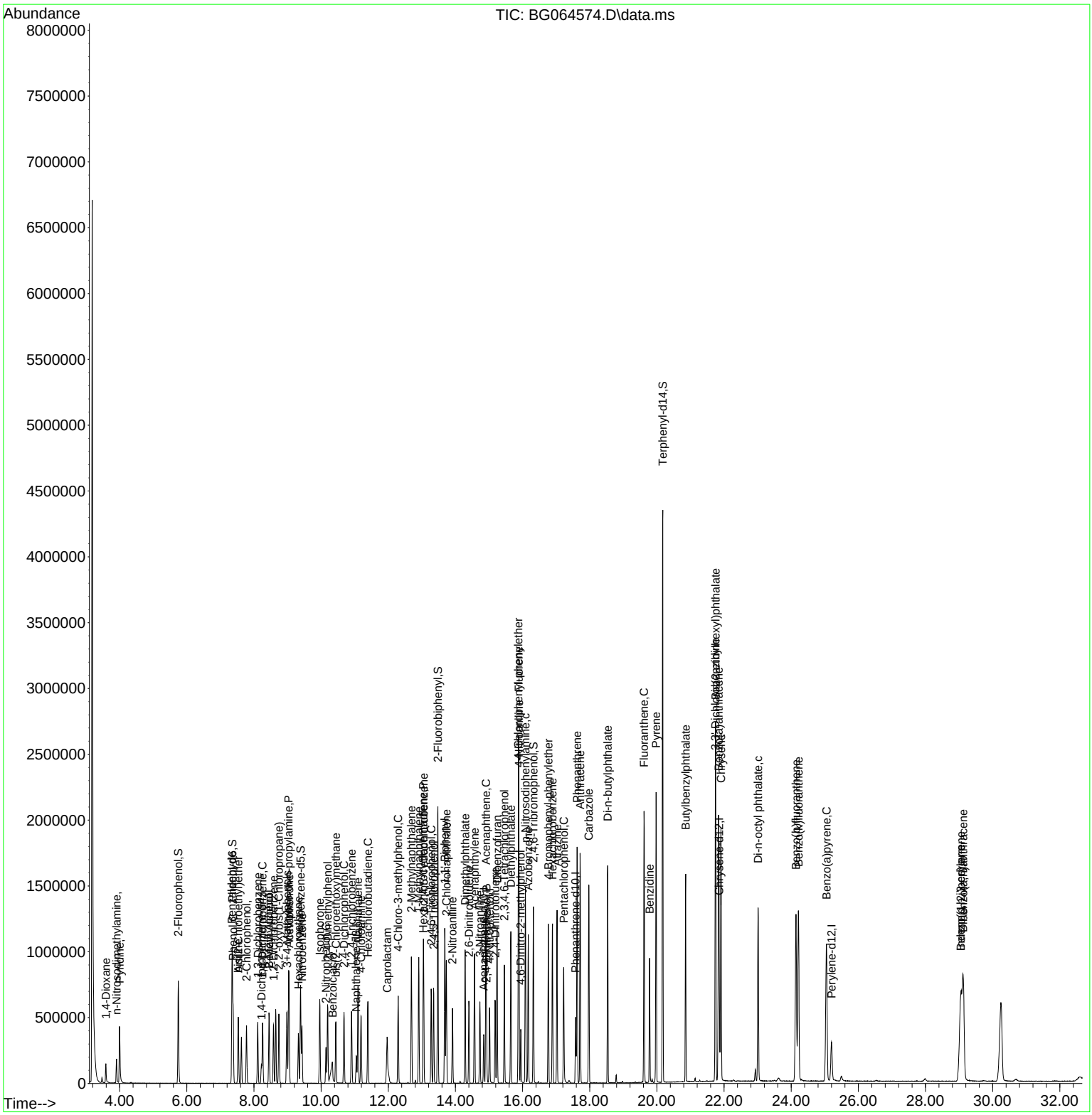
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064574.D
Acq On : 24 Oct 2025 13:44
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 7 Sample Multiplier: 1

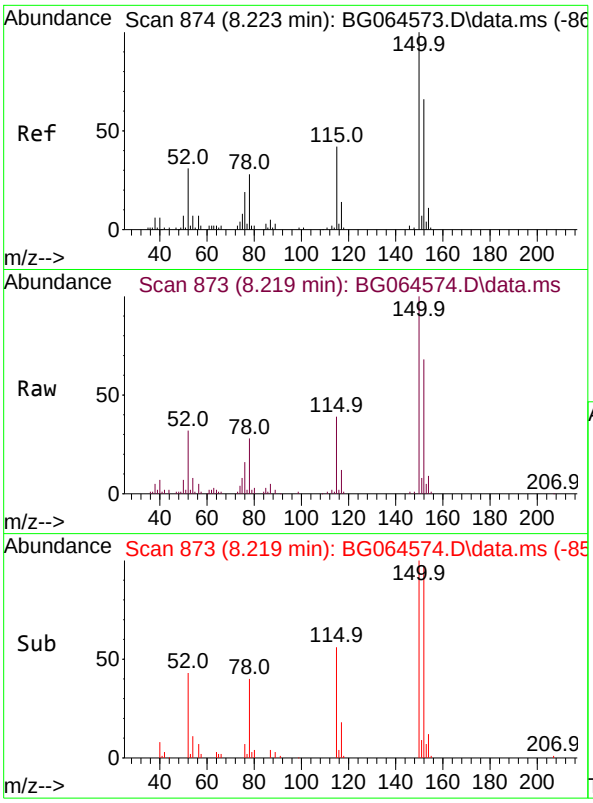
Quant Time: Oct 24 17:11:17 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

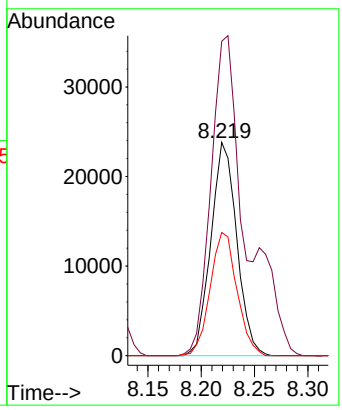




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 4027

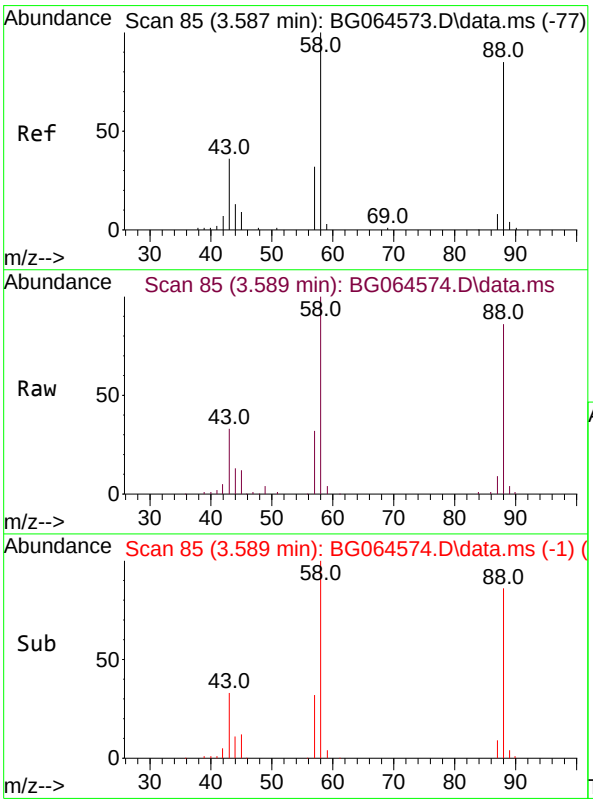
Ion	Ratio	Lower	Upper
152	100		
150	147.4	122.2	183.4
115	57.8	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

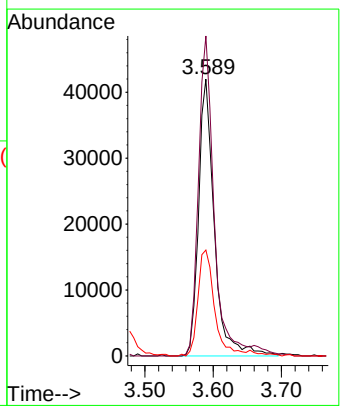
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

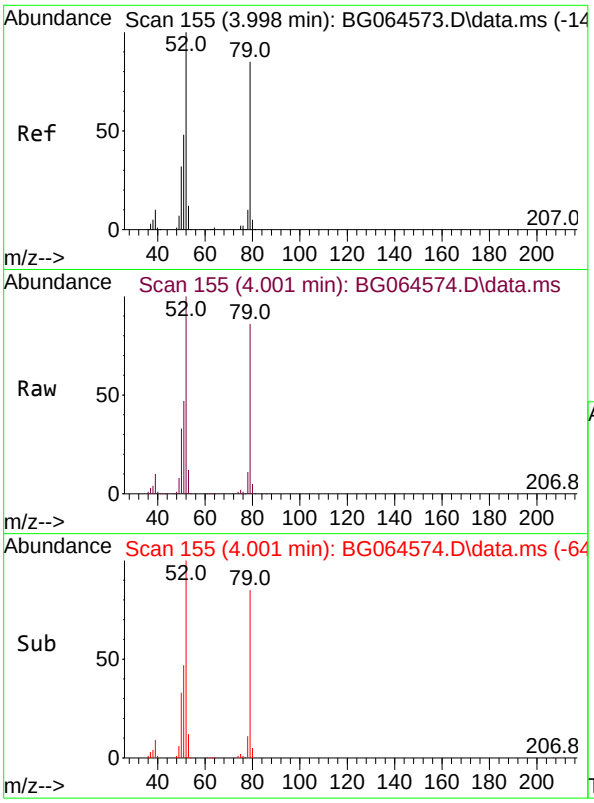


#2
1,4-Dioxane
Concen: 63.535 ng
RT: 3.589 min Scan# 85
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 88 Resp: 67487

Ion	Ratio	Lower	Upper
88	100		
58	113.3	92.4	138.6
43	40.0	33.0	49.6

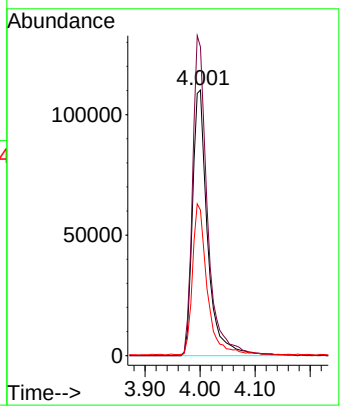




#3
Pyridine
Concen: 65.637 ng
RT: 4.001 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 20937

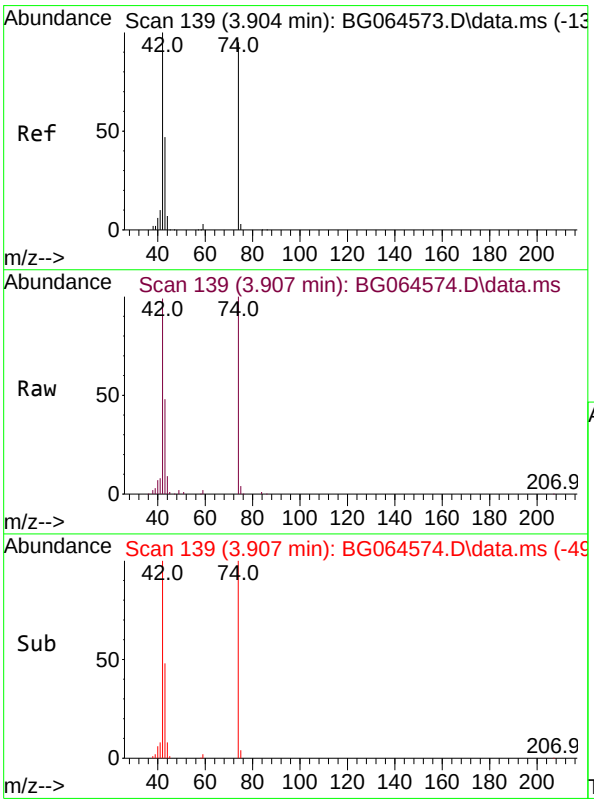
Ion	Ratio	Lower	Upper
79	100		
52	116.3	94.2	141.2
51	54.8	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

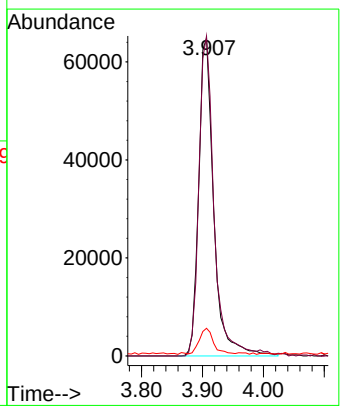
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

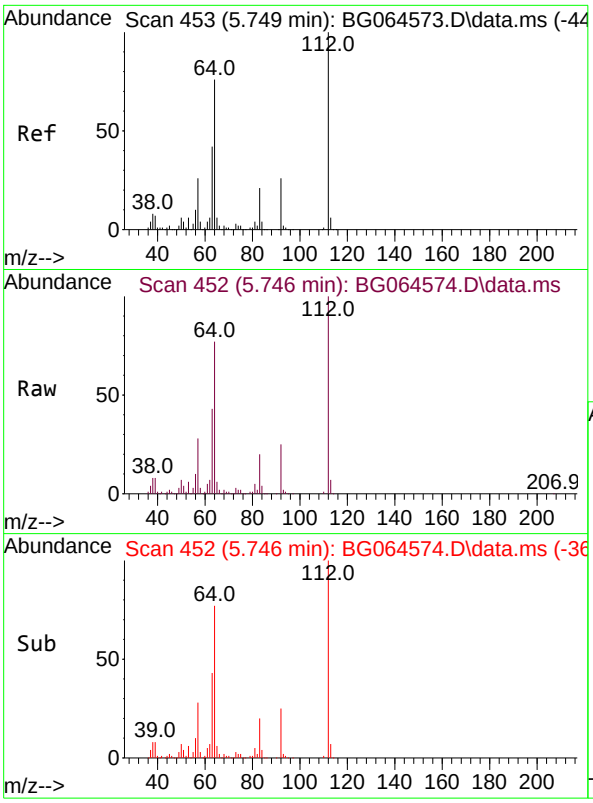


#4
n-Nitrosodimethylamine
Concen: 65.071 ng
RT: 3.907 min Scan# 139
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 42 Resp: 111310

Ion	Ratio	Lower	Upper
42	100		
74	100.7	76.1	114.1
44	8.7	6.3	9.5

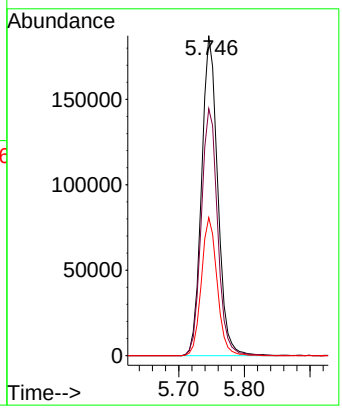




#5
2-Fluorophenol
Concen: 132.728 ng
RT: 5.746 min Scan# 4
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:112 Resp: 31844

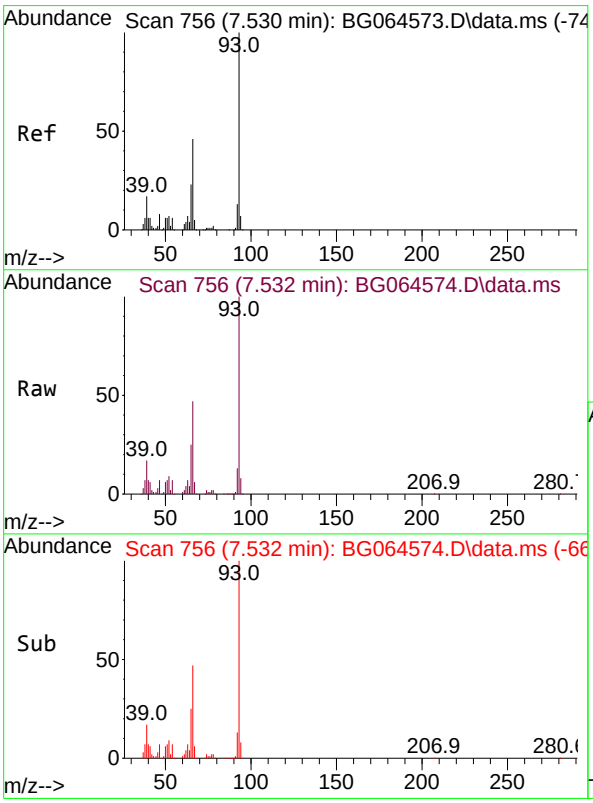
Ion	Ratio	Lower	Upper
112	100		
64	77.2	60.7	91.1
63	43.1	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

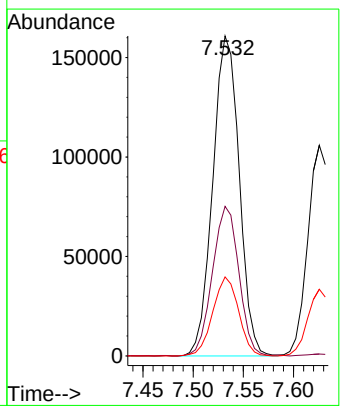
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

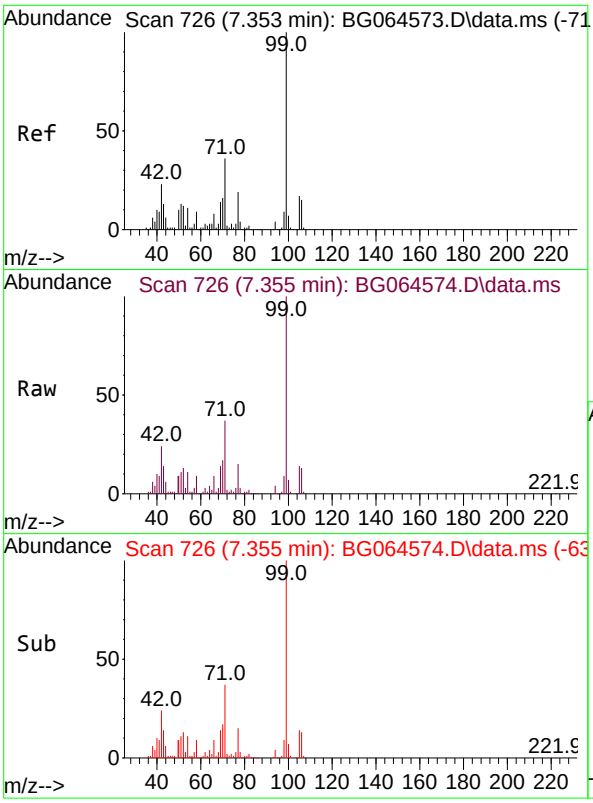


#6
Aniline
Concen: 65.803 ng
RT: 7.532 min Scan# 756
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 294791

Ion	Ratio	Lower	Upper
93	100		
66	46.7	37.0	55.6
65	24.7	18.3	27.5

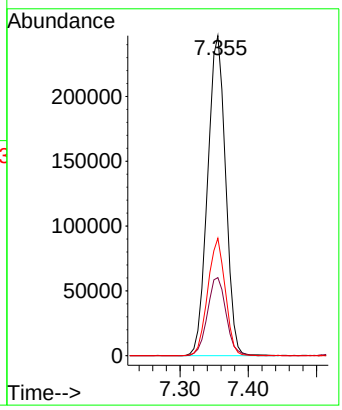




#7
Phenol-d6
Concen: 136.821 ng
RT: 7.355 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 99 Resp: 45044

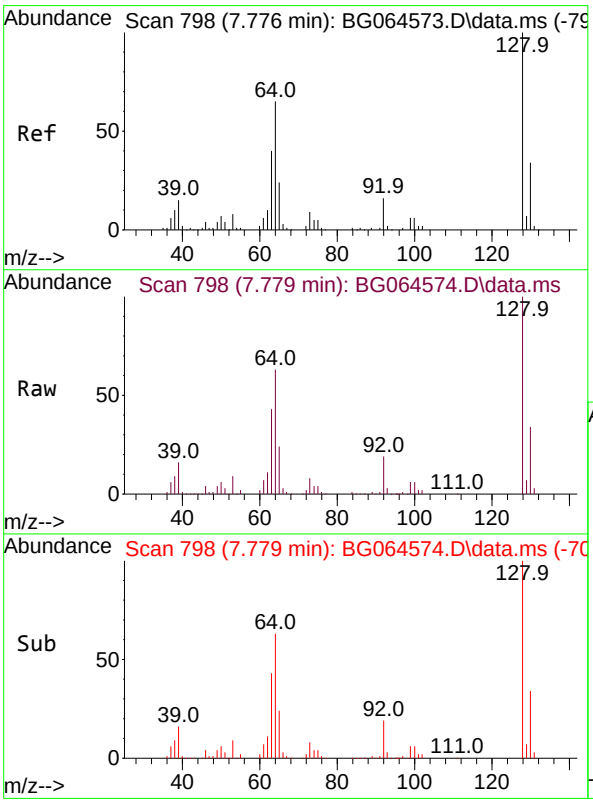
Ion	Ratio	Lower	Upper
99	100		
42	24.4	18.3	27.5
71	36.7	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

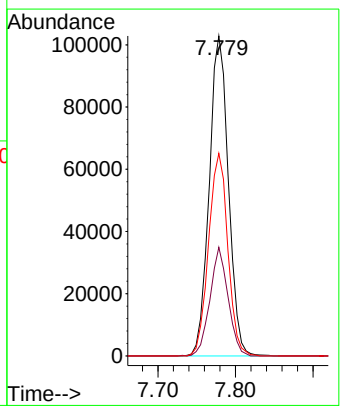
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

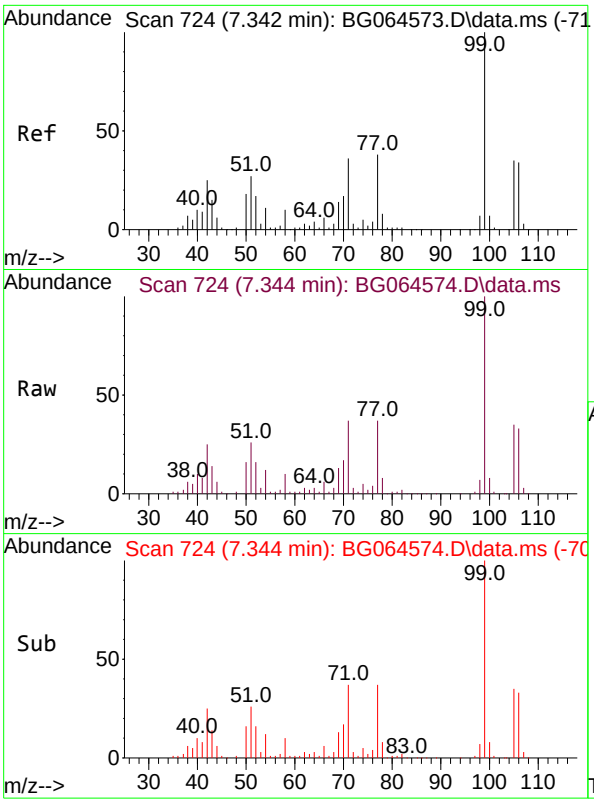


#8
2-Chlorophenol
Concen: 70.297 ng
RT: 7.779 min Scan# 798
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 176533

Ion	Ratio	Lower	Upper
128	100		
130	33.9	13.5	53.5
64	63.3	45.2	85.2

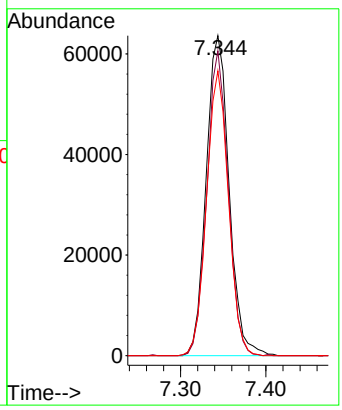




#9
Benzaldehyde
Concen: 65.963 ng
RT: 7.344 min Scan# 7
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 11855

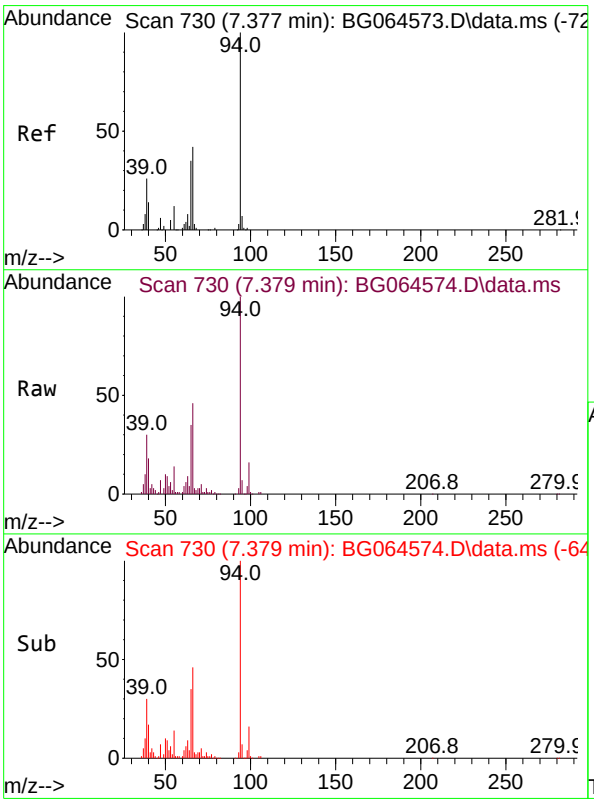
Ion	Ratio	Lower	Upper
77	100		
105	95.2	72.9	112.9
106	89.0	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

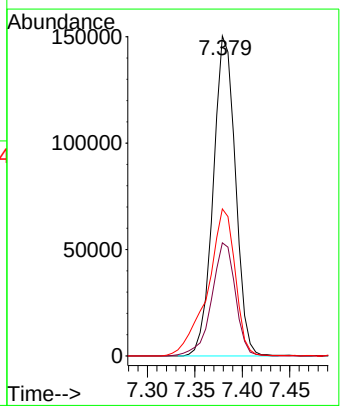
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

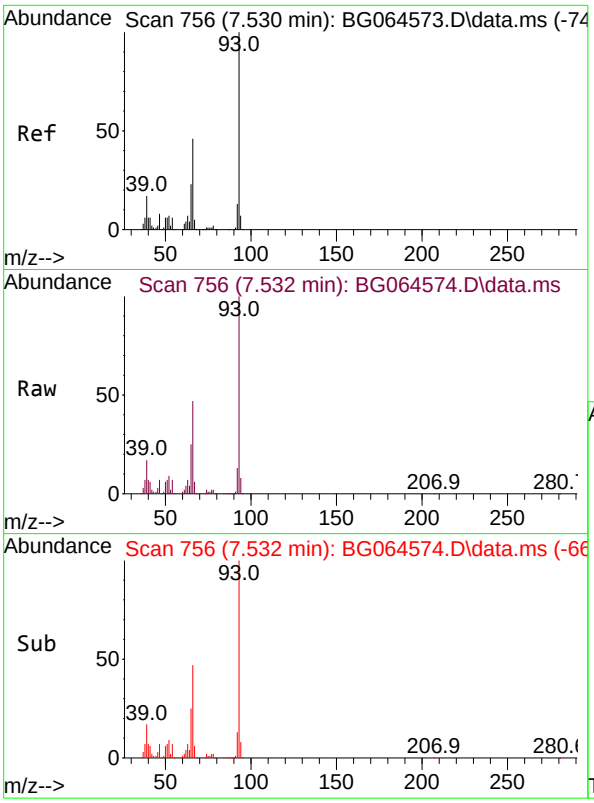


#10
Phenol
Concen: 67.267 ng
RT: 7.379 min Scan# 730
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 94 Resp: 244914

Ion	Ratio	Lower	Upper
94	100		
65	35.3	15.8	55.8
66	45.9	24.0	64.0

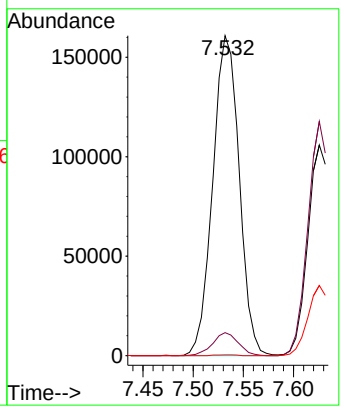




#11
bis(2-Chloroethyl)ether
Concen: 65.803 ng
RT: 7.532 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 29479

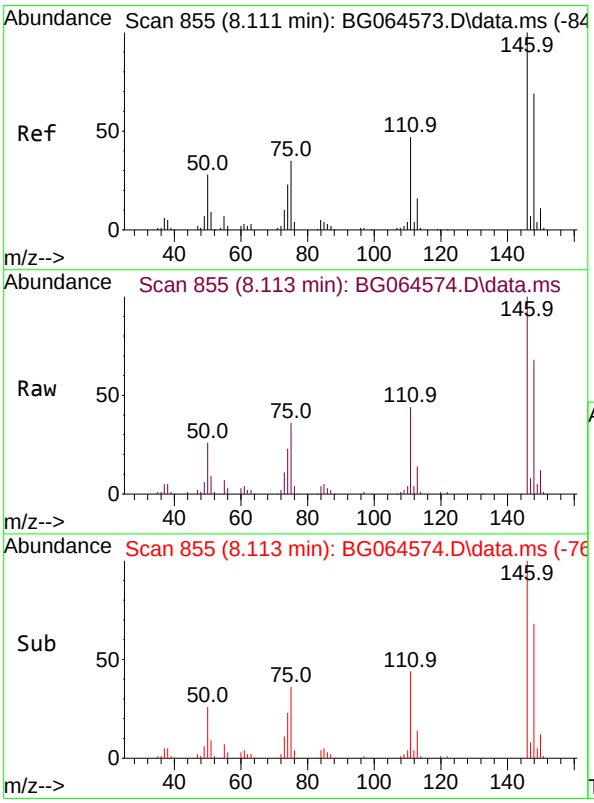
Ion	Ratio	Lower	Upper
93	100		
63	7.2	0.0	27.4
95	0.2	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

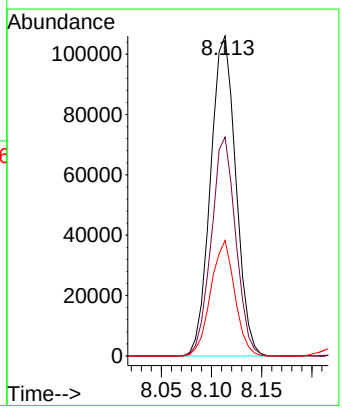
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

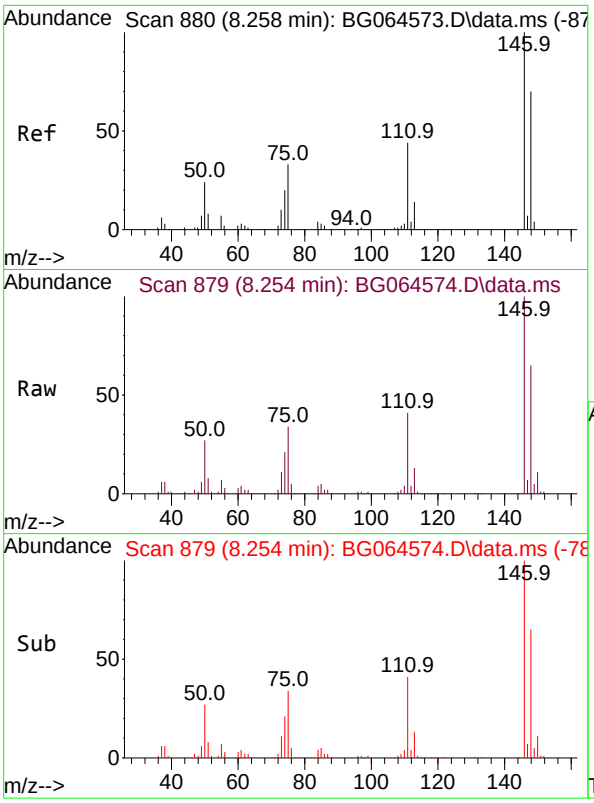


#12
1,3-Dichlorobenzene
Concen: 64.452 ng
RT: 8.113 min Scan# 855
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 186290

Ion	Ratio	Lower	Upper
146	100		
148	68.4	55.3	82.9
75	36.1	28.2	42.2

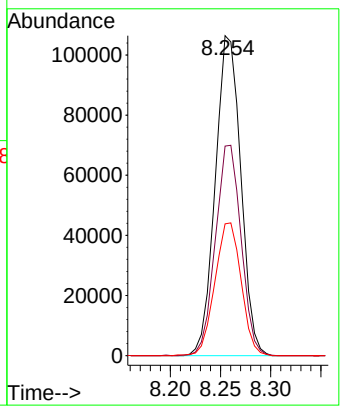




#13
1,4-Dichlorobenzene
Concen: 64.157 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 18855

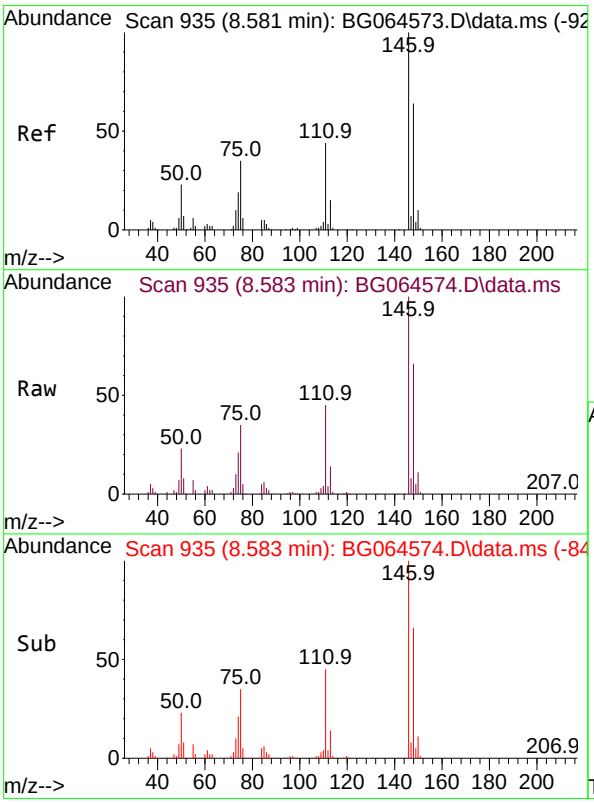
Ion	Ratio	Lower	Upper
146	100		
148	65.5	56.2	84.4
111	41.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

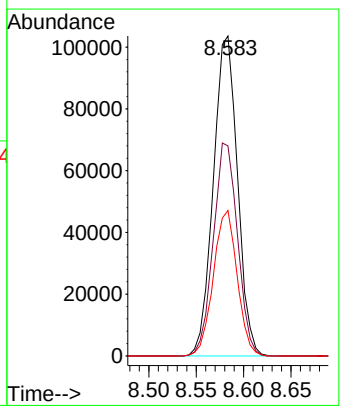
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

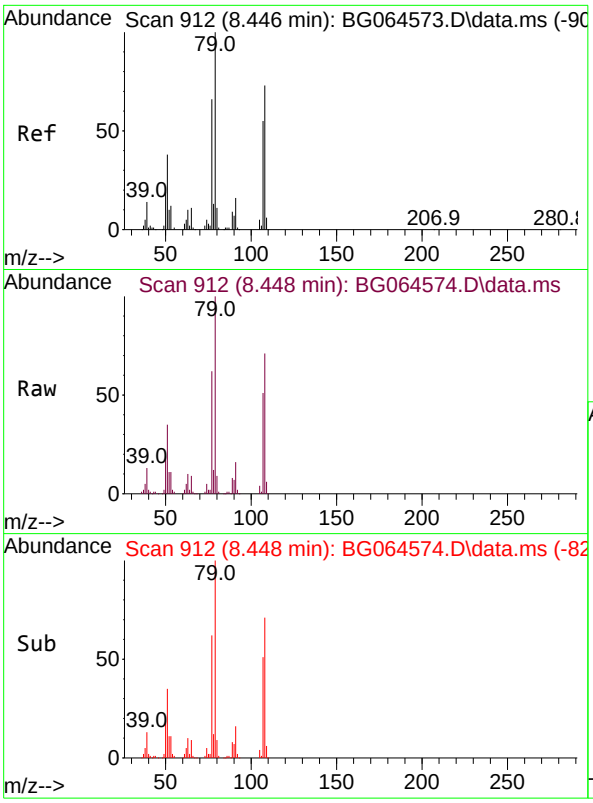


#14
1,2-Dichlorobenzene
Concen: 64.766 ng
RT: 8.583 min Scan# 935
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:146 Resp: 183593

Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.5	77.3
111	45.4	35.0	52.6

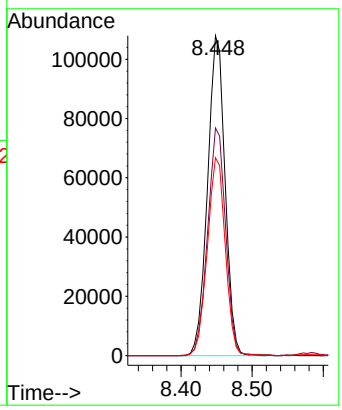




#15
Benzyl Alcohol
Concen: 68.201 ng
RT: 8.448 min Scan# 91
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 79 Resp: 18515

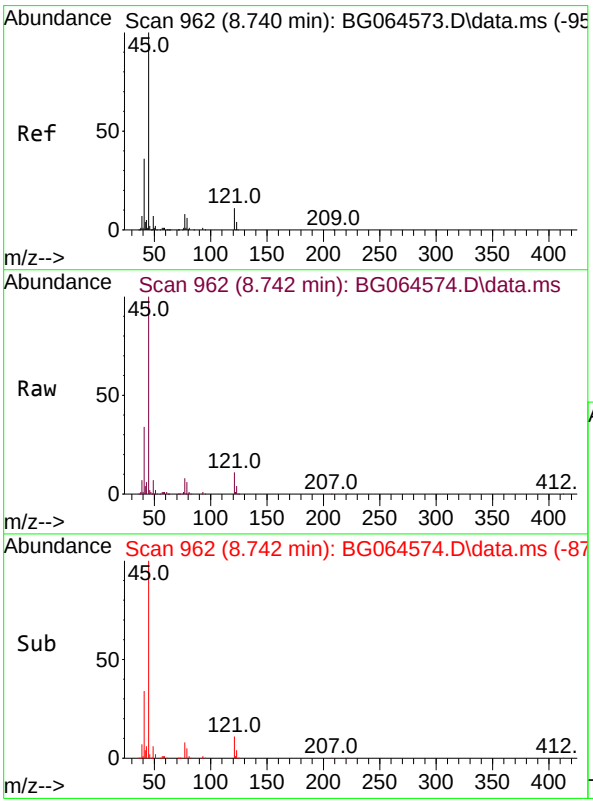
Ion	Ratio	Lower	Upper
79	100		
108	71.1	58.1	87.1
77	61.8	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

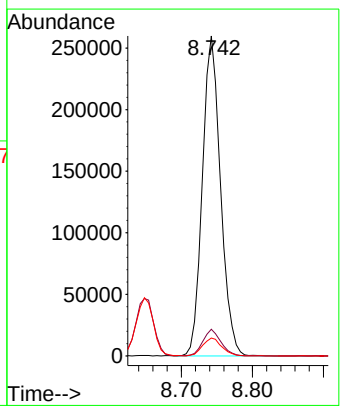
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

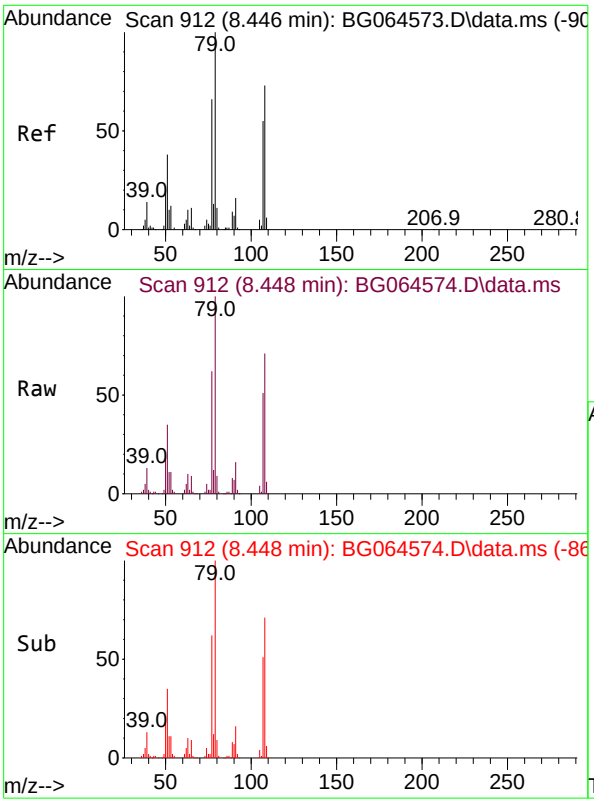


#16
2,2'-oxybis(1-Chloropropane)
Concen: 65.410 ng
RT: 8.742 min Scan# 962
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 45 Resp: 459295

Ion	Ratio	Lower	Upper
45	100		
77	8.3	0.0	28.5
79	5.6	0.0	25.6

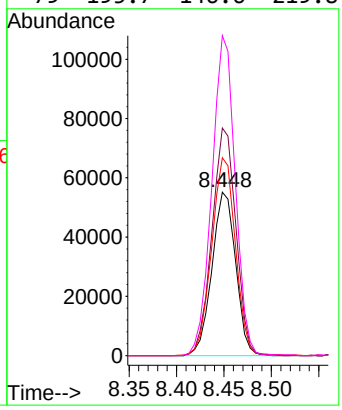




#17
2-Methylphenol
Concen: 70.639 ng
RT: 8.448 min Scan# 91
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 9586

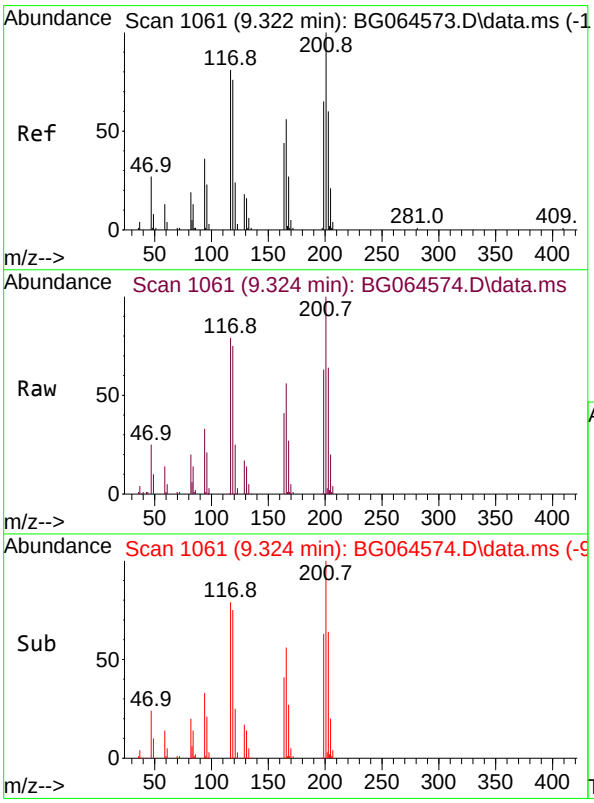
Ion	Ratio	Lower	Upper
107	100		
108	139.2	106.4	159.6
77	121.0	96.7	145.1
79	195.7	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

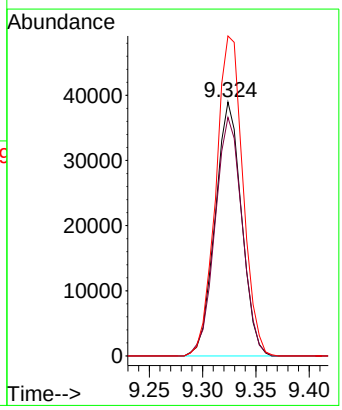
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

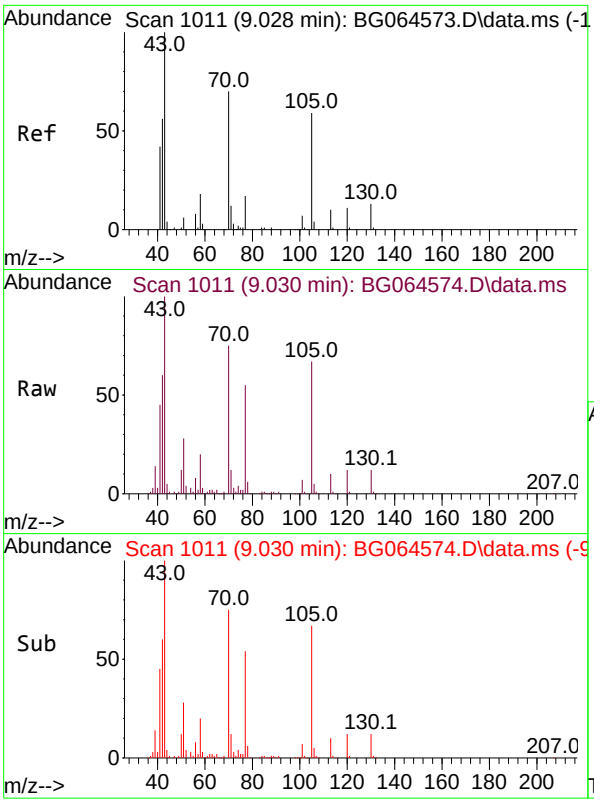


#18
Hexachloroethane
Concen: 65.193 ng
RT: 9.324 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:117 Resp: 67237

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.2
201	126.1	99.2	148.8

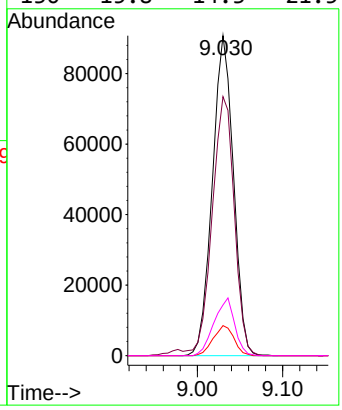




#19
n-Nitroso-di-n-propylamine
Concen: 68.424 ng
RT: 9.030 min Scan# 10
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 70 Resp: 15568

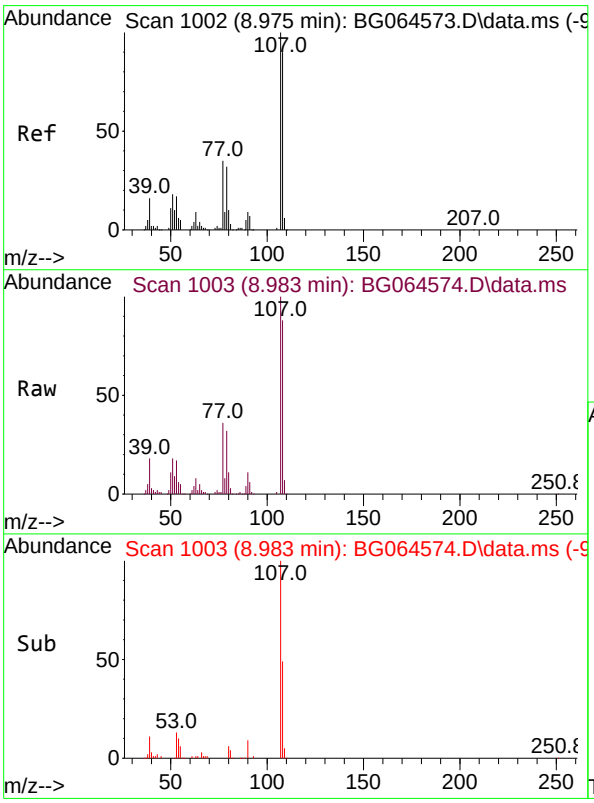
Ion	Ratio	Lower	Upper
70	100		
42	80.9	65.2	97.8
101	9.4	7.9	11.9
130	15.8	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

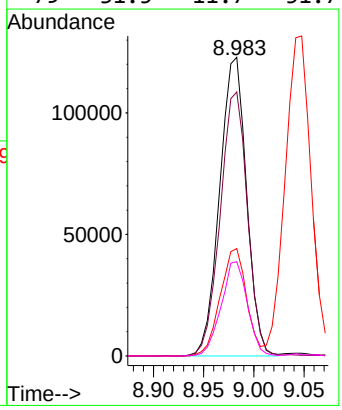
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

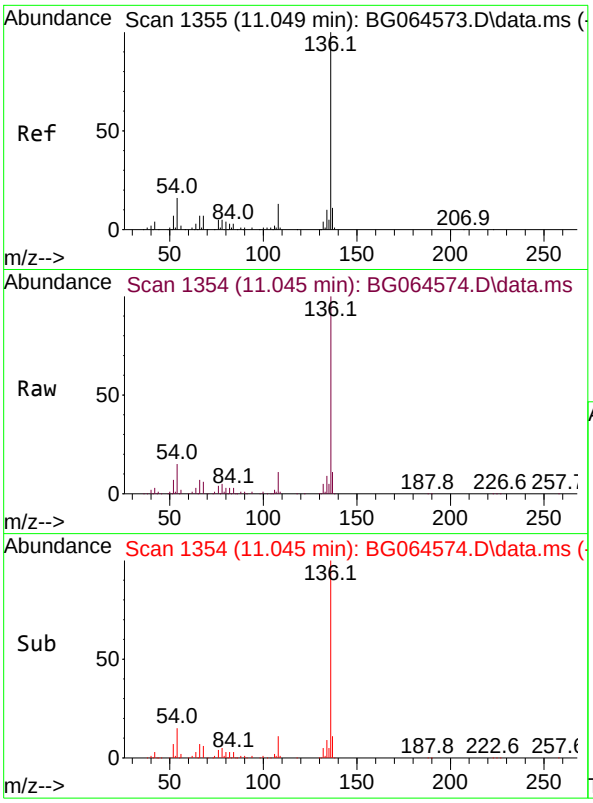


#20
3+4-Methylphenols
Concen: 67.359 ng
RT: 8.983 min Scan# 1003
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228995

Ion	Ratio	Lower	Upper
107	100		
108	88.4	70.3	110.3
77	35.9	14.6	54.6
79	31.5	11.7	51.7

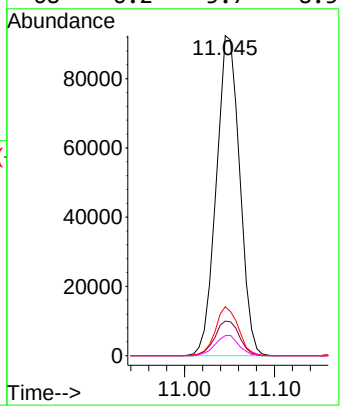




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:136 Resp: 16800

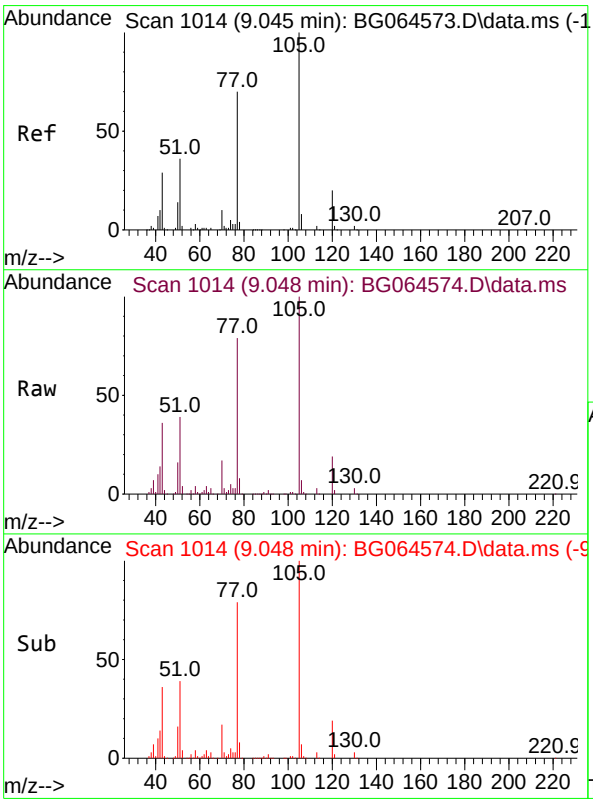
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.2	13.8
54	15.3	12.6	19.0
68	6.2	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

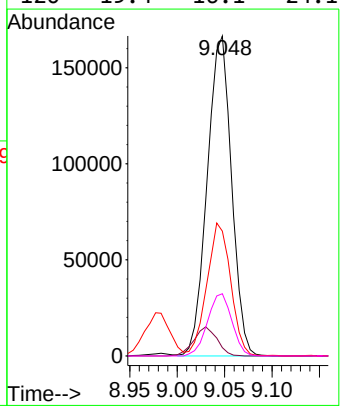
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

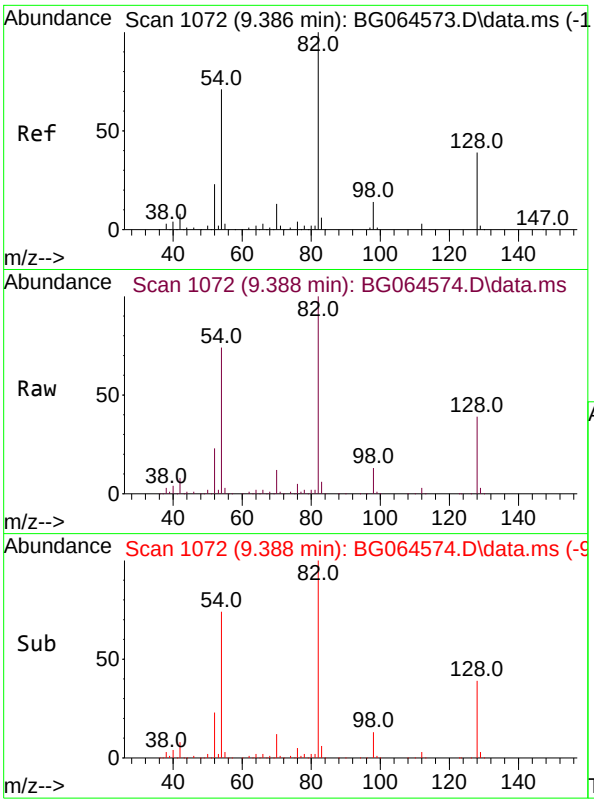


#22
Acetophenone
Concen: 64.759 ng
RT: 9.048 min Scan# 1014
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:105 Resp: 297413

Ion	Ratio	Lower	Upper
105	100		
71	2.6	1.5	2.3#
51	39.0	33.7	50.5
120	19.4	16.1	24.1

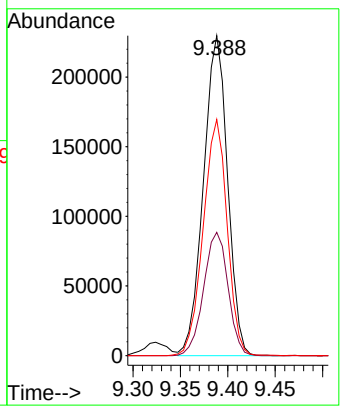




#23
Nitrobenzene-d5
Concen: 145.243 ng
RT: 9.388 min Scan# 10
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 40626

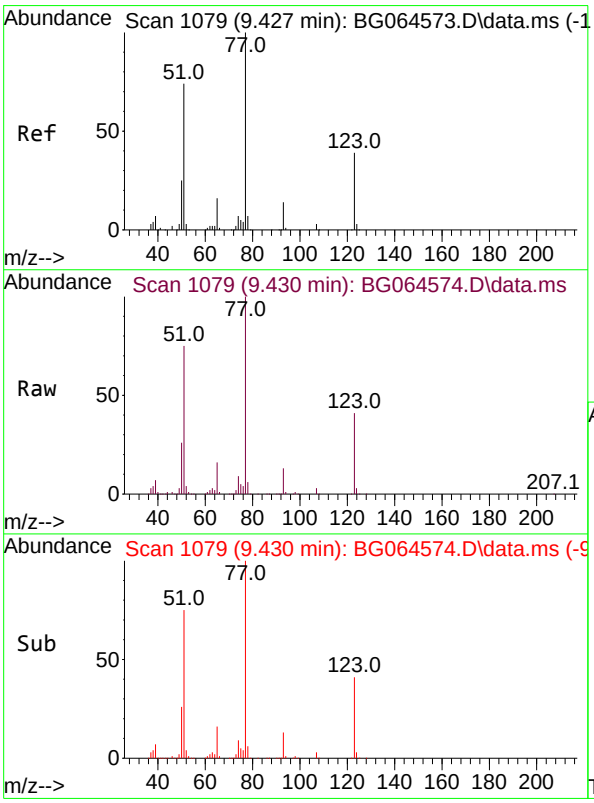
Ion	Ratio	Lower	Upper
82	100		
128	38.5	31.3	46.9
54	73.8	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

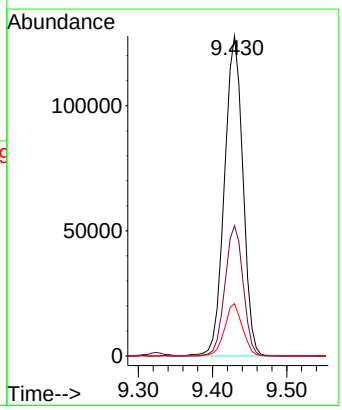
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

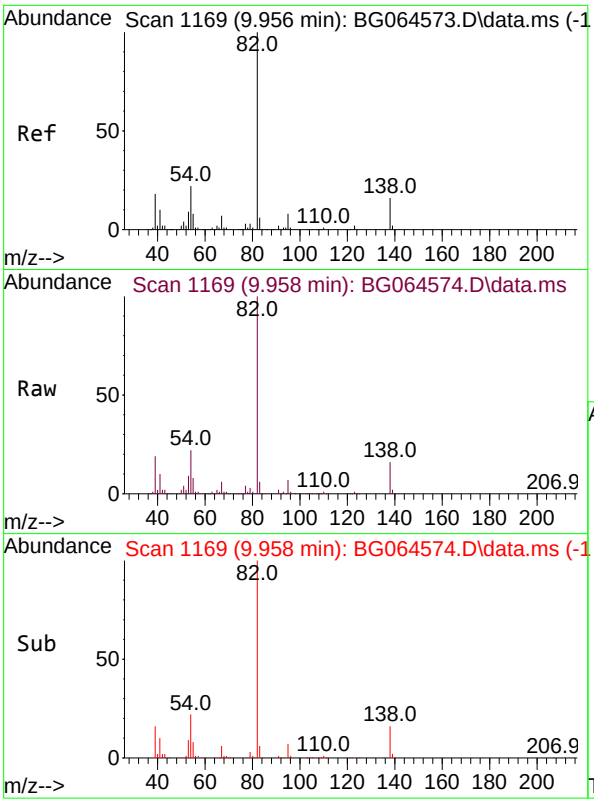


#24
Nitrobenzene
Concen: 72.567 ng
RT: 9.430 min Scan# 1079
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 220774

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.3	12.7	19.1

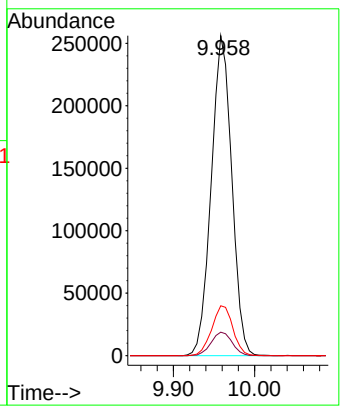




#25
Isophorone
Concen: 66.940 ng
RT: 9.958 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 82 Resp: 449298

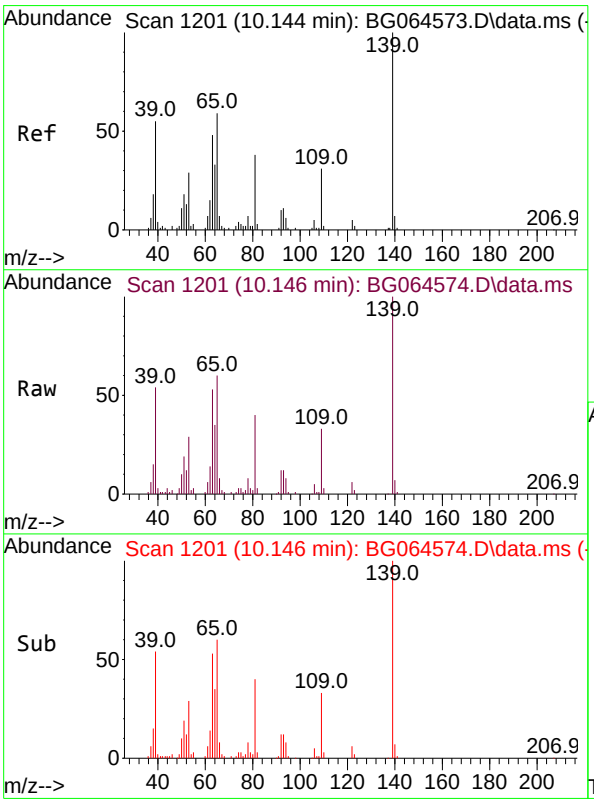
Ion	Ratio	Lower	Upper
82	100		
95	7.3	6.1	9.1
138	15.6	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

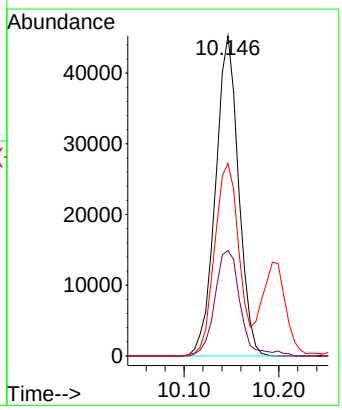
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

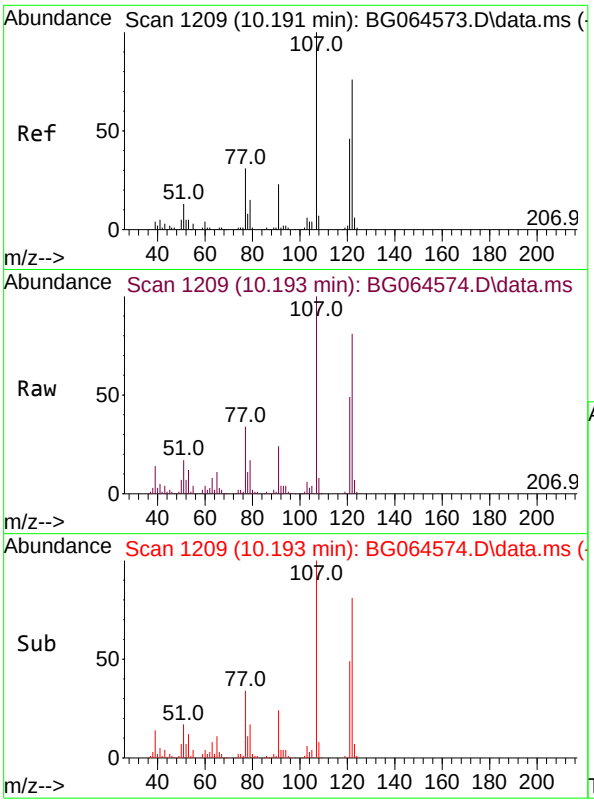


#26
2-Nitrophenol
Concen: 63.945 ng
RT: 10.146 min Scan# 1201
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 76368

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	60.1	47.5	71.3

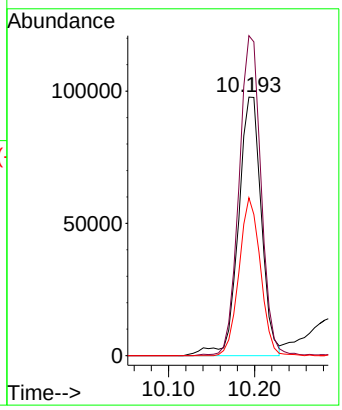




#27
2,4-Dimethylphenol
Concen: 71.099 ng m
RT: 10.193 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 18106

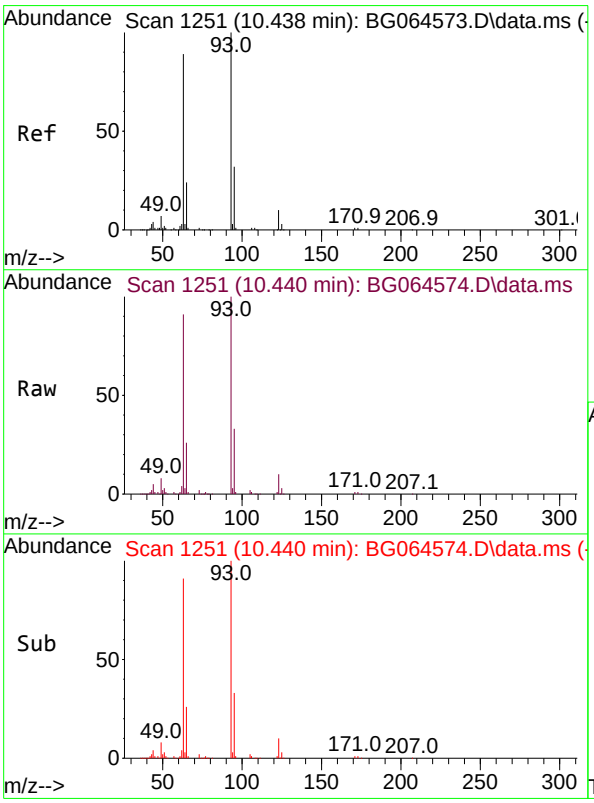
Ion	Ratio	Lower	Upper
122	100		
107	123.8	103.0	154.4
121	61.1	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

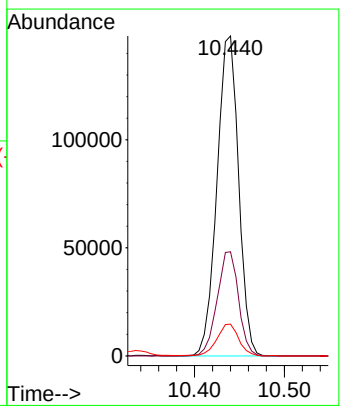
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

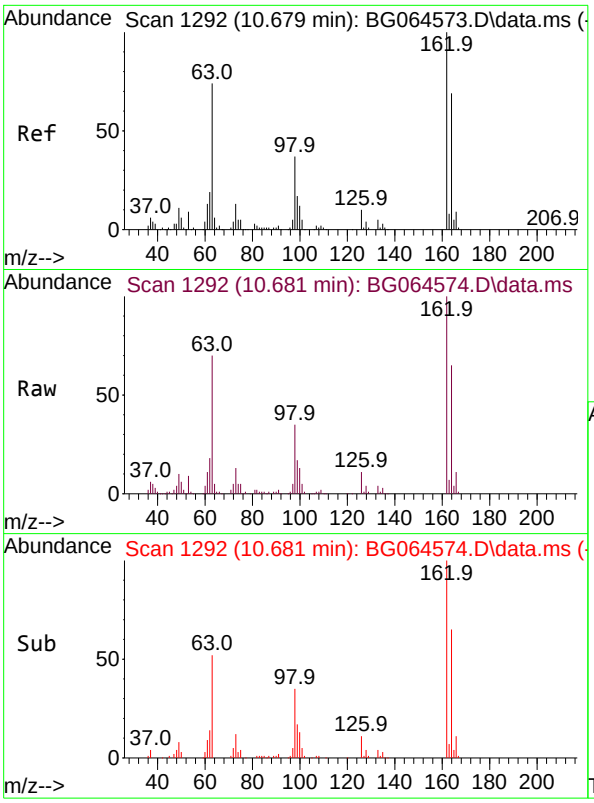


#28
bis(2-Chloroethoxy)methane
Concen: 65.078 ng
RT: 10.440 min Scan# 1251
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 93 Resp: 248699

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.9	8.4	12.6

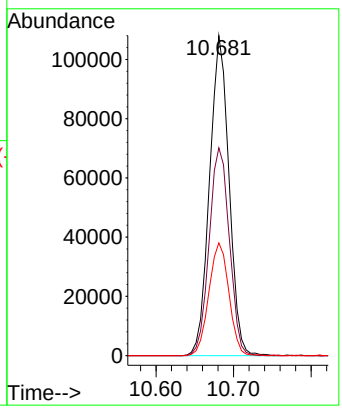




#29
2,4-Dichlorophenol
Concen: 70.056 ng
RT: 10.681 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 18823

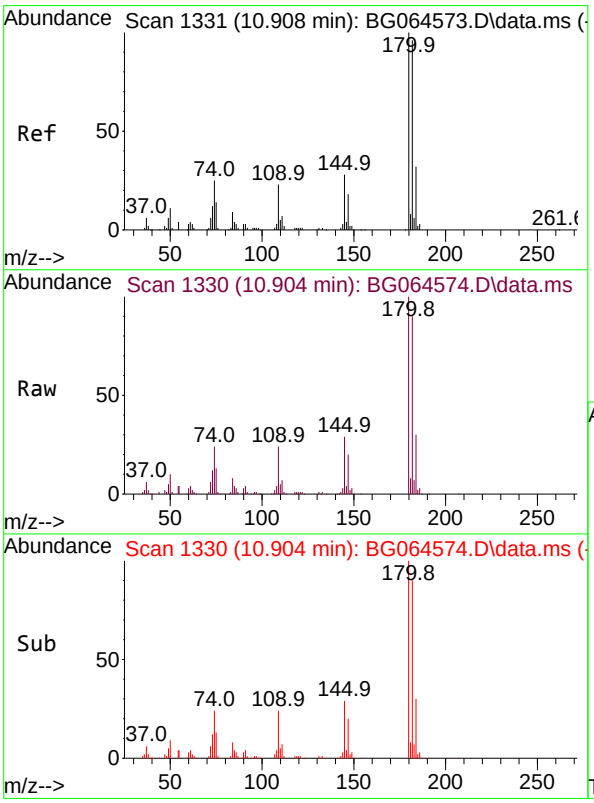
Ion	Ratio	Lower	Upper
162	100		
164	64.9	48.7	88.7
98	35.2	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

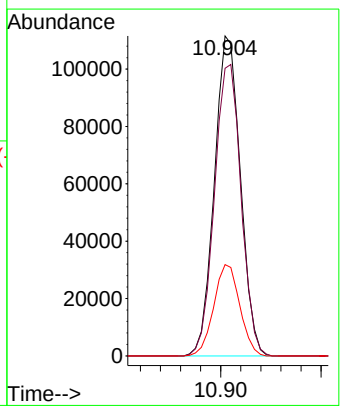
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

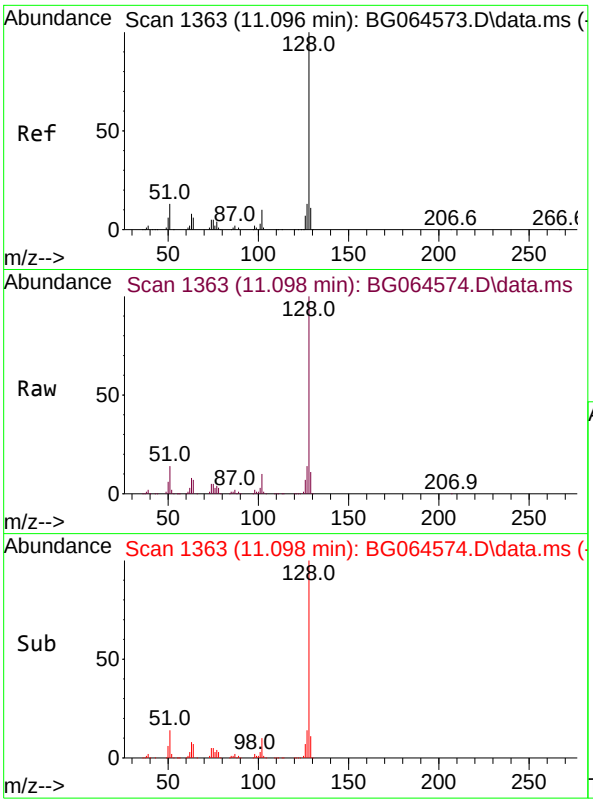


#30
1,2,4-Trichlorobenzene
Concen: 65.837 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:180 Resp: 200988

Ion	Ratio	Lower	Upper
180	100		
182	89.9	76.9	115.3
145	28.5	22.1	33.1

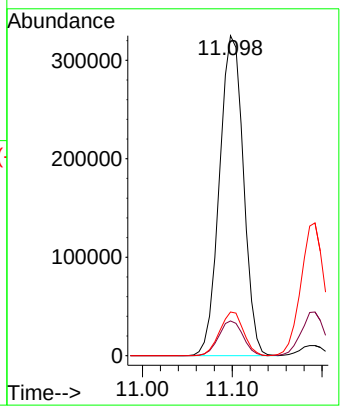




#31
Naphthalene
Concen: 64.976 ng
RT: 11.098 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:128 Resp: 60523

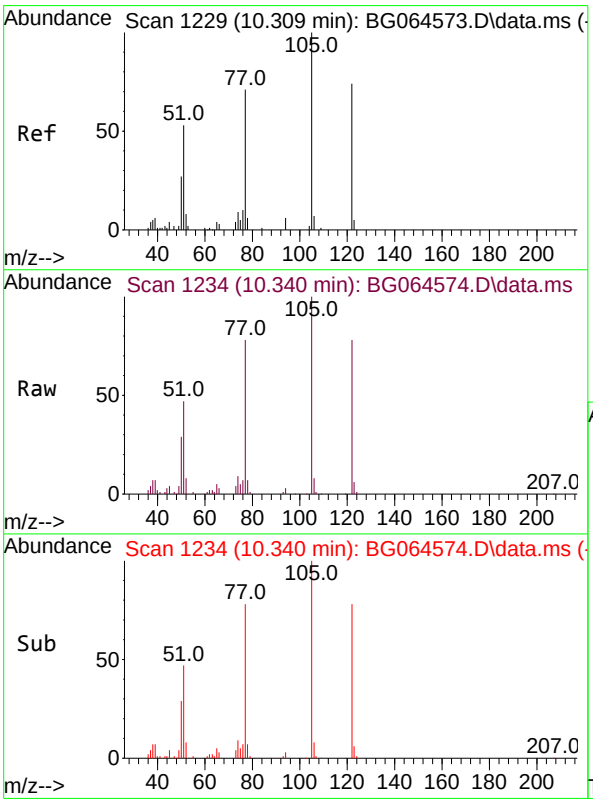
Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.6	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

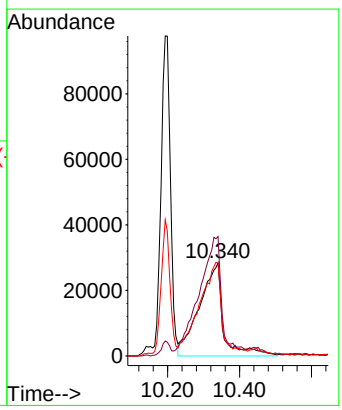
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

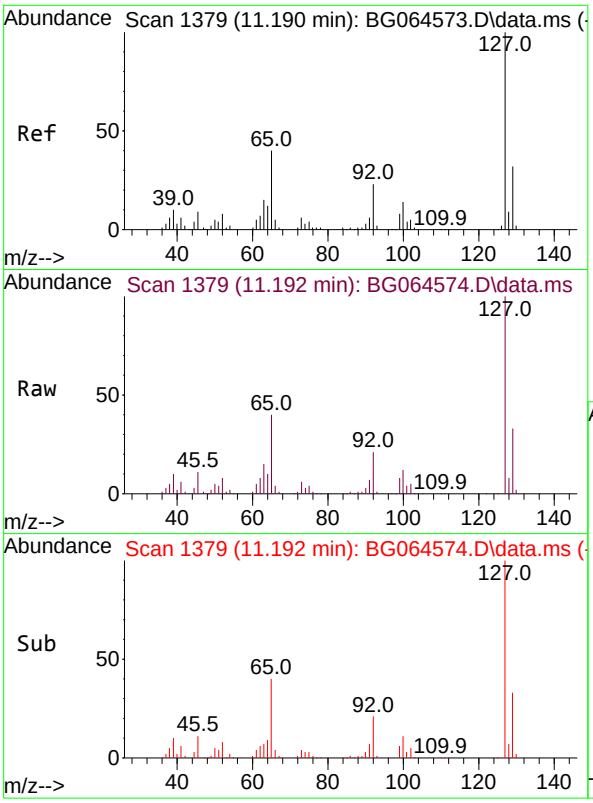


#32
Benzoic acid
Concen: 68.067 ng m
RT: 10.340 min Scan# 1234
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:122 Resp: 131162

Ion	Ratio	Lower	Upper
122	100		
105	128.3	104.2	144.2
77	99.8	70.2	110.2

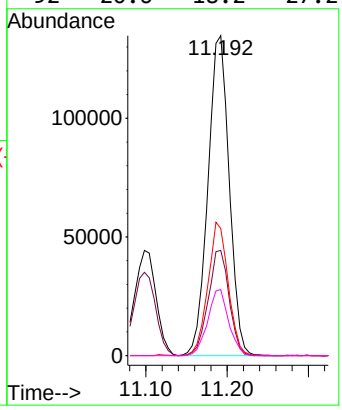




#33
4-Chloroaniline
Concen: 67.699 ng
RT: 11.192 min Scan# 1
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:127 Resp: 245101

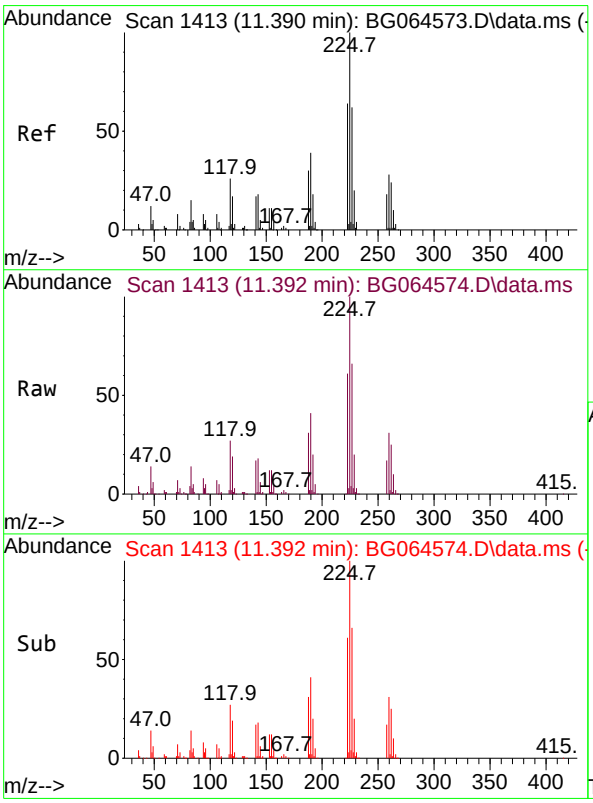
Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.5	38.3
65	39.7	32.2	48.4
92	20.6	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

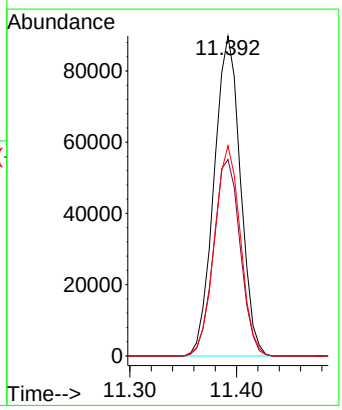
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

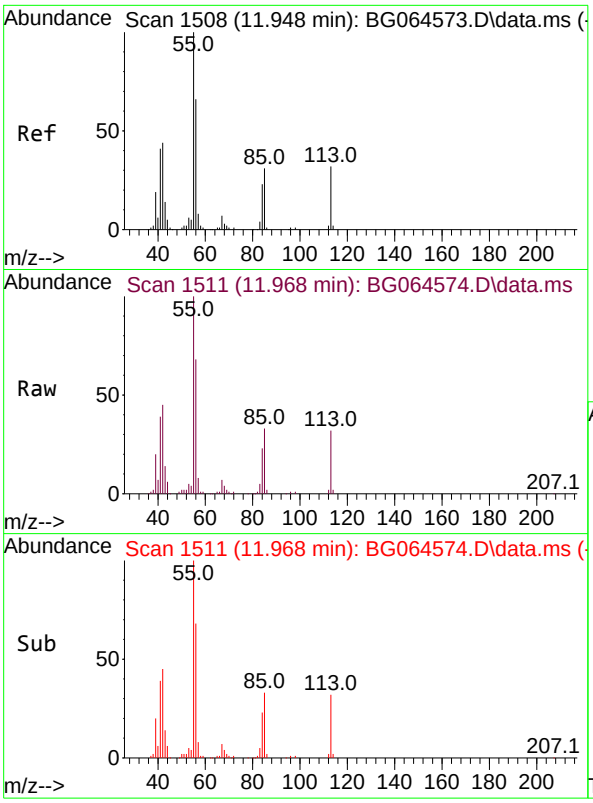


#34
Hexachlorobutadiene
Concen: 64.630 ng
RT: 11.392 min Scan# 1413
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:225 Resp: 154303

Ion	Ratio	Lower	Upper
225	100		
223	61.4	48.8	73.2
227	65.7	49.5	74.3

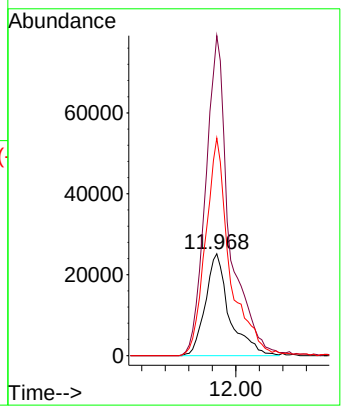




#35
Caprolactam
Concen: 69.206 ng
RT: 11.968 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:113 Resp: 7131

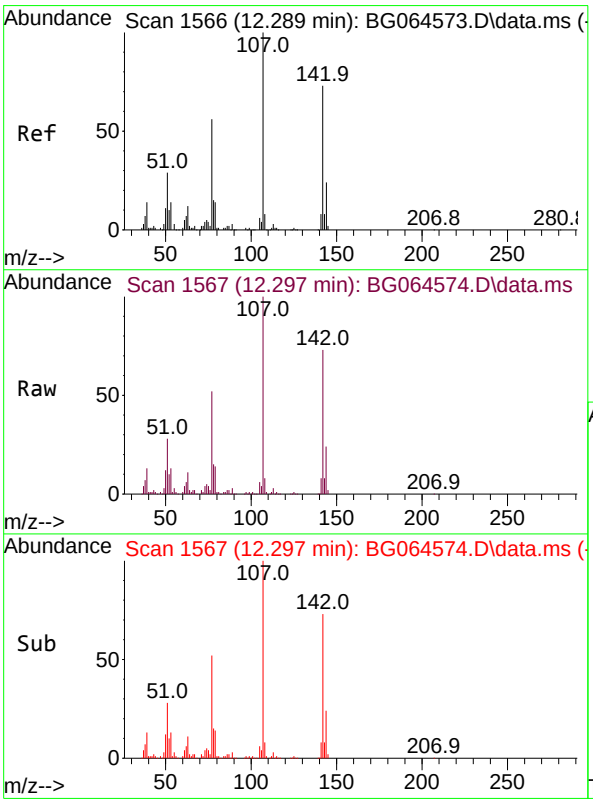
Ion	Ratio	Lower	Upper
113	100		
55	314.3	290.1	330.1
56	213.7	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

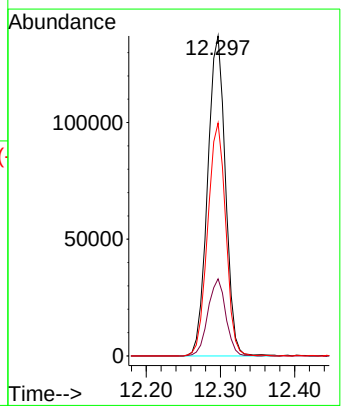
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

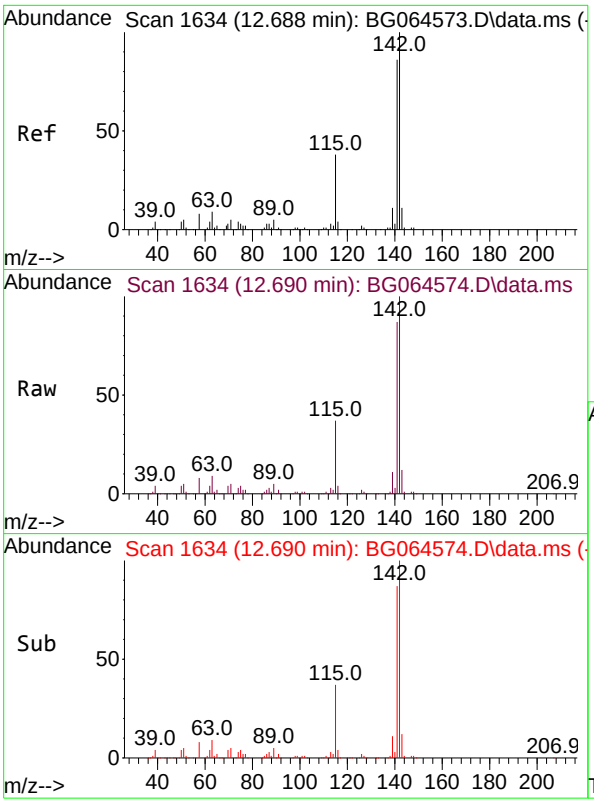


#36
4-Chloro-3-methylphenol
Concen: 70.853 ng
RT: 12.297 min Scan# 1567
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:107 Resp: 228833

Ion	Ratio	Lower	Upper
107	100		
144	24.1	19.1	28.7
142	72.8	58.6	87.8

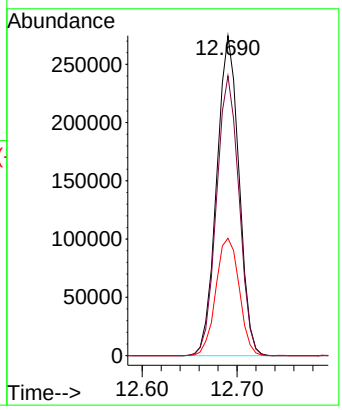




#37
2-Methylnaphthalene
Concen: 65.435 ng
RT: 12.690 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 44749

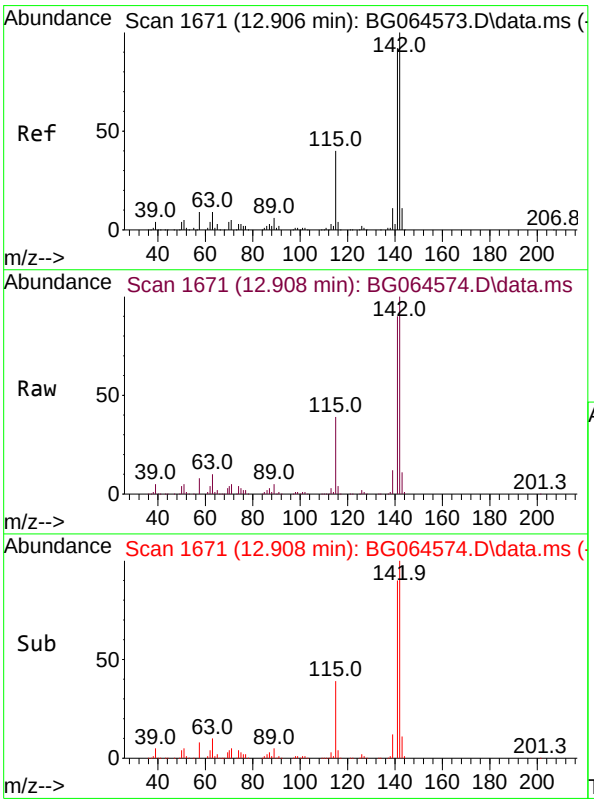
Ion	Ratio	Lower	Upper
142	100		
141	87.4	68.9	103.3
115	36.7	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

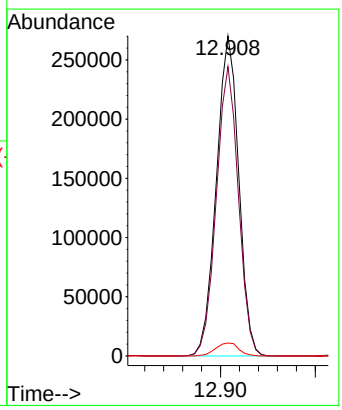
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

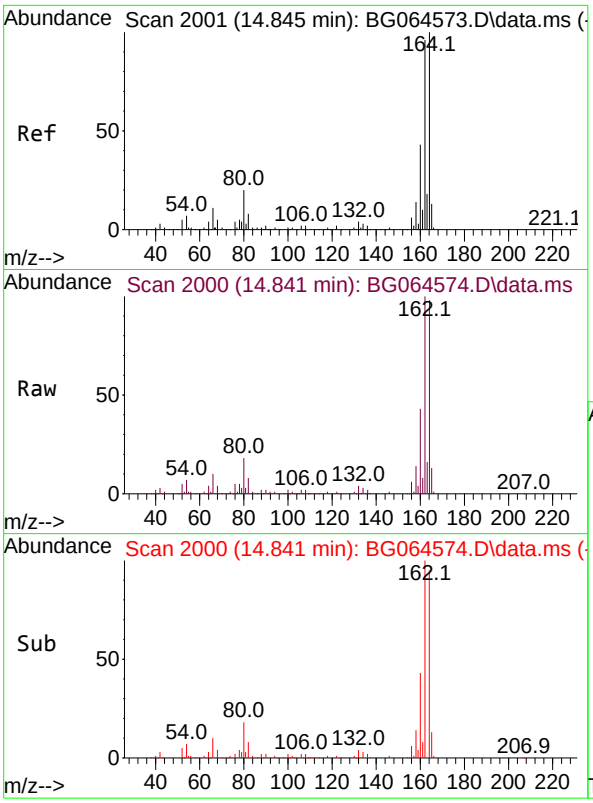


#38
1-Methylnaphthalene
Concen: 65.785 ng
RT: 12.908 min Scan# 1671
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:142 Resp: 442677

Ion	Ratio	Lower	Upper
142	100		
141	90.4	73.3	109.9
116	4.0	3.1	4.7

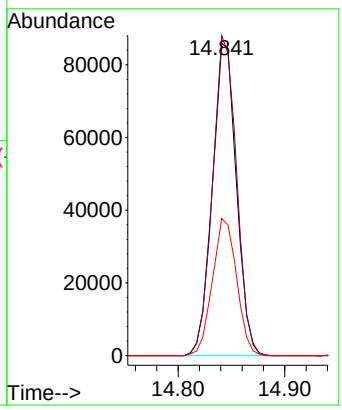




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:164 Resp: 13499

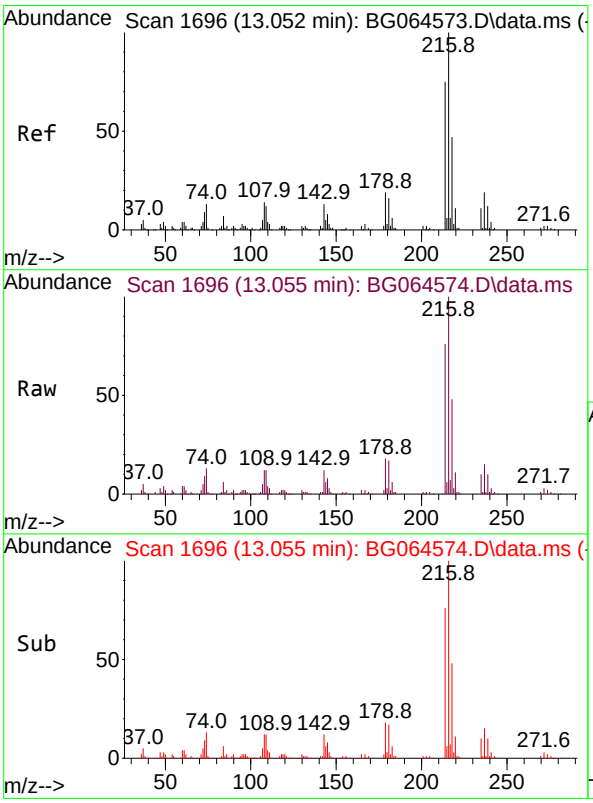
Ion	Ratio	Lower	Upper
164	100		
162	102.5	77.0	115.6
160	43.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

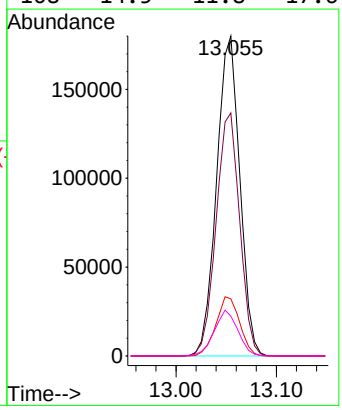
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

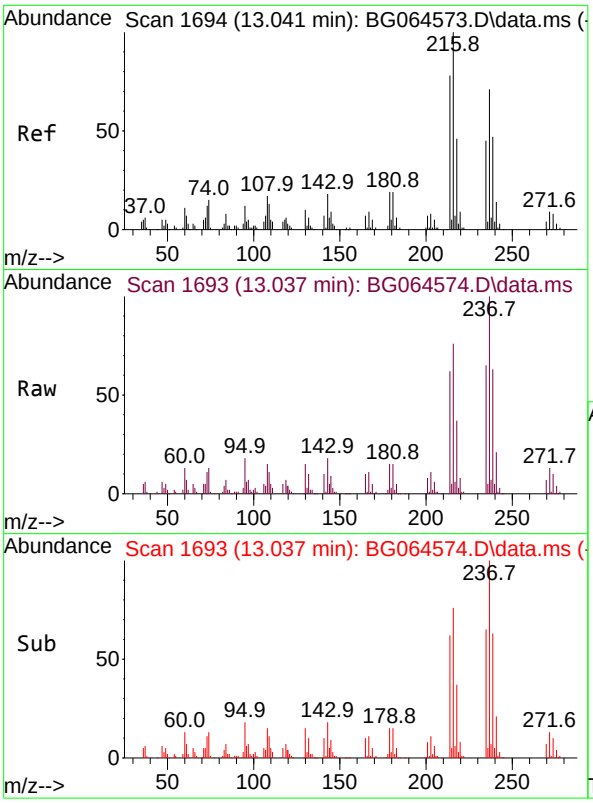


#40
1,2,4,5-Tetrachlorobenzene
Concen: 64.049 ng
RT: 13.055 min Scan# 1696
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:216 Resp: 290173

Ion	Ratio	Lower	Upper
216	100		
214	77.0	61.4	92.2
179	18.8	15.4	23.0
108	14.5	11.8	17.6

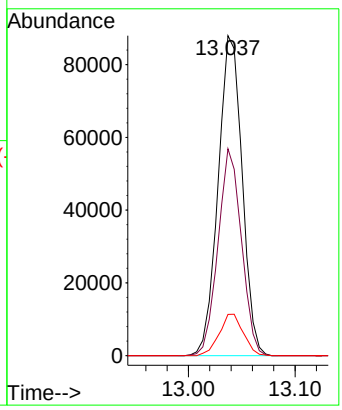




#41
Hexachlorocyclopentadiene
Concen: 67.540 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:237 Resp: 13772

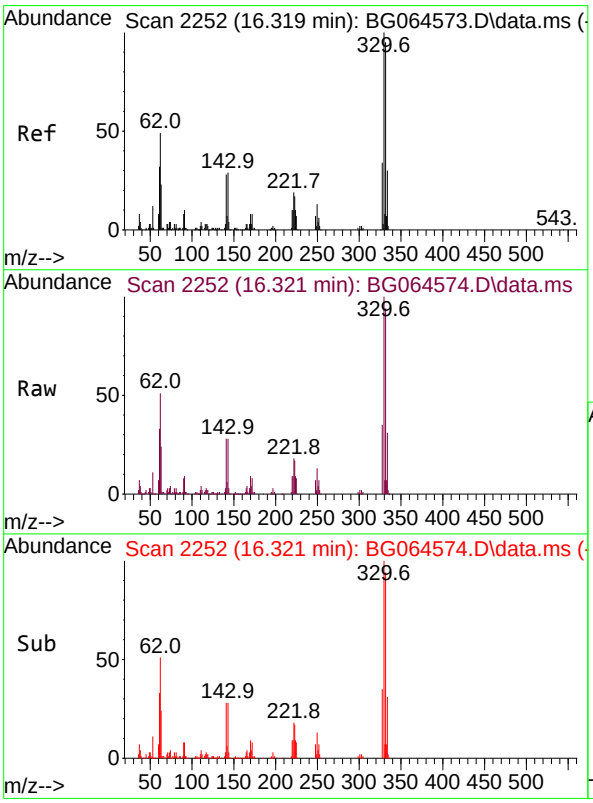
Ion	Ratio	Lower	Upper
237	100		
235	64.6	44.1	84.1
272	12.9	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

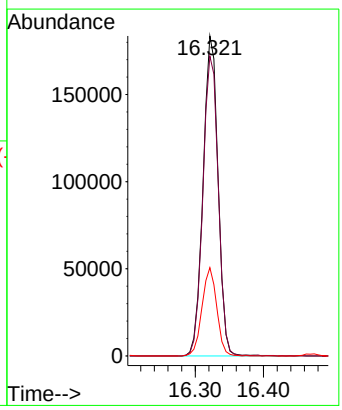
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

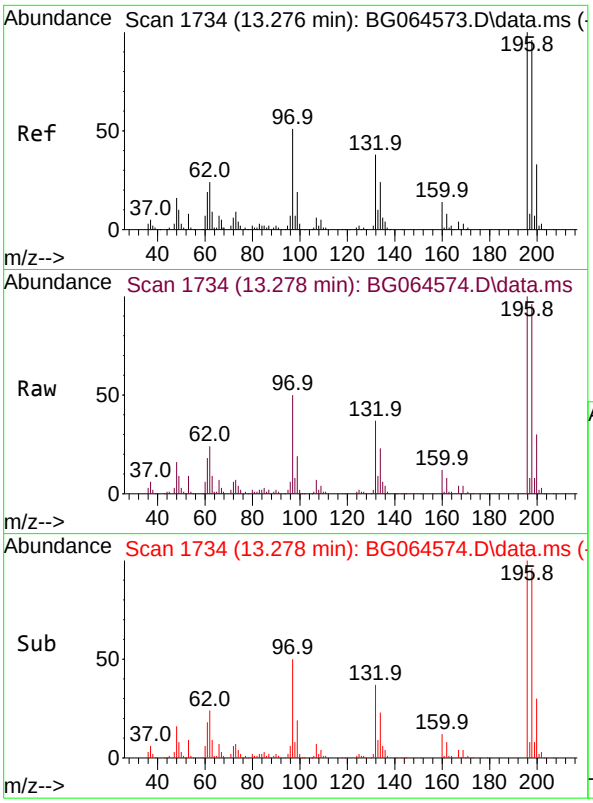


#42
2,4,6-Tribromophenol
Concen: 143.807 ng
RT: 16.321 min Scan# 2252
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:330 Resp: 280190

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	27.0	21.8	32.6

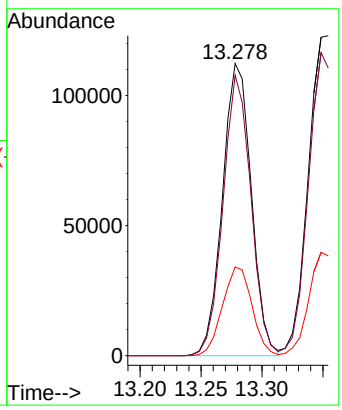




#43
2,4,6-Trichlorophenol
Concen: 71.299 ng
RT: 13.278 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 18477

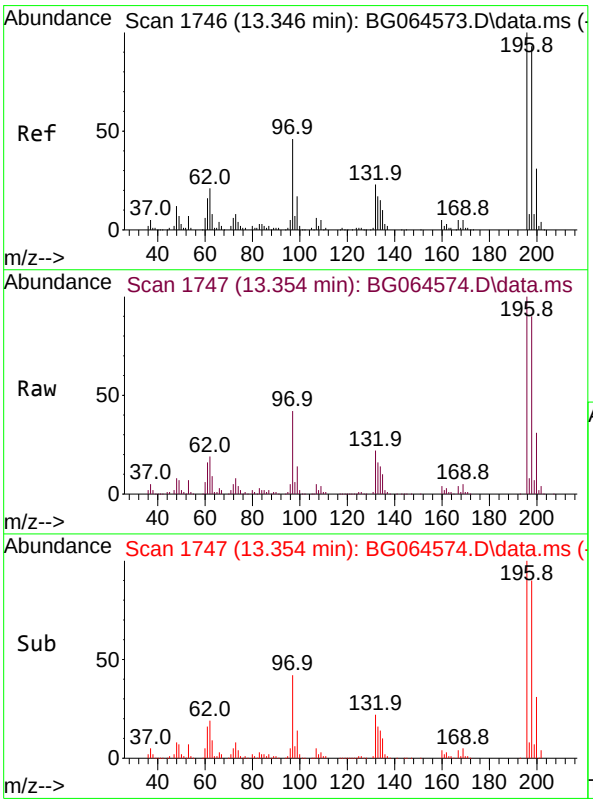
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.6	115.0
200	30.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

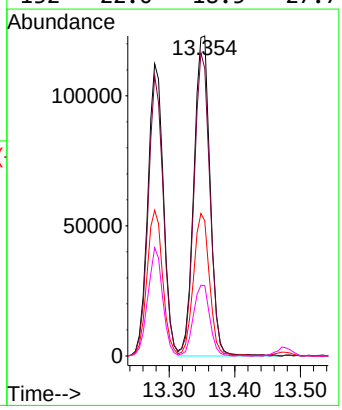
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

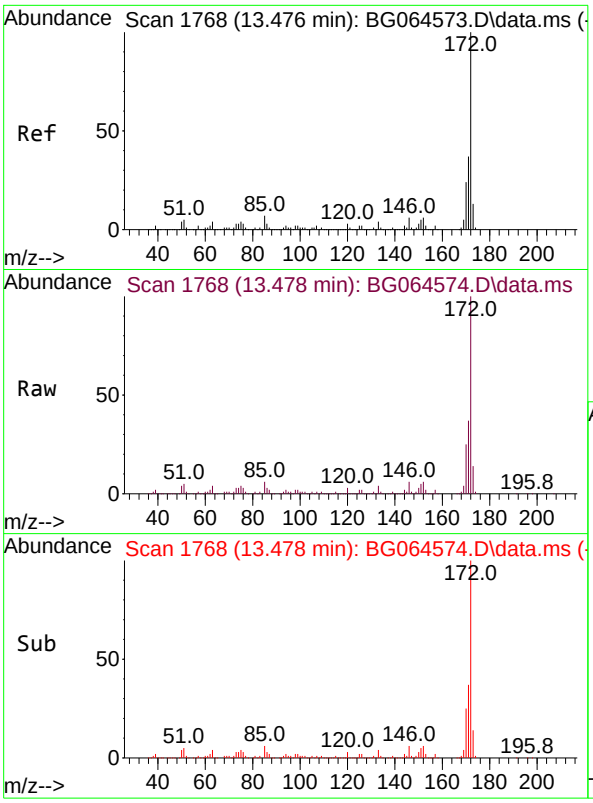


#44
2,4,5-Trichlorophenol
Concen: 69.994 ng
RT: 13.354 min Scan# 1747
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:196 Resp: 209320

Ion	Ratio	Lower	Upper
196	100		
198	89.8	74.2	111.4
97	42.2	37.0	55.6
132	22.0	18.5	27.7

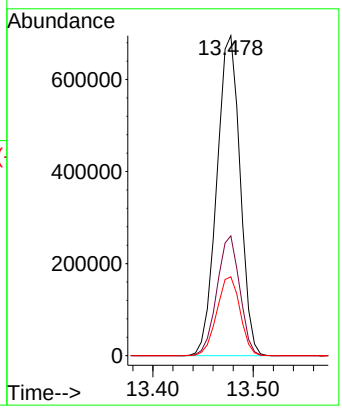




#45
2-Fluorobiphenyl
Concen: 125.867 ng
RT: 13.478 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:172 Resp: 1120989

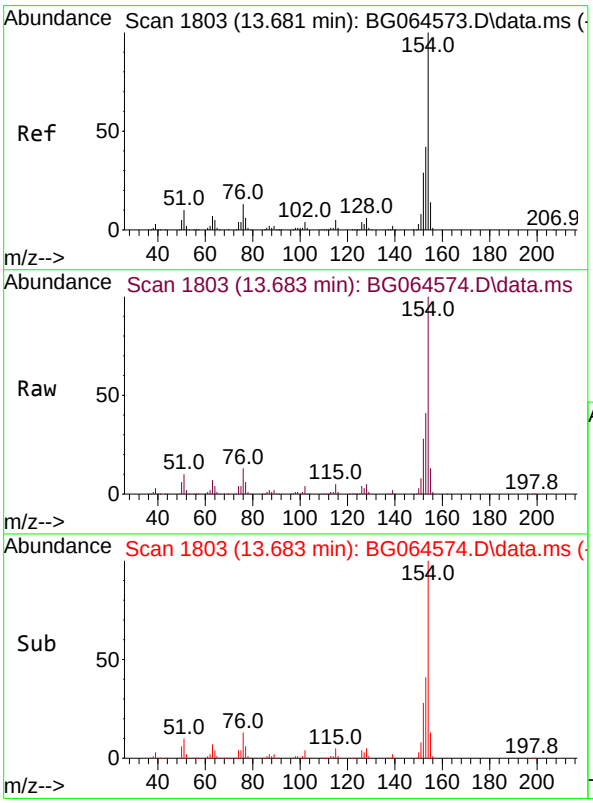
Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.4	44.0
170	24.6	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

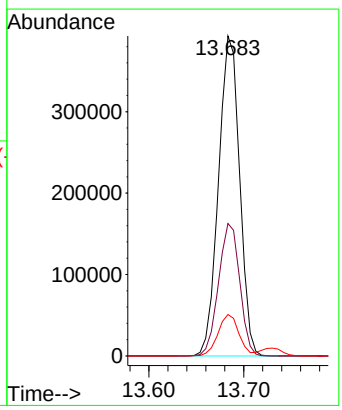
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

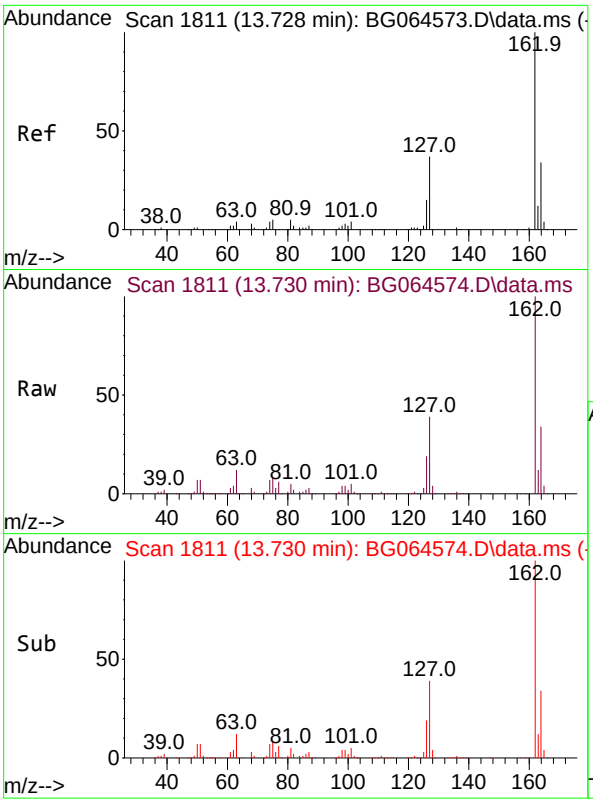


#46
1,1'-Biphenyl
Concen: 63.233 ng
RT: 13.683 min Scan# 1803
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 606860

Ion	Ratio	Lower	Upper
154	100		
153	41.4	22.4	62.4
76	12.9	0.0	33.5

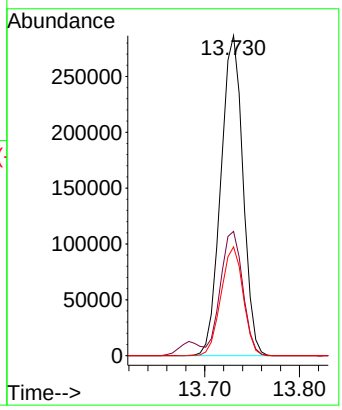




#47
2-Chloronaphthalene
Concen: 64.022 ng
RT: 13.730 min Scan# 18
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:162 Resp: 463791

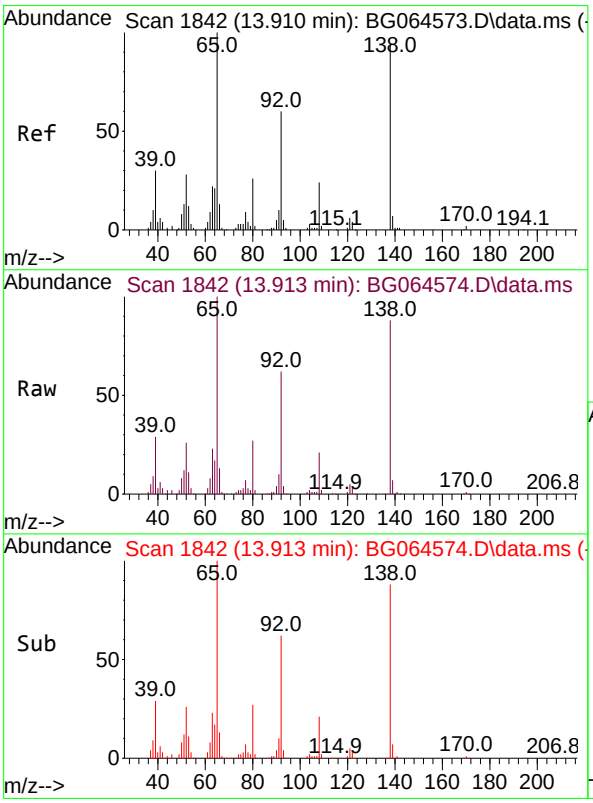
Ion	Ratio	Lower	Upper
162	100		
127	38.8	32.2	48.2
164	34.0	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

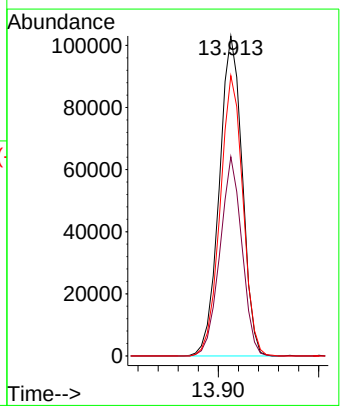
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

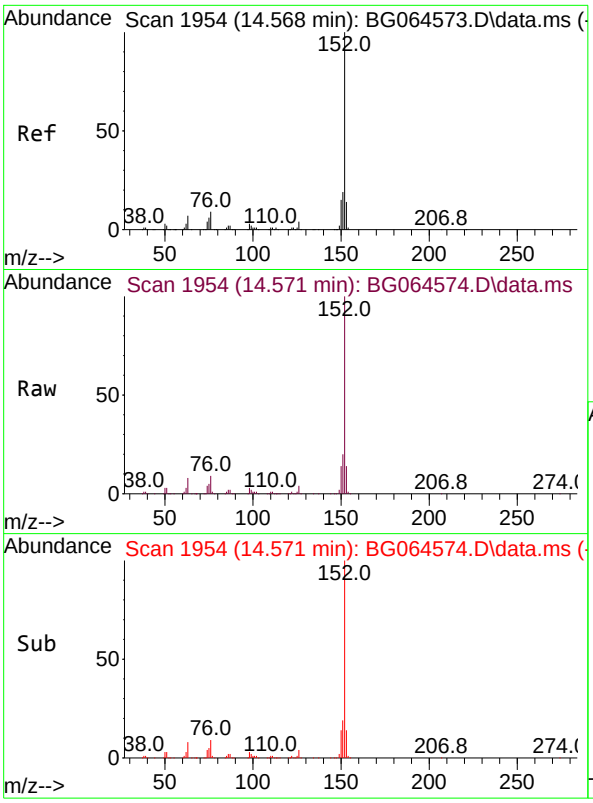


#48
2-Nitroaniline
Concen: 66.052 ng
RT: 13.913 min Scan# 1842
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 65 Resp: 163796

Ion	Ratio	Lower	Upper
65	100		
92	62.2	48.3	72.5
138	87.6	74.9	112.3

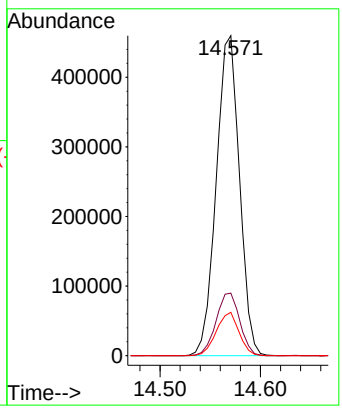




#49
Acenaphthylene
Concen: 64.738 ng
RT: 14.571 min Scan# 19
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:152 Resp: 73972

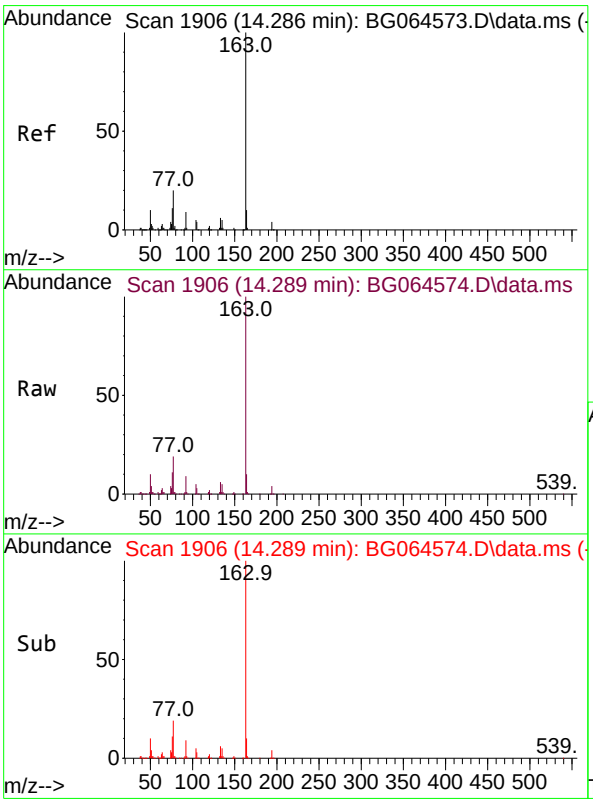
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.2
153	13.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

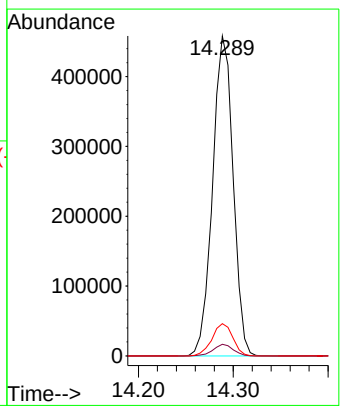
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

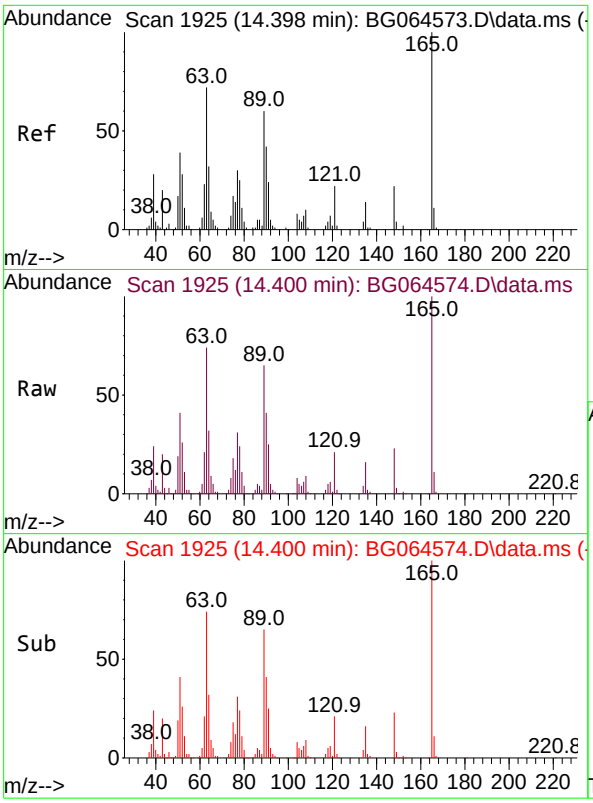


#50
Dimethylphthalate
Concen: 66.616 ng
RT: 14.289 min Scan# 1906
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:163 Resp: 688128

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	10.1	7.7	11.5

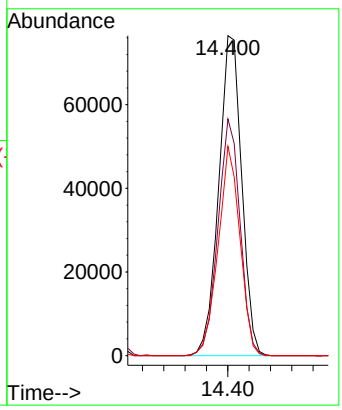




#51
2,6-Dinitrotoluene
Concen: 65.951 ng
RT: 14.400 min Scan# 19
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 114588

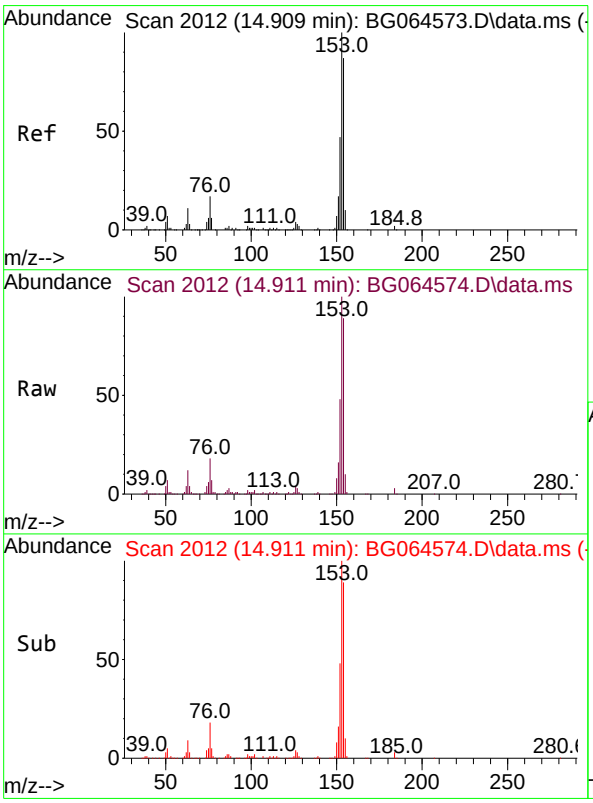
Ion	Ratio	Lower	Upper
165	100		
63	73.9	57.4	86.0
89	65.4	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

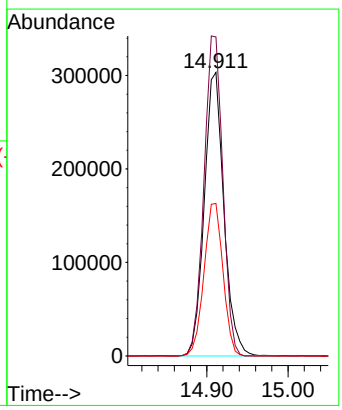
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

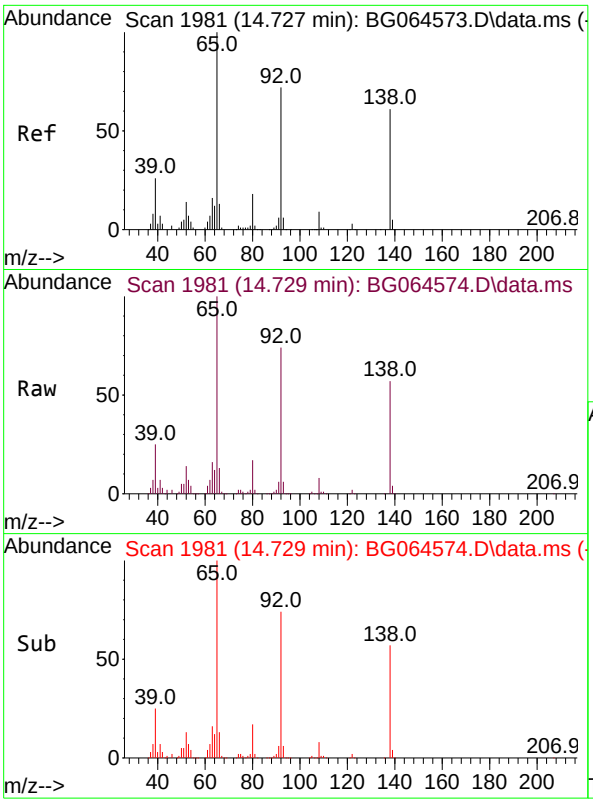


#52
Acenaphthene
Concen: 65.392 ng
RT: 14.911 min Scan# 2012
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:154 Resp: 510499

Ion	Ratio	Lower	Upper
154	100		
153	112.5	92.2	138.4
152	53.8	43.2	64.8

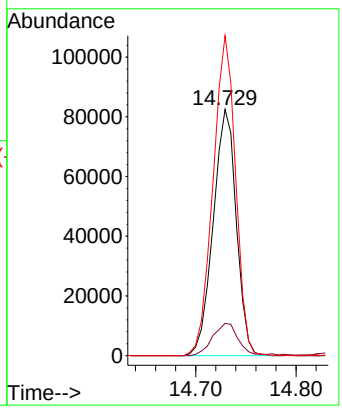




#53
3-Nitroaniline
Concen: 74.231 ng
RT: 14.729 min Scan# 19
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 13177

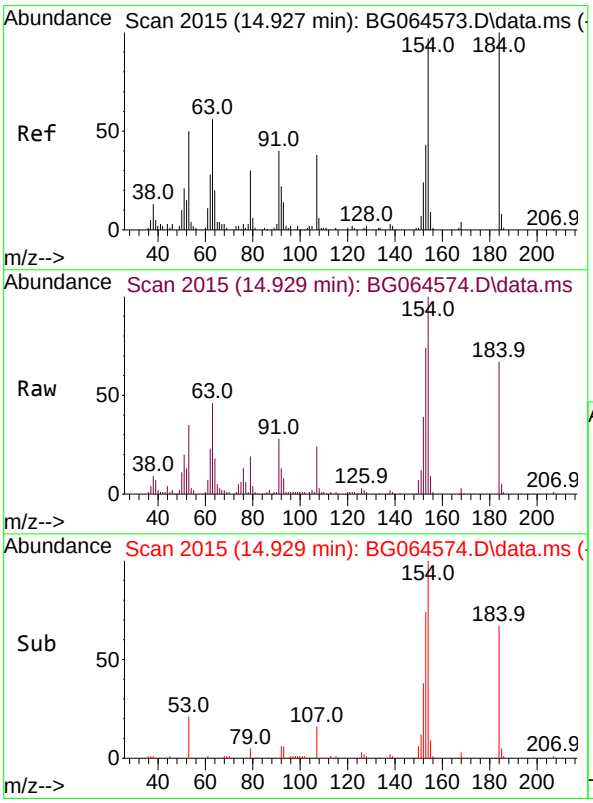
Ion	Ratio	Lower	Upper
138	100		
108	13.1	11.4	17.0
92	130.0	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

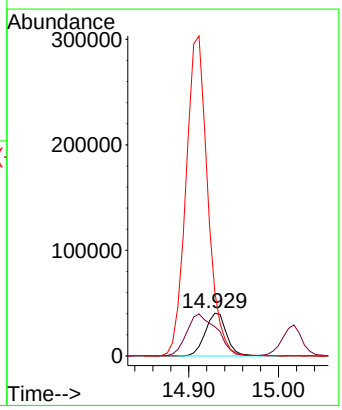
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

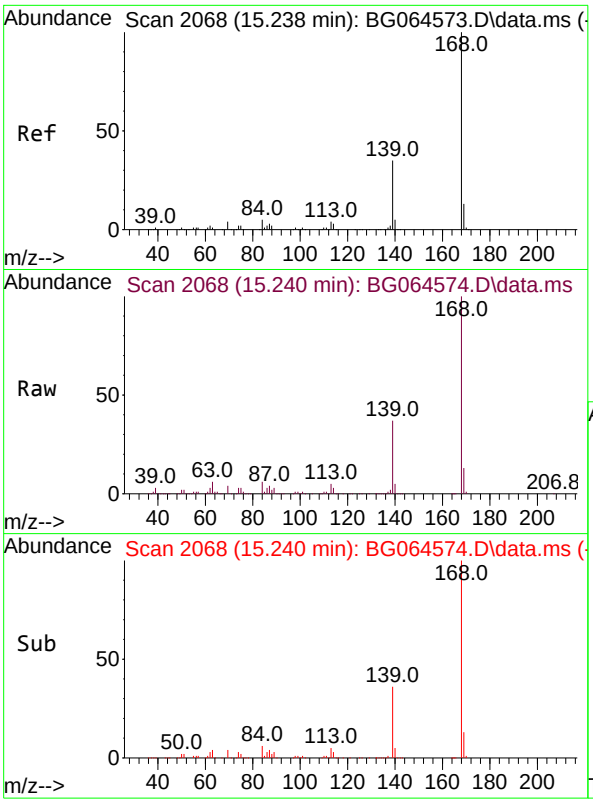


#54
2,4-Dinitrophenol
Concen: 65.082 ng
RT: 14.929 min Scan# 2015
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 66900

Ion	Ratio	Lower	Upper
184	100		
63	68.5	56.6	85.0
154	149.4	158.6	238.0#

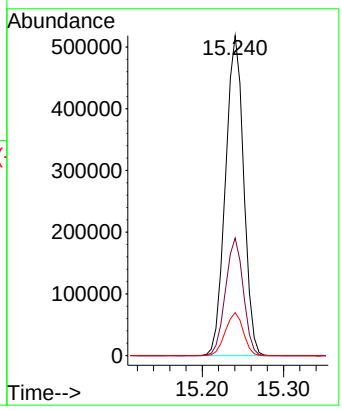




#55
Dibenzofuran
Concen: 63.779 ng
RT: 15.240 min Scan# 20
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:168 Resp: 80496

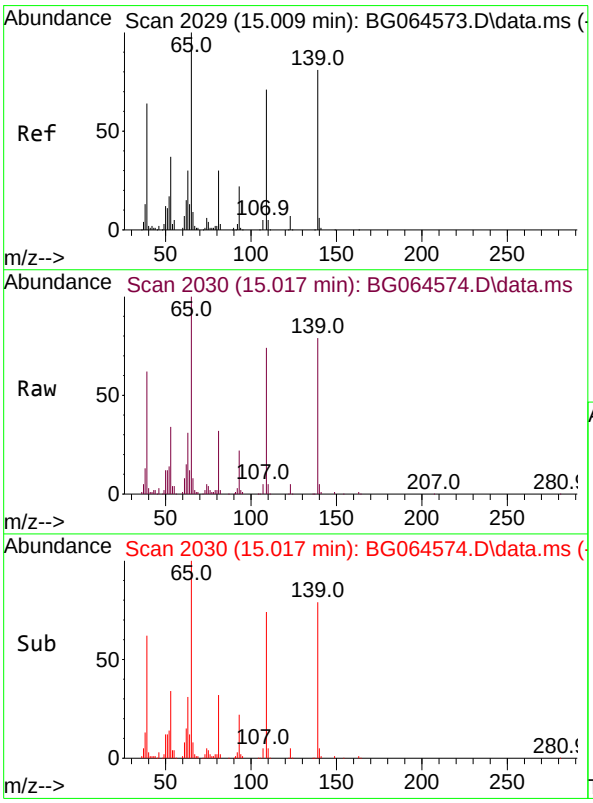
Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.4	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

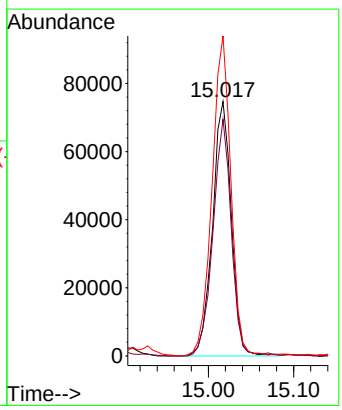
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

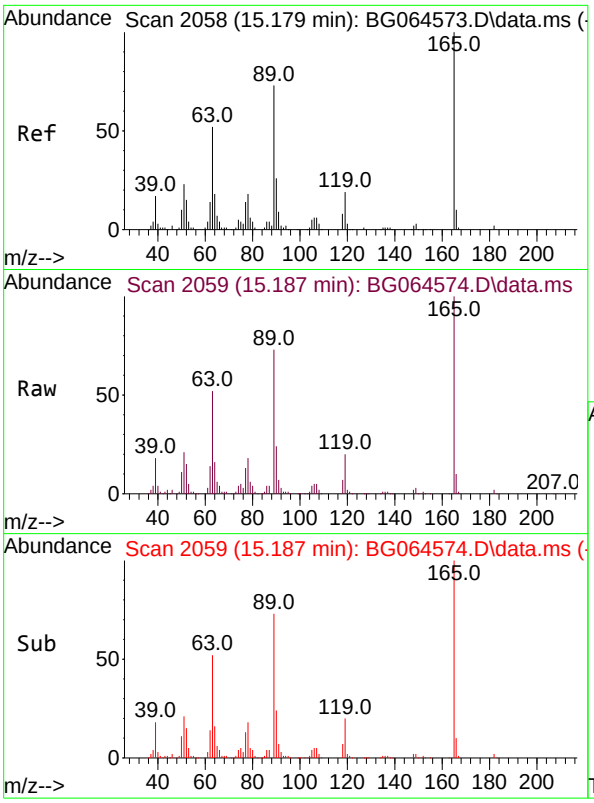


#56
4-Nitrophenol
Concen: 69.512 ng
RT: 15.017 min Scan# 2030
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:139 Resp: 114408

Ion	Ratio	Lower	Upper
139	100		
109	93.0	67.8	107.8
65	125.8	103.7	143.7

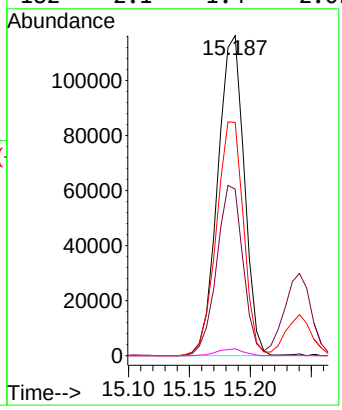




#57
2,4-Dinitrotoluene
Concen: 65.522 ng
RT: 15.187 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:165 Resp: 17580

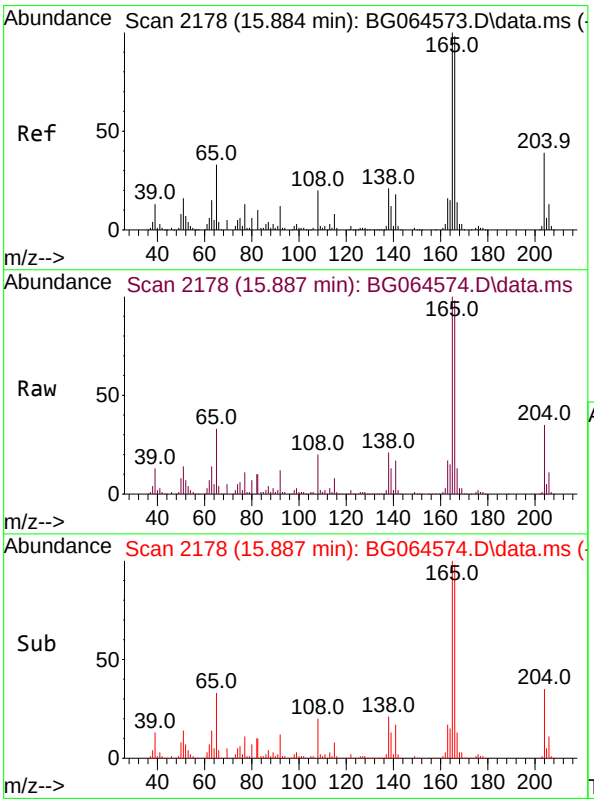
Ion	Ratio	Lower	Upper
165	100		
63	52.0	41.8	62.8
89	72.9	58.1	87.1
182	2.1	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

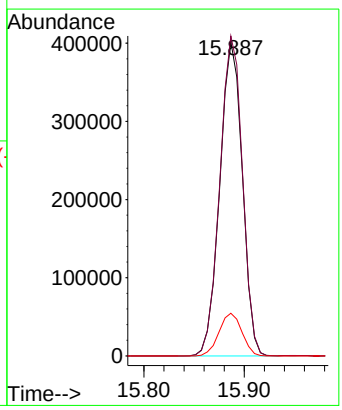
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

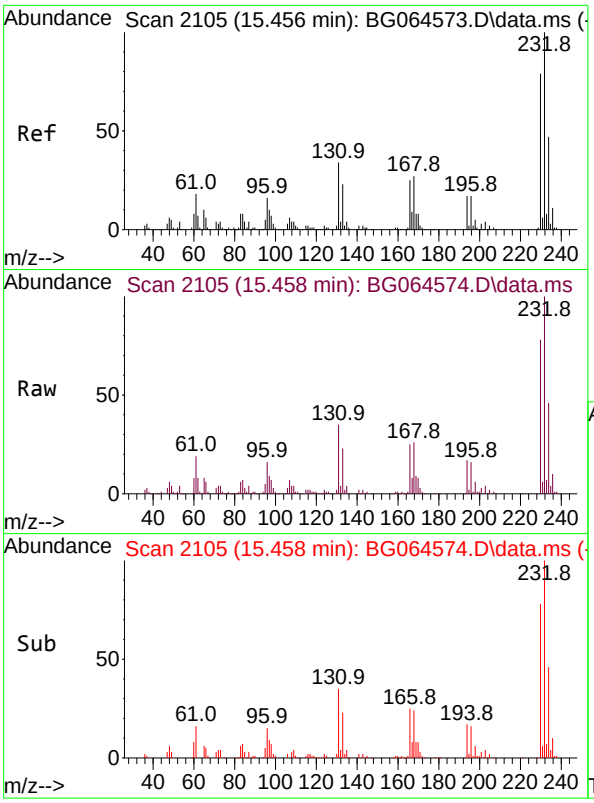


#58
Fluorene
Concen: 63.656 ng
RT: 15.887 min Scan# 2178
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:166 Resp: 627437

Ion	Ratio	Lower	Upper
166	100		
165	101.8	81.5	122.3
167	13.5	11.4	17.0

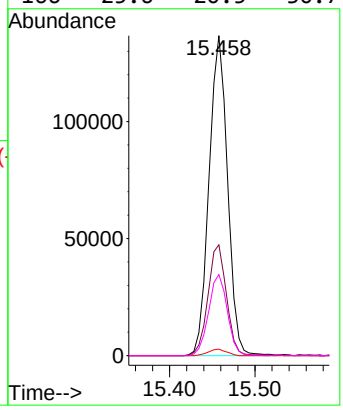




#59
2,3,4,6-Tetrachlorophenol
Concen: 71.870 ng
RT: 15.458 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:232 Resp: 20552

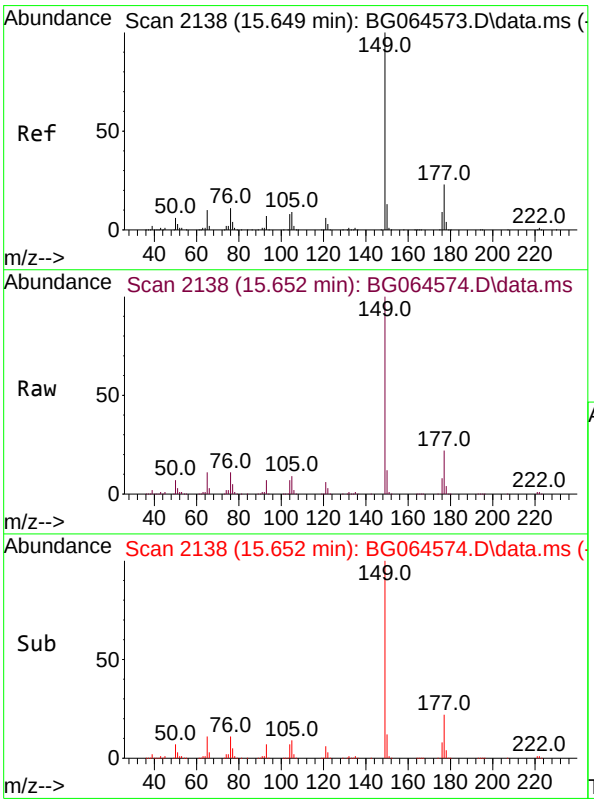
Ion	Ratio	Lower	Upper
232	100		
131	34.7	26.7	40.1
130	2.0	1.6	2.4
166	25.6	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

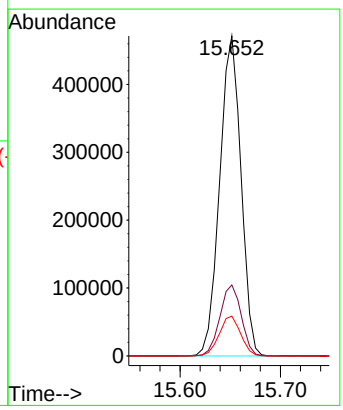
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

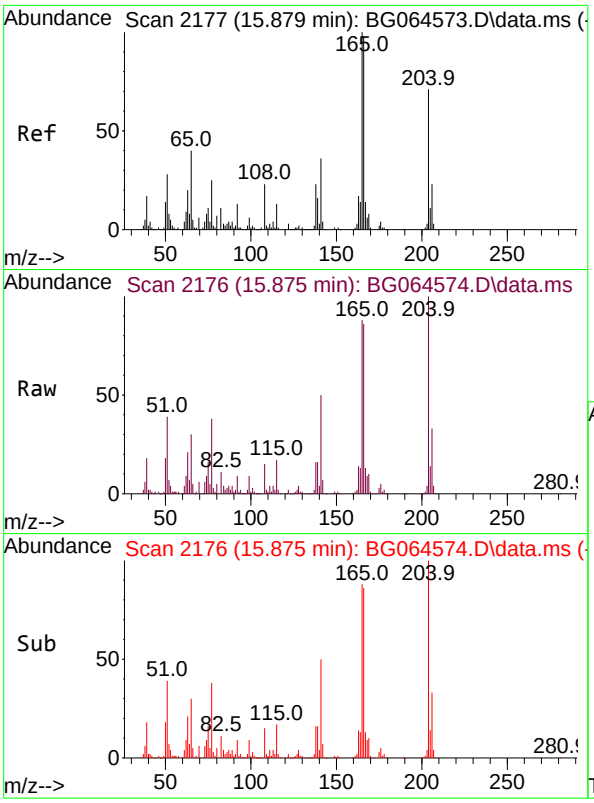


#60
Diethylphthalate
Concen: 65.982 ng
RT: 15.652 min Scan# 2138
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 695924

Ion	Ratio	Lower	Upper
149	100		
177	22.2	18.0	27.0
150	12.4	10.2	15.4





#61
4-Chlorophenyl-phenylether
Concen: 65.038 ng
RT: 15.875 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

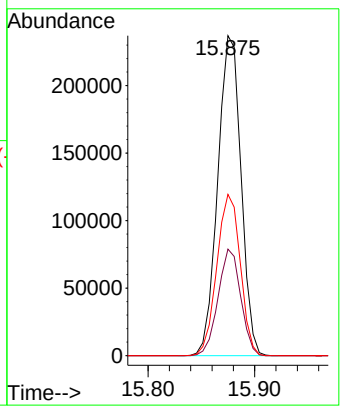
Tgt Ion:204 Resp: 359759

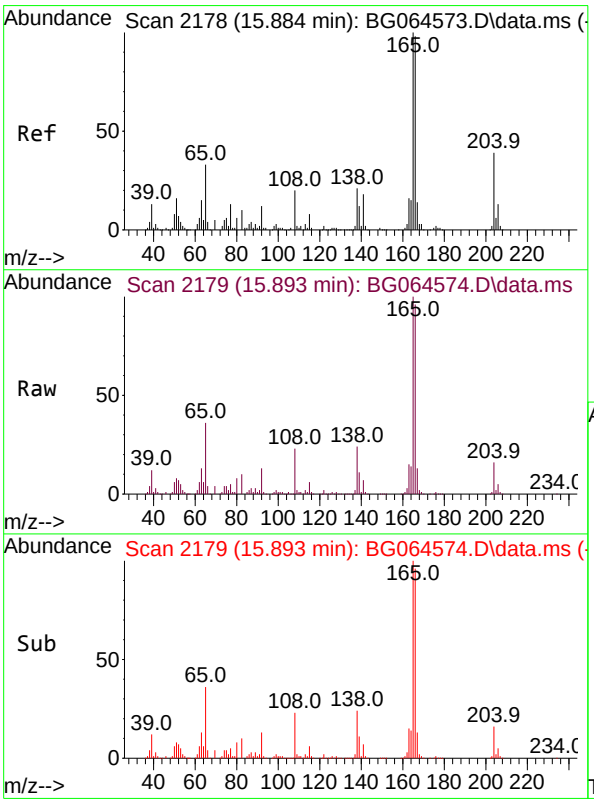
Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.6	38.4
141	50.4	40.6	60.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

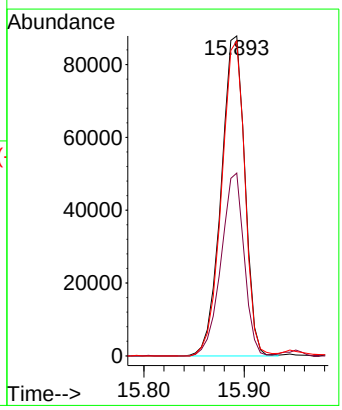


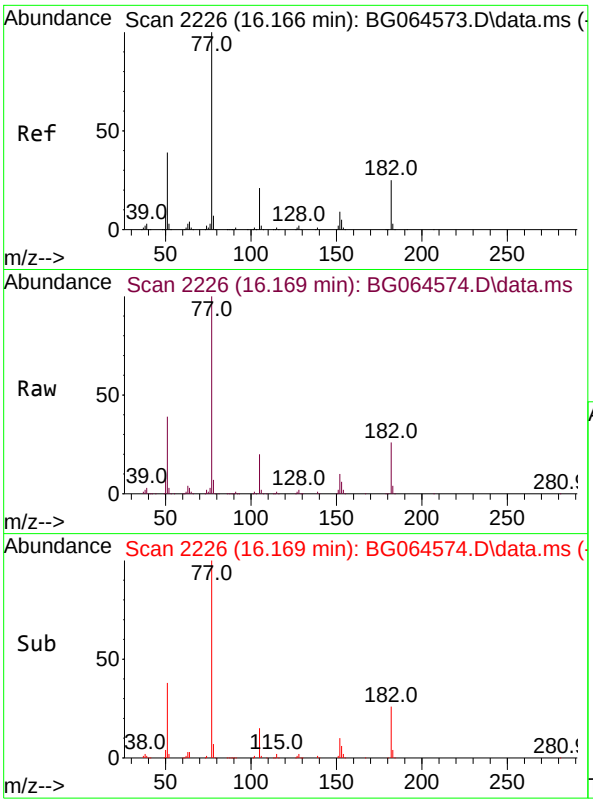


#62
4-Nitroaniline
Concen: 72.832 ng
RT: 15.893 min Scan# 2179
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:138 Resp: 143839

Ion	Ratio	Lower	Upper
138	100		
92	57.1	36.1	76.1
108	98.4	75.6	115.6

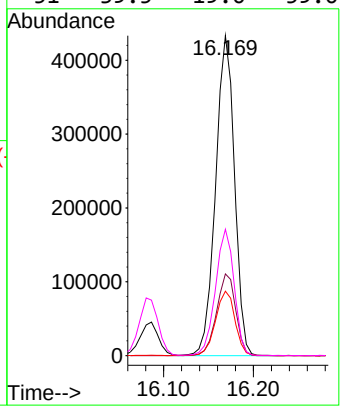




#63
Azobenzene
Concen: 65.464 ng
RT: 16.169 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion: 77 Resp: 63352

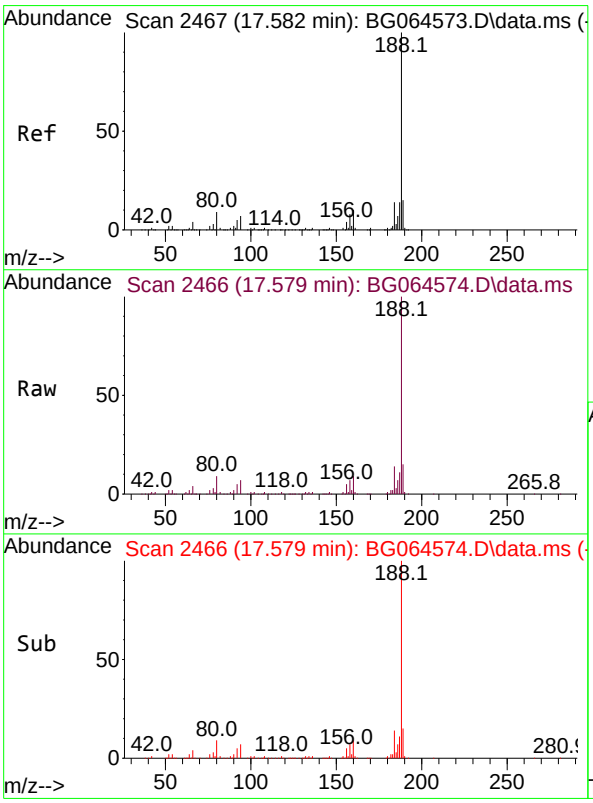
Ion	Ratio	Lower	Upper
77	100		
182	25.5	4.9	44.9
105	20.1	1.3	41.3
51	39.5	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

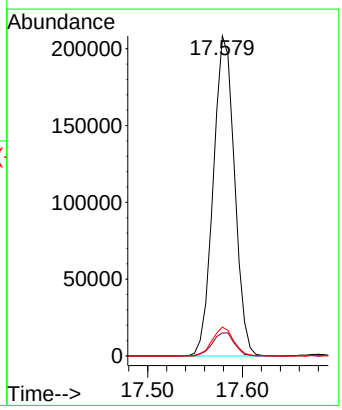
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

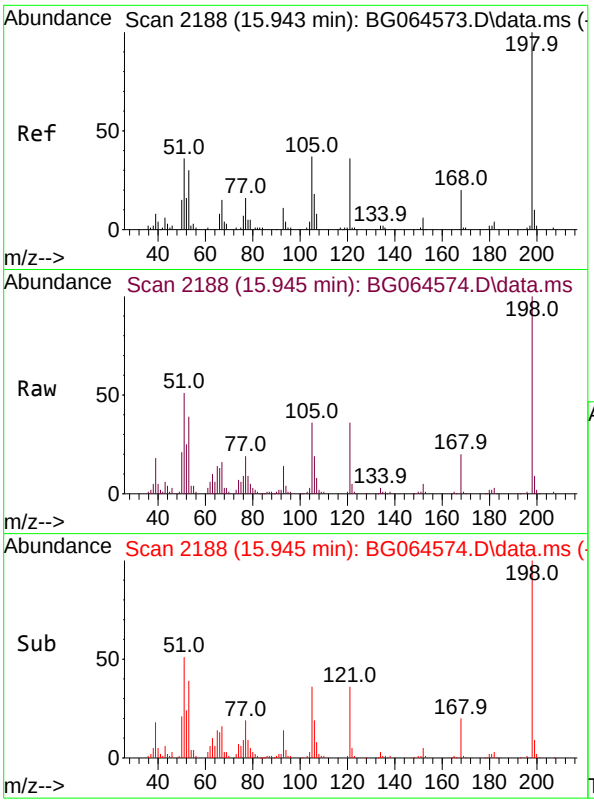


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.579 min Scan# 2466
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:188 Resp: 324385

Ion	Ratio	Lower	Upper
188	100		
94	7.2	5.7	8.5
80	9.0	6.8	10.2

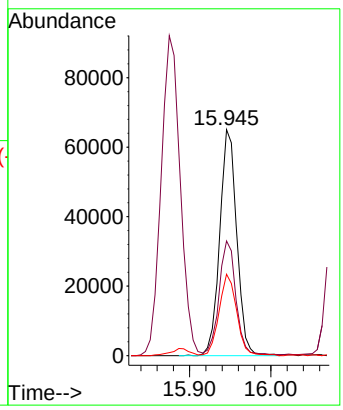




#65
4,6-Dinitro-2-methylphenol
Concen: 64.046 ng
RT: 15.945 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:198 Resp: 9433

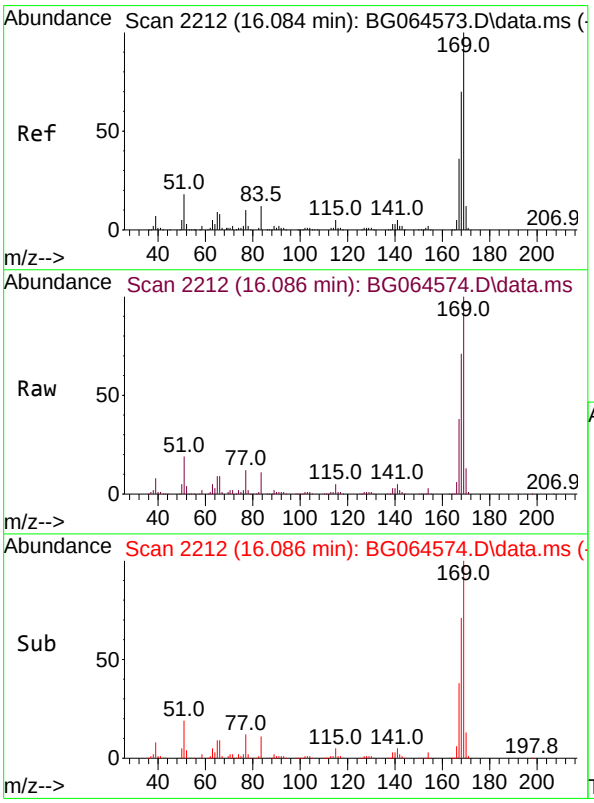
Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	36.0	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

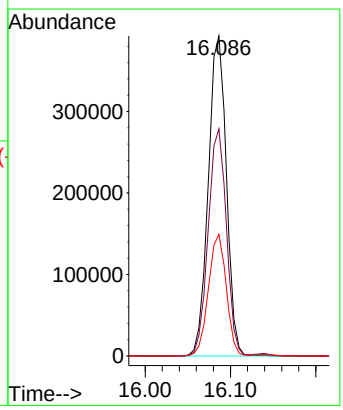
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

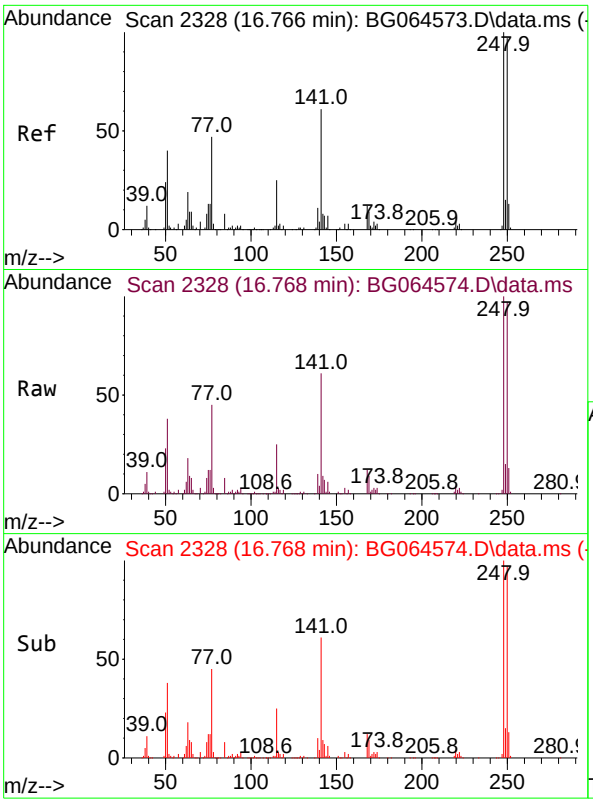


#66
n-Nitrosodiphenylamine
Concen: 65.944 ng
RT: 16.086 min Scan# 2212
Delta R.T. -0.002 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:169 Resp: 577835

Ion	Ratio	Lower	Upper
169	100		
168	70.9	56.3	84.5
167	38.0	29.0	43.6





#67
4-Bromophenyl-phenylether
Concen: 66.740 ng
RT: 16.768 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

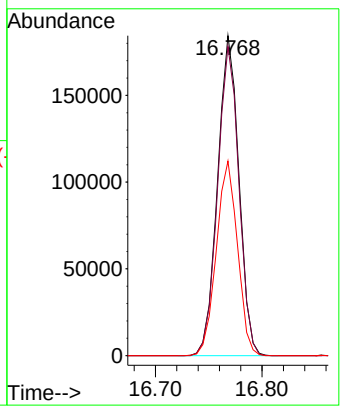
Tgt Ion:248 Resp: 25655

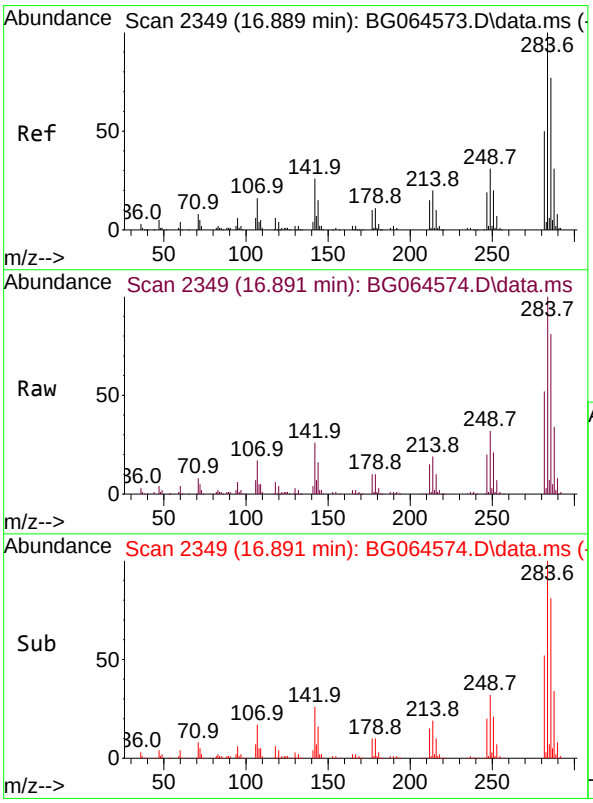
Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	60.8	48.6	72.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

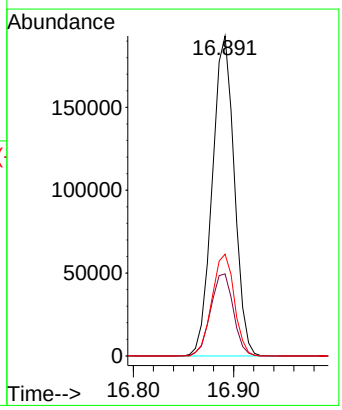


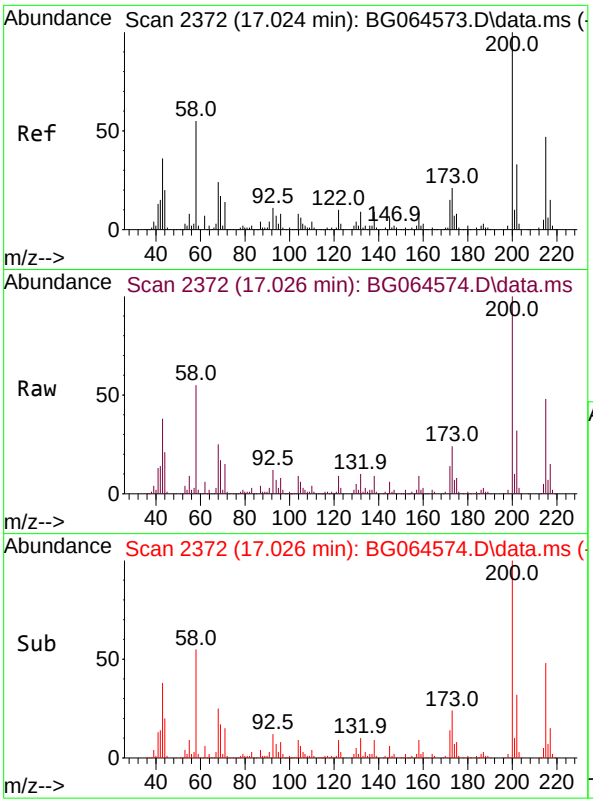


#68
Hexachlorobenzene
Concen: 67.001 ng
RT: 16.891 min Scan# 2349
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:284 Resp: 293831

Ion	Ratio	Lower	Upper
284	100		
142	25.6	21.0	31.6
249	34.5	24.9	37.3

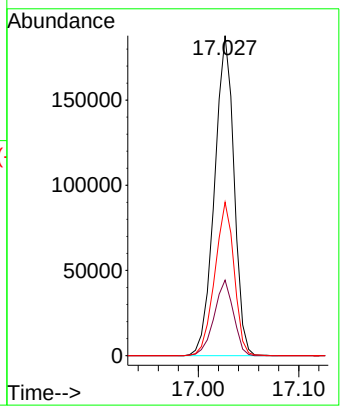




#69
Atrazine
Concen: 67.378 ng
RT: 17.026 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:200 Resp: 25407

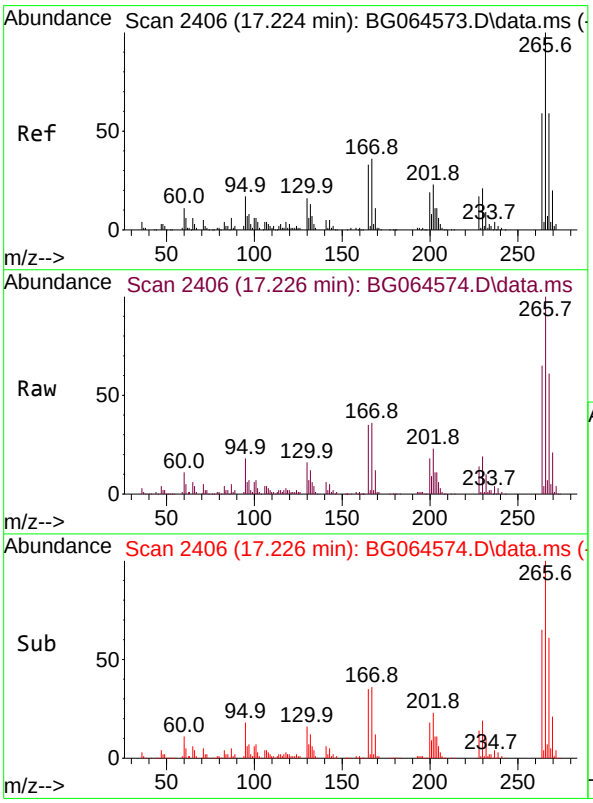
Ion	Ratio	Lower	Upper
200	100		
173	23.6	0.9	40.9
215	47.9	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

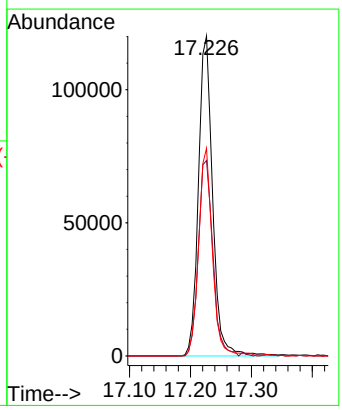
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

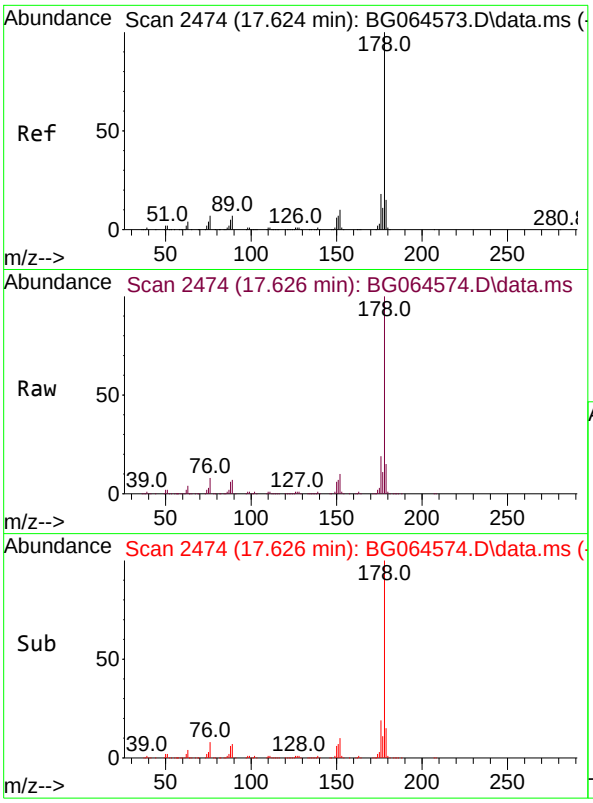


#70
Pentachlorophenol
Concen: 70.923 ng
RT: 17.226 min Scan# 2406
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:266 Resp: 193954

Ion	Ratio	Lower	Upper
266	100		
268	66.0	50.3	75.5
264	69.3	47.3	70.9

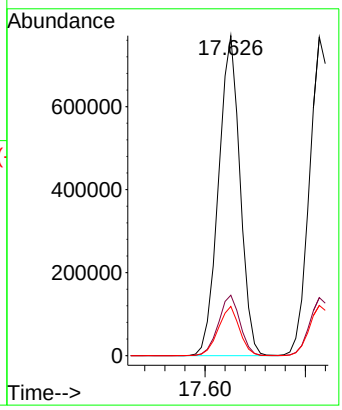




#71
Phenanthrene
Concen: 64.676 ng
RT: 17.626 min Scan# 24
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 114731

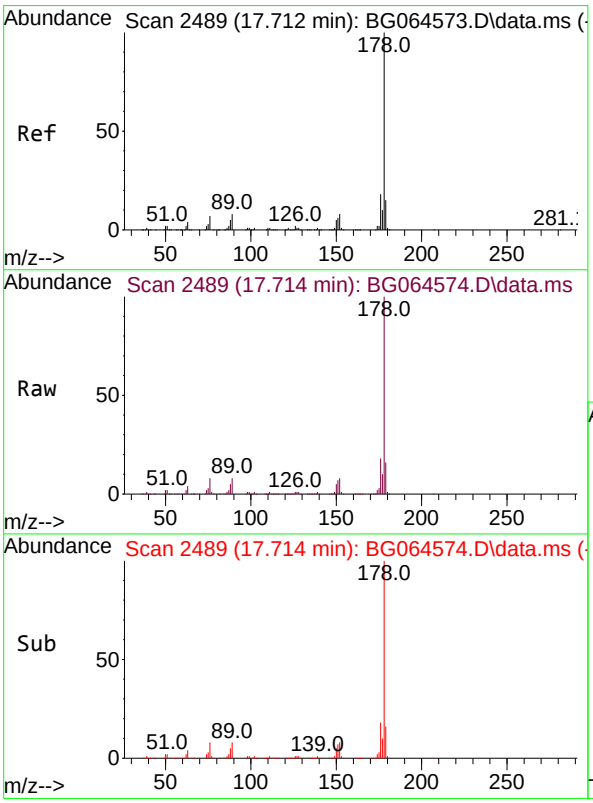
Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.4	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

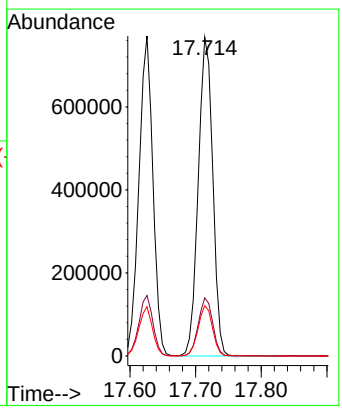
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

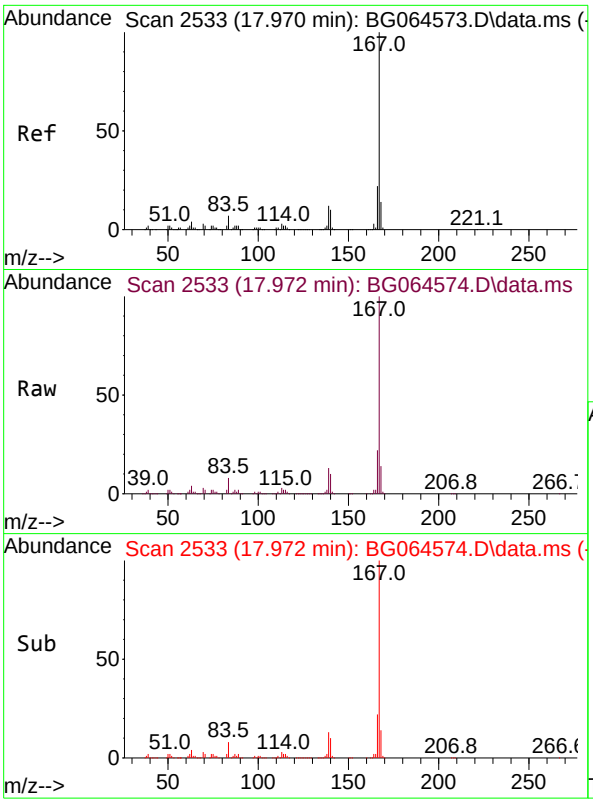


#72
Anthracene
Concen: 64.905 ng
RT: 17.714 min Scan# 2489
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:178 Resp: 1171223

Ion	Ratio	Lower	Upper
178	100		
176	18.2	14.4	21.6
179	15.8	12.4	18.6

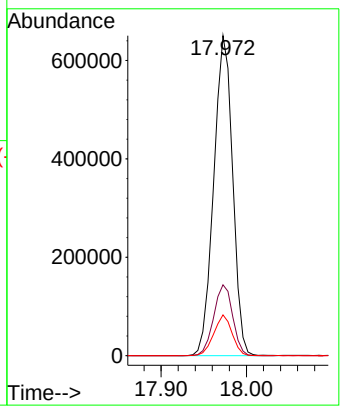




#73
Carbazole
Concen: 62.887 ng
RT: 17.972 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:167 Resp: 100068

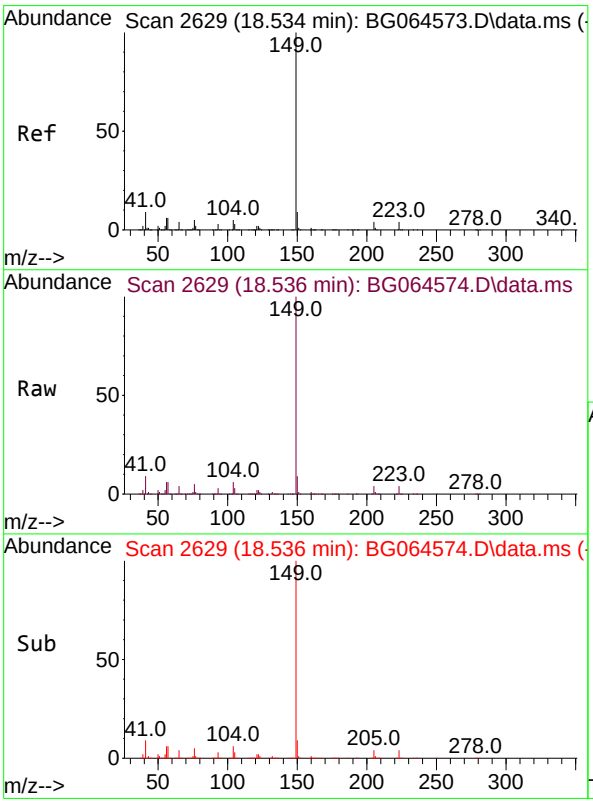
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.9	26.9
139	12.7	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

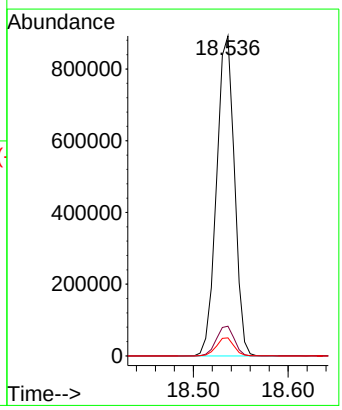
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

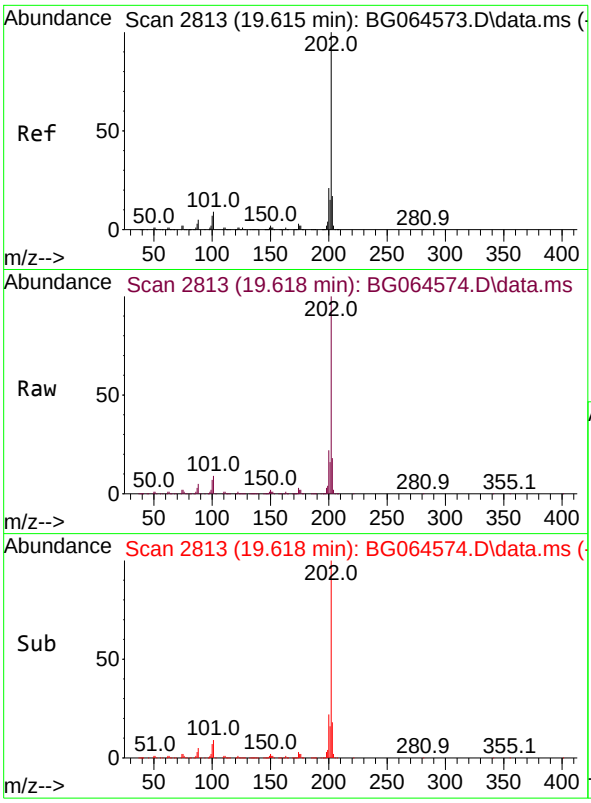


#74
Di-n-butylphthalate
Concen: 63.334 ng
RT: 18.536 min Scan# 2629
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 1165396

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.0	10.6
104	5.6	4.1	6.1

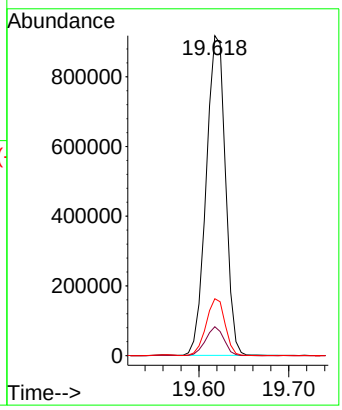




#75
Fluoranthene
Concen: 61.419 ng
RT: 19.618 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 136489

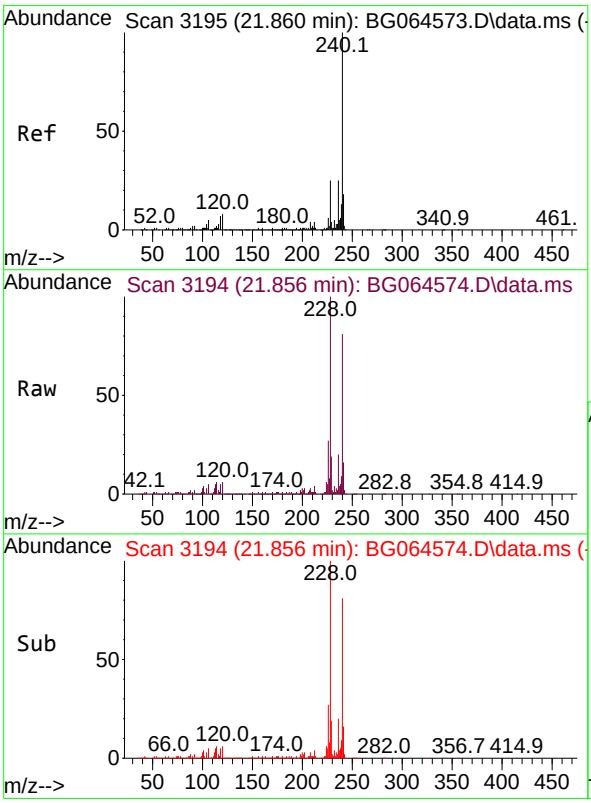
Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	28.7
203	17.8	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

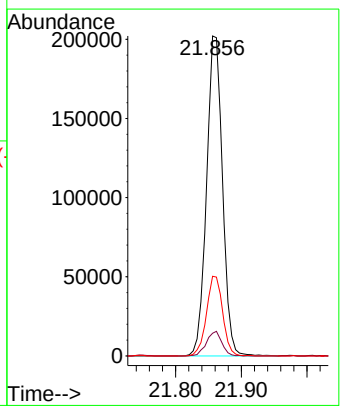
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

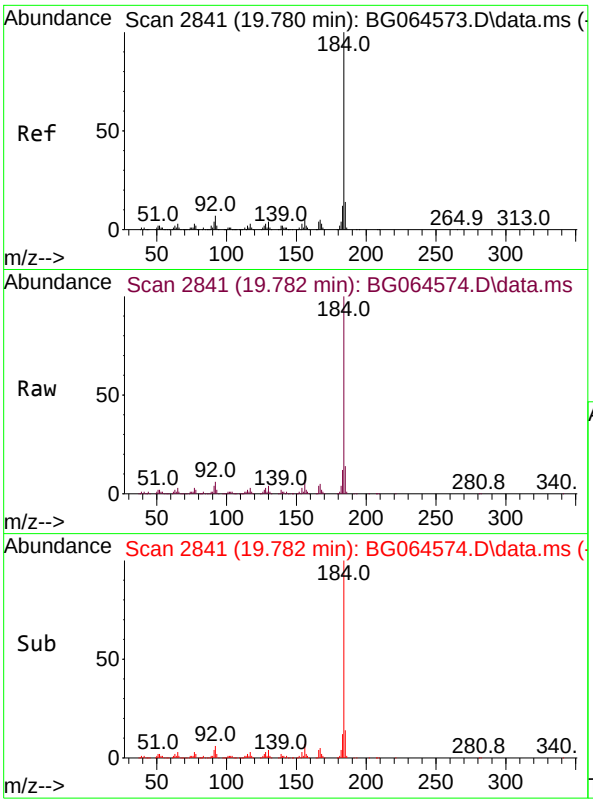


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.856 min Scan# 3194
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:240 Resp: 340896

Ion	Ratio	Lower	Upper
240	100		
120	7.1	6.5	9.7
236	24.9	20.2	30.2

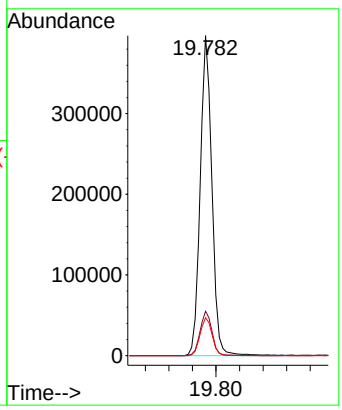




#77
Benzidine
Concen: 71.348 ng
RT: 19.782 min Scan# 28
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:184 Resp: 544918

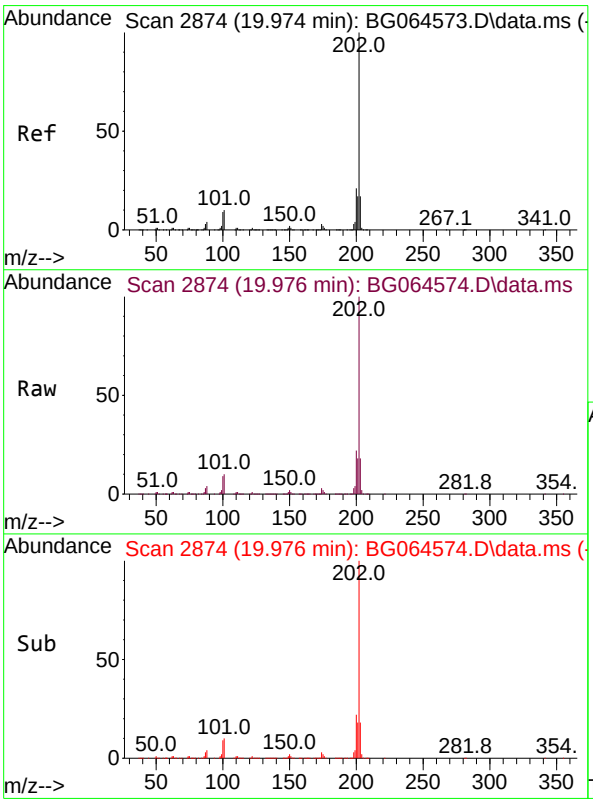
Ion	Ratio	Lower	Upper
184	100		
185	13.9	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

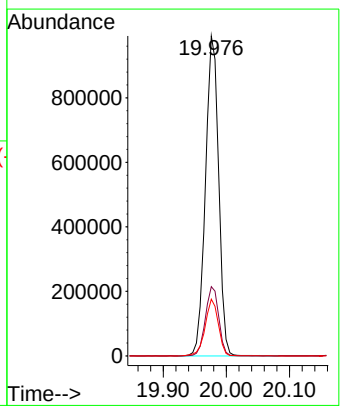
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

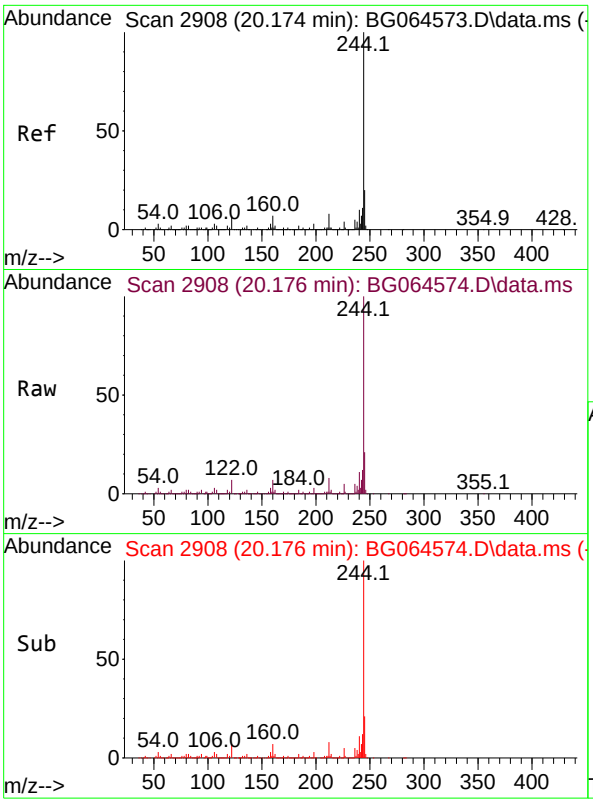


#78
Pyrene
Concen: 64.549 ng
RT: 19.976 min Scan# 2874
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:202 Resp: 1437669

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.4
203	17.7	13.8	20.6

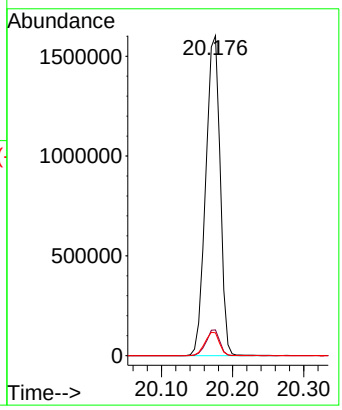




#79
Terphenyl-d14
Concen: 124.763 ng
RT: 20.176 min Scan# 29
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:244 Resp: 225370

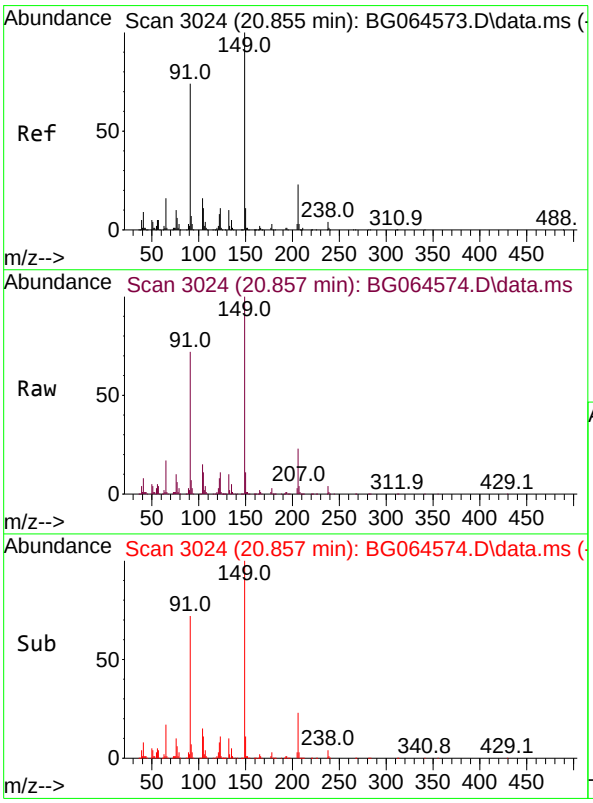
Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.1	9.1
122	7.1	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

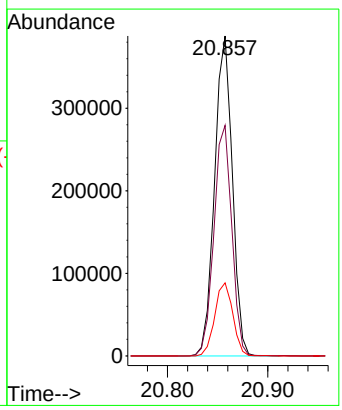
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

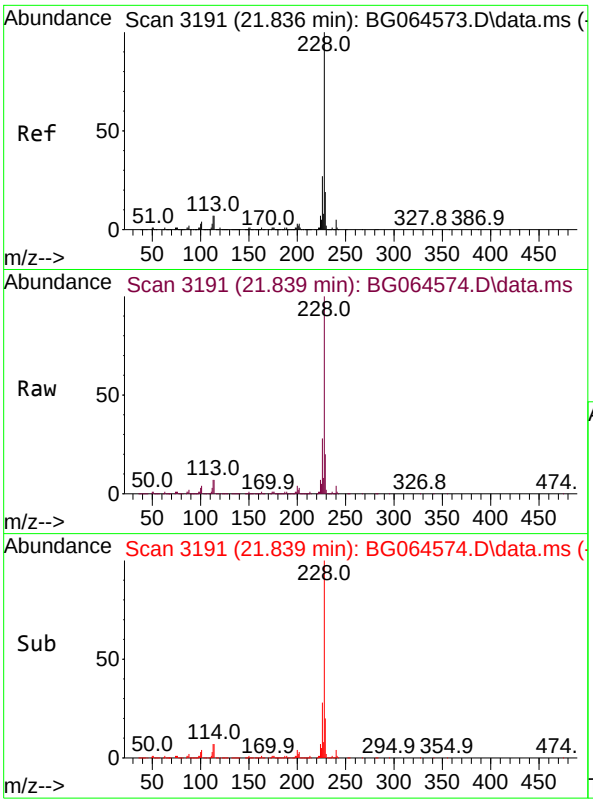


#80
Butylbenzylphthalate
Concen: 70.914 ng
RT: 20.857 min Scan# 3024
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 477358

Ion	Ratio	Lower	Upper
149	100		
91	72.0	59.2	88.8
206	22.8	18.1	27.1

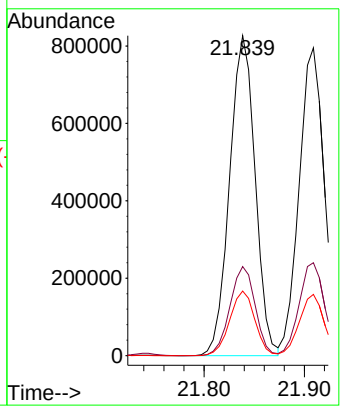




#81
Benzo(a)anthracene
Concen: 64.702 ng
RT: 21.839 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 146248

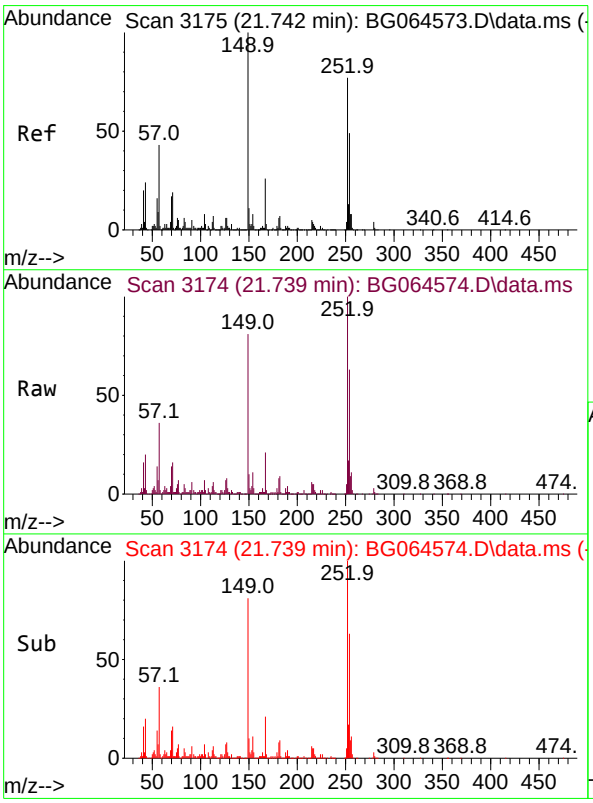
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.9	32.9
229	20.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

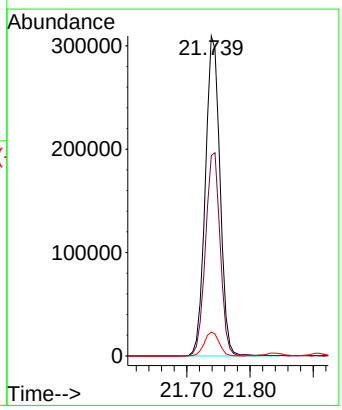
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

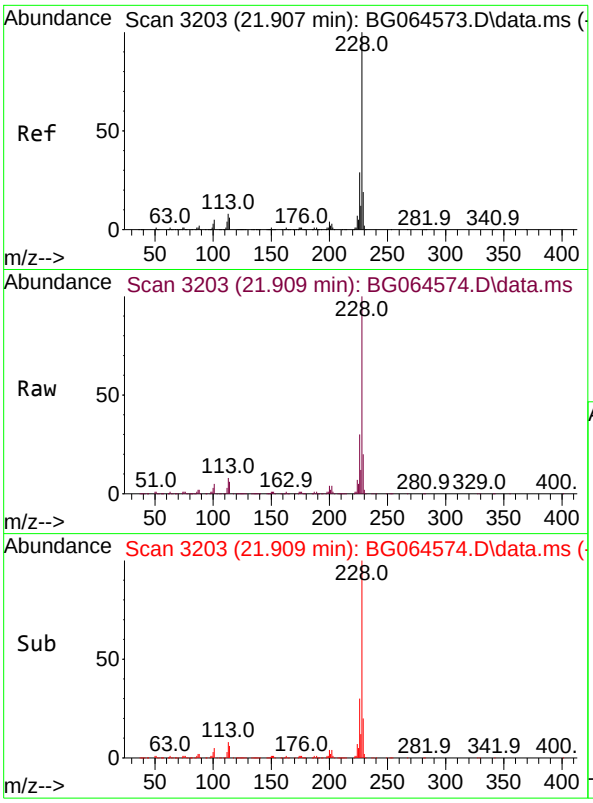


#82
3,3'-Dichlorobenzidine
Concen: 65.868 ng
RT: 21.739 min Scan# 3174
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 497174

Ion	Ratio	Lower	Upper
252	100		
254	62.6	50.8	76.2
126	7.4	5.8	8.6

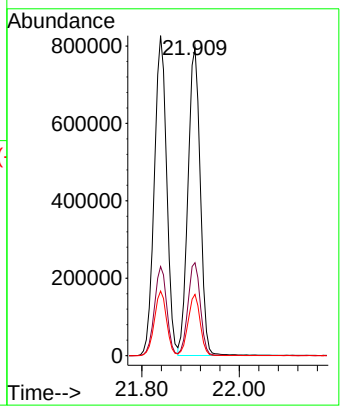




#83
Chrysene
Concen: 64.621 ng
RT: 21.909 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:228 Resp: 138982

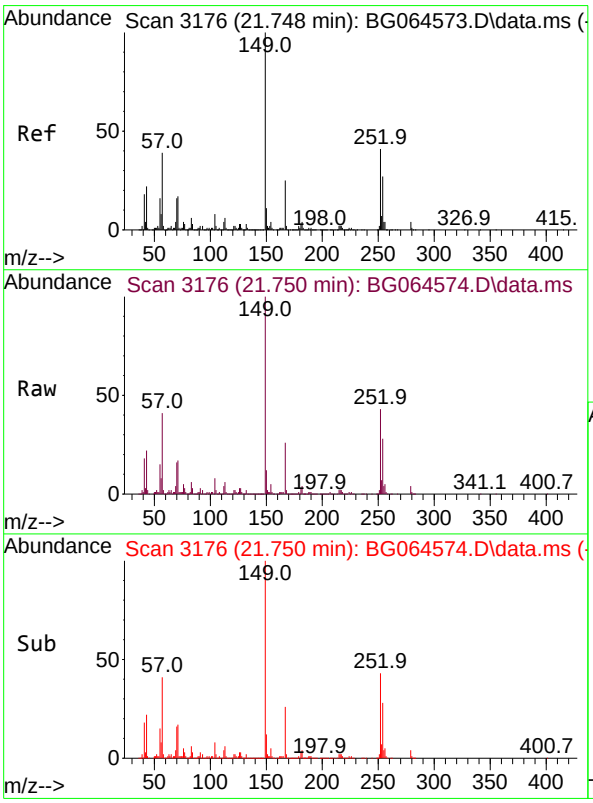
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.3	34.9
229	19.9	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

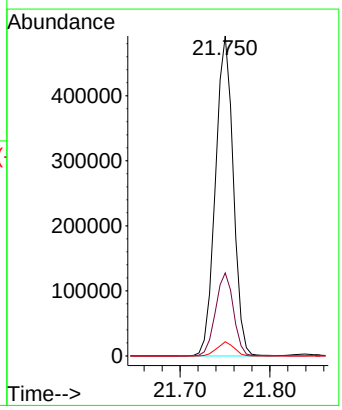
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

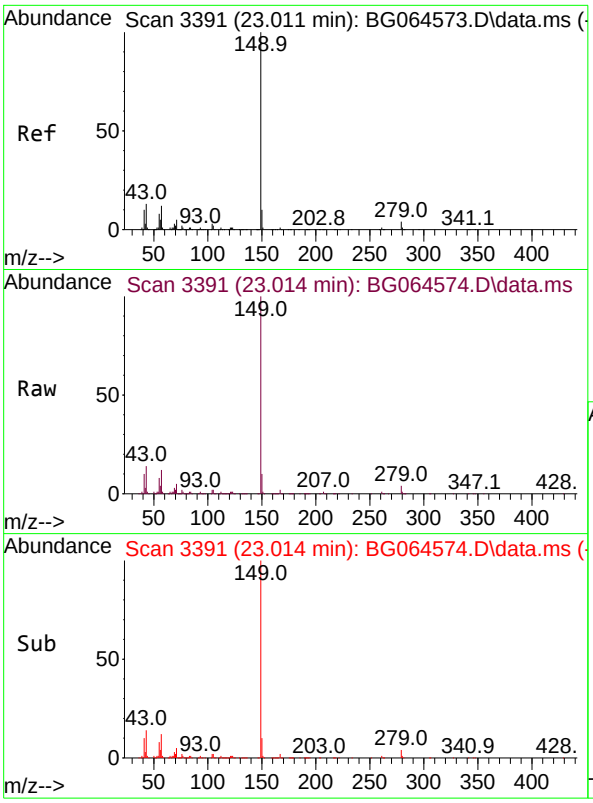


#84
Bis(2-ethylhexyl)phthalate
Concen: 67.768 ng
RT: 21.750 min Scan# 3176
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:149 Resp: 681649

Ion	Ratio	Lower	Upper
149	100		
167	25.9	20.0	30.0
279	4.4	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 67.379 ng
RT: 23.014 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

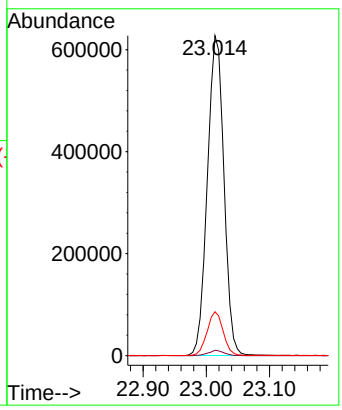
Tgt Ion:149 Resp: 114265

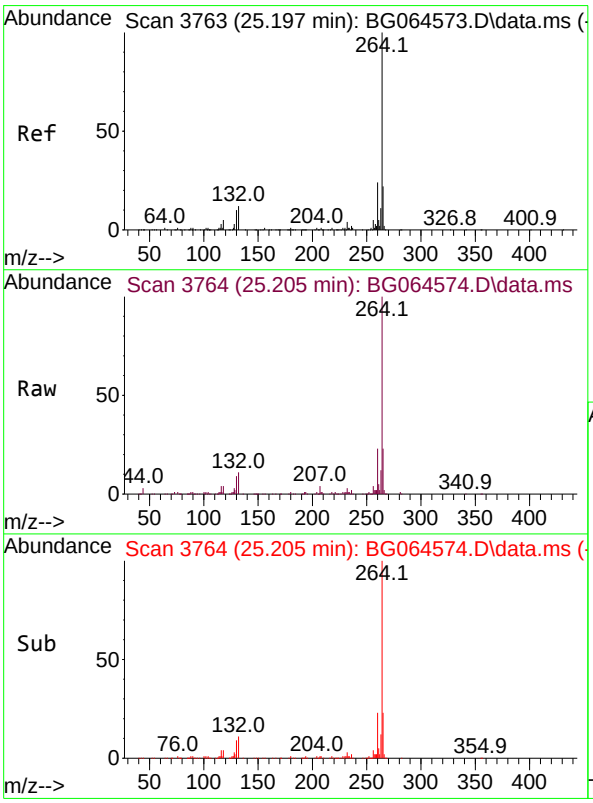
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.5	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

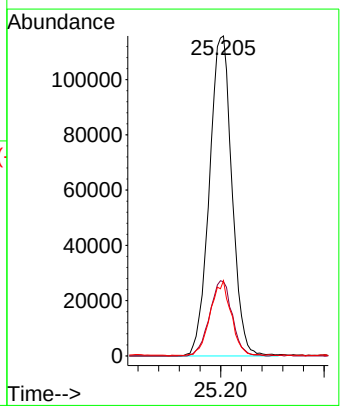


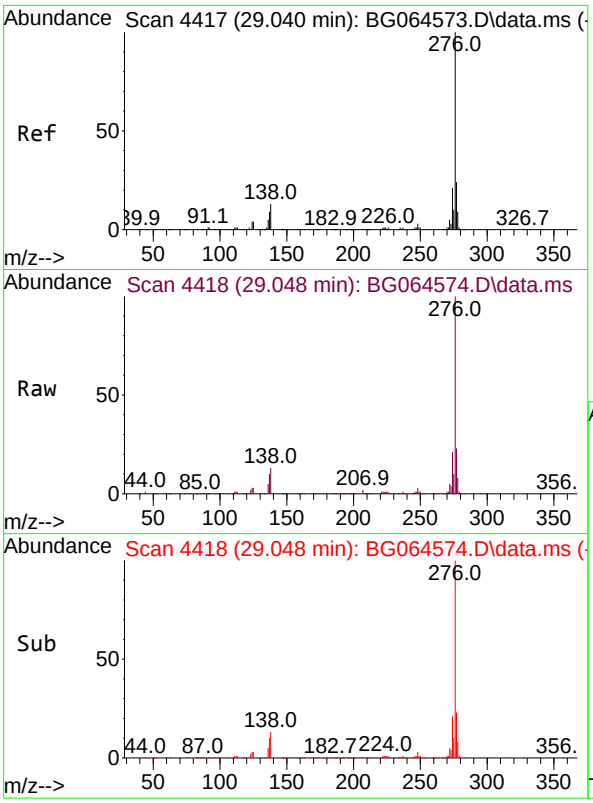


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.205 min Scan# 3764
Delta R.T. 0.005 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:264 Resp: 350916

Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	23.5	17.6	26.4

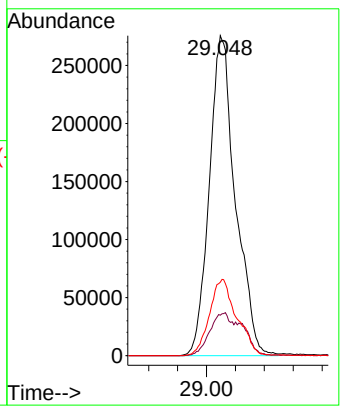




#87
Indeno(1,2,3-cd)pyrene
Concen: 66.979 ng
RT: 29.048 min Scan# 44
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 172903

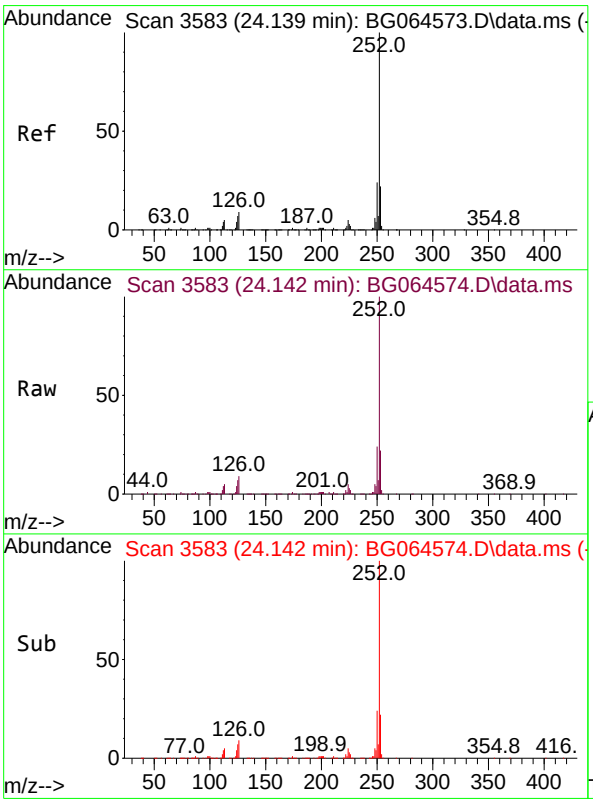
Ion	Ratio	Lower	Upper
276	100		
138	11.2	10.8	16.2
277	24.9	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

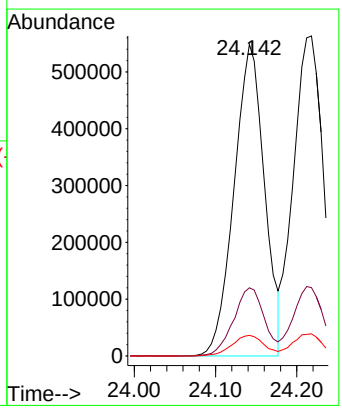
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

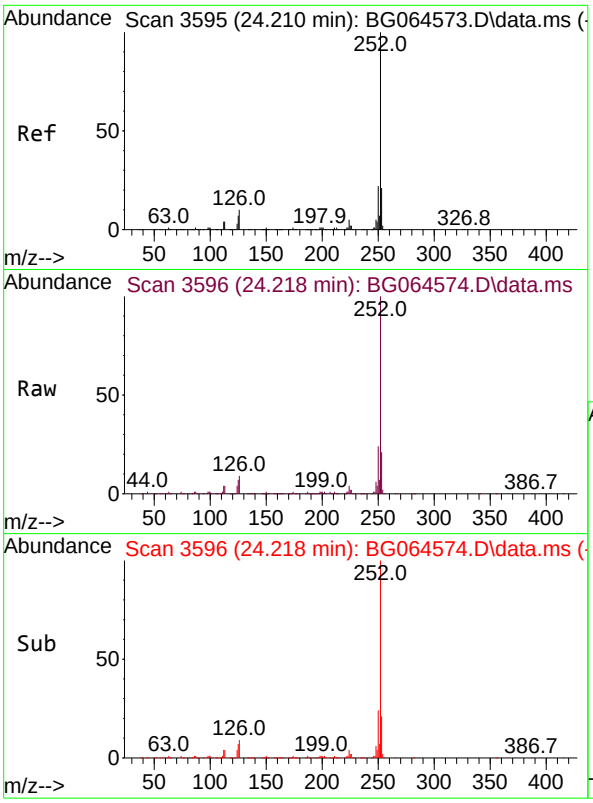


#88
Benzo(b)fluoranthene
Concen: 66.207 ng
RT: 24.142 min Scan# 3583
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1424640

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.6	5.6	8.4

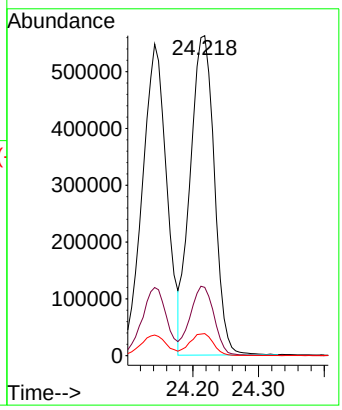




#89
Benzo(k)fluoranthene
Concen: 66.703 ng
RT: 24.218 min Scan# 3
Delta R.T. -0.001 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 143631

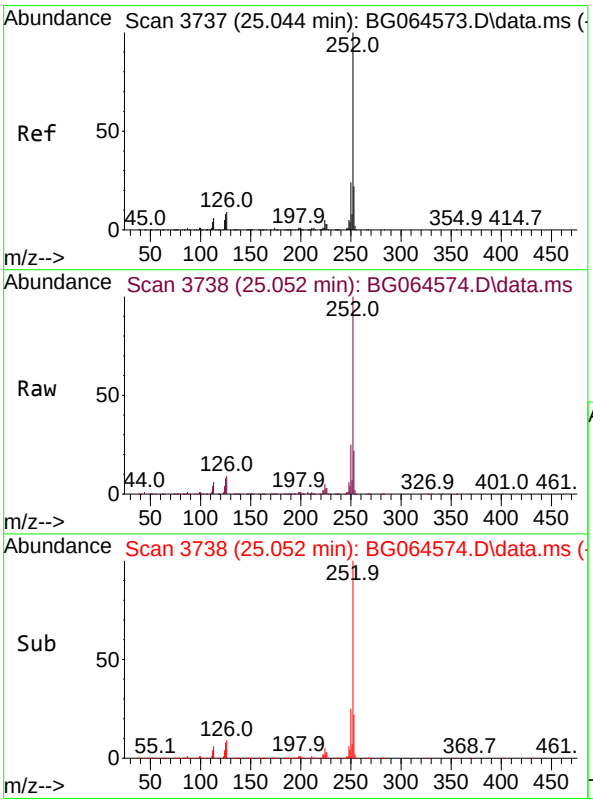
Ion	Ratio	Lower	Upper
252	100		
253	21.3	16.8	25.2
125	6.9	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

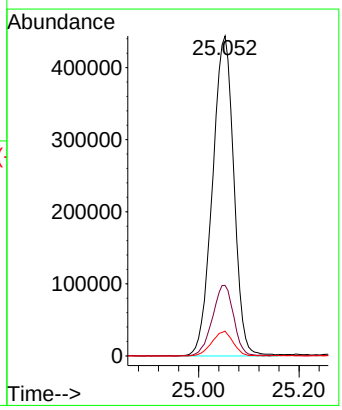
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

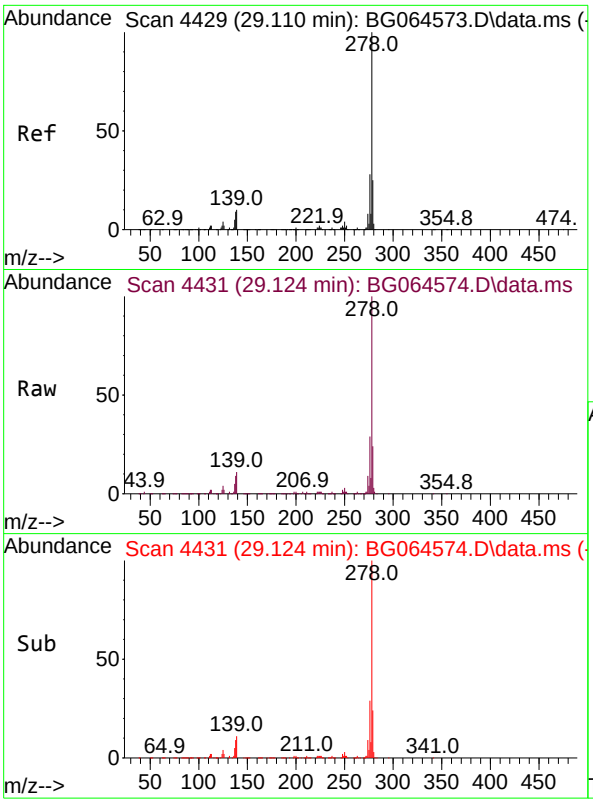


#90
Benzo(a)pyrene
Concen: 66.315 ng
RT: 25.052 min Scan# 3738
Delta R.T. -0.007 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:252 Resp: 1311701

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	7.7	6.1	9.1

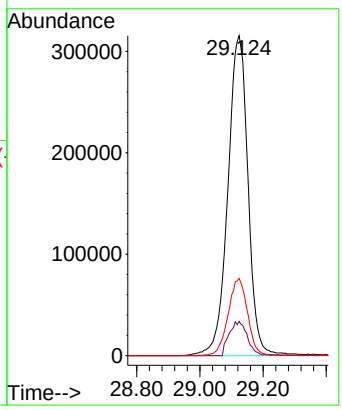




#91
Dibenzo(a,h)anthracene
Concen: 66.479 ng
RT: 29.124 min Scan# 44
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:278 Resp: 139423

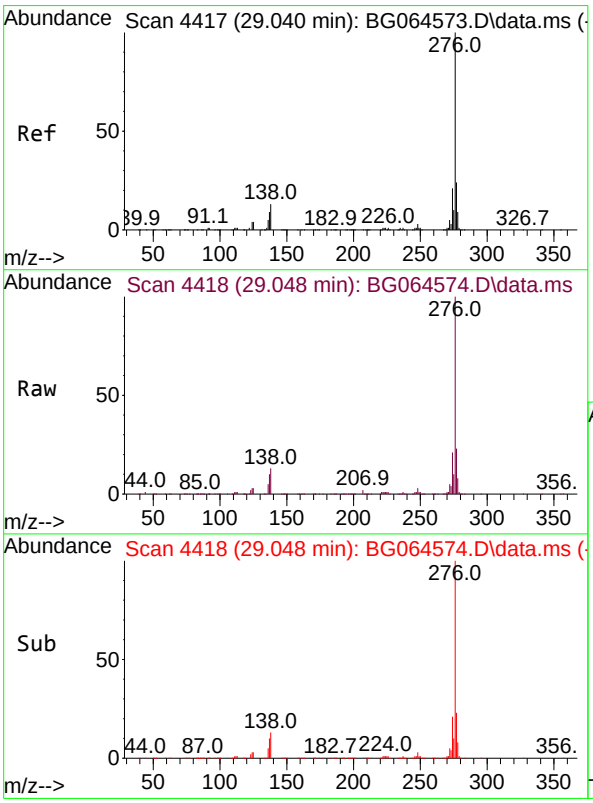
Ion	Ratio	Lower	Upper
278	100		
139	10.7	8.0	12.0
279	24.1	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

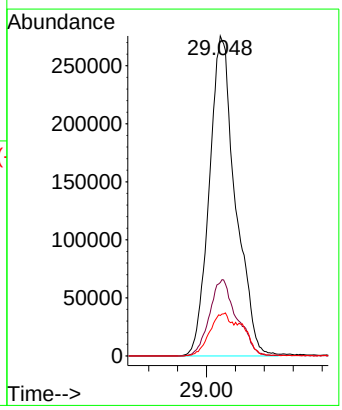
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 66.979 ng
RT: 29.048 min Scan# 4418
Delta R.T. -0.013 min
Lab File: BG064574.D
Acq: 24 Oct 2025 13:44

Tgt Ion:276 Resp: 1729035

Ion	Ratio	Lower	Upper
276	100		
277	22.9	19.2	28.8
138	12.6	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 17:11:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.221	152	45466	20.000	ng		0.00
21) Naphthalene-d8	11.053	136	179569	20.000	ng		0.00
39) Acenaphthene-d10	14.842	164	133797	20.000	ng		0.00
64) Phenanthrene-d10	17.580	188	333421	20.000	ng		0.00
76) Chrysene-d12	21.863	240	363291	20.000	ng		0.00
86) Perylene-d12	25.201	264	382372	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.747	112	411587	151.948	ng		0.00
7) Phenol-d6	7.357	99	554287	149.124	ng		0.00
23) Nitrobenzene-d5	9.390	82	511341	171.034	ng		0.00
42) 2,4,6-Tribromophenol	16.323	330	328066	169.886	ng		0.00
45) 2-Fluorobiphenyl	13.479	172	1314892	148.960	ng		0.00
79) Terphenyl-d14	20.177	244	2697491	140.125	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.591	88	83655	69.757	ng		99
3) Pyridine	3.996	79	259519	72.062	ng		96
4) n-Nitrosodimethylamine	3.908	42	141185	73.105	ng		99
6) Aniline	7.533	93	364528	72.073	ng		99
8) 2-Chlorophenol	7.780	128	221112	77.988	ng		99
9) Benzaldehyde	7.339	77	120456	59.361	ng		94
10) Phenol	7.386	94	307886	74.900	ng		98
11) bis(2-Chloroethyl)ether	7.533	93	364528	72.073	ng		99
12) 1,3-Dichlorobenzene	8.109	146	236208	72.385	ng		98
13) 1,4-Dichlorobenzene	8.256	146	240570	72.504	ng		97
14) 1,2-Dichlorobenzene	8.579	146	233326	72.905	ng		98
15) Benzyl Alcohol	8.456	79	233374	76.140	ng		95
16) 2,2'-oxybis(1-Chloropr...	8.743	45	573671	72.364	ng		99
17) 2-Methylphenol	8.450	107	116107	75.783	ng		89
18) Hexachloroethane	9.325	117	87876	75.469	ng		98
19) n-Nitroso-di-n-propyla...	9.031	70	192155	74.804	ng		99
20) 3+4-Methylphenols	8.984	107	285690	74.434	ng		98
22) Acetophenone	9.049	105	365265	74.412	ng	#	99
24) Nitrobenzene	9.431	77	273231	84.025	ng		97
25) Isophorone	9.966	82	539122	75.150	ng		100
26) 2-Nitrophenol	10.148	139	103090	79.938	ng		94
27) 2,4-Dimethylphenol	10.195	122	217977m	80.082	ng		
28) bis(2-Chloroethoxy)met...	10.436	93	299758	73.388	ng		99
29) 2,4-Dichlorophenol	10.682	162	231256	80.526	ng		97
30) 1,2,4-Trichlorobenzene	10.906	180	250883	76.888	ng		97
31) Naphthalene	11.100	128	744985	74.828	ng		99
32) Benzoic acid	10.342	122	164443m	78.645	ng		
33) 4-Chloroaniline	11.188	127	290611	75.100	ng		98
34) Hexachlorobutadiene	11.393	225	196140	76.863	ng		99
35) Caprolactam	11.975	113	83266	75.596	ng		93
36) 4-Chloro-3-methylphenol	12.298	107	265909	77.031	ng		99
37) 2-Methylnaphthalene	12.692	142	542132	74.168	ng		99
38) 1-Methylnaphthalene	12.909	142	527717	73.372	ng		98
40) 1,2,4,5-Tetrachloroben...	13.056	216	351719	78.328	ng		99
41) Hexachlorocyclopentadiene	13.038	237	163461	80.876	ng		99
43) 2,4,6-Trichlorophenol	13.279	196	218318	84.998	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 24 17:11:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.350	196	243241	82.064	ng		99
46) 1,1'-Biphenyl	13.685	154	713186	74.977	ng		100
47) 2-Chloronaphthalene	13.732	162	547242	76.218	ng		99
48) 2-Nitroaniline	13.914	65	196580	79.301	ng		95
49) Acenaphthylene	14.566	152	858511	75.806	ng		99
50) Dimethylphthalate	14.290	163	782708	76.450	ng		98
51) 2,6-Dinitrotoluene	14.402	165	135769	78.216	ng		98
52) Acenaphthene	14.913	154	589213	76.150	ng		99
53) 3-Nitroaniline	14.731	138	159072	90.409	ng		96
54) 2,4-Dinitrophenol	14.930	184	82655	79.755	ng	#	65
55) Dibenzofuran	15.242	168	923386	73.816	ng		99
56) 4-Nitrophenol	15.018	139	142966	87.640	ng		98
57) 2,4-Dinitrotoluene	15.189	165	212164	79.117	ng		96
58) Fluorene	15.888	166	711212	72.801	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.459	232	240094	84.708	ng		99
60) Diethylphthalate	15.653	149	803621	76.874	ng		100
61) 4-Chlorophenyl-phenyle...	15.876	204	408239	74.463	ng		99
62) 4-Nitroaniline	15.894	138	173159	88.462	ng		96
63) Azobenzene	16.170	77	723988	75.482	ng		99
65) 4,6-Dinitro-2-methylph...	15.947	198	124101	80.450	ng		95
66) n-Nitrosodiphenylamine	16.088	169	666665	74.020	ng		98
67) 4-Bromophenyl-phenylether	16.769	248	299348	75.762	ng		99
68) Hexachlorobenzene	16.893	284	341338	75.724	ng		96
69) Atrazine	17.028	200	281950	72.745	ng		97
70) Pentachlorophenol	17.228	266	235472	83.771	ng		93
71) Phenanthrene	17.627	178	1340610	73.525	ng		99
72) Anthracene	17.715	178	1367044	73.704	ng		99
73) Carbazole	17.974	167	1195960	73.122	ng		99
74) Di-n-butylphthalate	18.538	149	1433446	75.790	ng		100
75) Fluoranthene	19.619	202	1663673	72.835	ng		98
77) Benzidine	19.783	184	556525	68.376	ng		98
78) Pyrene	19.977	202	1737788	73.215	ng		99
80) Butylbenzylphthalate	20.859	149	595333	82.988	ng		98
81) Benzo(a)anthracene	21.840	228	1805628	74.959	ng		99
82) 3,3'-Dichlorobenzidine	21.740	252	615546	76.524	ng		99
83) Chrysene	21.910	228	1704533	74.368	ng		97
84) Bis(2-ethylhexyl)phtha...	21.752	149	854027	79.672	ng		98
85) Di-n-octyl phthalate	23.015	149	1432956	79.289	ng		100
87) Indeno(1,2,3-cd)pyrene	29.061	276	2156428	76.663	ng		98
88) Benzo(b)fluoranthene	24.143	252	1810094	77.199	ng		99
89) Benzo(k)fluoranthene	24.219	252	1757758	74.916	ng		98
90) Benzo(a)pyrene	25.060	252	1649779	76.546	ng		99
91) Dibenzo(a,h)anthracene	29.137	278	1747890	76.486	ng		98
92) Benzo(g,h,i)perylene	29.061	276	2156428	76.663	ng		99

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

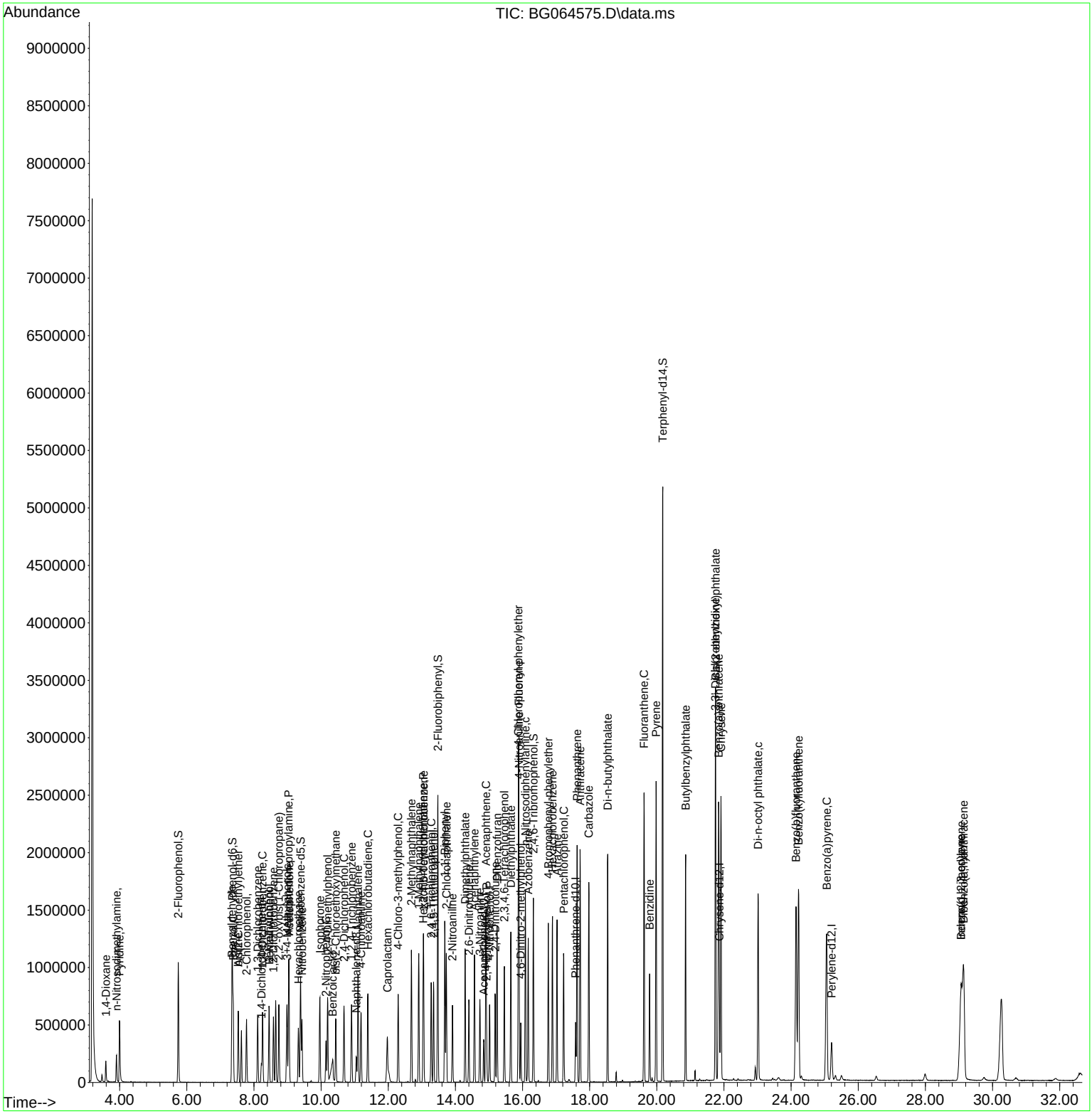
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064575.D
Acq On : 24 Oct 2025 14:24
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 8 Sample Multiplier: 1

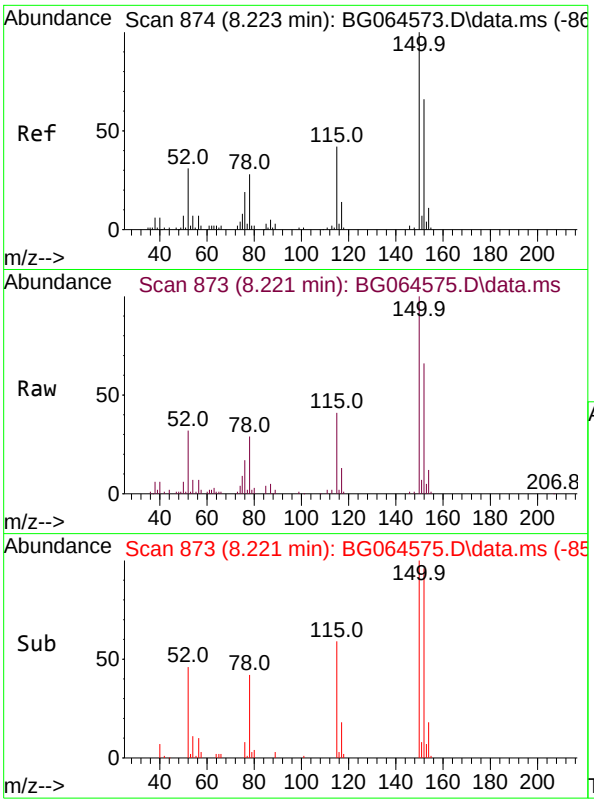
Quant Time: Oct 24 17:11:24 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

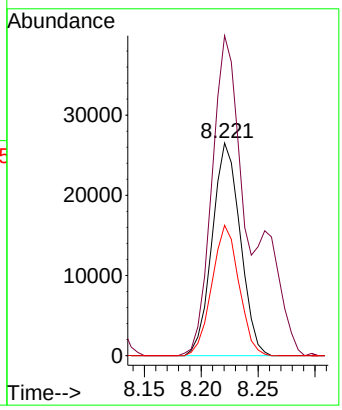




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.221 min Scan# 8
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 4546

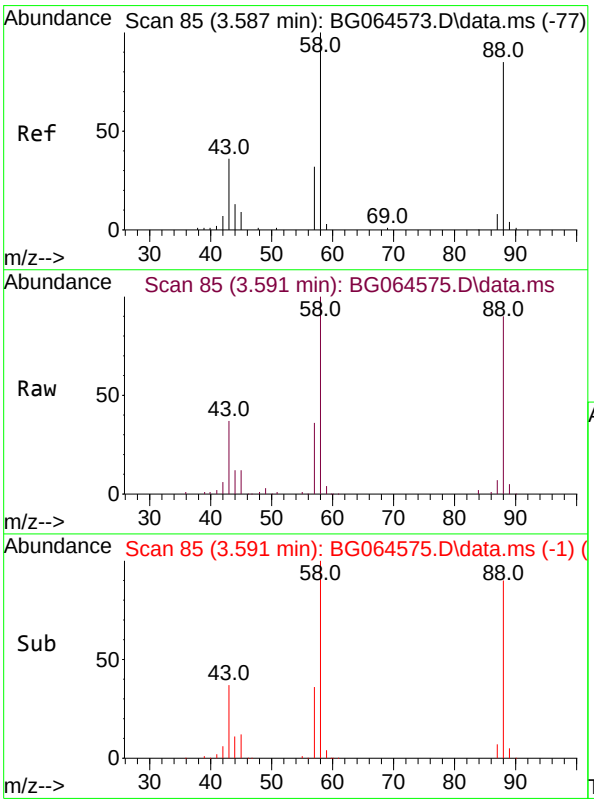
Ion	Ratio	Lower	Upper
152	100		
150	150.5	122.2	183.4
115	61.3	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

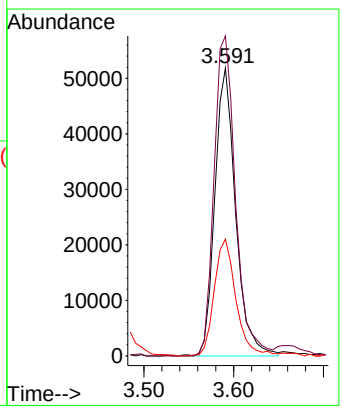
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

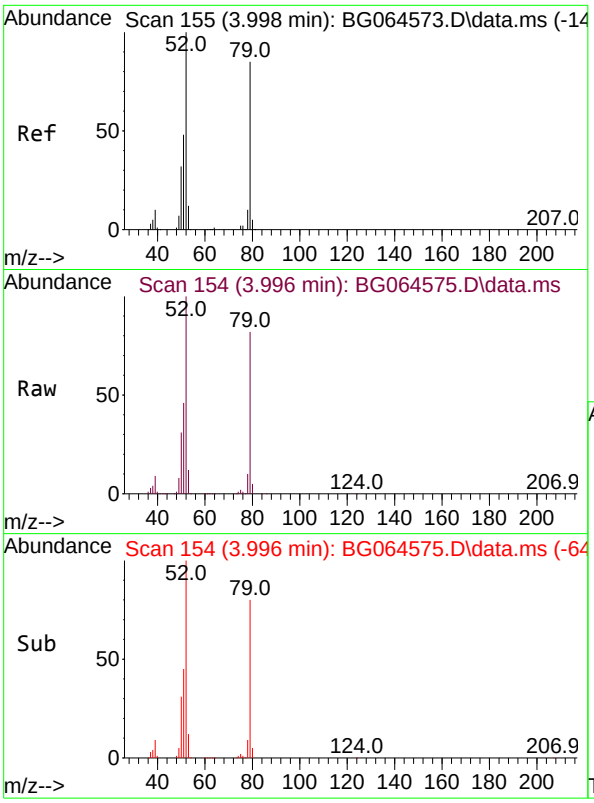


#2
1,4-Dioxane
Concen: 69.757 ng
RT: 3.591 min Scan# 85
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 88 Resp: 83655

Ion	Ratio	Lower	Upper
88	100		
58	114.3	92.4	138.6
43	42.2	33.0	49.6

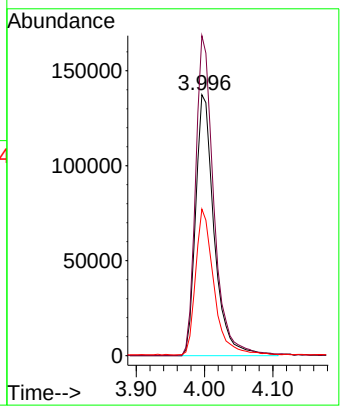




#3
Pyridine
Concen: 72.062 ng
RT: 3.996 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 25951

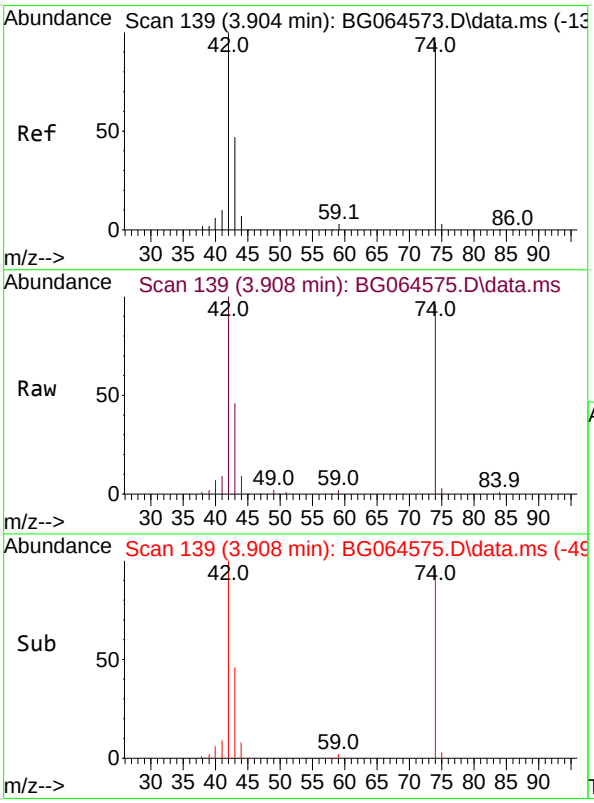
Ion	Ratio	Lower	Upper
79	100		
52	122.7	94.2	141.2
51	56.2	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

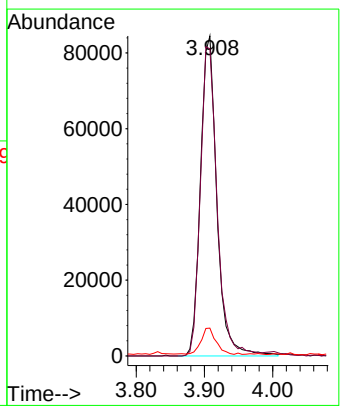
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

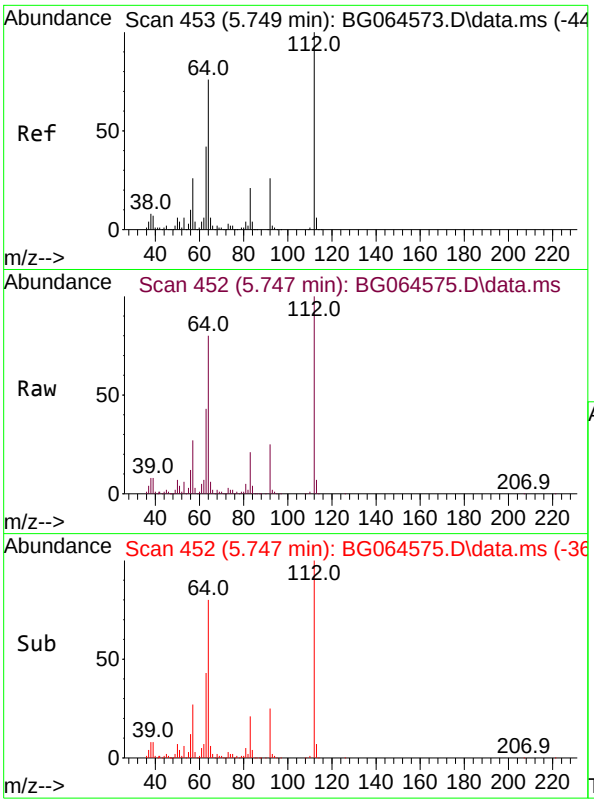


#4
n-Nitrosodimethylamine
Concen: 73.105 ng
RT: 3.908 min Scan# 139
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 42 Resp: 141185

Ion	Ratio	Lower	Upper
42	100		
74	96.0	76.1	114.1
44	8.7	6.3	9.5





#5
2-Fluorophenol
Concen: 151.948 ng
RT: 5.747 min Scan# 4
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

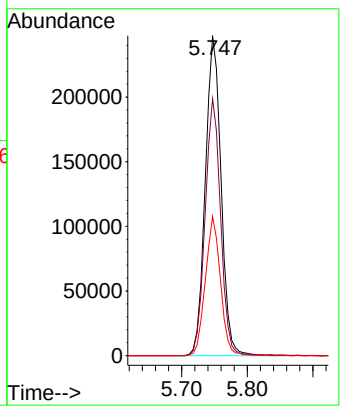
Tgt Ion:112 Resp: 41158

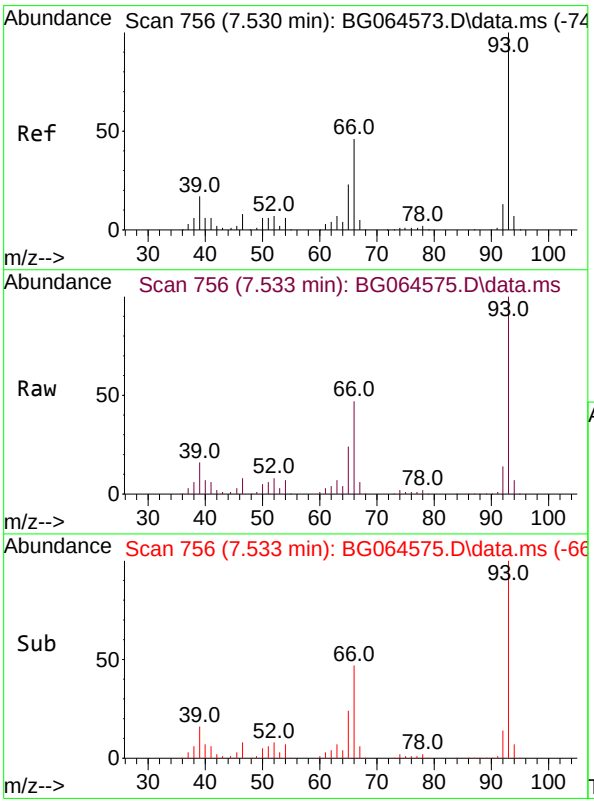
Ion	Ratio	Lower	Upper
112	100		
64	80.3	60.7	91.1
63	43.5	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

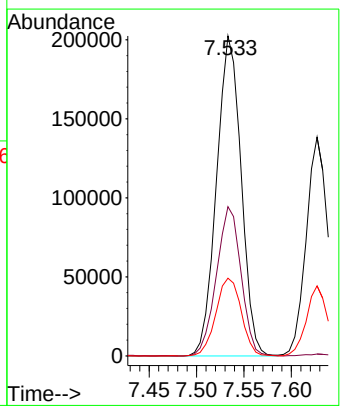


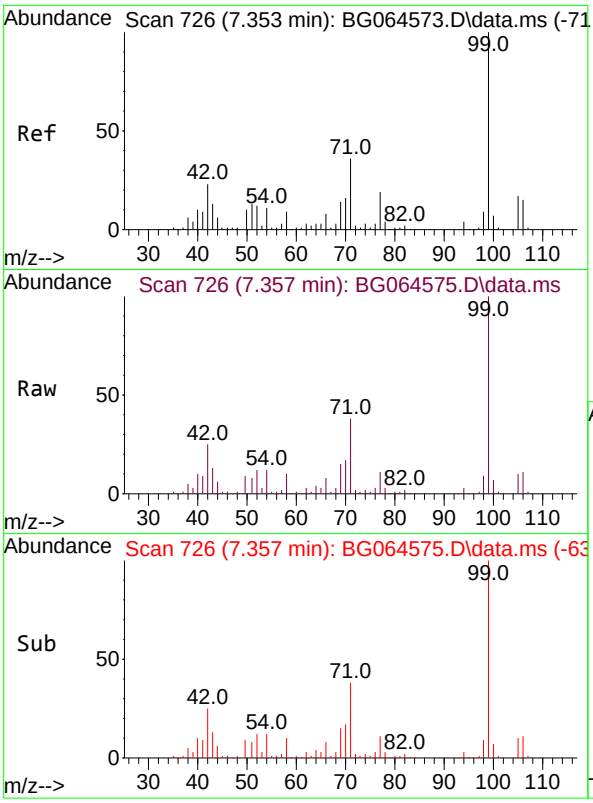


#6
Aniline
Concen: 72.073 ng
RT: 7.533 min Scan# 756
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 364528

Ion	Ratio	Lower	Upper
93	100		
66	46.6	37.0	55.6
65	24.3	18.3	27.5

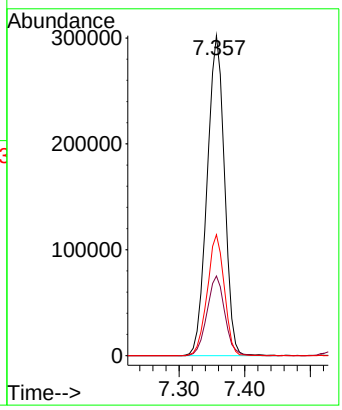




#7
Phenol-d6
Concen: 149.124 ng
RT: 7.357 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 99 Resp: 55428

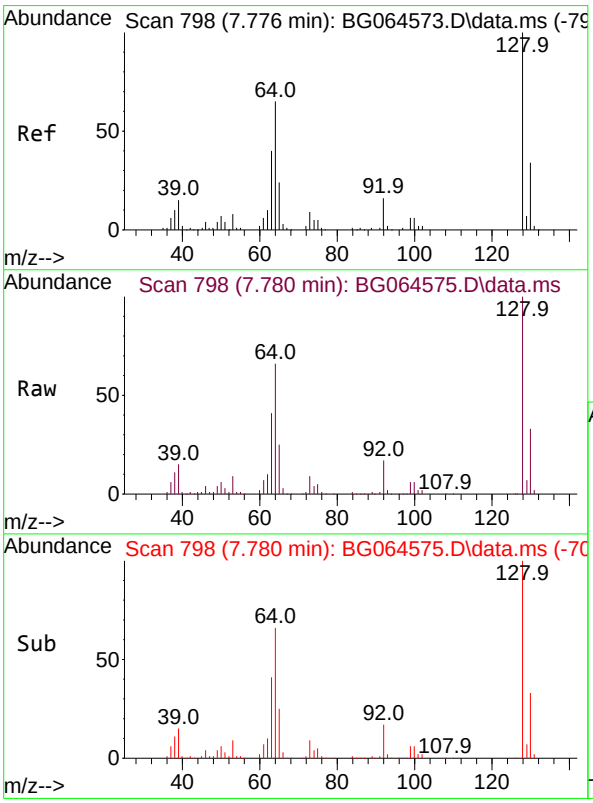
Ion	Ratio	Lower	Upper
99	100		
42	24.9	18.3	27.5
71	37.8	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

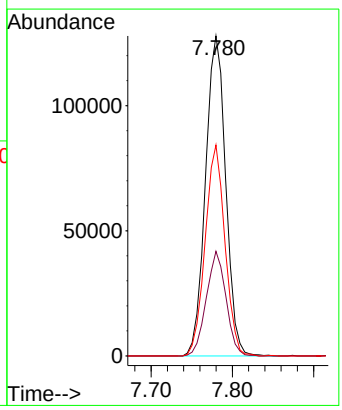
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

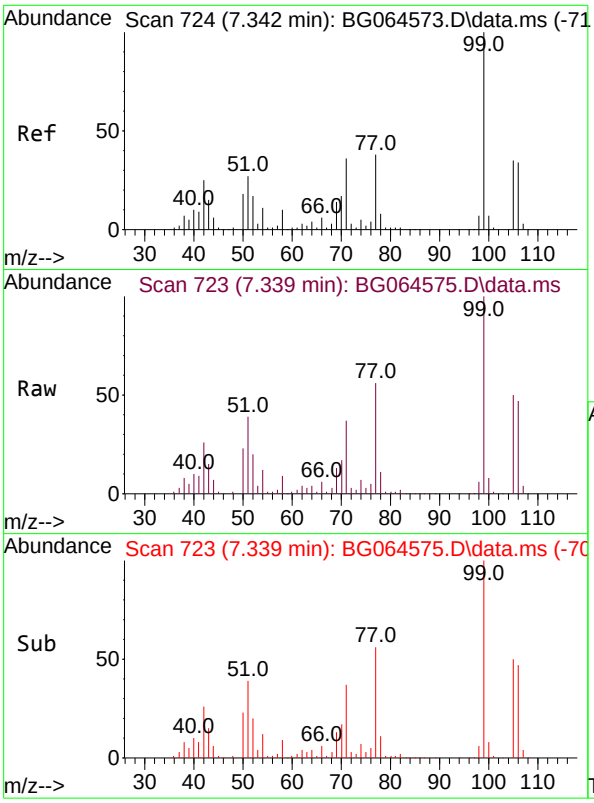


#8
2-Chlorophenol
Concen: 77.988 ng
RT: 7.780 min Scan# 798
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 221112

Ion	Ratio	Lower	Upper
128	100		
130	32.7	13.5	53.5
64	65.9	45.2	85.2

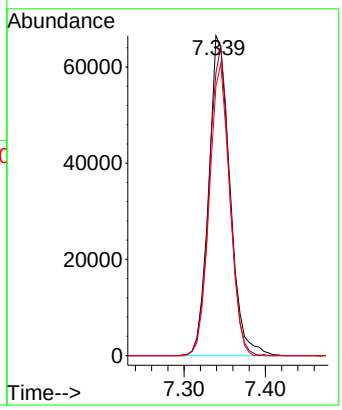




#9
Benzaldehyde
Concen: 59.361 ng
RT: 7.339 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 12045

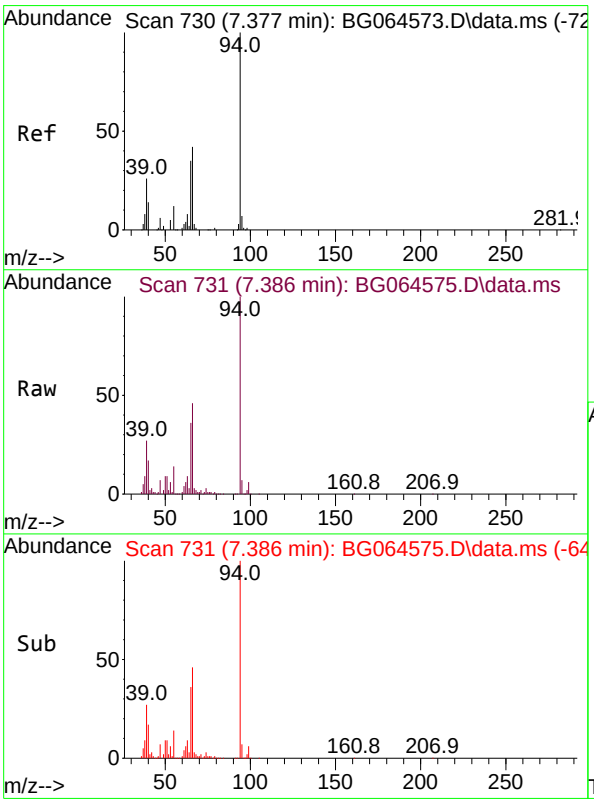
Ion	Ratio	Lower	Upper
77	100		
105	88.4	72.9	112.9
106	84.2	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

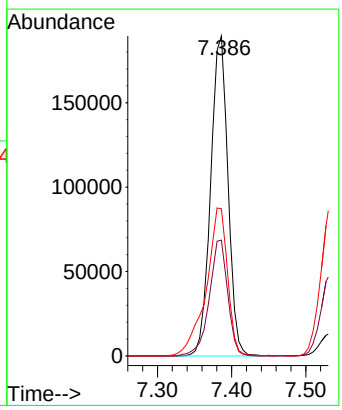
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

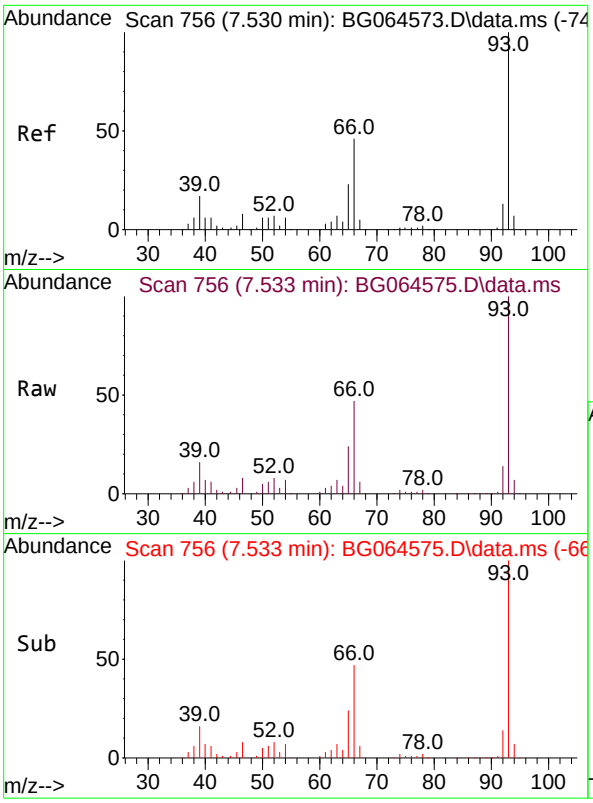


#10
Phenol
Concen: 74.900 ng
RT: 7.386 min Scan# 731
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 94 Resp: 307886

Ion	Ratio	Lower	Upper
94	100		
65	36.2	15.8	55.8
66	46.0	24.0	64.0

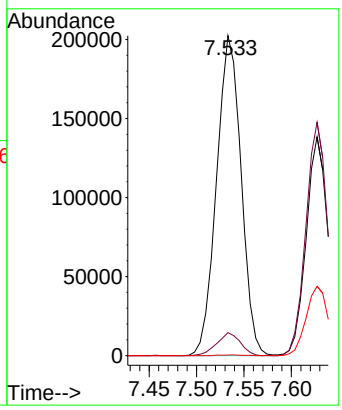




#11
bis(2-Chloroethyl)ether
Concen: 72.073 ng
RT: 7.533 min Scan# 7
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 36452

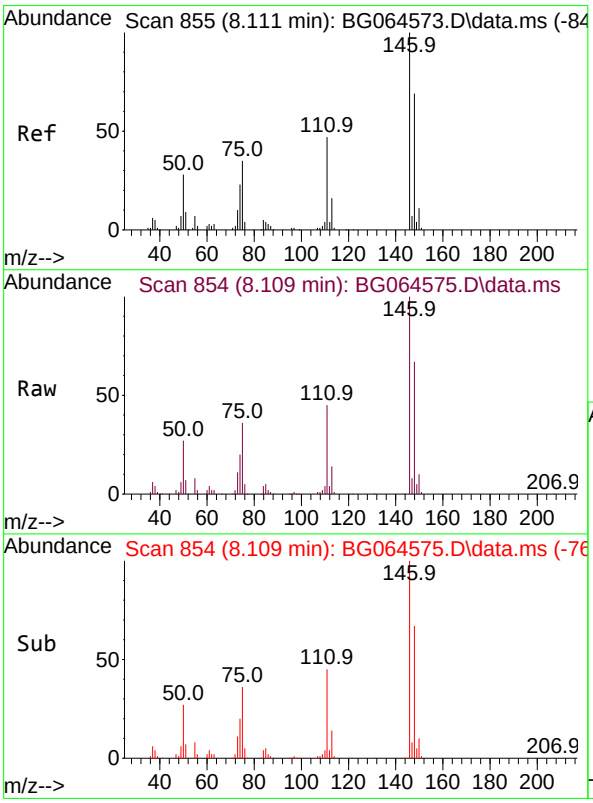
Ion	Ratio	Lower	Upper
93	100		
63	7.2	0.0	27.4
95	0.2	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

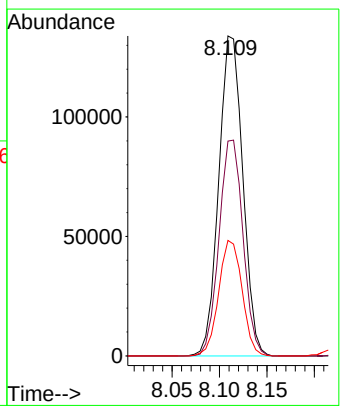
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

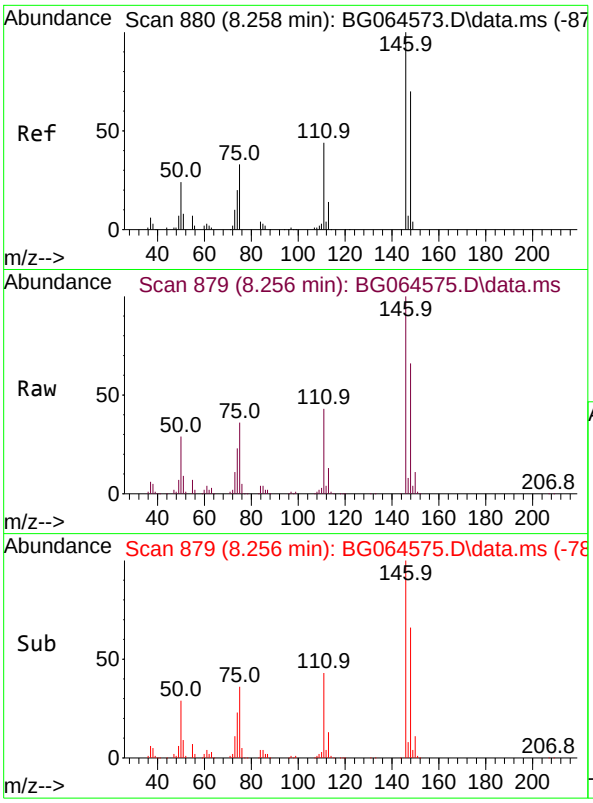


#12
1,3-Dichlorobenzene
Concen: 72.385 ng
RT: 8.109 min Scan# 854
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 236208

Ion	Ratio	Lower	Upper
146	100		
148	67.1	55.3	82.9
75	36.1	28.2	42.2

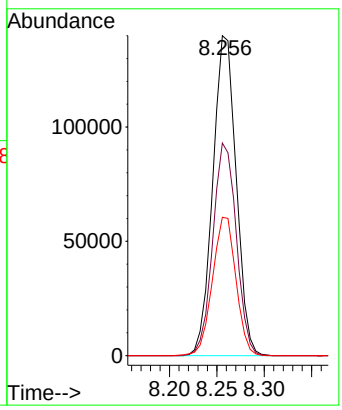




#13
1,4-Dichlorobenzene
Concen: 72.504 ng
RT: 8.256 min Scan# 8
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 24057

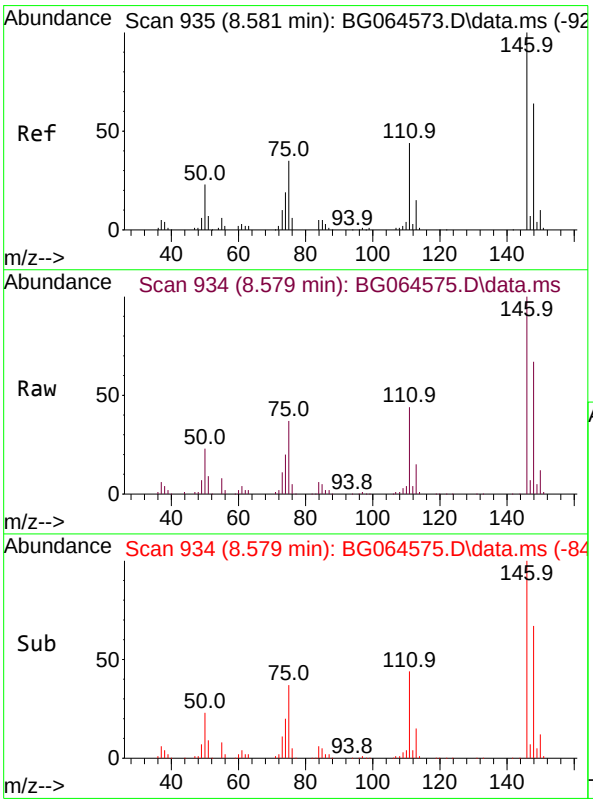
Ion	Ratio	Lower	Upper
146	100		
148	66.4	56.2	84.4
111	43.2	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

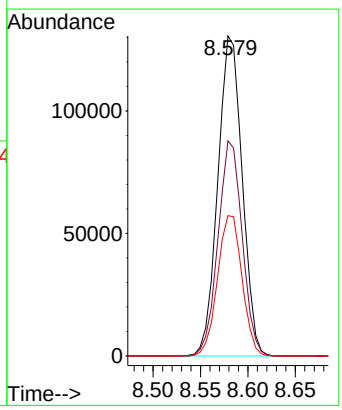
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

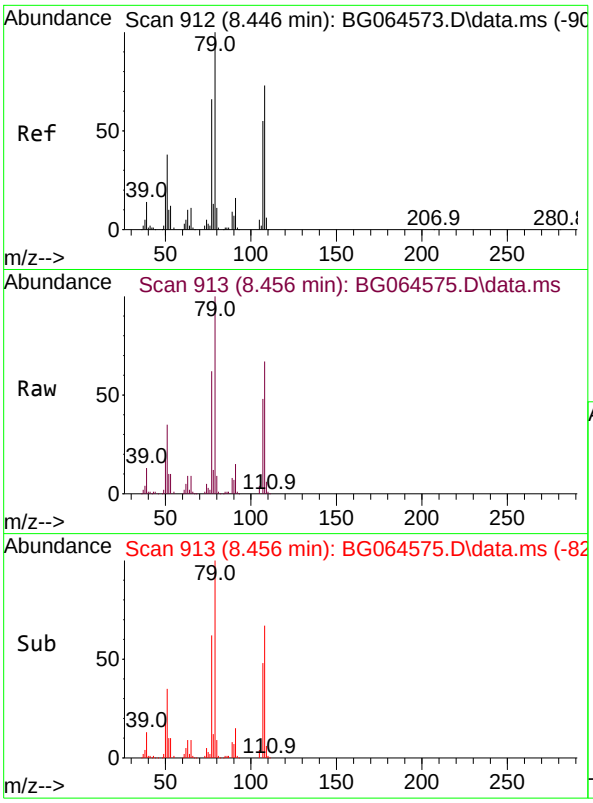


#14
1,2-Dichlorobenzene
Concen: 72.905 ng
RT: 8.579 min Scan# 934
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:146 Resp: 233326

Ion	Ratio	Lower	Upper
146	100		
148	67.2	51.5	77.3
111	43.8	35.0	52.6

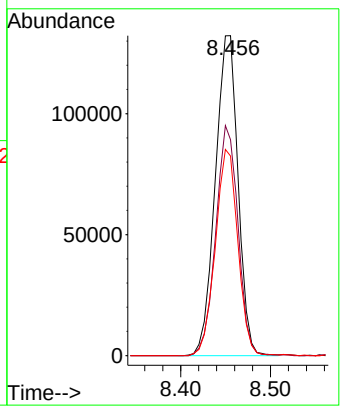




#15
Benzyl Alcohol
Concen: 76.140 ng
RT: 8.456 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 79 Resp: 23337

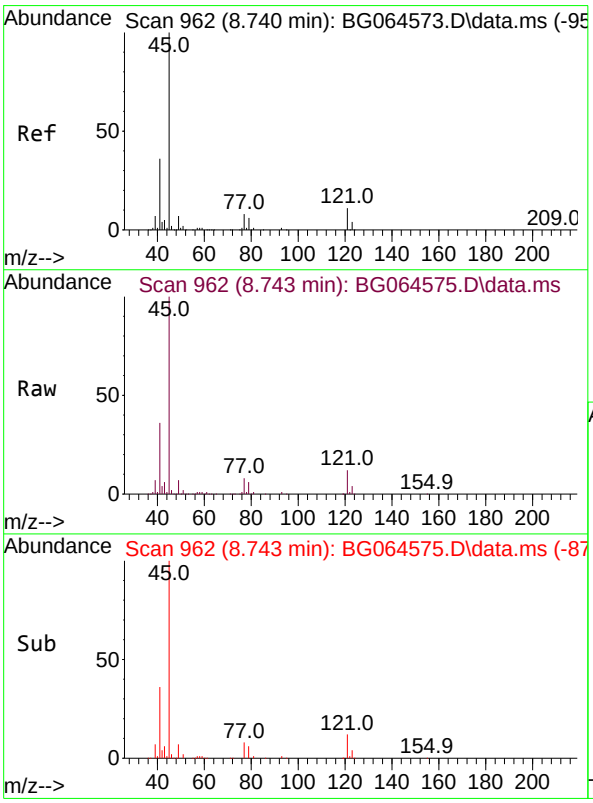
Ion	Ratio	Lower	Upper
79	100		
108	67.5	58.1	87.1
77	62.4	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

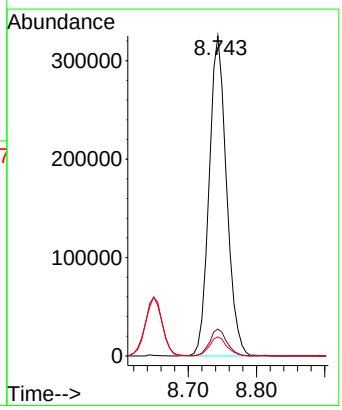
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

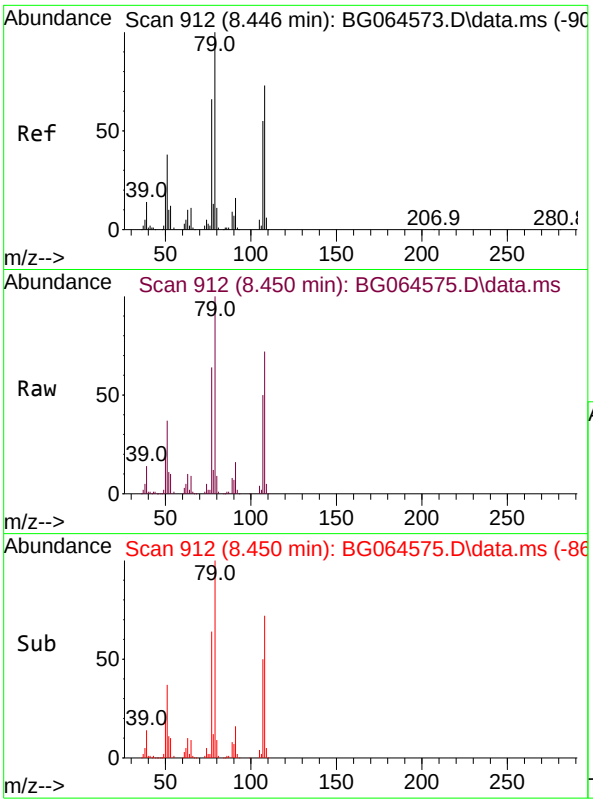


#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.364 ng
RT: 8.743 min Scan# 962
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 45 Resp: 573671

Ion	Ratio	Lower	Upper
45	100		
77	8.4	0.0	28.5
79	5.9	0.0	25.6

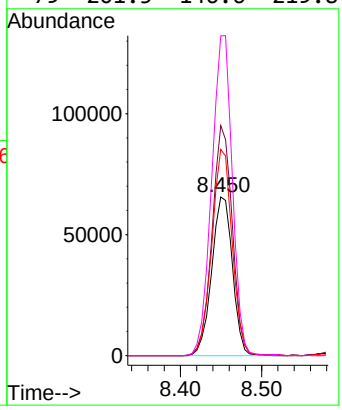




#17
2-Methylphenol
Concen: 75.783 ng
RT: 8.450 min Scan# 91
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 11610

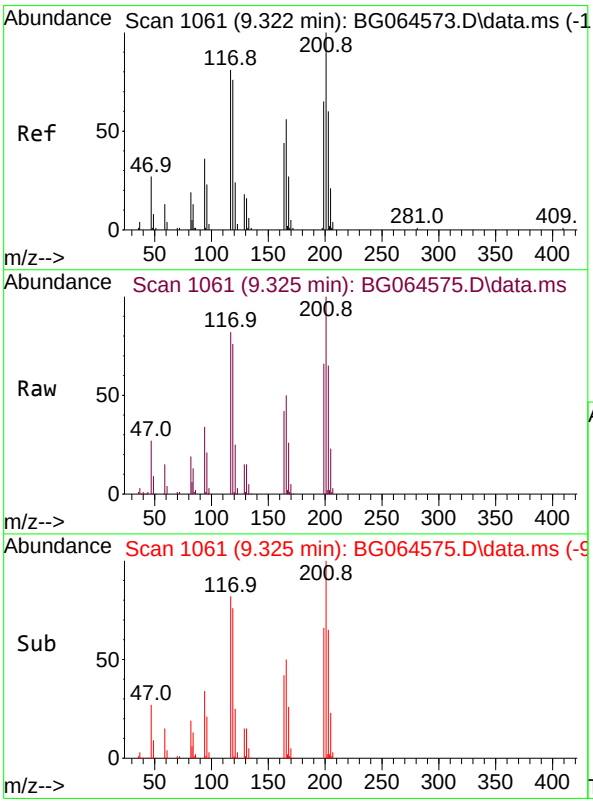
Ion	Ratio	Lower	Upper
107	100		
108	145.0	106.4	159.6
77	130.0	96.7	145.1
79	201.5	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

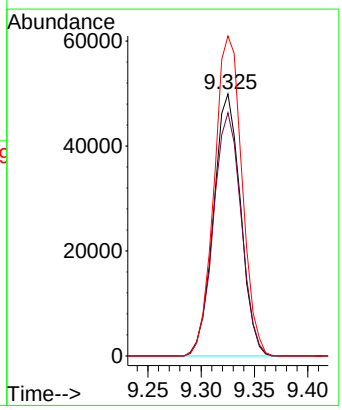
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

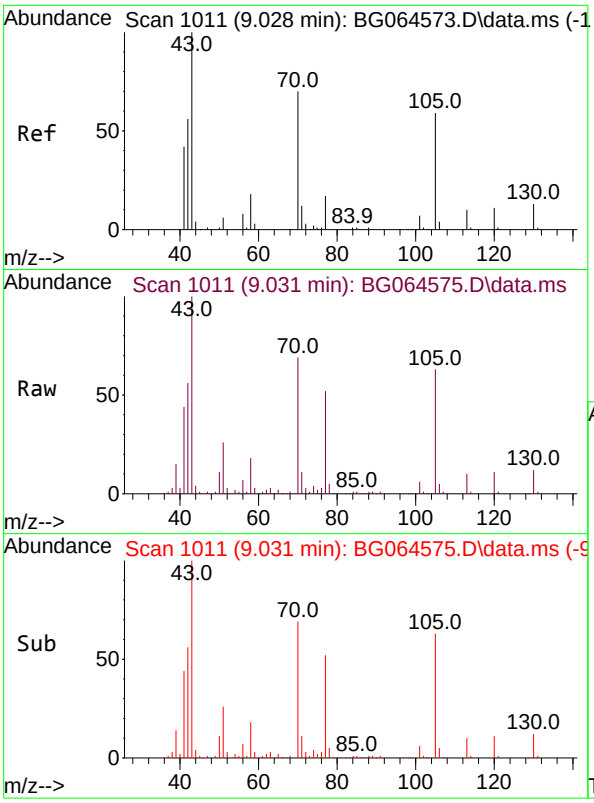


#18
Hexachloroethane
Concen: 75.469 ng
RT: 9.325 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:117 Resp: 87876

Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.4	113.2
201	122.1	99.2	148.8

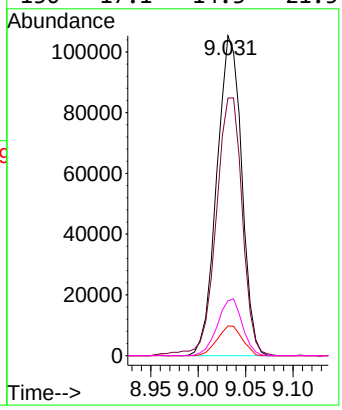




#19
n-Nitroso-di-n-propylamine
Concen: 74.804 ng
RT: 9.031 min Scan# 10
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 70 Resp: 19215

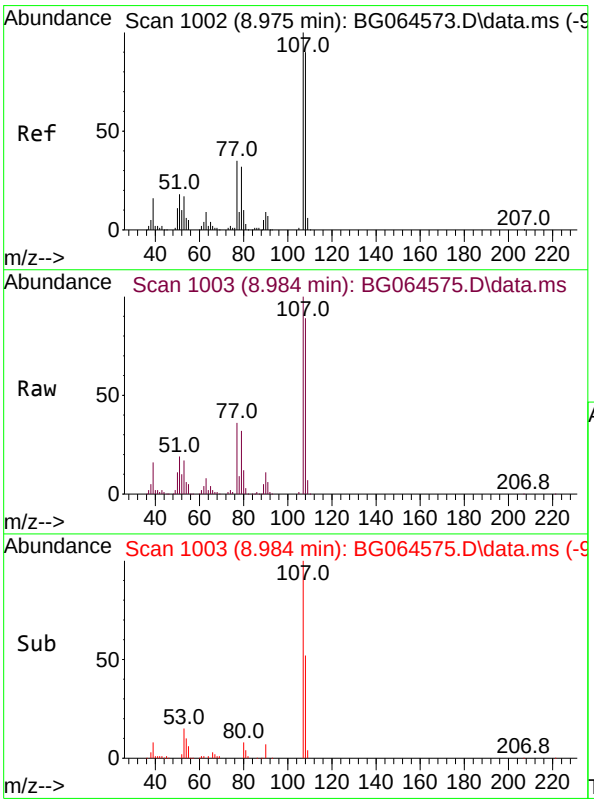
Ion	Ratio	Lower	Upper
70	100		
42	80.5	65.2	97.8
101	9.3	7.9	11.9
130	17.1	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

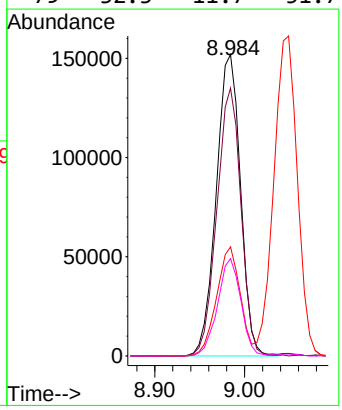
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

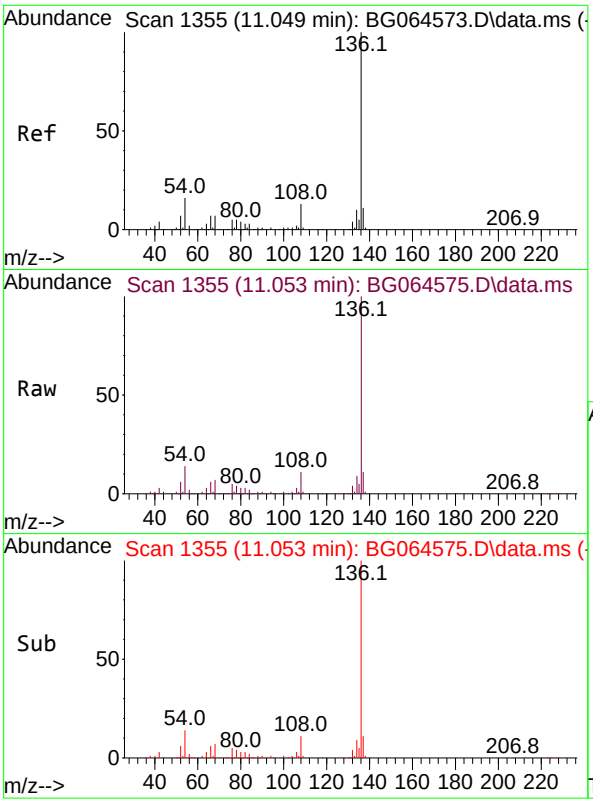


#20
3+4-Methylphenols
Concen: 74.434 ng
RT: 8.984 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 285690

Ion	Ratio	Lower	Upper
107	100		
108	88.9	70.3	110.3
77	36.2	14.6	54.6
79	32.3	11.7	51.7

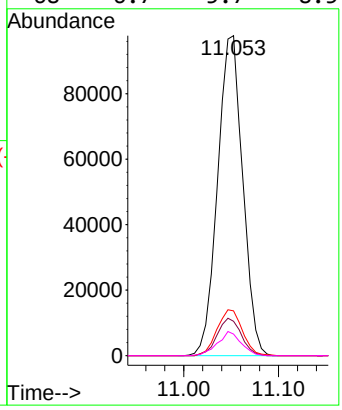




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.053 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:136 Resp: 179569

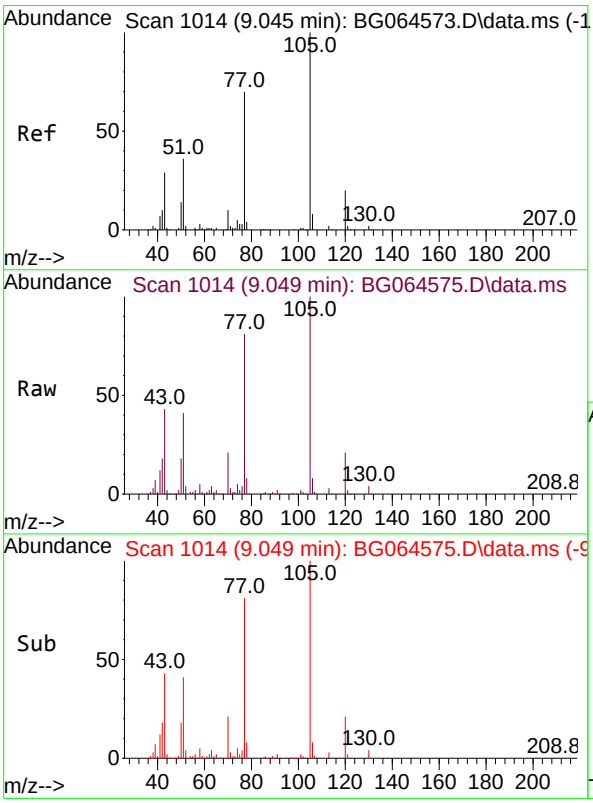
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.2	13.8
54	14.0	12.6	19.0
68	6.7	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

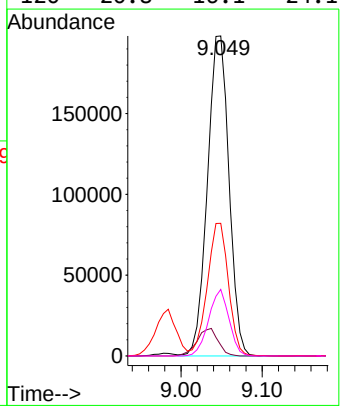
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

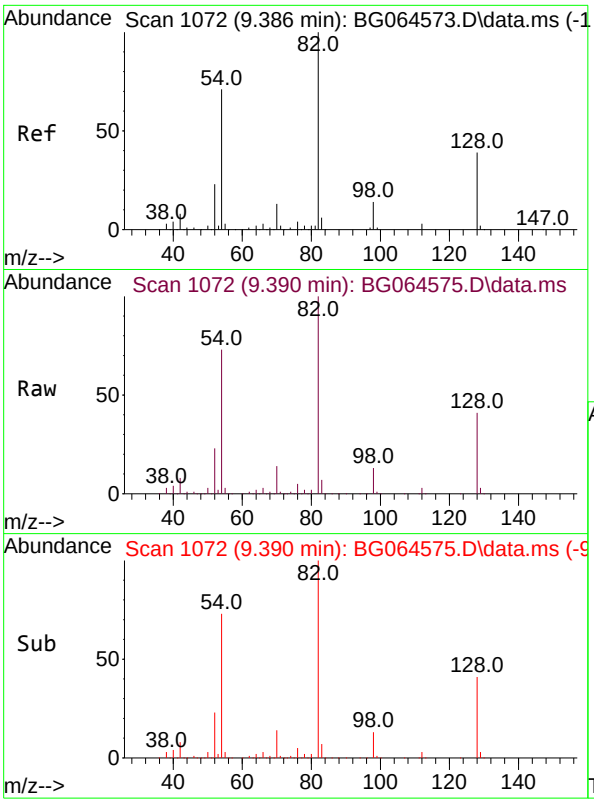


#22
Acetophenone
Concen: 74.412 ng
RT: 9.049 min Scan# 1014
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:105 Resp: 365265

Ion	Ratio	Lower	Upper
105	100		
71	3.4	1.5	2.3#
51	41.4	33.7	50.5
120	20.8	16.1	24.1

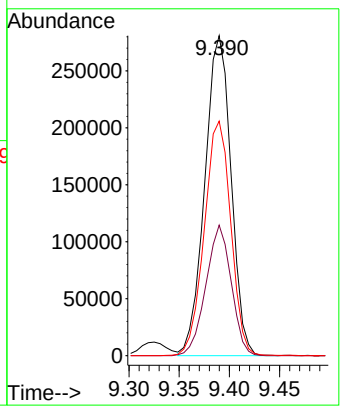




#23
Nitrobenzene-d5
Concen: 171.034 ng
RT: 9.390 min Scan# 10
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 511341

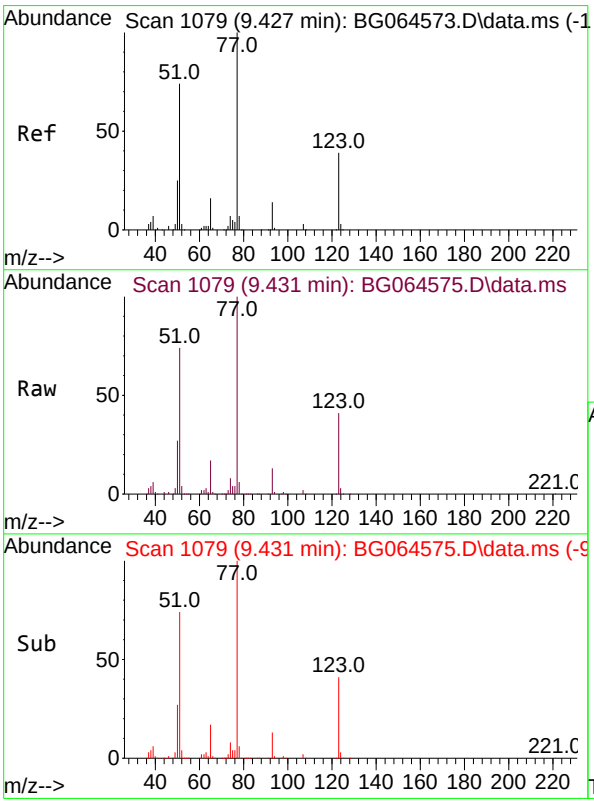
Ion	Ratio	Lower	Upper
82	100		
128	40.8	31.3	46.9
54	73.3	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

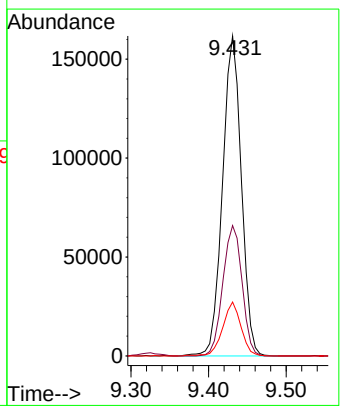
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

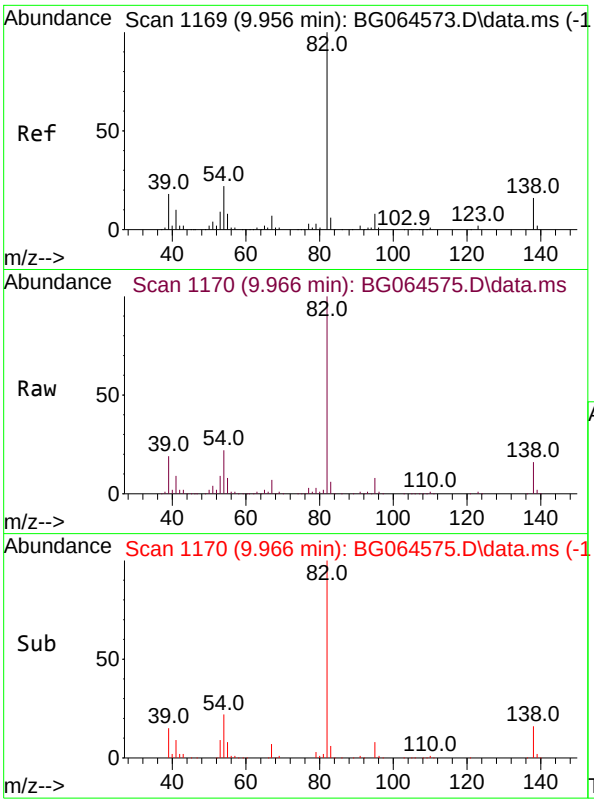


#24
Nitrobenzene
Concen: 84.025 ng
RT: 9.431 min Scan# 1079
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 273231

Ion	Ratio	Lower	Upper
77	100		
123	40.7	31.0	46.6
65	16.8	12.7	19.1

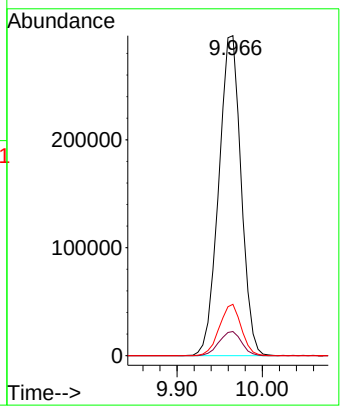




#25
Isophorone
Concen: 75.150 ng
RT: 9.966 min Scan# 11
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 82 Resp: 53912

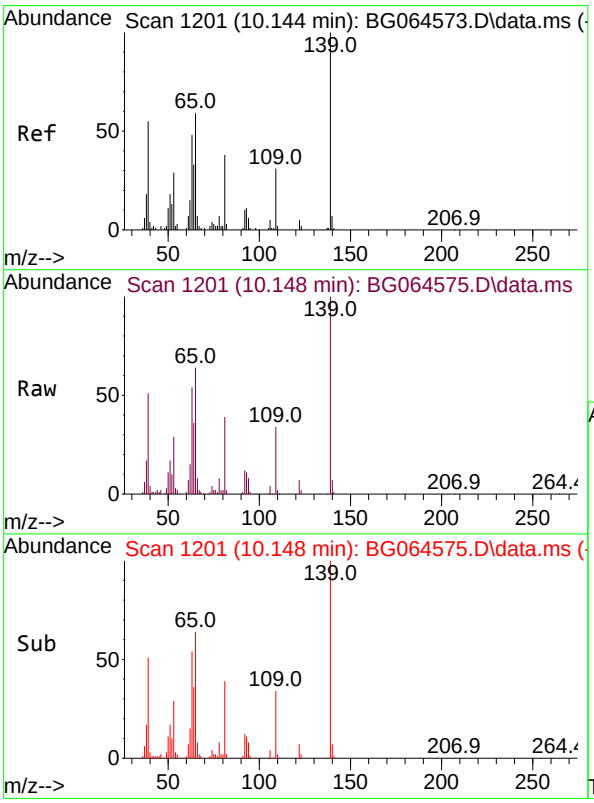
Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	16.0	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

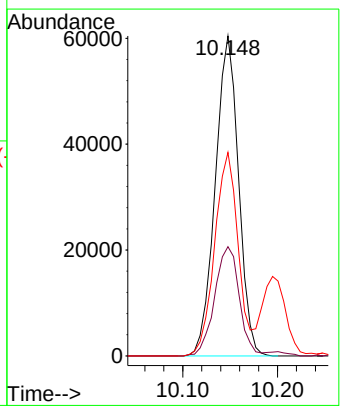
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

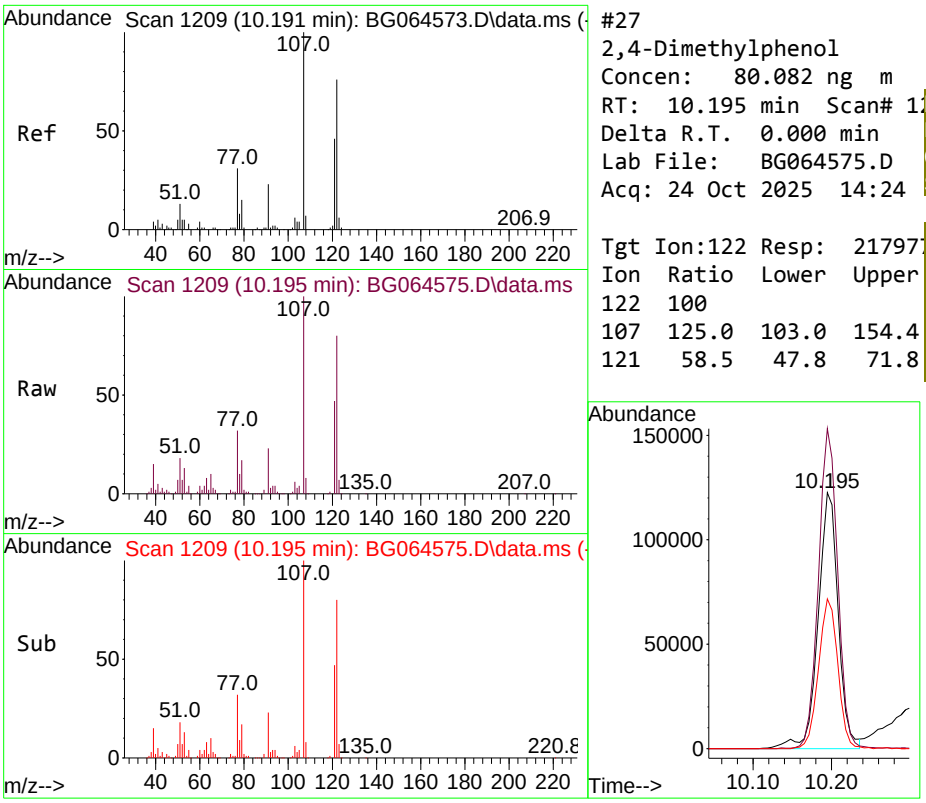


#26
2-Nitrophenol
Concen: 79.938 ng
RT: 10.148 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 103090

Ion	Ratio	Lower	Upper
139	100		
109	34.1	24.6	37.0
65	63.6	47.5	71.3





#27
2,4-Dimethylphenol
Concen: 80.082 ng m
RT: 10.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

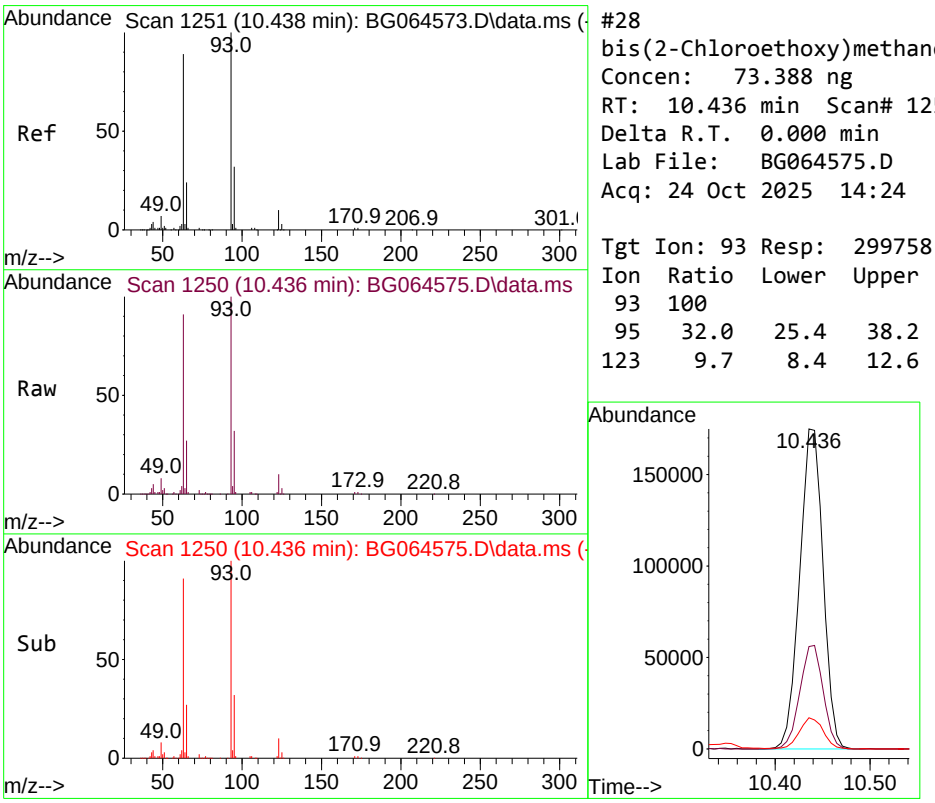
Tgt Ion:122 Resp: 21797

Ion	Ratio	Lower	Upper
122	100		
107	125.0	103.0	154.4
121	58.5	47.8	71.8

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

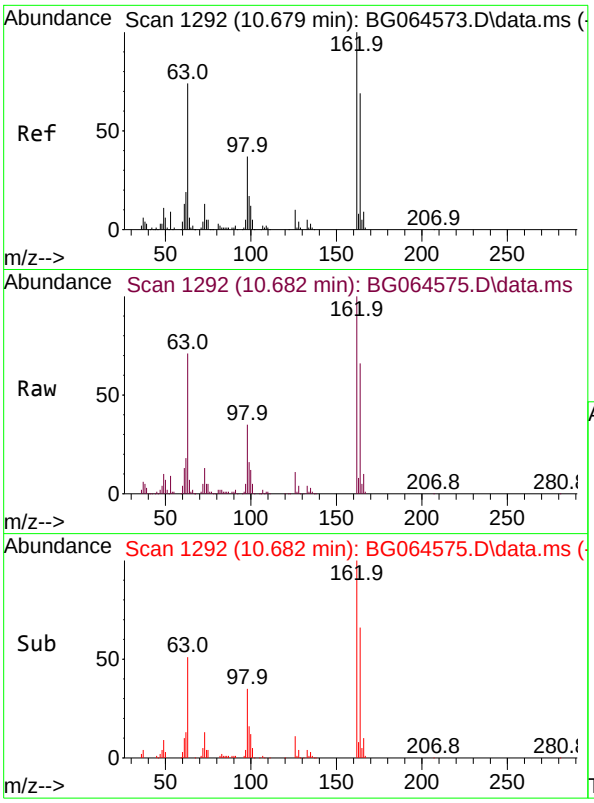
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#28
bis(2-Chloroethoxy)methane
Concen: 73.388 ng
RT: 10.436 min Scan# 1250
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 93 Resp: 299758

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.4	38.2
123	9.7	8.4	12.6



#29
2,4-Dichlorophenol
Concen: 80.526 ng
RT: 10.682 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

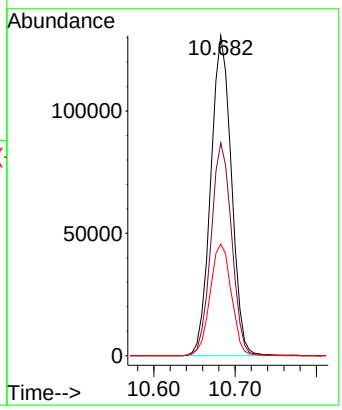
Tgt Ion:162 Resp: 23125

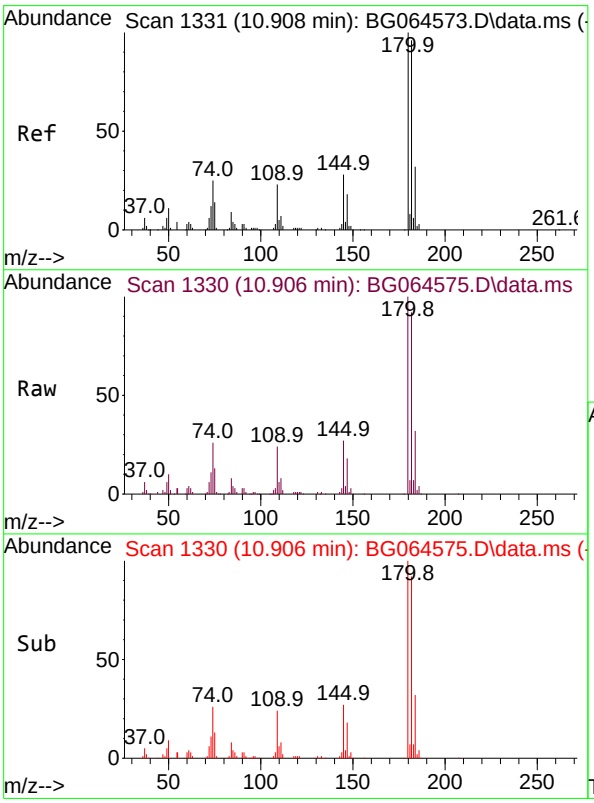
Ion	Ratio	Lower	Upper
162	100		
164	66.5	48.7	88.7
98	34.8	16.9	56.9

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

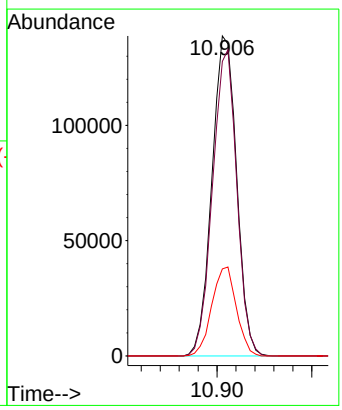


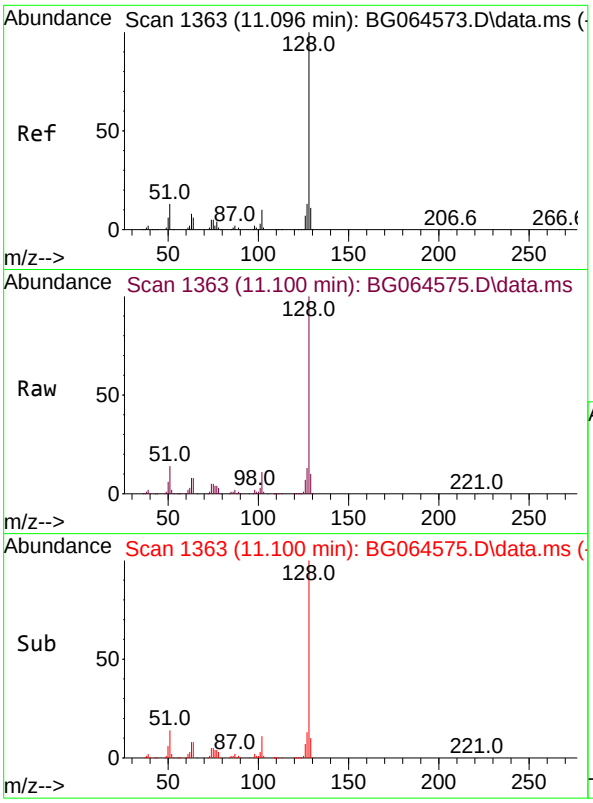


#30
1,2,4-Trichlorobenzene
Concen: 76.888 ng
RT: 10.906 min Scan# 1330
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:180 Resp: 250883

Ion	Ratio	Lower	Upper
180	100		
182	92.0	76.9	115.3
145	27.2	22.1	33.1

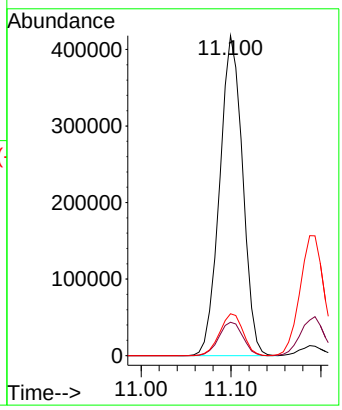




#31
Naphthalene
Concen: 74.828 ng
RT: 11.100 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:128 Resp: 74498

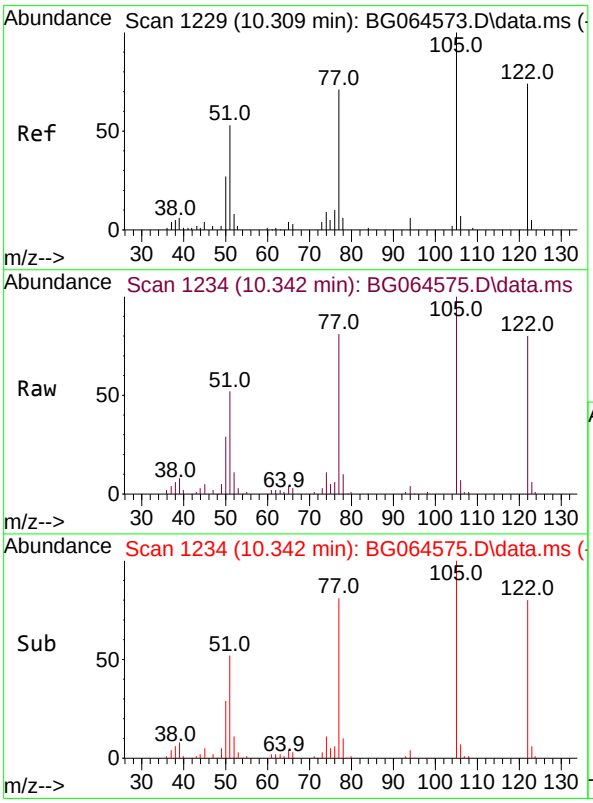
Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.1	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

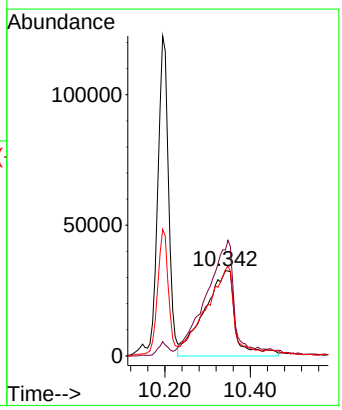
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

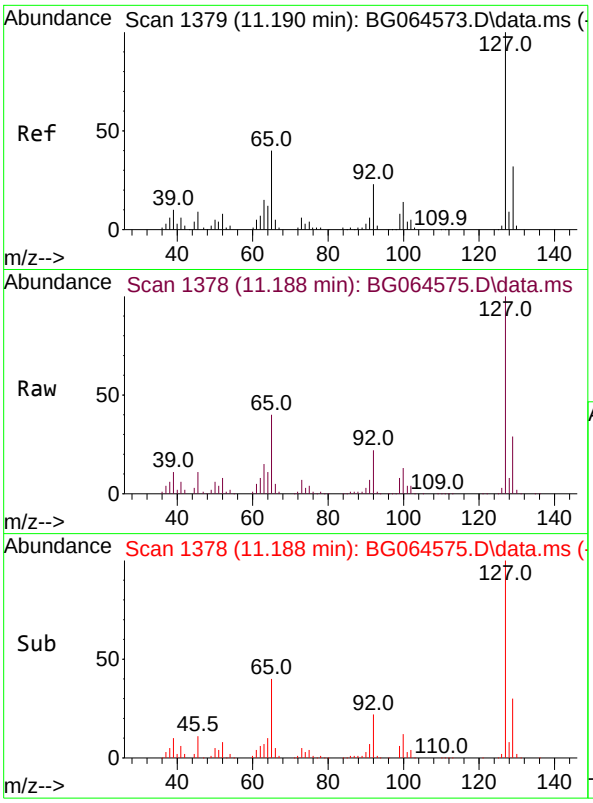


#32
Benzoic acid
Concen: 78.645 ng m
RT: 10.342 min Scan# 1234
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:122 Resp: 164443

Ion	Ratio	Lower	Upper
122	100		
105	124.4	104.2	144.2
77	100.9	70.2	110.2

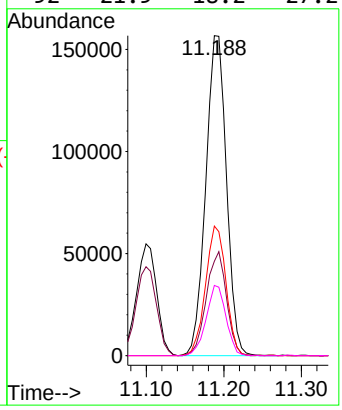




#33
4-Chloroaniline
Concen: 75.100 ng
RT: 11.188 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:127 Resp: 29061

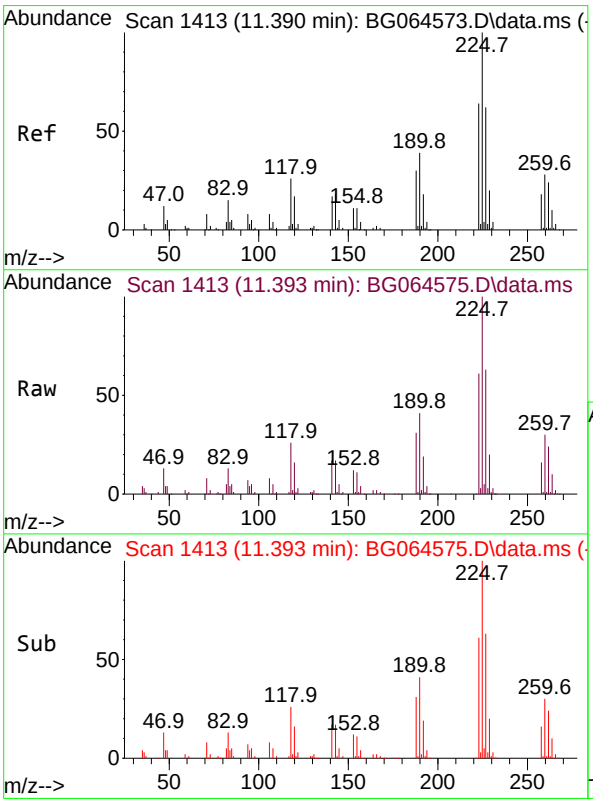
Ion	Ratio	Lower	Upper
127	100		
129	29.5	25.5	38.3
65	40.5	32.2	48.4
92	21.9	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

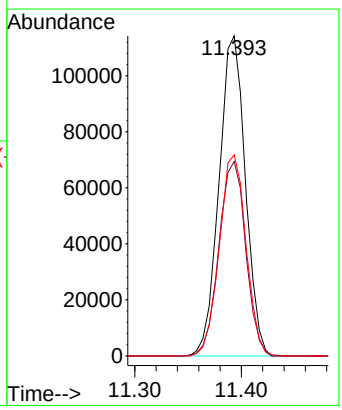
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

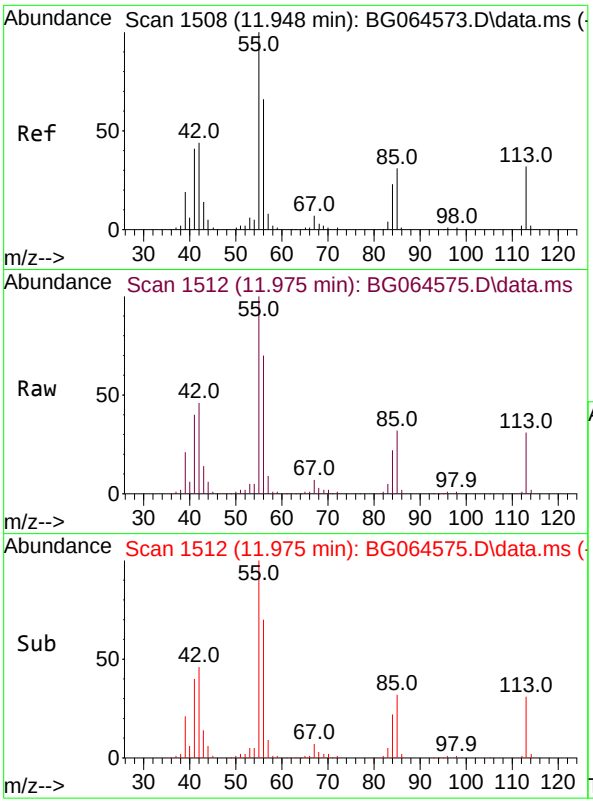


#34
Hexachlorobutadiene
Concen: 76.863 ng
RT: 11.393 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:225 Resp: 196140

Ion	Ratio	Lower	Upper
225	100		
223	60.7	48.8	73.2
227	62.8	49.5	74.3

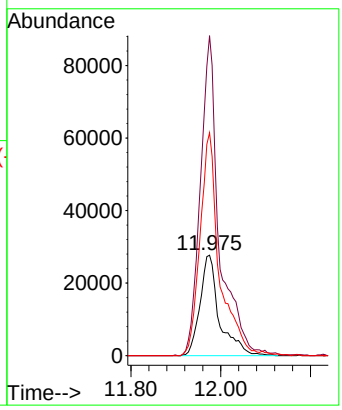




#35
Caprolactam
Concen: 75.596 ng
RT: 11.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:113 Resp: 8326

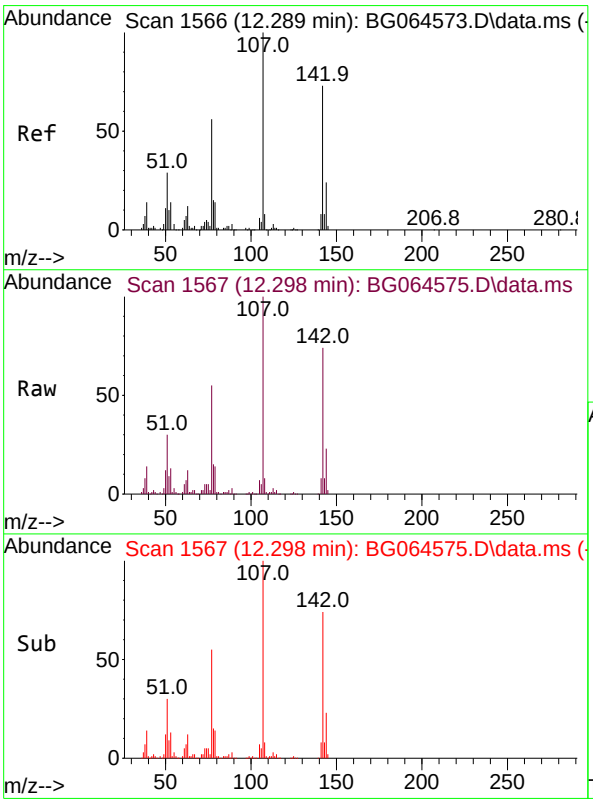
Ion	Ratio	Lower	Upper
113	100		
55	318.6	290.1	330.1
56	221.7	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

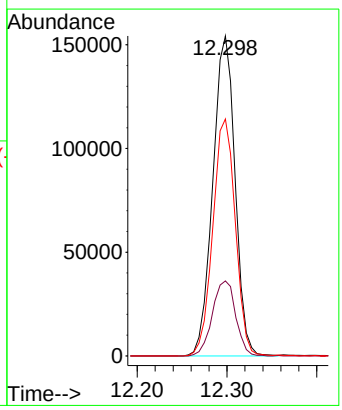
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

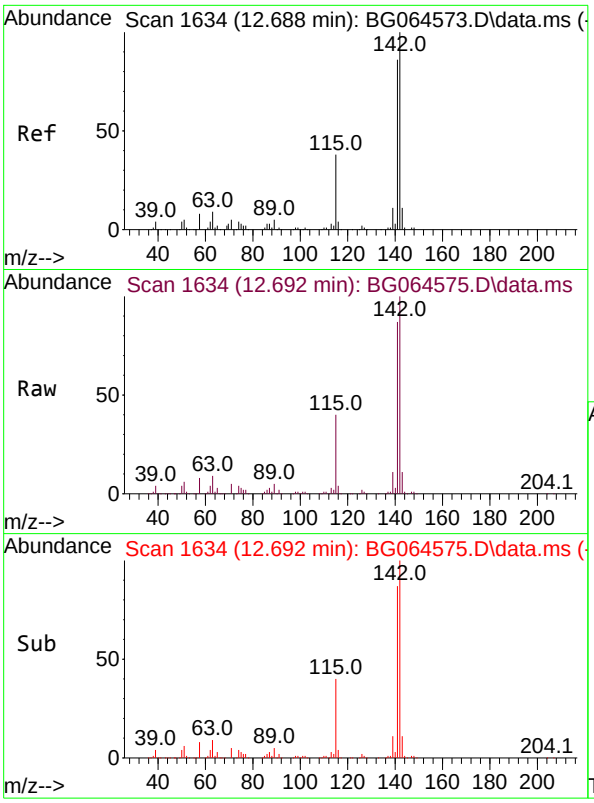


#36
4-Chloro-3-methylphenol
Concen: 77.031 ng
RT: 12.298 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:107 Resp: 265909

Ion	Ratio	Lower	Upper
107	100		
144	23.4	19.1	28.7
142	74.0	58.6	87.8

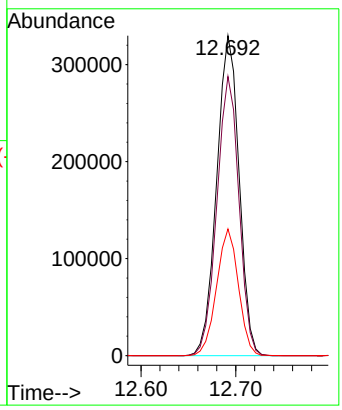




#37
2-Methylnaphthalene
Concen: 74.168 ng
RT: 12.692 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 54213

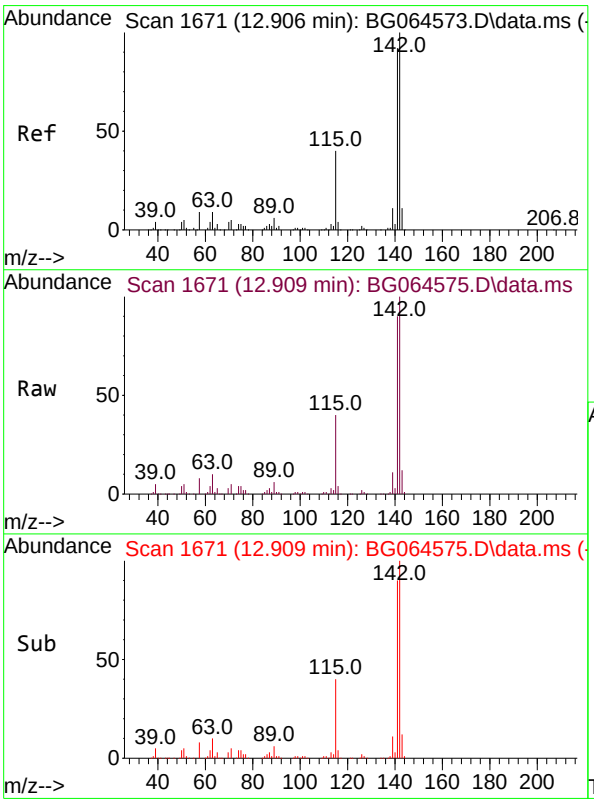
Ion	Ratio	Lower	Upper
142	100		
141	87.2	68.9	103.3
115	39.6	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

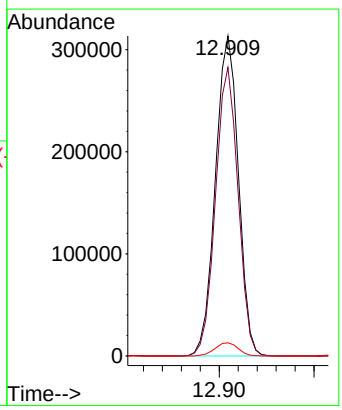
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

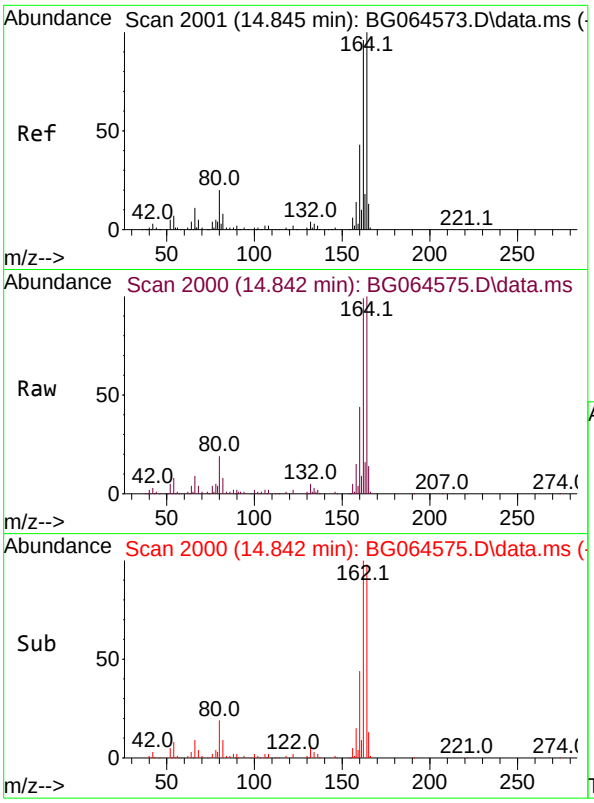


#38
1-Methylnaphthalene
Concen: 73.372 ng
RT: 12.909 min Scan# 1671
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:142 Resp: 527717

Ion	Ratio	Lower	Upper
142	100		
141	90.1	73.3	109.9
116	4.1	3.1	4.7

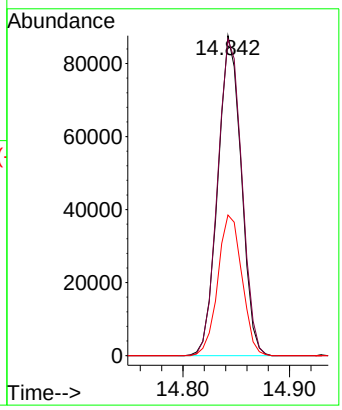




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.842 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:164 Resp: 13379

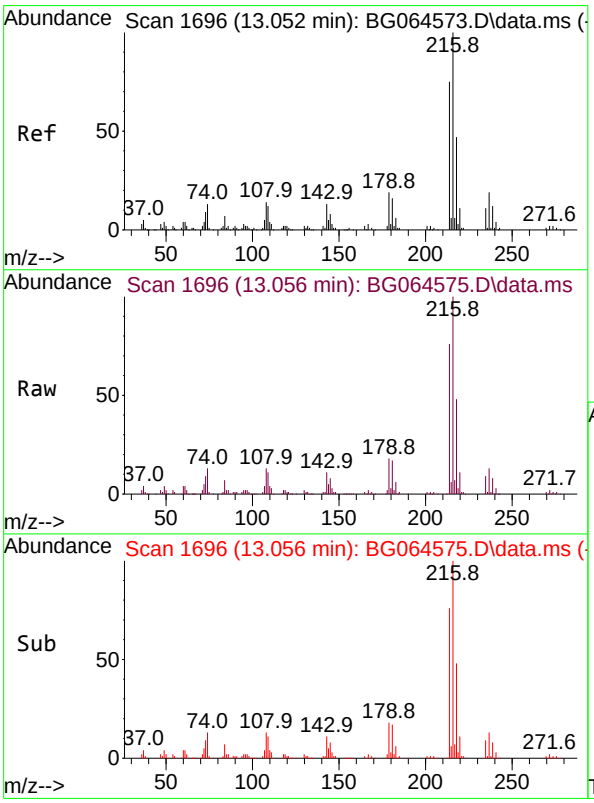
Ion	Ratio	Lower	Upper
164	100		
162	98.9	77.0	115.6
160	43.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

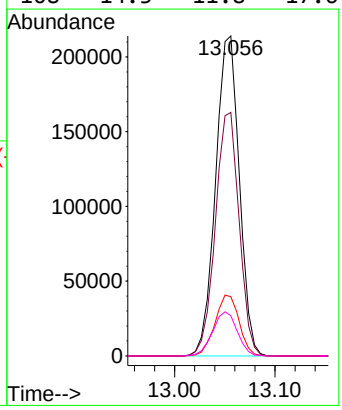
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

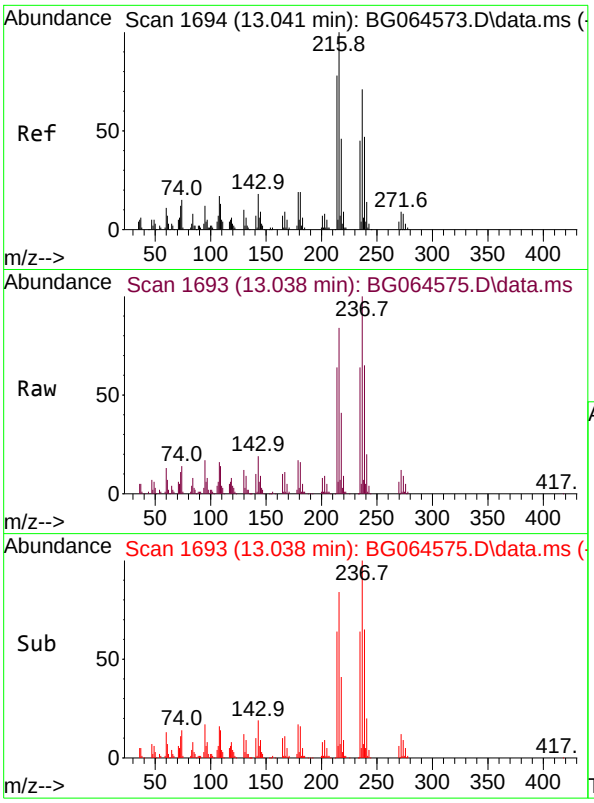


#40
1,2,4,5-Tetrachlorobenzene
Concen: 78.328 ng
RT: 13.056 min Scan# 1696
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:216 Resp: 351719

Ion	Ratio	Lower	Upper
216	100		
214	76.1	61.4	92.2
179	19.3	15.4	23.0
108	14.3	11.8	17.6

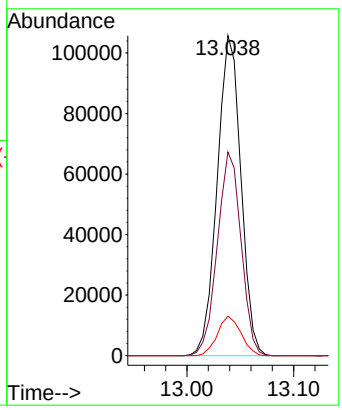




#41
Hexachlorocyclopentadiene
Concen: 80.876 ng
RT: 13.038 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:237 Resp: 16346

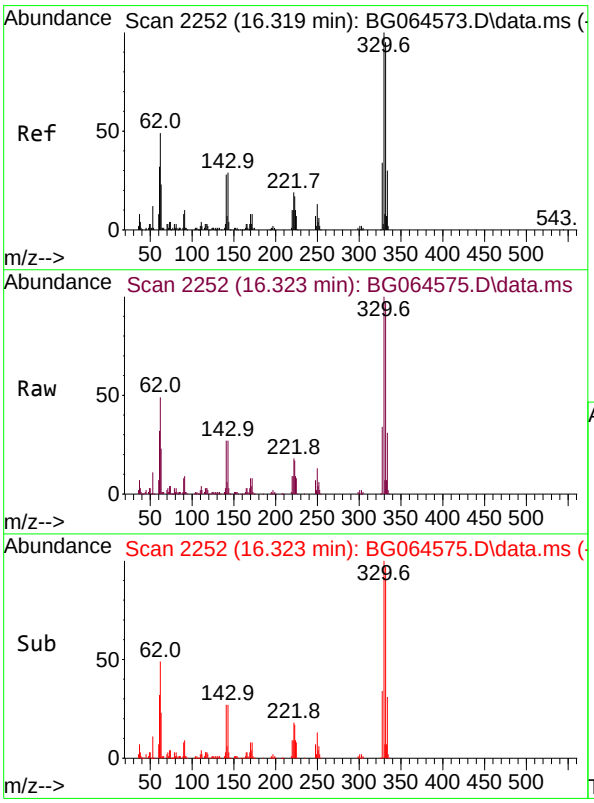
Ion	Ratio	Lower	Upper
237	100		
235	63.6	44.1	84.1
272	12.3	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

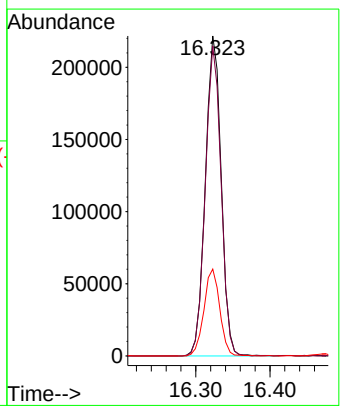
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

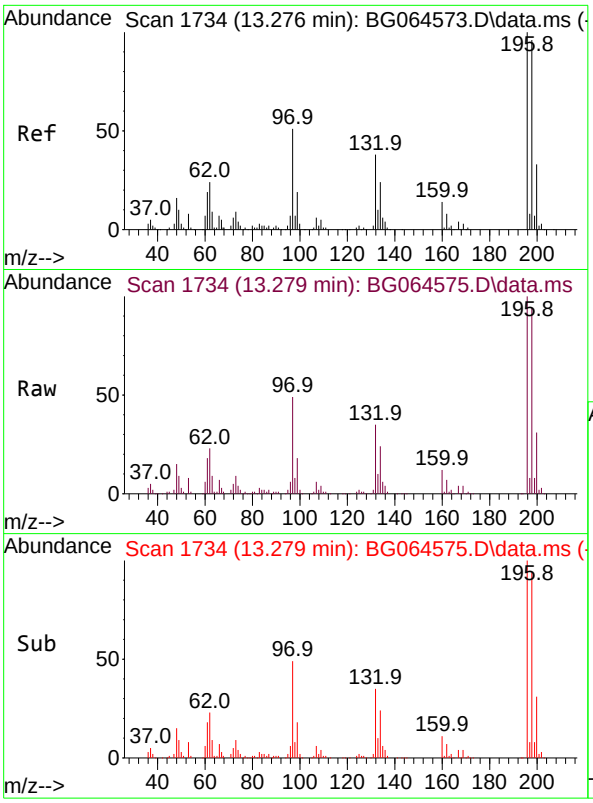


#42
2,4,6-Tribromophenol
Concen: 169.886 ng
RT: 16.323 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:330 Resp: 328066

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	27.1	21.8	32.6

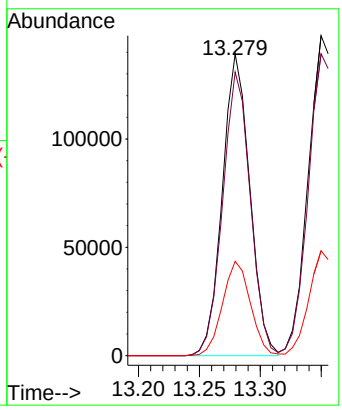




#43
2,4,6-Trichlorophenol
Concen: 84.998 ng
RT: 13.279 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 21831

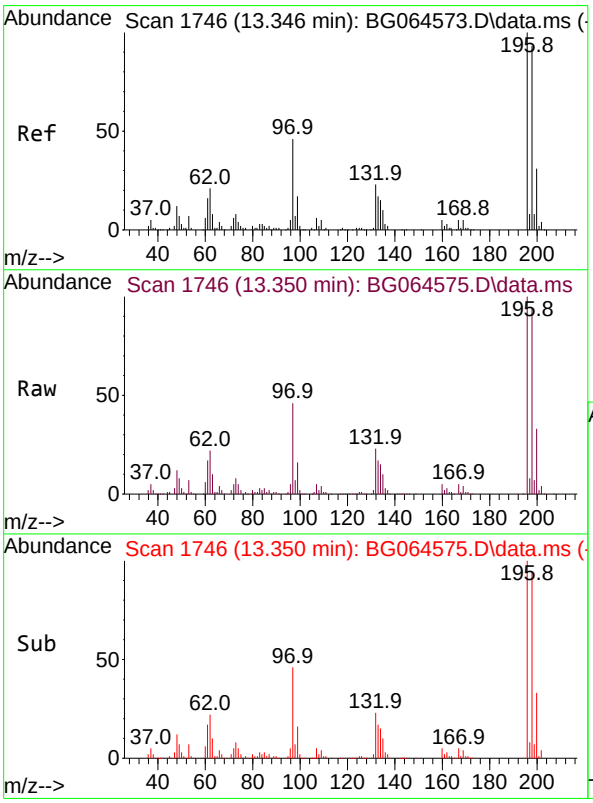
Ion	Ratio	Lower	Upper
196	100		
198	94.0	76.6	115.0
200	31.2	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

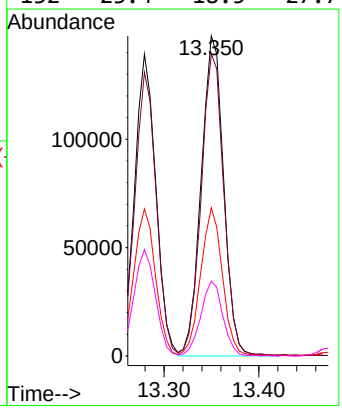
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

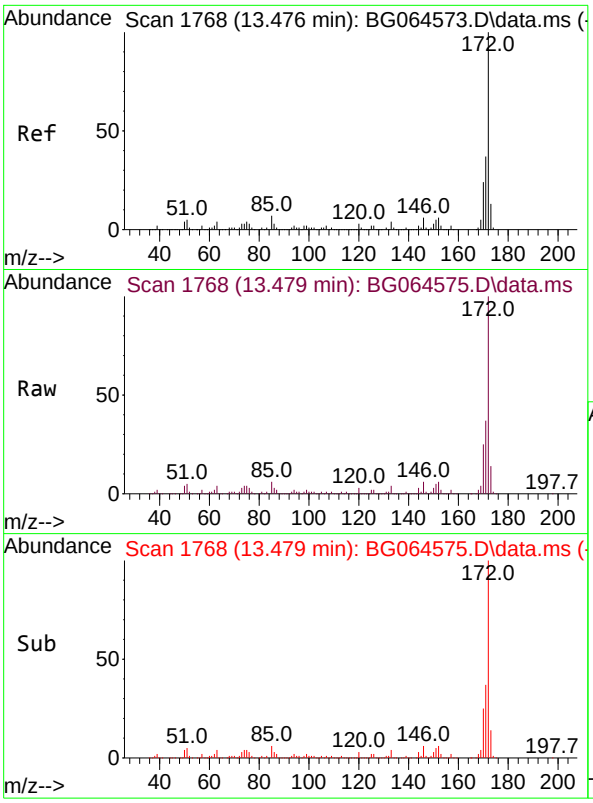


#44
2,4,5-Trichlorophenol
Concen: 82.064 ng
RT: 13.350 min Scan# 1746
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:196 Resp: 243241

Ion	Ratio	Lower	Upper
196	100		
198	94.3	74.2	111.4
97	46.3	37.0	55.6
132	23.4	18.5	27.7

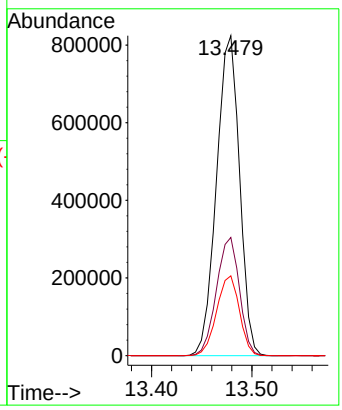




#45
2-Fluorobiphenyl
Concen: 148.960 ng
RT: 13.479 min Scan# 1
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:172 Resp: 131489

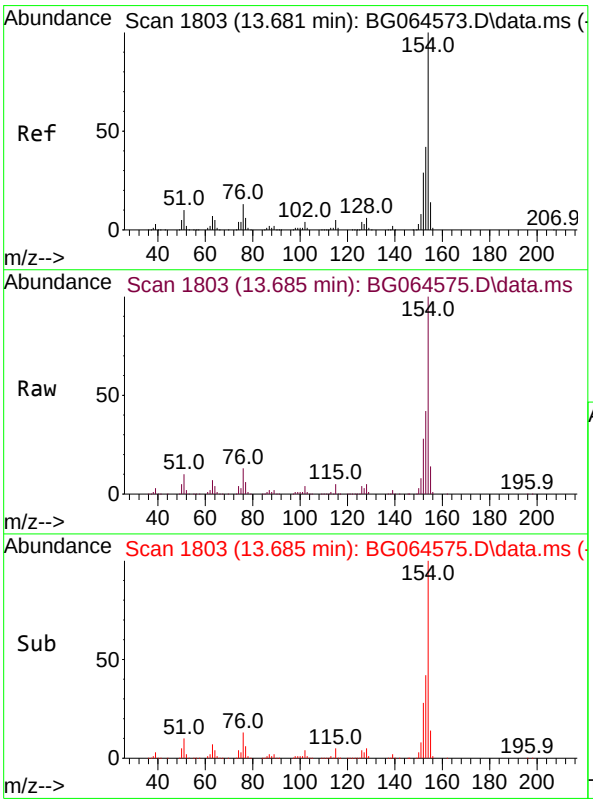
Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.4	44.0
170	24.9	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

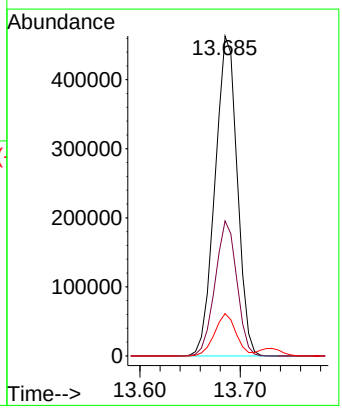
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

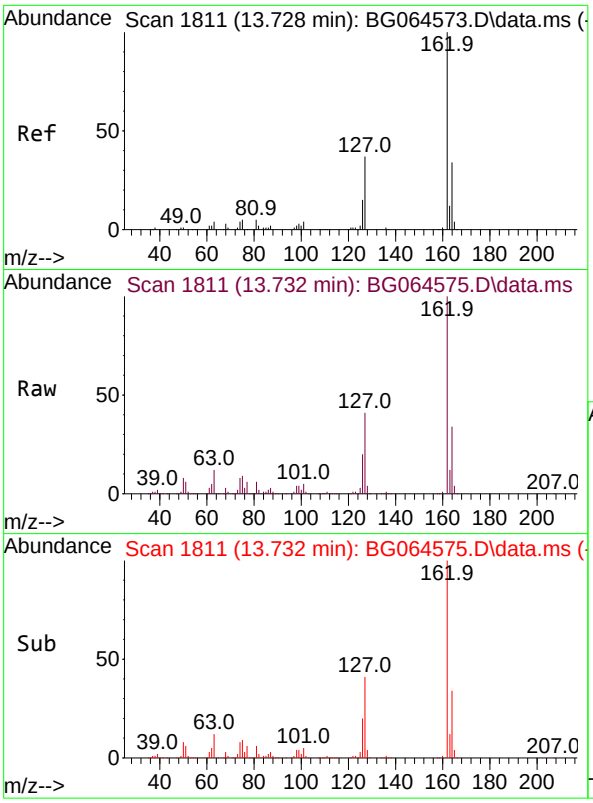


#46
1,1'-Biphenyl
Concen: 74.977 ng
RT: 13.685 min Scan# 1803
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 713186

Ion	Ratio	Lower	Upper
154	100		
153	42.2	22.4	62.4
76	13.2	0.0	33.5

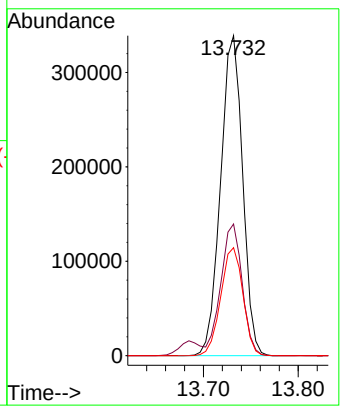




#47
2-Chloronaphthalene
Concen: 76.218 ng
RT: 13.732 min Scan# 18
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:162 Resp: 54724

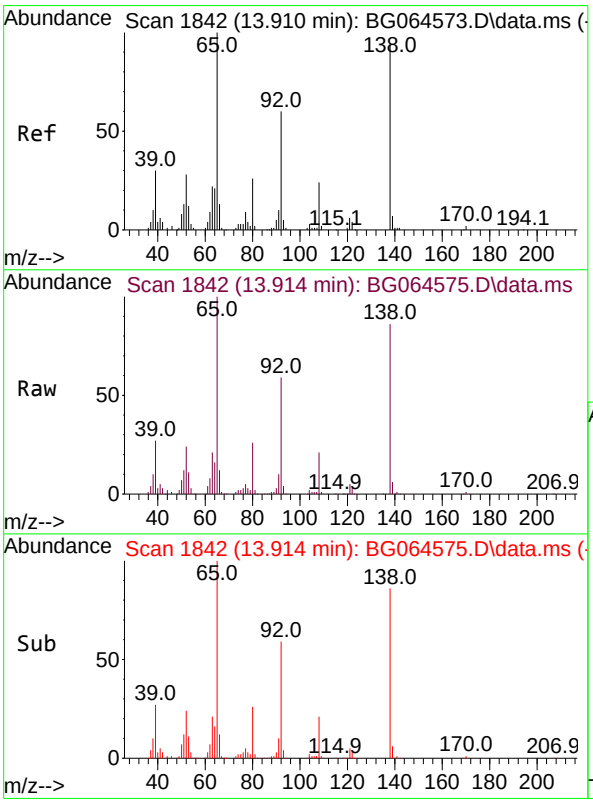
Ion	Ratio	Lower	Upper
162	100		
127	41.1	32.2	48.2
164	33.7	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

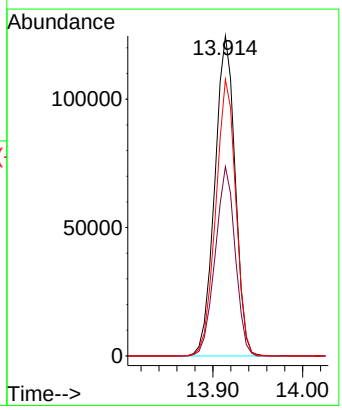
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

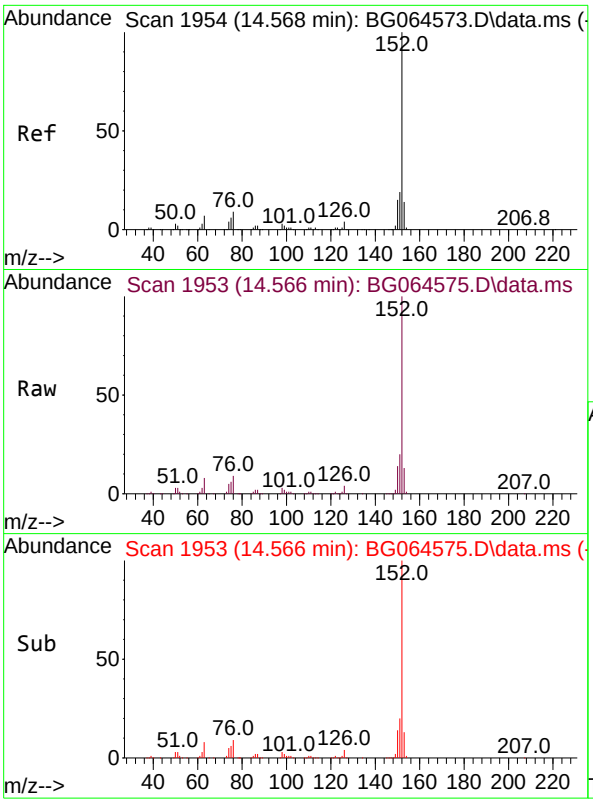


#48
2-Nitroaniline
Concen: 79.301 ng
RT: 13.914 min Scan# 1842
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 65 Resp: 196580

Ion	Ratio	Lower	Upper
65	100		
92	59.1	48.3	72.5
138	86.4	74.9	112.3

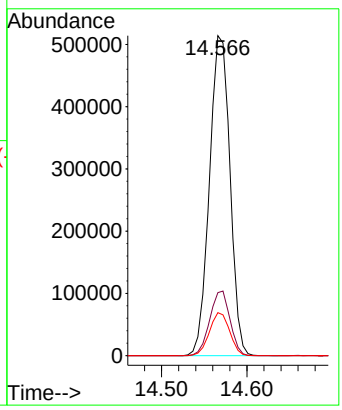




#49
Acenaphthylene
Concen: 75.806 ng
RT: 14.566 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:152 Resp: 858511

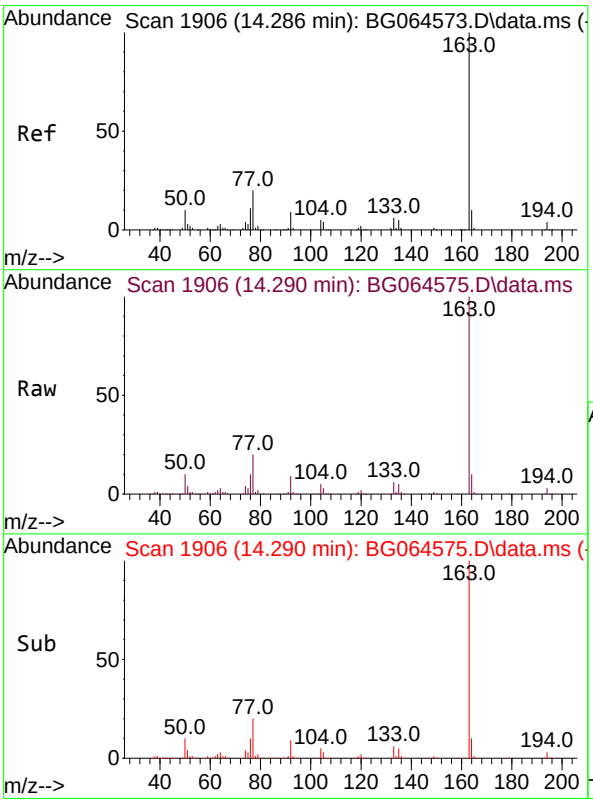
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.4	23.2
153	13.5	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

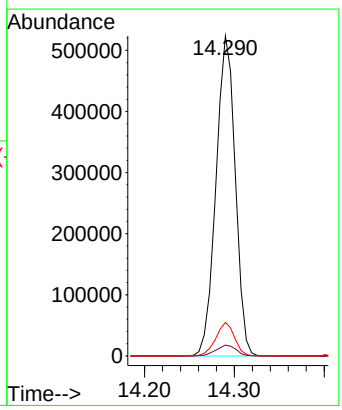
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

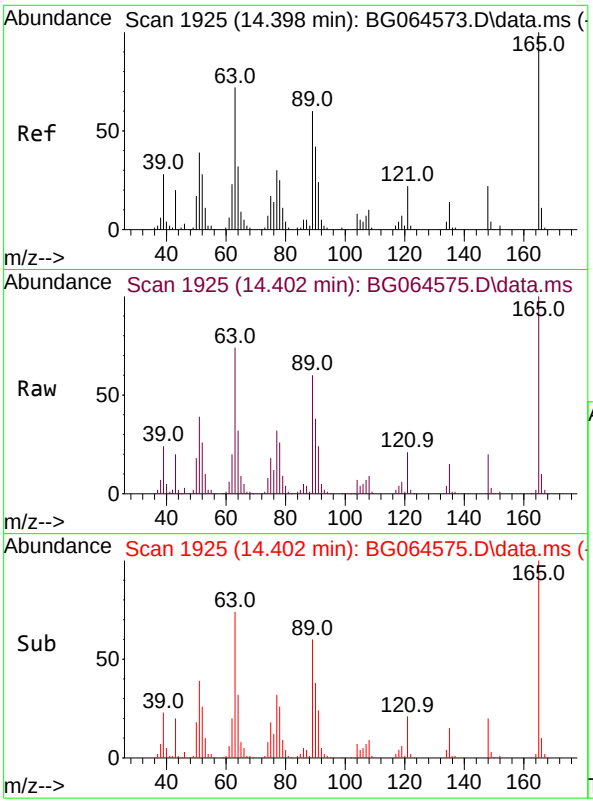


#50
Dimethylphthalate
Concen: 76.450 ng
RT: 14.290 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:163 Resp: 782708

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	10.5	7.7	11.5

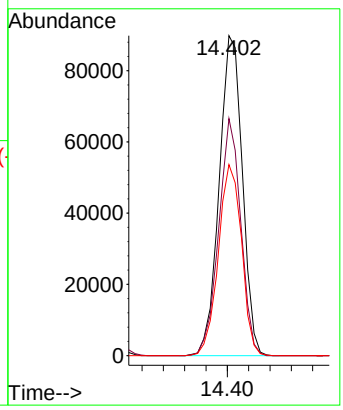




#51
2,6-Dinitrotoluene
Concen: 78.216 ng
RT: 14.402 min Scan# 19
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 135769

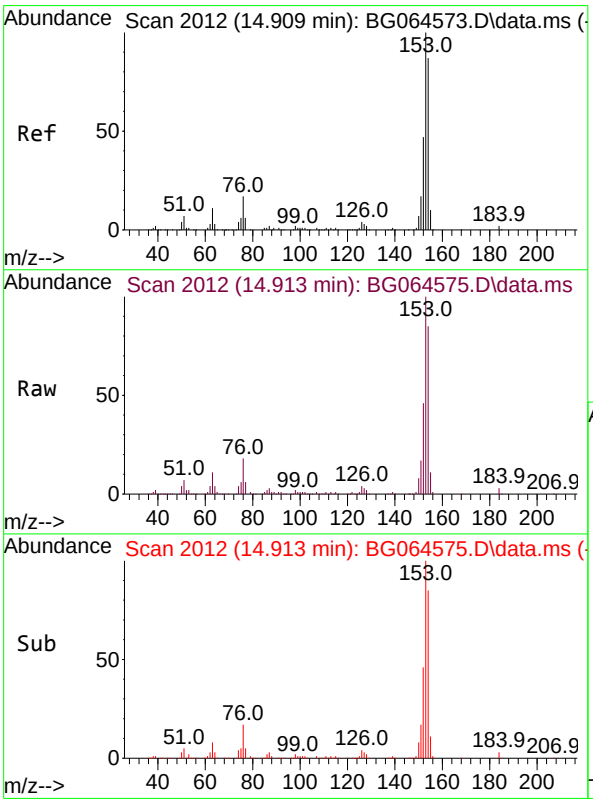
Ion	Ratio	Lower	Upper
165	100		
63	74.1	57.4	86.0
89	59.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

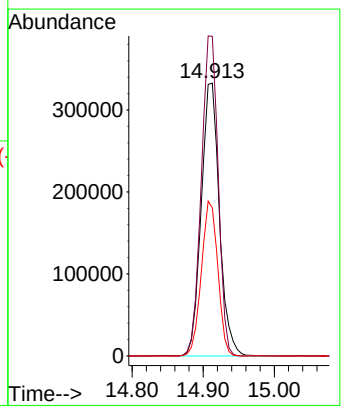
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

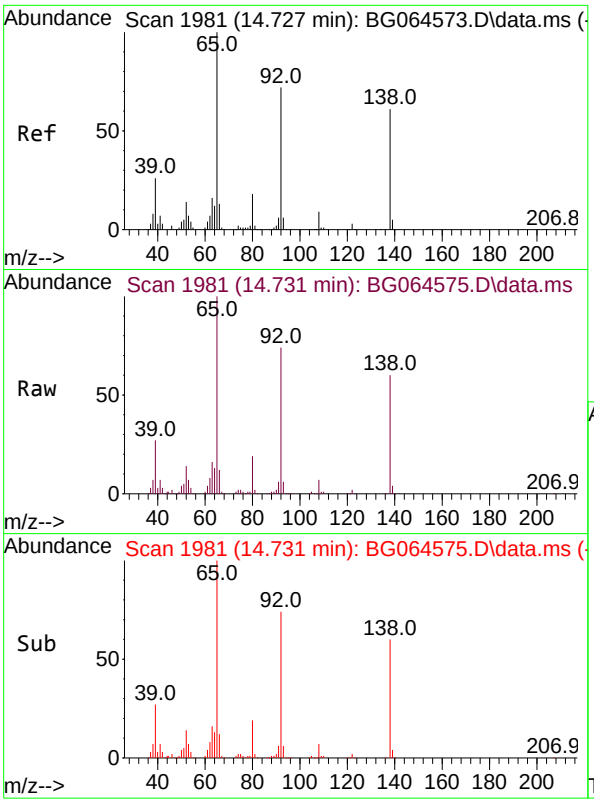


#52
Acenaphthene
Concen: 76.150 ng
RT: 14.913 min Scan# 2012
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:154 Resp: 589213

Ion	Ratio	Lower	Upper
154	100		
153	117.2	92.2	138.4
152	54.2	43.2	64.8

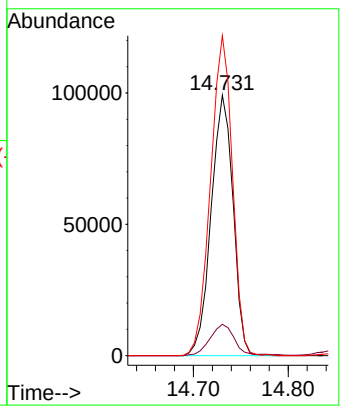




#53
3-Nitroaniline
Concen: 90.409 ng
RT: 14.731 min Scan# 19
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 15907

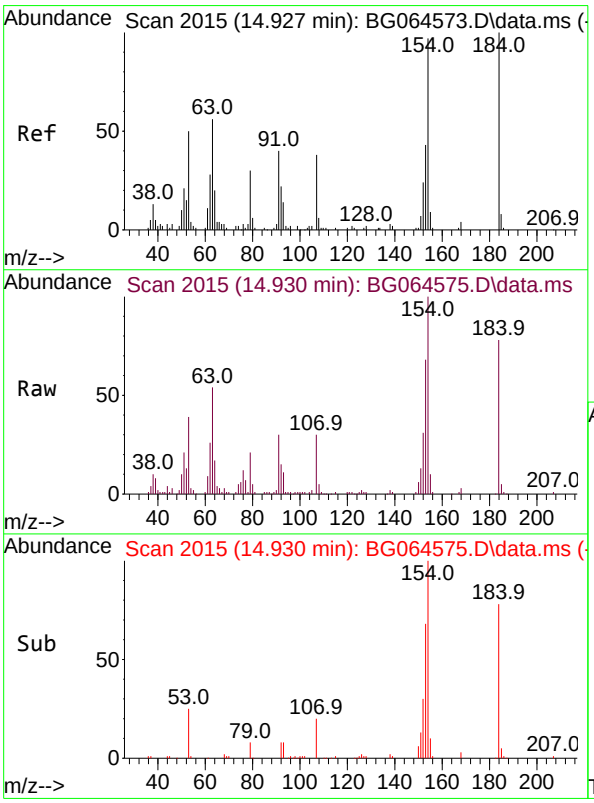
Ion	Ratio	Lower	Upper
138	100		
108	12.0	11.4	17.0
92	122.9	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

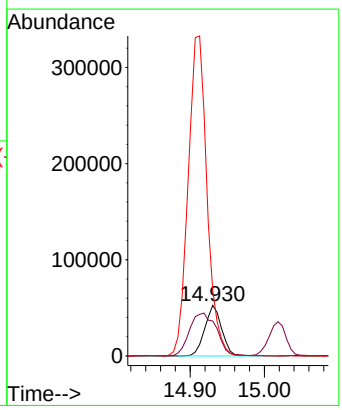
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

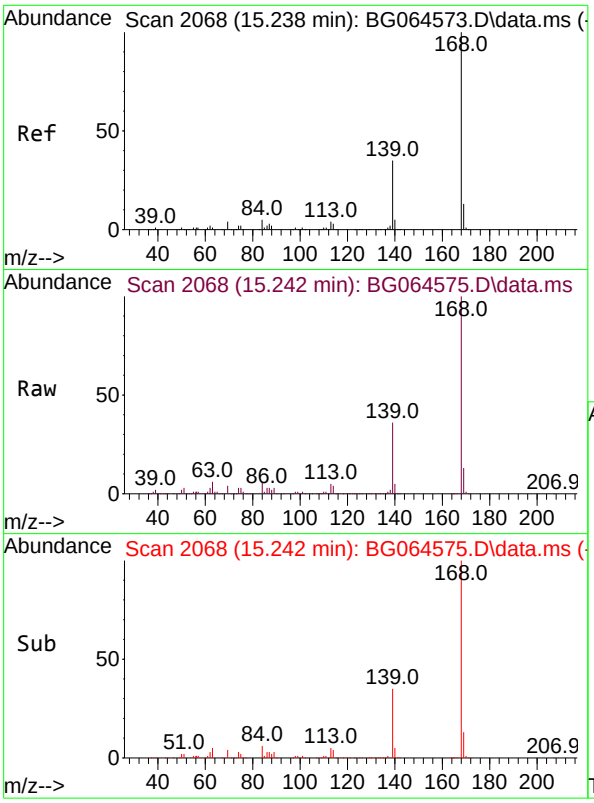


#54
2,4-Dinitrophenol
Concen: 79.755 ng
RT: 14.930 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 82655

Ion	Ratio	Lower	Upper
184	100		
63	69.0	56.6	85.0
154	128.4	158.6	238.0#

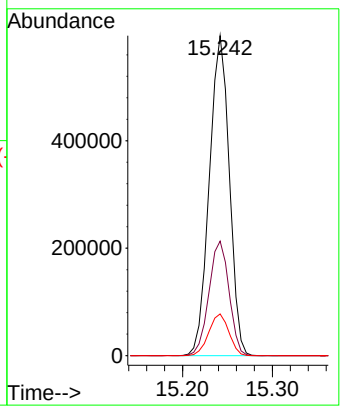




#55
Dibenzofuran
Concen: 73.816 ng
RT: 15.242 min Scan# 20
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:168 Resp: 92338

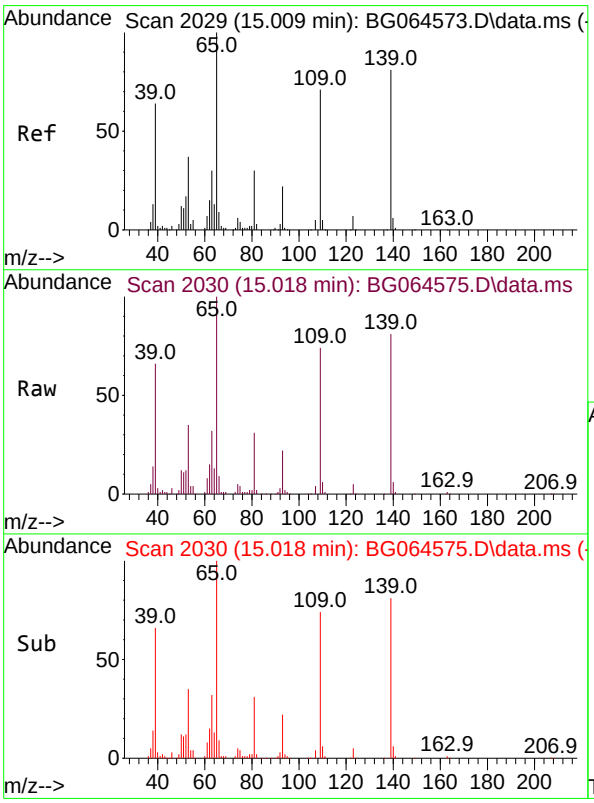
Ion	Ratio	Lower	Upper
168	100		
139	35.8	27.8	41.8
169	13.0	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

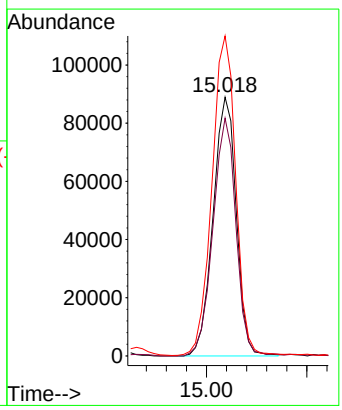
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

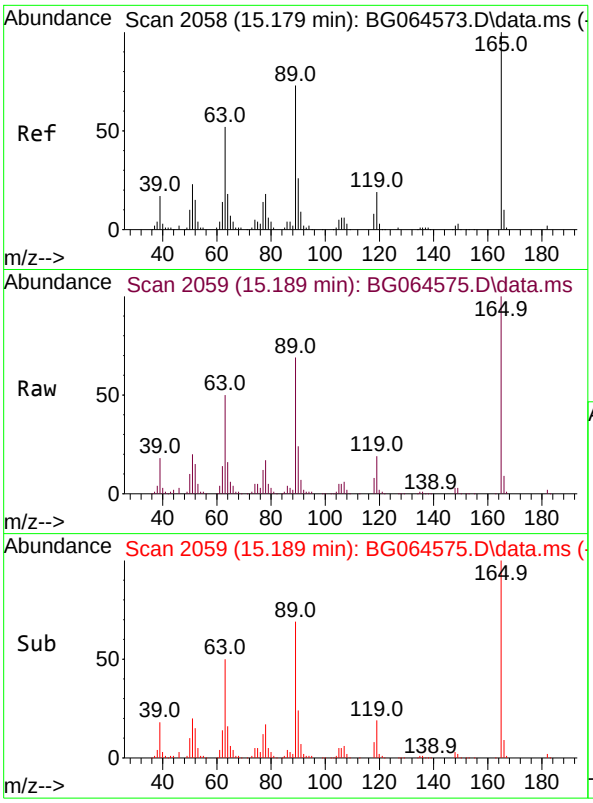


#56
4-Nitrophenol
Concen: 87.640 ng
RT: 15.018 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:139 Resp: 142966

Ion	Ratio	Lower	Upper
139	100		
109	91.9	67.8	107.8
65	123.7	103.7	143.7

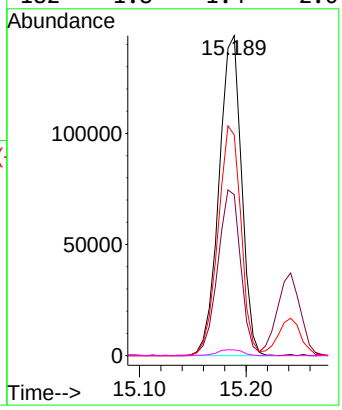




#57
2,4-Dinitrotoluene
Concen: 79.117 ng
RT: 15.189 min Scan# 2
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:165 Resp: 21216

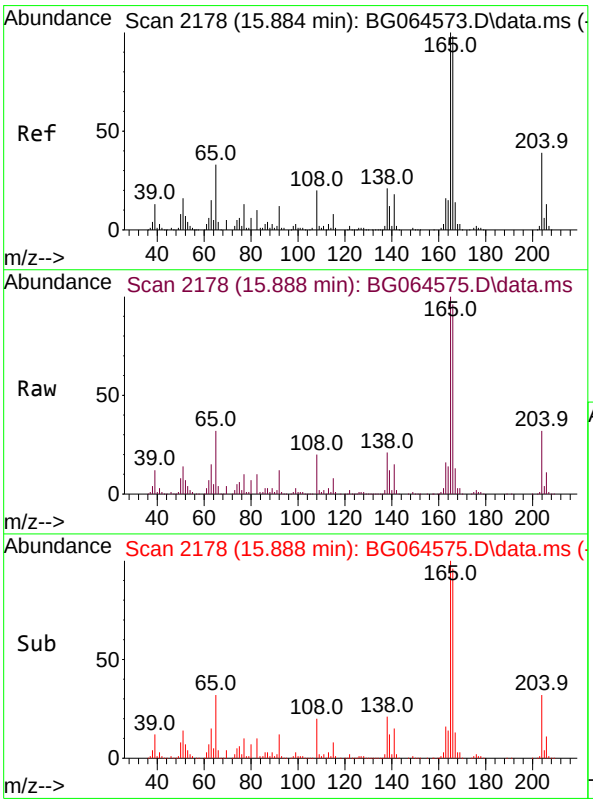
Ion	Ratio	Lower	Upper
165	100		
63	50.3	41.8	62.8
89	69.0	58.1	87.1
182	1.8	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

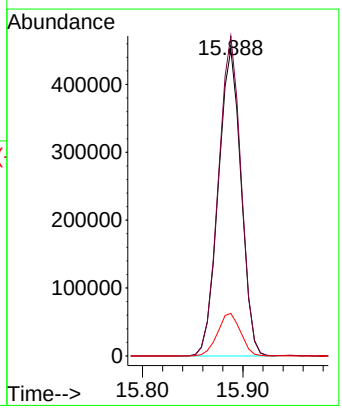
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

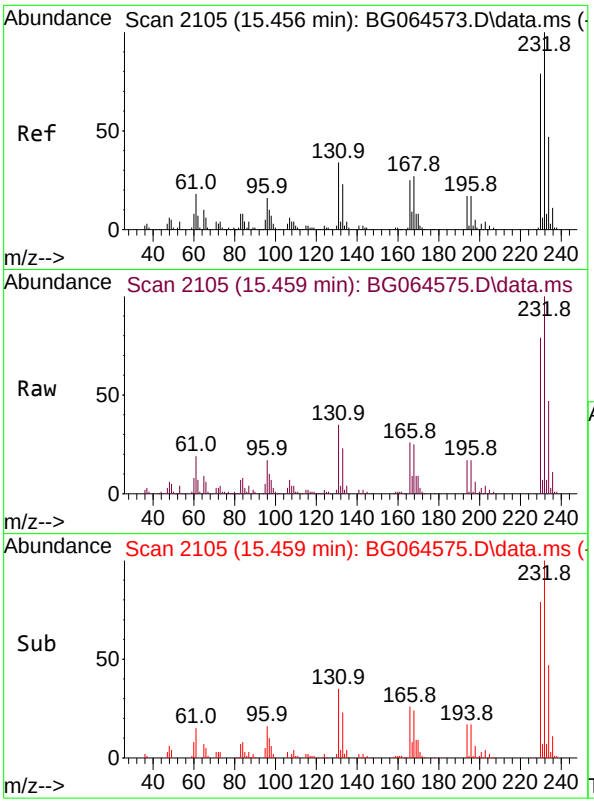


#58
Fluorene
Concen: 72.801 ng
RT: 15.888 min Scan# 2178
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:166 Resp: 711212

Ion	Ratio	Lower	Upper
166	100		
165	104.4	81.5	122.3
167	13.8	11.4	17.0

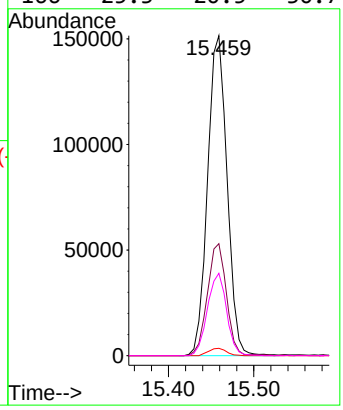




#59
2,3,4,6-Tetrachlorophenol
Concen: 84.708 ng
RT: 15.459 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:232 Resp: 240094

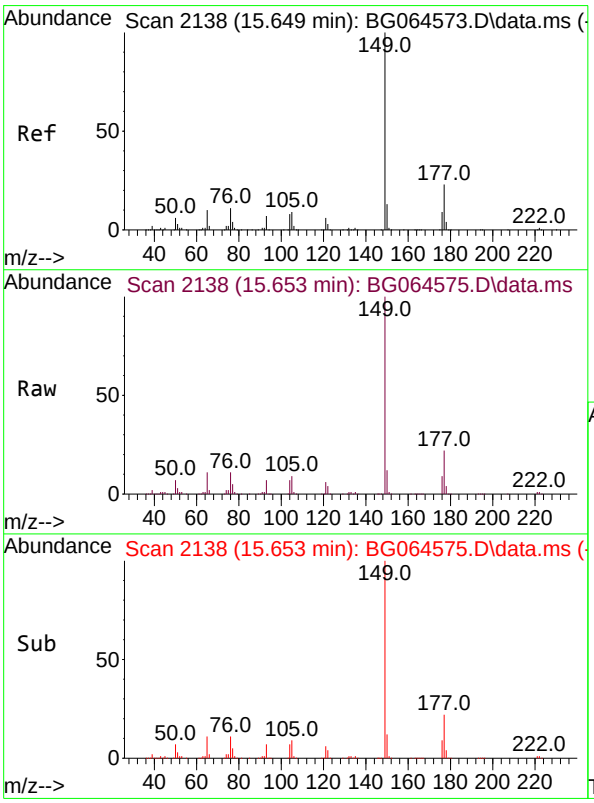
Ion	Ratio	Lower	Upper
232	100		
131	34.1	26.7	40.1
130	2.1	1.6	2.4
166	25.3	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

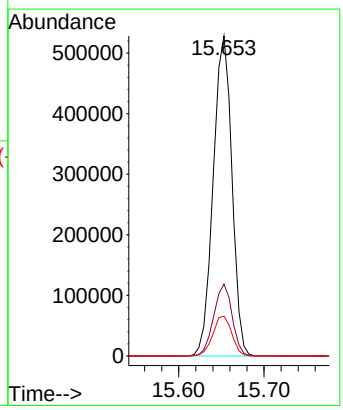
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

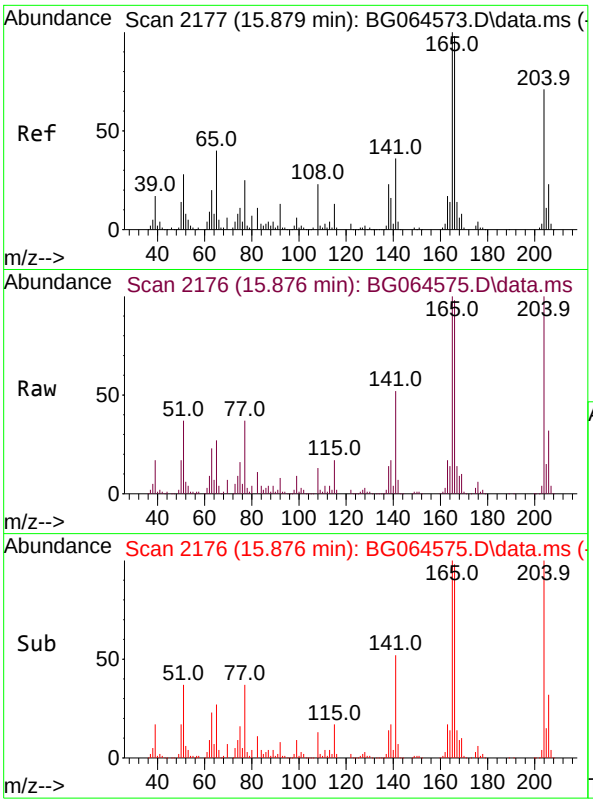


#60
Diethylphthalate
Concen: 76.874 ng
RT: 15.653 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 803621

Ion	Ratio	Lower	Upper
149	100		
177	22.4	18.0	27.0
150	12.4	10.2	15.4

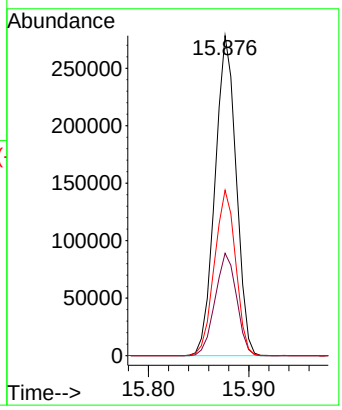




#61
4-Chlorophenyl-phenylether
Concen: 74.463 ng
RT: 15.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:204 Resp: 40823

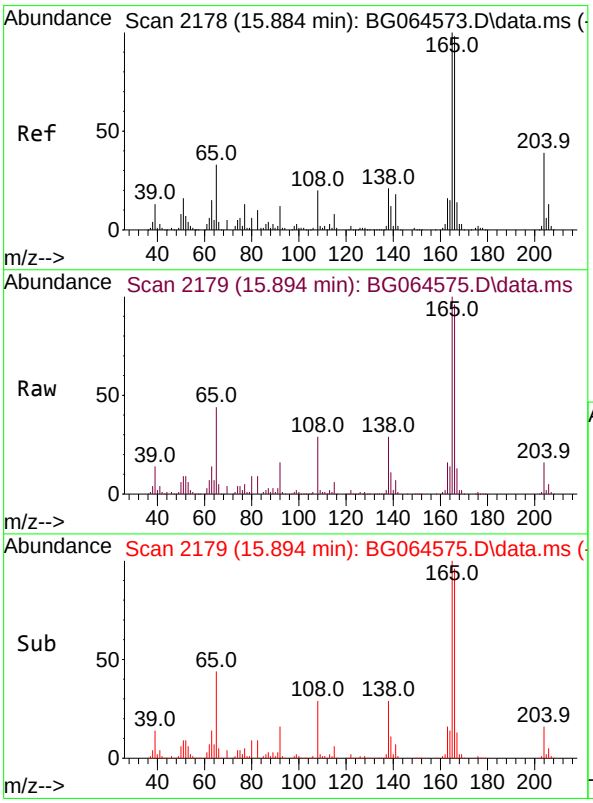
Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.7	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

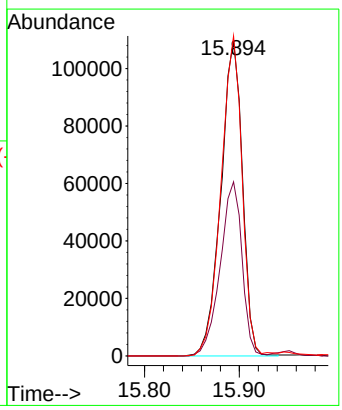
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

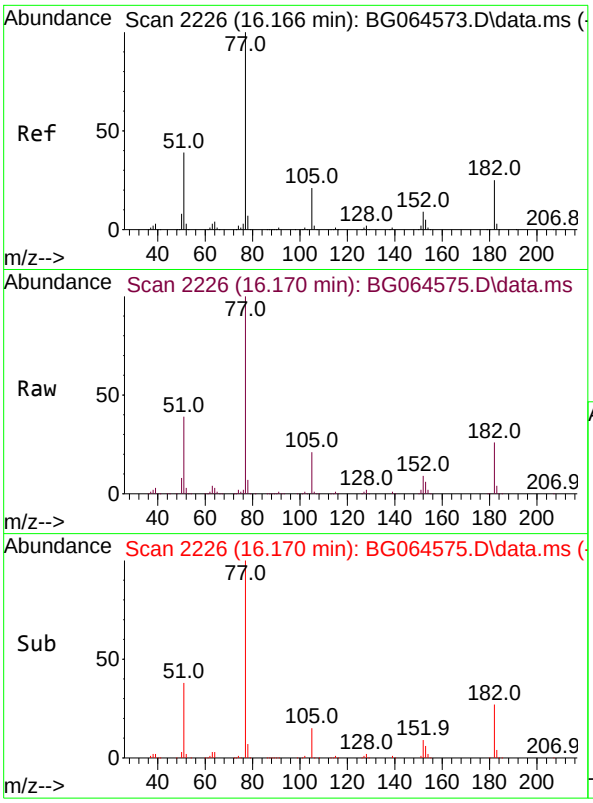


#62
4-Nitroaniline
Concen: 88.462 ng
RT: 15.894 min Scan# 2179
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:138 Resp: 173159

Ion	Ratio	Lower	Upper
138	100		
92	55.1	36.1	76.1
108	101.4	75.6	115.6

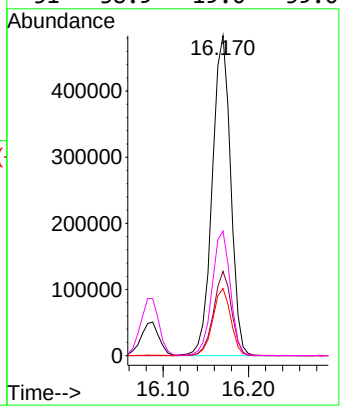




#63
Azobenzene
Concen: 75.482 ng
RT: 16.170 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion: 77 Resp: 72398

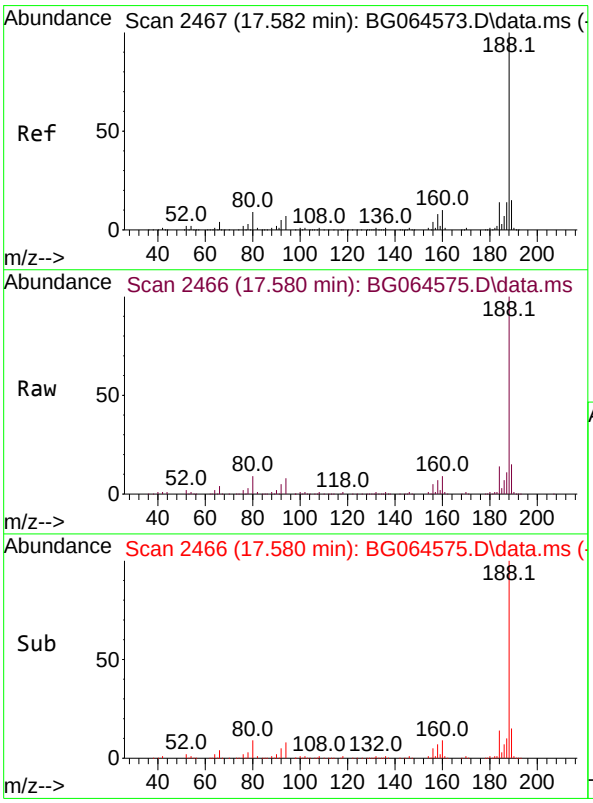
Ion	Ratio	Lower	Upper
77	100		
182	26.3	4.9	44.9
105	21.0	1.3	41.3
51	38.9	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

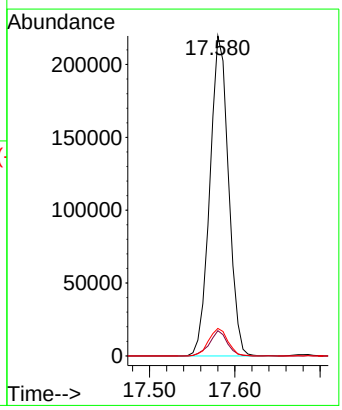
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

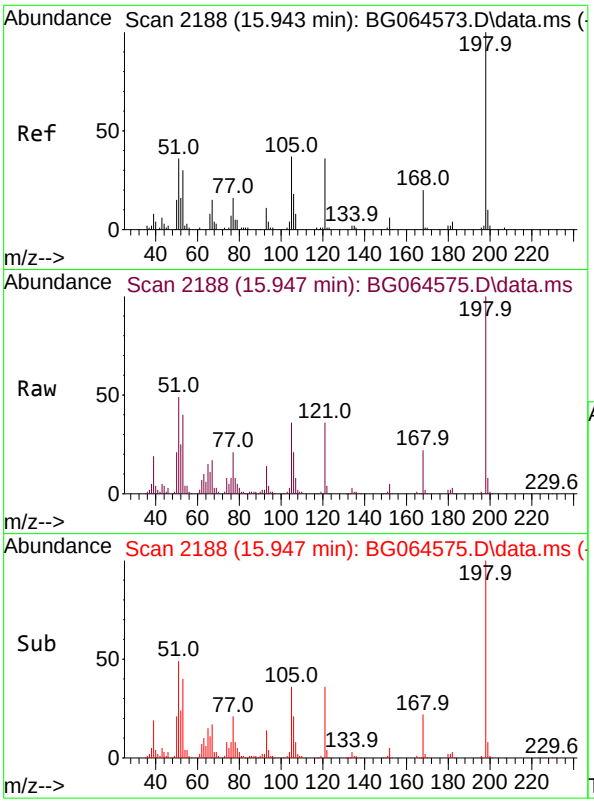


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.580 min Scan# 2466
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:188 Resp: 333421

Ion	Ratio	Lower	Upper
188	100		
94	7.9	5.7	8.5
80	8.6	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 80.450 ng
RT: 15.947 min Scan# 21
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

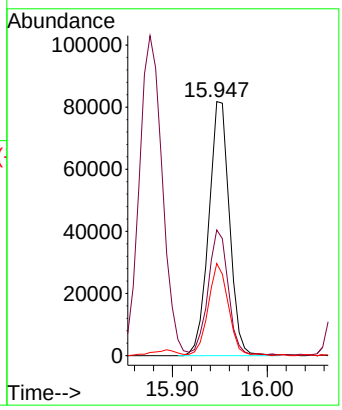
Tgt Ion:198 Resp: 12410

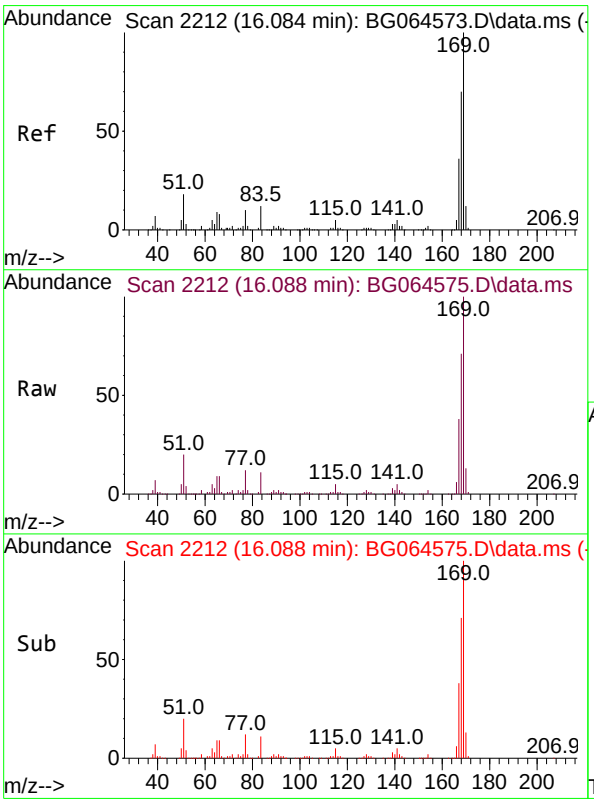
Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	36.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

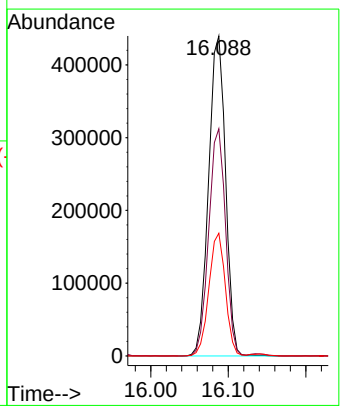


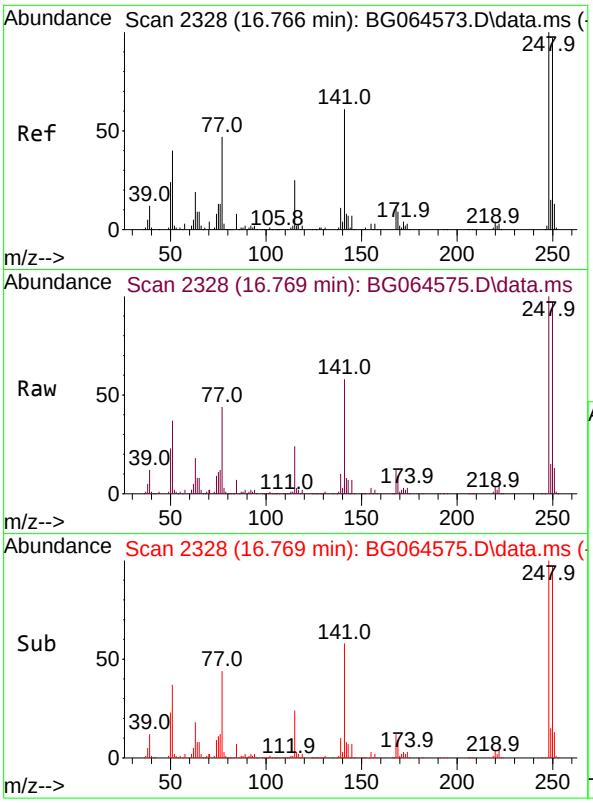


#66
n-Nitrosodiphenylamine
Concen: 74.020 ng
RT: 16.088 min Scan# 2212
Delta R.T. -0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:169 Resp: 666665

Ion	Ratio	Lower	Upper
169	100		
168	71.0	56.3	84.5
167	38.3	29.0	43.6

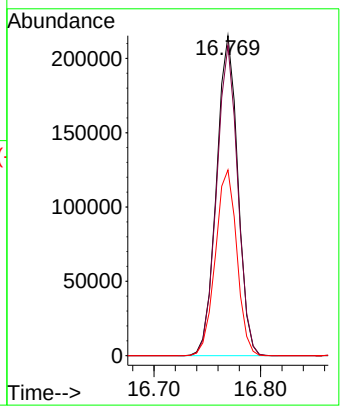




#67
4-Bromophenyl-phenylether
Concen: 75.762 ng
RT: 16.769 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:248 Resp: 29934

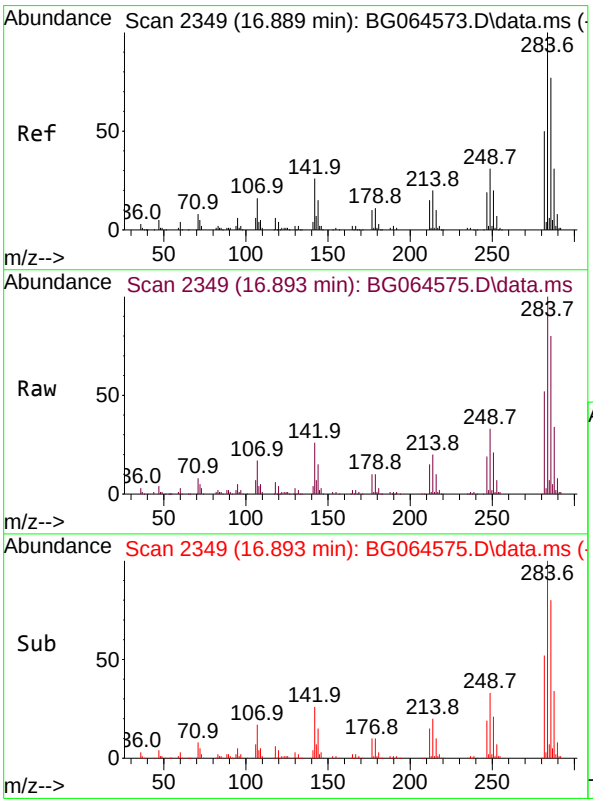
Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.7	116.5
141	58.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

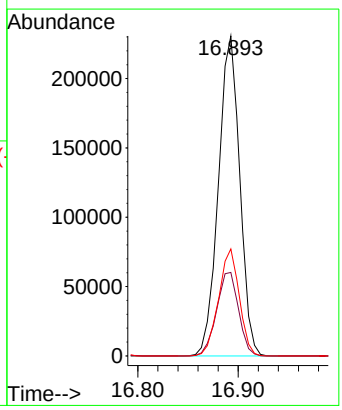
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

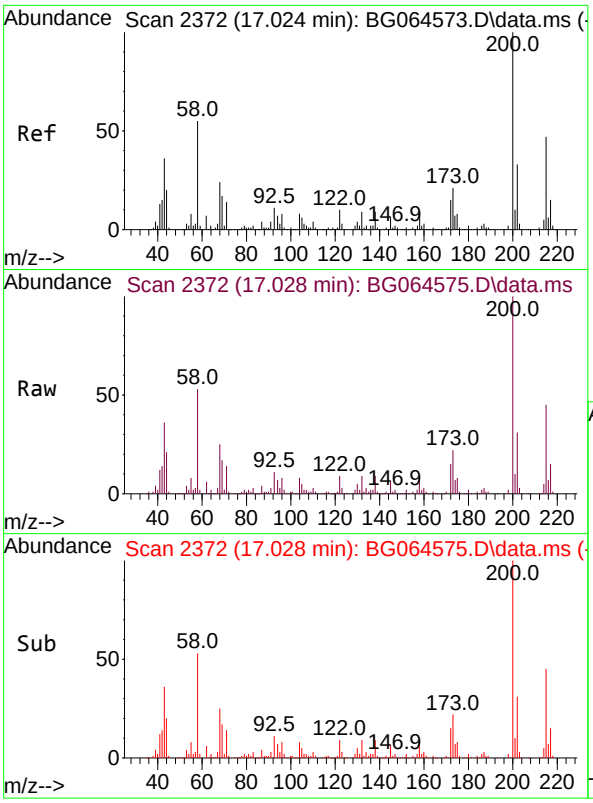


#68
Hexachlorobenzene
Concen: 75.724 ng
RT: 16.893 min Scan# 2349
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:284 Resp: 341338

Ion	Ratio	Lower	Upper
284	100		
142	26.1	21.0	31.6
249	35.4	24.9	37.3

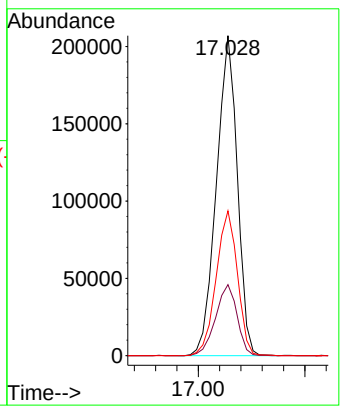




#69
Atrazine
Concen: 72.745 ng
RT: 17.028 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:200 Resp: 28195

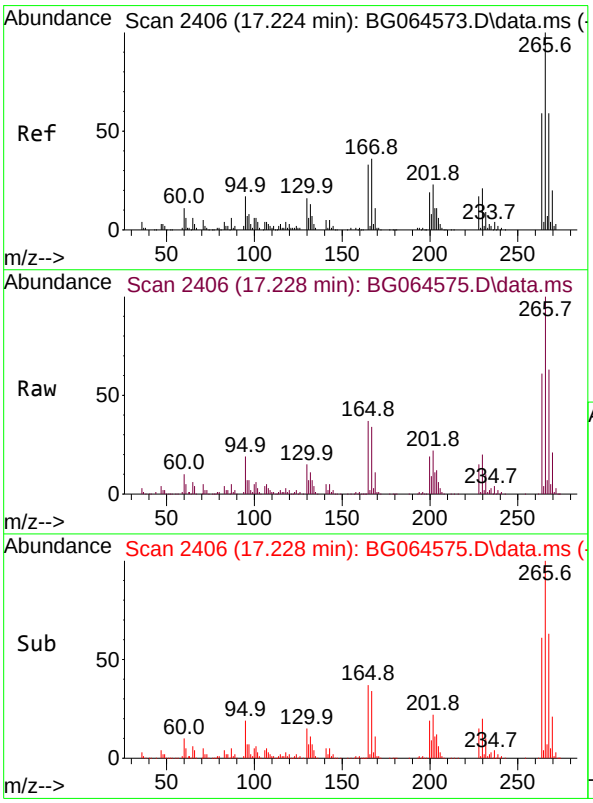
Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	45.2	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

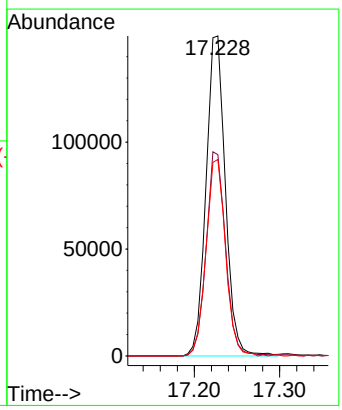
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

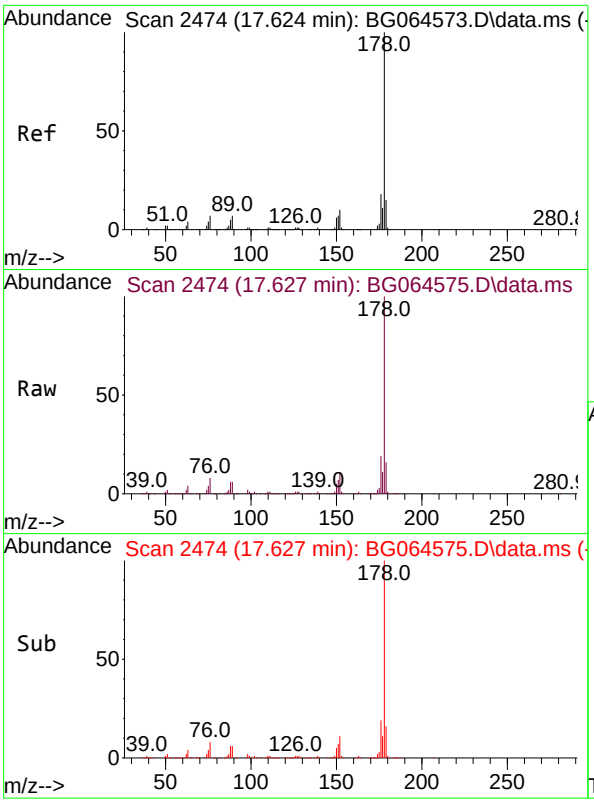


#70
Pentachlorophenol
Concen: 83.771 ng
RT: 17.228 min Scan# 2406
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:266 Resp: 235472

Ion	Ratio	Lower	Upper
266	100		
268	67.7	50.3	75.5
264	65.8	47.3	70.9

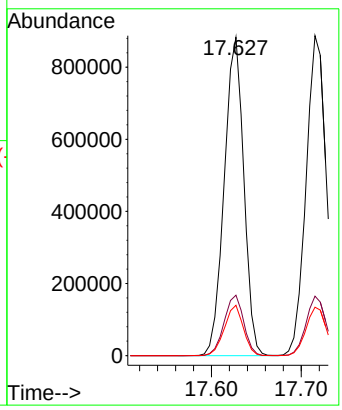




#71
Phenanthrene
Concen: 73.525 ng
RT: 17.627 min Scan# 24
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 134061

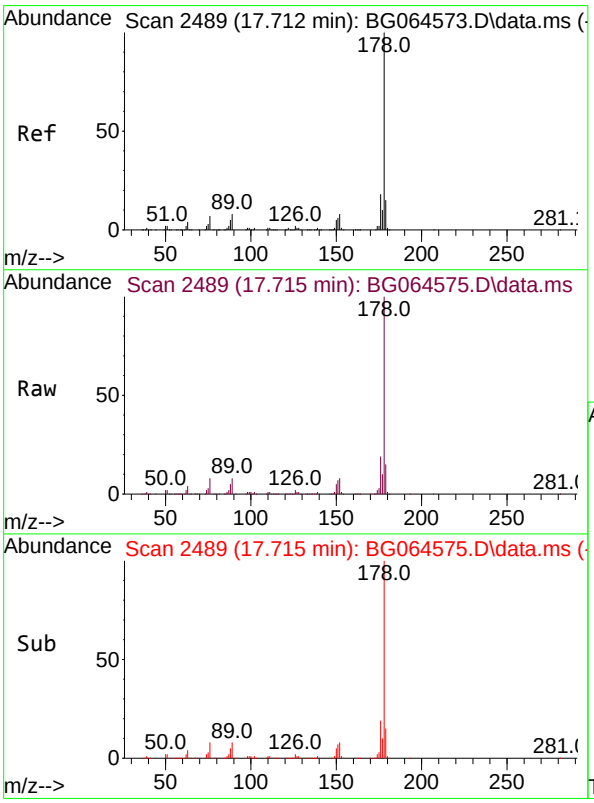
Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.8	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

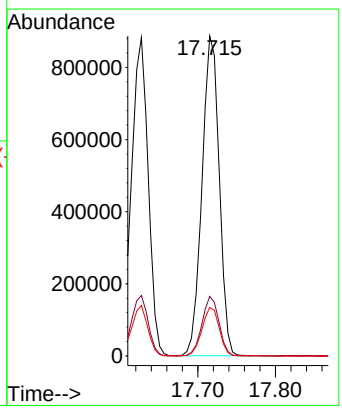
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

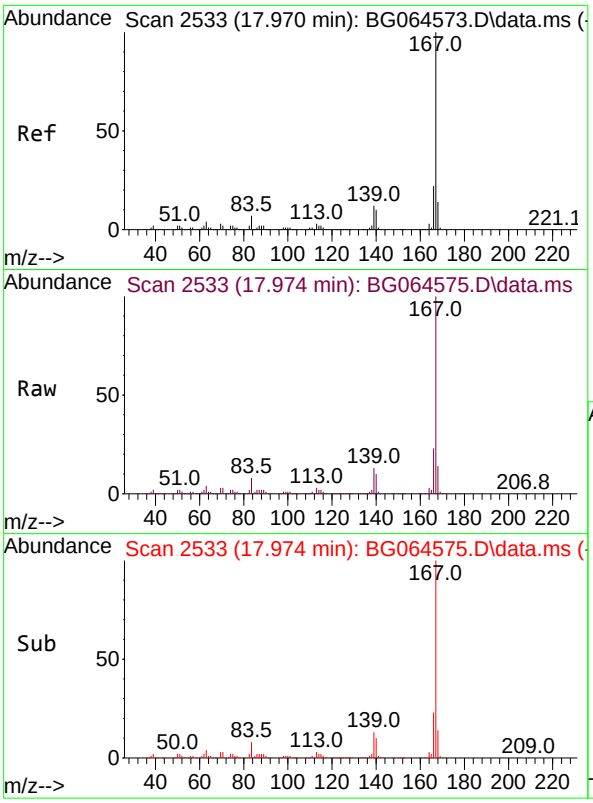


#72
Anthracene
Concen: 73.704 ng
RT: 17.715 min Scan# 2489
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:178 Resp: 1367044

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.4	21.6
179	15.1	12.4	18.6

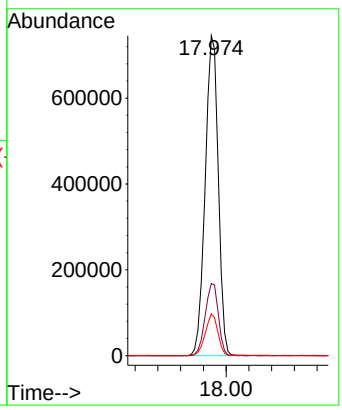




#73
Carbazole
Concen: 73.122 ng
RT: 17.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:167 Resp: 119596

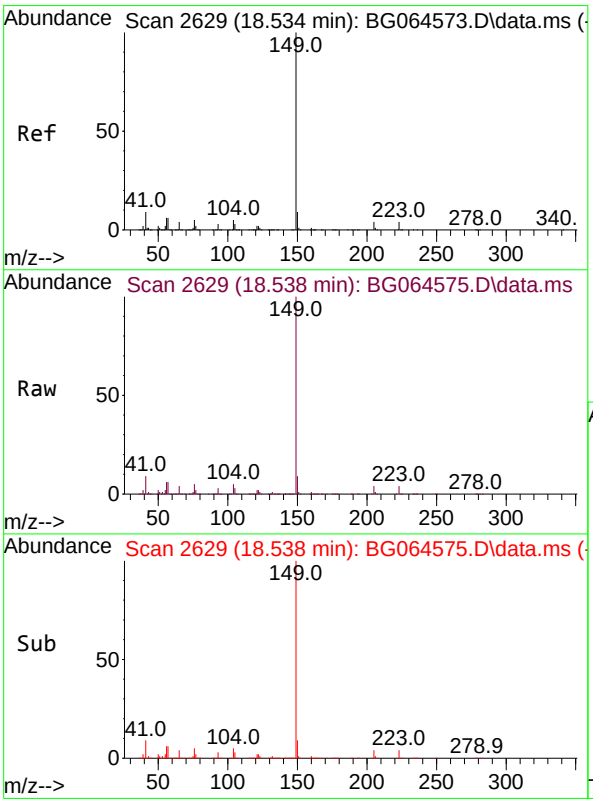
Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.9	26.9
139	13.0	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

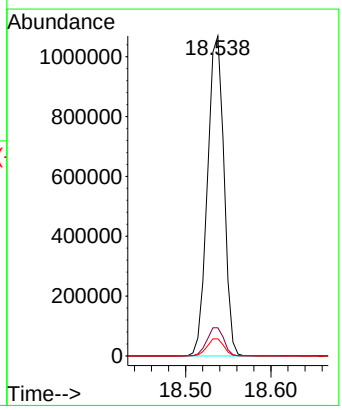
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

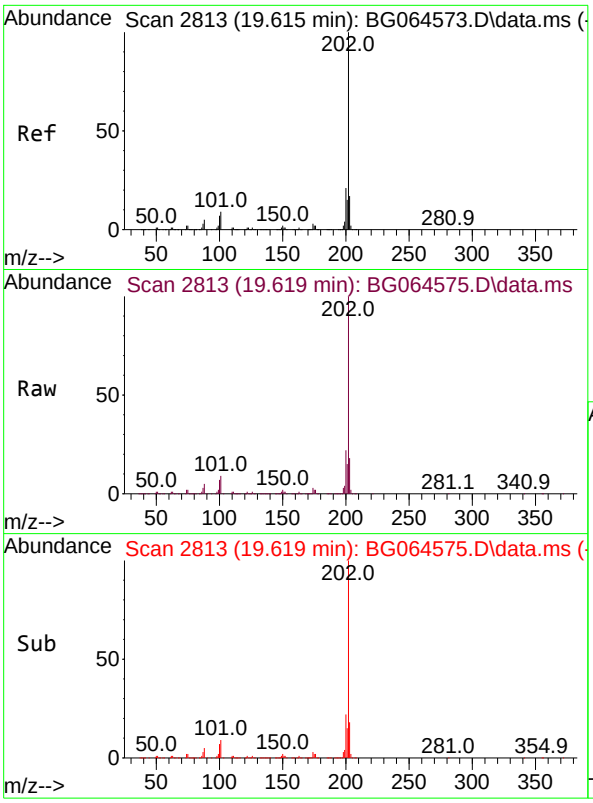


#74
Di-n-butylphthalate
Concen: 75.790 ng
RT: 18.538 min Scan# 2629
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 1433446

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1

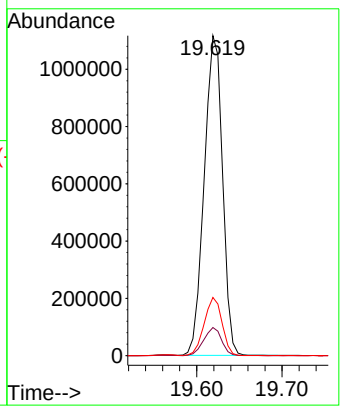




#75
Fluoranthene
Concen: 72.835 ng
RT: 19.619 min Scan# 2
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 166367

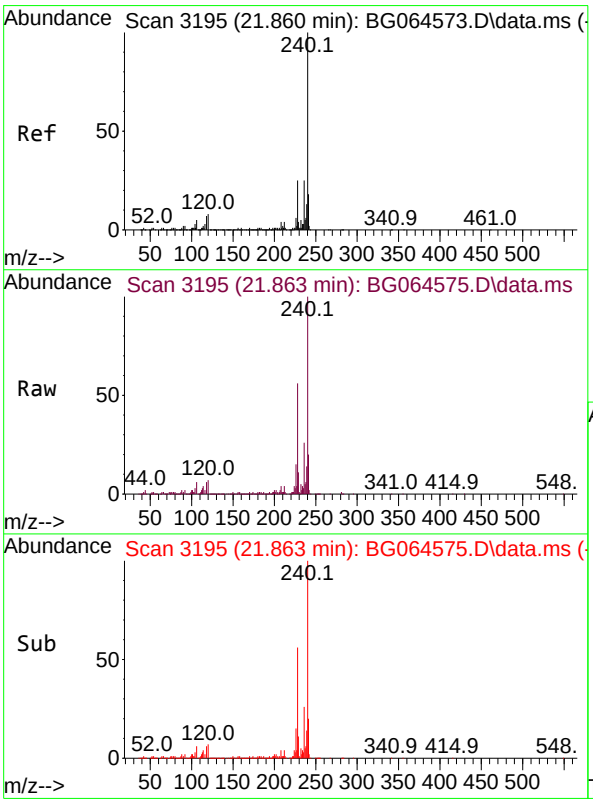
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.7
203	18.2	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

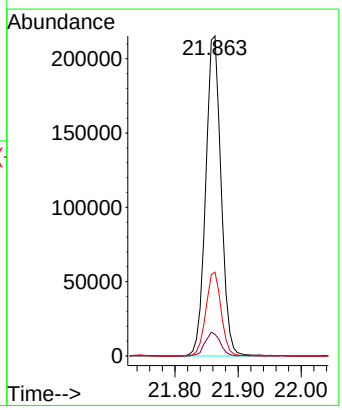
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

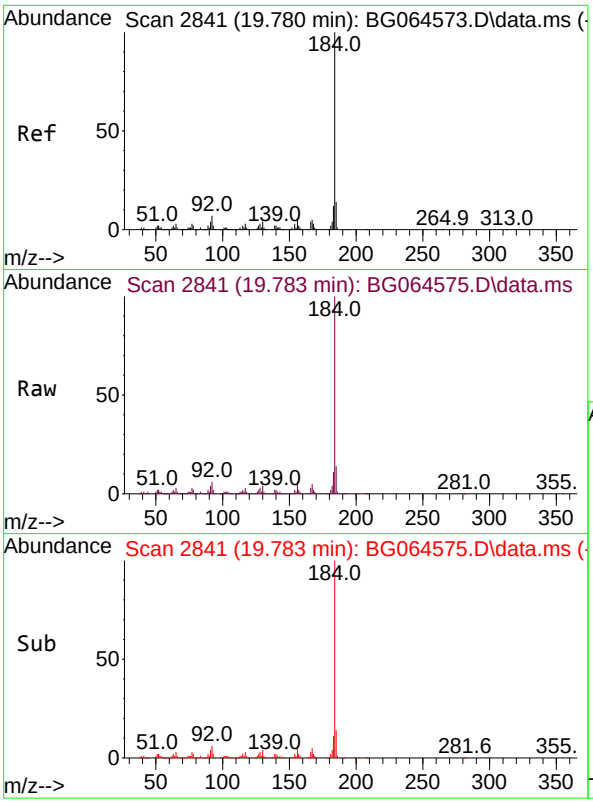


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3195
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:240 Resp: 363291

Ion	Ratio	Lower	Upper
240	100		
120	6.7	6.5	9.7
236	26.2	20.2	30.2

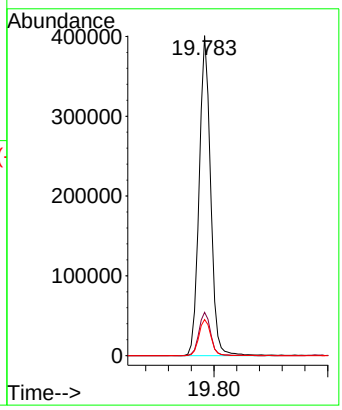




#77
Benzidine
Concen: 68.376 ng
RT: 19.783 min Scan# 28
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:184 Resp: 556525

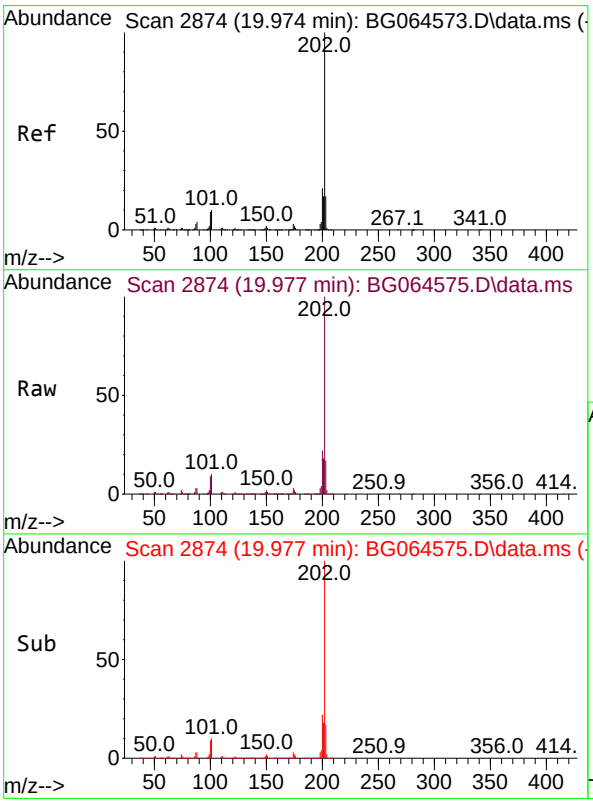
Ion	Ratio	Lower	Upper
184	100		
185	13.5	11.4	17.2
183	11.3	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

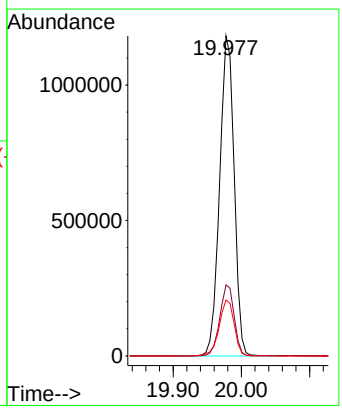
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

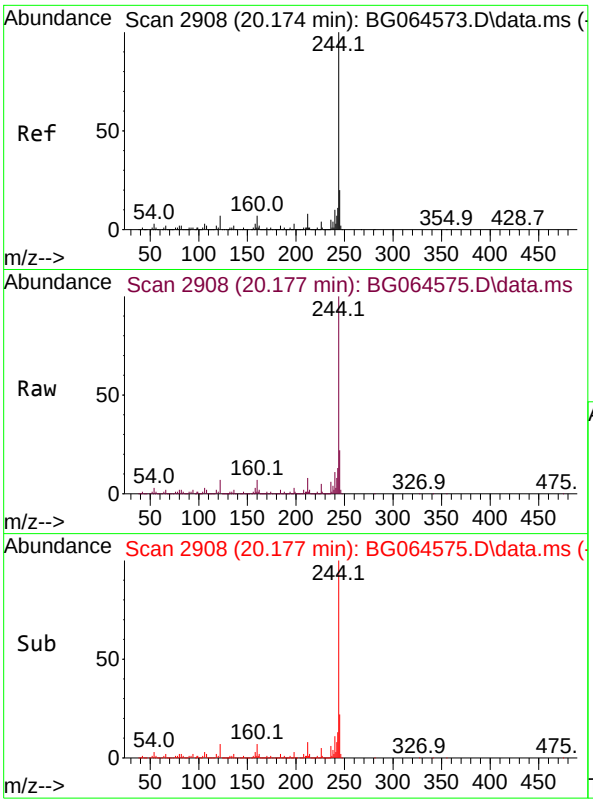


#78
Pyrene
Concen: 73.215 ng
RT: 19.977 min Scan# 2874
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:202 Resp: 1737788

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.0	25.4
203	17.5	13.8	20.6

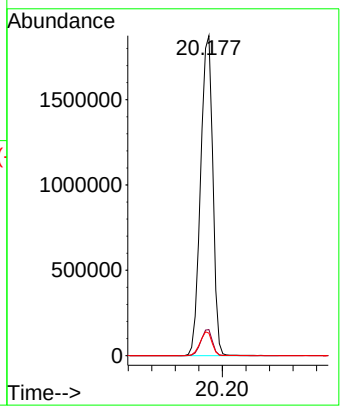




#79
Terphenyl-d14
Concen: 140.125 ng
RT: 20.177 min Scan# 29
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:244 Resp: 269749

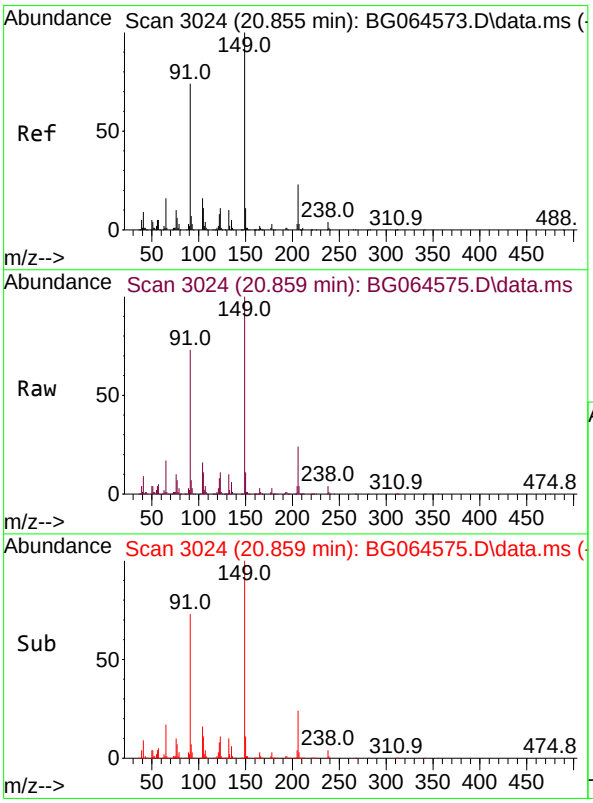
Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.1	9.1
122	7.0	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

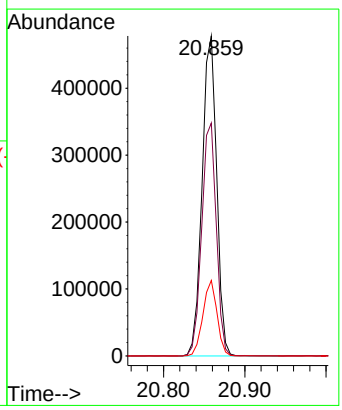
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

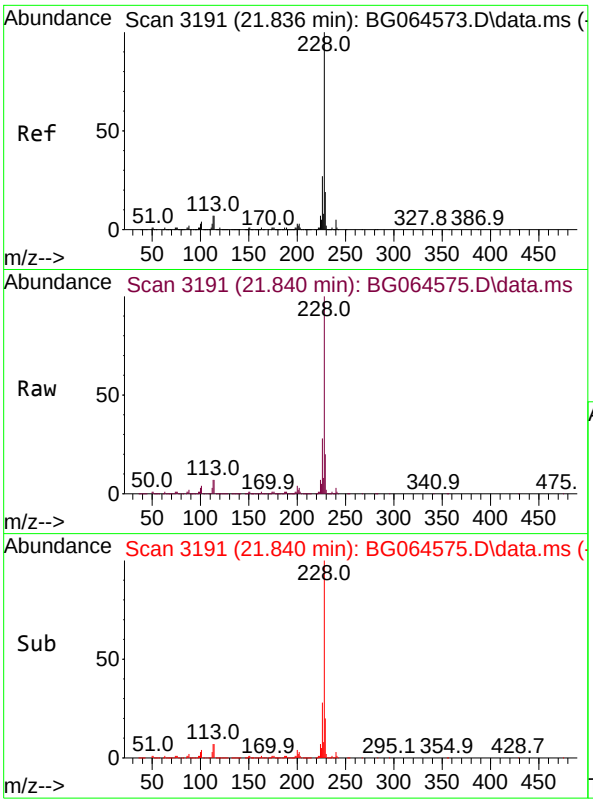


#80
Butylbenzylphthalate
Concen: 82.988 ng
RT: 20.859 min Scan# 3024
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 595333

Ion	Ratio	Lower	Upper
149	100		
91	72.8	59.2	88.8
206	23.6	18.1	27.1

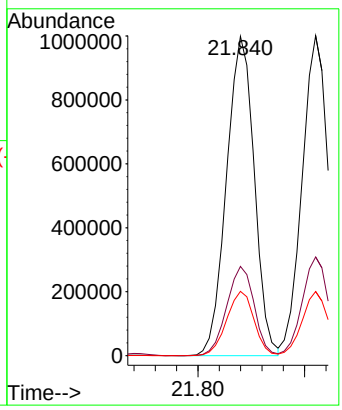




#81
Benzo(a)anthracene
Concen: 74.959 ng
RT: 21.840 min Scan# 31
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 180562

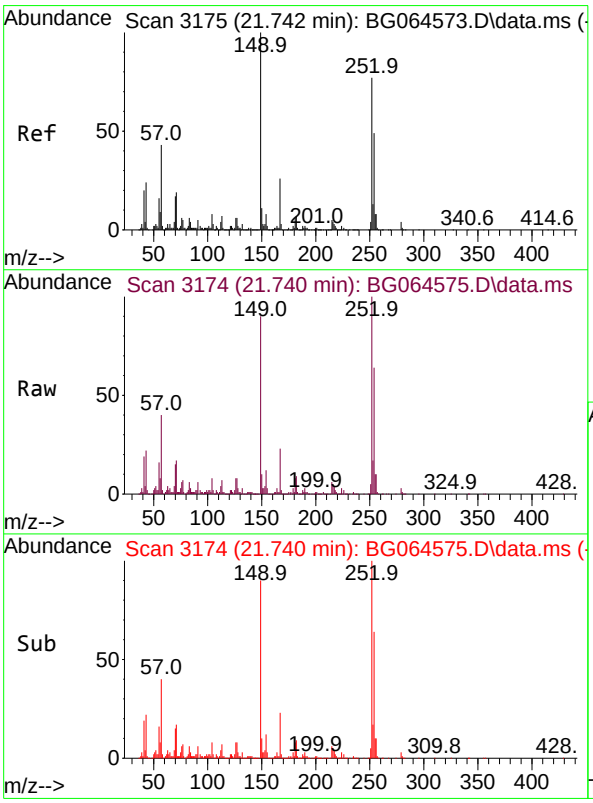
Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

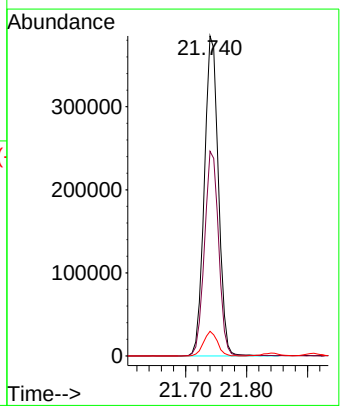
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

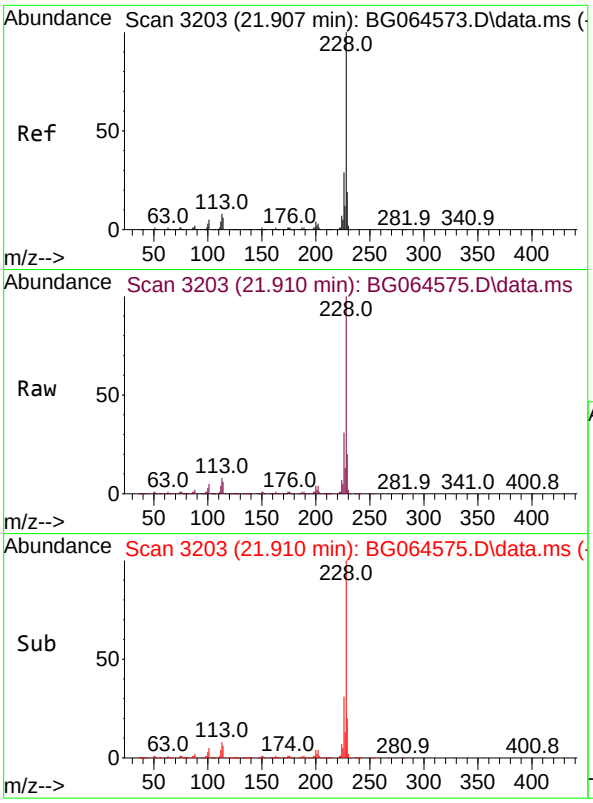


#82
3,3'-Dichlorobenzidine
Concen: 76.524 ng
RT: 21.740 min Scan# 3174
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 615546

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	7.7	5.8	8.6

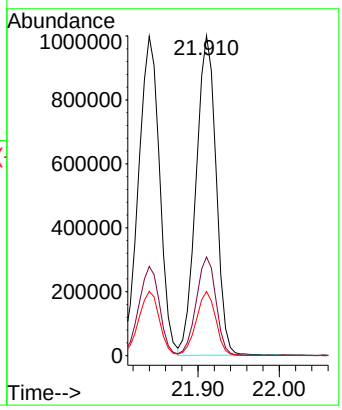




#83
Chrysene
Concen: 74.368 ng
RT: 21.910 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:228 Resp: 170453

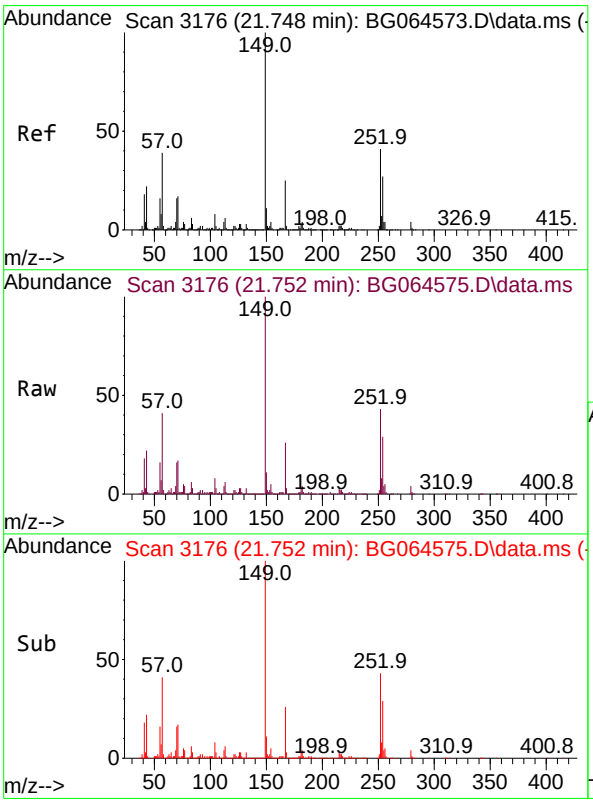
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.3	34.9
229	20.0	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

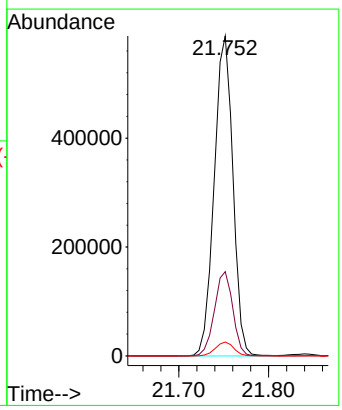
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

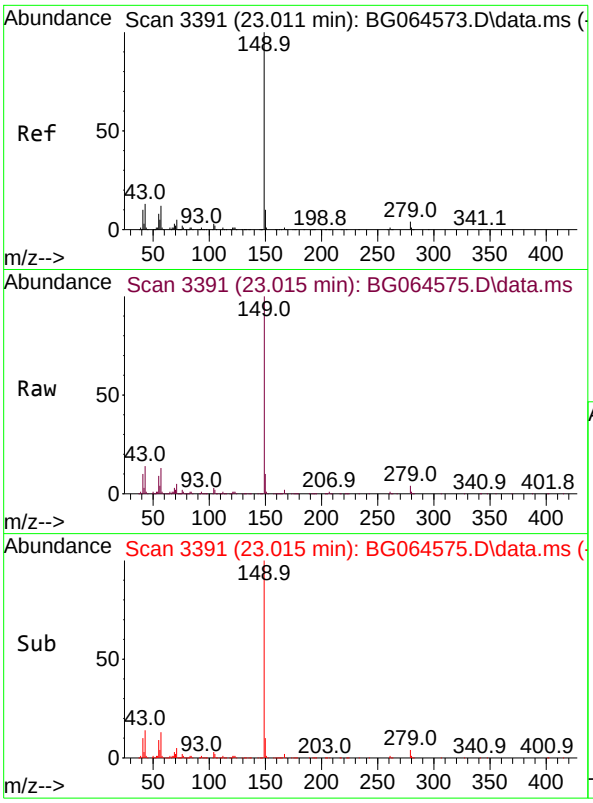


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.672 ng
RT: 21.752 min Scan# 3176
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 854027

Ion	Ratio	Lower	Upper
149	100		
167	26.3	20.0	30.0
279	4.3	3.1	4.7

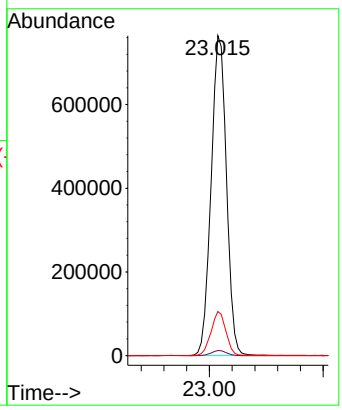




#85
Di-n-octyl phthalate
Concen: 79.289 ng
RT: 23.015 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:149 Resp: 143295

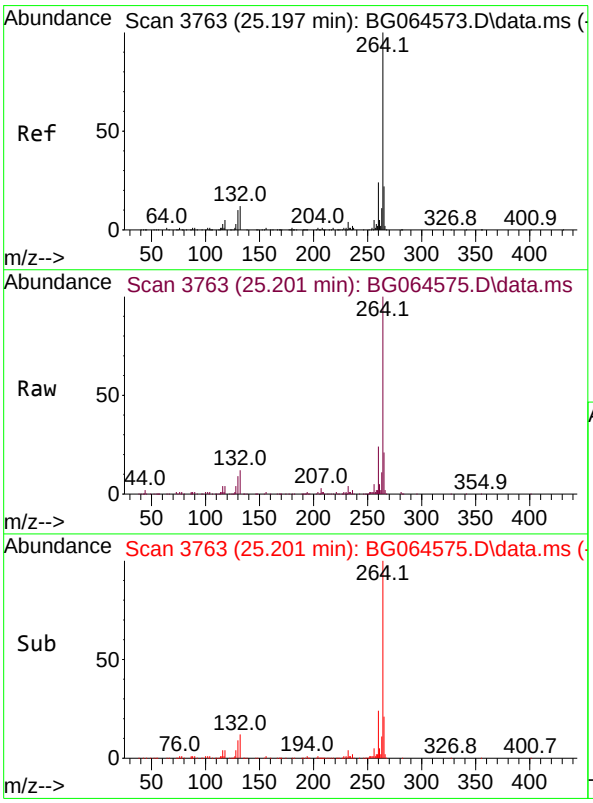
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.5	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

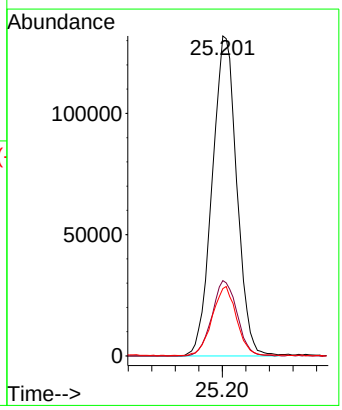
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

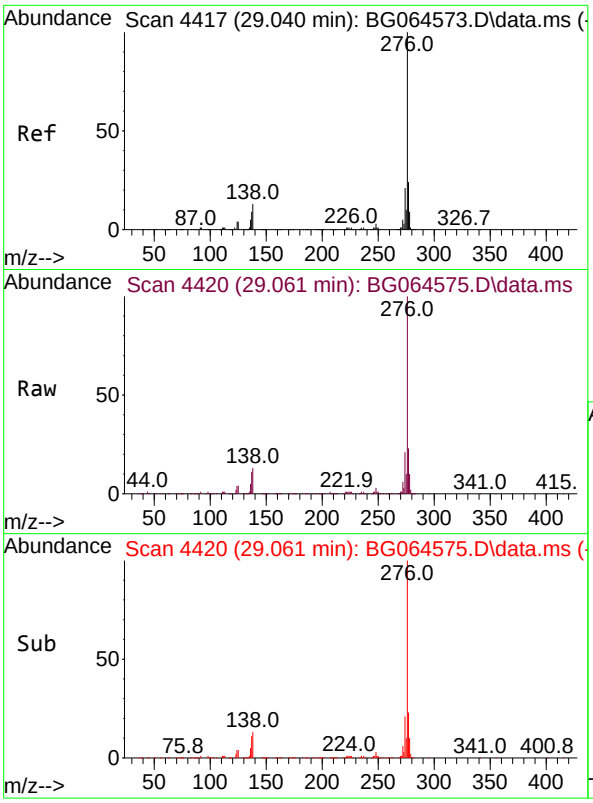


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.201 min Scan# 3763
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:264 Resp: 382372

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.0	28.4
265	21.0	17.6	26.4

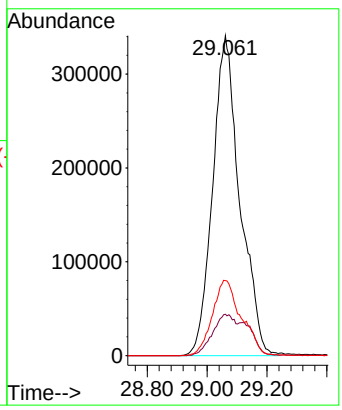




#87
Indeno(1,2,3-cd)pyrene
Concen: 76.663 ng
RT: 29.061 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 215642

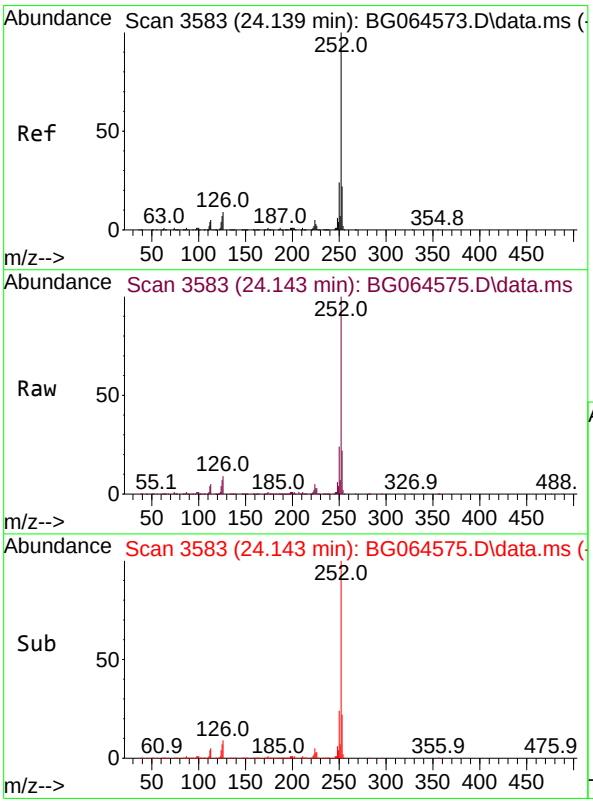
Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	25.2	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

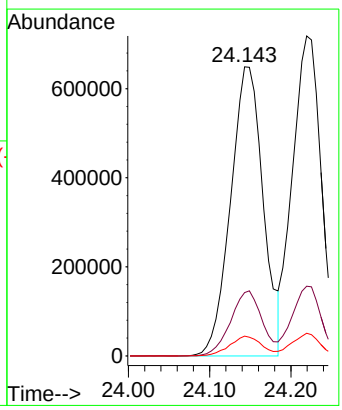
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

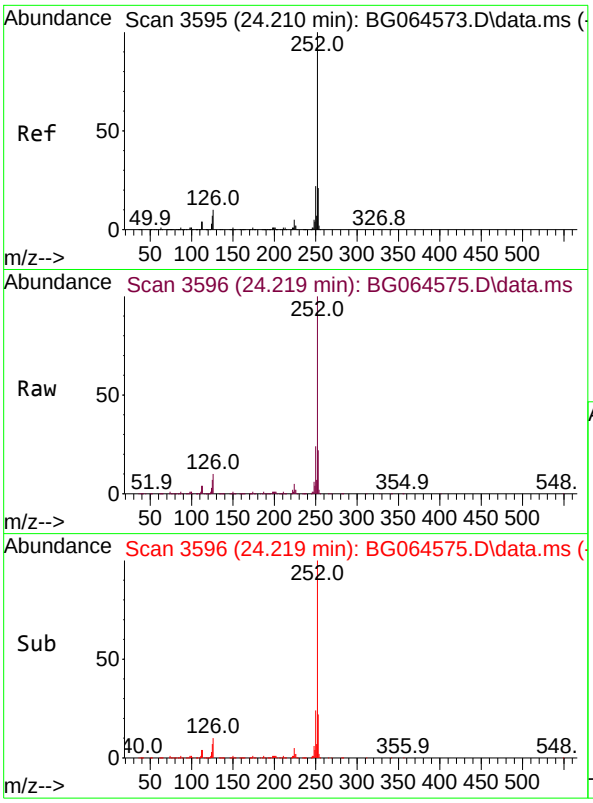


#88
Benzo(b)fluoranthene
Concen: 77.199 ng
RT: 24.143 min Scan# 3583
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1810094

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	6.8	5.6	8.4

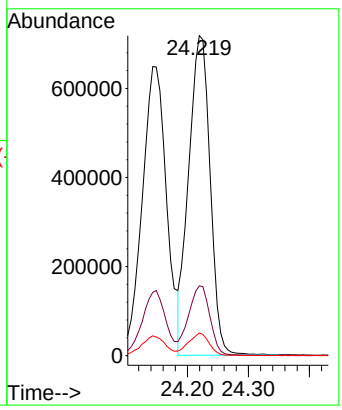




#89
Benzo(k)fluoranthene
Concen: 74.916 ng
RT: 24.219 min Scan# 3
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 175775

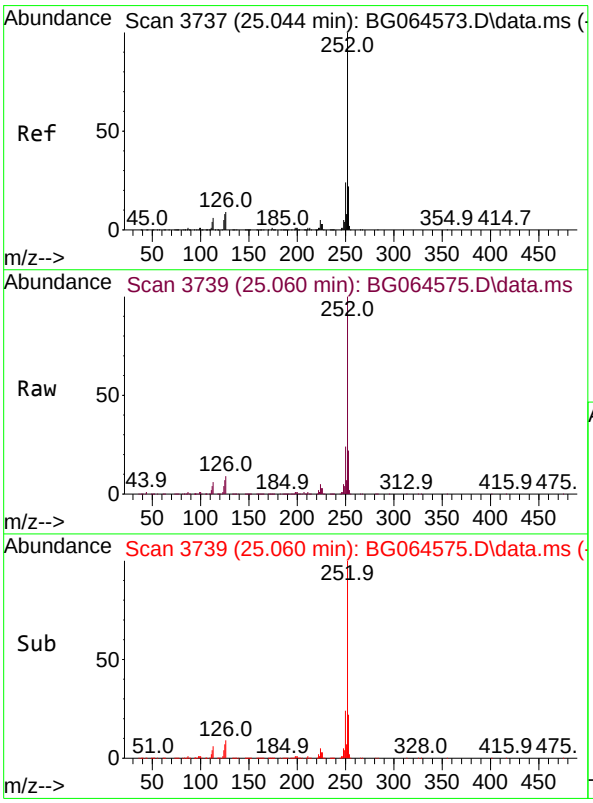
Ion	Ratio	Lower	Upper
252	100		
253	21.8	16.8	25.2
125	7.1	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

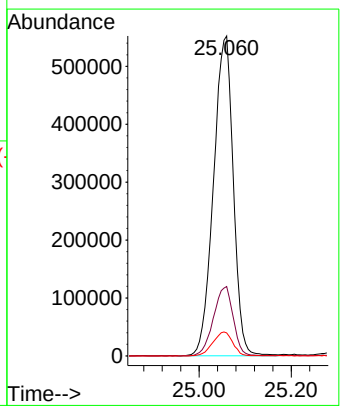
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

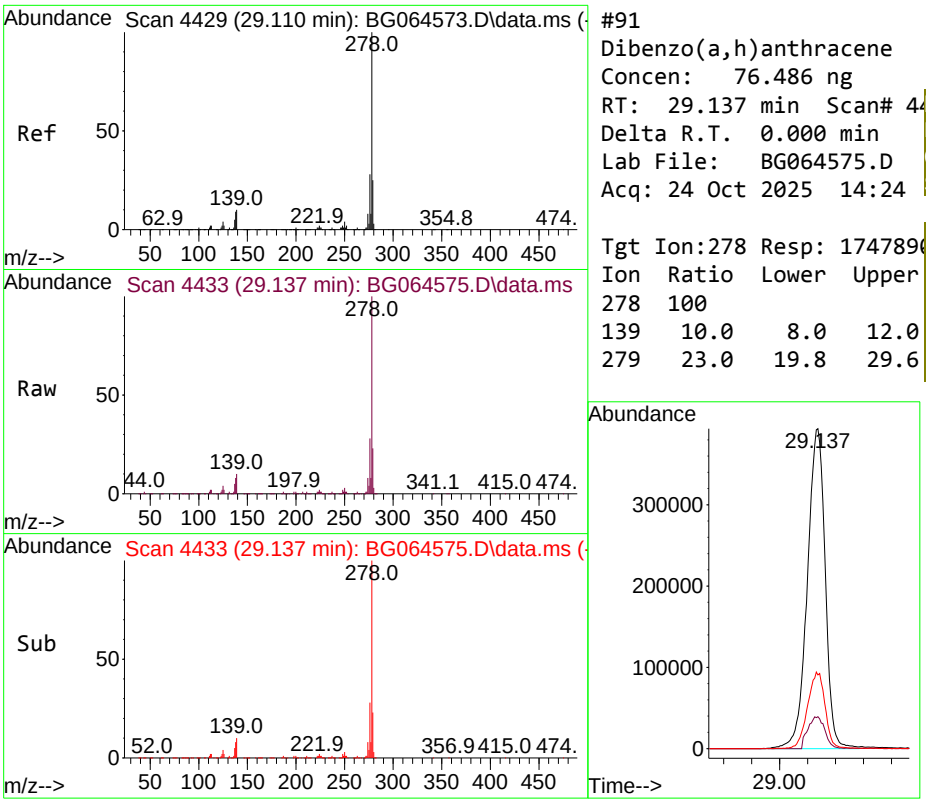


#90
Benzo(a)pyrene
Concen: 76.546 ng
RT: 25.060 min Scan# 3739
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:252 Resp: 1649779

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	7.2	6.1	9.1





#91
Dibenzo(a,h)anthracene
Concen: 76.486 ng
RT: 29.137 min Scan# 44
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

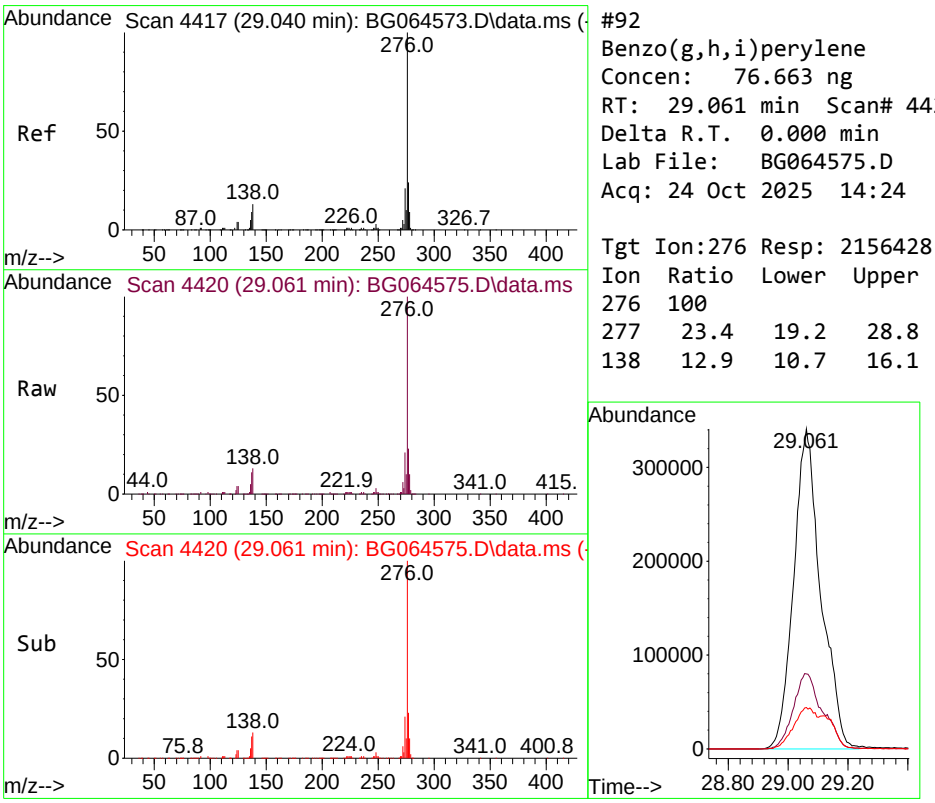
Tgt Ion:278 Resp: 174789

Ion	Ratio	Lower	Upper
278	100		
139	10.0	8.0	12.0
279	23.0	19.8	29.6

Instrument :
BNA_G
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 76.663 ng
RT: 29.061 min Scan# 4420
Delta R.T. 0.000 min
Lab File: BG064575.D
Acq: 24 Oct 2025 14:24

Tgt Ion:276 Resp: 2156428

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	12.9	10.7	16.1

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:11:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.224	152	43774	20.000	ng		0.00
21) Naphthalene-d8	11.050	136	182273	20.000	ng		0.00
39) Acenaphthene-d10	14.846	164	142032	20.000	ng		0.00
64) Phenanthrene-d10	17.584	188	343365	20.000	ng		0.00
76) Chrysene-d12	21.861	240	367592	20.000	ng		0.00
86) Perylene-d12	25.210	264	385865	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.750	112	249333	95.606	ng		0.00
7) Phenol-d6	7.354	99	349586	97.687	ng		0.00
23) Nitrobenzene-d5	9.387	82	324249	106.847	ng		0.00
42) 2,4,6-Tribromophenol	16.326	330	207294	101.122	ng		0.00
45) 2-Fluorobiphenyl	13.477	172	877315	93.626	ng		0.00
79) Terphenyl-d14	20.175	244	1814661	93.162	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.588	88	51872	44.926	ng		99
3) Pyridine	3.999	79	161000	46.434	ng		96
4) n-Nitrosodimethylamine	3.905	42	85377	45.917	ng		92
6) Aniline	7.536	93	228687	46.963	ng		99
8) 2-Chlorophenol	7.777	128	134062	49.112	ng		96
9) Benzaldehyde	7.343	77	91457	46.812	ng		96
10) Phenol	7.384	94	192663	48.681	ng		98
11) bis(2-Chloroethyl)ether	7.536	93	228687	46.963	ng		97
12) 1,3-Dichlorobenzene	8.112	146	146905	46.758	ng		98
13) 1,4-Dichlorobenzene	8.259	146	151083	47.294	ng		93
14) 1,2-Dichlorobenzene	8.582	146	143986	46.729	ng		96
15) Benzyl Alcohol	8.447	79	142880	48.417	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.741	45	361264	47.332	ng		99
17) 2-Methylphenol	8.453	107	74046	50.198	ng		96
18) Hexachloroethane	9.328	117	54330	48.463	ng		94
19) n-Nitroso-di-n-propyla...	9.029	70	122051	49.350	ng		97
20) 3+4-Methylphenols	8.982	107	176415	47.740	ng		99
22) Acetophenone	9.046	105	234956	47.155	ng	#	100
24) Nitrobenzene	9.428	77	171837	52.060	ng		96
25) Isophorone	9.957	82	348174	47.813	ng		97
26) 2-Nitrophenol	10.145	139	61611	48.353	ng		90
27) 2,4-Dimethylphenol	10.198	122	140852m	50.979	ng		
28) bis(2-Chloroethoxy)met...	10.439	93	194038	46.800	ng		99
29) 2,4-Dichlorophenol	10.680	162	148850	51.062	ng		94
30) 1,2,4-Trichlorobenzene	10.909	180	159207	48.068	ng		94
31) Naphthalene	11.103	128	471891	46.695	ng		98
32) Benzoic acid	10.321	122	97652m	48.883	ng		
33) 4-Chloroaniline	11.191	127	186814	47.560	ng		98
34) Hexachlorobutadiene	11.397	225	123596	47.716	ng		98
35) Caprolactam	11.961	113	53689	48.020	ng	#	93
36) 4-Chloro-3-methylphenol	12.296	107	171120	48.836	ng		98
37) 2-Methylnaphthalene	12.695	142	351946	47.435	ng		97
38) 1-Methylnaphthalene	12.913	142	342687	46.939	ng		95
40) 1,2,4,5-Tetrachloroben...	13.054	216	224658	47.131	ng		99
41) Hexachlorocyclopentadiene	13.042	237	105411	49.131	ng		98
43) 2,4,6-Trichlorophenol	13.283	196	141505	51.898	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 24 17:11:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	13.353	196	157315	49.997	ng		96
46)	1,1'-Biphenyl	13.688	154	470676	46.613	ng		99
47)	2-Chloronaphthalene	13.729	162	359811	47.208	ng		99
48)	2-Nitroaniline	13.911	65	121908	47.668	ng		92
49)	Acenaphthylene	14.569	152	565771	47.060	ng		99
50)	Dimethylphthalate	14.293	163	519303	47.781	ng		99
51)	2,6-Dinitrotoluene	14.405	165	86665	48.306	ng		99
52)	Acenaphthene	14.910	154	388012	47.239	ng		99
53)	3-Nitroaniline	14.734	138	99748	53.405	ng		96
54)	2,4-Dinitrophenol	14.928	184	49318	47.268	ng		89
55)	Dibenzofuran	15.239	168	615553	46.355	ng		99
56)	4-Nitrophenol	15.016	139	88609	51.169	ng		95
57)	2,4-Dinitrotoluene	15.186	165	132374	47.759	ng	#	99
58)	Fluorene	15.891	166	481625	46.441	ng		99
59)	2,3,4,6-Tetrachlorophenol	15.457	232	157783	52.440	ng		99
60)	Diethylphthalate	15.650	149	527594	47.543	ng		100
61)	4-Chlorophenyl-phenyle...	15.880	204	271068	46.576	ng		98
62)	4-Nitroaniline	15.891	138	110067	52.970	ng		98
63)	Azobenzene	16.168	77	475203	46.671	ng		99
65)	4,6-Dinitro-2-methylph...	15.944	198	71672	47.500	ng		95
66)	n-Nitrosodiphenylamine	16.085	169	444824	47.959	ng		99
67)	4-Bromophenyl-phenylether	16.773	248	196226	48.225	ng		96
68)	Hexachlorobenzene	16.890	284	223018	48.043	ng		94
69)	Atrazine	17.025	200	187862	47.066	ng		96
70)	Pentachlorophenol	17.225	266	147427	50.930	ng		95
71)	Phenanthrene	17.625	178	875415	46.621	ng		99
72)	Anthracene	17.719	178	893629	46.785	ng		99
73)	Carbazole	17.977	167	781031	46.370	ng		100
74)	Di-n-butylphthalate	18.535	149	930281	47.762	ng		100
75)	Fluoranthene	19.622	202	1092855	46.459	ng		99
77)	Benzidine	19.787	184	382418	46.435	ng		100
78)	Pyrene	19.981	202	1133345	47.190	ng		99
80)	Butylbenzylphthalate	20.856	149	374611	51.609	ng		100
81)	Benzo(a)anthracene	21.843	228	1151242	47.234	ng		99
82)	3,3'-Dichlorobenzidine	21.743	252	389240	47.824	ng		97
83)	Chrysene	21.908	228	1091456	47.062	ng		98
84)	Bis(2-ethylhexyl)phtha...	21.749	149	537716	49.576	ng		98
85)	Di-n-octyl phthalate	23.018	149	896763	49.039	ng		99
87)	Indeno(1,2,3-cd)pyrene	29.052	276	1346188	47.425	ng		97
88)	Benzo(b)fluoranthene	24.146	252	1131250	47.810	ng		100
89)	Benzo(k)fluoranthene	24.217	252	1110490	46.901	ng		98
90)	Benzo(a)pyrene	25.051	252	1029605	47.339	ng		99
91)	Dibenzo(a,h)anthracene	29.129	278	1090407	47.283	ng		99
92)	Benzo(g,h,i)perylene	29.052	276	1346188	47.425	ng		100

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

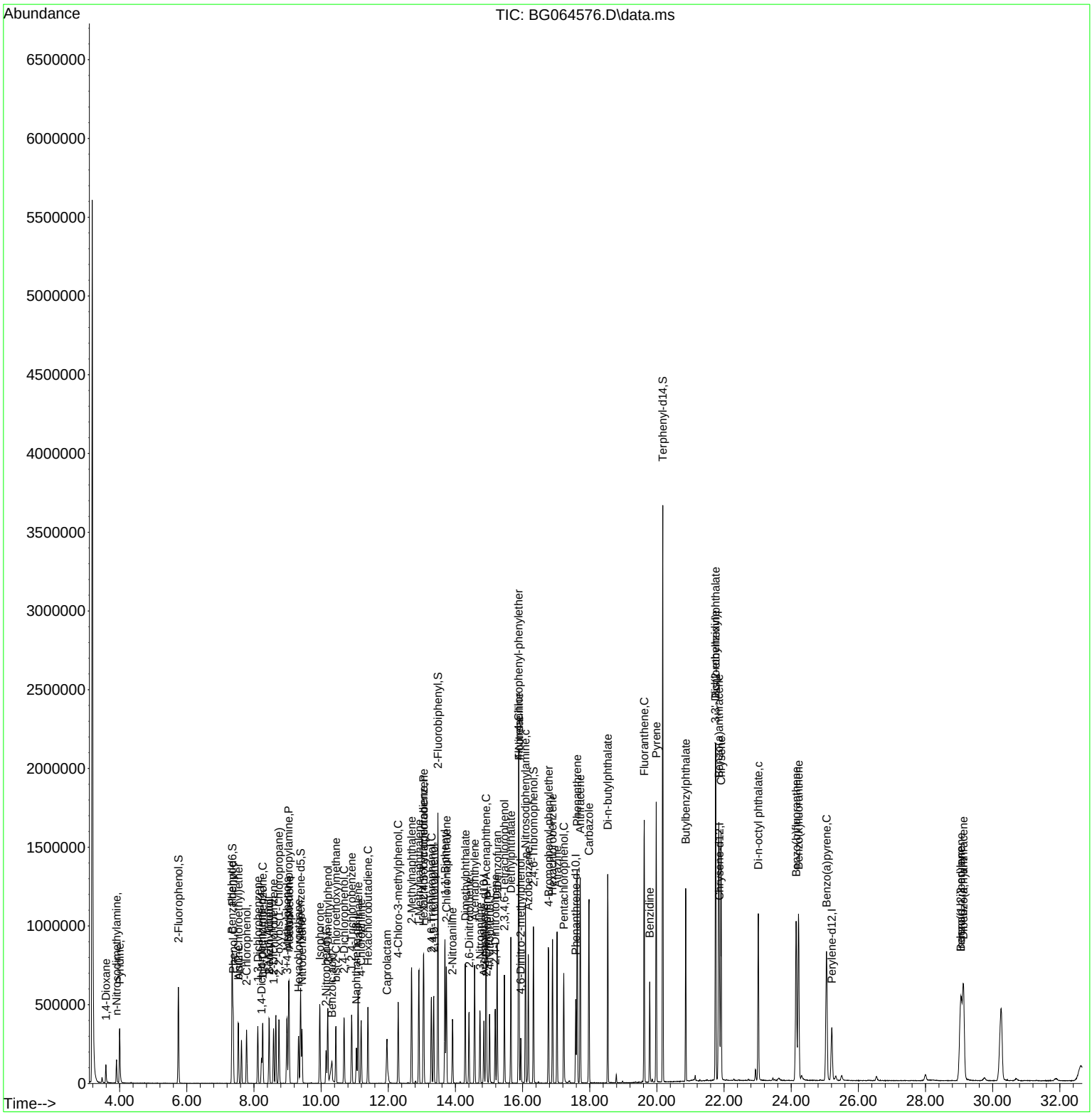
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064576.D
Acq On : 24 Oct 2025 15:32
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 9 Sample Multiplier: 1

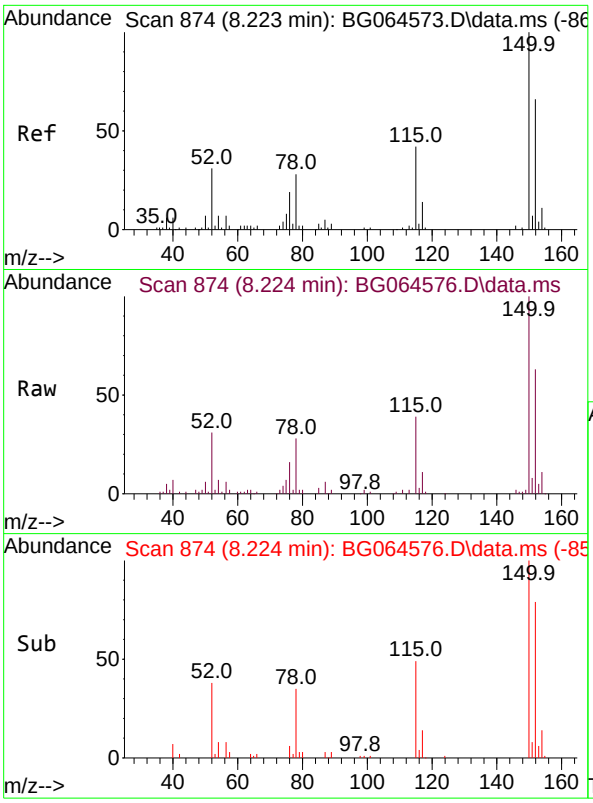
Quant Time: Oct 24 17:11:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

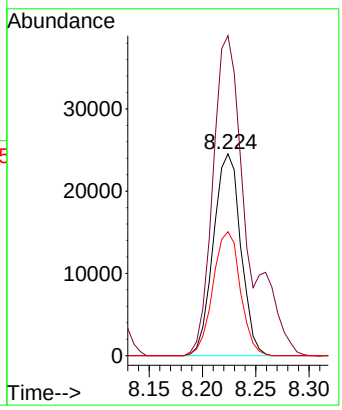




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.224 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 4377

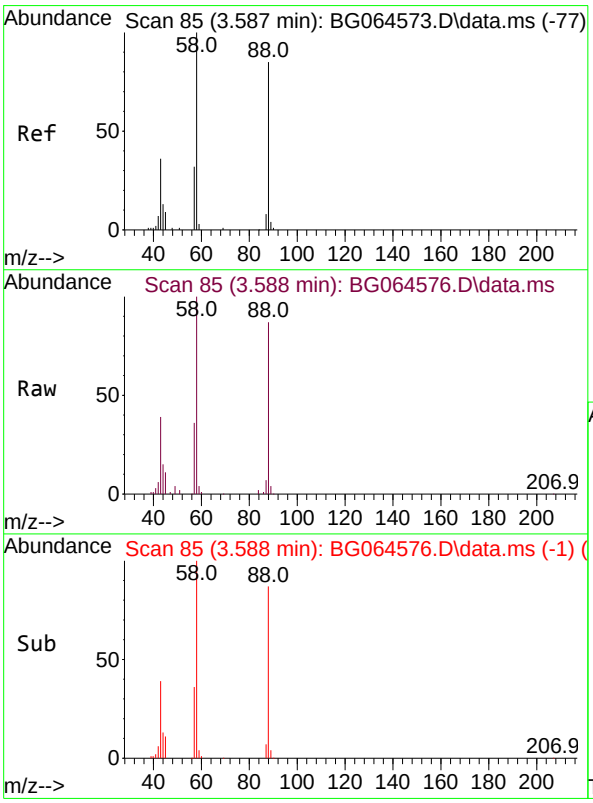
Ion	Ratio	Lower	Upper
152	100		
150	158.7	122.2	183.4
115	61.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

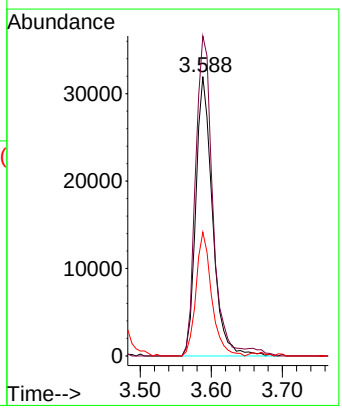
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

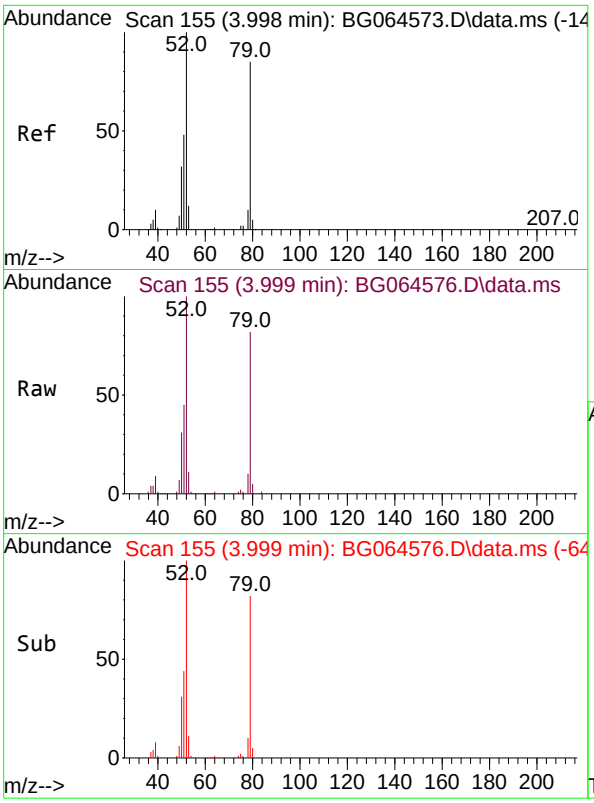


#2
1,4-Dioxane
Concen: 44.926 ng
RT: 3.588 min Scan# 85
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 88 Resp: 51872

Ion	Ratio	Lower	Upper
88	100		
58	116.7	92.4	138.6
43	41.6	33.0	49.6





#3
Pyridine
Concen: 46.434 ng
RT: 3.999 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

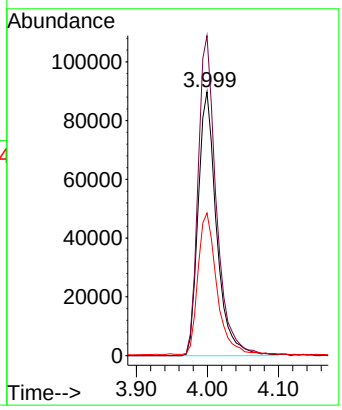
Tgt Ion: 79 Resp: 16100

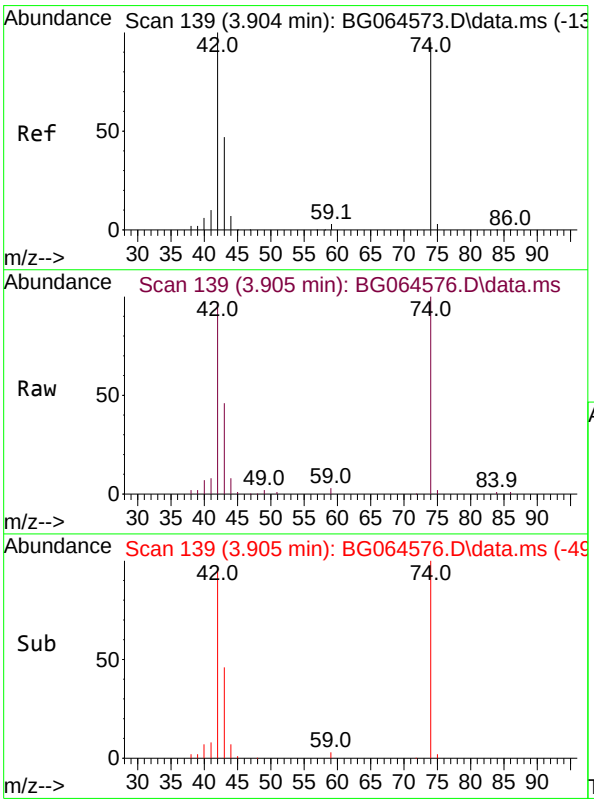
Ion	Ratio	Lower	Upper
79	100		
52	121.3	94.2	141.2
51	54.1	46.1	69.1

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

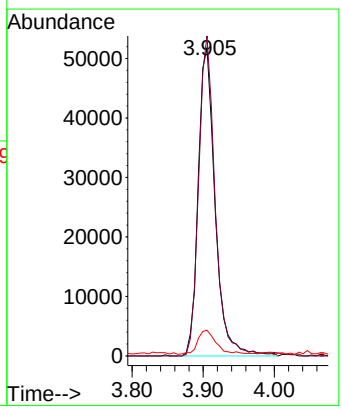


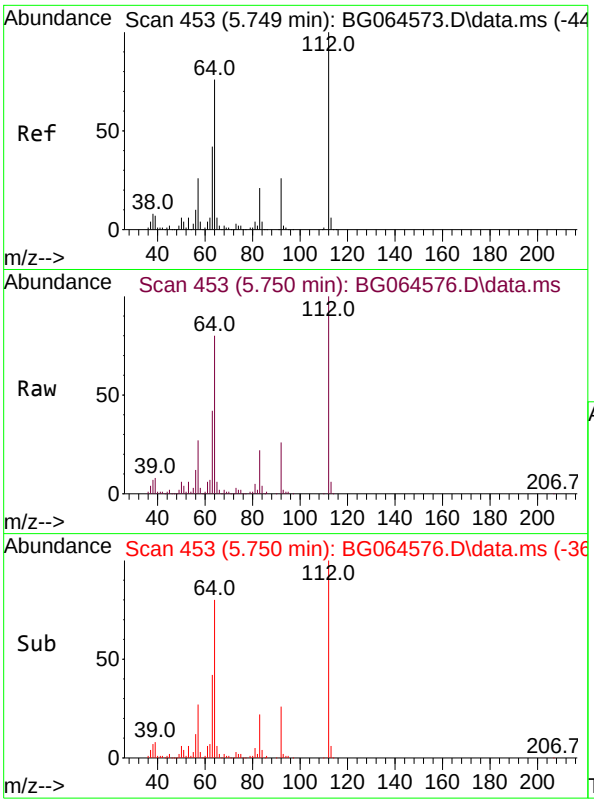


#4
n-Nitrosodimethylamine
Concen: 45.917 ng
RT: 3.905 min Scan# 139
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 42 Resp: 85377

Ion	Ratio	Lower	Upper
42	100		
74	103.9	76.1	114.1
44	8.4	6.3	9.5

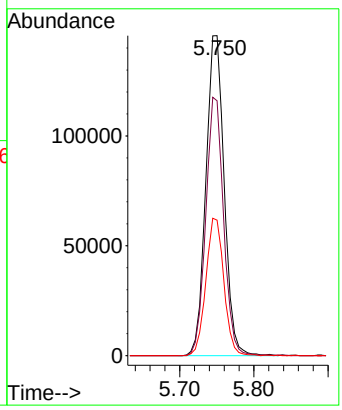




#5
2-Fluorophenol
Concen: 95.606 ng
RT: 5.750 min Scan# 4
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:112 Resp: 24933

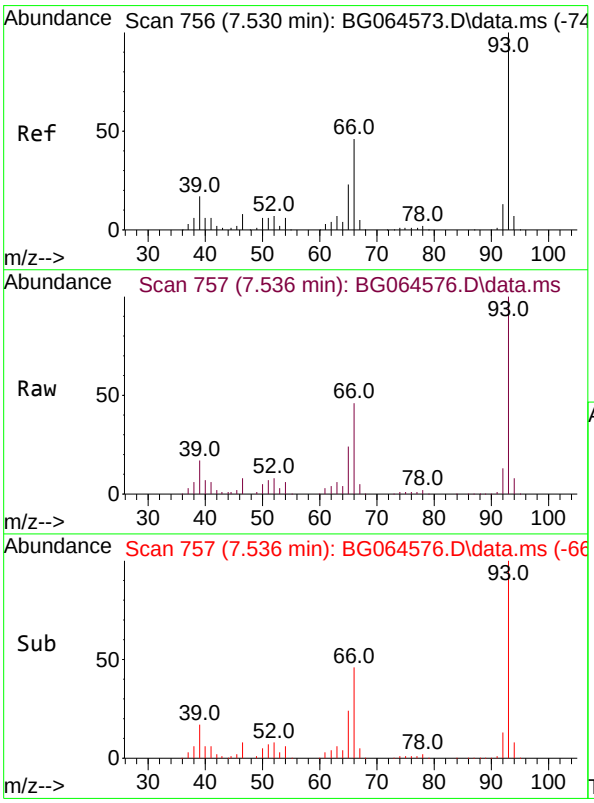
Ion	Ratio	Lower	Upper
112	100		
64	79.6	60.7	91.1
63	42.3	33.4	50.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

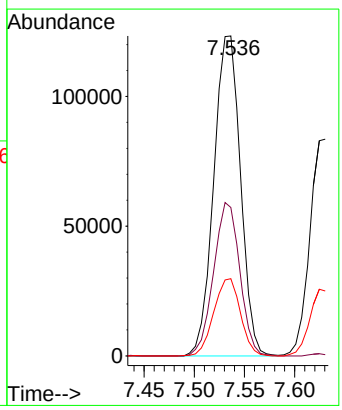
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

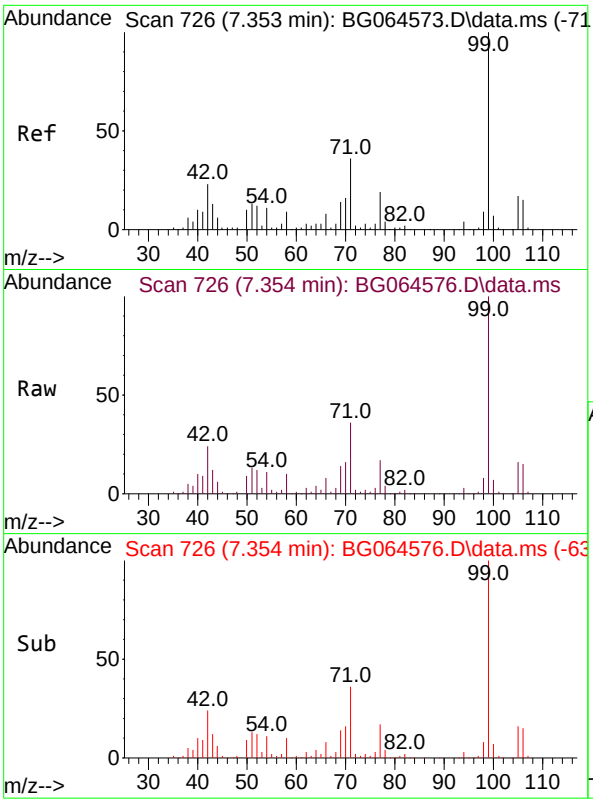


#6
Aniline
Concen: 46.963 ng
RT: 7.536 min Scan# 757
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 228687

Ion	Ratio	Lower	Upper
93	100		
66	46.4	37.0	55.6
65	24.1	18.3	27.5

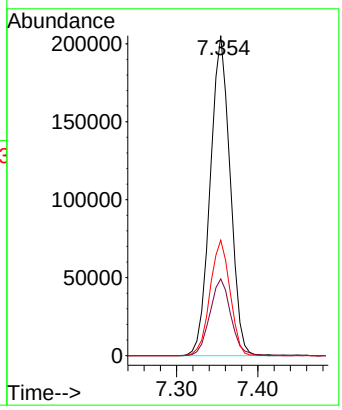




#7
Phenol-d6
Concen: 97.687 ng
RT: 7.354 min Scan# 7
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 99 Resp: 34958

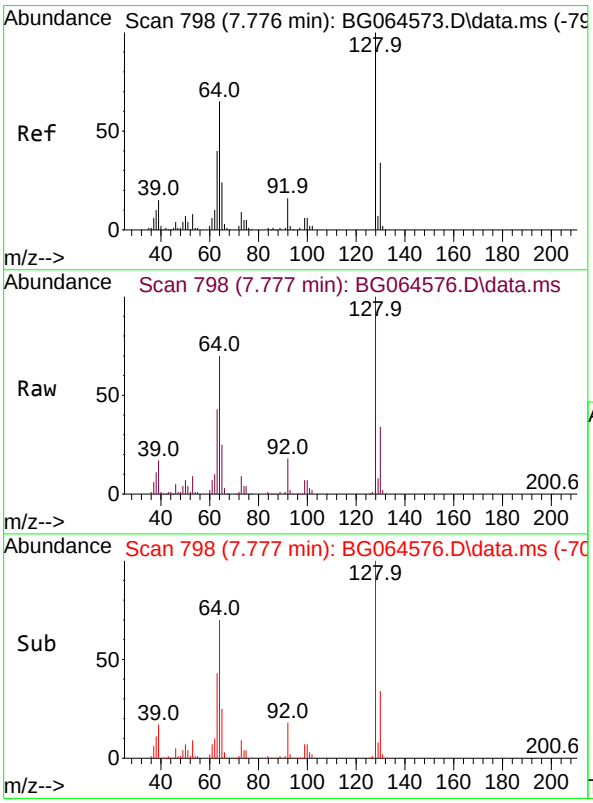
Ion	Ratio	Lower	Upper
99	100		
42	24.0	18.3	27.5
71	36.1	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

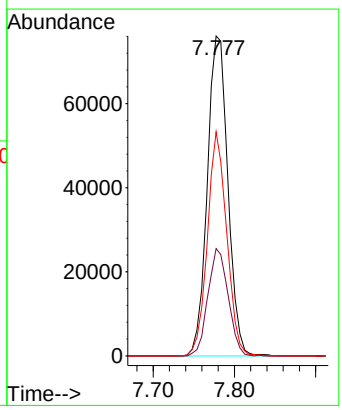
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

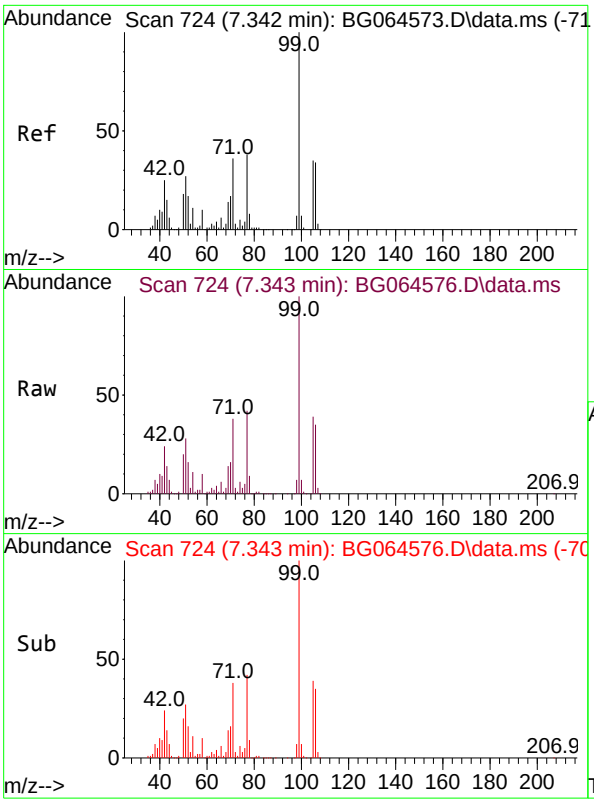


#8
2-Chlorophenol
Concen: 49.112 ng
RT: 7.777 min Scan# 798
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 134062

Ion	Ratio	Lower	Upper
128	100		
130	33.5	13.5	53.5
64	70.0	45.2	85.2

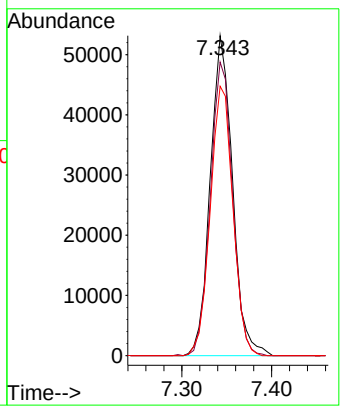




#9
Benzaldehyde
Concen: 46.812 ng
RT: 7.343 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 9145

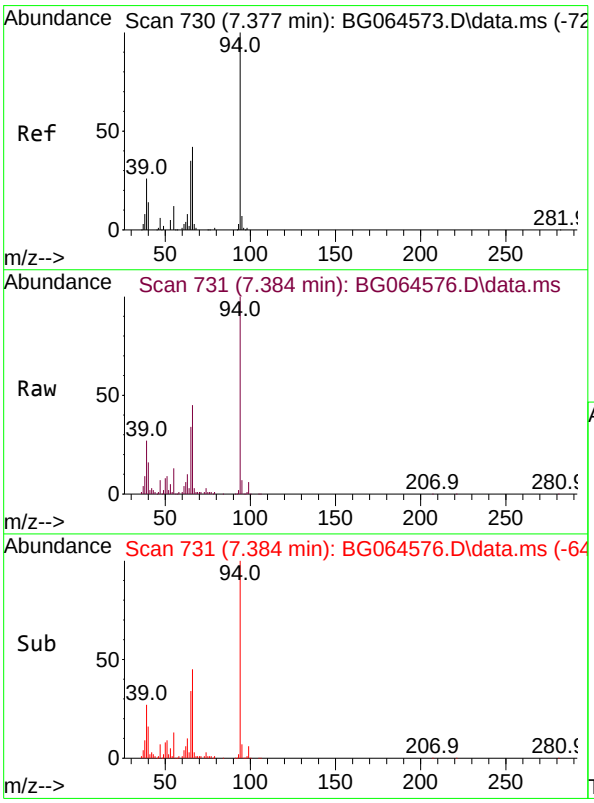
Ion	Ratio	Lower	Upper
77	100		
105	91.7	72.9	112.9
106	84.2	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

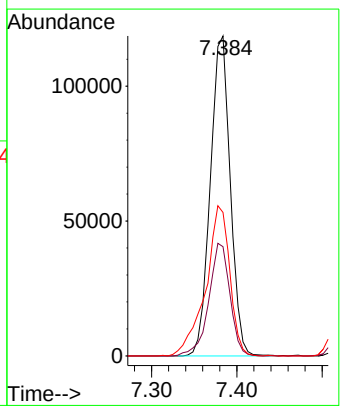
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

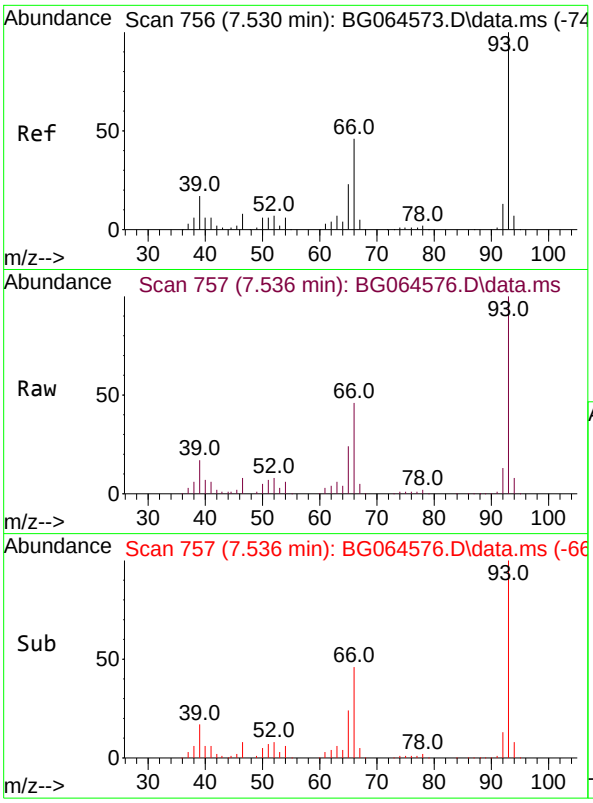


#10
Phenol
Concen: 48.681 ng
RT: 7.384 min Scan# 731
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 94 Resp: 192663

Ion	Ratio	Lower	Upper
94	100		
65	34.1	15.8	55.8
66	44.8	24.0	64.0

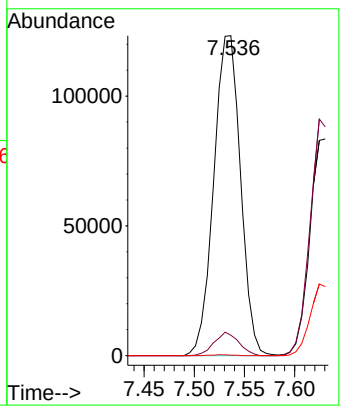




#11
bis(2-Chloroethyl)ether
Concen: 46.963 ng
RT: 7.536 min Scan# 7
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 22868

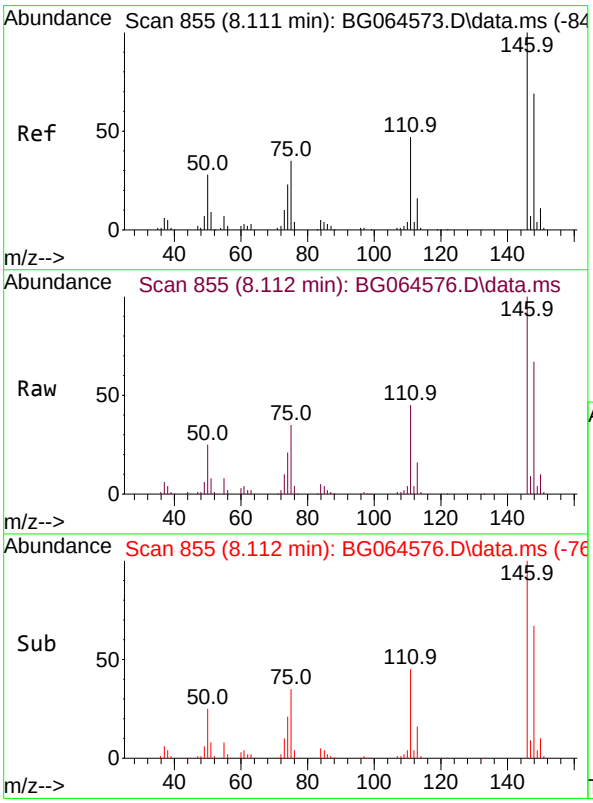
Ion	Ratio	Lower	Upper
93	100		
63	6.4	0.0	27.4
95	0.1	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

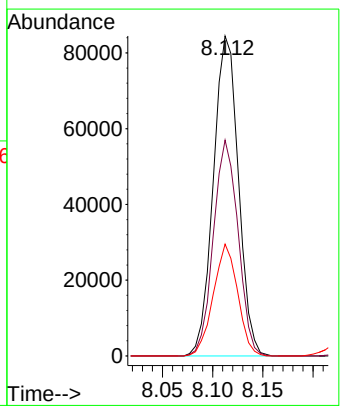
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

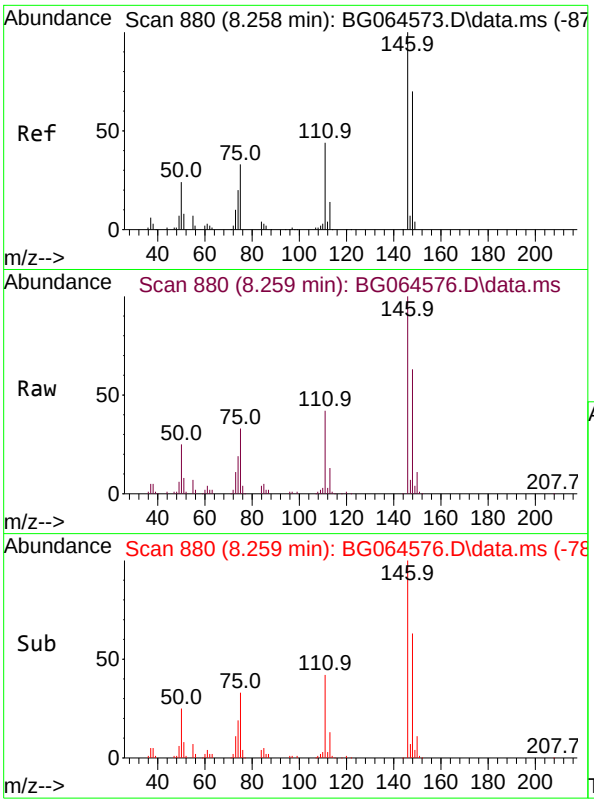


#12
1,3-Dichlorobenzene
Concen: 46.758 ng
RT: 8.112 min Scan# 855
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 146905

Ion	Ratio	Lower	Upper
146	100		
148	67.4	55.3	82.9
75	34.9	28.2	42.2

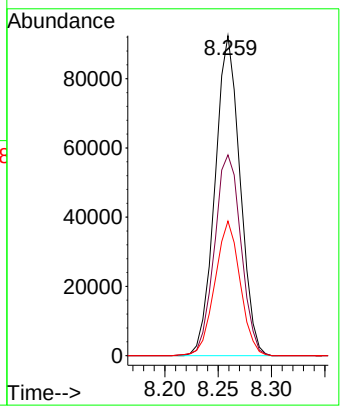




#13
1,4-Dichlorobenzene
Concen: 47.294 ng
RT: 8.259 min Scan# 8
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 15108

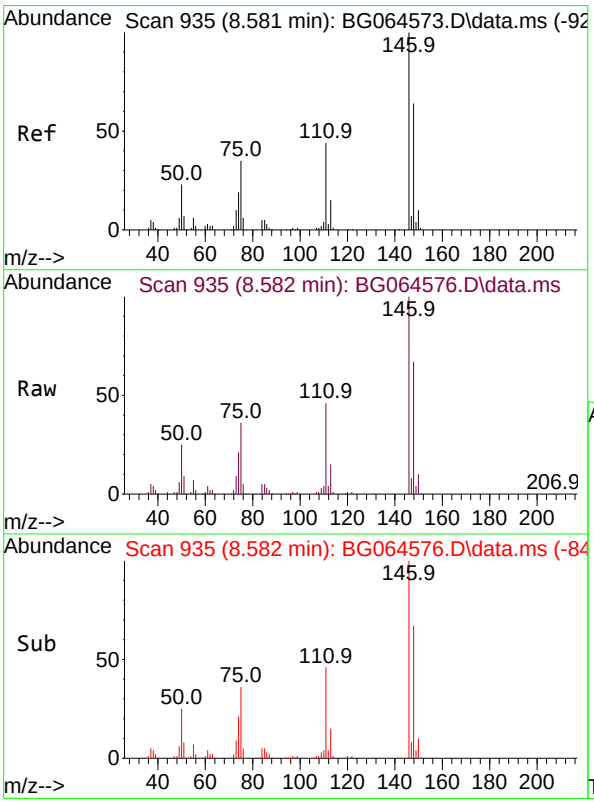
Ion	Ratio	Lower	Upper
146	100		
148	62.7	56.2	84.4
111	42.0	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

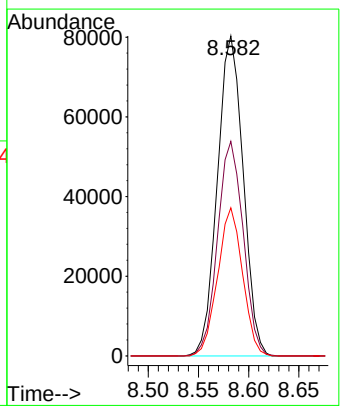
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

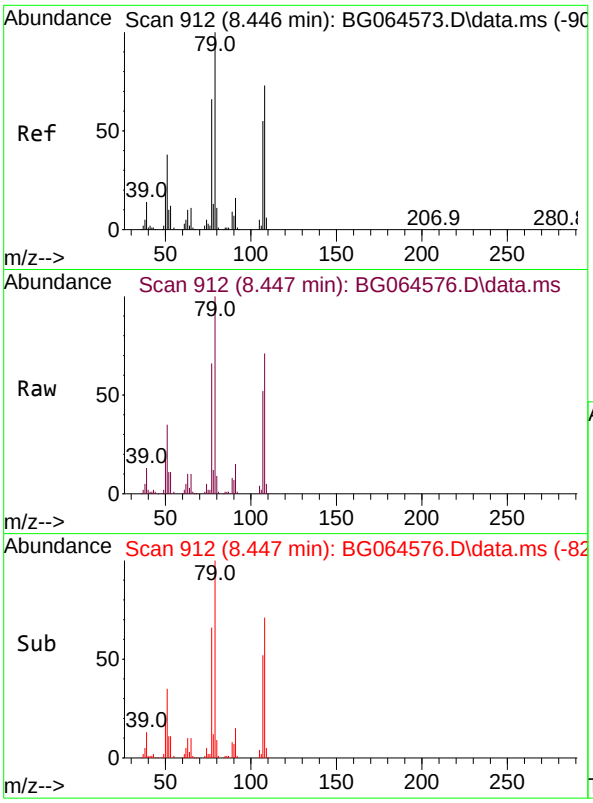


#14
1,2-Dichlorobenzene
Concen: 46.729 ng
RT: 8.582 min Scan# 935
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:146 Resp: 143986

Ion	Ratio	Lower	Upper
146	100		
148	67.0	51.5	77.3
111	46.3	35.0	52.6

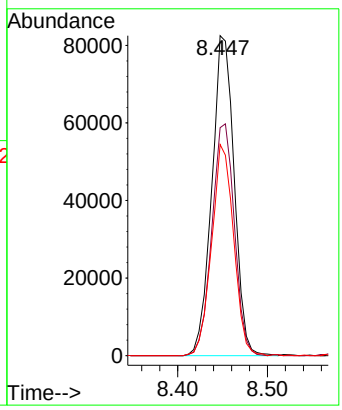




#15
Benzyl Alcohol
Concen: 48.417 ng
RT: 8.447 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 79 Resp: 14288

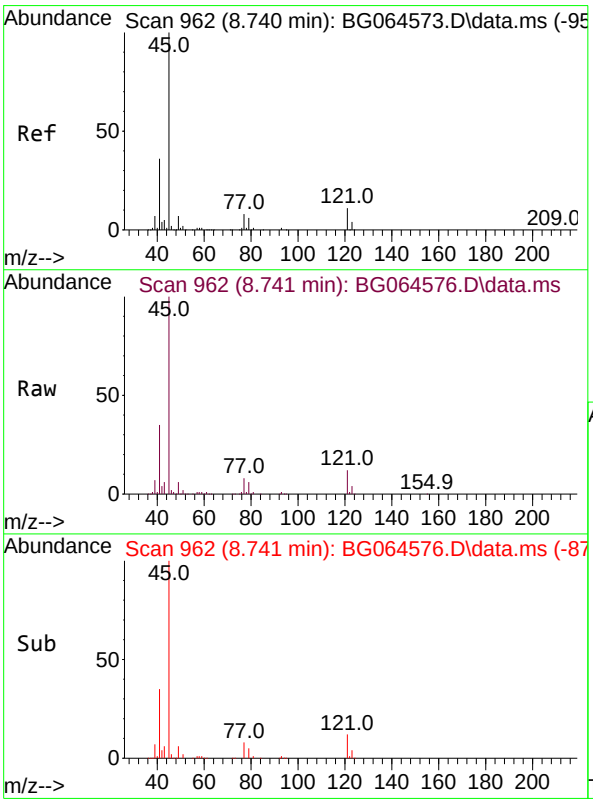
Ion	Ratio	Lower	Upper
79	100		
108	71.2	58.1	87.1
77	66.0	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

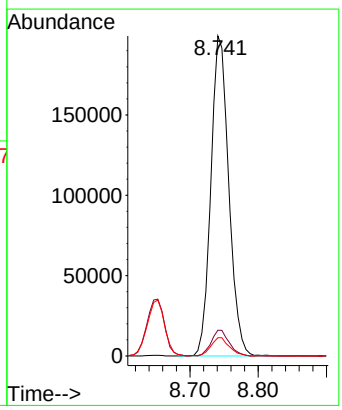
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

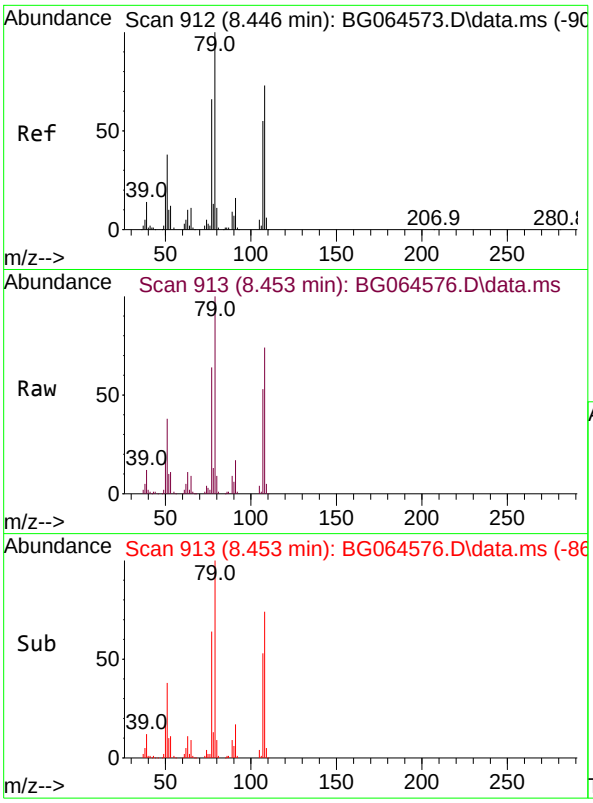


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.332 ng
RT: 8.741 min Scan# 962
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 45 Resp: 361264

Ion	Ratio	Lower	Upper
45	100		
77	8.0	0.0	28.5
79	5.7	0.0	25.6

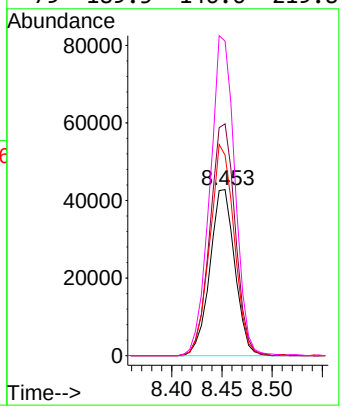




#17
2-Methylphenol
Concen: 50.198 ng
RT: 8.453 min Scan# 91
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 7404

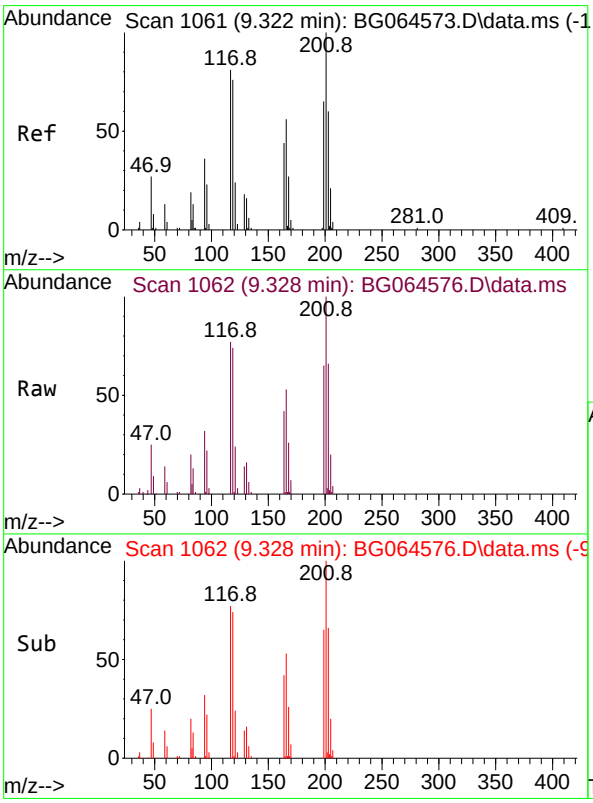
Ion	Ratio	Lower	Upper
107	100		
108	139.7	106.4	159.6
77	120.8	96.7	145.1
79	189.5	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

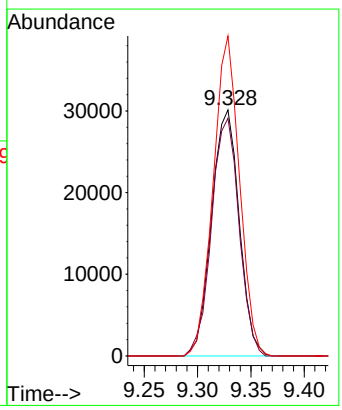
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

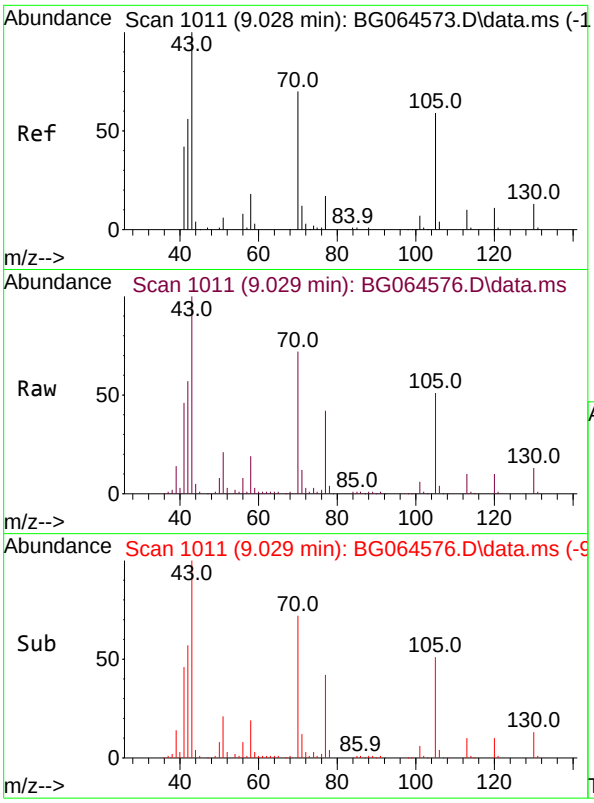


#18
Hexachloroethane
Concen: 48.463 ng
RT: 9.328 min Scan# 1062
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:117 Resp: 54330

Ion	Ratio	Lower	Upper
117	100		
119	96.5	75.4	113.2
201	134.0	99.2	148.8

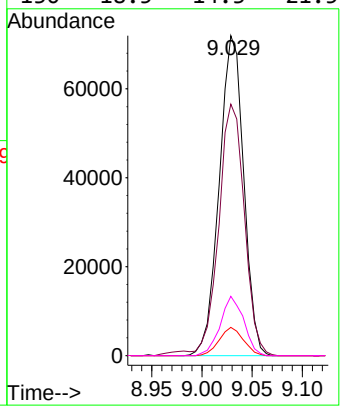




#19
n-Nitroso-di-n-propylamine
Concen: 49.350 ng
RT: 9.029 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 70 Resp: 12205

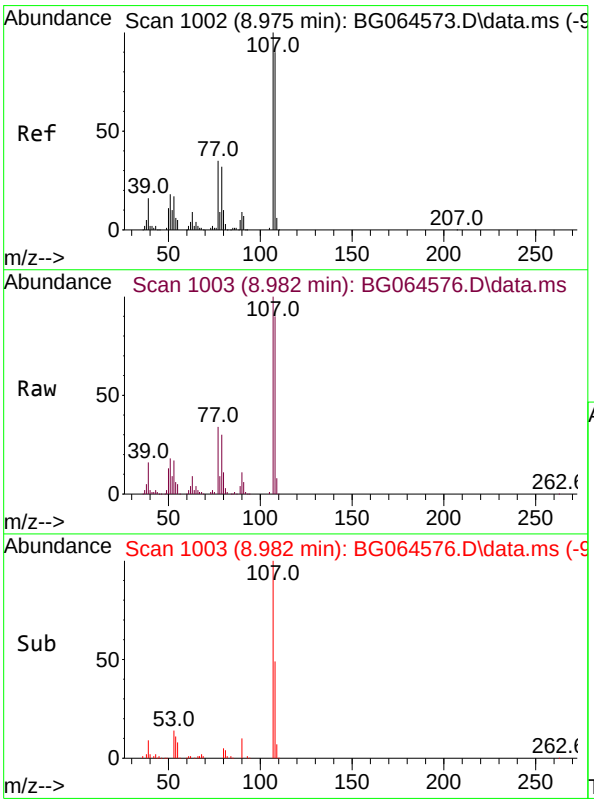
Ion	Ratio	Lower	Upper
70	100		
42	78.6	65.2	97.8
101	8.8	7.9	11.9
130	18.5	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

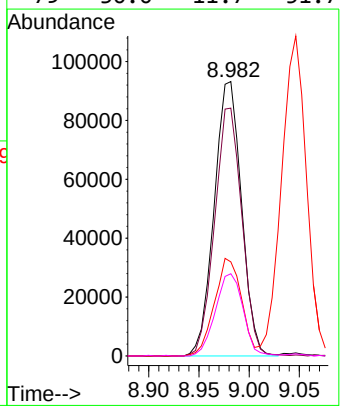
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

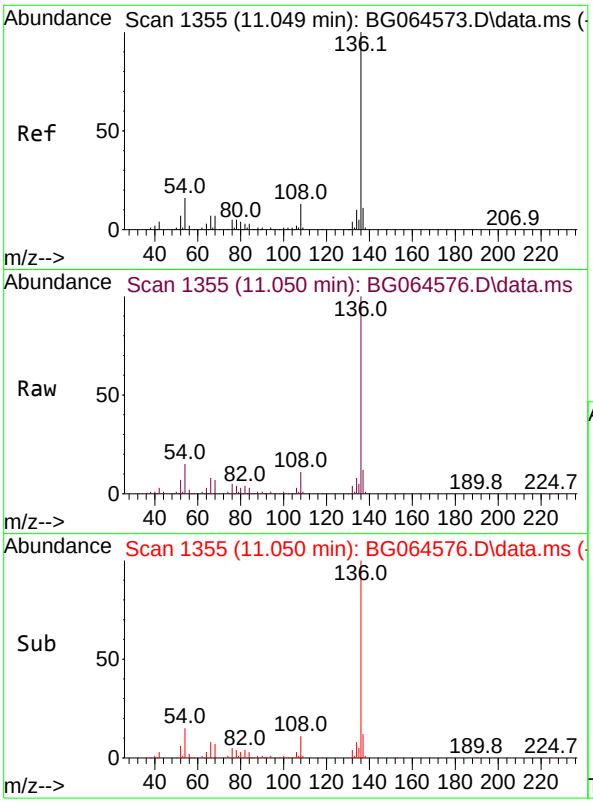


#20
3+4-Methylphenols
Concen: 47.740 ng
RT: 8.982 min Scan# 1003
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 176415

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.3	110.3
77	34.2	14.6	54.6
79	30.0	11.7	51.7

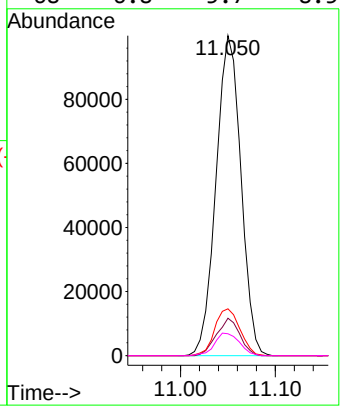




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.050 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:136 Resp: 18227

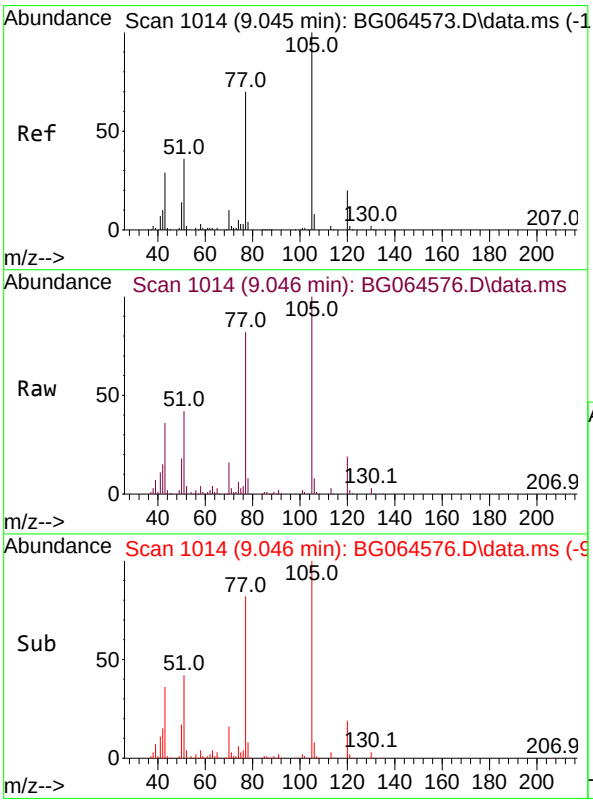
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	14.6	12.6	19.0
68	6.8	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

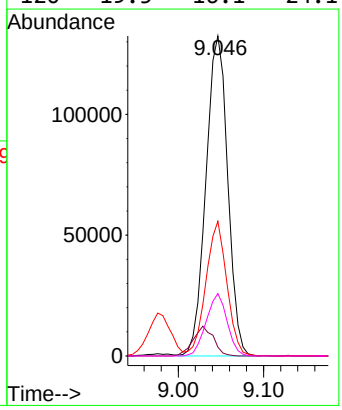
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

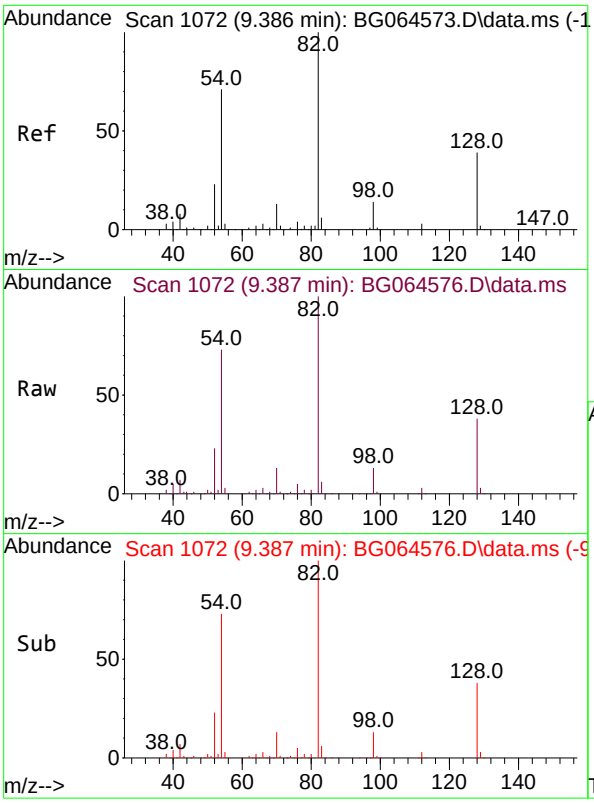


#22
Acetophenone
Concen: 47.155 ng
RT: 9.046 min Scan# 1014
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:105 Resp: 234956

Ion	Ratio	Lower	Upper
105	100		
71	2.8	1.5	2.3#
51	42.1	33.7	50.5
120	19.5	16.1	24.1

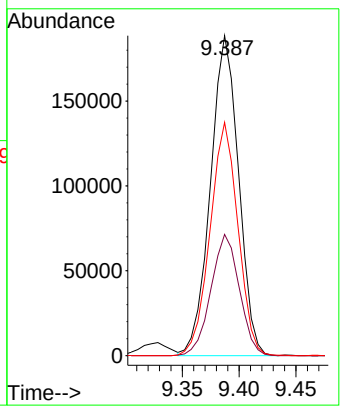




#23
Nitrobenzene-d5
Concen: 106.847 ng
RT: 9.387 min Scan# 10
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 324249

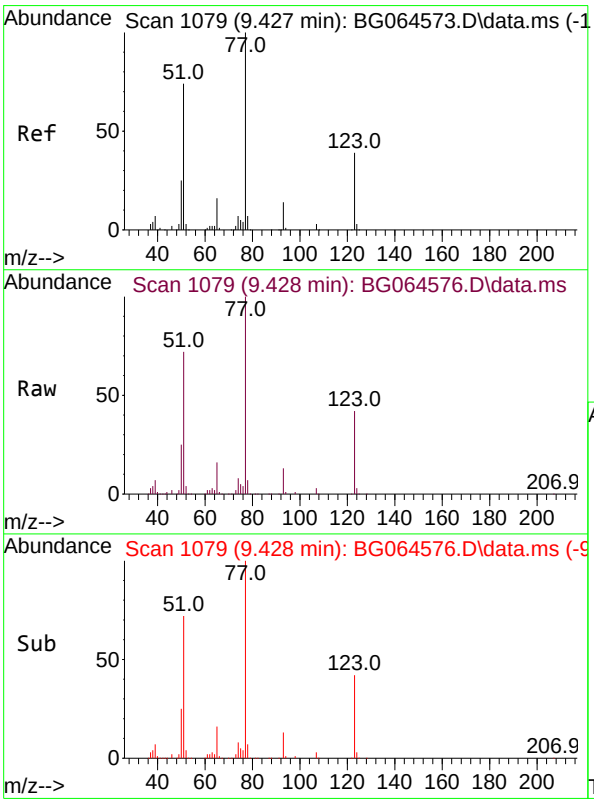
Ion	Ratio	Lower	Upper
82	100		
128	37.9	31.3	46.9
54	72.9	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

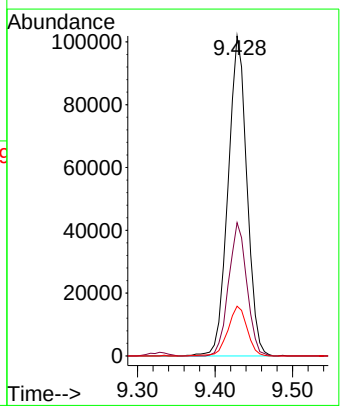
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

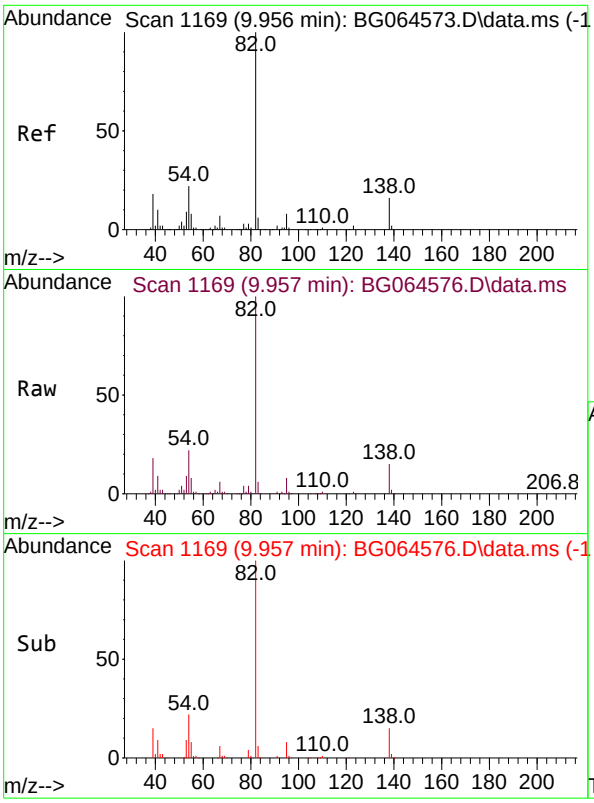


#24
Nitrobenzene
Concen: 52.060 ng
RT: 9.428 min Scan# 1079
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 171837

Ion	Ratio	Lower	Upper
77	100		
123	41.6	31.0	46.6
65	15.5	12.7	19.1

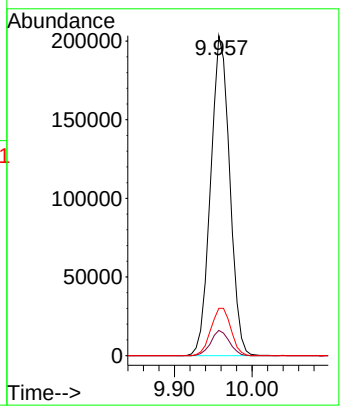




#25
Isophorone
Concen: 47.813 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 82 Resp: 34817

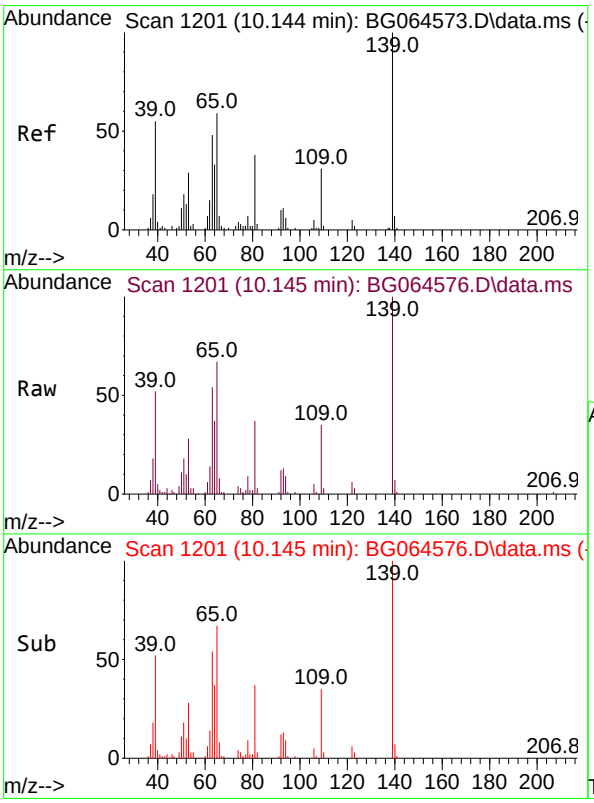
Ion	Ratio	Lower	Upper
82	100		
95	7.9	6.1	9.1
138	14.8	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

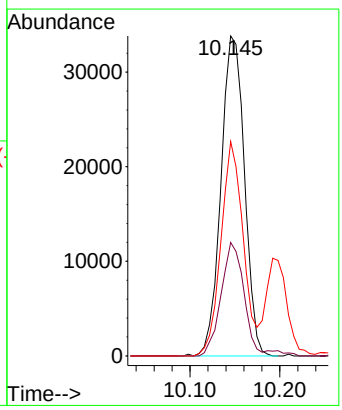
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

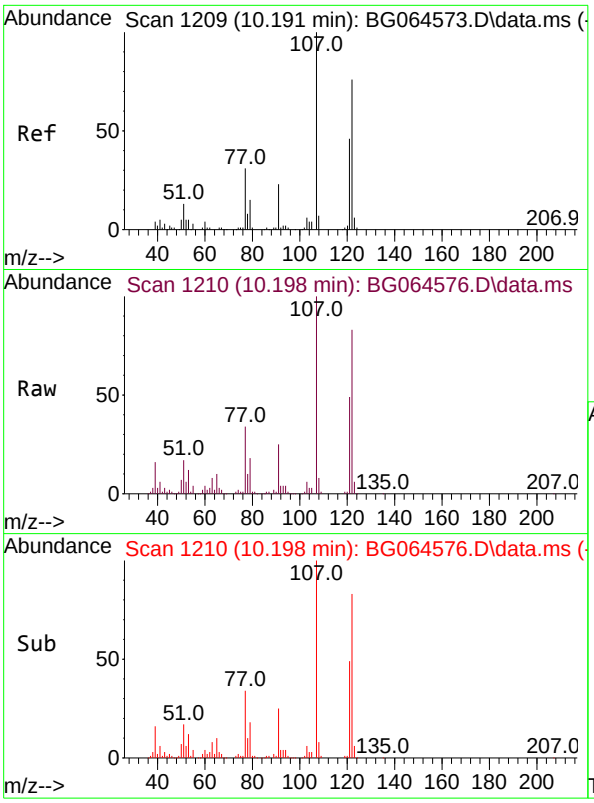


#26
2-Nitrophenol
Concen: 48.353 ng
RT: 10.145 min Scan# 1201
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 61611

Ion	Ratio	Lower	Upper
139	100		
109	35.4	24.6	37.0
65	67.0	47.5	71.3

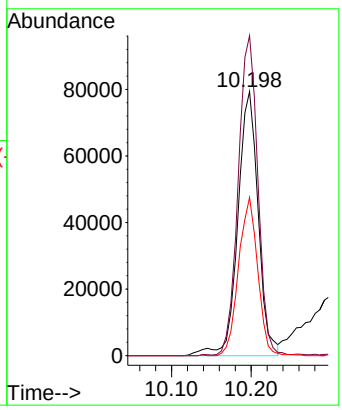




#27
2,4-Dimethylphenol
Concen: 50.979 ng m
RT: 10.198 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 14085

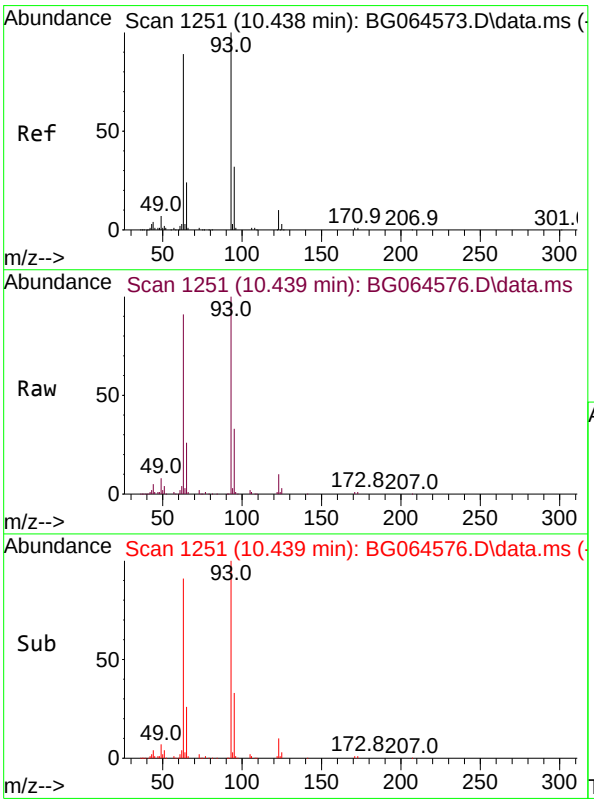
Ion	Ratio	Lower	Upper
122	100		
107	121.2	103.0	154.4
121	59.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

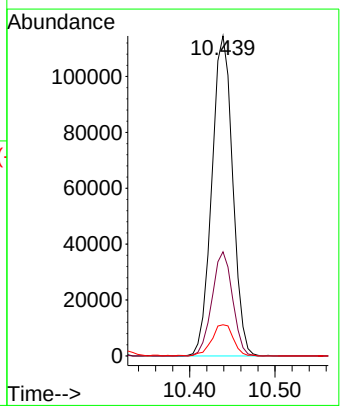
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

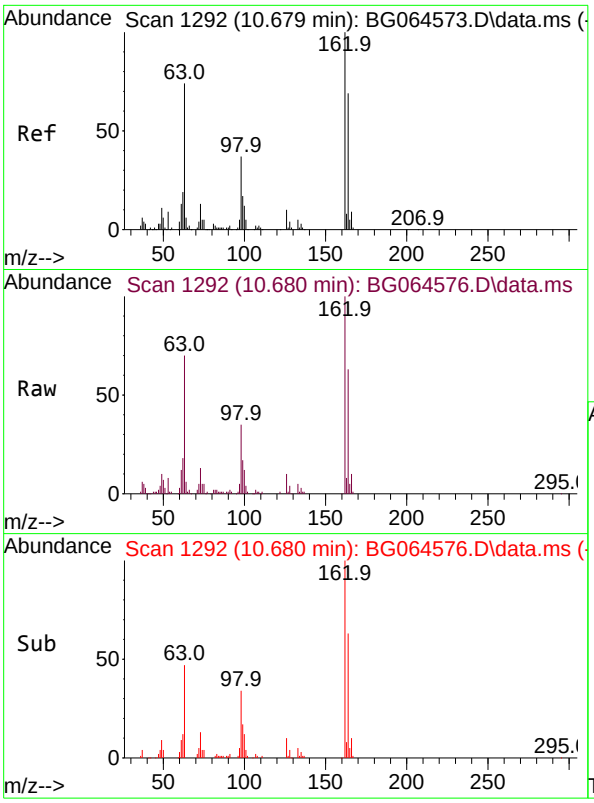


#28
bis(2-Chloroethoxy)methane
Concen: 46.800 ng
RT: 10.439 min Scan# 1251
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 93 Resp: 194038

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.4	38.2
123	9.7	8.4	12.6

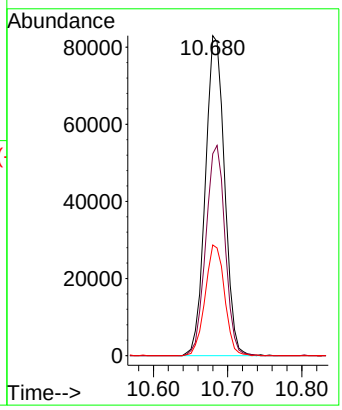




#29
2,4-Dichlorophenol
Concen: 51.062 ng
RT: 10.680 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 14885

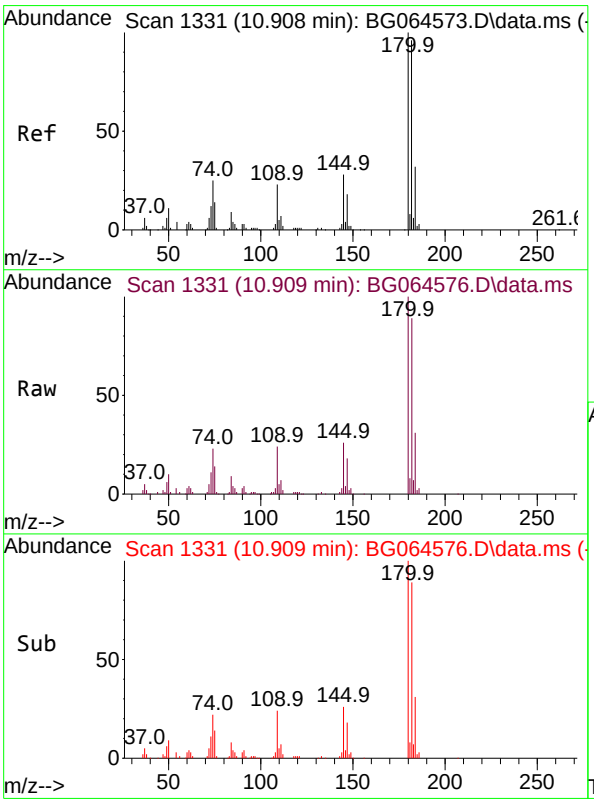
Ion	Ratio	Lower	Upper
162	100		
164	63.1	48.7	88.7
98	34.6	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

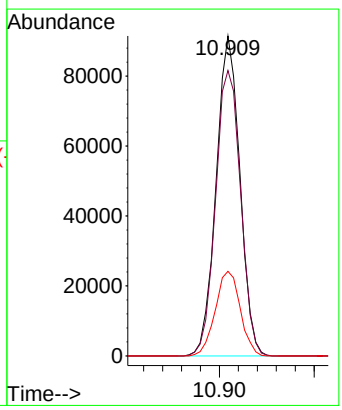
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

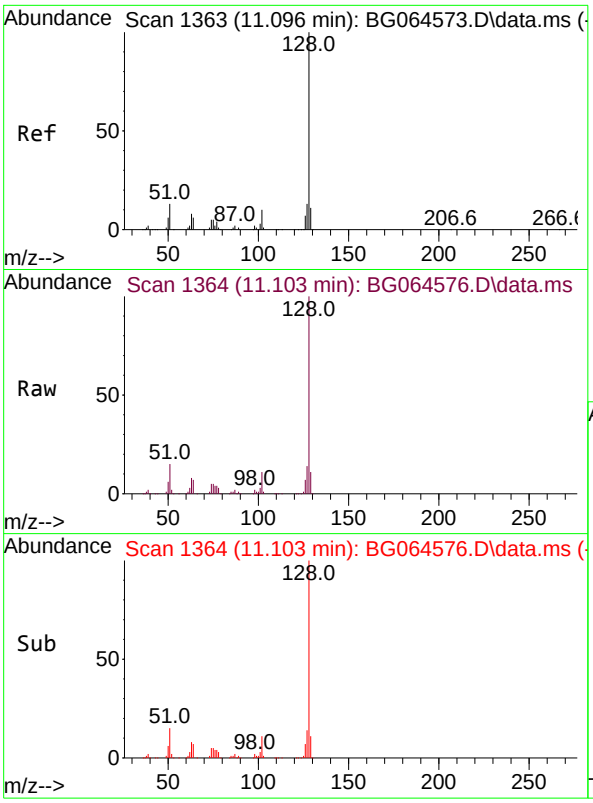


#30
1,2,4-Trichlorobenzene
Concen: 48.068 ng
RT: 10.909 min Scan# 1331
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:180 Resp: 159207

Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.9	115.3
145	26.4	22.1	33.1

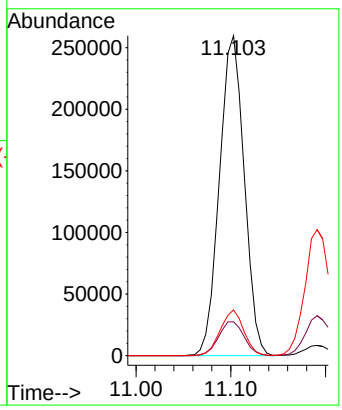




#31
Naphthalene
Concen: 46.695 ng
RT: 11.103 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:128 Resp: 471891

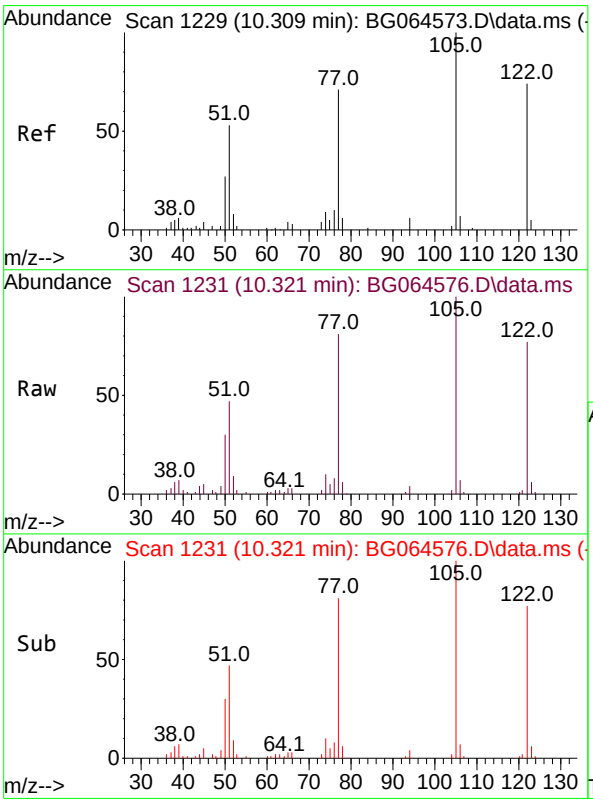
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

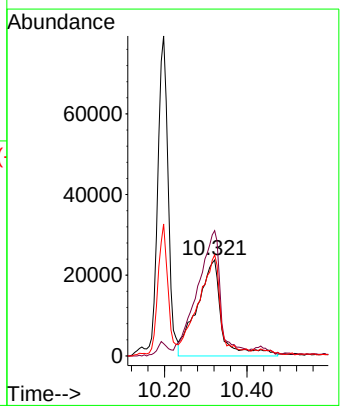
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

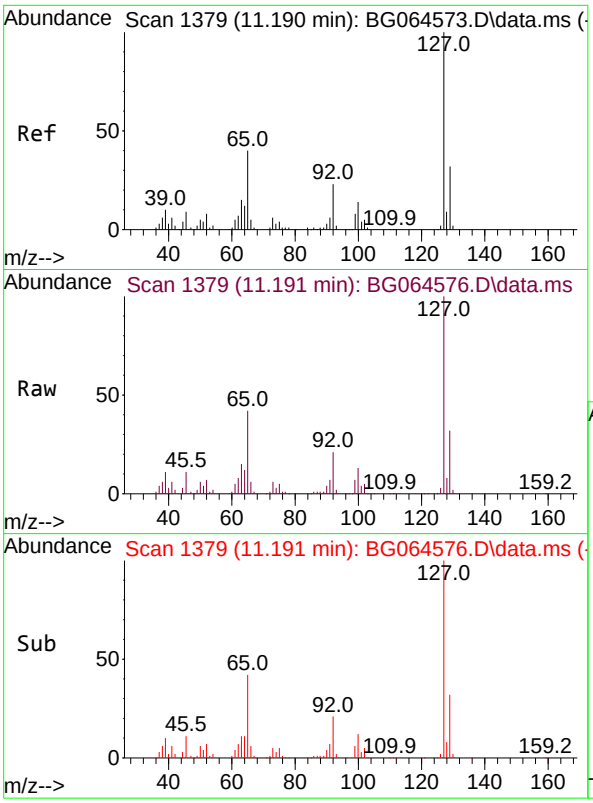


#32
Benzoic acid
Concen: 48.883 ng m
RT: 10.321 min Scan# 1231
Delta R.T. -0.021 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:122 Resp: 97652

Ion	Ratio	Lower	Upper
122	100		
105	130.6	104.2	144.2
77	105.4	70.2	110.2

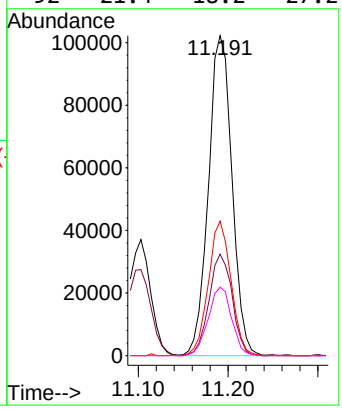




#33
4-Chloroaniline
Concen: 47.560 ng
RT: 11.191 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:127 Resp: 18681

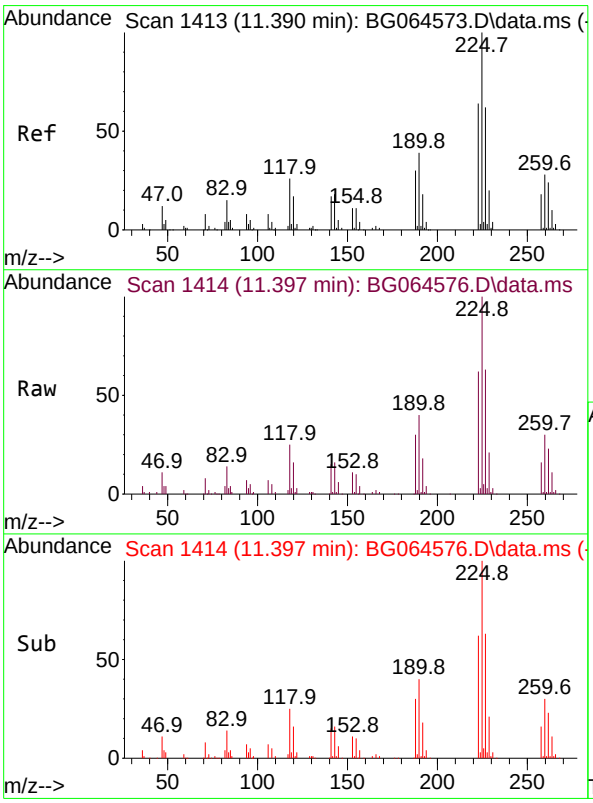
Ion	Ratio	Lower	Upper
127	100		
129	31.7	25.5	38.3
65	42.0	32.2	48.4
92	21.4	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

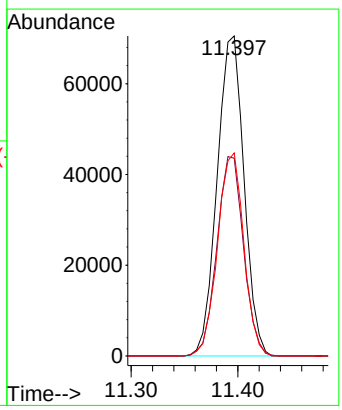
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

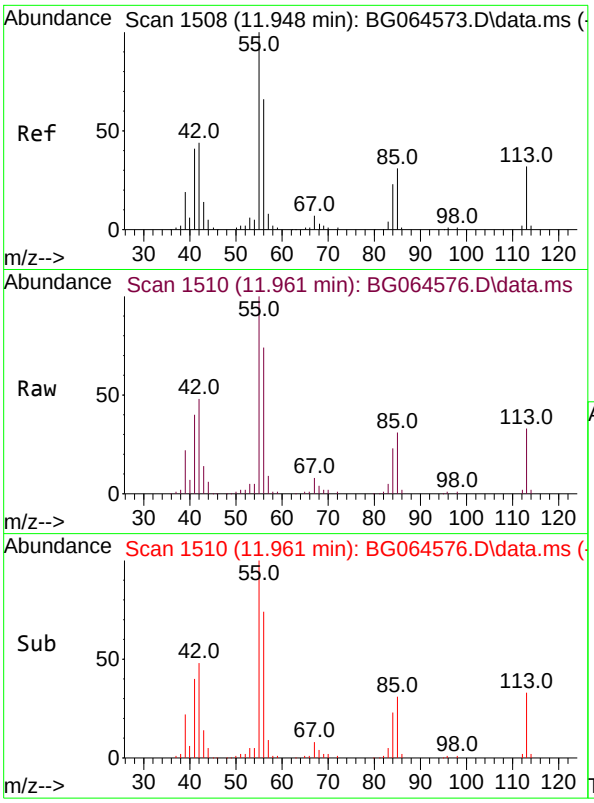


#34
Hexachlorobutadiene
Concen: 47.716 ng
RT: 11.397 min Scan# 1414
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:225 Resp: 123596

Ion	Ratio	Lower	Upper
225	100		
223	59.0	48.8	73.2
227	63.1	49.5	74.3

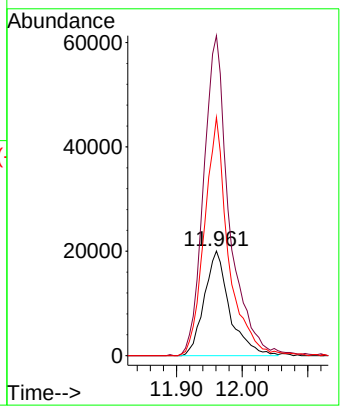




#35
Caprolactam
Concen: 48.020 ng
RT: 11.961 min Scan# 1
Delta R.T. -0.014 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:113 Resp: 5368

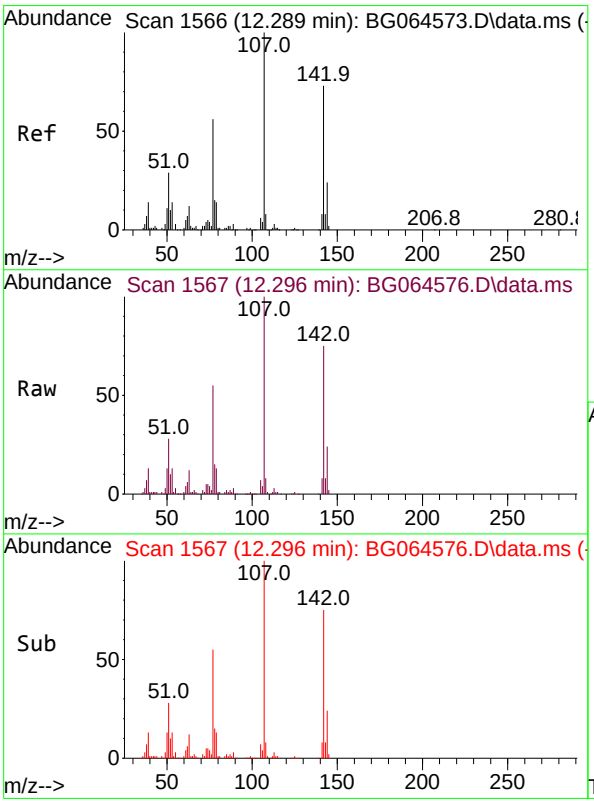
Ion	Ratio	Lower	Upper
113	100		
55	305.8	290.1	330.1
56	227.6	183.8	223.8#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

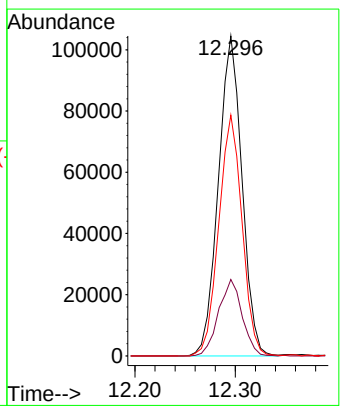
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

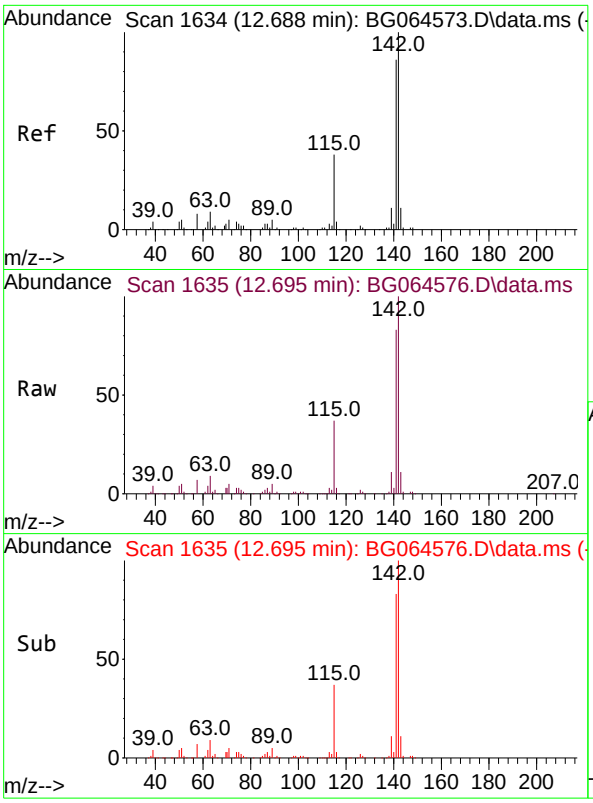


#36
4-Chloro-3-methylphenol
Concen: 48.836 ng
RT: 12.296 min Scan# 1567
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:107 Resp: 171120

Ion	Ratio	Lower	Upper
107	100		
144	23.9	19.1	28.7
142	75.2	58.6	87.8

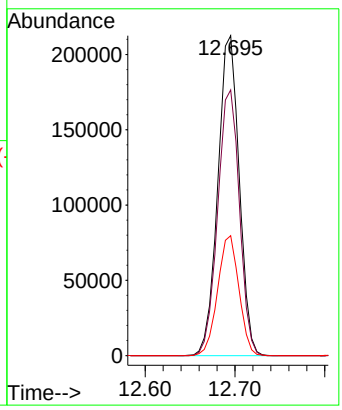




#37
2-Methylnaphthalene
Concen: 47.435 ng
RT: 12.695 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 351946

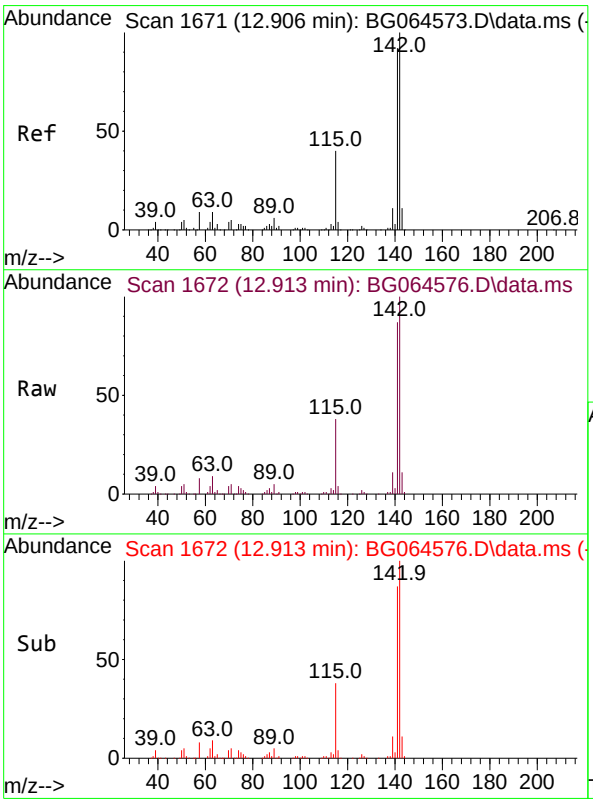
Ion	Ratio	Lower	Upper
142	100		
141	83.0	68.9	103.3
115	37.5	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

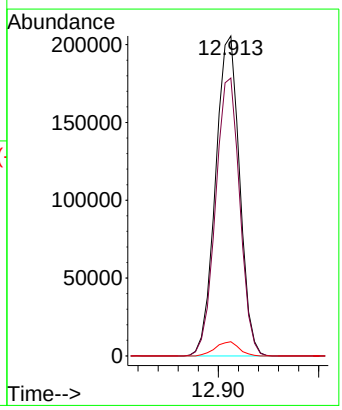
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

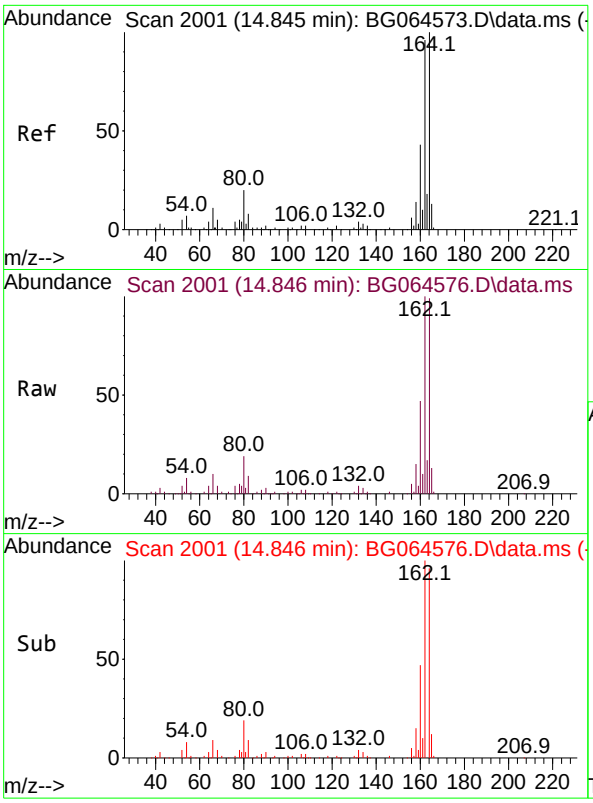


#38
1-Methylnaphthalene
Concen: 46.939 ng
RT: 12.913 min Scan# 1672
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:142 Resp: 342687

Ion	Ratio	Lower	Upper
142	100		
141	86.8	73.3	109.9
116	4.4	3.1	4.7

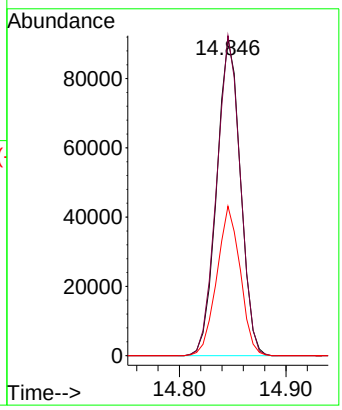




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.846 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:164 Resp: 14203

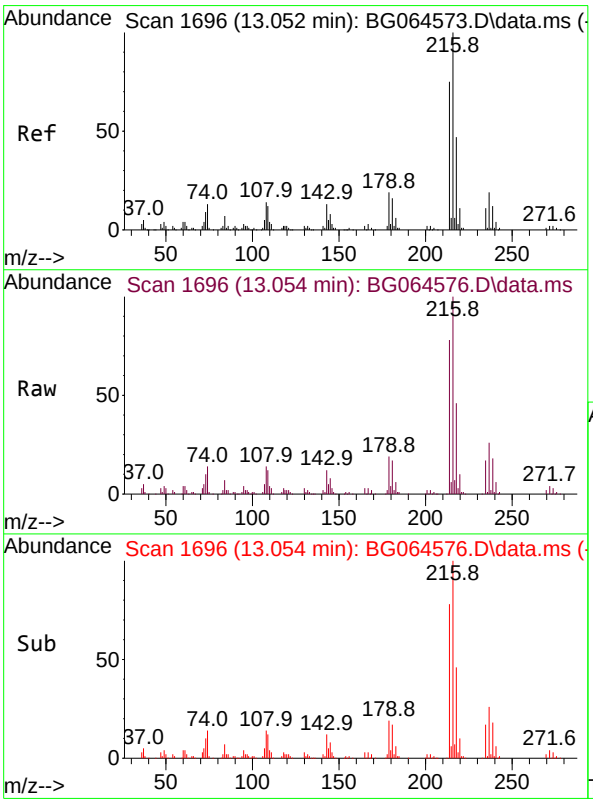
Ion	Ratio	Lower	Upper
164	100		
162	101.1	77.0	115.6
160	47.2	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

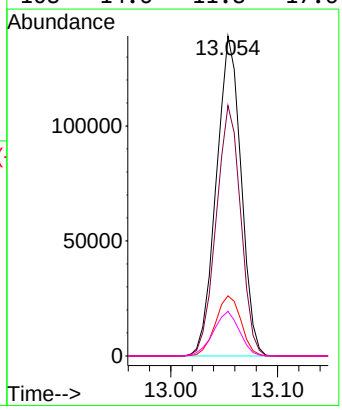
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

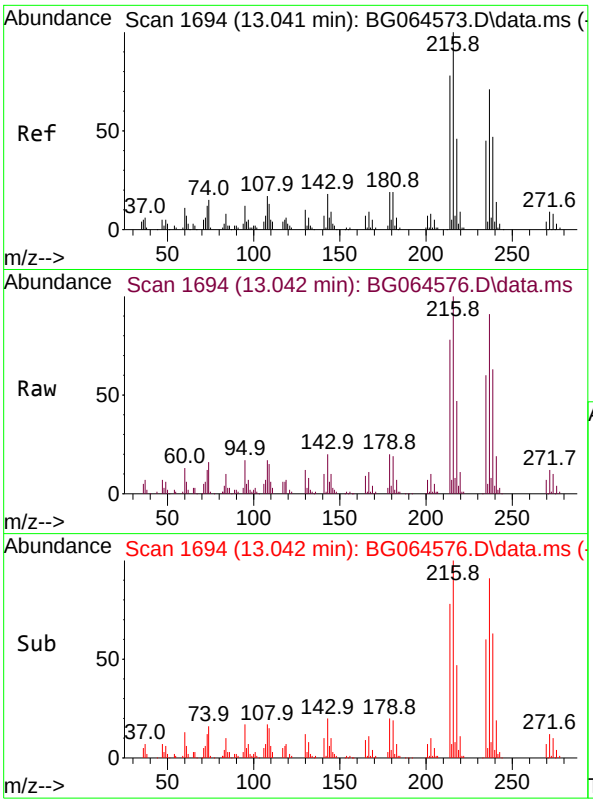


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.131 ng
RT: 13.054 min Scan# 1696
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:216 Resp: 224658

Ion	Ratio	Lower	Upper
216	100		
214	77.5	61.4	92.2
179	19.4	15.4	23.0
108	14.6	11.8	17.6

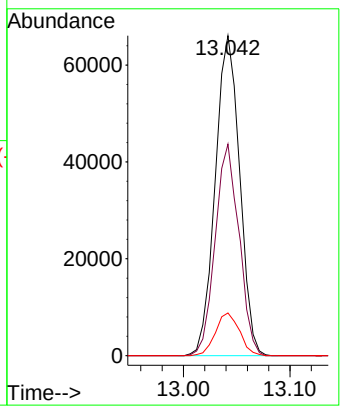




#41
Hexachlorocyclopentadiene
Concen: 49.131 ng
RT: 13.042 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:237 Resp: 10541

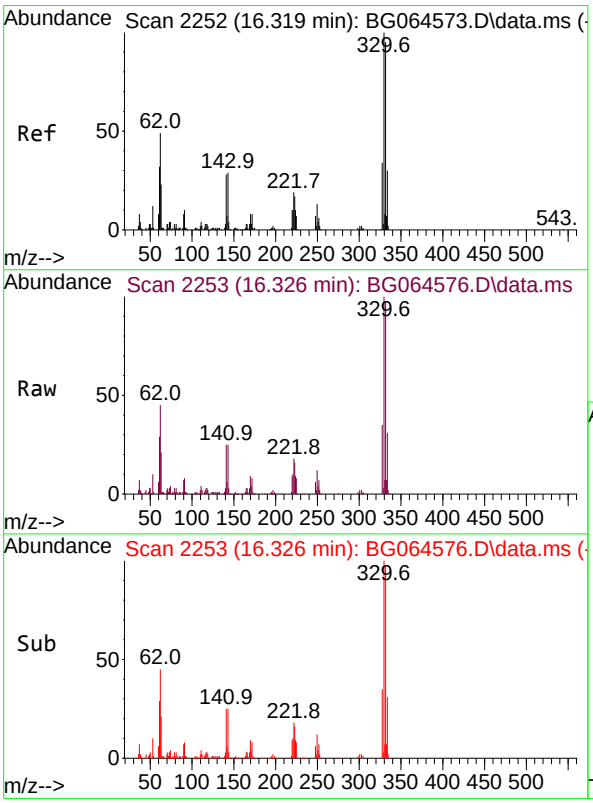
Ion	Ratio	Lower	Upper
237	100		
235	66.1	44.1	84.1
272	13.3	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

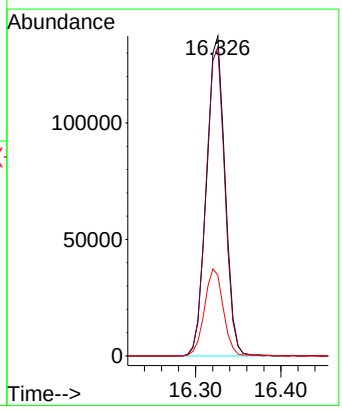
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

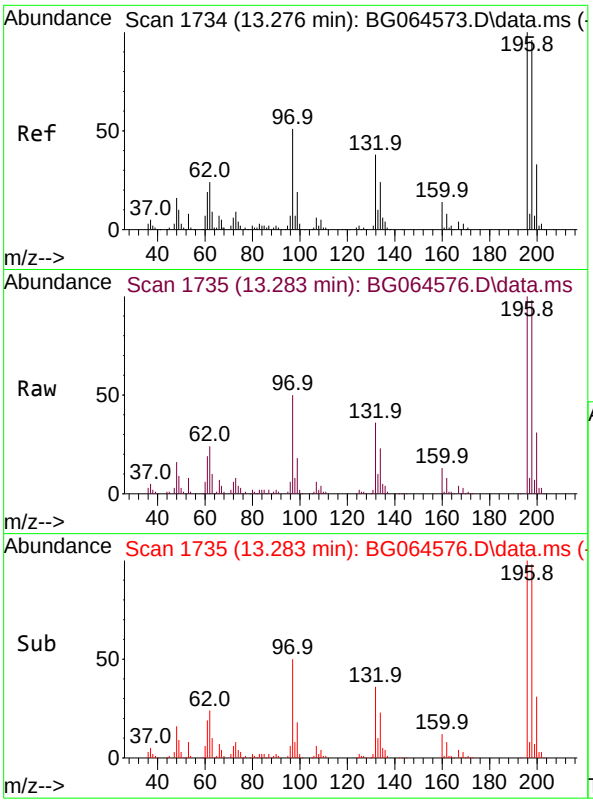


#42
2,4,6-Tribromophenol
Concen: 101.122 ng
RT: 16.326 min Scan# 2253
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:330 Resp: 207294

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	27.6	21.8	32.6

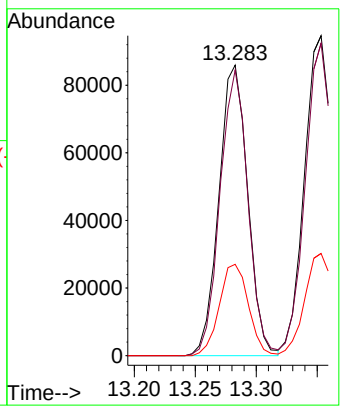




#43
2,4,6-Trichlorophenol
Concen: 51.898 ng
RT: 13.283 min Scan# 1
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 14150

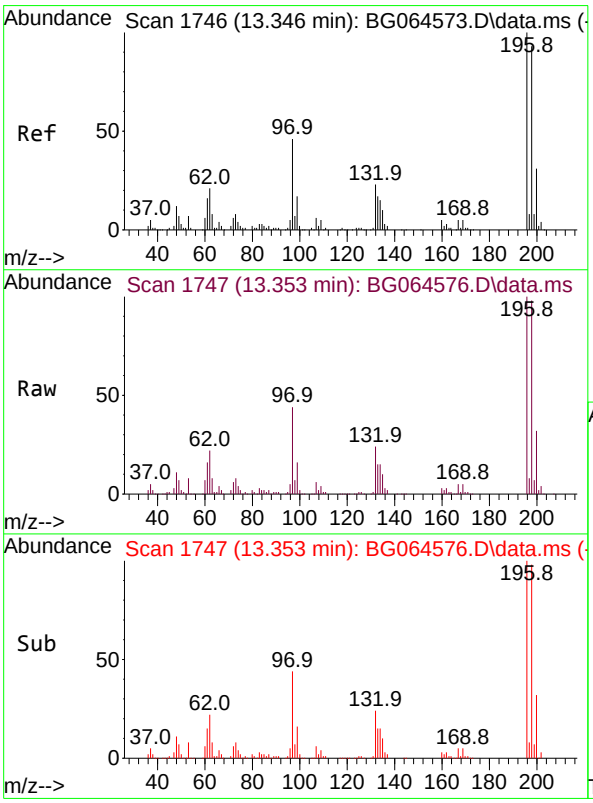
Ion	Ratio	Lower	Upper
196	100		
198	98.3	76.6	115.0
200	31.4	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

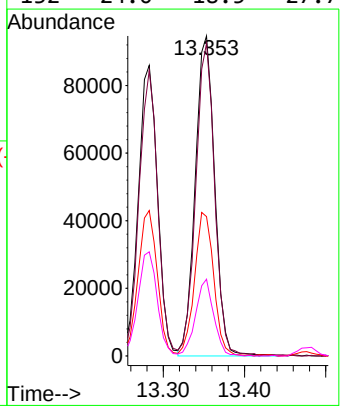
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

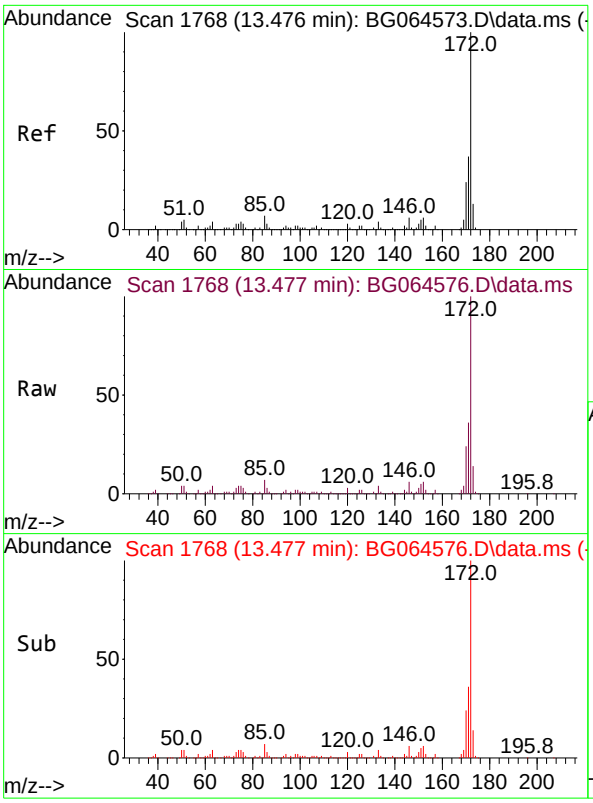


#44
2,4,5-Trichlorophenol
Concen: 49.997 ng
RT: 13.353 min Scan# 1747
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:196 Resp: 157315

Ion	Ratio	Lower	Upper
196	100		
198	97.6	74.2	111.4
97	43.5	37.0	55.6
132	24.0	18.5	27.7

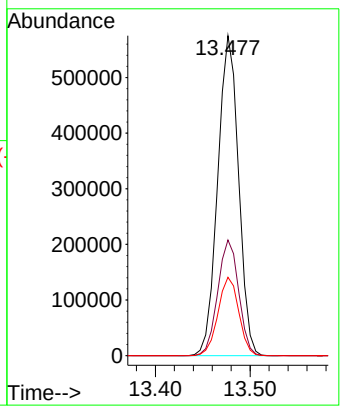




#45
2-Fluorobiphenyl
Concen: 93.626 ng
RT: 13.477 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:172 Resp: 87731

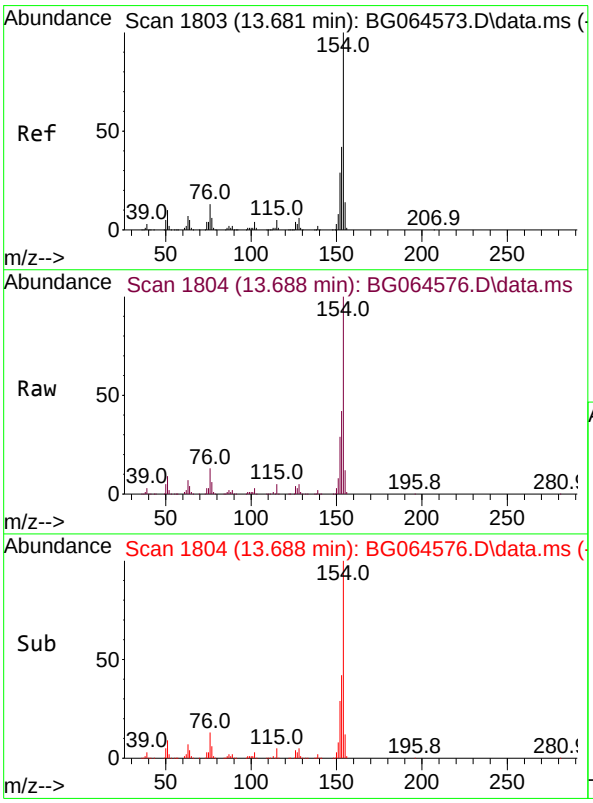
Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.4	44.0
170	24.5	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

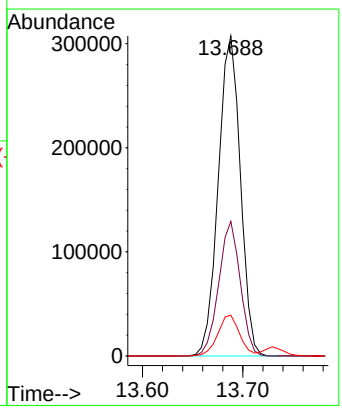
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

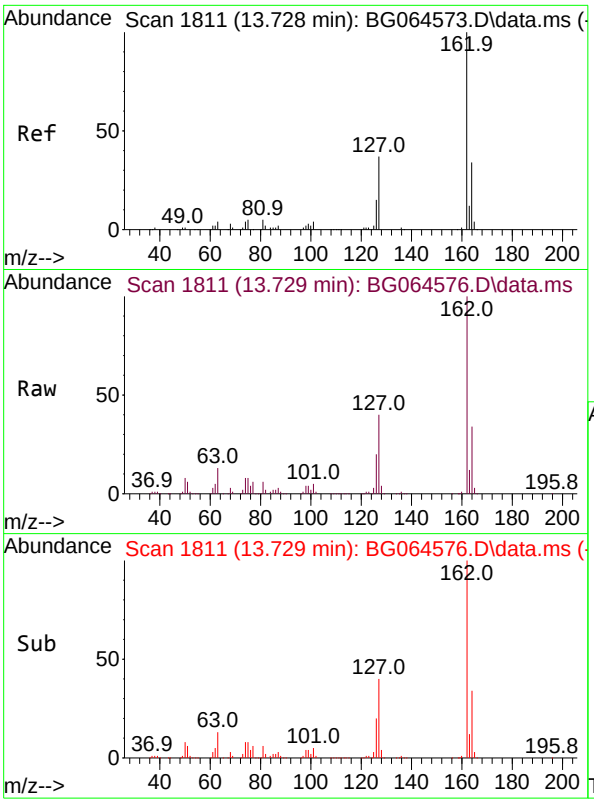


#46
1,1'-Biphenyl
Concen: 46.613 ng
RT: 13.688 min Scan# 1804
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 470676

Ion	Ratio	Lower	Upper
154	100		
153	42.0	22.4	62.4
76	12.8	0.0	33.5

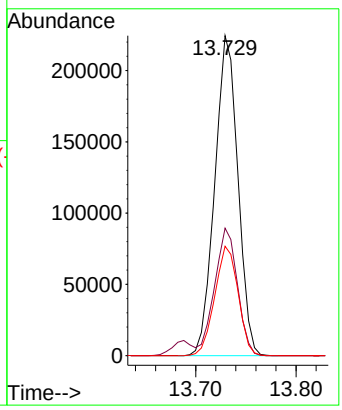




#47
2-Chloronaphthalene
Concen: 47.208 ng
RT: 13.729 min Scan# 18
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:162 Resp: 359811

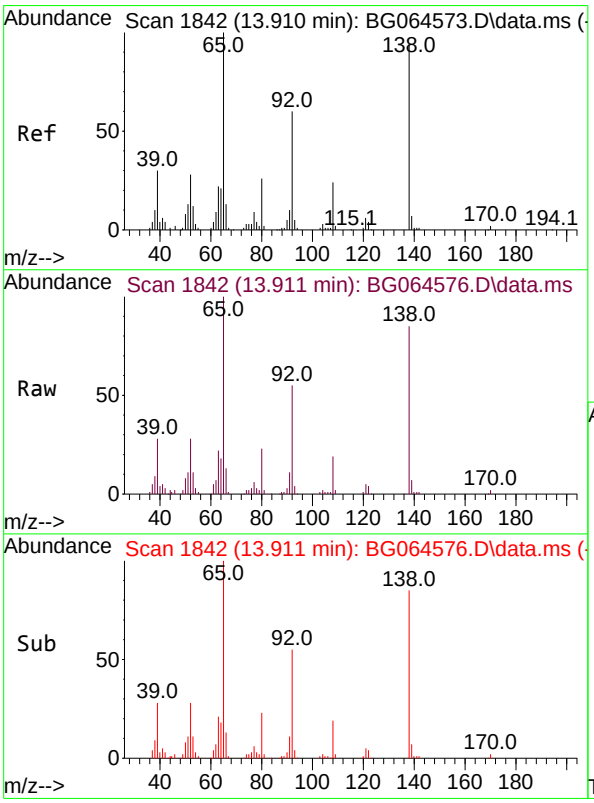
Ion	Ratio	Lower	Upper
162	100		
127	39.8	32.2	48.2
164	34.2	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

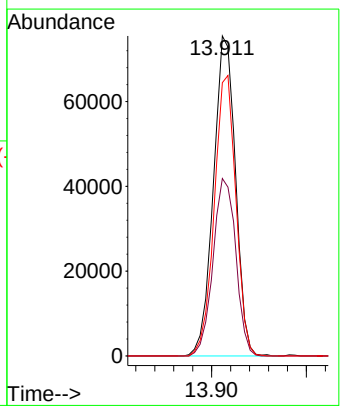
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

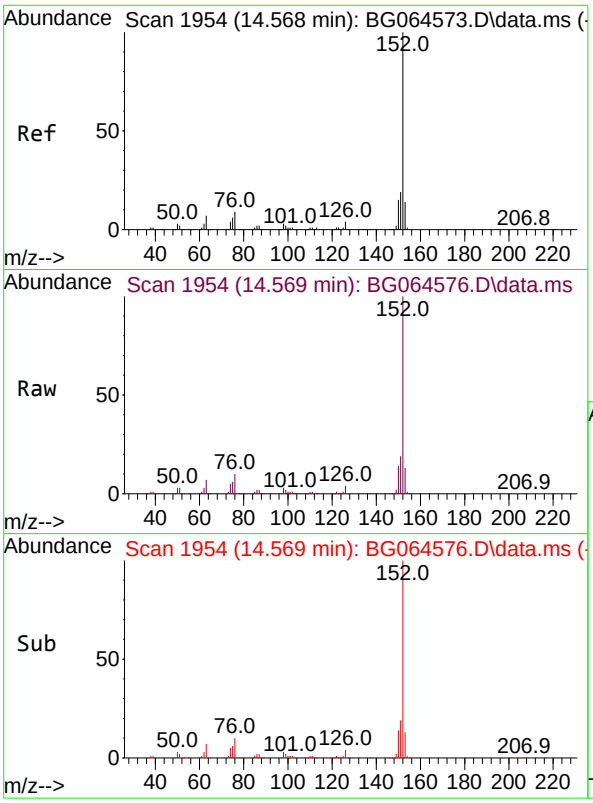


#48
2-Nitroaniline
Concen: 47.668 ng
RT: 13.911 min Scan# 1842
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 65 Resp: 121908

Ion	Ratio	Lower	Upper
65	100		
92	55.4	48.3	72.5
138	85.4	74.9	112.3

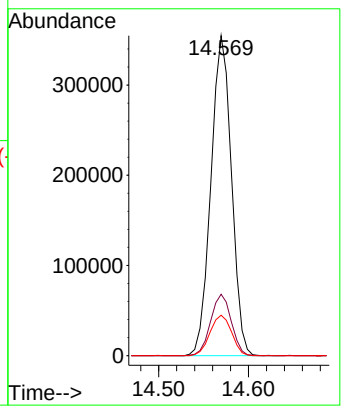




#49
Acenaphthylene
Concen: 47.060 ng
RT: 14.569 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:152 Resp: 56577

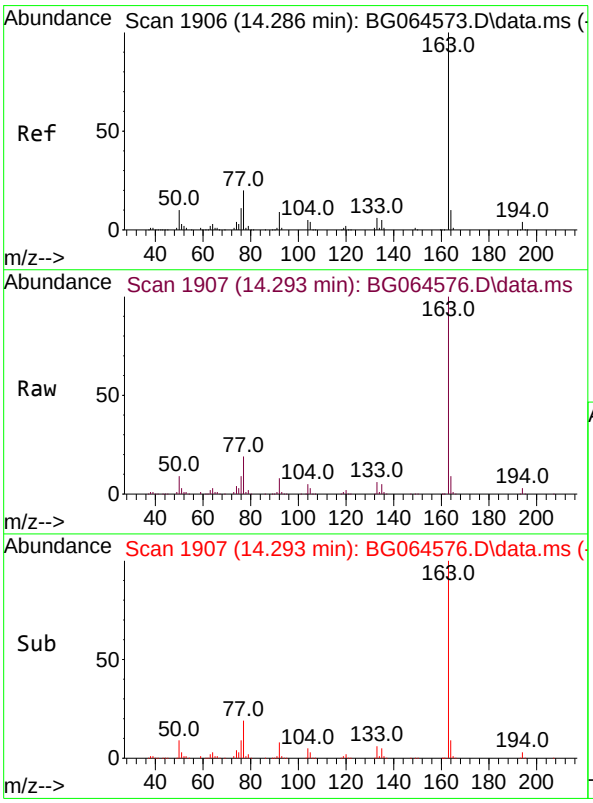
Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.2
153	12.6	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

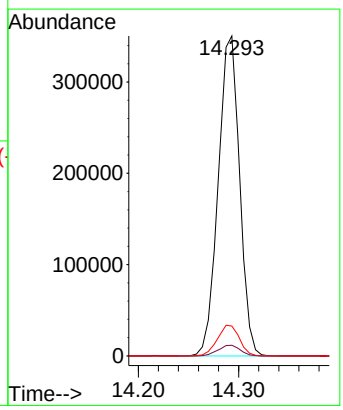
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

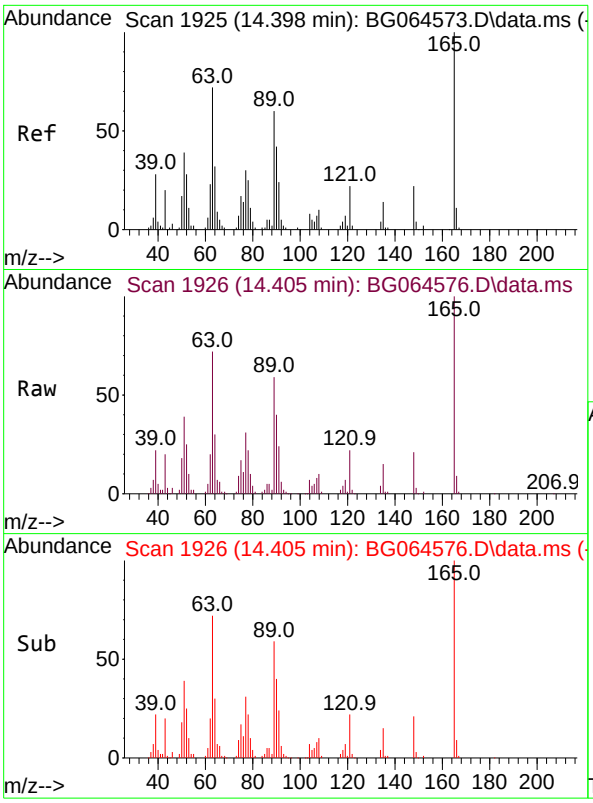


#50
Dimethylphthalate
Concen: 47.781 ng
RT: 14.293 min Scan# 1907
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:163 Resp: 519303

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.3	7.7	11.5

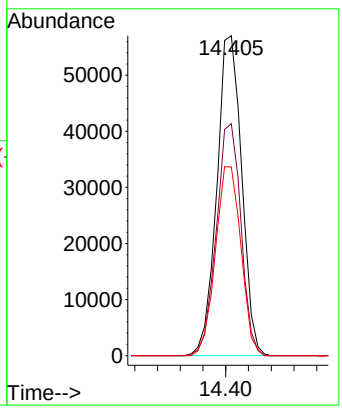




#51
2,6-Dinitrotoluene
Concen: 48.306 ng
RT: 14.405 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 8666

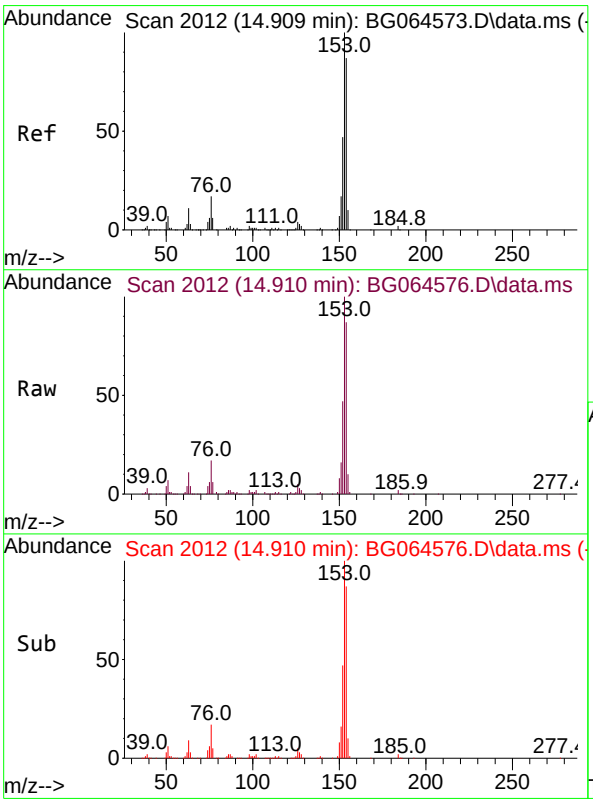
Ion	Ratio	Lower	Upper
165	100		
63	72.5	57.4	86.0
89	58.9	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

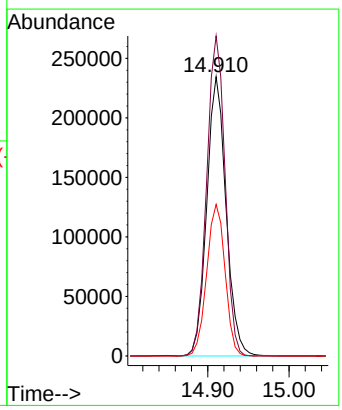
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

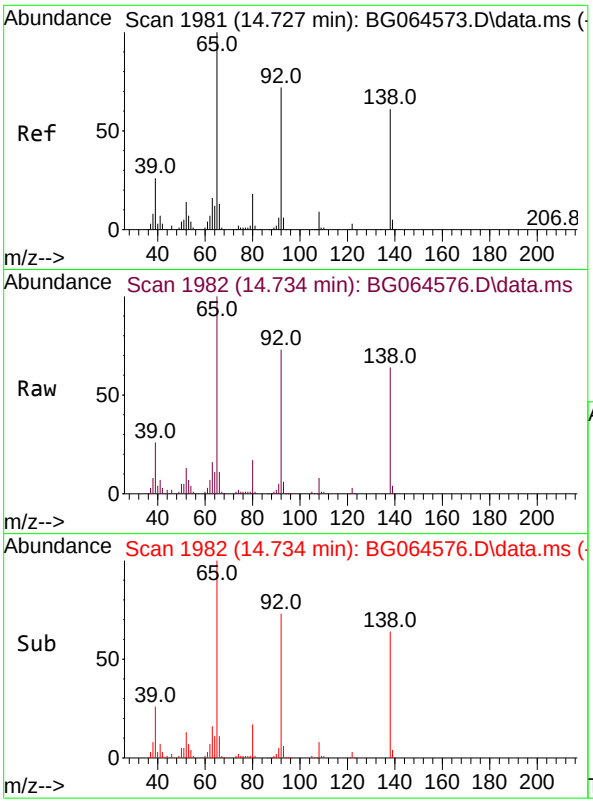


#52
Acenaphthene
Concen: 47.239 ng
RT: 14.910 min Scan# 2012
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:154 Resp: 388012

Ion	Ratio	Lower	Upper
154	100		
153	114.6	92.2	138.4
152	54.3	43.2	64.8

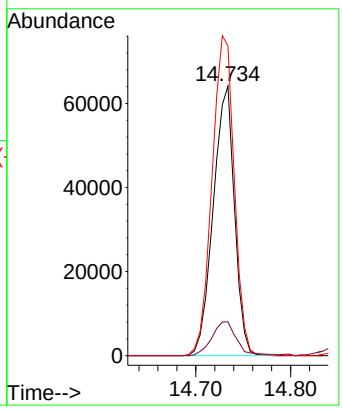




#53
3-Nitroaniline
Concen: 53.405 ng
RT: 14.734 min Scan# 19
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 9974

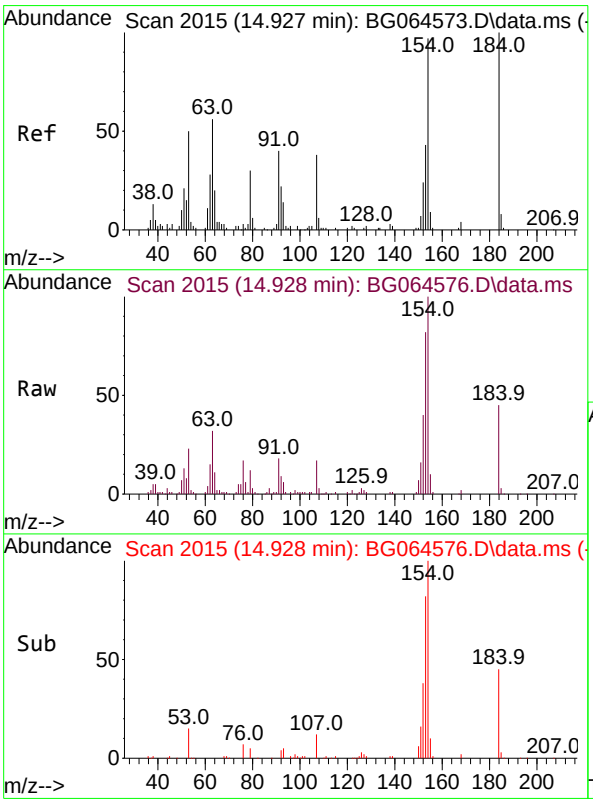
Ion	Ratio	Lower	Upper
138	100		
108	12.6	11.4	17.0
92	114.8	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

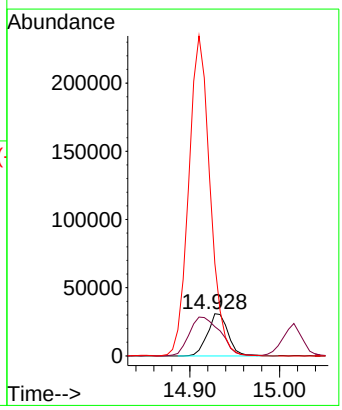
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

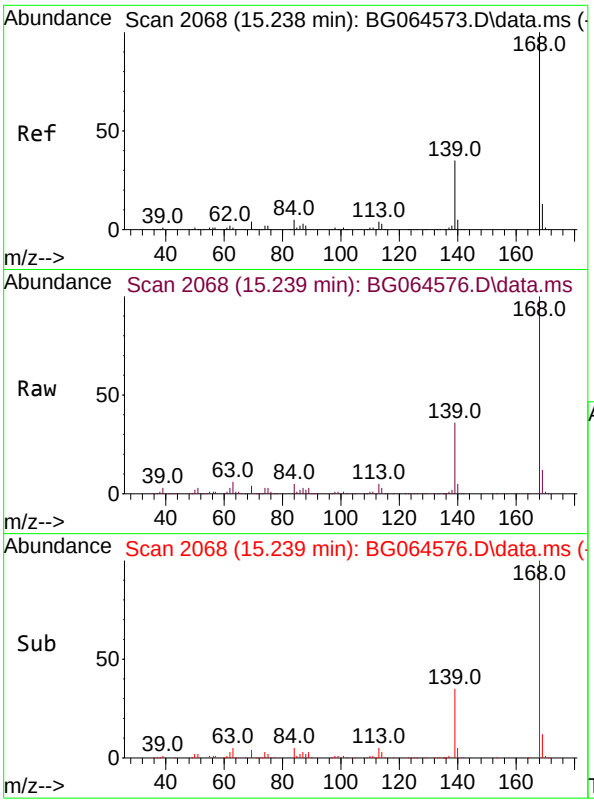


#54
2,4-Dinitrophenol
Concen: 47.268 ng
RT: 14.928 min Scan# 2015
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 49318

Ion	Ratio	Lower	Upper
184	100		
63	69.5	56.6	85.0
154	219.8	158.6	238.0

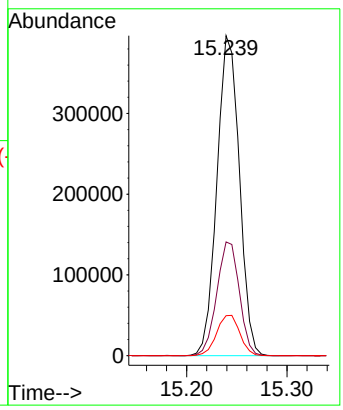




#55
Dibenzofuran
Concen: 46.355 ng
RT: 15.239 min Scan# 20
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:168 Resp: 61555

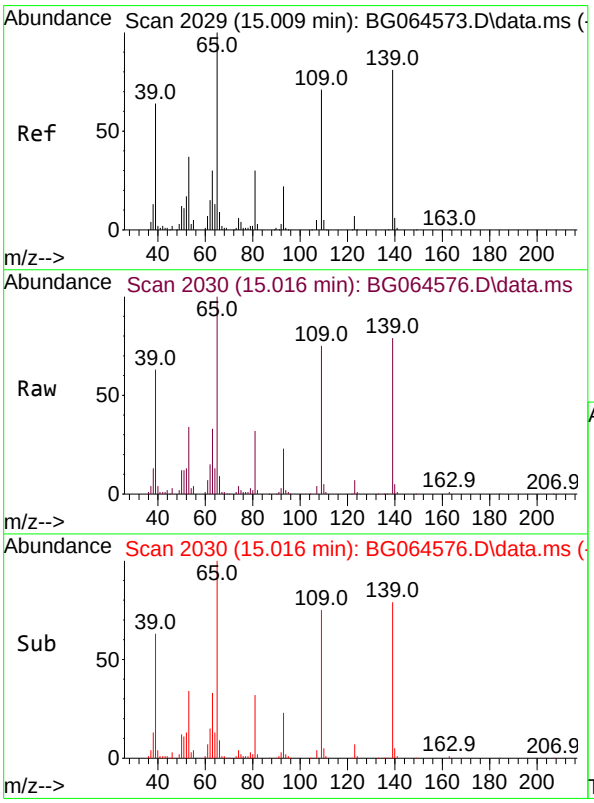
Ion	Ratio	Lower	Upper
168	100		
139	35.5	27.8	41.8
169	12.5	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

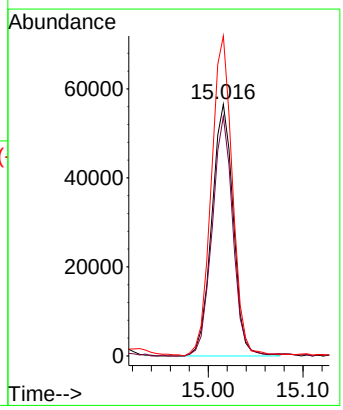
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

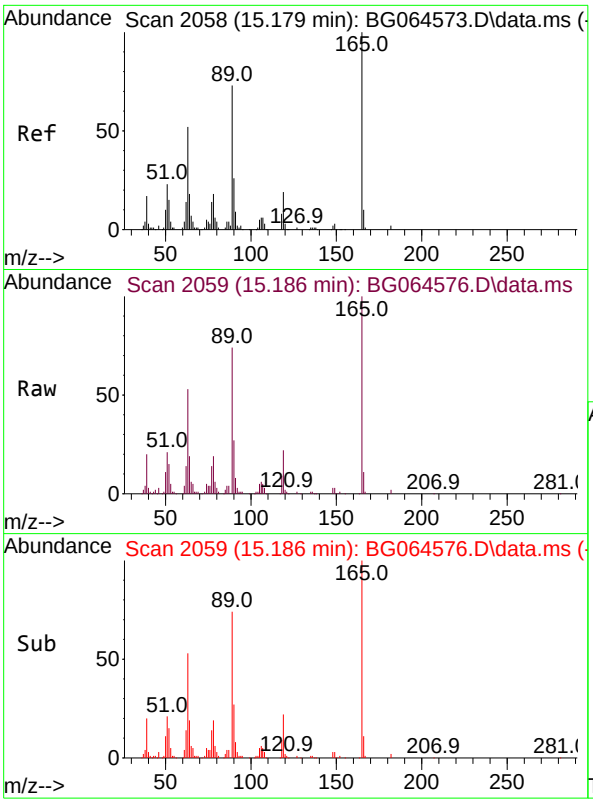


#56
4-Nitrophenol
Concen: 51.169 ng
RT: 15.016 min Scan# 2030
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:139 Resp: 88609

Ion	Ratio	Lower	Upper
139	100		
109	95.2	67.8	107.8
65	127.2	103.7	143.7

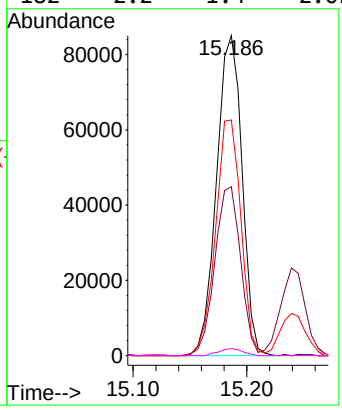




#57
2,4-Dinitrotoluene
Concen: 47.759 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:165 Resp: 13237

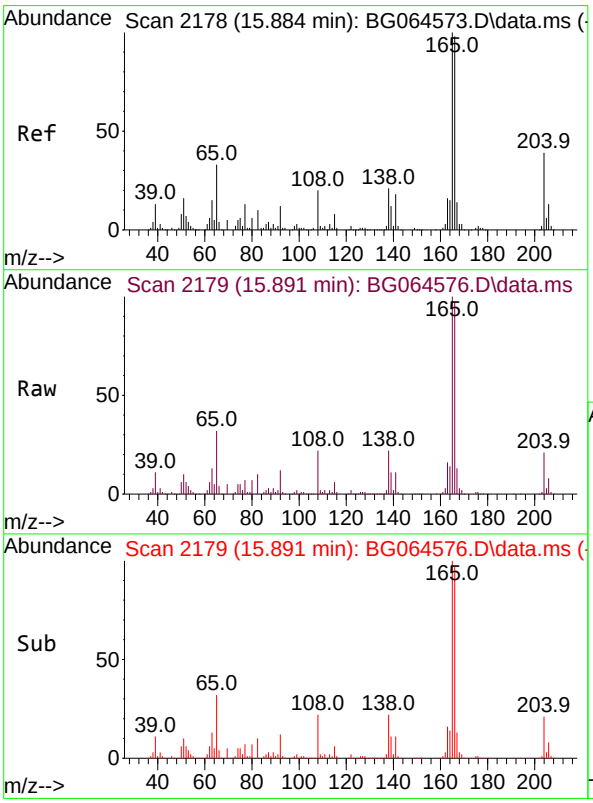
Ion	Ratio	Lower	Upper
165	100		
63	52.8	41.8	62.8
89	73.6	58.1	87.1
182	2.2	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

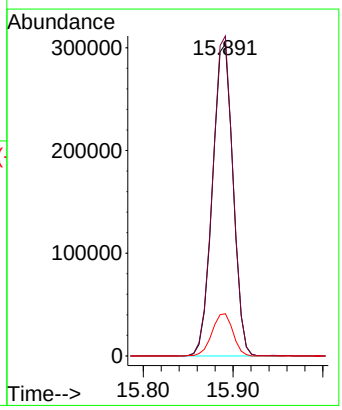
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

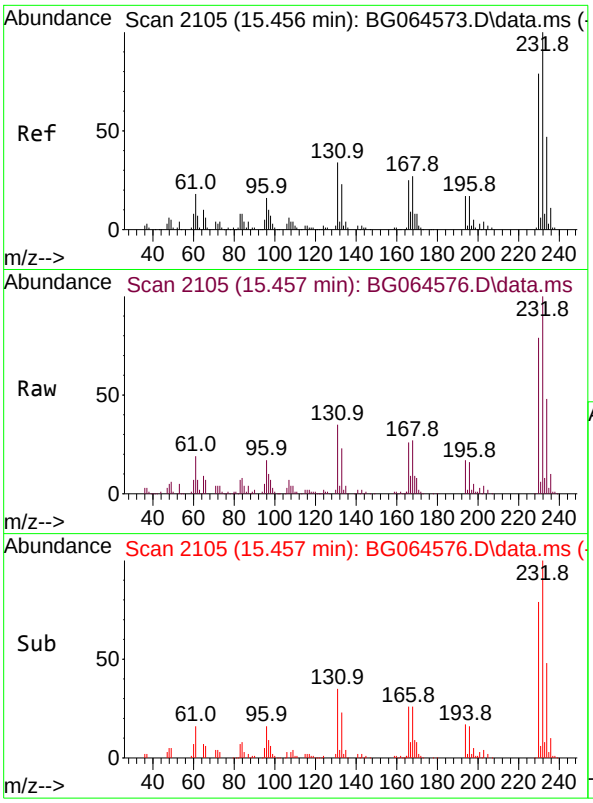


#58
Fluorene
Concen: 46.441 ng
RT: 15.891 min Scan# 2179
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:166 Resp: 481625

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.5	11.4	17.0

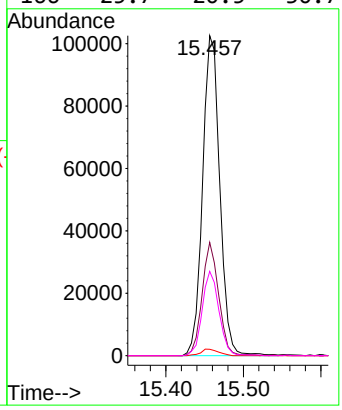




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.440 ng
RT: 15.457 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:232 Resp: 15778

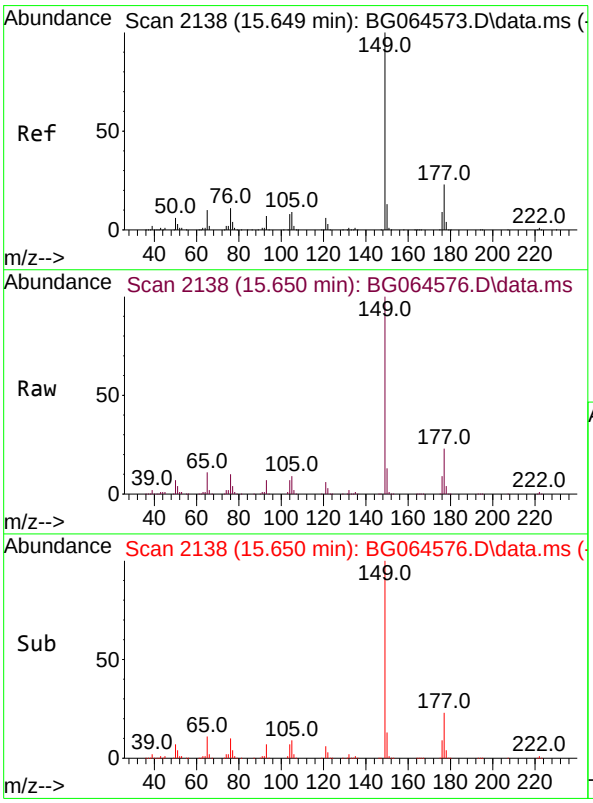
Ion	Ratio	Lower	Upper
232	100		
131	33.9	26.7	40.1
130	2.1	1.6	2.4
166	25.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

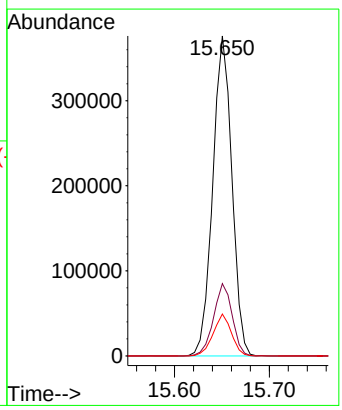
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

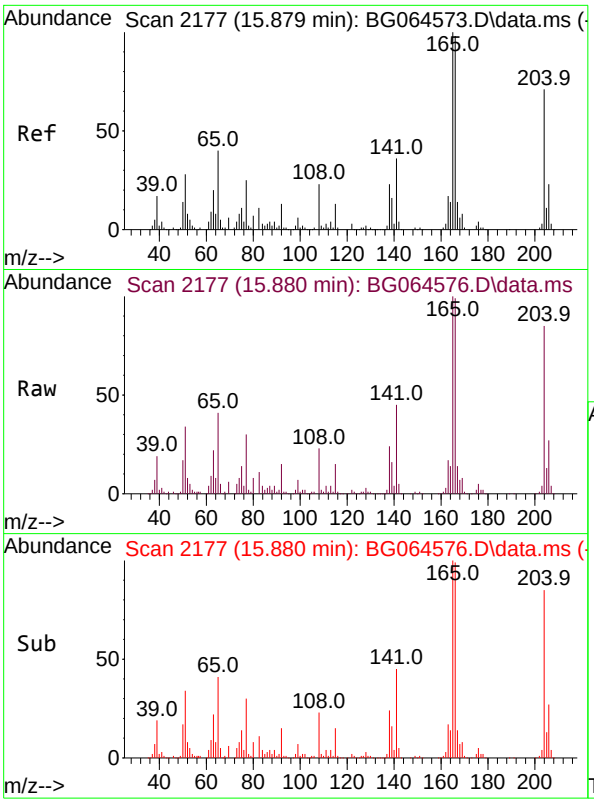


#60
Diethylphthalate
Concen: 47.543 ng
RT: 15.650 min Scan# 2138
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 527594

Ion	Ratio	Lower	Upper
149	100		
177	22.6	18.0	27.0
150	13.1	10.2	15.4

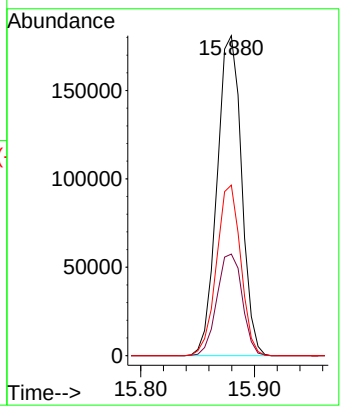




#61
4-Chlorophenyl-phenylether
Concen: 46.576 ng
RT: 15.880 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:204 Resp: 271068

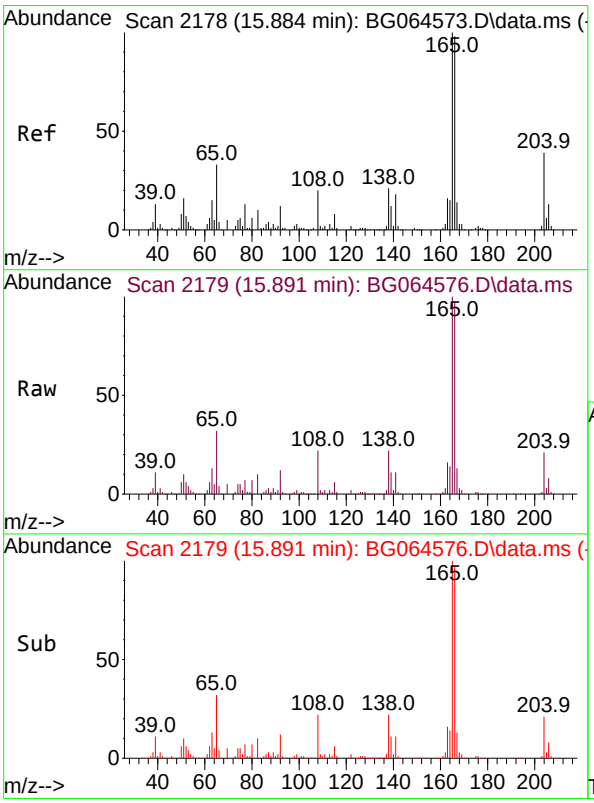
Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	53.3	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

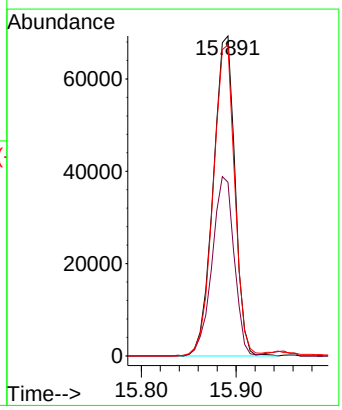
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

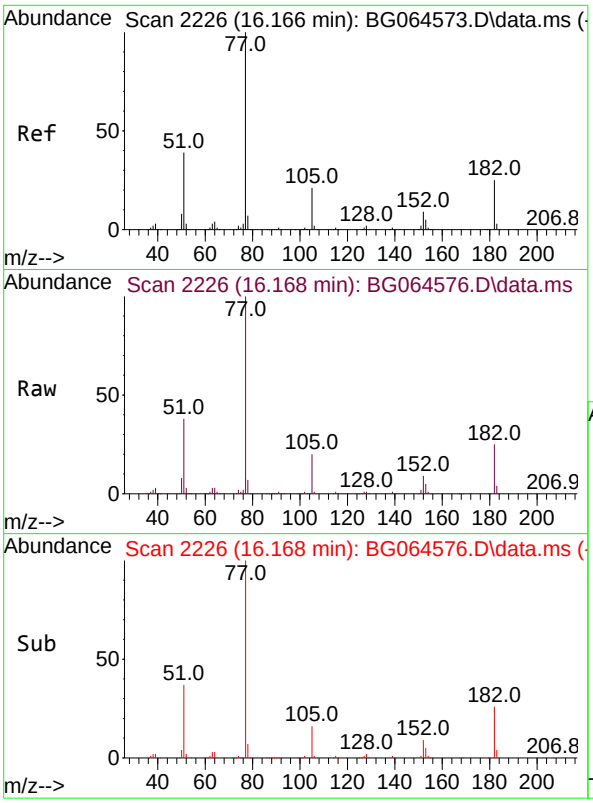


#62
4-Nitroaniline
Concen: 52.970 ng
RT: 15.891 min Scan# 2179
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:138 Resp: 110067

Ion	Ratio	Lower	Upper
138	100		
92	54.3	36.1	76.1
108	97.2	75.6	115.6

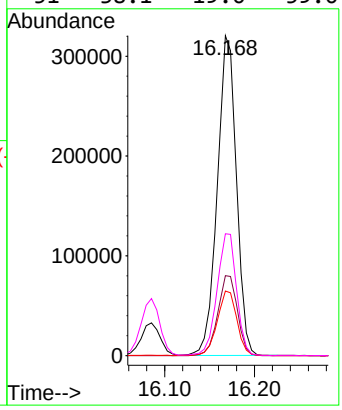




#63
Azobenzene
Concen: 46.671 ng
RT: 16.168 min Scan# 2
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion: 77 Resp: 47520

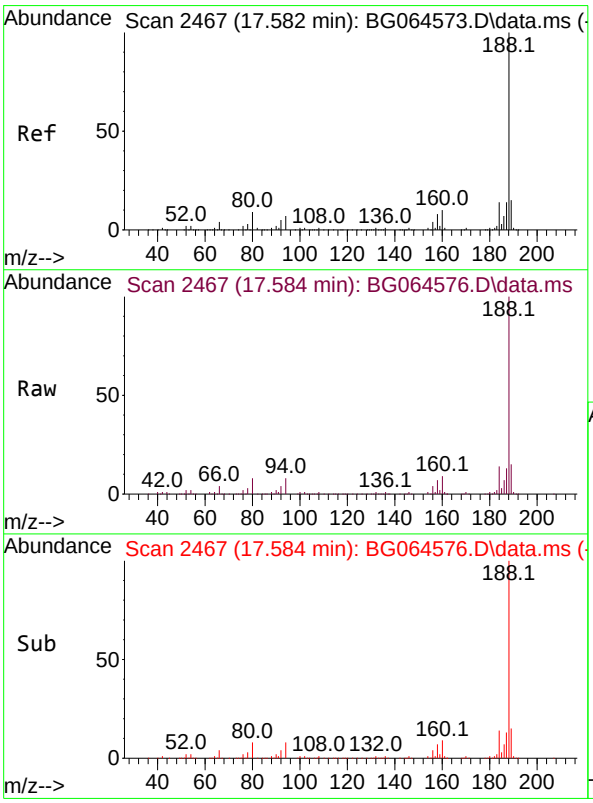
Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.9	44.9
105	20.2	1.3	41.3
51	38.1	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

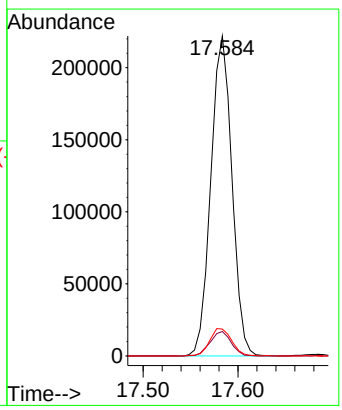
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

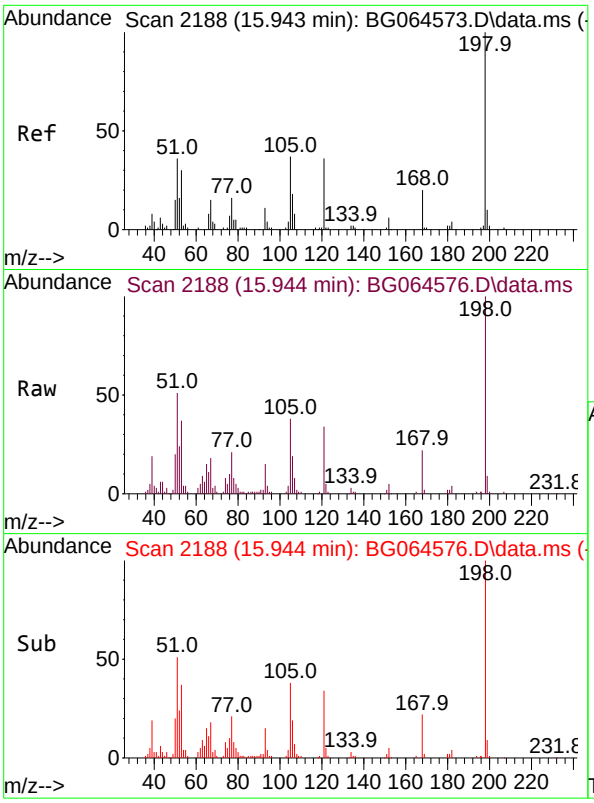


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.584 min Scan# 2467
Delta R.T. 0.004 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:188 Resp: 343365

Ion	Ratio	Lower	Upper
188	100		
94	7.6	5.7	8.5
80	8.4	6.8	10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 47.500 ng
RT: 15.944 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

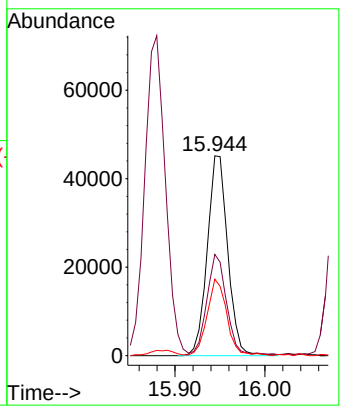
Tgt Ion:198 Resp: 7167

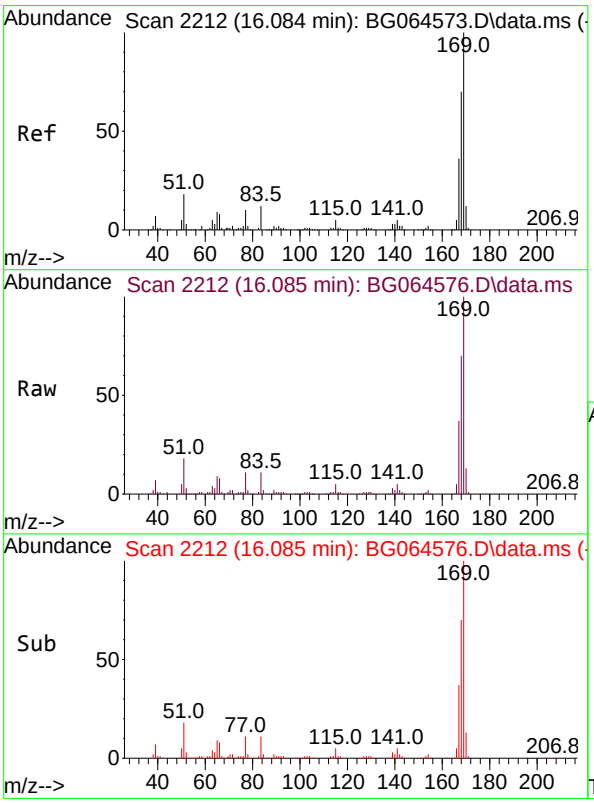
Ion	Ratio	Lower	Upper
198	100		
51	50.7	24.7	64.7
105	38.3	18.0	58.0

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

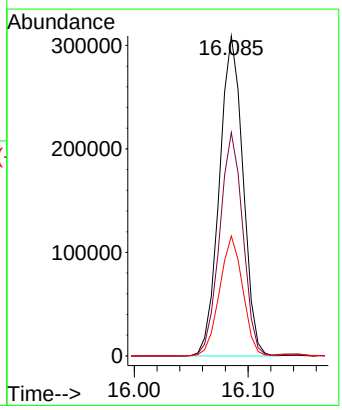


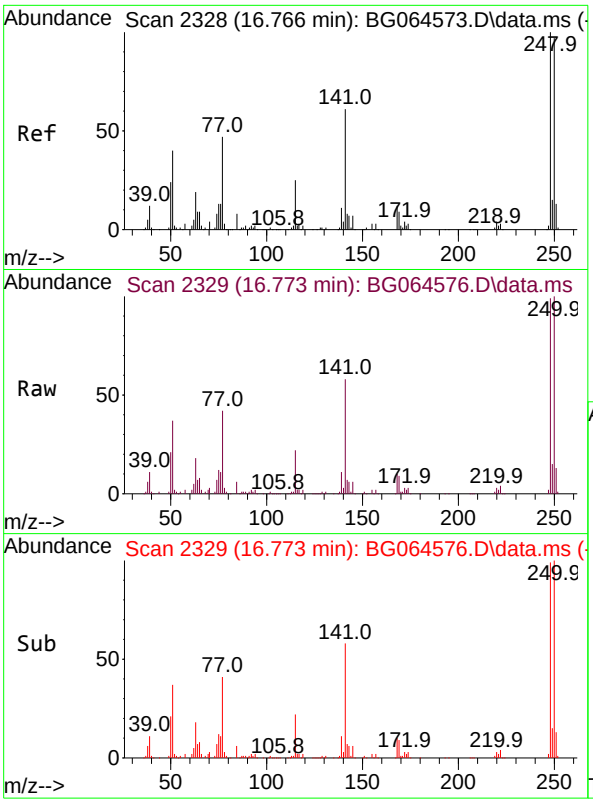


#66
n-Nitrosodiphenylamine
Concen: 47.959 ng
RT: 16.085 min Scan# 2212
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:169 Resp: 444824

Ion	Ratio	Lower	Upper
169	100		
168	69.8	56.3	84.5
167	37.5	29.0	43.6

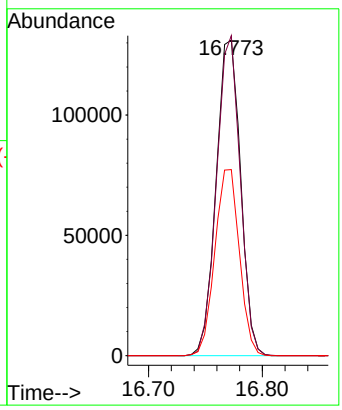




#67
4-Bromophenyl-phenylether
Concen: 48.225 ng
RT: 16.773 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:248 Resp: 19622

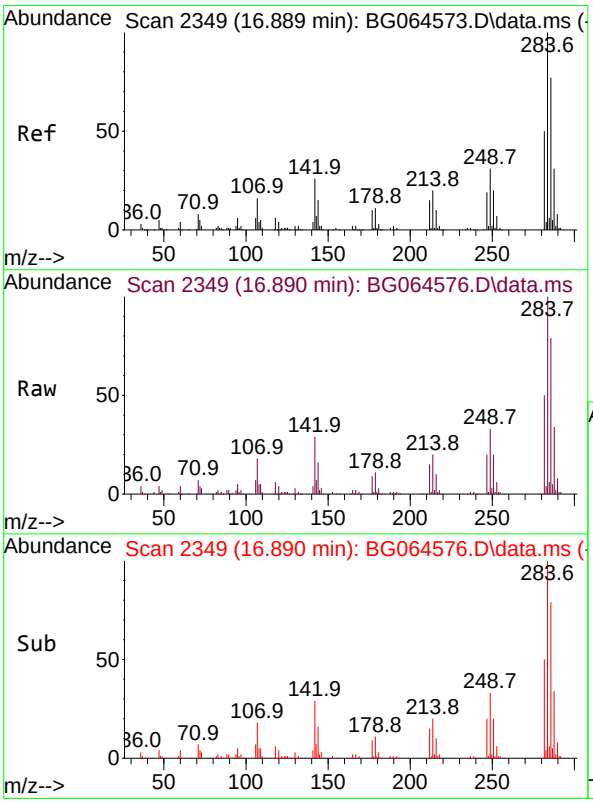
Ion	Ratio	Lower	Upper
248	100		
250	101.5	77.7	116.5
141	59.0	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

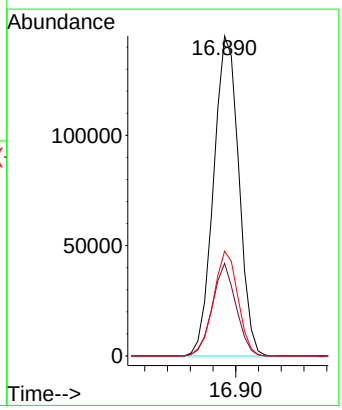
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

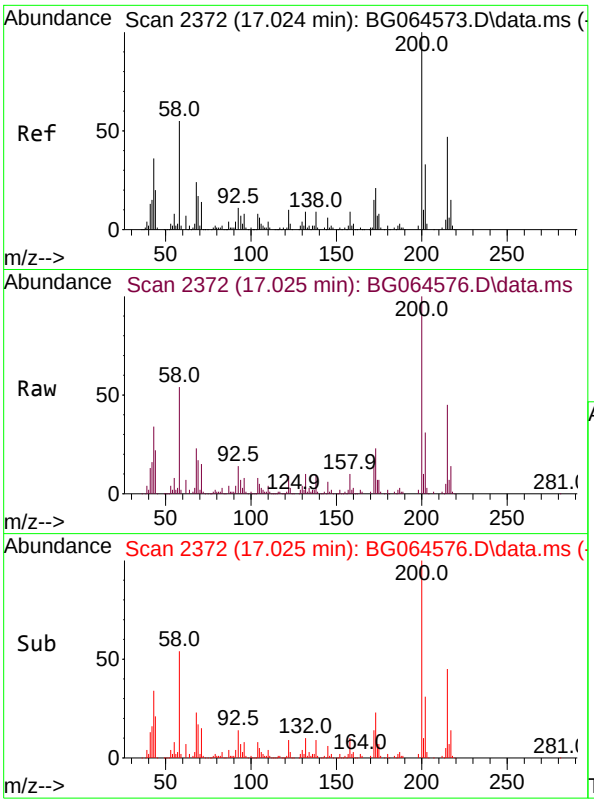


#68
Hexachlorobenzene
Concen: 48.043 ng
RT: 16.890 min Scan# 2349
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:284 Resp: 223018

Ion	Ratio	Lower	Upper
284	100		
142	28.9	21.0	31.6
249	35.3	24.9	37.3

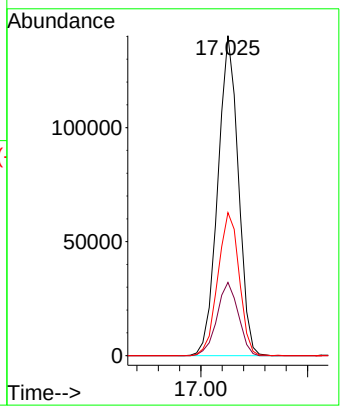




#69
Atrazine
Concen: 47.066 ng
RT: 17.025 min Scan# 2
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:200 Resp: 18786

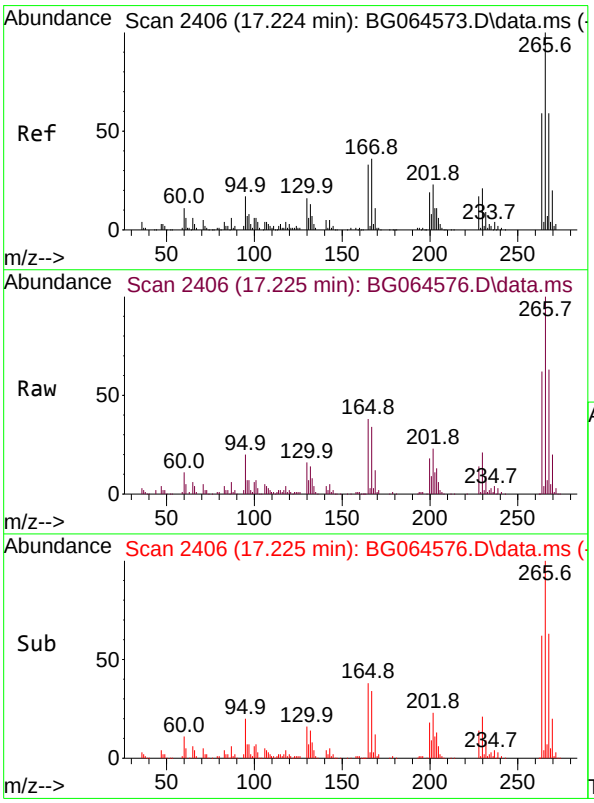
Ion	Ratio	Lower	Upper
200	100		
173	22.9	0.9	40.9
215	44.7	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

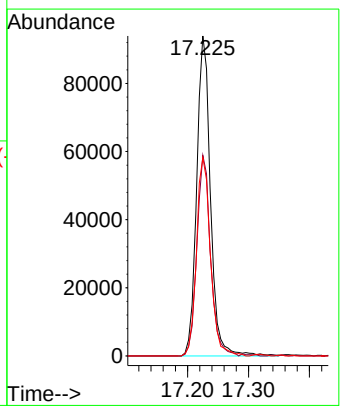
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

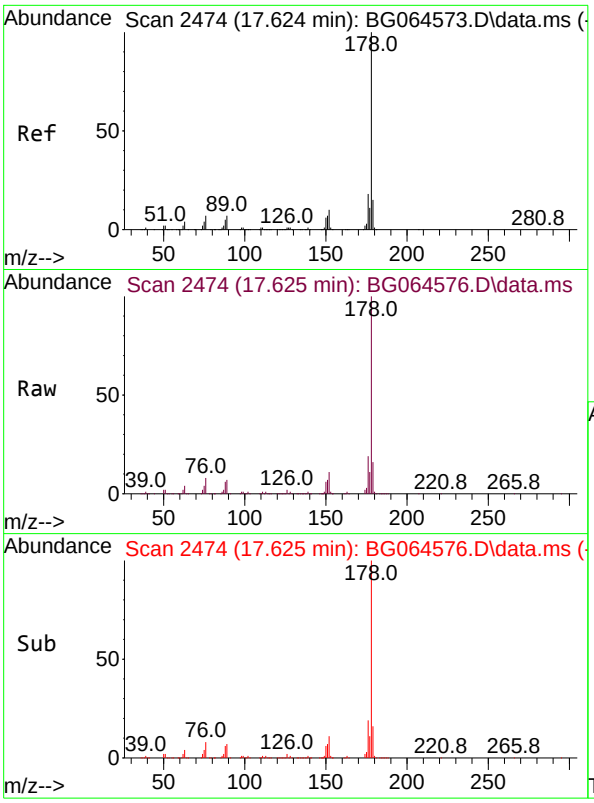


#70
Pentachlorophenol
Concen: 50.930 ng
RT: 17.225 min Scan# 2406
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:266 Resp: 147427

Ion	Ratio	Lower	Upper
266	100		
268	67.9	50.3	75.5
264	62.0	47.3	70.9

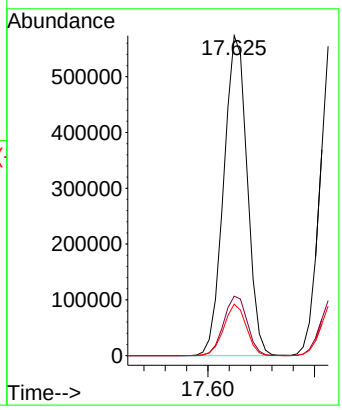




#71
Phenanthrene
Concen: 46.621 ng
RT: 17.625 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 87541

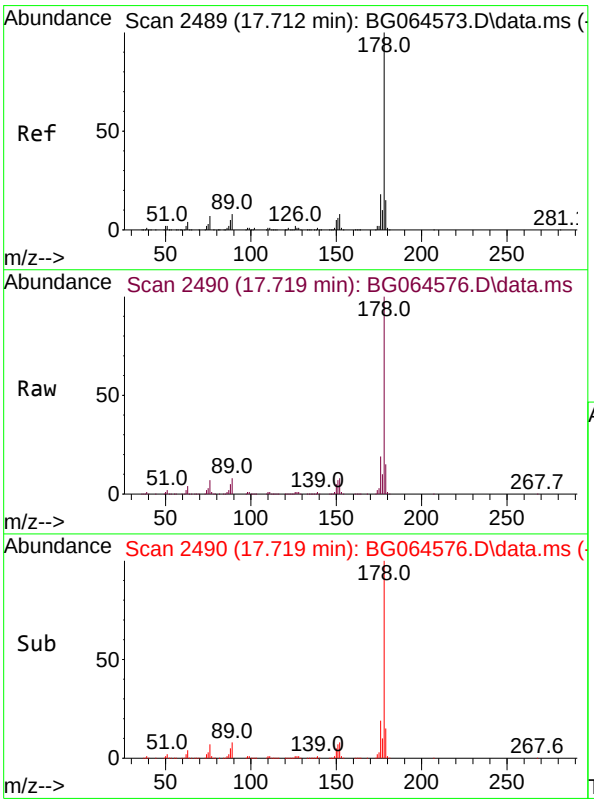
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	16.1	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

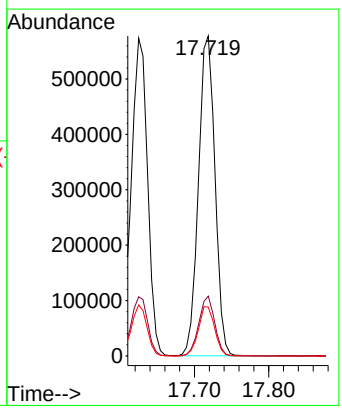
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

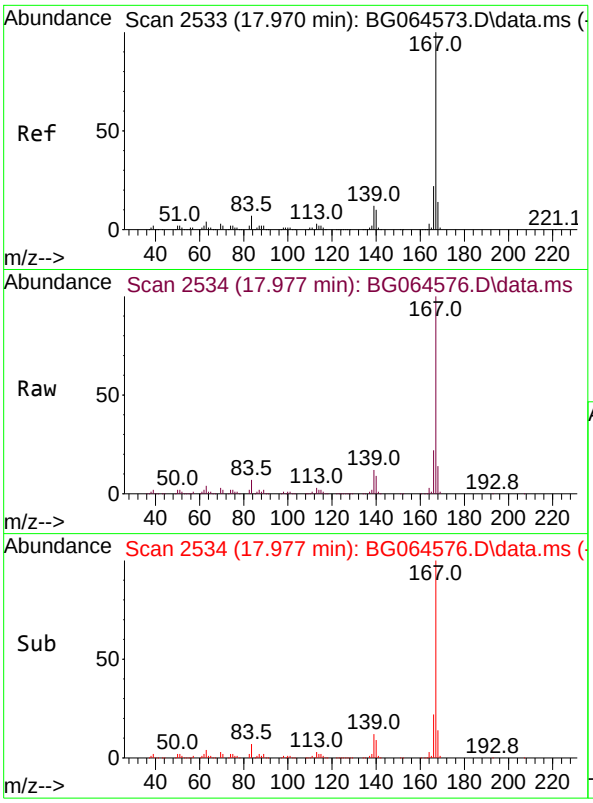


#72
Anthracene
Concen: 46.785 ng
RT: 17.719 min Scan# 2490
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:178 Resp: 893629

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.4	21.6
179	15.2	12.4	18.6

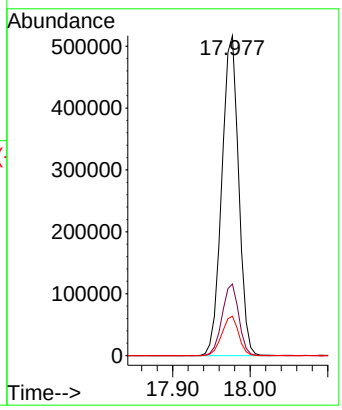




#73
Carbazole
Concen: 46.370 ng
RT: 17.977 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:167 Resp: 78103

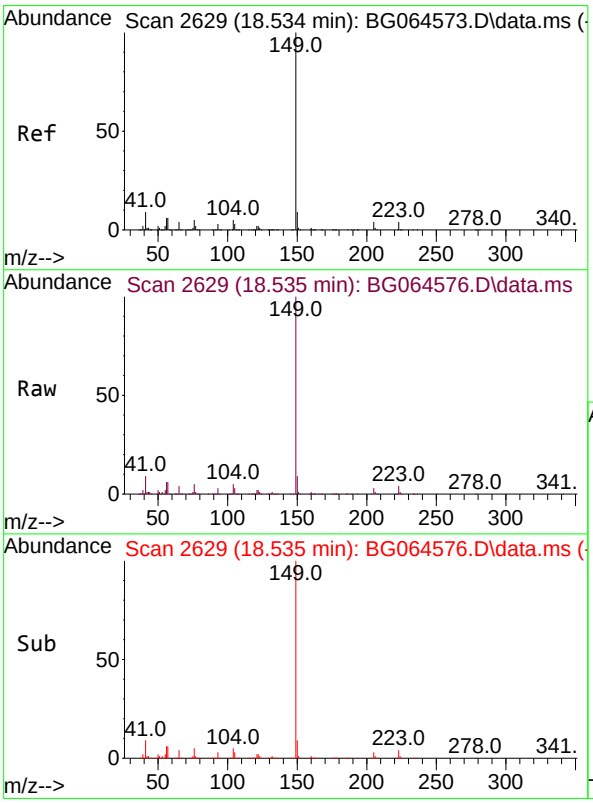
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	12.3	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

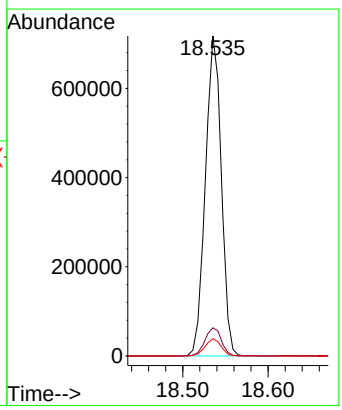
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

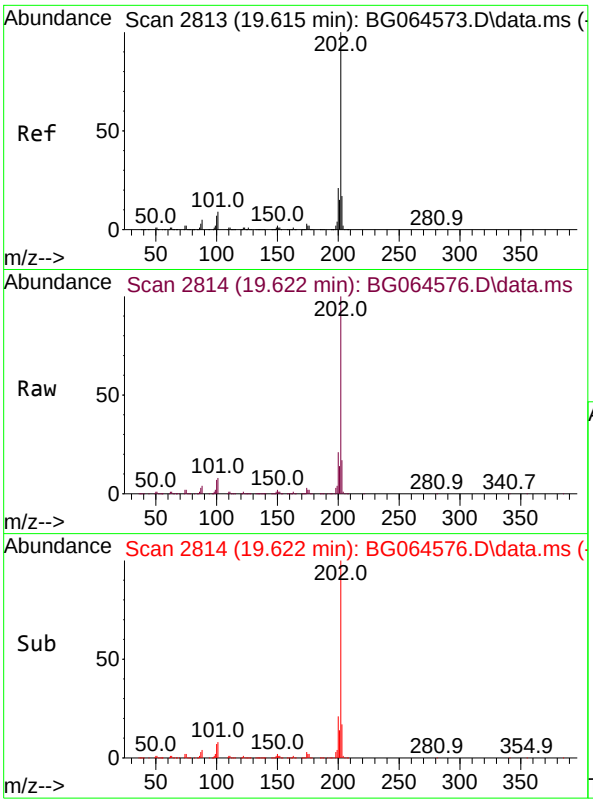


#74
Di-n-butylphthalate
Concen: 47.762 ng
RT: 18.535 min Scan# 2629
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 930281

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.0	10.6
104	5.4	4.1	6.1

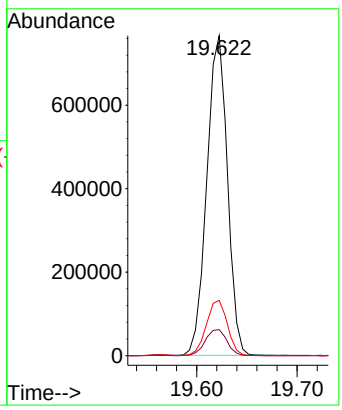




#75
Fluoranthene
Concen: 46.459 ng
RT: 19.622 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 109285

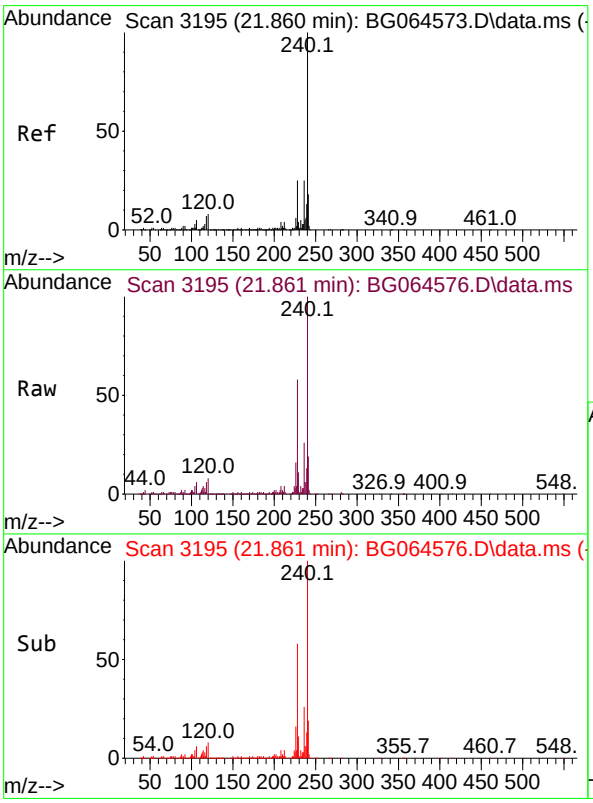
Ion	Ratio	Lower	Upper
202	100		
101	8.2	0.0	28.7
203	17.3	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

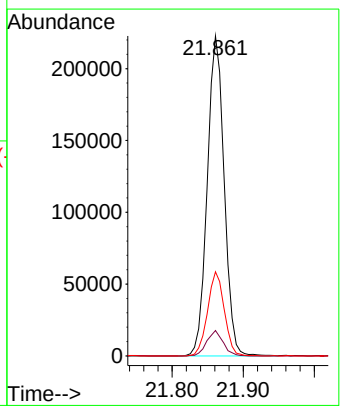
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

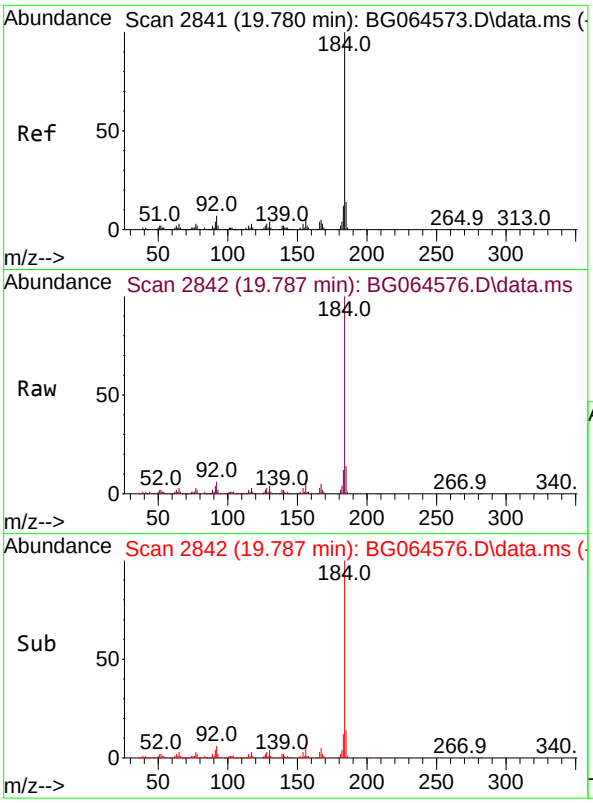


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.861 min Scan# 3195
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:240 Resp: 367592

Ion	Ratio	Lower	Upper
240	100		
120	7.9	6.5	9.7
236	26.3	20.2	30.2

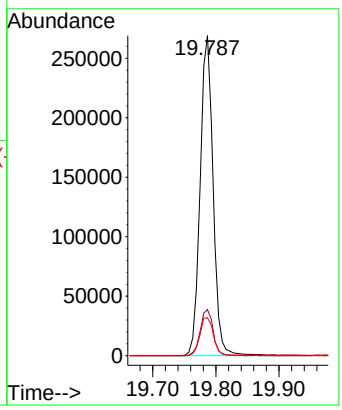




#77
Benzidine
Concen: 46.435 ng
RT: 19.787 min Scan# 28
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:184 Resp: 382418

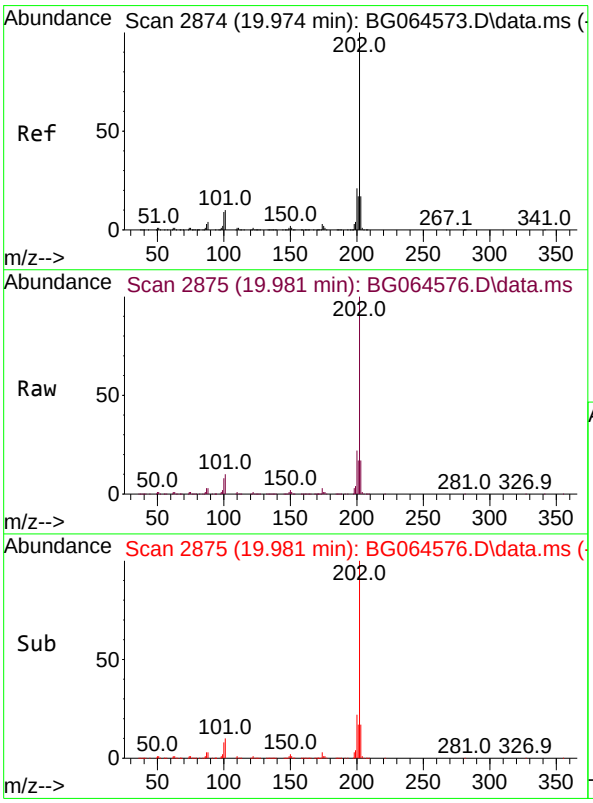
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

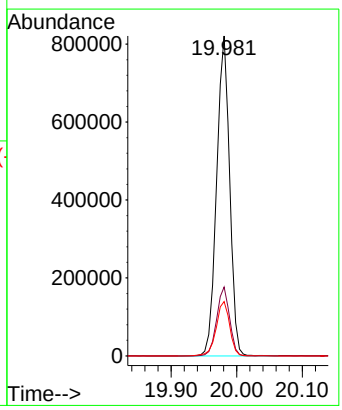
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

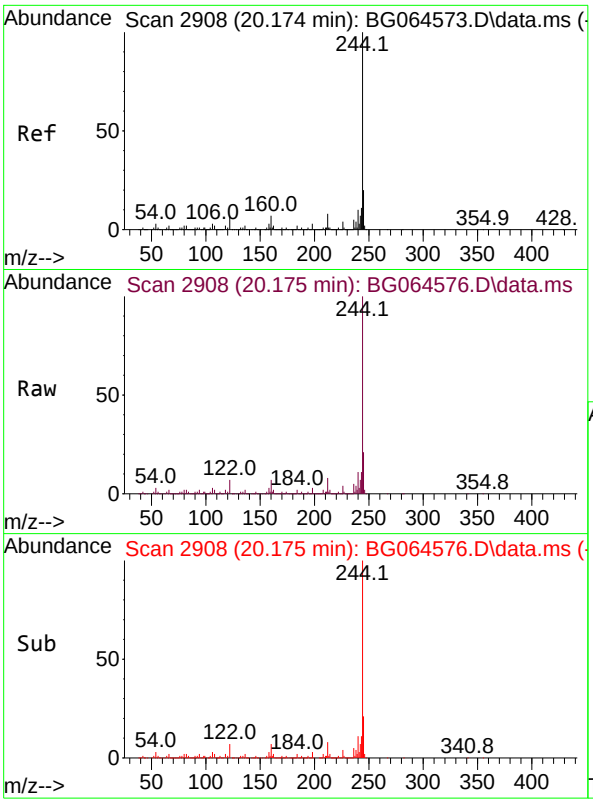


#78
Pyrene
Concen: 47.190 ng
RT: 19.981 min Scan# 2875
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:202 Resp: 1133345

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.4
203	17.0	13.8	20.6





#79
Terphenyl-d14
Concen: 93.162 ng
RT: 20.175 min Scan# 29
Delta R.T. -0.002 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

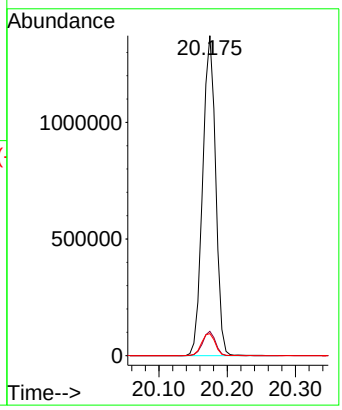
Tgt Ion:244 Resp: 181466

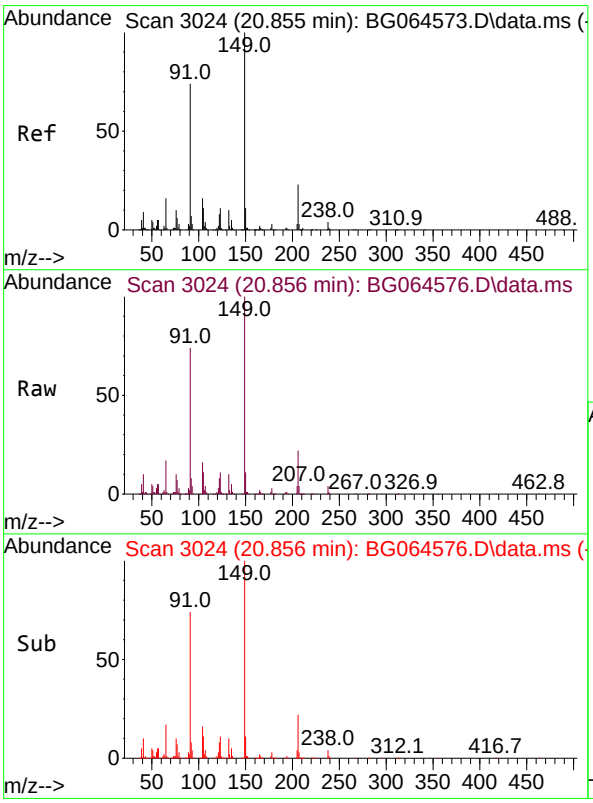
Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.1	9.1
122	6.9	5.6	8.4

Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

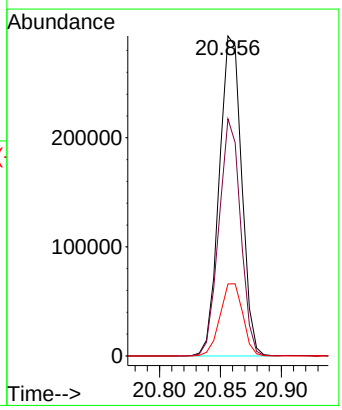


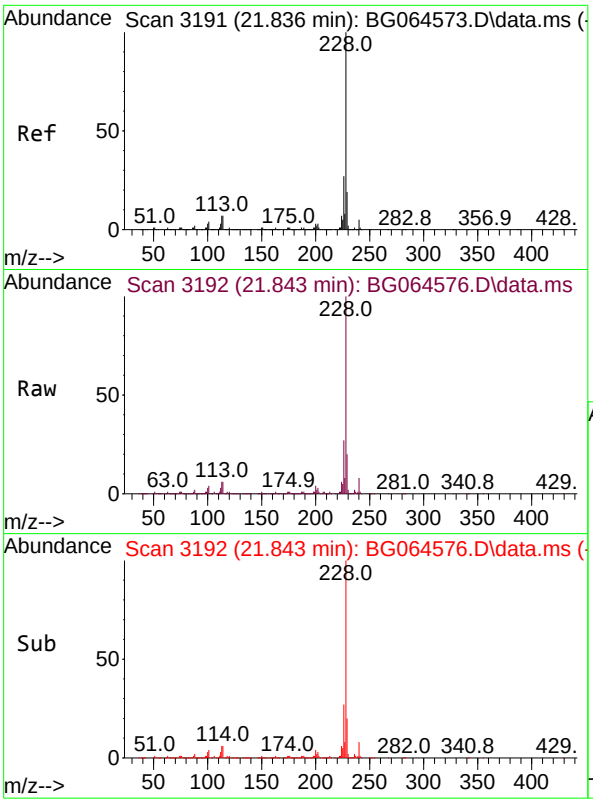


#80
Butylbenzylphthalate
Concen: 51.609 ng
RT: 20.856 min Scan# 3024
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 374611

Ion	Ratio	Lower	Upper
149	100		
91	74.1	59.2	88.8
206	22.5	18.1	27.1

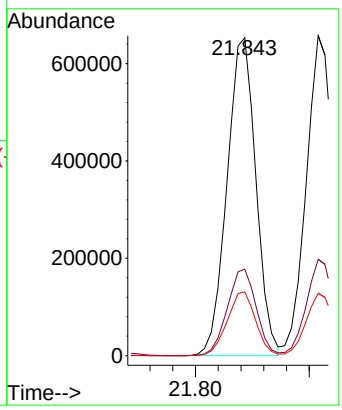




#81
Benzo(a)anthracene
Concen: 47.234 ng
RT: 21.843 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 115124

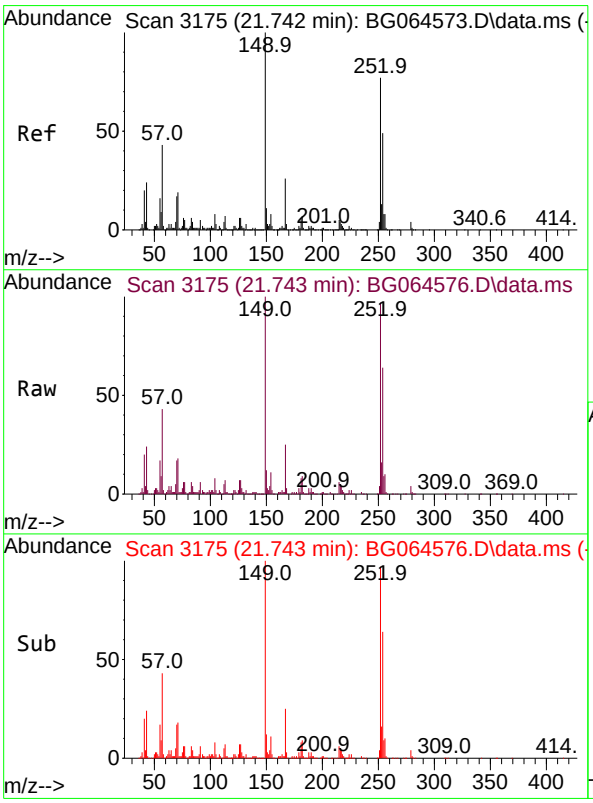
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.9	32.9
229	20.1	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

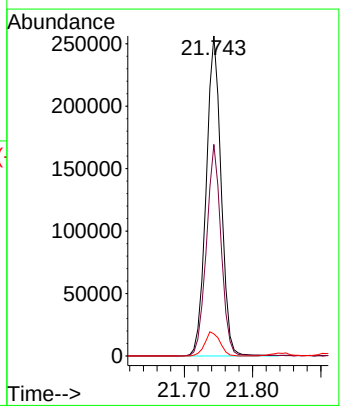
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

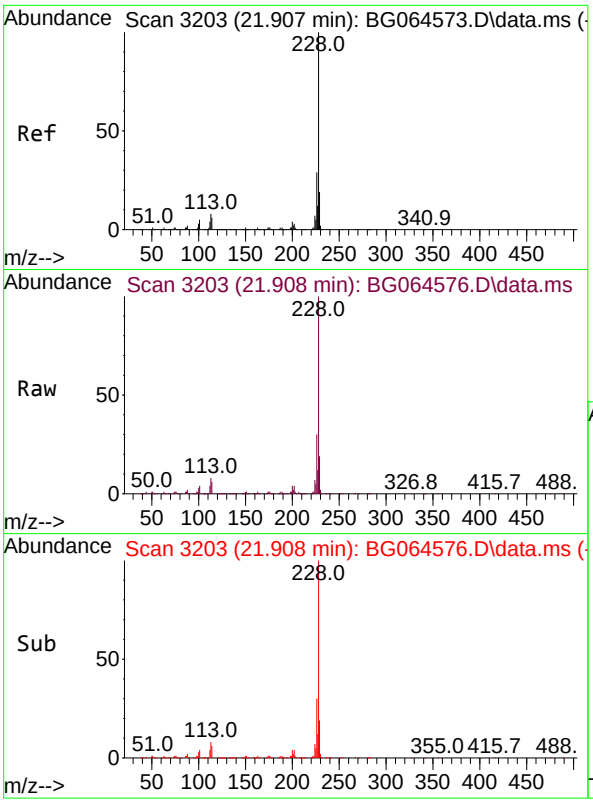


#82
3,3'-Dichlorobenzidine
Concen: 47.824 ng
RT: 21.743 min Scan# 3175
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 389240

Ion	Ratio	Lower	Upper
252	100		
254	66.1	50.8	76.2
126	6.9	5.8	8.6

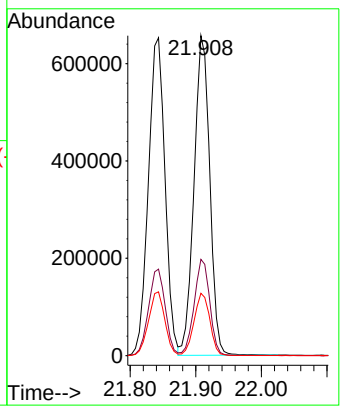




#83
Chrysene
Concen: 47.062 ng
RT: 21.908 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:228 Resp: 109145

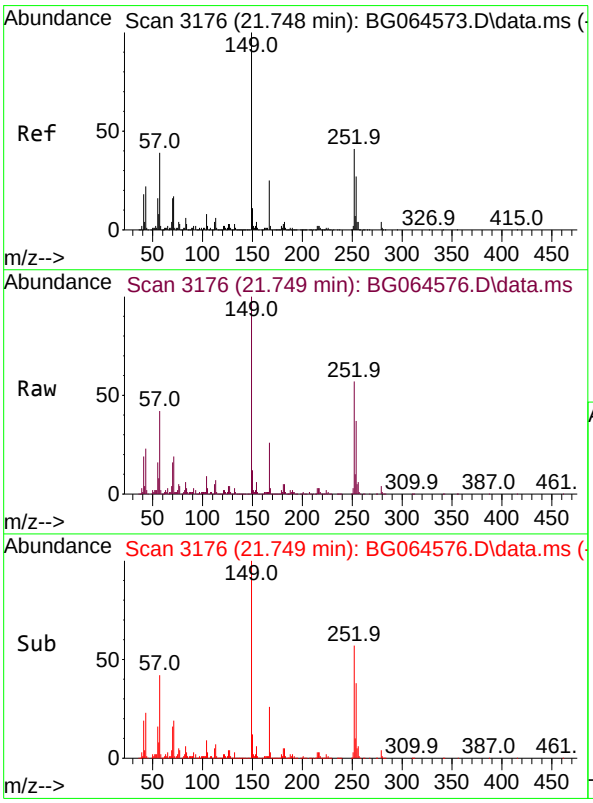
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

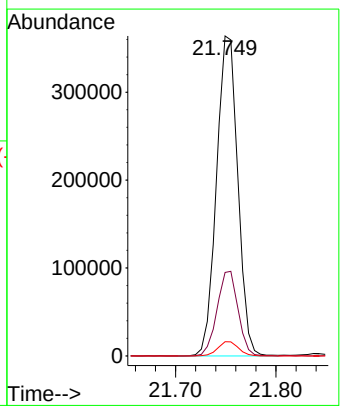
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

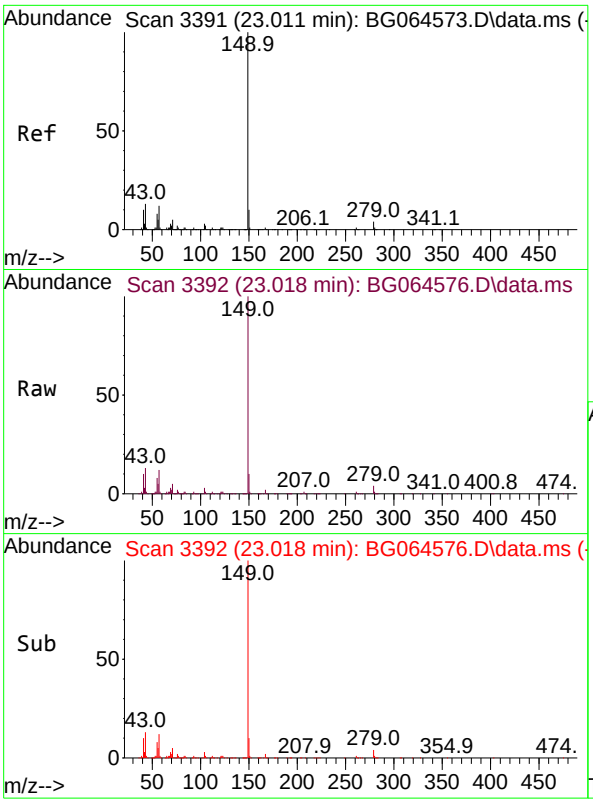


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.576 ng
RT: 21.749 min Scan# 3176
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 537716

Ion	Ratio	Lower	Upper
149	100		
167	26.1	20.0	30.0
279	4.4	3.1	4.7

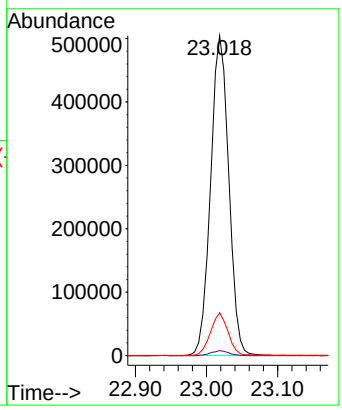




#85
Di-n-octyl phthalate
Concen: 49.039 ng
RT: 23.018 min Scan# 3
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:149 Resp: 89676

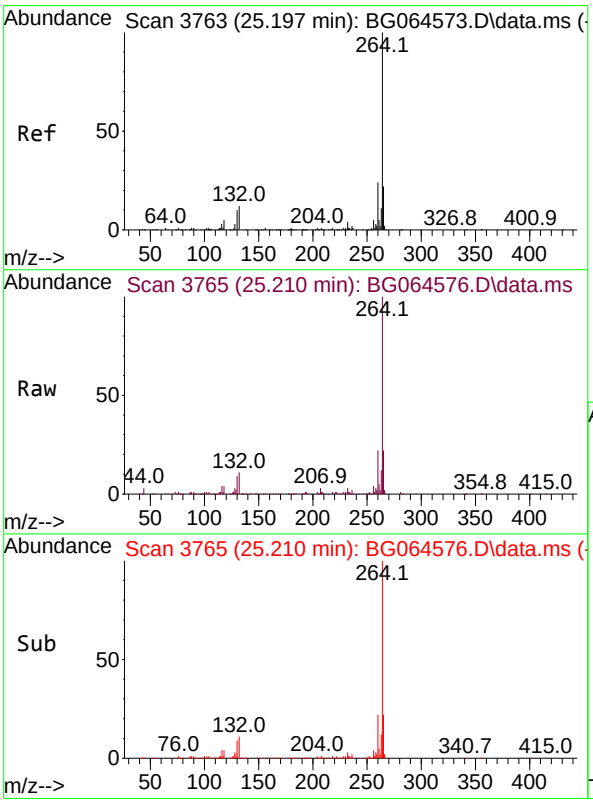
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	13.1	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

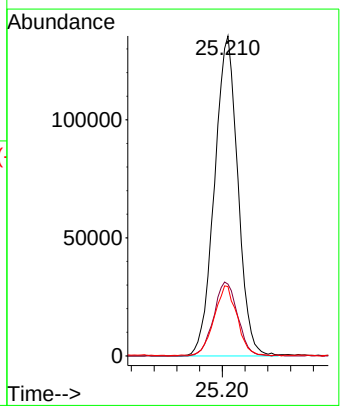
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

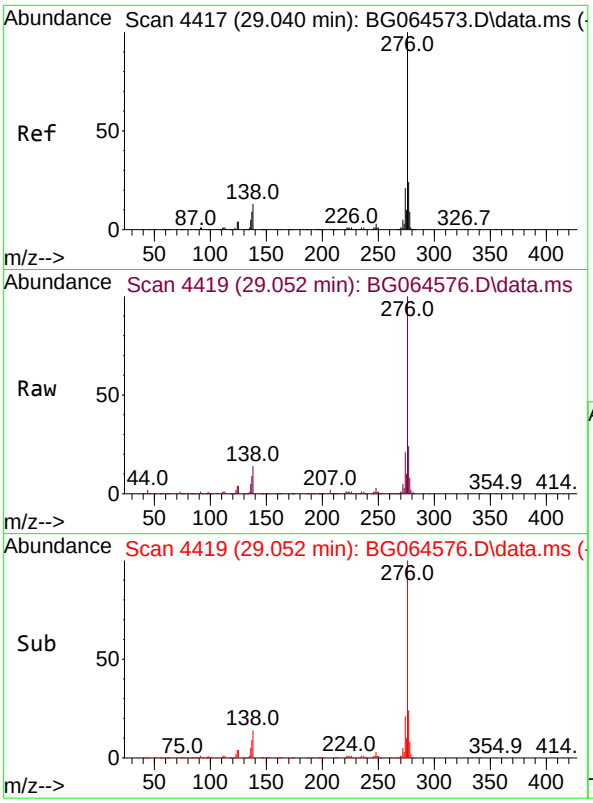


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.210 min Scan# 3765
Delta R.T. 0.009 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:264 Resp: 385865

Ion	Ratio	Lower	Upper
264	100		
260	22.4	19.0	28.4
265	21.7	17.6	26.4

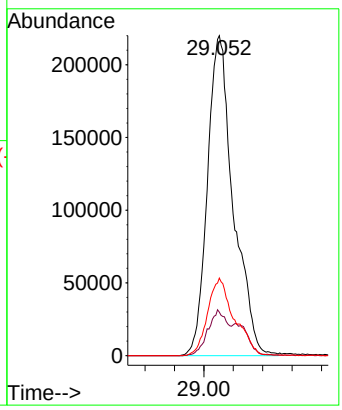




#87
Indeno(1,2,3-cd)pyrene
Concen: 47.425 ng
RT: 29.052 min Scan# 44
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 134618

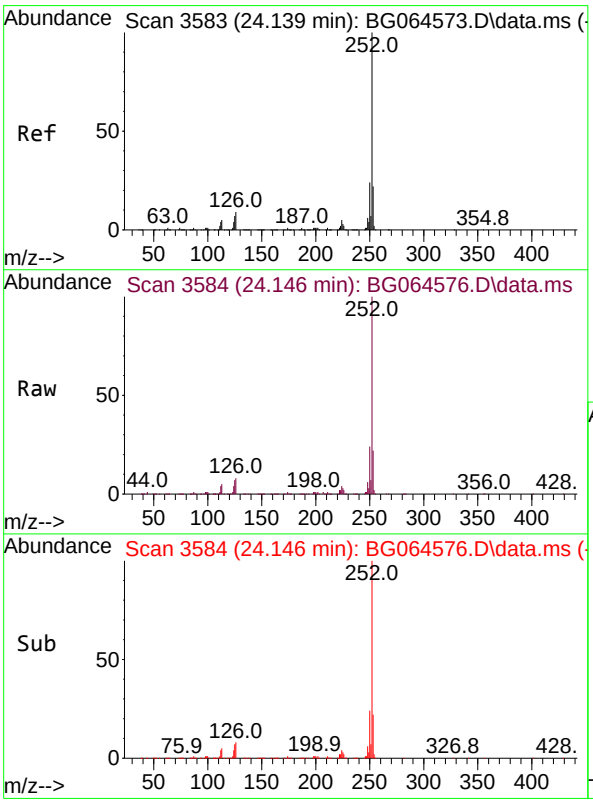
Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.8	16.2
277	24.8	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

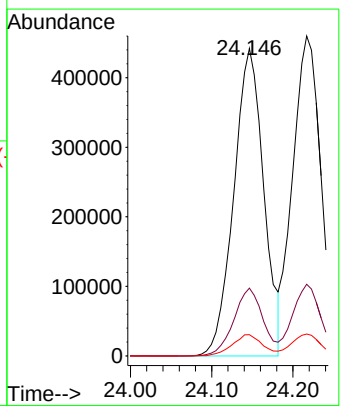
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

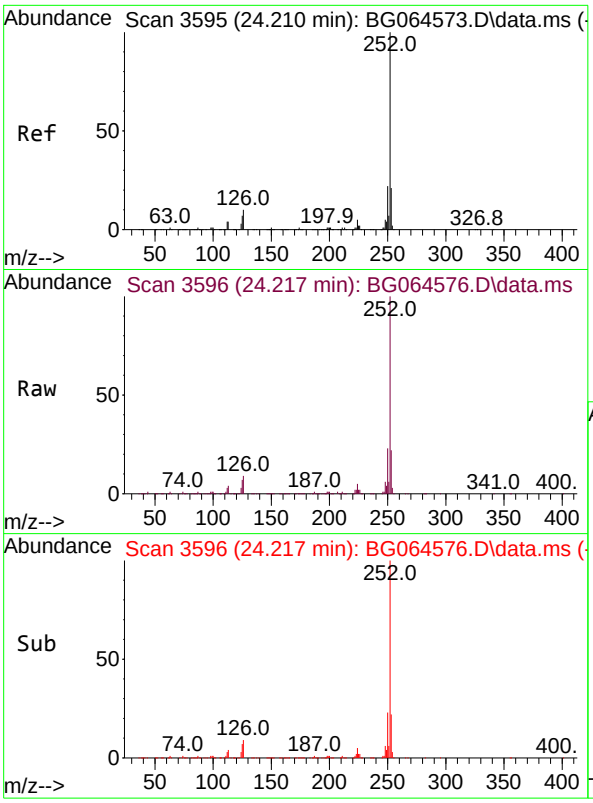


#88
Benzo(b)fluoranthene
Concen: 47.810 ng
RT: 24.146 min Scan# 3584
Delta R.T. 0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1131250

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	6.9	5.6	8.4

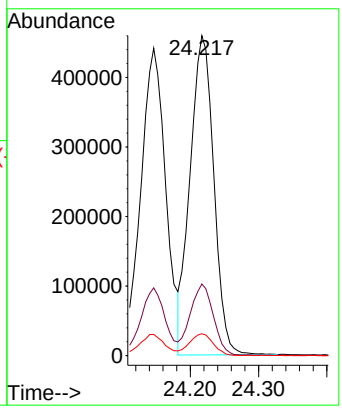




#89
Benzo(k)fluoranthene
Concen: 46.901 ng
RT: 24.217 min Scan# 3
Delta R.T. -0.003 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 111049

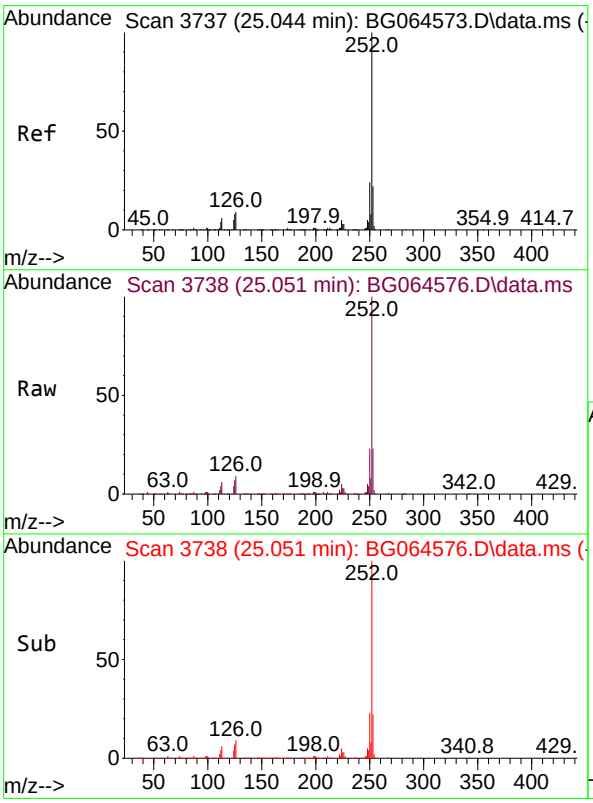
Ion	Ratio	Lower	Upper
252	100		
253	22.4	16.8	25.2
125	6.8	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

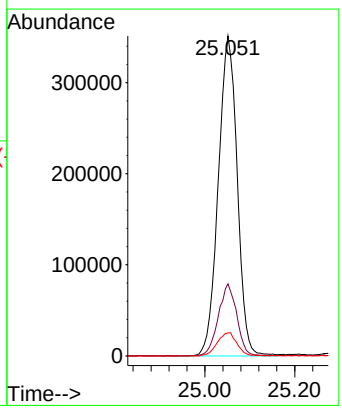
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

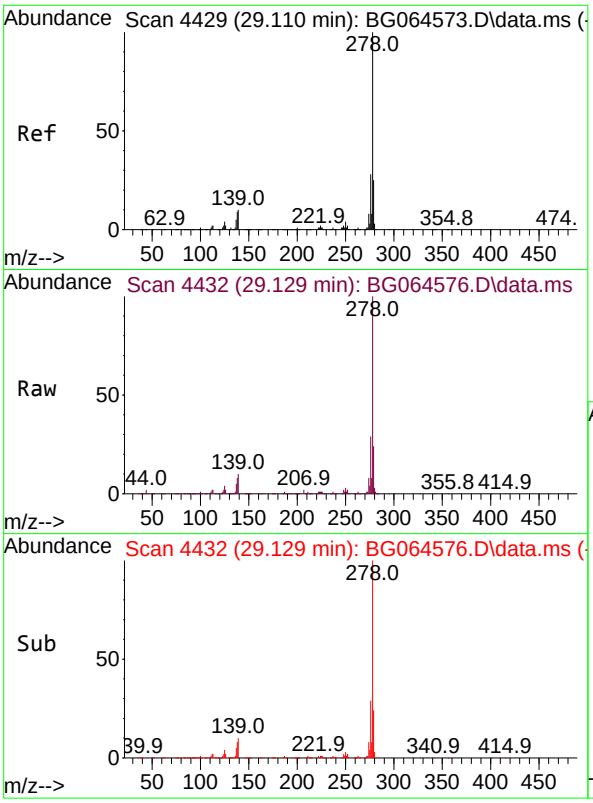


#90
Benzo(a)pyrene
Concen: 47.339 ng
RT: 25.051 min Scan# 3738
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:252 Resp: 1029605

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	7.2	6.1	9.1

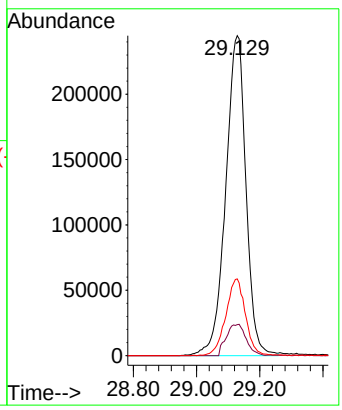




#91
Dibenzo(a,h)anthracene
Concen: 47.283 ng
RT: 29.129 min Scan# 44
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:278 Resp: 109040

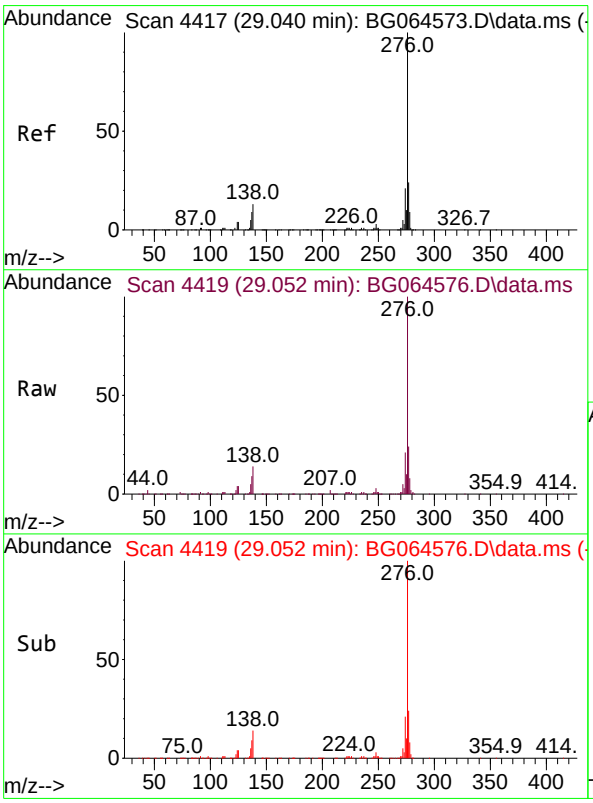
Ion	Ratio	Lower	Upper
278	100		
139	9.7	8.0	12.0
279	24.0	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

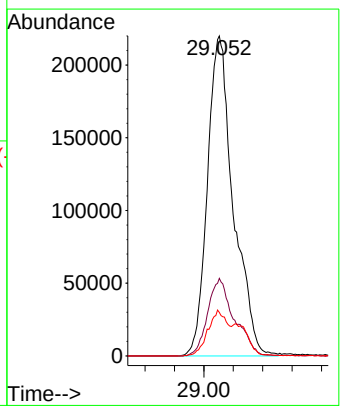
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 47.425 ng
RT: 29.052 min Scan# 4419
Delta R.T. -0.008 min
Lab File: BG064576.D
Acq: 24 Oct 2025 15:32

Tgt Ion:276 Resp: 1346188

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.2	28.8
138	13.6	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.222	152	37186	20.000	ng	0.00
21) Naphthalene-d8	11.048	136	157125	20.000	ng	0.00
39) Acenaphthene-d10	14.844	164	124202	20.000	ng	0.00
64) Phenanthrene-d10	17.582	188	290051	20.000	ng	0.00
76) Chrysene-d12	21.859	240	293608	20.000	ng	0.00
86) Perylene-d12	25.202	264	306886	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.743	112	156266	70.535	ng	0.00
7) Phenol-d6	7.353	99	225294	74.109	ng	0.00
23) Nitrobenzene-d5	9.386	82	200749	76.738	ng	0.00
42) 2,4,6-Tribromophenol	16.319	330	134578	75.074	ng	0.00
45) 2-Fluorobiphenyl	13.475	172	594887	72.599	ng	0.00
79) Terphenyl-d14	20.173	244	1151597	74.019	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.586	88	33172	33.820	ng	97
3) Pyridine	3.998	79	98123	33.313	ng	95
4) n-Nitrosodimethylamine	3.898	42	56903	36.025	ng	98
6) Aniline	7.529	93	157683	38.118	ng	99
8) 2-Chlorophenol	7.776	128	85755	36.981	ng	96
9) Benzaldehyde	7.341	77	84516	50.923	ng	95
10) Phenol	7.376	94	122412	36.410	ng	98
11) bis(2-Chloroethyl)ether	7.529	93	157683	38.118	ng	99
12) 1,3-Dichlorobenzene	8.111	146	96308	36.085	ng	94
13) 1,4-Dichlorobenzene	8.257	146	102132	37.635	ng	96
14) 1,2-Dichlorobenzene	8.581	146	96651	36.924	ng	97
15) Benzyl Alcohol	8.445	79	95250	37.995	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.745	45	234476	36.163	ng	98
17) 2-Methylphenol	8.445	107	48801	38.945	ng	95
18) Hexachloroethane	9.327	117	34040	35.743	ng	96
19) n-Nitroso-di-n-propyla...	9.027	70	83140	39.572	ng	96
20) 3+4-Methylphenols	8.974	107	118917	37.882	ng	96
22) Acetophenone	9.045	105	162385	37.806	ng	97
24) Nitrobenzene	9.427	77	111836	39.305	ng	97
25) Isophorone	9.955	82	236860	37.733	ng	99
26) 2-Nitrophenol	10.143	139	38013	35.498	ng	97
27) 2,4-Dimethylphenol	10.196	122	98450m	41.336	ng	
28) bis(2-Chloroethoxy)met...	10.437	93	132072	36.953	ng	99
29) 2,4-Dichlorophenol	10.684	162	95966	38.190	ng	97
30) 1,2,4-Trichlorobenzene	10.907	180	108339	37.945	ng	97
31) Naphthalene	11.101	128	311084	35.709	ng	100
32) Benzoic acid	10.296	122	62191m	37.924	ng	
33) 4-Chloroaniline	11.189	127	139799	41.287	ng	99
34) Hexachlorobutadiene	11.389	225	78691	35.242	ng	97
35) Caprolactam	11.941	113	35011	36.326	ng	93
36) 4-Chloro-3-methylphenol	12.294	107	114927	38.049	ng	98
37) 2-Methylnaphthalene	12.693	142	213545	33.388	ng	98
38) 1-Methylnaphthalene	12.911	142	224857	35.729	ng	100
40) 1,2,4,5-Tetrachloroben...	13.052	216	154838	37.146	ng	99
41) Hexachlorocyclopentadiene	13.040	237	95065	50.669	ng	98
43) 2,4,6-Trichlorophenol	13.281	196	92335	38.726	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.346	196	102433	37.228	ng		99
46) 1,1'-Biphenyl	13.686	154	329629	37.331	ng		99
47) 2-Chloronaphthalene	13.727	162	241311	36.205	ng		97
48) 2-Nitroaniline	13.910	65	78927	36.129	ng		96
49) Acenaphthylene	14.568	152	435836	41.457	ng		98
50) Dimethylphthalate	14.292	163	350600	36.890	ng		100
51) 2,6-Dinitrotoluene	14.403	165	61784	39.971	ng		100
52) Acenaphthene	14.908	154	253833	35.340	ng		98
53) 3-Nitroaniline	14.726	138	68729	42.080	ng		99
54) 2,4-Dinitrophenol	14.926	184	29394	33.991	ng	#	56
55) Dibenzofuran	15.237	168	419154	36.096	ng		97
56) 4-Nitrophenol	15.014	139	51210	33.818	ng		92
57) 2,4-Dinitrotoluene	15.185	165	85201	35.957	ng		96
58) Fluorene	15.890	166	328636	36.238	ng		99
59) 2,3,4,6-Tetrachlorophenol	15.455	232	106626	40.525	ng		97
60) Diethylphthalate	15.649	149	348964	35.961	ng		99
61) 4-Chlorophenyl-phenyle...	15.878	204	182714	35.902	ng		99
62) 4-Nitroaniline	15.884	138	68807	37.867	ng		97
63) Azobenzene	16.172	77	323432	36.325	ng		97
65) 4,6-Dinitro-2-methylph...	15.943	198	42391	34.885	ng		94
66) n-Nitrosodiphenylamine	16.084	169	300274	38.325	ng		98
67) 4-Bromophenyl-phenylether	16.771	248	130765	38.044	ng		97
68) Hexachlorobenzene	16.888	284	144974	36.971	ng		96
69) Atrazine	17.024	200	130007	38.558	ng		96
70) Pentachlorophenol	17.223	266	85166	34.829	ng		90
71) Phenanthrene	17.623	178	569825	35.925	ng		99
72) Anthracene	17.717	178	584246	36.210	ng		99
73) Carbazole	17.975	167	498849	35.061	ng		99
74) Di-n-butylphthalate	18.534	149	570718	34.688	ng		99
75) Fluoranthene	19.621	202	676996	34.070	ng		99
77) Benzidine	19.785	184	356547	54.203	ng		99
78) Pyrene	19.979	202	693068	36.130	ng		99
80) Butylbenzylphthalate	20.854	149	224386	38.702	ng		98
81) Benzo(a)anthracene	21.836	228	706428	36.287	ng		99
82) 3,3'-Dichlorobenzidine	21.742	252	265324	40.813	ng		96
83) Chrysene	21.906	228	658217	35.533	ng		98
84) Bis(2-ethylhexyl)phtha...	21.747	149	324614	37.470	ng		96
85) Di-n-octyl phthalate	23.017	149	527097	36.087	ng		99
87) Indeno(1,2,3-cd)pyrene	29.045	276	820974	36.366	ng		99
88) Benzo(b)fluoranthene	24.139	252	681881	36.235	ng		99
89) Benzo(k)fluoranthene	24.209	252	701500	37.252	ng		99
90) Benzo(a)pyrene	25.049	252	652126	37.700	ng		98
91) Dibenzo(a,h)anthracene	29.121	278	674510	36.776	ng		96
92) Benzo(g,h,i)perylene	29.045	276	820974	36.366	ng		97

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

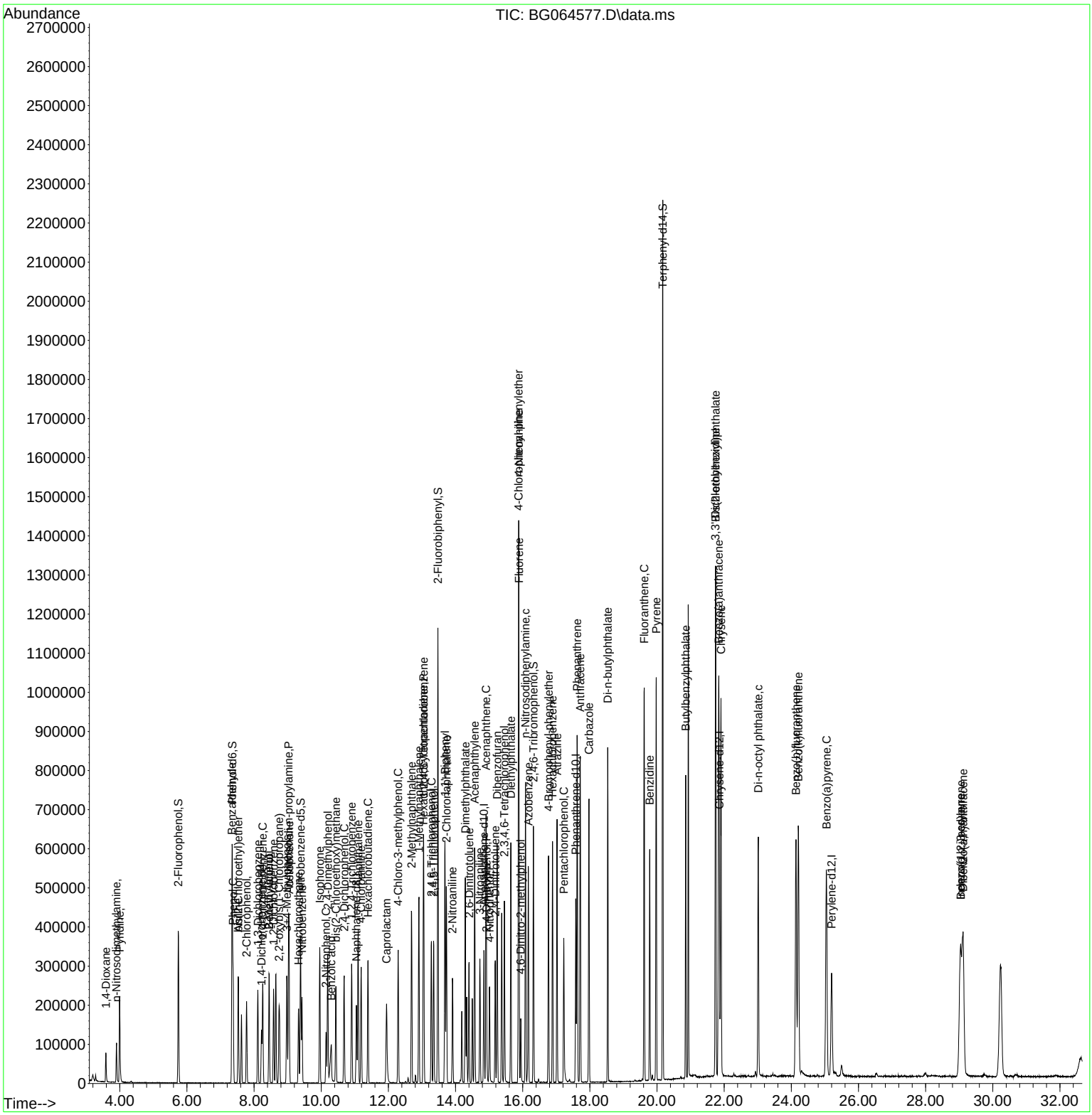
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

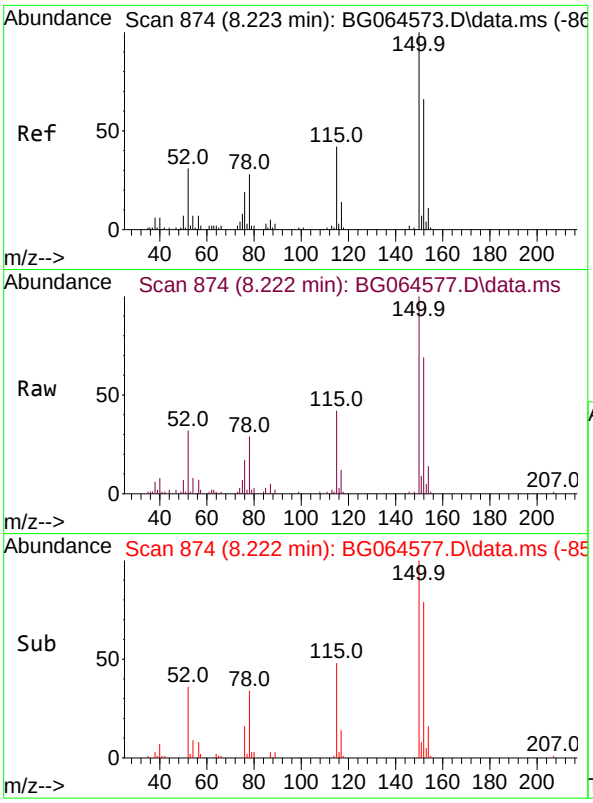
Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

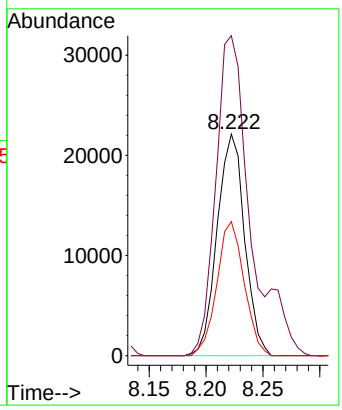




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.222 min Scan# 8
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:152 Resp: 3718

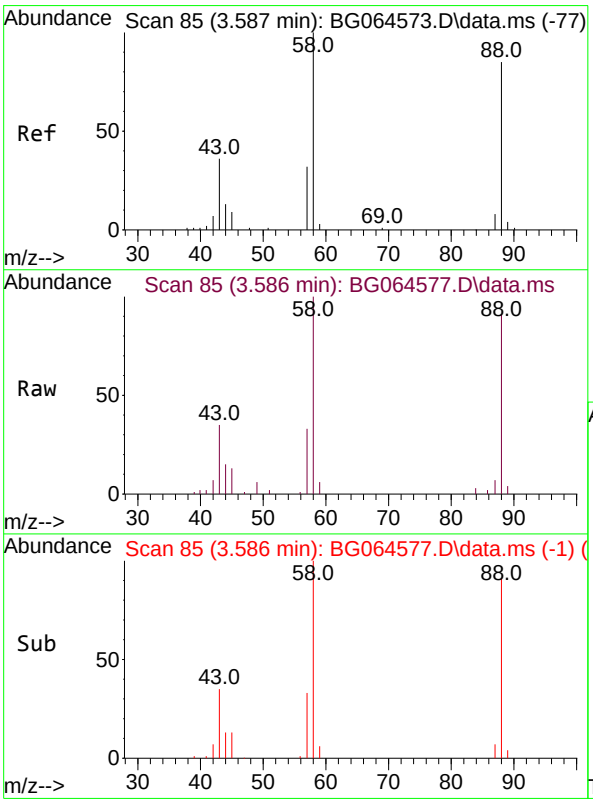
Ion	Ratio	Lower	Upper
152	100		
150	144.5	122.2	183.4
115	60.5	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

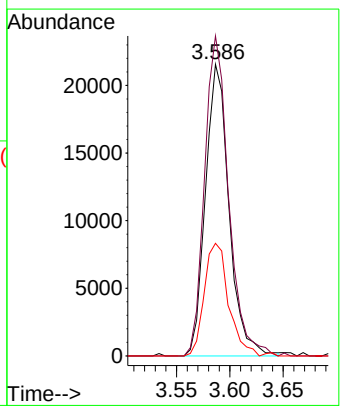
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

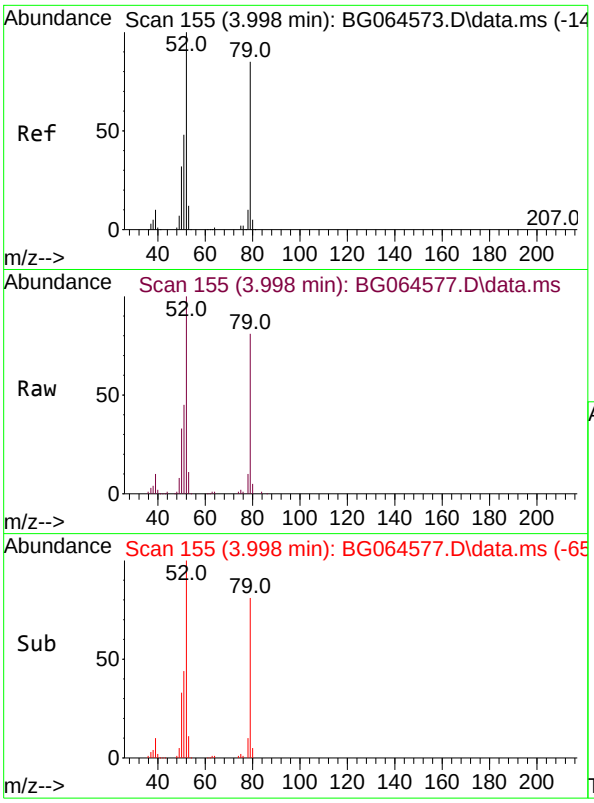


#2
1,4-Dioxane
Concen: 33.820 ng
RT: 3.586 min Scan# 85
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 88 Resp: 33172

Ion	Ratio	Lower	Upper
88	100		
58	111.8	92.4	138.6
43	40.1	33.0	49.6

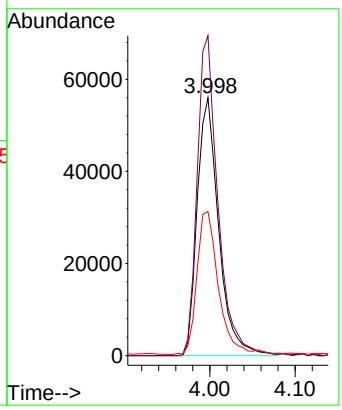




#3
Pyridine
Concen: 33.313 ng
RT: 3.998 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 79 Resp: 9812

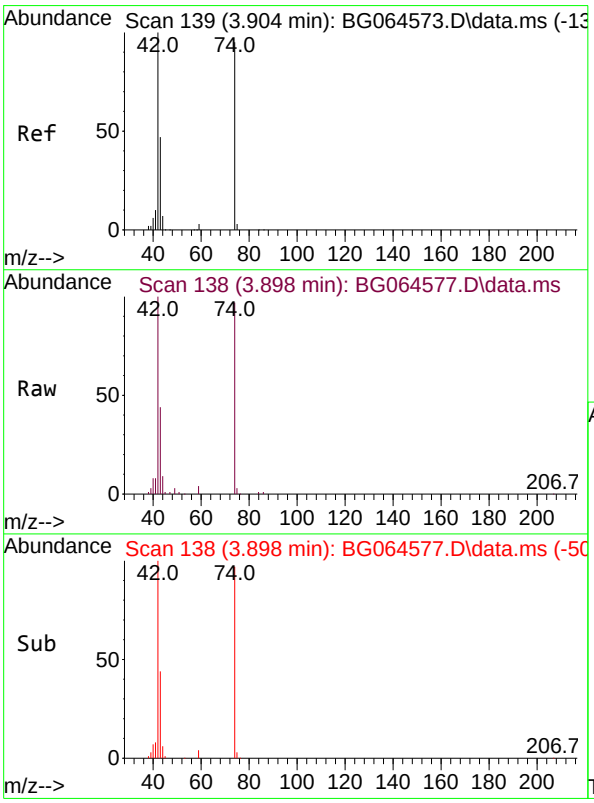
Ion	Ratio	Lower	Upper
79	100		
52	124.1	94.2	141.2
51	55.8	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

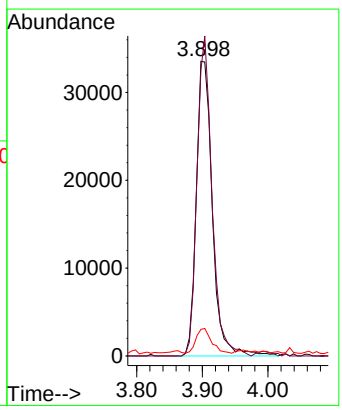
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

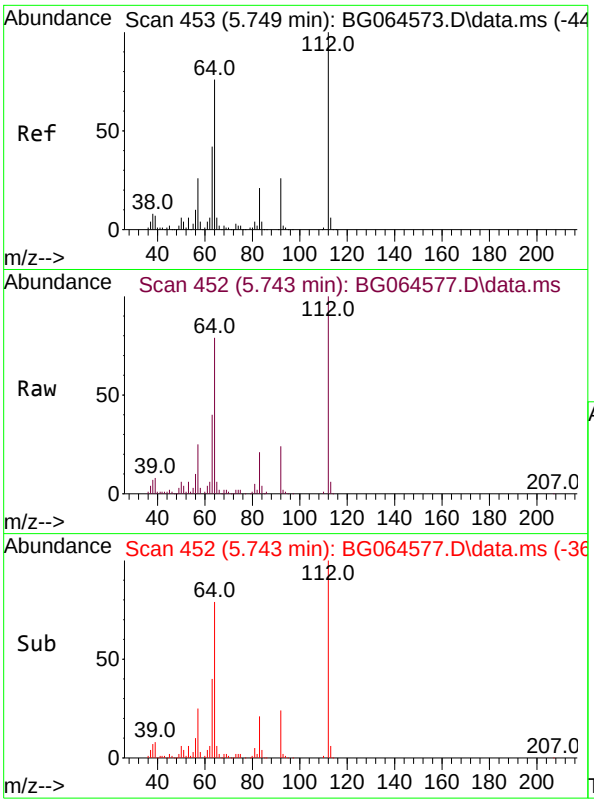


#4
n-Nitrosodimethylamine
Concen: 36.025 ng
RT: 3.898 min Scan# 138
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 42 Resp: 56903

Ion	Ratio	Lower	Upper
42	100		
74	97.0	76.1	114.1
44	9.0	6.3	9.5





#5
2-Fluorophenol
Concen: 70.535 ng
RT: 5.743 min Scan# 4
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

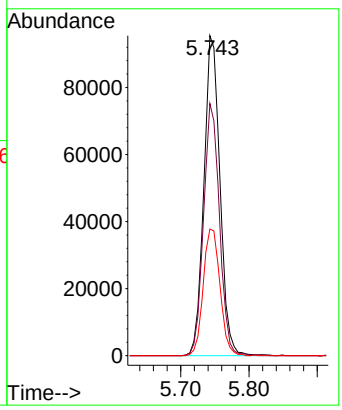
Tgt Ion:112 Resp: 15626

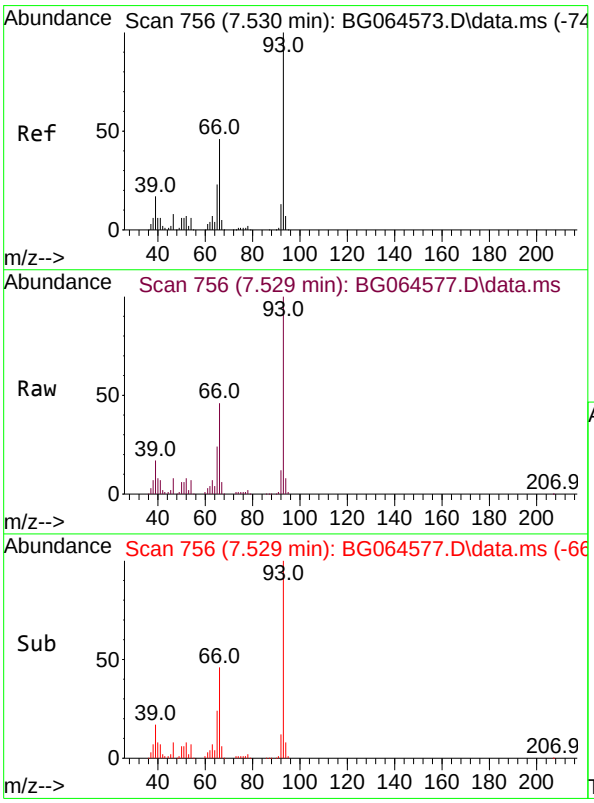
Ion	Ratio	Lower	Upper
112	100		
64	78.8	60.7	91.1
63	39.5	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

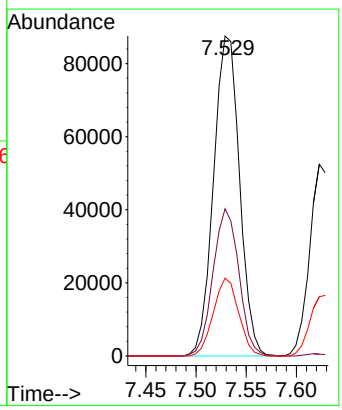


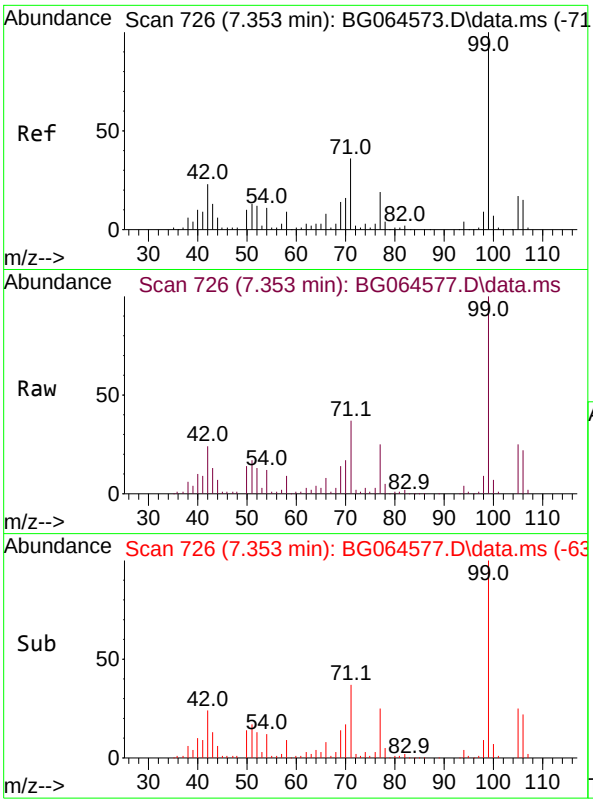


#6
Aniline
Concen: 38.118 ng
RT: 7.529 min Scan# 756
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 157683

Ion	Ratio	Lower	Upper
93	100		
66	46.0	37.0	55.6
65	24.3	18.3	27.5

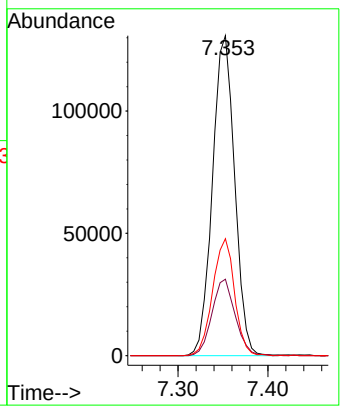




#7
Phenol-d6
Concen: 74.109 ng
RT: 7.353 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 99 Resp: 22529

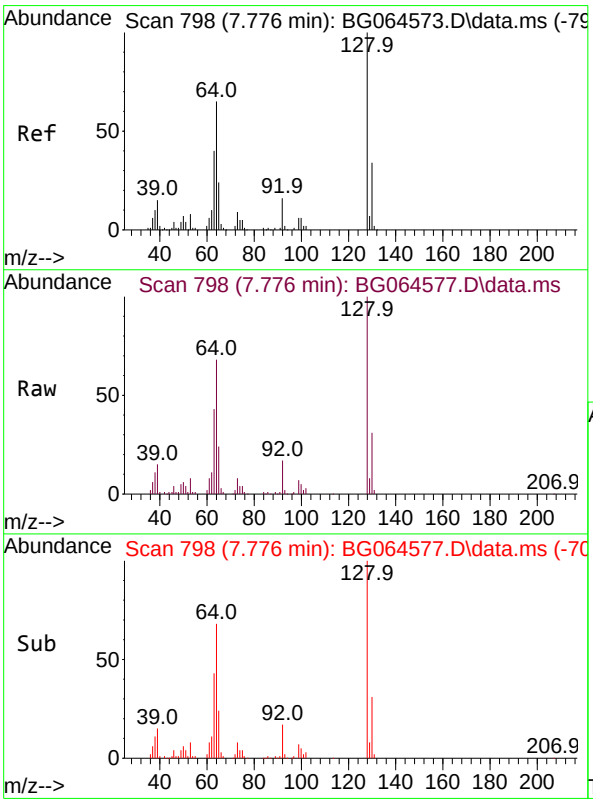
Ion	Ratio	Lower	Upper
99	100		
42	23.9	18.3	27.5
71	36.5	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

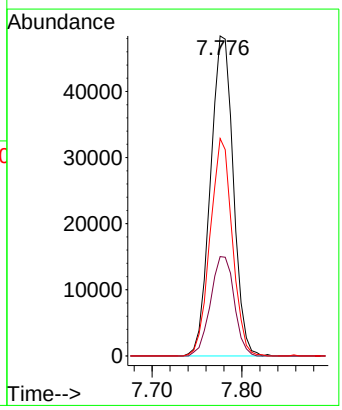
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

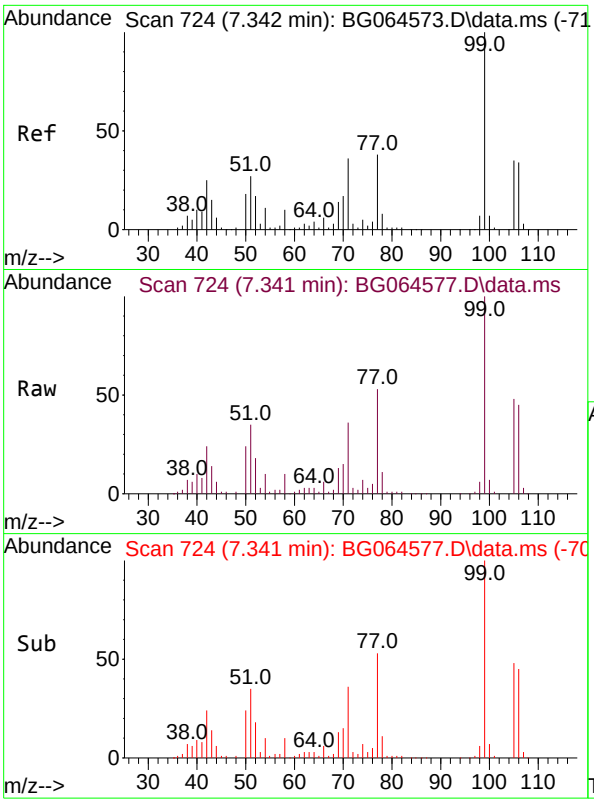


#8
2-Chlorophenol
Concen: 36.981 ng
RT: 7.776 min Scan# 798
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:128 Resp: 85755

Ion	Ratio	Lower	Upper
128	100		
130	31.0	13.5	53.5
64	67.9	45.2	85.2

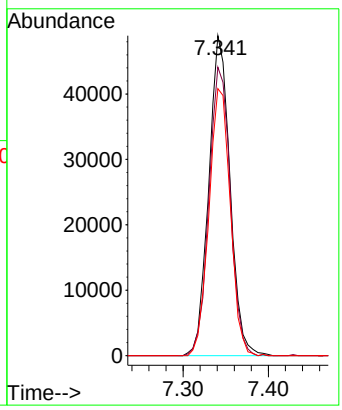




#9
Benzaldehyde
Concen: 50.923 ng
RT: 7.341 min Scan# 7
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 8451

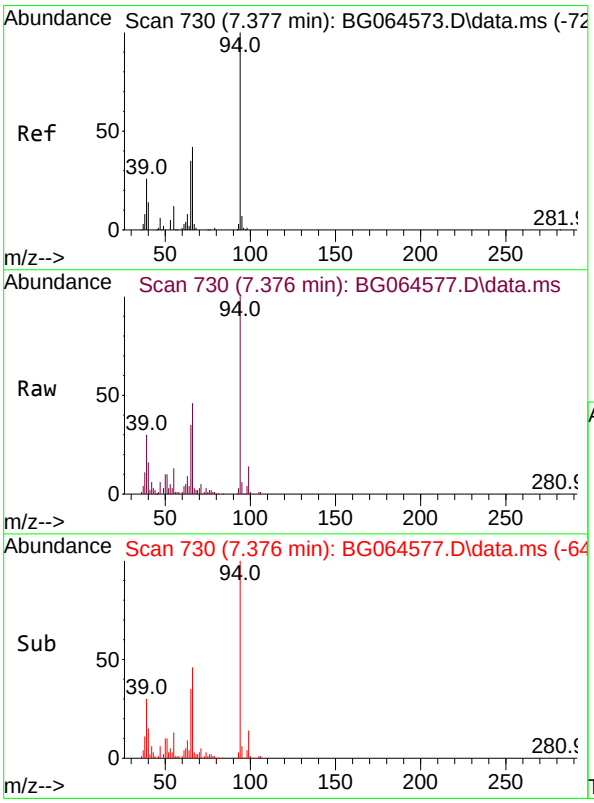
Ion	Ratio	Lower	Upper
77	100		
105	90.1	72.9	112.9
106	83.4	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

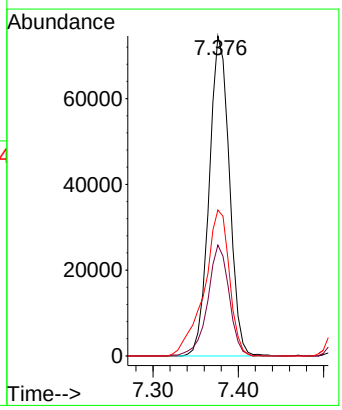
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

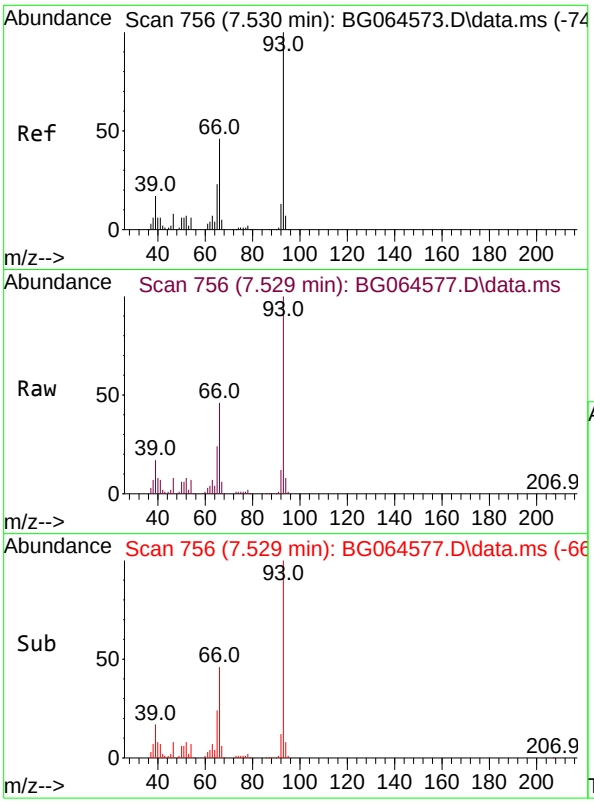


#10
Phenol
Concen: 36.410 ng
RT: 7.376 min Scan# 730
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 94 Resp: 122412

Ion	Ratio	Lower	Upper
94	100		
65	34.6	15.8	55.8
66	45.6	24.0	64.0

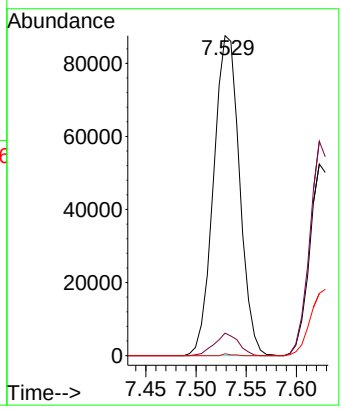




#11
bis(2-Chloroethyl)ether
Concen: 38.118 ng
RT: 7.529 min Scan# 7
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 15768

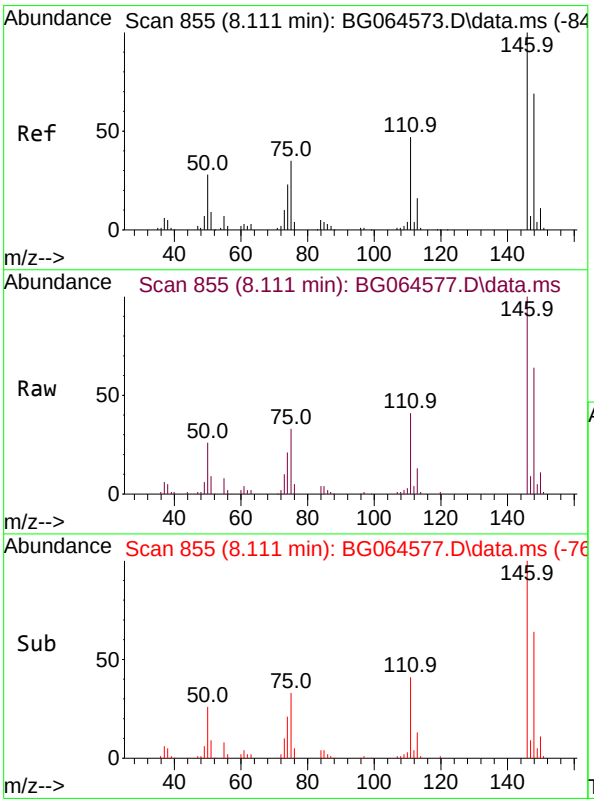
Ion	Ratio	Lower	Upper
93	100		
63	7.0	0.0	27.4
95	0.6	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

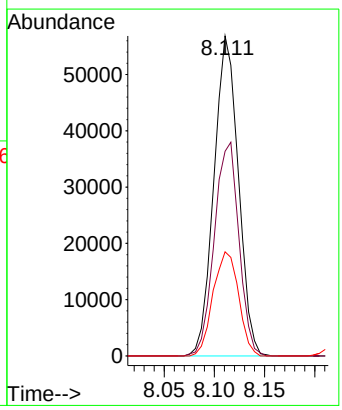
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

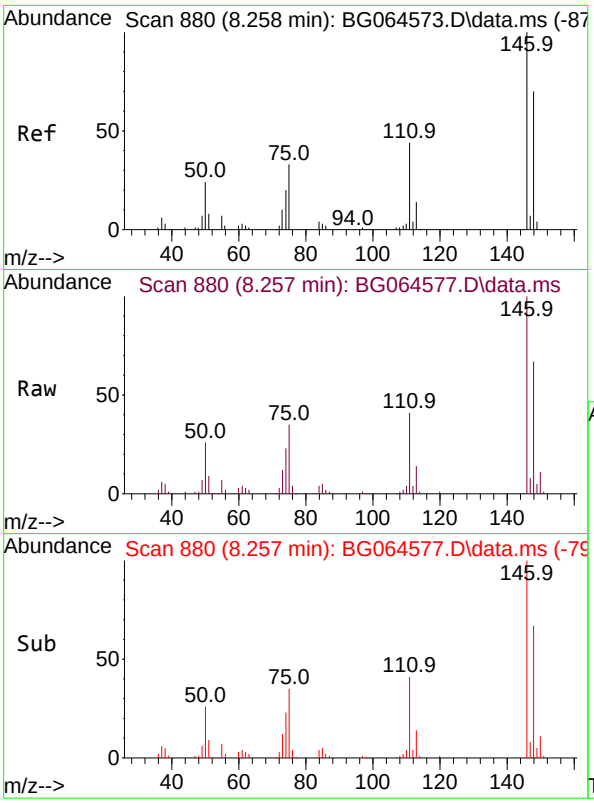


#12
1,3-Dichlorobenzene
Concen: 36.085 ng
RT: 8.111 min Scan# 855
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96308

Ion	Ratio	Lower	Upper
146	100		
148	63.9	55.3	82.9
75	32.5	28.2	42.2

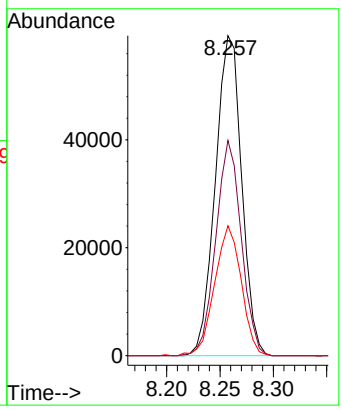




#13
1,4-Dichlorobenzene
Concen: 37.635 ng
RT: 8.257 min Scan# 88
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 10213

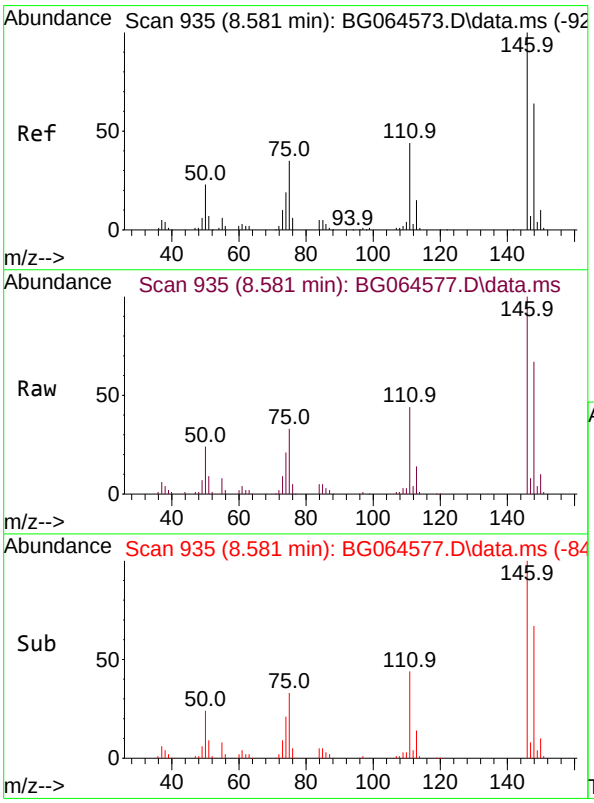
Ion	Ratio	Lower	Upper
146	100		
148	67.2	56.2	84.4
111	40.6	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

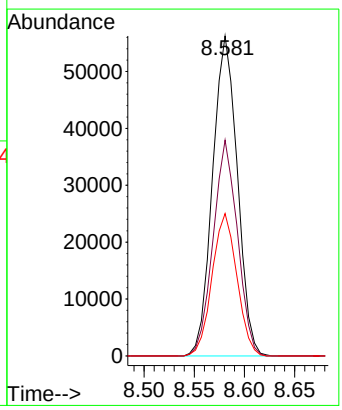
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

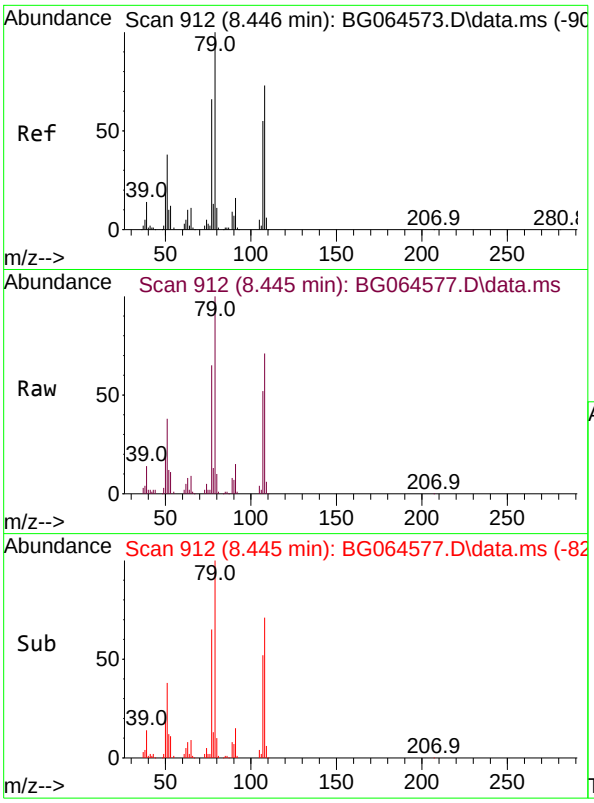


#14
1,2-Dichlorobenzene
Concen: 36.924 ng
RT: 8.581 min Scan# 935
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:146 Resp: 96651

Ion	Ratio	Lower	Upper
146	100		
148	67.4	51.5	77.3
111	44.5	35.0	52.6

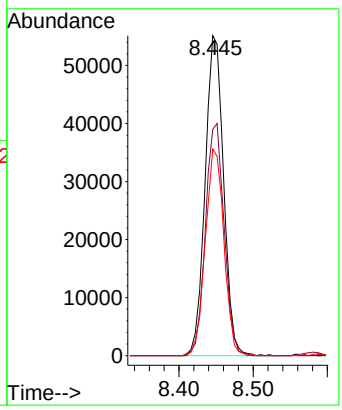




#15
Benzyl Alcohol
Concen: 37.995 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 79 Resp: 9525

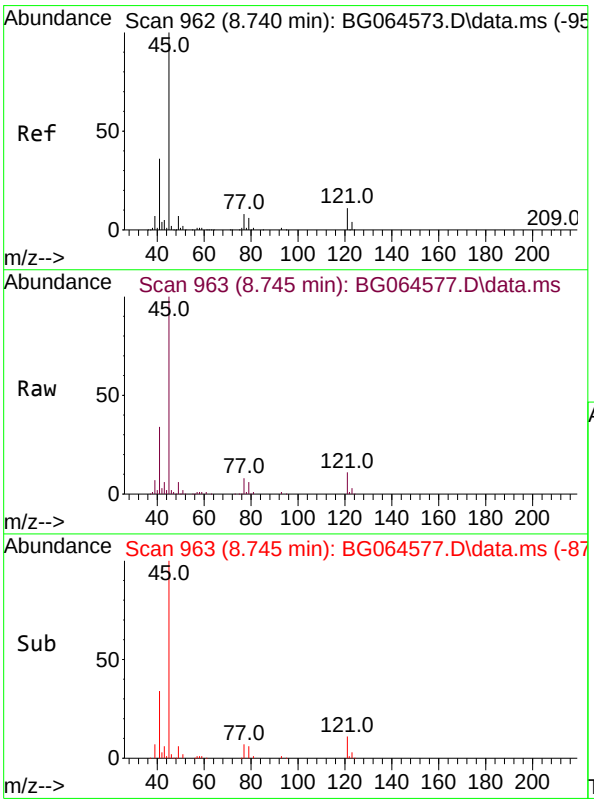
Ion	Ratio	Lower	Upper
79	100		
108	70.7	58.1	87.1
77	64.5	52.8	79.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

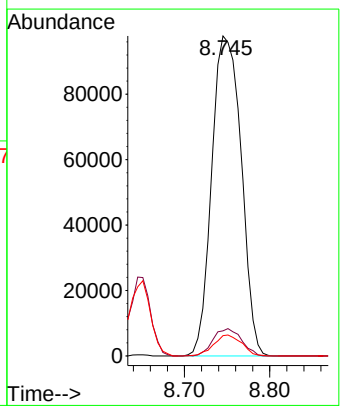
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

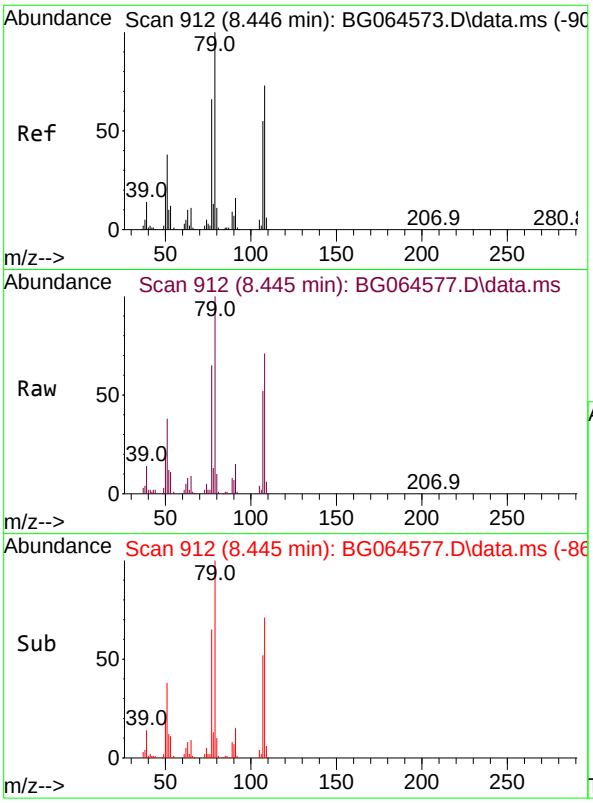


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.163 ng
RT: 8.745 min Scan# 963
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 45 Resp: 234476

Ion	Ratio	Lower	Upper
45	100		
77	7.8	0.0	28.5
79	6.3	0.0	25.6

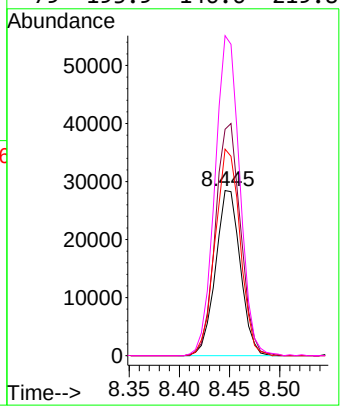




#17
2-Methylphenol
Concen: 38.945 ng
RT: 8.445 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 4880

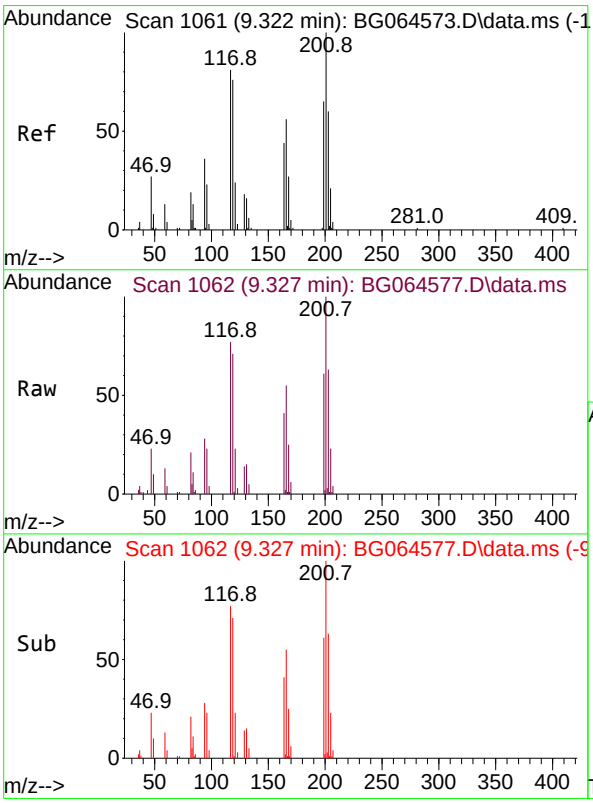
Ion	Ratio	Lower	Upper
107	100		
108	137.1	106.4	159.6
77	125.1	96.7	145.1
79	193.9	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

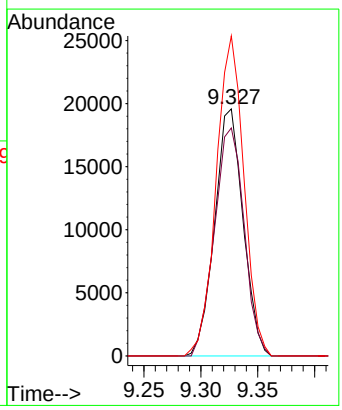
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

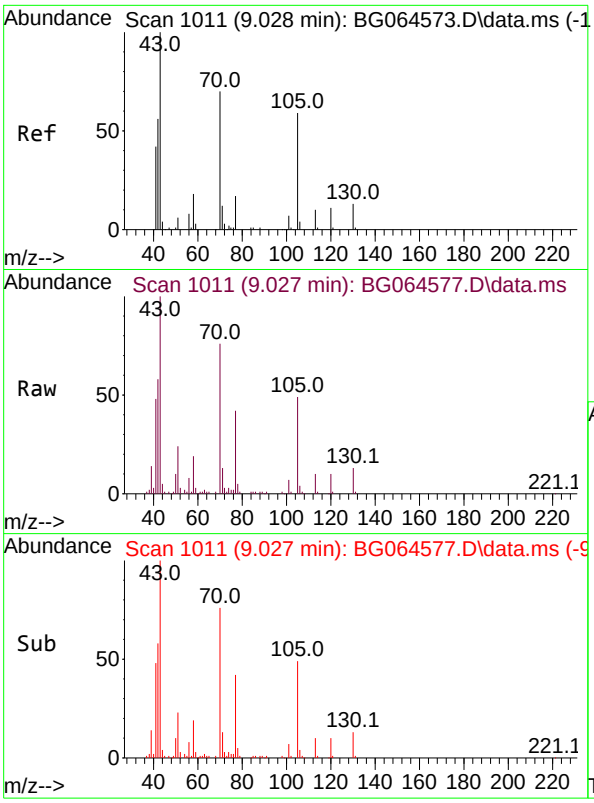


#18
Hexachloroethane
Concen: 35.743 ng
RT: 9.327 min Scan# 1062
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:117 Resp: 34040

Ion	Ratio	Lower	Upper
117	100		
119	92.3	75.4	113.2
201	129.6	99.2	148.8

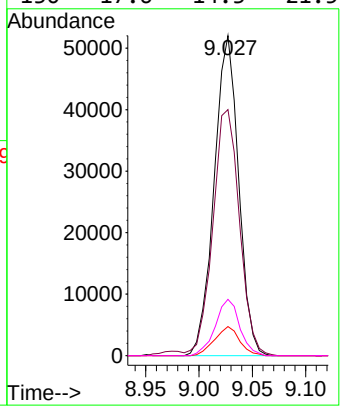




#19
n-Nitroso-di-n-propylamine
Concen: 39.572 ng
RT: 9.027 min Scan# 10
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 70 Resp: 8314

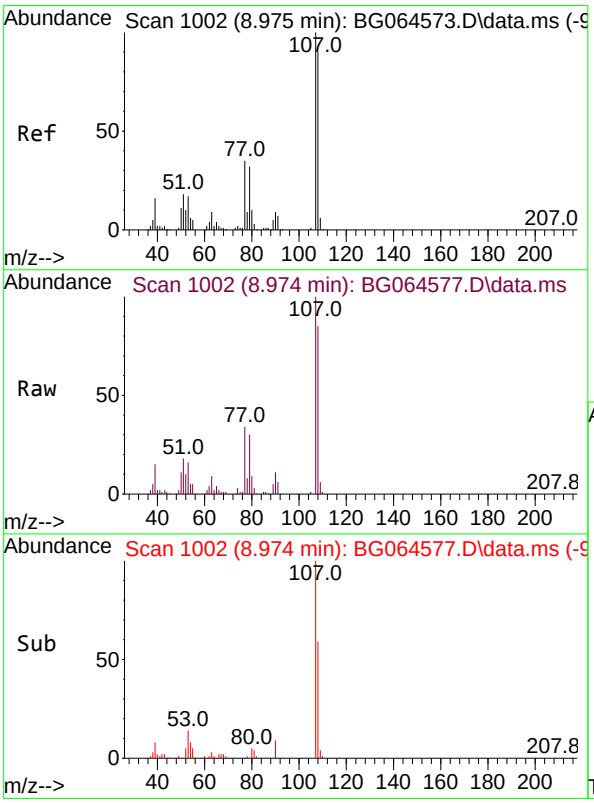
Ion	Ratio	Lower	Upper
70	100		
42	76.9	65.2	97.8
101	9.1	7.9	11.9
130	17.6	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

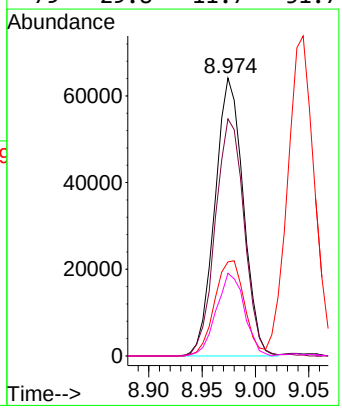
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

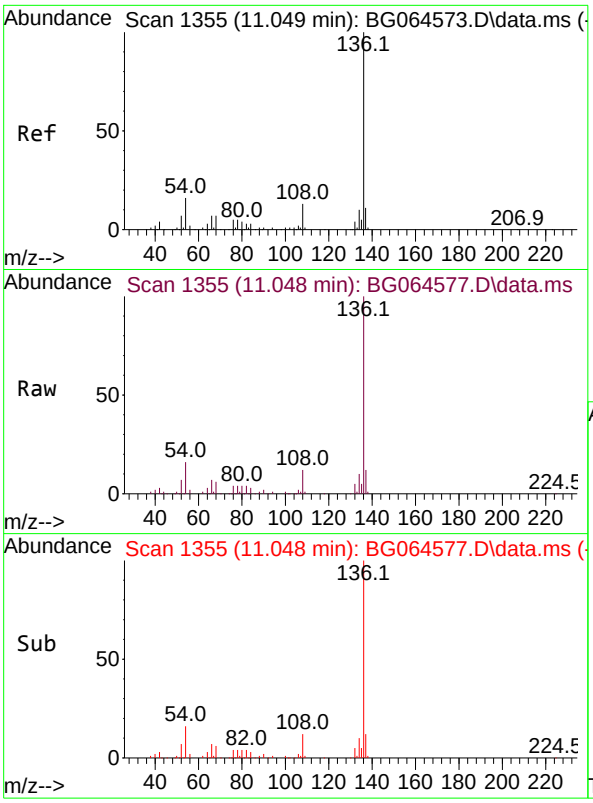


#20
3+4-Methylphenols
Concen: 37.882 ng
RT: 8.974 min Scan# 1002
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 118917

Ion	Ratio	Lower	Upper
107	100		
108	85.3	70.3	110.3
77	33.8	14.6	54.6
79	29.8	11.7	51.7

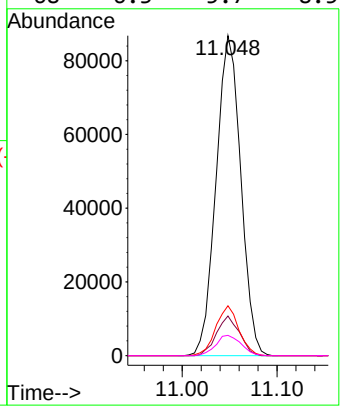




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.048 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:136 Resp: 15712

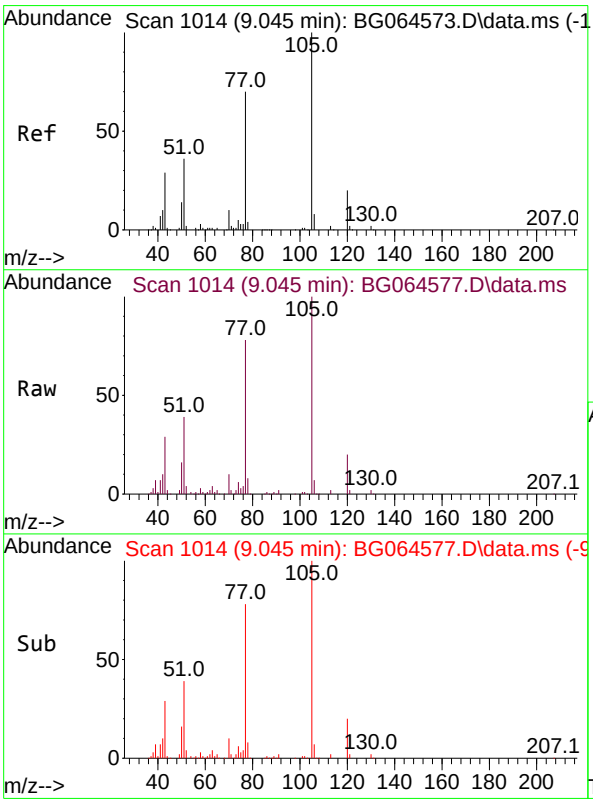
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	15.6	12.6	19.0
68	6.3	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

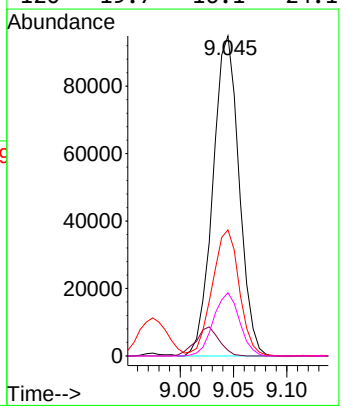
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

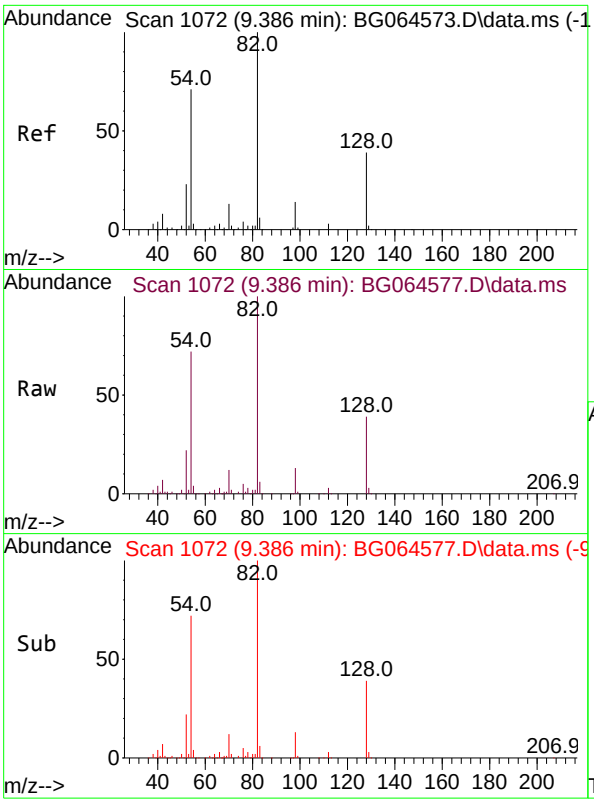


#22
Acetophenone
Concen: 37.806 ng
RT: 9.045 min Scan# 1014
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:105 Resp: 162385

Ion	Ratio	Lower	Upper
105	100		
71	1.7	1.5	2.3
51	39.4	33.7	50.5
120	19.7	16.1	24.1

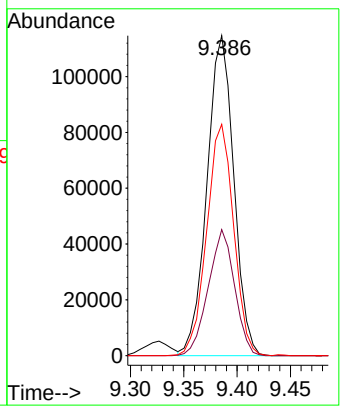




#23
Nitrobenzene-d5
Concen: 76.738 ng
RT: 9.386 min Scan# 10
Delta R.T. -0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 82 Resp: 20074

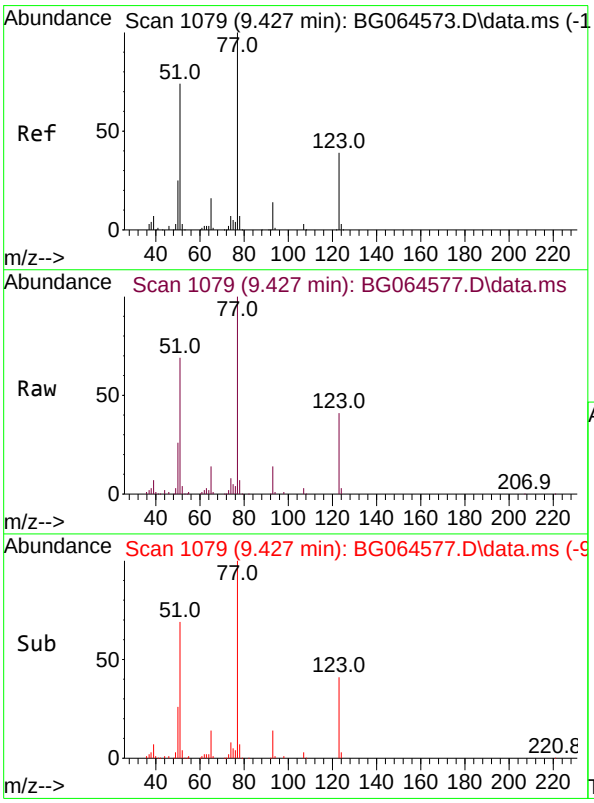
Ion	Ratio	Lower	Upper
82	100		
128	39.4	31.3	46.9
54	72.3	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

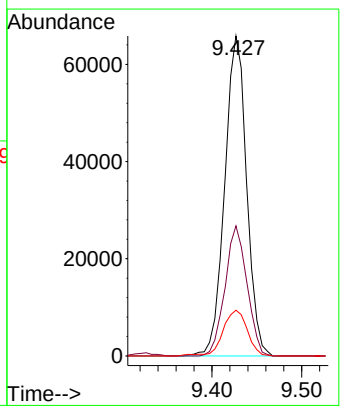
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

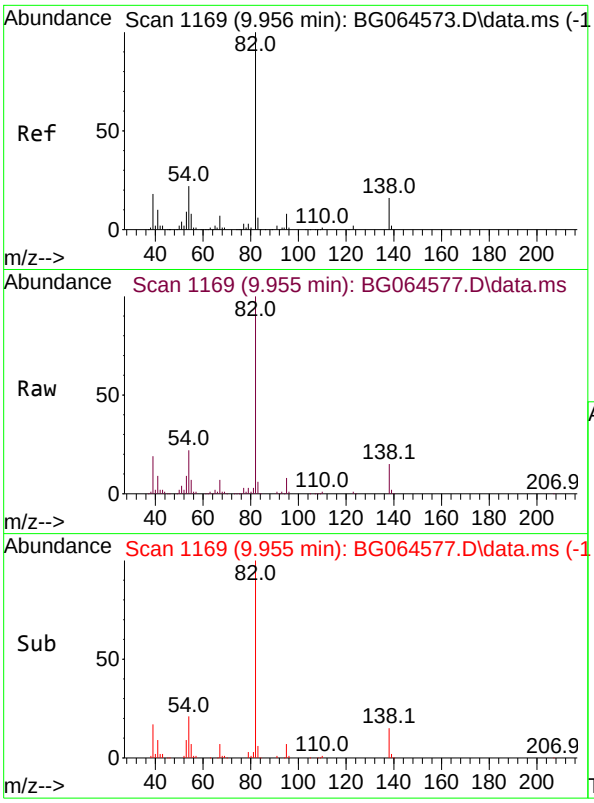


#24
Nitrobenzene
Concen: 39.305 ng
RT: 9.427 min Scan# 1079
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 111836

Ion	Ratio	Lower	Upper
77	100		
123	40.6	31.0	46.6
65	14.3	12.7	19.1

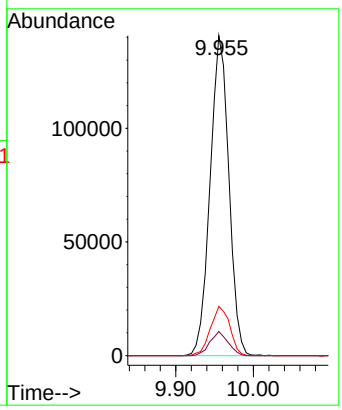




#25
Isophorone
Concen: 37.733 ng
RT: 9.955 min Scan# 11
Delta R.T. -0.011 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 82 Resp: 23686

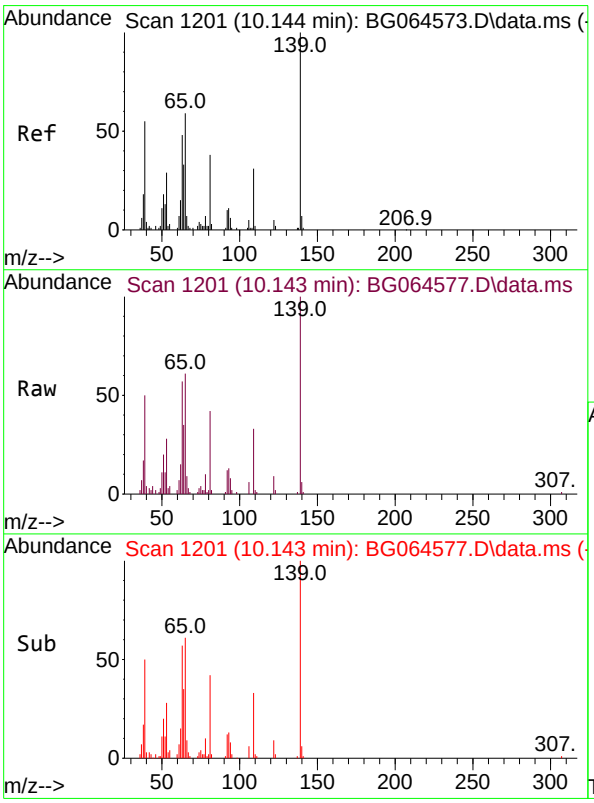
Ion	Ratio	Lower	Upper
82	100		
95	7.5	6.1	9.1
138	15.4	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

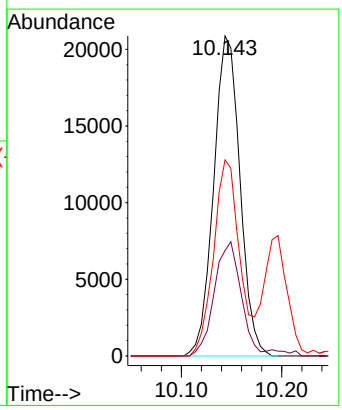
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

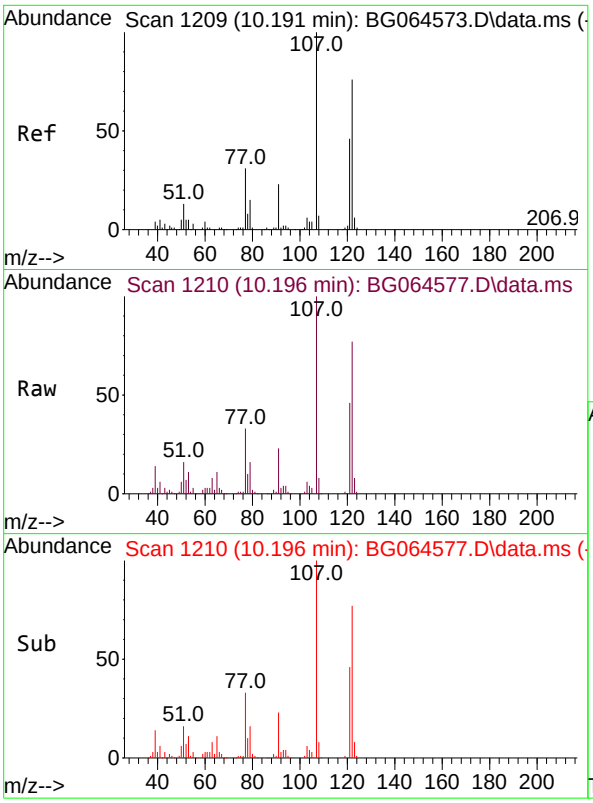


#26
2-Nitrophenol
Concen: 35.498 ng
RT: 10.143 min Scan# 1201
Delta R.T. -0.005 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 38013

Ion	Ratio	Lower	Upper
139	100		
109	32.9	24.6	37.0
65	61.3	47.5	71.3

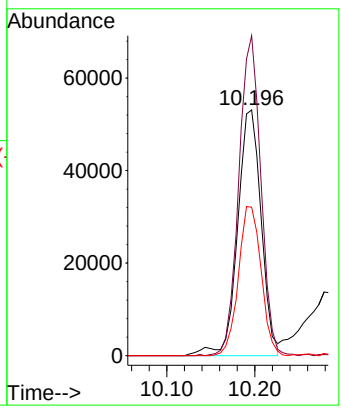




#27
2,4-Dimethylphenol
Concen: 41.336 ng m
RT: 10.196 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 9845

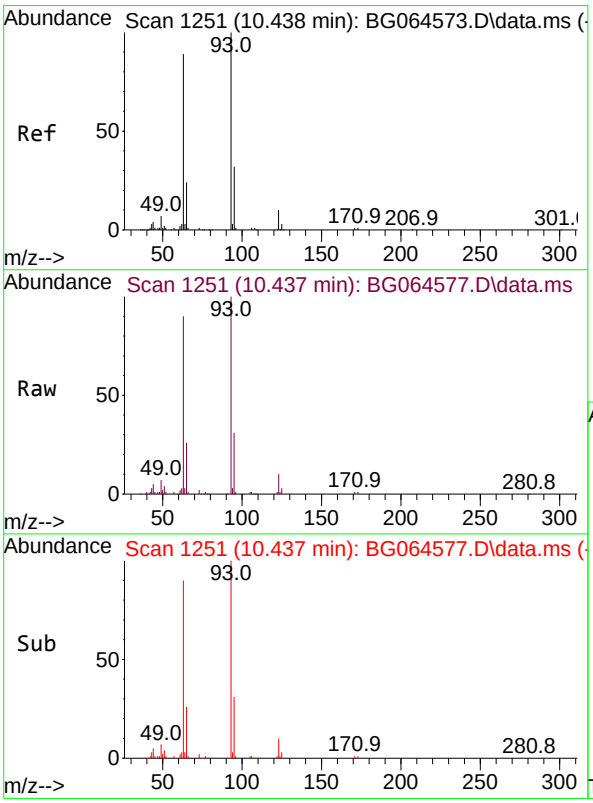
Ion	Ratio	Lower	Upper
122	100		
107	130.3	103.0	154.4
121	60.4	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

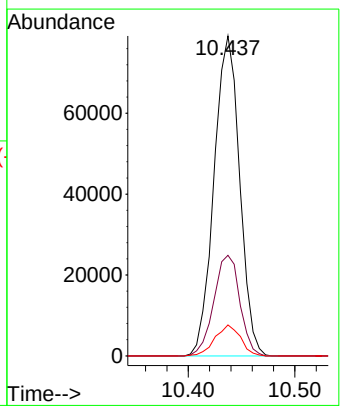
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

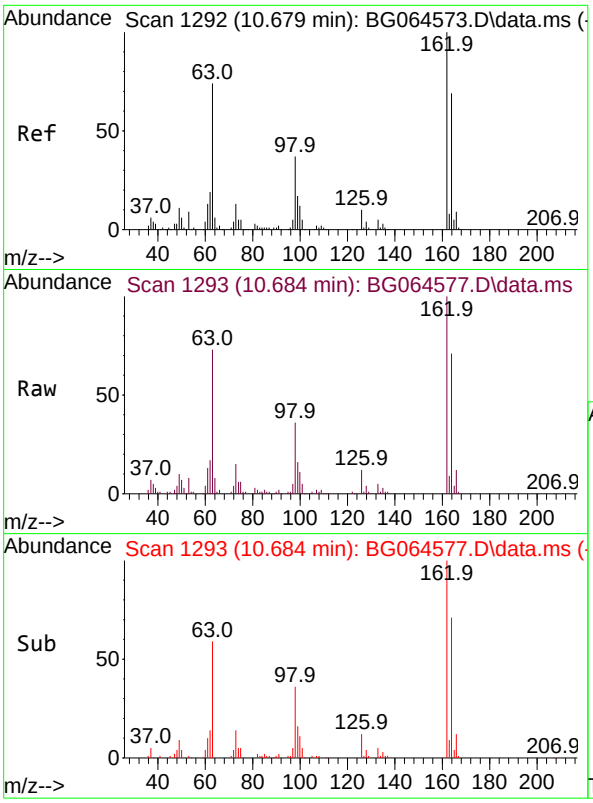


#28
bis(2-Chloroethoxy)methane
Concen: 36.953 ng
RT: 10.437 min Scan# 1251
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 93 Resp: 132072

Ion	Ratio	Lower	Upper
93	100		
95	31.4	25.4	38.2
123	9.7	8.4	12.6

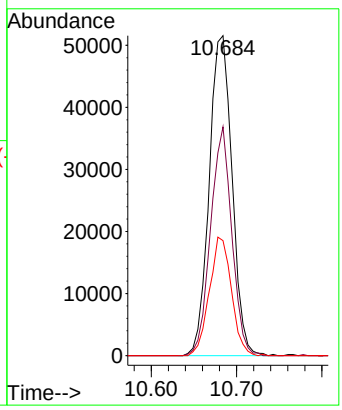




#29
2,4-Dichlorophenol
Concen: 38.190 ng
RT: 10.684 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:162 Resp: 9596

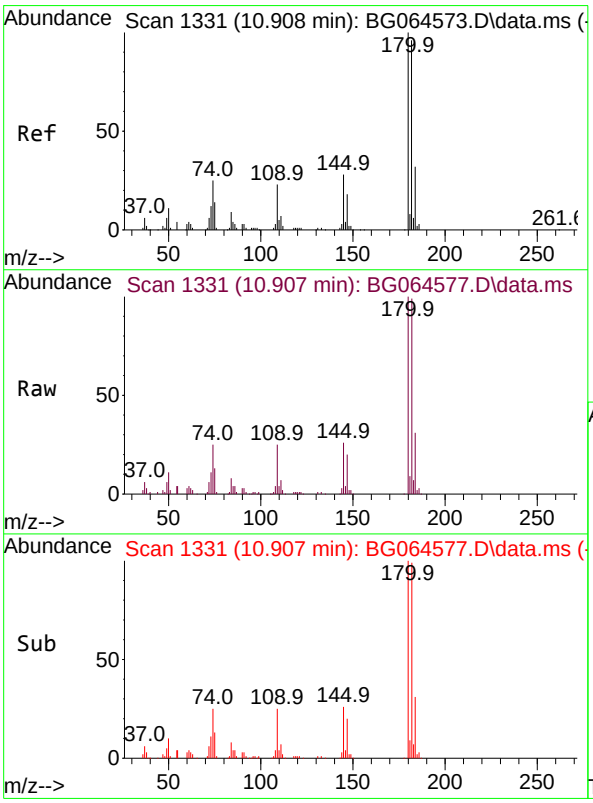
Ion	Ratio	Lower	Upper
162	100		
164	71.5	48.7	88.7
98	35.9	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

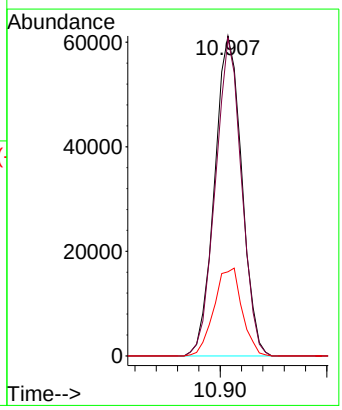
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

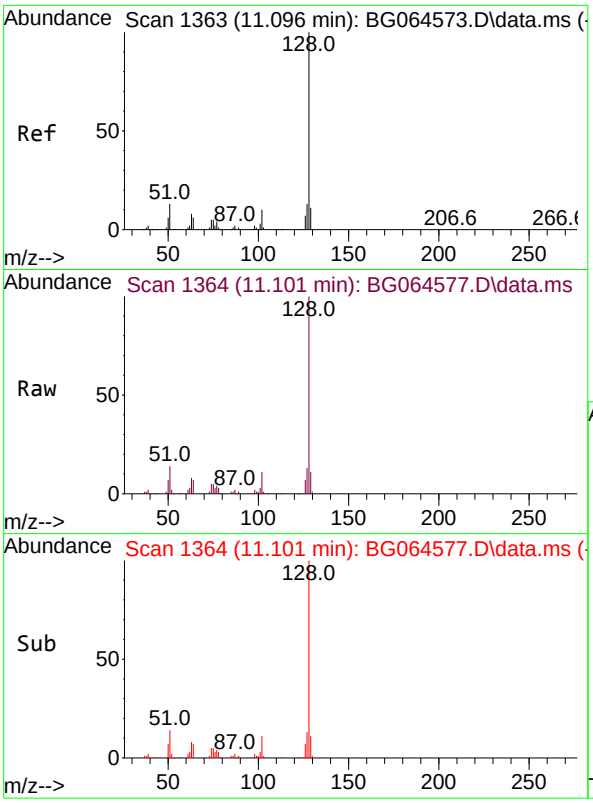


#30
1,2,4-Trichlorobenzene
Concen: 37.945 ng
RT: 10.907 min Scan# 1331
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:180 Resp: 108339

Ion	Ratio	Lower	Upper
180	100		
182	99.3	76.9	115.3
145	26.3	22.1	33.1

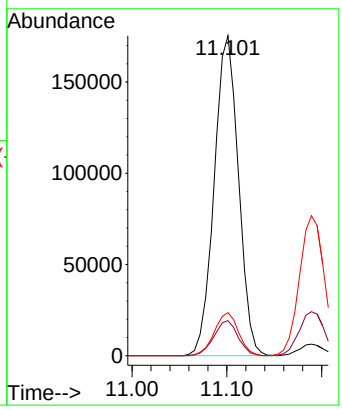




#31
Naphthalene
Concen: 35.709 ng
RT: 11.101 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:128 Resp: 31108

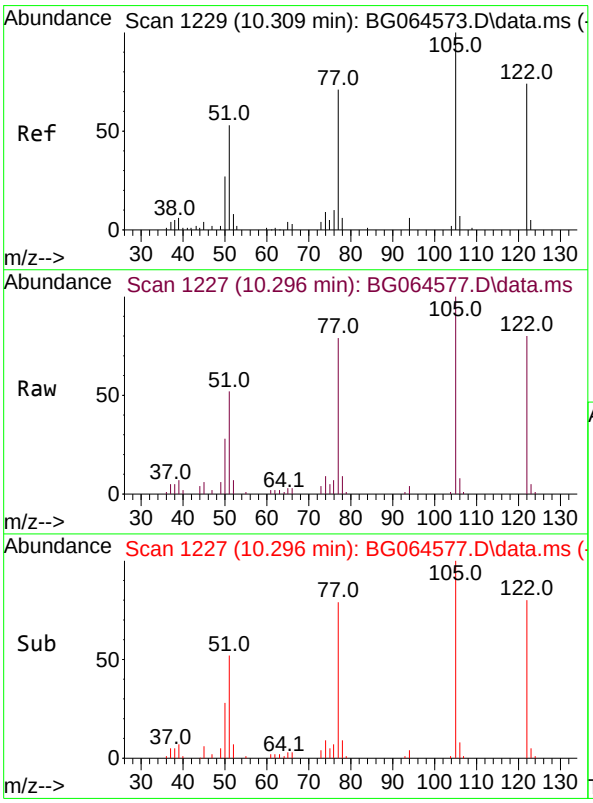
Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.4	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

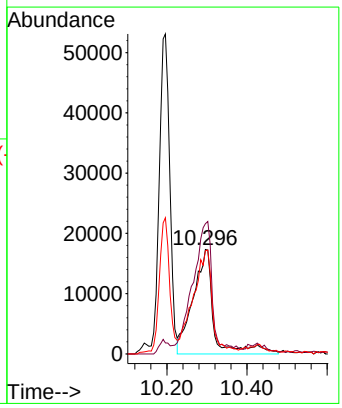
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

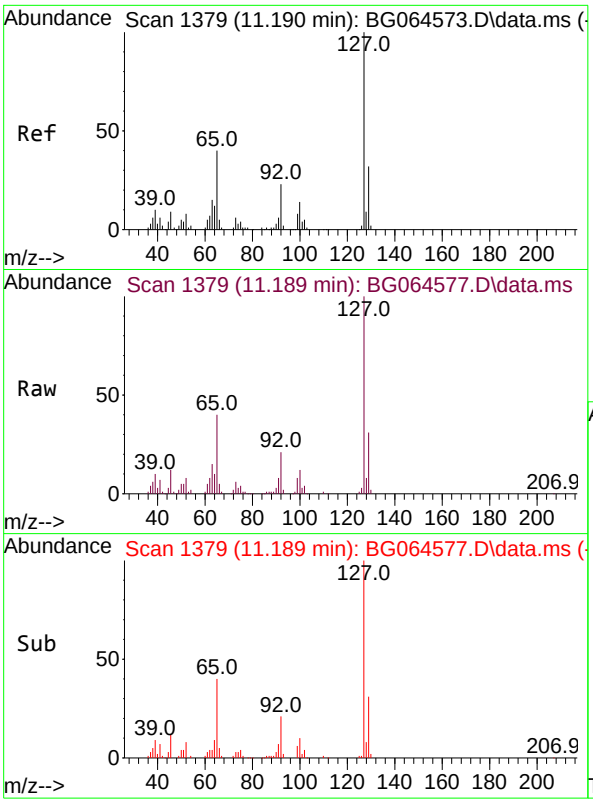


#32
Benzoic acid
Concen: 37.924 ng m
RT: 10.296 min Scan# 1227
Delta R.T. -0.046 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:122 Resp: 62191

Ion	Ratio	Lower	Upper
122	100		
105	124.6	104.2	144.2
77	98.8	70.2	110.2

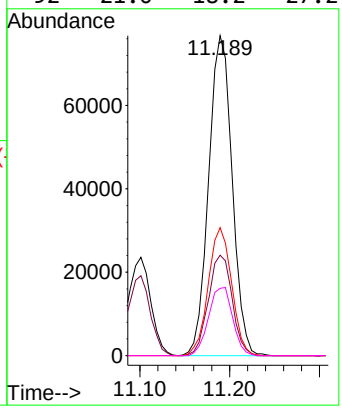




#33
4-Chloroaniline
Concen: 41.287 ng
RT: 11.189 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:127 Resp: 13979

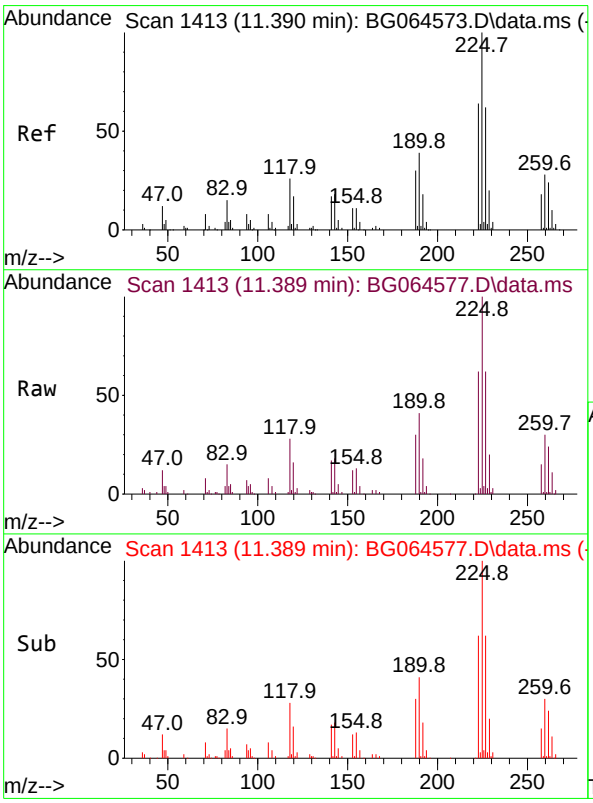
Ion	Ratio	Lower	Upper
127	100		
129	31.4	25.5	38.3
65	40.0	32.2	48.4
92	21.0	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

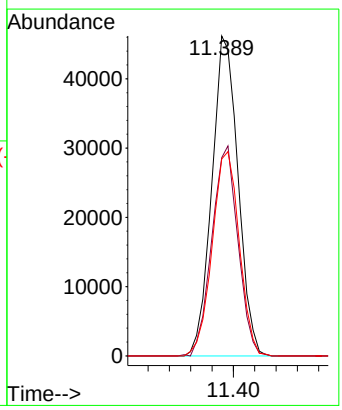
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

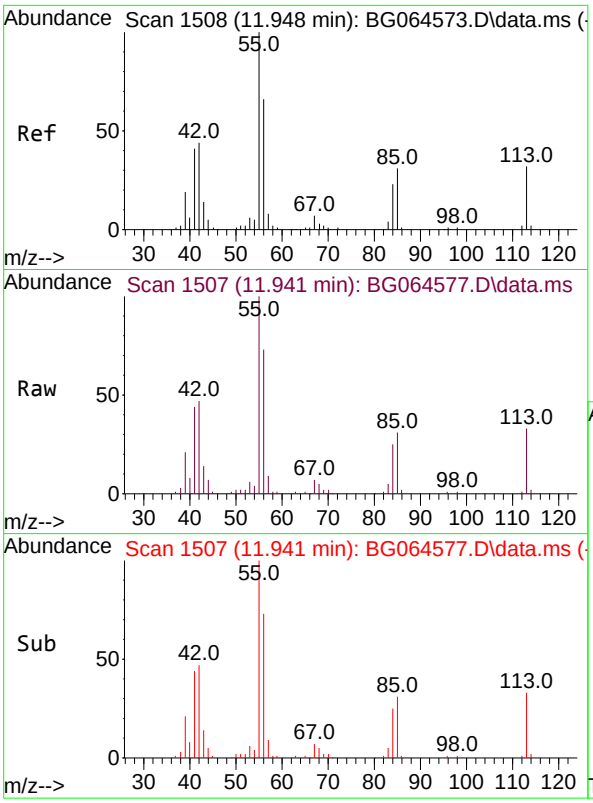


#34
Hexachlorobutadiene
Concen: 35.242 ng
RT: 11.389 min Scan# 1413
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:225 Resp: 78691

Ion	Ratio	Lower	Upper
225	100		
223	59.7	48.8	73.2
227	59.3	49.5	74.3

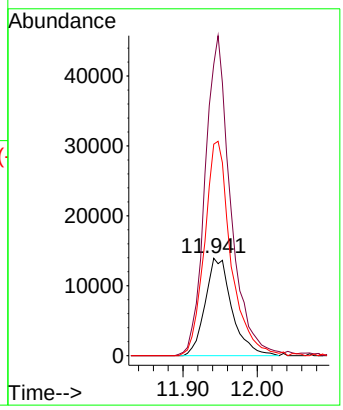




#35
Caprolactam
Concen: 36.326 ng
RT: 11.941 min Scan# 1
Delta R.T. -0.034 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:113 Resp: 3501

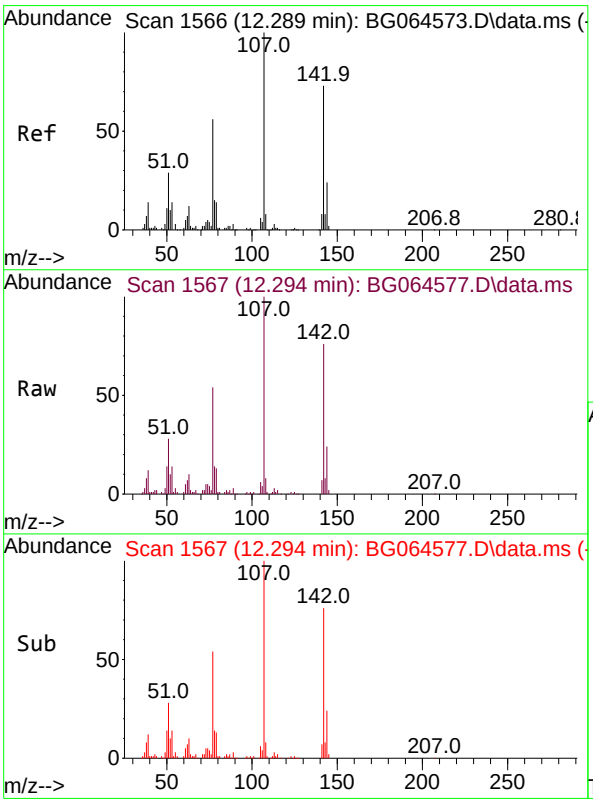
Ion	Ratio	Lower	Upper
113	100		
55	299.0	290.1	330.1
56	217.0	183.8	223.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

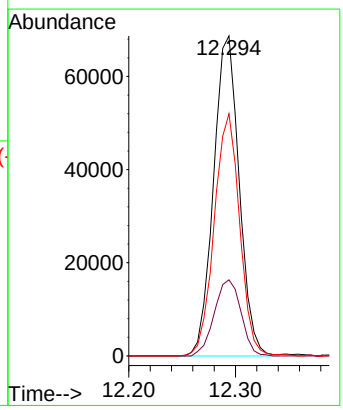
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

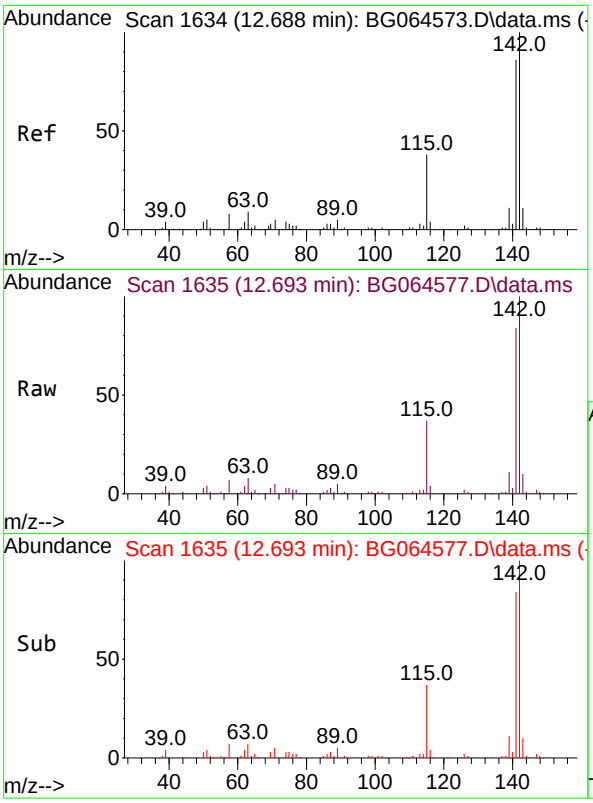


#36
4-Chloro-3-methylphenol
Concen: 38.049 ng
RT: 12.294 min Scan# 1567
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:107 Resp: 114927

Ion	Ratio	Lower	Upper
107	100		
144	23.8	19.1	28.7
142	75.7	58.6	87.8

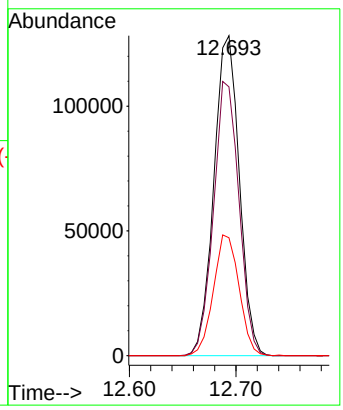




#37
2-Methylnaphthalene
Concen: 33.388 ng
RT: 12.693 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:142 Resp: 21354

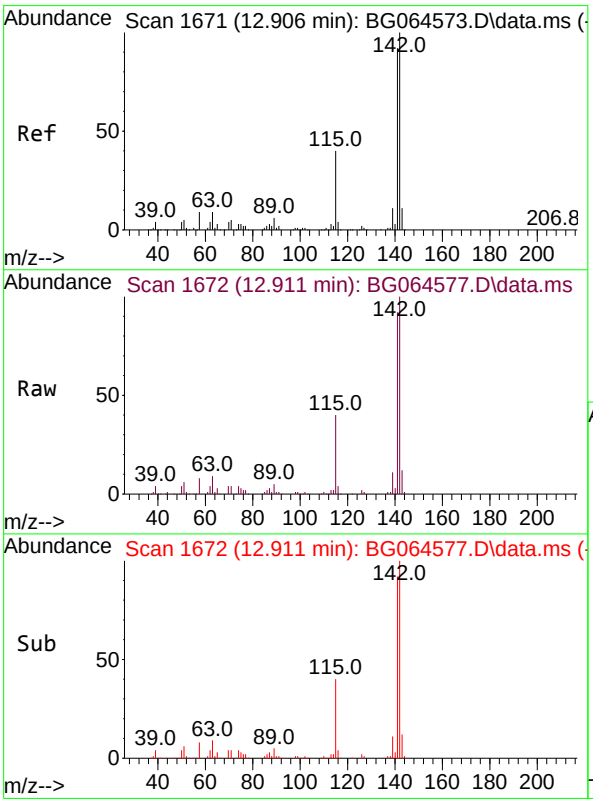
Ion	Ratio	Lower	Upper
142	100		
141	84.0	68.9	103.3
115	36.8	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

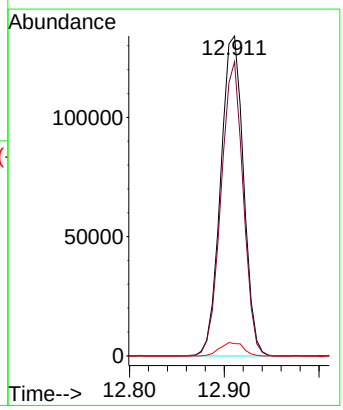
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

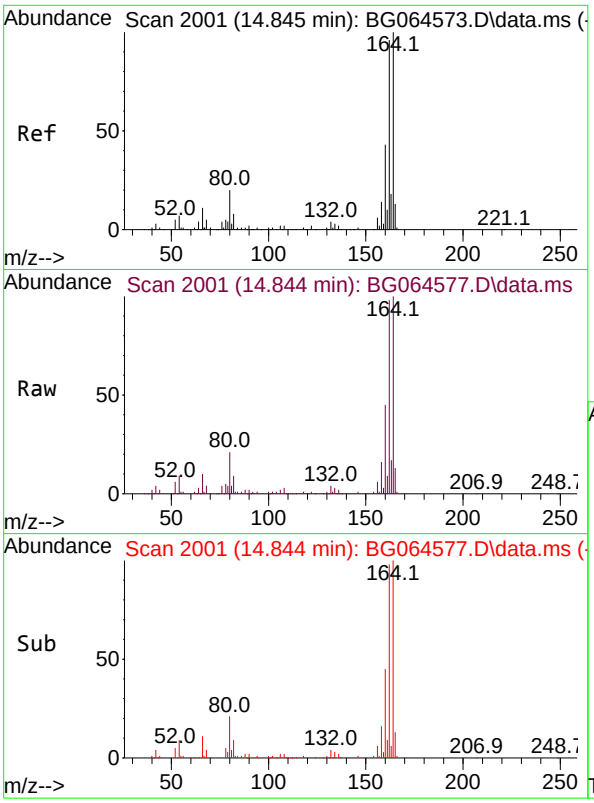


#38
1-Methylnaphthalene
Concen: 35.729 ng
RT: 12.911 min Scan# 1672
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:142 Resp: 224857

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.3	109.9
116	3.8	3.1	4.7

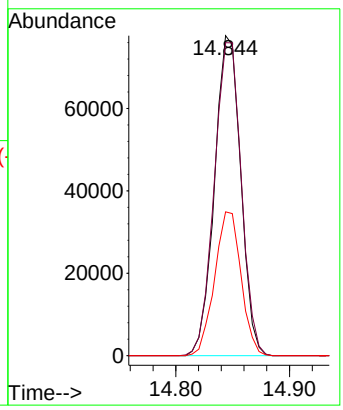




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.844 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:164 Resp: 12420

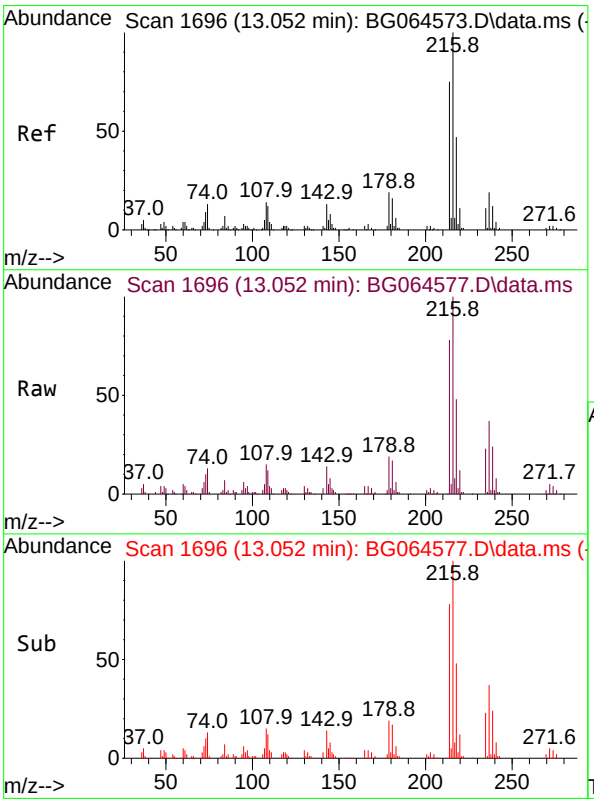
Ion	Ratio	Lower	Upper
164	100		
162	97.8	77.0	115.6
160	44.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

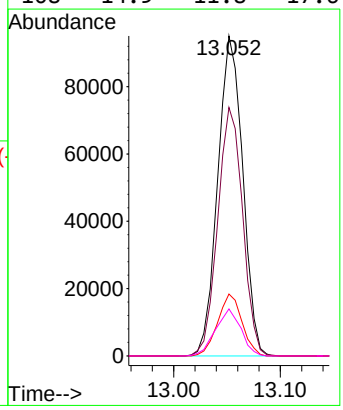
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

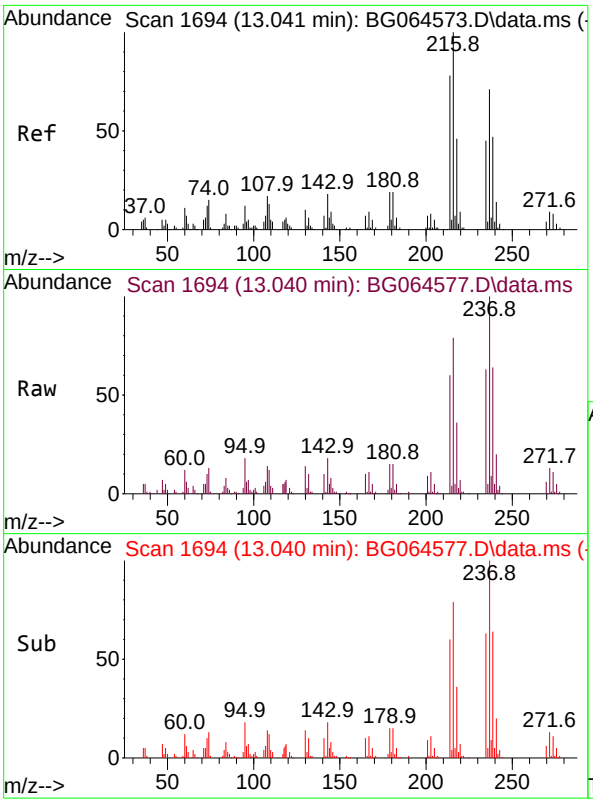


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.146 ng
RT: 13.052 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:216 Resp: 154838

Ion	Ratio	Lower	Upper
216	100		
214	77.4	61.4	92.2
179	18.9	15.4	23.0
108	14.9	11.8	17.6

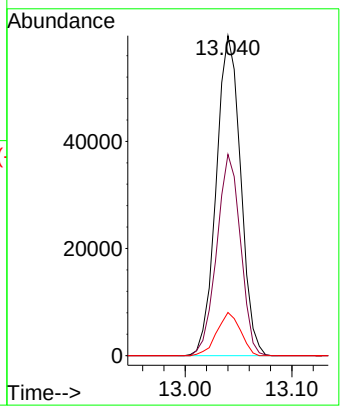




#41
Hexachlorocyclopentadiene
Concen: 50.669 ng
RT: 13.040 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:237 Resp: 9506

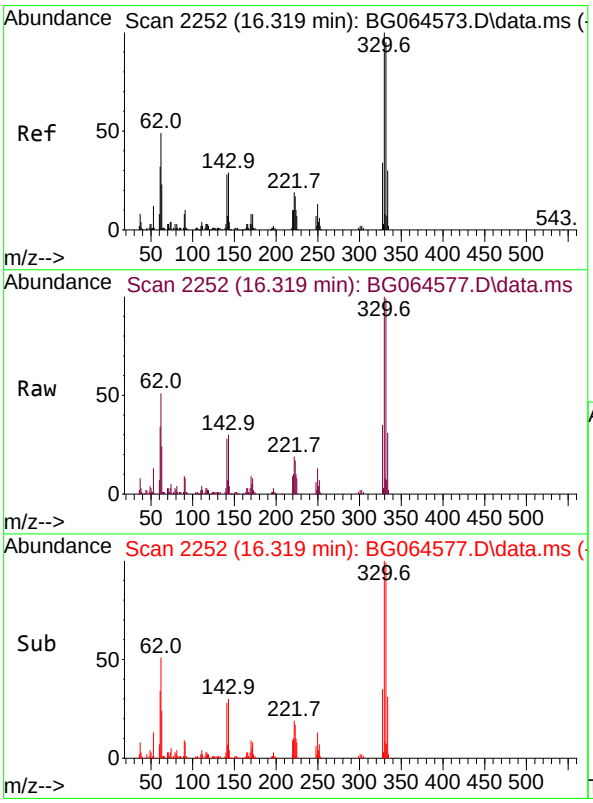
Ion	Ratio	Lower	Upper
237	100		
235	62.9	44.1	84.1
272	13.5	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

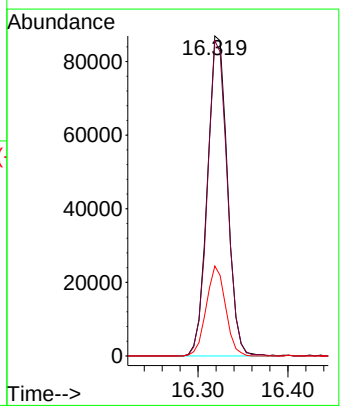
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

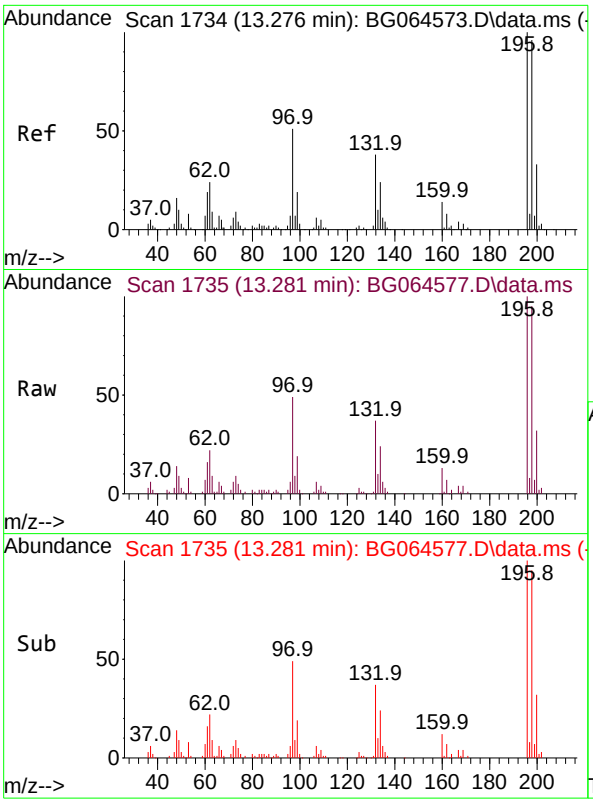


#42
2,4,6-Tribromophenol
Concen: 75.074 ng
RT: 16.319 min Scan# 2252
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:330 Resp: 134578

Ion	Ratio	Lower	Upper
330	100		
332	97.4	78.0	117.0
141	27.0	21.8	32.6

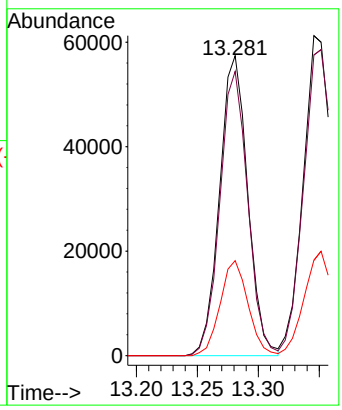




#43
2,4,6-Trichlorophenol
Concen: 38.726 ng
RT: 13.281 min Scan# 1
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:196 Resp: 9233

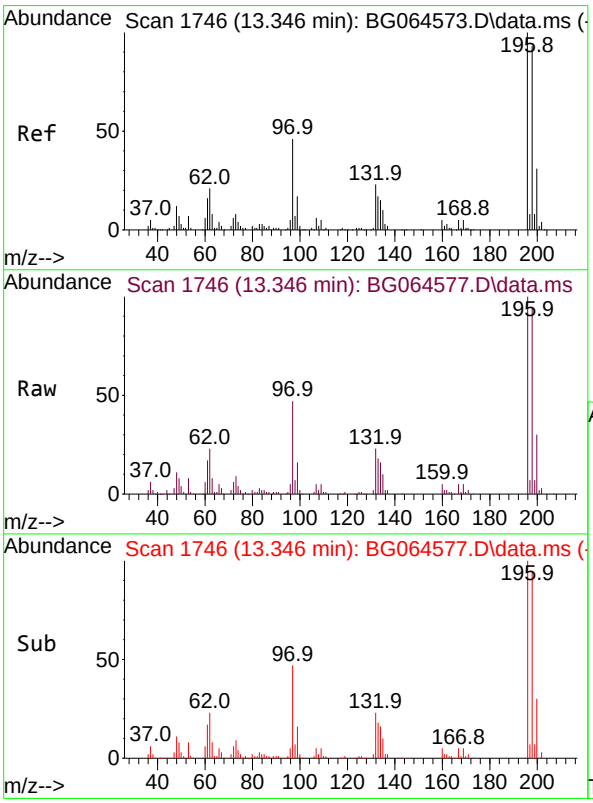
Ion	Ratio	Lower	Upper
196	100		
198	94.8	76.6	115.0
200	31.7	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

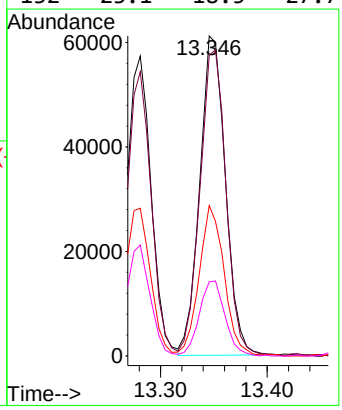
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

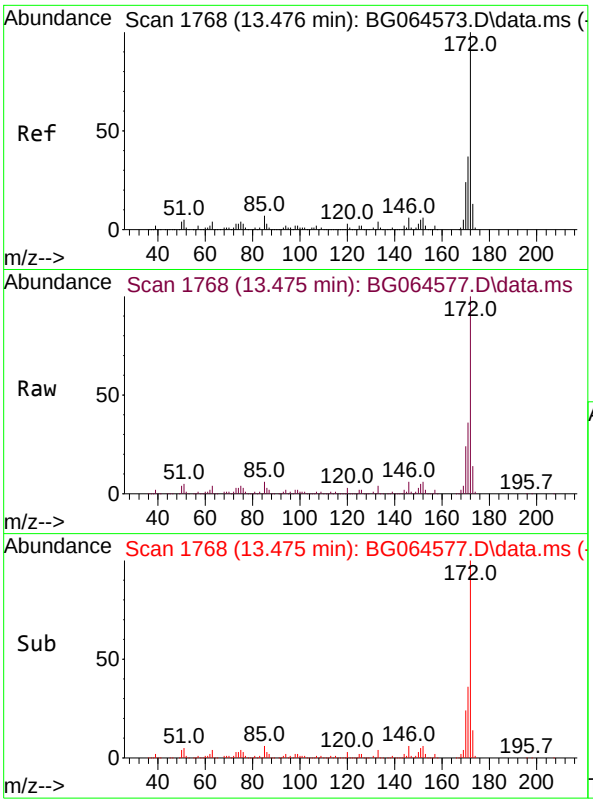


#44
2,4,5-Trichlorophenol
Concen: 37.228 ng
RT: 13.346 min Scan# 1746
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:196 Resp: 102433

Ion	Ratio	Lower	Upper
196	100		
198	93.9	74.2	111.4
97	47.0	37.0	55.6
132	23.1	18.5	27.7

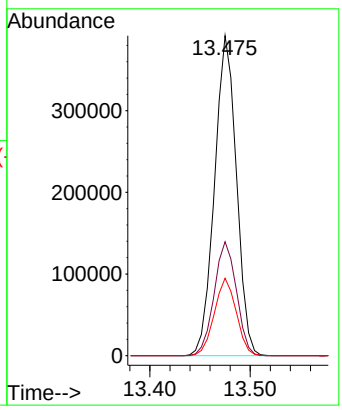




#45
2-Fluorobiphenyl
Concen: 72.599 ng
RT: 13.475 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:172 Resp: 59488

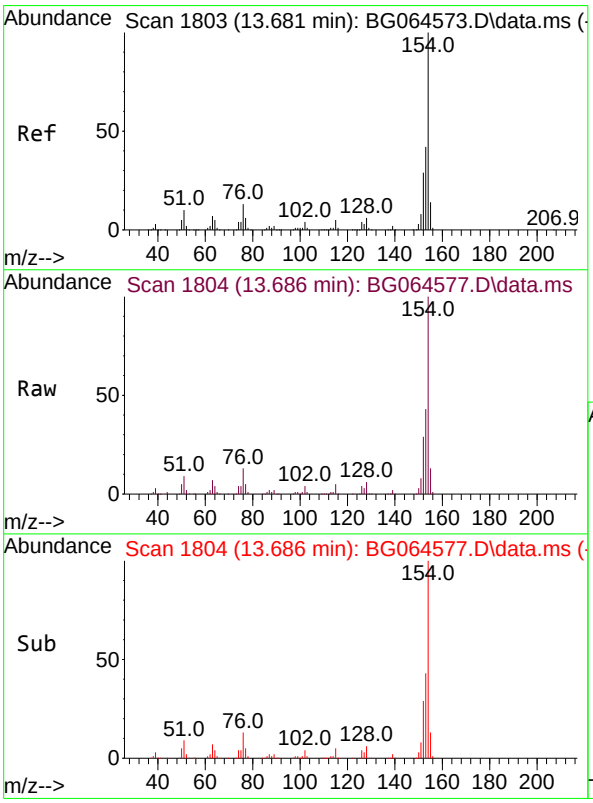
Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.4	44.0
170	24.2	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

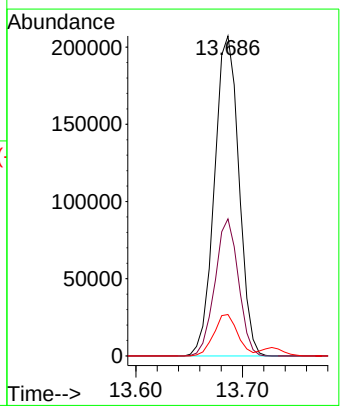
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

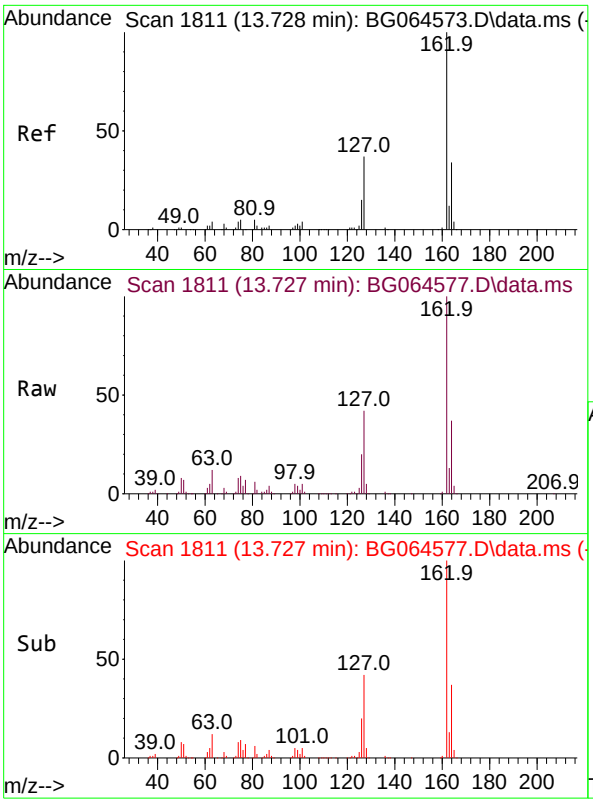


#46
1,1'-Biphenyl
Concen: 37.331 ng
RT: 13.686 min Scan# 1804
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 329629

Ion	Ratio	Lower	Upper
154	100		
153	42.8	22.4	62.4
76	12.9	0.0	33.5





#47
2-Chloronaphthalene
Concen: 36.205 ng
RT: 13.727 min Scan# 18
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

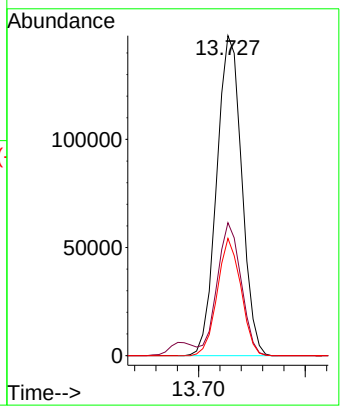
Tgt Ion:162 Resp: 241311

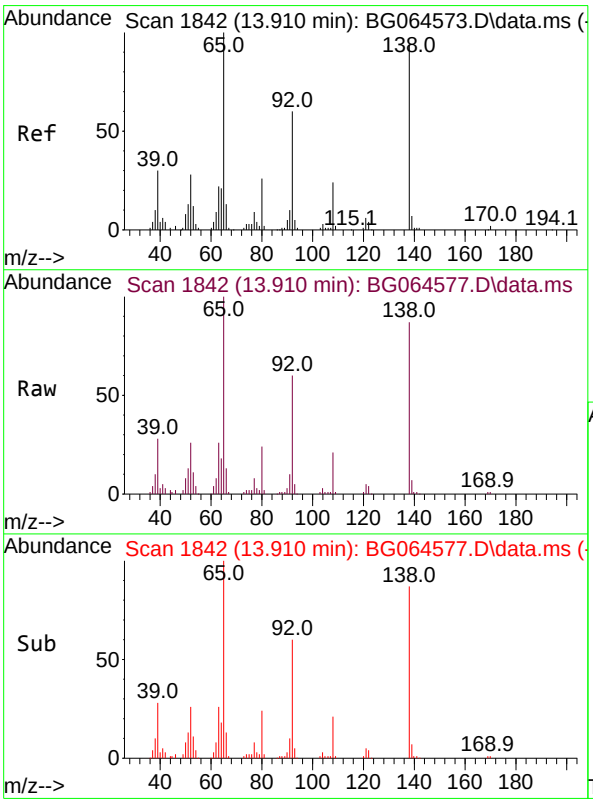
Ion	Ratio	Lower	Upper
162	100		
127	41.5	32.2	48.2
164	36.6	27.5	41.3

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

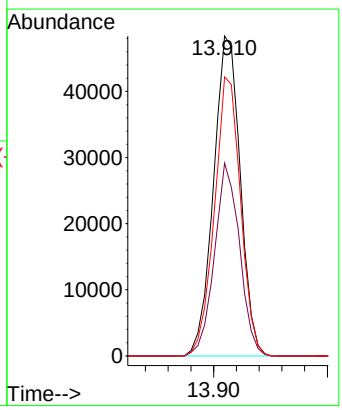


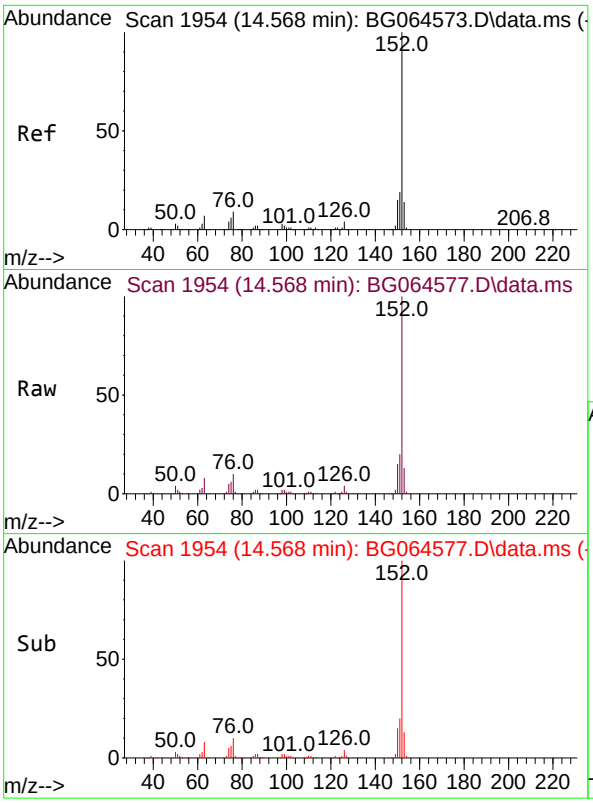


#48
2-Nitroaniline
Concen: 36.129 ng
RT: 13.910 min Scan# 1842
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 65 Resp: 78927

Ion	Ratio	Lower	Upper
65	100		
92	60.2	48.3	72.5
138	87.2	74.9	112.3

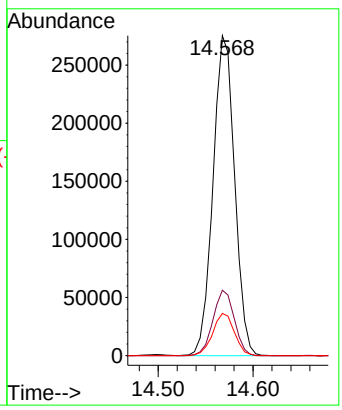




#49
Acenaphthylene
Concen: 41.457 ng
RT: 14.568 min Scan# 19
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:152 Resp: 43583

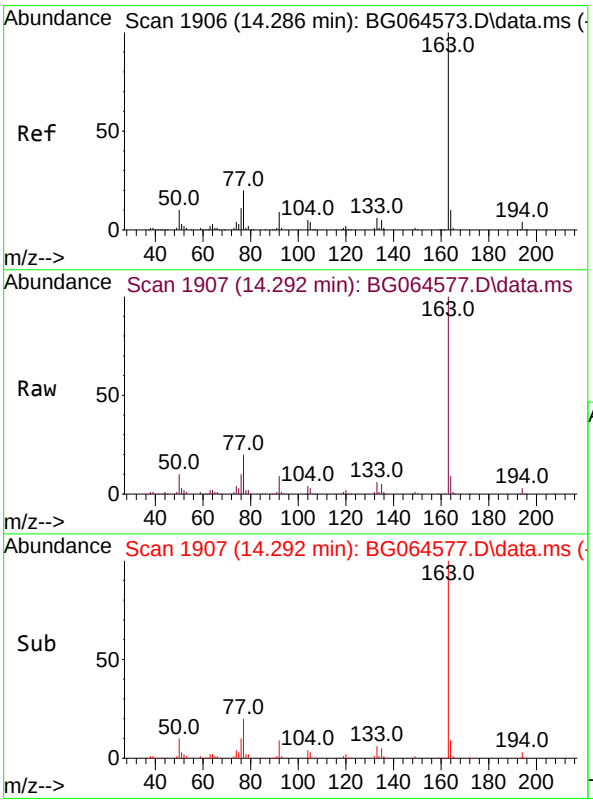
Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.2
153	13.2	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

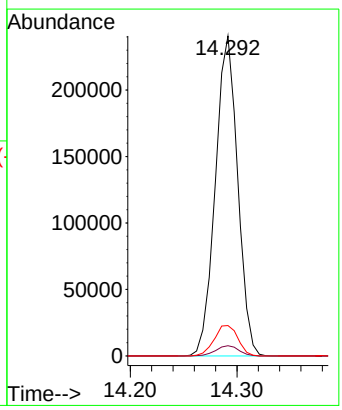
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

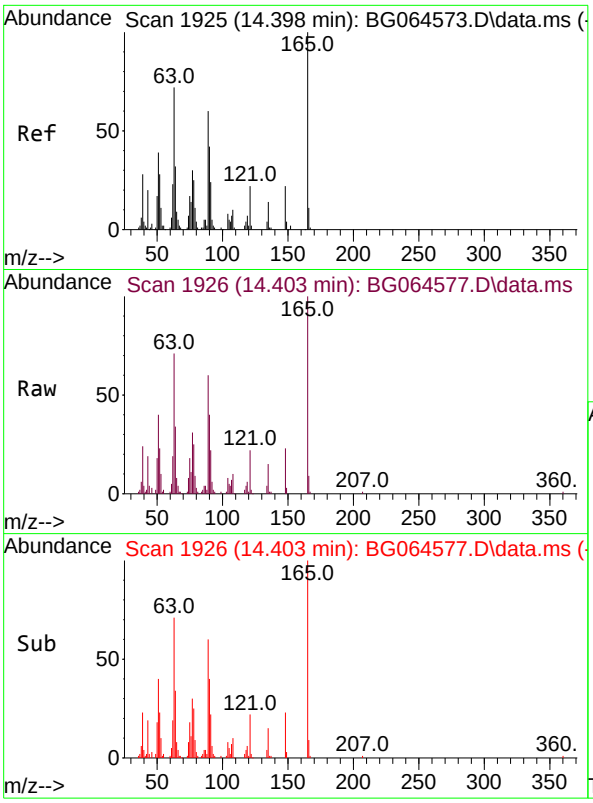


#50
Dimethylphthalate
Concen: 36.890 ng
RT: 14.292 min Scan# 1907
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:163 Resp: 350600

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.8	4.2
164	9.5	7.7	11.5

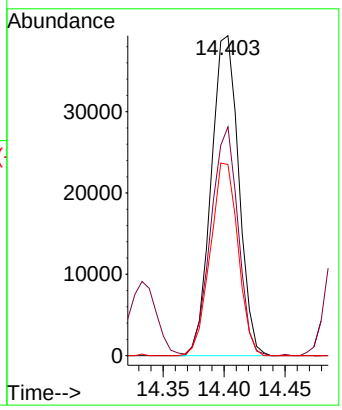




#51
2,6-Dinitrotoluene
Concen: 39.971 ng
RT: 14.403 min Scan# 19
Delta R.T. 0.001 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:165 Resp: 6178

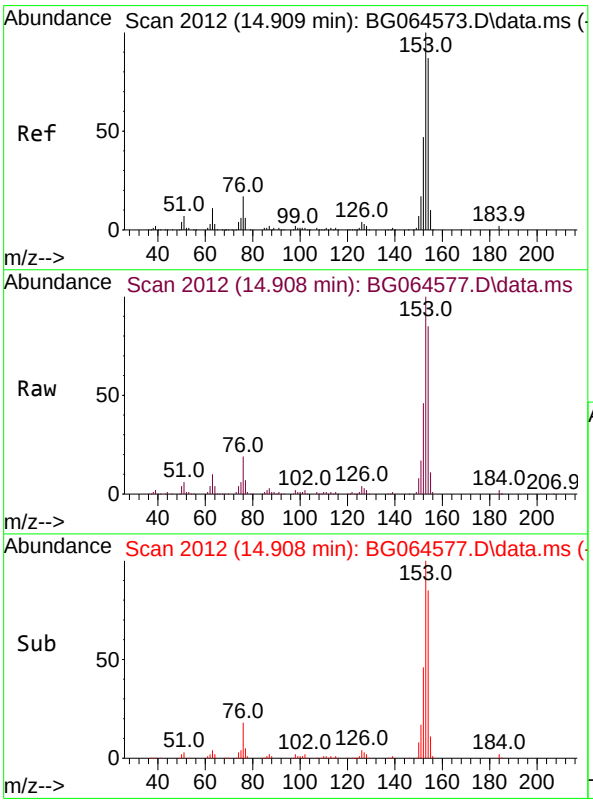
Ion	Ratio	Lower	Upper
165	100		
63	71.5	57.4	86.0
89	59.7	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

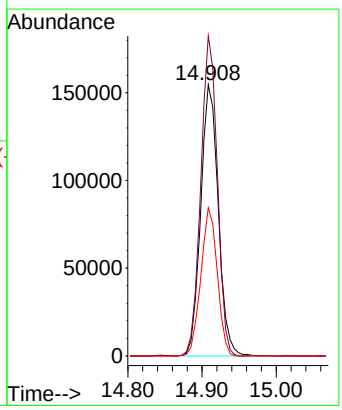
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

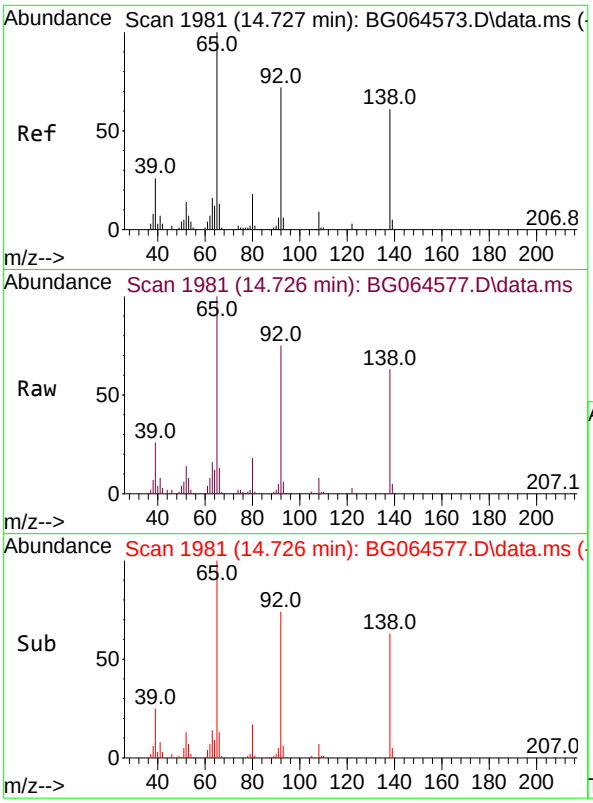


#52
Acenaphthene
Concen: 35.340 ng
RT: 14.908 min Scan# 2012
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:154 Resp: 253833

Ion	Ratio	Lower	Upper
154	100		
153	118.0	92.2	138.4
152	54.6	43.2	64.8

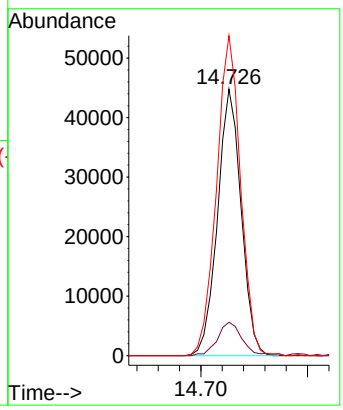




#53
3-Nitroaniline
Concen: 42.080 ng
RT: 14.726 min Scan# 19
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:138 Resp: 6872

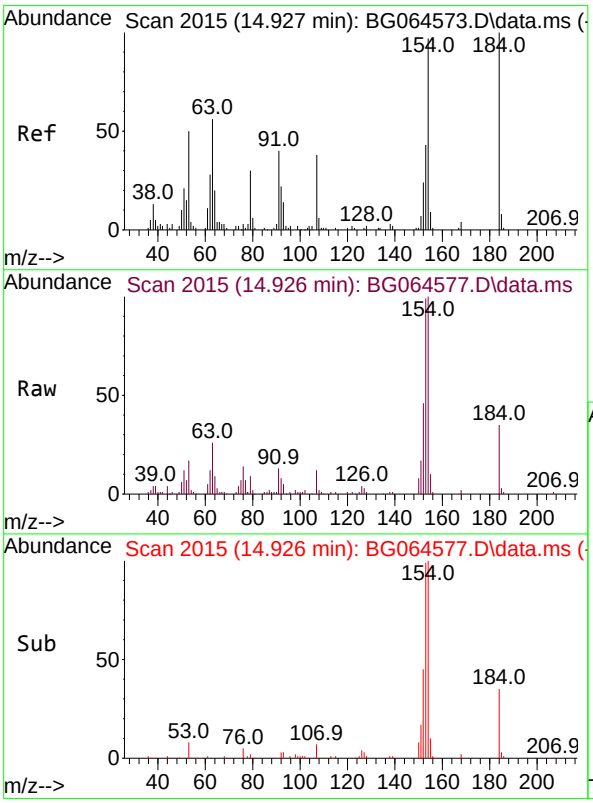
Ion	Ratio	Lower	Upper
138	100		
108	12.5	11.4	17.0
92	120.1	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

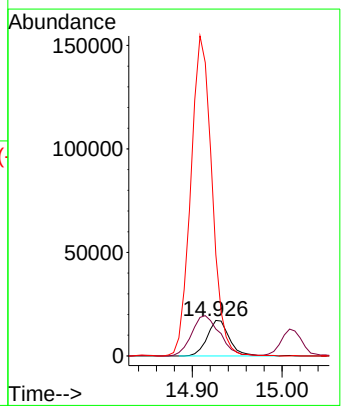
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

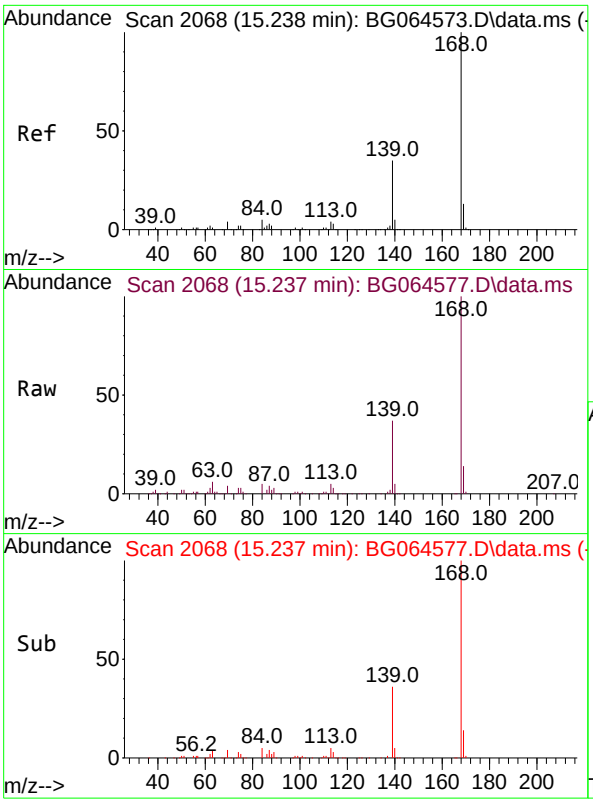


#54
2,4-Dinitrophenol
Concen: 33.991 ng
RT: 14.926 min Scan# 2015
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:184 Resp: 29394

Ion	Ratio	Lower	Upper
184	100		
63	75.8	56.6	85.0
154	285.9	158.6	238.0#

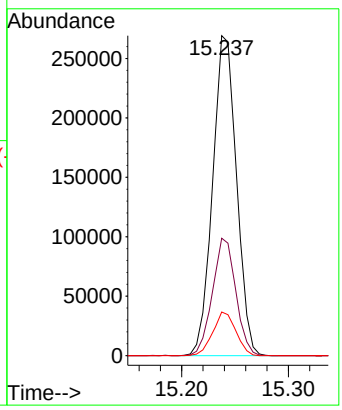




#55
Dibenzofuran
Concen: 36.096 ng
RT: 15.237 min Scan# 20
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:168 Resp: 41915

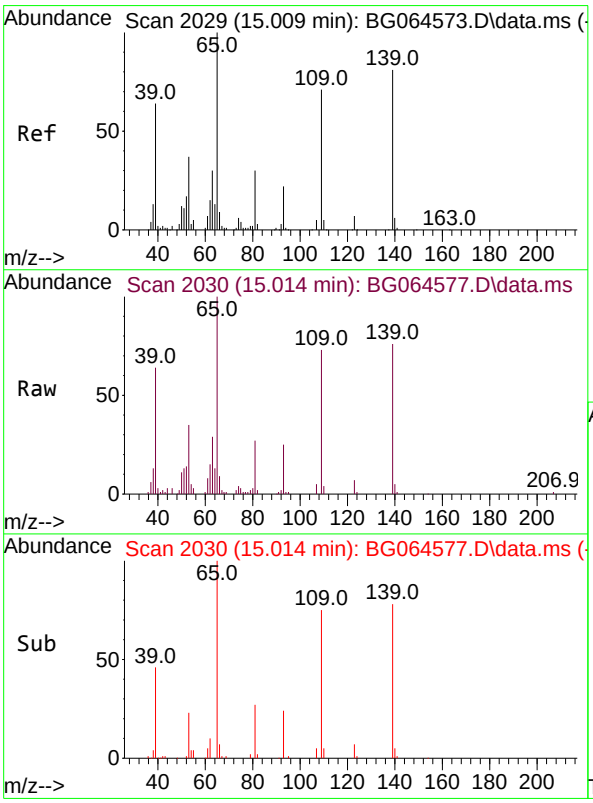
Ion	Ratio	Lower	Upper
168	100		
139	36.7	27.8	41.8
169	13.6	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

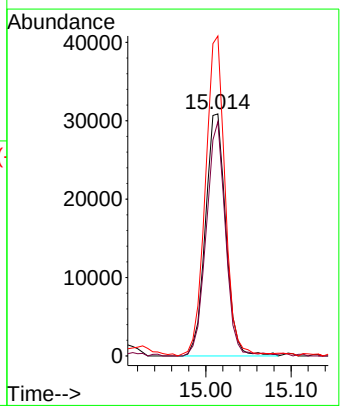
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

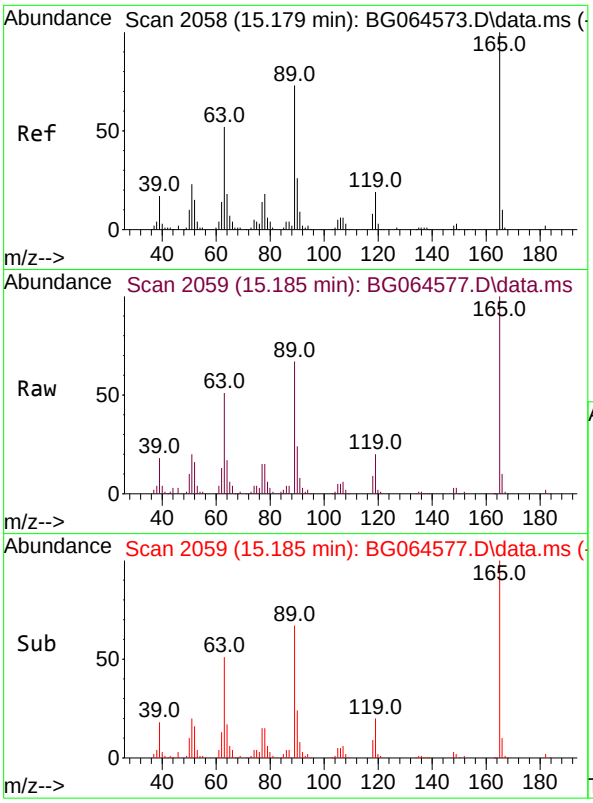


#56
4-Nitrophenol
Concen: 33.818 ng
RT: 15.014 min Scan# 2030
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:139 Resp: 51210

Ion	Ratio	Lower	Upper
139	100		
109	96.8	67.8	107.8
65	132.2	103.7	143.7

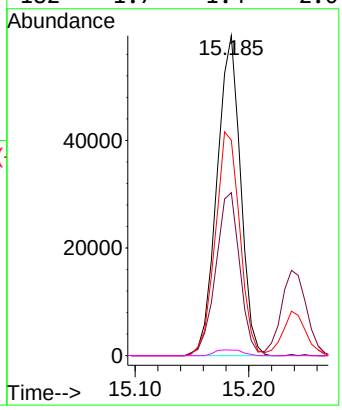




#57
2,4-Dinitrotoluene
Concen: 35.957 ng
RT: 15.185 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:165 Resp: 8520

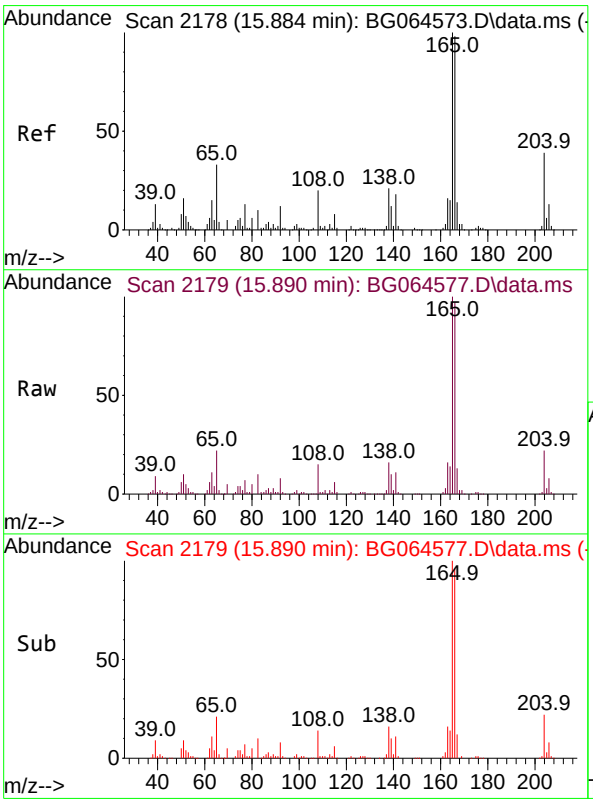
Ion	Ratio	Lower	Upper
165	100		
63	50.9	41.8	62.8
89	67.3	58.1	87.1
182	1.7	1.4	2.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

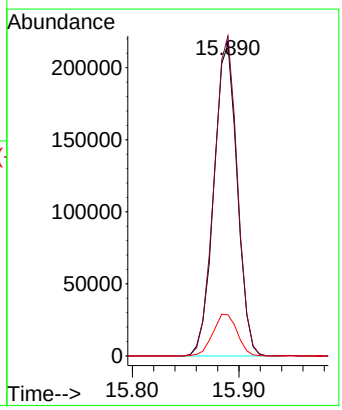
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

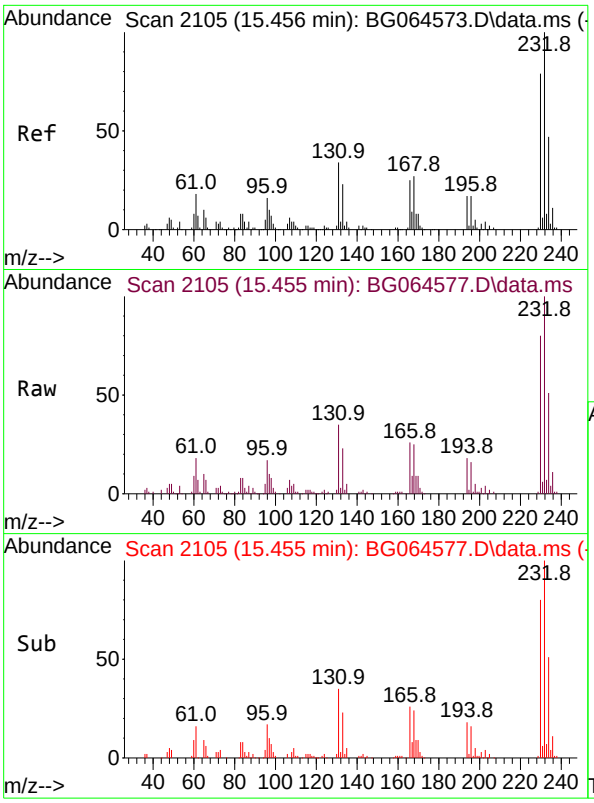


#58
Fluorene
Concen: 36.238 ng
RT: 15.890 min Scan# 2179
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:166 Resp: 328636

Ion	Ratio	Lower	Upper
166	100		
165	102.6	81.5	122.3
167	13.1	11.4	17.0

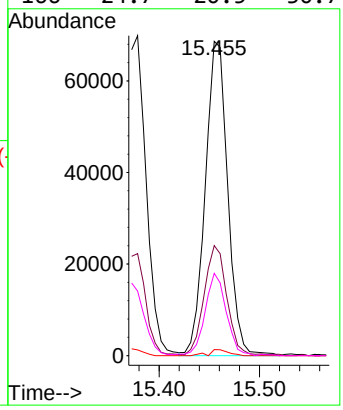




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.525 ng
RT: 15.455 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:232 Resp: 10662

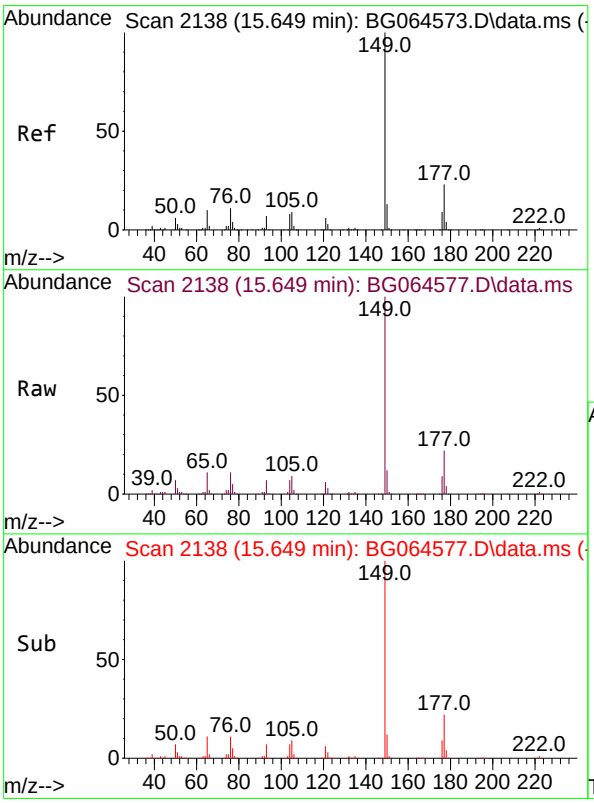
Ion	Ratio	Lower	Upper
232	100		
131	35.6	26.7	40.1
130	1.7	1.6	2.4
166	24.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

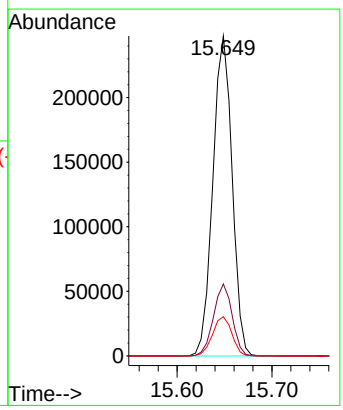
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

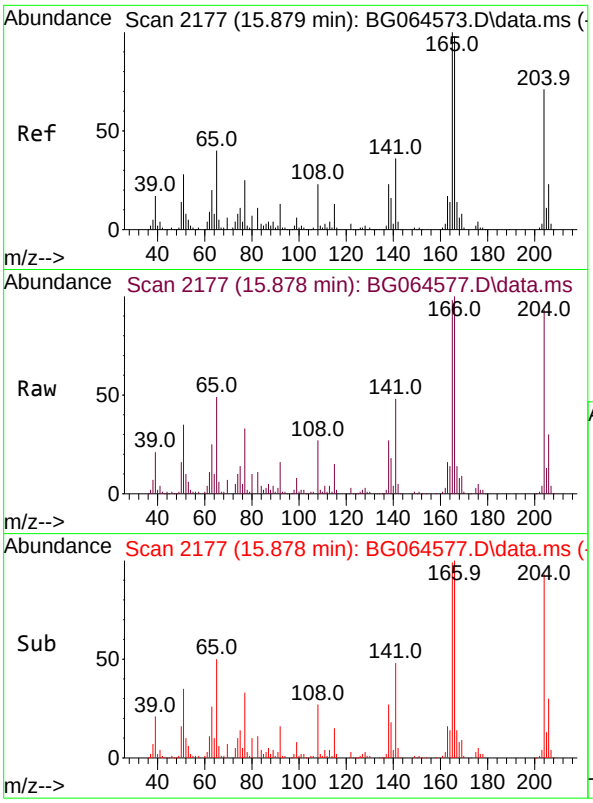


#60
Diethylphthalate
Concen: 35.961 ng
RT: 15.649 min Scan# 2138
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 348964

Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.0	27.0
150	12.2	10.2	15.4

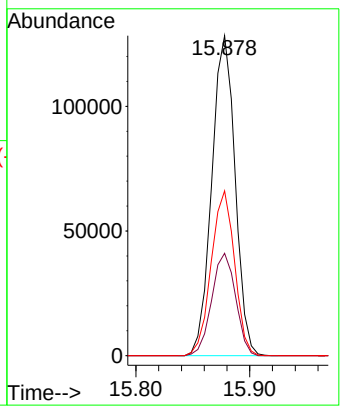




#61
4-Chlorophenyl-phenylether
Concen: 35.902 ng
RT: 15.878 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:204 Resp: 18271

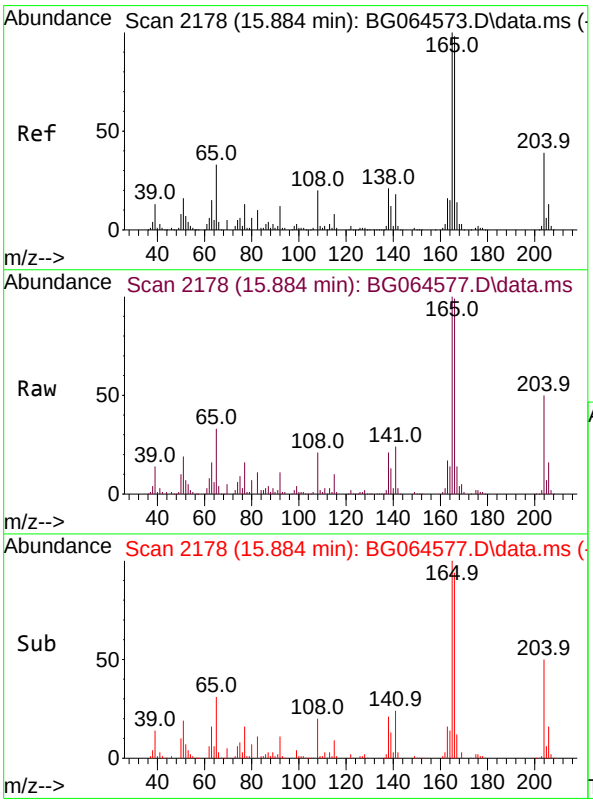
Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.6	38.4
141	51.5	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

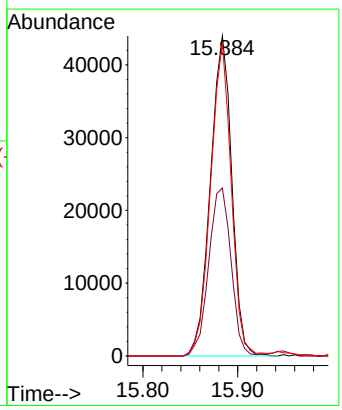
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

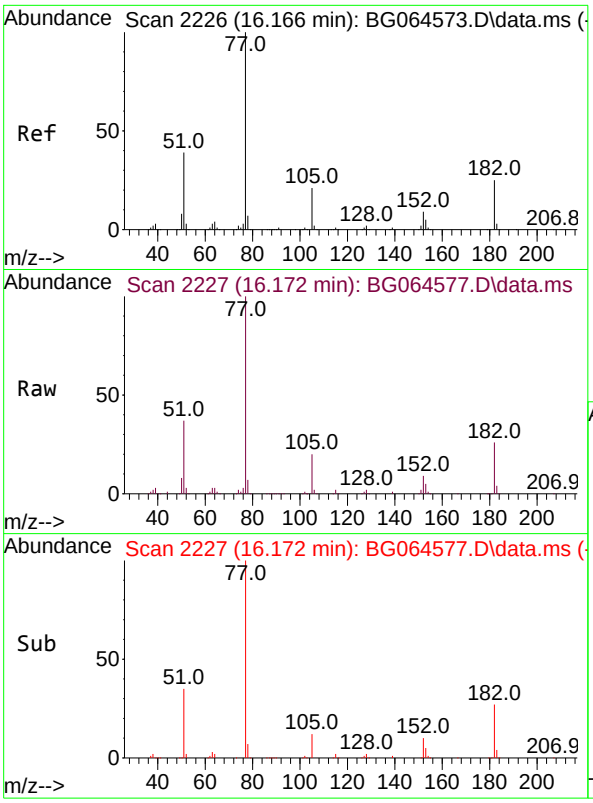


#62
4-Nitroaniline
Concen: 37.867 ng
RT: 15.884 min Scan# 2178
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:138 Resp: 68807

Ion	Ratio	Lower	Upper
138	100		
92	52.5	36.1	76.1
108	97.9	75.6	115.6

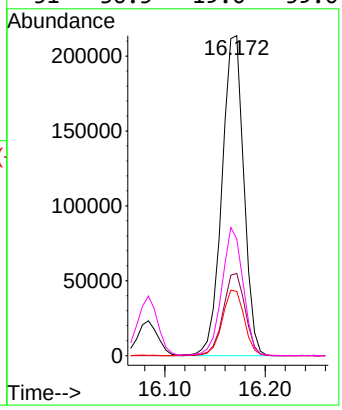




#63
Azobenzene
Concen: 36.325 ng
RT: 16.172 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion: 77 Resp: 32343

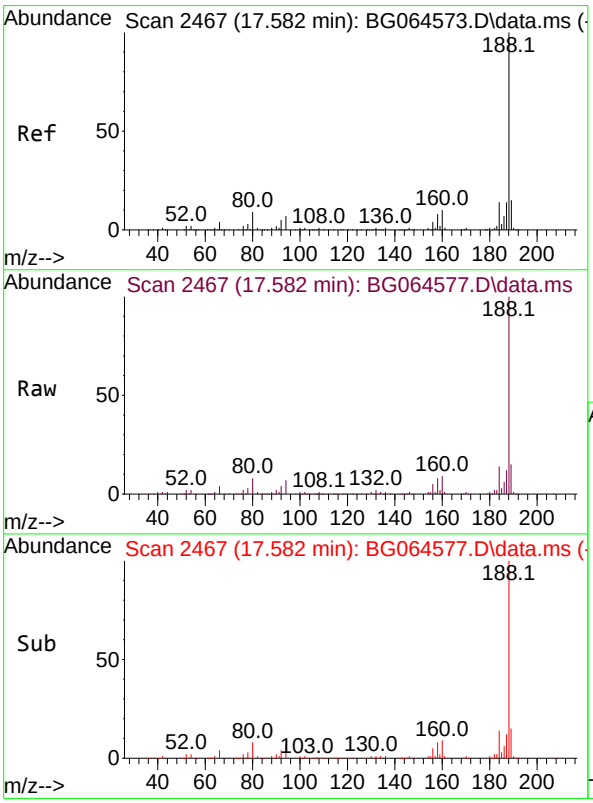
Ion	Ratio	Lower	Upper
77	100		
182	25.7	4.9	44.9
105	20.1	1.3	41.3
51	36.5	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

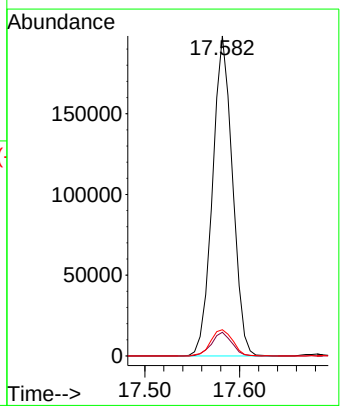
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

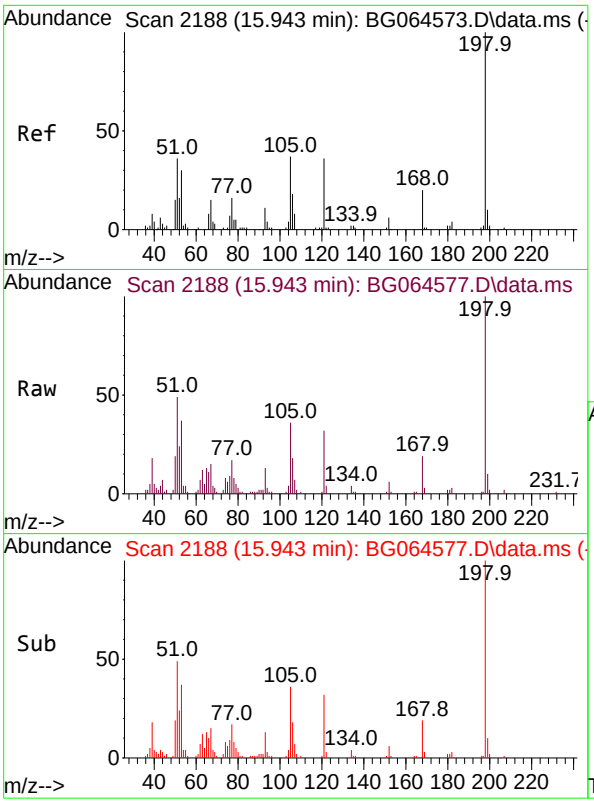


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.582 min Scan# 2467
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:188 Resp: 290051

Ion	Ratio	Lower	Upper
188	100		
94	7.4	5.7	8.5
80	8.2	6.8	10.2

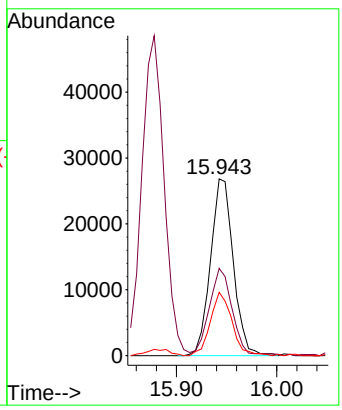




#65
4,6-Dinitro-2-methylphenol
Concen: 34.885 ng
RT: 15.943 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:198 Resp: 42391

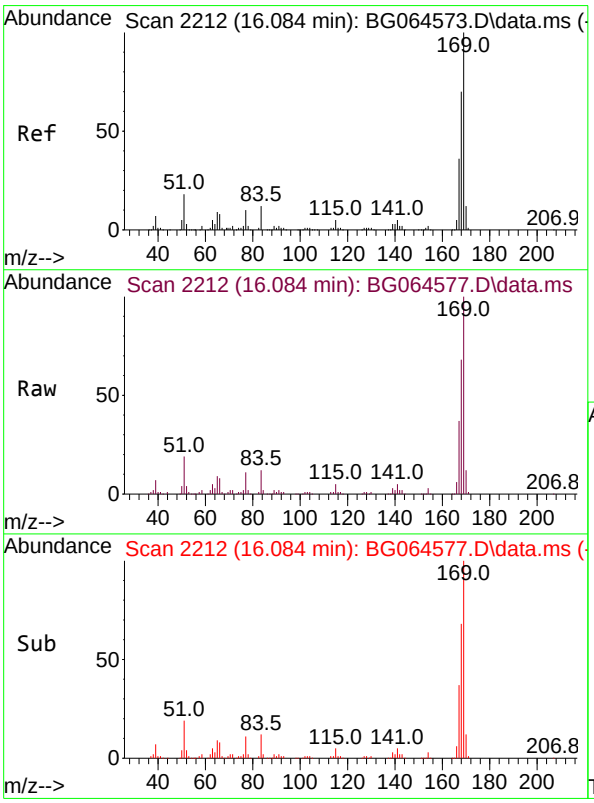
Ion	Ratio	Lower	Upper
198	100		
51	49.5	24.7	64.7
105	35.9	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

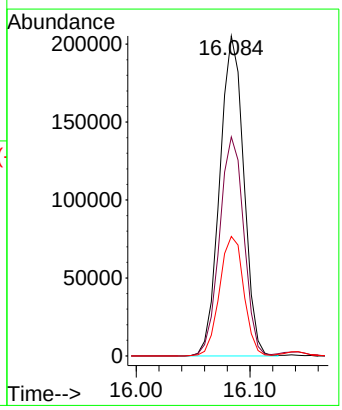
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

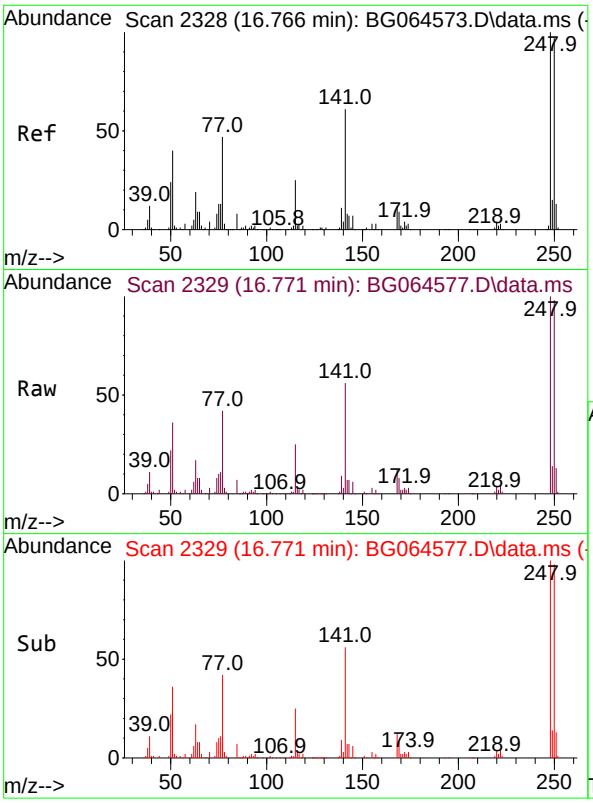


#66
n-Nitrosodiphenylamine
Concen: 38.325 ng
RT: 16.084 min Scan# 2212
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:169 Resp: 300274

Ion	Ratio	Lower	Upper
169	100		
168	68.4	56.3	84.5
167	37.3	29.0	43.6

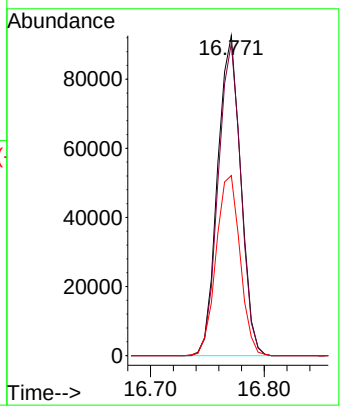




#67
4-Bromophenyl-phenylether
Concen: 38.044 ng
RT: 16.771 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:248 Resp: 13076

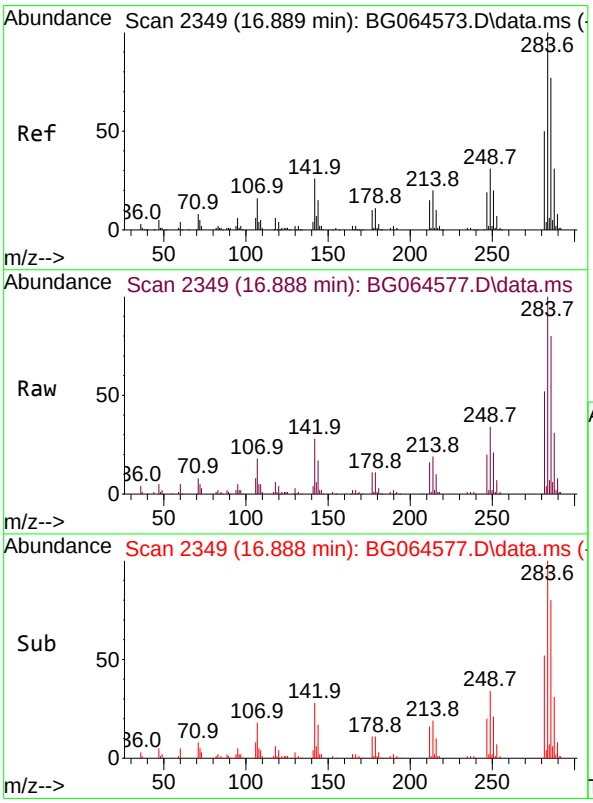
Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	56.3	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

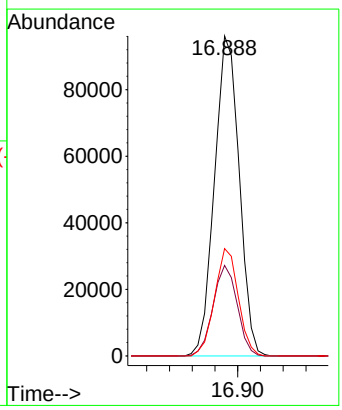
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

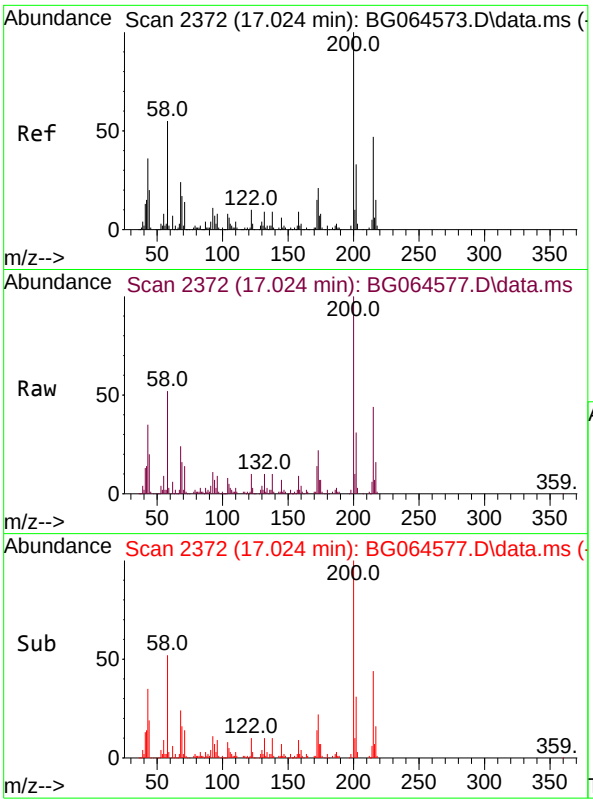


#68
Hexachlorobenzene
Concen: 36.971 ng
RT: 16.888 min Scan# 2349
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:284 Resp: 144974

Ion	Ratio	Lower	Upper
284	100		
142	28.3	21.0	31.6
249	33.5	24.9	37.3

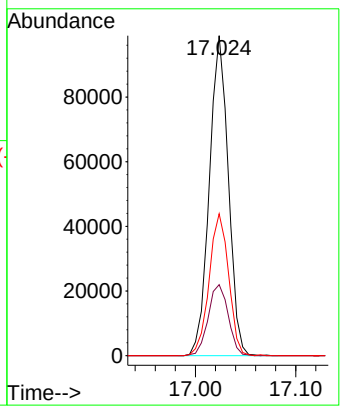




#69
Atrazine
Concen: 38.558 ng
RT: 17.024 min Scan# 2
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:200 Resp: 13000

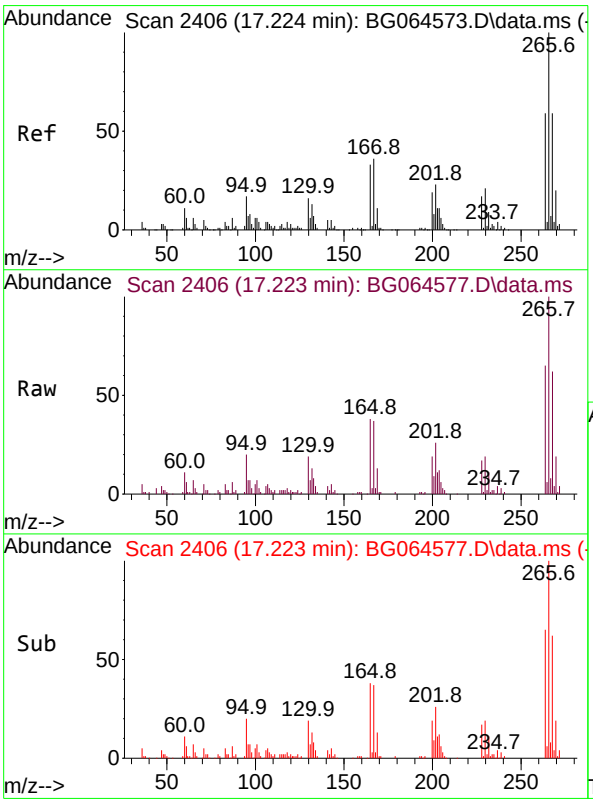
Ion	Ratio	Lower	Upper
200	100		
173	22.2	0.9	40.9
215	44.3	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

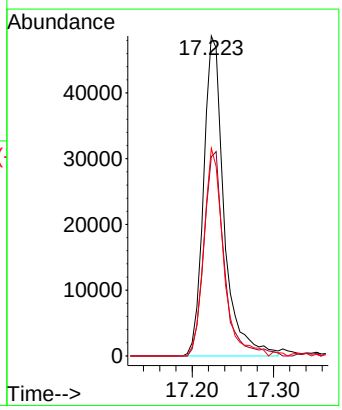
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

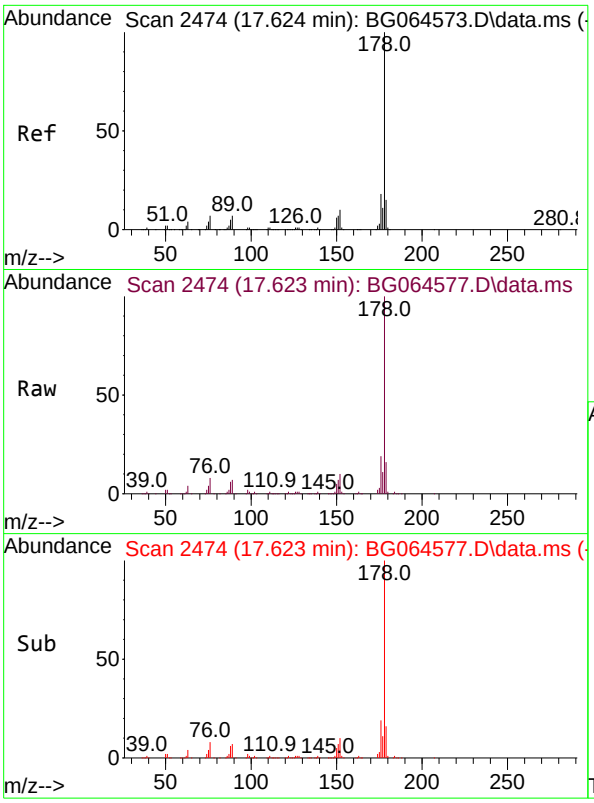


#70
Pentachlorophenol
Concen: 34.829 ng
RT: 17.223 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:266 Resp: 85166

Ion	Ratio	Lower	Upper
266	100		
268	66.7	50.3	75.5
264	70.5	47.3	70.9

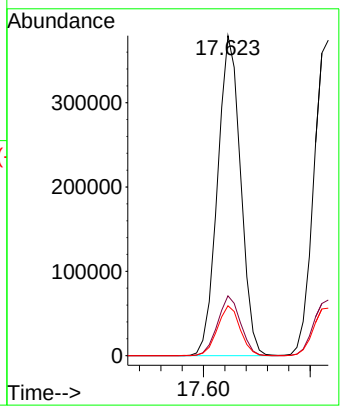




#71
Phenanthrene
Concen: 35.925 ng
RT: 17.623 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:178 Resp: 56982

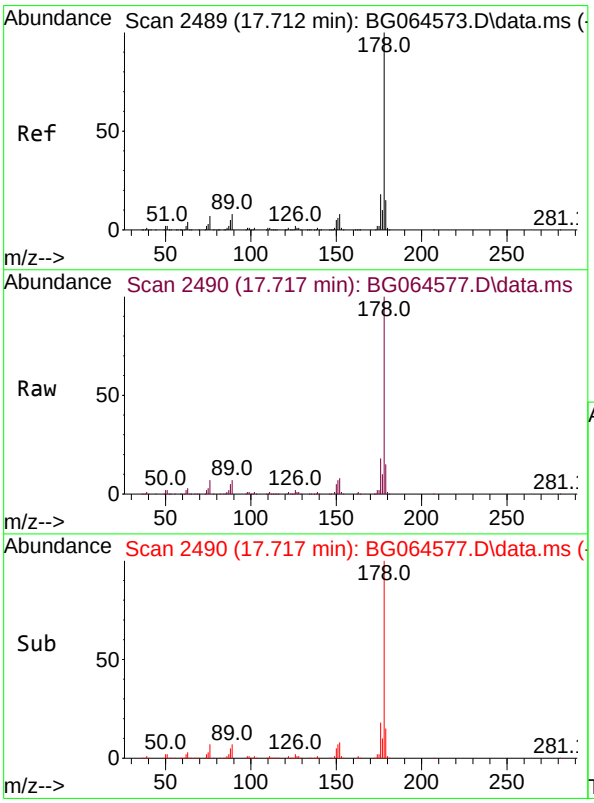
Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

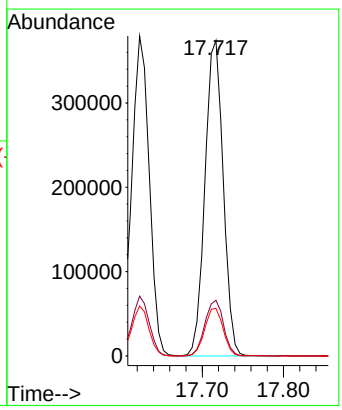
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

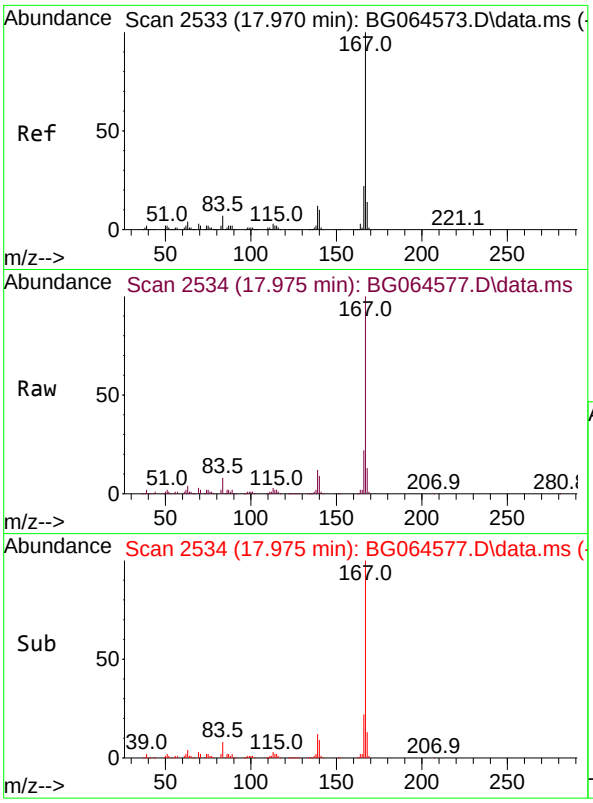


#72
Anthracene
Concen: 36.210 ng
RT: 17.717 min Scan# 2490
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:178 Resp: 584246

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.4	21.6
179	15.1	12.4	18.6

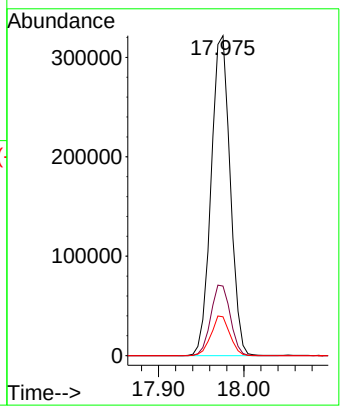




#73
Carbazole
Concen: 35.061 ng
RT: 17.975 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:167 Resp: 498849

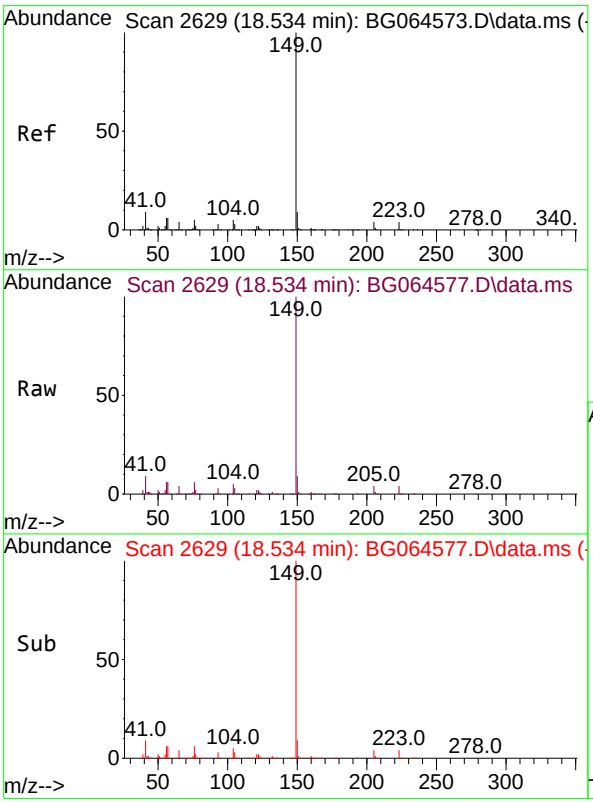
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.9	26.9
139	12.1	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

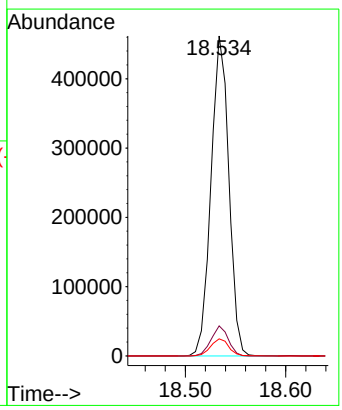
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

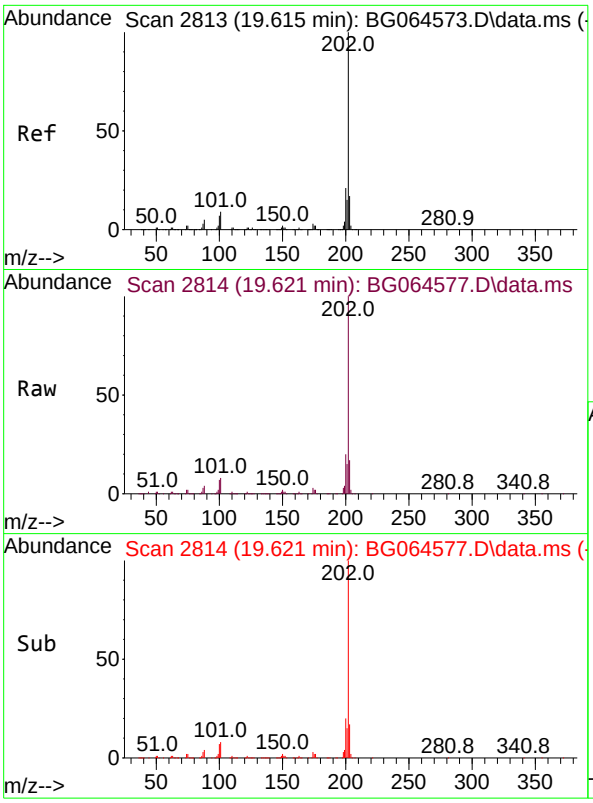


#74
Di-n-butylphthalate
Concen: 34.688 ng
RT: 18.534 min Scan# 2629
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 570718

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	5.3	4.1	6.1

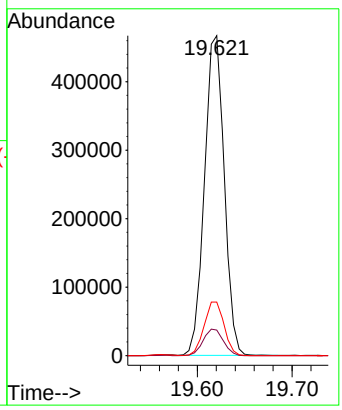




#75
Fluoranthene
Concen: 34.070 ng
RT: 19.621 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:202 Resp: 67699

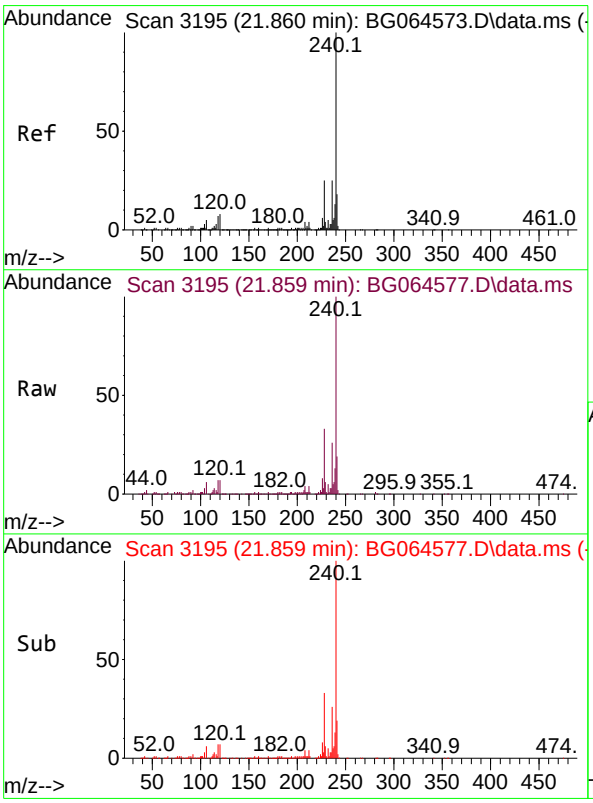
Ion	Ratio	Lower	Upper
202	100		
101	8.0	0.0	28.7
203	16.7	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

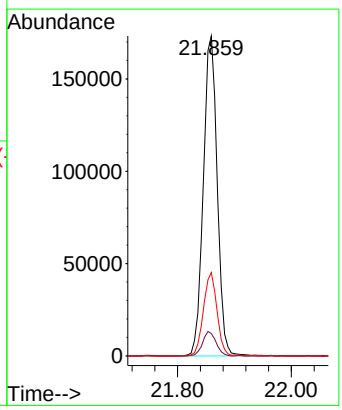
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

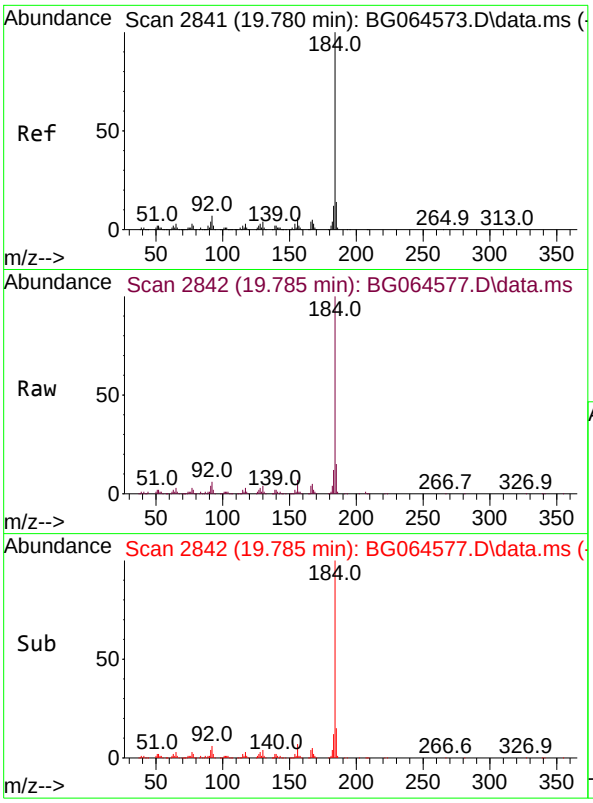


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.859 min Scan# 3195
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:240 Resp: 293608

Ion	Ratio	Lower	Upper
240	100		
120	7.0	6.5	9.7
236	26.0	20.2	30.2

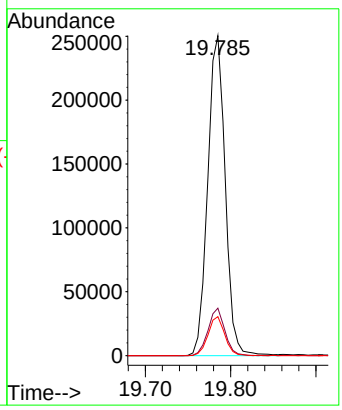




#77
Benzidine
Concen: 54.203 ng
RT: 19.785 min Scan# 2
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:184 Resp: 35654

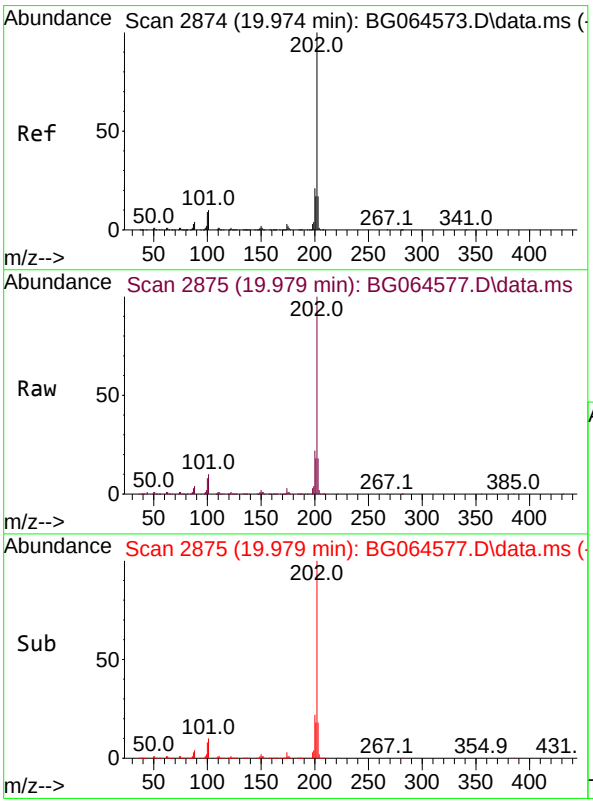
Ion	Ratio	Lower	Upper
184	100		
185	14.8	11.4	17.2
183	12.2	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

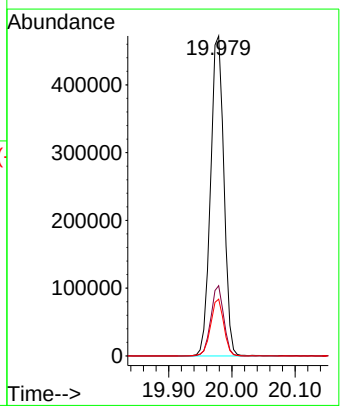
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

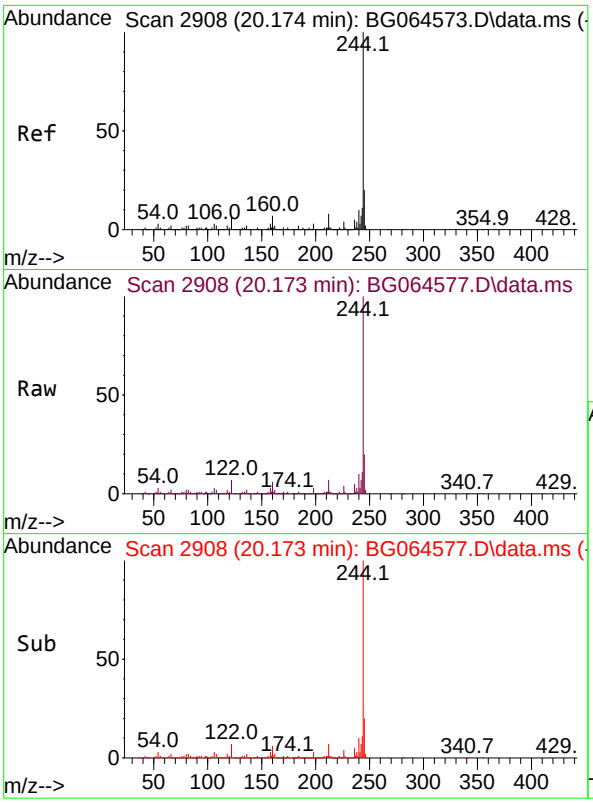


#78
Pyrene
Concen: 36.130 ng
RT: 19.979 min Scan# 2875
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:202 Resp: 693068

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.0	25.4
203	17.7	13.8	20.6

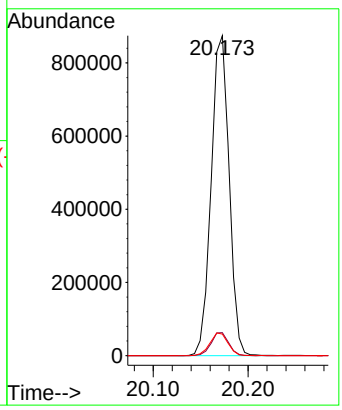




#79
Terphenyl-d14
Concen: 74.019 ng
RT: 20.173 min Scan# 29
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:244 Resp: 115159

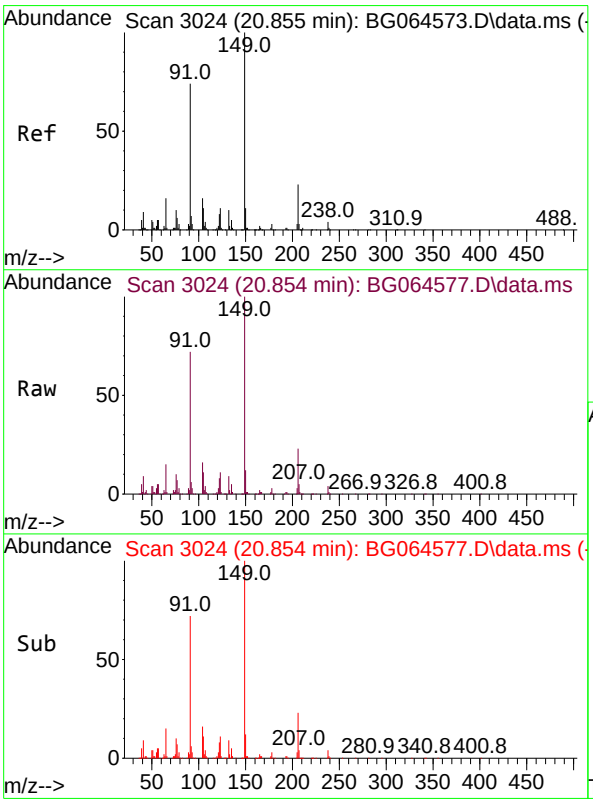
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	6.7	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

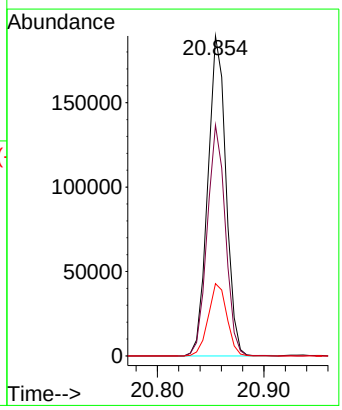
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

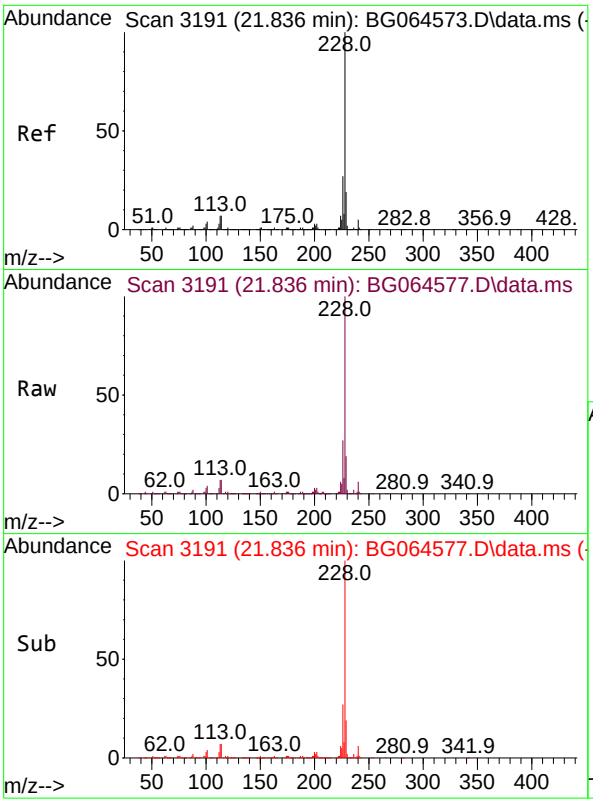


#80
Butylbenzylphthalate
Concen: 38.702 ng
RT: 20.854 min Scan# 3024
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 224386

Ion	Ratio	Lower	Upper
149	100		
91	72.1	59.2	88.8
206	22.6	18.1	27.1

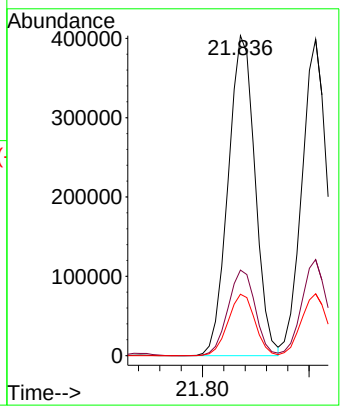




#81
Benzo(a)anthracene
Concen: 36.287 ng
RT: 21.836 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:228 Resp: 70642

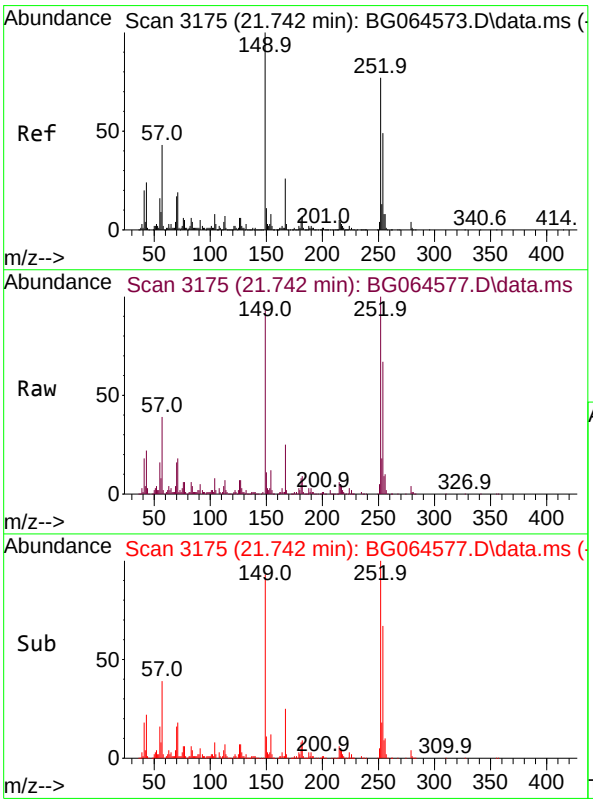
Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.9	32.9
229	19.2	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

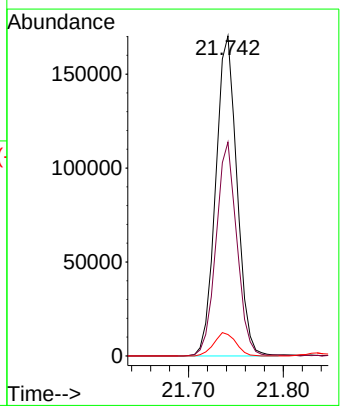
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

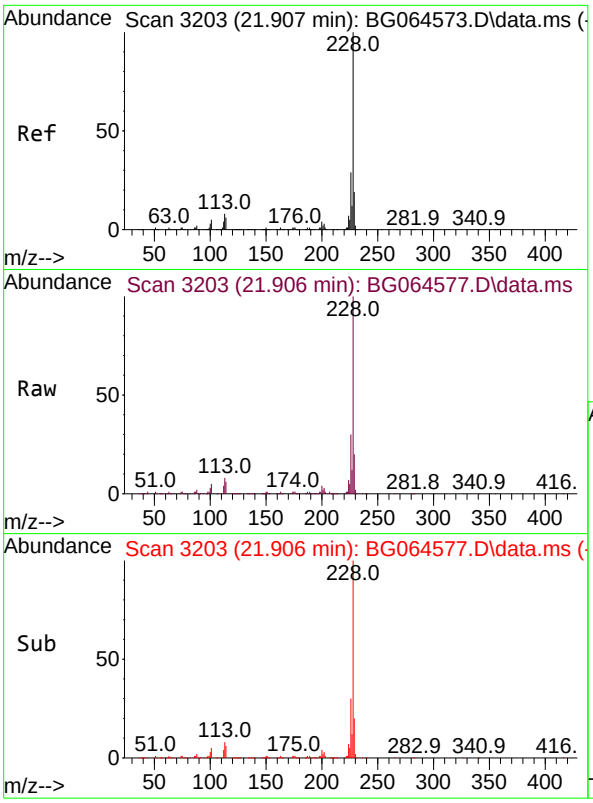


#82
3,3'-Dichlorobenzidine
Concen: 40.813 ng
RT: 21.742 min Scan# 3175
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 265324

Ion	Ratio	Lower	Upper
252	100		
254	66.8	50.8	76.2
126	6.7	5.8	8.6

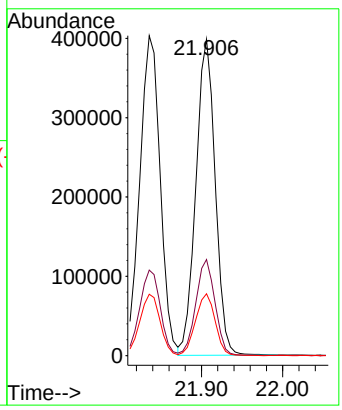




#83
Chrysene
Concen: 35.533 ng
RT: 21.906 min Scan# 3
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:228 Resp: 65821

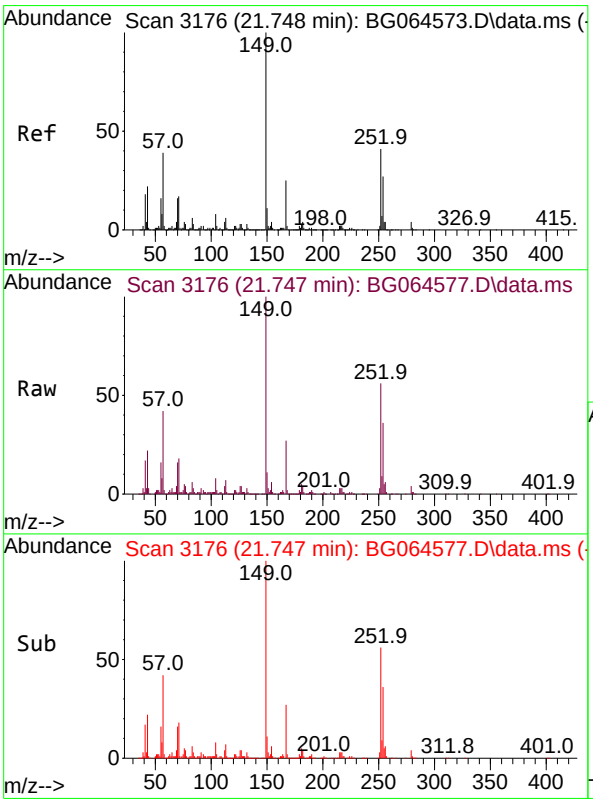
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.3	34.9
229	19.5	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

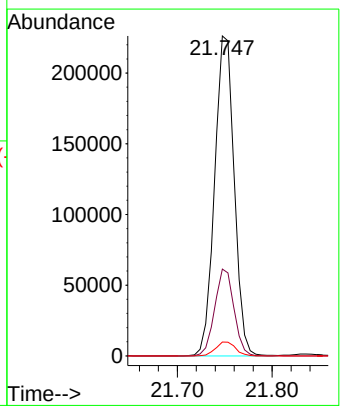
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

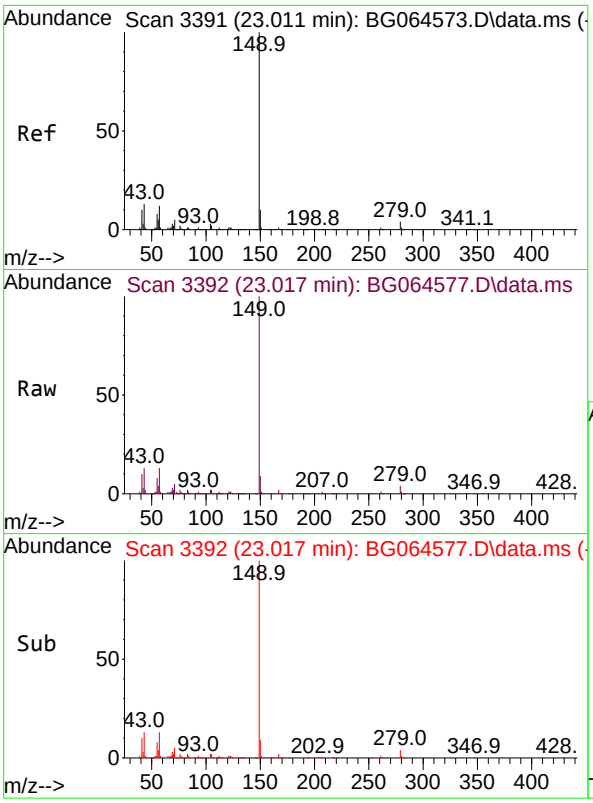


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.470 ng
RT: 21.747 min Scan# 3176
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 324614

Ion	Ratio	Lower	Upper
149	100		
167	27.1	20.0	30.0
279	4.3	3.1	4.7

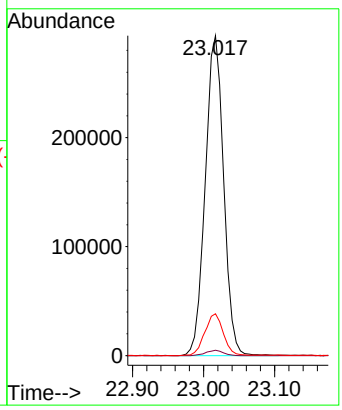




#85
Di-n-octyl phthalate
Concen: 36.087 ng
RT: 23.017 min Scan# 3
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:149 Resp: 52709

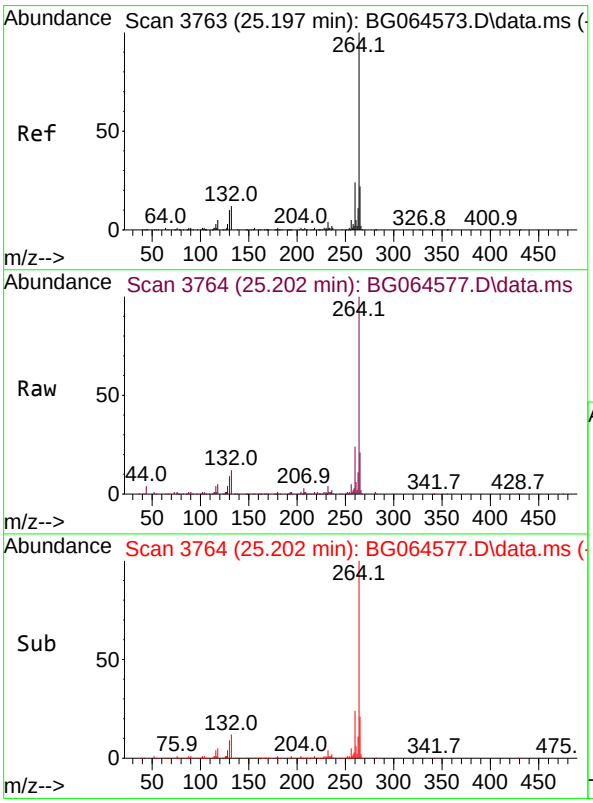
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	13.3	10.8	16.2



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations APPROVED

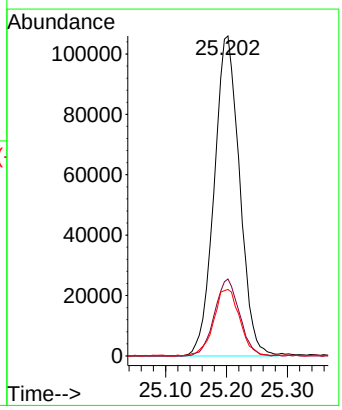
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

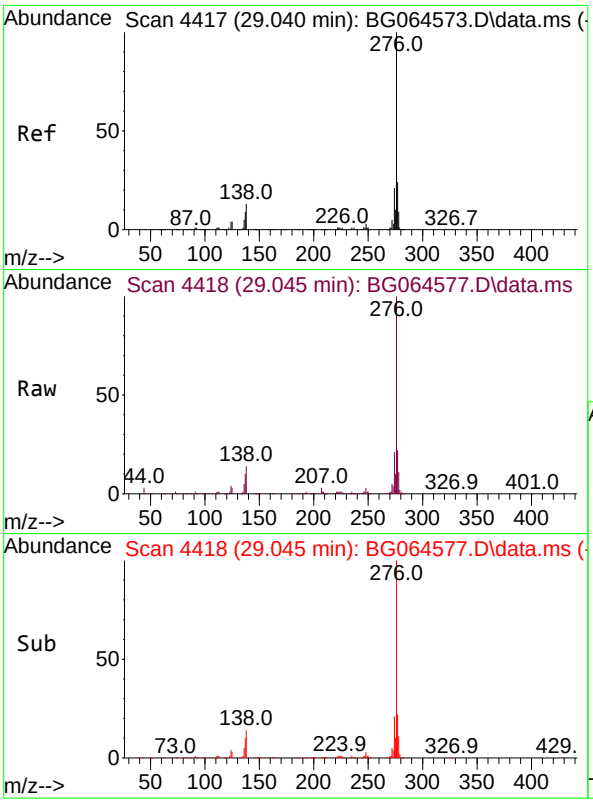


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.202 min Scan# 3764
Delta R.T. 0.002 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:264 Resp: 306886

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.0	28.4
265	20.8	17.6	26.4

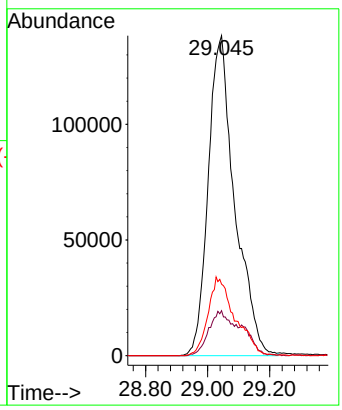




#87
Indeno(1,2,3-cd)pyrene
Concen: 36.366 ng
RT: 29.045 min Scan# 44
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 82097

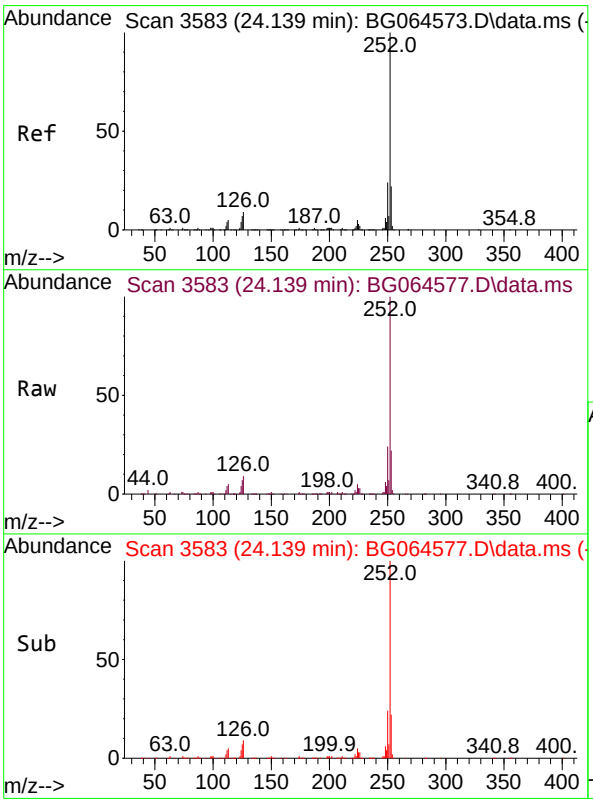
Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

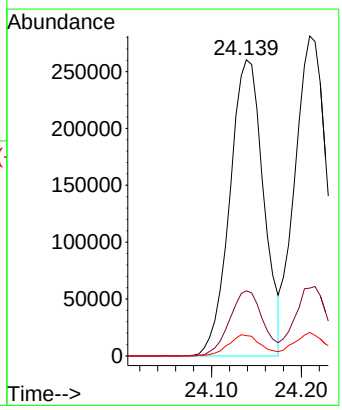
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

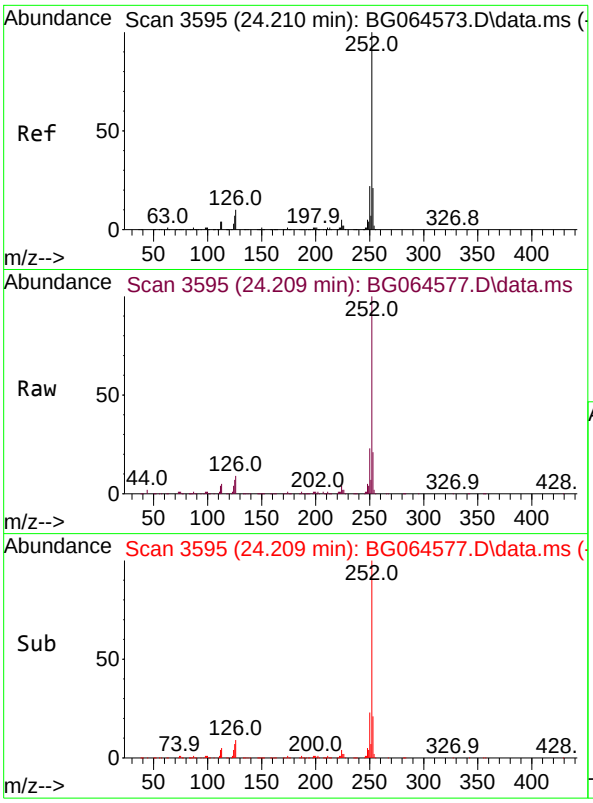


#88
Benzo(b)fluoranthene
Concen: 36.235 ng
RT: 24.139 min Scan# 3583
Delta R.T. -0.004 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 681881

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	6.8	5.6	8.4

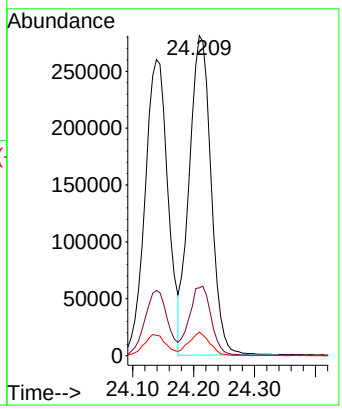




#89
Benzo(k)fluoranthene
Concen: 37.252 ng
RT: 24.209 min Scan# 3
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 70150

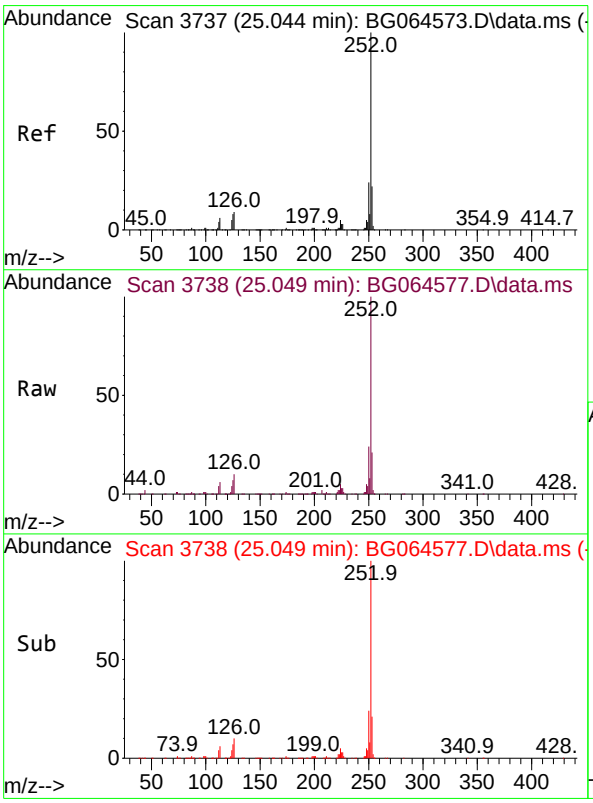
Ion	Ratio	Lower	Upper
252	100		
253	21.2	16.8	25.2
125	7.3	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

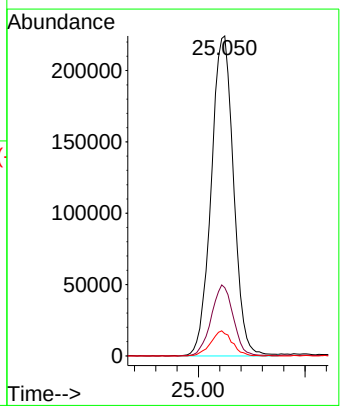
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025

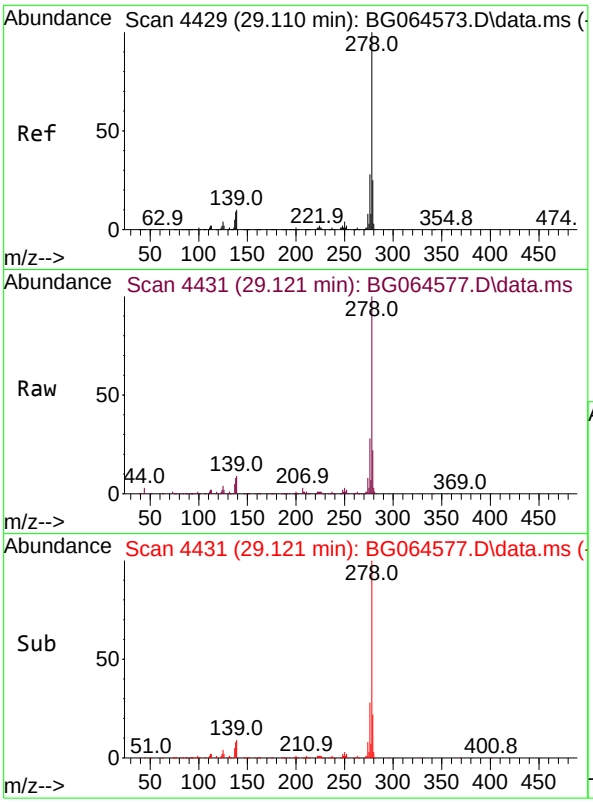


#90
Benzo(a)pyrene
Concen: 37.700 ng
RT: 25.049 min Scan# 3738
Delta R.T. -0.010 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:252 Resp: 652126

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	6.9	6.1	9.1

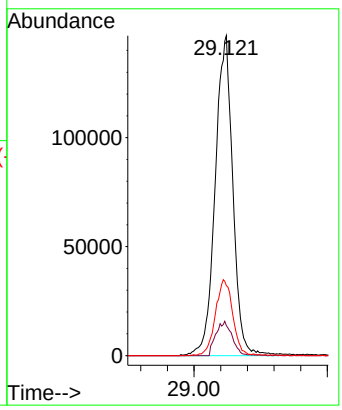




#91
Dibenzo(a,h)anthracene
Concen: 36.776 ng
RT: 29.121 min Scan# 44
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:278 Resp: 67451

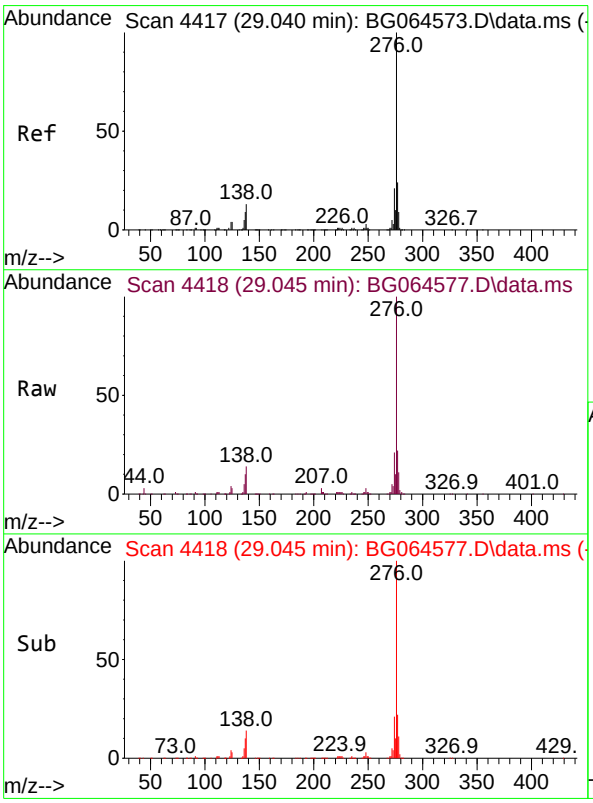
Ion	Ratio	Lower	Upper
278	100		
139	9.4	8.0	12.0
279	21.9	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Manual Integrations
APPROVED

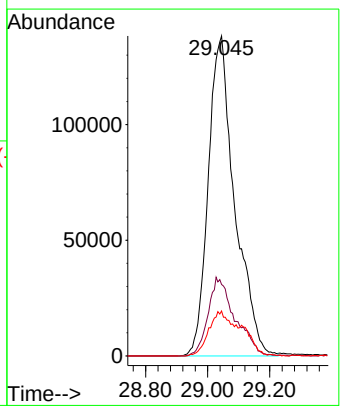
Reviewed By :Rahul Chavli 10/27/2025
Supervised By :Jagrut Upadhyay 10/27/2025



#92
Benzo(g,h,i)perylene
Concen: 36.366 ng
RT: 29.045 min Scan# 4418
Delta R.T. -0.016 min
Lab File: BG064577.D
Acq: 24 Oct 2025 16:47

Tgt Ion:276 Resp: 820974

Ion	Ratio	Lower	Upper
276	100		
277	22.3	19.2	28.8
138	14.0	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	93	0.00
2		1,4-Dioxane	40.000	33.820	15.4	79	0.00
3		Pyridine	40.000	33.313	16.7	73	0.00
4		n-Nitrosodimethylamine	40.000	36.025	9.9	79	-0.01
5	S	2-Fluorophenol	80.000	70.535	11.8	75	0.00
6		Aniline	40.000	38.118	4.7	82	0.00
7	S	Phenol-d6	80.000	74.109	7.4	79	0.00
8		2-Chlorophenol	40.000	36.981	7.5	78	0.00
9		Benzaldehyde	40.000	50.923	-27.3#	112	0.00
10	C	Phenol	40.000	36.410	9.0	78	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.118	4.7	82	0.00
12		1,3-Dichlorobenzene	40.000	36.085	9.8	79	0.00
13	C	1,4-Dichlorobenzene	40.000	37.635	5.9	83	0.00
14		1,2-Dichlorobenzene	40.000	36.924	7.7	81	0.00
15		Benzyl Alcohol	40.000	37.995	5.0	83	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	36.163	9.6	78	0.00
17		2-Methylphenol	40.000	38.945	2.6	81	0.00
18		Hexachloroethane	40.000	35.743	10.6	78	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.572	1.1	84	0.00
20		3+4-Methylphenols	40.000	37.882	5.3	81	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	95	0.00
22		Acetophenone	40.000	37.806	5.5	84	0.00
23	S	Nitrobenzene-d5	80.000	76.738	4.1	81	0.00
24		Nitrobenzene	40.000	39.305	1.7	83	0.00
25		Isophorone	40.000	37.733	5.7	83	-0.01
26	C	2-Nitrophenol	40.000	35.498	11.3	84	0.00
27		2,4-Dimethylphenol	40.000	41.336	-3.3	89	0.00
28		bis(2-Chloroethoxy)methane	40.000	36.953	7.6	82	0.00
29	C	2,4-Dichlorophenol	40.000	38.190	4.5	81	0.00
30		1,2,4-Trichlorobenzene	40.000	37.945	5.1	84	0.00
31		Naphthalene	40.000	35.709	10.7	80	0.00
32		Benzoic acid	40.000	37.924	5.2	93	-0.05
33		4-Chloroaniline	40.000	41.287	-3.2	92	0.00
34	C	Hexachlorobutadiene	40.000	35.242	11.9	80	0.00
35		Caprolactam	40.000	36.326	9.2	79	-0.03
36	C	4-Chloro-3-methylphenol	40.000	38.049	4.9	82	0.00
37		2-Methylnaphthalene	40.000	33.388	16.5	75	0.00
38		1-Methylnaphthalene	40.000	35.729	10.7	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.146	7.1	84	0.00
41	P	Hexachlorocyclopentadiene	40.000	50.669	-26.7#	112	0.00
42	S	2,4,6-Tribromophenol	80.000	75.074	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.726	3.2	84	0.00
44		2,4,5-Trichlorophenol	40.000	37.228	6.9	81	0.00
45	S	2-Fluorobiphenyl	80.000	72.599	9.3	82	0.00
46		1,1'-Biphenyl	40.000	37.331	6.7	85	0.00
47		2-Chloronaphthalene	40.000	36.205	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	36.129	9.7	87	0.00
49		Acenaphthylene	40.000	41.457	-3.6	93	0.00
50		Dimethylphthalate	40.000	36.890	7.8	82	0.00
51		2,6-Dinitrotoluene	40.000	39.971	0.1	96	0.00
52	C	Acenaphthene	40.000	35.340	11.6	80	0.00
53		3-Nitroaniline	40.000	42.080	-5.2	89	0.00
54	P	2,4-Dinitrophenol	40.000	33.991	15.0	82	0.00
55		Dibenzofuran	40.000	36.096	9.8	82	0.00
56	P	4-Nitrophenol	40.000	33.818	15.5	75	0.00
57		2,4-Dinitrotoluene	40.000	35.957	10.1	85	0.00
58		Fluorene	40.000	36.238	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.525	-1.3	88	0.00
60		Diethylphthalate	40.000	35.961	10.1	81	0.00
61		4-Chlorophenyl-phenylether	40.000	35.902	10.2	81	0.00
62		4-Nitroaniline	40.000	37.867	5.3	81	-0.01
63		Azobenzene	40.000	36.325	9.2	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	40.000	34.885	12.8	82	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.325	4.2	82	0.00
67		4-Bromophenyl-phenylether	40.000	38.044	4.9	81	0.00
68		Hexachlorobenzene	40.000	36.971	7.6	79	0.00
69		Atrazine	40.000	38.558	3.6	85	0.00
70	C	Pentachlorophenol	40.000	34.829	12.9	76	0.00
71		Phenanthrene	40.000	35.925	10.2	78	0.00
72		Anthracene	40.000	36.210	9.5	79	0.00
73		Carbazole	40.000	35.061	12.3	77	0.00
74		Di-n-butylphthalate	40.000	34.688	13.3	73	0.00
75	C	Fluoranthene	40.000	34.070	14.8	75	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	88	0.00
77		Benzidine	40.000	54.203	-35.5#	109	0.00
78		Pyrene	40.000	36.130	9.7	74	0.00
79	S	Terphenyl-d14	80.000	74.019	7.5	76	0.00
80		Butylbenzylphthalate	40.000	38.702	3.2	75	0.00
81		Benzo(a)anthracene	40.000	36.287	9.3	75	0.00
82		3,3'-Dichlorobenzidine	40.000	40.813	-2.0	83	0.00
83		Chrysene	40.000	35.533	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	37.470	6.3	73	0.00
85	c	Di-n-octyl phthalate	40.000	36.087	9.8	73	0.00
86	I	Perylene-d12	20.000	20.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	36.366	9.1	75	-0.02
88		Benzo(b)fluoranthene	40.000	36.235	9.4	74	0.00
89		Benzo(k)fluoranthene	40.000	37.252	6.9	78	-0.01
90	C	Benzo(a)pyrene	40.000	37.700	5.7	77	-0.01
91		Dibenzo(a,h)anthracene	40.000	36.776	8.1	76	-0.02
92		Benzo(g,h,i)perylene	40.000	36.366	9.1	75	-0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	93	0.00
2		1,4-Dioxane	0.528	0.446	15.5	79	0.00
3		Pyridine	1.584	1.319	16.7	73	0.00
4		n-Nitrosodimethylamine	0.850	0.765	10.0	79	-0.01
5	S	2-Fluorophenol	1.192	1.051	11.8	75	0.00
6		Aniline	2.225	2.120	4.7	82	0.00
7	S	Phenol-d6	1.635	1.515	7.3	79	0.00
8		2-Chlorophenol	1.247	1.153	7.5	78	0.00
9		Benzaldehyde	0.893	1.136	-27.2#	112	0.00
10	C	Phenol	1.808	1.646	9.0	78	-0.01
11		bis(2-Chloroethyl)ether	2.225	2.120	4.7	82	0.00
12		1,3-Dichlorobenzene	1.435	1.295	9.8	79	0.00
13	C	1,4-Dichlorobenzene	1.460	1.373	6.0	83	0.00
14		1,2-Dichlorobenzene	1.408	1.300	7.7	81	0.00
15		Benzyl Alcohol	1.348	1.281	5.0	83	-0.01
16		2,2'-oxybis(1-Chloropropane	3.487	3.153	9.6	78	0.00
17		2-Methylphenol	0.674	0.656	2.7	81	0.00
18		Hexachloroethane	0.512	0.458	10.5	78	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.118	1.1	84	0.00
20		3+4-Methylphenols	1.688	1.599	5.3	81	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	95	0.00
22		Acetophenone	0.547	0.517	5.5	84	0.00
23	S	Nitrobenzene-d5	0.333	0.319	4.2	81	0.00
24		Nitrobenzene	0.362	0.356	1.7	83	0.00
25		Isophorone	0.799	0.754	5.6	83	-0.01
26	C	2-Nitrophenol	0.121	0.121	0.0	84	0.00
27		2,4-Dimethylphenol	0.303	0.313	-3.3	89	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.420	7.7	82	0.00
29	C	2,4-Dichlorophenol	0.320	0.305	4.7	81	0.00
30		1,2,4-Trichlorobenzene	0.363	0.345	5.0	84	0.00
31		Naphthalene	1.109	0.990	10.7	80	0.00
32		Benzoic acid	0.189	0.198	-4.8	93	-0.05
33		4-Chloroaniline	0.431	0.445	-3.2	92	0.00
34	C	Hexachlorobutadiene	0.284	0.250	12.0	80	0.00
35		Caprolactam	0.123	0.111	9.8	79	-0.03
36	C	4-Chloro-3-methylphenol	0.384	0.366	4.7	82	0.00
37		2-Methylnaphthalene	0.814	0.680	16.5	75	0.00
38		1-Methylnaphthalene	0.801	0.716	10.6	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	95	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.623	7.2	84	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.383	-26.8#	112	0.00
42	S	2,4,6-Tribromophenol	0.289	0.271	6.2	81	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.372	3.1	84	0.00
44		2,4,5-Trichlorophenol	0.443	0.412	7.0	81	0.00
45	S	2-Fluorobiphenyl	1.319	1.197	9.2	82	0.00
46		1,1'-Biphenyl	1.422	1.327	6.7	85	0.00
47		2-Chloronaphthalene	1.073	0.971	9.5	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	0.311	0.318	-2.3	87	0.00
49		Acenaphthylene	1.693	1.755	-3.7	93	0.00
50		Dimethylphthalate	1.530	1.411	7.8	82	0.00
51		2,6-Dinitrotoluene	0.218	0.249	-14.2	96	0.00
52	C	Acenaphthene	1.157	1.022	11.7	80	0.00
53		3-Nitroaniline	0.263	0.277	-5.3	89	0.00
54	P	2,4-Dinitrophenol	0.132	0.118	10.6	82	0.00
55		Dibenzofuran	1.870	1.687	9.8	82	0.00
56	P	4-Nitrophenol	0.244	0.206	15.6	75	0.00
57		2,4-Dinitrotoluene	0.340	0.343	-0.9	85	0.00
58		Fluorene	1.460	1.323	9.4	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.429	-1.2	88	0.00
60		Diethylphthalate	1.563	1.405	10.1	81	0.00
61		4-Chlorophenyl-phenylether	0.820	0.736	10.2	81	0.00
62		4-Nitroaniline	0.293	0.277	5.5	81	-0.01
63		Azobenzene	1.434	1.302	9.2	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	93	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.073	7.6	82	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.518	4.1	82	0.00
67		4-Bromophenyl-phenylether	0.237	0.225	5.1	81	0.00
68		Hexachlorobenzene	0.270	0.250	7.4	79	0.00
69		Atrazine	0.232	0.224	3.4	85	0.00
70	C	Pentachlorophenol	0.169	0.147	13.0	76	0.00
71		Phenanthrene	1.094	0.982	10.2	78	0.00
72		Anthracene	1.113	1.007	9.5	79	0.00
73		Carbazole	0.981	0.860	12.3	77	0.00
74		Di-n-butylphthalate	1.134	0.984	13.2	73	0.00
75	C	Fluoranthene	1.370	1.167	14.8	75	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	88	0.00
77		Benzidine	0.448	0.607	-35.5#	109	0.00
78		Pyrene	1.307	1.180	9.7	74	0.00
79	S	Terphenyl-d14	1.060	0.981	7.5	76	0.00
80		Butylbenzylphthalate	0.395	0.382	3.3	75	0.00
81		Benzo(a)anthracene	1.326	1.203	9.3	75	0.00
82		3,3'-Dichlorobenzidine	0.443	0.452	-2.0	83	0.00
83		Chrysene	1.262	1.121	11.2	74	0.00
84		Bis(2-ethylhexyl)phthalate	0.590	0.553	6.3	73	0.00
85	c	Di-n-octyl phthalate	0.995	0.898	9.7	73	0.00
86	I	Perylene-d12	1.000	1.000	0.0	87	0.00
87		Indeno(1,2,3-cd)pyrene	1.471	1.338	9.0	75	-0.02
88		Benzo(b)fluoranthene	1.226	1.111	9.4	74	0.00
89		Benzo(k)fluoranthene	1.227	1.143	6.8	78	-0.01
90	C	Benzo(a)pyrene	1.127	1.062	5.8	77	-0.01
91		Dibenzo(a,h)anthracene	1.195	1.099	8.0	76	-0.02
92		Benzo(g,h,i)perylene	1.471	1.338	9.0	75	-0.02

Evaluate Continuing Calibration Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064577.D
Acq On : 24 Oct 2025 16:47
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ICVBG102425

Quant Time: Oct 24 17:24:36 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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

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.: Q3376

Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29

Lab File ID: BF144009.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	1.299		3.2	
Benzaldehyde	1.158	1.203		3.9	
Phenol-d6	1.501	1.494		-0.5	
Phenol	1.795	1.901		5.9	20.0
bis(2-Chloroethyl)ether	1.386	1.376		-0.7	
2-Chlorophenol	1.231	1.267		2.9	
2-Methylphenol	1.017	1.009		-0.8	
2,2-oxybis(1-Chloropropane)	3.156	3.225		2.2	
Acetophenone	0.423	0.409		-3.3	
3+4-Methylphenols	1.179	1.177		-0.2	
n-Nitroso-di-n-propylamine	1.028	0.983	0.050	-4.4	
Nitrobenzene-d5	0.329	0.341		3.6	
Hexachloroethane	0.485	0.486		0.2	
Nitrobenzene	0.366	0.382		4.4	
Isophorone	0.694	0.664		-4.3	
2-Nitrophenol	0.157	0.182		15.9	20.0
2,4-Dimethylphenol	0.282	0.290		2.8	
bis(2-Chloroethoxy)methane	0.438	0.433		-1.1	
2,4-Dichlorophenol	0.294	0.295		0.3	20.0
Naphthalene	0.910	0.902		-0.9	
4-Chloroaniline	0.341	0.341		0.0	
Hexachlorobutadiene	0.201	0.197		-2.0	20.0
Caprolactam	0.093	0.095		2.2	
4-Chloro-3-methylphenol	0.282	0.281		-0.4	20.0
2-Methylnaphthalene	0.606	0.599		-1.2	
Hexachlorocyclopentadiene	0.229	0.224	0.050	-2.2	
2,4,6-Trichlorophenol	0.404	0.394		-2.5	20.0
2-Fluorobiphenyl	1.260	1.174		-6.8	
2,4,5-Trichlorophenol	0.427	0.432		1.2	
1,1-Biphenyl	1.324	1.283		-3.1	
2-Chloronaphthalene	1.104	1.099		-0.5	
2-Nitroaniline	0.349	0.372		6.6	
Dimethylphthalate	1.270	1.246		-1.9	
Acenaphthylene	1.552	1.531		-1.4	
2,6-Dinitrotoluene	0.236	0.265		12.3	
3-Nitroaniline	0.288	0.299		3.8	
Acenaphthene	1.017	0.980		-3.6	20.0
2,4-Dinitrophenol	0.118	0.105	0.050	-11.0	
4-Nitrophenol	0.218	0.197	0.050	-9.6	

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.: Q3376

Instrument ID: BNA_F Calibration Date/Time: 10/21/2025 13:29

Lab File ID: BF144009.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	1.413		-1.6	
2,4-Dinitrotoluene	0.320	0.350		9.4	
Diethylphthalate	1.180	1.127		-4.5	
4-Chlorophenyl-phenylether	0.573	0.561		-2.1	
Fluorene	1.083	1.053		-2.9	
4-Nitroaniline	0.277	0.278		0.4	
4,6-Dinitro-2-methylphenol	0.101	0.109		7.9	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.191		-4.0	
4-Bromophenyl-phenylether	0.221	0.213		-3.6	
Hexachlorobenzene	0.256	0.249		-2.7	
Atrazine	0.190	0.184		-3.2	
Pentachlorophenol	0.147	0.129		-12.2	20.0
Phenanthrene	0.970	0.933		-3.8	
Anthracene	0.980	0.987		0.7	
Carbazole	0.868	0.845		-2.7	
Di-n-butylphthalate	1.005	1.014		0.9	
Fluoranthene	1.002	0.960		-4.2	20.0
Pyrene	1.667	1.805		8.3	
Terphenyl-d14	1.170	1.282		9.6	
Butylbenzylphthalate	0.542	0.567		4.6	
3,3-Dichlorobenzidine	0.399	0.400		0.3	
Benzo(a)anthracene	1.309	1.372		4.8	
Chrysene	1.211	1.172		-3.2	
Bis(2-ethylhexyl)phthalate	0.653	0.671		2.8	
Di-n-octyl phthalate	1.072	1.175		9.6	20.0
Benzo(b)fluoranthene	1.149	1.144		-0.4	
Benzo(k)fluoranthene	1.063	0.968		-8.9	
Benzo(a)pyrene	0.996	1.033		3.7	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.420		15.9	
Dibenzo(a,h)anthracene	0.986	1.157		17.3	
Benzo(g,h,i)perylene	0.986	1.143		15.9	
1,2,4,5-Tetrachlorobenzene	0.553	0.559		1.1	
1,4-Dioxane	0.583	0.600		2.9	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.299		-1.0	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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	126907	20.00	ng		0.00
21) Naphthalene-d8	8.163	136	483648	20.00	ng		0.00
39) Acenaphthene-d10	9.922	164	263342	20.00	ng		0.00
64) Phenanthrene-d10	11.416	188	430811	20.00	ng		0.00
76) Chrysene-d12	14.063	240	235758	20.00	ng		0.00
86) Perylene-d12	15.545	264	243917	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.492	112	659598	82.54	ng		0.00
7) Phenol-d6	6.510	99	758257	79.60	ng		0.00
23) Nitrobenzene-d5	7.445	82	659772	82.88	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	201018	76.64	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	1236786	74.52	ng		-0.01
79) Terphenyl-d14	13.004	244	1208859	87.63	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.640	88	152307	41.18	ng		95
3) Pyridine	3.404	79	433211	40.24	ng		99
4) n-Nitrosodimethylamine	3.357	42	214136	37.81	ng		96
6) Aniline	6.545	93	562479	39.41	ng		98
8) 2-Chlorophenol	6.663	128	321477	41.15	ng		99
9) Benzaldehyde	6.434	77	305342	41.55	ng		100
10) Phenol	6.522	94	482522	42.37	ng		98
11) bis(2-Chloroethyl)ether	6.616	93	349275	39.70	ng		96
12) 1,3-Dichlorobenzene	6.822	146	371419	39.72	ng		99
13) 1,4-Dichlorobenzene	6.898	146	363777	39.44	ng		100
14) 1,2-Dichlorobenzene	7.051	146	358067	40.53	ng		99
15) Benzyl Alcohol	7.022	79	284416	39.85	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	818434	40.87	ng		100
17) 2-Methylphenol	7.134	107	256143	39.68	ng		98
18) Hexachloroethane	7.392	117	123432	40.13	ng		96
19) n-Nitroso-di-n-propyla...	7.292	70	249549	38.27	ng		99
20) 3+4-Methylphenols	7.287	107	298653	39.91	ng	#	79
22) Acetophenone	7.292	105	395279	38.65	ng		99
24) Nitrobenzene	7.463	77	369646	41.81	ng		99
25) Isophorone	7.704	82	642035	38.25	ng		98
26) 2-Nitrophenol	7.781	139	175637	46.34	ng		97
27) 2,4-Dimethylphenol	7.816	122	280851	41.19	ng		96
28) bis(2-Chloroethoxy)met...	7.910	93	419161	39.53	ng		98
29) 2,4-Dichlorophenol	8.022	162	284947	40.12	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	278910	39.93	ng		100
31) Naphthalene	8.186	128	872696	39.67	ng		99
32) Benzoic acid	7.922	122	177272	37.57	ng		97
33) 4-Chloroaniline	8.233	127	329949	39.99	ng		99
34) Hexachlorobutadiene	8.304	225	190984	39.35	ng		98
35) Caprolactam	8.604	113	91608	40.57	ng		97
36) 4-Chloro-3-methylphenol	8.716	107	271348	39.78	ng		98
37) 2-Methylnaphthalene	8.881	142	579595	39.55	ng		99
38) 1-Methylnaphthalene	8.980	142	554429	39.00	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	294341	40.44	ng		99
41) Hexachlorocyclopentadiene	9.033	237	117733	38.99	ng		96
43) 2,4,6-Trichlorophenol	9.157	196	207739	39.06	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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

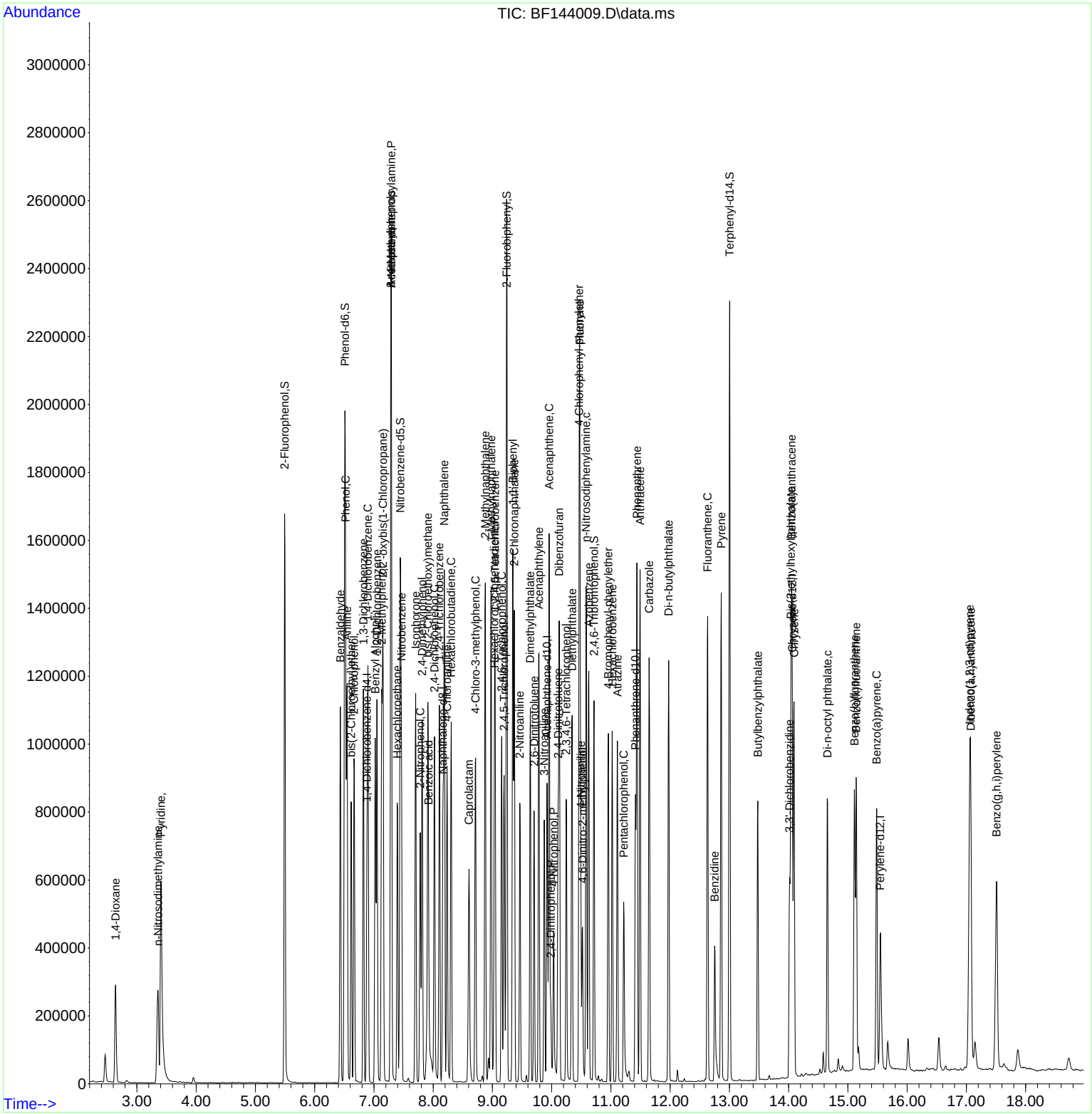
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	227628	40.50	ng		99
46) 1,1'-Biphenyl	9.345	154	675634	38.75	ng		99
47) 2-Chloronaphthalene	9.369	162	579022	39.83	ng		97
48) 2-Nitroaniline	9.463	65	195755	42.59	ng		97
49) Acenaphthylene	9.786	152	806476	39.46	ng		99
50) Dimethylphthalate	9.639	163	656275	39.24	ng		99
51) 2,6-Dinitrotoluene	9.704	165	139509	44.99	ng		97
52) Acenaphthene	9.957	154	516301	38.55	ng		98
53) 3-Nitroaniline	9.875	138	157431	41.46	ng		99
54) 2,4-Dinitrophenol	9.986	184	55464	33.42	ng		92
55) Dibenzofuran	10.127	168	744098	39.36	ng		98
56) 4-Nitrophenol	10.033	139	103581	36.03	ng		98
57) 2,4-Dinitrotoluene	10.110	165	184180	43.65	ng		98
58) Fluorene	10.475	166	554334	38.86	ng		97
59) 2,3,4,6-Tetrachlorophenol	10.245	232	157324	39.55	ng	#	97
60) Diethylphthalate	10.345	149	593454	38.20	ng		98
61) 4-Chlorophenyl-phenyle...	10.463	204	295638	39.20	ng		99
62) 4-Nitroaniline	10.492	138	146339	40.08	ng		93
63) Azobenzene	10.627	77	637557	39.26	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	93751	43.30	ng		97
66) n-Nitrosodiphenylamine	10.580	169	544516	40.25	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	183591	38.56	ng		96
68) Hexachlorobenzene	11.022	284	214871	38.98	ng		99
69) Atrazine	11.110	200	158713	38.71	ng		99
70) Pentachlorophenol	11.216	266	110842	35.01	ng		99
71) Phenanthrene	11.439	178	804054	38.50	ng		99
72) Anthracene	11.492	178	850834	40.32	ng		100
73) Carbazole	11.645	167	728491	38.98	ng		99
74) Di-n-butylphthalate	11.974	149	873478	40.33	ng		99
75) Fluoranthene	12.633	202	827067	38.34	ng		99
77) Benzidine	12.751	184	288239	35.21	ng		97
78) Pyrene	12.863	202	850887	43.29	ng		99
80) Butylbenzylphthalate	13.480	149	267401	41.89	ng		99
81) Benzo(a)anthracene	14.051	228	646917	41.93	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	188768	40.15	ng		99
83) Chrysene	14.092	228	552423	38.69	ng		100
84) Bis(2-ethylhexyl)phtha...	14.039	149	316468	41.13	ng		99
85) Di-n-octyl phthalate	14.657	149	554105	43.84	ng		99
87) Indeno(1,2,3-cd)pyrene	17.056	276	692814	46.35	ng		98
88) Benzo(b)fluoranthene	15.110	252	558030	39.83	ng		99
89) Benzo(k)fluoranthene	15.139	252	472182	36.42	ng		100
90) Benzo(a)pyrene	15.486	252	503690	41.46	ng	#	98
91) Dibenzo(a,h)anthracene	17.074	278	564523	46.96	ng		99
92) Benzo(g,h,i)perylene	17.509	276	557435	46.37	ng		98

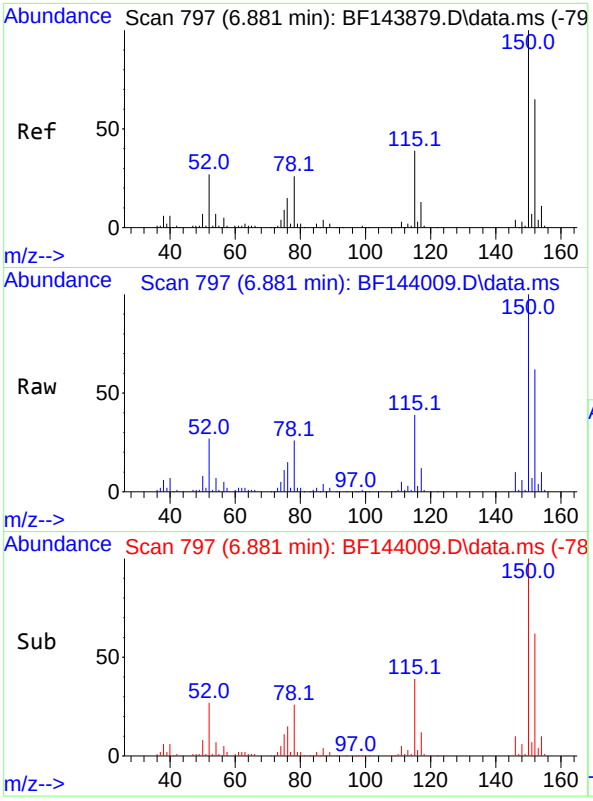
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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



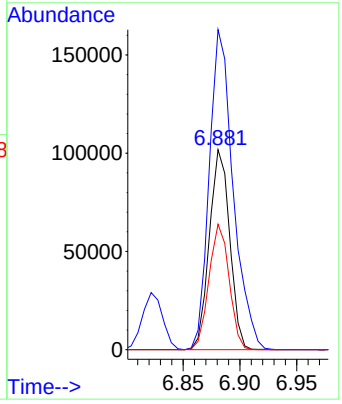


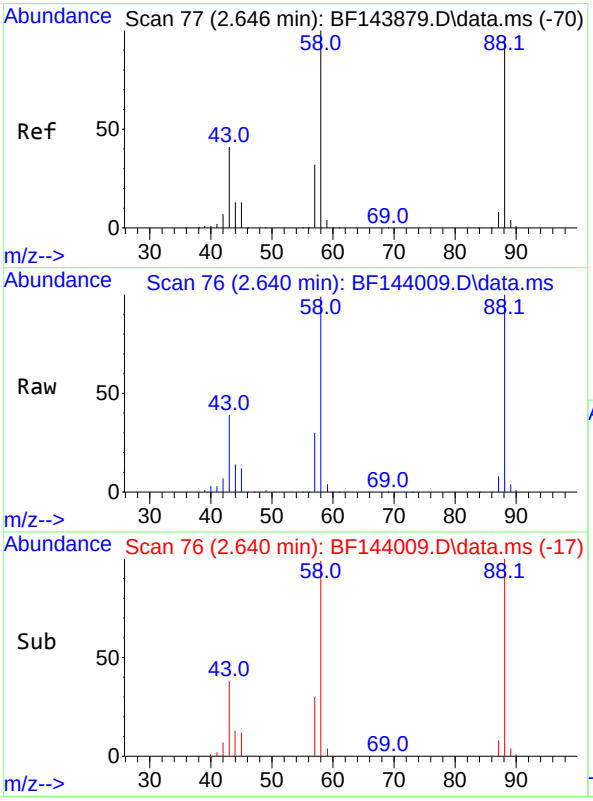
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 126907

Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.4	186.6
115	62.8	48.1	72.1

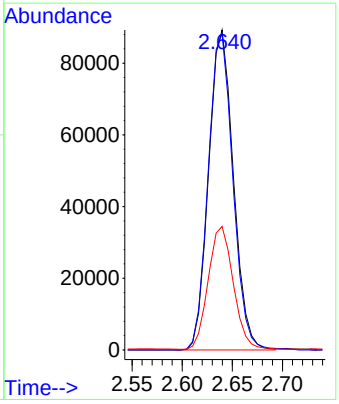


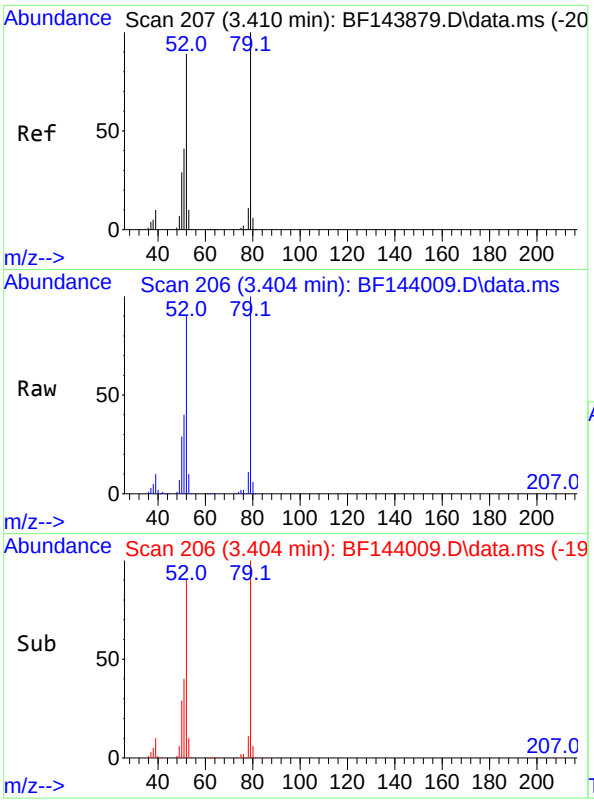


#2
1,4-Dioxane
Concen: 41.18 ng
RT: 2.640 min Scan# 76
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 88 Resp: 152307

Ion	Ratio	Lower	Upper
88	100		
58	98.9	83.0	124.6
43	39.0	33.9	50.9



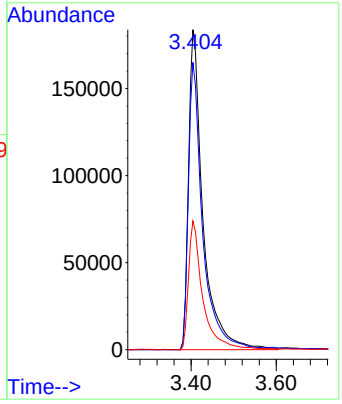


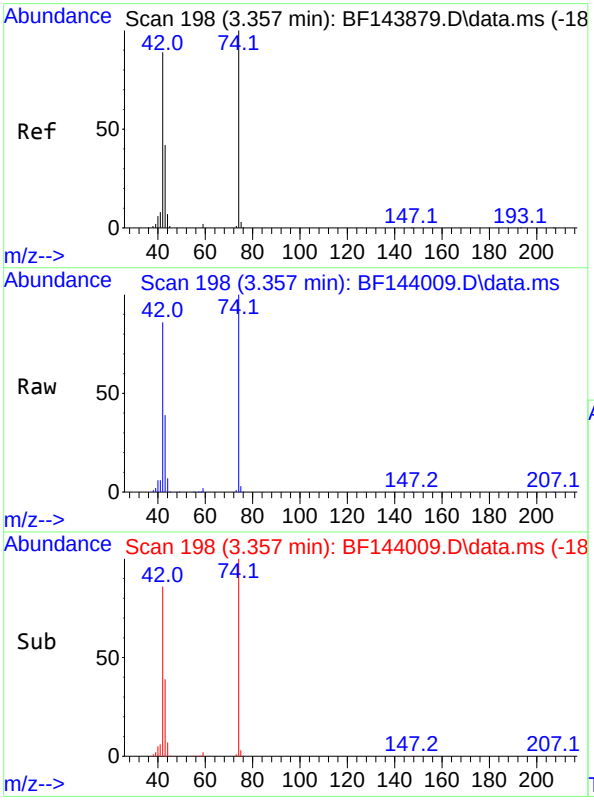
#3
Pyridine
Concen: 40.24 ng
RT: 3.404 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 433211

Ion	Ratio	Lower	Upper
79	100		
52	89.8	71.5	107.3
51	40.2	32.9	49.3

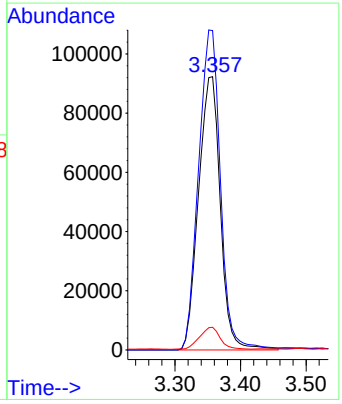


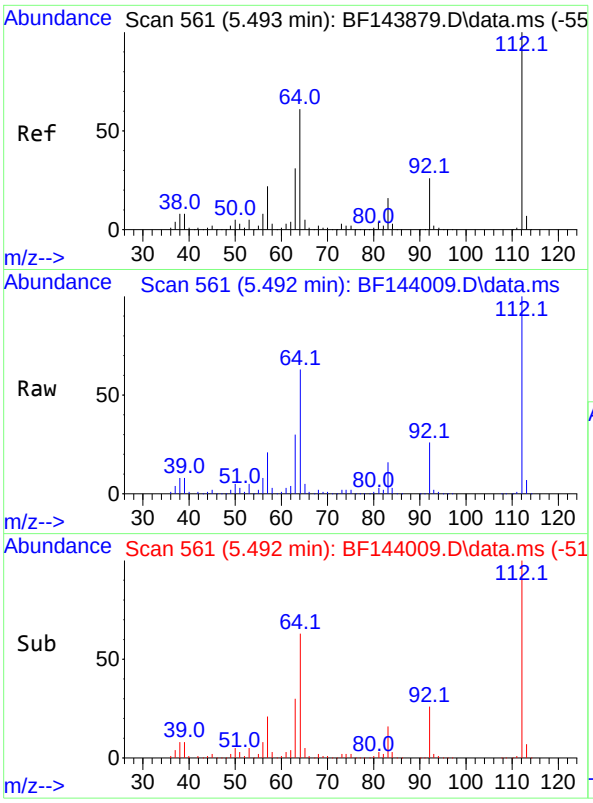


#4
n-Nitrosodimethylamine
Concen: 37.81 ng
RT: 3.357 min Scan# 198
Delta R.T. -0.029 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 42 Resp: 214136

Ion	Ratio	Lower	Upper
42	100		
74	116.8	90.0	135.0
44	8.3	6.2	9.2



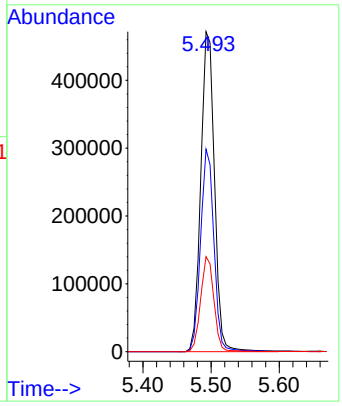


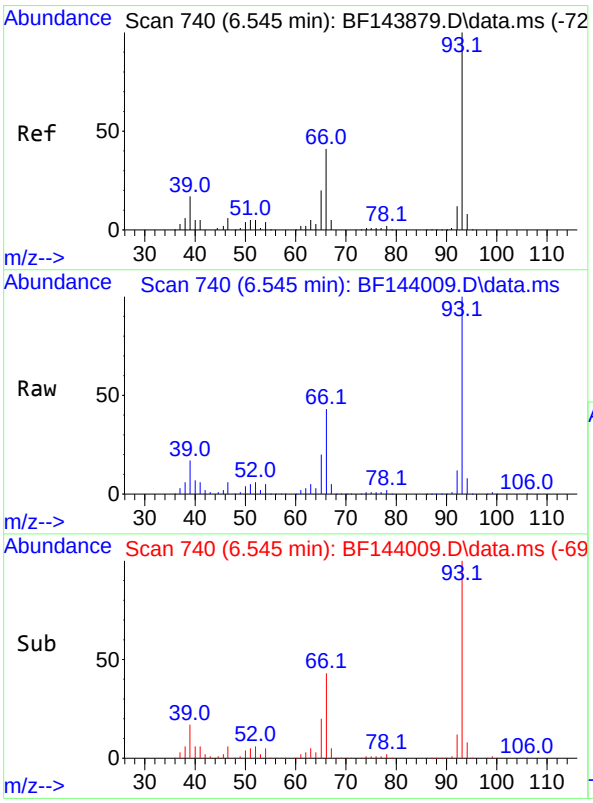
#5
2-Fluorophenol
Concen: 82.54 ng
RT: 5.492 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 659598

Ion	Ratio	Lower	Upper
112	100		
64	63.3	49.1	73.7
63	29.7	24.5	36.7

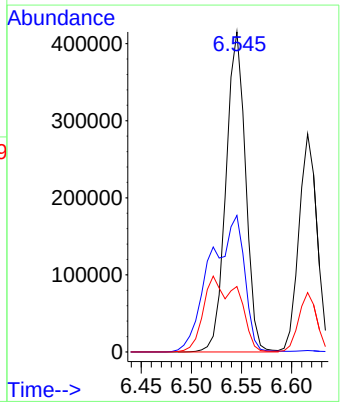


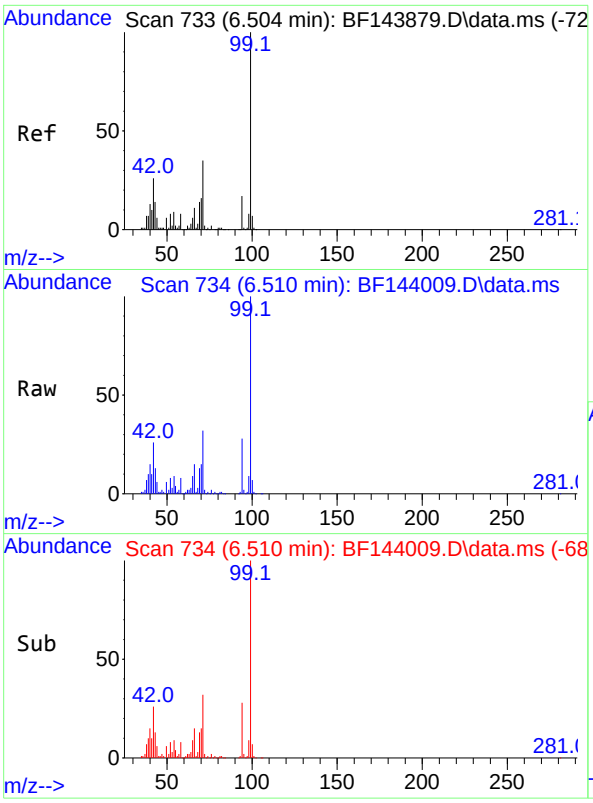


#6
Aniline
Concen: 39.41 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 93 Resp: 562479

Ion	Ratio	Lower	Upper
93	100		
66	42.7	33.0	49.6
65	20.4	15.8	23.8



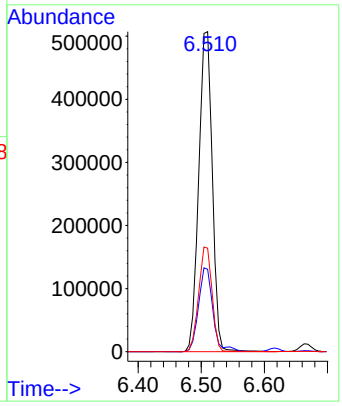


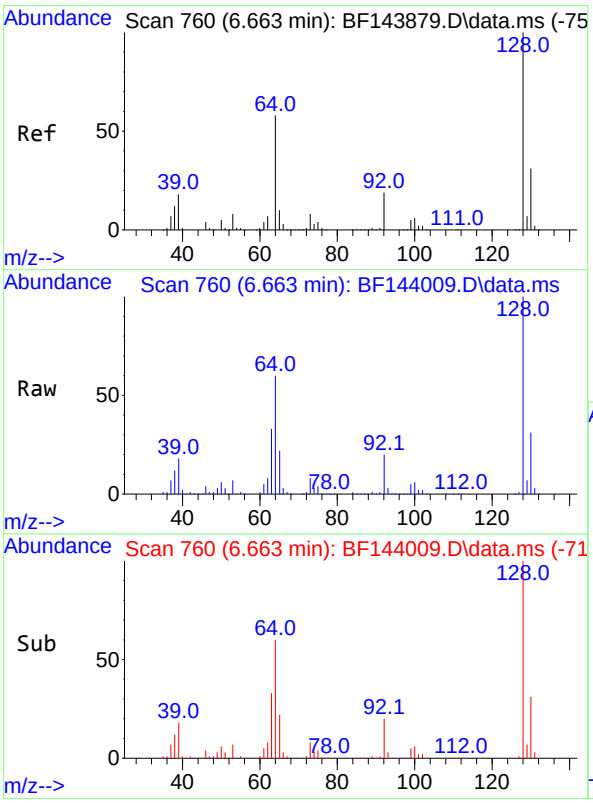
#7
Phenol-d6
Concen: 79.60 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 758257

Ion	Ratio	Lower	Upper
99	100		
42	25.8	21.0	31.4
71	32.3	27.8	41.8

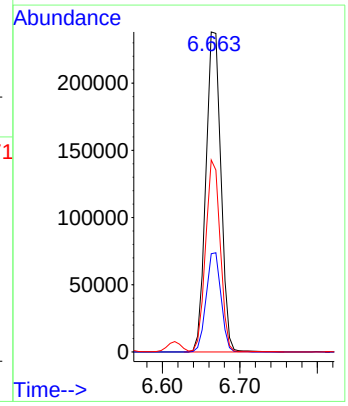


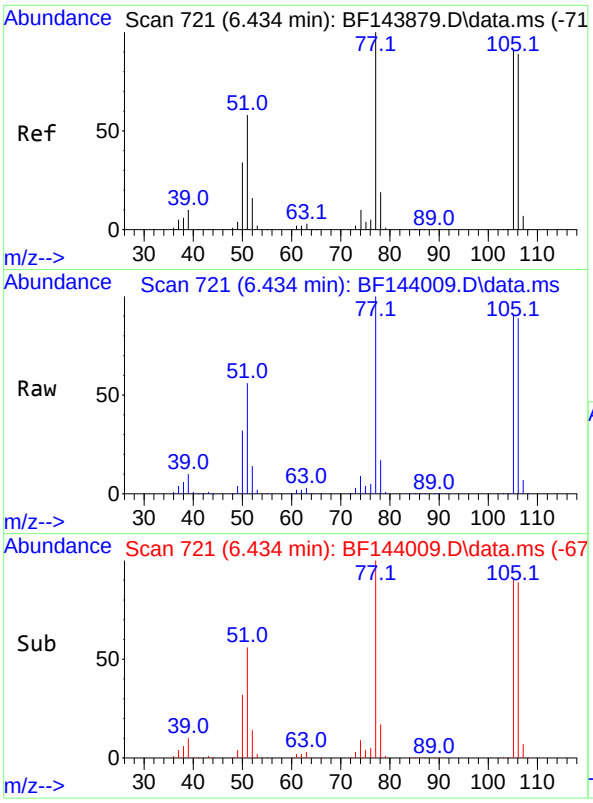


#8
2-Chlorophenol
Concen: 41.15 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:128 Resp: 321477

Ion	Ratio	Lower	Upper
128	100		
130	30.7	10.7	50.7
64	60.0	39.0	79.0



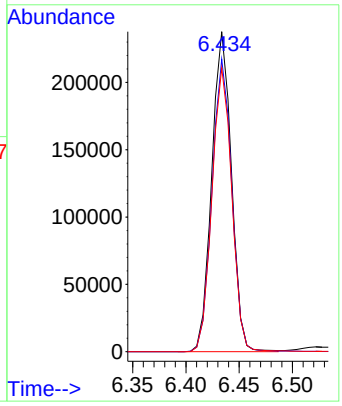


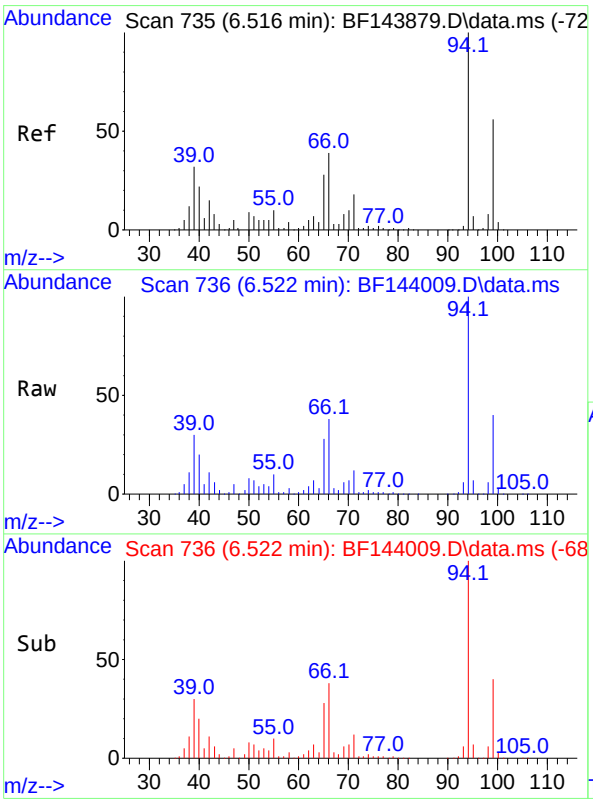
#9
Benzaldehyde
Concen: 41.55 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 305342

Ion	Ratio	Lower	Upper
77	100		
105	91.4	70.9	110.9
106	88.7	68.9	108.9

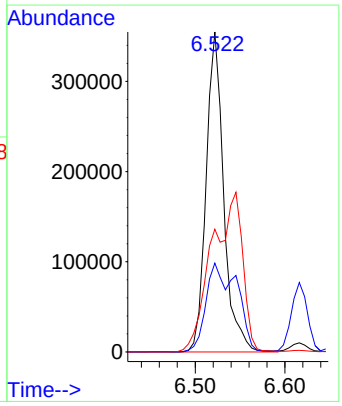


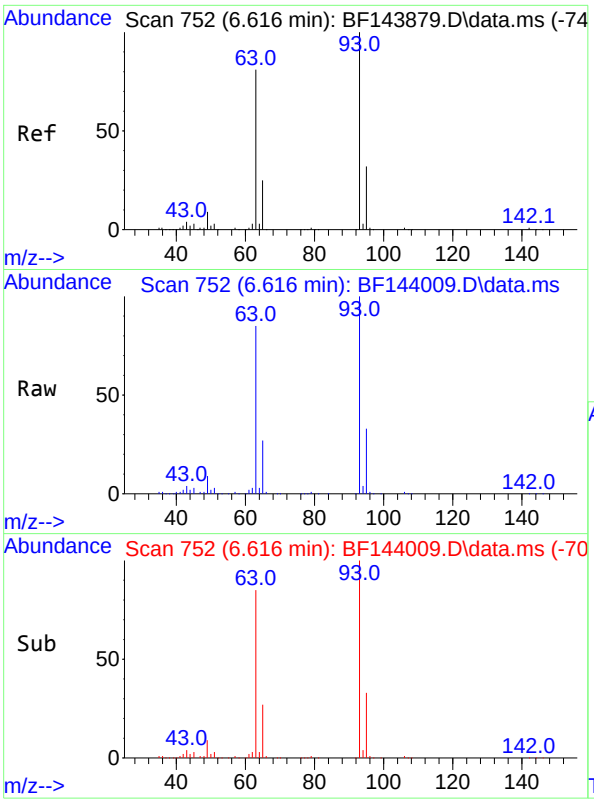


#10
Phenol
Concen: 42.37 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 94 Resp: 482522

Ion	Ratio	Lower	Upper
94	100		
65	27.7	8.5	48.5
66	38.4	19.9	59.9



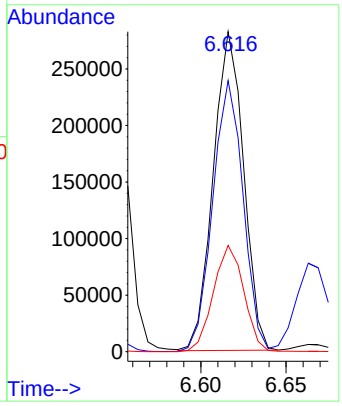


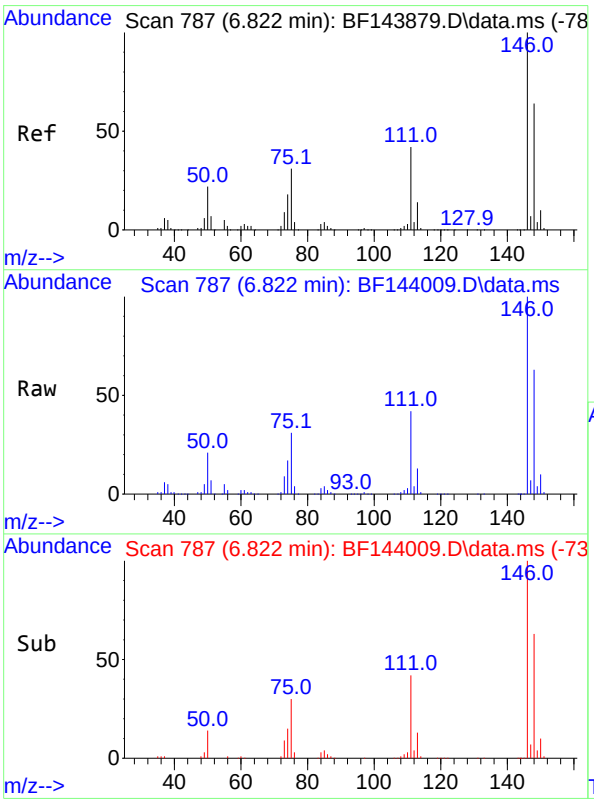
#11
bis(2-Chloroethyl)ether
Concen: 39.70 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 349275

Ion	Ratio	Lower	Upper
93	100		
63	84.7	60.9	100.9
95	33.2	11.5	51.5

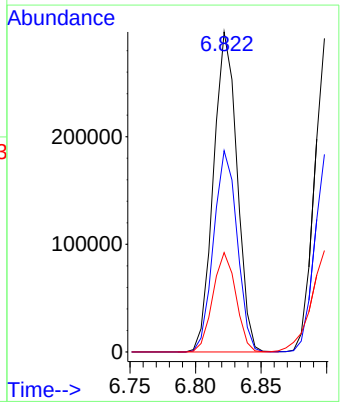


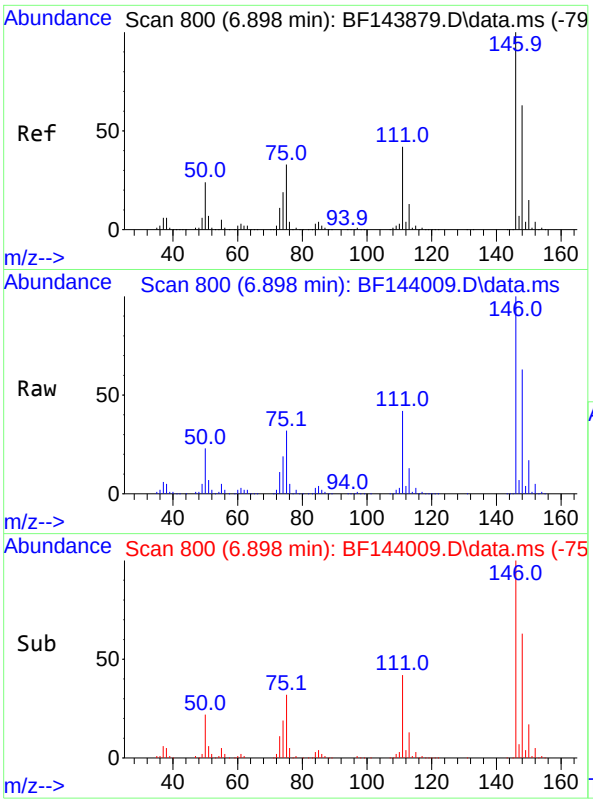


#12
1,3-Dichlorobenzene
Concen: 39.72 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:146 Resp: 371419

Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.0	76.4
75	31.1	24.9	37.3



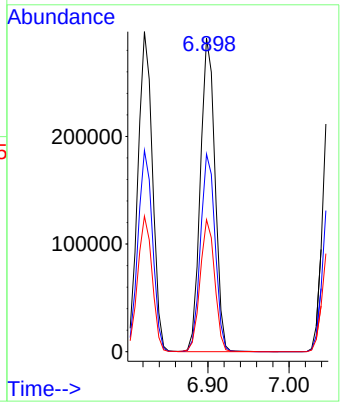


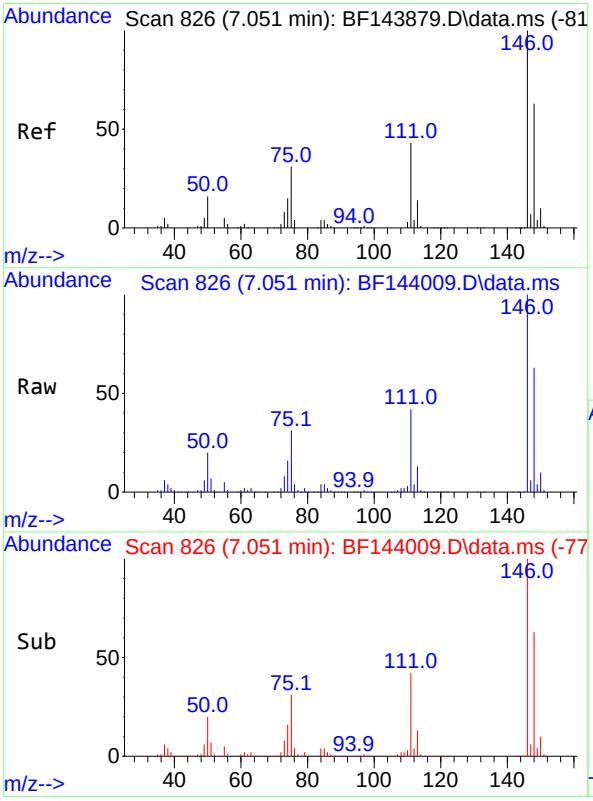
#13
1,4-Dichlorobenzene
Concen: 39.44 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 363777

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
111	42.1	33.4	50.0

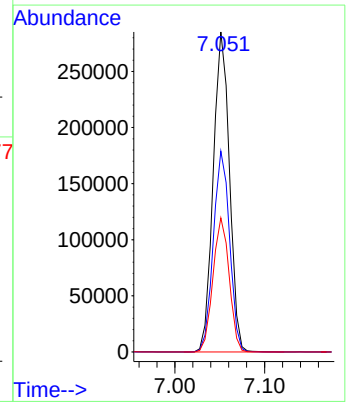


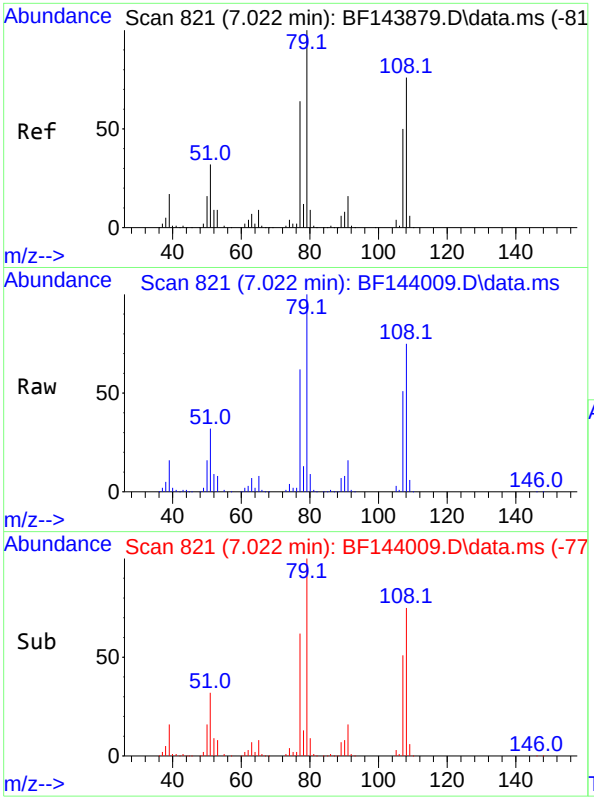


#14
1,2-Dichlorobenzene
Concen: 40.53 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:146 Resp: 358067

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	75.8
111	41.9	34.6	51.8



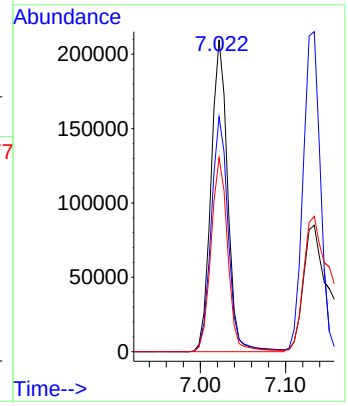


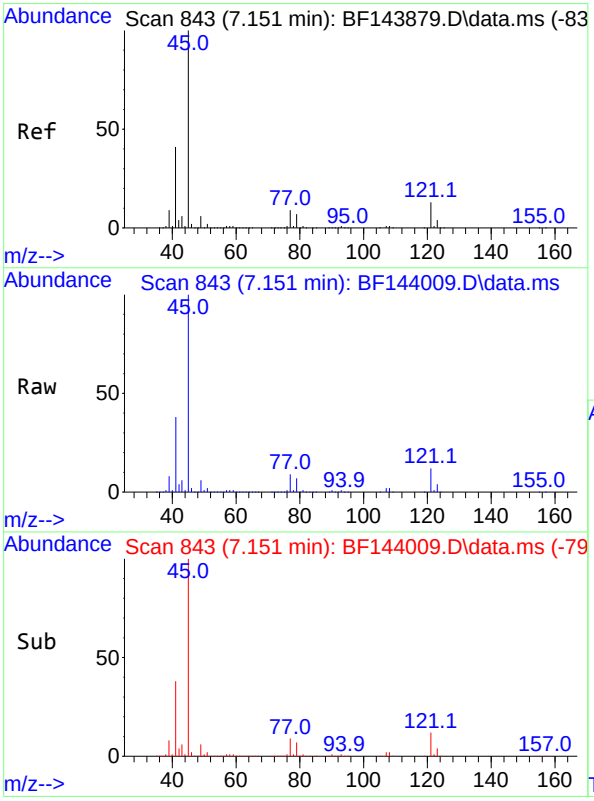
#15
Benzyl Alcohol
Concen: 39.85 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 284416

Ion	Ratio	Lower	Upper
79	100		
108	75.3	60.8	91.2
77	62.2	51.0	76.6

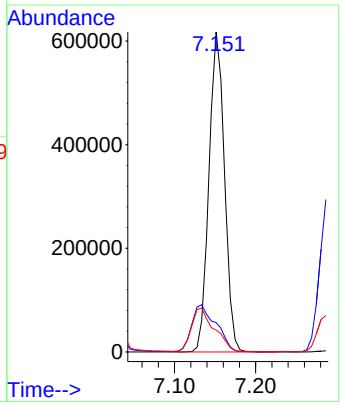


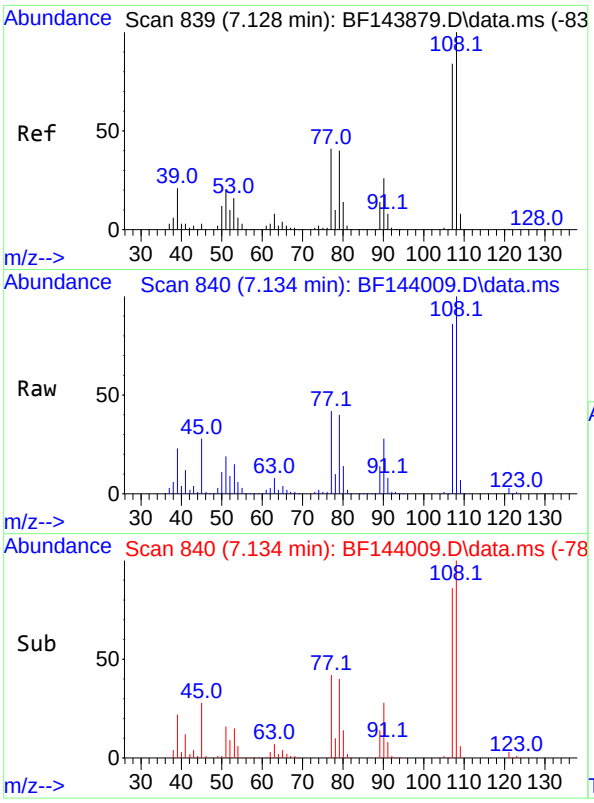


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.87 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 45 Resp: 818434

Ion	Ratio	Lower	Upper
45	100		
77	9.2	0.0	29.0
79	6.9	0.0	26.8



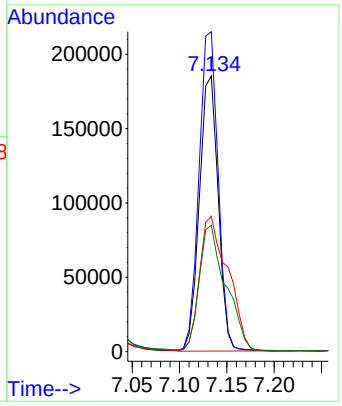


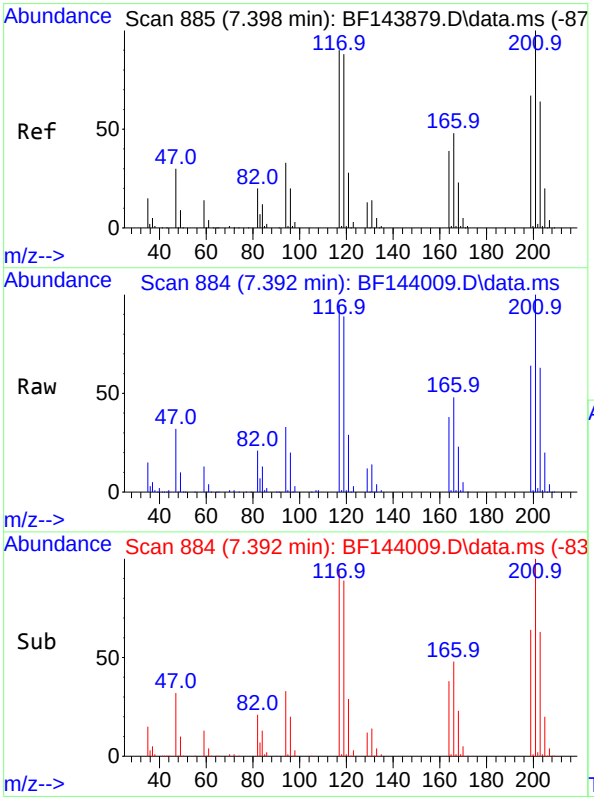
#17
2-Methylphenol
Concen: 39.68 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 256143

Ion	Ratio	Lower	Upper
107	100		
108	116.1	94.7	142.1
77	49.1	38.8	58.2
79	45.8	38.3	57.5

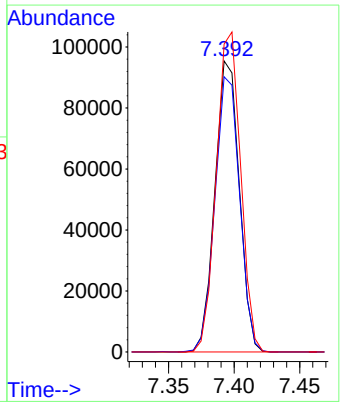


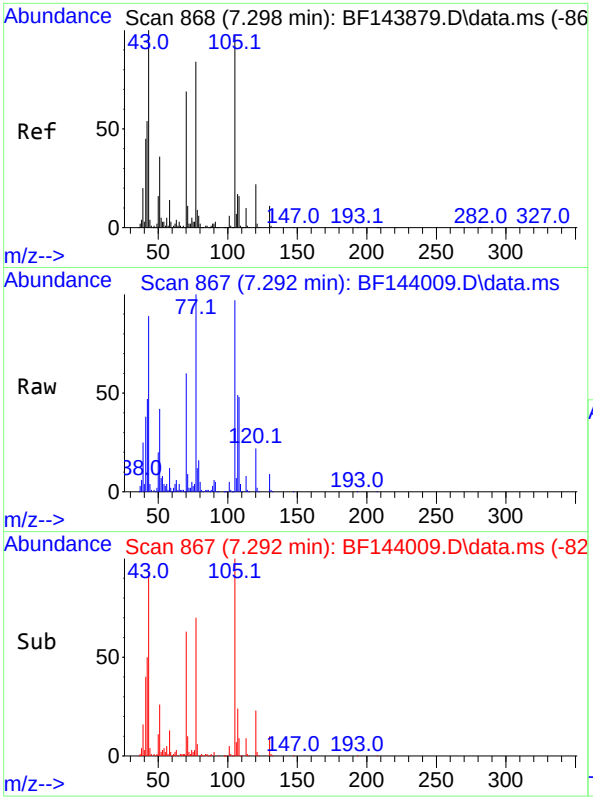


#18
Hexachloroethane
Concen: 40.13 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:117 Resp: 123432

Ion	Ratio	Lower	Upper
117	100		
119	94.6	77.8	116.8
201	105.8	88.5	132.7



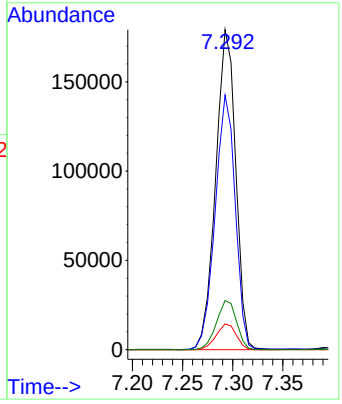


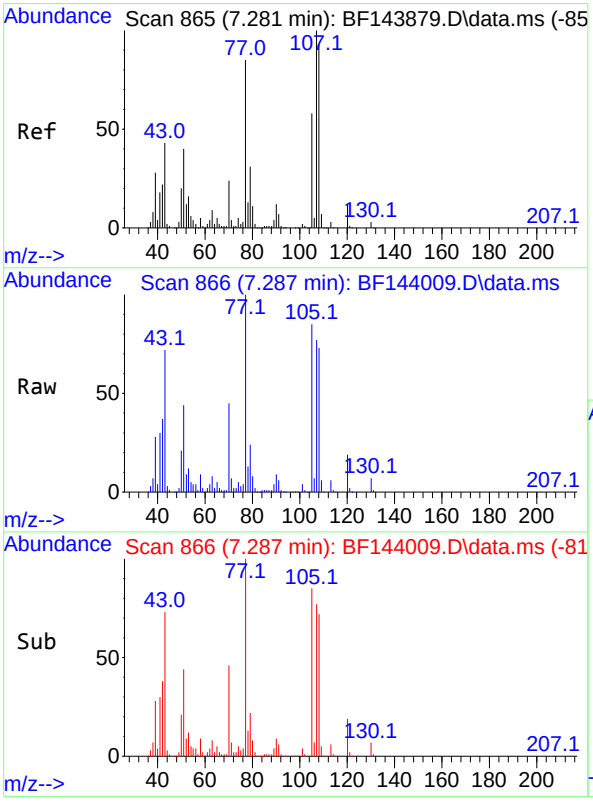
#19
n-Nitroso-di-n-propylamine
Concen: 38.27 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 249549

Ion	Ratio	Lower	Upper
70	100		
42	79.5	62.8	94.2
101	8.1	6.7	10.1
130	15.4	13.0	19.4

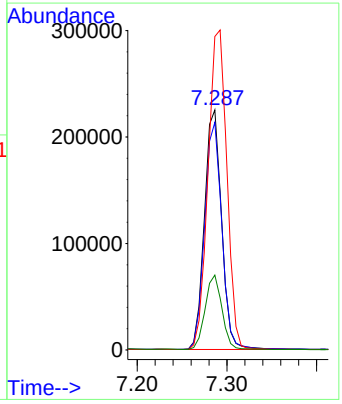


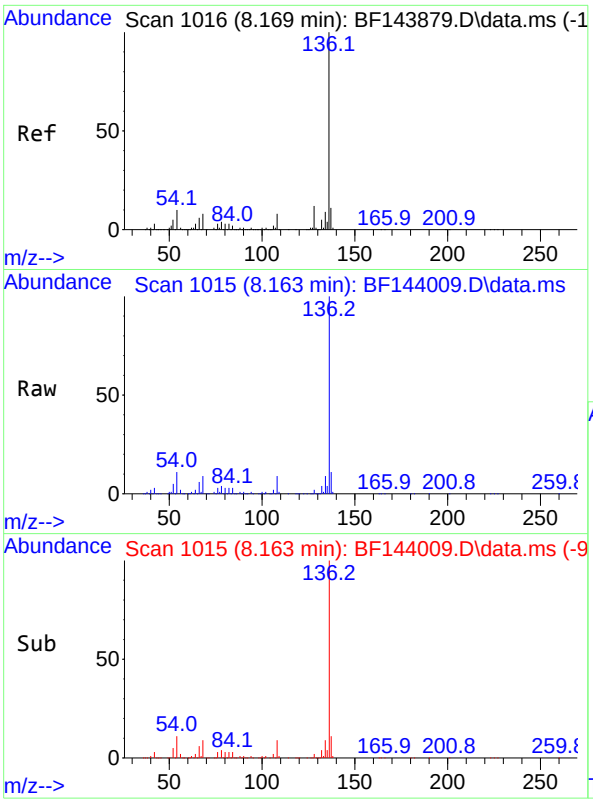


#20
3+4-Methylphenols
Concen: 39.91 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:107 Resp: 298653

Ion	Ratio	Lower	Upper
107	100		
108	94.8	73.0	113.0
77	130.6	64.6	104.6#
79	31.2	11.5	51.5



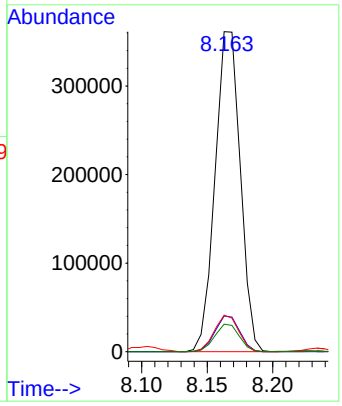


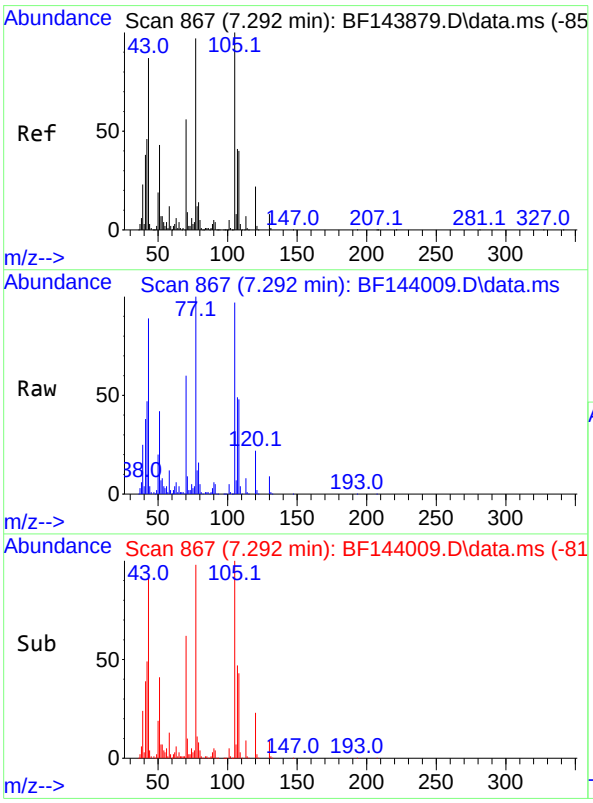
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 483648

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.5	12.7
54	11.4	8.2	12.4
68	8.6	6.2	9.4

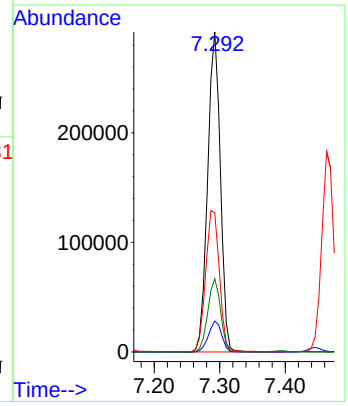


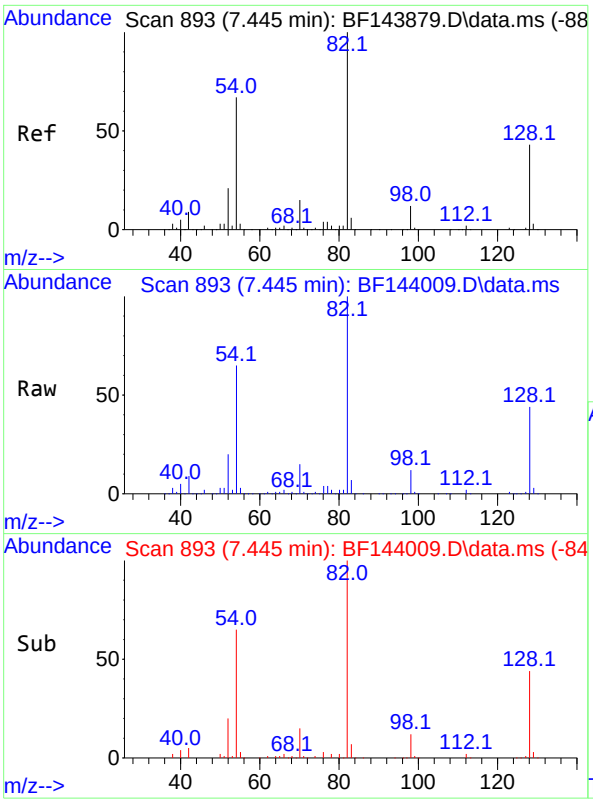


#22
Acetophenone
Concen: 38.65 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:105 Resp: 395279

Ion	Ratio	Lower	Upper
105	100		
71	9.7	7.4	11.0
51	43.5	34.2	51.4
120	22.9	17.7	26.5



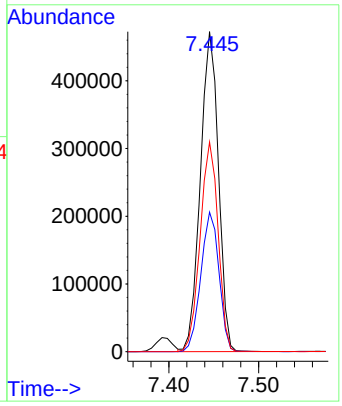


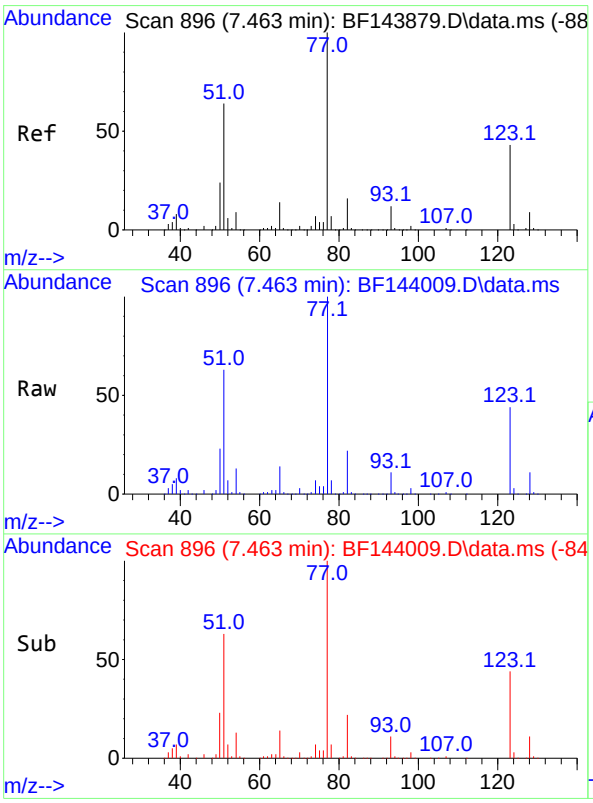
#23
Nitrobenzene-d5
Concen: 82.88 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 659772

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.0	51.0
54	65.5	53.2	79.8

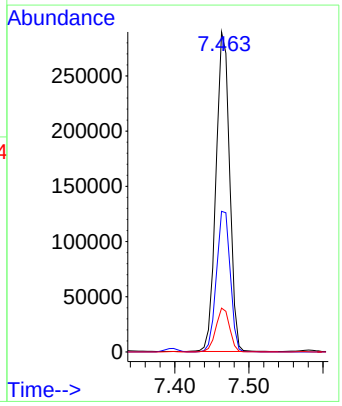


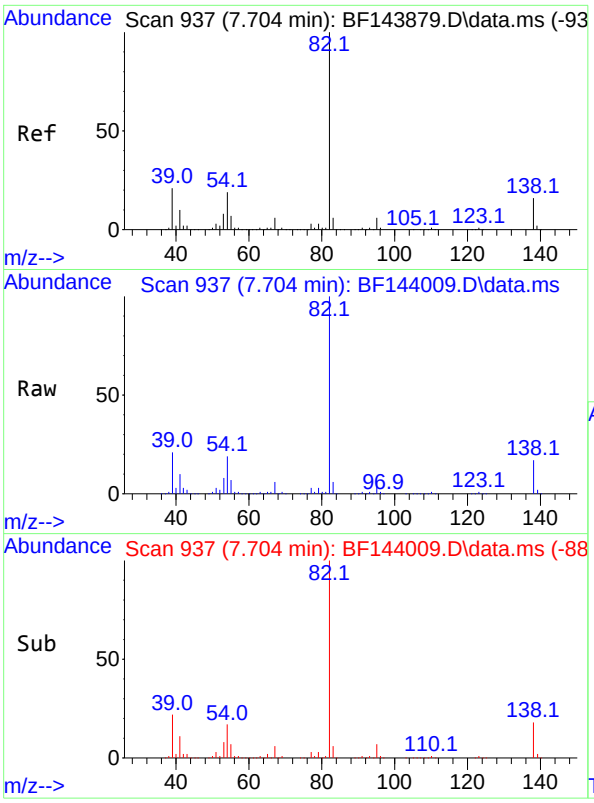


#24
Nitrobenzene
Concen: 41.81 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 77 Resp: 369646

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.2	51.4
65	13.7	11.0	16.6



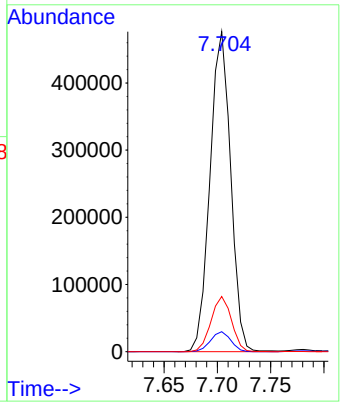


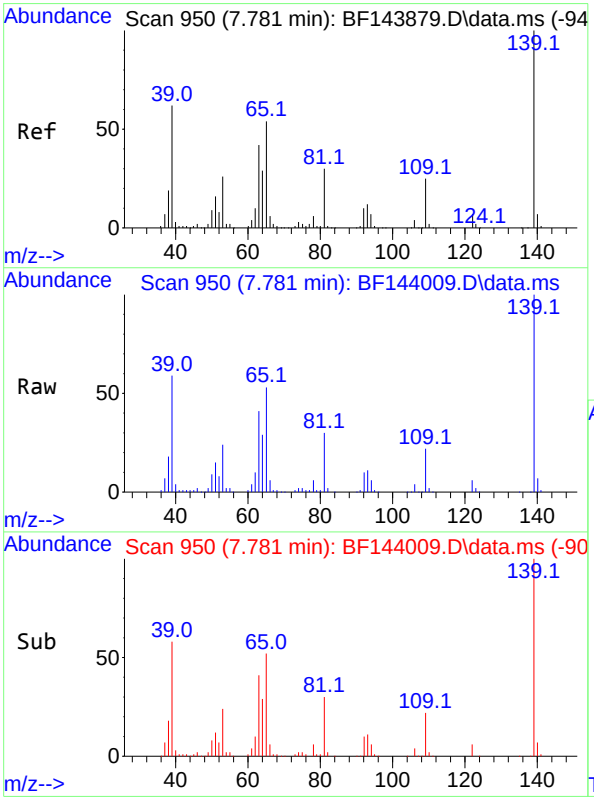
#25
Isophorone
Concen: 38.25 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 642035

Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	17.3	12.9	19.3

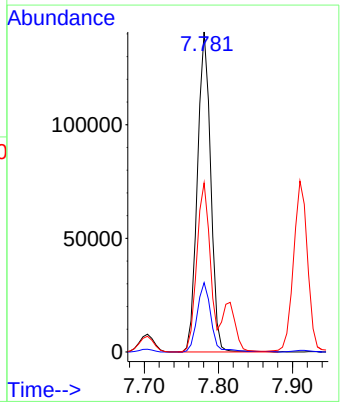


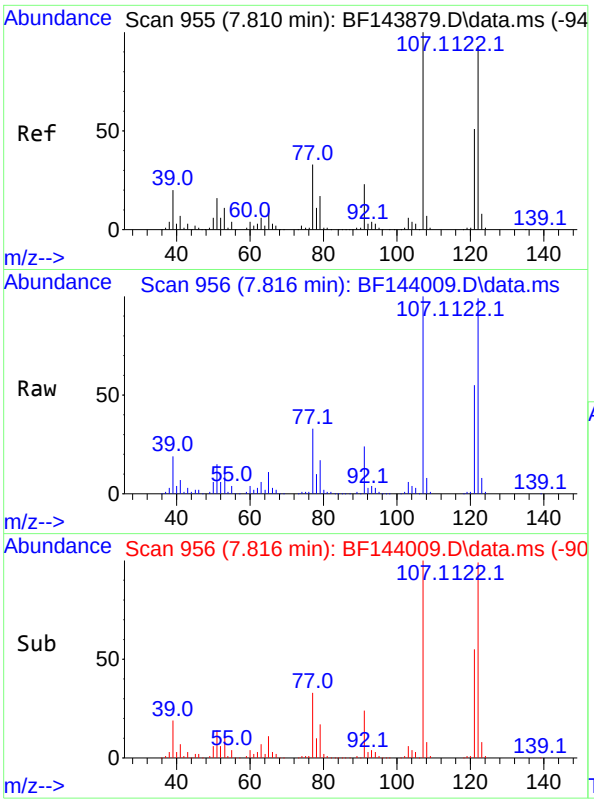


#26
2-Nitrophenol
Concen: 46.34 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:139 Resp: 175637

Ion	Ratio	Lower	Upper
139	100		
109	21.6	19.8	29.6
65	52.8	42.9	64.3



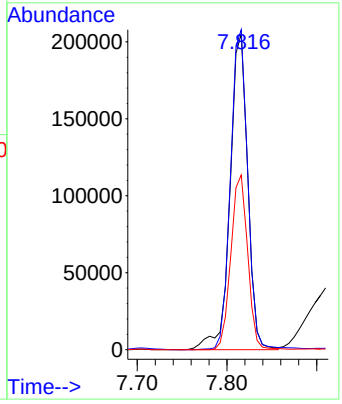


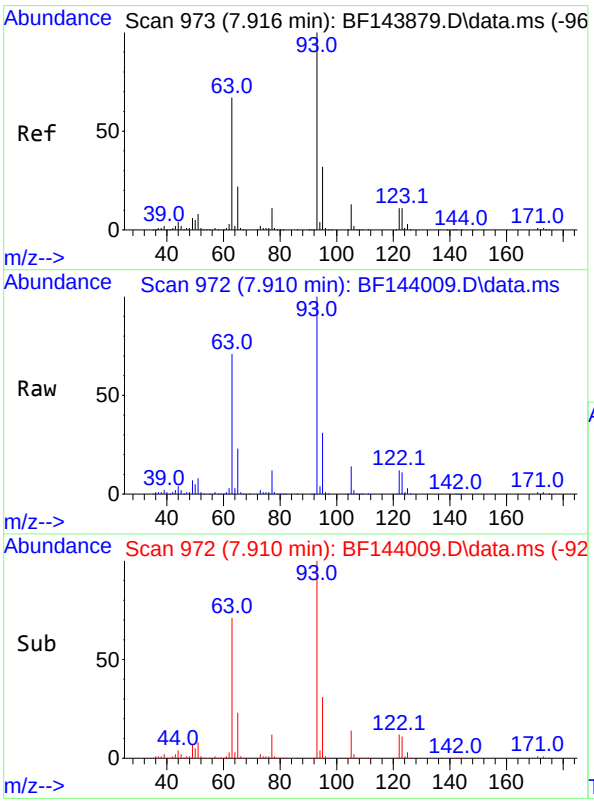
#27
2,4-Dimethylphenol
Concen: 41.19 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 280851

Ion	Ratio	Lower	Upper
122	100		
107	101.4	86.1	129.1
121	55.3	43.8	65.6

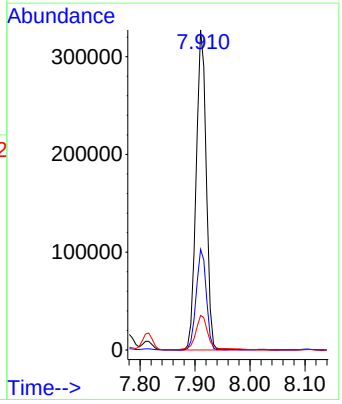


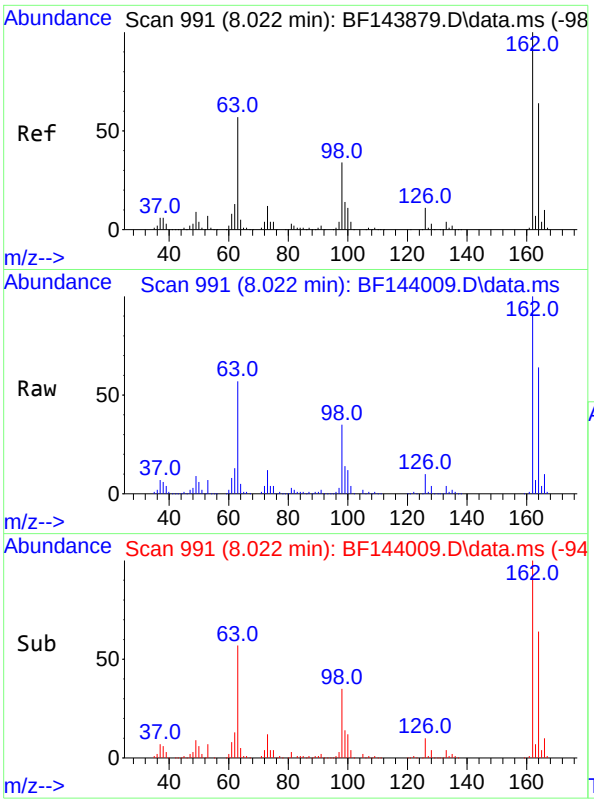


#28
bis(2-Chloroethoxy)methane
Concen: 39.53 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 93 Resp: 419161

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.9	38.9
123	10.8	9.4	14.0



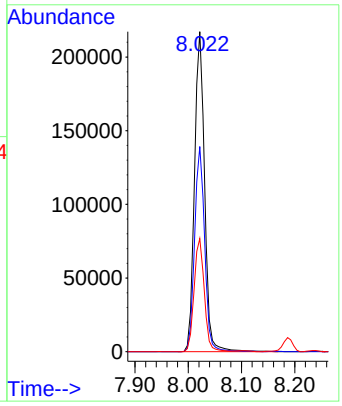


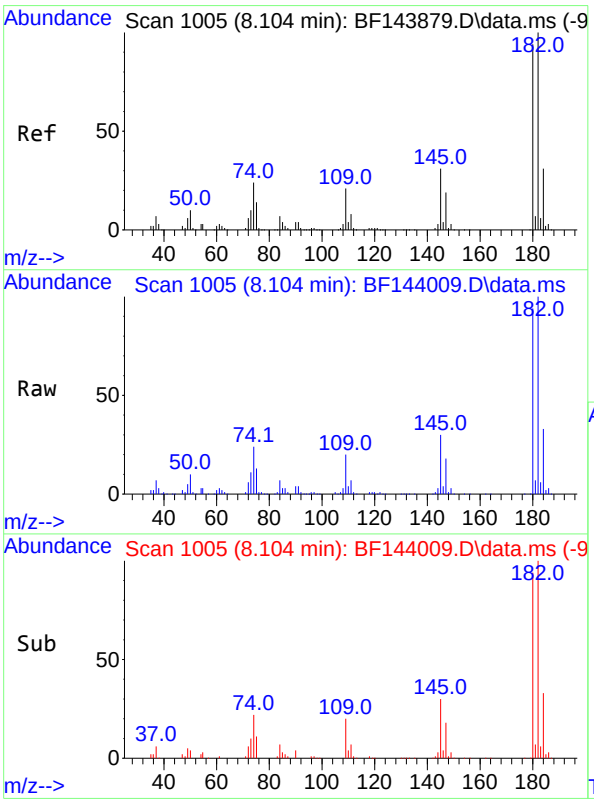
#29
2,4-Dichlorophenol
Concen: 40.12 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 284947

Ion	Ratio	Lower	Upper
162	100		
164	64.1	43.9	83.9
98	35.3	14.4	54.4

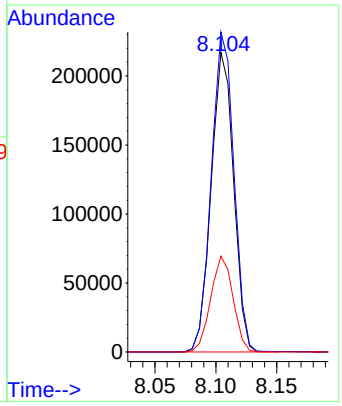


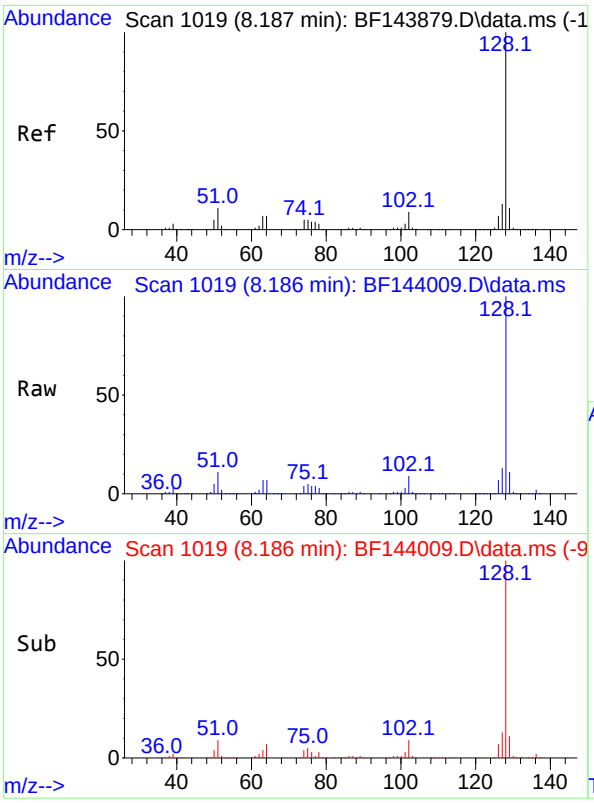


#30
1,2,4-Trichlorobenzene
Concen: 39.93 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:180 Resp: 278910

Ion	Ratio	Lower	Upper
180	100		
182	106.8	85.4	128.0
145	32.0	26.3	39.5



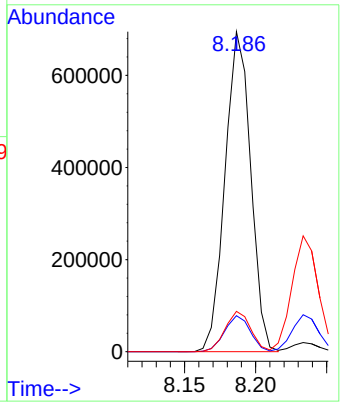


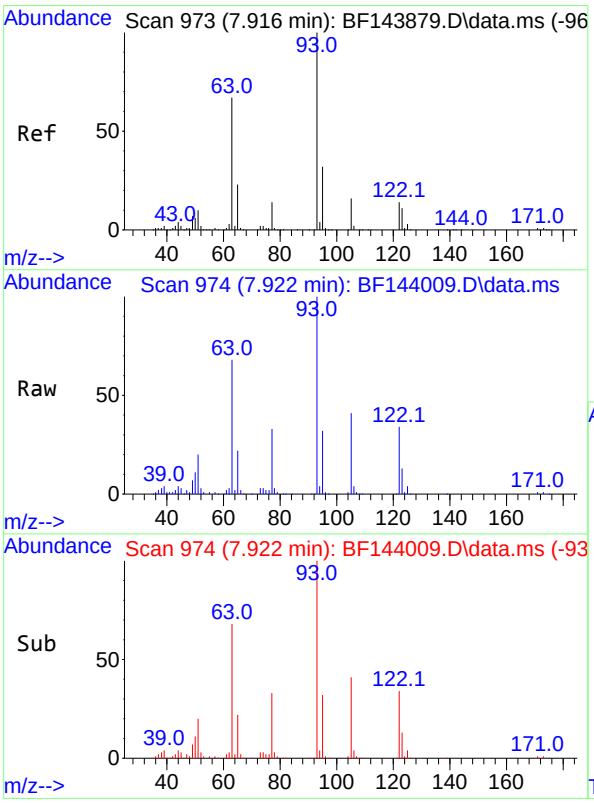
#31
Naphthalene
Concen: 39.67 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 872696

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.7	13.1
127	12.6	10.0	15.0

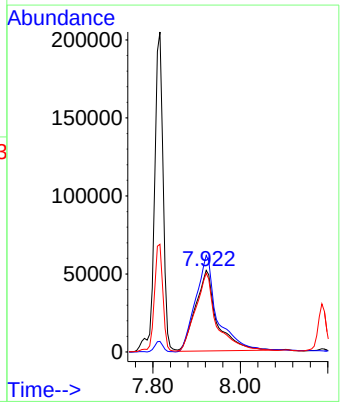


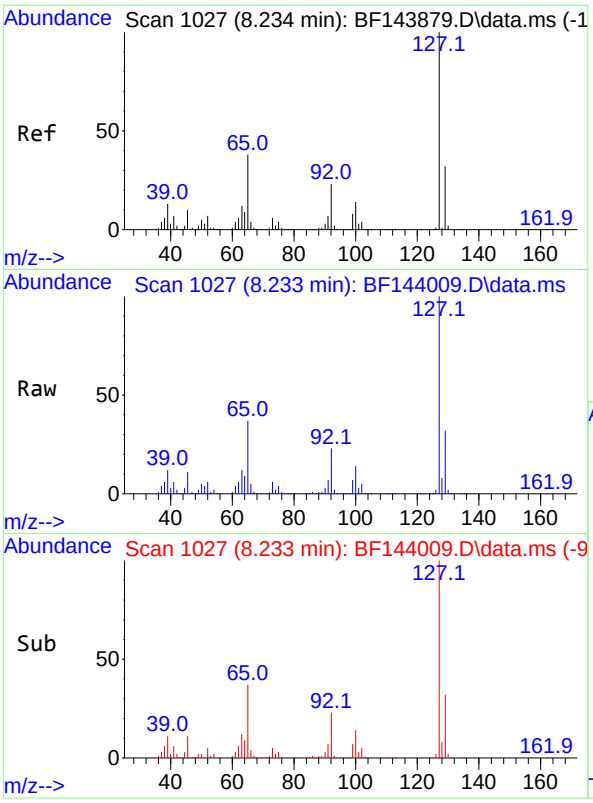


#32
Benzoic acid
Concen: 37.57 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.041 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:122 Resp: 177272

Ion	Ratio	Lower	Upper
122	100		
105	118.3	93.5	133.5
77	96.6	76.3	116.3



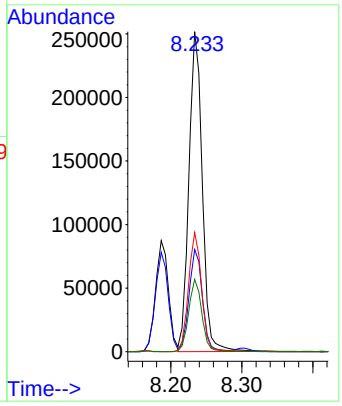


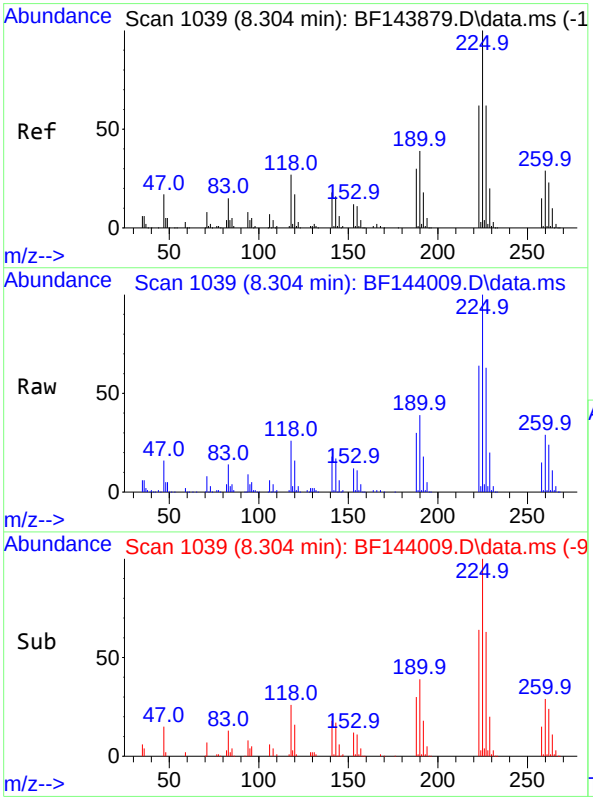
#33
4-Chloroaniline
Concen: 39.99 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 329949

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.8	38.8
65	37.2	30.0	45.0
92	22.6	18.2	27.2

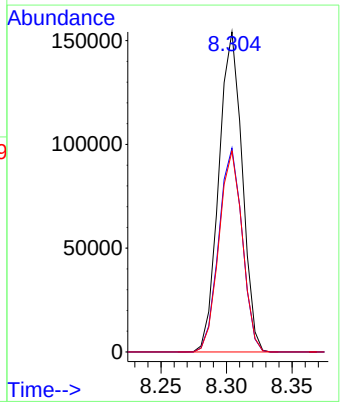


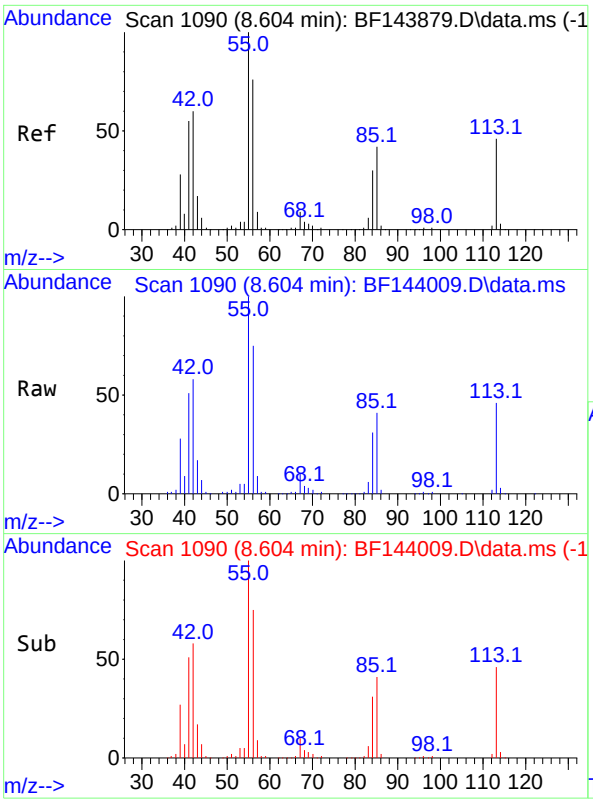


#34
Hexachlorobutadiene
Concen: 39.35 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:225 Resp: 190984

Ion	Ratio	Lower	Upper
225	100		
223	63.7	49.4	74.2
227	62.7	49.7	74.5



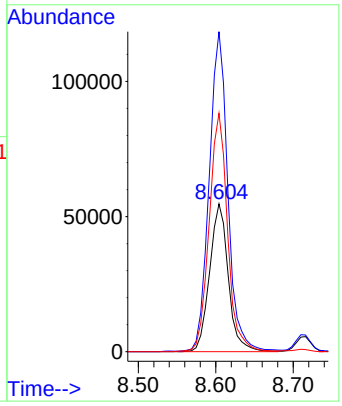


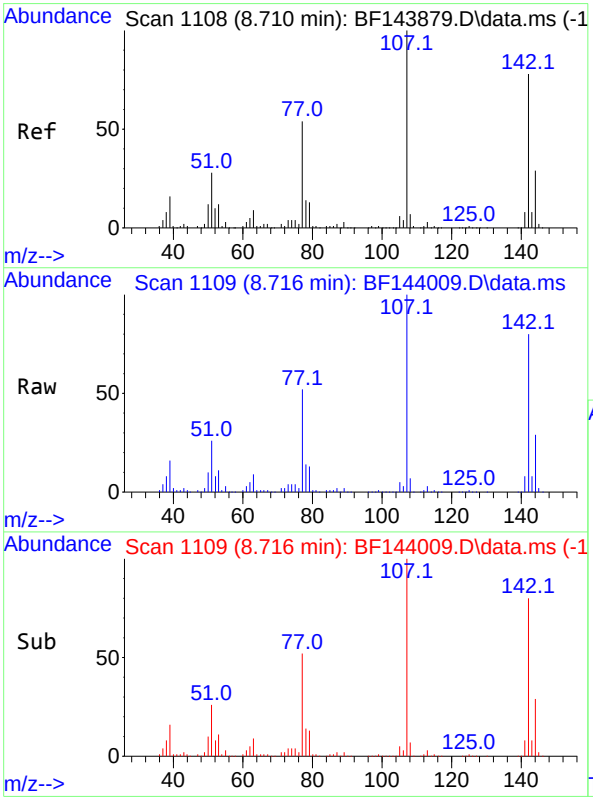
#35
Caprolactam
Concen: 40.57 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 91608

Ion	Ratio	Lower	Upper
113	100		
55	216.4	199.6	239.6
56	161.3	146.0	186.0

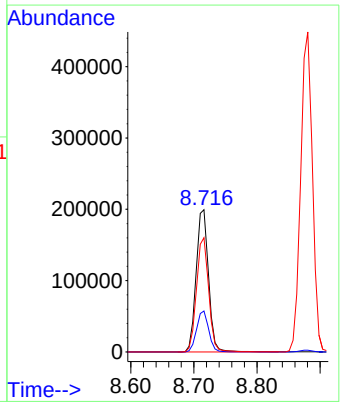


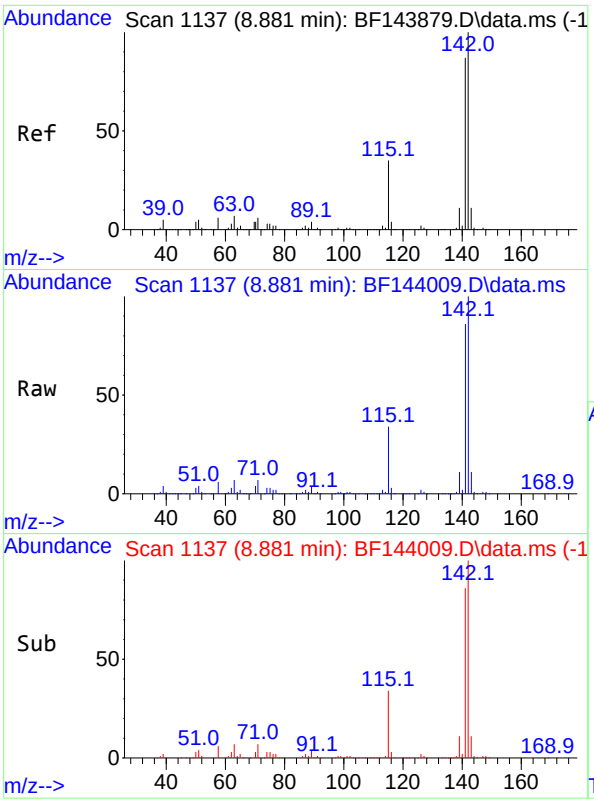


#36
4-Chloro-3-methylphenol
Concen: 39.78 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:107 Resp: 271348

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.1	34.7
142	80.4	62.6	94.0



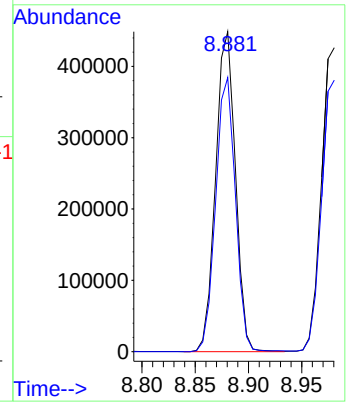


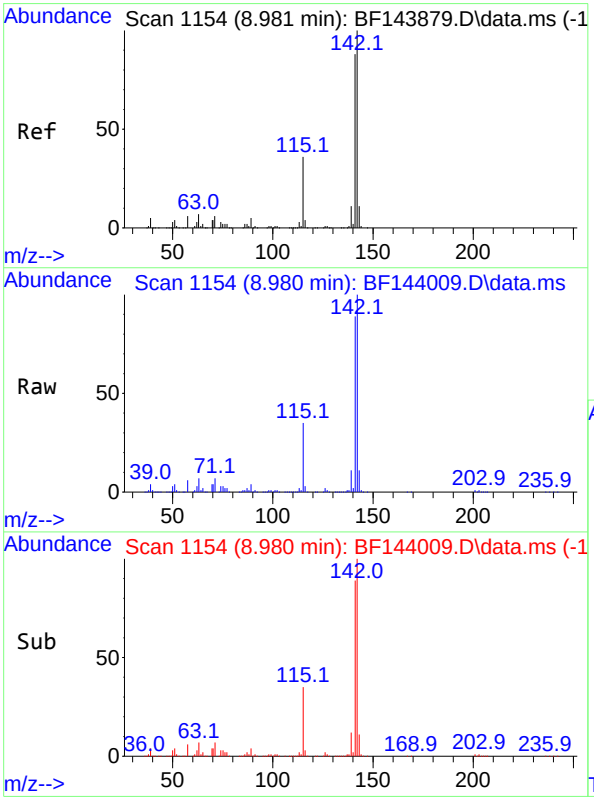
#37
2-Methylnaphthalene
Concen: 39.55 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 579595

Ion	Ratio	Lower	Upper
142	100		
141	85.6	69.2	103.8

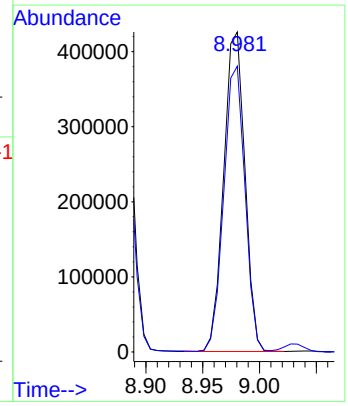


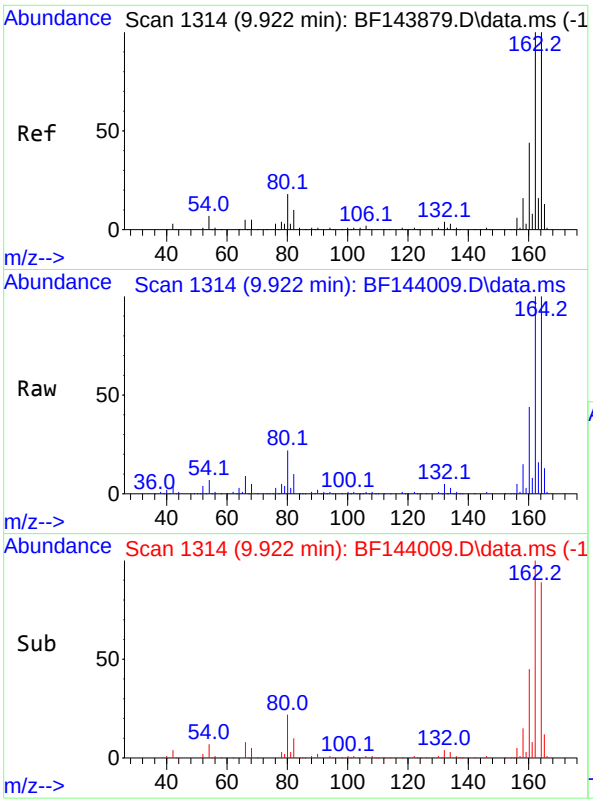


#38
1-Methylnaphthalene
Concen: 39.00 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:142 Resp: 554429

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2



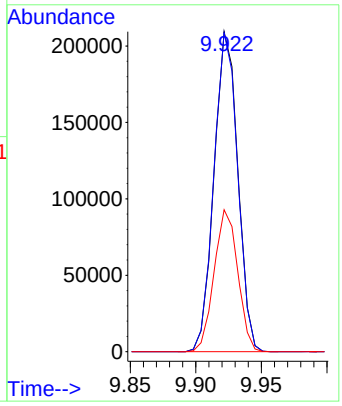


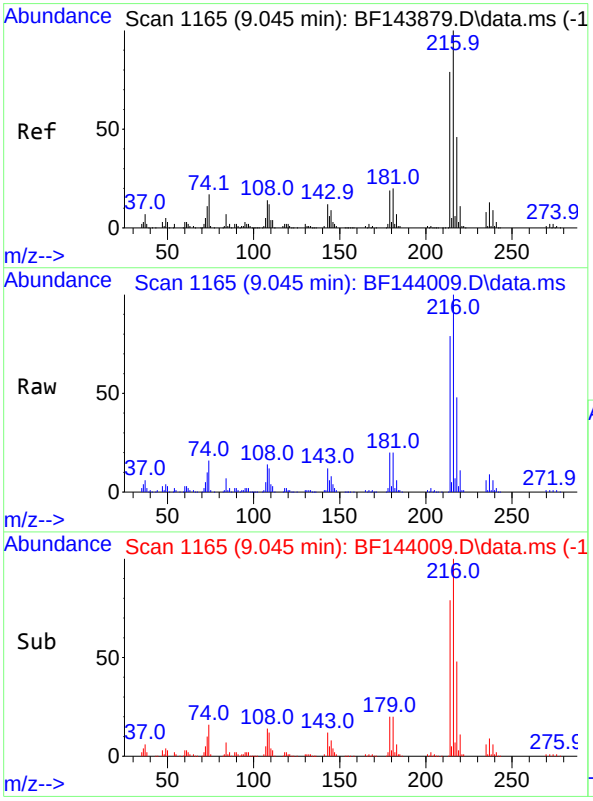
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 263342

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.2	120.2
160	44.4	35.4	53.0

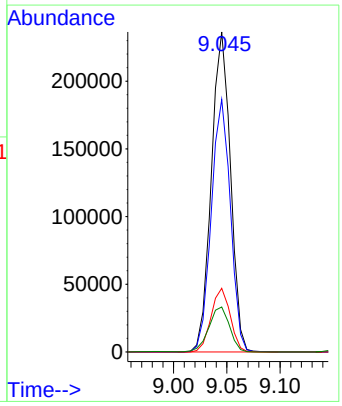


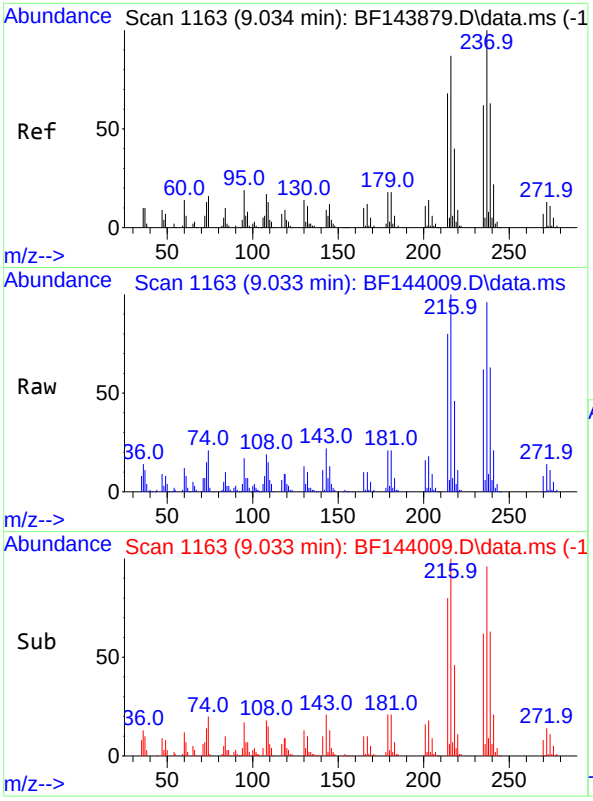


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.44 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:216 Resp: 294341

Ion	Ratio	Lower	Upper
216	100		
214	79.0	62.6	94.0
179	19.9	15.4	23.0
108	15.3	12.0	18.0



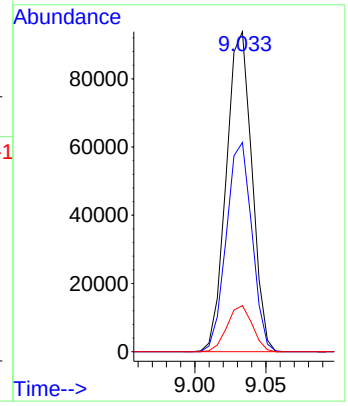


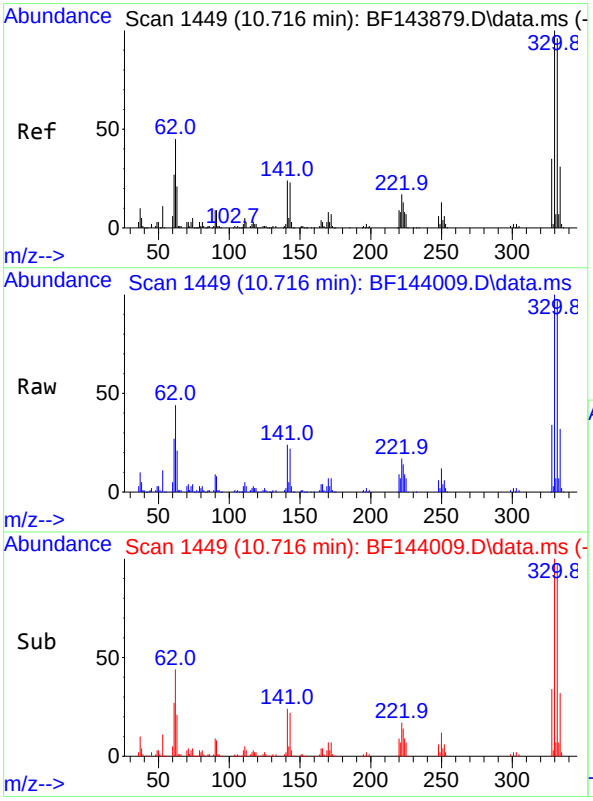
#41
Hexachlorocyclopentadiene
Concen: 38.99 ng
RT: 9.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 117733

Ion	Ratio	Lower	Upper
237	100		
235	65.4	42.3	82.3
272	14.4	0.0	33.1

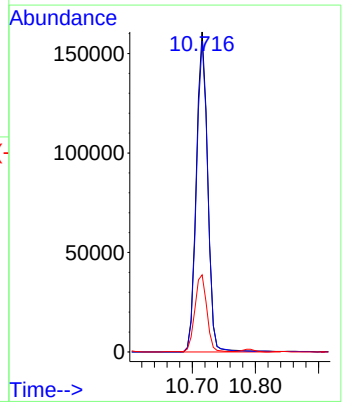


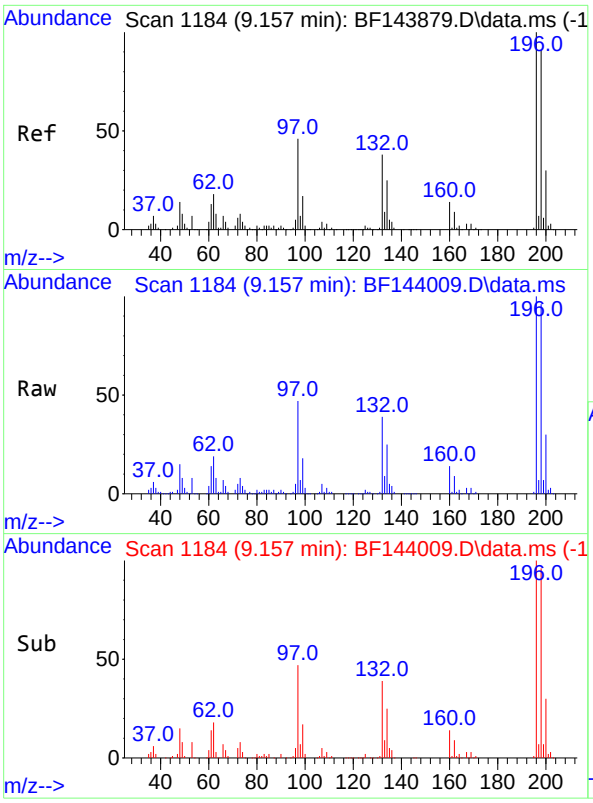


#42
2,4,6-Tribromophenol
Concen: 76.64 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:330 Resp: 201018

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	25.1	20.2	30.4



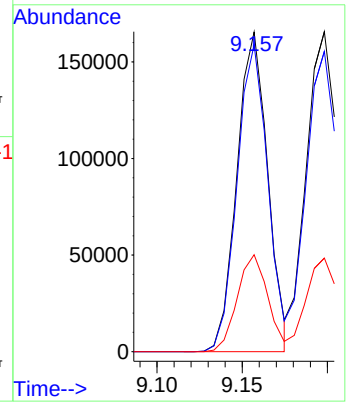


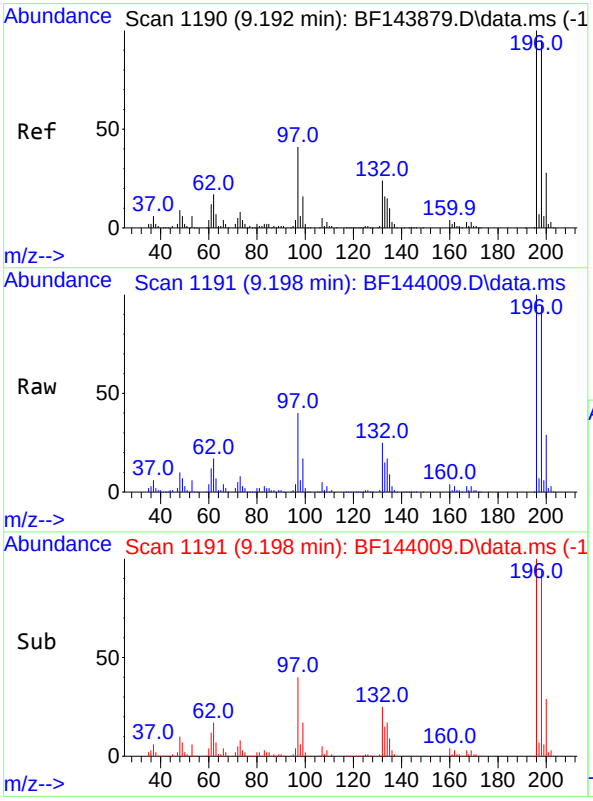
#43
2,4,6-Trichlorophenol
Concen: 39.06 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 207739

Ion	Ratio	Lower	Upper
196	100		
198	96.1	72.8	109.2
200	30.4	24.0	36.0

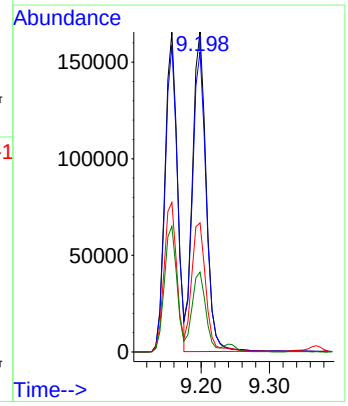


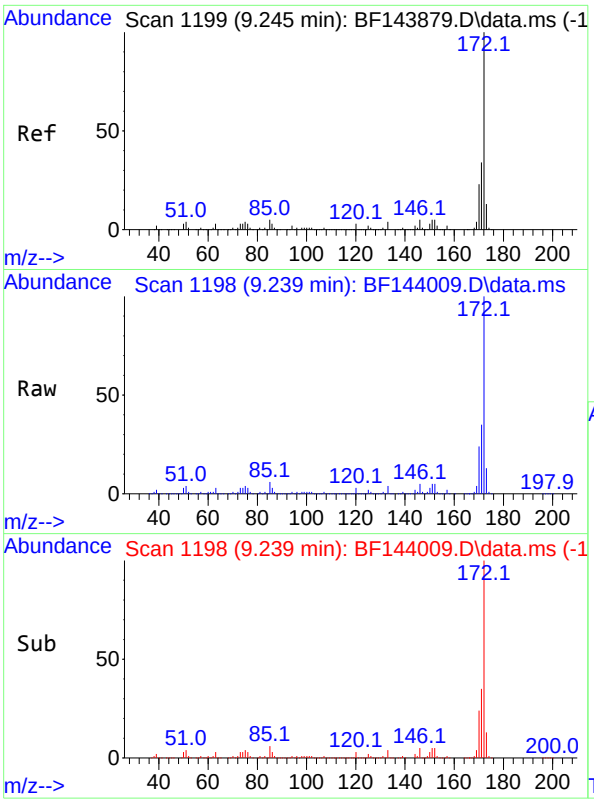


#44
2,4,5-Trichlorophenol
Concen: 40.50 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:196 Resp: 227628

Ion	Ratio	Lower	Upper
196	100		
198	93.9	75.5	113.3
97	40.4	33.9	50.9
132	24.9	20.0	30.0



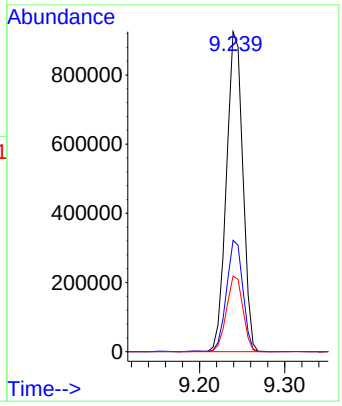


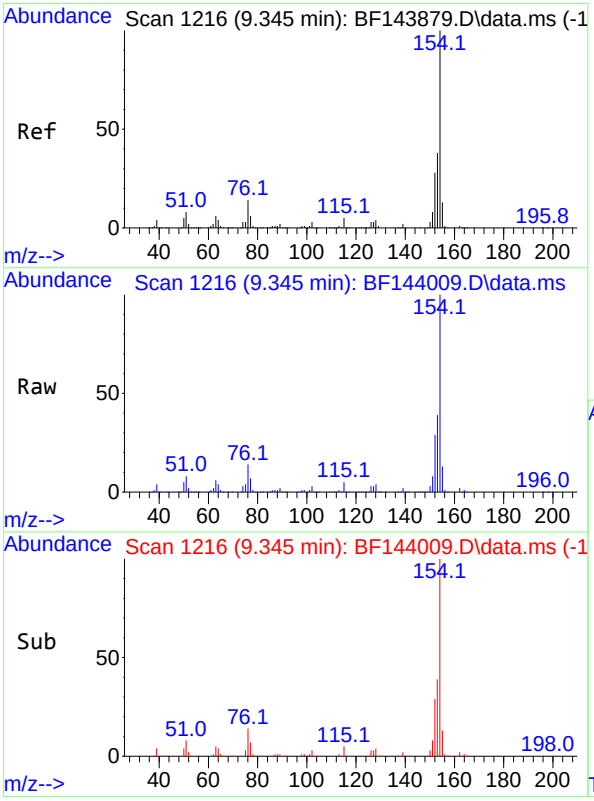
#45
2-Fluorobiphenyl
Concen: 74.52 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1236786

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.6	18.6	28.0

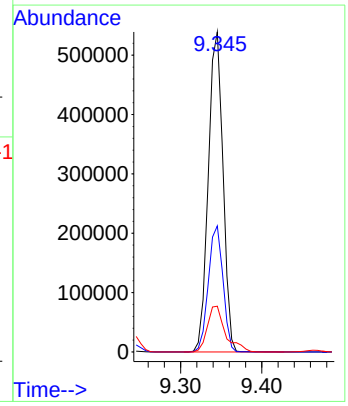


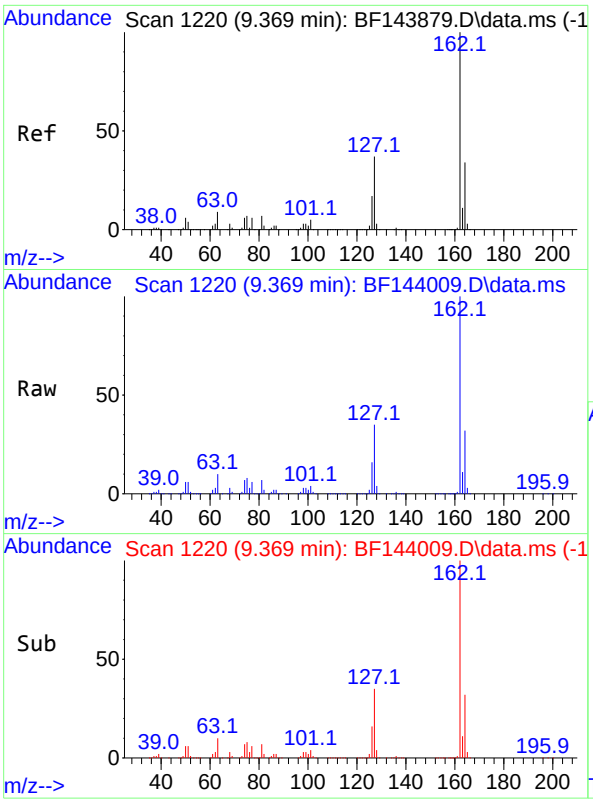


#46
1,1'-Biphenyl
Concen: 38.75 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:154 Resp: 675634

Ion	Ratio	Lower	Upper
154	100		
153	39.4	18.4	58.4
76	14.3	0.0	34.0



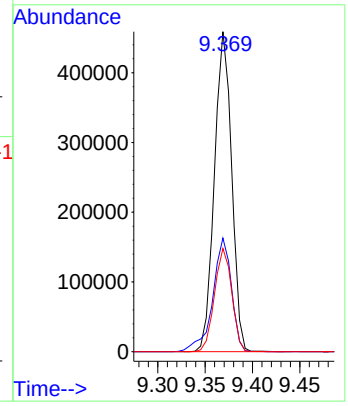


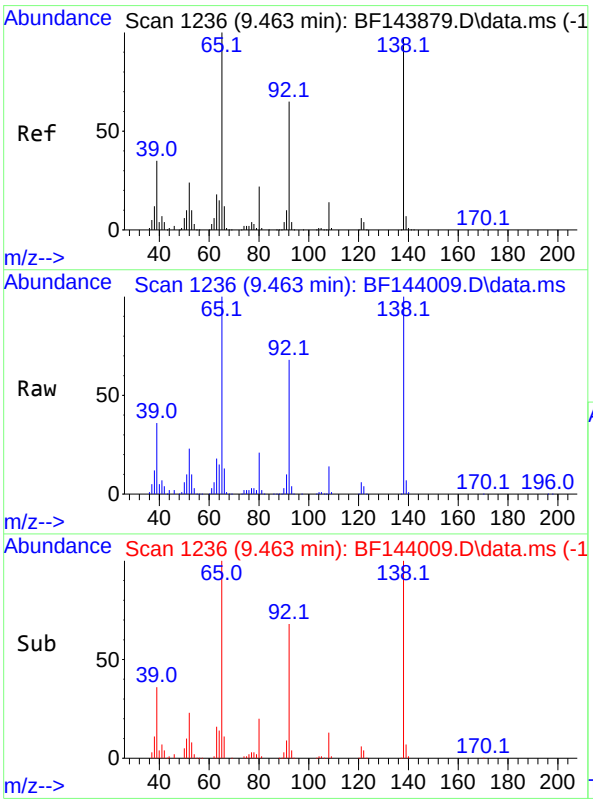
#47
2-Chloronaphthalene
Concen: 39.83 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 579022

Ion	Ratio	Lower	Upper
162	100		
127	35.5	30.2	45.2
164	32.2	26.9	40.3

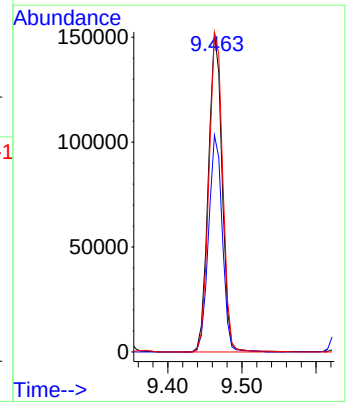


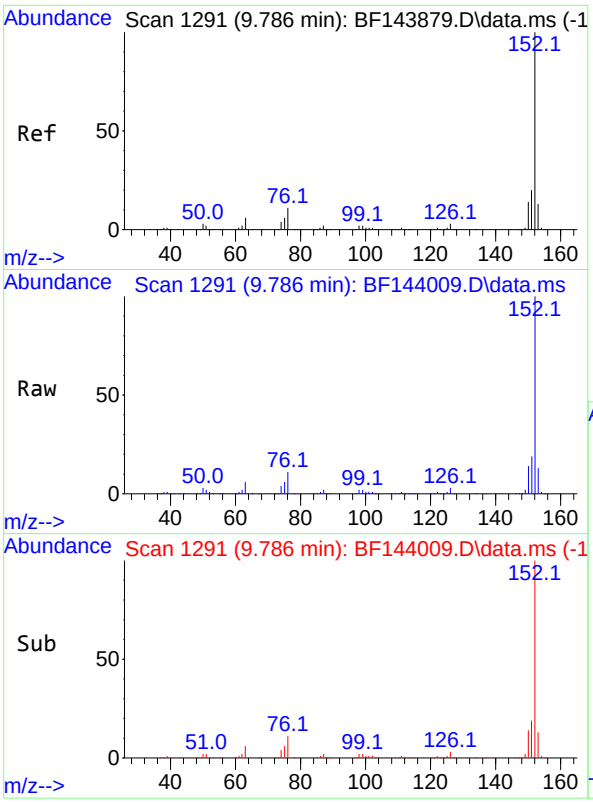


#48
2-Nitroaniline
Concen: 42.59 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion: 65 Resp: 195755

Ion	Ratio	Lower	Upper
65	100		
92	67.7	52.1	78.1
138	99.9	77.4	116.2



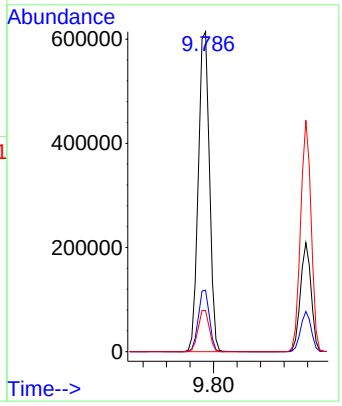


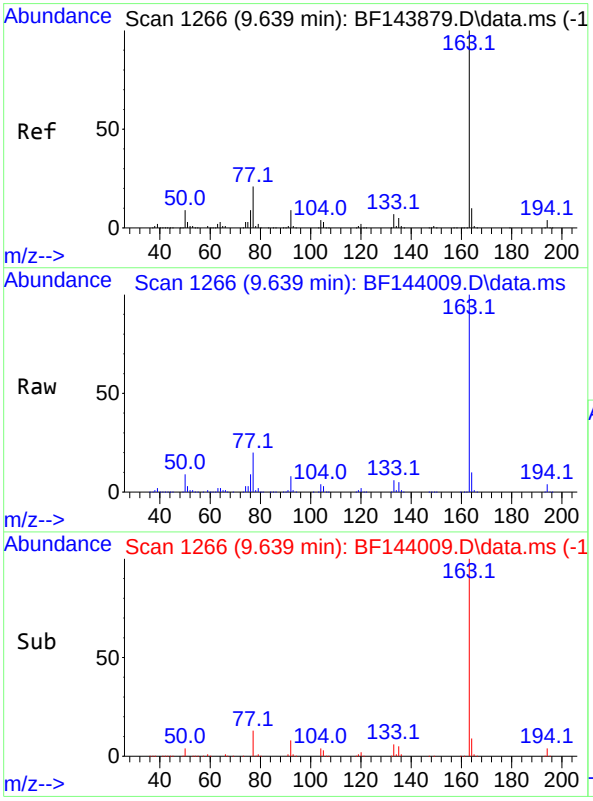
#49
Acenaphthylene
Concen: 39.46 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 806476

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	12.9	10.5	15.7

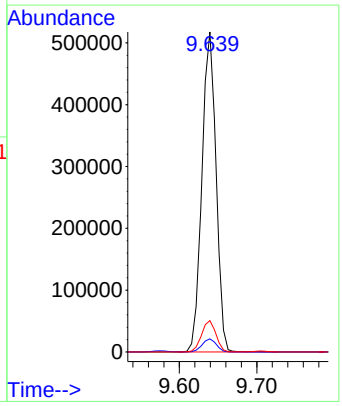


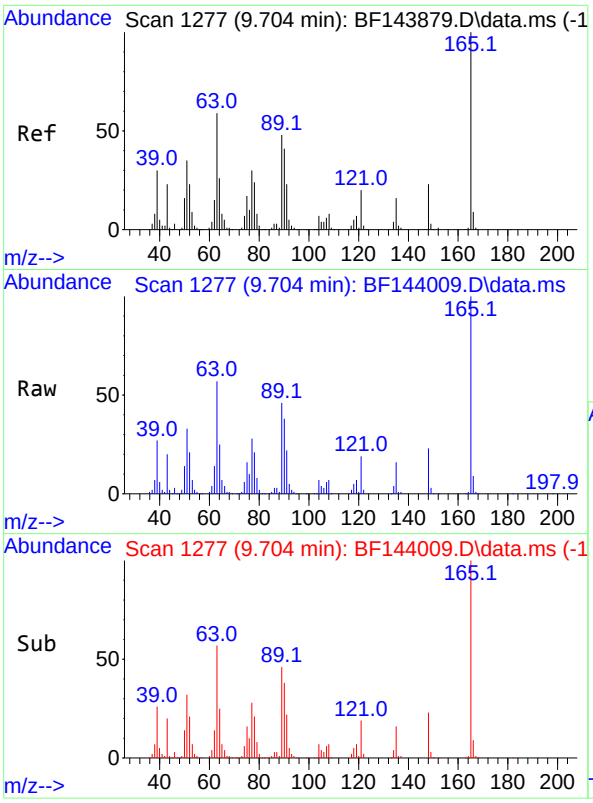


#50
Dimethylphthalate
Concen: 39.24 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:163 Resp: 656275

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	9.8	8.1	12.1



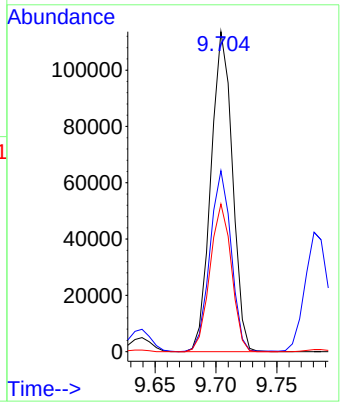


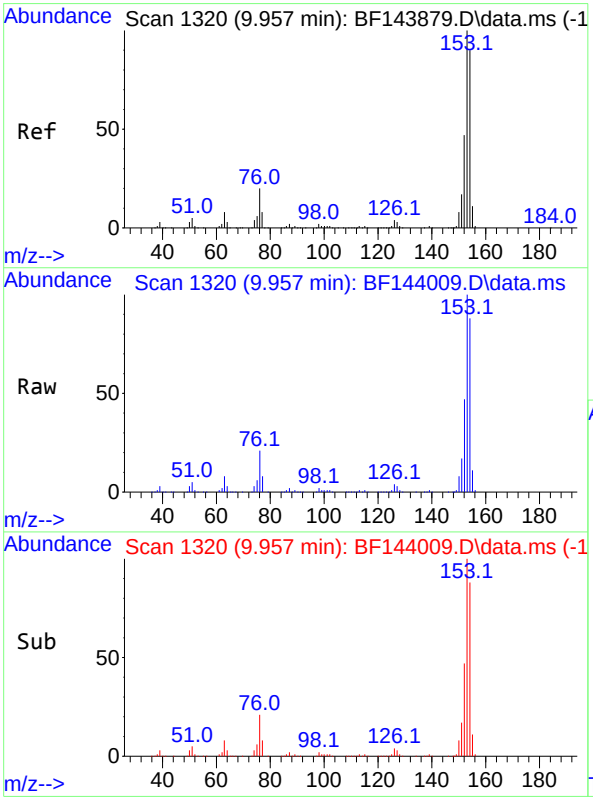
#51
2,6-Dinitrotoluene
Concen: 44.99 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 139509

Ion	Ratio	Lower	Upper
165	100		
63	56.6	47.3	70.9
89	46.1	38.2	57.4

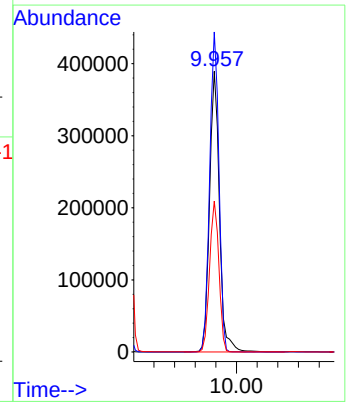


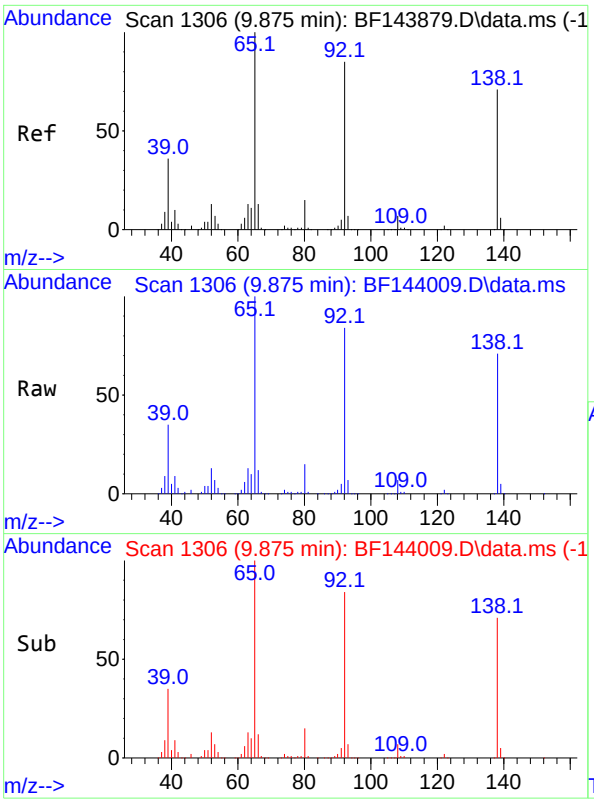


#52
Acenaphthene
Concen: 38.55 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:154 Resp: 516301

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.3	133.9
152	53.8	42.2	63.2



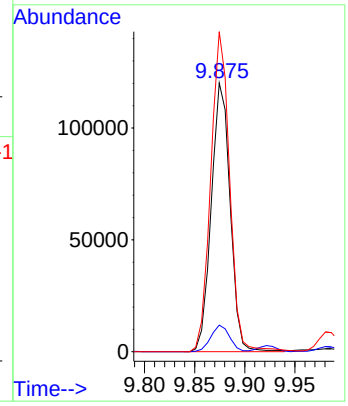


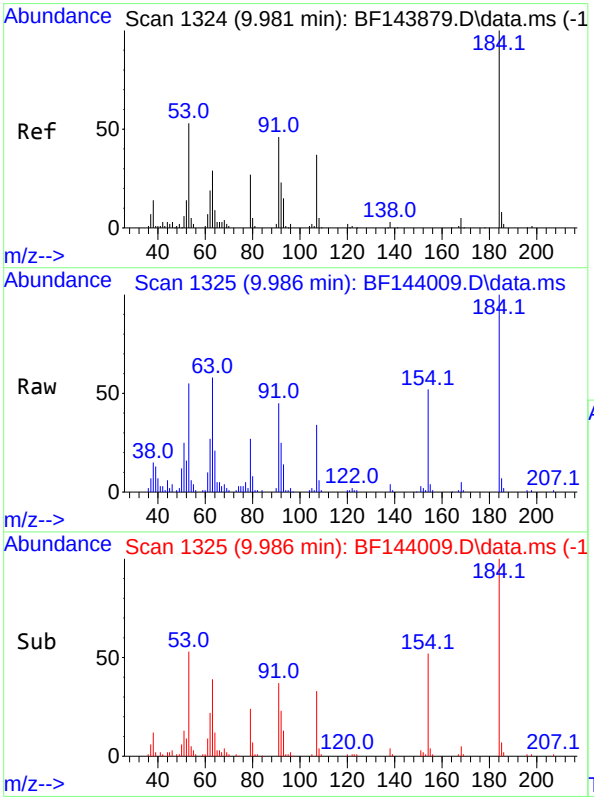
#53
3-Nitroaniline
Concen: 41.46 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 157431

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.3	12.5
92	119.1	96.2	144.2

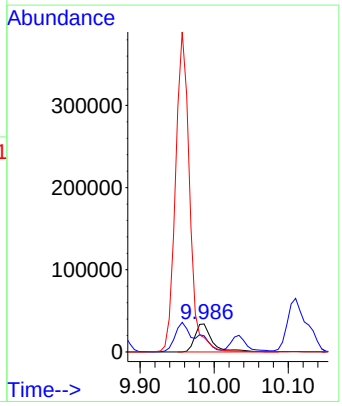


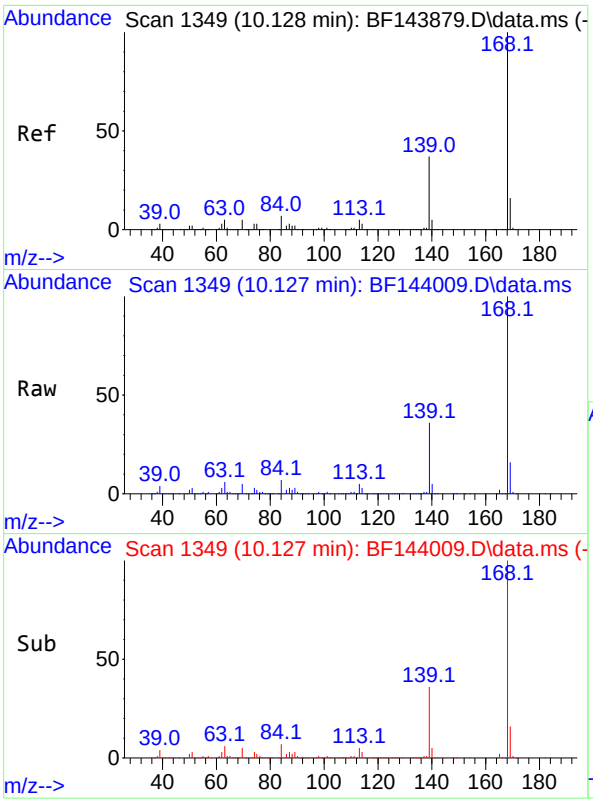


#54
2,4-Dinitrophenol
Concen: 33.42 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:184 Resp: 55464

Ion	Ratio	Lower	Upper
184	100		
63	57.6	48.2	72.4
154	52.2	49.2	73.8



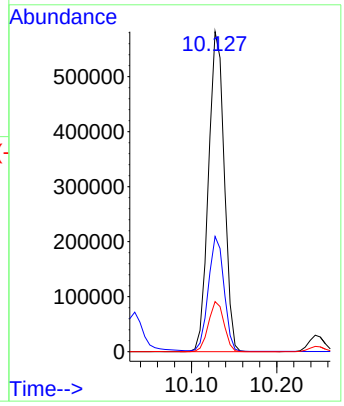


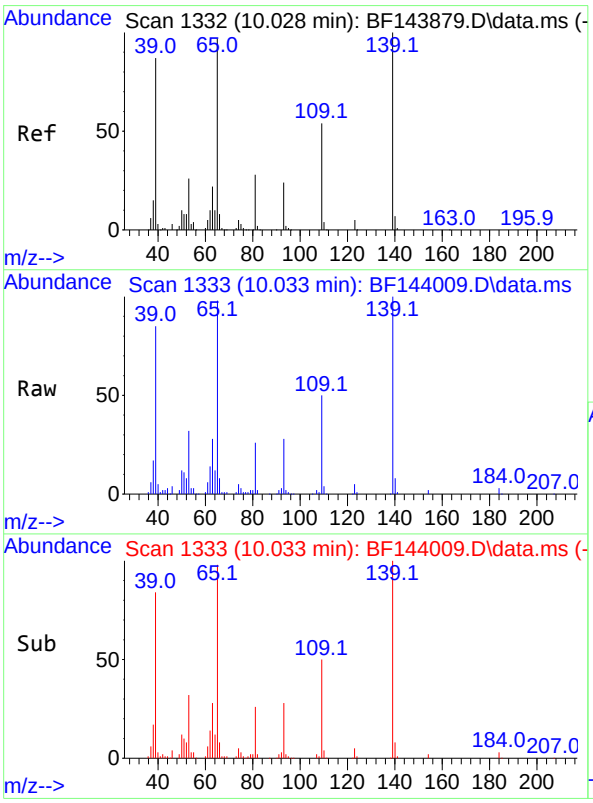
#55
Dibenzofuran
Concen: 39.36 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 744098

Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.8	44.8
169	15.6	12.8	19.2

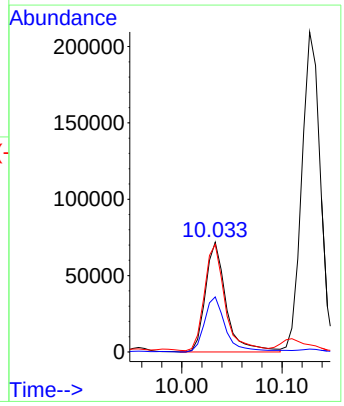


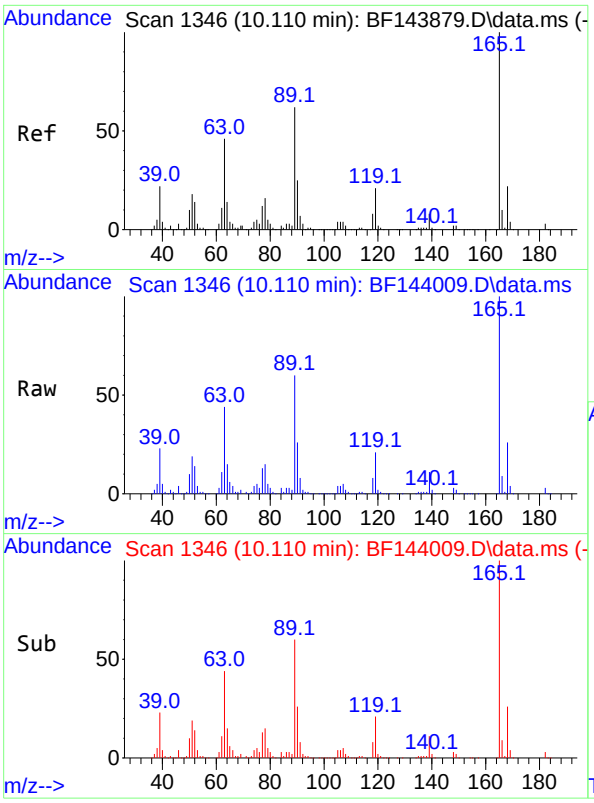


#56
4-Nitrophenol
Concen: 36.03 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:139 Resp: 103581

Ion	Ratio	Lower	Upper
139	100		
109	50.1	34.5	74.5
65	98.0	77.6	117.6



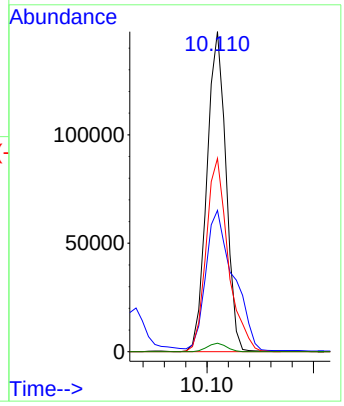


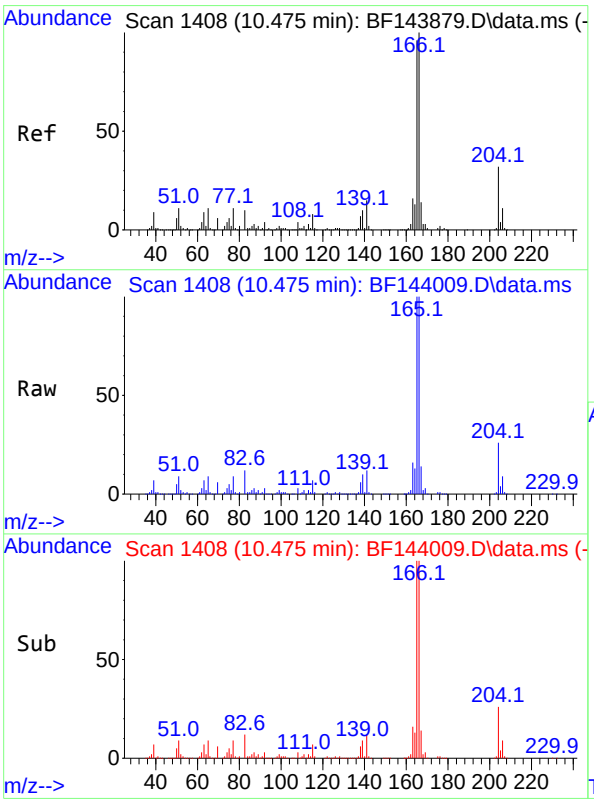
#57
2,4-Dinitrotoluene
Concen: 43.65 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 184180

Ion	Ratio	Lower	Upper
165	100		
63	44.2	37.2	55.8
89	60.4	49.4	74.2
182	2.6	2.1	3.1

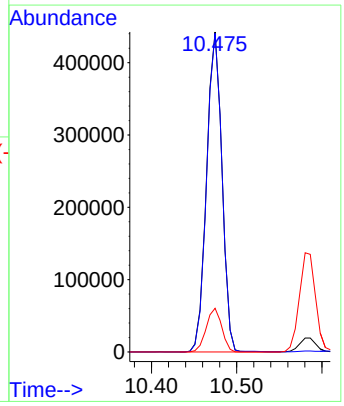


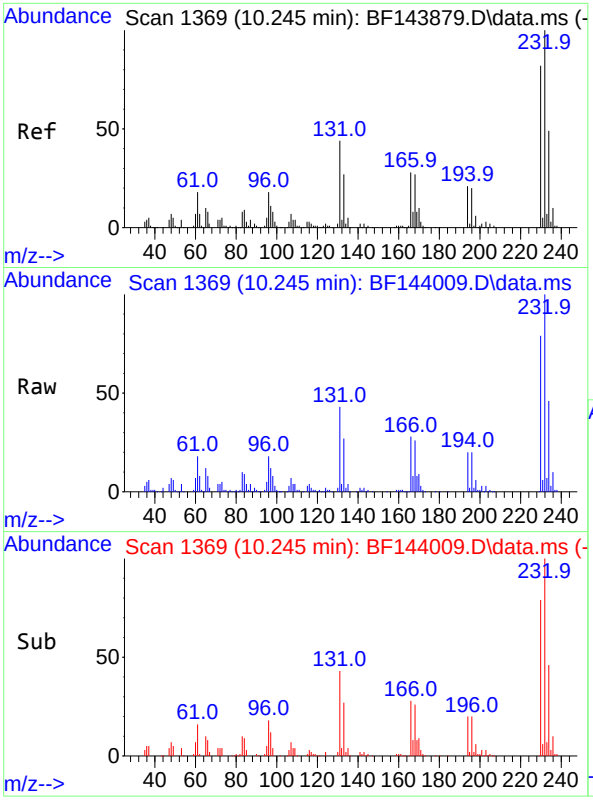


#58
Fluorene
Concen: 38.86 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:166 Resp: 554334

Ion	Ratio	Lower	Upper
166	100		
165	99.6	77.0	115.6
167	13.6	11.1	16.7



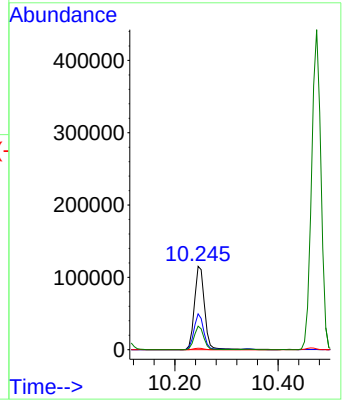


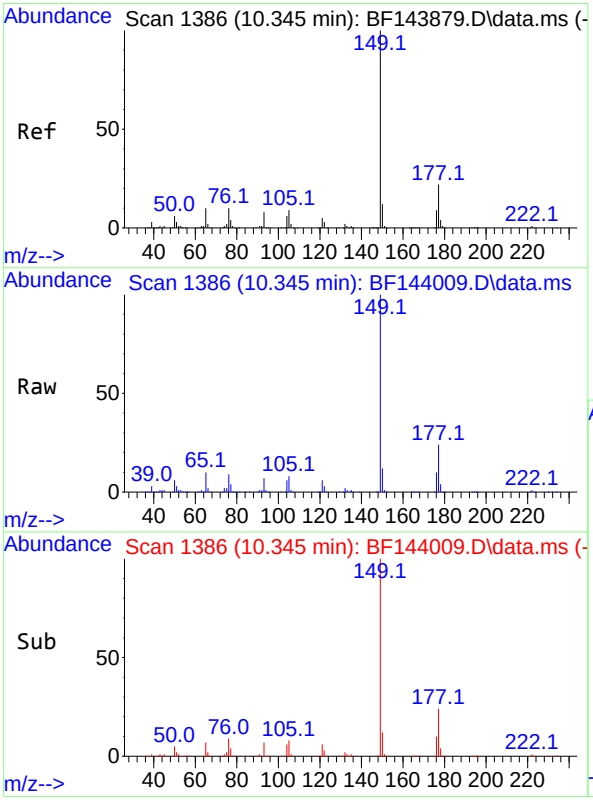
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.55 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 157324

Ion	Ratio	Lower	Upper
232	100		
131	41.1	34.9	52.3
130	1.6	1.6	2.4#
166	26.5	22.0	33.0

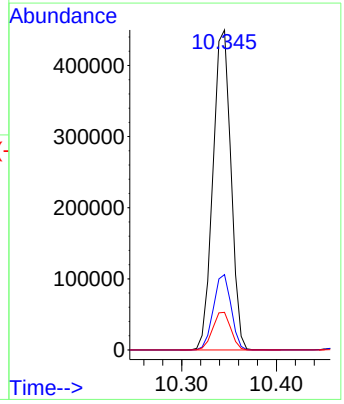


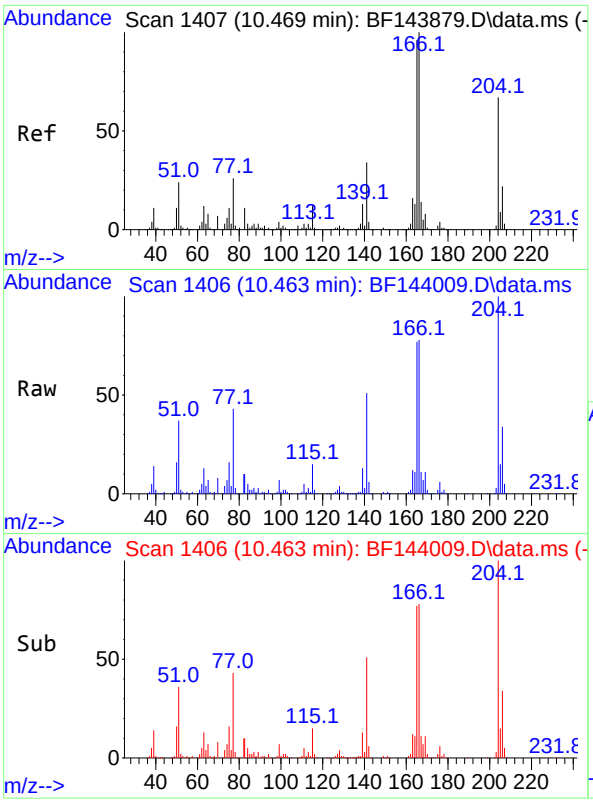


#60
Diethylphthalate
Concen: 38.20 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:149 Resp: 593454

Ion	Ratio	Lower	Upper
149	100		
177	23.6	17.9	26.9
150	11.7	9.8	14.8



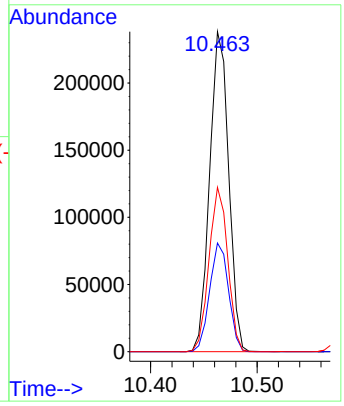


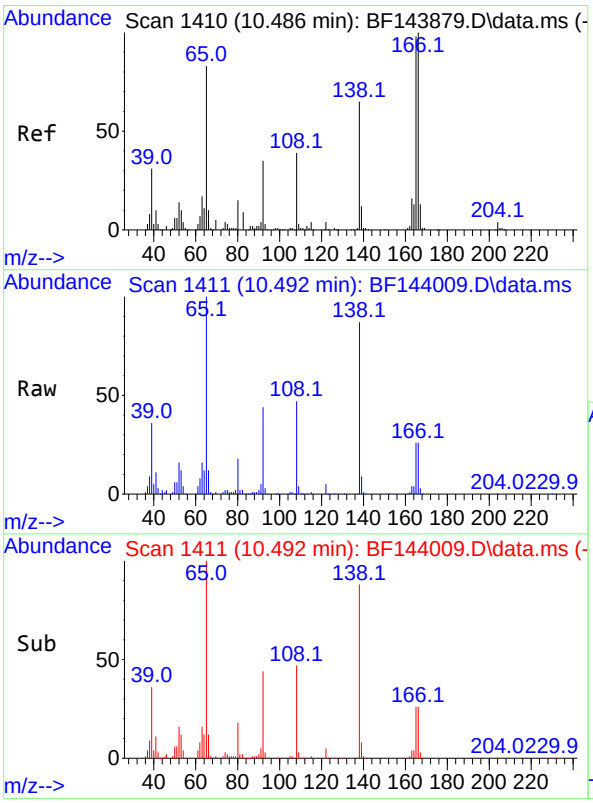
#61
4-Chlorophenyl-phenylether
Concen: 39.20 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 295638

Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.6	40.0
141	51.3	40.4	60.6

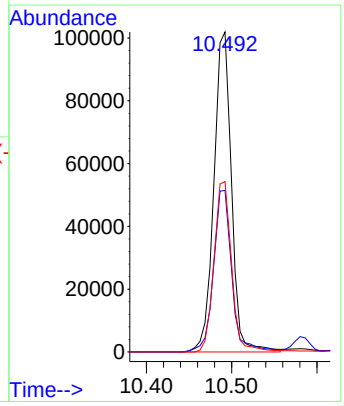


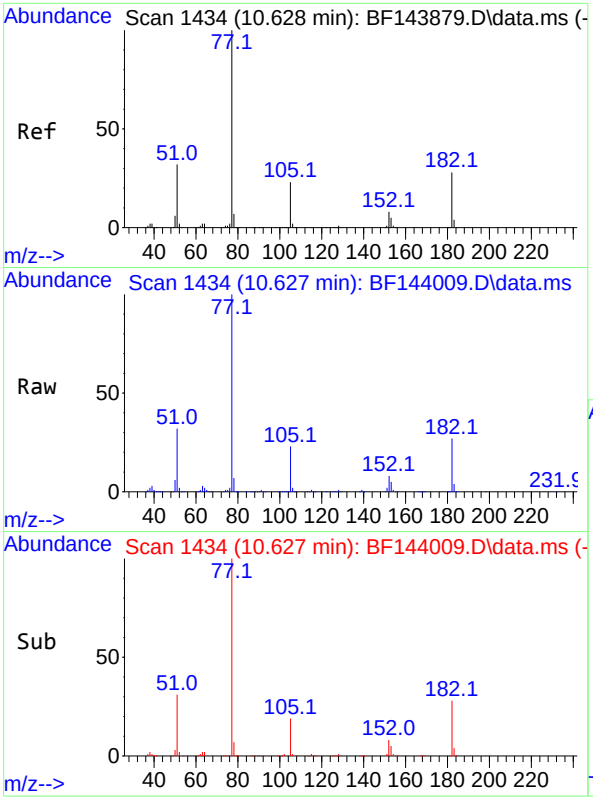


#62
4-Nitroaniline
Concen: 40.08 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:138 Resp: 146339

Ion	Ratio	Lower	Upper
138	100		
92	50.5	33.9	73.9
108	53.3	40.2	80.2



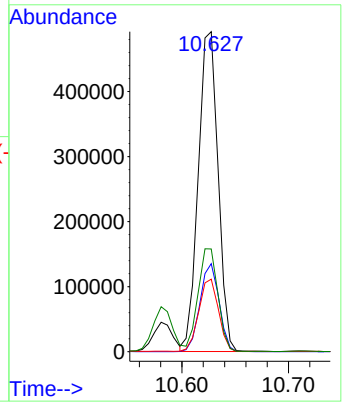


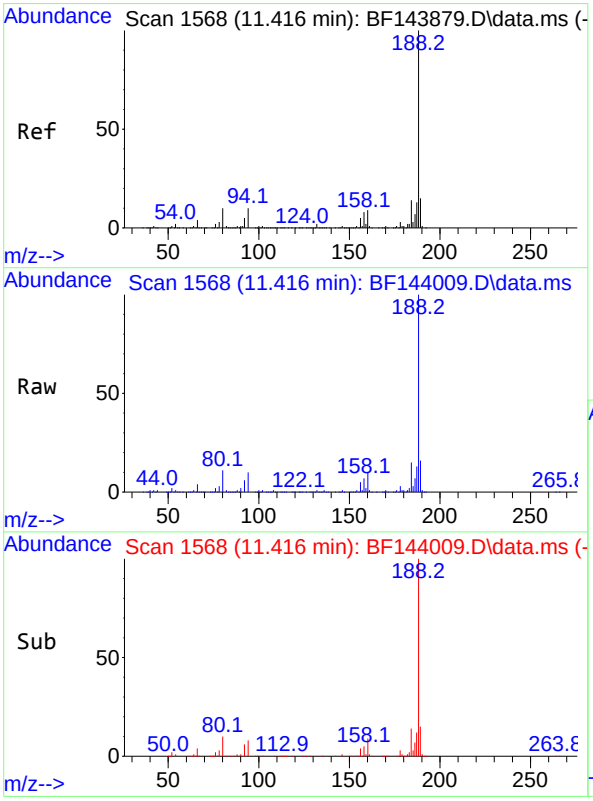
#63
Azobenzene
Concen: 39.26 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 637557

Ion	Ratio	Lower	Upper
77	100		
182	27.5	7.3	47.3
105	22.7	3.0	43.0
51	32.1	13.5	53.5

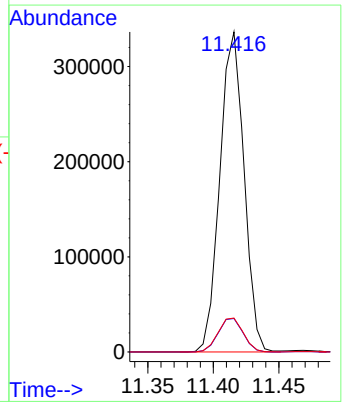


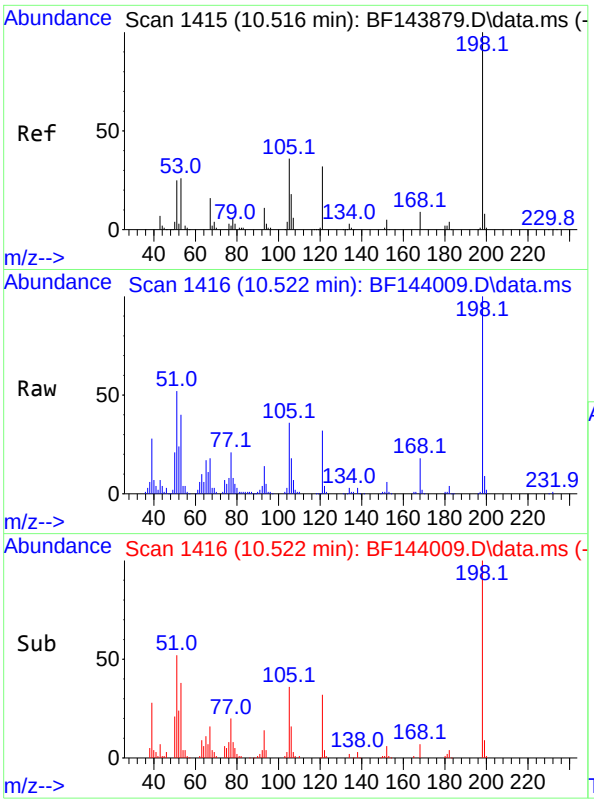


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:188 Resp: 430811

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	10.6	7.9	11.9



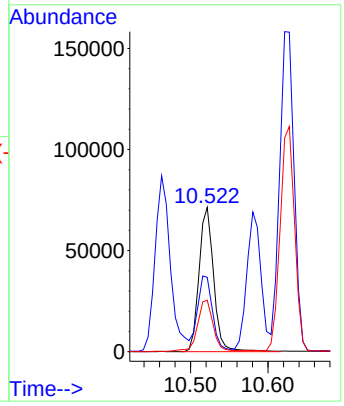


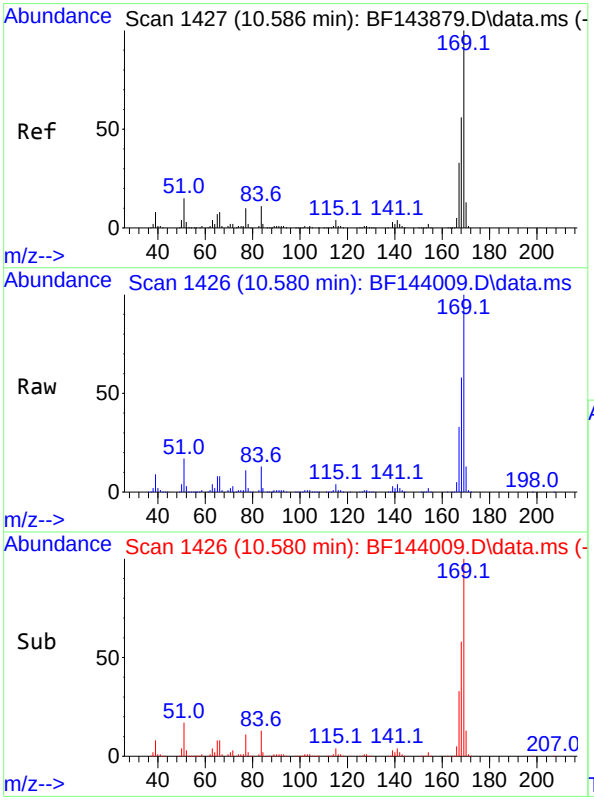
#65
4,6-Dinitro-2-methylphenol
Concen: 43.30 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 93751

Ion	Ratio	Lower	Upper
198	100		
51	51.6	33.8	73.8
105	35.7	17.0	57.0

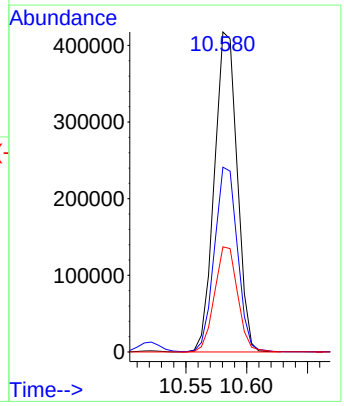


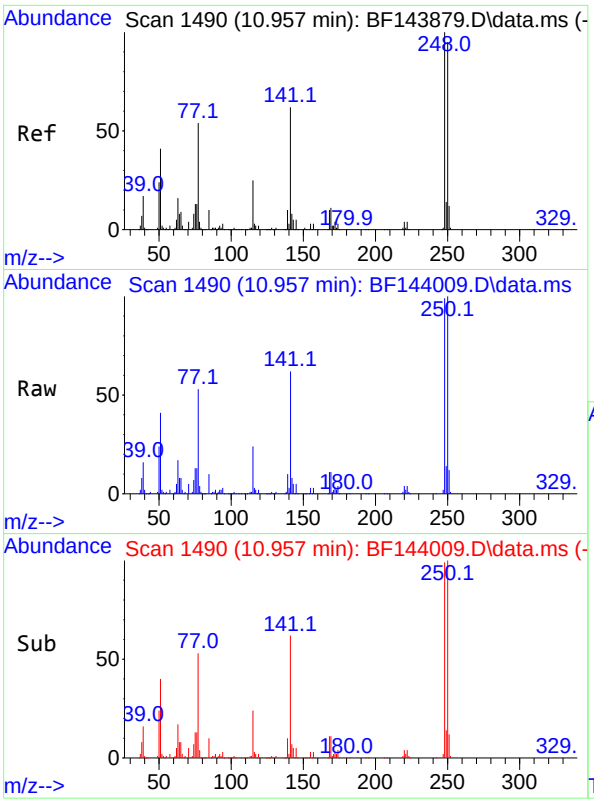


#66
n-Nitrosodiphenylamine
Concen: 40.25 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:169 Resp: 544516

Ion	Ratio	Lower	Upper
169	100		
168	57.8	44.9	67.3
167	32.9	26.3	39.5



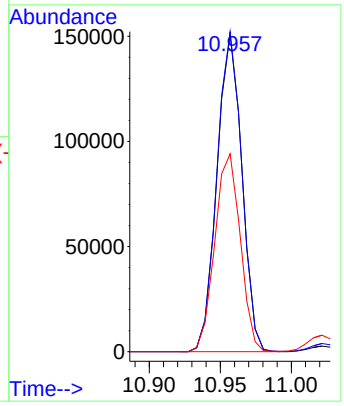


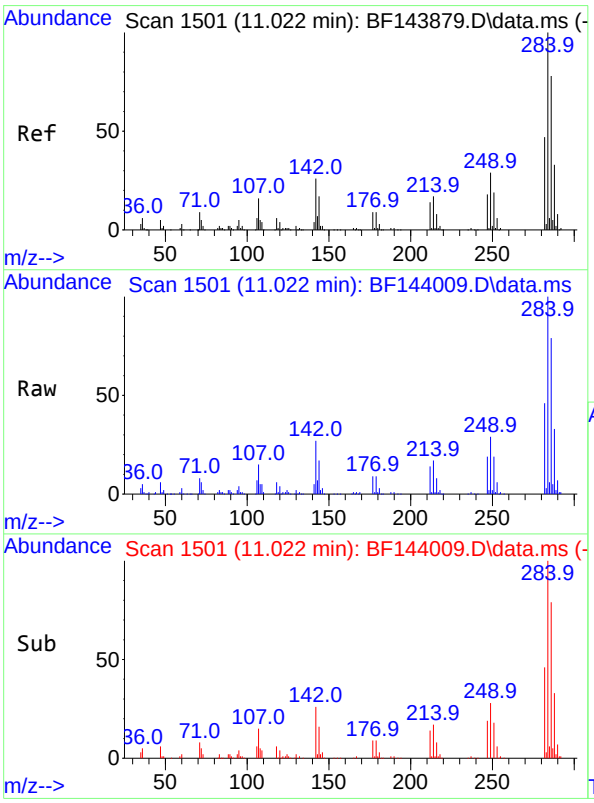
#67
4-Bromophenyl-phenylether
Concen: 38.56 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 183591

Ion	Ratio	Lower	Upper
248	100		
250	100.8	76.3	114.5
141	62.4	49.7	74.5

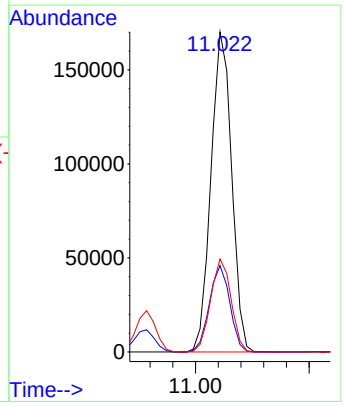


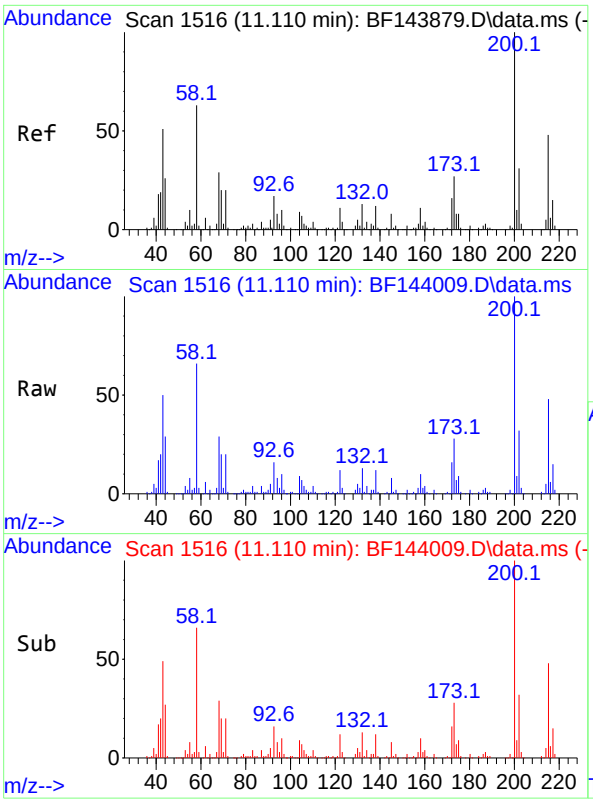


#68
Hexachlorobenzene
Concen: 38.98 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:284 Resp: 214871

Ion	Ratio	Lower	Upper
284	100		
142	27.0	20.6	30.8
249	29.1	23.2	34.8



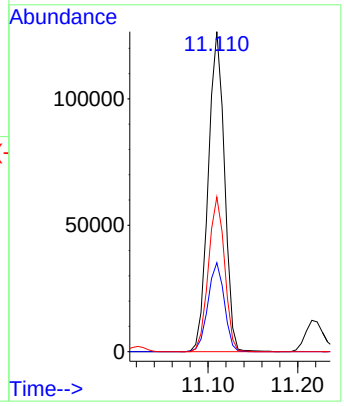


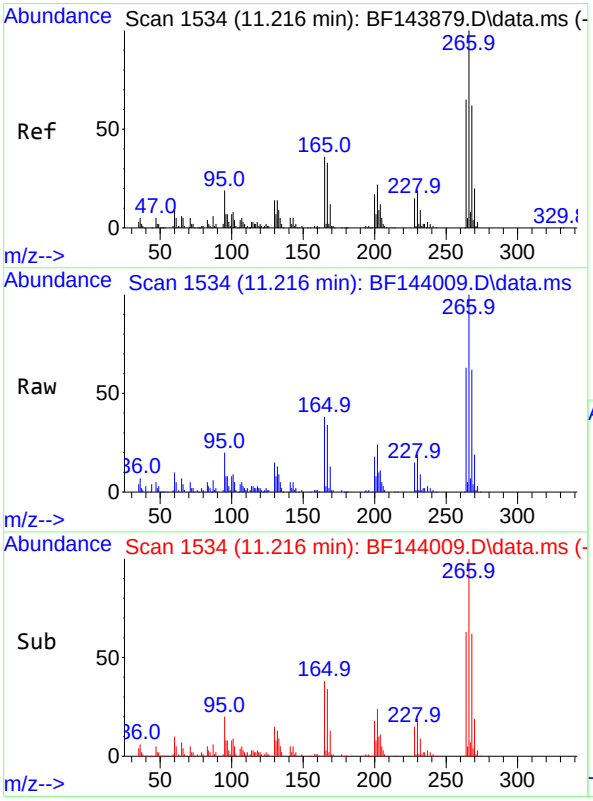
#69
Atrazine
Concen: 38.71 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 158713

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.0	47.0
215	48.3	27.8	67.8

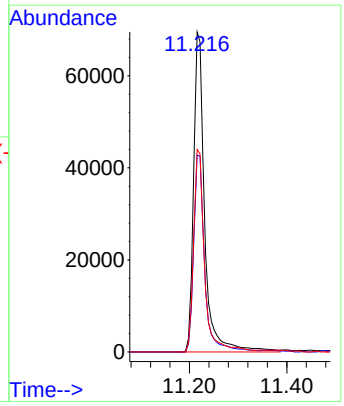


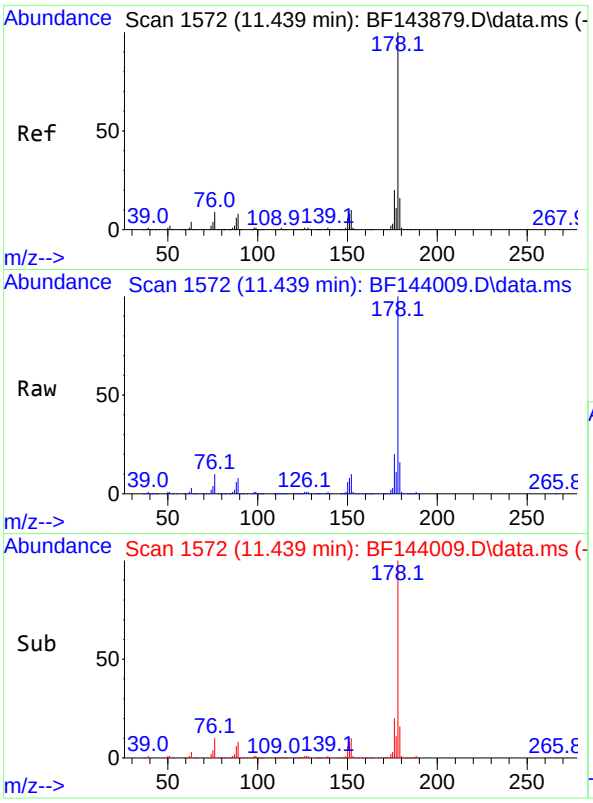


#70
Pentachlorophenol
Concen: 35.01 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:266 Resp: 110842

Ion	Ratio	Lower	Upper
266	100		
268	61.6	49.4	74.0
264	63.3	51.8	77.6



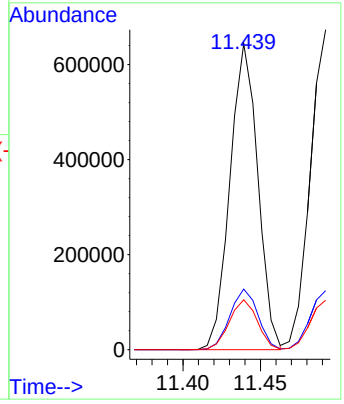


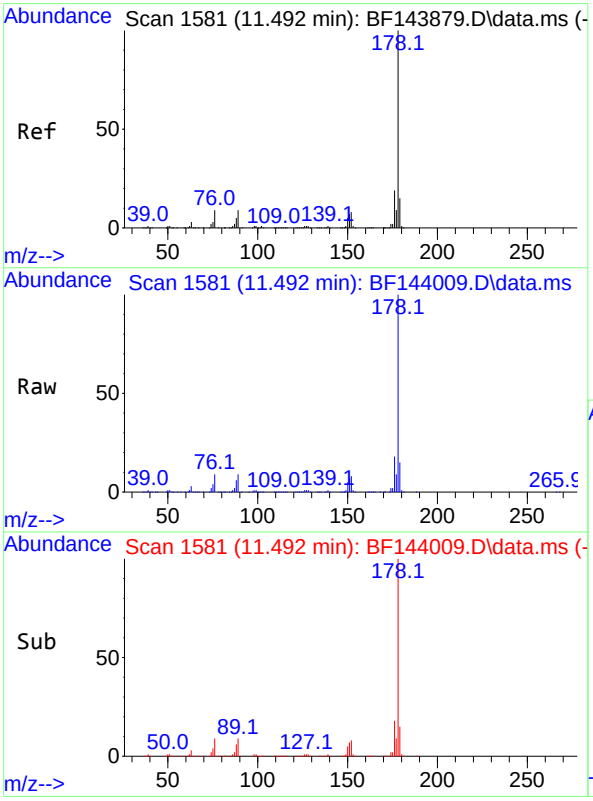
#71
Phenanthrene
Concen: 38.50 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 804054

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.3	12.4	18.6

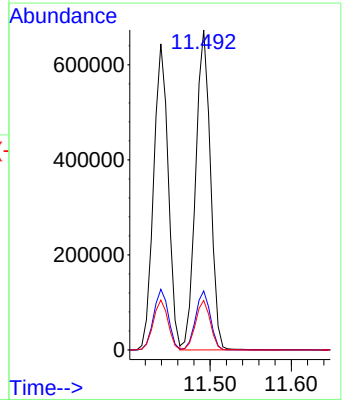


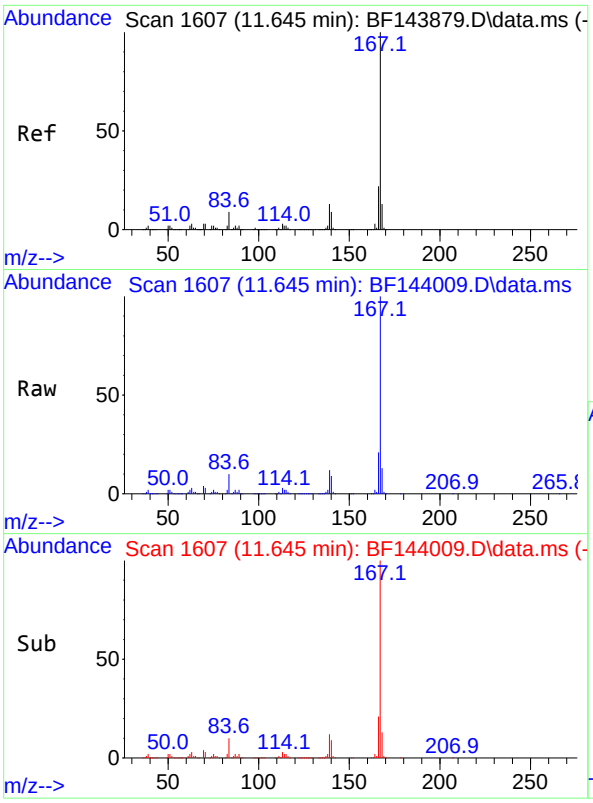


#72
Anthracene
Concen: 40.32 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:178 Resp: 850834

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.4	12.2	18.2



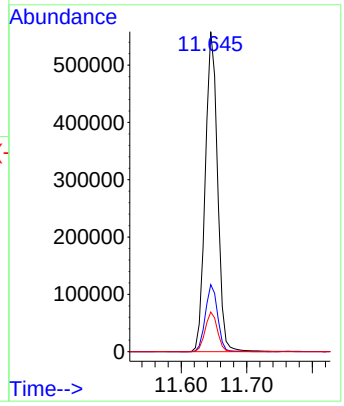


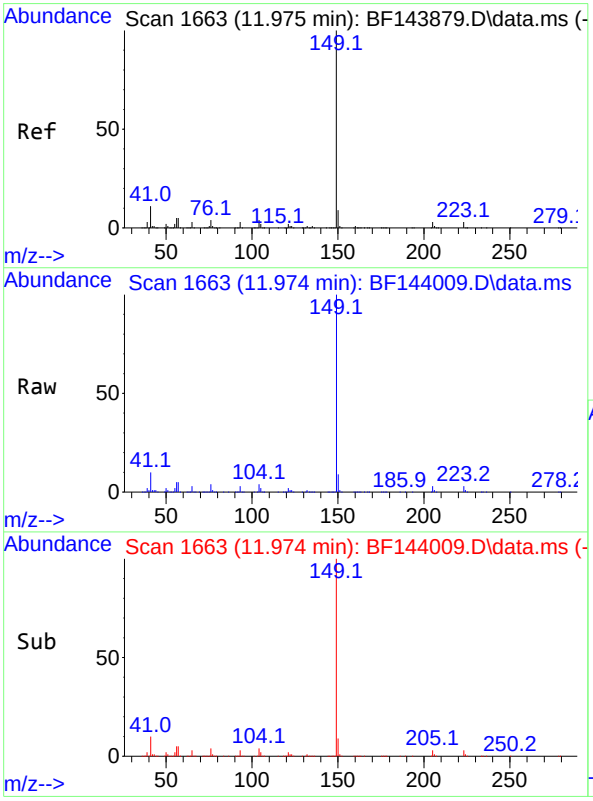
#73
Carbazole
Concen: 38.98 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 728491

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	12.4	10.1	15.1

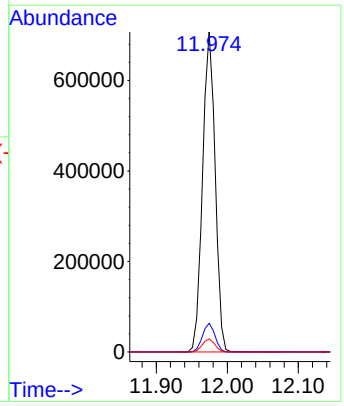


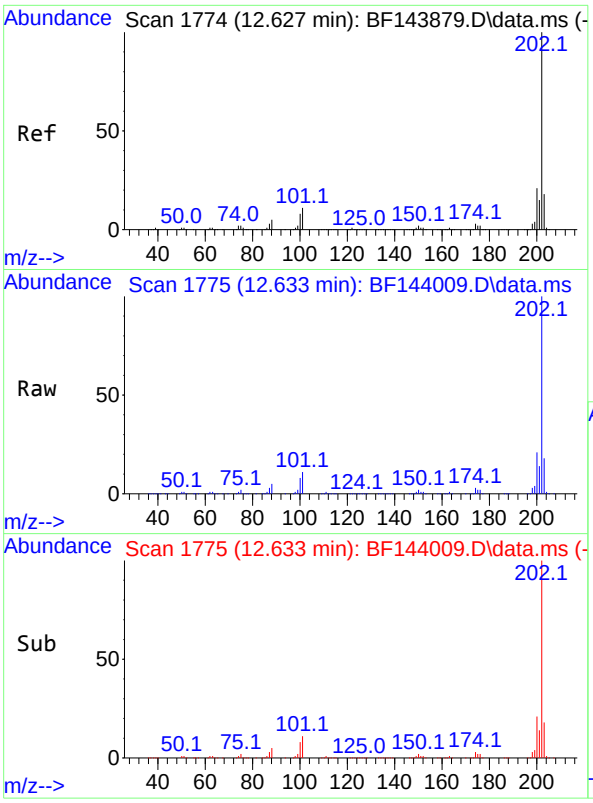


#74
Di-n-butylphthalate
Concen: 40.33 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:149 Resp: 873478

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.0	3.4	5.2



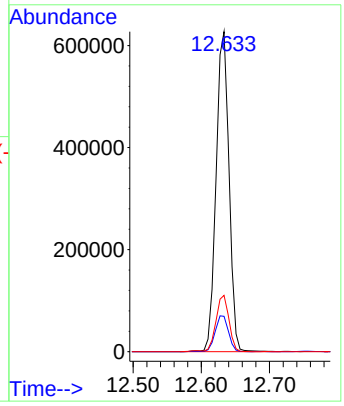


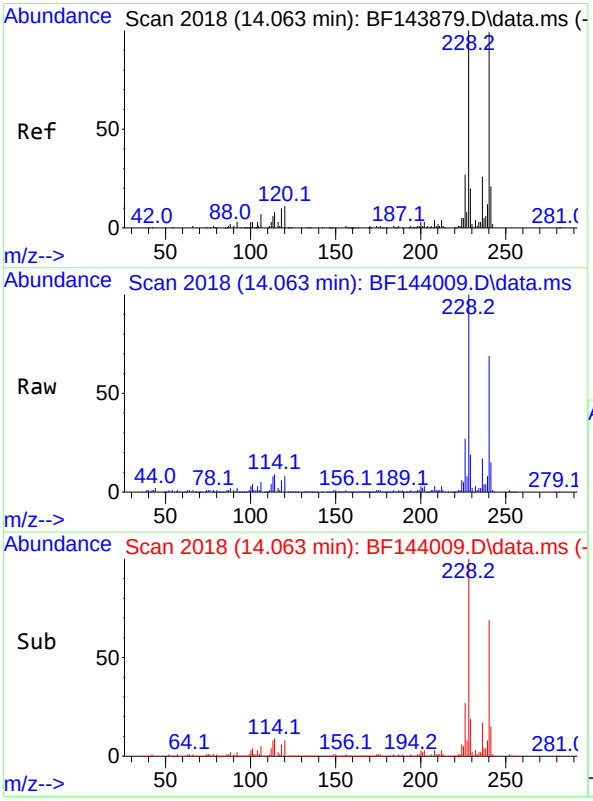
#75
Fluoranthene
Concen: 38.34 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 827067

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	30.7
203	17.6	0.0	37.8

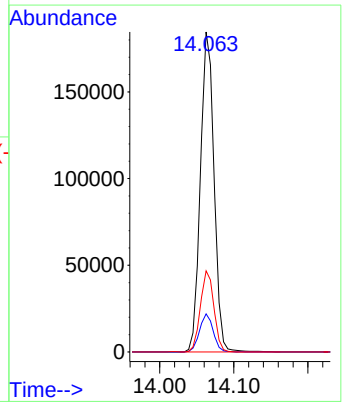


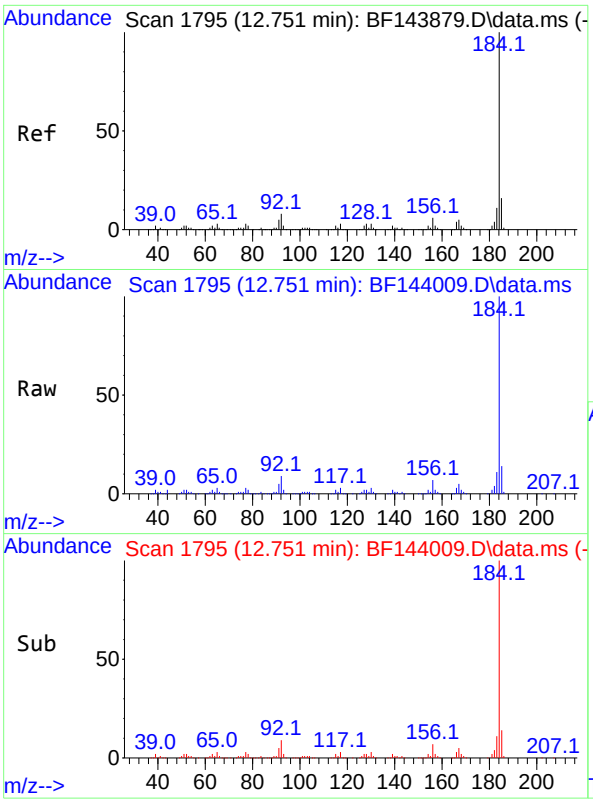


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:240 Resp: 235758

Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.6	13.0
236	25.4	21.1	31.7



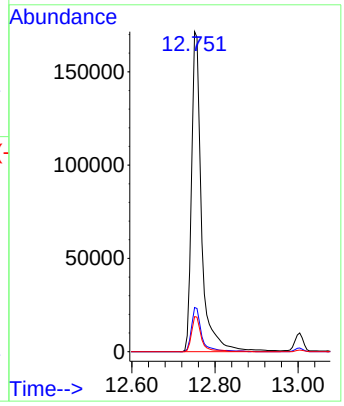


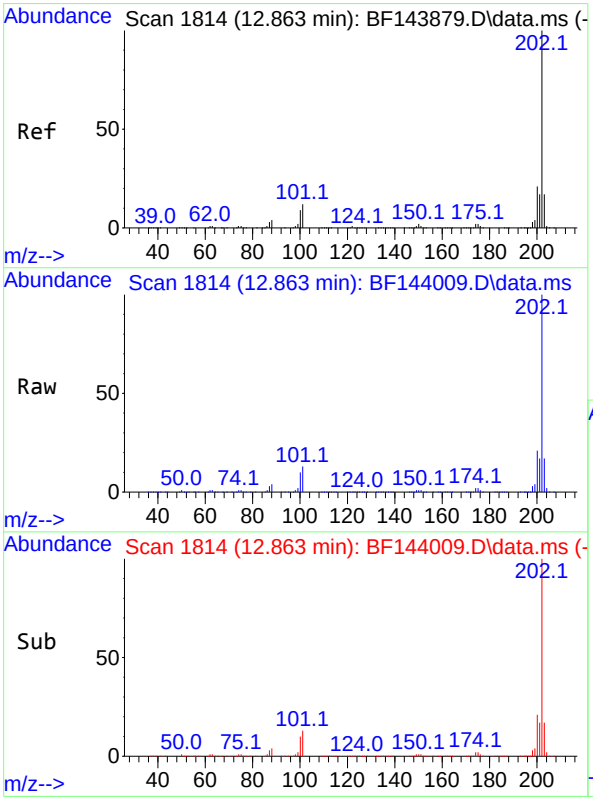
#77
Benzidine
Concen: 35.21 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 288239

Ion	Ratio	Lower	Upper
184	100		
185	13.8	12.6	18.8
183	11.0	8.8	13.2

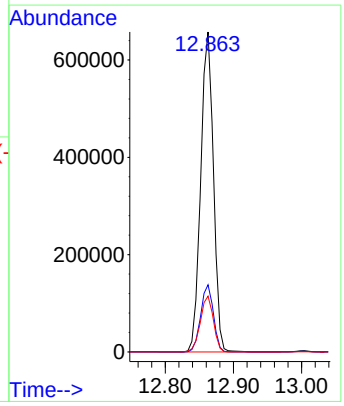


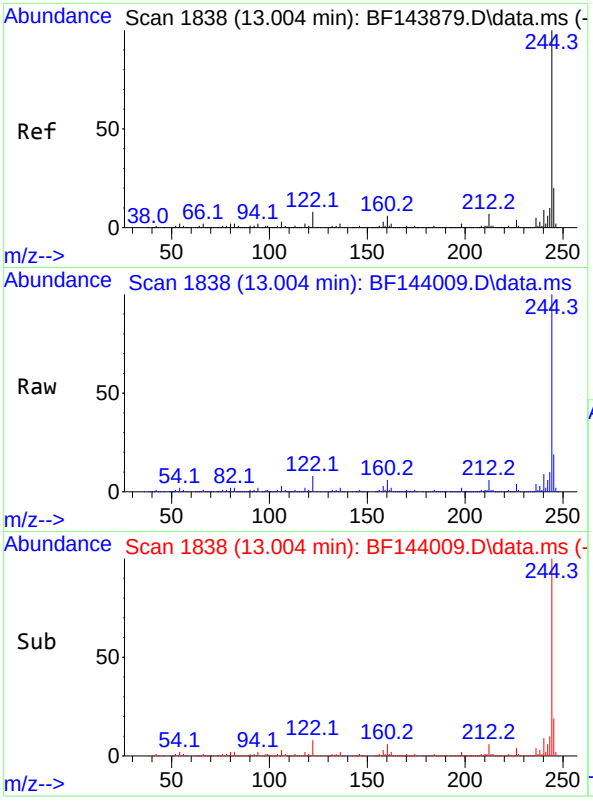


#78
Pyrene
Concen: 43.29 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:202 Resp: 850887

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.5	13.8	20.6



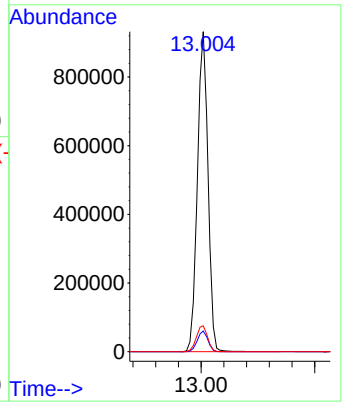


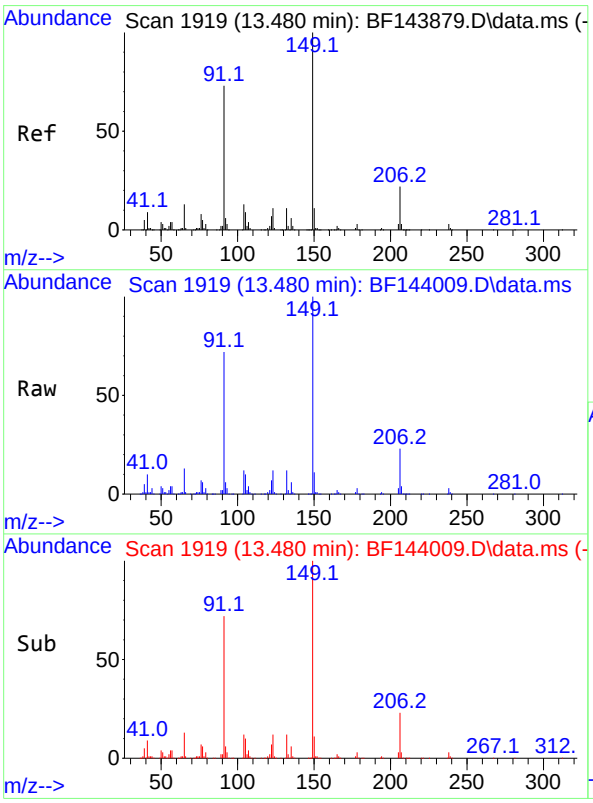
#79
Terphenyl-d14
Concen: 87.63 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1208859

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	8.1	6.4	9.6

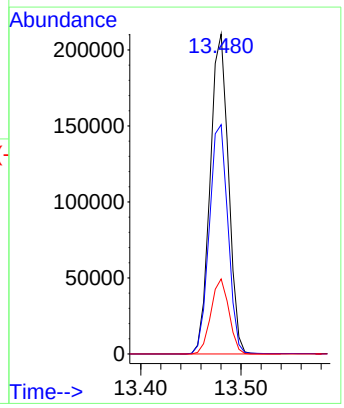


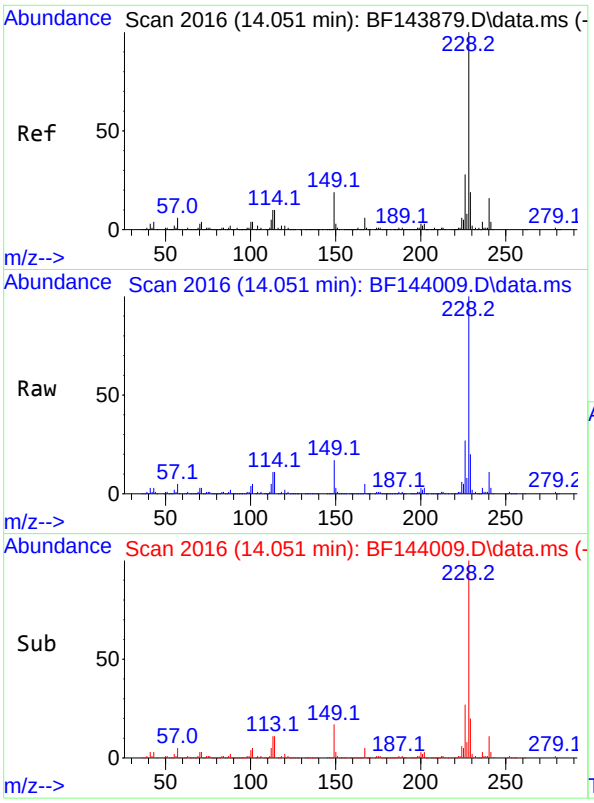


#80
Butylbenzylphthalate
Concen: 41.89 ng
RT: 13.480 min Scan# 1919
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:149 Resp: 267401

Ion	Ratio	Lower	Upper
149	100		
91	71.6	58.2	87.2
206	23.4	17.9	26.9



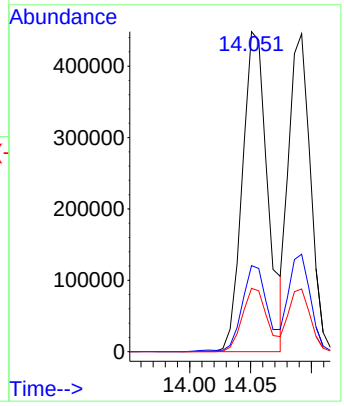


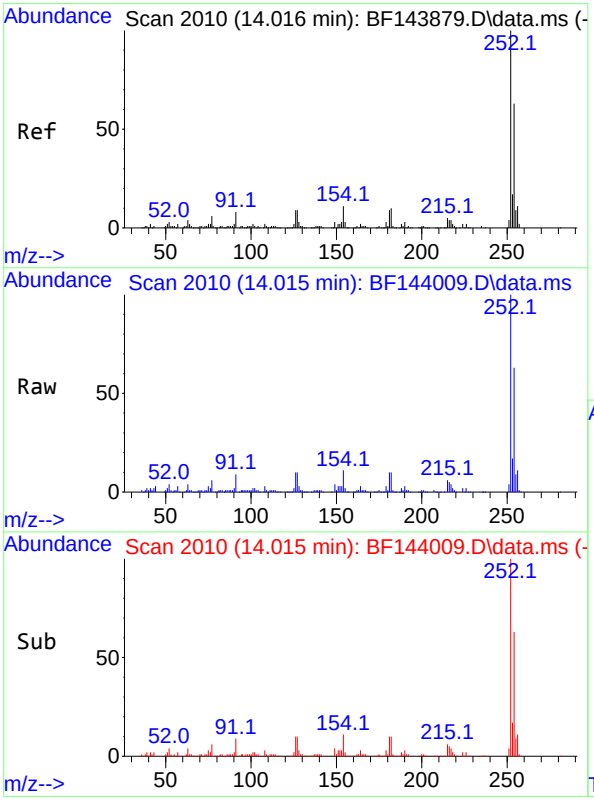
#81
Benzo(a)anthracene
Concen: 41.93 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 646917

Ion	Ratio	Lower	Upper
228	100		
226	26.9	22.2	33.2
229	19.8	15.6	23.4

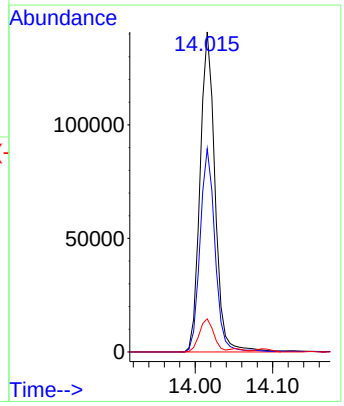


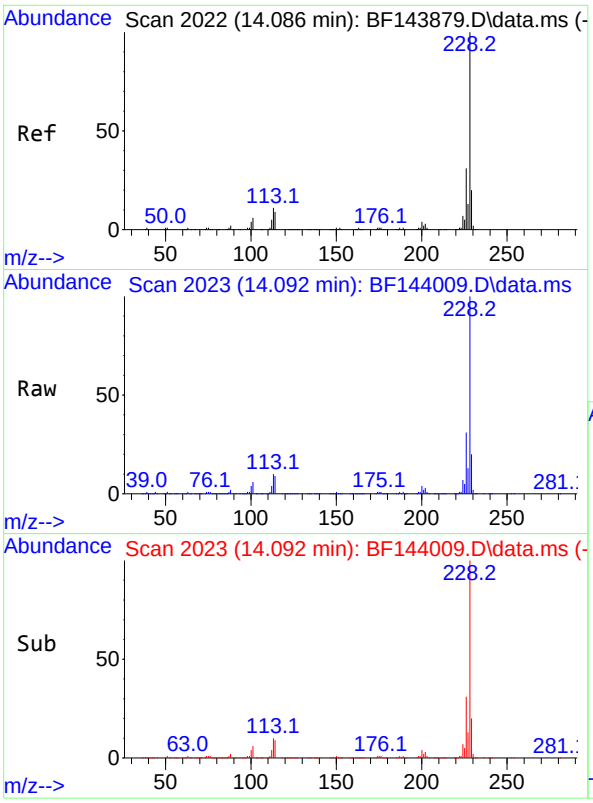


#82
3,3'-Dichlorobenzidine
Concen: 40.15 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:252 Resp: 188768

Ion	Ratio	Lower	Upper
252	100		
254	63.5	50.6	76.0
126	10.4	7.0	10.6



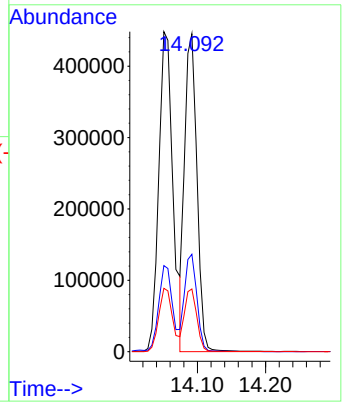


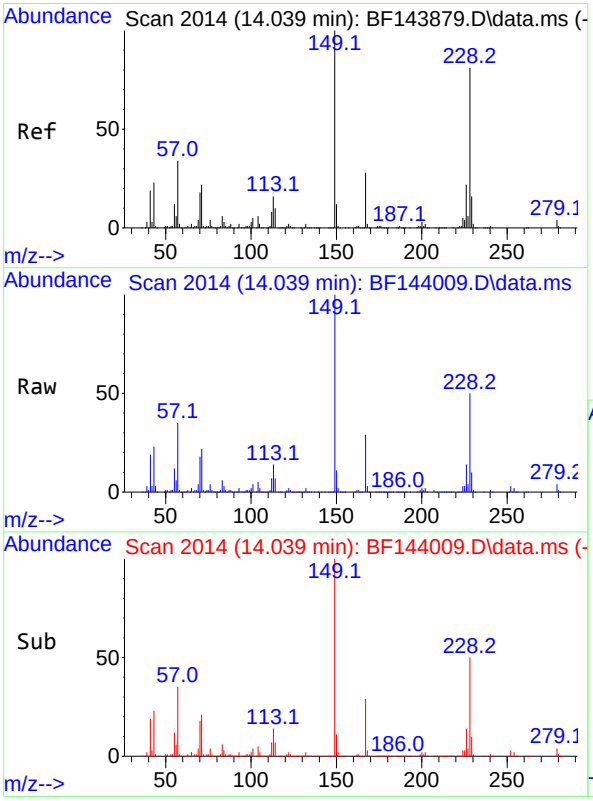
#83
Chrysene
Concen: 38.69 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 552423

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.4	36.6
229	19.8	15.9	23.9

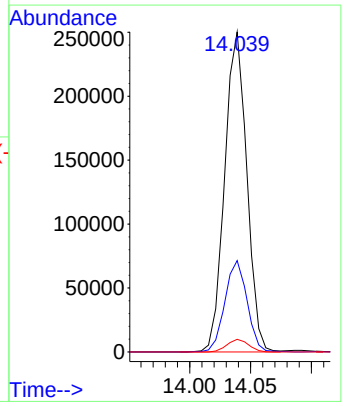


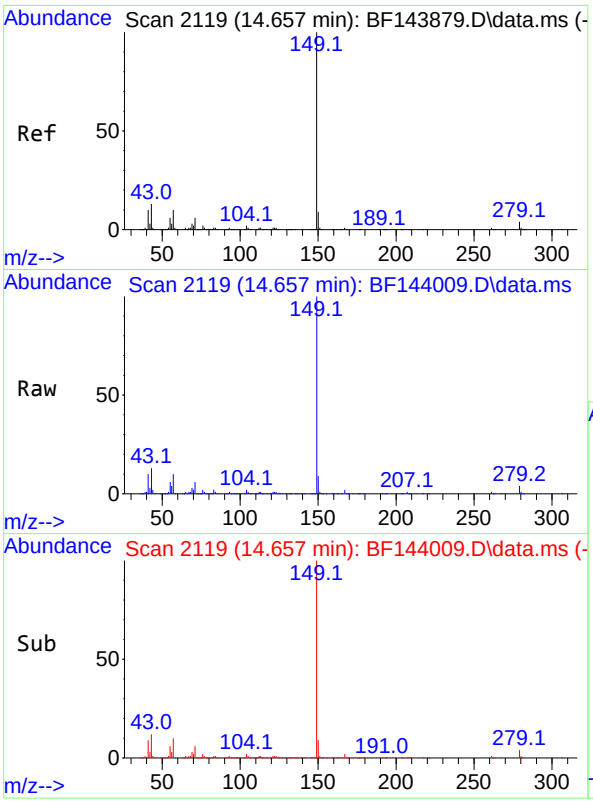


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.13 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:149 Resp: 316468

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.2	33.4
279	4.0	3.1	4.7



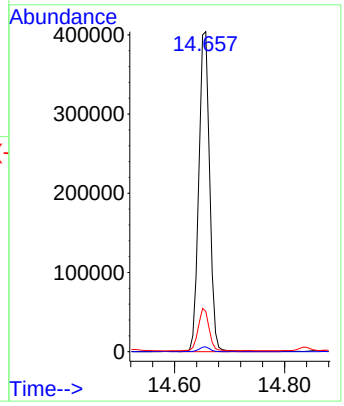


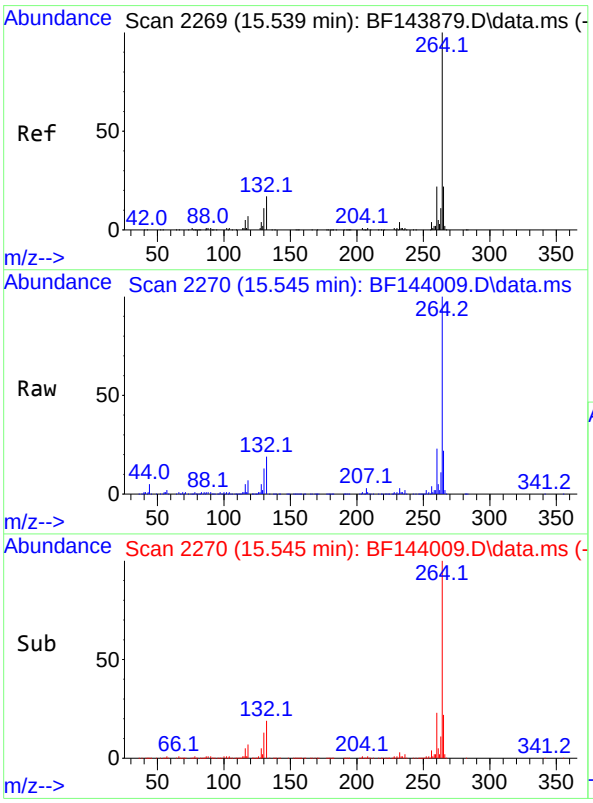
#85
Di-n-octyl phthalate
Concen: 43.84 ng
RT: 14.657 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 554105

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.3	11.0	16.4

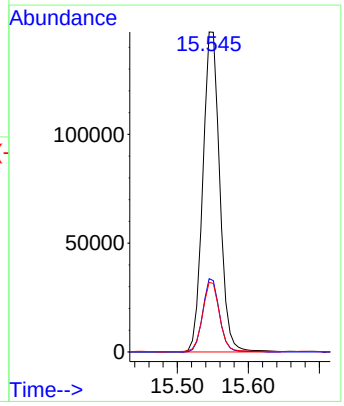


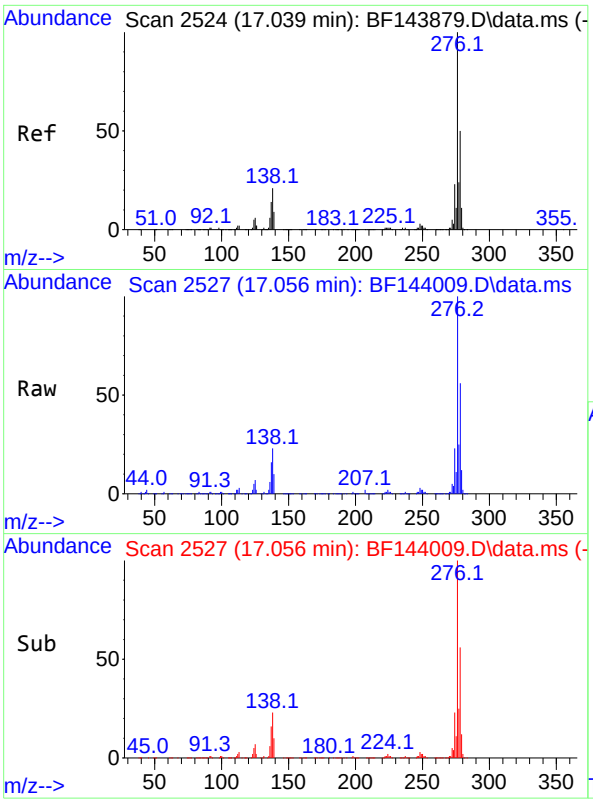


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:264 Resp: 243917

Ion	Ratio	Lower	Upper
264	100		
260	22.9	17.8	26.8
265	21.8	17.5	26.3



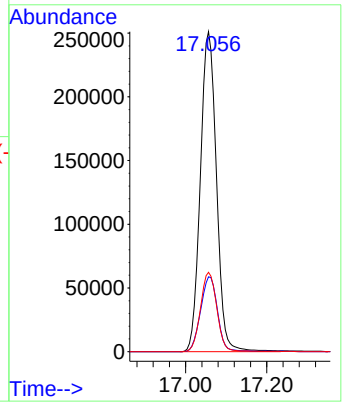


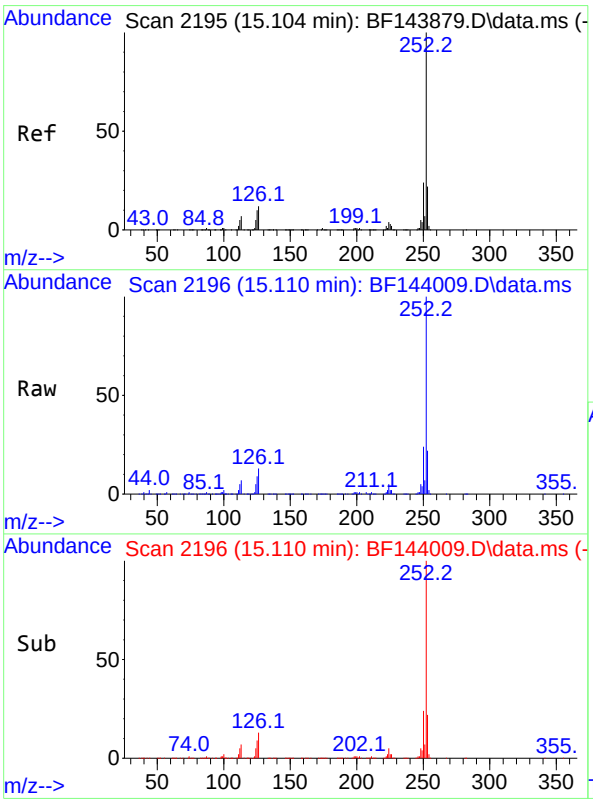
#87
Indeno(1,2,3-cd)pyrene
Concen: 46.35 ng
RT: 17.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 692814

Ion	Ratio	Lower	Upper
276	100		
138	24.5	18.2	27.2
277	25.1	19.8	29.6

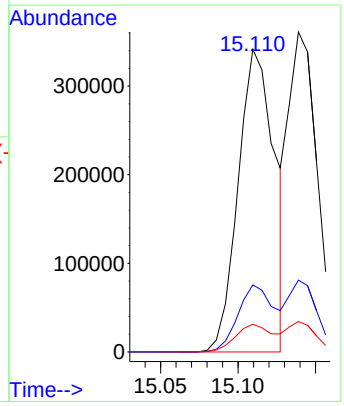


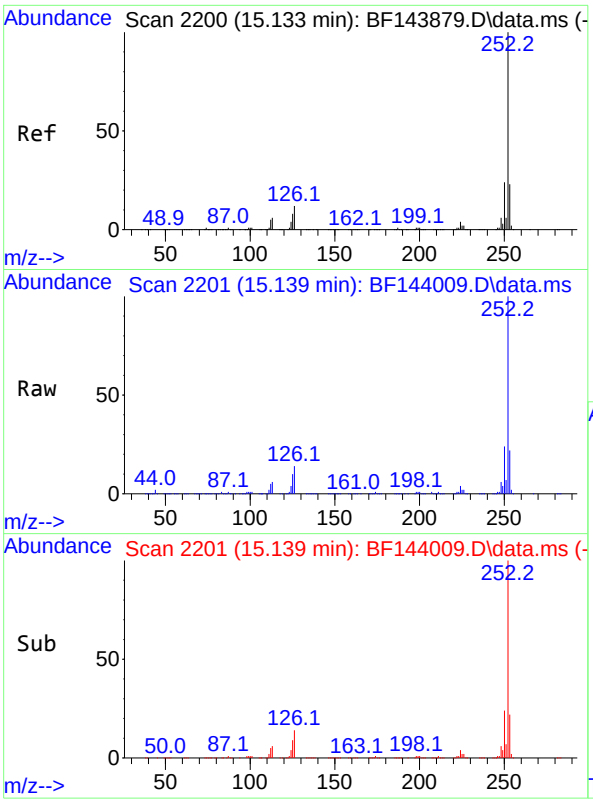


#88
Benzo(b)fluoranthene
Concen: 39.83 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:252 Resp: 558030

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	9.1	7.8	11.6



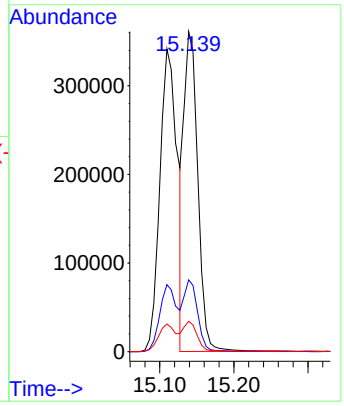


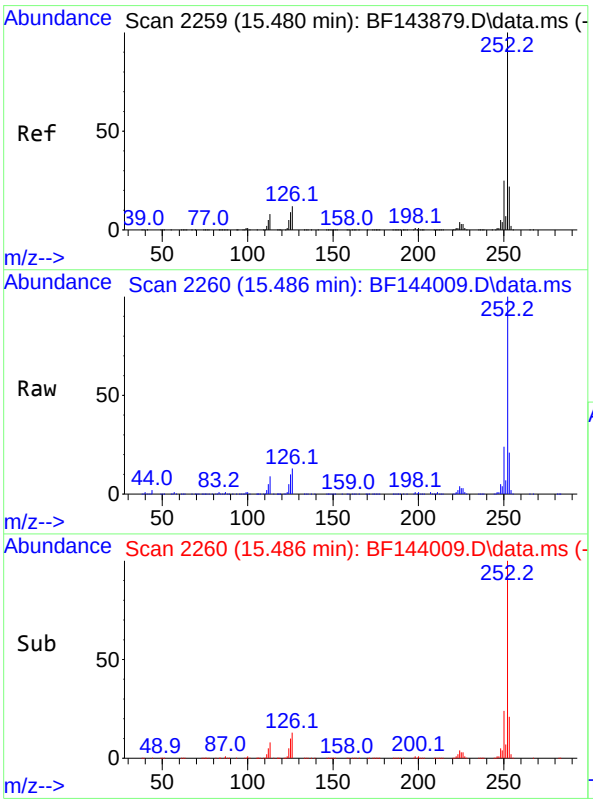
#89
Benzo(k)fluoranthene
Concen: 36.42 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 472182

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	9.5	7.4	11.2

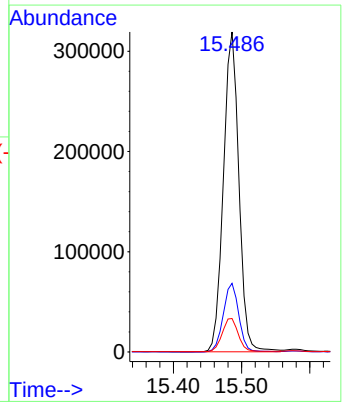


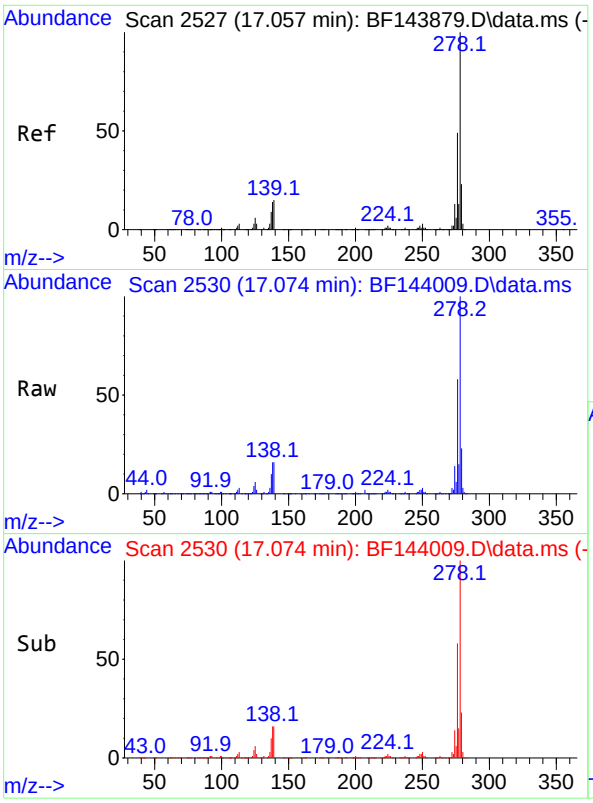


#90
Benzo(a)pyrene
Concen: 41.46 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:252 Resp: 503690

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	10.4	7.0	10.4#



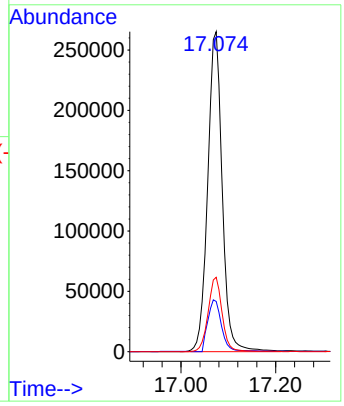


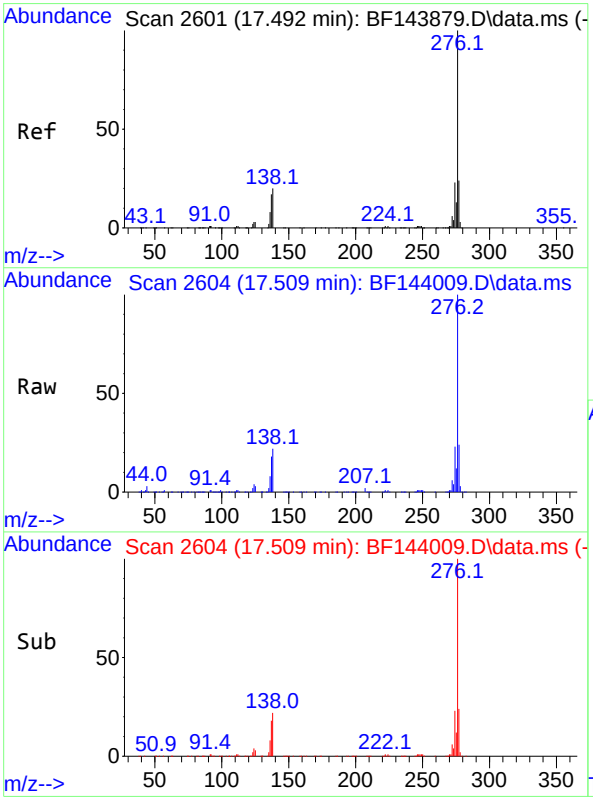
#91
Dibenzo(a,h)anthracene
Concen: 46.96 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 564523

Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.7	17.5
279	23.3	18.4	27.6

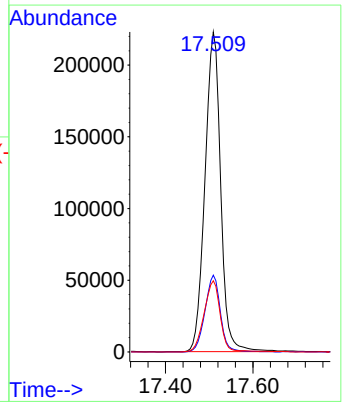




#92
Benzo(g,h,i)perylene
Concen: 46.37 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144009.D
Acq: 21 Oct 2025 13:29

Tgt Ion:276 Resp: 557435

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	22.3	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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	102	0.00
2		1,4-Dioxane	0.583	0.600	-2.9	101	0.00
3		Pyridine	1.697	1.707	-0.6	98	-0.01
4		n-Nitrosodimethylamine	0.893	0.844	5.5	95	-0.03
5	S	2-Fluorophenol	1.259	1.299	-3.2	102	0.00
6		Aniline	2.250	2.216	1.5	97	0.00
7	S	Phenol-d6	1.501	1.494	0.5	99	0.00
8		2-Chlorophenol	1.231	1.267	-2.9	100	0.00
9		Benzaldehyde	1.158	1.203	-3.9	93	0.00
10	C	Phenol	1.795	1.901	-5.9	106	-0.01
11		bis(2-Chloroethyl)ether	1.386	1.376	0.7	97	-0.01
12		1,3-Dichlorobenzene	1.474	1.463	0.7	99	0.00
13	C	1,4-Dichlorobenzene	1.454	1.433	1.4	98	0.00
14		1,2-Dichlorobenzene	1.392	1.411	-1.4	101	0.00
15		Benzyl Alcohol	1.125	1.121	0.4	98	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	3.225	-2.2	102	0.00
17		2-Methylphenol	1.017	1.009	0.8	98	0.00
18		Hexachloroethane	0.485	0.486	-0.2	99	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.983	4.4	98	-0.02
20		3+4-Methylphenols	1.179	1.177	0.2	95	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	101	0.00
22		Acetophenone	0.423	0.409	3.3	95	-0.01
23	S	Nitrobenzene-d5	0.329	0.341	-3.6	100	-0.01
24		Nitrobenzene	0.366	0.382	-4.4	98	-0.01
25		Isophorone	0.694	0.664	4.3	95	-0.02
26	C	2-Nitrophenol	0.157	0.182	-15.9	105	0.00
27		2,4-Dimethylphenol	0.282	0.290	-2.8	99	0.00
28		bis(2-Chloroethoxy)methane	0.438	0.433	1.1	98	-0.01
29	C	2,4-Dichlorophenol	0.294	0.295	-0.3	97	0.00
30		1,2,4-Trichlorobenzene	0.289	0.288	0.3	97	0.00
31		Naphthalene	0.910	0.902	0.9	98	0.00
32		Benzoic acid	0.195	0.183	6.2	92	-0.04
33		4-Chloroaniline	0.341	0.341	0.0	97	0.00
34	C	Hexachlorobutadiene	0.201	0.197	2.0	96	0.00
35		Caprolactam	0.093	0.095	-2.2	100	-0.04
36	C	4-Chloro-3-methylphenol	0.282	0.281	0.4	98	0.00
37		2-Methylnaphthalene	0.606	0.599	1.2	98	0.00
38		1-Methylnaphthalene	0.588	0.573	2.6	95	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.559	-1.1	96	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.224	2.2	88	0.00
42	S	2,4,6-Tribromophenol	0.199	0.191	4.0	93	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.394	2.5	90	0.00
44		2,4,5-Trichlorophenol	0.427	0.432	-1.2	96	0.00
45	S	2-Fluorobiphenyl	1.260	1.174	6.8	97	-0.01
46		1,1'-Biphenyl	1.324	1.283	3.1	95	0.00
47		2-Chloronaphthalene	1.104	1.099	0.5	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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	0.372	-6.6	96	0.00
49		Acenaphthylene	1.552	1.531	1.4	96	0.00
50		Dimethylphthalate	1.270	1.246	1.9	98	0.00
51		2,6-Dinitrotoluene	0.236	0.265	-12.3	102	-0.01
52	C	Acenaphthene	1.017	0.980	3.6	94	0.00
53		3-Nitroaniline	0.288	0.299	-3.8	99	-0.01
54	P	2,4-Dinitrophenol	0.118	0.105	11.0	89	0.00
55		Dibenzofuran	1.436	1.413	1.6	96	0.00
56	P	4-Nitrophenol	0.218	0.197	9.6	85	0.00
57		2,4-Dinitrotoluene	0.320	0.350	-9.4	97	0.00
58		Fluorene	1.083	1.052	2.9	97	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.299	1.0	93	0.00
60		Diethylphthalate	1.180	1.127	4.5	93	0.00
61		4-Chlorophenyl-phenylether	0.573	0.561	2.1	95	0.00
62		4-Nitroaniline	0.277	0.278	-0.4	96	-0.02
63		Azobenzene	1.233	1.211	1.8	96	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.109	-7.9	95	-0.01
66	c	n-Nitrosodiphenylamine	0.628	0.632	-0.6	93	-0.01
67		4-Bromophenyl-phenylether	0.221	0.213	3.6	89	0.00
68		Hexachlorobenzene	0.256	0.249	2.7	91	0.00
69		Atrazine	0.190	0.184	3.2	92	-0.01
70	C	Pentachlorophenol	0.147	0.129	12.2	79	0.00
71		Phenanthrene	0.970	0.933	3.8	93	0.00
72		Anthracene	0.980	0.987	-0.7	93	0.00
73		Carbazole	0.868	0.845	2.6	93	0.00
74		Di-n-butylphthalate	1.005	1.014	-0.9	93	0.00
75	C	Fluoranthene	1.002	0.960	4.2	90	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	93	0.00
77		Benzidine	0.694	0.611	12.0	74	0.00
78		Pyrene	1.667	1.805	-8.3	90	0.00
79	S	Terphenyl-d14	1.170	1.282	-9.6	93	0.00
80		Butylbenzylphthalate	0.542	0.567	-4.6	85	0.00
81		Benzo(a)anthracene	1.309	1.372	-4.8	91	0.00
82		3,3'-Dichlorobenzidine	0.399	0.400	-0.3	84	0.00
83		Chrysene	1.211	1.172	3.2	84	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.671	-2.8	84	0.00
85	c	Di-n-octyl phthalate	1.072	1.175	-9.6	91	0.00
86	I	Perylene-d12	1.000	1.000	0.0	97	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.420	-15.9	99	0.00
88		Benzo(b)fluoranthene	1.149	1.144	0.4	88	0.00
89		Benzo(k)fluoranthene	1.063	0.968	8.9	85	0.00
90	C	Benzo(a)pyrene	0.996	1.033	-3.7	91	0.00
91		Dibenzo(a,h)anthracene	0.986	1.157	-17.3	100	0.00
92		Benzo(g,h,i)perylene	0.986	1.143	-15.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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	102	0.00
2		1,4-Dioxane	40.000	41.185	-3.0	101	0.00
3		Pyridine	40.000	40.239	-0.6	98	-0.01
4		n-Nitrosodimethylamine	40.000	37.810	5.5	95	-0.03
5	S	2-Fluorophenol	80.000	82.536	-3.2	102	0.00
6		Aniline	40.000	39.405	1.5	97	0.00
7	S	Phenol-d6	80.000	79.601	0.5	99	0.00
8		2-Chlorophenol	40.000	41.153	-2.9	100	0.00
9		Benzaldehyde	40.000	41.553	-3.9	93	0.00
10	C	Phenol	40.000	42.370	-5.9	106	-0.01
11		bis(2-Chloroethyl)ether	40.000	39.703	0.7	97	-0.01
12		1,3-Dichlorobenzene	40.000	39.720	0.7	99	0.00
13	C	1,4-Dichlorobenzene	40.000	39.438	1.4	98	0.00
14		1,2-Dichlorobenzene	40.000	40.528	-1.3	101	0.00
15		Benzyl Alcohol	40.000	39.850	0.4	98	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	40.872	-2.2	102	0.00
17		2-Methylphenol	40.000	39.675	0.8	98	0.00
18		Hexachloroethane	40.000	40.126	-0.3	99	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.272	4.3	98	-0.02
20		3+4-Methylphenols	40.000	39.914	0.2	95	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	101	0.00
22		Acetophenone	40.000	38.653	3.4	95	-0.01
23	S	Nitrobenzene-d5	80.000	82.879	-3.6	100	-0.01
24		Nitrobenzene	40.000	41.813	-4.5	98	-0.01
25		Isophorone	40.000	38.250	4.4	95	-0.02
26	C	2-Nitrophenol	40.000	46.340	-15.9	105	0.00
27		2,4-Dimethylphenol	40.000	41.193	-3.0	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.532	1.2	98	-0.01
29	C	2,4-Dichlorophenol	40.000	40.123	-0.3	97	0.00
30		1,2,4-Trichlorobenzene	40.000	39.933	0.2	97	0.00
31		Naphthalene	40.000	39.667	0.8	98	0.00
32		Benzoic acid	40.000	37.569	6.1	92	-0.04
33		4-Chloroaniline	40.000	39.987	0.0	97	0.00
34	C	Hexachlorobutadiene	40.000	39.350	1.6	96	0.00
35		Caprolactam	40.000	40.569	-1.4	100	-0.04
36	C	4-Chloro-3-methylphenol	40.000	39.776	0.6	98	0.00
37		2-Methylnaphthalene	40.000	39.549	1.1	98	0.00
38		1-Methylnaphthalene	40.000	39.003	2.5	95	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	101	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.440	-1.1	96	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.991	2.5	88	0.00
42	S	2,4,6-Tribromophenol	80.000	76.638	4.2	93	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.063	2.3	90	0.00
44		2,4,5-Trichlorophenol	40.000	40.504	-1.3	96	0.00
45	S	2-Fluorobiphenyl	80.000	74.521	6.8	97	-0.01
46		1,1'-Biphenyl	40.000	38.750	3.1	95	0.00
47		2-Chloronaphthalene	40.000	39.831	0.4	98	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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	42.593	-6.5	96	0.00
49		Acenaphthylene	40.000	39.462	1.3	96	0.00
50		Dimethylphthalate	40.000	39.243	1.9	98	0.00
51		2,6-Dinitrotoluene	40.000	44.988	-12.5	102	-0.01
52	C	Acenaphthene	40.000	38.554	3.6	94	0.00
53		3-Nitroaniline	40.000	41.461	-3.7	99	-0.01
54	P	2,4-Dinitrophenol	40.000	33.421	16.4	89	0.00
55		Dibenzofuran	40.000	39.362	1.6	96	0.00
56	P	4-Nitrophenol	40.000	36.028	9.9	85	0.00
57		2,4-Dinitrotoluene	40.000	43.651	-9.1	97	0.00
58		Fluorene	40.000	38.862	2.8	97	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.546	1.1	93	0.00
60		Diethylphthalate	40.000	38.198	4.5	93	0.00
61		4-Chlorophenyl-phenylether	40.000	39.202	2.0	95	0.00
62		4-Nitroaniline	40.000	40.078	-0.2	96	-0.02
63		Azobenzene	40.000	39.265	1.8	96	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	97	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.304	-8.3	95	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.254	-0.6	93	-0.01
67		4-Bromophenyl-phenylether	40.000	38.560	3.6	89	0.00
68		Hexachlorobenzene	40.000	38.982	2.5	91	0.00
69		Atrazine	40.000	38.711	3.2	92	-0.01
70	C	Pentachlorophenol	40.000	35.013	12.5	79	0.00
71		Phenanthrene	40.000	38.498	3.8	93	0.00
72		Anthracene	40.000	40.324	-0.8	93	0.00
73		Carbazole	40.000	38.983	2.5	93	0.00
74		Di-n-butylphthalate	40.000	40.330	-0.8	93	0.00
75	C	Fluoranthene	40.000	38.337	4.2	90	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	93	0.00
77		Benzidine	40.000	35.211	12.0	74	0.00
78		Pyrene	40.000	43.291	-8.2	90	0.00
79	S	Terphenyl-d14	80.000	87.634	-9.5	93	0.00
80		Butylbenzylphthalate	40.000	41.891	-4.7	85	0.00
81		Benzo(a)anthracene	40.000	41.931	-4.8	91	0.00
82		3,3'-Dichlorobenzidine	40.000	40.149	-0.4	84	0.00
83		Chrysene	40.000	38.688	3.3	84	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.128	-2.8	84	0.00
85	c	Di-n-octyl phthalate	40.000	43.844	-9.6	91	0.00
86	I	Perylene-d12	20.000	20.000	0.0	97	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	46.355	-15.9	99	0.00
88		Benzo(b)fluoranthene	40.000	39.827	0.4	88	0.00
89		Benzo(k)fluoranthene	40.000	36.420	8.9	85	0.00
90	C	Benzo(a)pyrene	40.000	41.459	-3.6	91	0.00
91		Dibenzo(a,h)anthracene	40.000	46.964	-17.4	100	0.00
92		Benzo(g,h,i)perylene	40.000	46.374	-15.9	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144009.D
Acq On : 21 Oct 2025 13:29
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 21 13:57:29 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

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.: Q3376

Instrument ID: BNA_F Calibration Date/Time: 10/22/2025 10:25

Lab File ID: BF144032.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	1.263		0.3	
Benzaldehyde	1.158	1.176		1.6	
Phenol-d6	1.501	1.459		-2.8	
Phenol	1.795	1.838		2.4	20.0
bis(2-Chloroethyl)ether	1.386	1.342		-3.2	
2-Chlorophenol	1.231	1.205		-2.1	
2-Methylphenol	1.017	0.970		-4.6	
2,2-oxybis(1-Chloropropane)	3.156	3.068		-2.8	
Acetophenone	0.423	0.389		-8.0	
3+4-Methylphenols	1.179	1.144		-3.0	
n-Nitroso-di-n-propylamine	1.028	0.930	0.050	-9.5	
Nitrobenzene-d5	0.329	0.331		0.6	
Hexachloroethane	0.485	0.469		-3.3	
Nitrobenzene	0.366	0.366		0.0	
Isophorone	0.694	0.630		-9.2	
2-Nitrophenol	0.157	0.173		10.2	20.0
2,4-Dimethylphenol	0.282	0.273		-3.2	
bis(2-Chloroethoxy)methane	0.438	0.417		-4.8	
2,4-Dichlorophenol	0.294	0.284		-3.4	20.0
Naphthalene	0.910	0.867		-4.7	
4-Chloroaniline	0.341	0.317		-7.0	
Hexachlorobutadiene	0.201	0.185		-8.0	20.0
Caprolactam	0.093	0.078		-16.1	
4-Chloro-3-methylphenol	0.282	0.258		-8.5	20.0
2-Methylnaphthalene	0.606	0.564		-6.9	
Hexachlorocyclopentadiene	0.229	0.198	0.050	-13.5	
2,4,6-Trichlorophenol	0.404	0.385		-4.7	20.0
2-Fluorobiphenyl	1.260	1.173		-6.9	
2,4,5-Trichlorophenol	0.427	0.416		-2.6	
1,1-Biphenyl	1.324	1.285		-2.9	
2-Chloronaphthalene	1.104	1.102		-0.2	
2-Nitroaniline	0.349	0.359		2.9	
Dimethylphthalate	1.270	1.174		-7.6	
Acenaphthylene	1.552	1.488		-4.1	
2,6-Dinitrotoluene	0.236	0.245		3.8	
3-Nitroaniline	0.288	0.288		0.0	
Acenaphthene	1.017	0.988		-2.9	20.0
2,4-Dinitrophenol	0.118	0.150	0.050	27.1	
4-Nitrophenol	0.218	0.221	0.050	1.4	

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.: Q3376

Instrument ID: BNA_F Calibration Date/Time: 10/22/2025 10:25

Lab File ID: BF144032.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	1.365		-4.9	
2,4-Dinitrotoluene	0.320	0.327		2.2	
Diethylphthalate	1.180	1.076		-8.8	
4-Chlorophenyl-phenylether	0.573	0.537		-6.3	
Fluorene	1.083	1.034		-4.5	
4-Nitroaniline	0.277	0.251		-9.4	
4,6-Dinitro-2-methylphenol	0.101	0.105		4.0	
n-Nitrosodiphenylamine	0.628	0.632		0.6	20.0
2,4,6-Tribromophenol	0.199	0.170		-14.6	
4-Bromophenyl-phenylether	0.221	0.208		-5.9	
Hexachlorobenzene	0.256	0.236		-7.8	
Atrazine	0.190	0.170		-10.5	
Pentachlorophenol	0.147	0.133		-9.5	20.0
Phenanthrene	0.970	0.937		-3.4	
Anthracene	0.980	0.950		-3.1	
Carbazole	0.868	0.813		-6.3	
Di-n-butylphthalate	1.005	0.932		-7.3	
Fluoranthene	1.002	0.880		-12.2	20.0
Pyrene	1.667	1.786		7.1	
Terphenyl-d14	1.170	1.232		5.3	
Butylbenzylphthalate	0.542	0.552		1.8	
3,3-Dichlorobenzidine	0.399	0.405		1.5	
Benzo(a)anthracene	1.309	1.289		-1.5	
Chrysene	1.211	1.219		0.7	
Bis(2-ethylhexyl)phthalate	0.653	0.682		4.4	
Di-n-octyl phthalate	1.072	1.265		18.0	20.0
Benzo(b)fluoranthene	1.149	0.981		-14.6	
Benzo(k)fluoranthene	1.063	0.999		-6.0	
Benzo(a)pyrene	0.996	0.976		-2.0	20.0
Indeno(1,2,3-cd)pyrene	1.225	1.460		19.2	
Dibenzo(a,h)anthracene	0.986	1.180		19.7	
Benzo(g,h,i)perylene	0.986	1.193		21.0	
1,2,4,5-Tetrachlorobenzene	0.553	0.552		-0.2	
1,4-Dioxane	0.583	0.579		-0.7	20.0
2,3,4,6-Tetrachlorophenol	0.302	0.272		-9.9	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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	112960	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	428129	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	220935	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	348267	20.000	ng		0.00
76) Chrysene-d12	14.063	240	176671	20.000	ng		0.00
86) Perylene-d12	15.545	264	208587	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.498	112	570670	80.225	ng		0.00
7) Phenol-d6	6.510	99	659248	77.752	ng		0.00
23) Nitrobenzene-d5	7.445	82	567360	80.513	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	150622	68.447	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	1036678	74.454	ng		-0.01
79) Terphenyl-d14	12.998	244	870415	84.202	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	130914	39.771	ng		95
3) Pyridine	3.404	79	371739	38.793	ng		96
4) n-Nitrosodimethylamine	3.346	42	184996	36.698	ng		97
6) Aniline	6.545	93	482545	37.979	ng		100
8) 2-Chlorophenol	6.669	128	272303	39.162	ng		98
9) Benzaldehyde	6.434	77	265748	40.630	ng		100
10) Phenol	6.522	94	415210	40.961	ng		98
11) bis(2-Chloroethyl)ether	6.616	93	303201	38.721	ng		98
12) 1,3-Dichlorobenzene	6.822	146	317188	38.108	ng		99
13) 1,4-Dichlorobenzene	6.898	146	320620	39.051	ng		100
14) 1,2-Dichlorobenzene	7.051	146	309073	39.302	ng		100
15) Benzyl Alcohol	7.022	79	242449	38.164	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	693138	38.888	ng		98
17) 2-Methylphenol	7.134	107	219189	38.143	ng		99
18) Hexachloroethane	7.392	117	105913	38.681	ng		97
19) n-Nitroso-di-n-propyla...	7.292	70	210181	36.214	ng		99
20) 3+4-Methylphenols	7.287	107	258547	38.820	ng	#	77
22) Acetophenone	7.292	105	333187	36.806	ng		97
24) Nitrobenzene	7.463	77	313733	40.091	ng		98
25) Isophorone	7.704	82	539108	36.283	ng		98
26) 2-Nitrophenol	7.781	139	147965	44.102	ng		98
27) 2,4-Dimethylphenol	7.816	122	234021	38.775	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	357265	38.064	ng		99
29) 2,4-Dichlorophenol	8.022	162	242803	38.622	ng		97
30) 1,2,4-Trichlorobenzene	8.104	180	235631	38.111	ng		98
31) Naphthalene	8.187	128	742491	38.125	ng		100
32) Benzoic acid	7.922	122	139736	33.454	ng		96
33) 4-Chloroaniline	8.234	127	271142	37.121	ng		99
34) Hexachlorobutadiene	8.304	225	158191	36.820	ng		96
35) Caprolactam	8.598	113	67146	33.592	ng		95
36) 4-Chloro-3-methylphenol	8.716	107	221009	36.599	ng		97
37) 2-Methylnaphthalene	8.881	142	482790	37.215	ng		98
38) 1-Methylnaphthalene	8.981	142	463512	36.835	ng		98
40) 1,2,4,5-Tetrachloroben...	9.045	216	243860	39.935	ng		98
41) Hexachlorocyclopentadiene	9.034	237	87446	34.519	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	169935	38.088	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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

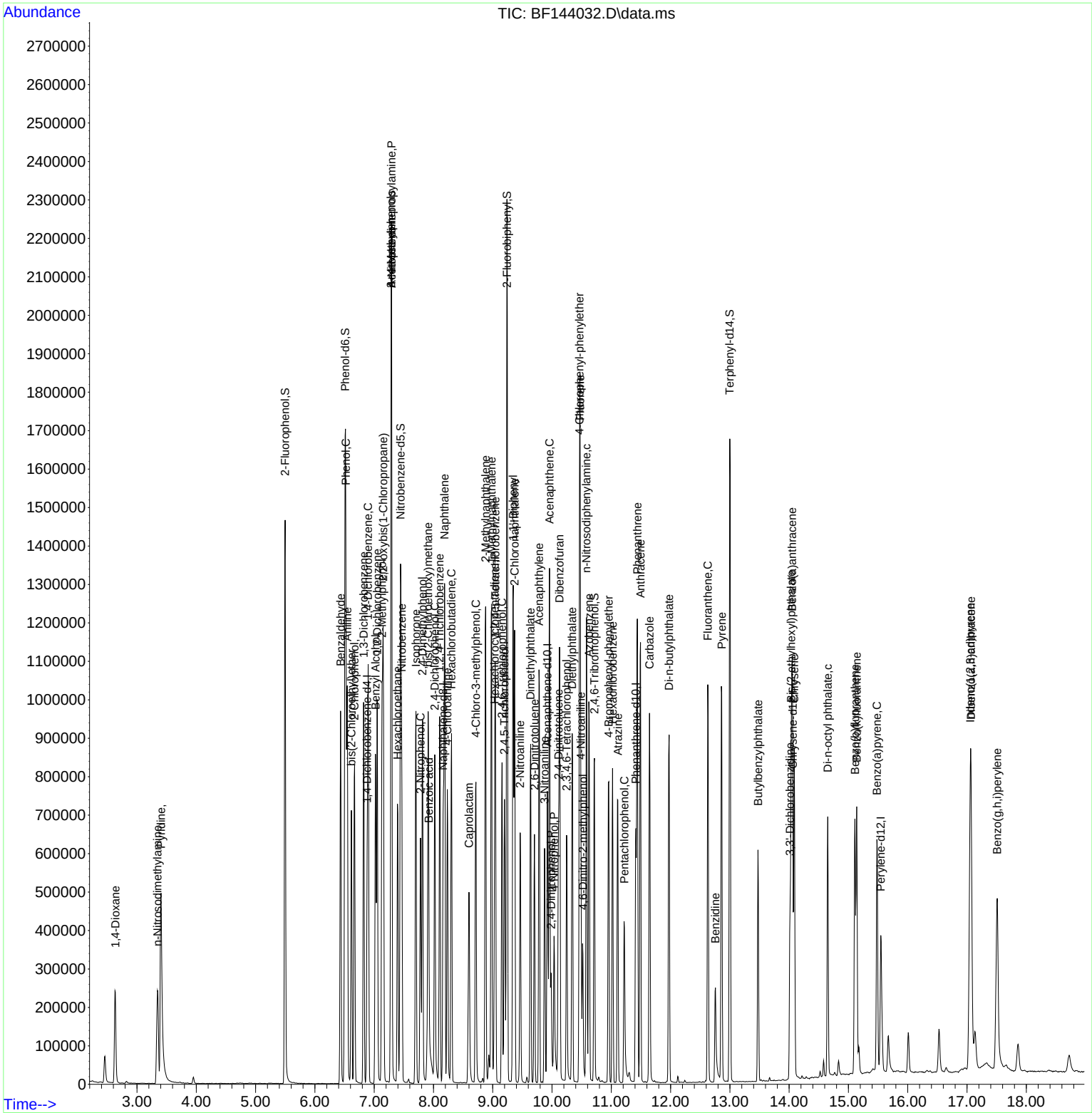
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	183803	38.983	ng		99
46) 1,1'-Biphenyl	9.345	154	567757	38.813	ng		98
47) 2-Chloronaphthalene	9.369	162	486843	39.918	ng		96
48) 2-Nitroaniline	9.463	65	158514	41.110	ng		99
49) Acenaphthylene	9.781	152	657637	38.355	ng		100
50) Dimethylphthalate	9.639	163	518815	36.978	ng		99
51) 2,6-Dinitrotoluene	9.704	165	108407	41.669	ng		99
52) Acenaphthene	9.957	154	436481	38.850	ng		99
53) 3-Nitroaniline	9.875	138	127187	39.926	ng		99
54) 2,4-Dinitrophenol	9.986	184	66301	44.671	ng		93
55) Dibenzofuran	10.128	168	603282	38.039	ng		99
56) 4-Nitrophenol	10.033	139	97764	40.532	ng		96
57) 2,4-Dinitrotoluene	10.110	165	144342	40.776	ng		100
58) Fluorene	10.475	166	456971	38.186	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	120098	35.983	ng	#	98
60) Diethylphthalate	10.339	149	475428	36.475	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	237125	37.479	ng		96
62) 4-Nitroaniline	10.486	138	111123	36.275	ng		96
63) Azobenzene	10.622	77	511202	37.526	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	73177	41.812	ng		97
66) n-Nitrosodiphenylamine	10.580	169	440289	40.263	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	145024	37.679	ng		98
68) Hexachlorobenzene	11.022	284	164539	36.926	ng		98
69) Atrazine	11.110	200	118727	35.821	ng		98
70) Pentachlorophenol	11.222	266	92458	36.128	ng		97
71) Phenanthrene	11.439	178	652589	38.651	ng		99
72) Anthracene	11.492	178	661923	38.807	ng		100
73) Carbazole	11.645	167	566341	37.489	ng		99
74) Di-n-butylphthalate	11.975	149	649289	37.085	ng		99
75) Fluoranthene	12.627	202	612645	35.129	ng		98
77) Benzidine	12.757	184	196752	32.073	ng		99
78) Pyrene	12.863	202	631120	42.849	ng		100
80) Butylbenzylphthalate	13.474	149	194973	40.760	ng		99
81) Benzo(a)anthracene	14.051	228	455394	39.389	ng		99
82) 3,3'-Dichlorobenzidine	14.016	252	143273	40.664	ng		99
83) Chrysene	14.086	228	430745	40.255	ng		98
84) Bis(2-ethylhexyl)phtha...	14.033	149	241084	41.810	ng		99
85) Di-n-octyl phthalate	14.651	149	447041	47.203	ng		99
87) Indeno(1,2,3-cd)pyrene	17.057	276	609064	47.654	ng		97
88) Benzo(b)fluoranthene	15.110	252	409111	34.144	ng		100
89) Benzo(k)fluoranthene	15.139	252	416554	37.571	ng		98
90) Benzo(a)pyrene	15.480	252	406966	39.171	ng	#	97
91) Dibenzo(a,h)anthracene	17.068	278	492066	47.870	ng		97
92) Benzo(g,h,i)perylene	17.509	276	497793	48.426	ng		97

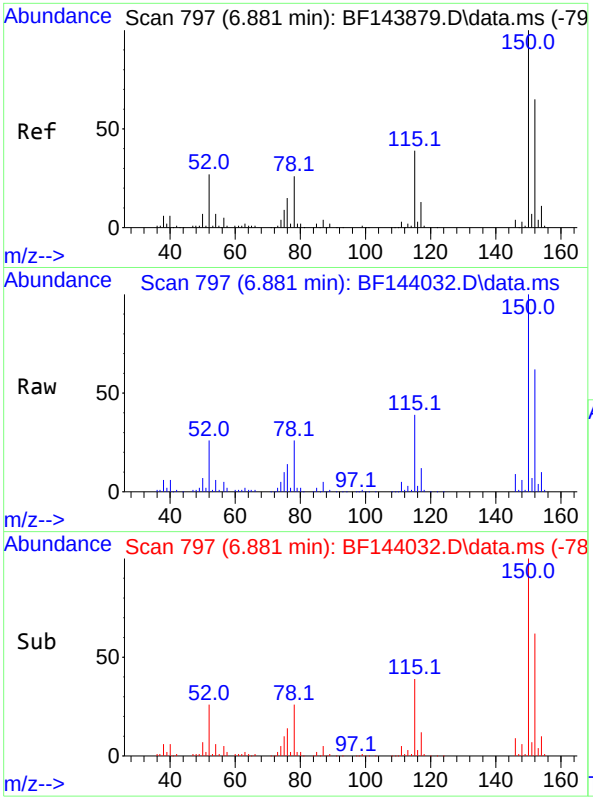
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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



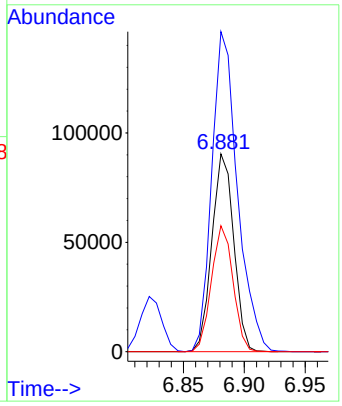


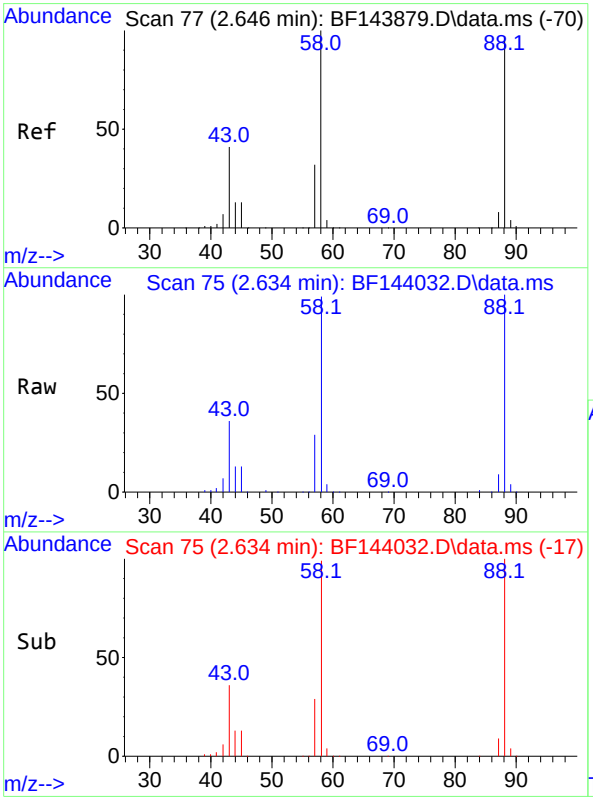
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 112960

Ion	Ratio	Lower	Upper
152	100		
150	161.7	124.4	186.6
115	63.7	48.1	72.1

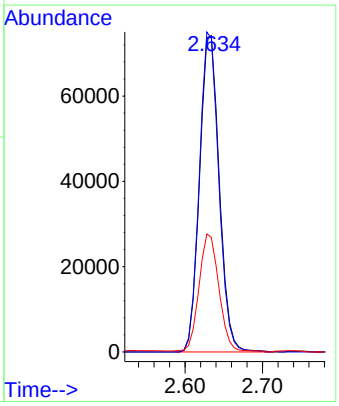


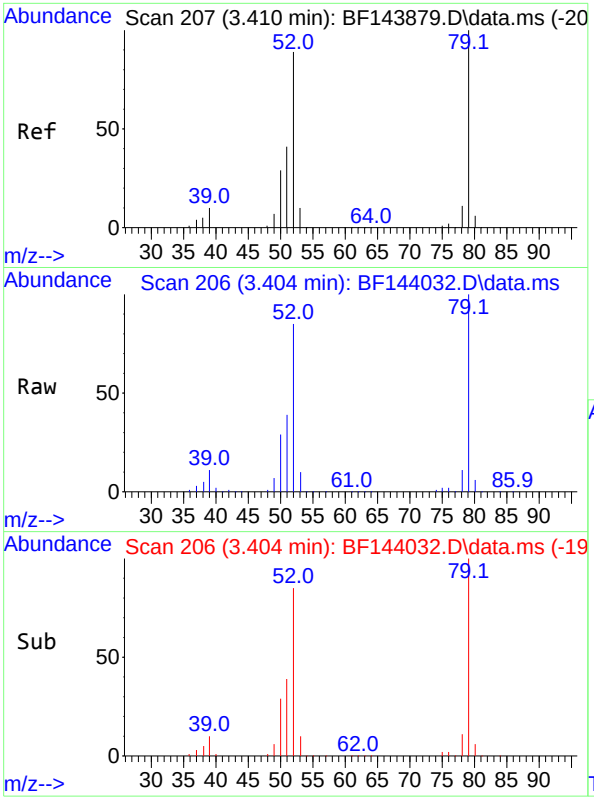


#2
1,4-Dioxane
Concen: 39.771 ng
RT: 2.634 min Scan# 75
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 88 Resp: 130914

Ion	Ratio	Lower	Upper
88	100		
58	99.5	83.0	124.6
43	38.0	33.9	50.9



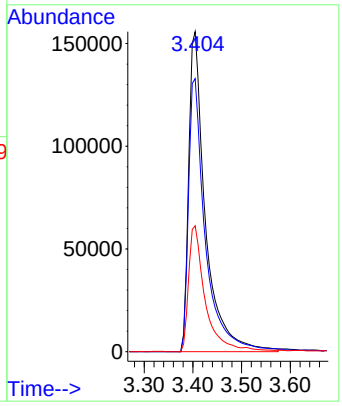


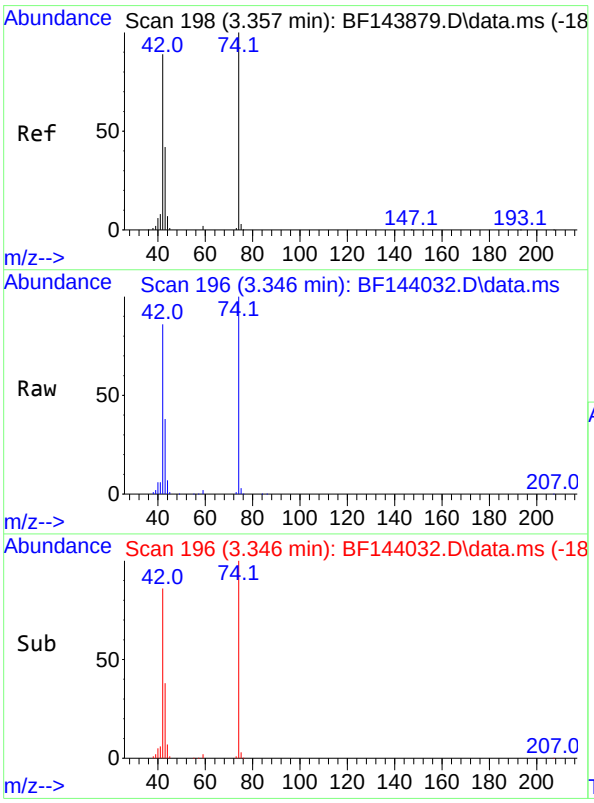
#3
Pyridine
Concen: 38.793 ng
RT: 3.404 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 371739

Ion	Ratio	Lower	Upper
79	100		
52	85.3	71.5	107.3
51	39.3	32.9	49.3

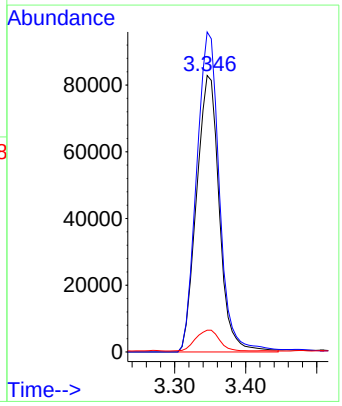


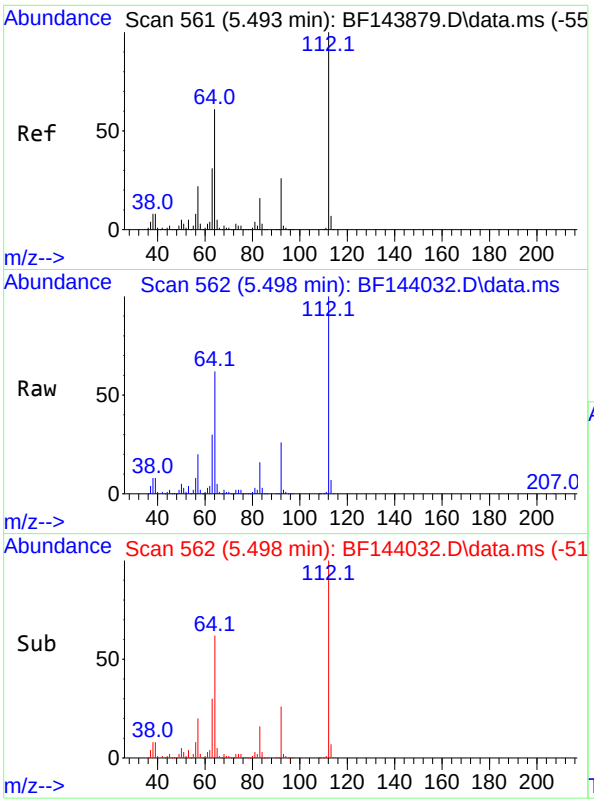


#4
n-Nitrosodimethylamine
Concen: 36.698 ng
RT: 3.346 min Scan# 196
Delta R.T. -0.041 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 42 Resp: 184996

Ion	Ratio	Lower	Upper
42	100		
74	115.8	90.0	135.0
44	7.9	6.2	9.2



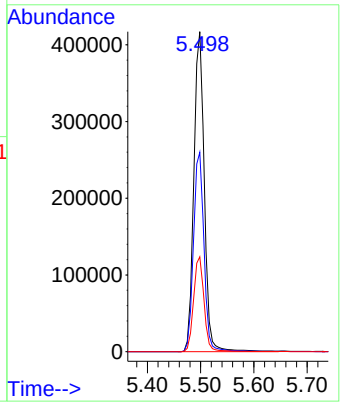


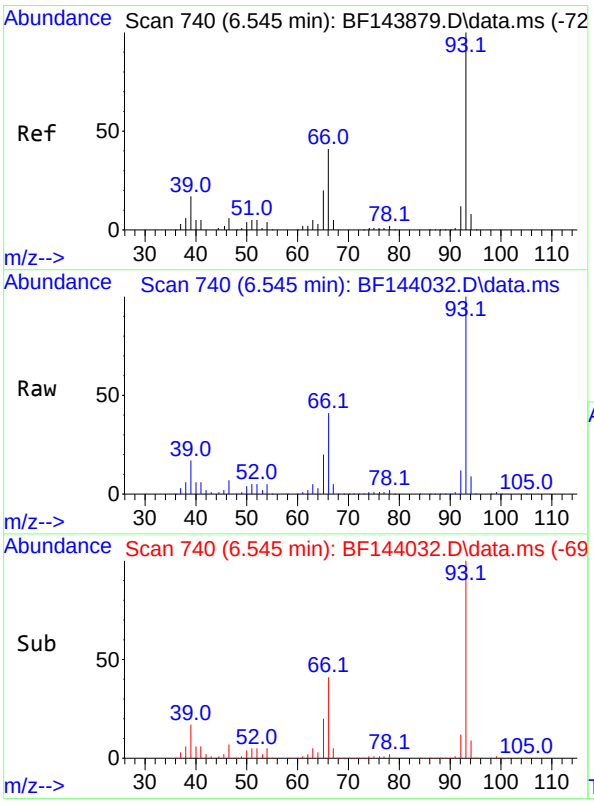
#5
2-Fluorophenol
Concen: 80.225 ng
RT: 5.498 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 570670

Ion	Ratio	Lower	Upper
112	100		
64	62.3	49.1	73.7
63	29.6	24.5	36.7

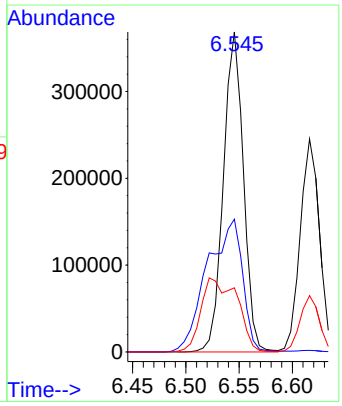


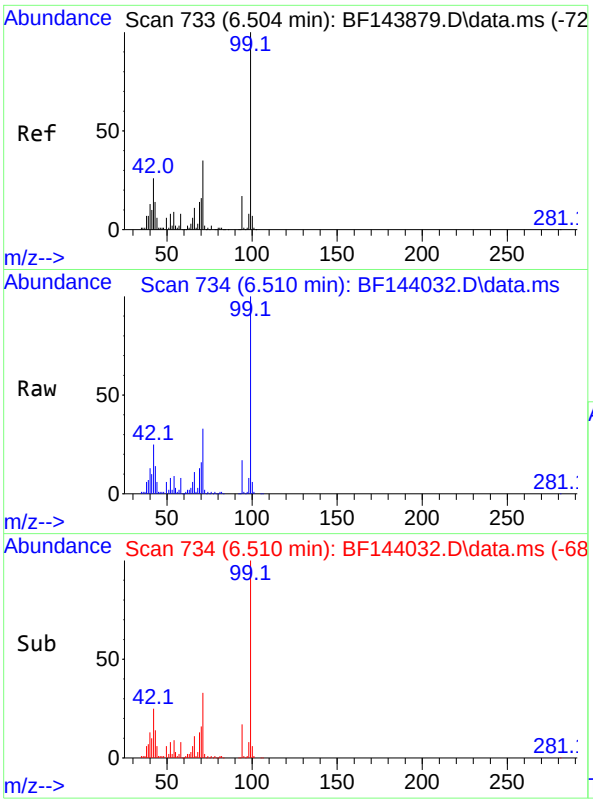


#6
Aniline
Concen: 37.979 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 93 Resp: 482545

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.0	49.6
65	20.1	15.8	23.8



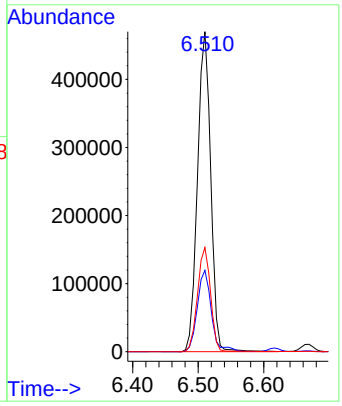


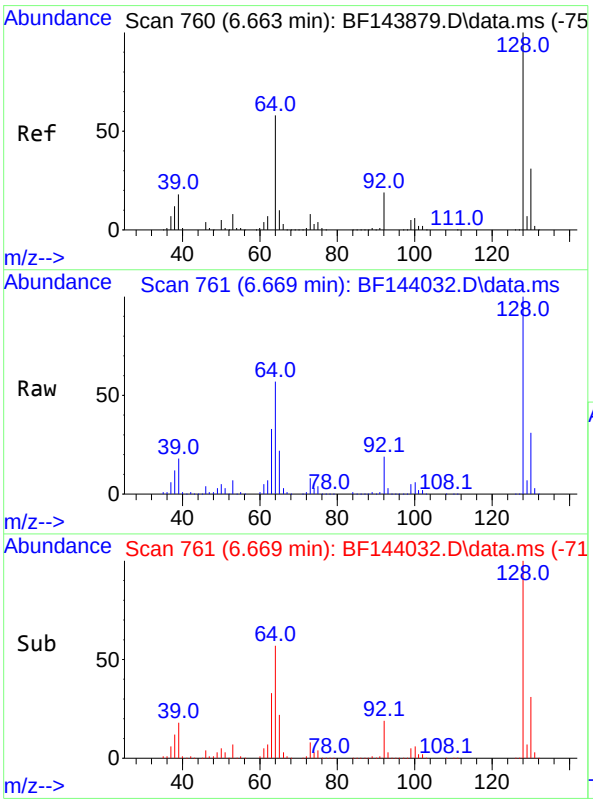
#7
Phenol-d6
Concen: 77.752 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 659248

Ion	Ratio	Lower	Upper
99	100		
42	25.4	21.0	31.4
71	32.6	27.8	41.8

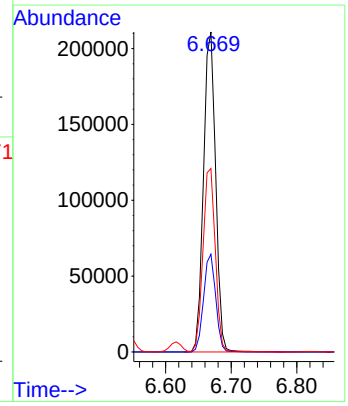


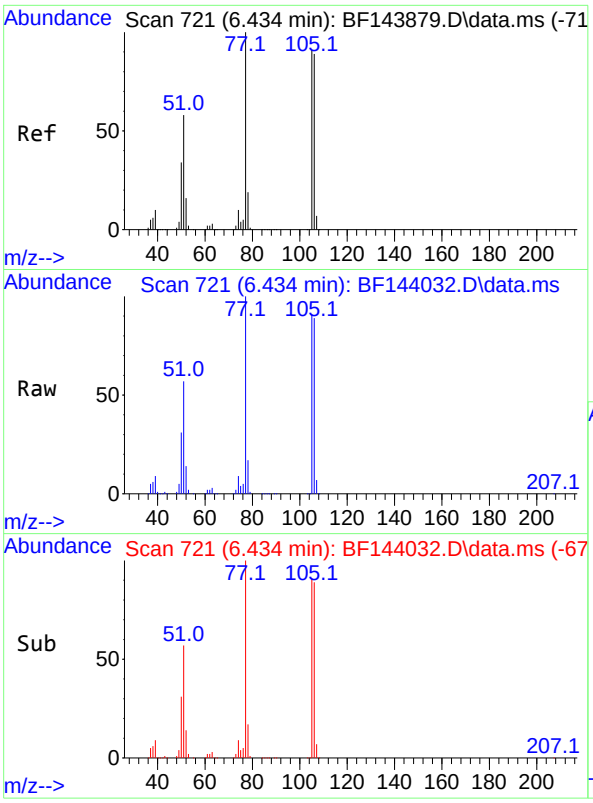


#8
2-Chlorophenol
Concen: 39.162 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:128 Resp: 272303

Ion	Ratio	Lower	Upper
128	100		
130	30.6	10.7	50.7
64	57.3	39.0	79.0



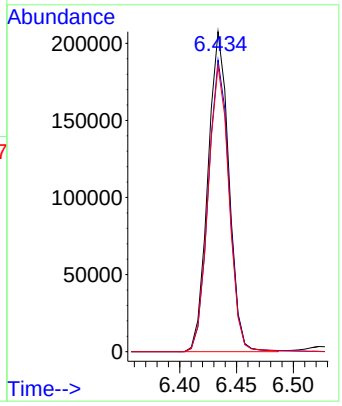


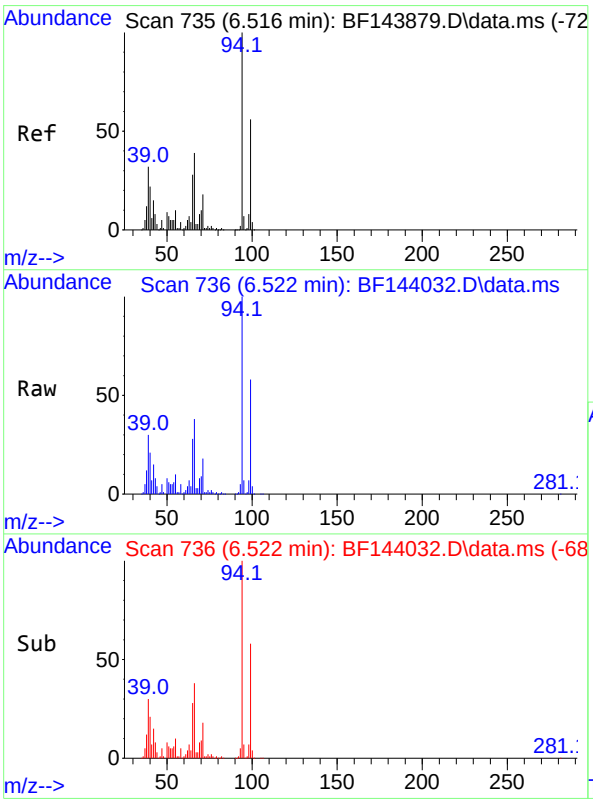
#9
Benzaldehyde
Concen: 40.630 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 265748

Ion	Ratio	Lower	Upper
77	100		
105	91.1	70.9	110.9
106	89.3	68.9	108.9

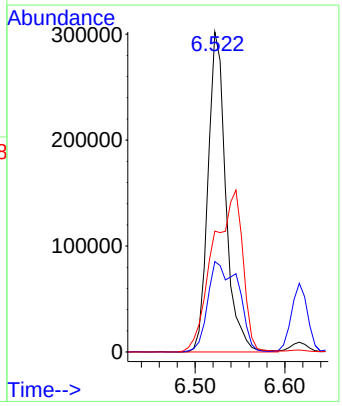


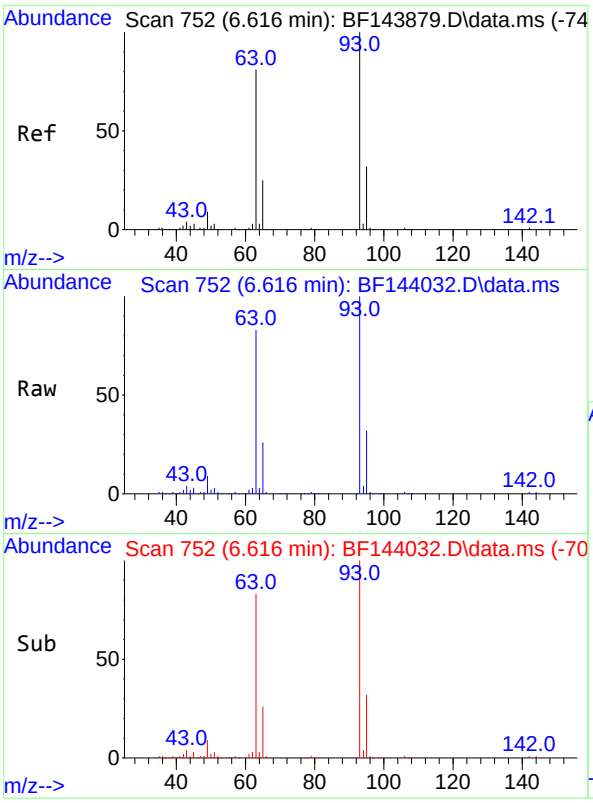


#10
Phenol
Concen: 40.961 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 94 Resp: 415210

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.5	48.5
66	37.8	19.9	59.9



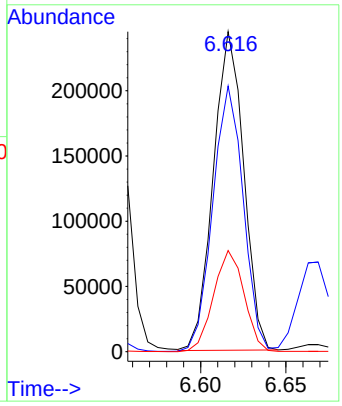


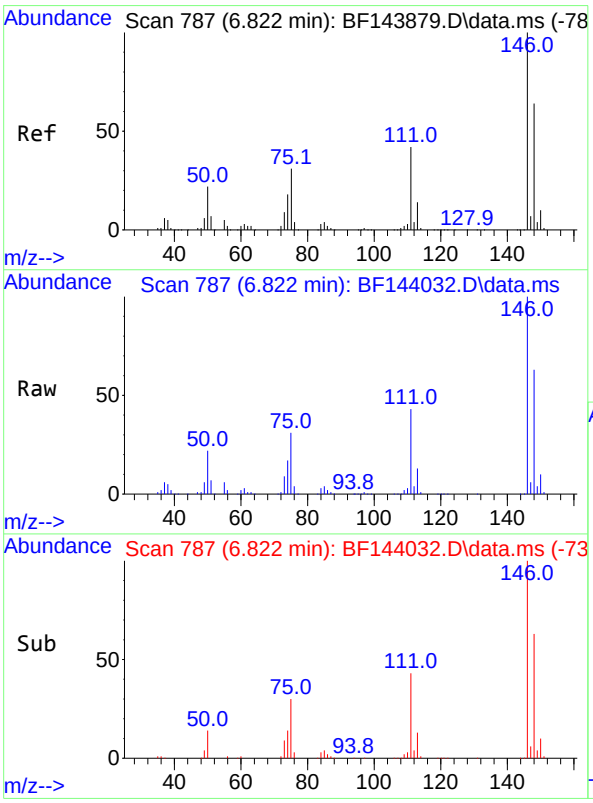
#11
bis(2-Chloroethyl)ether
Concen: 38.721 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 303201

Ion	Ratio	Lower	Upper
93	100		
63	83.0	60.9	100.9
95	31.6	11.5	51.5

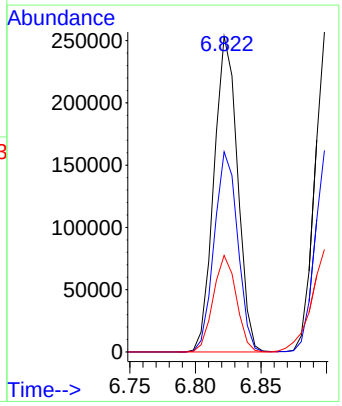


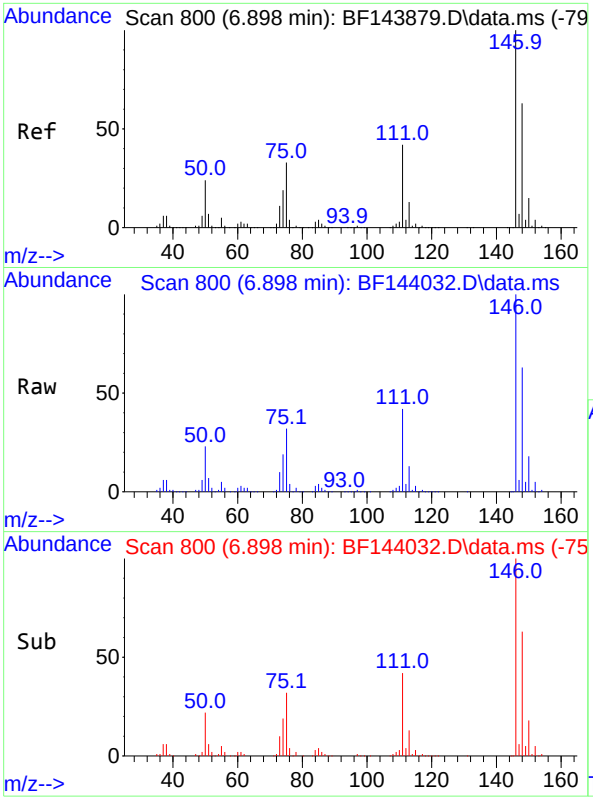


#12
1,3-Dichlorobenzene
Concen: 38.108 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:146 Resp: 317188

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.0	76.4
75	30.6	24.9	37.3



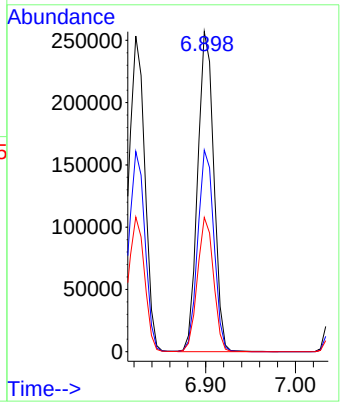


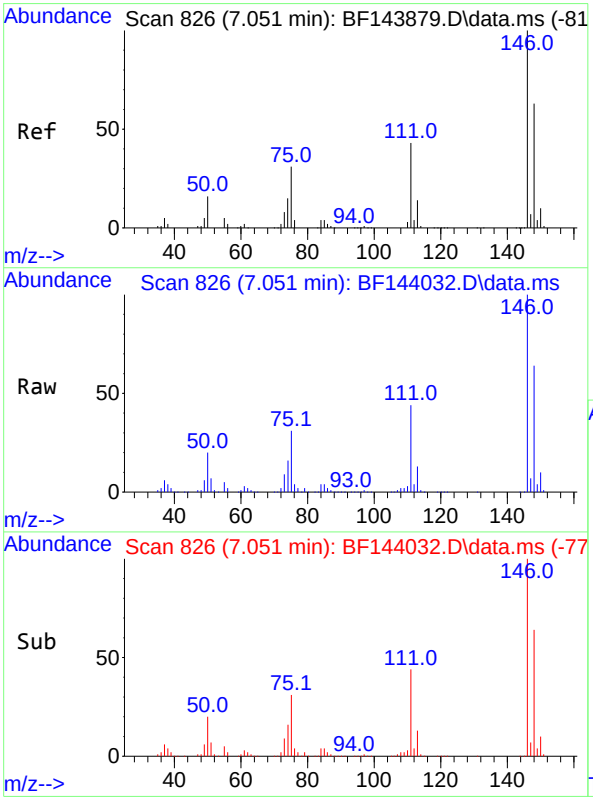
#13
1,4-Dichlorobenzene
Concen: 39.051 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 320620

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
111	42.0	33.4	50.0

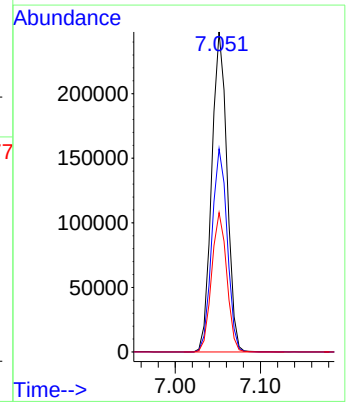


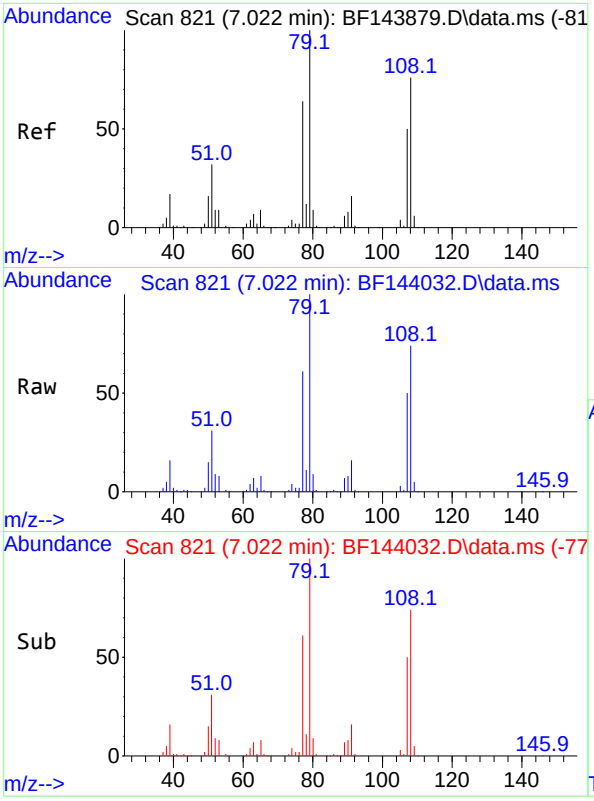


#14
1,2-Dichlorobenzene
Concen: 39.302 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:146 Resp: 309073

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.6	75.8
111	43.5	34.6	51.8



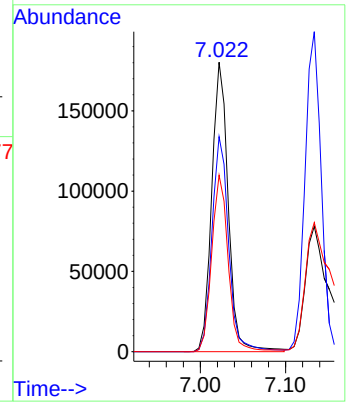


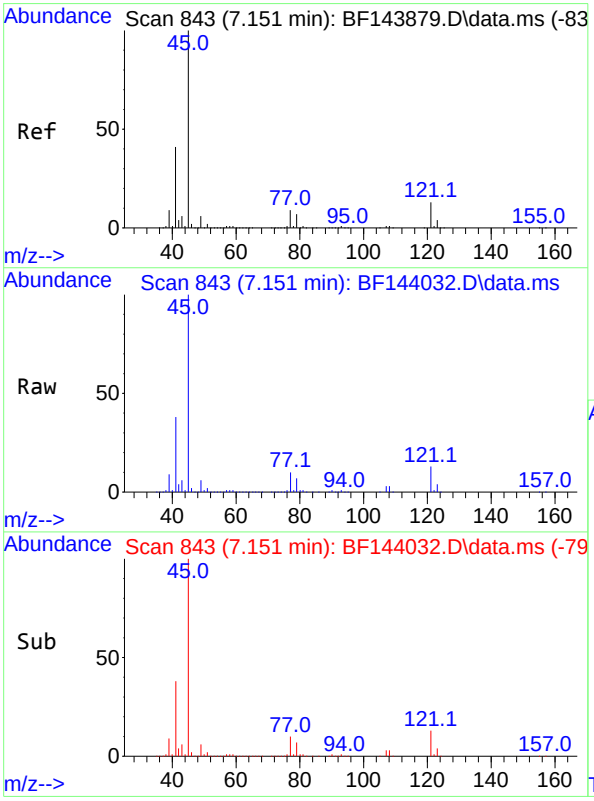
#15
Benzyl Alcohol
Concen: 38.164 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 242449

Ion	Ratio	Lower	Upper
79	100		
108	74.3	60.8	91.2
77	61.0	51.0	76.6

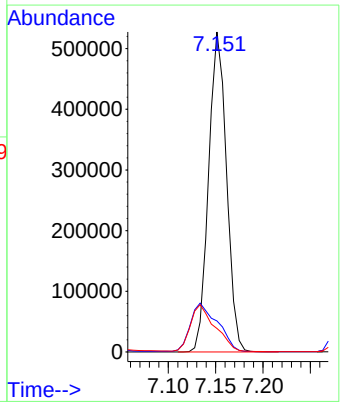


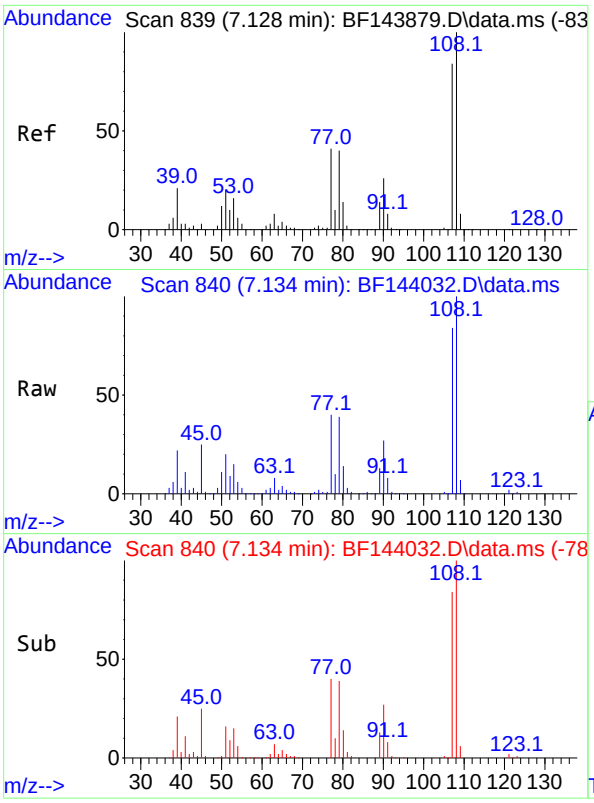


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.888 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 45 Resp: 693138

Ion	Ratio	Lower	Upper
45	100		
77	9.7	0.0	29.0
79	7.3	0.0	26.8



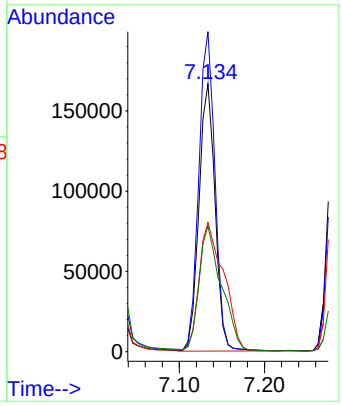


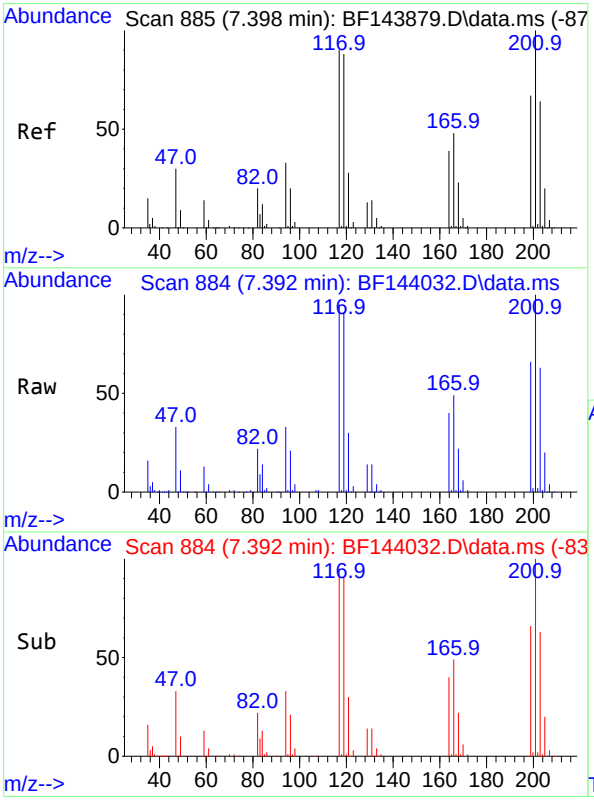
#17
2-Methylphenol
Concen: 38.143 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 219189

Ion	Ratio	Lower	Upper
107	100		
108	119.5	94.7	142.1
77	48.2	38.8	58.2
79	46.9	38.3	57.5

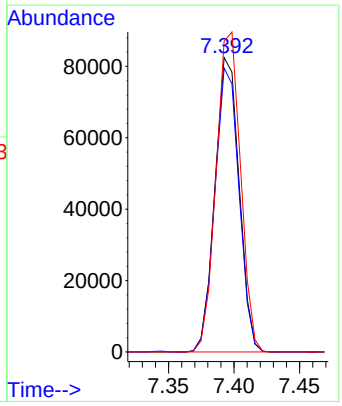


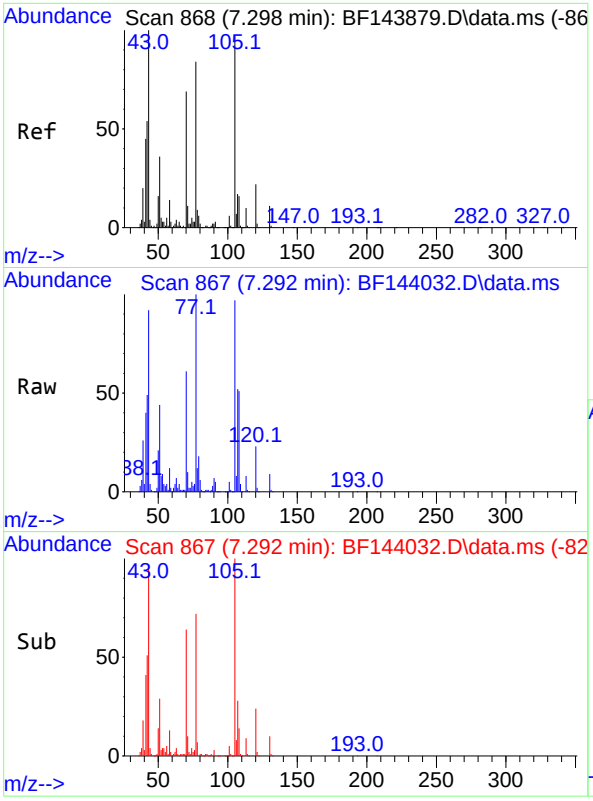


#18
Hexachloroethane
Concen: 38.681 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:117 Resp: 105913

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.8	116.8
201	105.5	88.5	132.7



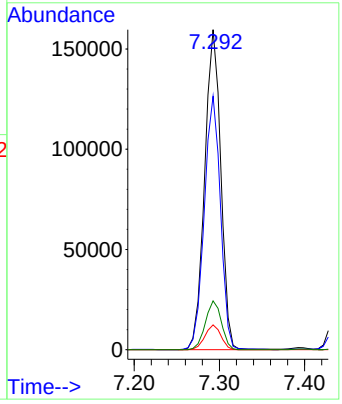


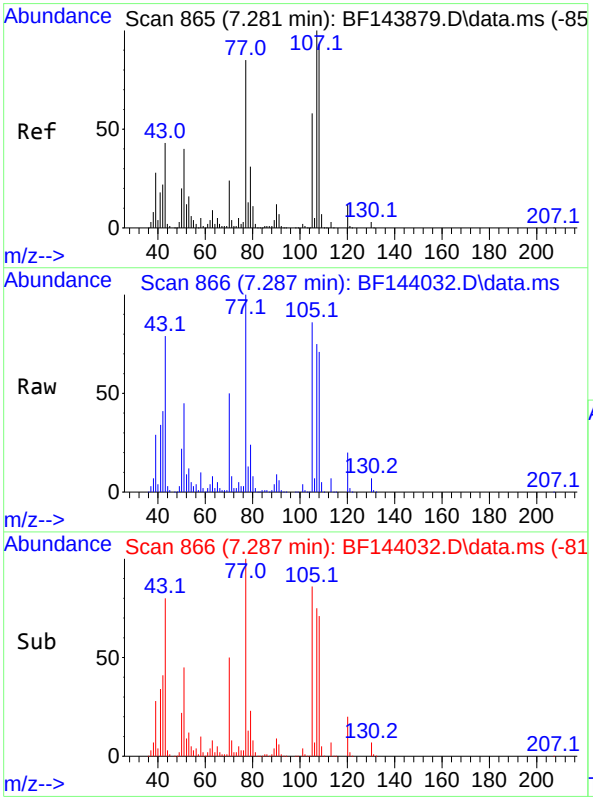
#19
n-Nitroso-di-n-propylamine
Concen: 36.214 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 210181

Ion	Ratio	Lower	Upper
70	100		
42	79.2	62.8	94.2
101	7.7	6.7	10.1
130	15.3	13.0	19.4

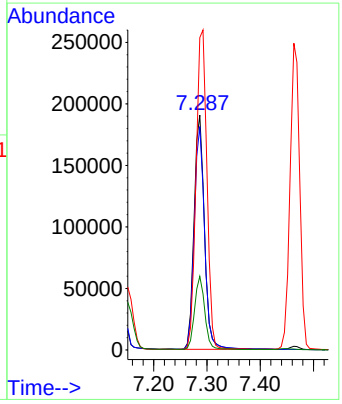


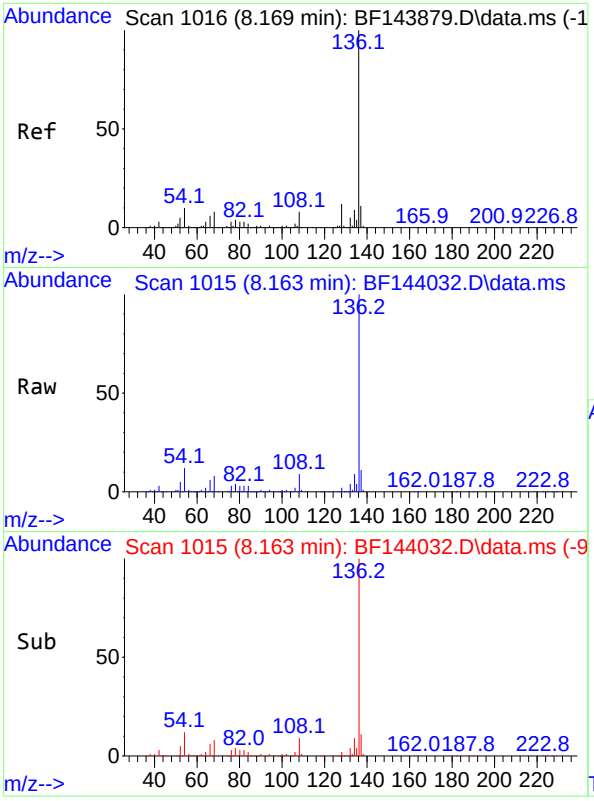


#20
3+4-Methylphenols
Concen: 38.820 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:107 Resp: 258547

Ion	Ratio	Lower	Upper
107	100		
108	95.1	73.0	113.0
77	133.0	64.6	104.6#
79	31.3	11.5	51.5



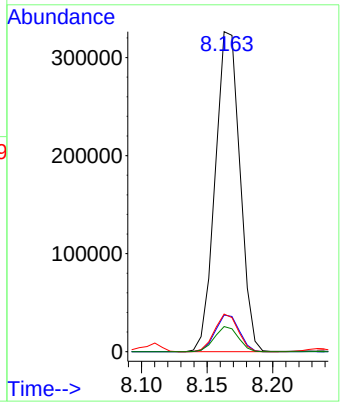


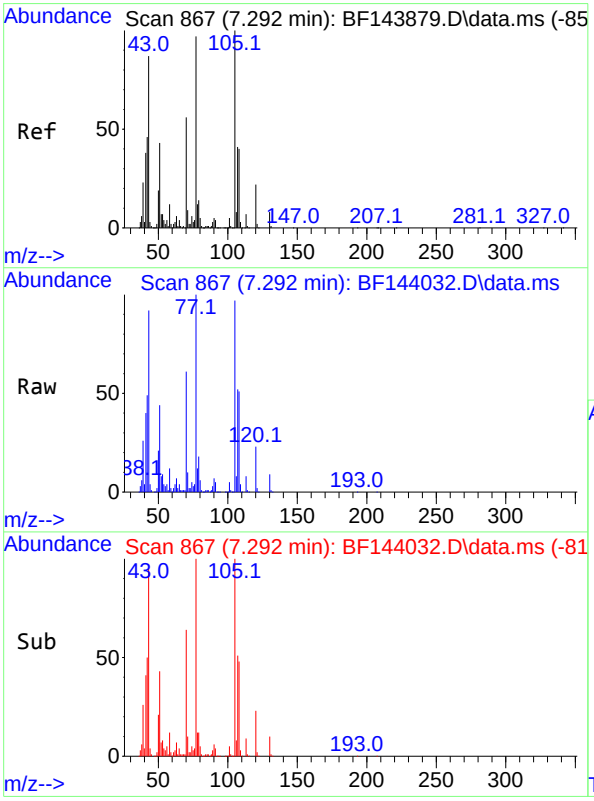
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 428129

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	11.7	8.2	12.4
68	7.8	6.2	9.4

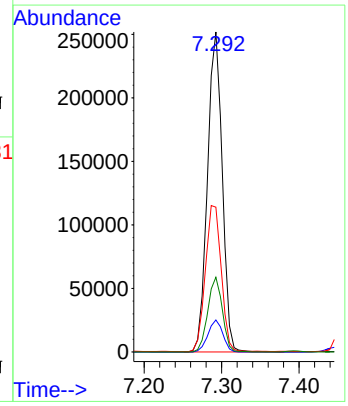


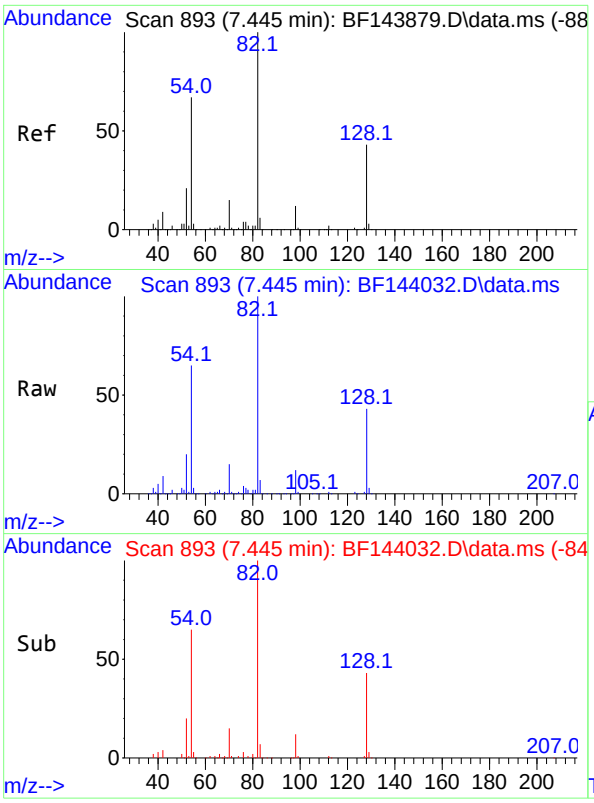


#22
Acetophenone
Concen: 36.806 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:105 Resp: 333187

Ion	Ratio	Lower	Upper
105	100		
71	10.0	7.4	11.0
51	45.3	34.2	51.4
120	23.4	17.7	26.5



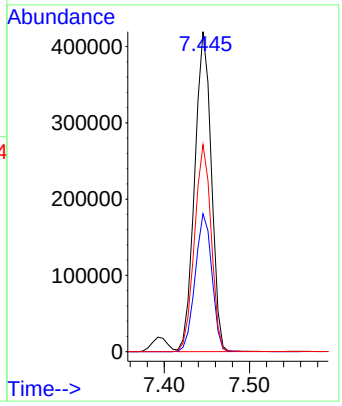


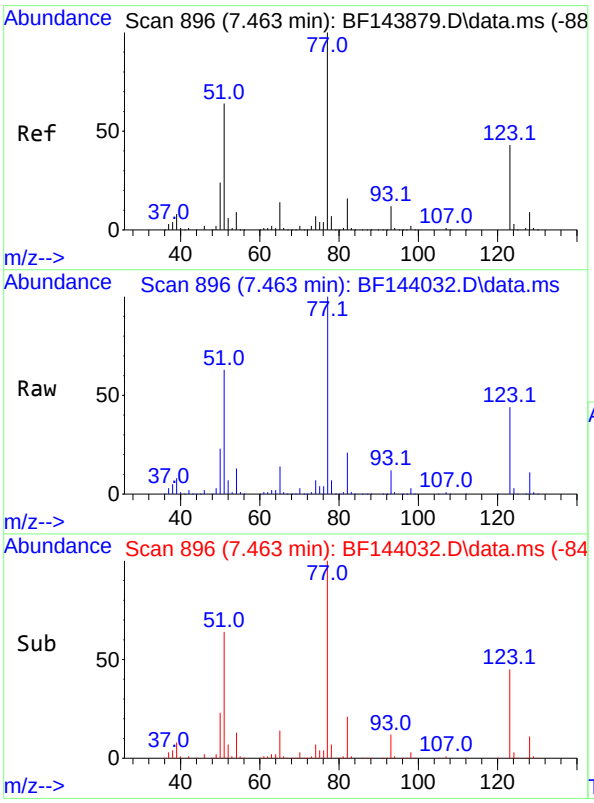
#23
Nitrobenzene-d5
Concen: 80.513 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 567360

Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.0	51.0
54	64.7	53.2	79.8

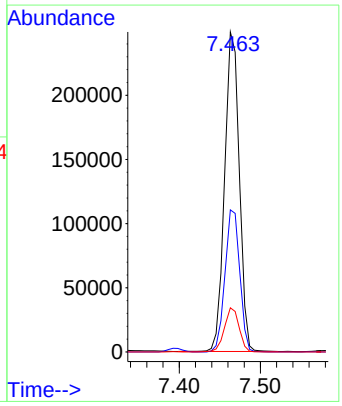


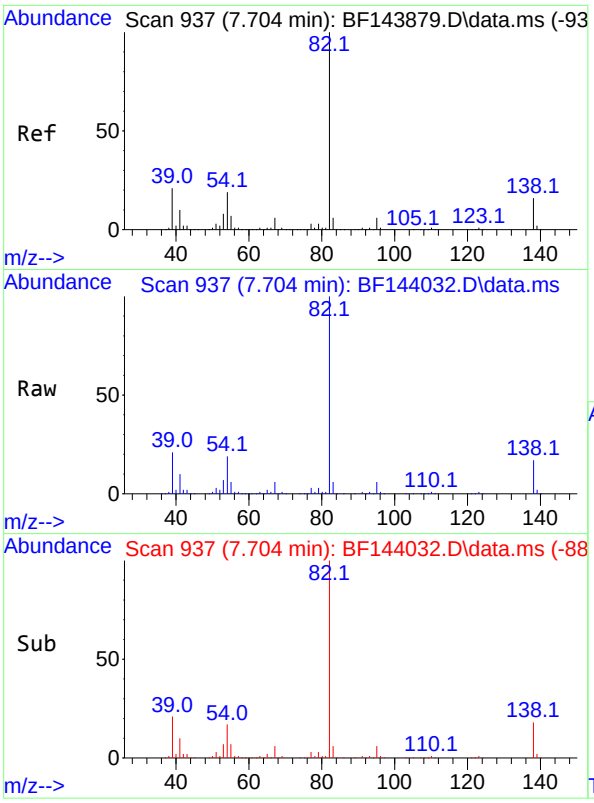


#24
Nitrobenzene
Concen: 40.091 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 77 Resp: 313733

Ion	Ratio	Lower	Upper
77	100		
123	44.4	34.2	51.4
65	13.8	11.0	16.6



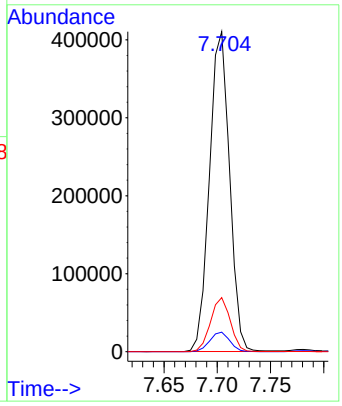


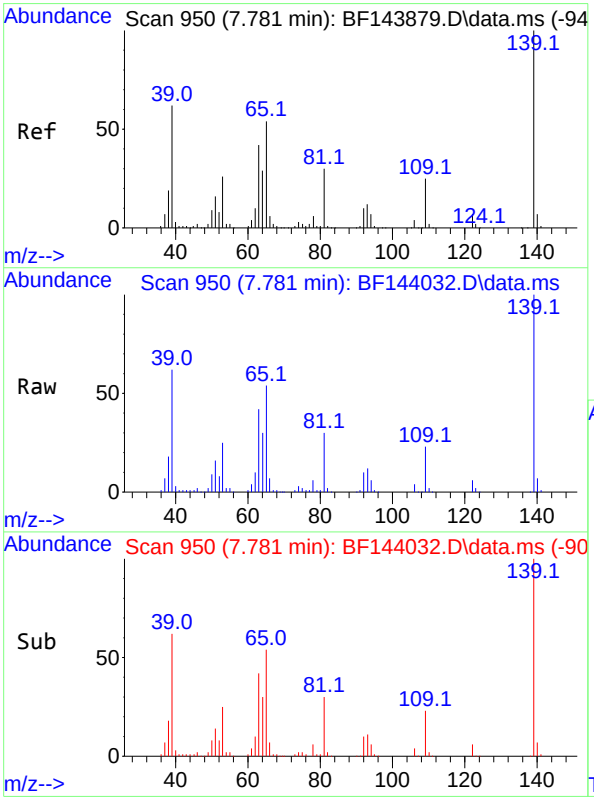
#25
Isophorone
Concen: 36.283 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 539108

Ion	Ratio	Lower	Upper
82	100		
95	6.1	5.1	7.7
138	16.9	12.9	19.3

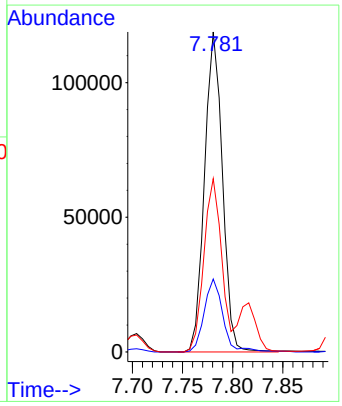


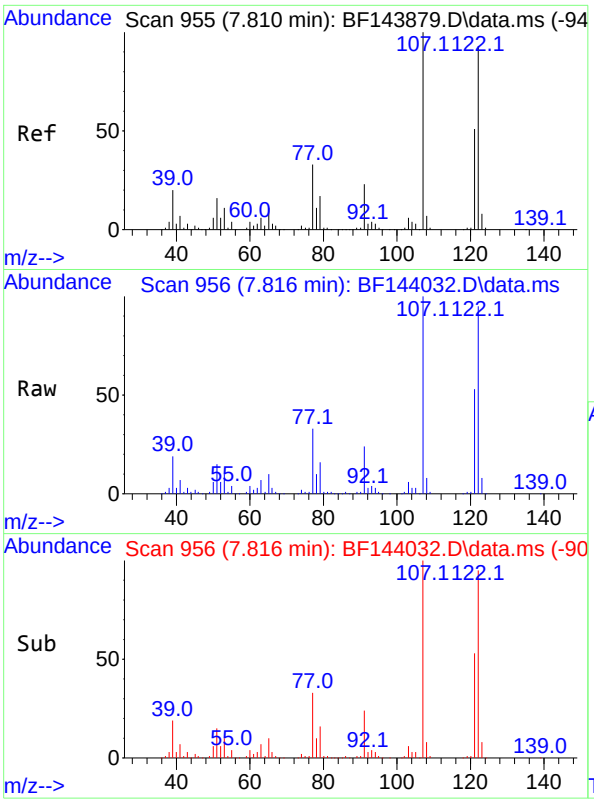


#26
2-Nitrophenol
Concen: 44.102 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:139 Resp: 147965

Ion	Ratio	Lower	Upper
139	100		
109	22.8	19.8	29.6
65	54.1	42.9	64.3



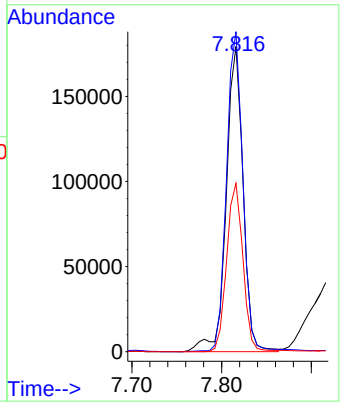


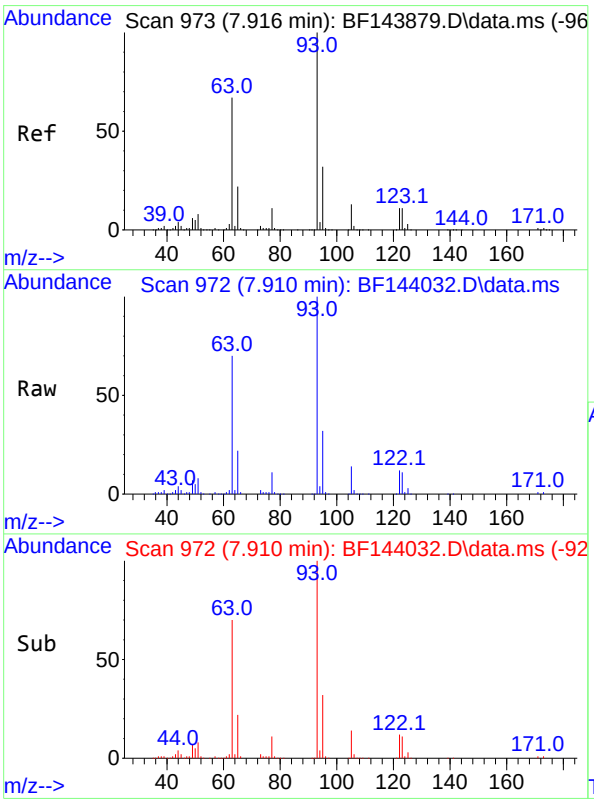
#27
2,4-Dimethylphenol
Concen: 38.775 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 234021

Ion	Ratio	Lower	Upper
122	100		
107	104.9	86.1	129.1
121	55.1	43.8	65.6

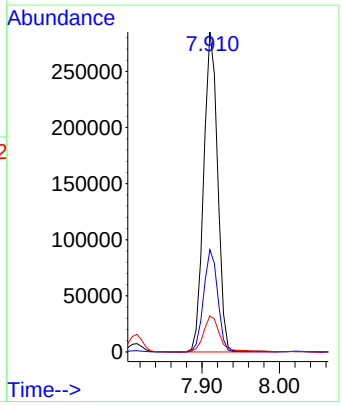


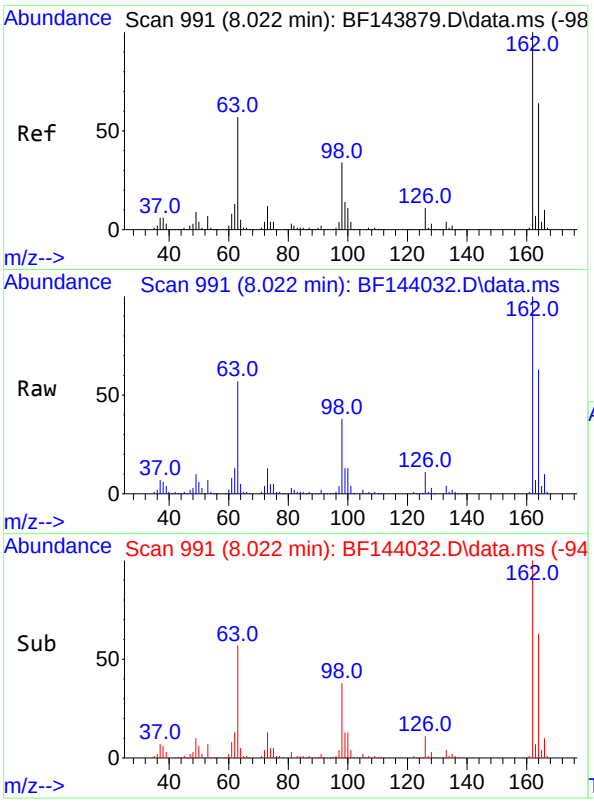


#28
bis(2-Chloroethoxy)methane
Concen: 38.064 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 93 Resp: 357265

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.9	38.9
123	11.2	9.4	14.0



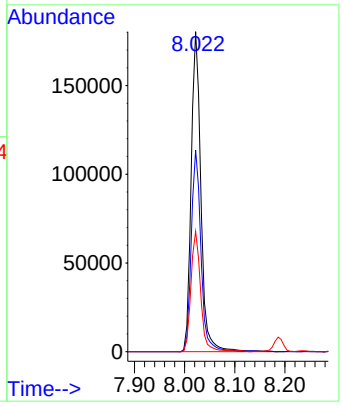


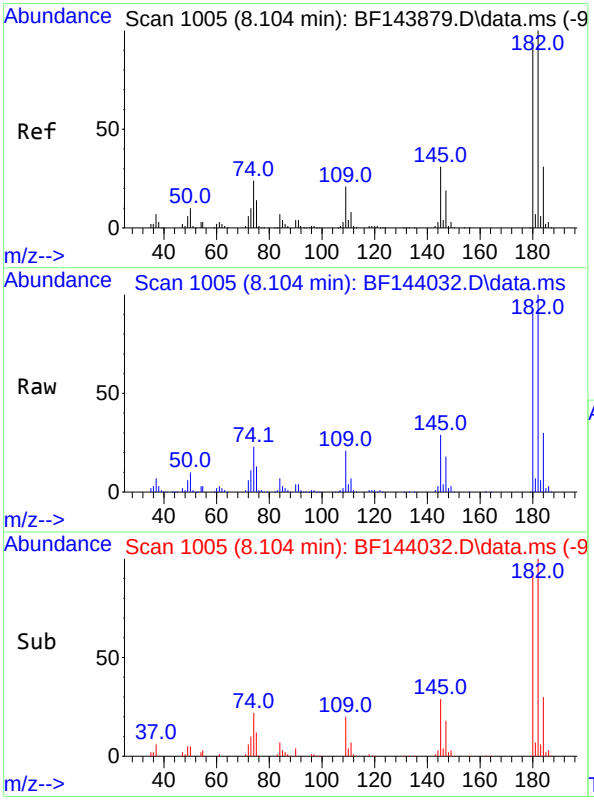
#29
2,4-Dichlorophenol
Concen: 38.622 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 242803

Ion	Ratio	Lower	Upper
162	100		
164	63.0	43.9	83.9
98	37.6	14.4	54.4

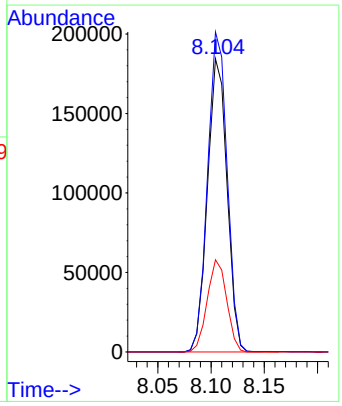


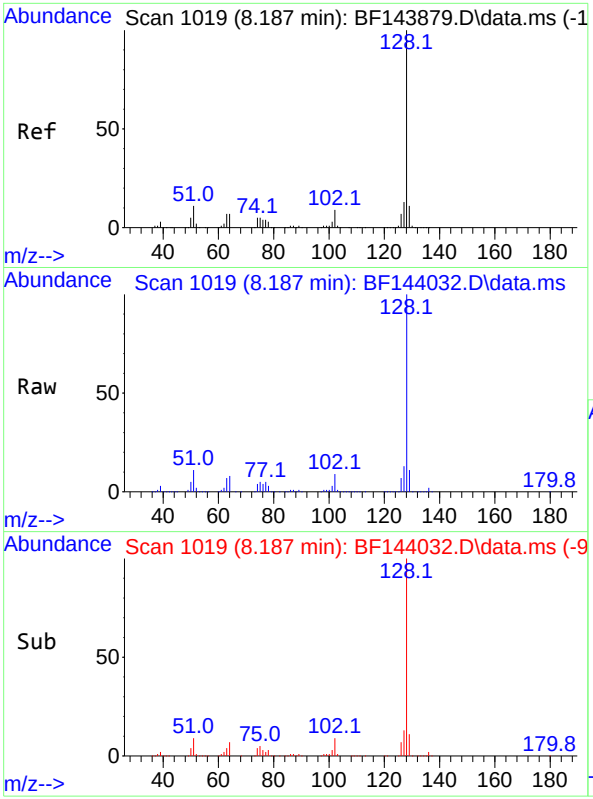


#30
1,2,4-Trichlorobenzene
Concen: 38.111 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:180 Resp: 235631

Ion	Ratio	Lower	Upper
180	100		
182	109.2	85.4	128.0
145	31.4	26.3	39.5



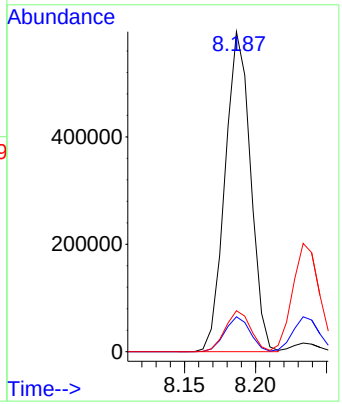


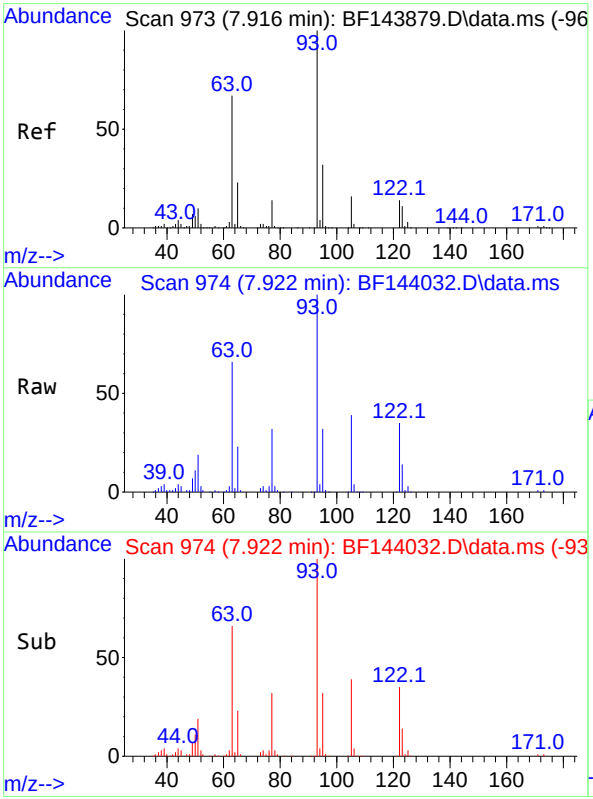
#31
Naphthalene
Concen: 38.125 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 742491

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.8	10.0	15.0

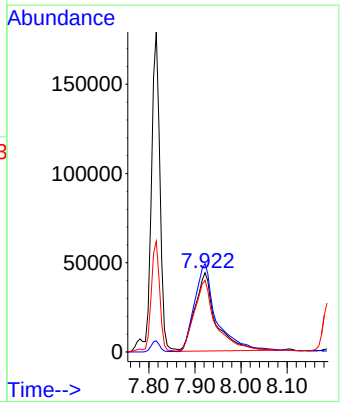


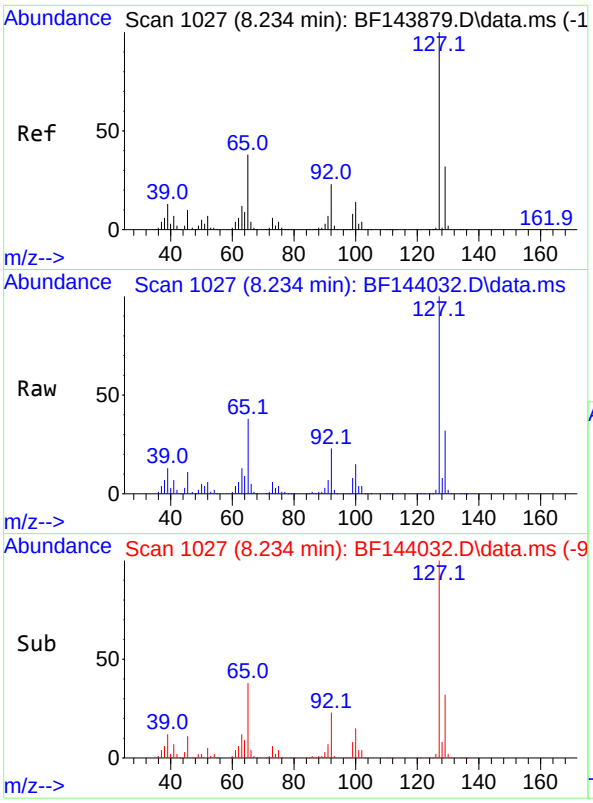


#32
Benzoic acid
Concen: 33.454 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.041 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:122 Resp: 139736

Ion	Ratio	Lower	Upper
122	100		
105	111.6	93.5	133.5
77	90.3	76.3	116.3



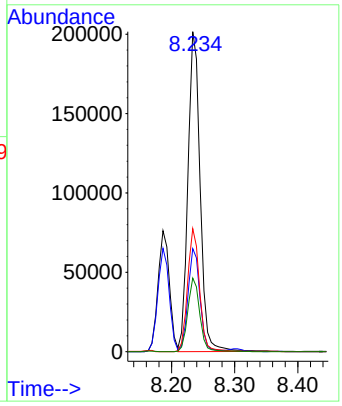


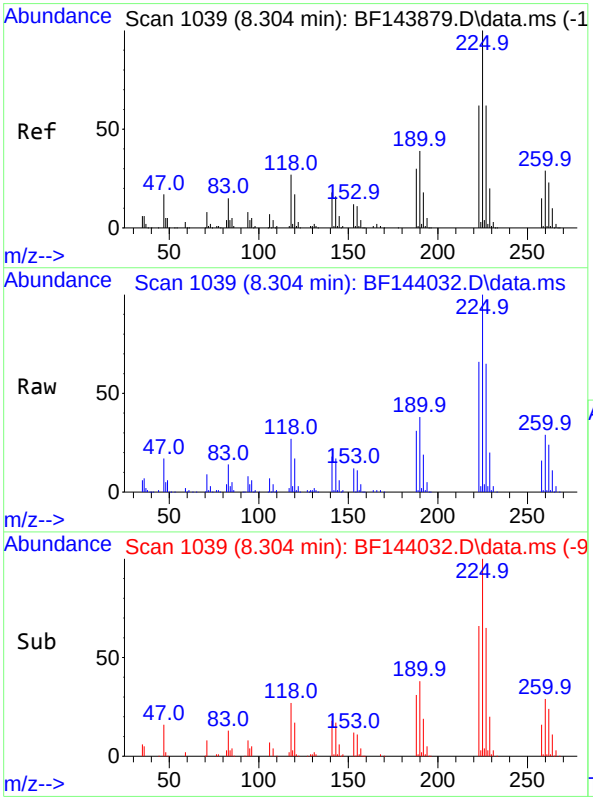
#33
4-Chloroaniline
Concen: 37.121 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 271142

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.8	38.8
65	38.5	30.0	45.0
92	23.0	18.2	27.2

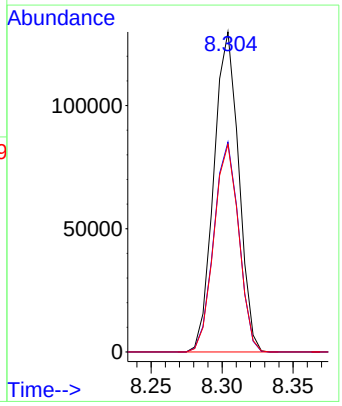


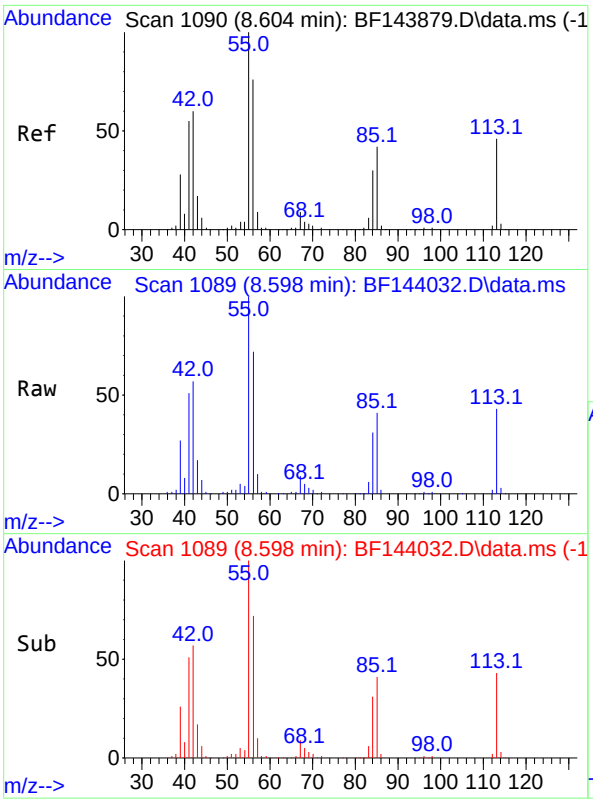


#34
Hexachlorobutadiene
Concen: 36.820 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:225 Resp: 158191

Ion	Ratio	Lower	Upper
225	100		
223	65.5	49.4	74.2
227	64.9	49.7	74.5



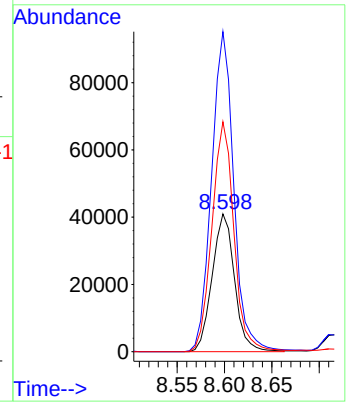


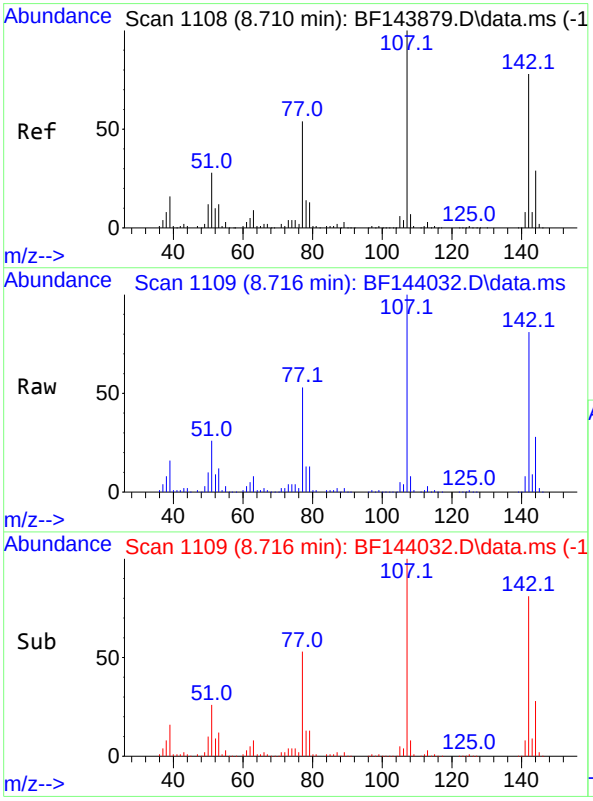
#35
Caprolactam
Concen: 33.592 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 67146

Ion	Ratio	Lower	Upper
113	100		
55	232.4	199.6	239.6
56	166.9	146.0	186.0

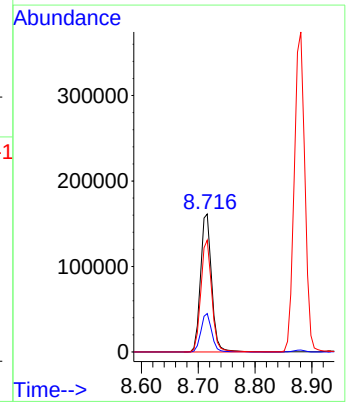


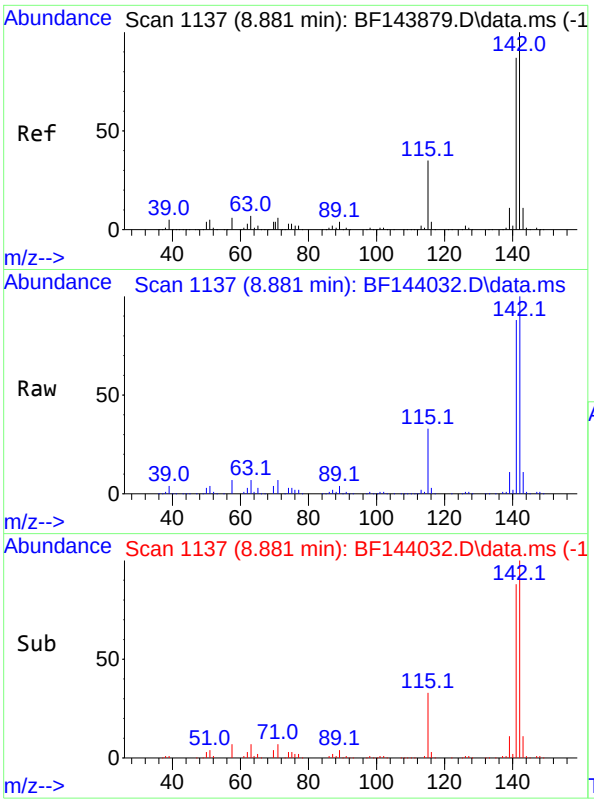


#36
4-Chloro-3-methylphenol
Concen: 36.599 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:107 Resp: 221009

Ion	Ratio	Lower	Upper
107	100		
144	27.8	23.1	34.7
142	81.1	62.6	94.0



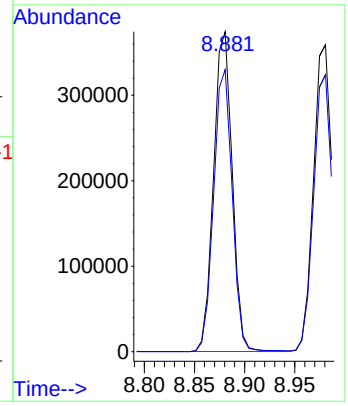


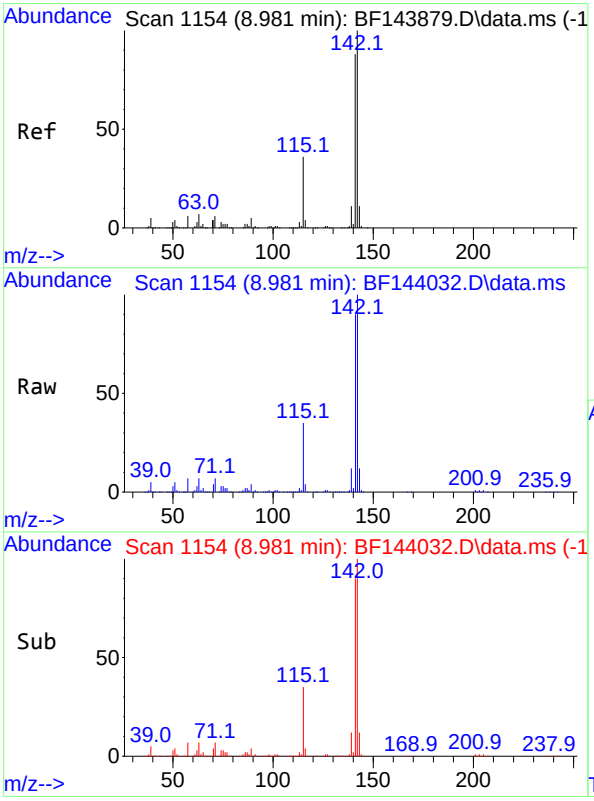
#37
2-Methylnaphthalene
Concen: 37.215 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 482790

Ion	Ratio	Lower	Upper
142	100		
141	88.1	69.2	103.8

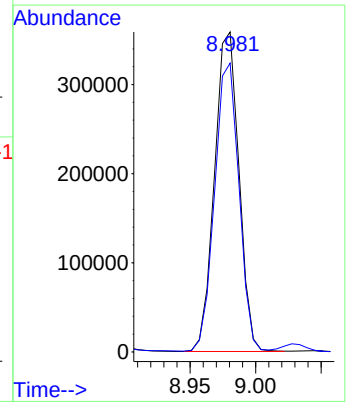


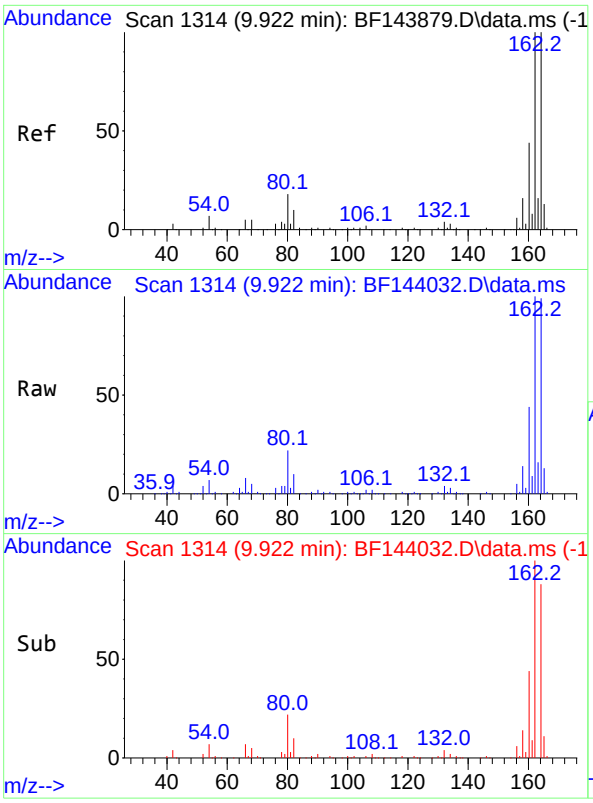


#38
1-Methylnaphthalene
Concen: 36.835 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:142 Resp: 463512

Ion	Ratio	Lower	Upper
142	100		
141	90.2	70.8	106.2



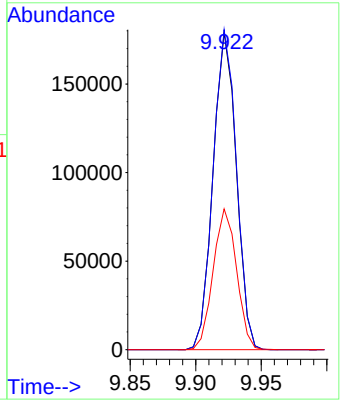


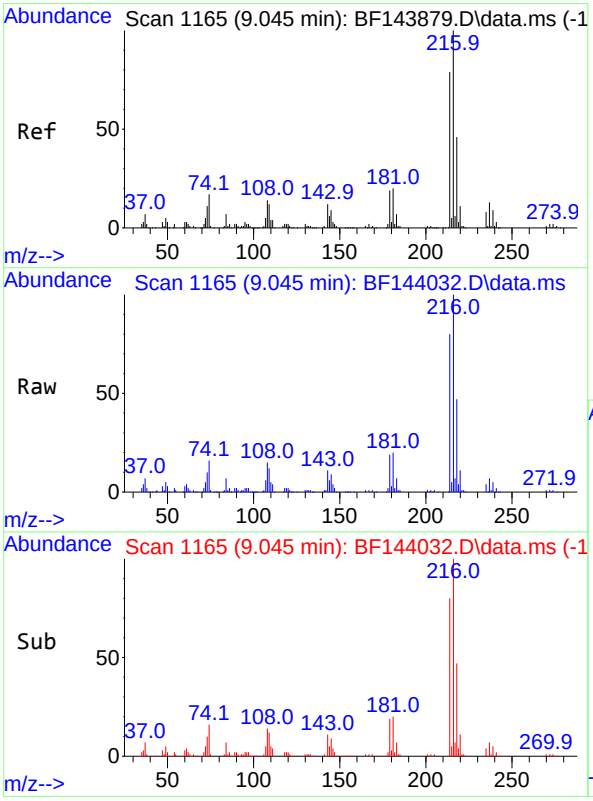
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 220935

Ion	Ratio	Lower	Upper
164	100		
162	100.9	80.2	120.2
160	44.4	35.4	53.0

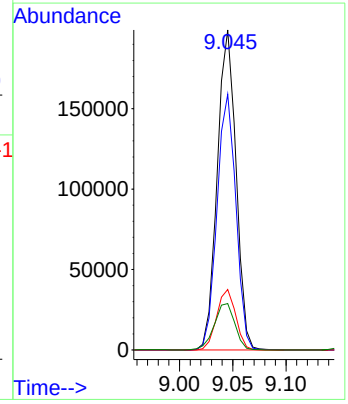


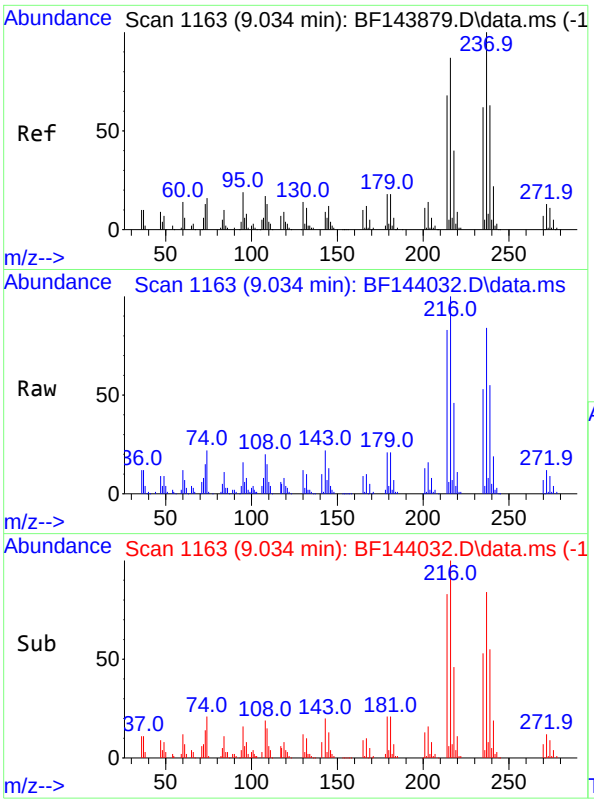


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.935 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:216 Resp: 243860

Ion	Ratio	Lower	Upper
216	100		
214	80.1	62.6	94.0
179	19.1	15.4	23.0
108	16.0	12.0	18.0



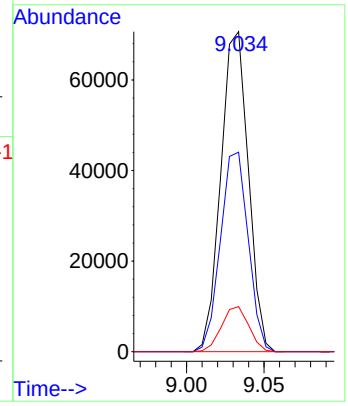


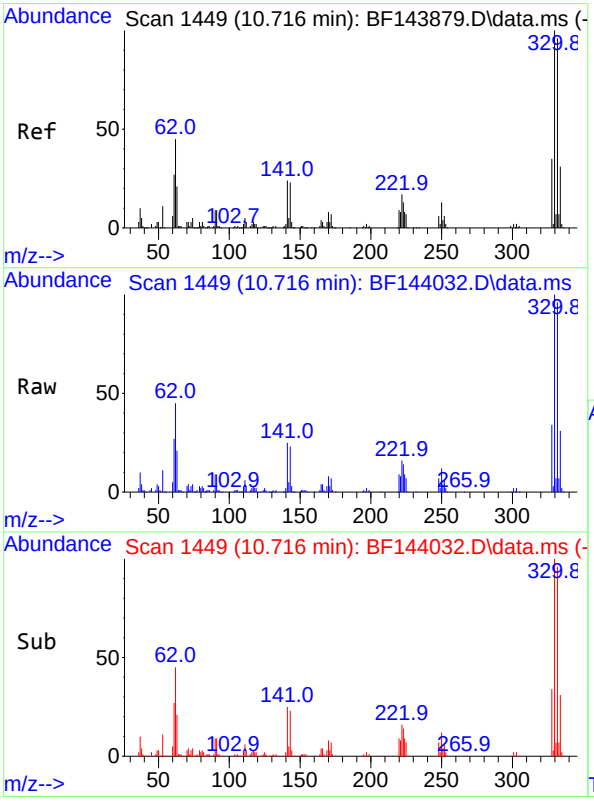
#41
Hexachlorocyclopentadiene
Concen: 34.519 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 87446

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.3	82.3
272	14.1	0.0	33.1

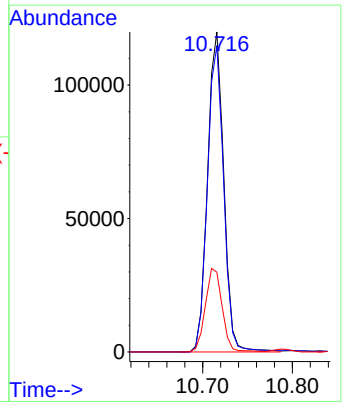


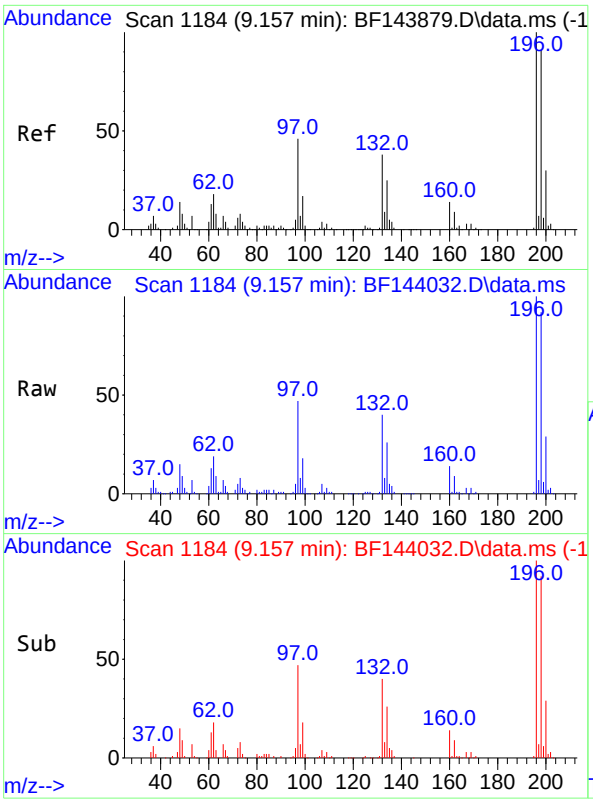


#42
2,4,6-Tribromophenol
Concen: 68.447 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:330 Resp: 150622

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.9	115.3
141	27.1	20.2	30.4



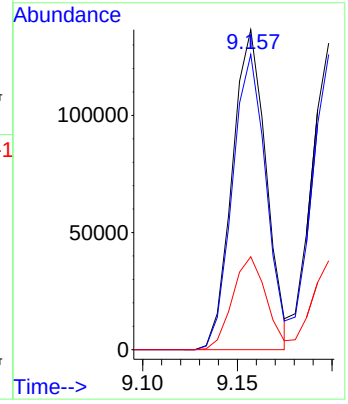


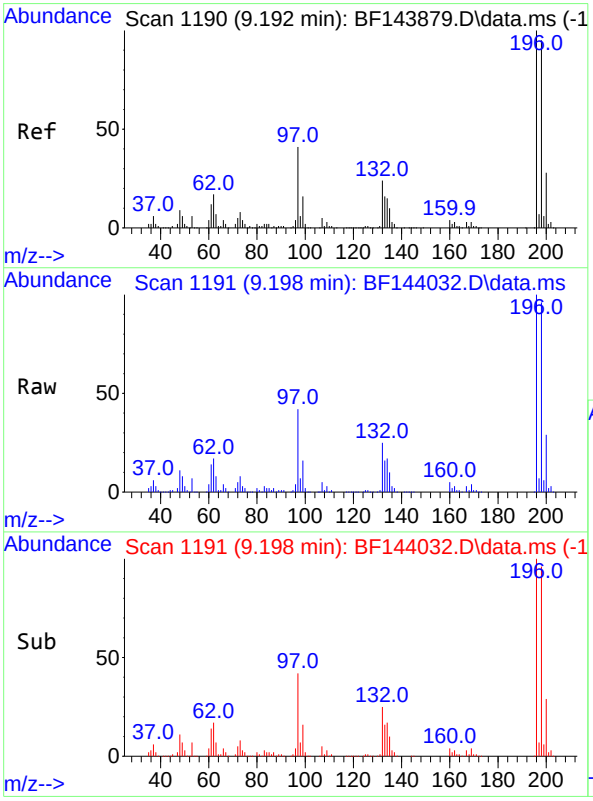
#43
2,4,6-Trichlorophenol
Concen: 38.088 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 169935

Ion	Ratio	Lower	Upper
196	100		
198	92.3	72.8	109.2
200	29.0	24.0	36.0

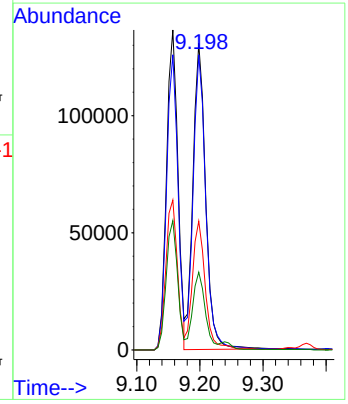


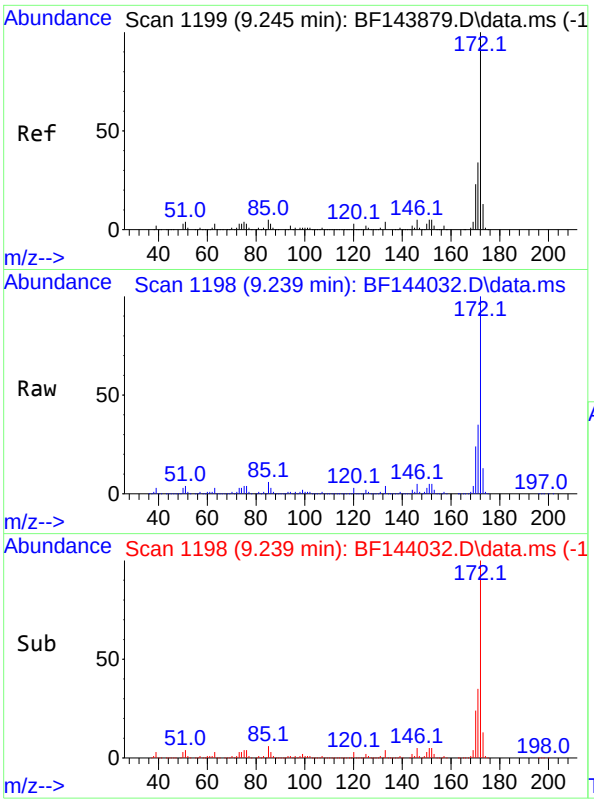


#44
2,4,5-Trichlorophenol
Concen: 38.983 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:196 Resp: 183803

Ion	Ratio	Lower	Upper
196	100		
198	96.3	75.5	113.3
97	42.0	33.9	50.9
132	25.4	20.0	30.0



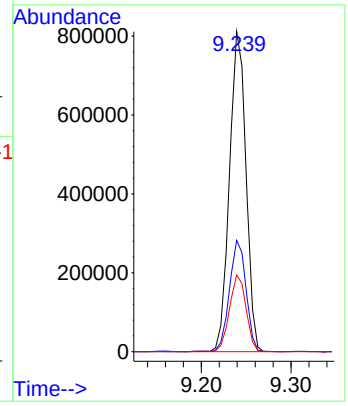


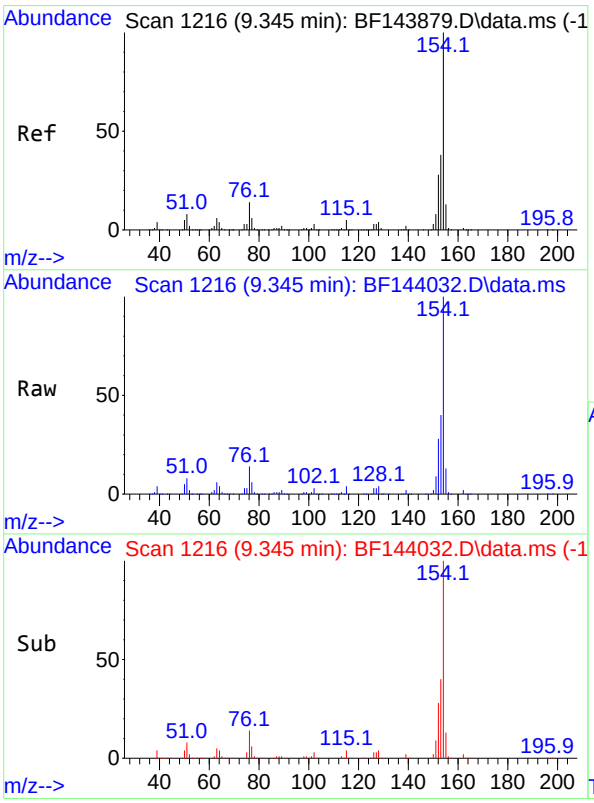
#45
2-Fluorobiphenyl
Concen: 74.454 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1036678

Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.4	41.0
170	23.9	18.6	28.0

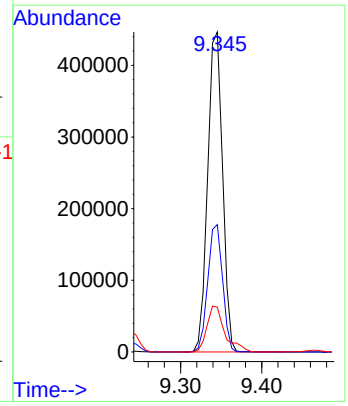


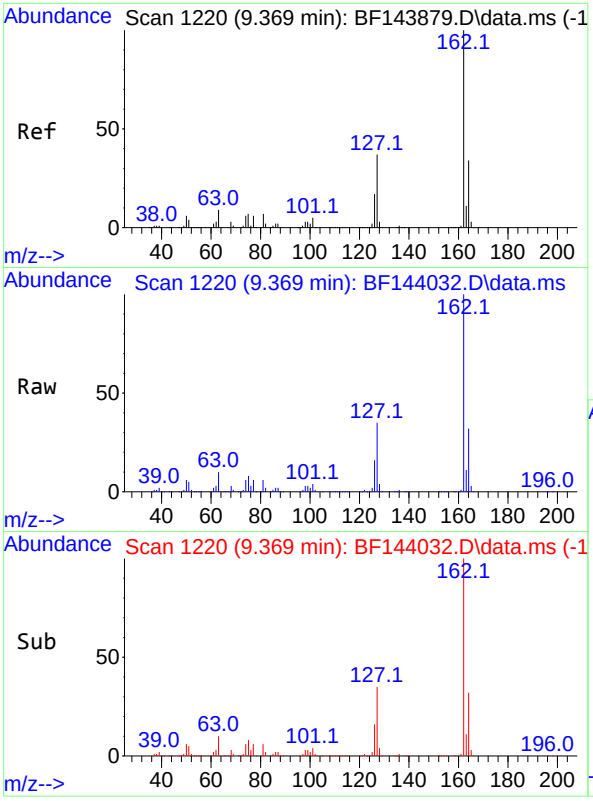


#46
1,1'-Biphenyl
Concen: 38.813 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:154 Resp: 567757

Ion	Ratio	Lower	Upper
154	100		
153	39.8	18.4	58.4
76	14.0	0.0	34.0



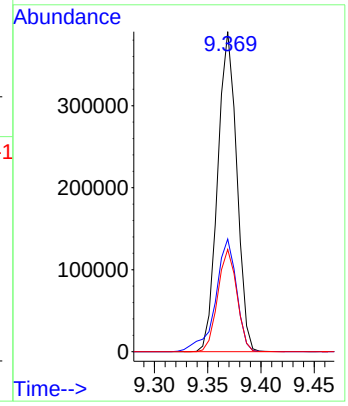


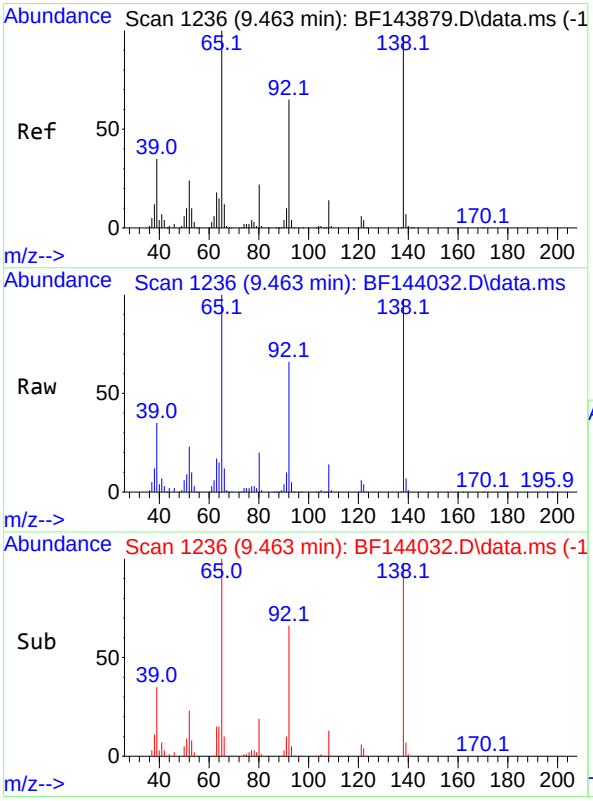
#47
2-Chloronaphthalene
Concen: 39.918 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 486843

Ion	Ratio	Lower	Upper
162	100		
127	35.2	30.2	45.2
164	31.9	26.9	40.3

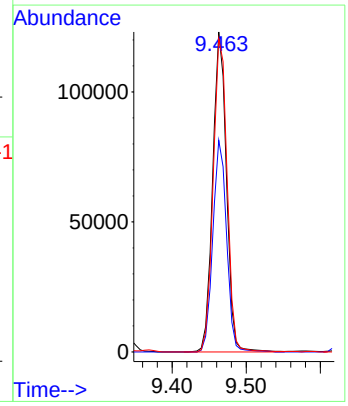


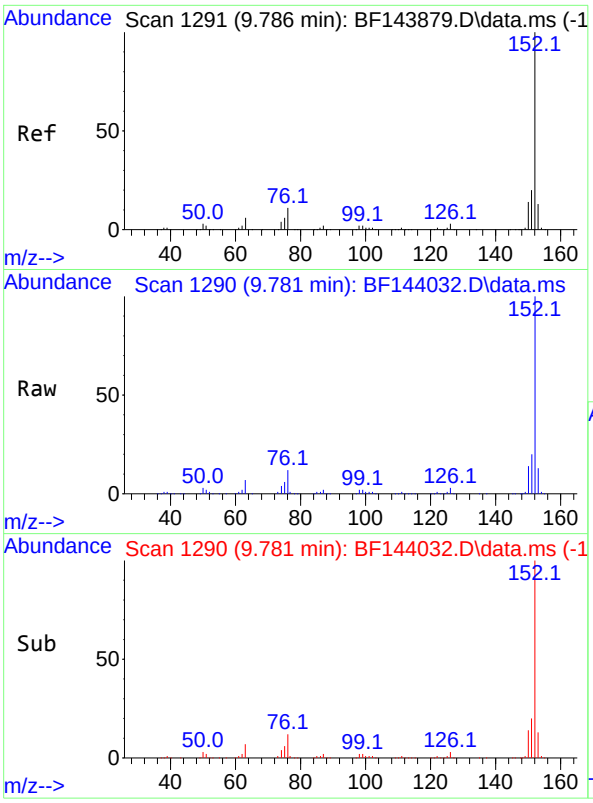


#48
2-Nitroaniline
Concen: 41.110 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion: 65 Resp: 158514

Ion	Ratio	Lower	Upper
65	100		
92	66.1	52.1	78.1
138	97.9	77.4	116.2



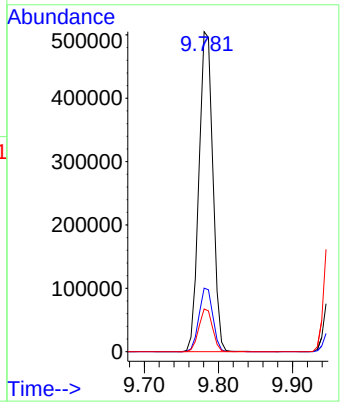


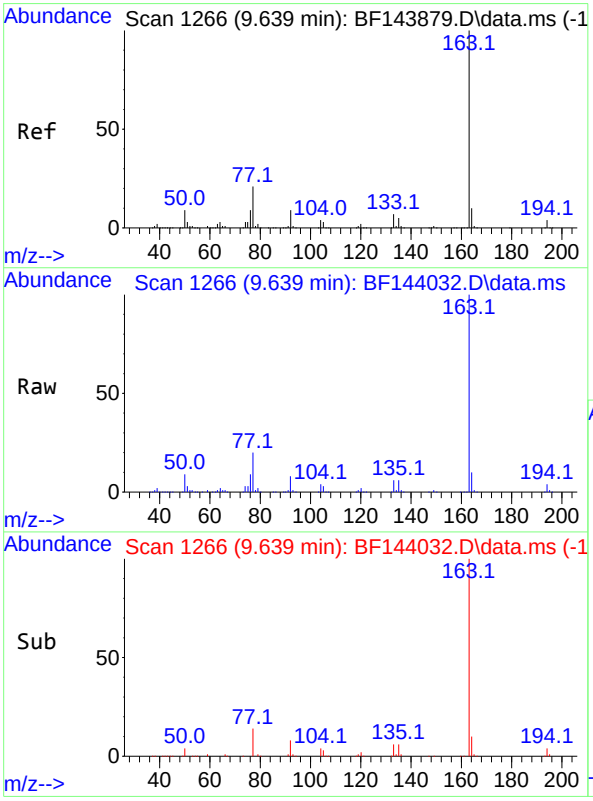
#49
Acenaphthylene
Concen: 38.355 ng
RT: 9.781 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 657637

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.6
153	13.3	10.5	15.7

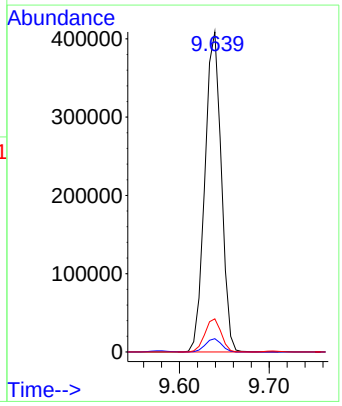


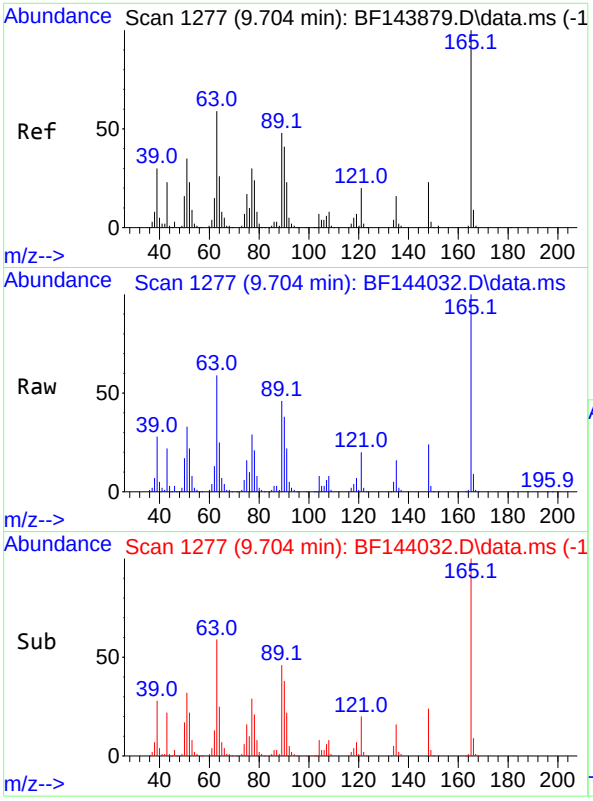


#50
Dimethylphthalate
Concen: 36.978 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:163 Resp: 518815

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.4	8.1	12.1



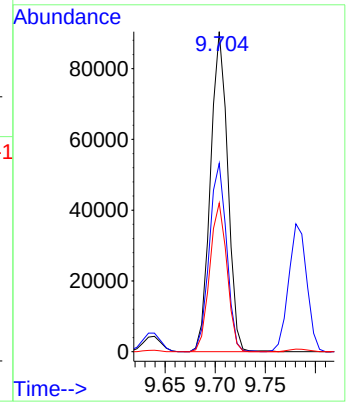


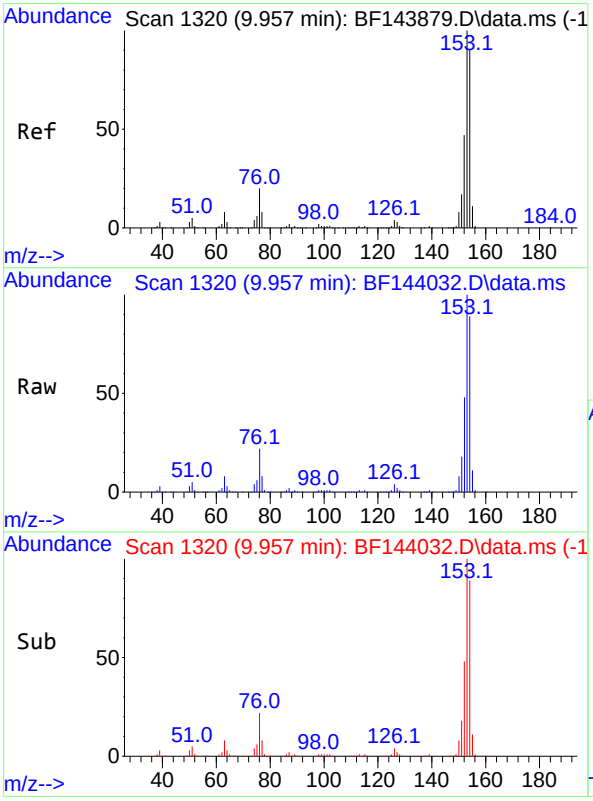
#51
2,6-Dinitrotoluene
Concen: 41.669 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 108407

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.3	70.9
89	46.4	38.2	57.4

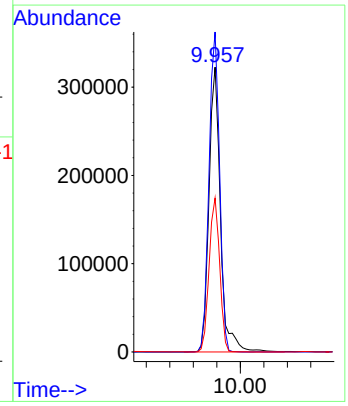


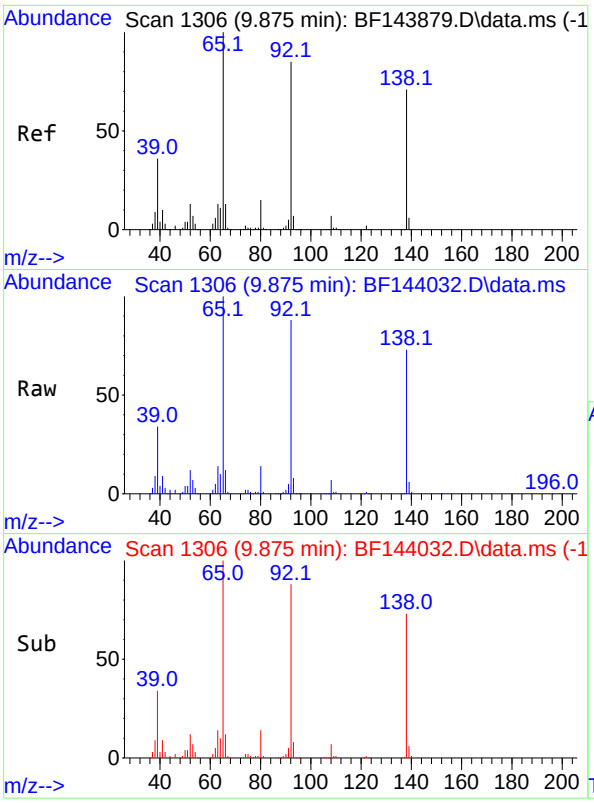


#52
Acenaphthene
Concen: 38.850 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:154 Resp: 436481

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.3	133.9
152	54.1	42.2	63.2



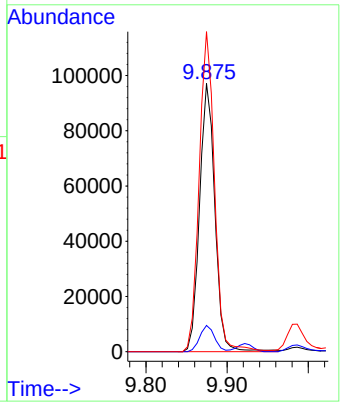


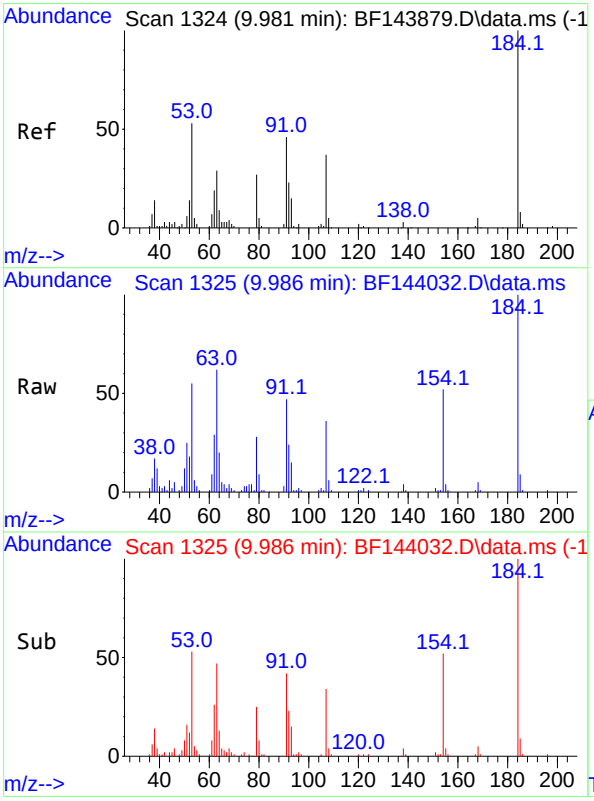
#53
3-Nitroaniline
Concen: 39.926 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 127187

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.3	12.5
92	119.4	96.2	144.2

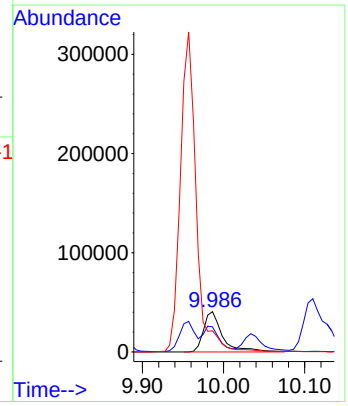


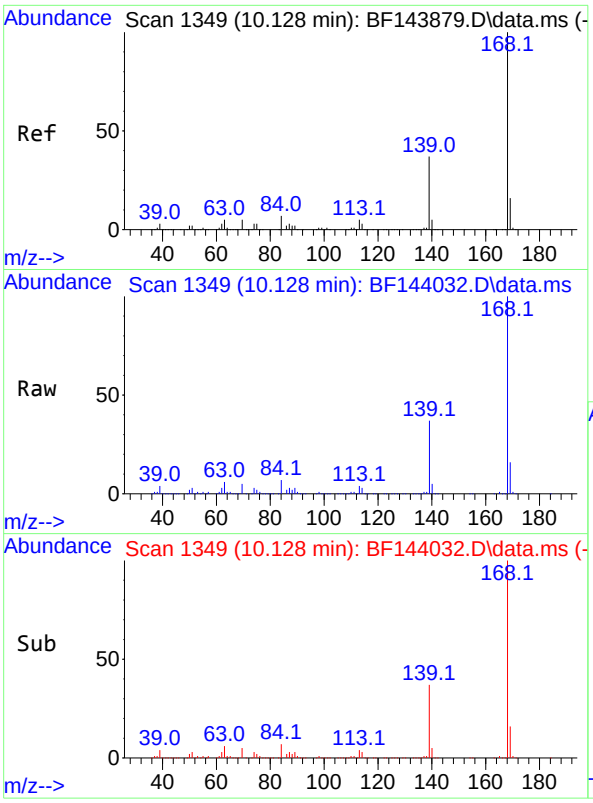


#54
2,4-Dinitrophenol
Concen: 44.671 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:184 Resp: 66301

Ion	Ratio	Lower	Upper
184	100		
63	62.2	48.2	72.4
154	52.3	49.2	73.8



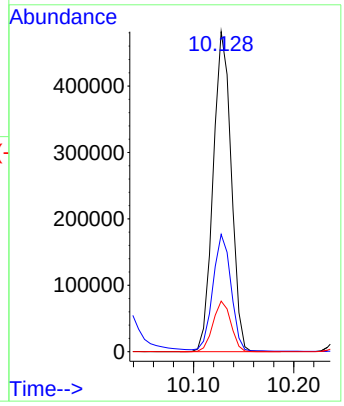


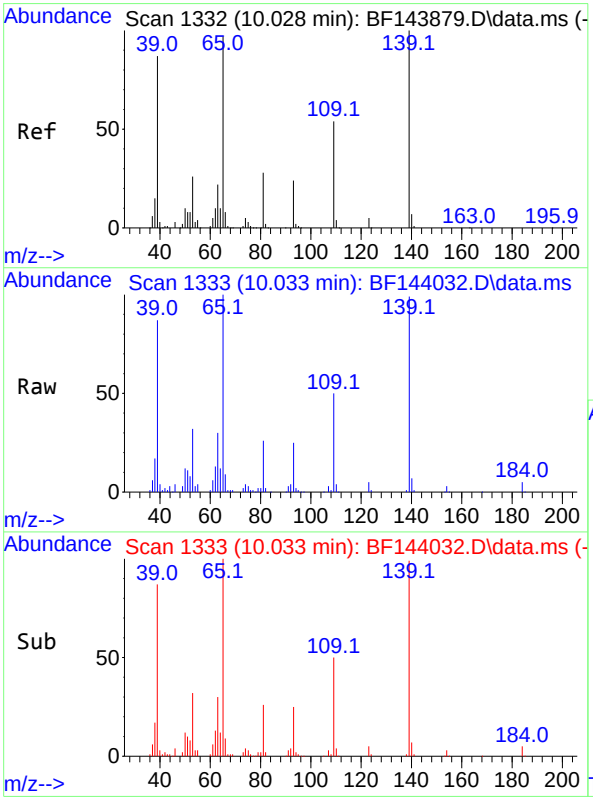
#55
Dibenzofuran
Concen: 38.039 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 603282

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.8	44.8
169	15.8	12.8	19.2

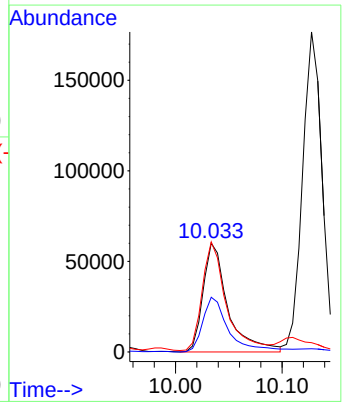


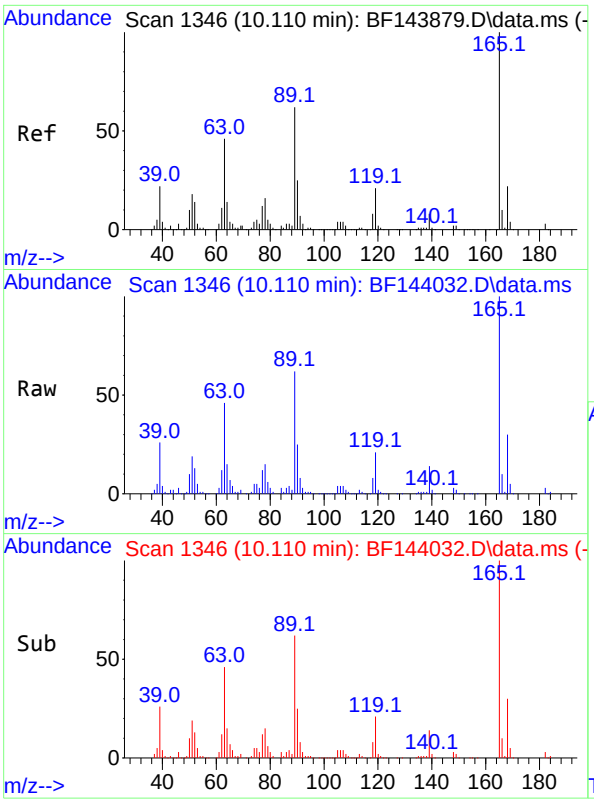


#56
4-Nitrophenol
Concen: 40.532 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:139 Resp: 97764

Ion	Ratio	Lower	Upper
139	100		
109	50.3	34.5	74.5
65	101.2	77.6	117.6



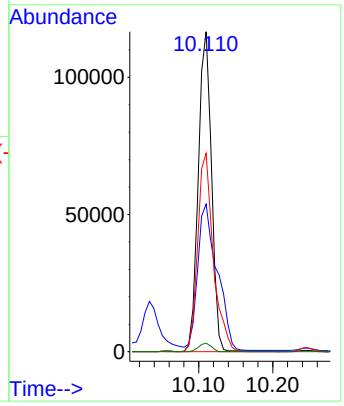


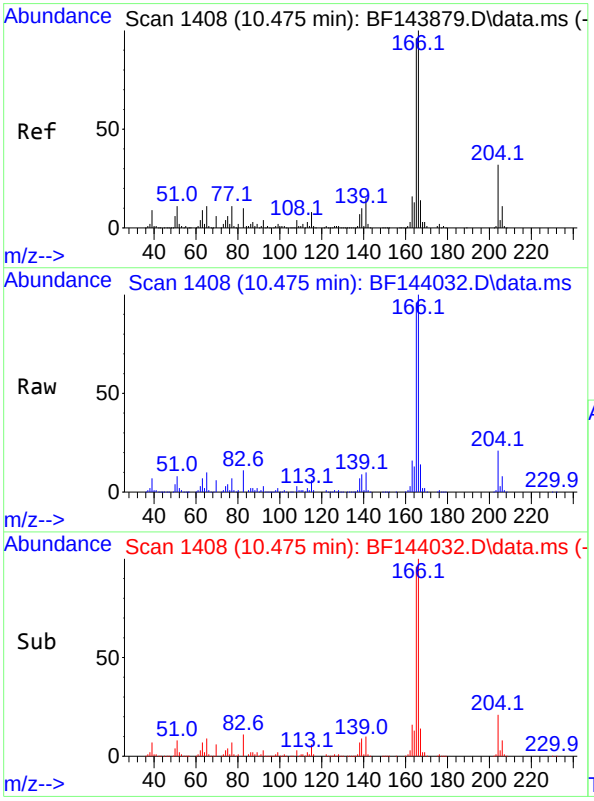
#57
2,4-Dinitrotoluene
Concen: 40.776 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 144342

Ion	Ratio	Lower	Upper
165	100		
63	46.1	37.2	55.8
89	62.0	49.4	74.2
182	2.7	2.1	3.1

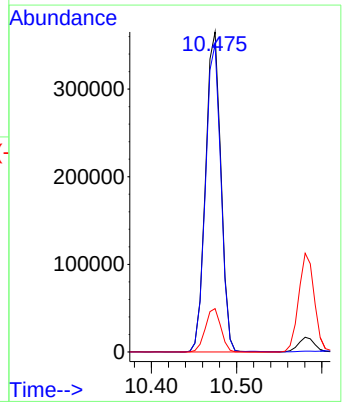


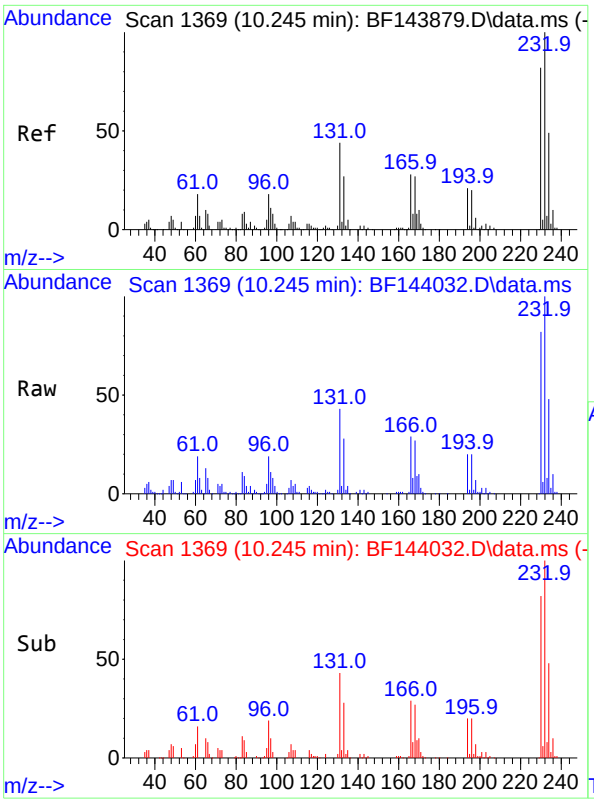


#58
Fluorene
Concen: 38.186 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:166 Resp: 456971

Ion	Ratio	Lower	Upper
166	100		
165	96.2	77.0	115.6
167	13.5	11.1	16.7



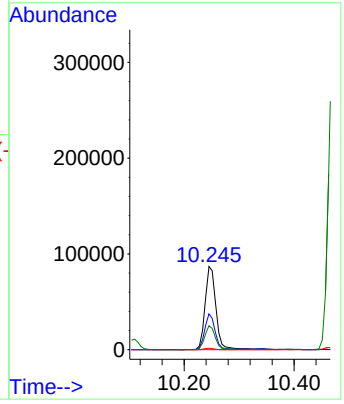


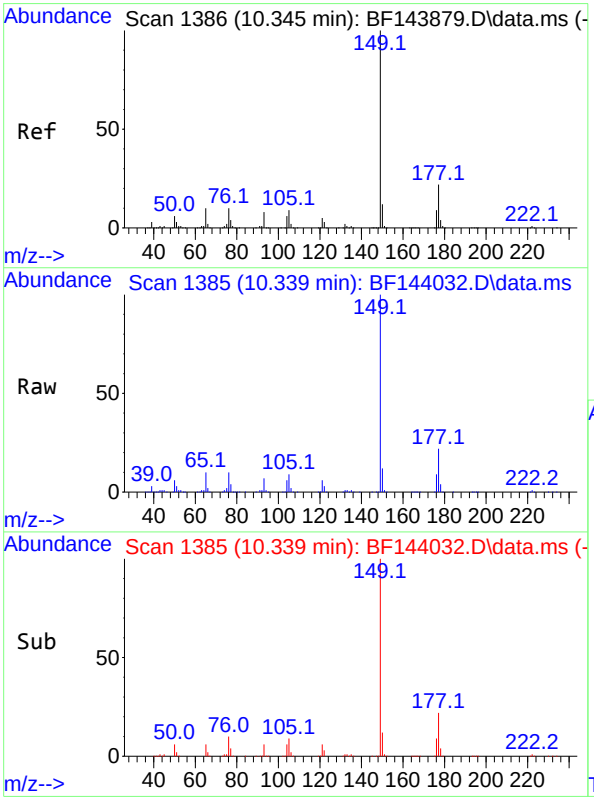
#59
2,3,4,6-Tetrachlorophenol
Concen: 35.983 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 120098

Ion	Ratio	Lower	Upper
232	100		
131	41.3	34.9	52.3
130	1.5	1.6	2.4#
166	27.8	22.0	33.0

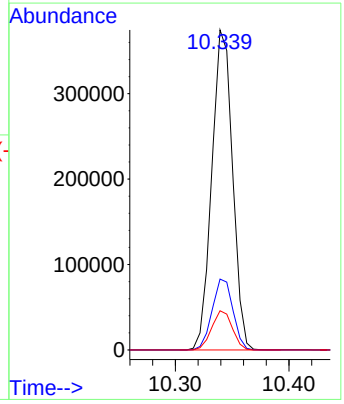


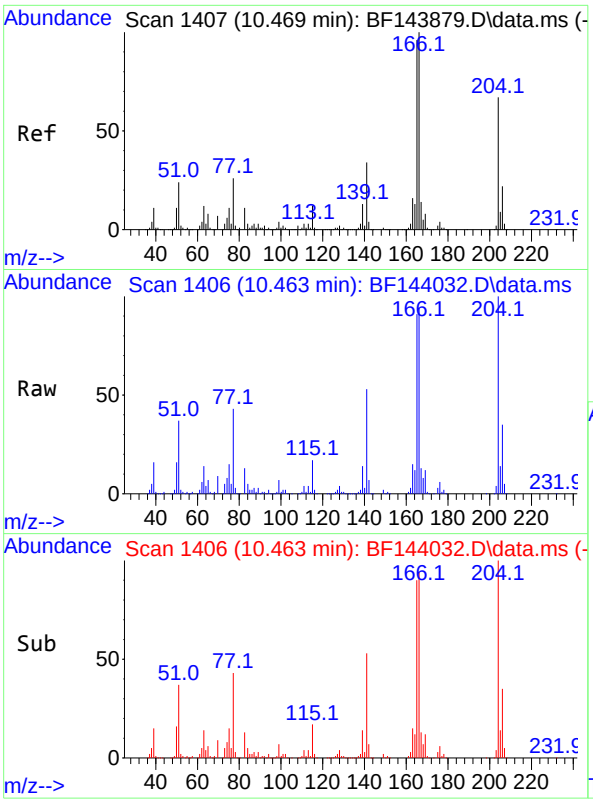


#60
Diethylphthalate
Concen: 36.475 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:149 Resp: 475428

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.9	26.9
150	12.2	9.8	14.8



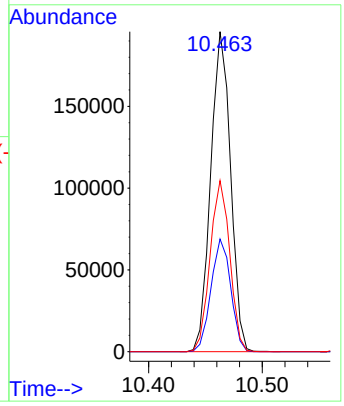


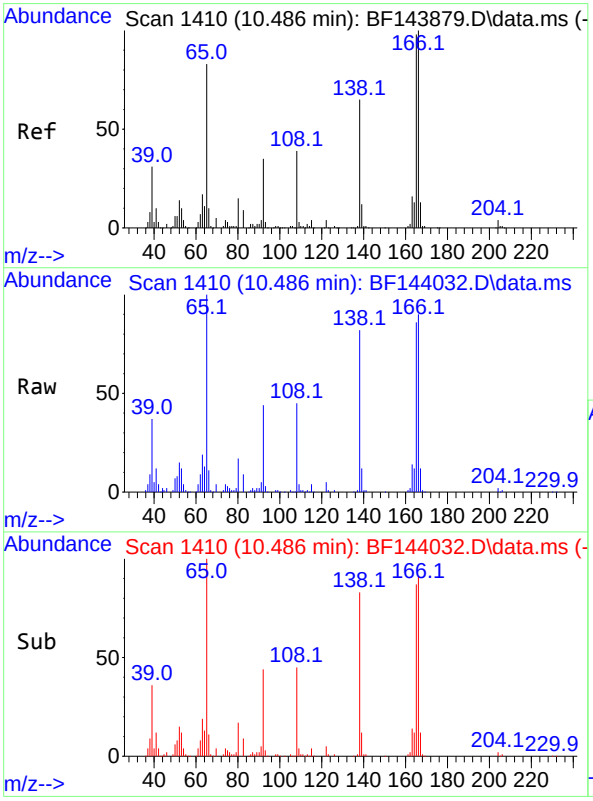
#61
4-Chlorophenyl-phenylether
Concen: 37.479 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 237125

Ion	Ratio	Lower	Upper
204	100		
206	35.2	26.6	40.0
141	53.4	40.4	60.6

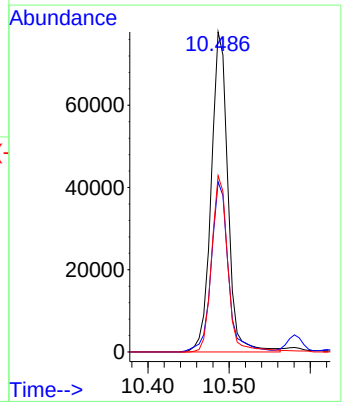


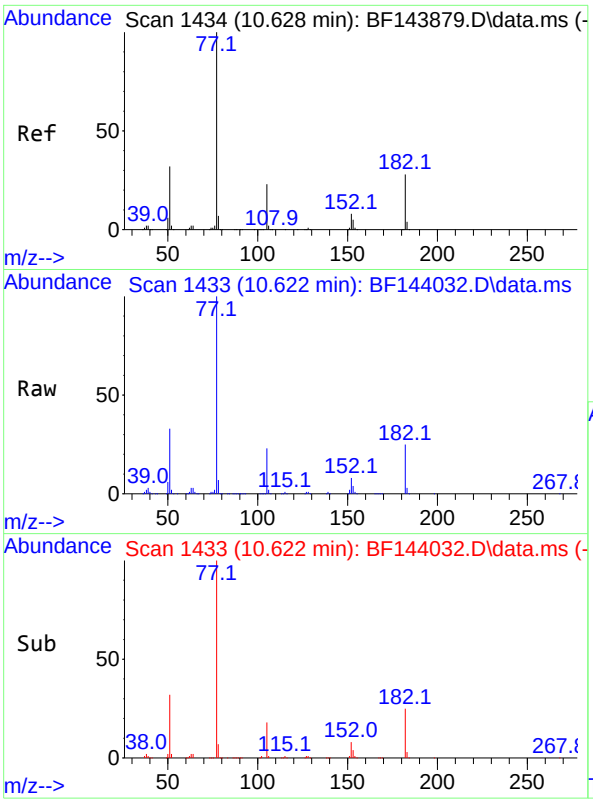


#62
4-Nitroaniline
Concen: 36.275 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:138 Resp: 111123

Ion	Ratio	Lower	Upper
138	100		
92	53.2	33.9	73.9
108	55.1	40.2	80.2



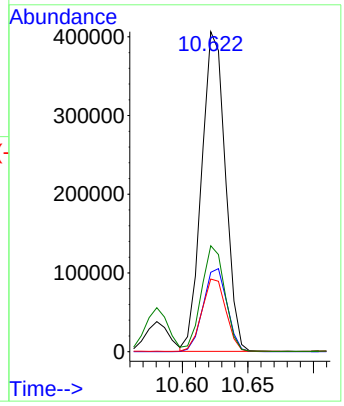


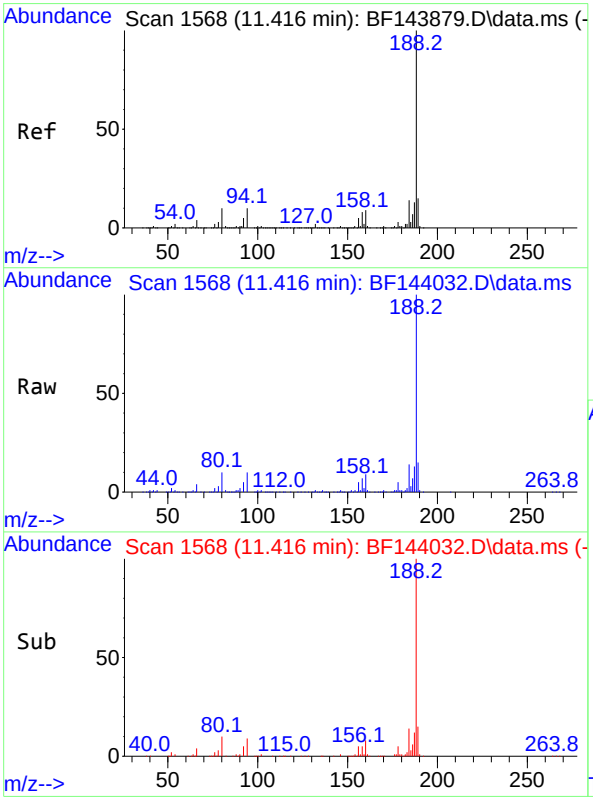
#63
Azobenzene
Concen: 37.526 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 511202

Ion	Ratio	Lower	Upper
77	100		
182	24.8	7.3	47.3
105	22.7	3.0	43.0
51	33.1	13.5	53.5

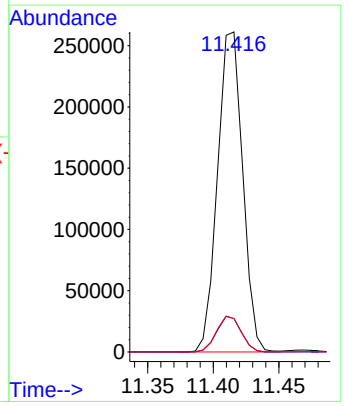


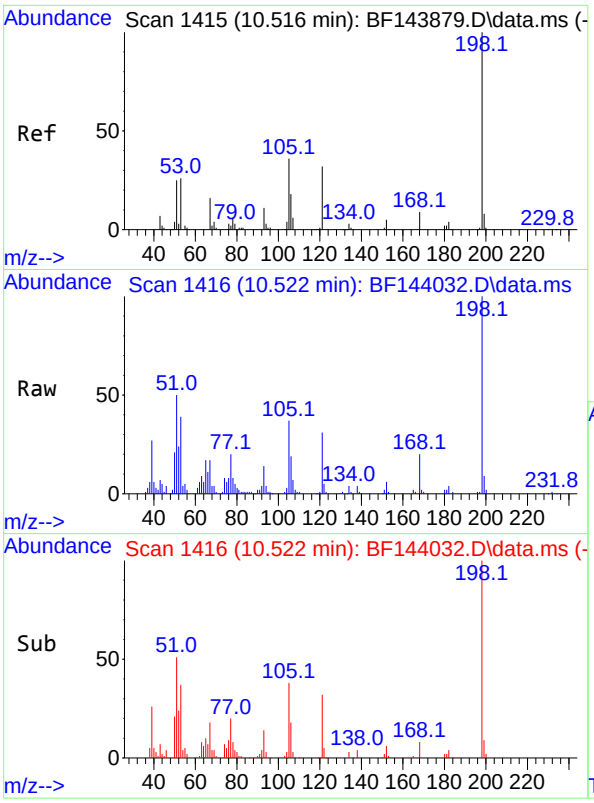


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:188 Resp: 348267

Ion	Ratio	Lower	Upper
188	100		
94	10.5	7.8	11.6
80	10.4	7.9	11.9



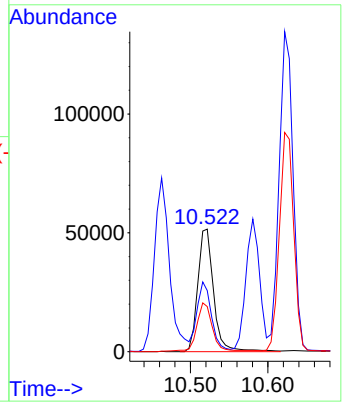


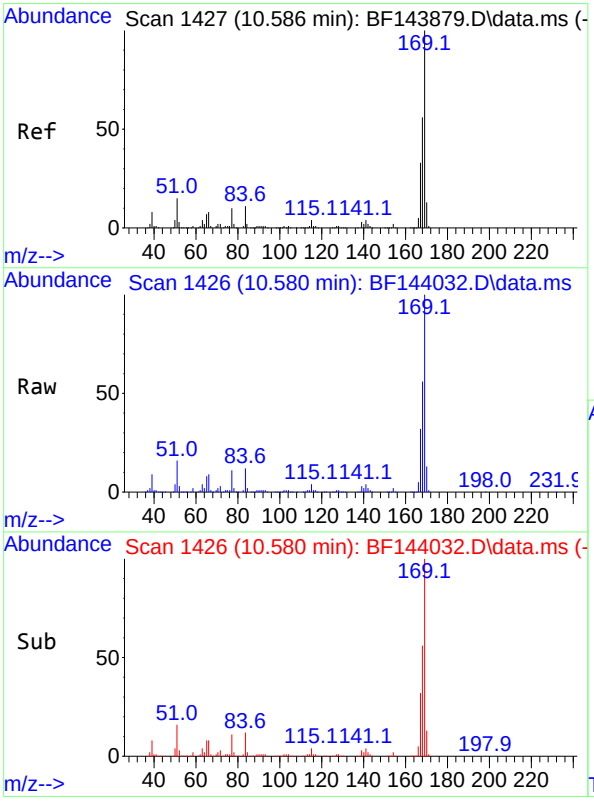
#65
4,6-Dinitro-2-methylphenol
Concen: 41.812 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 73177

Ion	Ratio	Lower	Upper
198	100		
51	49.9	33.8	73.8
105	36.8	17.0	57.0

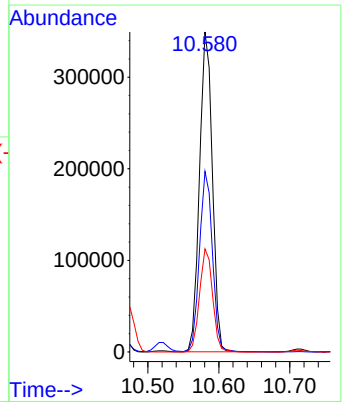


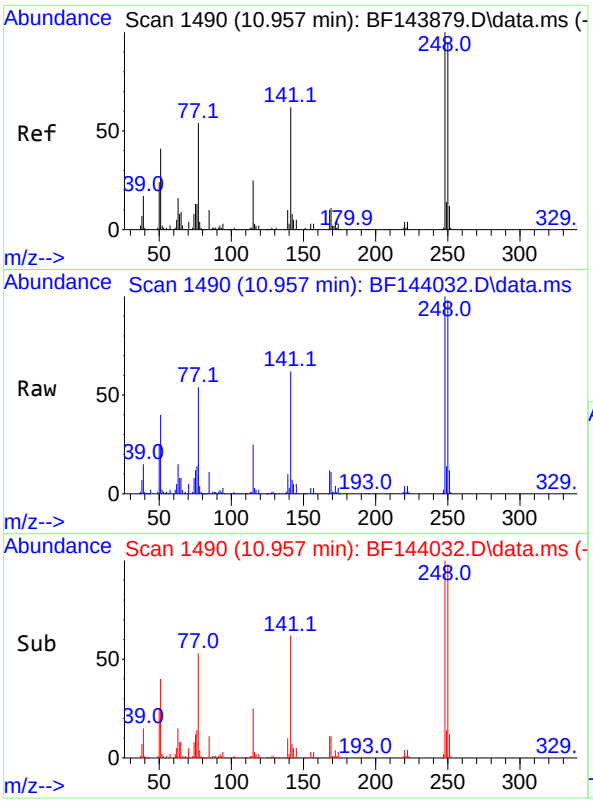


#66
n-Nitrosodiphenylamine
Concen: 40.263 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:169 Resp: 440289

Ion	Ratio	Lower	Upper
169	100		
168	56.4	44.9	67.3
167	32.2	26.3	39.5



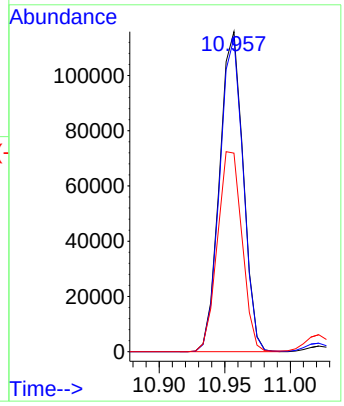


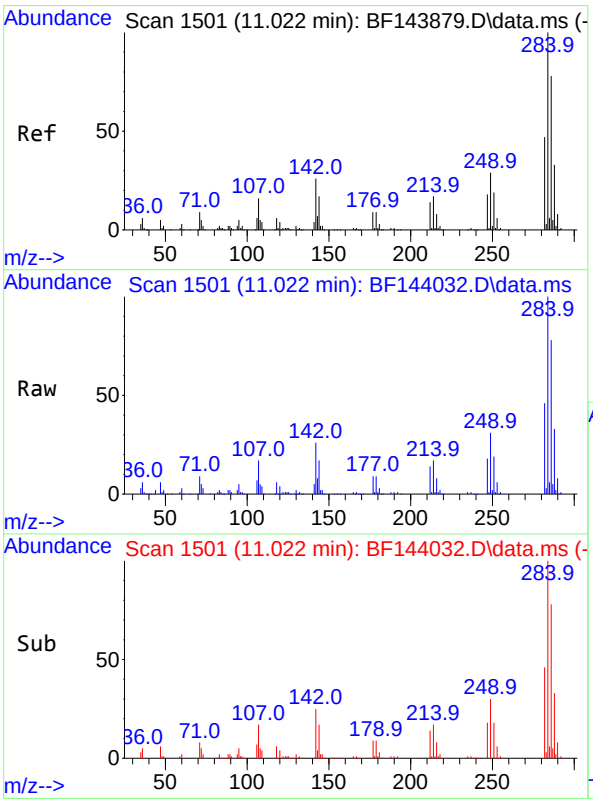
#67
4-Bromophenyl-phenylether
Concen: 37.679 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 145024

Ion	Ratio	Lower	Upper
248	100		
250	98.1	76.3	114.5
141	62.1	49.7	74.5

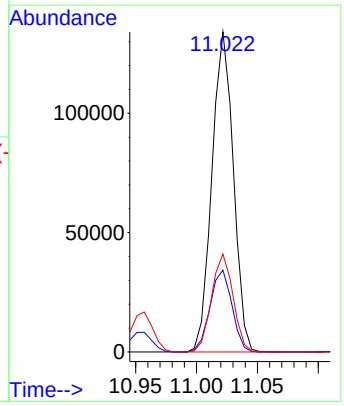


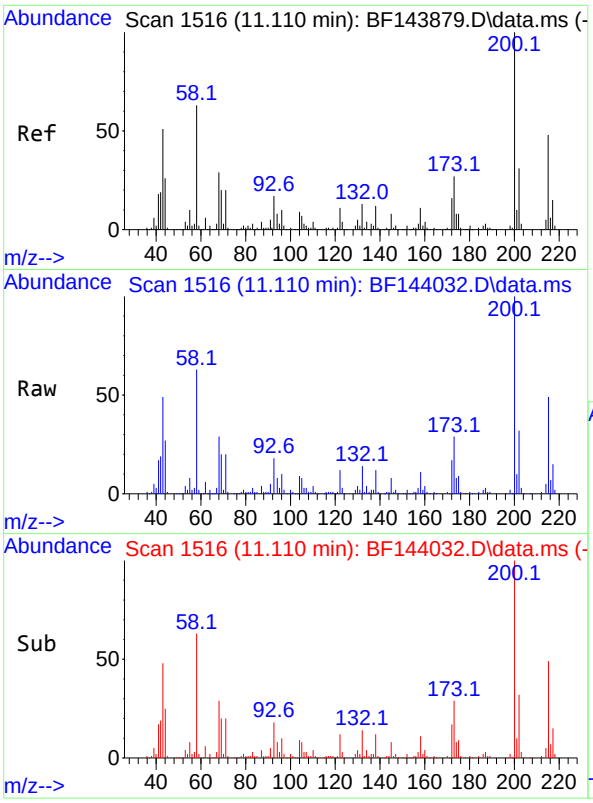


#68
Hexachlorobenzene
Concen: 36.926 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:284 Resp: 164539

Ion	Ratio	Lower	Upper
284	100		
142	25.6	20.6	30.8
249	30.6	23.2	34.8



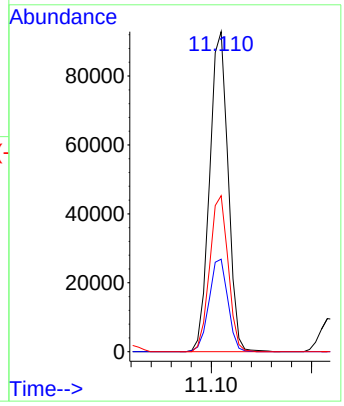


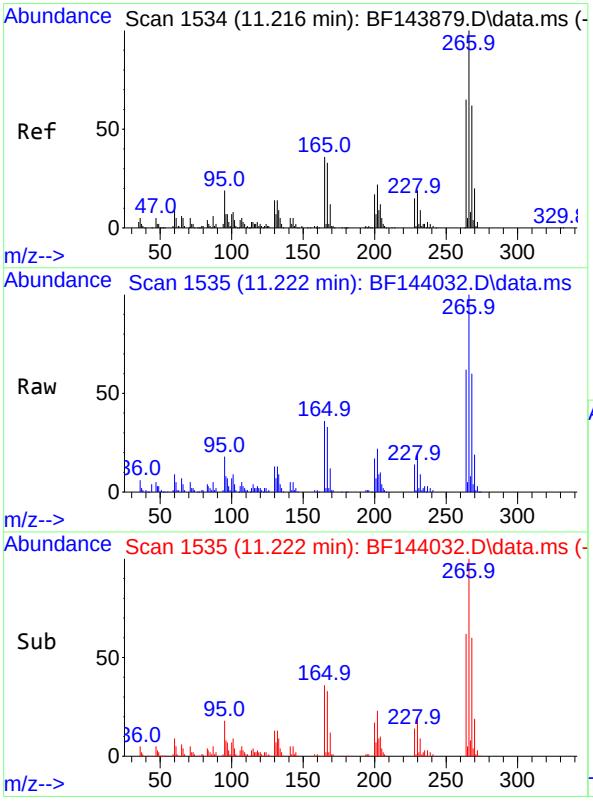
#69
Atrazine
Concen: 35.821 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 118727

Ion	Ratio	Lower	Upper
200	100		
173	28.9	7.0	47.0
215	48.7	27.8	67.8

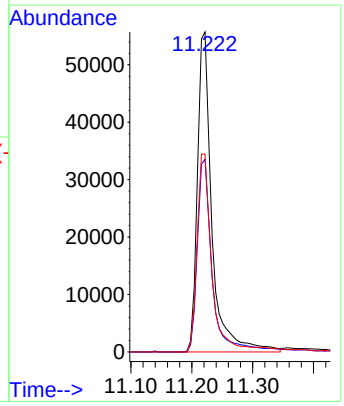


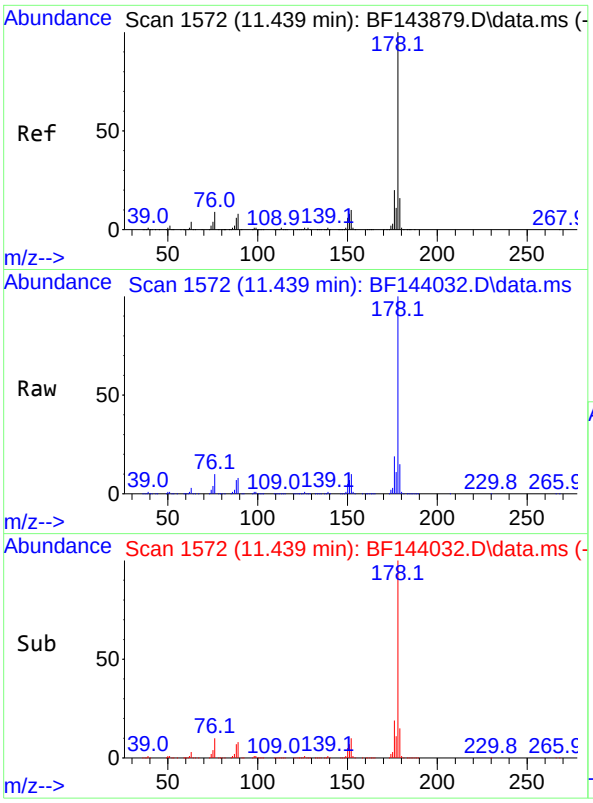


#70
Pentachlorophenol
Concen: 36.128 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:266 Resp: 92458

Ion	Ratio	Lower	Upper
266	100		
268	60.2	49.4	74.0
264	61.8	51.8	77.6



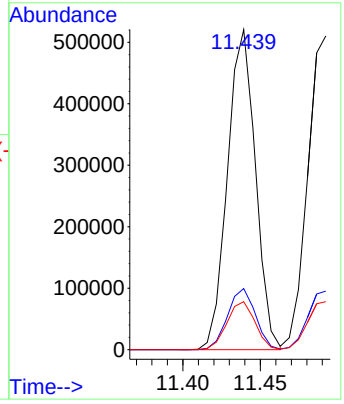


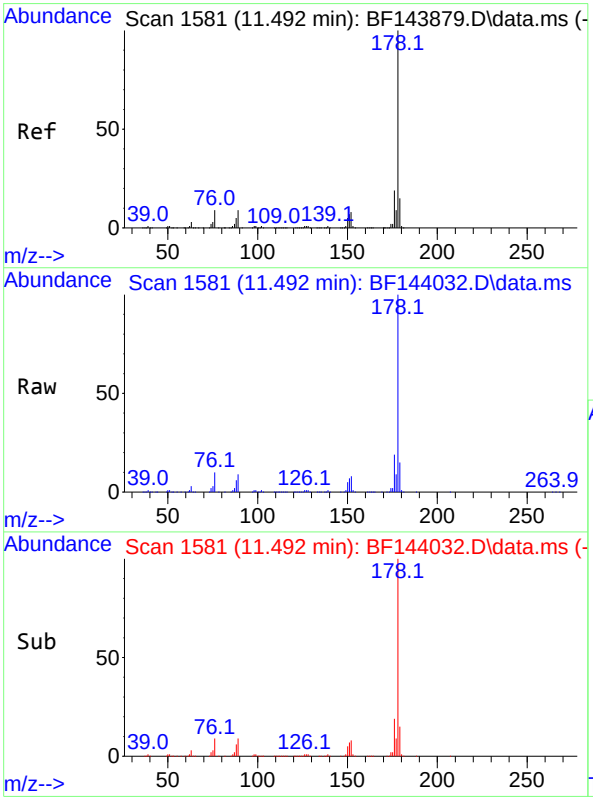
#71
Phenanthrene
Concen: 38.651 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 652589

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.0	12.4	18.6

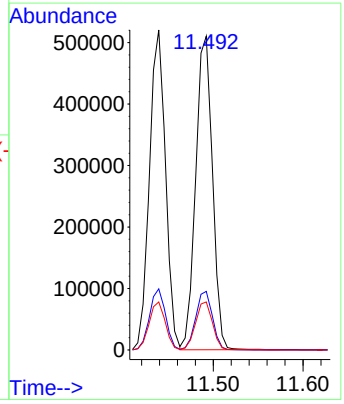


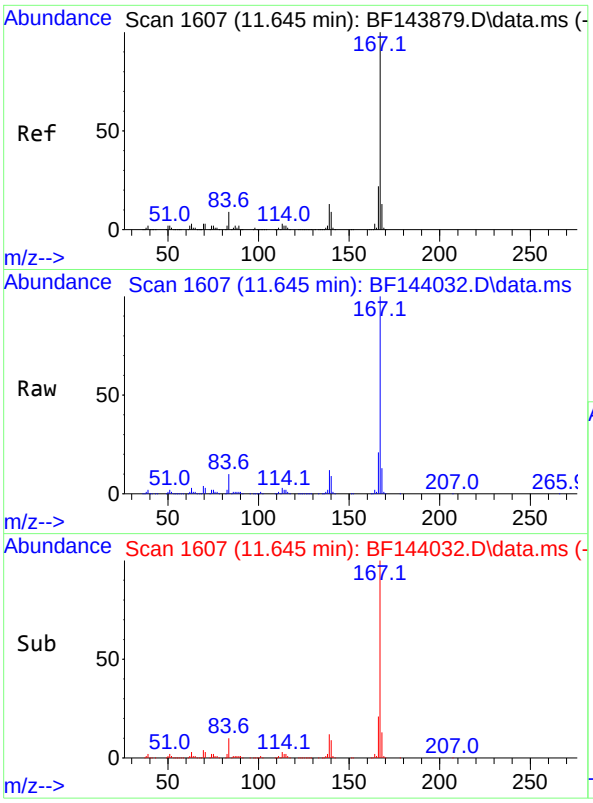


#72
Anthracene
Concen: 38.807 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:178 Resp: 661923

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.3	12.2	18.2



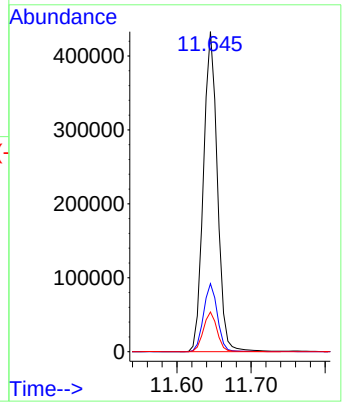


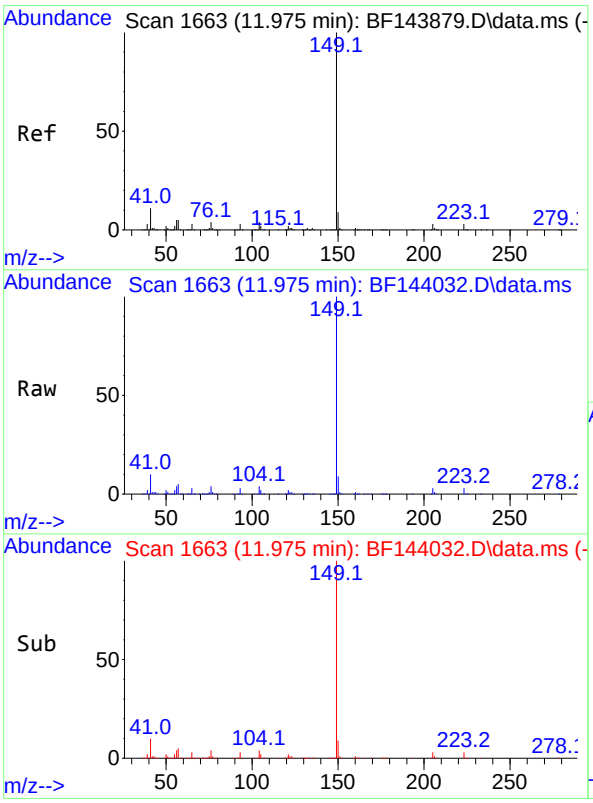
#73
Carbazole
Concen: 37.489 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 566341

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.4	10.1	15.1

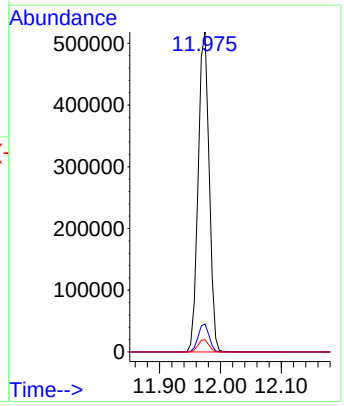


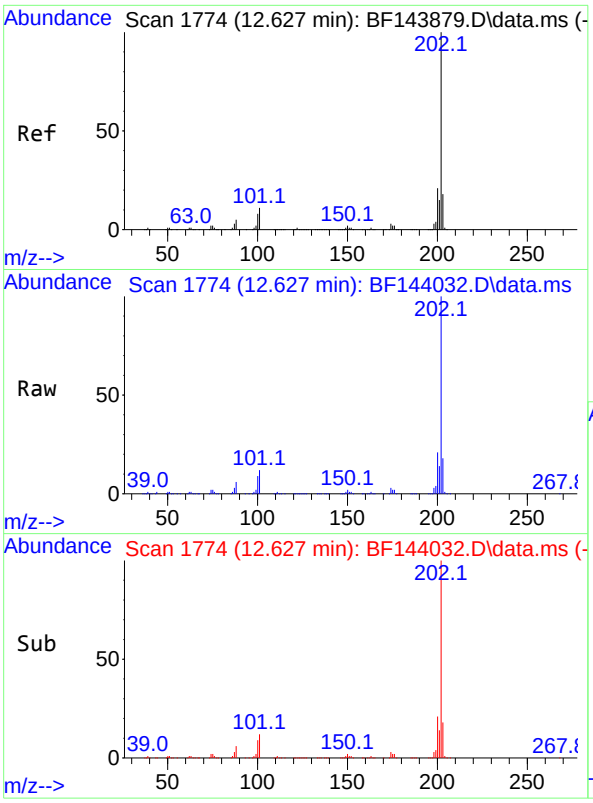


#74
Di-n-butylphthalate
Concen: 37.085 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:149 Resp: 649289

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.4	11.2
104	3.8	3.4	5.2



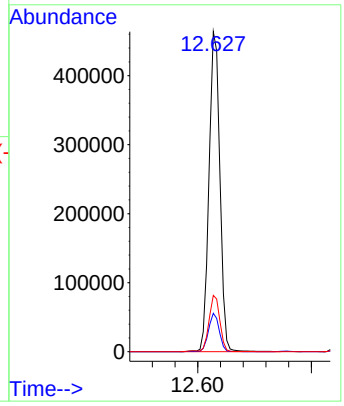


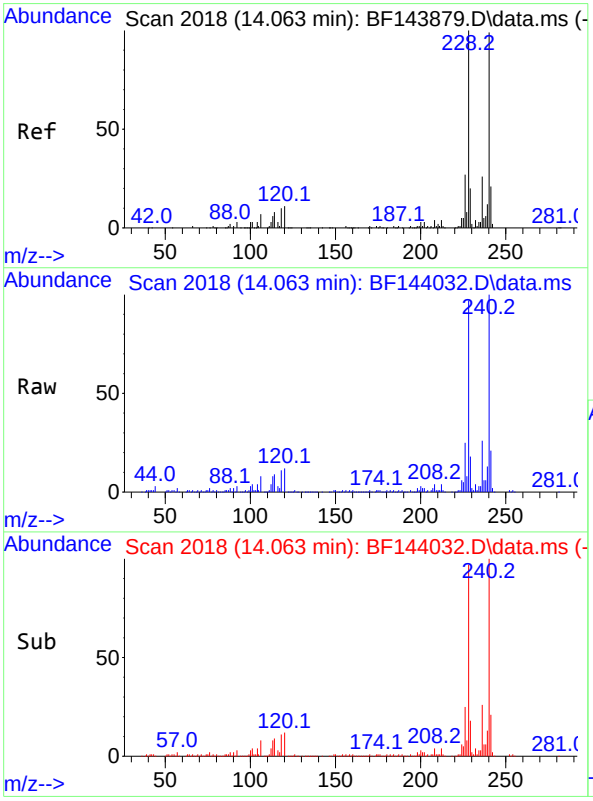
#75
Fluoranthene
Concen: 35.129 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 612645

Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	30.7
203	17.6	0.0	37.8

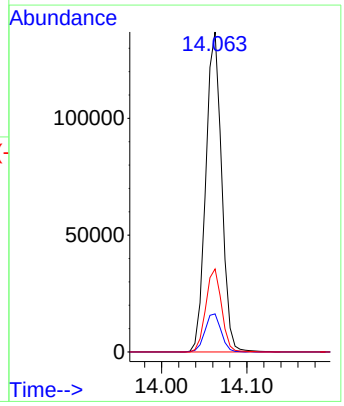


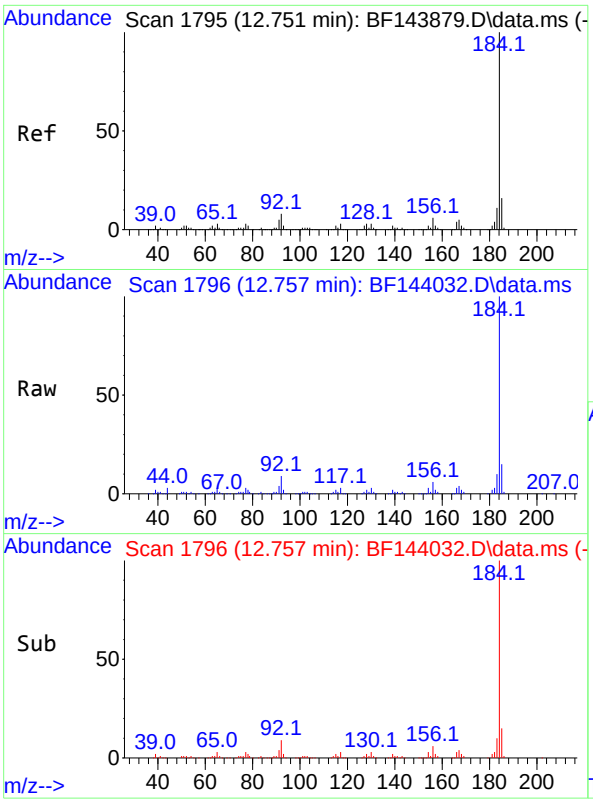


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:240 Resp: 176671

Ion	Ratio	Lower	Upper
240	100		
120	11.9	8.6	13.0
236	25.9	21.1	31.7



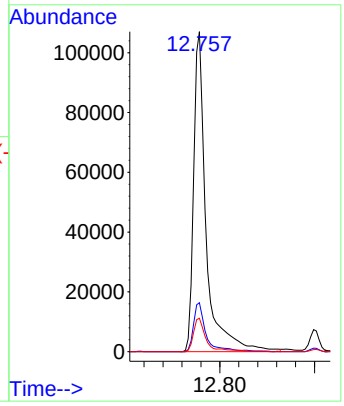


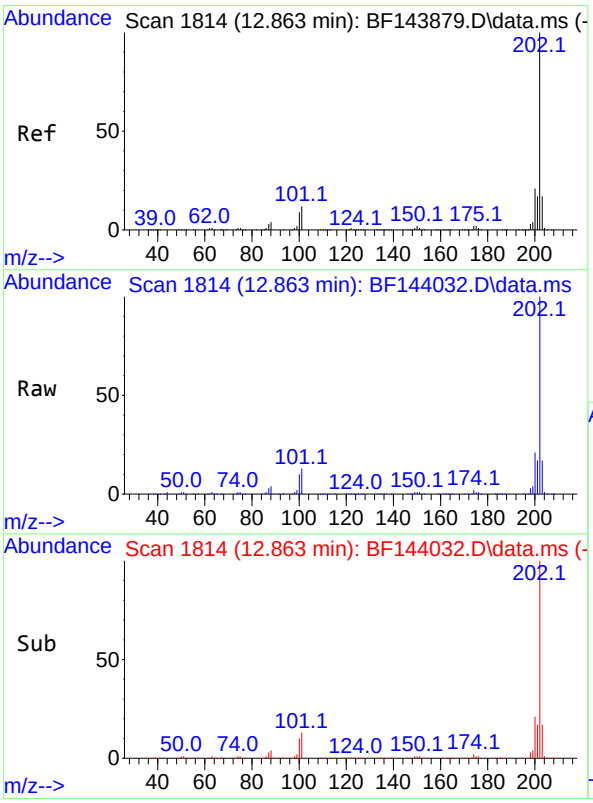
#77
Benzidine
Concen: 32.073 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 196752

Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.6	18.8
183	10.5	8.8	13.2

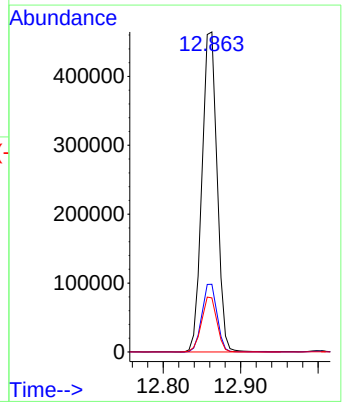


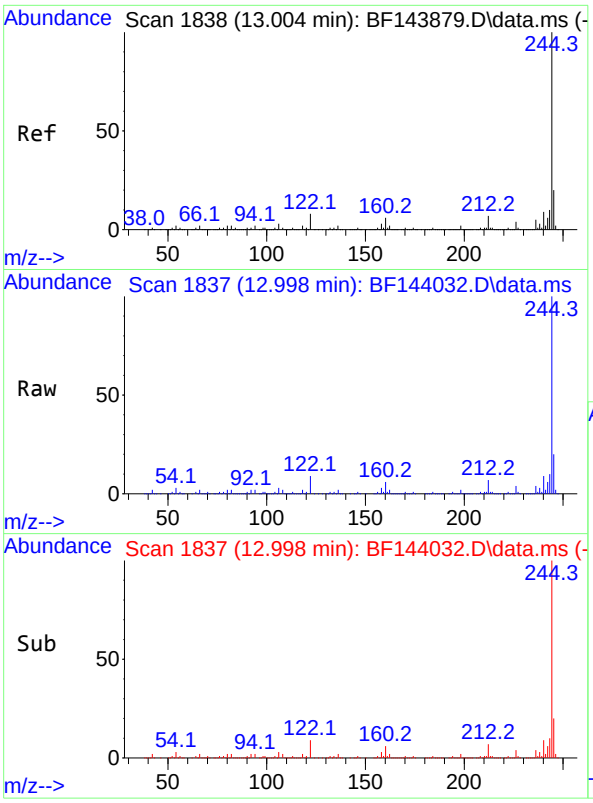


#78
Pyrene
Concen: 42.849 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:202 Resp: 631120

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	16.9	13.8	20.6



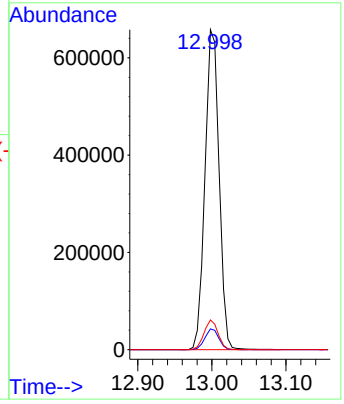


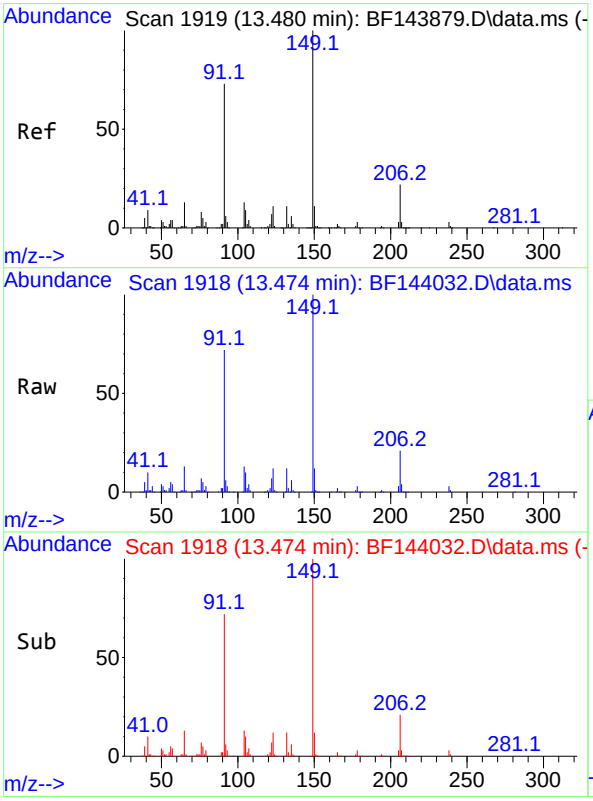
#79
Terphenyl-d14
Concen: 84.202 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 870415

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.3	6.4	9.6

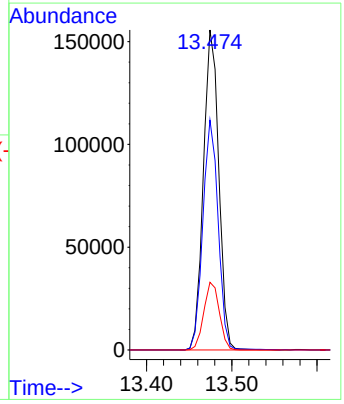


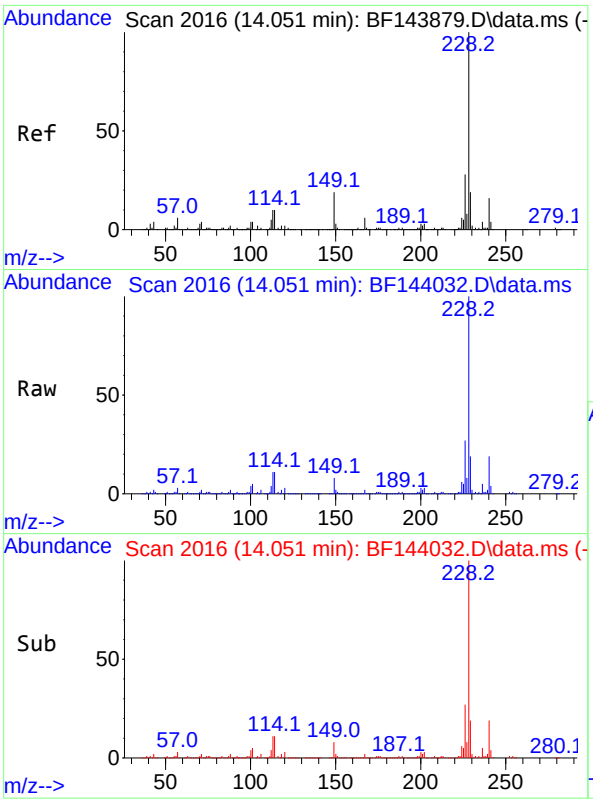


#80
Butylbenzylphthalate
Concen: 40.760 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:149 Resp: 194973

Ion	Ratio	Lower	Upper
149	100		
91	71.9	58.2	87.2
206	21.2	17.9	26.9



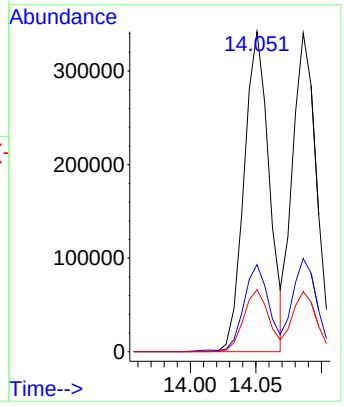


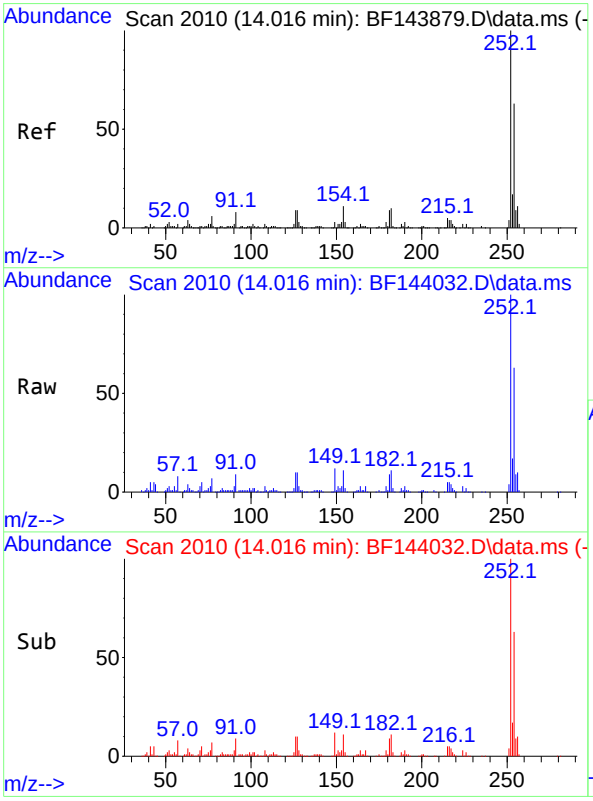
#81
Benzo(a)anthracene
Concen: 39.389 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 455394

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.2	33.2
229	19.4	15.6	23.4

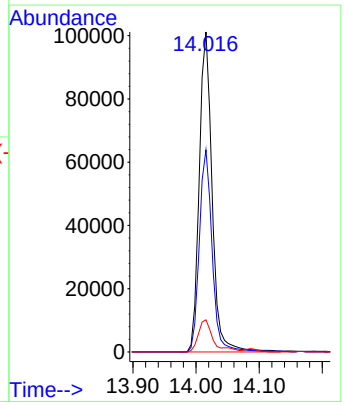


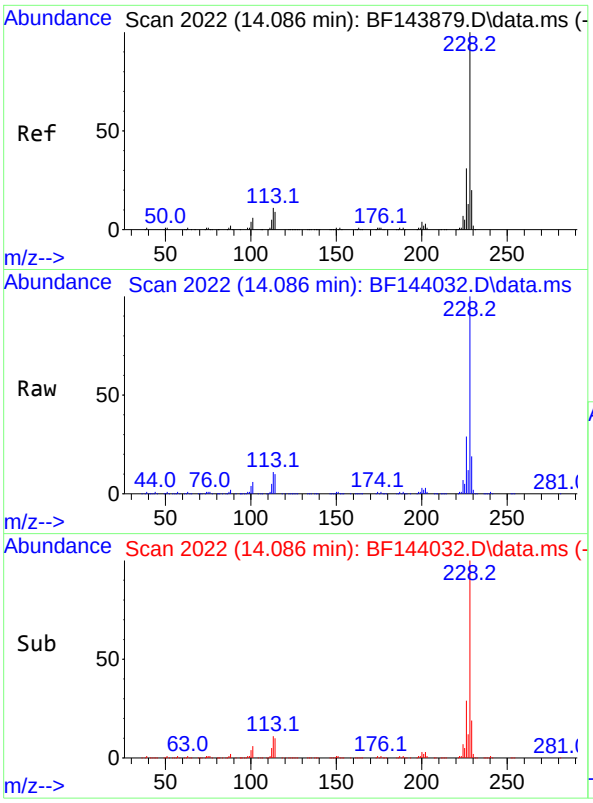


#82
3,3'-Dichlorobenzidine
Concen: 40.664 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:252 Resp: 143273

Ion	Ratio	Lower	Upper
252	100		
254	63.1	50.6	76.0
126	10.0	7.0	10.6



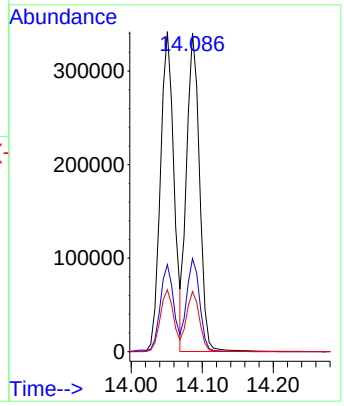


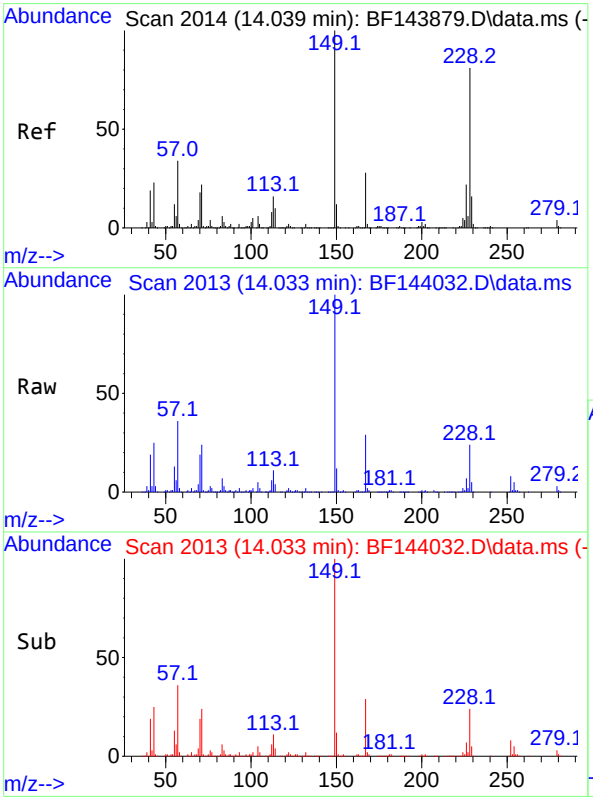
#83
Chrysene
Concen: 40.255 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 430745

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.4	36.6
229	18.8	15.9	23.9

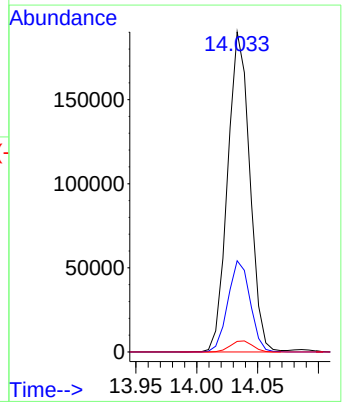


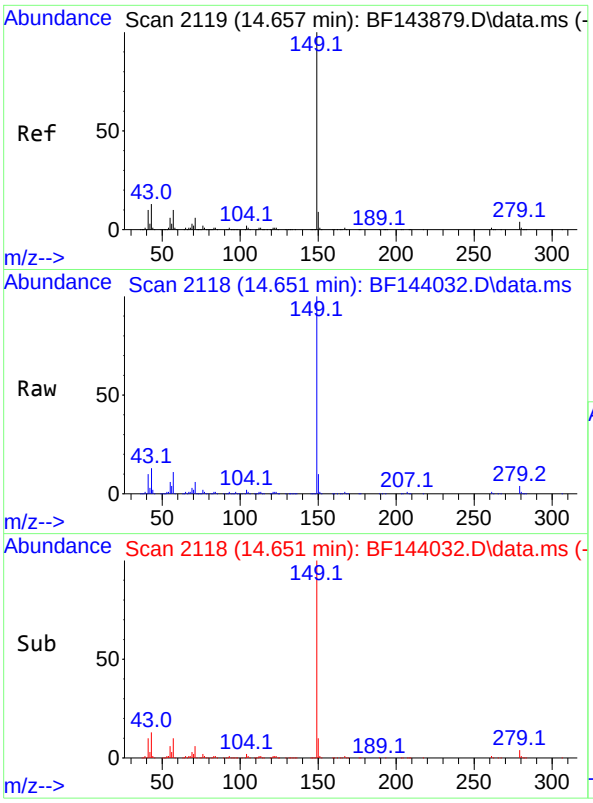


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.810 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:149 Resp: 241084

Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.2	33.4
279	3.3	3.1	4.7



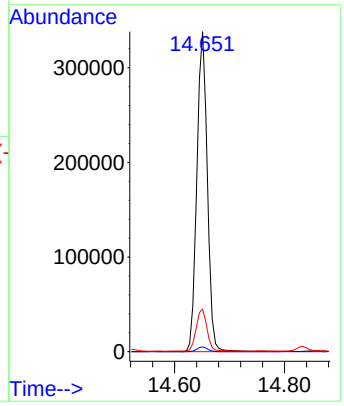


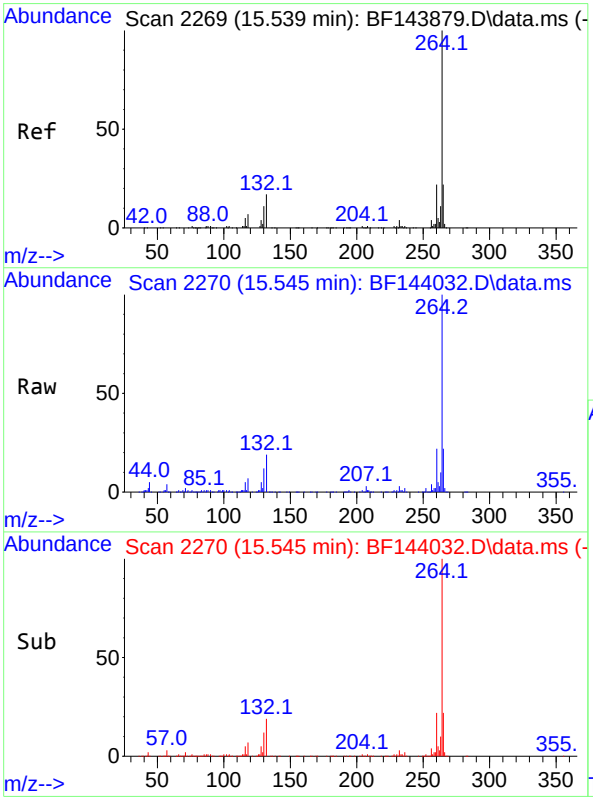
#85
Di-n-octyl phthalate
Concen: 47.203 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 447041

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.5	11.0	16.4

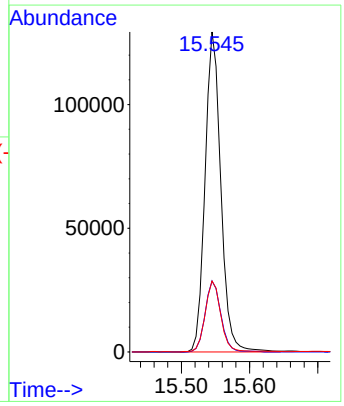


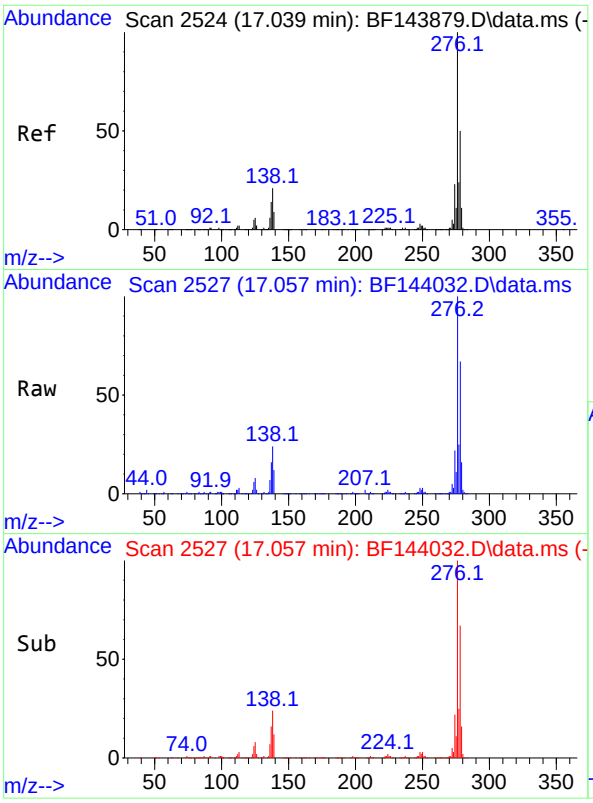


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:264 Resp: 208587

Ion	Ratio	Lower	Upper
264	100		
260	22.2	17.8	26.8
265	22.2	17.5	26.3



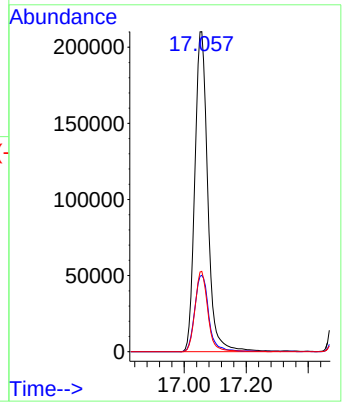


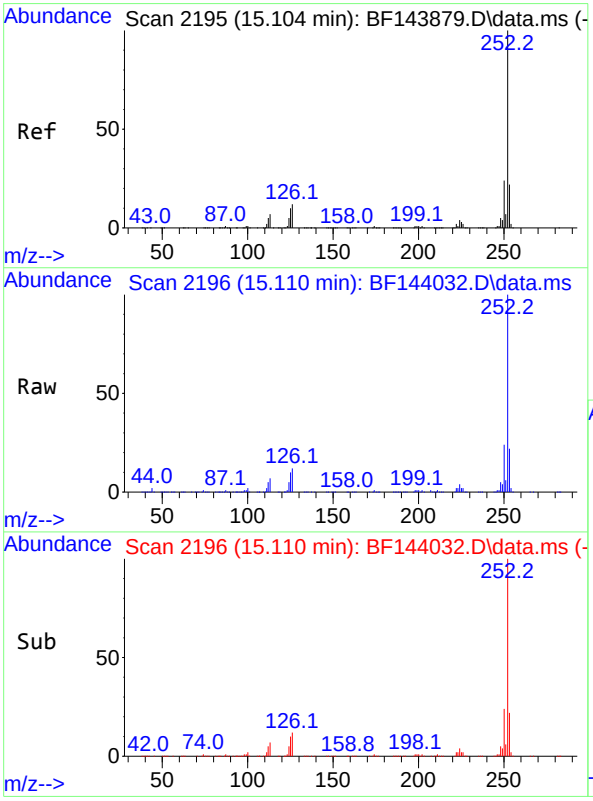
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.654 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 609064

Ion	Ratio	Lower	Upper
276	100		
138	25.8	18.2	27.2
277	24.8	19.8	29.6

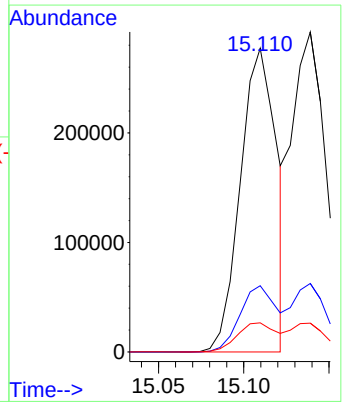


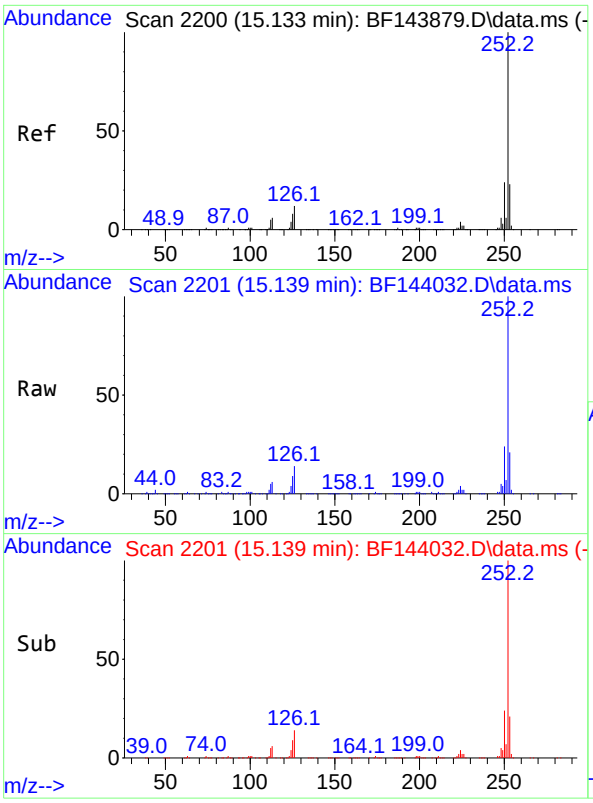


#88
Benzo(b)fluoranthene
Concen: 34.144 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:252 Resp: 409111

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.6	7.8	11.6



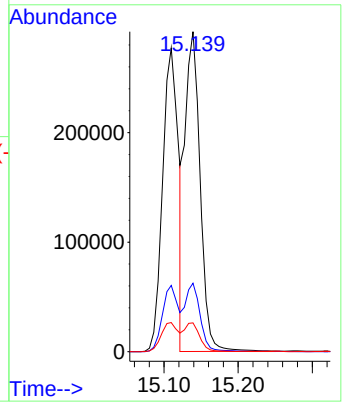


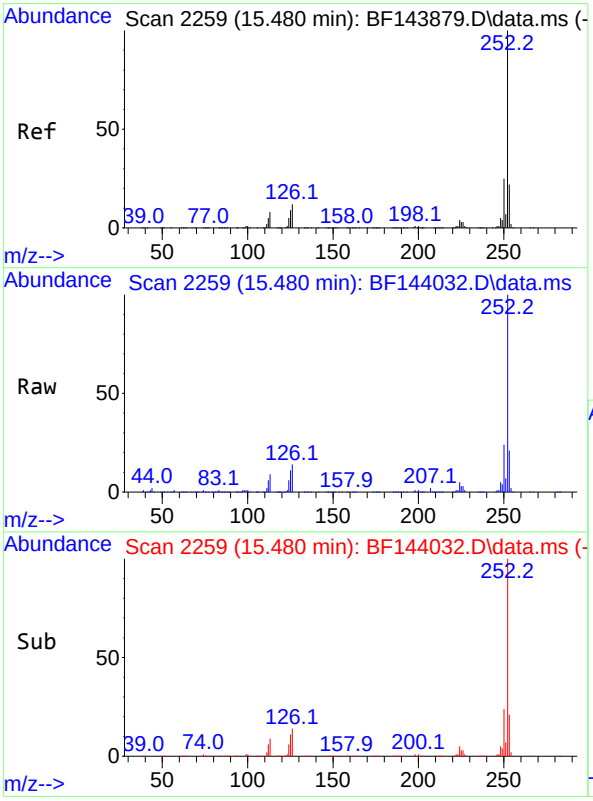
#89
Benzo(k)fluoranthene
Concen: 37.571 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 416554

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	9.0	7.4	11.2

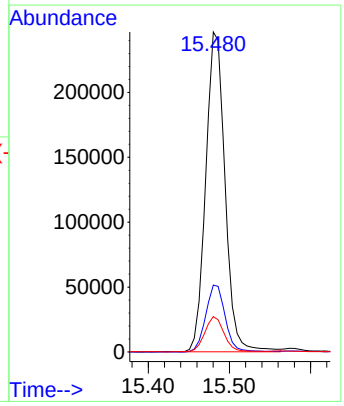


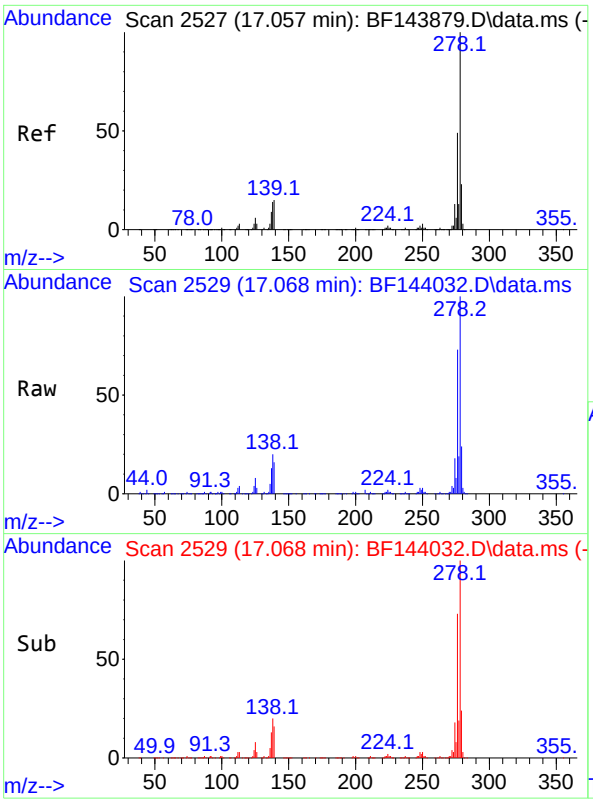


#90
Benzo(a)pyrene
Concen: 39.171 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:252 Resp: 406966

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.3	25.9
125	11.1	7.0	10.4#



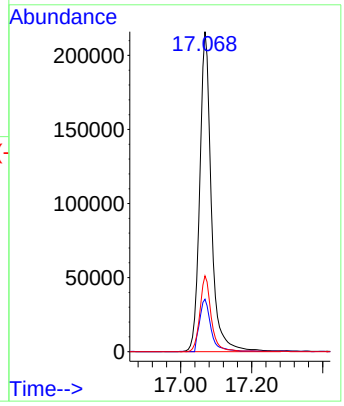


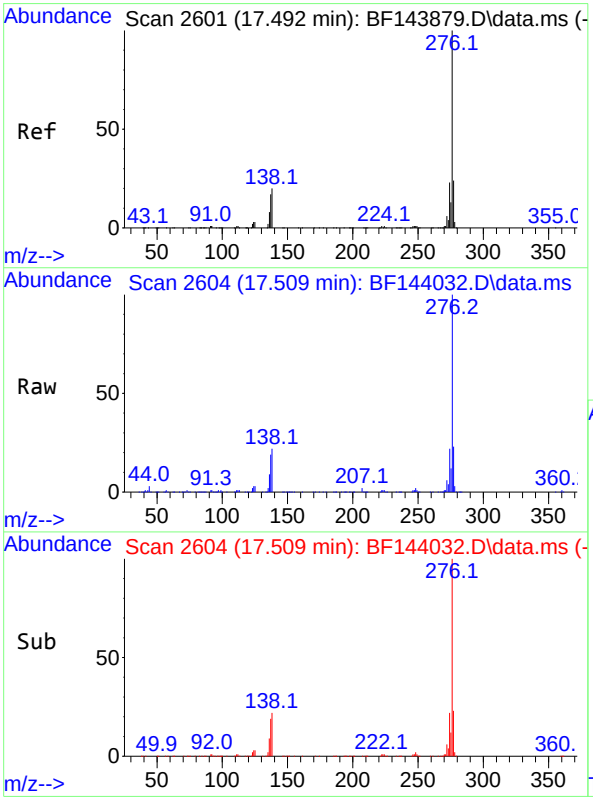
#91
Dibenzo(a,h)anthracene
Concen: 47.870 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 492066

Ion	Ratio	Lower	Upper
278	100		
139	16.4	11.7	17.5
279	23.7	18.4	27.6

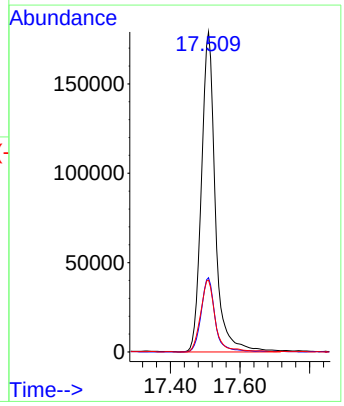




#92
Benzo(g,h,i)perylene
Concen: 48.426 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144032.D
Acq: 22 Oct 2025 10:25

Tgt Ion:276 Resp: 497793

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	22.5	16.1	24.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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	91	0.00
2		1,4-Dioxane	0.583	0.579	0.7	87	-0.01
3		Pyridine	1.697	1.645	3.1	84	-0.01
4		n-Nitrosodimethylamine	0.893	0.819	8.3	82	-0.04
5	S	2-Fluorophenol	1.259	1.263	-0.3	88	0.00
6		Aniline	2.250	2.136	5.1	83	0.00
7	S	Phenol-d6	1.501	1.459	2.8	86	0.00
8		2-Chlorophenol	1.231	1.205	2.1	85	0.00
9		Benzaldehyde	1.158	1.176	-1.6	81	0.00
10	C	Phenol	1.795	1.838	-2.4	91	-0.01
11		bis(2-Chloroethyl)ether	1.386	1.342	3.2	84	-0.01
12		1,3-Dichlorobenzene	1.474	1.404	4.7	84	0.00
13	C	1,4-Dichlorobenzene	1.454	1.419	2.4	86	0.00
14		1,2-Dichlorobenzene	1.392	1.368	1.7	87	0.00
15		Benzyl Alcohol	1.125	1.073	4.6	83	-0.01
16		2,2'-oxybis(1-Chloropropane	3.156	3.068	2.8	86	0.00
17		2-Methylphenol	1.017	0.970	4.6	84	0.00
18		Hexachloroethane	0.485	0.469	3.3	85	0.00
19	P	n-Nitroso-di-n-propylamine	1.028	0.930	9.5	83	-0.02
20		3+4-Methylphenols	1.179	1.144	3.0	82	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	89	0.00
22		Acetophenone	0.423	0.389	8.0	80	-0.01
23	S	Nitrobenzene-d5	0.329	0.331	-0.6	86	-0.01
24		Nitrobenzene	0.366	0.366	0.0	84	-0.01
25		Isophorone	0.694	0.630	9.2	80	-0.02
26	C	2-Nitrophenol	0.157	0.173	-10.2	89	0.00
27		2,4-Dimethylphenol	0.282	0.273	3.2	83	0.00
28		bis(2-Chloroethoxy)methane	0.438	0.417	4.8	84	-0.01
29	C	2,4-Dichlorophenol	0.294	0.284	3.4	82	0.00
30		1,2,4-Trichlorobenzene	0.289	0.275	4.8	82	0.00
31		Naphthalene	0.910	0.867	4.7	83	0.00
32		Benzoic acid	0.195	0.163	16.4	73	-0.04
33		4-Chloroaniline	0.341	0.317	7.0	80	0.00
34	C	Hexachlorobutadiene	0.201	0.185	8.0	80	0.00
35		Caprolactam	0.093	0.078	16.1	73	-0.05
36	C	4-Chloro-3-methylphenol	0.282	0.258	8.5	80	0.00
37		2-Methylnaphthalene	0.606	0.564	6.9	82	0.00
38		1-Methylnaphthalene	0.588	0.541	8.0	80	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	85	0.00
40		1,2,4,5-Tetrachlorobenzene	0.553	0.552	0.2	80	0.00
41	P	Hexachlorocyclopentadiene	0.229	0.198	13.5	65	0.00
42	S	2,4,6-Tribromophenol	0.199	0.170	14.6	70	0.00
43	C	2,4,6-Trichlorophenol	0.404	0.385	4.7	73	0.00
44		2,4,5-Trichlorophenol	0.427	0.416	2.6	78	0.00
45	S	2-Fluorobiphenyl	1.260	1.173	6.9	81	-0.01
46		1,1'-Biphenyl	1.324	1.285	2.9	79	0.00
47		2-Chloronaphthalene	1.104	1.102	0.2	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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	0.359	-2.9	78	0.00
49		Acenaphthylene	1.552	1.488	4.1	78	0.00
50		Dimethylphthalate	1.270	1.174	7.6	77	0.00
51		2,6-Dinitrotoluene	0.236	0.245	-3.8	80	-0.01
52	C	Acenaphthene	1.017	0.988	2.9	80	0.00
53		3-Nitroaniline	0.288	0.288	0.0	80	-0.01
54	P	2,4-Dinitrophenol	0.118	0.150	-27.1#	107	0.00
55		Dibenzofuran	1.436	1.365	4.9	78	0.00
56	P	4-Nitrophenol	0.218	0.221	-1.4	80	0.00
57		2,4-Dinitrotoluene	0.320	0.327	-2.2	76	0.00
58		Fluorene	1.083	1.034	4.5	80	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.272	9.9	71	0.00
60		Diethylphthalate	1.180	1.076	8.8	75	-0.01
61		4-Chlorophenyl-phenylether	0.573	0.537	6.3	76	0.00
62		4-Nitroaniline	0.277	0.251	9.4	73	-0.02
63		Azobenzene	1.233	1.157	6.2	77	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	78	0.00
65		4,6-Dinitro-2-methylphenol	0.101	0.105	-4.0	74	-0.01
66	c	n-Nitrosodiphenylamine	0.628	0.632	-0.6	75	-0.01
67		4-Bromophenyl-phenylether	0.221	0.208	5.9	71	0.00
68		Hexachlorobenzene	0.256	0.236	7.8	69	0.00
69		Atrazine	0.190	0.170	10.5	69	-0.01
70	C	Pentachlorophenol	0.147	0.133	9.5	66	0.00
71		Phenanthrene	0.970	0.937	3.4	75	0.00
72		Anthracene	0.980	0.950	3.1	73	0.00
73		Carbazole	0.868	0.813	6.3	72	0.00
74		Di-n-butylphthalate	1.005	0.932	7.3	69	0.00
75	C	Fluoranthene	1.002	0.880	12.2	67	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	69	0.00
77		Benzidine	0.694	0.557	19.7	51	0.00
78		Pyrene	1.667	1.786	-7.1	67	0.00
79	S	Terphenyl-d14	1.170	1.232	-5.3	67	-0.01
80		Butylbenzylphthalate	0.542	0.552	-1.8	62	0.00
81		Benzo(a)anthracene	1.309	1.289	1.5	64	0.00
82		3,3'-Dichlorobenzidine	0.399	0.405	-1.5	64	0.00
83		Chrysene	1.211	1.219	-0.7	65	0.00
84		Bis(2-ethylhexyl)phthalate	0.653	0.682	-4.4	64	0.00
85	c	Di-n-octyl phthalate	1.072	1.265	-18.0	74	0.00
86	I	Perylene-d12	1.000	1.000	0.0	83	0.00
87		Indeno(1,2,3-cd)pyrene	1.225	1.460	-19.2	87	0.00
88		Benzo(b)fluoranthene	1.149	0.981	14.6	64	0.00
89		Benzo(k)fluoranthene	1.063	0.999	6.0	75	0.00
90	C	Benzo(a)pyrene	0.996	0.976	2.0	74	0.00
91		Dibenzo(a,h)anthracene	0.986	1.180	-19.7	87	-0.01
92		Benzo(g,h,i)perylene	0.986	1.193	-21.0	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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	91	0.00
2		1,4-Dioxane	40.000	39.771	0.6	87	-0.01
3		Pyridine	40.000	38.793	3.0	84	-0.01
4		n-Nitrosodimethylamine	40.000	36.698	8.3	82	-0.04
5	S	2-Fluorophenol	80.000	80.225	-0.3	88	0.00
6		Aniline	40.000	37.979	5.1	83	0.00
7	S	Phenol-d6	80.000	77.752	2.8	86	0.00
8		2-Chlorophenol	40.000	39.162	2.1	85	0.00
9		Benzaldehyde	40.000	40.630	-1.6	81	0.00
10	C	Phenol	40.000	40.961	-2.4	91	-0.01
11		bis(2-Chloroethyl)ether	40.000	38.721	3.2	84	-0.01
12		1,3-Dichlorobenzene	40.000	38.108	4.7	84	0.00
13	C	1,4-Dichlorobenzene	40.000	39.051	2.4	86	0.00
14		1,2-Dichlorobenzene	40.000	39.302	1.7	87	0.00
15		Benzyl Alcohol	40.000	38.164	4.6	83	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	38.888	2.8	86	0.00
17		2-Methylphenol	40.000	38.143	4.6	84	0.00
18		Hexachloroethane	40.000	38.681	3.3	85	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.214	9.5	83	-0.02
20		3+4-Methylphenols	40.000	38.820	2.9	82	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	89	0.00
22		Acetophenone	40.000	36.806	8.0	80	-0.01
23	S	Nitrobenzene-d5	80.000	80.513	-0.6	86	-0.01
24		Nitrobenzene	40.000	40.091	-0.2	84	-0.01
25		Isophorone	40.000	36.283	9.3	80	-0.02
26	C	2-Nitrophenol	40.000	44.102	-10.3	89	0.00
27		2,4-Dimethylphenol	40.000	38.775	3.1	83	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.064	4.8	84	-0.01
29	C	2,4-Dichlorophenol	40.000	38.622	3.4	82	0.00
30		1,2,4-Trichlorobenzene	40.000	38.111	4.7	82	0.00
31		Naphthalene	40.000	38.125	4.7	83	0.00
32		Benzoic acid	40.000	33.454	16.4	73	-0.04
33		4-Chloroaniline	40.000	37.121	7.2	80	0.00
34	C	Hexachlorobutadiene	40.000	36.820	7.9	80	0.00
35		Caprolactam	40.000	33.592	16.0	73	-0.05
36	C	4-Chloro-3-methylphenol	40.000	36.599	8.5	80	0.00
37		2-Methylnaphthalene	40.000	37.215	7.0	82	0.00
38		1-Methylnaphthalene	40.000	36.835	7.9	80	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	85	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.935	0.2	80	0.00
41	P	Hexachlorocyclopentadiene	40.000	34.519	13.7	65	0.00
42	S	2,4,6-Tribromophenol	80.000	68.447	14.4	70	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.088	4.8	73	0.00
44		2,4,5-Trichlorophenol	40.000	38.983	2.5	78	0.00
45	S	2-Fluorobiphenyl	80.000	74.454	6.9	81	-0.01
46		1,1'-Biphenyl	40.000	38.813	3.0	79	0.00
47		2-Chloronaphthalene	40.000	39.918	0.2	82	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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	41.110	-2.8	78	0.00
49		Acenaphthylene	40.000	38.355	4.1	78	0.00
50		Dimethylphthalate	40.000	36.978	7.6	77	0.00
51		2,6-Dinitrotoluene	40.000	41.669	-4.2	80	-0.01
52	C	Acenaphthene	40.000	38.850	2.9	80	0.00
53		3-Nitroaniline	40.000	39.926	0.2	80	-0.01
54	P	2,4-Dinitrophenol	40.000	44.671	-11.7	107	0.00
55		Dibenzofuran	40.000	38.039	4.9	78	0.00
56	P	4-Nitrophenol	40.000	40.532	-1.3	80	0.00
57		2,4-Dinitrotoluene	40.000	40.776	-1.9	76	0.00
58		Fluorene	40.000	38.186	4.5	80	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	35.983	10.0	71	0.00
60		Diethylphthalate	40.000	36.475	8.8	75	-0.01
61		4-Chlorophenyl-phenylether	40.000	37.479	6.3	76	0.00
62		4-Nitroaniline	40.000	36.275	9.3	73	-0.02
63		Azobenzene	40.000	37.526	6.2	77	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	78	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.812	-4.5	74	-0.01
66	c	n-Nitrosodiphenylamine	40.000	40.263	-0.7	75	-0.01
67		4-Bromophenyl-phenylether	40.000	37.679	5.8	71	0.00
68		Hexachlorobenzene	40.000	36.926	7.7	69	0.00
69		Atrazine	40.000	35.821	10.4	69	-0.01
70	C	Pentachlorophenol	40.000	36.128	9.7	66	0.00
71		Phenanthrene	40.000	38.651	3.4	75	0.00
72		Anthracene	40.000	38.807	3.0	73	0.00
73		Carbazole	40.000	37.489	6.3	72	0.00
74		Di-n-butylphthalate	40.000	37.085	7.3	69	0.00
75	C	Fluoranthene	40.000	35.129	12.2	67	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	69	0.00
77		Benzidine	40.000	32.073	19.8	51	0.00
78		Pyrene	40.000	42.849	-7.1	67	0.00
79	S	Terphenyl-d14	80.000	84.202	-5.3	67	-0.01
80		Butylbenzylphthalate	40.000	40.760	-1.9	62	0.00
81		Benzo(a)anthracene	40.000	39.389	1.5	64	0.00
82		3,3'-Dichlorobenzidine	40.000	40.664	-1.7	64	0.00
83		Chrysene	40.000	40.255	-0.6	65	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.810	-4.5	64	0.00
85	c	Di-n-octyl phthalate	40.000	47.203	-18.0	74	0.00
86	I	Perylene-d12	20.000	20.000	0.0	83	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	47.654	-19.1	87	0.00
88		Benzo(b)fluoranthene	40.000	34.144	14.6	64	0.00
89		Benzo(k)fluoranthene	40.000	37.571	6.1	75	0.00
90	C	Benzo(a)pyrene	40.000	39.171	2.1	74	0.00
91		Dibenzo(a,h)anthracene	40.000	47.870	-19.7	87	-0.01
92		Benzo(g,h,i)perylene	40.000	48.426	-21.1	89	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144032.D
Acq On : 22 Oct 2025 10:25
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Oct 22 10:45:47 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

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.: Q3376

Instrument ID: BNA_G Calibration Date/Time: 10/28/2025 13:45

Lab File ID: BG064600.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.192	1.244		4.4	
Benzaldehyde	0.893	0.888		-0.6	
Phenol-d6	1.635	1.675		2.4	
Phenol	1.808	1.888		4.4	20.0
bis(2-Chloroethyl)ether	2.225	2.289		2.9	
2-Chlorophenol	1.247	1.245		-0.2	
2-Methylphenol	0.674	0.680		0.9	
2,2-oxybis(1-Chloropropane)	3.487	3.880		11.3	
Acetophenone	0.547	0.583		6.6	
3+4-Methylphenols	1.688	1.671		-1.0	
n-Nitroso-di-n-propylamine	1.130	1.210	0.050	7.1	
Nitrobenzene-d5	0.333	0.361		8.4	
Hexachloroethane	0.512	0.551		7.6	
Nitrobenzene	0.362	0.392		8.3	
Isophorone	0.799	0.869		8.8	
2-Nitrophenol	0.121	0.135		11.6	20.0
2,4-Dimethylphenol	0.303	0.323		6.6	
bis(2-Chloroethoxy)methane	0.455	0.488		7.3	
2,4-Dichlorophenol	0.320	0.337		5.3	20.0
Naphthalene	1.109	1.185		6.9	
4-Chloroaniline	0.431	0.453		5.1	
Hexachlorobutadiene	0.284	0.301		6.0	20.0
Caprolactam	0.123	0.122		-0.8	
4-Chloro-3-methylphenol	0.384	0.408		6.3	20.0
2-Methylnaphthalene	0.814	0.869		6.8	
Hexachlorocyclopentadiene	0.302	0.327	0.050	8.3	
2,4,6-Trichlorophenol	0.384	0.408		6.3	20.0
2-Fluorobiphenyl	1.319	1.384		4.9	
2,4,5-Trichlorophenol	0.443	0.462		4.3	
1,1-Biphenyl	1.422	1.511		6.3	
2-Chloronaphthalene	1.073	1.142		6.4	
2-Nitroaniline	0.311	0.324		4.2	
Dimethylphthalate	1.530	1.578		3.1	
Acenaphthylene	1.693	1.798		6.2	
2,6-Dinitrotoluene	0.218	0.235		7.8	
3-Nitroaniline	0.263	0.290		10.3	
Acenaphthene	1.157	1.231		6.4	20.0
2,4-Dinitrophenol	0.132	0.158	0.050	19.7	
4-Nitrophenol	0.244	0.261	0.050	7.0	

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.: Q3376

Instrument ID: BNA_G Calibration Date/Time: 10/28/2025 13:45

Lab File ID: BG064600.D Init. Calib. Date(s): 10/24/2025 10/24/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:00 15:32

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.870	1.967		5.2	
2,4-Dinitrotoluene	0.340	0.374		10.0	
Diethylphthalate	1.563	1.619		3.6	
4-Chlorophenyl-phenylether	0.820	0.874		6.6	
Fluorene	1.460	1.566		7.3	
4-Nitroaniline	0.293	0.338		15.4	
4,6-Dinitro-2-methylphenol	0.079	0.096		21.5	
n-Nitrosodiphenylamine	0.540	0.566		4.8	20.0
2,4,6-Tribromophenol	0.289	0.305		5.5	
4-Bromophenyl-phenylether	0.237	0.250		5.5	
Hexachlorobenzene	0.270	0.286		5.9	
Atrazine	0.232	0.232		0.0	
Pentachlorophenol	0.169	0.180		6.5	20.0
Phenanthrene	1.094	1.174		7.3	
Anthracene	1.113	1.198		7.6	
Carbazole	0.981	1.064		8.5	
Di-n-butylphthalate	1.135	1.176		3.6	
Fluoranthene	1.370	1.518		10.8	20.0
Pyrene	1.307	1.281		-2.0	
Terphenyl-d14	1.060	1.051		-0.8	
Butylbenzylphthalate	0.395	0.408		3.3	
3,3-Dichlorobenzidine	0.443	0.483		9.0	
Benzo(a)anthracene	1.326	1.430		7.8	
Chrysene	1.262	1.347		6.7	
Bis(2-ethylhexyl)phthalate	0.590	0.618		4.7	
Di-n-octyl phthalate	0.995	1.069		7.4	20.0
Benzo(b)fluoranthene	1.226	1.284		4.7	
Benzo(k)fluoranthene	1.227	1.304		6.3	
Benzo(a)pyrene	1.127	1.201		6.6	20.0
Indeno(1,2,3-cd)pyrene	1.471	1.584		7.7	
Dibenzo(a,h)anthracene	1.195	1.292		8.1	
Benzo(g,h,i)perylene	1.471	1.584		7.7	
1,2,4,5-Tetrachlorobenzene	0.671	0.712		6.1	
1,4-Dioxane	0.528	0.500		-5.3	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.450		6.1	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	8.219	152	28654	20.000	ng		0.00
21) Naphthalene-d8	11.045	136	112694	20.000	ng		0.00
39) Acenaphthene-d10	14.841	164	87446	20.000	ng		0.00
64) Phenanthrene-d10	17.573	188	216707	20.000	ng		0.00
76) Chrysene-d12	21.850	240	273944	20.000	ng		-0.01
86) Perylene-d12	25.187	264	304830	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.740	112	142616	83.542	ng		0.00
7) Phenol-d6	7.349	99	191982	81.955	ng		0.00
23) Nitrobenzene-d5	9.382	82	162656	86.691	ng		0.00
42) 2,4,6-Tribromophenol	16.315	330	106515	84.394	ng		0.00
45) 2-Fluorobiphenyl	13.472	172	484009	83.896	ng		0.00
79) Terphenyl-d14	20.164	244	1151331	79.314	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.583	88	28627	37.877	ng		96
3) Pyridine	3.995	79	85039	37.468	ng		96
4) n-Nitrosodimethylamine	3.901	42	48193	39.595	ng		98
6) Aniline	7.526	93	131167	41.150	ng		97
8) 2-Chlorophenol	7.773	128	71365	39.939	ng		97
9) Benzaldehyde	7.338	77	50881	39.786	ng		98
10) Phenol	7.373	94	108177	41.757	ng		93
11) bis(2-Chloroethyl)ether	7.526	93	131167	41.150	ng		100
12) 1,3-Dichlorobenzene	8.107	146	85428	41.539	ng		99
13) 1,4-Dichlorobenzene	8.254	146	87240	41.719	ng		92
14) 1,2-Dichlorobenzene	8.577	146	82629	40.967	ng		97
15) Benzyl Alcohol	8.442	79	75132	38.894	ng		99
16) 2,2'-oxybis(1-Chloropr...	8.736	45	222337	44.501	ng		98
17) 2-Methylphenol	8.442	107	38996	40.386	ng		89
18) Hexachloroethane	9.324	117	31601	43.063	ng		91
19) n-Nitroso-di-n-propyla...	9.018	70	69339	42.830	ng		98
20) 3+4-Methylphenols	8.971	107	95766	39.590	ng		98
22) Acetophenone	9.036	105	131316	42.627	ng	#	99
24) Nitrobenzene	9.424	77	88243	43.241	ng		99
25) Isophorone	9.952	82	195962	43.526	ng		98
26) 2-Nitrophenol	10.140	139	30416	39.240	ng		95
27) 2,4-Dimethylphenol	10.187	122	72780	42.606	ng		92
28) bis(2-Chloroethoxy)met...	10.428	93	110021	42.920	ng		99
29) 2,4-Dichlorophenol	10.675	162	75996	42.166	ng		98
30) 1,2,4-Trichlorobenzene	10.904	180	88031	42.989	ng		94
31) Naphthalene	11.092	128	267088	42.747	ng		98
32) Benzoic acid	10.293	122	40002m	34.725	ng		
33) 4-Chloroaniline	11.186	127	102047	42.020	ng		96
34) Hexachlorobutadiene	11.386	225	67950	42.430	ng		97
35) Caprolactam	11.944	113	27418	39.664	ng	#	82
36) 4-Chloro-3-methylphenol	12.285	107	91886	42.414	ng		95
37) 2-Methylnaphthalene	12.684	142	195870	42.698	ng		99
38) 1-Methylnaphthalene	12.902	142	190905	42.294	ng		100
40) 1,2,4,5-Tetrachloroben...	13.049	216	124461	42.409	ng		99
41) Hexachlorocyclopentadiene	13.037	237	57178	43.286	ng		96
43) 2,4,6-Trichlorophenol	13.272	196	71291	42.468	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	13.342	196	80887	41.754	ng		99
46) 1,1'-Biphenyl	13.677	154	264348	42.521	ng		98
47) 2-Chloronaphthalene	13.724	162	199722	42.561	ng		99
48) 2-Nitroaniline	13.906	65	56752	36.830	ng		95
49) Acenaphthylene	14.565	152	314519	42.492	ng		100
50) Dimethylphthalate	14.283	163	275910	41.234	ng		100
51) 2,6-Dinitrotoluene	14.394	165	41085	37.929	ng		97
52) Acenaphthene	14.905	154	215218	42.558	ng		99
53) 3-Nitroaniline	14.723	138	50696	44.086	ng		98
54) 2,4-Dinitrophenol	14.923	184	27617	43.496	ng		79
55) Dibenzofuran	15.234	168	344095	42.088	ng		96
56) 4-Nitrophenol	15.011	139	45706	42.870	ng		92
57) 2,4-Dinitrotoluene	15.176	165	65358	38.904	ng	#	98
58) Fluorene	15.881	166	273843	42.889	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.452	232	78718	42.494	ng		99
60) Diethylphthalate	15.640	149	283156	41.444	ng		98
61) 4-Chlorophenyl-phenyle...	15.869	204	152906	42.673	ng		97
62) 4-Nitroaniline	15.881	138	59041	46.150	ng		95
63) Azobenzene	16.163	77	272127	43.410	ng		97
65) 4,6-Dinitro-2-methylph...	15.939	198	41592	44.112	ng		93
66) n-Nitrosodiphenylamine	16.080	169	245458	41.931	ng		98
67) 4-Bromophenyl-phenylether	16.762	248	108377	42.202	ng		98
68) Hexachlorobenzene	16.885	284	124024	42.333	ng		97
69) Atrazine	17.015	200	100596	39.933	ng		97
70) Pentachlorophenol	17.220	266	77871	42.624	ng		94
71) Phenanthrene	17.620	178	508872	42.940	ng		99
72) Anthracene	17.708	178	519429	43.088	ng		100
73) Carbazole	17.966	167	461150	43.381	ng		99
74) Di-n-butylphthalate	18.525	149	509848	41.476	ng		99
75) Fluoranthene	19.612	202	657820	44.309	ng		100
77) Benzidine	19.776	184	263080	42.865	ng		99
78) Pyrene	19.970	202	701611	39.200	ng		99
80) Butylbenzylphthalate	20.851	149	223322	41.284	ng		98
81) Benzo(a)anthracene	21.833	228	783360	43.127	ng		99
82) 3,3'-Dichlorobenzidine	21.733	252	264664	43.634	ng		99
83) Chrysene	21.897	228	737979	42.699	ng		99
84) Bis(2-ethylhexyl)phtha...	21.738	149	338648	41.896	ng		99
85) Di-n-octyl phthalate	23.002	149	585842	42.989	ng		99
87) Indeno(1,2,3-cd)pyrene	29.030	276	965926	43.075	ng		99
88) Benzo(b)fluoranthene	24.136	252	782982	41.888	ng		100
89) Benzo(k)fluoranthene	24.200	252	795148	42.510	ng		98
90) Benzo(a)pyrene	25.041	252	732498	42.632	ng		98
91) Dibenzo(a,h)anthracene	29.095	278	787525	43.228	ng		97
92) Benzo(g,h,i)perylene	29.030	276	965926	43.075	ng		99

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

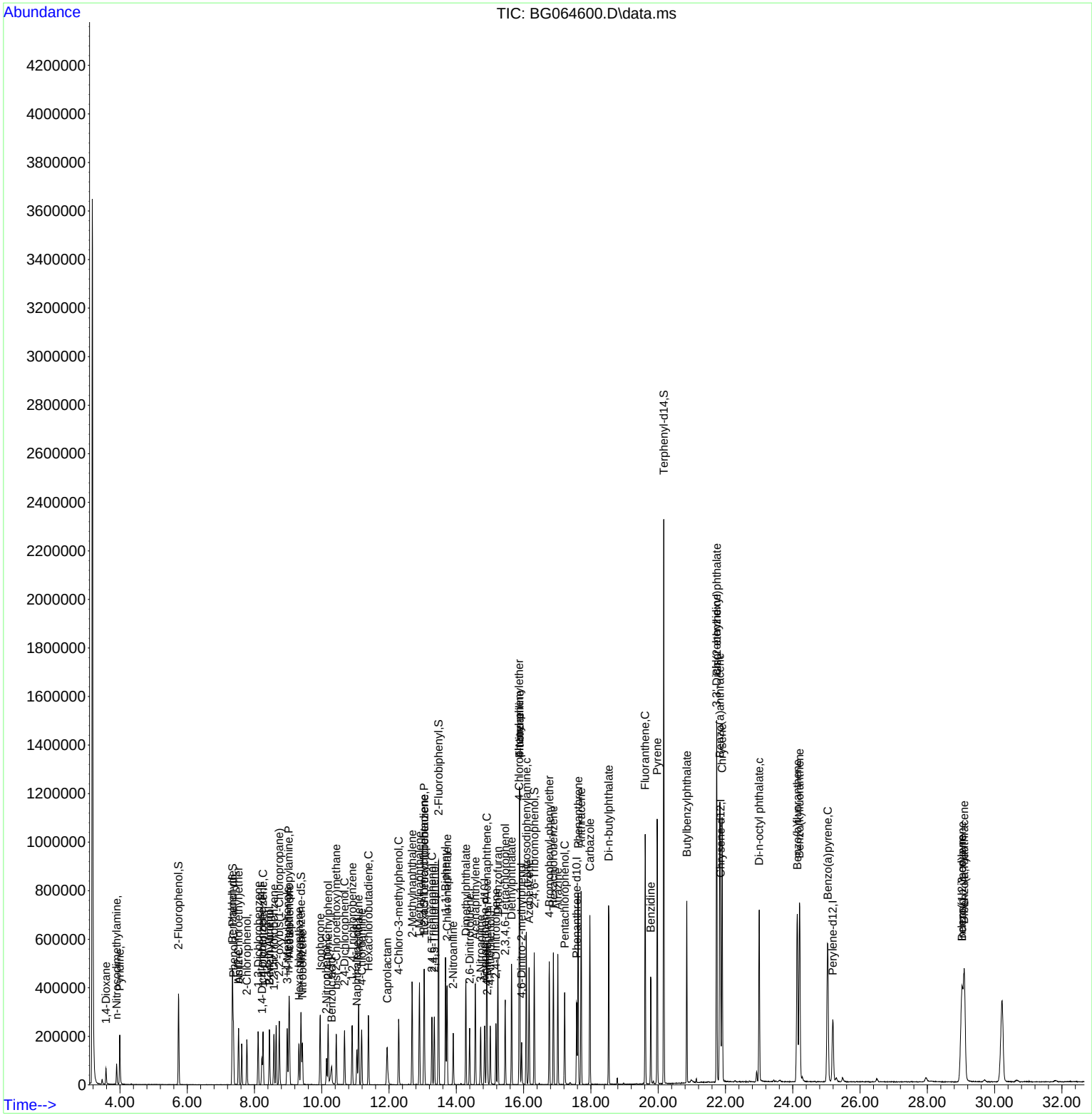
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

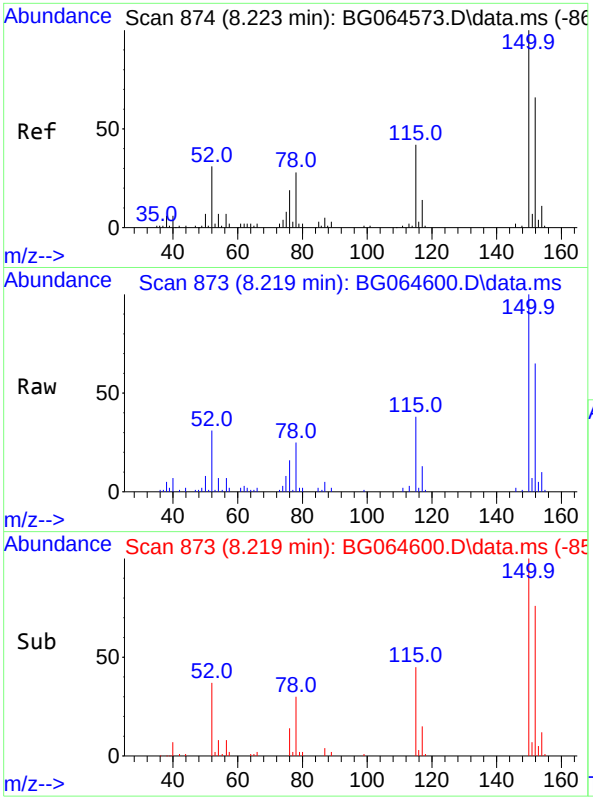
Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

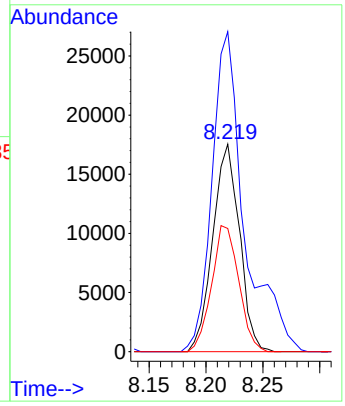




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.219 min Scan# 8
Delta R.T. -0.002 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:152 Resp: 2865

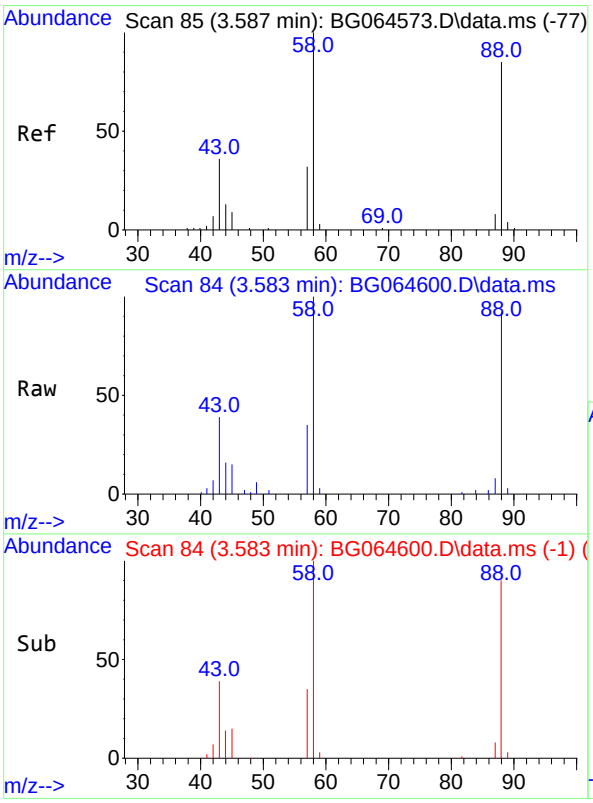
Ion	Ratio	Lower	Upper
152	100		
150	154.2	122.2	183.4
115	59.3	50.8	76.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

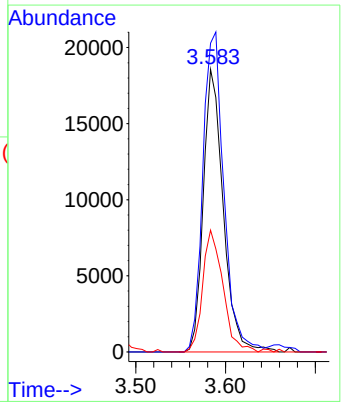
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

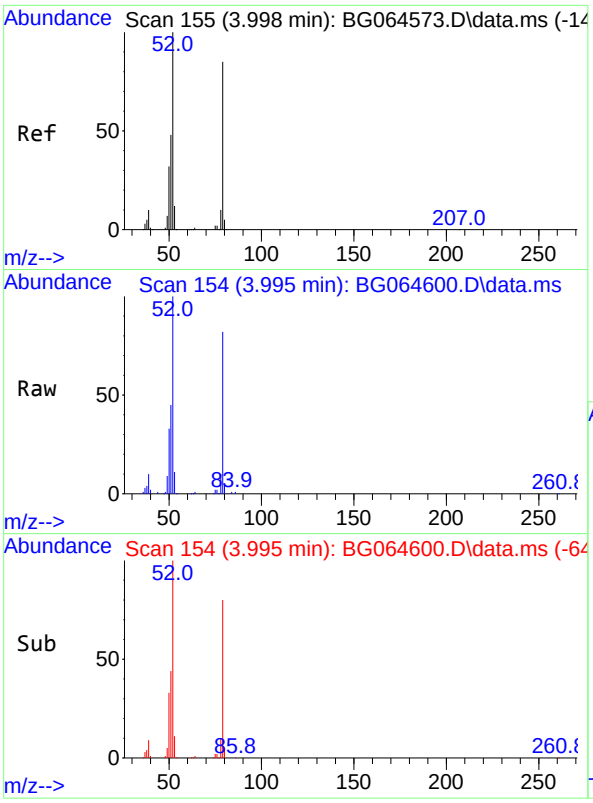


#2
1,4-Dioxane
Concen: 37.877 ng
RT: 3.583 min Scan# 84
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 88 Resp: 28627

Ion	Ratio	Lower	Upper
88	100		
58	119.2	92.4	138.6
43	43.7	33.0	49.6

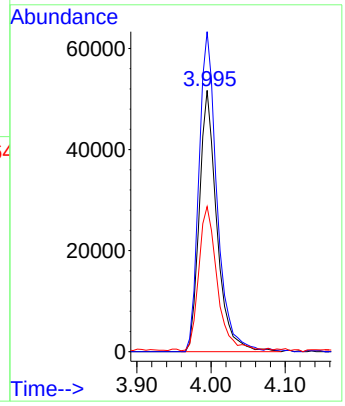




#3
Pyridine
Concen: 37.468 ng
RT: 3.995 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 79 Resp: 8503

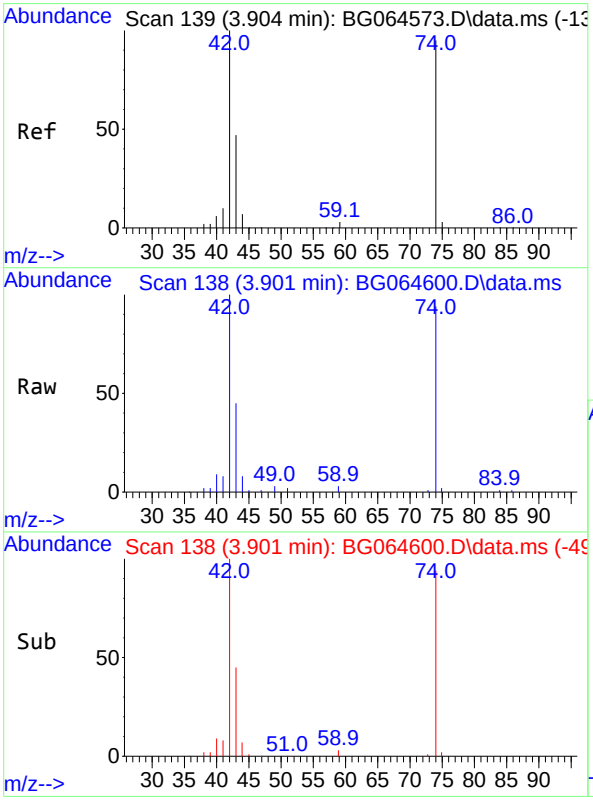
Ion	Ratio	Lower	Upper
79	100		
52	122.5	94.2	141.2
51	55.5	46.1	69.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

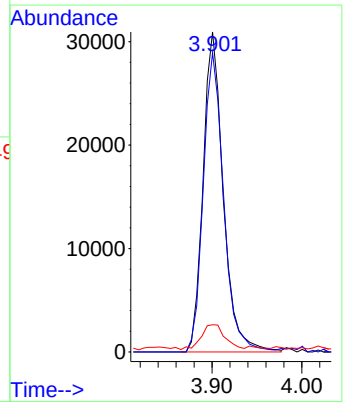
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

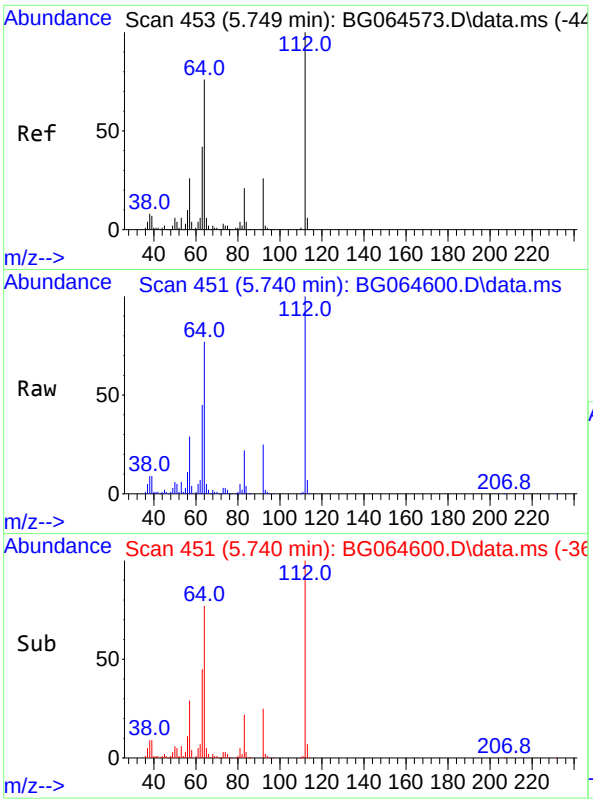


#4
n-Nitrosodimethylamine
Concen: 39.595 ng
RT: 3.901 min Scan# 138
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 42 Resp: 48193

Ion	Ratio	Lower	Upper
42	100		
74	93.5	76.1	114.1
44	8.5	6.3	9.5





#5
2-Fluorophenol
Concen: 83.542 ng
RT: 5.740 min Scan# 4
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

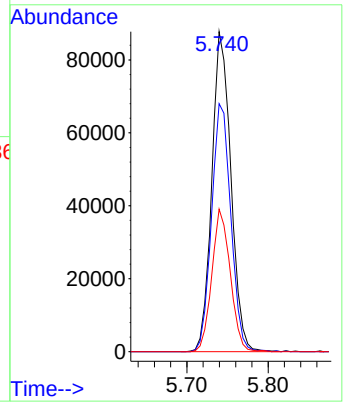
Tgt Ion:112 Resp: 14261

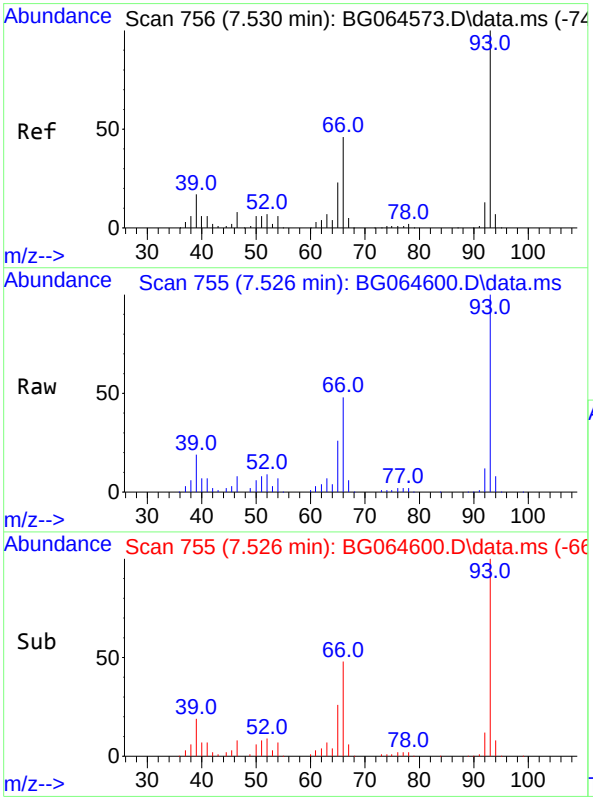
Ion	Ratio	Lower	Upper
112	100		
64	77.5	60.7	91.1
63	44.5	33.4	50.0

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

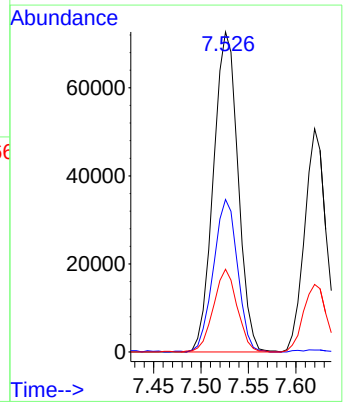


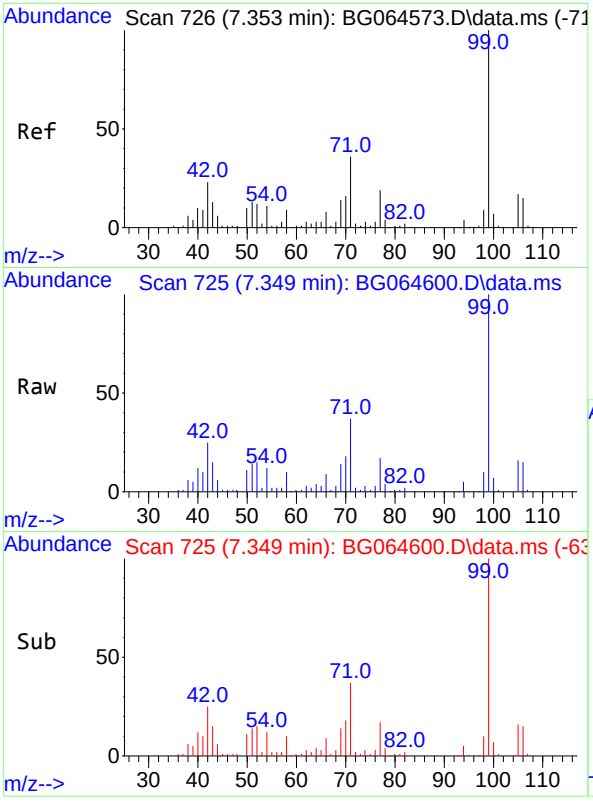


#6
Aniline
Concen: 41.150 ng
RT: 7.526 min Scan# 755
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 93 Resp: 131167

Ion	Ratio	Lower	Upper
93	100		
66	47.7	37.0	55.6
65	25.9	18.3	27.5

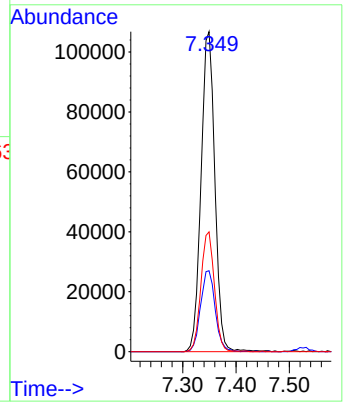




#7
Phenol-d6
Concen: 81.955 ng
RT: 7.349 min Scan# 7
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 99 Resp: 19198

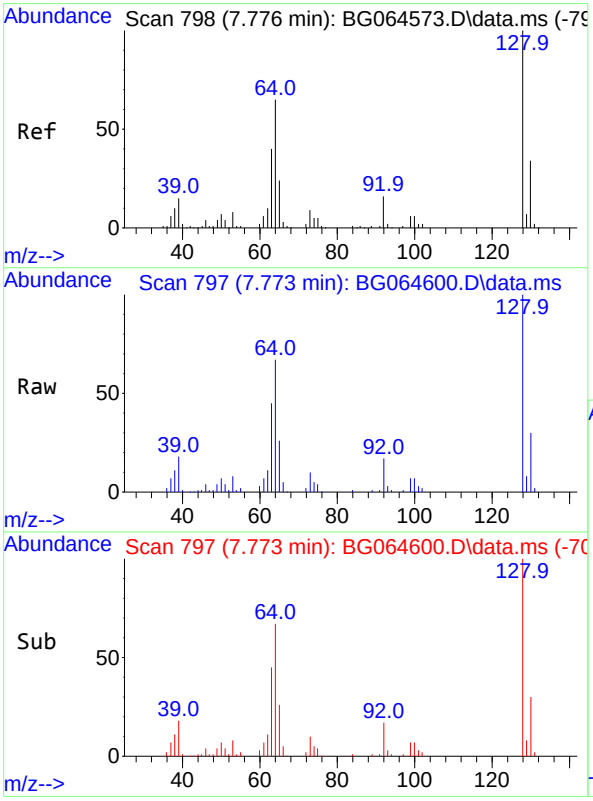
Ion	Ratio	Lower	Upper
99	100		
42	25.3	18.3	27.5
71	37.5	28.6	43.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

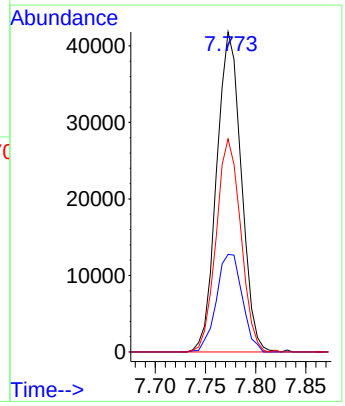
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

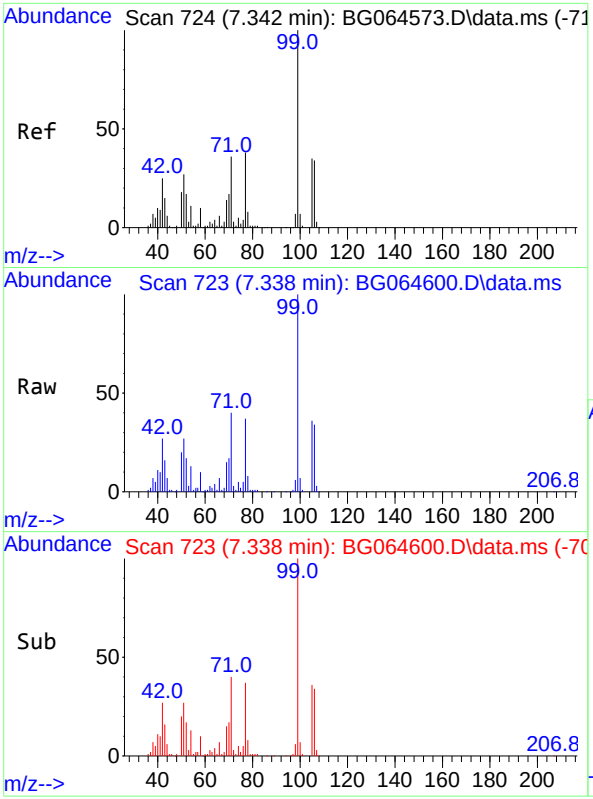


#8
2-Chlorophenol
Concen: 39.939 ng
RT: 7.773 min Scan# 797
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:128 Resp: 71365

Ion	Ratio	Lower	Upper
128	100		
130	30.5	13.5	53.5
64	66.5	45.2	85.2

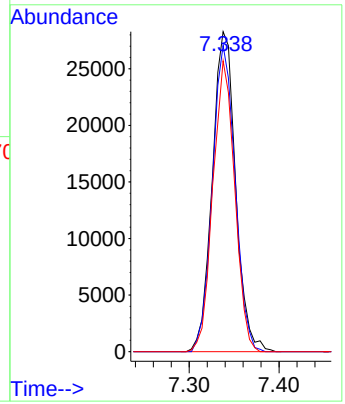




#9
Benzaldehyde
Concen: 39.786 ng
RT: 7.338 min Scan# 7
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 77 Resp: 5088

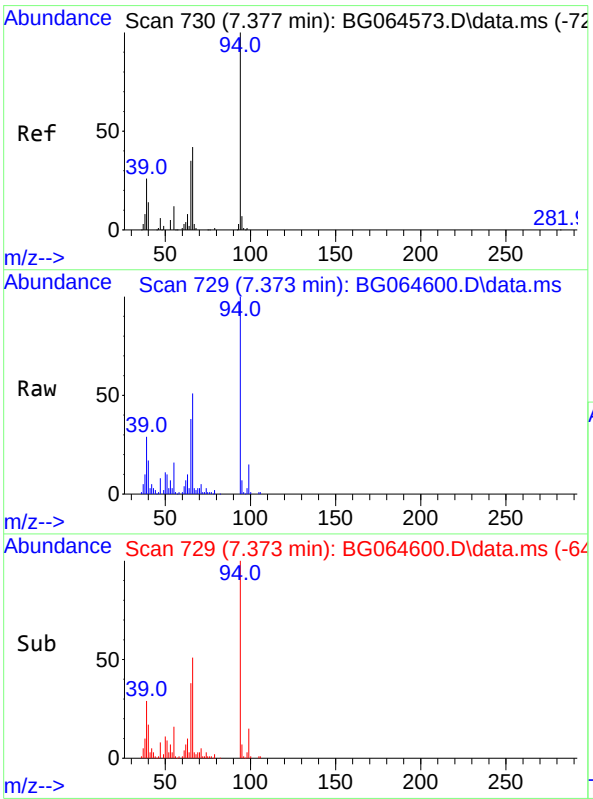
Ion	Ratio	Lower	Upper
77	100		
105	95.7	72.9	112.9
106	90.9	70.8	110.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

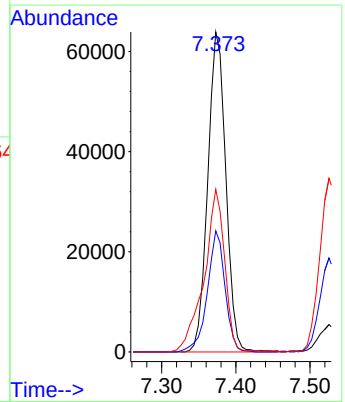
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

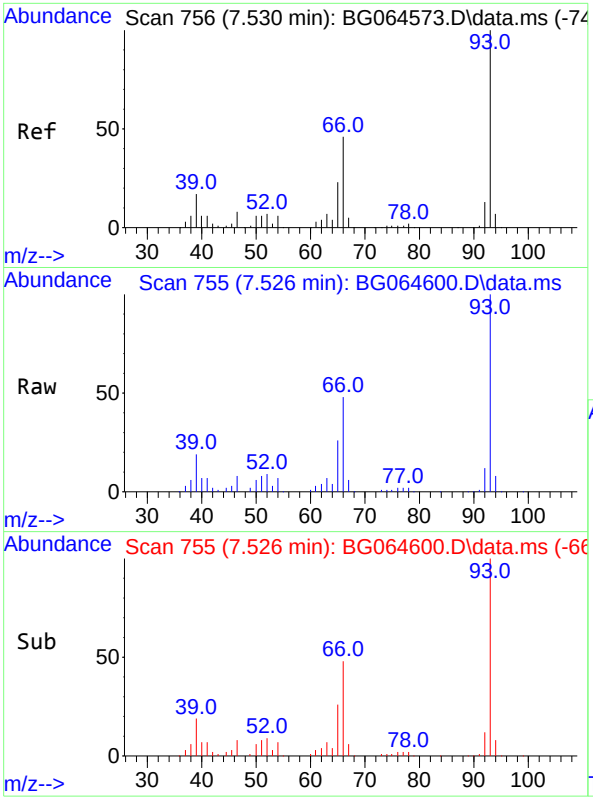


#10
Phenol
Concen: 41.757 ng
RT: 7.373 min Scan# 729
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 94 Resp: 108177

Ion	Ratio	Lower	Upper
94	100		
65	37.8	15.8	55.8
66	50.8	24.0	64.0

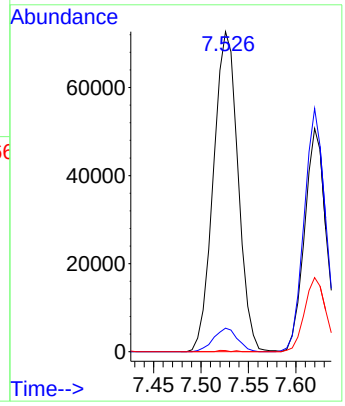




#11
bis(2-Chloroethyl)ether
Concen: 41.150 ng
RT: 7.526 min Scan# 7
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 93 Resp: 13116

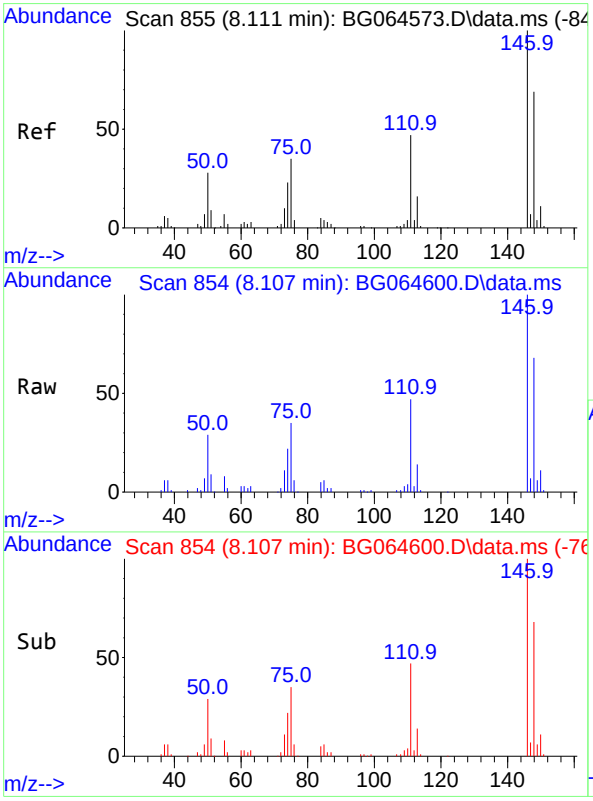
Ion	Ratio	Lower	Upper
93	100		
63	7.3	0.0	27.4
95	0.4	0.0	20.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

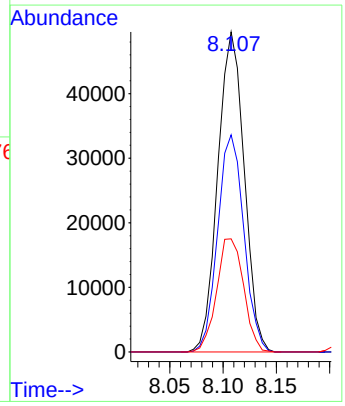
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

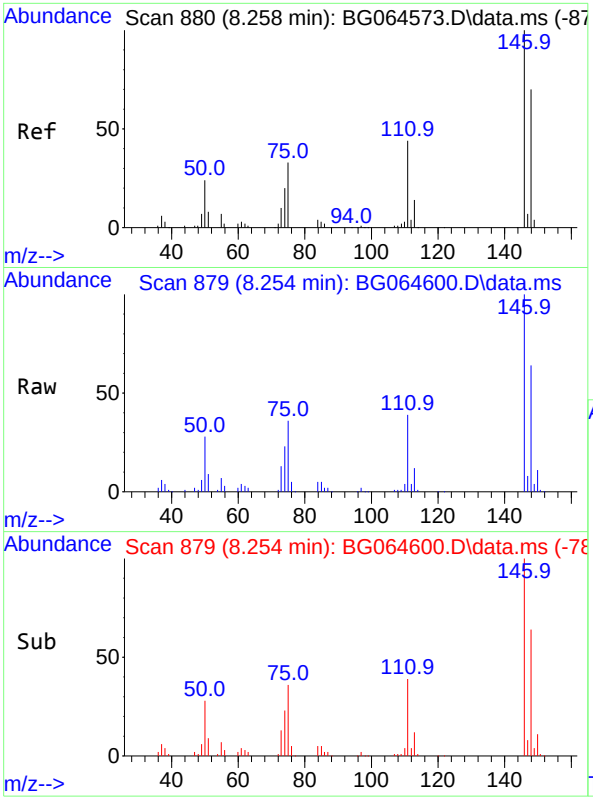


#12
1,3-Dichlorobenzene
Concen: 41.539 ng
RT: 8.107 min Scan# 854
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 85428

Ion	Ratio	Lower	Upper
146	100		
148	67.9	55.3	82.9
75	35.4	28.2	42.2

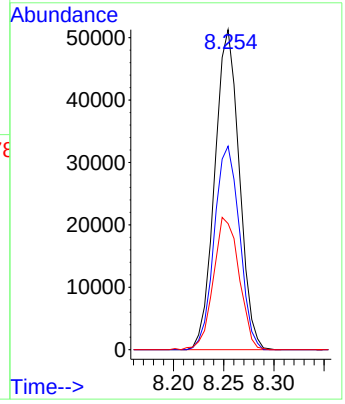




#13
1,4-Dichlorobenzene
Concen: 41.719 ng
RT: 8.254 min Scan# 8
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 8724

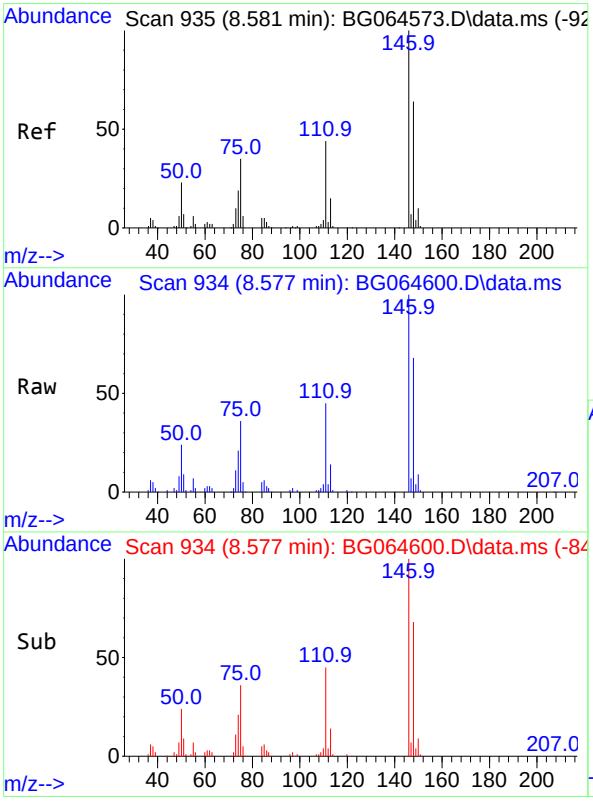
Ion	Ratio	Lower	Upper
146	100		
148	63.6	56.2	84.4
111	39.4	35.4	53.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

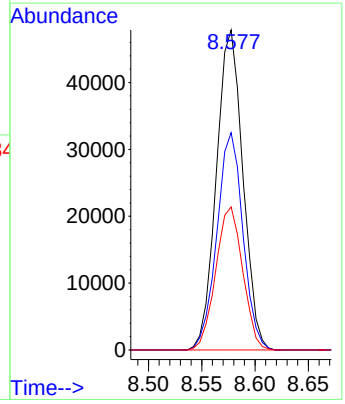
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

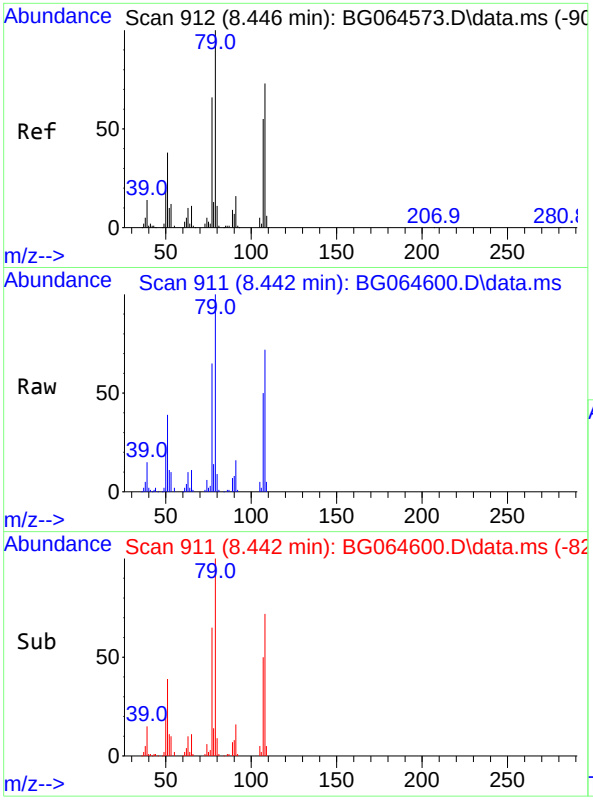


#14
1,2-Dichlorobenzene
Concen: 40.967 ng
RT: 8.577 min Scan# 934
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:146 Resp: 82629

Ion	Ratio	Lower	Upper
146	100		
148	67.9	51.5	77.3
111	44.7	35.0	52.6





#15
Benzyl Alcohol
Concen: 38.894 ng
RT: 8.442 min Scan# 9
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

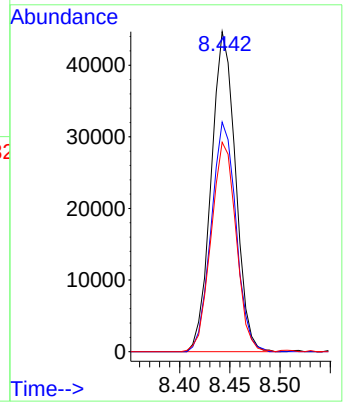
Tgt Ion: 79 Resp: 7513

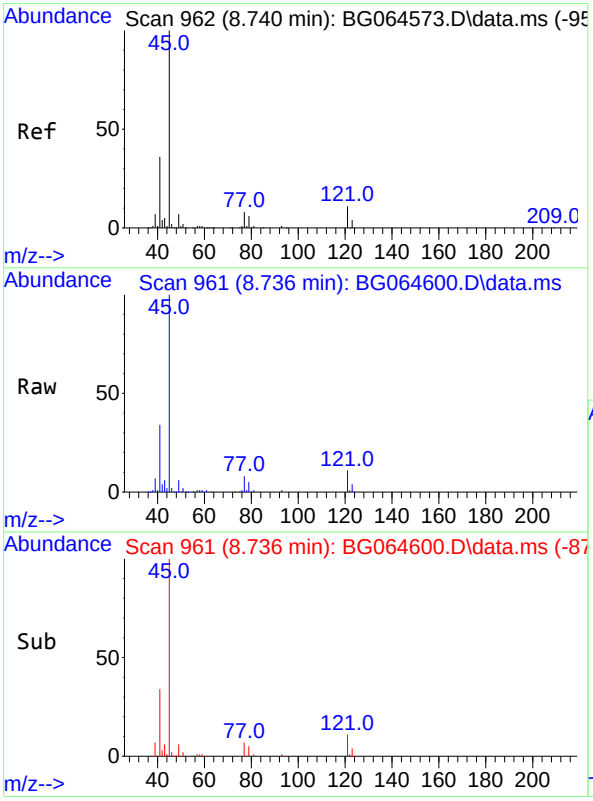
Ion	Ratio	Lower	Upper
79	100		
108	71.8	58.1	87.1
77	65.5	52.8	79.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

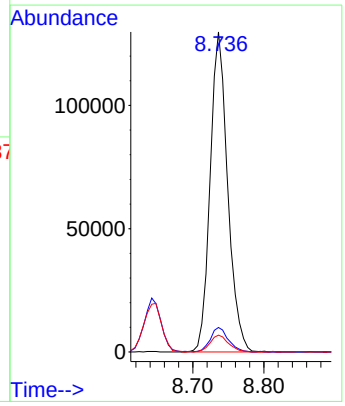


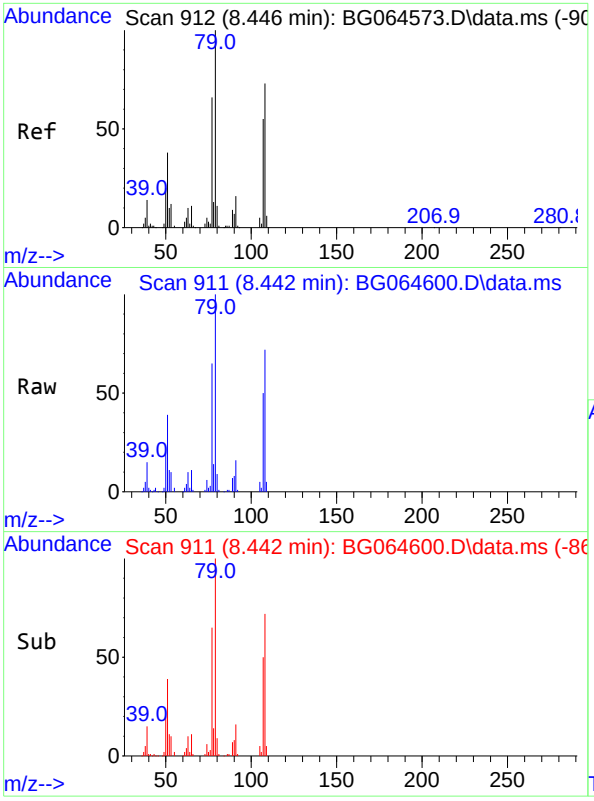


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.501 ng
RT: 8.736 min Scan# 961
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 45 Resp: 222337

Ion	Ratio	Lower	Upper
45	100		
77	7.7	0.0	28.5
79	5.2	0.0	25.6

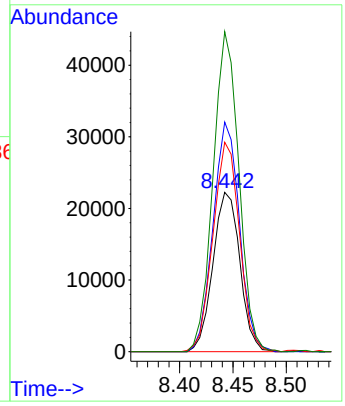




#17
2-Methylphenol
Concen: 40.386 ng
RT: 8.442 min Scan# 9
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

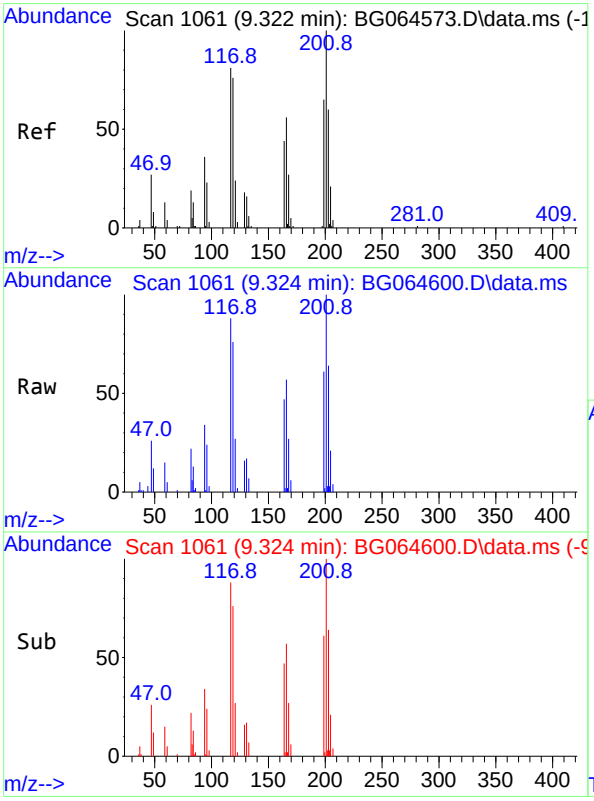
Tgt Ion:107 Resp: 3899

Ion	Ratio	Lower	Upper
107	100		
108	144.1	106.4	159.6
77	131.5	96.7	145.1
79	200.8	146.6	219.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

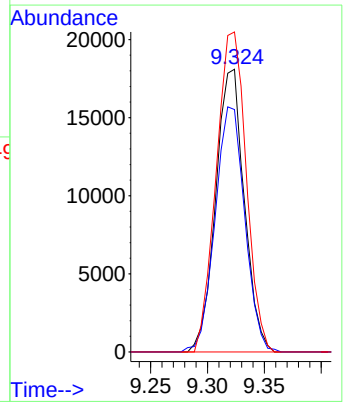
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

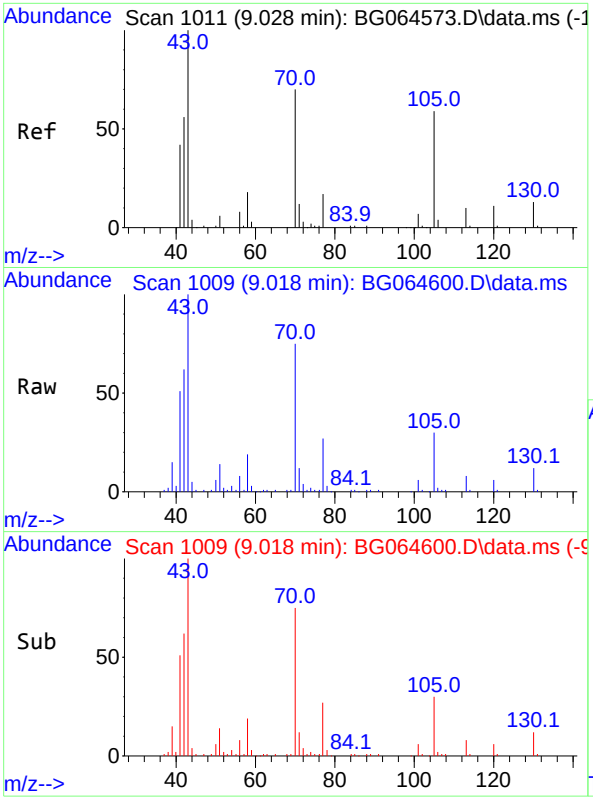


#18
Hexachloroethane
Concen: 43.063 ng
RT: 9.324 min Scan# 1061
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:117 Resp: 31601

Ion	Ratio	Lower	Upper
117	100		
119	85.8	75.4	113.2
201	113.2	99.2	148.8

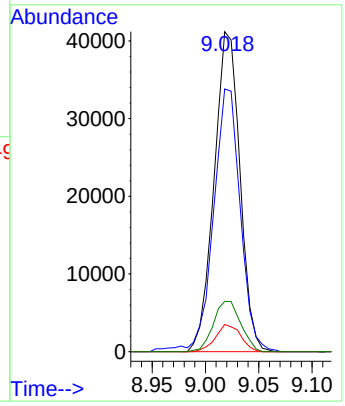




#19
n-Nitroso-di-n-propylamine
Concen: 42.830 ng
RT: 9.018 min Scan# 1
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 70 Resp: 6933

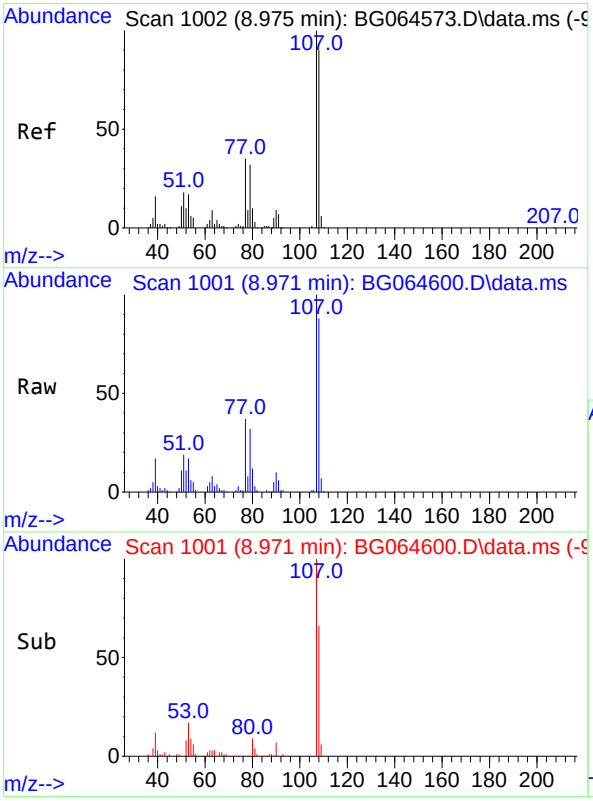
Ion	Ratio	Lower	Upper
70	100		
42	82.1	65.2	97.8
101	8.5	7.9	11.9
130	15.8	14.3	21.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

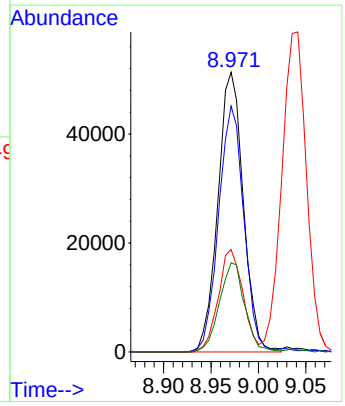
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

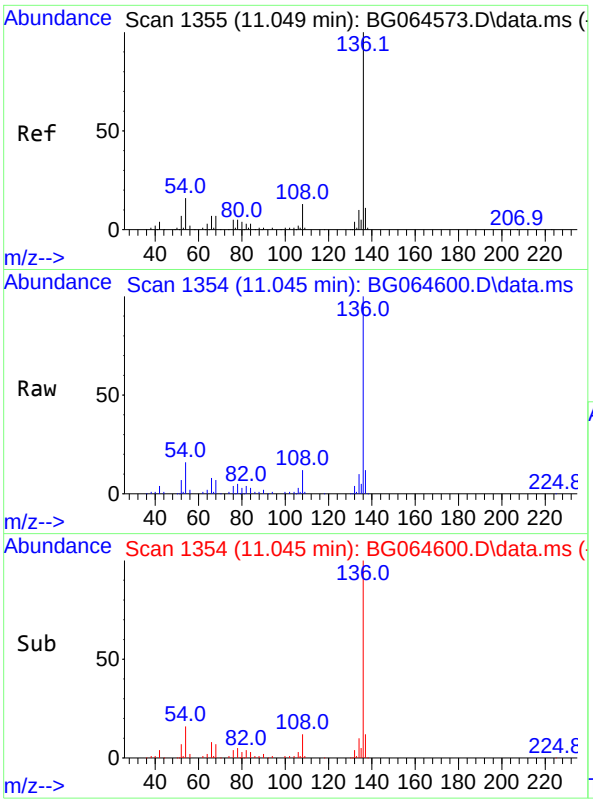


#20
3+4-Methylphenols
Concen: 39.590 ng
RT: 8.971 min Scan# 1001
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:107 Resp: 95766

Ion	Ratio	Lower	Upper
107	100		
108	87.9	70.3	110.3
77	36.6	14.6	54.6
79	31.9	11.7	51.7

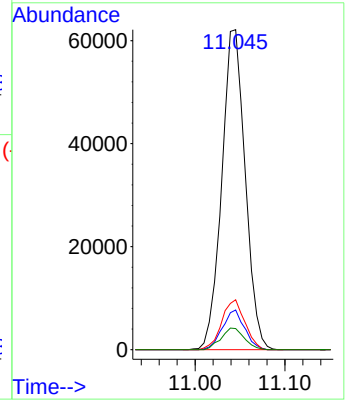




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.045 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:136 Resp: 11269

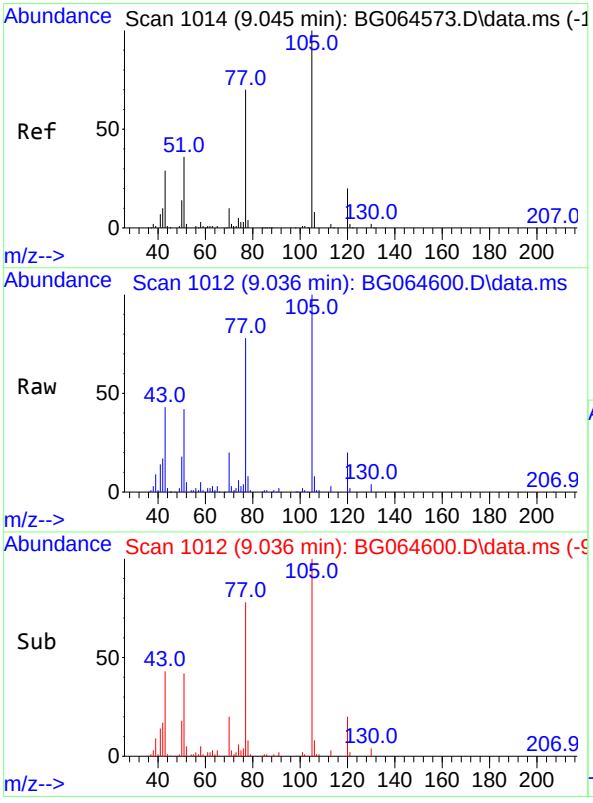
Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.2	13.8
54	15.6	12.6	19.0
68	6.6	5.7	8.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

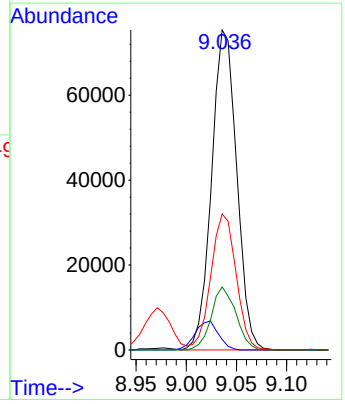
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

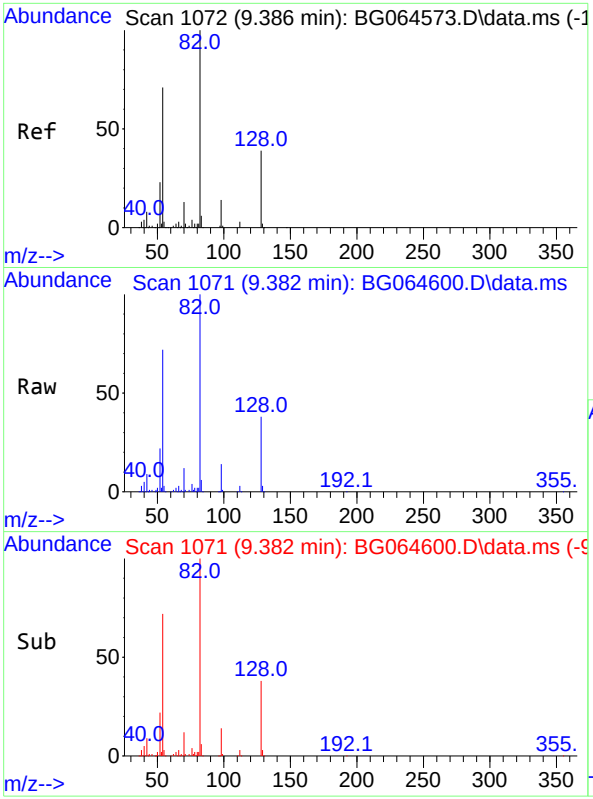


#22
Acetophenone
Concen: 42.627 ng
RT: 9.036 min Scan# 1012
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:105 Resp: 131316

Ion	Ratio	Lower	Upper
105	100		
71	3.3	1.5	2.3#
51	42.5	33.7	50.5
120	19.7	16.1	24.1

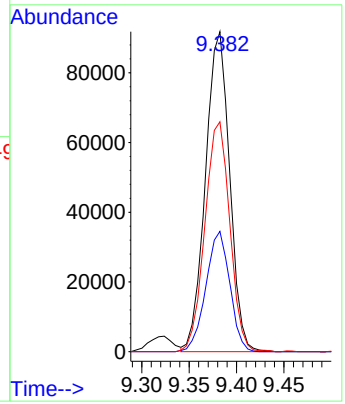




#23
Nitrobenzene-d5
Concen: 86.691 ng
RT: 9.382 min Scan# 1(
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 82 Resp: 16265(

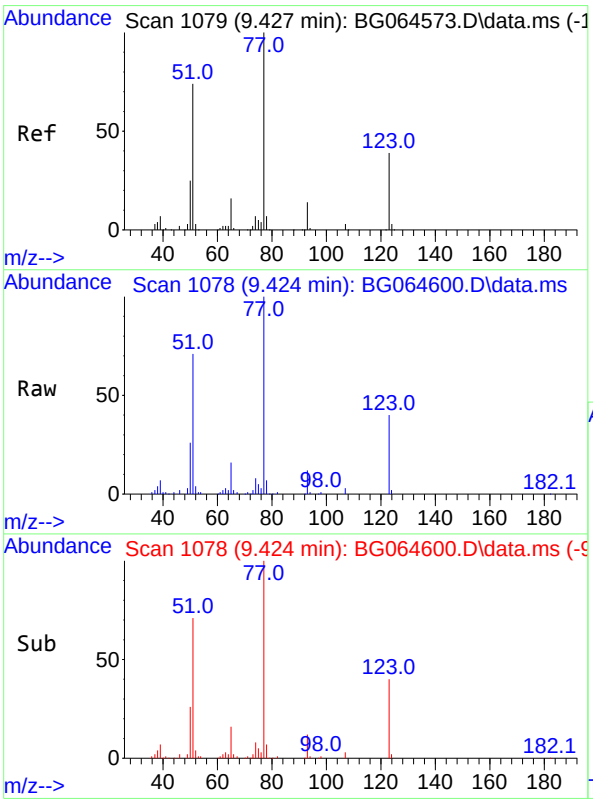
Ion	Ratio	Lower	Upper
82	100		
128	37.6	31.3	46.9
54	71.8	56.6	84.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

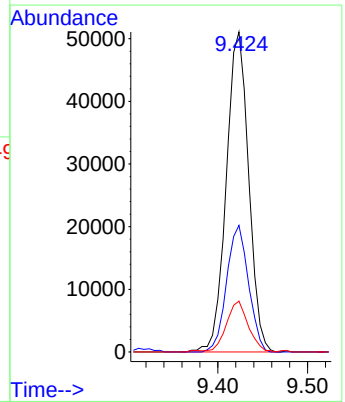
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

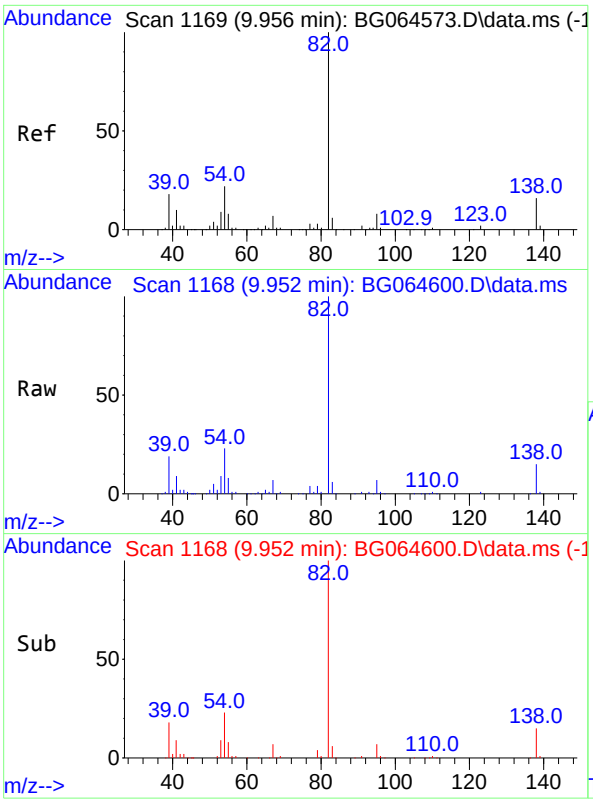


#24
Nitrobenzene
Concen: 43.241 ng
RT: 9.424 min Scan# 1078
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 77 Resp: 88243

Ion	Ratio	Lower	Upper
77	100		
123	39.5	31.0	46.6
65	15.9	12.7	19.1

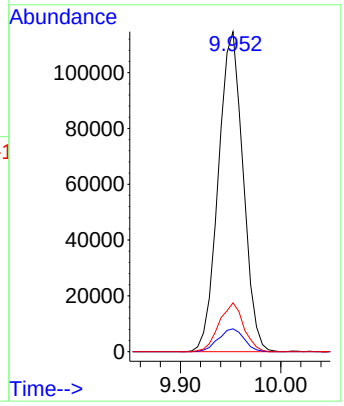




#25
Isophorone
Concen: 43.526 ng
RT: 9.952 min Scan# 11
Delta R.T. -0.014 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 82 Resp: 19596

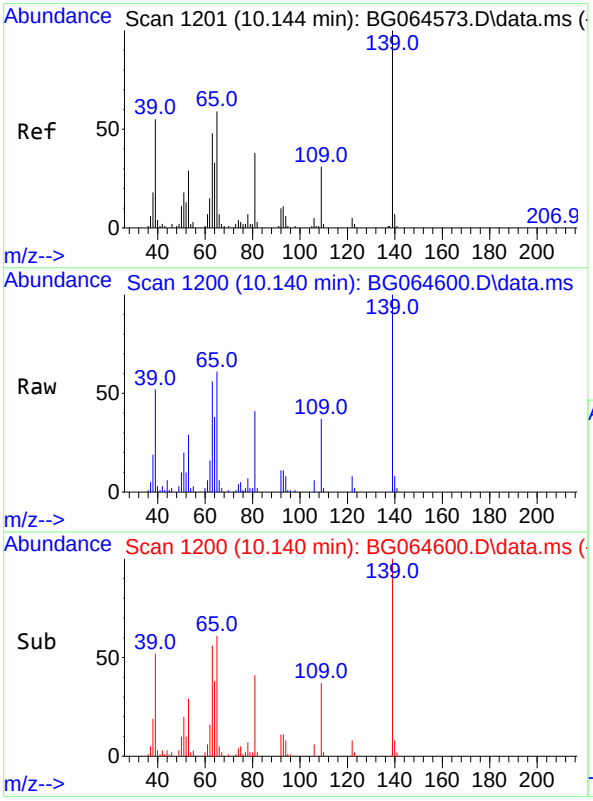
Ion	Ratio	Lower	Upper
82	100		
95	7.2	6.1	9.1
138	15.2	13.0	19.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

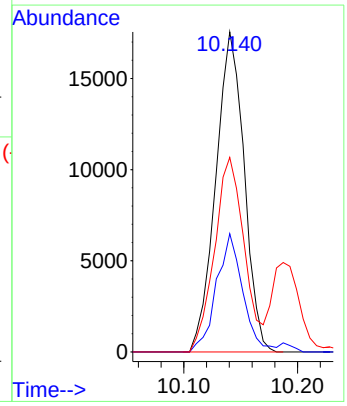
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

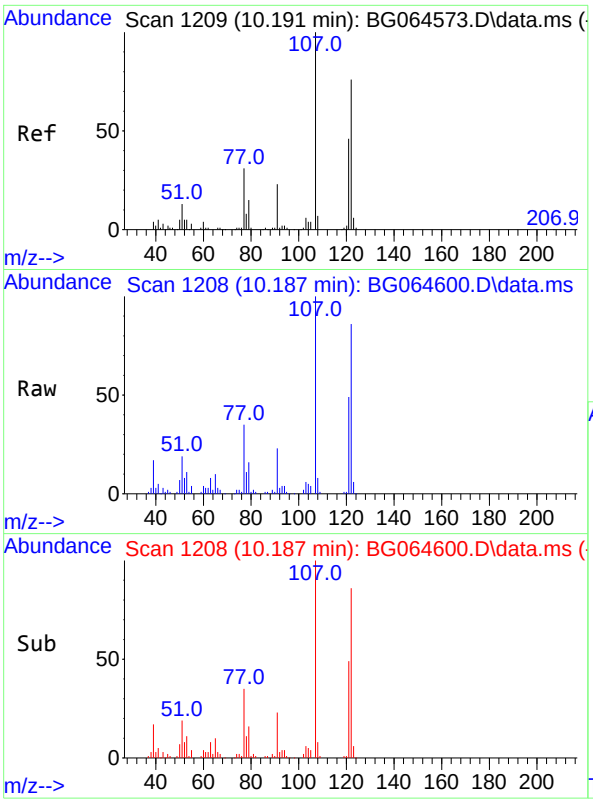


#26
2-Nitrophenol
Concen: 39.240 ng
RT: 10.140 min Scan# 1200
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:139 Resp: 30416

Ion	Ratio	Lower	Upper
139	100		
109	37.0	24.6	37.0
65	60.8	47.5	71.3

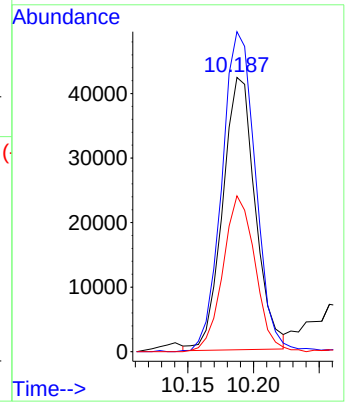




#27
2,4-Dimethylphenol
Concen: 42.606 ng
RT: 10.187 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:122 Resp: 7278

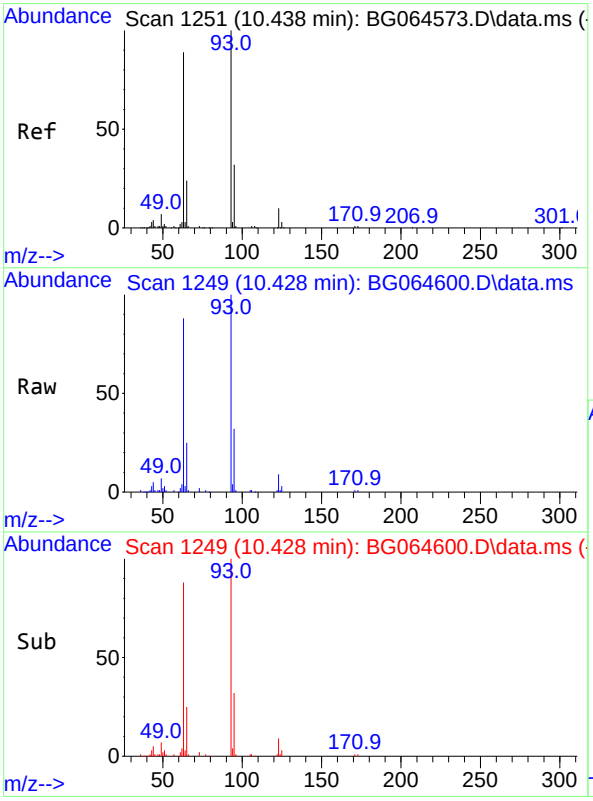
Ion	Ratio	Lower	Upper
122	100		
107	116.7	103.0	154.4
121	56.8	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

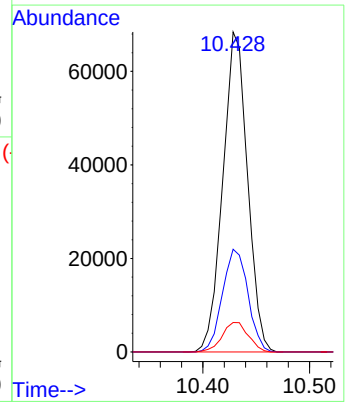
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

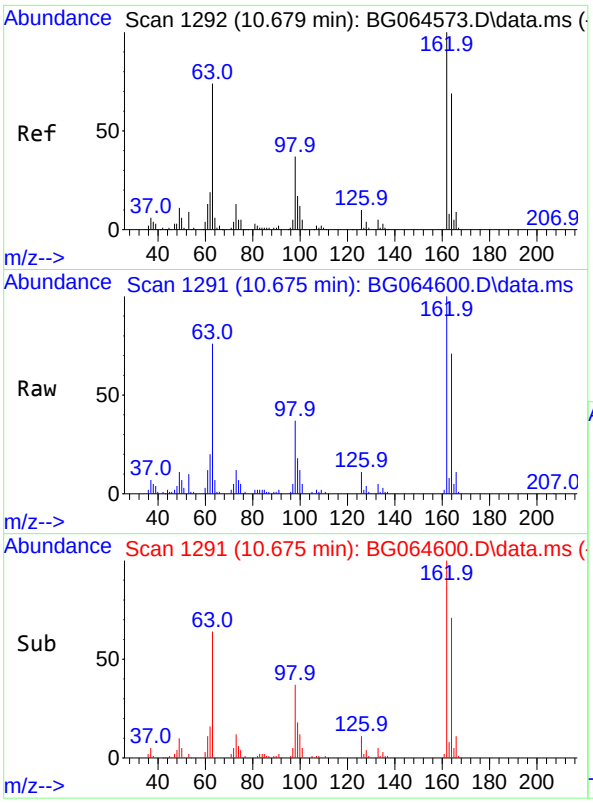


#28
bis(2-Chloroethoxy)methane
Concen: 42.920 ng
RT: 10.428 min Scan# 1249
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 93 Resp: 110021

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.4	38.2
123	9.2	8.4	12.6

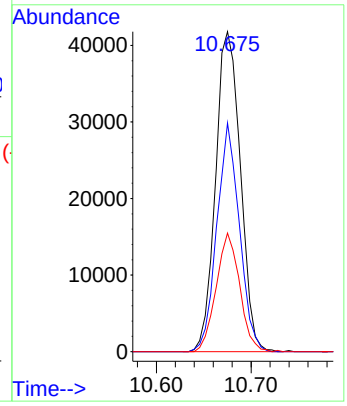




#29
2,4-Dichlorophenol
Concen: 42.166 ng
RT: 10.675 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:162 Resp: 7599

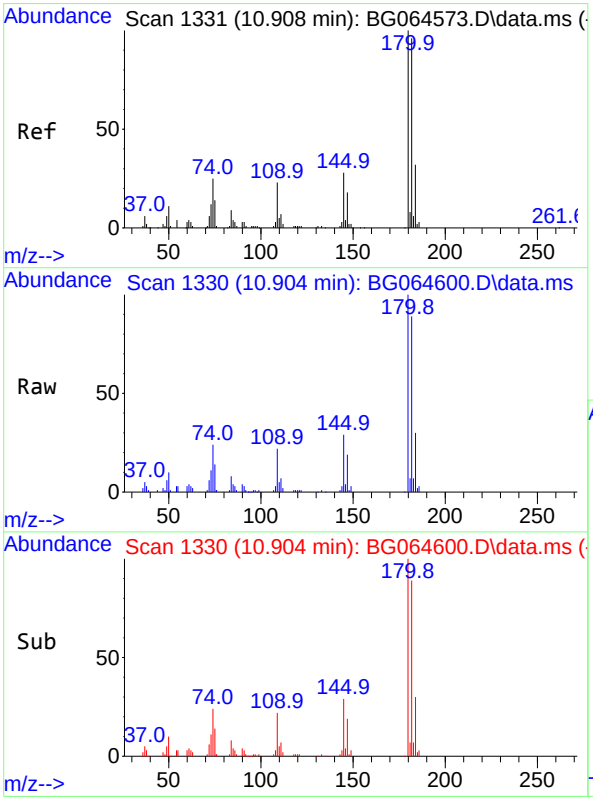
Ion	Ratio	Lower	Upper
162	100		
164	71.4	48.7	88.7
98	37.1	16.9	56.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

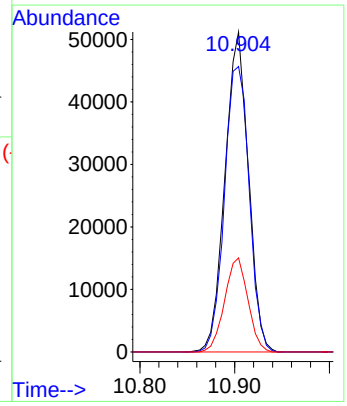
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

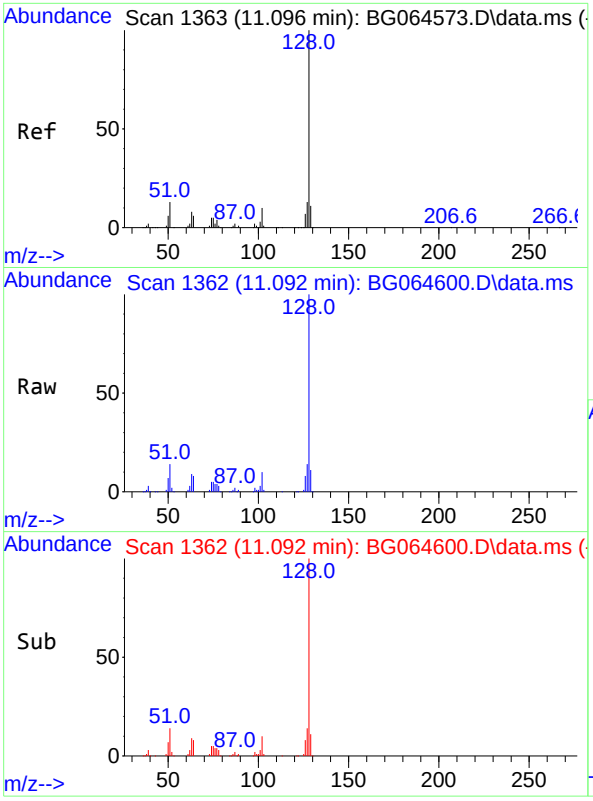


#30
1,2,4-Trichlorobenzene
Concen: 42.989 ng
RT: 10.904 min Scan# 1330
Delta R.T. -0.002 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:180 Resp: 88031

Ion	Ratio	Lower	Upper
180	100		
182	89.2	76.9	115.3
145	29.4	22.1	33.1

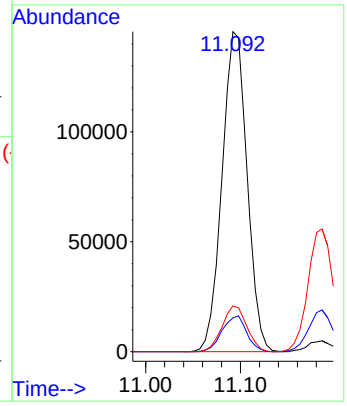




#31
Naphthalene
Concen: 42.747 ng
RT: 11.092 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:128 Resp: 26708

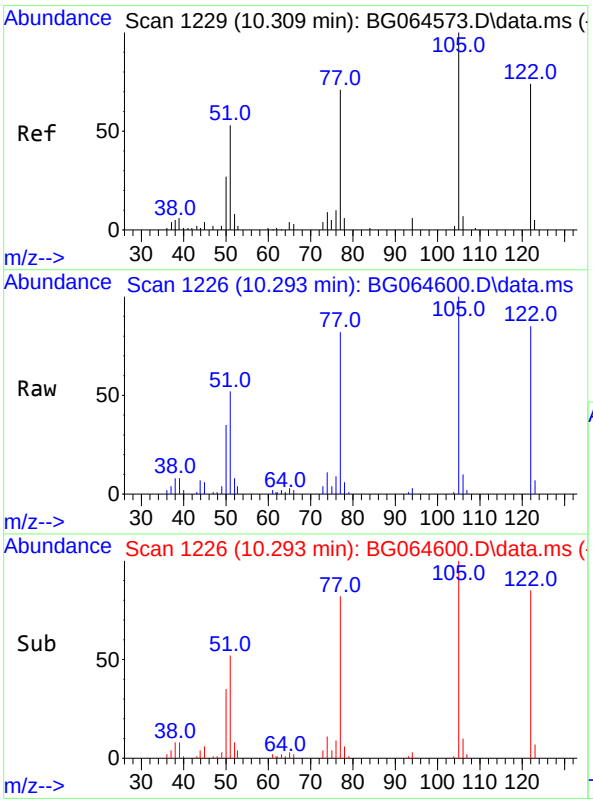
Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	14.3	10.6	15.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

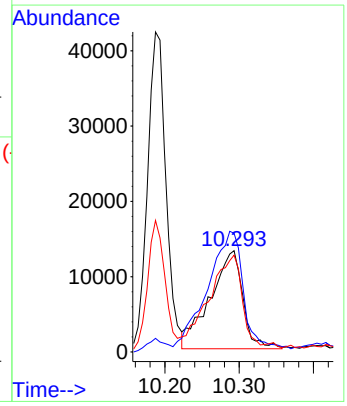
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

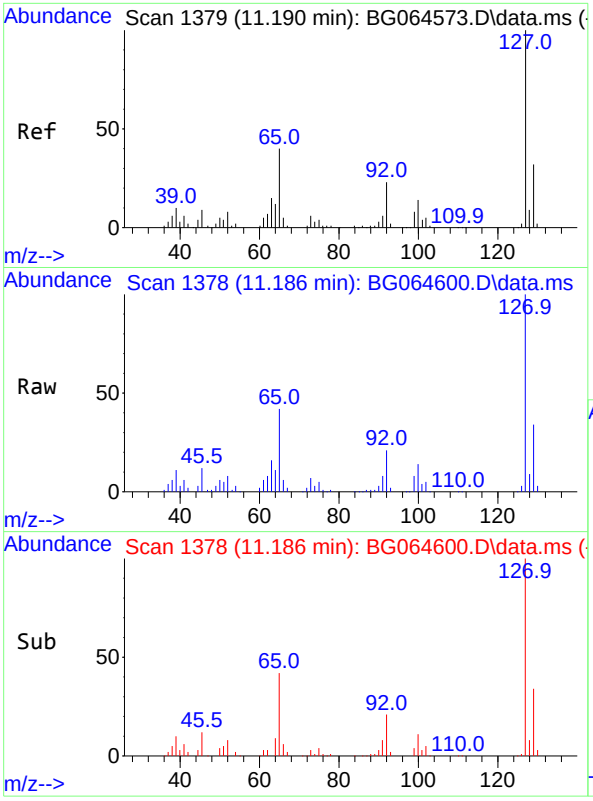


#32
Benzoic acid
Concen: 34.725 ng m
RT: 10.293 min Scan# 1226
Delta R.T. -0.049 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:122 Resp: 40002

Ion	Ratio	Lower	Upper
122	100		
105	117.2	104.2	144.2
77	95.5	70.2	110.2

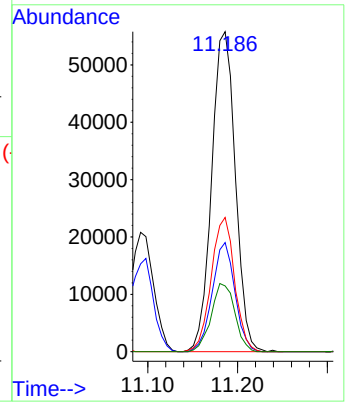




#33
4-Chloroaniline
Concen: 42.020 ng
RT: 11.186 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

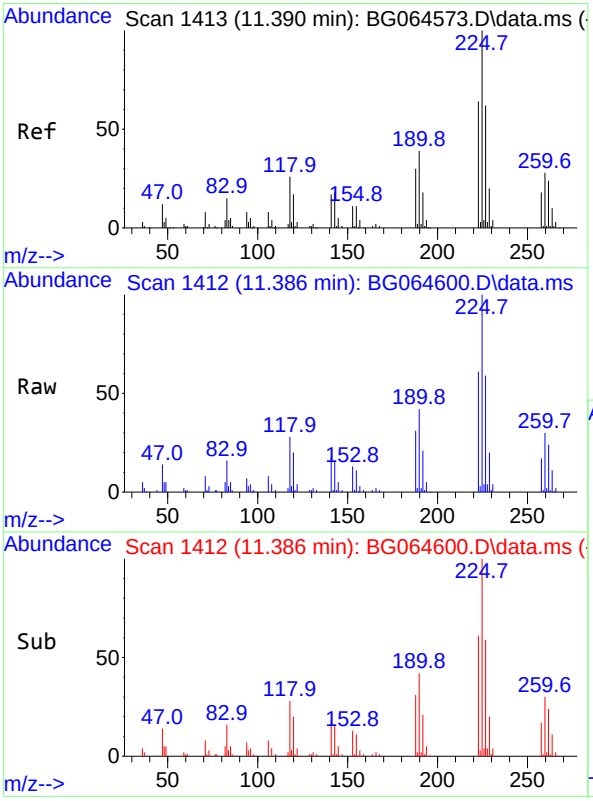
Tgt Ion:127 Resp: 10204

Ion	Ratio	Lower	Upper
127	100		
129	34.1	25.5	38.3
65	42.0	32.2	48.4
92	20.5	18.2	27.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

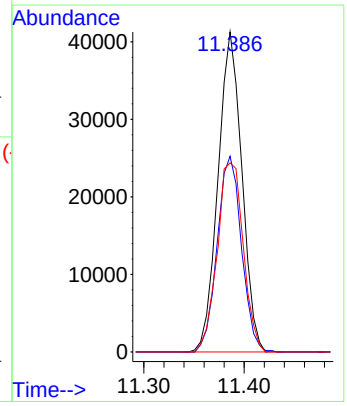
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

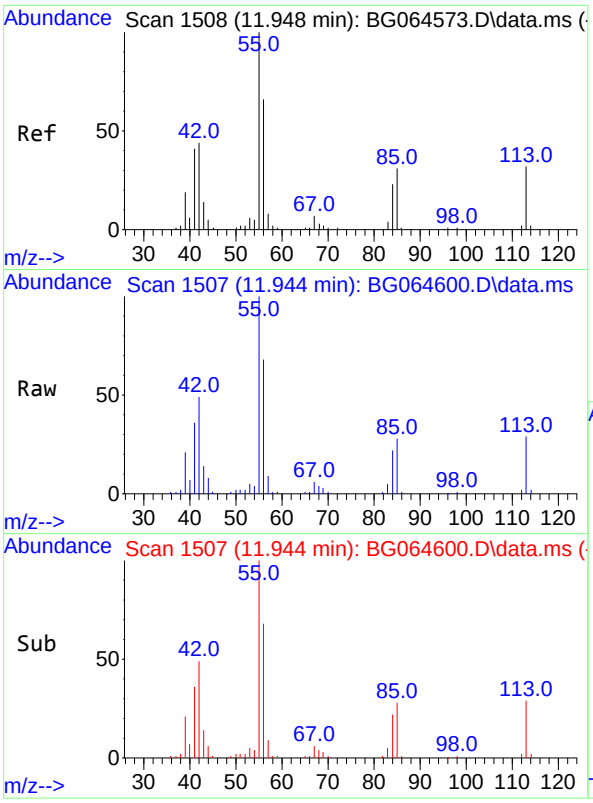


#34
Hexachlorobutadiene
Concen: 42.430 ng
RT: 11.386 min Scan# 1412
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:225 Resp: 67950

Ion	Ratio	Lower	Upper
225	100		
223	64.2	48.8	73.2
227	62.6	49.5	74.3

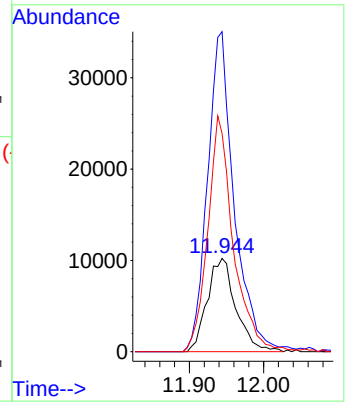




#35
Caprolactam
Concen: 39.664 ng
RT: 11.944 min Scan# 1
Delta R.T. -0.031 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:113 Resp: 2741

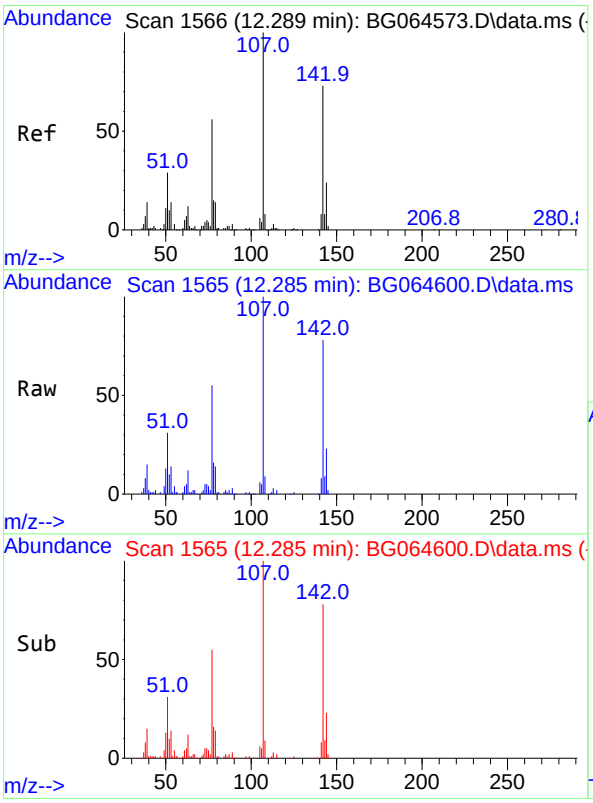
Ion	Ratio	Lower	Upper
113	100		
55	342.8	290.1	330.1#
56	233.7	183.8	223.8#



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

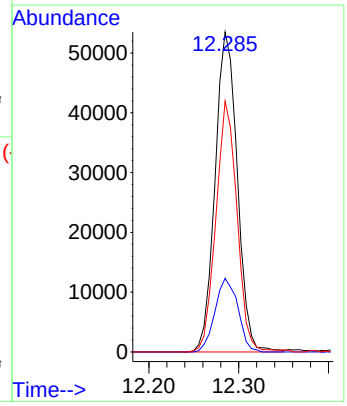
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

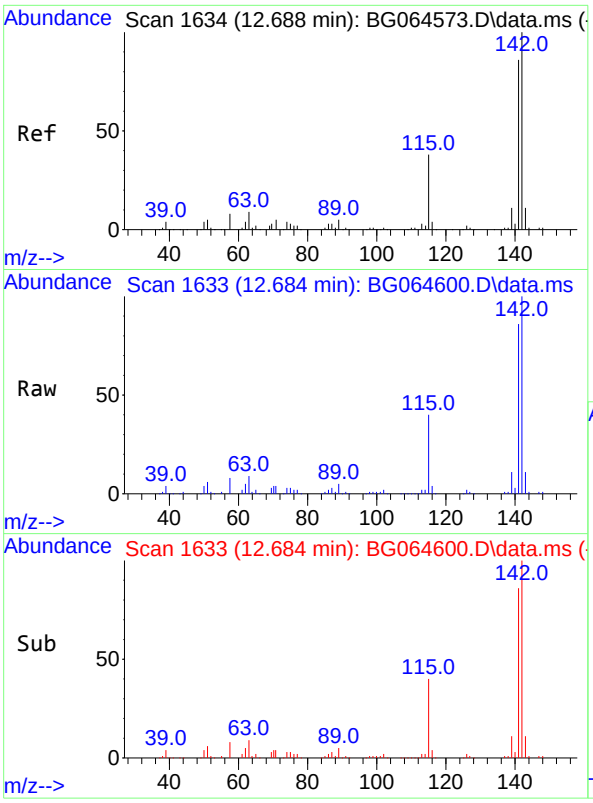


#36
4-Chloro-3-methylphenol
Concen: 42.414 ng
RT: 12.285 min Scan# 1565
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:107 Resp: 91886

Ion	Ratio	Lower	Upper
107	100		
144	23.0	19.1	28.7
142	78.3	58.6	87.8

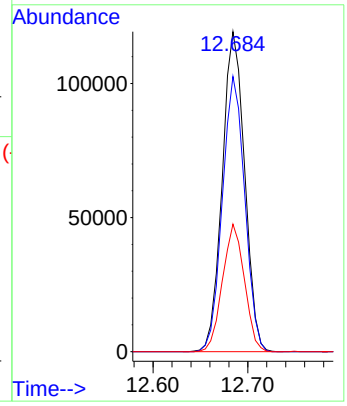




#37
2-Methylnaphthalene
Concen: 42.698 ng
RT: 12.684 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:142 Resp: 19587

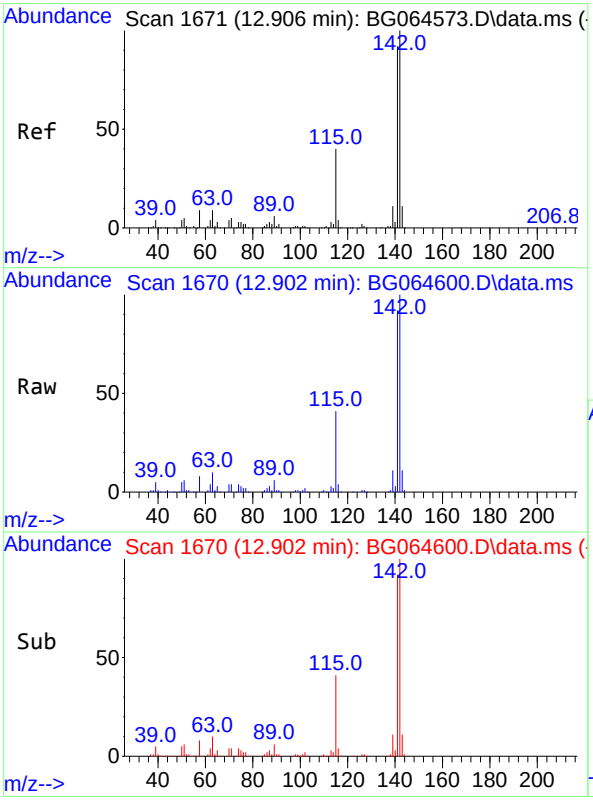
Ion	Ratio	Lower	Upper
142	100		
141	86.0	68.9	103.3
115	39.9	30.6	46.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

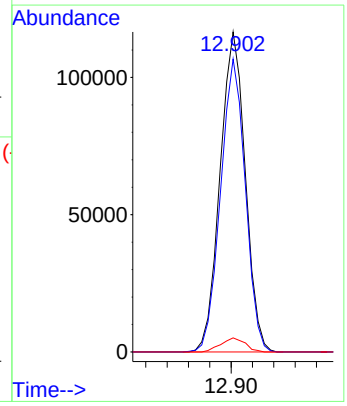
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

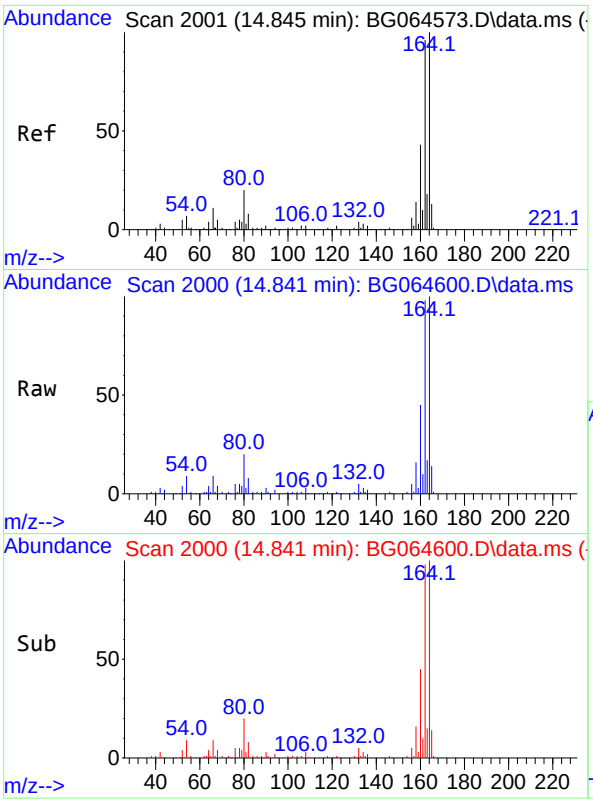


#38
1-Methylnaphthalene
Concen: 42.294 ng
RT: 12.902 min Scan# 1670
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:142 Resp: 190905

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.3	109.9
116	4.4	3.1	4.7

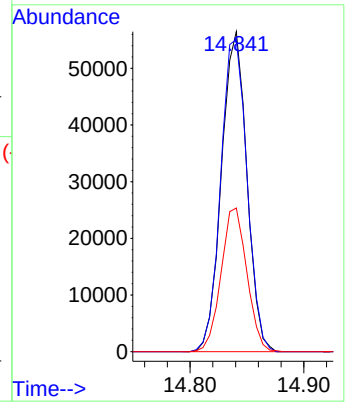




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.841 min Scan# 2
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:164 Resp: 8744

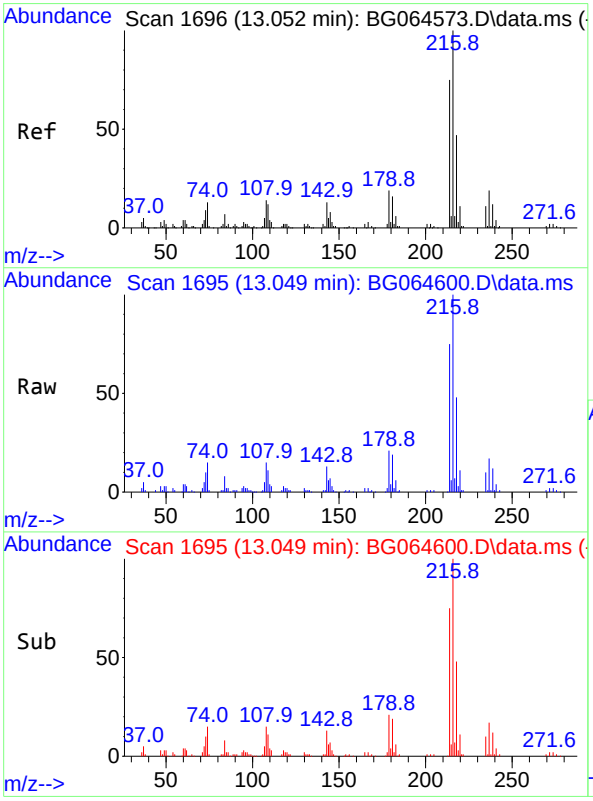
Ion	Ratio	Lower	Upper
164	100		
162	97.5	77.0	115.6
160	44.9	34.4	51.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

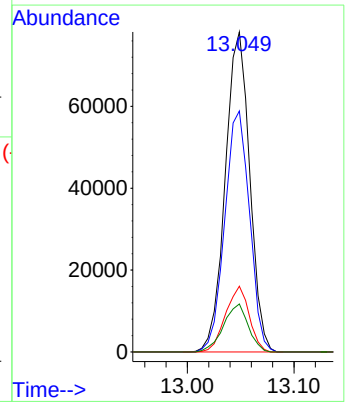
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

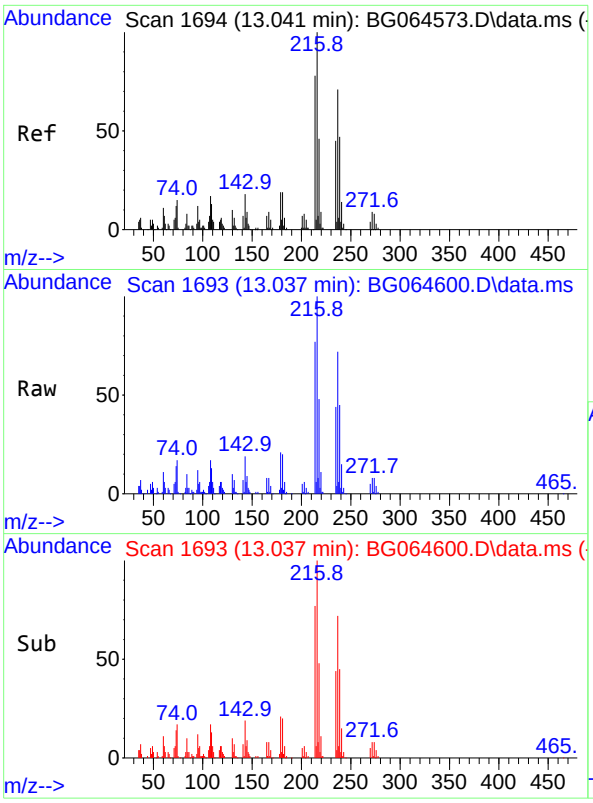


#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.409 ng
RT: 13.049 min Scan# 1695
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:216 Resp: 124461

Ion	Ratio	Lower	Upper
216	100		
214	76.3	61.4	92.2
179	19.9	15.4	23.0
108	15.2	11.8	17.6

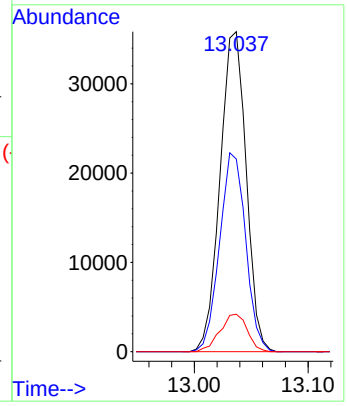




#41
Hexachlorocyclopentadiene
Concen: 43.286 ng
RT: 13.037 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:237 Resp: 5717

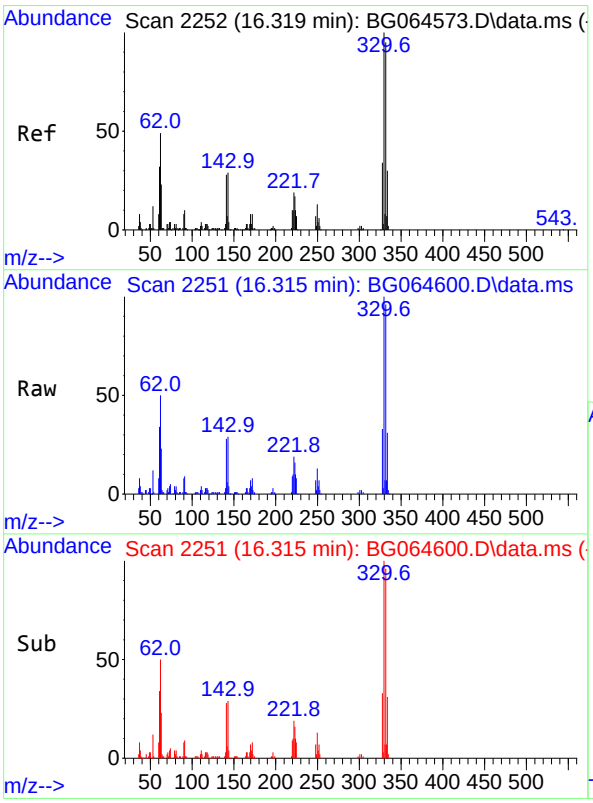
Ion	Ratio	Lower	Upper
237	100		
235	60.2	44.1	84.1
272	11.7	0.0	32.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

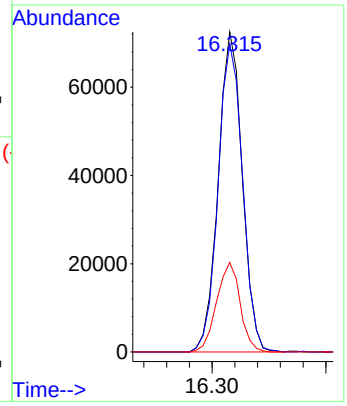
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

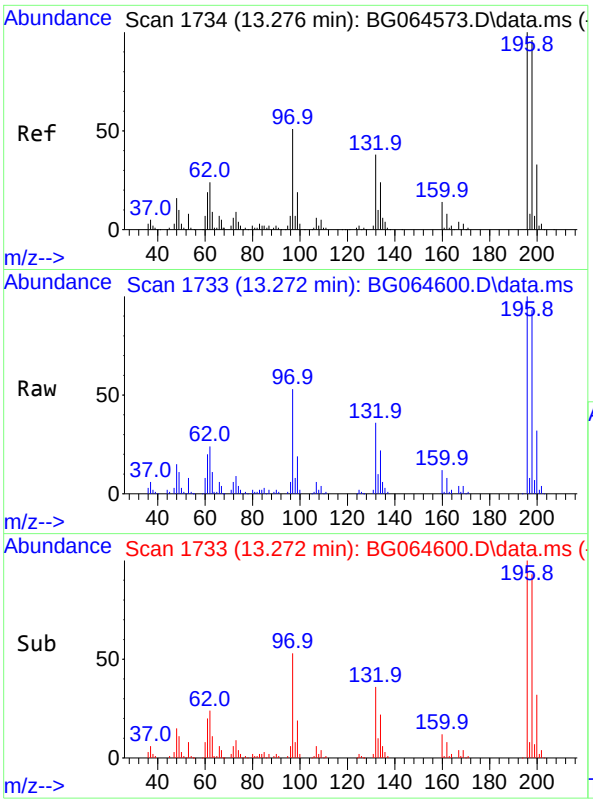


#42
2,4,6-Tribromophenol
Concen: 84.394 ng
RT: 16.315 min Scan# 2251
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:330 Resp: 106515

Ion	Ratio	Lower	Upper
330	100		
332	97.8	78.0	117.0
141	27.3	21.8	32.6

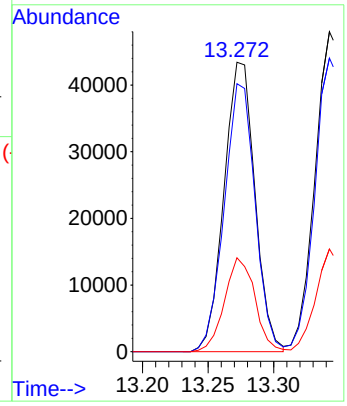




#43
2,4,6-Trichlorophenol
Concen: 42.468 ng
RT: 13.272 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:196 Resp: 7129

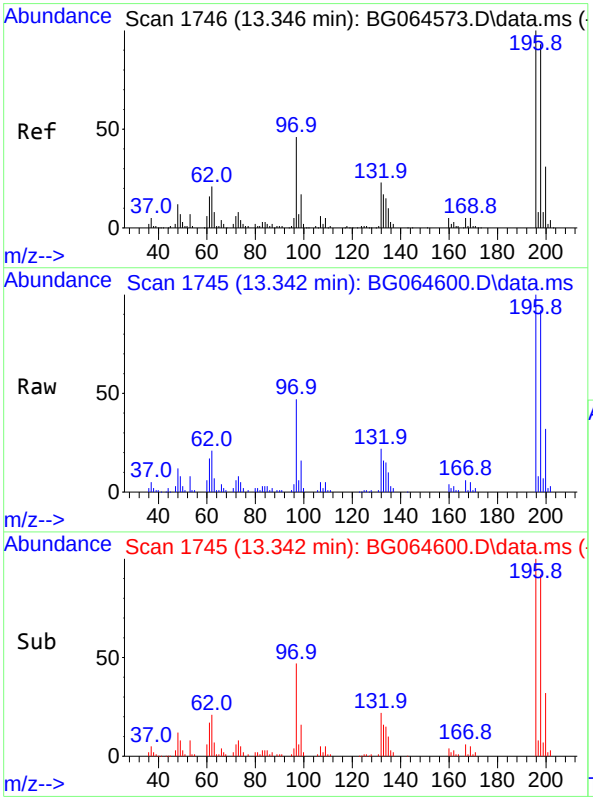
Ion	Ratio	Lower	Upper
196	100		
198	92.6	76.6	115.0
200	32.5	26.0	39.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

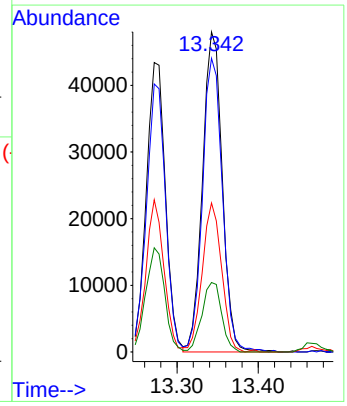
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

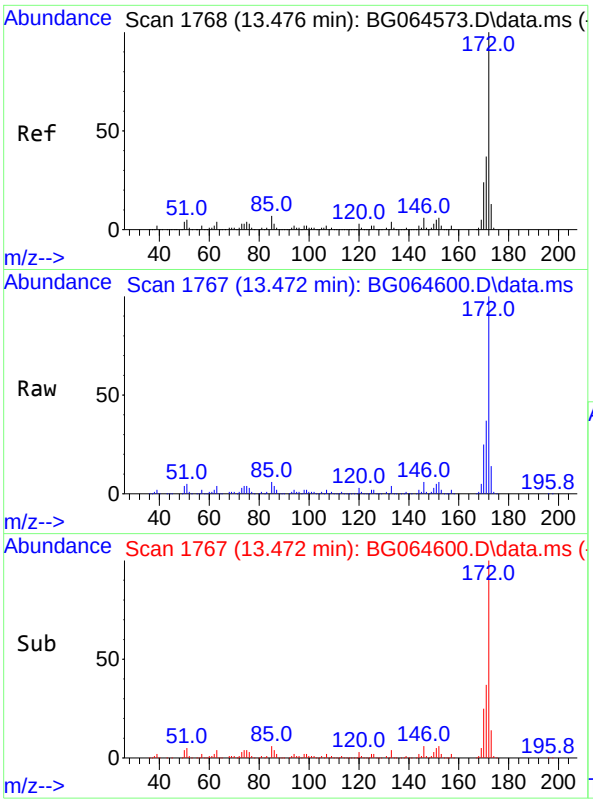


#44
2,4,5-Trichlorophenol
Concen: 41.754 ng
RT: 13.342 min Scan# 1745
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:196 Resp: 80887

Ion	Ratio	Lower	Upper
196	100		
198	91.7	74.2	111.4
97	46.5	37.0	55.6
132	21.7	18.5	27.7

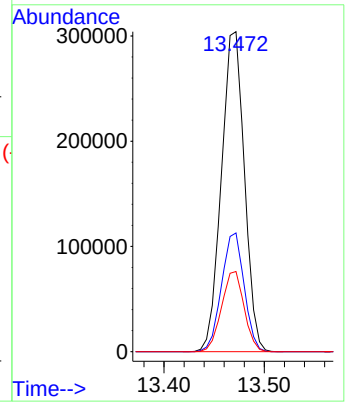




#45
2-Fluorobiphenyl
Concen: 83.896 ng
RT: 13.472 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:172 Resp: 48400

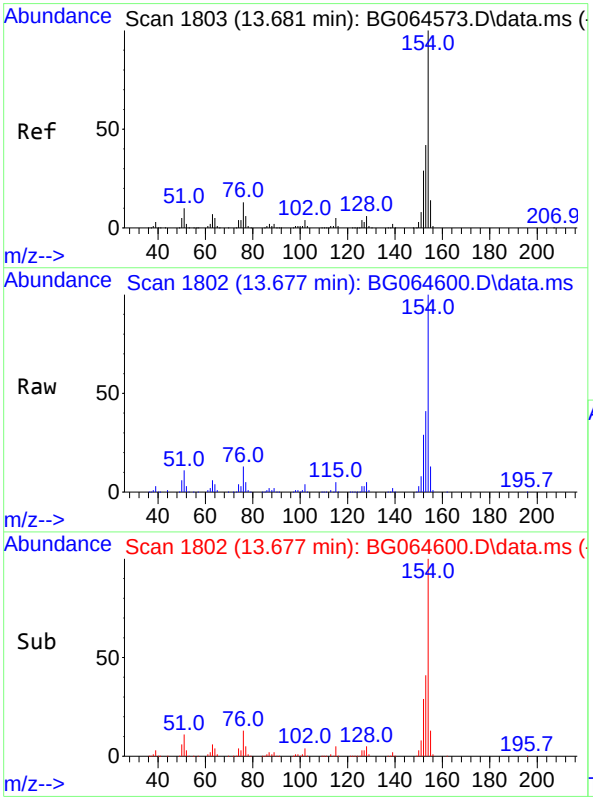
Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.4	44.0
170	25.1	19.1	28.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

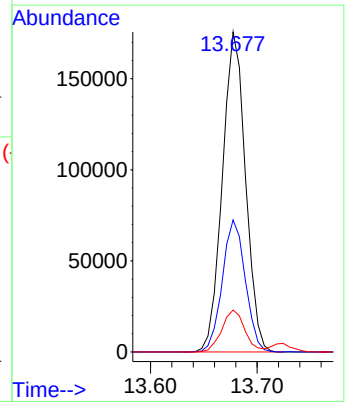
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

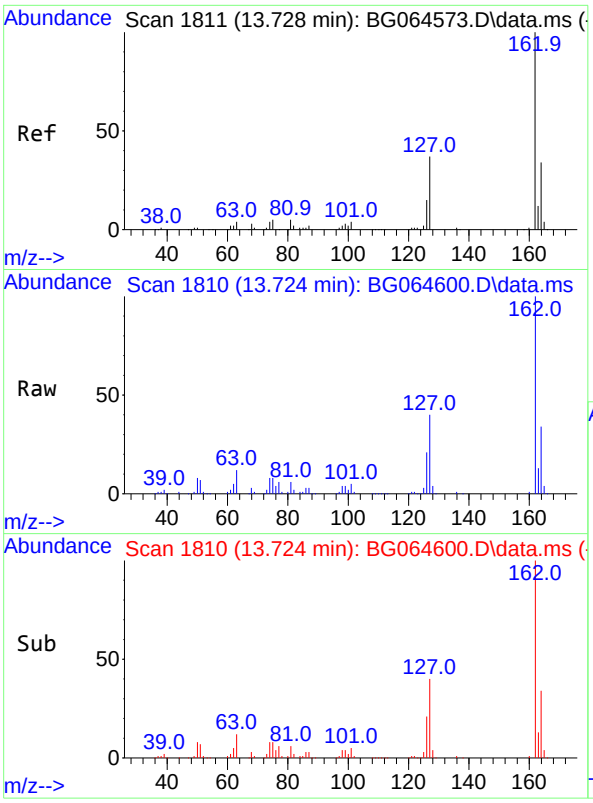


#46
1,1'-Biphenyl
Concen: 42.521 ng
RT: 13.677 min Scan# 1802
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:154 Resp: 264348

Ion	Ratio	Lower	Upper
154	100		
153	41.2	22.4	62.4
76	13.1	0.0	33.5

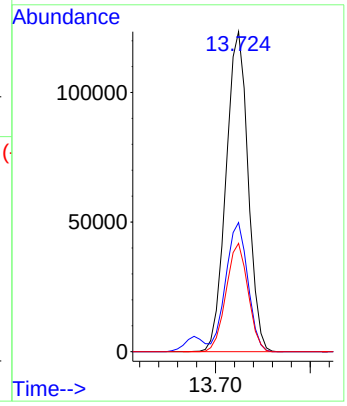




#47
2-Chloronaphthalene
Concen: 42.561 ng
RT: 13.724 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:162 Resp: 19972

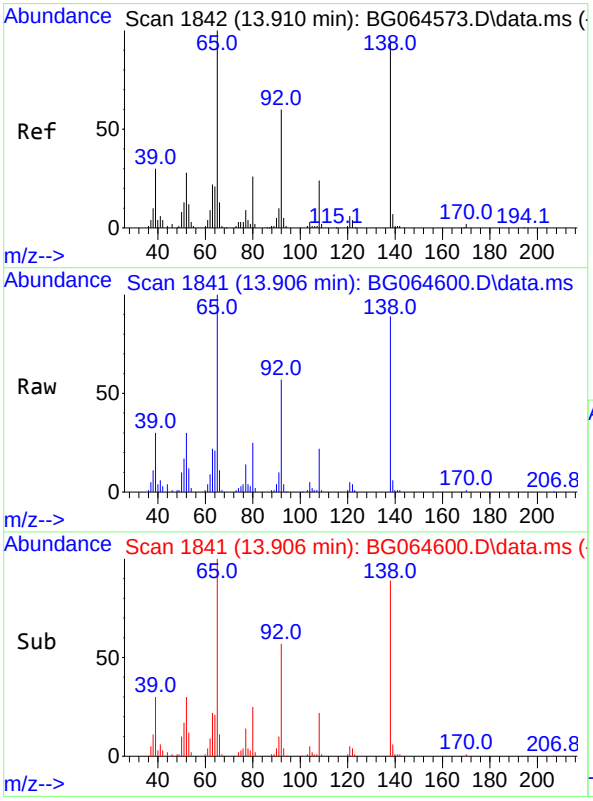
Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.2	48.2
164	33.8	27.5	41.3



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

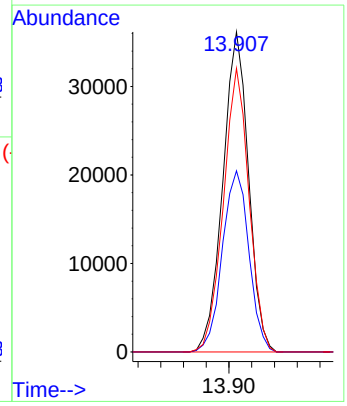
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

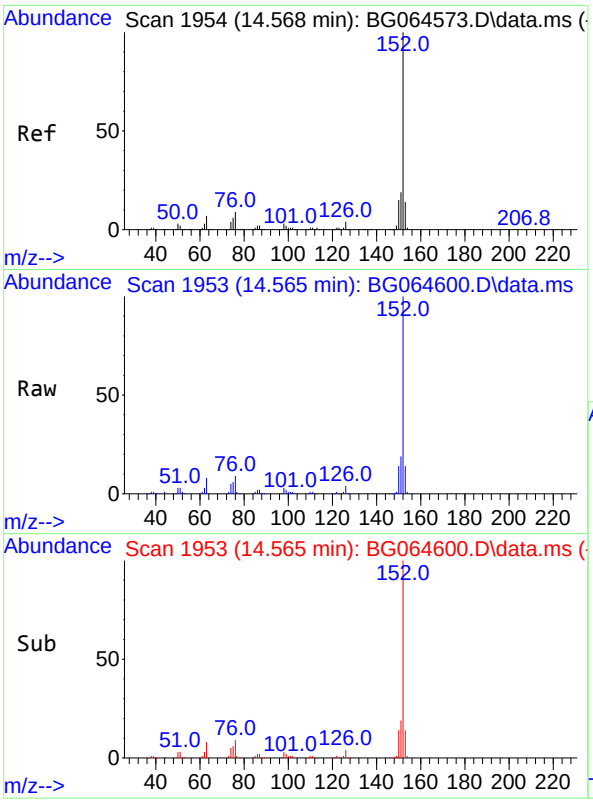


#48
2-Nitroaniline
Concen: 36.830 ng
RT: 13.906 min Scan# 1841
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion: 65 Resp: 56752

Ion	Ratio	Lower	Upper
65	100		
92	56.6	48.3	72.5
138	88.6	74.9	112.3

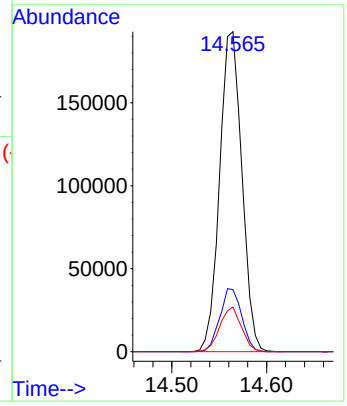




#49
Acenaphthylene
Concen: 42.492 ng
RT: 14.565 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:152 Resp: 31451

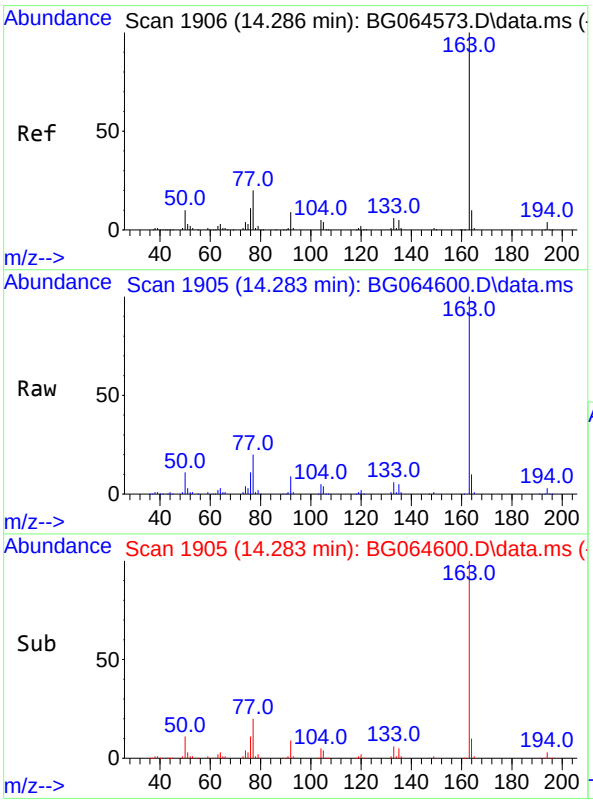
Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.4	23.2
153	13.9	11.0	16.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

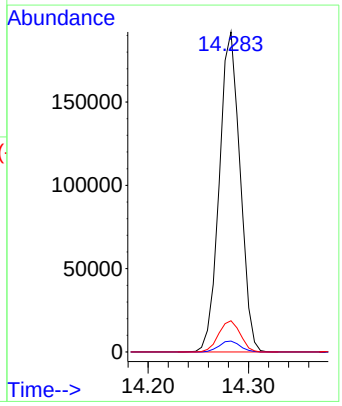
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

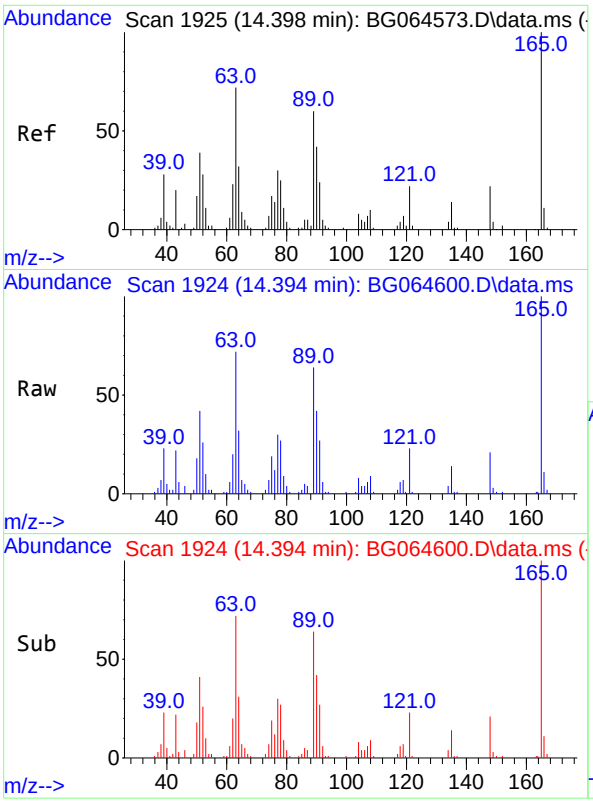


#50
Dimethylphthalate
Concen: 41.234 ng
RT: 14.283 min Scan# 1905
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:163 Resp: 275910

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.8	4.2
164	9.8	7.7	11.5

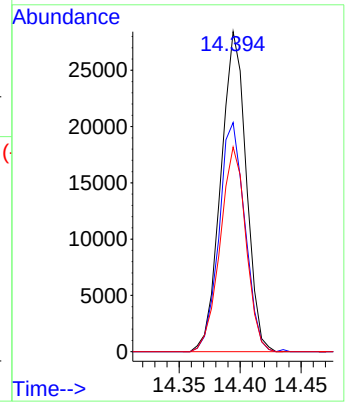




#51
2,6-Dinitrotoluene
Concen: 37.929 ng
RT: 14.394 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:165 Resp: 4108

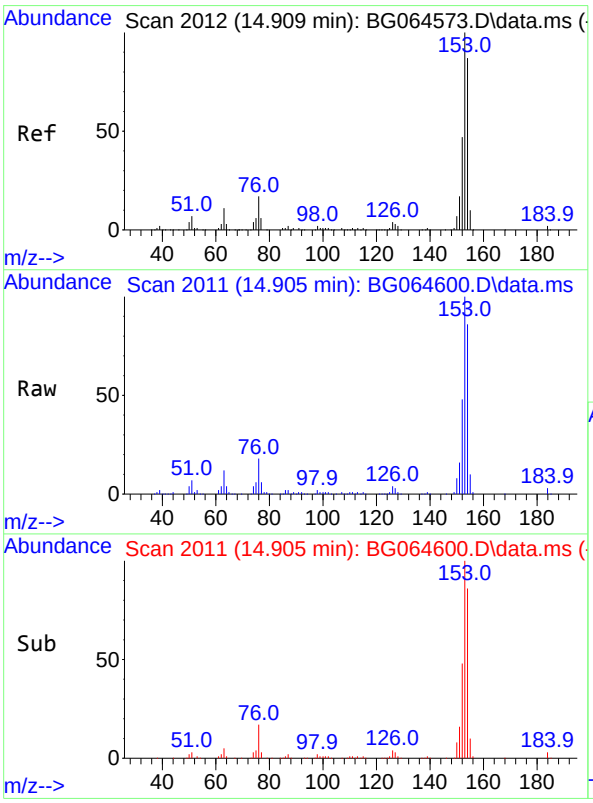
Ion	Ratio	Lower	Upper
165	100		
63	71.6	57.4	86.0
89	64.0	47.8	71.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

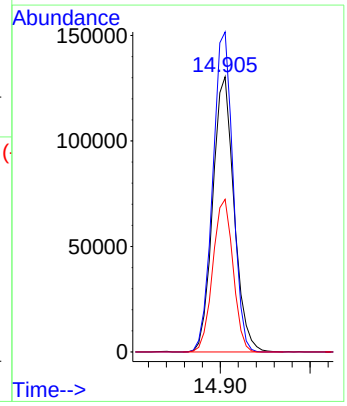
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

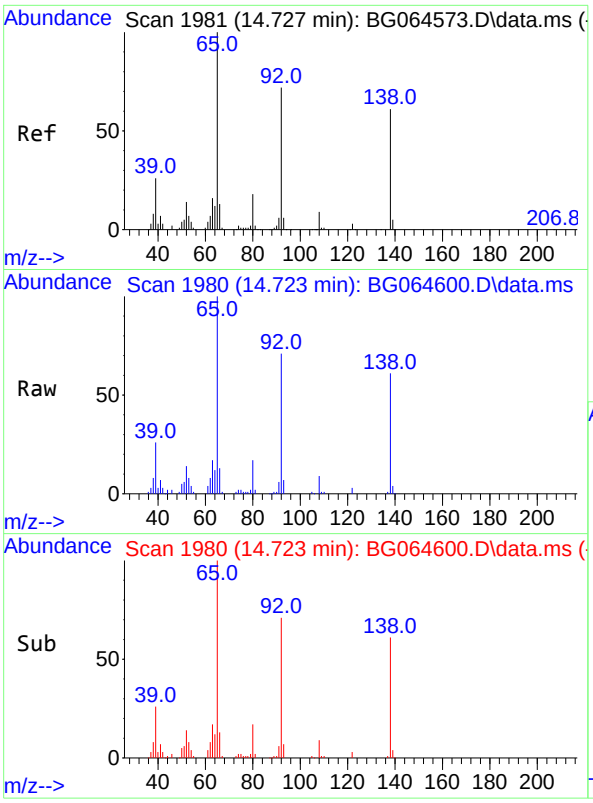


#52
Acenaphthene
Concen: 42.558 ng
RT: 14.905 min Scan# 2011
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:154 Resp: 215218

Ion	Ratio	Lower	Upper
154	100		
153	116.3	92.2	138.4
152	55.5	43.2	64.8

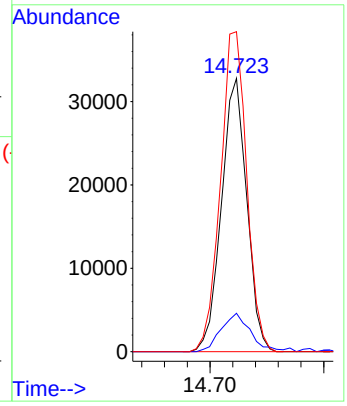




#53
3-Nitroaniline
Concen: 44.086 ng
RT: 14.723 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

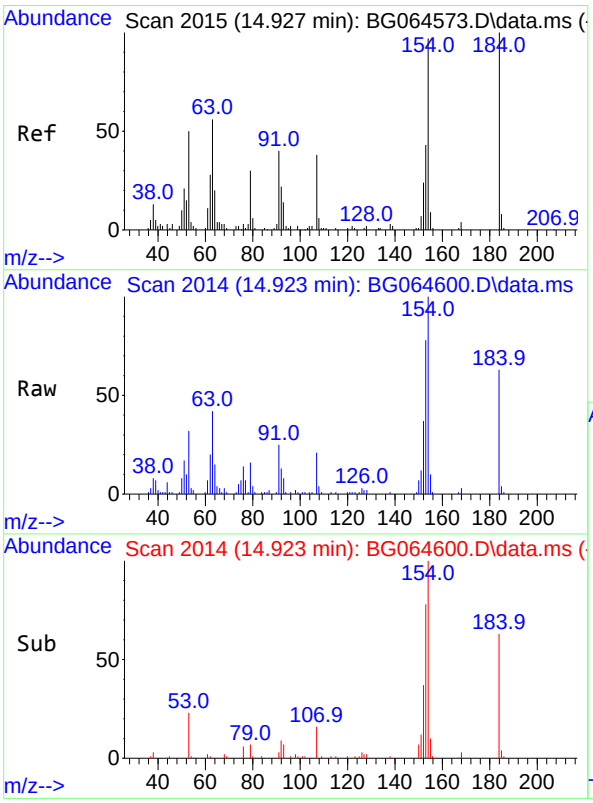
Tgt Ion:138 Resp: 5069

Ion	Ratio	Lower	Upper
138	100		
108	14.1	11.4	17.0
92	117.1	95.3	142.9



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

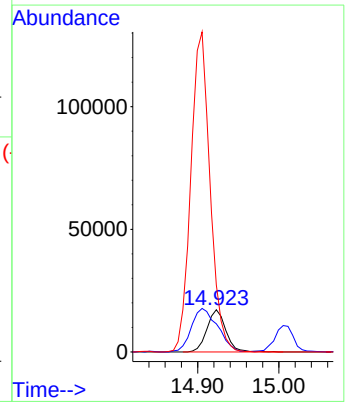
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

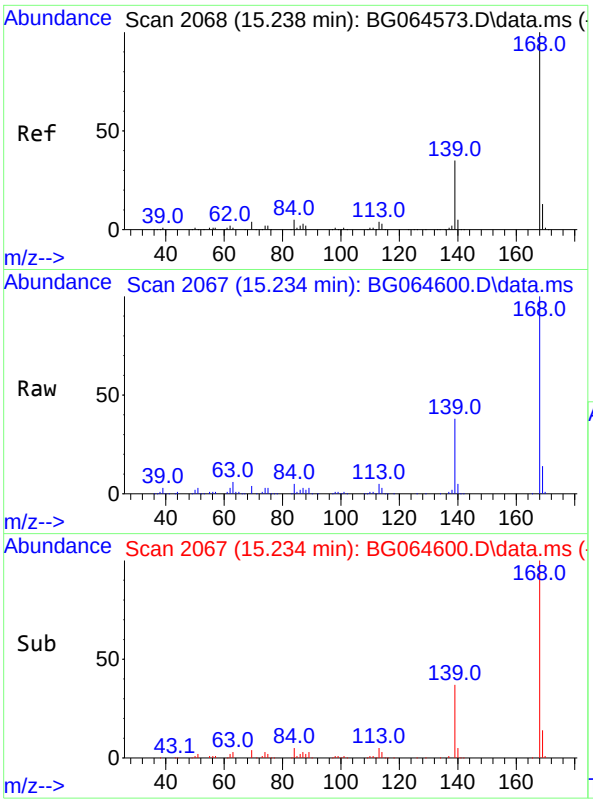


#54
2,4-Dinitrophenol
Concen: 43.496 ng
RT: 14.923 min Scan# 2014
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:184 Resp: 27617

Ion	Ratio	Lower	Upper
184	100		
63	66.5	56.6	85.0
154	158.6	158.6	238.0

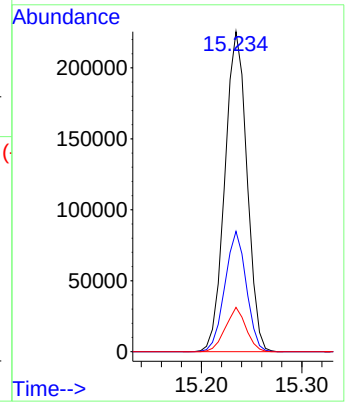




#55
Dibenzofuran
Concen: 42.088 ng
RT: 15.234 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:168 Resp: 34409

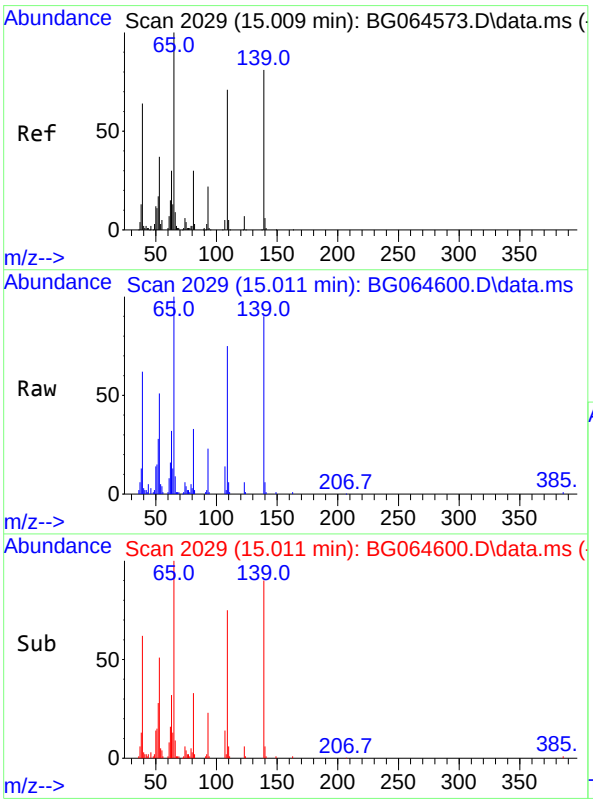
Ion	Ratio	Lower	Upper
168	100		
139	37.6	27.8	41.8
169	13.8	10.3	15.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

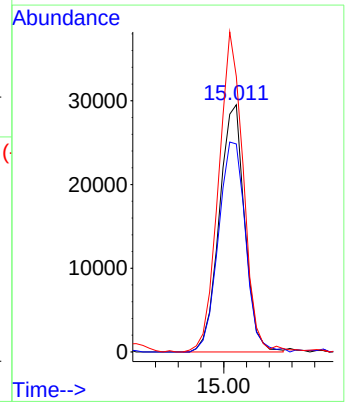
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

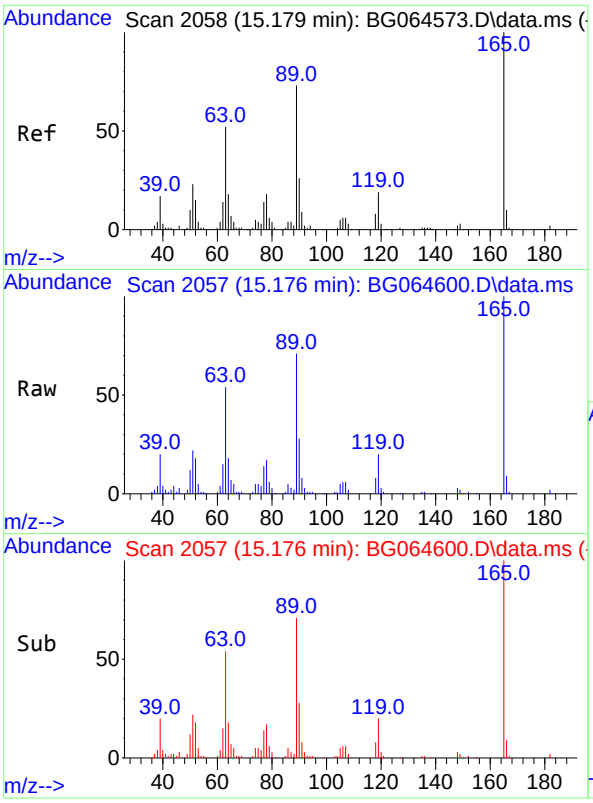


#56
4-Nitrophenol
Concen: 42.870 ng
RT: 15.011 min Scan# 2029
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:139 Resp: 45706

Ion	Ratio	Lower	Upper
139	100		
109	84.2	67.8	107.8
65	111.5	103.7	143.7

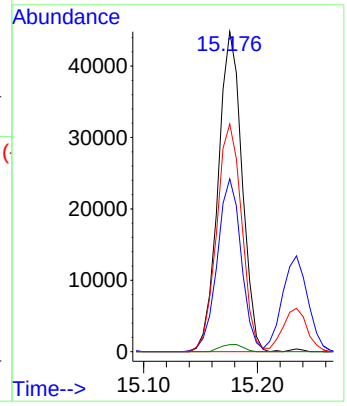




#57
2,4-Dinitrotoluene
Concen: 38.904 ng
RT: 15.176 min Scan# 2
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:165 Resp: 6535

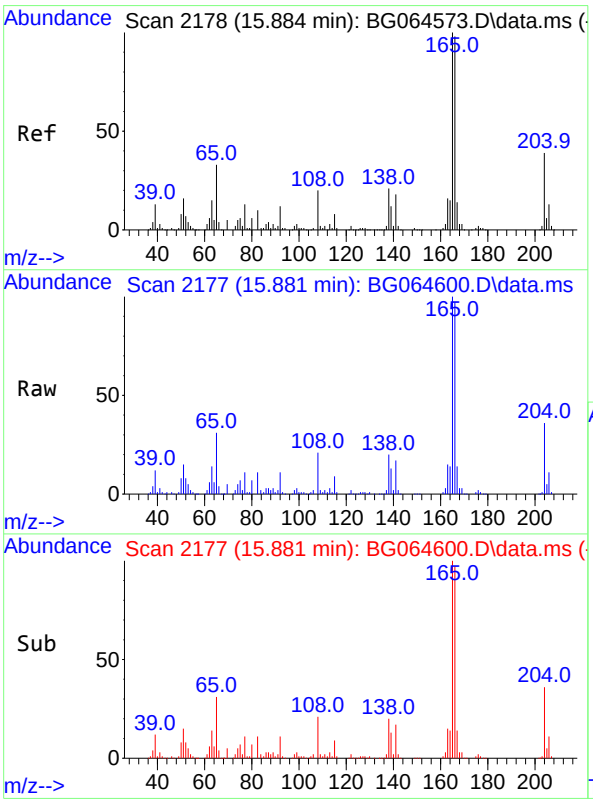
Ion	Ratio	Lower	Upper
165	100		
63	54.0	41.8	62.8
89	71.1	58.1	87.1
182	2.2	1.4	2.0#



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

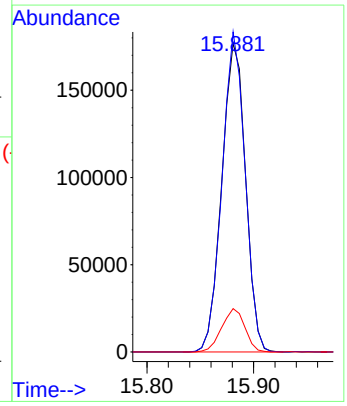
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

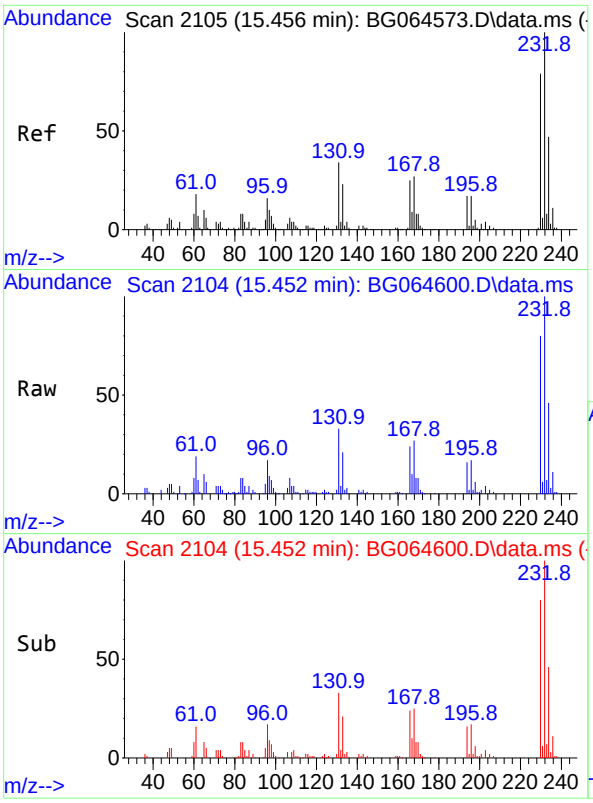


#58
Fluorene
Concen: 42.889 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:166 Resp: 273843

Ion	Ratio	Lower	Upper
166	100		
165	103.6	81.5	122.3
167	14.0	11.4	17.0

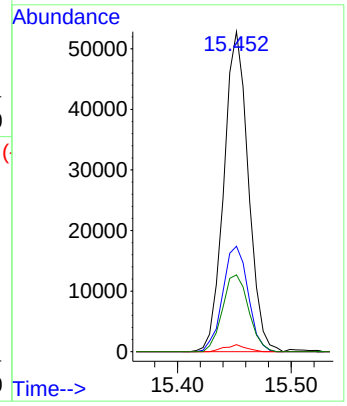




#59
2,3,4,6-Tetrachlorophenol
Concen: 42.494 ng
RT: 15.452 min Scan# 21
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:232 Resp: 7871

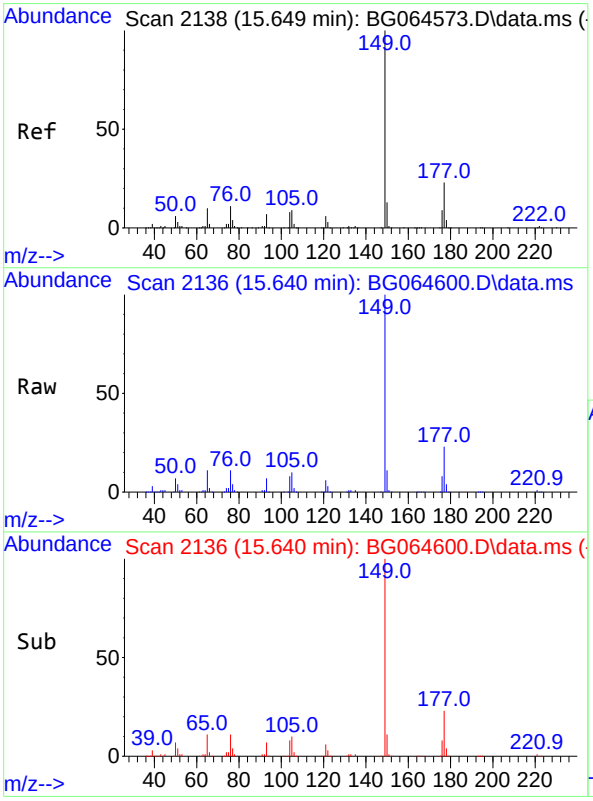
Ion	Ratio	Lower	Upper
232	100		
131	34.2	26.7	40.1
130	1.9	1.6	2.4
166	25.7	20.5	30.7



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

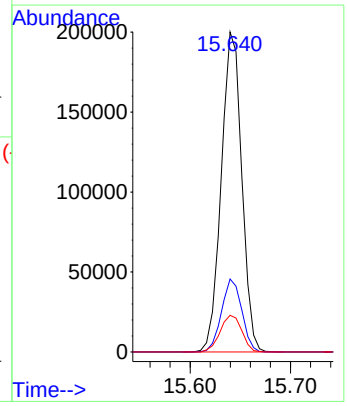
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

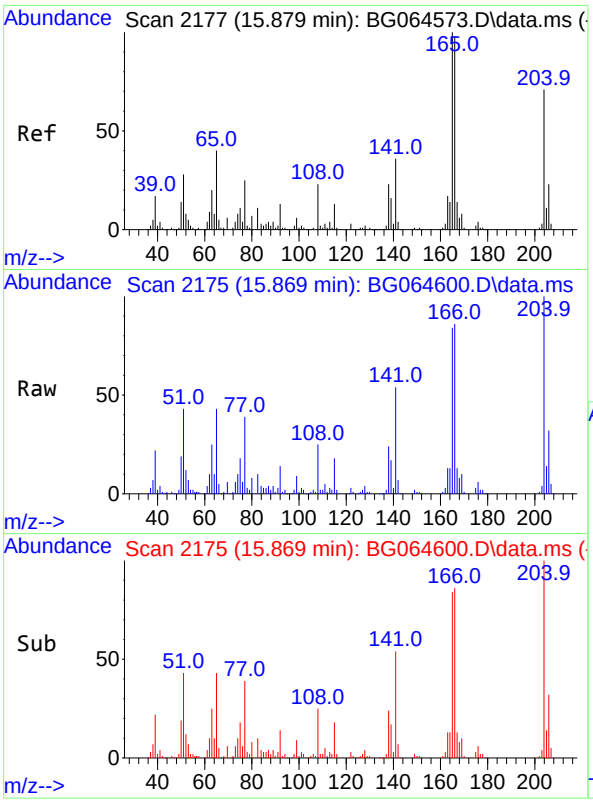


#60
Diethylphthalate
Concen: 41.444 ng
RT: 15.640 min Scan# 2136
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 283156

Ion	Ratio	Lower	Upper
149	100		
177	22.8	18.0	27.0
150	11.5	10.2	15.4

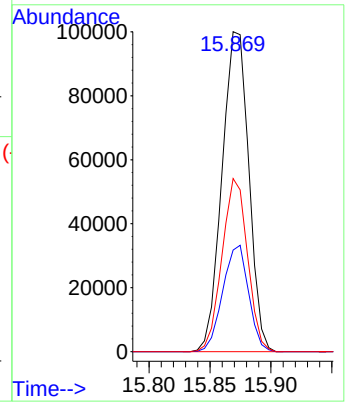




#61
4-Chlorophenyl-phenylether
Concen: 42.673 ng
RT: 15.869 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:204 Resp: 15290

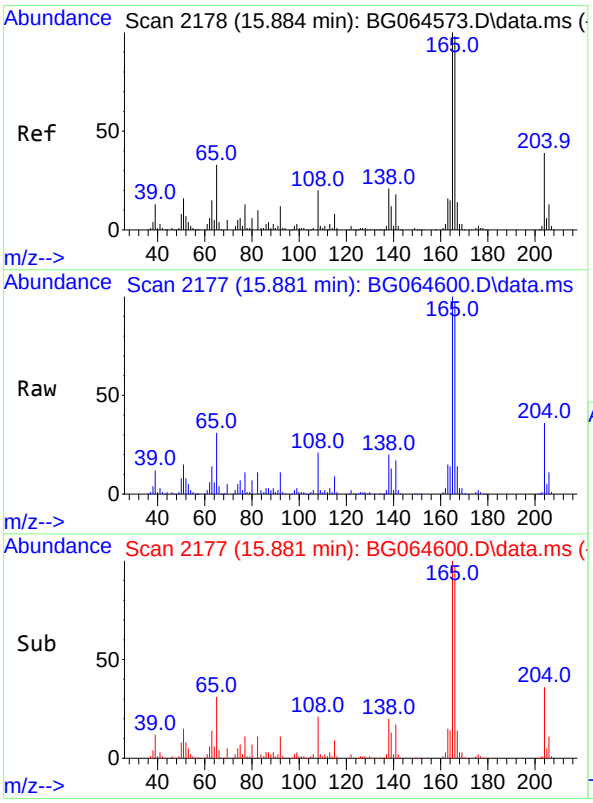
Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.6	38.4
141	54.1	40.6	60.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

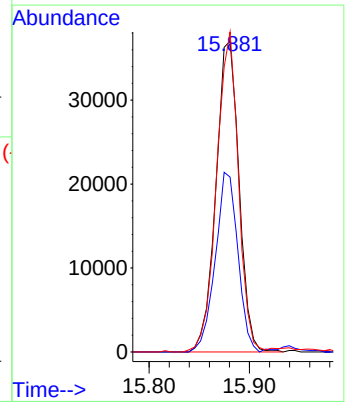
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

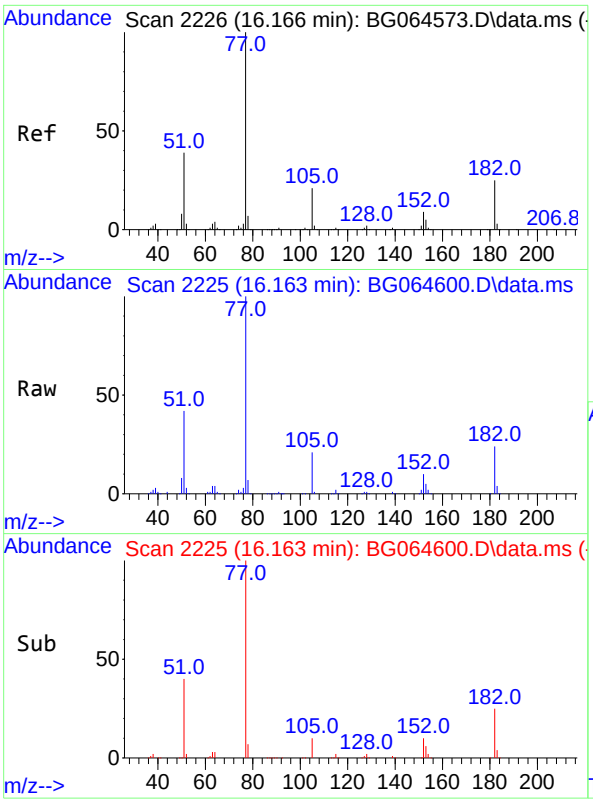


#62
4-Nitroaniline
Concen: 46.150 ng
RT: 15.881 min Scan# 2177
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:138 Resp: 59041

Ion	Ratio	Lower	Upper
138	100		
92	56.2	36.1	76.1
108	102.9	75.6	115.6

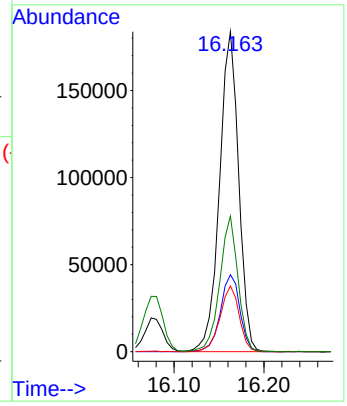




#63
Azobenzene
Concen: 43.410 ng
RT: 16.163 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

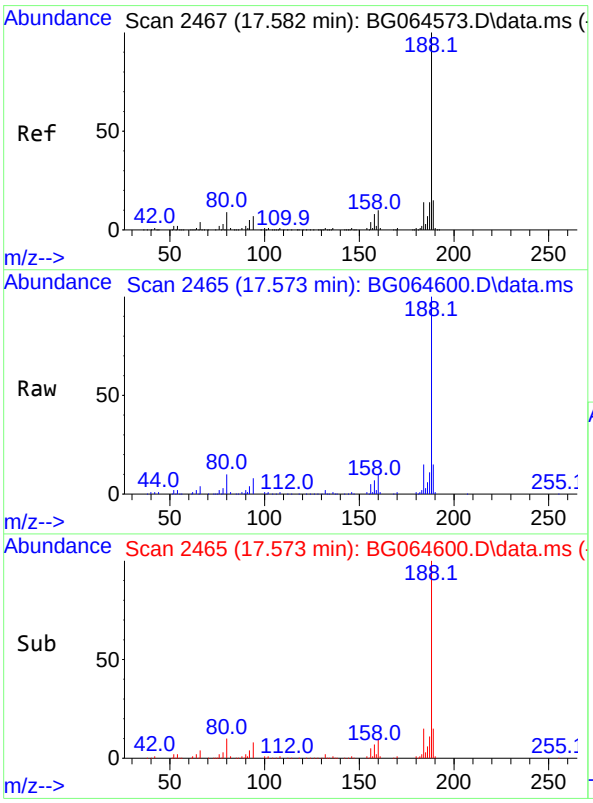
Tgt Ion: 77 Resp: 27212

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.9	44.9
105	20.6	1.3	41.3
51	42.4	19.0	59.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

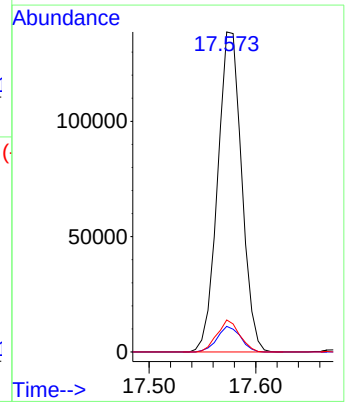
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

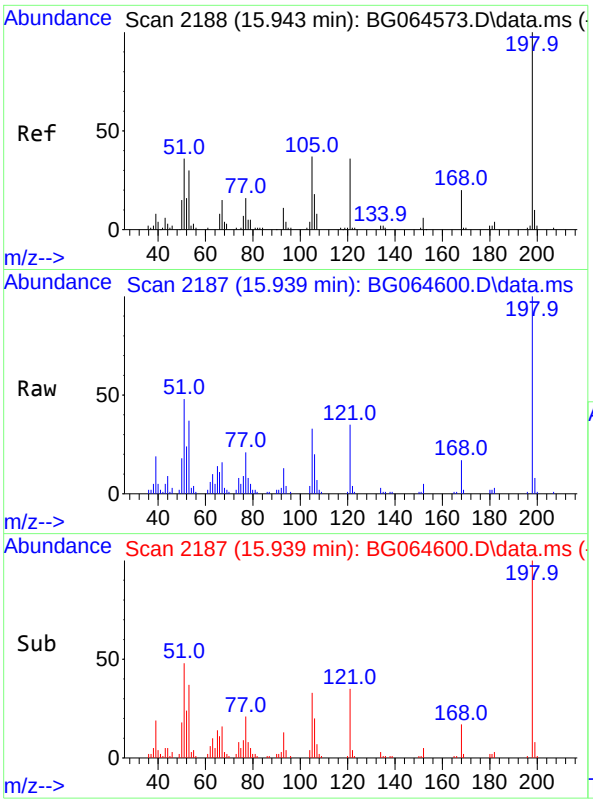


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.573 min Scan# 2465
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:188 Resp: 216707

Ion	Ratio	Lower	Upper
188	100		
94	8.0	5.7	8.5
80	10.0	6.8	10.2

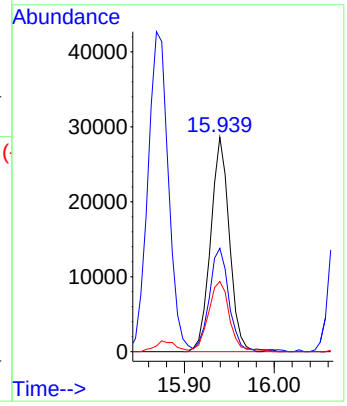




#65
4,6-Dinitro-2-methylphenol
Concen: 44.112 ng
RT: 15.939 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:198 Resp: 4159

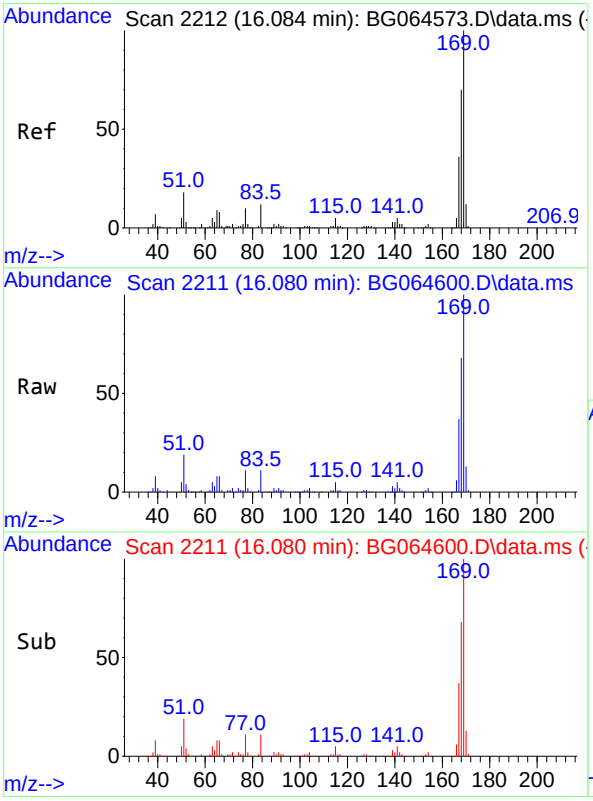
Ion	Ratio	Lower	Upper
198	100		
51	48.2	24.7	64.7
105	32.8	18.0	58.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

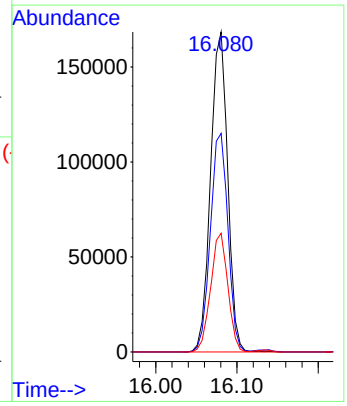
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

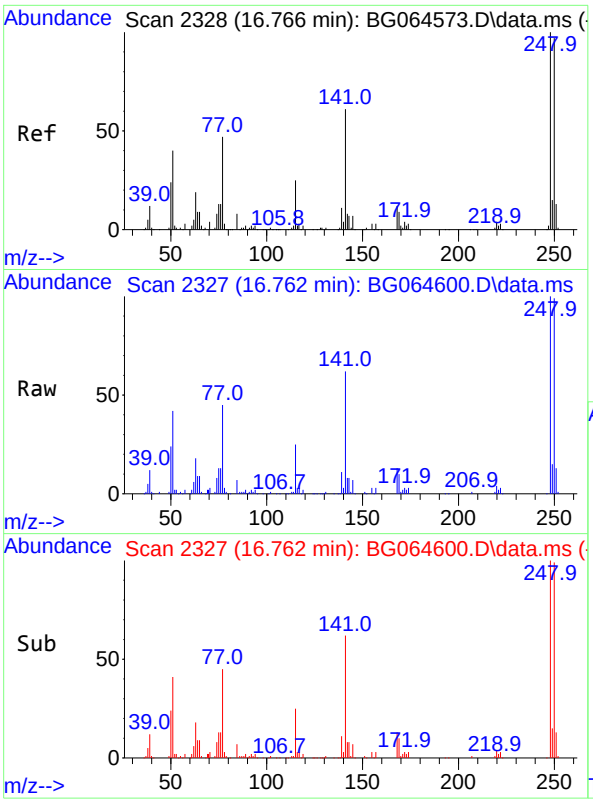


#66
n-Nitrosodiphenylamine
Concen: 41.931 ng
RT: 16.080 min Scan# 2211
Delta R.T. -0.008 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:169 Resp: 245458

Ion	Ratio	Lower	Upper
169	100		
168	68.3	56.3	84.5
167	37.1	29.0	43.6

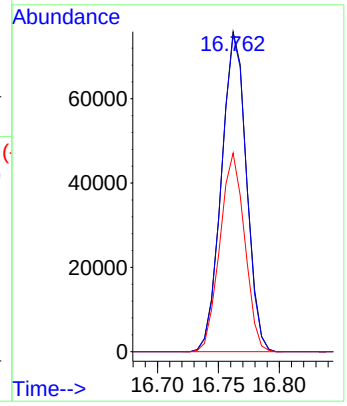




#67
4-Bromophenyl-phenylether
Concen: 42.202 ng
RT: 16.762 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:248 Resp: 10837

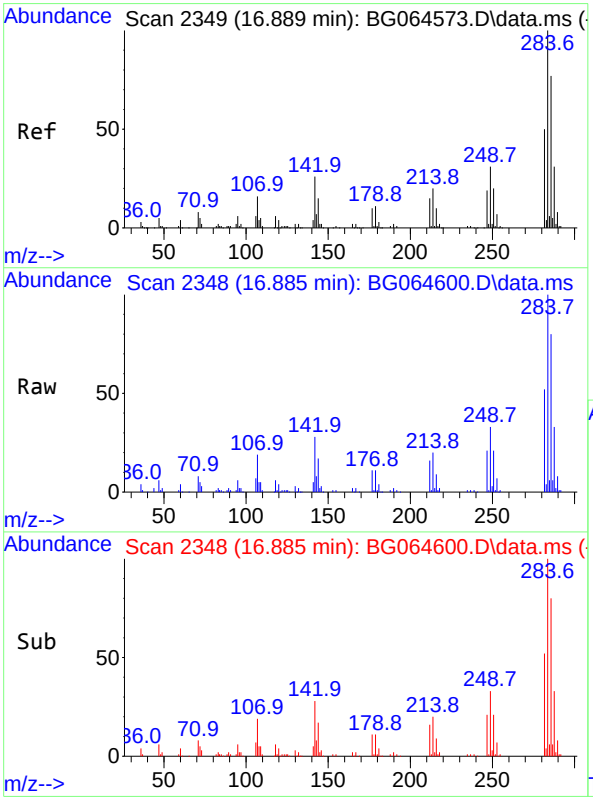
Ion	Ratio	Lower	Upper
248	100		
250	99.0	77.7	116.5
141	62.1	48.6	72.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

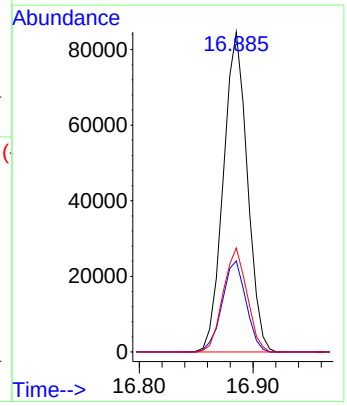
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

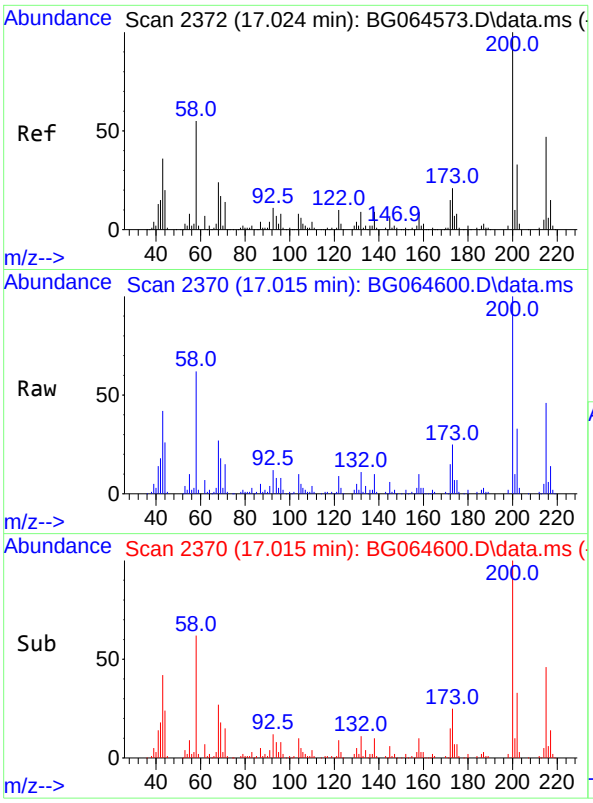


#68
Hexachlorobenzene
Concen: 42.333 ng
RT: 16.885 min Scan# 2348
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:284 Resp: 124024

Ion	Ratio	Lower	Upper
284	100		
142	28.5	21.0	31.6
249	32.5	24.9	37.3

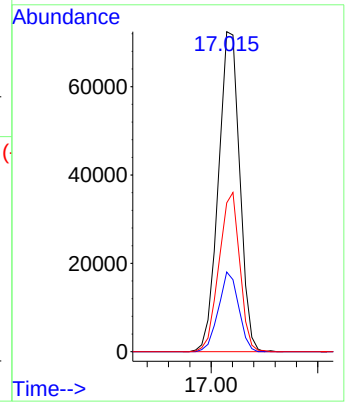




#69
Atrazine
Concen: 39.933 ng
RT: 17.015 min Scan# 2
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:200 Resp: 10059

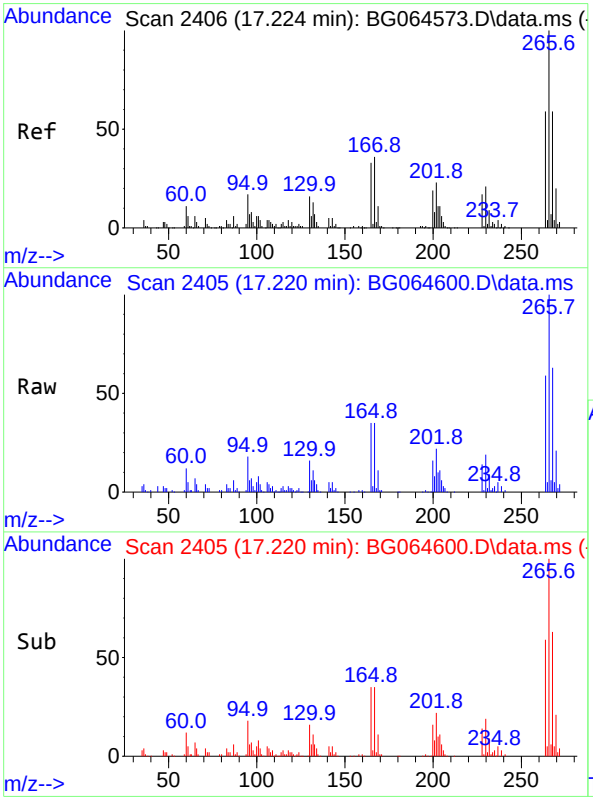
Ion	Ratio	Lower	Upper
200	100		
173	24.9	0.9	40.9
215	46.5	27.0	67.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

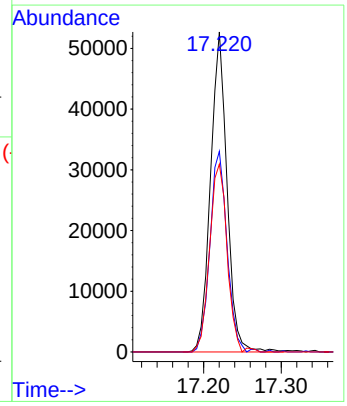
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

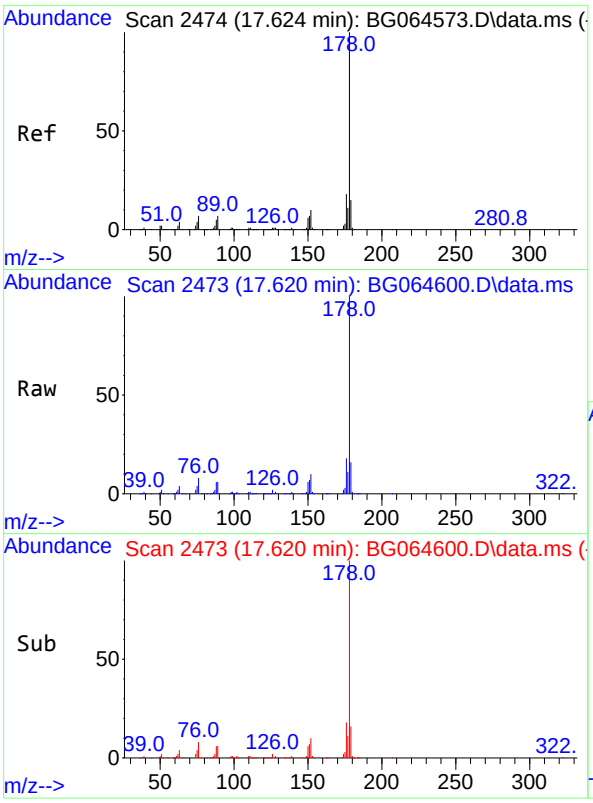


#70
Pentachlorophenol
Concen: 42.624 ng
RT: 17.220 min Scan# 2405
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:266 Resp: 77871

Ion	Ratio	Lower	Upper
266	100		
268	67.3	50.3	75.5
264	63.3	47.3	70.9

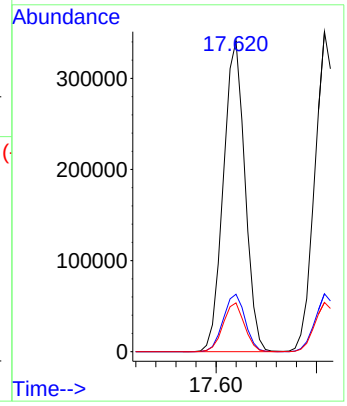




#71
Phenanthrene
Concen: 42.940 ng
RT: 17.620 min Scan# 24
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:178 Resp: 50887

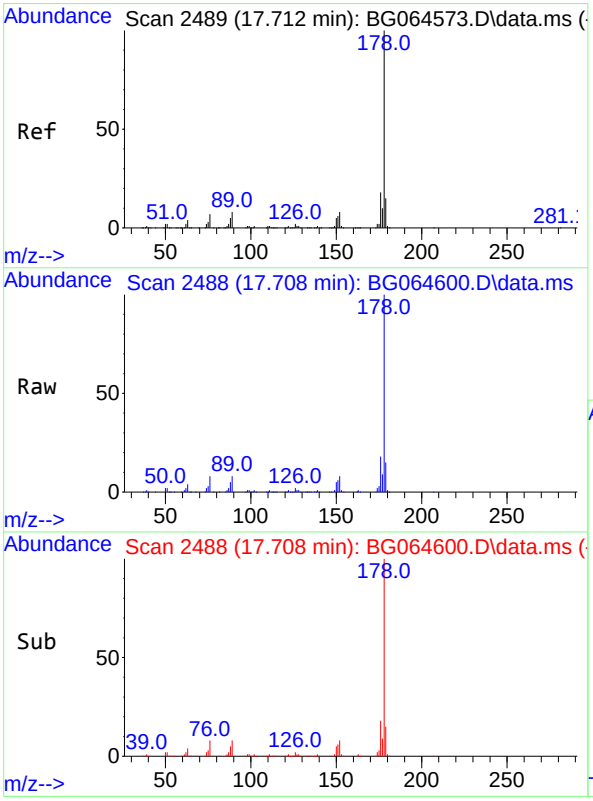
Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.7	12.2	18.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

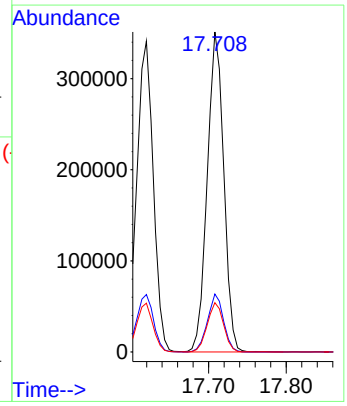
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

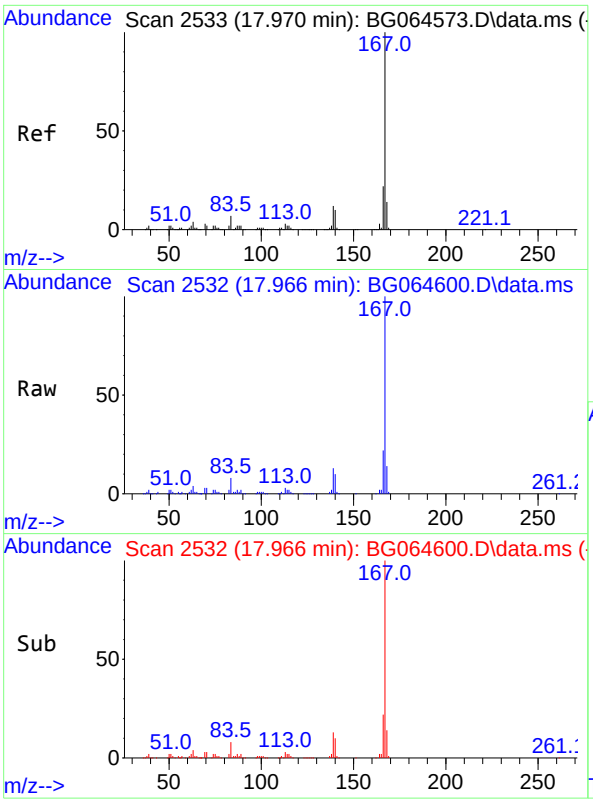


#72
Anthracene
Concen: 43.088 ng
RT: 17.708 min Scan# 2488
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:178 Resp: 519429

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.4	21.6
179	15.4	12.4	18.6

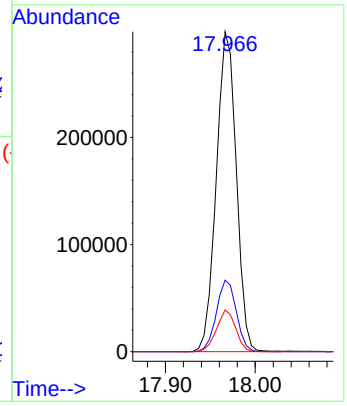




#73
Carbazole
Concen: 43.381 ng
RT: 17.966 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:167 Resp: 46115

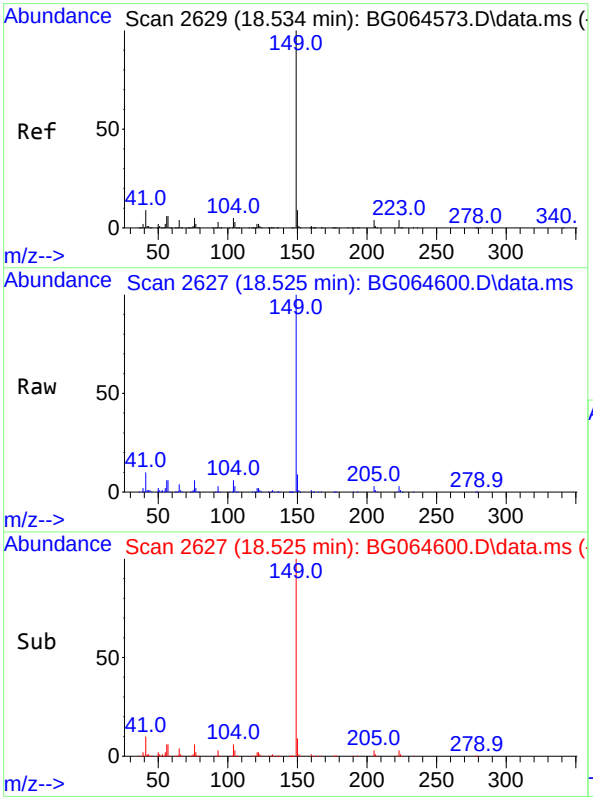
Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.9	26.9
139	13.0	9.7	14.5



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

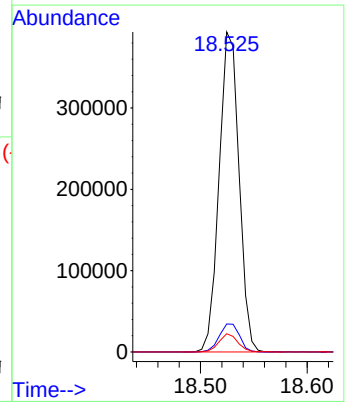
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

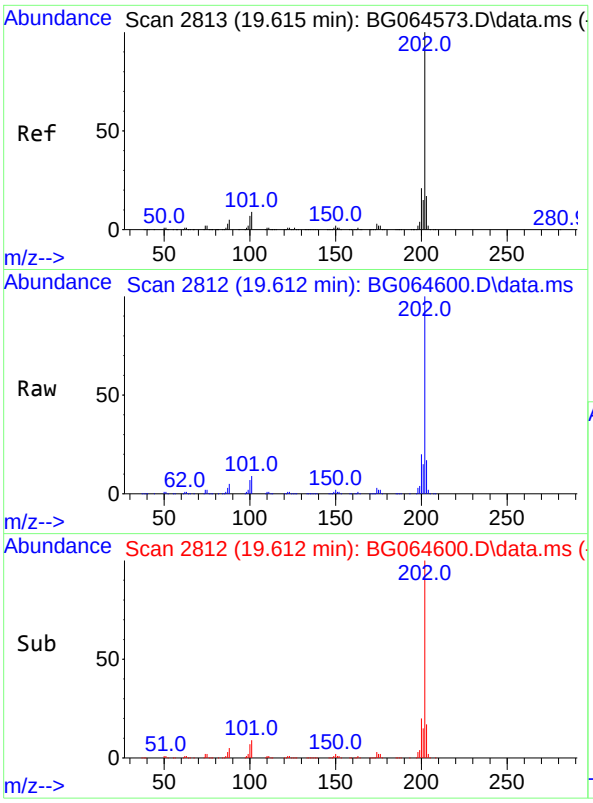


#74
Di-n-butylphthalate
Concen: 41.476 ng
RT: 18.525 min Scan# 2627
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 509848

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.0	10.6
104	5.7	4.1	6.1

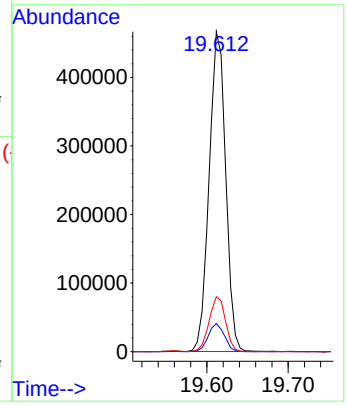




#75
Fluoranthene
Concen: 44.309 ng
RT: 19.612 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:202 Resp: 65782

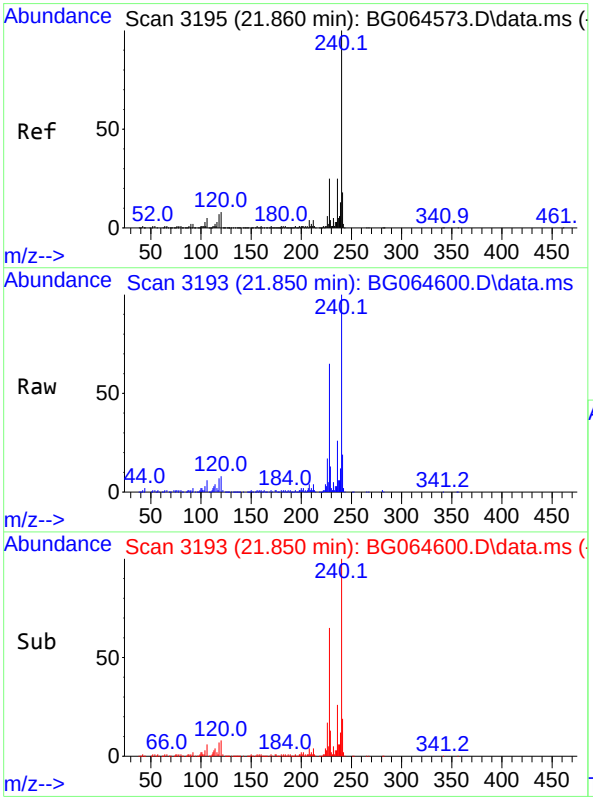
Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.7
203	17.2	0.0	37.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

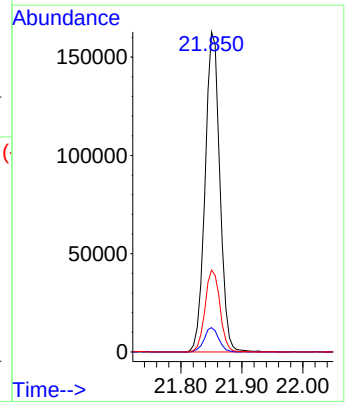
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

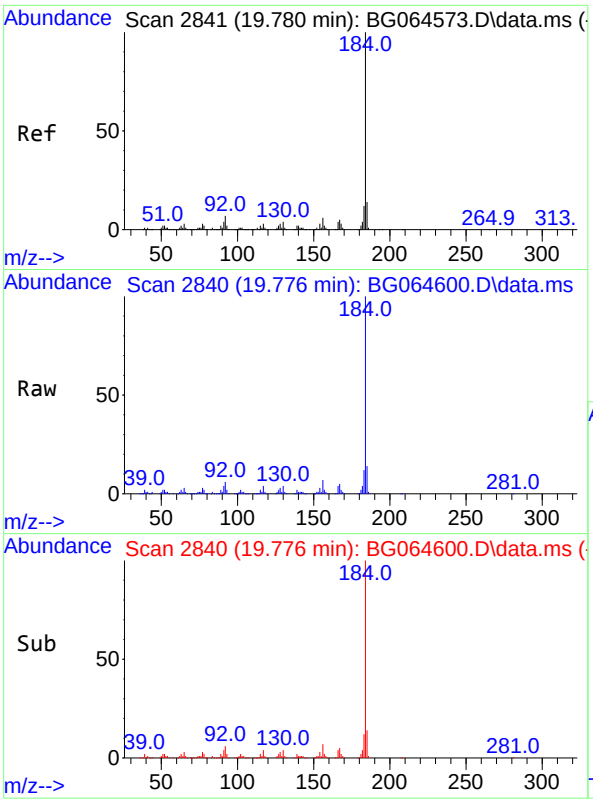


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.850 min Scan# 3193
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:240 Resp: 273944

Ion	Ratio	Lower	Upper
240	100		
120	7.6	6.5	9.7
236	25.6	20.2	30.2

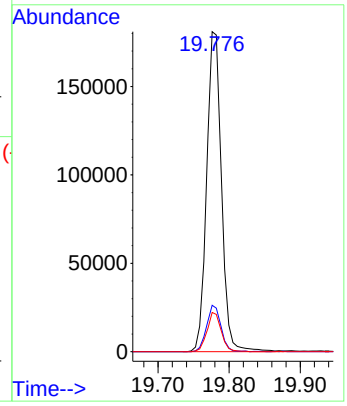




#77
Benzidine
Concen: 42.865 ng
RT: 19.776 min Scan# 2
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:184 Resp: 26308

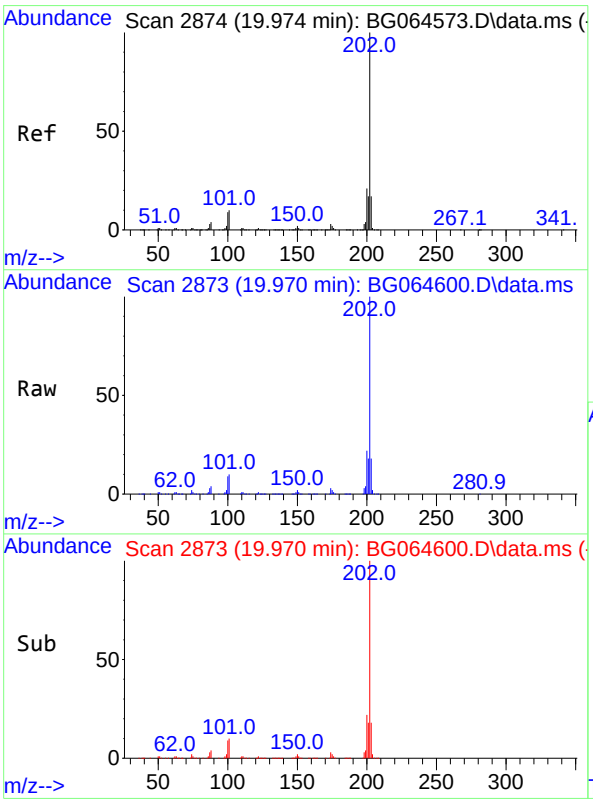
Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	12.2	9.4	14.2



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

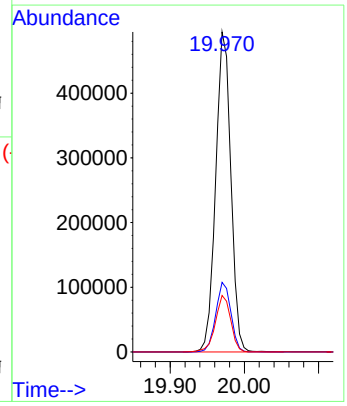
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

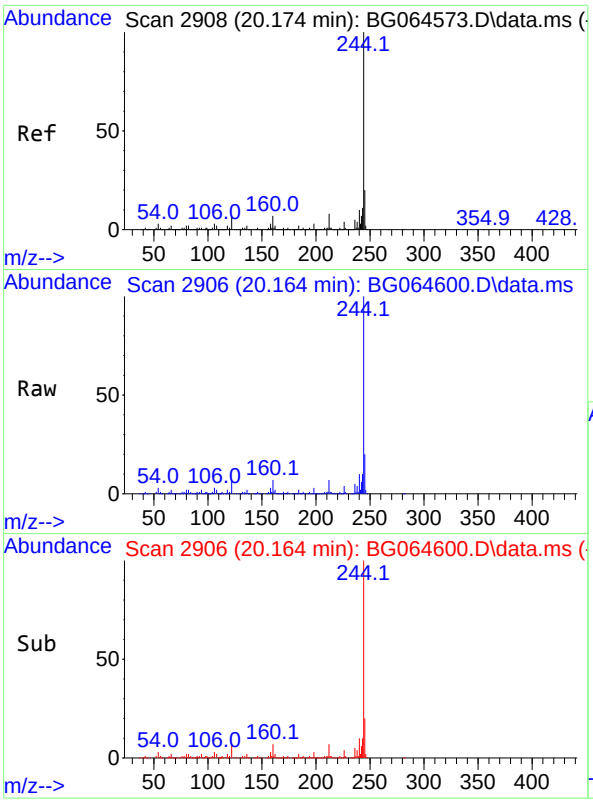


#78
Pyrene
Concen: 39.200 ng
RT: 19.970 min Scan# 2873
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:202 Resp: 701611

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.4
203	17.7	13.8	20.6

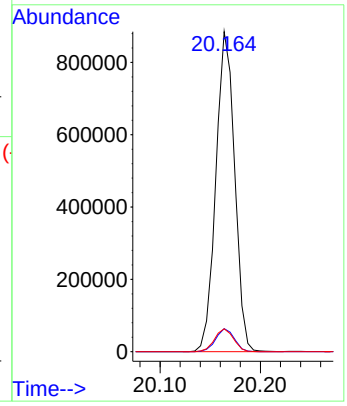




#79
Terphenyl-d14
Concen: 79.314 ng
RT: 20.164 min Scan# 2
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:244 Resp: 115133

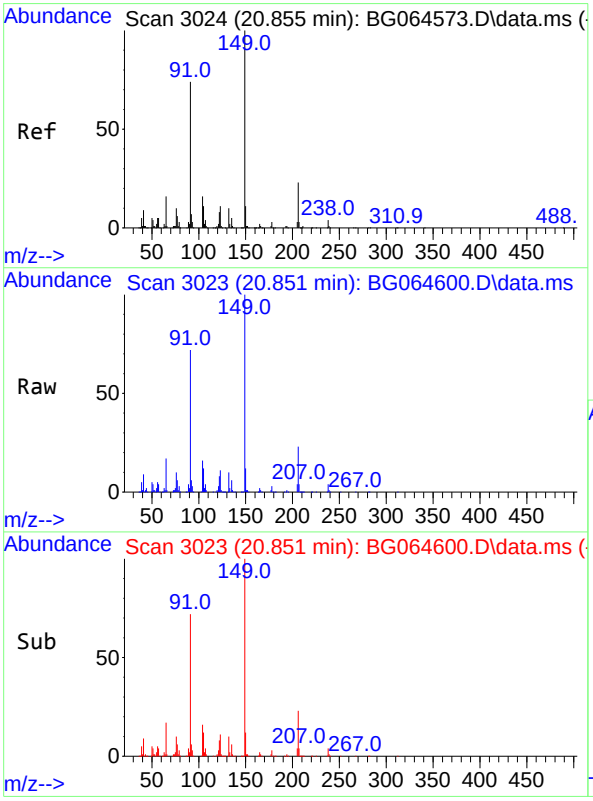
Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	7.2	5.6	8.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

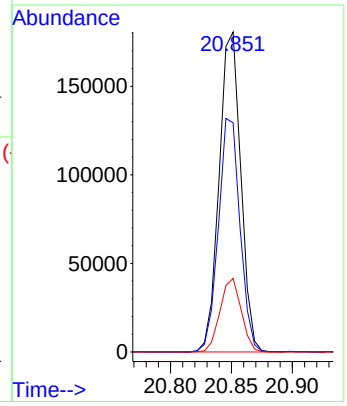
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

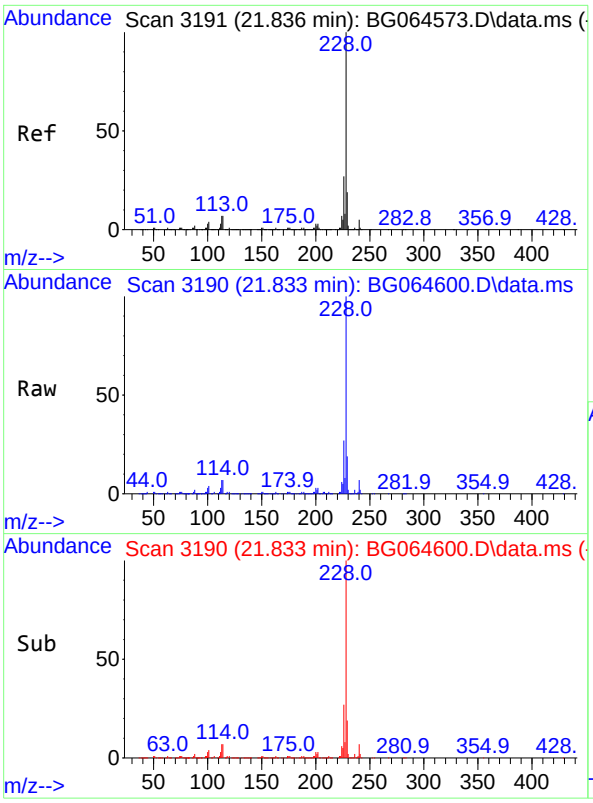


#80
Butylbenzylphthalate
Concen: 41.284 ng
RT: 20.851 min Scan# 3023
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 223322

Ion	Ratio	Lower	Upper
149	100		
91	71.6	59.2	88.8
206	23.0	18.1	27.1

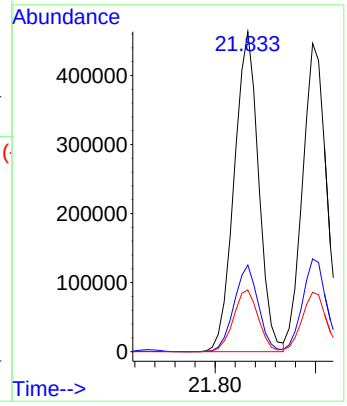




#81
Benzo(a)anthracene
Concen: 43.127 ng
RT: 21.833 min Scan# 3
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:228 Resp: 78336

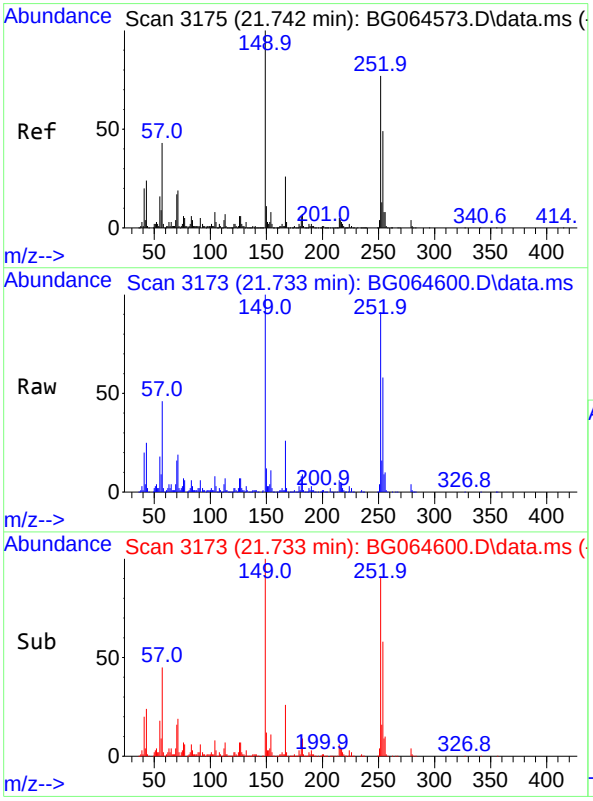
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.9	32.9
229	19.3	15.6	23.4



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

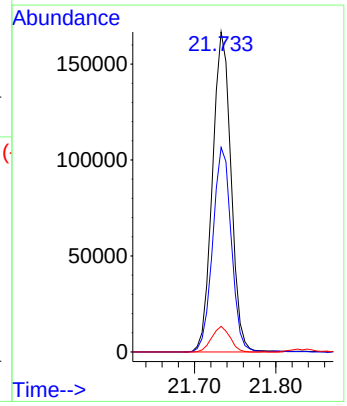
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

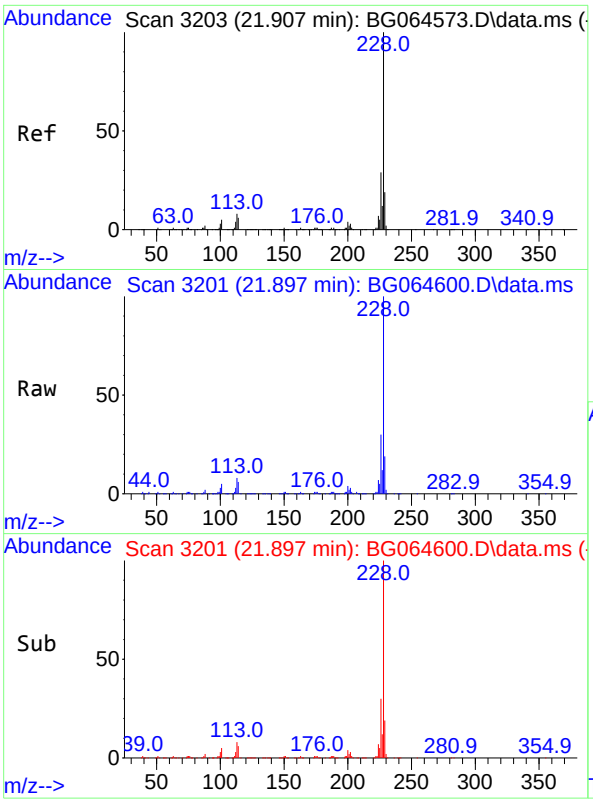


#82
3,3'-Dichlorobenzidine
Concen: 43.634 ng
RT: 21.733 min Scan# 3173
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 264664

Ion	Ratio	Lower	Upper
252	100		
254	63.9	50.8	76.2
126	8.0	5.8	8.6

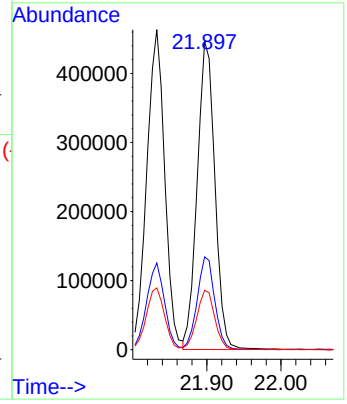




#83
Chrysene
Concen: 42.699 ng
RT: 21.897 min Scan# 3
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:228 Resp: 73797

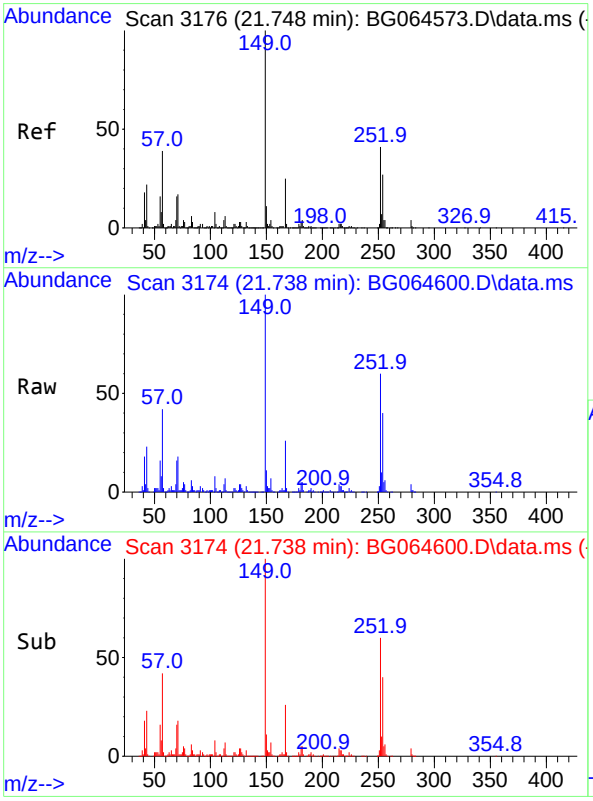
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.3	34.9
229	19.3	15.2	22.8



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

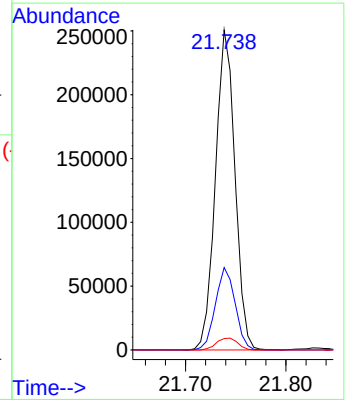
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

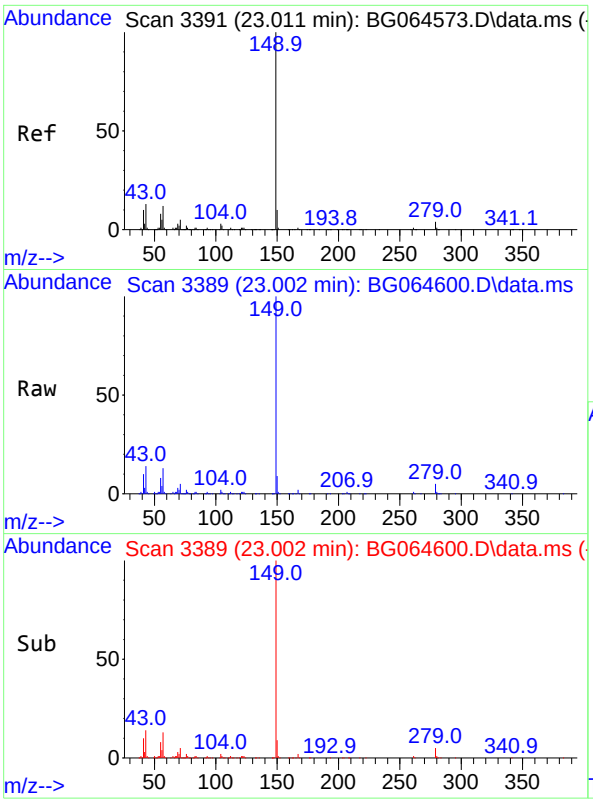


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.896 ng
RT: 21.738 min Scan# 3174
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:149 Resp: 338648

Ion	Ratio	Lower	Upper
149	100		
167	25.7	20.0	30.0
279	3.5	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 42.989 ng
RT: 23.002 min Scan# 3
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

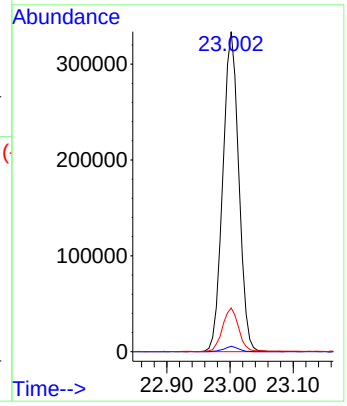
Tgt Ion:149 Resp: 58584

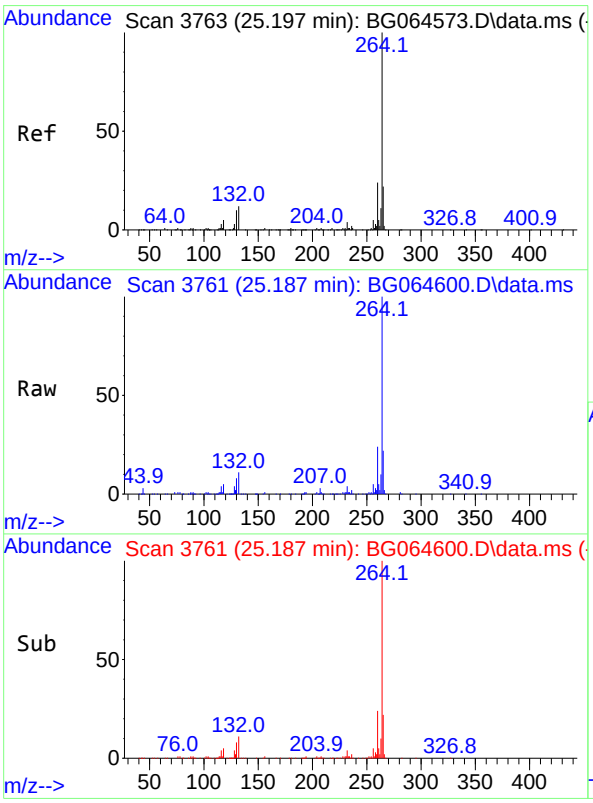
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	14.0	10.8	16.2

Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

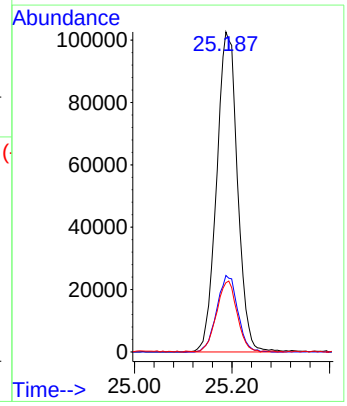


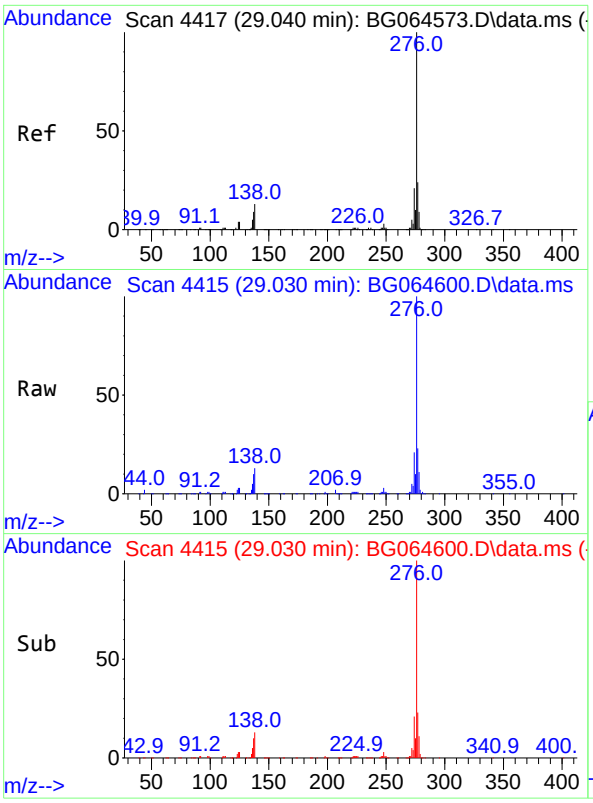


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.187 min Scan# 3761
Delta R.T. -0.013 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:264 Resp: 304830

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.4
265	21.6	17.6	26.4

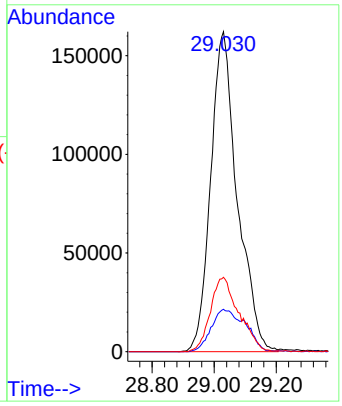




#87
Indeno(1,2,3-cd)pyrene
Concen: 43.075 ng
RT: 29.030 min Scan# 44
Delta R.T. -0.031 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:276 Resp: 96592(

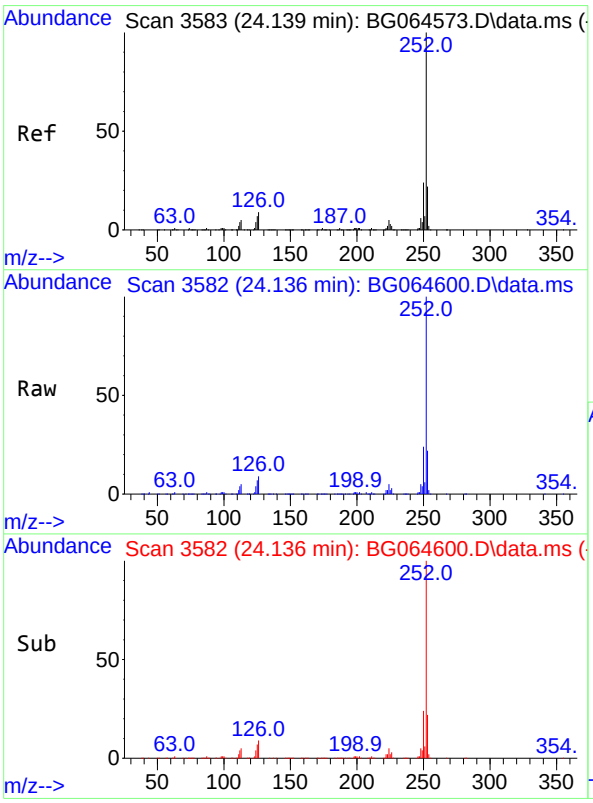
Ion	Ratio	Lower	Upper
276	100		
138	12.6	10.8	16.2
277	25.0	20.1	30.1



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

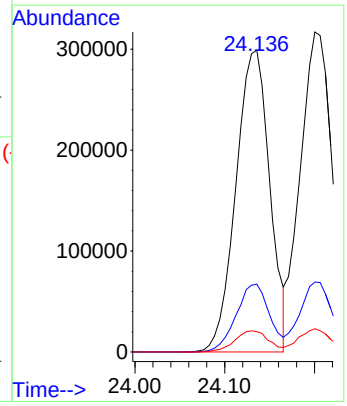
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

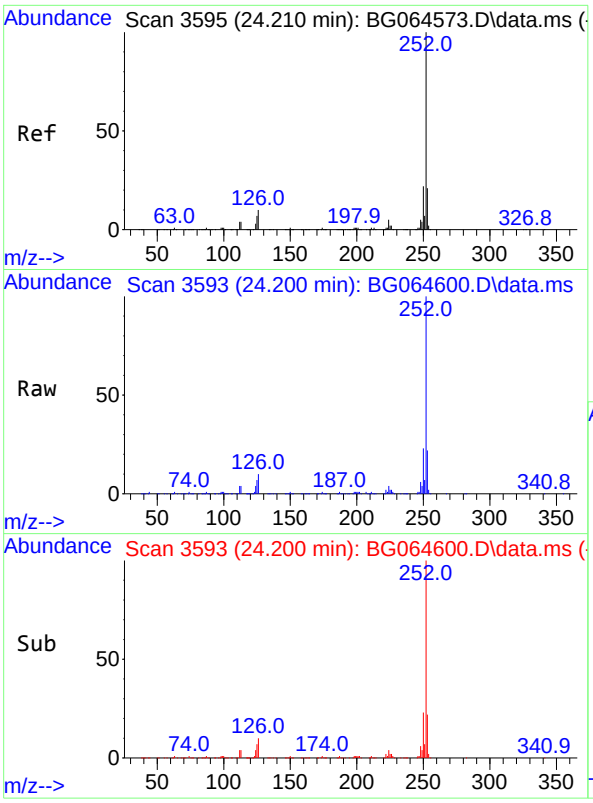


#88
Benzo(b)fluoranthene
Concen: 41.888 ng
RT: 24.136 min Scan# 3582
Delta R.T. -0.007 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 782982

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	6.8	5.6	8.4

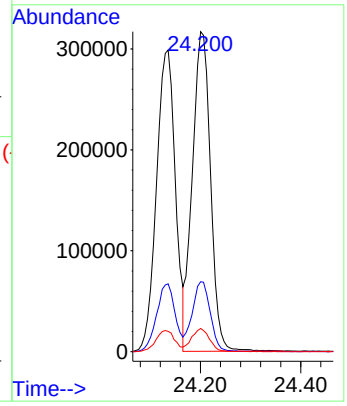




#89
Benzo(k)fluoranthene
Concen: 42.510 ng
RT: 24.200 min Scan# 3
Delta R.T. -0.019 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 79514

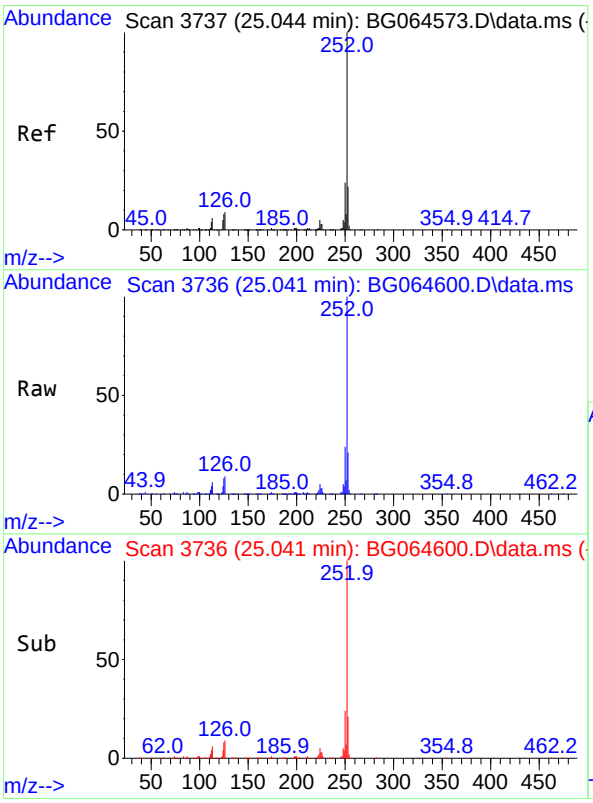
Ion	Ratio	Lower	Upper
252	100		
253	21.9	16.8	25.2
125	7.3	5.4	8.0



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

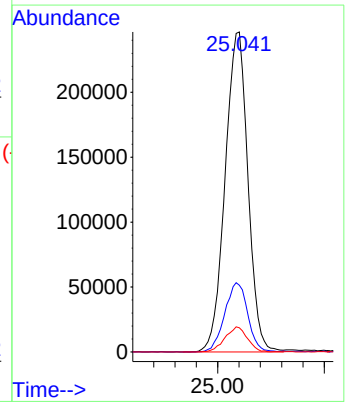
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025

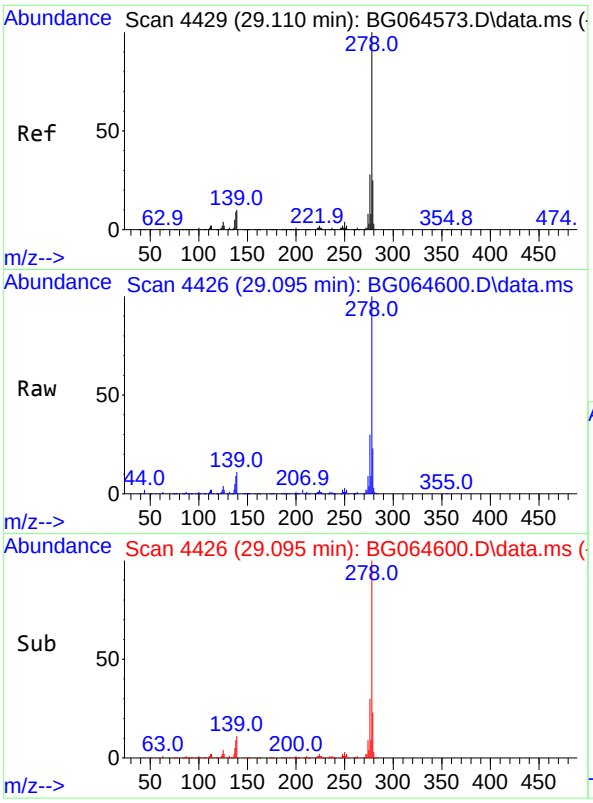


#90
Benzo(a)pyrene
Concen: 42.632 ng
RT: 25.041 min Scan# 3736
Delta R.T. -0.019 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:252 Resp: 732498

Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.6	26.4
125	7.5	6.1	9.1

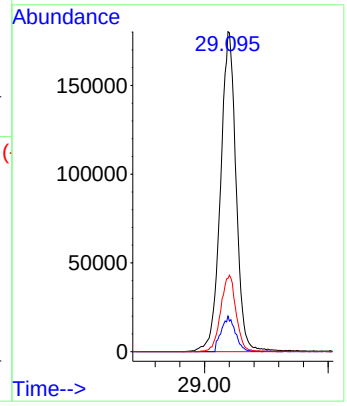




#91
Dibenzo(a,h)anthracene
Concen: 43.228 ng
RT: 29.095 min Scan# 4
Delta R.T. -0.043 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:278 Resp: 78752

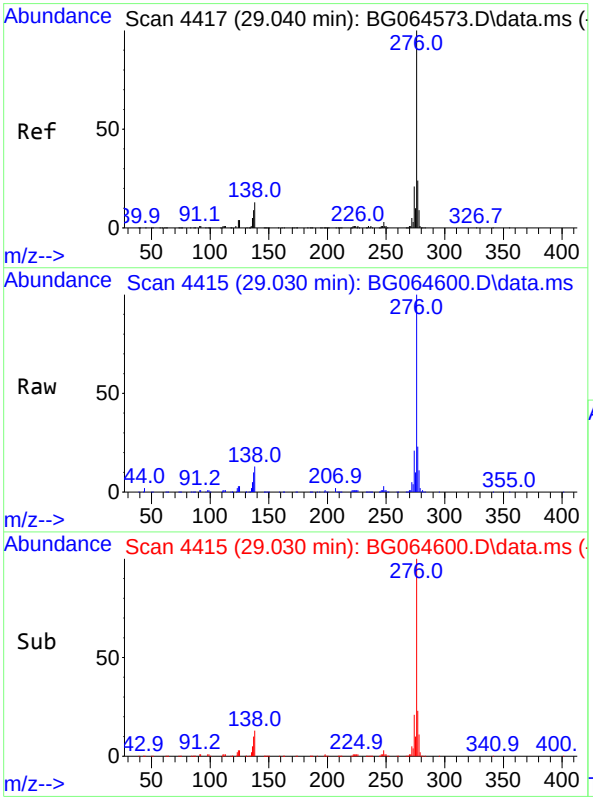
Ion	Ratio	Lower	Upper
278	100		
139	11.1	8.0	12.0
279	22.9	19.8	29.6



Instrument :
BNA_G
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

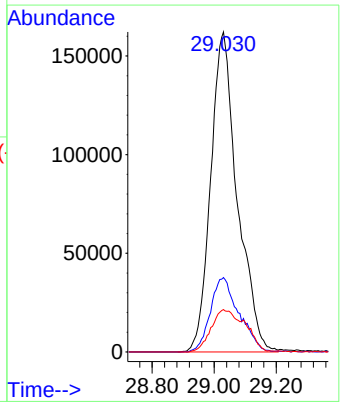
Reviewed By :Rahul Chavli 10/29/2025
Supervised By :Jagrut Upadhyay 10/29/2025



#92
Benzo(g,h,i)perylene
Concen: 43.075 ng
RT: 29.030 min Scan# 4415
Delta R.T. -0.031 min
Lab File: BG064600.D
Acq: 28 Oct 2025 13:45

Tgt Ion:276 Resp: 965926

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.2	28.8
138	13.3	10.7	16.1



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	71	0.00
2		1,4-Dioxane	0.528	0.500	5.3	68	0.00
3		Pyridine	1.584	1.484	6.3	63	0.00
4		n-Nitrosodimethylamine	0.850	0.841	1.1	67	0.00
5	S	2-Fluorophenol	1.192	1.244	-4.4	69	0.00
6		Aniline	2.225	2.289	-2.9	68	0.00
7	S	Phenol-d6	1.635	1.675	-2.4	67	0.00
8		2-Chlorophenol	1.247	1.245	0.2	65	0.00
9		Benzaldehyde	0.893	0.888	0.6	67	0.00
10	C	Phenol	1.808	1.888	-4.4	69	-0.01
11		bis(2-Chloroethyl)ether	2.225	2.289	-2.9	68	0.00
12		1,3-Dichlorobenzene	1.435	1.491	-3.9	70	0.00
13	C	1,4-Dichlorobenzene	1.460	1.522	-4.2	71	0.00
14		1,2-Dichlorobenzene	1.408	1.442	-2.4	69	0.00
15		Benzyl Alcohol	1.348	1.311	2.7	66	-0.01
16		2,2'-oxybis(1-Chloropropane	3.487	3.880	-11.3	74	0.00
17		2-Methylphenol	0.674	0.680	-0.9	65	0.00
18		Hexachloroethane	0.512	0.551	-7.6	73	0.00
19	P	n-Nitroso-di-n-propylamine	1.130	1.210	-7.1	70	-0.01
20		3+4-Methylphenols	1.688	1.671	1.0	66	-0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	68	0.00
22		Acetophenone	0.547	0.583	-6.6	68	-0.01
23	S	Nitrobenzene-d5	0.333	0.361	-8.4	65	0.00
24		Nitrobenzene	0.362	0.392	-8.3	65	0.00
25		Isophorone	0.799	0.869	-8.8	68	-0.01
26	C	2-Nitrophenol	0.121	0.135	-11.6	67	0.00
27		2,4-Dimethylphenol	0.303	0.323	-6.6	66	0.00
28		bis(2-Chloroethoxy)methane	0.455	0.488	-7.3	68	0.00
29	C	2,4-Dichlorophenol	0.320	0.337	-5.3	64	0.00
30		1,2,4-Trichlorobenzene	0.363	0.391	-7.7	68	0.00
31		Naphthalene	1.109	1.185	-6.9	69	0.00
32		Benzoic acid	0.189	0.177	6.3	60	-0.05
33		4-Chloroaniline	0.431	0.453	-5.1	67	0.00
34	C	Hexachlorobutadiene	0.284	0.301	-6.0	69	0.00
35		Caprolactam	0.123	0.122	0.8	62	-0.03
36	C	4-Chloro-3-methylphenol	0.384	0.408	-6.2	66	-0.01
37		2-Methylnaphthalene	0.814	0.869	-6.8	69	0.00
38		1-Methylnaphthalene	0.801	0.847	-5.7	68	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	67	0.00
40		1,2,4,5-Tetrachlorobenzene	0.671	0.712	-6.1	68	0.00
41	P	Hexachlorocyclopentadiene	0.302	0.327	-8.3	68	0.00
42	S	2,4,6-Tribromophenol	0.289	0.305	-5.5	64	0.00
43	C	2,4,6-Trichlorophenol	0.384	0.408	-6.2	65	0.00
44		2,4,5-Trichlorophenol	0.443	0.462	-4.3	64	0.00
45	S	2-Fluorobiphenyl	1.319	1.384	-4.9	67	0.00
46		1,1'-Biphenyl	1.422	1.511	-6.3	68	0.00
47		2-Chloronaphthalene	1.073	1.142	-6.4	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	0.311	0.324	-4.2	62	0.00
49		Acenaphthylene	1.693	1.798	-6.2	67	0.00
50		Dimethylphthalate	1.530	1.578	-3.1	64	0.00
51		2,6-Dinitrotoluene	0.218	0.235	-7.8	64	0.00
52	C	Acenaphthene	1.157	1.231	-6.4	67	0.00
53		3-Nitroaniline	0.263	0.290	-10.3	66	0.00
54	P	2,4-Dinitrophenol	0.132	0.158	-19.7	77	0.00
55		Dibenzofuran	1.870	1.967	-5.2	67	0.00
56	P	4-Nitrophenol	0.244	0.261	-7.0	67	0.00
57		2,4-Dinitrotoluene	0.340	0.374	-10.0	65	-0.01
58		Fluorene	1.460	1.566	-7.3	69	0.00
59		2,3,4,6-Tetrachlorophenol	0.424	0.450	-6.1	65	0.00
60		Diethylphthalate	1.563	1.619	-3.6	65	-0.01
61		4-Chlorophenyl-phenylether	0.820	0.874	-6.6	68	0.00
62		4-Nitroaniline	0.293	0.338	-15.4	69	-0.01
63		Azobenzene	1.434	1.556	-8.5	68	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	69	0.00
65		4,6-Dinitro-2-methylphenol	0.079	0.096	-21.5	80	0.00
66	c	n-Nitrosodiphenylamine	0.540	0.566	-4.8	67	0.00
67		4-Bromophenyl-phenylether	0.237	0.250	-5.5	67	0.00
68		Hexachlorobenzene	0.270	0.286	-5.9	68	0.00
69		Atrazine	0.232	0.232	0.0	65	-0.01
70	C	Pentachlorophenol	0.169	0.180	-6.5	69	0.00
71		Phenanthrene	1.094	1.174	-7.3	70	0.00
72		Anthracene	1.113	1.198	-7.6	70	0.00
73		Carbazole	0.981	1.064	-8.5	71	0.00
74		Di-n-butylphthalate	1.134	1.176	-3.7	66	-0.01
75	C	Fluoranthene	1.370	1.518	-10.8	73	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	82	-0.01
77		Benzidine	0.448	0.480	-7.1	81	0.00
78		Pyrene	1.307	1.281	2.0	75	0.00
79	S	Terphenyl-d14	1.060	1.051	0.8	76	-0.01
80		Butylbenzylphthalate	0.395	0.408	-3.3	75	0.00
81		Benzo(a)anthracene	1.326	1.430	-7.8	83	0.00
82		3,3'-Dichlorobenzidine	0.443	0.483	-9.0	83	0.00
83		Chrysene	1.262	1.347	-6.7	82	-0.01
84		Bis(2-ethylhexyl)phthalate	0.590	0.618	-4.7	76	-0.01
85	c	Di-n-octyl phthalate	0.995	1.069	-7.4	81	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	87	-0.01
87		Indeno(1,2,3-cd)pyrene	1.471	1.584	-7.7	88	-0.03
88		Benzo(b)fluoranthene	1.226	1.284	-4.7	84	0.00
89		Benzo(k)fluoranthene	1.227	1.304	-6.3	88	-0.02
90	C	Benzo(a)pyrene	1.127	1.201	-6.6	87	-0.02
91		Dibenzo(a,h)anthracene	1.195	1.292	-8.1	89	-0.04
92		Benzo(g,h,i)perylene	1.471	1.584	-7.7	88	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	71	0.00
2		1,4-Dioxane	40.000	37.877	5.3	68	0.00
3		Pyridine	40.000	37.468	6.3	63	0.00
4		n-Nitrosodimethylamine	40.000	39.595	1.0	67	0.00
5	S	2-Fluorophenol	80.000	83.542	-4.4	69	0.00
6		Aniline	40.000	41.150	-2.9	68	0.00
7	S	Phenol-d6	80.000	81.955	-2.4	67	0.00
8		2-Chlorophenol	40.000	39.939	0.2	65	0.00
9		Benzaldehyde	40.000	39.786	0.5	67	0.00
10	C	Phenol	40.000	41.757	-4.4	69	-0.01
11		bis(2-Chloroethyl)ether	40.000	41.150	-2.9	68	0.00
12		1,3-Dichlorobenzene	40.000	41.539	-3.8	70	0.00
13	C	1,4-Dichlorobenzene	40.000	41.719	-4.3	71	0.00
14		1,2-Dichlorobenzene	40.000	40.967	-2.4	69	0.00
15		Benzyl Alcohol	40.000	38.894	2.8	66	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	44.501	-11.3	74	0.00
17		2-Methylphenol	40.000	40.386	-1.0	65	0.00
18		Hexachloroethane	40.000	43.063	-7.7	73	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	42.830	-7.1	70	-0.01
20		3+4-Methylphenols	40.000	39.590	1.0	66	-0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	68	0.00
22		Acetophenone	40.000	42.627	-6.6	68	-0.01
23	S	Nitrobenzene-d5	80.000	86.691	-8.4	65	0.00
24		Nitrobenzene	40.000	43.241	-8.1	65	0.00
25		Isophorone	40.000	43.526	-8.8	68	-0.01
26	C	2-Nitrophenol	40.000	39.240	1.9	67	0.00
27		2,4-Dimethylphenol	40.000	42.606	-6.5	66	0.00
28		bis(2-Chloroethoxy)methane	40.000	42.920	-7.3	68	0.00
29	C	2,4-Dichlorophenol	40.000	42.166	-5.4	64	0.00
30		1,2,4-Trichlorobenzene	40.000	42.989	-7.5	68	0.00
31		Naphthalene	40.000	42.747	-6.9	69	0.00
32		Benzoic acid	40.000	34.725	13.2	60	-0.05
33		4-Chloroaniline	40.000	42.020	-5.1	67	0.00
34	C	Hexachlorobutadiene	40.000	42.430	-6.1	69	0.00
35		Caprolactam	40.000	39.664	0.8	62	-0.03
36	C	4-Chloro-3-methylphenol	40.000	42.414	-6.0	66	-0.01
37		2-Methylnaphthalene	40.000	42.698	-6.7	69	0.00
38		1-Methylnaphthalene	40.000	42.294	-5.7	68	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	67	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	42.409	-6.0	68	0.00
41	P	Hexachlorocyclopentadiene	40.000	43.286	-8.2	68	0.00
42	S	2,4,6-Tribromophenol	80.000	84.394	-5.5	64	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.468	-6.2	65	0.00
44		2,4,5-Trichlorophenol	40.000	41.754	-4.4	64	0.00
45	S	2-Fluorobiphenyl	80.000	83.896	-4.9	67	0.00
46		1,1'-Biphenyl	40.000	42.521	-6.3	68	0.00
47		2-Chloronaphthalene	40.000	42.561	-6.4	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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	36.830	7.9	62	0.00
49		Acenaphthylene	40.000	42.492	-6.2	67	0.00
50		Dimethylphthalate	40.000	41.234	-3.1	64	0.00
51		2,6-Dinitrotoluene	40.000	37.929	5.2	64	0.00
52	C	Acenaphthene	40.000	42.558	-6.4	67	0.00
53		3-Nitroaniline	40.000	44.086	-10.2	66	0.00
54	P	2,4-Dinitrophenol	40.000	43.496	-8.7	77	0.00
55		Dibenzofuran	40.000	42.088	-5.2	67	0.00
56	P	4-Nitrophenol	40.000	42.870	-7.2	67	0.00
57		2,4-Dinitrotoluene	40.000	38.904	2.7	65	-0.01
58		Fluorene	40.000	42.889	-7.2	69	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.494	-6.2	65	0.00
60		Diethylphthalate	40.000	41.444	-3.6	65	-0.01
61		4-Chlorophenyl-phenylether	40.000	42.673	-6.7	68	0.00
62		4-Nitroaniline	40.000	46.150	-15.4	69	-0.01
63		Azobenzene	40.000	43.410	-8.5	68	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	69	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.112	-10.3	80	0.00
66	c	n-Nitrosodiphenylamine	40.000	41.931	-4.8	67	0.00
67		4-Bromophenyl-phenylether	40.000	42.202	-5.5	67	0.00
68		Hexachlorobenzene	40.000	42.333	-5.8	68	0.00
69		Atrazine	40.000	39.933	0.2	65	-0.01
70	C	Pentachlorophenol	40.000	42.624	-6.6	69	0.00
71		Phenanthrene	40.000	42.940	-7.3	70	0.00
72		Anthracene	40.000	43.088	-7.7	70	0.00
73		Carbazole	40.000	43.381	-8.5	71	0.00
74		Di-n-butylphthalate	40.000	41.476	-3.7	66	-0.01
75	C	Fluoranthene	40.000	44.309	-10.8	73	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	82	-0.01
77		Benzidine	40.000	42.865	-7.2	81	0.00
78		Pyrene	40.000	39.200	2.0	75	0.00
79	S	Terphenyl-d14	80.000	79.314	0.9	76	-0.01
80		Butylbenzylphthalate	40.000	41.284	-3.2	75	0.00
81		Benzo(a)anthracene	40.000	43.127	-7.8	83	0.00
82		3,3'-Dichlorobenzidine	40.000	43.634	-9.1	83	0.00
83		Chrysene	40.000	42.699	-6.7	82	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	41.896	-4.7	76	-0.01
85	c	Di-n-octyl phthalate	40.000	42.989	-7.5	81	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	87	-0.01
87		Indeno(1,2,3-cd)pyrene	40.000	43.075	-7.7	88	-0.03
88		Benzo(b)fluoranthene	40.000	41.888	-4.7	84	0.00
89		Benzo(k)fluoranthene	40.000	42.510	-6.3	88	-0.02
90	C	Benzo(a)pyrene	40.000	42.632	-6.6	87	-0.02
91		Dibenzo(a,h)anthracene	40.000	43.228	-8.1	89	-0.04
92		Benzo(g,h,i)perylene	40.000	43.075	-7.7	88	-0.03

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064600.D
Acq On : 28 Oct 2025 13:45
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_G
LabSampleId :
SSTDCCC040

Quant Time: Oct 28 14:21:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 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

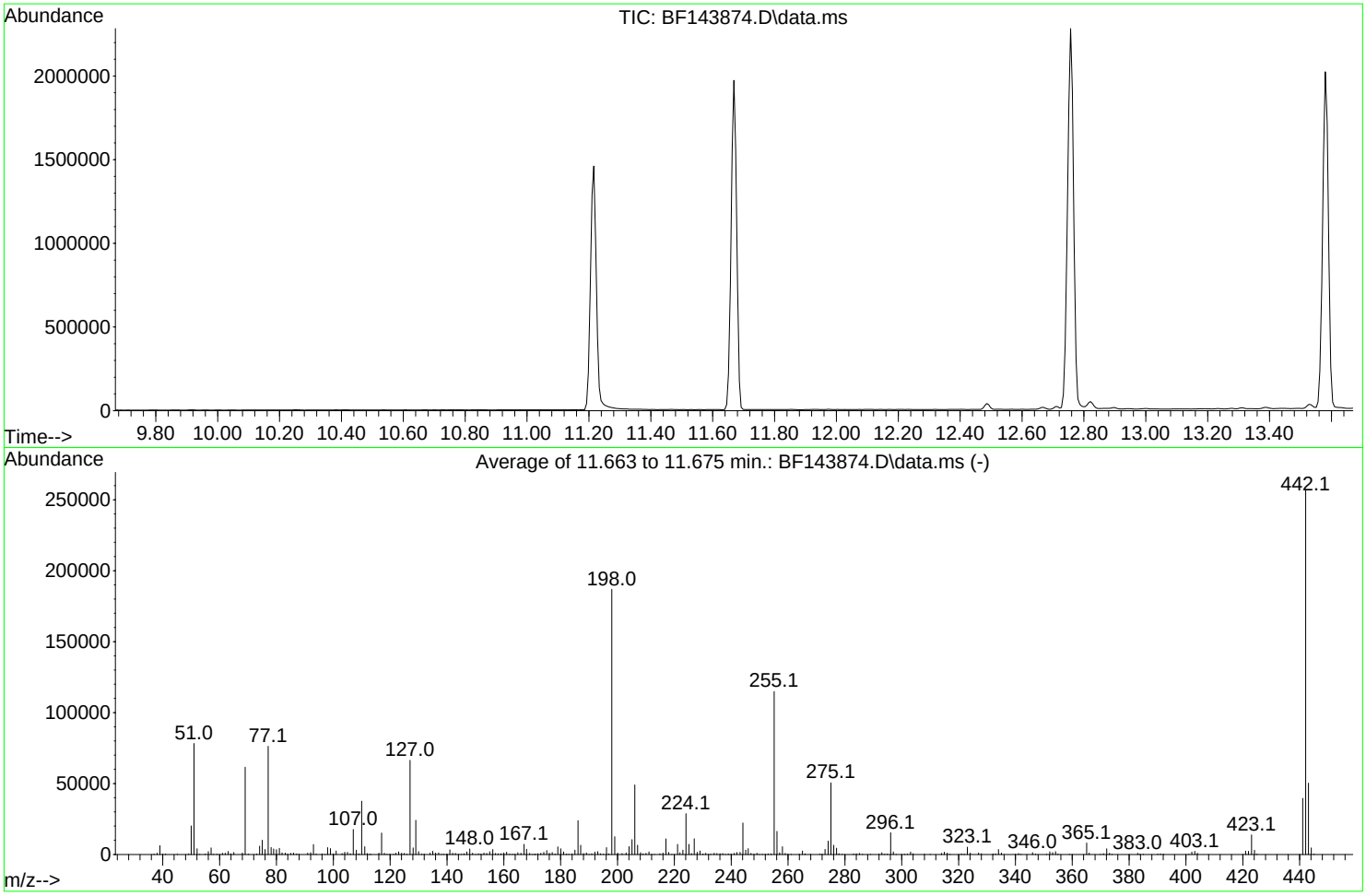
QC SAMPLE DATA

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



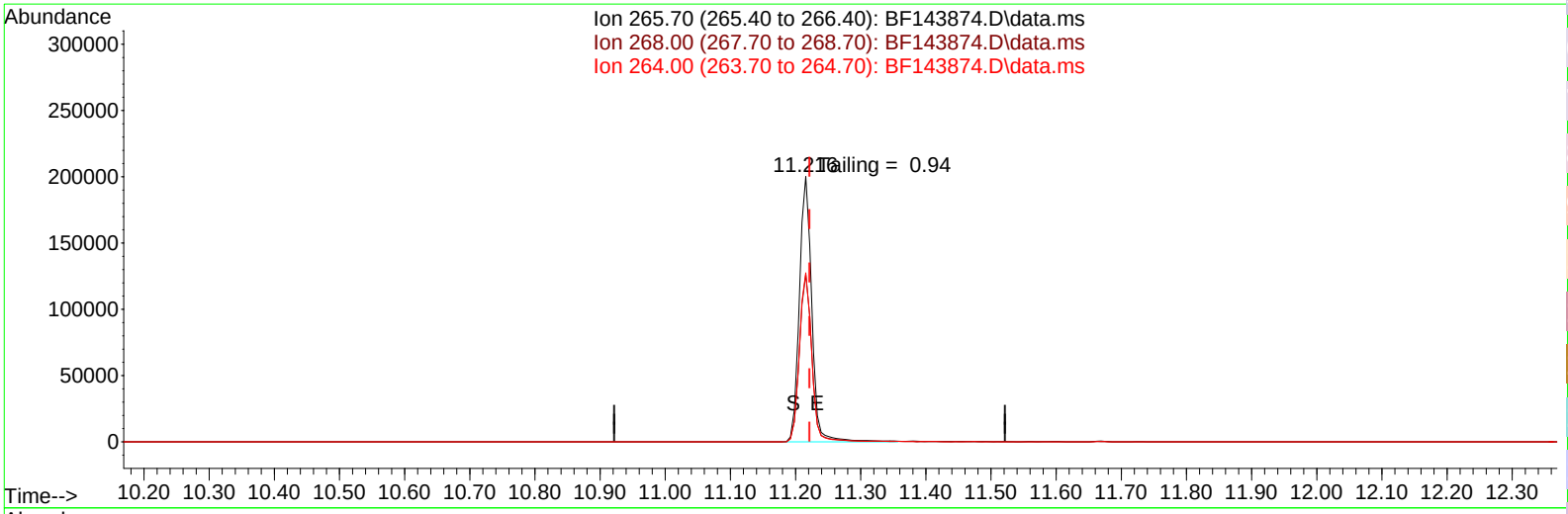
AutoFind: Scans 1610, 1611, 1612; Background Corrected with Scan 1603

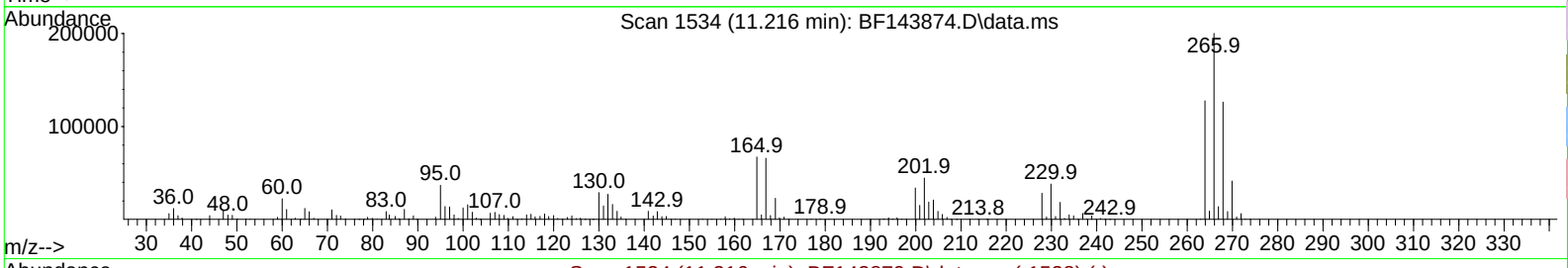
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	971	PASS
69	69	100	100	100.0	61475	PASS
70	69	0.00	2	0.4	240	PASS
197	198	0.00	2	0.3	472	PASS
198	198	100	100	100.0	186859	PASS
199	198	5	9	6.7	12573	PASS
365	198	1	100	4.3	8075	PASS
441	443	0.01	150	78.8	39600	PASS
442	442	100	100	100.0	256555	PASS
443	442	15	24	19.6	50245	PASS

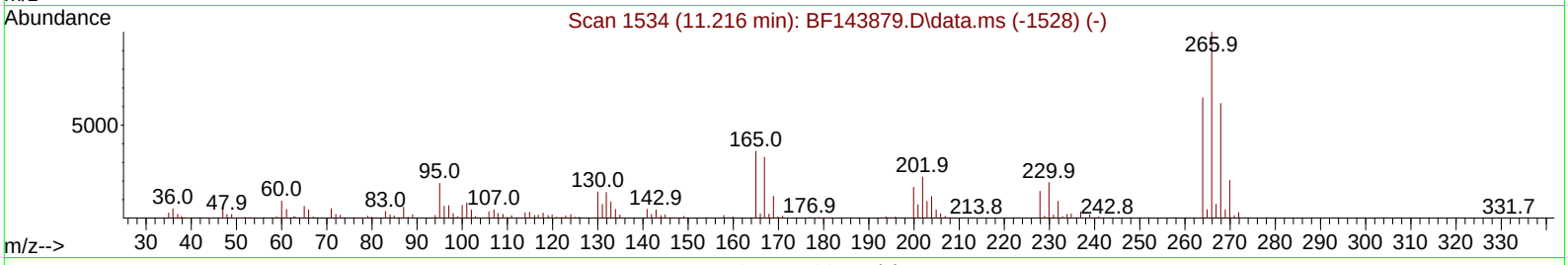
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

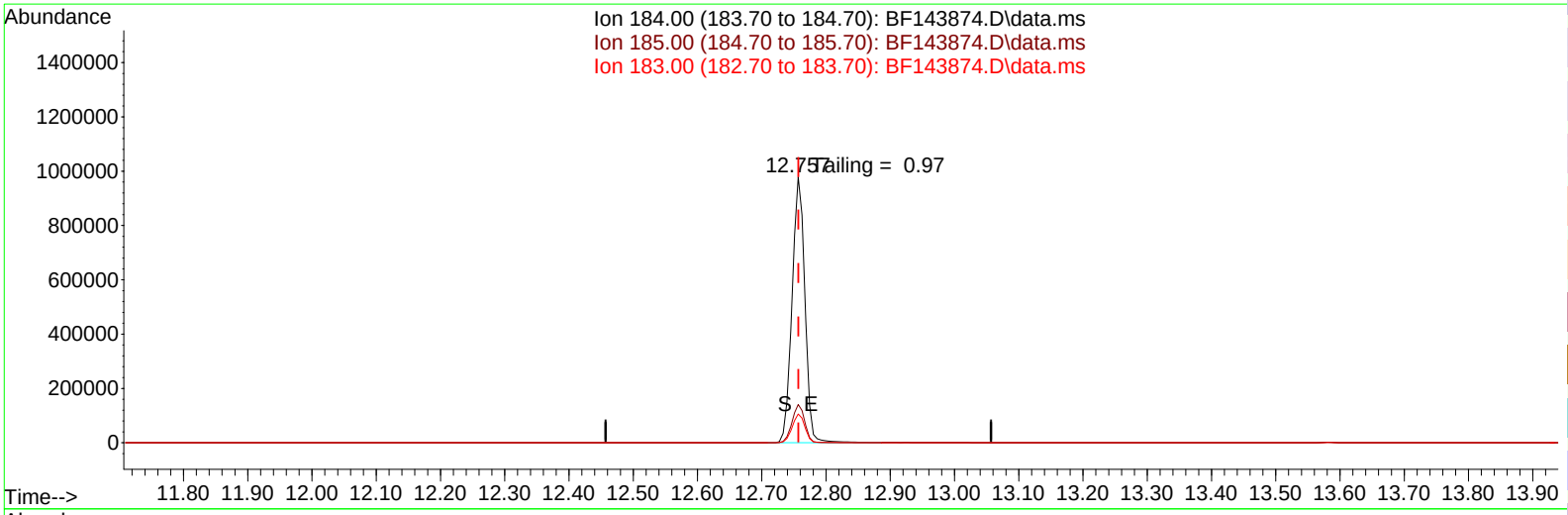
response 265194

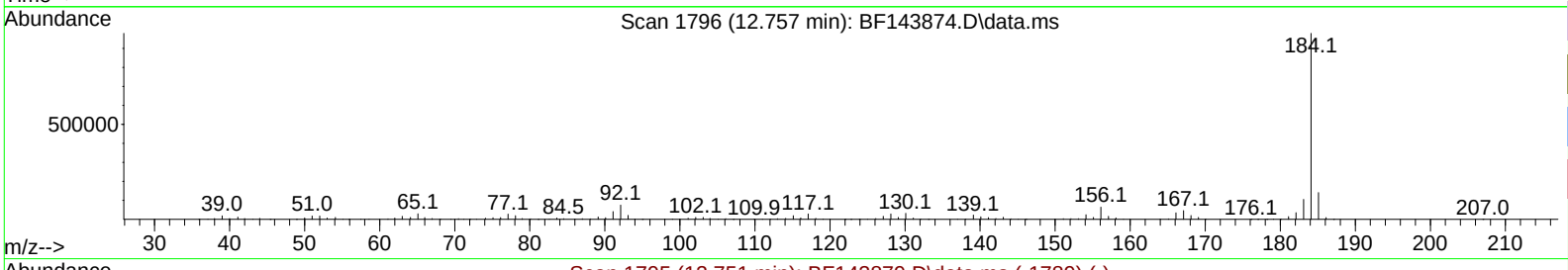
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	63.10
264.00	64.70	63.76
0.00	0.00	0.00

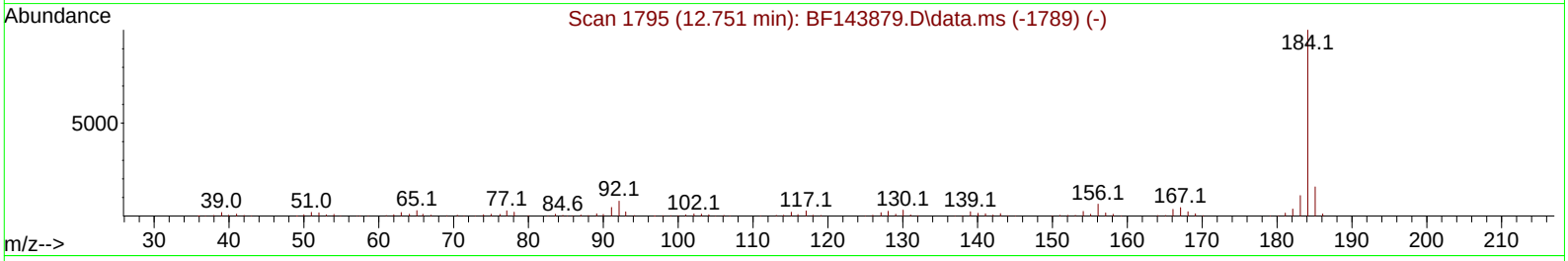
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100625\
Data File : BF143874.D
Acq On : 06 Oct 2025 09:30
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

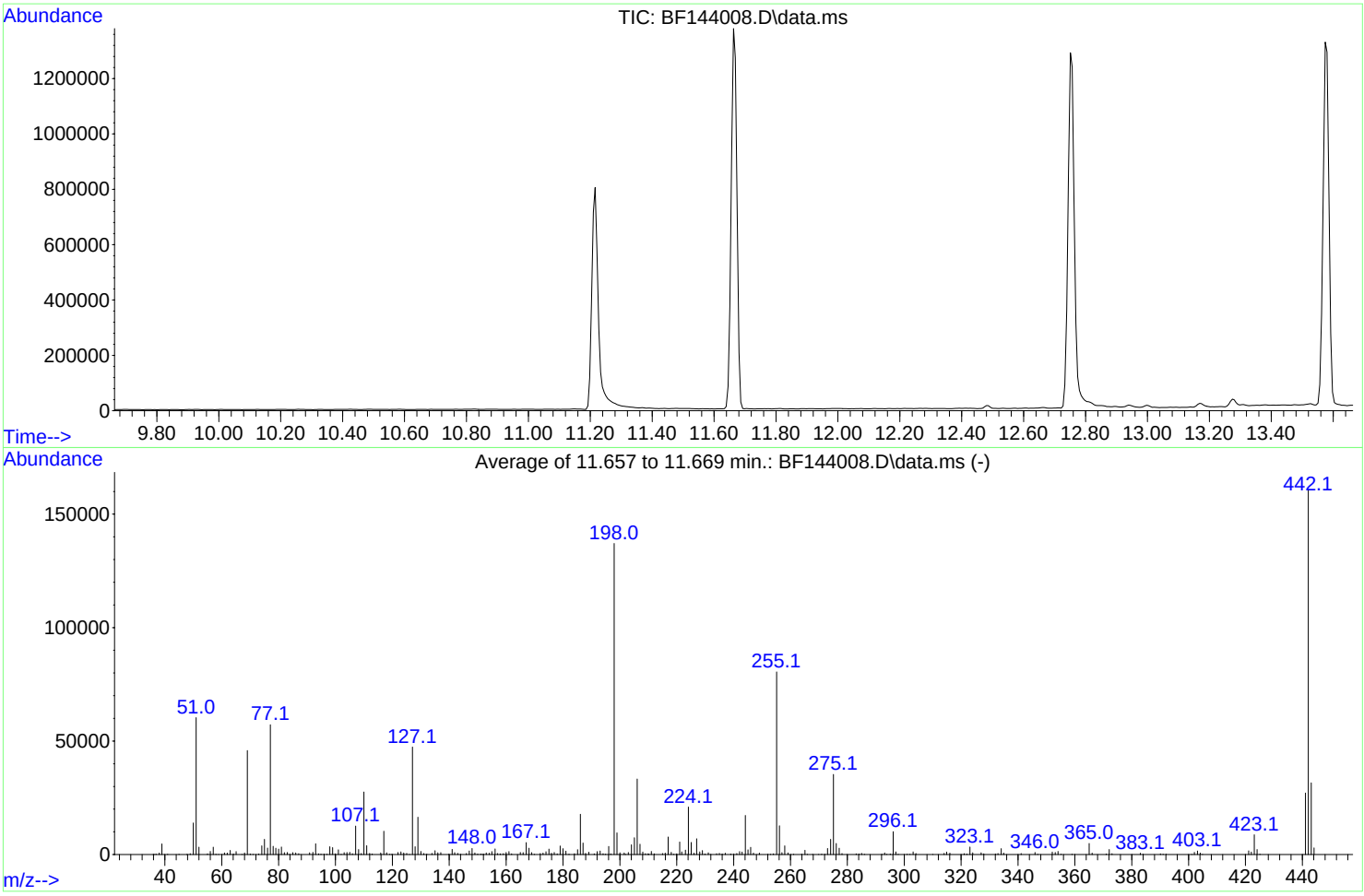
Sample Results: **BF144008.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144008.D
Acq On : 21 Oct 2025 12:43
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



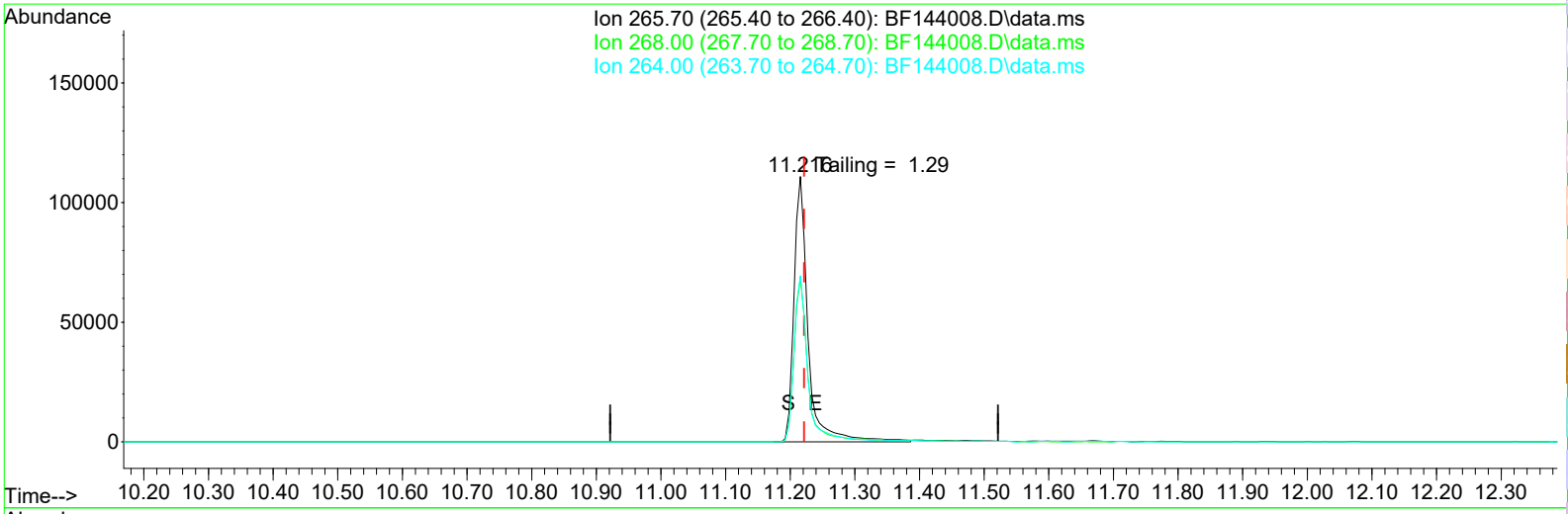
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

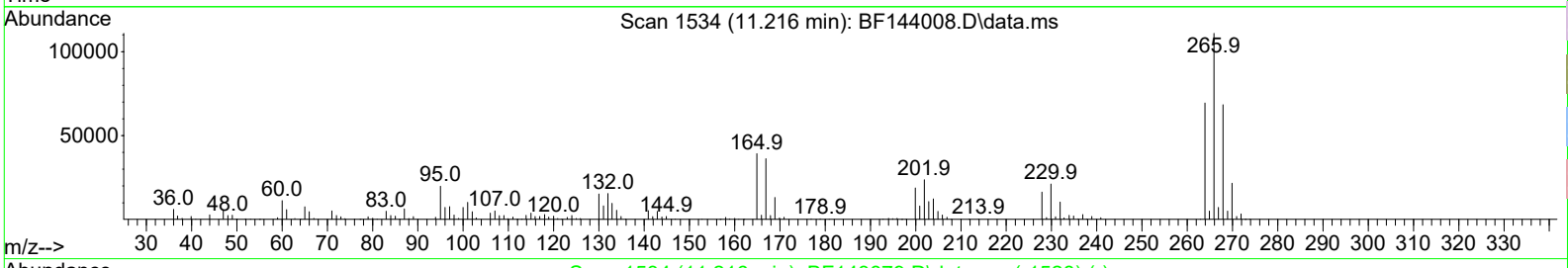
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	715	PASS
69	69	100	100	100.0	45819	PASS
70	69	0.00	2	0.5	248	PASS
197	198	0.00	2	0.2	322	PASS
198	198	100	100	100.0	137115	PASS
199	198	5	9	7.0	9565	PASS
365	198	1	100	3.6	4896	PASS
441	443	0.01	150	85.7	27087	PASS
442	442	100	100	100.0	160408	PASS
443	442	15	24	19.7	31611	PASS

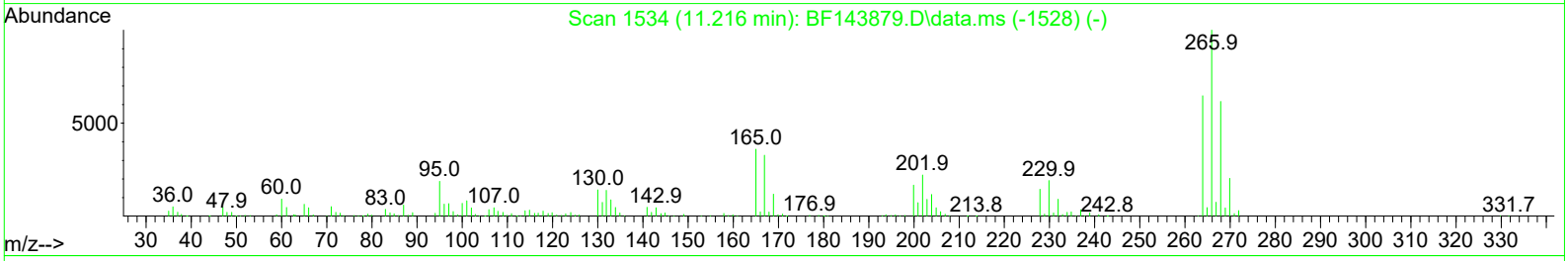
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144008.D
Acq On : 21 Oct 2025 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 21 13:56:14 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: BF144008.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 31834.77 ng

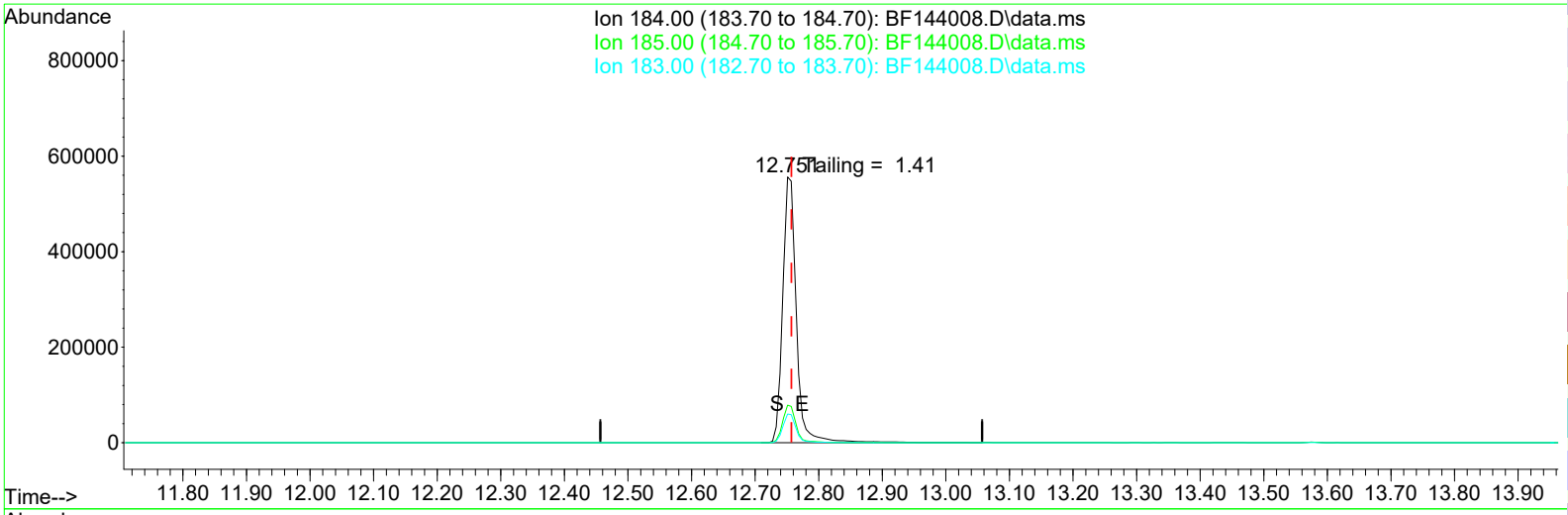
response 169131

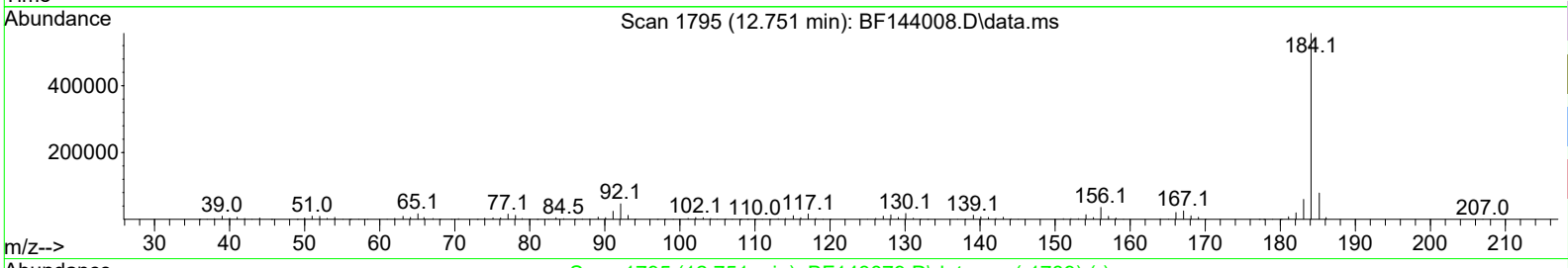
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	61.71
264.00	64.70	62.61
0.00	0.00	0.00

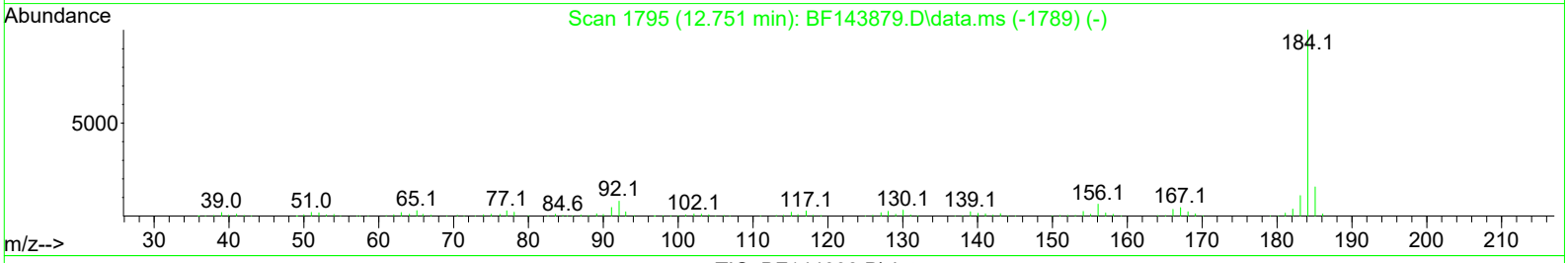
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144008.D
Acq On : 21 Oct 2025 12:43
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 21 13:56:14 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: BF144008.D\data.ms

(77) Benzidine

12.751min (-0.006) 0.00 ng

response 827233

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.17
183.00	11.00	10.79
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

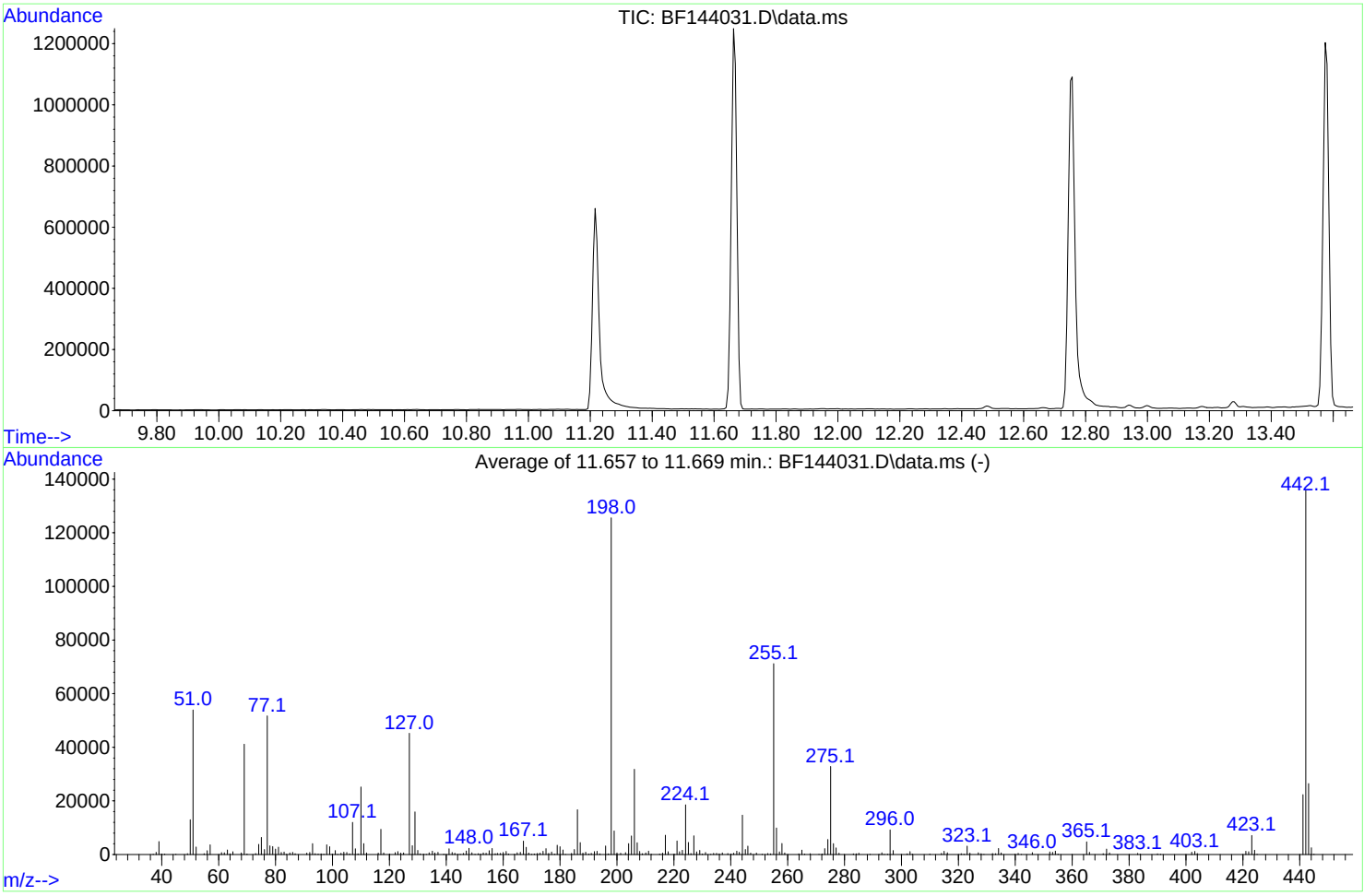
Date	Instrument Name	DFTPP Data File
10/21/2025	BNA_F	BF144008.D
Compound Name	**Response**	**Retention Time**
DDT	371363	13.58
DDD	9829	13.274
DDE	2408	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12237	383600	3.19

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144031.D
Acq On : 22 Oct 2025 09:26
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



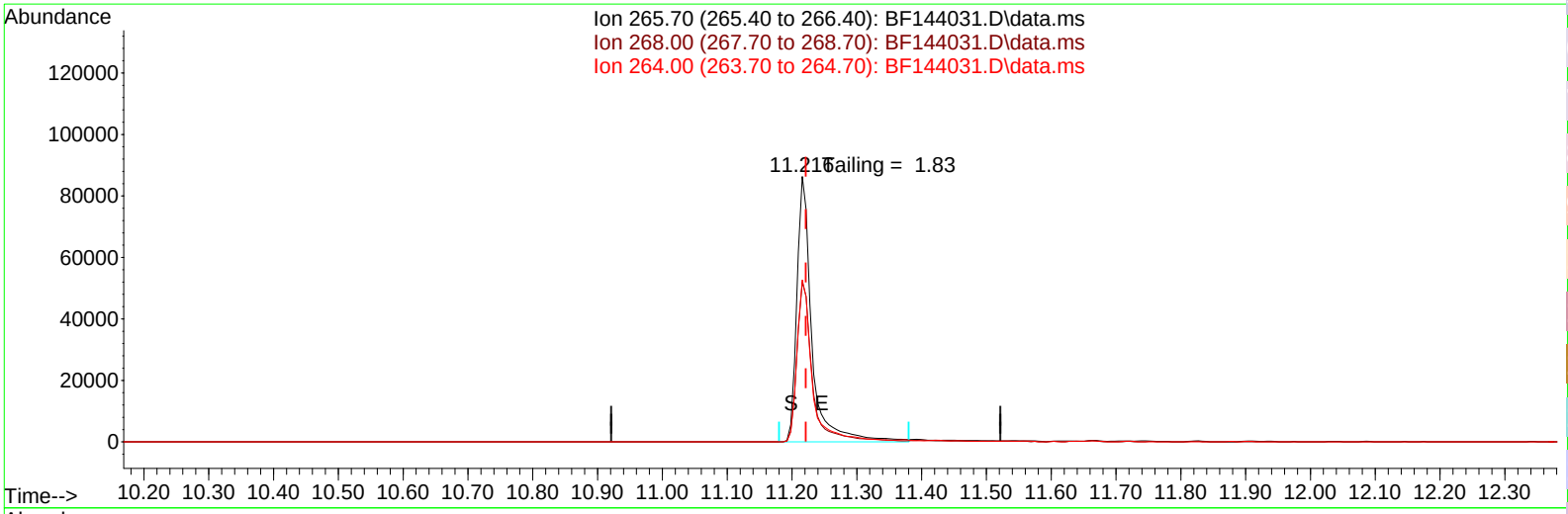
AutoFind: Scans 1609, 1610, 1611; Background Corrected with Scan 1603

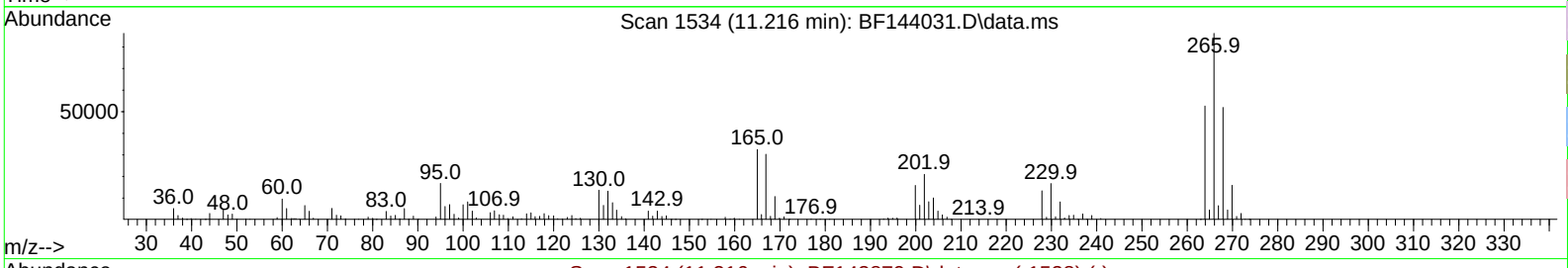
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.5	610	PASS
69	69	100	100	100.0	41155	PASS
70	69	0.00	2	0.6	235	PASS
197	198	0.00	2	0.2	273	PASS
198	198	100	100	100.0	125584	PASS
199	198	5	9	7.0	8799	PASS
365	198	1	100	3.8	4712	PASS
441	443	0.01	150	84.6	22367	PASS
442	442	100	100	100.0	135728	PASS
443	442	15	24	19.5	26434	PASS

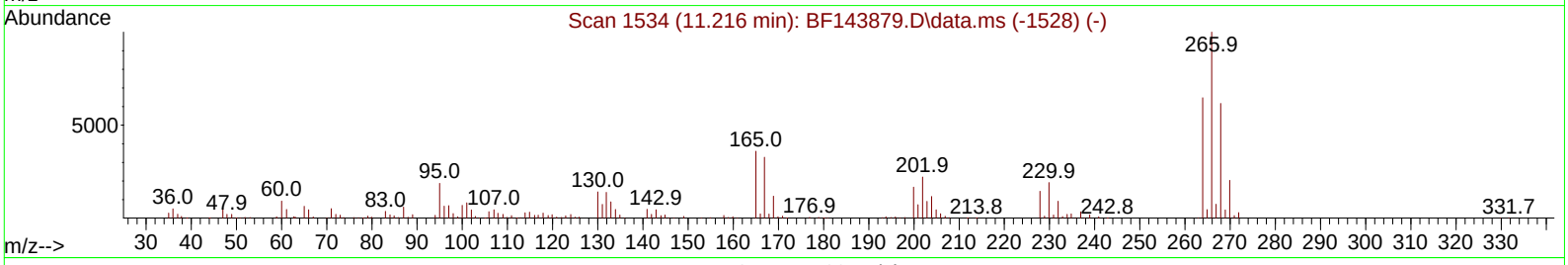
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144031.D
Acq On : 22 Oct 2025 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 12:25:09 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







TIC: BF144031.D\data.ms

(70) Pentachlorophenol (C)

11.216min (-0.006) 25307.30 ng

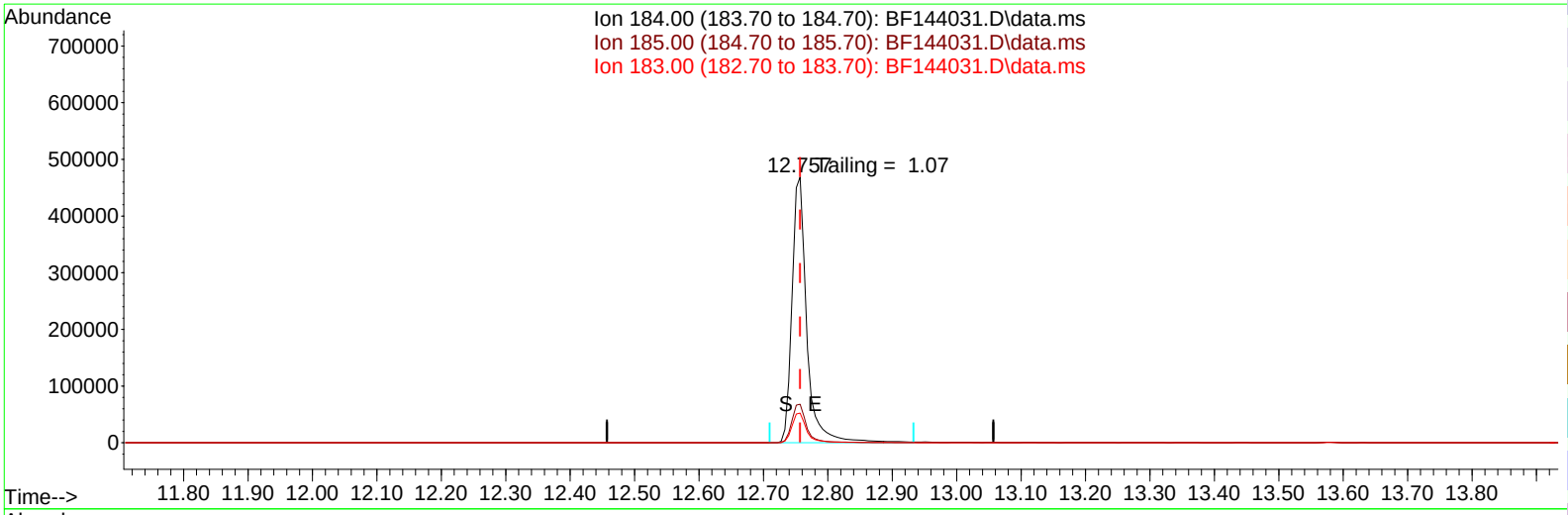
response 139659

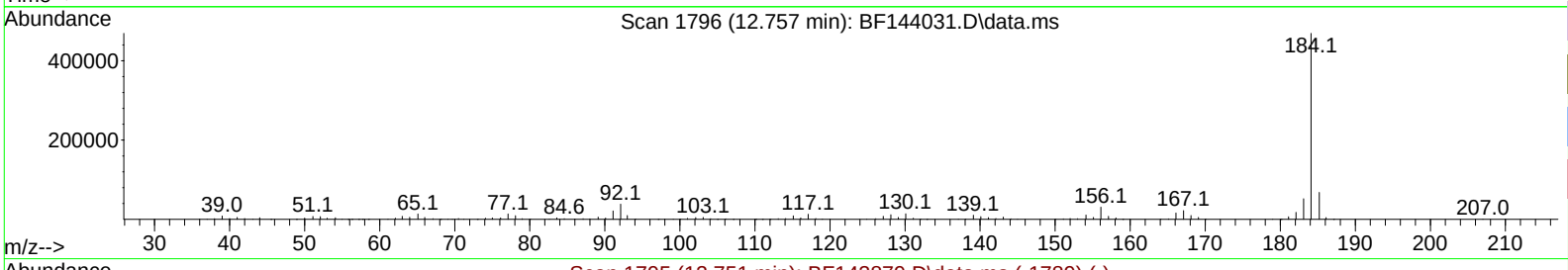
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	61.70	60.26
264.00	64.70	61.03
0.00	0.00	0.00

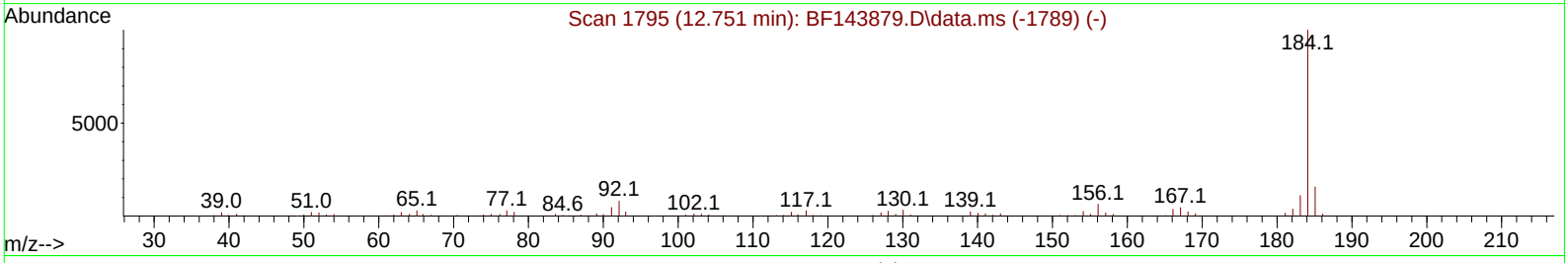
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144031.D
Acq On : 22 Oct 2025 09:26
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Oct 22 12:25:09 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







TIC: BF144031.D\data.ms

(77) Benzidine

12.757min (-0.000) 0.00 ng

response 749496

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	14.47
183.00	11.00	11.14
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/22/2025	BNA_F	BF144031.D
Compound Name	**Response**	**Retention Time**
DDT	316043	13.574
DDD	8713	13.28
DDE	2730	12.939
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
11443	327486	3.49

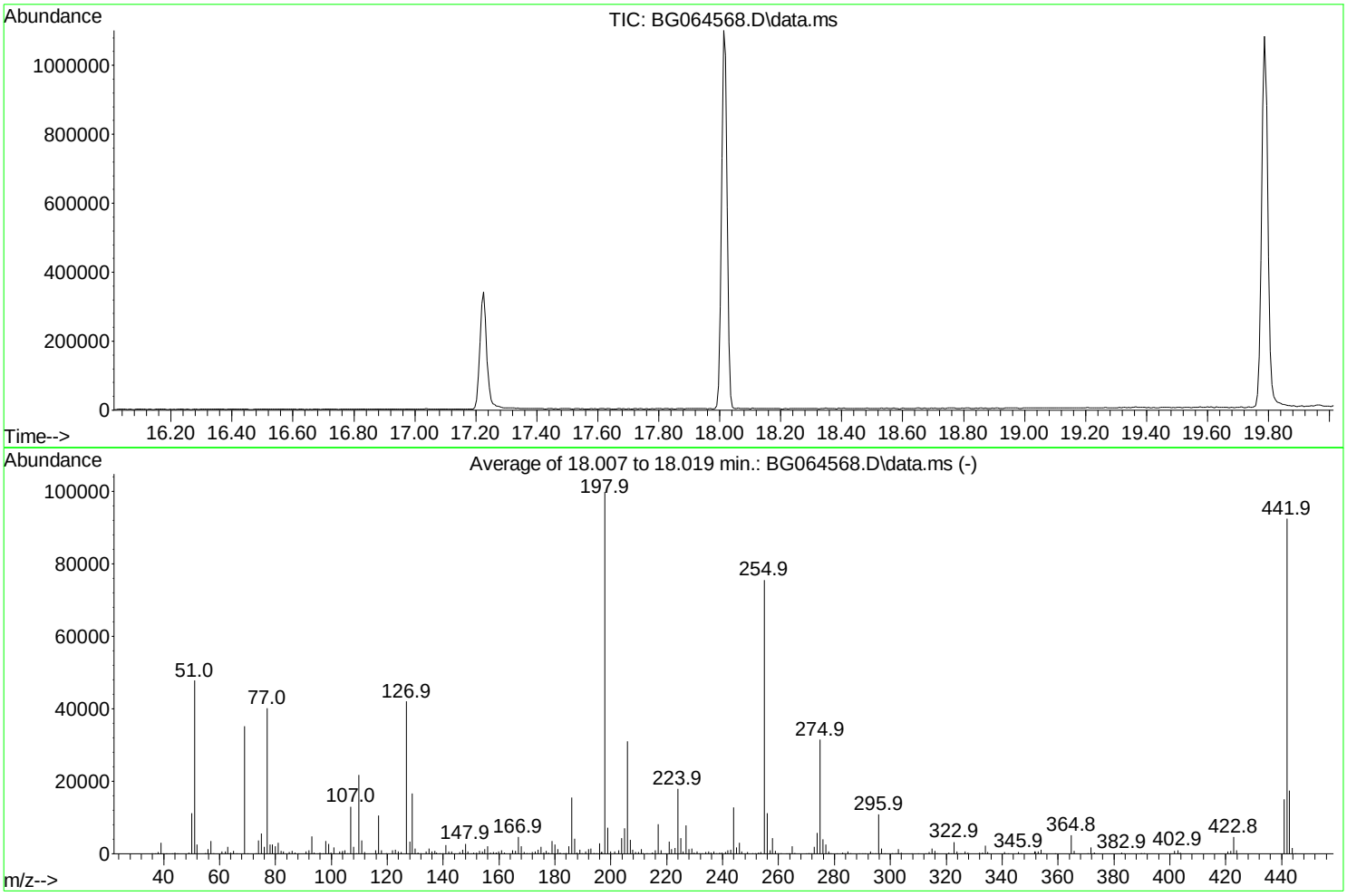
Sample Results: **BG064568.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
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-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



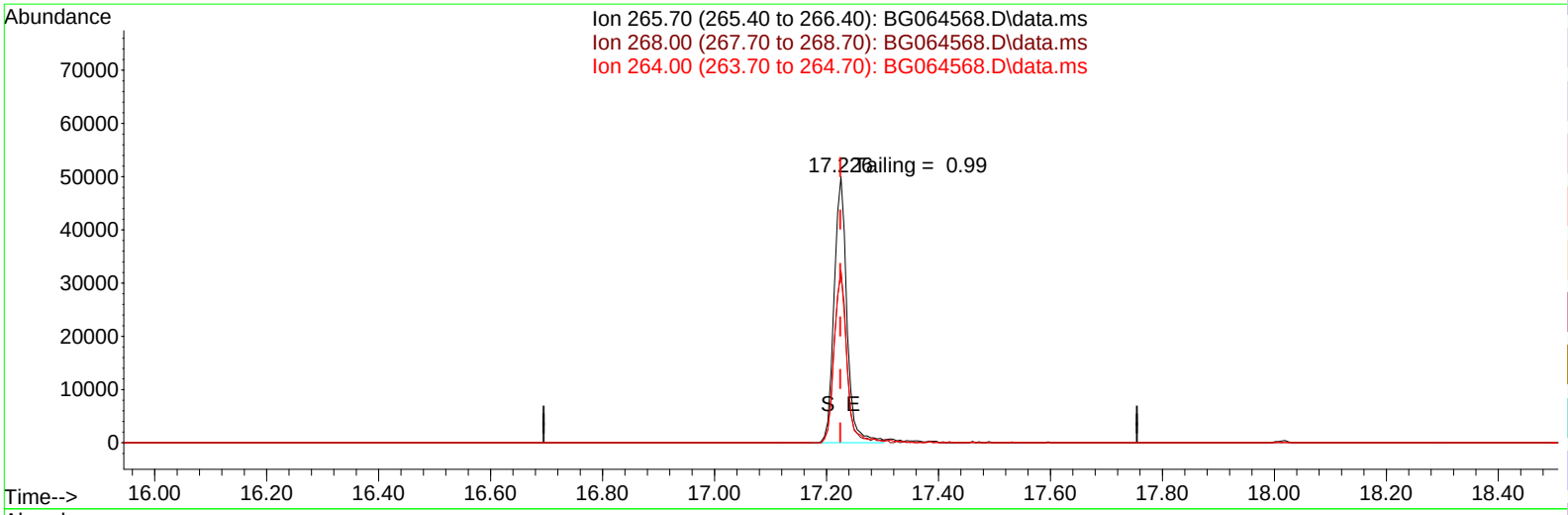
AutoFind: Scans 2539, 2540, 2541; Background Corrected with Scan 2533

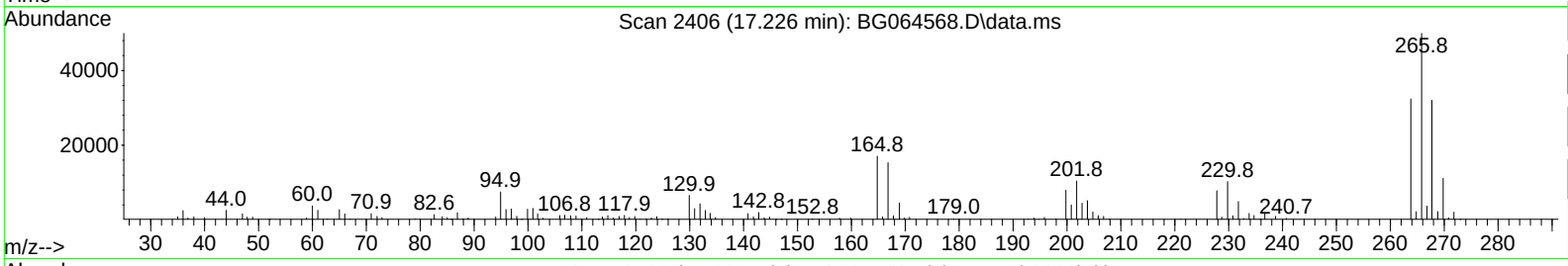
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	35203	PASS
70	69	0.00	2	0.2	70	PASS
197	198	0.00	2	0.4	428	PASS
198	198	100	100	100.0	99864	PASS
199	198	5	9	7.2	7222	PASS
365	198	1	100	5.1	5094	PASS
441	443	0.01	150	86.3	15073	PASS
442	442	100	100	100.0	92525	PASS
443	442	15	24	18.9	17468	PASS

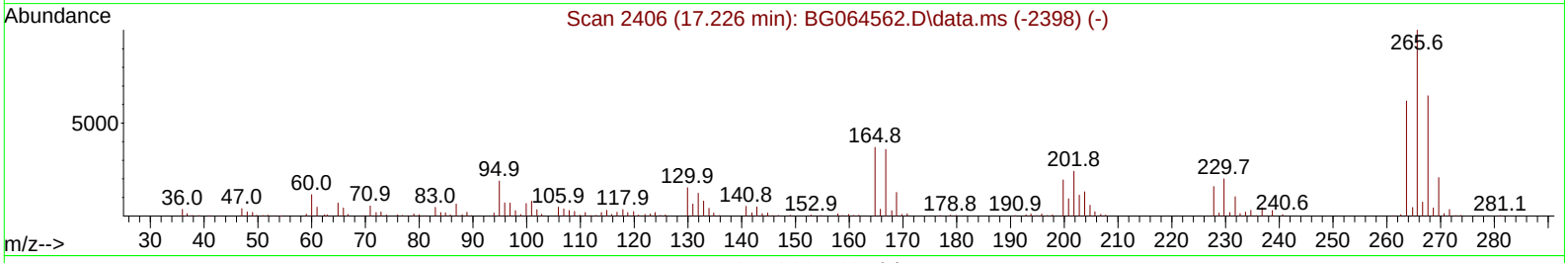
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(70) Pentachlorophenol (C)

17.226min (+ 0.001) 15878.32 ng

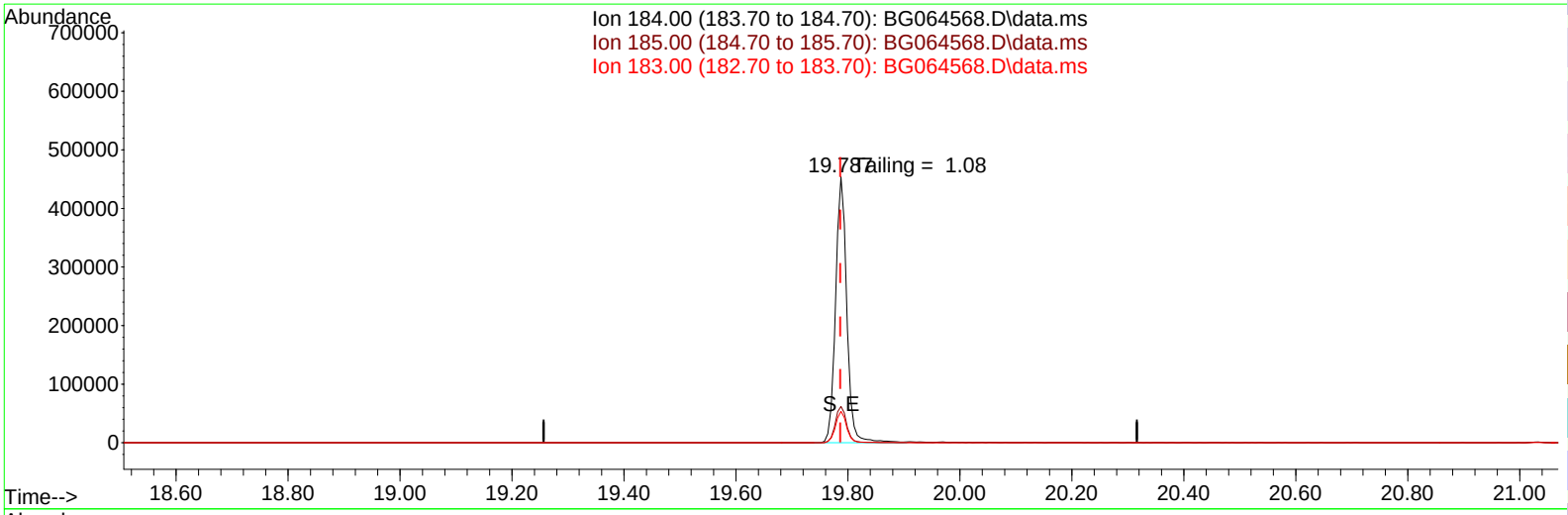
response 79720

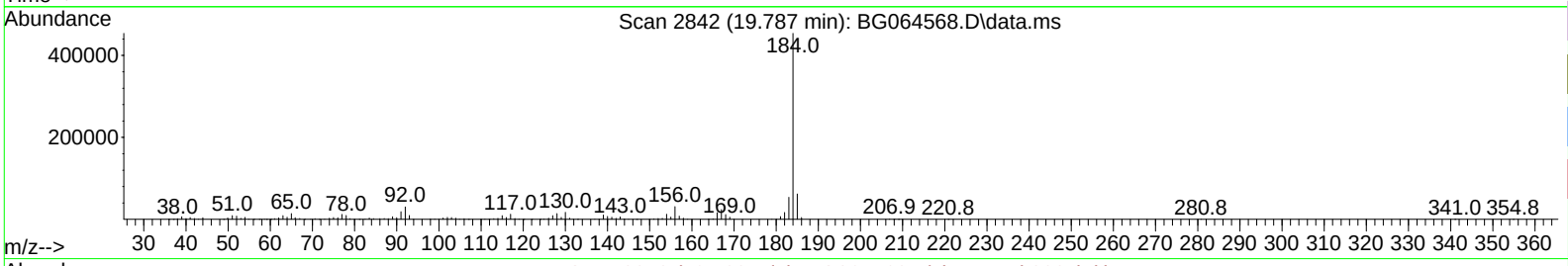
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	69.10	64.11
264.00	61.90	64.80
0.00	0.00	0.00

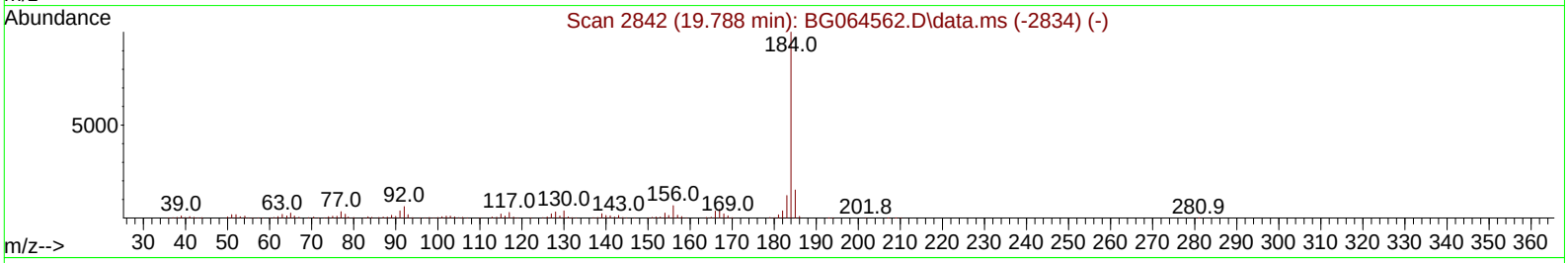
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102425\
Data File : BG064568.D
Acq On : 24 Oct 2025 8:20
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 24 12:18:00 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 12:16:12 2025
Response via : Initial Calibration







TIC: BG064568.D\data.ms

(77) Benzidine

19.787min (+ 0.001) 0.00 ng

response 632825

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.00	13.68
183.00	12.10	11.84
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/24/2025	BNA_G	BG064568.D
Compound Name	**Response**	**Retention Time**
DDT	249894	21.033
DDD	4771	20.586
DDE	827	20.087
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
5598	255492	2.19

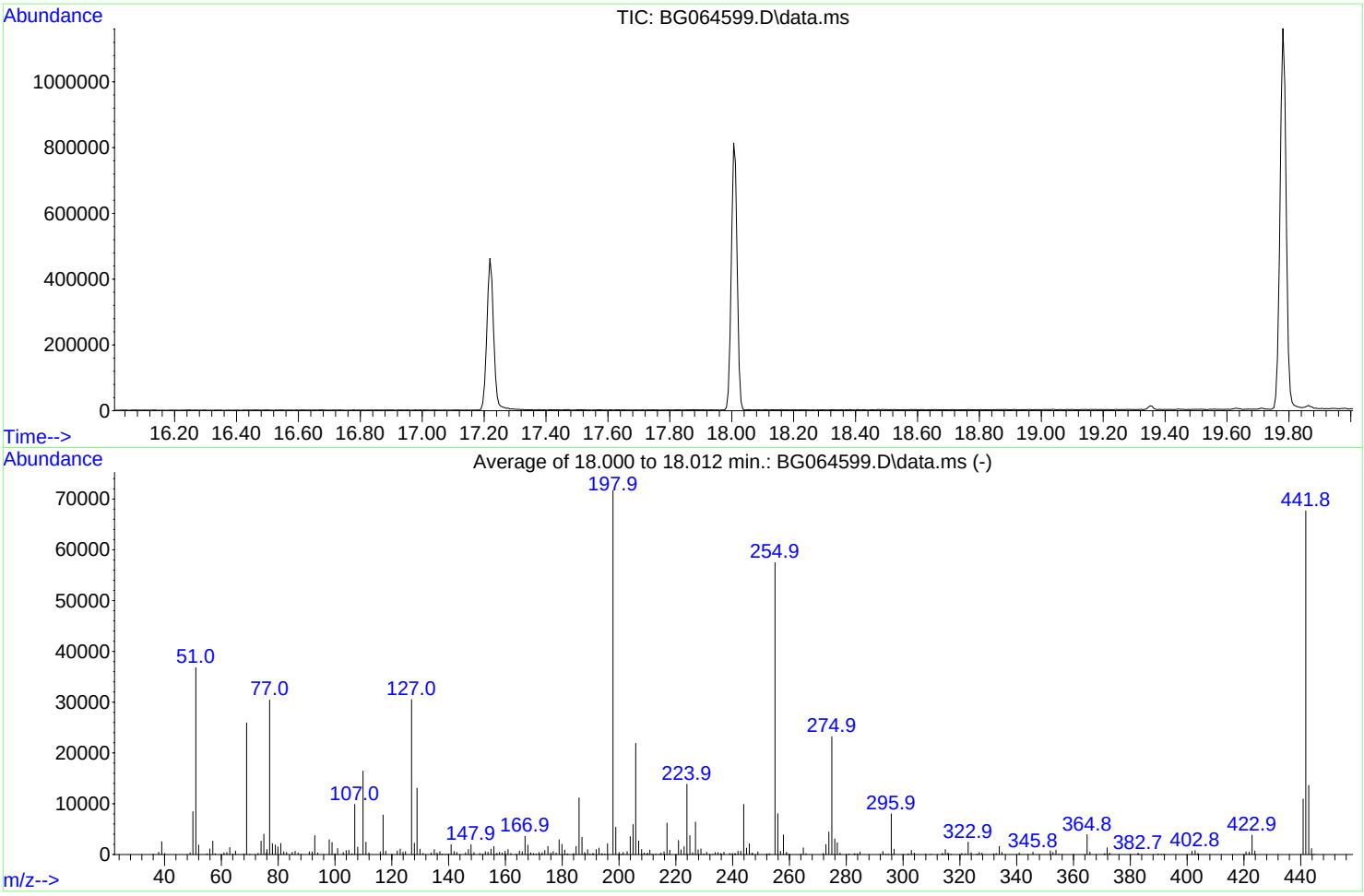
Sample Results: **BG064599.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
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-BG102425.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Oct 24 16:40:26 2025



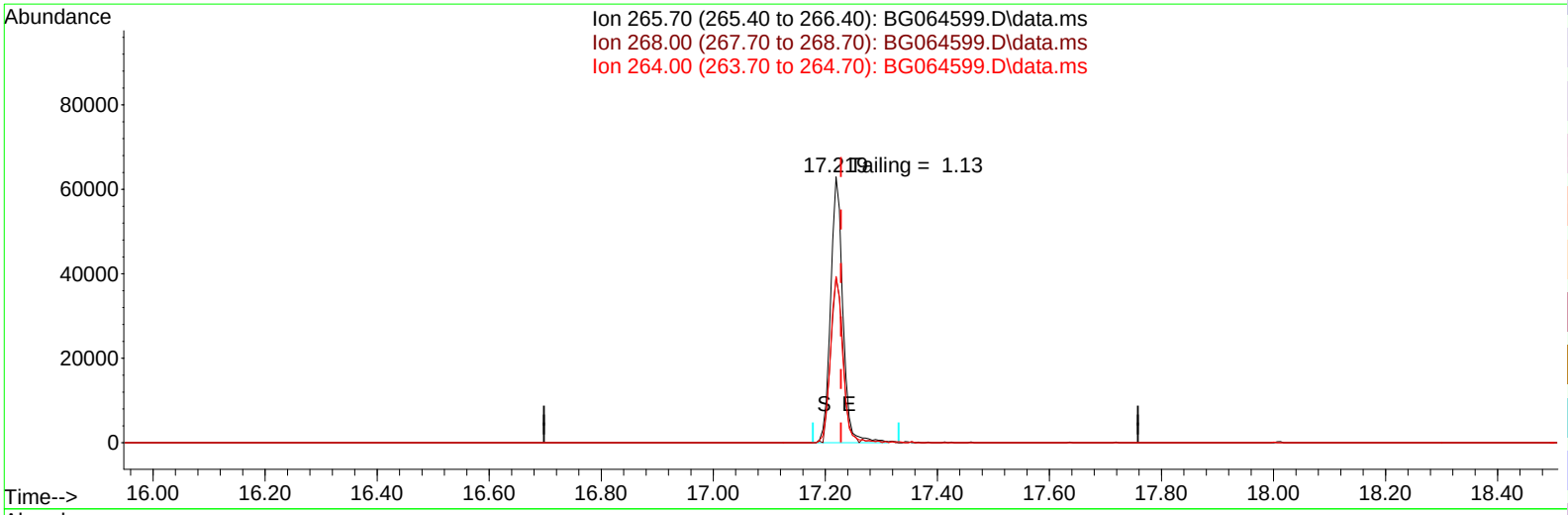
AutoFind: Scans 2538, 2539, 2540; Background Corrected with Scan 2532

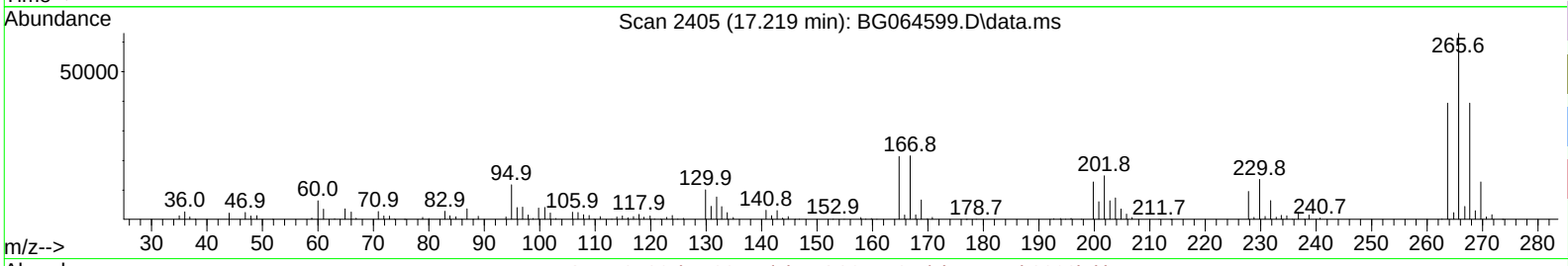
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	0.5	120	PASS
69	69	100	100	100.0	25923	PASS
70	69	0.00	2	0.2	56	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	71661	PASS
199	198	5	9	7.5	5384	PASS
365	198	1	100	5.5	3911	PASS
441	443	0.01	150	80.3	10936	PASS
442	442	100	100	100.0	67661	PASS
443	442	15	24	20.1	13611	PASS

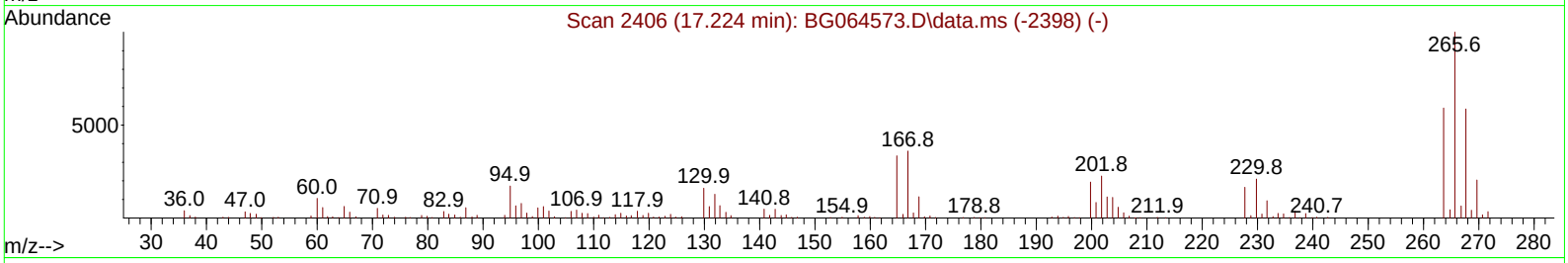
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 28 13:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064599.D\data.ms

(70) Pentachlorophenol (C)

17.219min (-0.009) 17647.50 ng

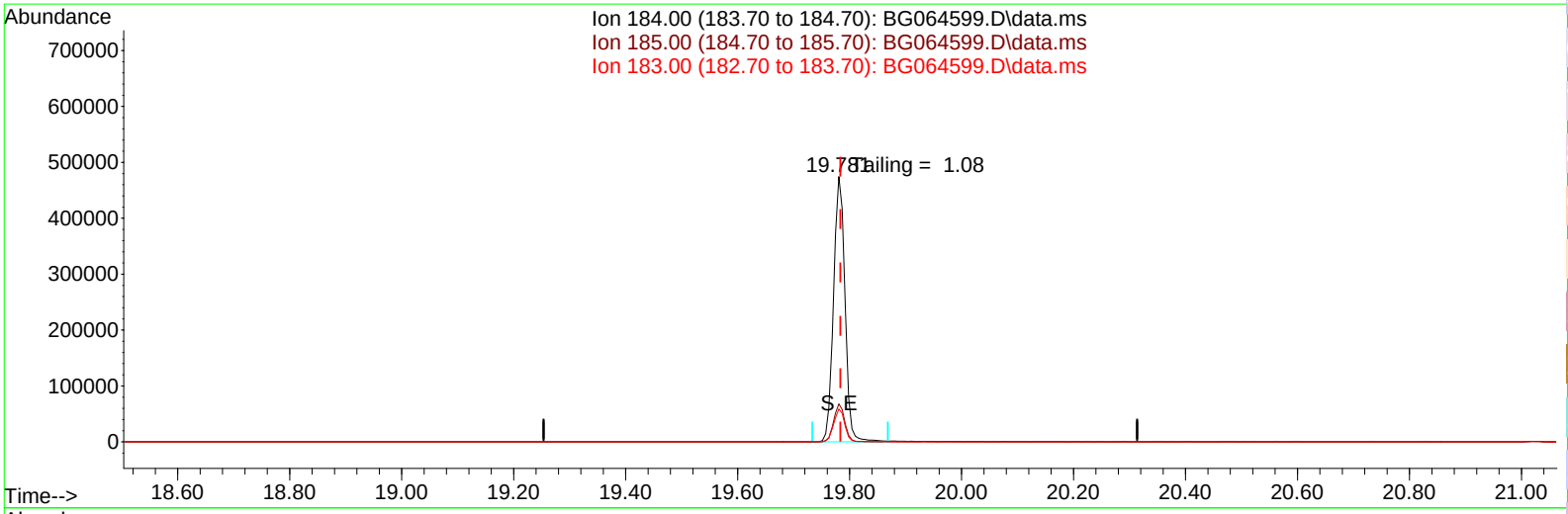
response 95812

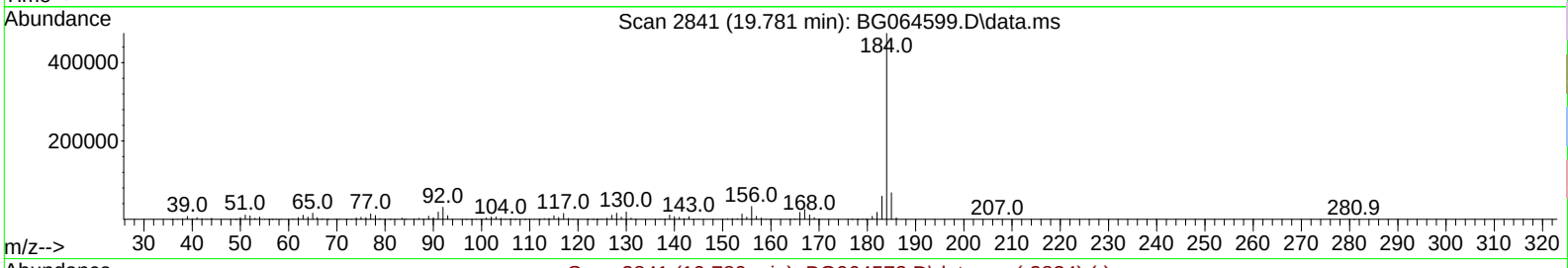
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.90	67.39
264.00	59.10	62.54
0.00	0.00	0.00

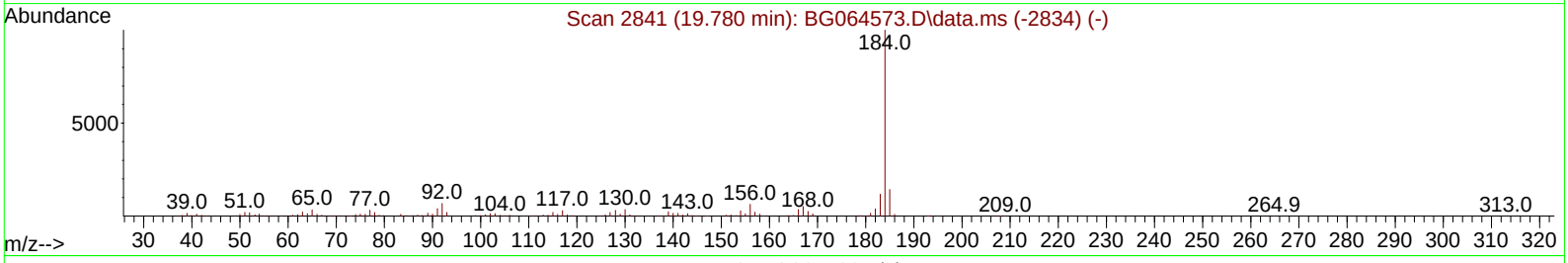
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102825\
Data File : BG064599.D
Acq On : 28 Oct 2025 13:05
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DFTPP

Quant Time: Oct 28 13:46:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 24 16:40:26 2025
Response via : Initial Calibration







TIC: BG064599.D\data.ms

(77) Benzidine

19.781min (-0.003) 0.00 ng

response 671639

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.33
183.00	11.80	12.43
0.00	0.00	0.00

Instrument :
BNA_G
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
10/28/2025	BNA_G	BG064599.D
Compound Name	**Response**	**Retention Time**
DDT	283202	21.02
DDD	2284	20.574
DDE	0	19.706
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2284	285486	0.80

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:	PB170180BL	SDG No.:	Q3376
Lab Sample ID:	PB170180BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/22/25 10:54	PB170180
108-95-2	Phenol	170	U	1	22.1	170	ug/Kg	10/22/25 10:54	PB170180
111-44-4	bis(2-Chloroethyl)ether	170	U	1	24.3	170	ug/Kg	10/22/25 10:54	PB170180
95-57-8	2-Chlorophenol	170	U	1	24.4	170	ug/Kg	10/22/25 10:54	PB170180
95-48-7	2-Methylphenol	170	U	1	29.9	170	ug/Kg	10/22/25 10:54	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	1	37.5	170	ug/Kg	10/22/25 10:54	PB170180
98-86-2	Acetophenone	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
65794-96-9	3+4-Methylphenols	330	U	1	41.1	330	ug/Kg	10/22/25 10:54	PB170180
621-64-7	n-Nitroso-di-n-propylamine	79.9	U	1	47.4	79.9	ug/Kg	10/22/25 10:54	PB170180
67-72-1	Hexachloroethane	170	U	1	17.6	170	ug/Kg	10/22/25 10:54	PB170180
98-95-3	Nitrobenzene	170	U	1	18.3	170	ug/Kg	10/22/25 10:54	PB170180
78-59-1	Isophorone	170	U	1	32.8	170	ug/Kg	10/22/25 10:54	PB170180
88-75-5	2-Nitrophenol	170	U	1	58.2	170	ug/Kg	10/22/25 10:54	PB170180
105-67-9	2,4-Dimethylphenol	170	U	1	64.8	170	ug/Kg	10/22/25 10:54	PB170180
111-91-1	bis(2-Chloroethoxy)methane	170	U	1	30.8	170	ug/Kg	10/22/25 10:54	PB170180
120-83-2	2,4-Dichlorophenol	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
91-20-3	Naphthalene	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
106-47-8	4-Chloroaniline	170	U	1	35.4	170	ug/Kg	10/22/25 10:54	PB170180
87-68-3	Hexachlorobutadiene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
105-60-2	Caprolactam	330	U	1	52.1	330	ug/Kg	10/22/25 10:54	PB170180
59-50-7	4-Chloro-3-methylphenol	170	U	1	28.7	170	ug/Kg	10/22/25 10:54	PB170180
91-57-6	2-Methylnaphthalene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
77-47-4	Hexachlorocyclopentadiene	330	U	1	120	330	ug/Kg	10/22/25 10:54	PB170180
88-06-2	2,4,6-Trichlorophenol	170	U	1	19.8	170	ug/Kg	10/22/25 10:54	PB170180
95-95-4	2,4,5-Trichlorophenol	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
92-52-4	1,1-Biphenyl	170	U	1	21.8	170	ug/Kg	10/22/25 10:54	PB170180
91-58-7	2-Chloronaphthalene	170	U	1	22.5	170	ug/Kg	10/22/25 10:54	PB170180
88-74-4	2-Nitroaniline	170	U	1	48.1	170	ug/Kg	10/22/25 10:54	PB170180
131-11-3	Dimethylphthalate	170	U	1	27.1	170	ug/Kg	10/22/25 10:54	PB170180
208-96-8	Acenaphthylene	170	U	1	28.9	170	ug/Kg	10/22/25 10:54	PB170180
606-20-2	2,6-Dinitrotoluene	170	U	1	33.6	170	ug/Kg	10/22/25 10:54	PB170180
99-09-2	3-Nitroaniline	170	U	1	46.0	170	ug/Kg	10/22/25 10:54	PB170180
83-32-9	Acenaphthene	170	U	1	21.3	170	ug/Kg	10/22/25 10:54	PB170180
51-28-5	2,4-Dinitrophenol	330	U	1	230	330	ug/Kg	10/22/25 10:54	PB170180
100-02-7	4-Nitrophenol	330	U	1	110	330	ug/Kg	10/22/25 10:54	PB170180
132-64-9	Dibenzofuran	170	U	1	22.7	170	ug/Kg	10/22/25 10:54	PB170180
121-14-2	2,4-Dinitrotoluene	170	U	1	50.1	170	ug/Kg	10/22/25 10:54	PB170180
84-66-2	Diethylphthalate	170	U	1	28.3	170	ug/Kg	10/22/25 10:54	PB170180
7005-72-3	4-Chlorophenyl-phenylether	170	U	1	26.7	170	ug/Kg	10/22/25 10:54	PB170180
86-73-7	Fluorene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
100-01-6	4-Nitroaniline	170	U	1	64.2	170	ug/Kg	10/22/25 10:54	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	330	U	1	100	330	ug/Kg	10/22/25 10:54	PB170180

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:	PB170180BL	SDG No.:	Q3376
Lab Sample ID:	PB170180BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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	10/22/25 10:54	PB170180
101-55-3	4-Bromophenyl-phenylether	170	U	1	27.8	170	ug/Kg	10/22/25 10:54	PB170180
118-74-1	Hexachlorobenzene	170	U	1	25.3	170	ug/Kg	10/22/25 10:54	PB170180
1912-24-9	Atrazine	170	U	1	34.0	170	ug/Kg	10/22/25 10:54	PB170180
87-86-5	Pentachlorophenol	330	U	1	51.3	330	ug/Kg	10/22/25 10:54	PB170180
85-01-8	Phenanthrene	170	U	1	20.9	170	ug/Kg	10/22/25 10:54	PB170180
120-12-7	Anthracene	170	U	1	33.3	170	ug/Kg	10/22/25 10:54	PB170180
86-74-8	Carbazole	170	U	1	31.2	170	ug/Kg	10/22/25 10:54	PB170180
84-74-2	Di-n-butylphthalate	170	U	1	47.9	170	ug/Kg	10/22/25 10:54	PB170180
206-44-0	Fluoranthene	170	U	1	30.0	170	ug/Kg	10/22/25 10:54	PB170180
129-00-0	Pyrene	170	U	1	36.0	170	ug/Kg	10/22/25 10:54	PB170180
85-68-7	Butylbenzylphthalate	170	U	1	71.4	170	ug/Kg	10/22/25 10:54	PB170180
91-94-1	3,3-Dichlorobenzidine	330	U	1	36.7	330	ug/Kg	10/22/25 10:54	PB170180
56-55-3	Benzo(a)anthracene	170	U	1	23.0	170	ug/Kg	10/22/25 10:54	PB170180
218-01-9	Chrysene	170	U	1	19.9	170	ug/Kg	10/22/25 10:54	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	1	59.2	170	ug/Kg	10/22/25 10:54	PB170180
117-84-0	Di-n-octyl phthalate	330	U	1	86.7	330	ug/Kg	10/22/25 10:54	PB170180
205-99-2	Benzo(b)fluoranthene	170	U	1	19.0	170	ug/Kg	10/22/25 10:54	PB170180
207-08-9	Benzo(k)fluoranthene	170	U	1	22.4	170	ug/Kg	10/22/25 10:54	PB170180
50-32-8	Benzo(a)pyrene	170	U	1	29.5	170	ug/Kg	10/22/25 10:54	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	170	U	1	29.1	170	ug/Kg	10/22/25 10:54	PB170180
53-70-3	Dibenzo(a,h)anthracene	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180
191-24-2	Benzo(g,h,i)perylene	170	U	1	25.7	170	ug/Kg	10/22/25 10:54	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	170	U	1	25.6	170	ug/Kg	10/22/25 10:54	PB170180
123-91-1	1,4-Dioxane	170	U	1	45.2	170	ug/Kg	10/22/25 10:54	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	1	27.4	170	ug/Kg	10/22/25 10:54	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	130			18 - 112	86%	SPK: 150		
13127-88-3	Phenol-d6	128			15 - 107	85%	SPK: 150		
4165-60-0	Nitrobenzene-d5	97.5			18 - 107	98%	SPK: 100		
321-60-8	2-Fluorobiphenyl	86.5			20 - 109	86%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	136			10 - 116	91%	SPK: 150		
1718-51-0	Terphenyl-d14	102			10 - 105	102%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	133000							
1146-65-2	Naphthalene-d8	516000							
15067-26-2	Acenaphthene-d10	278000							
1517-22-2	Phenanthrene-d10	478000							
1719-03-5	Chrysene-d12	256000							
1520-96-3	Perylene-d12	255000							

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:	PB170180BL	SDG No.:	Q3376
Lab Sample ID:	PB170180BL	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	100
Sample Wt/Vol:	30.02 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Quant Time: Oct 22 12:19:33 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

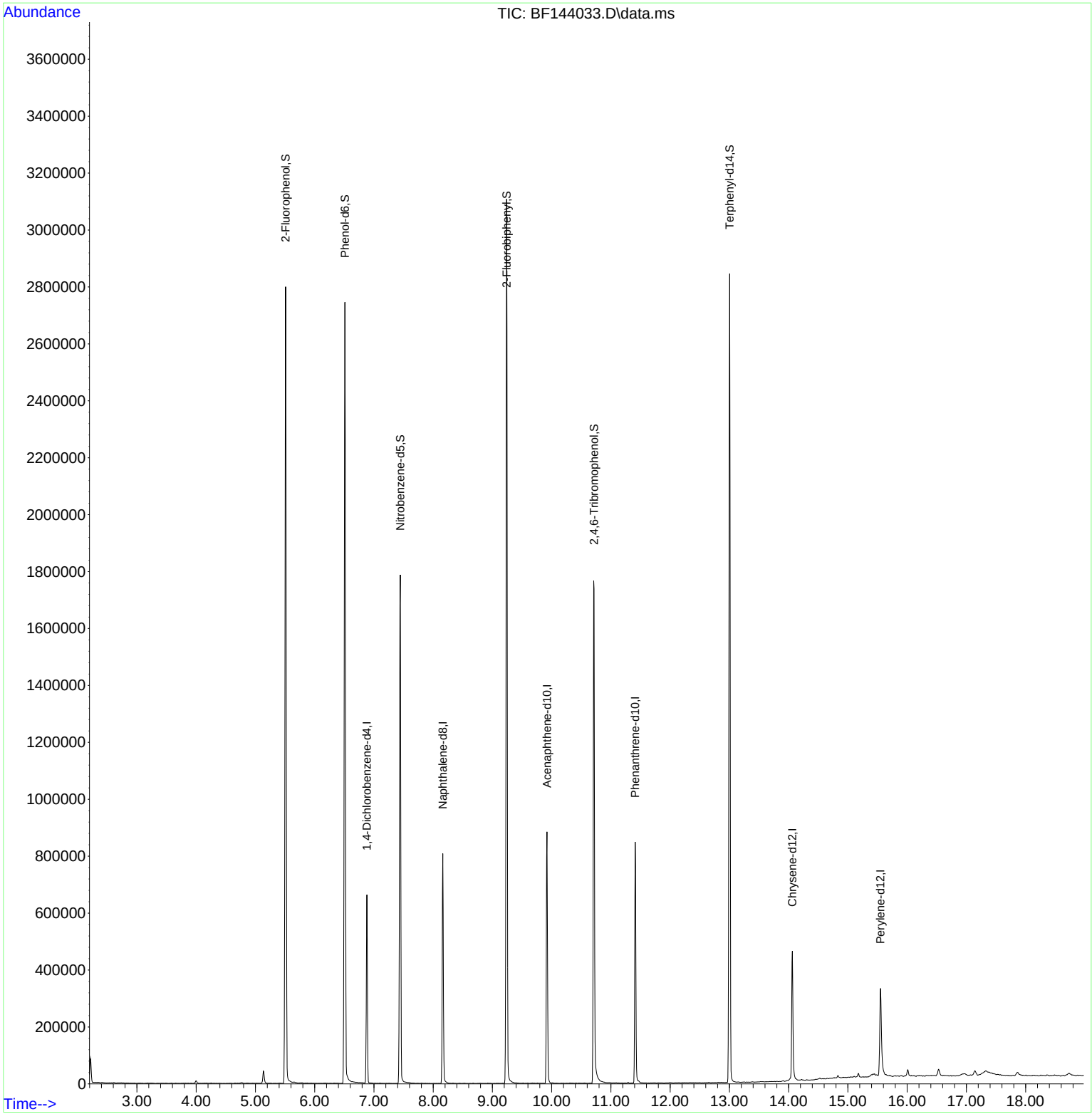
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	133448	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	515654	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	278111	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	477973	20.000	ng	0.00
76) Chrysene-d12	14.063	240	255711	20.000	ng	0.00
86) Perylene-d12	15.551	264	254526	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1090224	129.733	ng	0.01
7) Phenol-d6	6.510	99	1280999	127.886	ng	0.00
23) Nitrobenzene-d5	7.445	82	827633	97.512	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	376350	135.864	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1515939	86.491	ng	-0.01
79) Terphenyl-d14	13.004	244	1526595	102.032	ng	0.00
Target Compounds						Qvalue

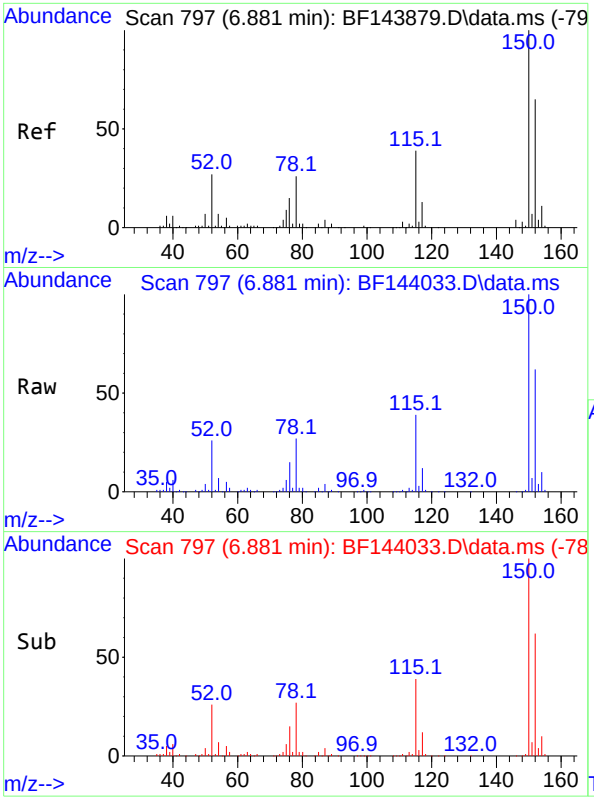
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Quant Time: Oct 22 12:19:33 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



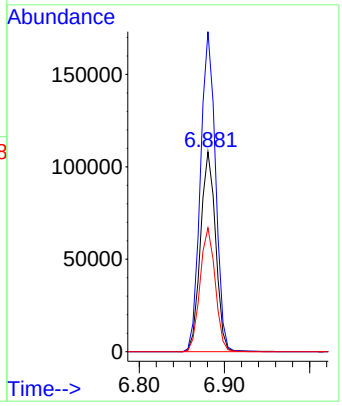


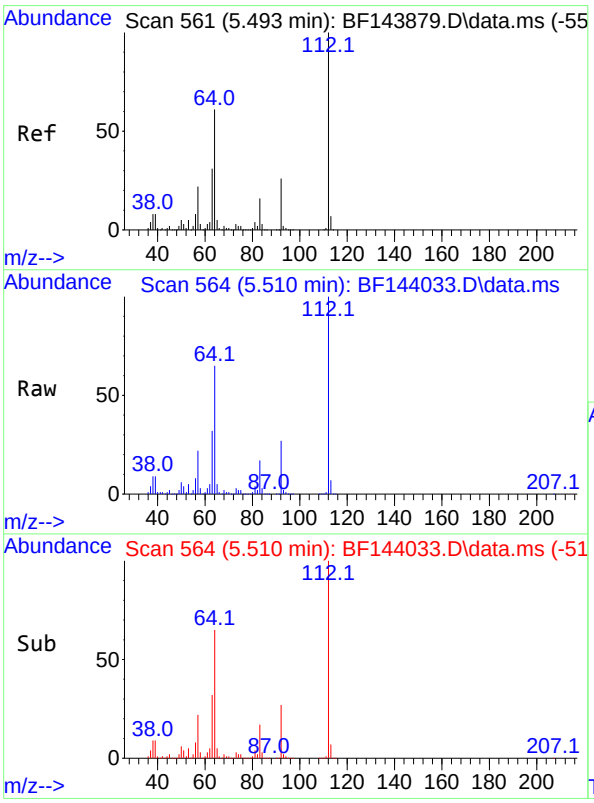
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Tgt Ion:152 Resp: 133448

Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.4	186.6
115	62.0	48.1	72.1

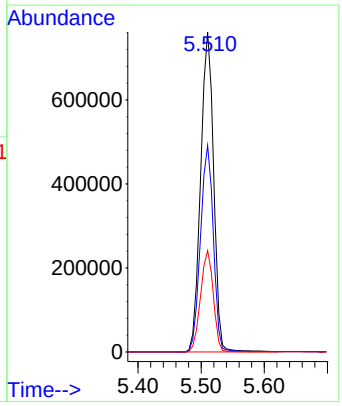


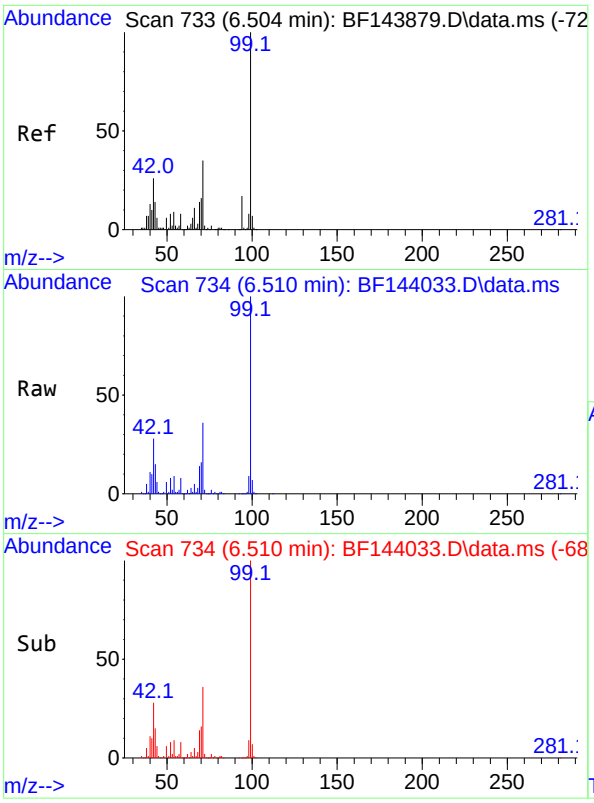


#5
2-Fluorophenol
Concen: 129.733 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.012 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:112 Resp: 1090224

Ion	Ratio	Lower	Upper
112	100		
64	64.6	49.1	73.7
63	31.6	24.5	36.7



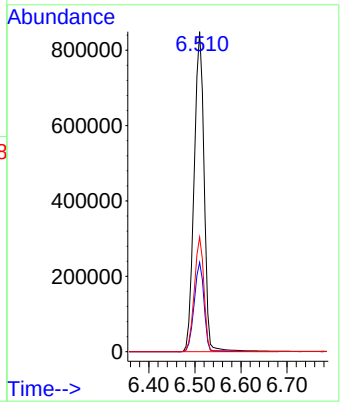


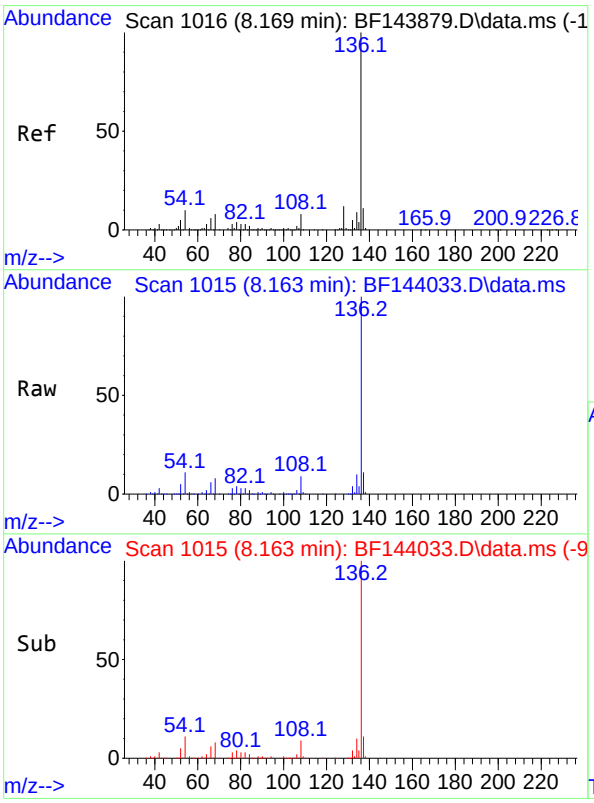
#7
Phenol-d6
Concen: 127.886 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Tgt Ion: 99 Resp: 1280999

Ion	Ratio	Lower	Upper
99	100		
42	27.9	21.0	31.4
71	35.8	27.8	41.8

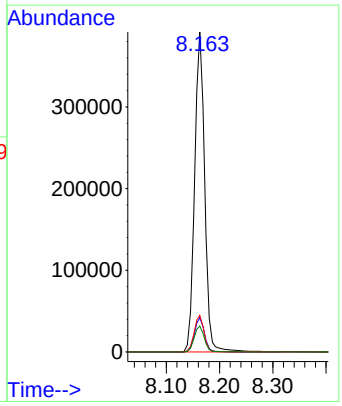


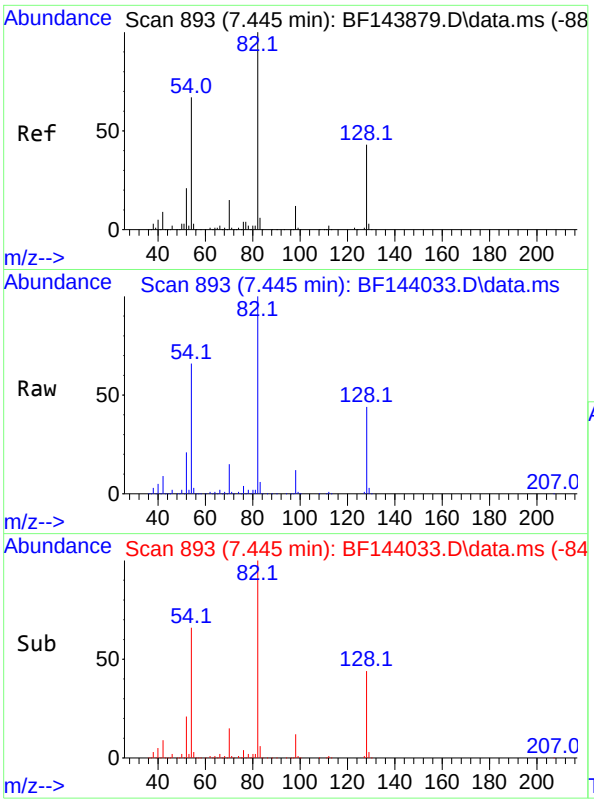


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:136 Resp: 515654

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	11.5	8.2	12.4
68	8.1	6.2	9.4



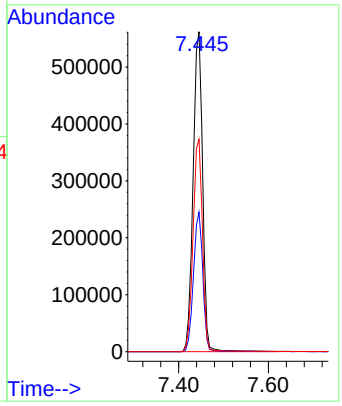


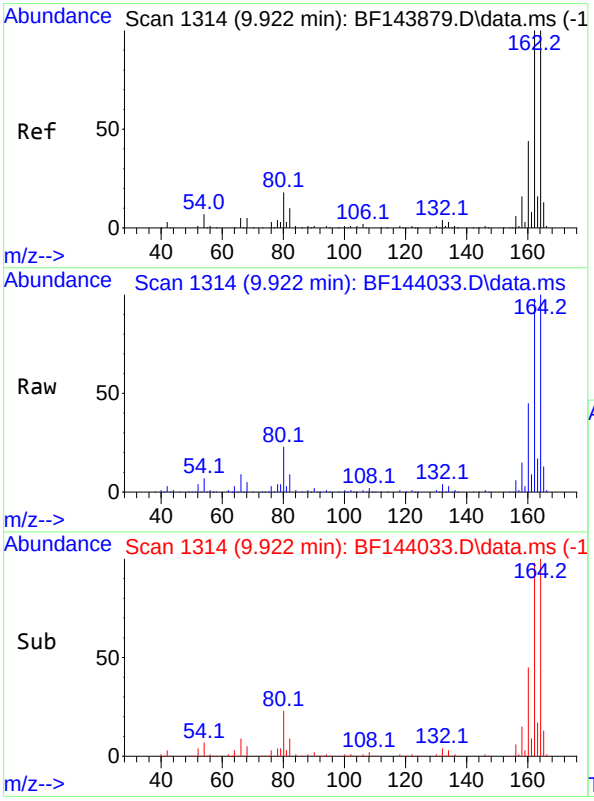
#23
Nitrobenzene-d5
Concen: 97.512 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Tgt Ion: 82 Resp: 827633

Ion	Ratio	Lower	Upper
82	100		
128	43.5	34.0	51.0
54	66.3	53.2	79.8

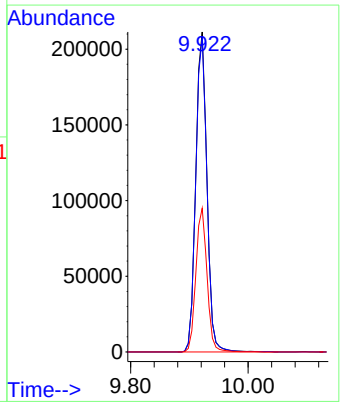


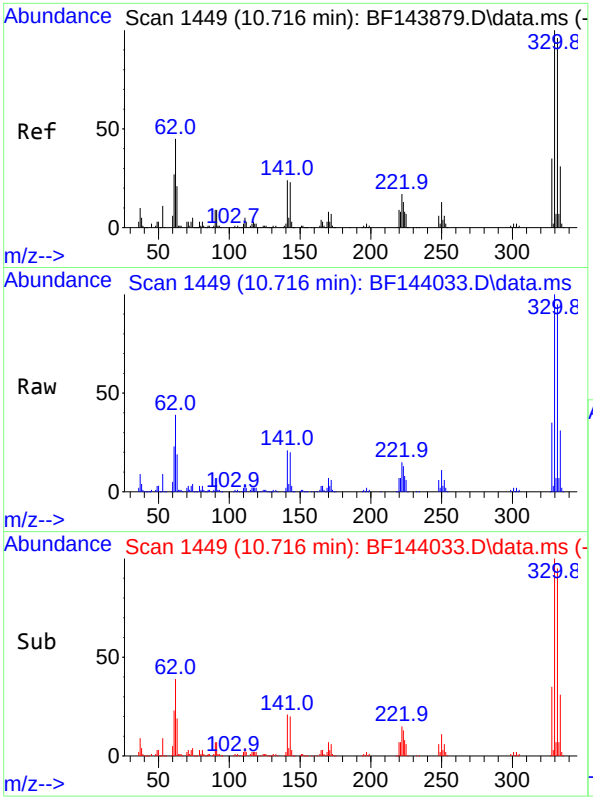


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:164 Resp: 278111

Ion	Ratio	Lower	Upper
164	100		
162	98.3	80.2	120.2
160	44.9	35.4	53.0



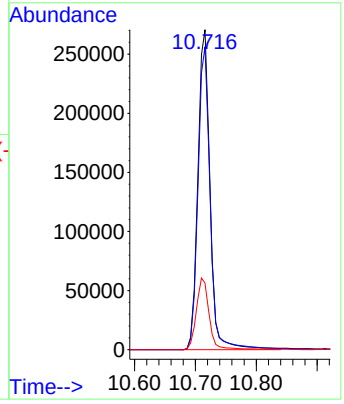


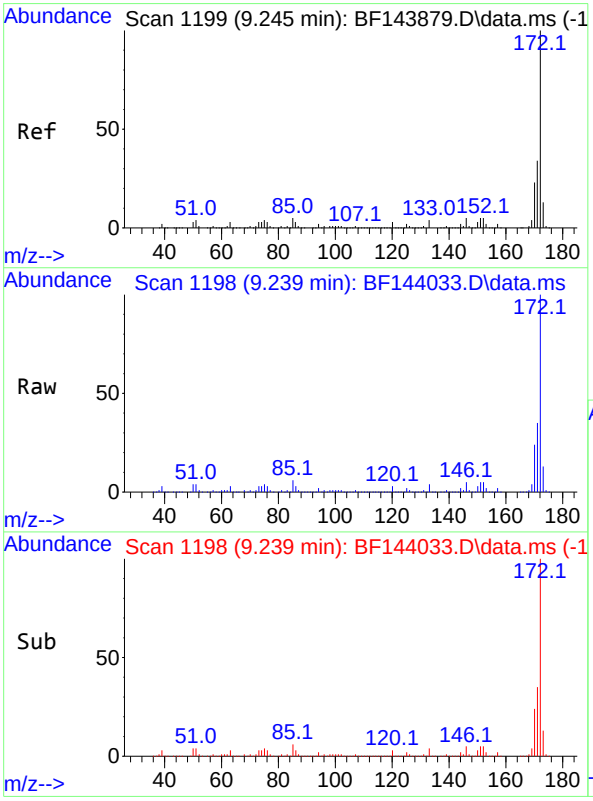
#42
2,4,6-Tribromophenol
Concen: 135.864 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Tgt Ion:330 Resp: 376350

Ion	Ratio	Lower	Upper
330	100		
332	95.1	76.9	115.3
141	23.6	20.2	30.4

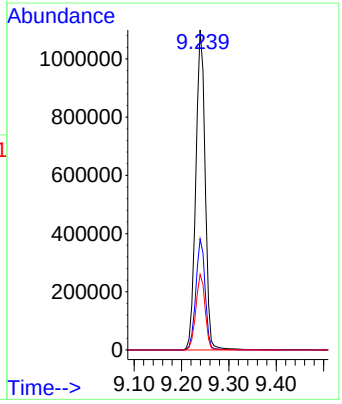


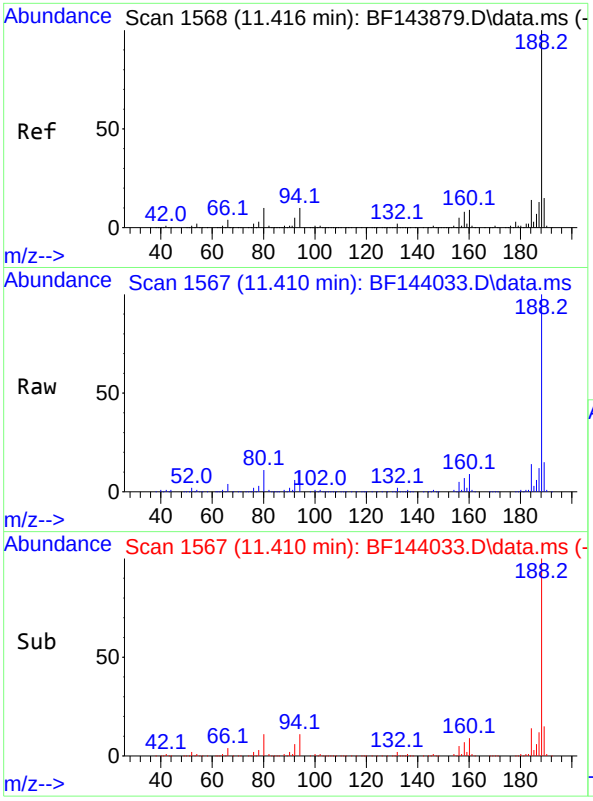


#45
2-Fluorobiphenyl
Concen: 86.491 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:172 Resp: 1515939

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.4	41.0
170	23.6	18.6	28.0



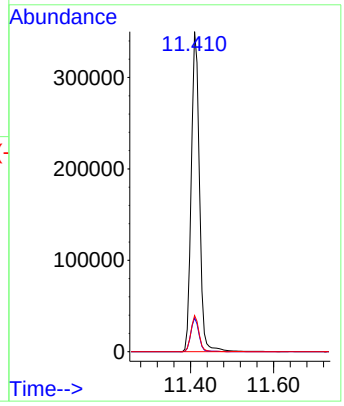


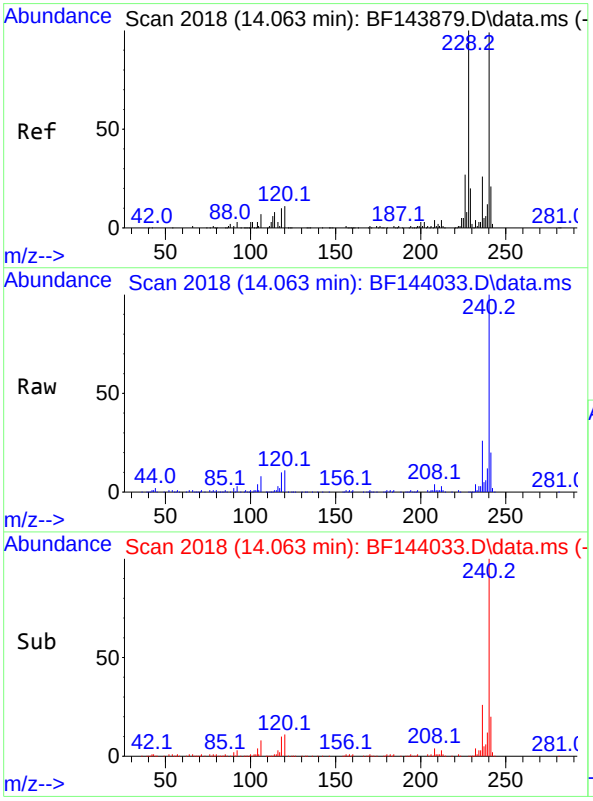
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Tgt Ion:188 Resp: 477973

Ion	Ratio	Lower	Upper
188	100		
94	10.6	7.8	11.6
80	11.3	7.9	11.9

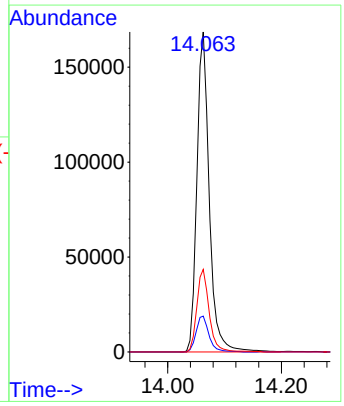


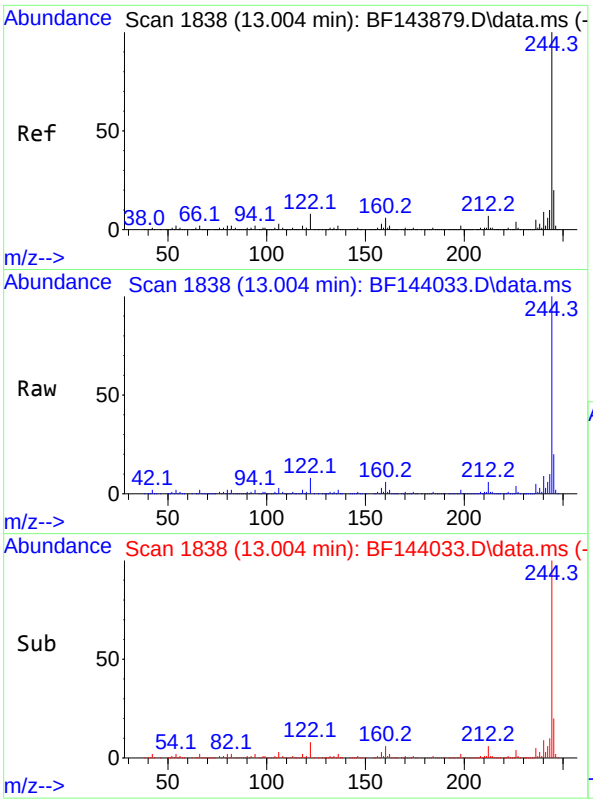


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:240 Resp: 255711

Ion	Ratio	Lower	Upper
240	100		
120	11.2	8.6	13.0
236	25.8	21.1	31.7



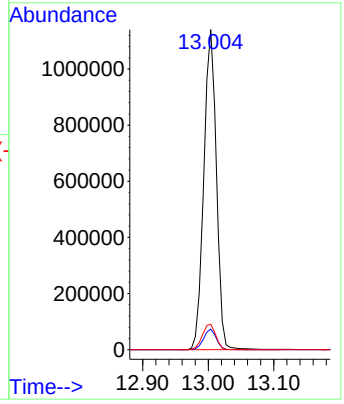


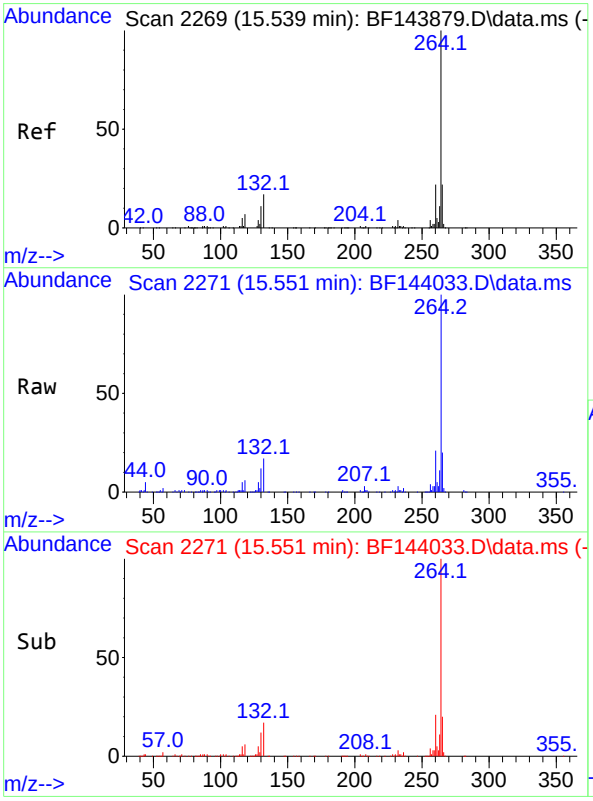
#79
Terphenyl-d14
Concen: 102.032 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Instrument :
BNA_F
ClientSampleId :
PB170180BL

Tgt Ion:244 Resp: 1526595

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	7.9	6.4	9.6

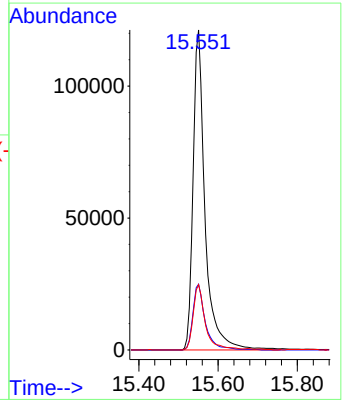




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF144033.D
Acq: 22 Oct 2025 10:54

Tgt Ion:264 Resp: 254526

Ion	Ratio	Lower	Upper
264	100		
260	20.5	17.8	26.8
265	20.4	17.5	26.3



Sample Results: **BF144033.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

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: BF144033.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.134	491	500	512	rBV	42555	75666	1.78%	0.282%
2	5.510	557	564	569	rBV	2798614	3929297	92.63%	14.654%
3	6.510	727	734	739	rBV	2744335	4017647	94.71%	14.983%
4	6.881	792	797	802	rBV	661520	811019	19.12%	3.025%
5	7.445	886	893	898	rBV	1786968	2582645	60.88%	9.632%
6	8.163	1009	1015	1035	rBV	807533	1058043	24.94%	3.946%
7	9.239	1191	1198	1221	rBV	3106944	4241901	100.00%	15.820%
8	9.922	1308	1314	1326	rBV	883868	1167215	27.52%	4.353%
9	10.710	1443	1448	1477	rBV	1765309	2615350	61.66%	9.754%
10	11.410	1562	1567	1575	rBV	846774	1137378	26.81%	4.242%
11	13.004	1832	1838	1843	rBV	2840763	3816236	89.97%	14.232%
12	14.063	2007	2018	2033	rBV	454107	721567	17.01%	2.691%
13	15.551	2264	2271	2286	rBV	306273	639998	15.09%	2.387%

Sum of corrected areas: 26813962

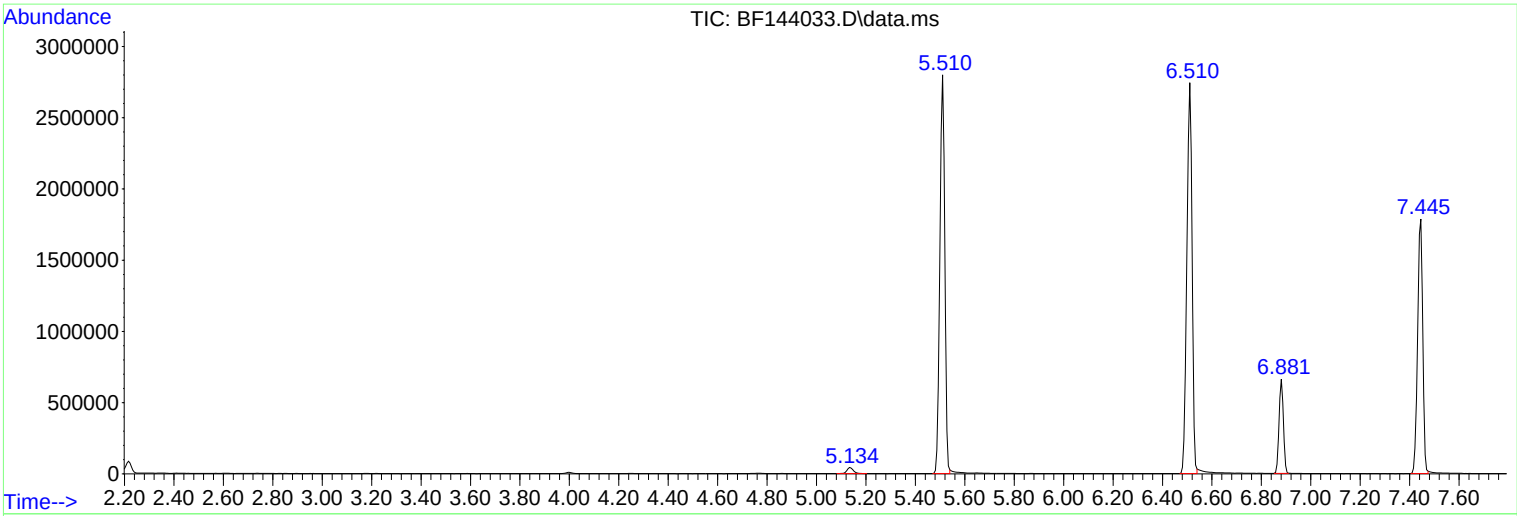
Sample Results: **BF144033.D**

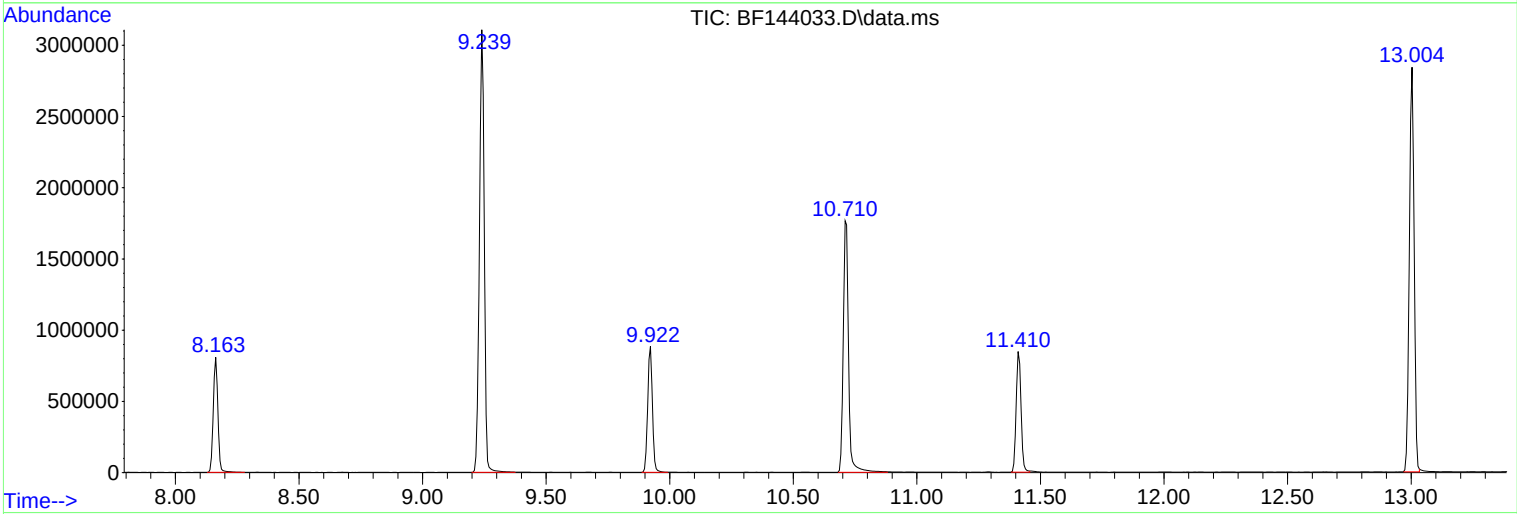
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

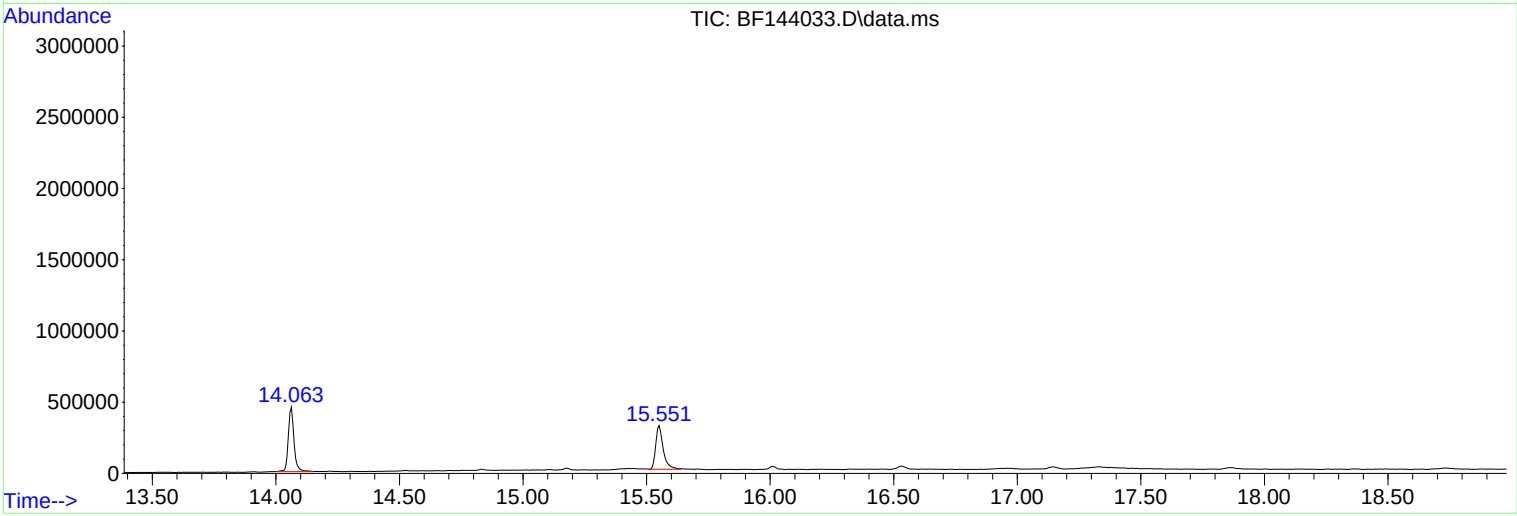
Instrument :
BNA_F
ClientSampleId :
PB170180BL

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\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

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

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144033.D
Acq On : 22 Oct 2025 10:54
Operator : RC/JU
Sample : PB170180BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB170180BL

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

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:	PB170180BS	SDG No.:	Q3376
Lab Sample ID:	PB170180BS	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 :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	880		1	160	330	ug/Kg	10/22/25 11:23	PB170180
108-95-2	Phenol	1400		1	22.1	170	ug/Kg	10/22/25 11:23	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	24.3	170	ug/Kg	10/22/25 11:23	PB170180
95-57-8	2-Chlorophenol	1500		1	24.4	170	ug/Kg	10/22/25 11:23	PB170180
95-48-7	2-Methylphenol	1500		1	29.9	170	ug/Kg	10/22/25 11:23	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	37.5	170	ug/Kg	10/22/25 11:23	PB170180
98-86-2	Acetophenone	1600		1	29.5	170	ug/Kg	10/22/25 11:23	PB170180
65794-96-9	3+4-Methylphenols	1400		1	41.1	330	ug/Kg	10/22/25 11:23	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	47.4	79.9	ug/Kg	10/22/25 11:23	PB170180
67-72-1	Hexachloroethane	1500		1	17.6	170	ug/Kg	10/22/25 11:23	PB170180
98-95-3	Nitrobenzene	1500		1	18.3	170	ug/Kg	10/22/25 11:23	PB170180
78-59-1	Isophorone	1500		1	32.8	170	ug/Kg	10/22/25 11:23	PB170180
88-75-5	2-Nitrophenol	1800		1	58.1	170	ug/Kg	10/22/25 11:23	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	64.7	170	ug/Kg	10/22/25 11:23	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	30.8	170	ug/Kg	10/22/25 11:23	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
91-20-3	Naphthalene	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
106-47-8	4-Chloroaniline	780		1	35.4	170	ug/Kg	10/22/25 11:23	PB170180
87-68-3	Hexachlorobutadiene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
105-60-2	Caprolactam	1500		1	52.0	330	ug/Kg	10/22/25 11:23	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	28.7	170	ug/Kg	10/22/25 11:23	PB170180
91-57-6	2-Methylnaphthalene	1300		1	25.6	170	ug/Kg	10/22/25 11:23	PB170180
77-47-4	Hexachlorocyclopentadiene	3300	E	1	120	330	ug/Kg	10/22/25 11:23	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	19.8	170	ug/Kg	10/22/25 11:23	PB170180
95-95-4	2,4,5-Trichlorophenol	1400		1	29.1	170	ug/Kg	10/22/25 11:23	PB170180
92-52-4	1,1-Biphenyl	1600		1	21.8	170	ug/Kg	10/22/25 11:23	PB170180
91-58-7	2-Chloronaphthalene	1500		1	22.5	170	ug/Kg	10/22/25 11:23	PB170180
88-74-4	2-Nitroaniline	1600		1	48.1	170	ug/Kg	10/22/25 11:23	PB170180
131-11-3	Dimethylphthalate	1500		1	27.1	170	ug/Kg	10/22/25 11:23	PB170180
208-96-8	Acenaphthylene	1700		1	28.9	170	ug/Kg	10/22/25 11:23	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	33.6	170	ug/Kg	10/22/25 11:23	PB170180
99-09-2	3-Nitroaniline	1100		1	46.0	170	ug/Kg	10/22/25 11:23	PB170180
83-32-9	Acenaphthene	1500		1	21.3	170	ug/Kg	10/22/25 11:23	PB170180
51-28-5	2,4-Dinitrophenol	2600		1	230	330	ug/Kg	10/22/25 11:23	PB170180
100-02-7	4-Nitrophenol	2600		1	110	330	ug/Kg	10/22/25 11:23	PB170180
132-64-9	Dibenzofuran	1400		1	22.7	170	ug/Kg	10/22/25 11:23	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	50.0	170	ug/Kg	10/22/25 11:23	PB170180
84-66-2	Diethylphthalate	1500		1	28.3	170	ug/Kg	10/22/25 11:23	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1500		1	26.7	170	ug/Kg	10/22/25 11:23	PB170180
86-73-7	Fluorene	1500		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
100-01-6	4-Nitroaniline	1500		1	64.1	170	ug/Kg	10/22/25 11:23	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	100	330	ug/Kg	10/22/25 11:23	PB170180

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:	PB170180BS			SDG No.:	Q3376
Lab Sample ID:	PB170180BS			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 :	SW3510C	Prep Date:	10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1500		1	32.9	170	ug/Kg	10/22/25 11:23	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	27.8	170	ug/Kg	10/22/25 11:23	PB170180
118-74-1	Hexachlorobenzene	1400		1	25.3	170	ug/Kg	10/22/25 11:23	PB170180
1912-24-9	Atrazine	1600		1	34.0	170	ug/Kg	10/22/25 11:23	PB170180
87-86-5	Pentachlorophenol	2400		1	51.2	330	ug/Kg	10/22/25 11:23	PB170180
85-01-8	Phenanthrene	1500		1	20.9	170	ug/Kg	10/22/25 11:23	PB170180
120-12-7	Anthracene	1500		1	33.3	170	ug/Kg	10/22/25 11:23	PB170180
86-74-8	Carbazole	1500		1	31.2	170	ug/Kg	10/22/25 11:23	PB170180
84-74-2	Di-n-butylphthalate	1500		1	47.9	170	ug/Kg	10/22/25 11:23	PB170180
206-44-0	Fluoranthene	1400		1	30.0	170	ug/Kg	10/22/25 11:23	PB170180
129-00-0	Pyrene	1600		1	36.0	170	ug/Kg	10/22/25 11:23	PB170180
85-68-7	Butylbenzylphthalate	1700		1	71.3	170	ug/Kg	10/22/25 11:23	PB170180
91-94-1	3,3-Dichlorobenzidine	1100		1	36.7	330	ug/Kg	10/22/25 11:23	PB170180
56-55-3	Benzo(a)anthracene	1500		1	23.0	170	ug/Kg	10/22/25 11:23	PB170180
218-01-9	Chrysene	1600		1	19.9	170	ug/Kg	10/22/25 11:23	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1600		1	59.1	170	ug/Kg	10/22/25 11:23	PB170180
117-84-0	Di-n-octyl phthalate	1600		1	86.7	330	ug/Kg	10/22/25 11:23	PB170180
205-99-2	Benzo(b)fluoranthene	1400		1	19.0	170	ug/Kg	10/22/25 11:23	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	22.4	170	ug/Kg	10/22/25 11:23	PB170180
50-32-8	Benzo(a)pyrene	1600		1	29.5	170	ug/Kg	10/22/25 11:23	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1900		1	29.1	170	ug/Kg	10/22/25 11:23	PB170180
53-70-3	Dibenzo(a,h)anthracene	1900		1	27.4	170	ug/Kg	10/22/25 11:23	PB170180
191-24-2	Benzo(g,h,i)perylene	1900		1	25.7	170	ug/Kg	10/22/25 11:23	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		1	25.6	170	ug/Kg	10/22/25 11:23	PB170180
123-91-1	1,4-Dioxane	1300		1	45.2	170	ug/Kg	10/22/25 11:23	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1500		1	27.4	170	ug/Kg	10/22/25 11:23	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	116			18 - 112	78%	SPK: 150		
13127-88-3	Phenol-d6	118			15 - 107	79%	SPK: 150		
4165-60-0	Nitrobenzene-d5	87.1			18 - 107	87%	SPK: 100		
321-60-8	2-Fluorobiphenyl	79.6			20 - 109	80%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	127			10 - 116	85%	SPK: 150		
1718-51-0	Terphenyl-d14	95.9			10 - 105	96%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	120000							
1146-65-2	Naphthalene-d8	460000							
15067-26-2	Acenaphthene-d10	247000							
1517-22-2	Phenanthrene-d10	410000							
1719-03-5	Chrysene-d12	219000							
1520-96-3	Perylene-d12	214000							

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:	PB170180BS	SDG No.:	Q3376
Lab Sample ID:	PB170180BS	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 :	SW3510C Prep Date: 10/21/25		

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\BF102225\
Data File : BF144034.D
Acq On : 22 Oct 2025 11:23
Operator : RC/JU
Sample : PB170180BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 12:19:49 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 :
PB170180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.881	152	119718	20.000	ng		0.00
21) Naphthalene-d8	8.163	136	459704	20.000	ng		0.00
39) Acenaphthene-d10	9.922	164	246572	20.000	ng		0.00
64) Phenanthrene-d10	11.416	188	409864	20.000	ng		0.00
76) Chrysene-d12	14.062	240	219056	20.000	ng		0.00
86) Perylene-d12	15.545	264	213561	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	877798	116.435	ng		0.01
7) Phenol-d6	6.510	99	1064752	118.488	ng		0.00
23) Nitrobenzene-d5	7.445	82	658921	87.083	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	311869	126.987	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	1236577	79.576	ng		-0.01
79) Terphenyl-d14	13.004	244	1229329	95.912	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	135824	38.933	ng		96
3) Pyridine	3.493	79	383553	37.766	ng		97
4) n-Nitrosodimethylamine	3.446	42	231413	43.315	ng		96
6) Aniline	6.545	93	463085	34.390	ng		97
8) 2-Chlorophenol	6.669	128	323383	43.882	ng		98
9) Benzaldehyde	6.434	77	184183	26.570	ng		100
10) Phenol	6.528	94	465127	43.295	ng		96
11) bis(2-Chloroethyl)ether	6.616	93	363582	43.811	ng		98
12) 1,3-Dichlorobenzene	6.822	146	385966	43.754	ng		98
13) 1,4-Dichlorobenzene	6.898	146	391013	44.937	ng		99
14) 1,2-Dichlorobenzene	7.051	146	376415	45.163	ng		99
15) Benzyl Alcohol	7.022	79	308936	45.884	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	836420	44.278	ng		99
17) 2-Methylphenol	7.134	107	270072	44.345	ng		98
18) Hexachloroethane	7.392	117	129818	44.736	ng		97
19) n-Nitroso-di-n-propyla...	7.292	70	259383	42.169	ng		95
20) 3+4-Methylphenols	7.286	107	299684	42.457	ng	#	74
22) Acetophenone	7.292	105	465580	47.899	ng		98
24) Nitrobenzene	7.463	77	380006	45.224	ng		98
25) Isophorone	7.704	82	695716	43.606	ng		98
26) 2-Nitrophenol	7.781	139	191765	53.231	ng		95
27) 2,4-Dimethylphenol	7.816	122	311248	48.029	ng		99
28) bis(2-Chloroethoxy)met...	7.910	93	446575	44.311	ng		99
29) 2,4-Dichlorophenol	8.022	162	293698	43.509	ng		98
30) 1,2,4-Trichlorobenzene	8.104	180	300150	45.212	ng		98
31) Naphthalene	8.186	128	900753	43.074	ng		99
32) Benzoic acid	7.945	122	210289	46.887	ng		95
33) 4-Chloroaniline	8.233	127	184345	23.505	ng		98
34) Hexachlorobutadiene	8.304	225	201469	43.672	ng		99
35) Caprolactam	8.604	113	98243m	45.773	ng		
36) 4-Chloro-3-methylphenol	8.716	107	281138	43.358	ng		99
37) 2-Methylnaphthalene	8.880	142	553486	39.734	ng		100
38) 1-Methylnaphthalene	8.980	142	561229	41.537	ng		100
40) 1,2,4,5-Tetrachloroben...	9.045	216	327097	47.997	ng		98
41) Hexachlorocyclopentadiene	9.033	237	280053	99.056	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	221755	44.535	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144034.D
Acq On : 22 Oct 2025 11:23
Operator : RC/JU
Sample : PB170180BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 22 12:19:49 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 :
PB170180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	229126	43.543	ng		99
46) 1,1'-Biphenyl	9.345	154	773525	47.382	ng		98
47) 2-Chloronaphthalene	9.369	162	601901	44.221	ng		97
48) 2-Nitroaniline	9.463	65	208448	48.439	ng		100
49) Acenaphthylene	9.786	152	948248	49.554	ng		100
50) Dimethylphthalate	9.645	163	695536	44.420	ng		100
51) 2,6-Dinitrotoluene	9.704	165	153515	52.872	ng		97
52) Acenaphthene	9.957	154	575664	45.911	ng		98
53) 3-Nitroaniline	9.875	138	114553	32.221	ng		96
54) 2,4-Dinitrophenol	9.986	184	140703	78.686	ng	#	90
55) Dibenzofuran	10.127	168	770168	43.513	ng		99
56) 4-Nitrophenol	10.039	139	213879	79.453	ng		98
57) 2,4-Dinitrotoluene	10.110	165	203059	51.399	ng		99
58) Fluorene	10.474	166	592420	44.357	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	170373	45.739	ng		98
60) Diethylphthalate	10.345	149	647831	44.534	ng		100
61) 4-Chlorophenyl-phenyle...	10.463	204	311202	44.073	ng		98
62) 4-Nitroaniline	10.492	138	149396	43.698	ng		96
63) Azobenzene	10.627	77	689787	45.371	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	108273	52.568	ng		98
66) n-Nitrosodiphenylamine	10.586	169	596101	46.319	ng		99
67) 4-Bromophenyl-phenylether	10.957	248	198082	43.730	ng		99
68) Hexachlorobenzene	11.022	284	227930	43.465	ng		99
69) Atrazine	11.110	200	184072	47.190	ng		98
70) Pentachlorophenol	11.222	266	217677	72.275	ng		99
71) Phenanthrene	11.439	178	880155	44.295	ng		99
72) Anthracene	11.492	178	890556	44.364	ng		99
73) Carbazole	11.645	167	790245	44.449	ng		99
74) Di-n-butylphthalate	11.974	149	920963	44.696	ng		100
75) Fluoranthene	12.633	202	869646	42.371	ng		99
77) Benzidine	12.751	184	232839	30.612	ng		98
78) Pyrene	12.863	202	895799	49.051	ng		99
80) Butylbenzylphthalate	13.474	149	296852	50.051	ng		96
81) Benzo(a)anthracene	14.051	228	656992	45.831	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	141998	32.504	ng		99
83) Chrysene	14.092	228	620817	46.792	ng		99
84) Bis(2-ethylhexyl)phtha...	14.033	149	348458	48.738	ng		99
85) Di-n-octyl phthalate	14.651	149	556634	47.402	ng		100
87) Indeno(1,2,3-cd)pyrene	17.056	276	740956	56.623	ng		98
88) Benzo(b)fluoranthene	15.109	252	500371	40.788	ng		99
89) Benzo(k)fluoranthene	15.139	252	466903	41.132	ng		100
90) Benzo(a)pyrene	15.486	252	516671	48.572	ng		97
91) Dibenzo(a,h)anthracene	17.068	278	593880	56.429	ng		99
92) Benzo(g,h,i)perylene	17.509	276	602133	57.212	ng		97

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

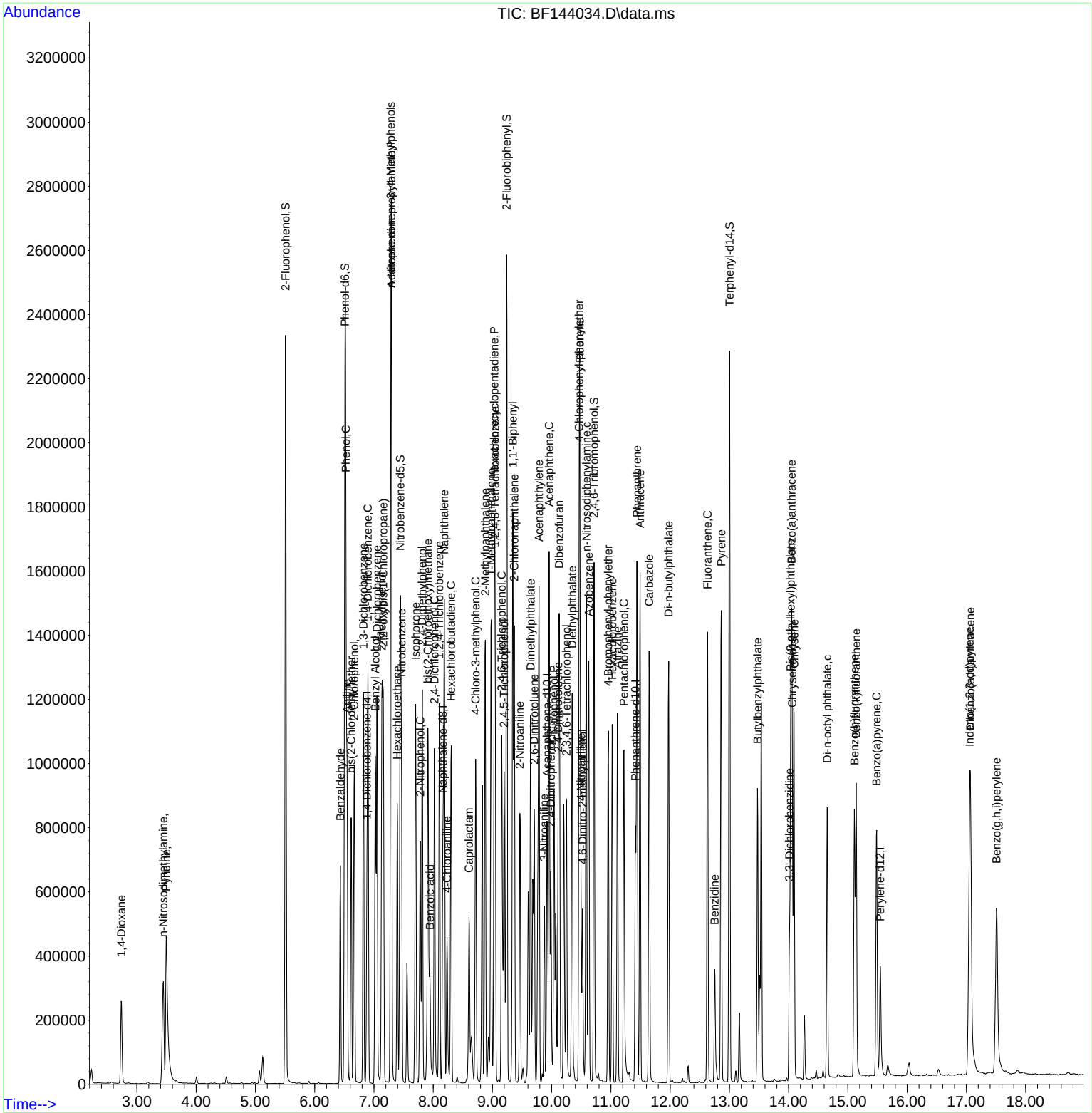
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102225\
Data File : BF144034.D
Acq On : 22 Oct 2025 11:23
Operator : RC/JU
Sample : PB170180BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

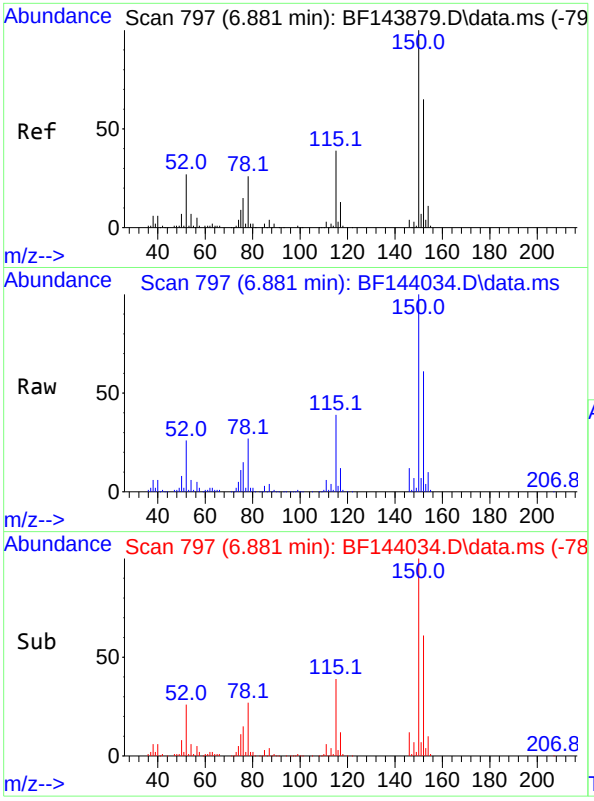
Quant Time: Oct 22 12:19:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

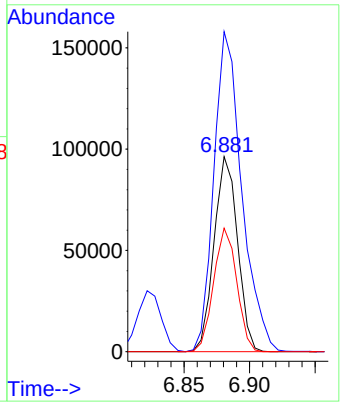




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:152 Resp: 11971

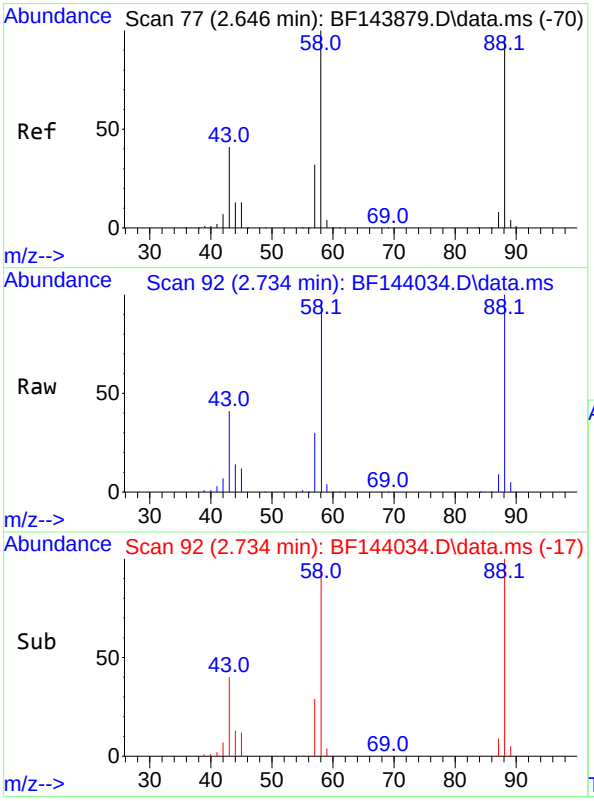
Ion	Ratio	Lower	Upper
152	100		
150	164.1	124.4	186.6
115	63.3	48.1	72.1



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

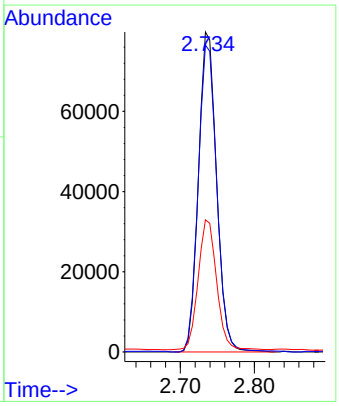
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

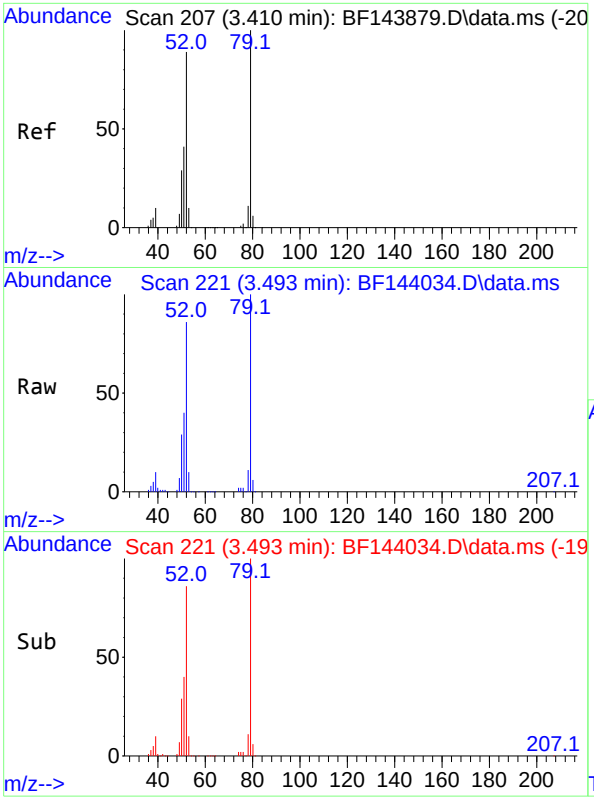


#2
1,4-Dioxane
Concen: 38.933 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.088 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 88 Resp: 135824

Ion	Ratio	Lower	Upper
88	100		
58	98.7	83.0	124.6
43	41.3	33.9	50.9

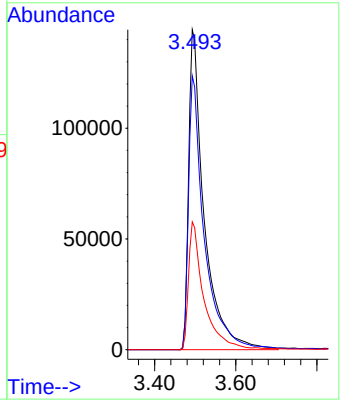




#3
Pyridine
Concen: 37.766 ng
RT: 3.493 min Scan# 2
Delta R.T. 0.076 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 79 Resp: 38355

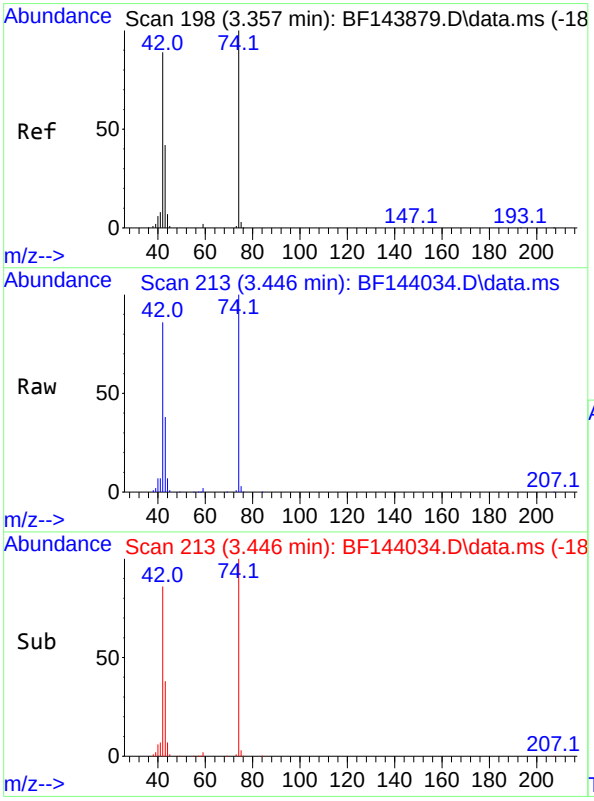
Ion	Ratio	Lower	Upper
79	100		
52	85.5	71.5	107.3
51	39.9	32.9	49.3



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

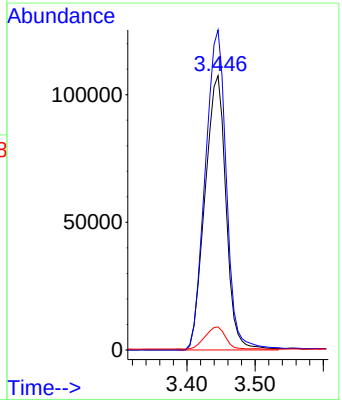
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

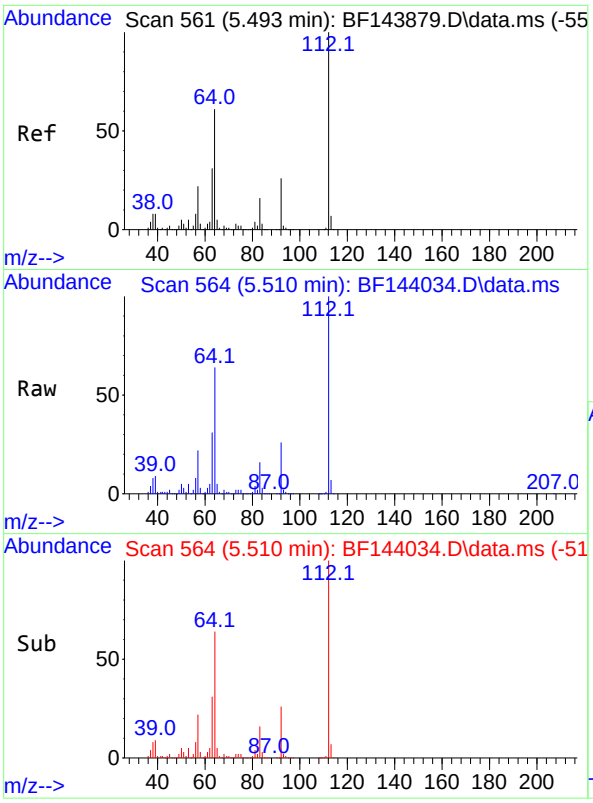


#4
n-Nitrosodimethylamine
Concen: 43.315 ng
RT: 3.446 min Scan# 213
Delta R.T. 0.059 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 42 Resp: 231413

Ion	Ratio	Lower	Upper
42	100		
74	116.7	90.0	135.0
44	8.4	6.2	9.2

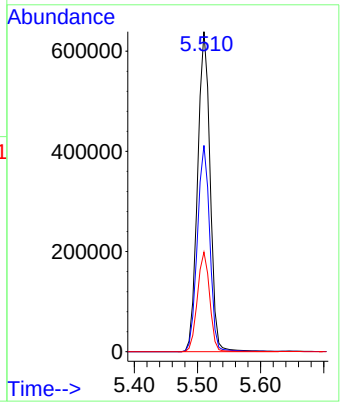




#5
2-Fluorophenol
Concen: 116.435 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:112 Resp: 87779

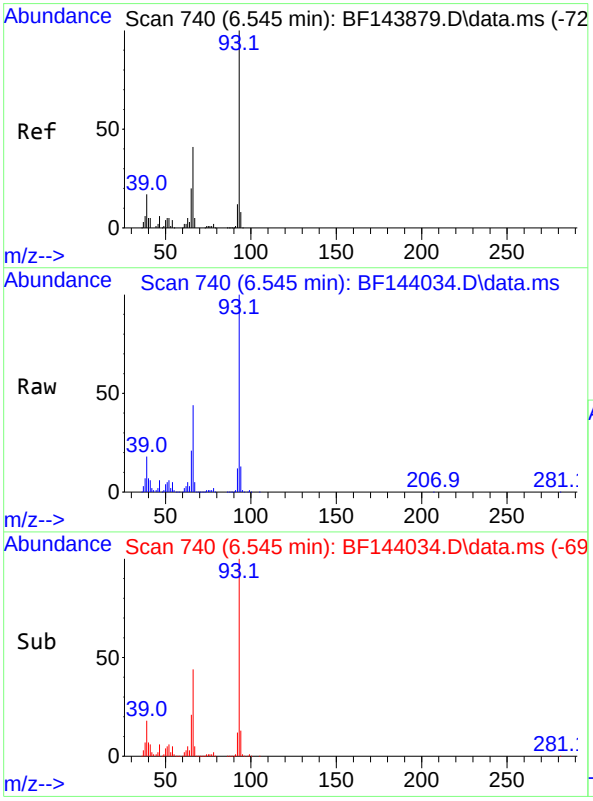
Ion	Ratio	Lower	Upper
112	100		
64	64.5	49.1	73.7
63	31.1	24.5	36.7



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

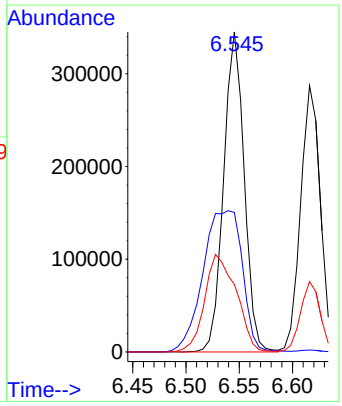
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

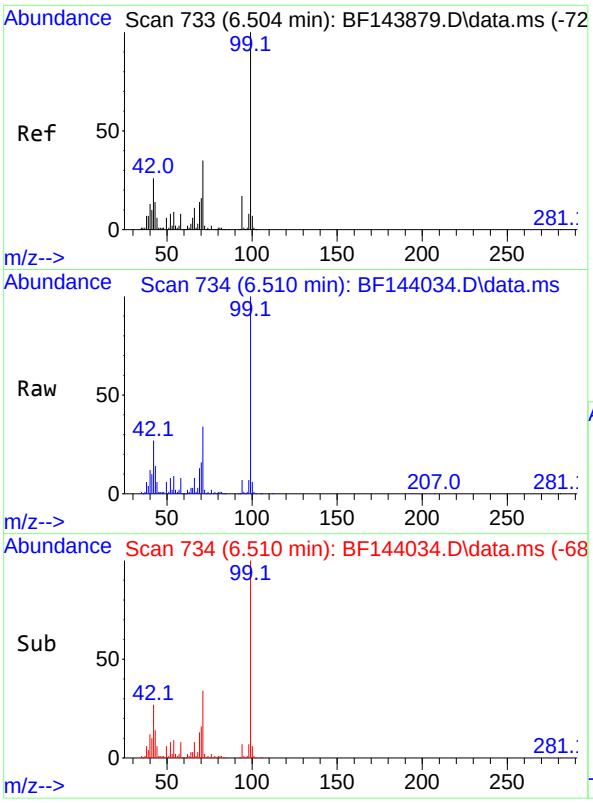


#6
Aniline
Concen: 34.390 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 93 Resp: 463085

Ion	Ratio	Lower	Upper
93	100		
66	43.6	33.0	49.6
65	21.1	15.8	23.8

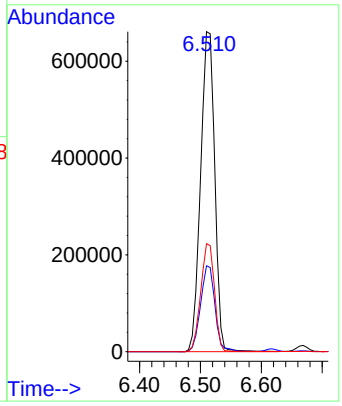




#7
Phenol-d6
Concen: 118.488 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 99 Resp: 106475

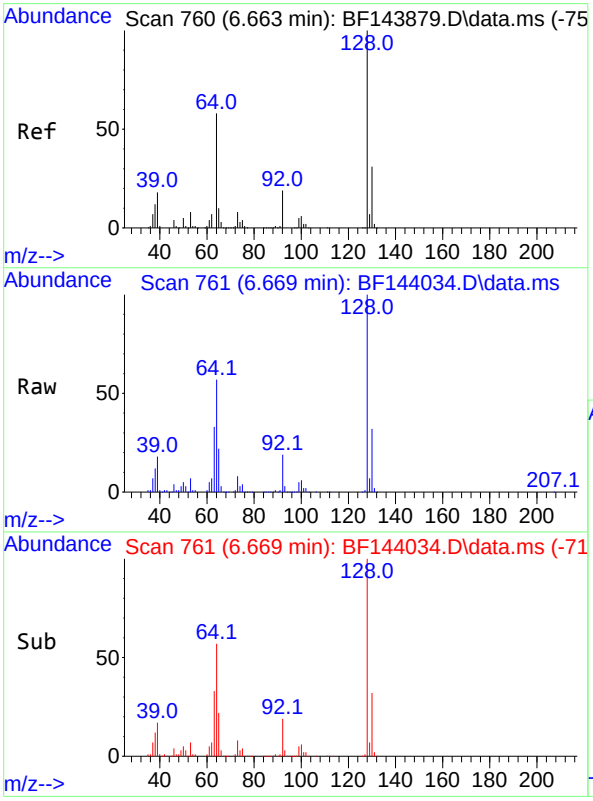
Ion	Ratio	Lower	Upper
99	100		
42	26.8	21.0	31.4
71	33.8	27.8	41.8



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

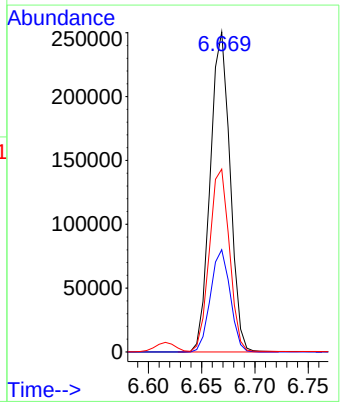
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

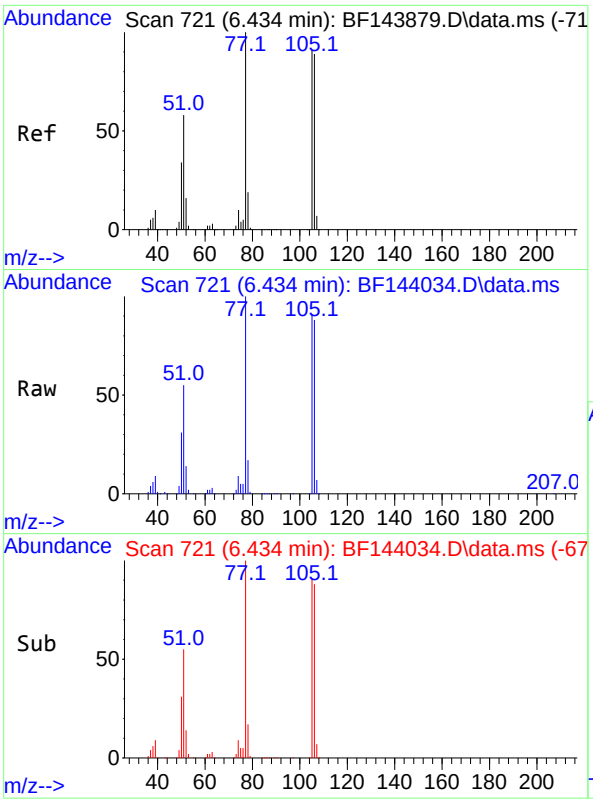


#8
2-Chlorophenol
Concen: 43.882 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:128 Resp: 323383

Ion	Ratio	Lower	Upper
128	100		
130	31.9	10.7	50.7
64	57.2	39.0	79.0

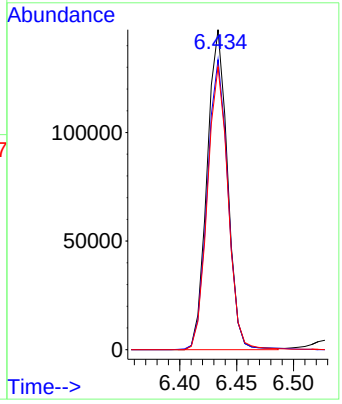




#9
Benzaldehyde
Concen: 26.570 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 77 Resp: 18418

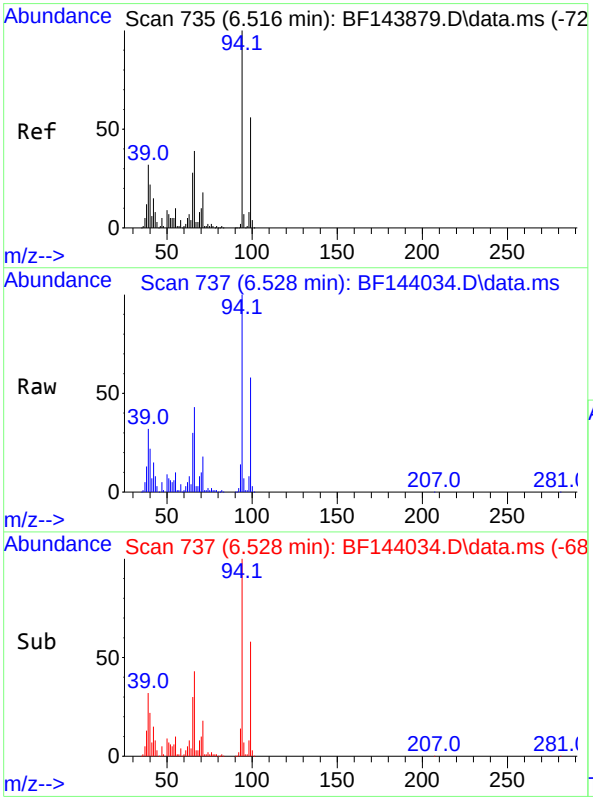
Ion	Ratio	Lower	Upper
77	100		
105	90.7	70.9	110.9
106	88.4	68.9	108.9



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

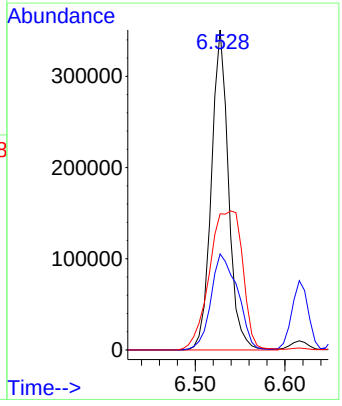
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

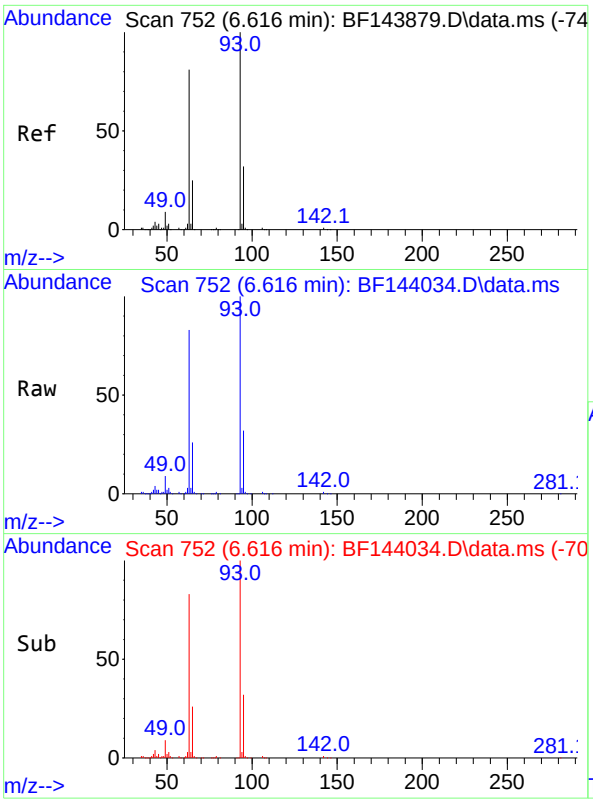


#10
Phenol
Concen: 43.295 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 94 Resp: 465127

Ion	Ratio	Lower	Upper
94	100		
65	30.0	8.5	48.5
66	42.5	19.9	59.9

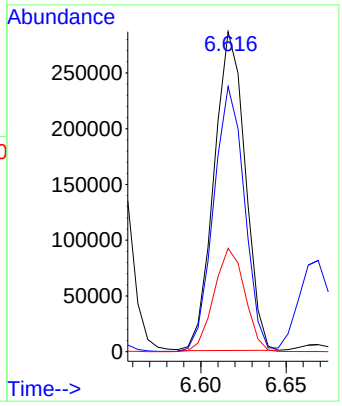




#11
bis(2-Chloroethyl)ether
Concen: 43.811 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 93 Resp: 36358

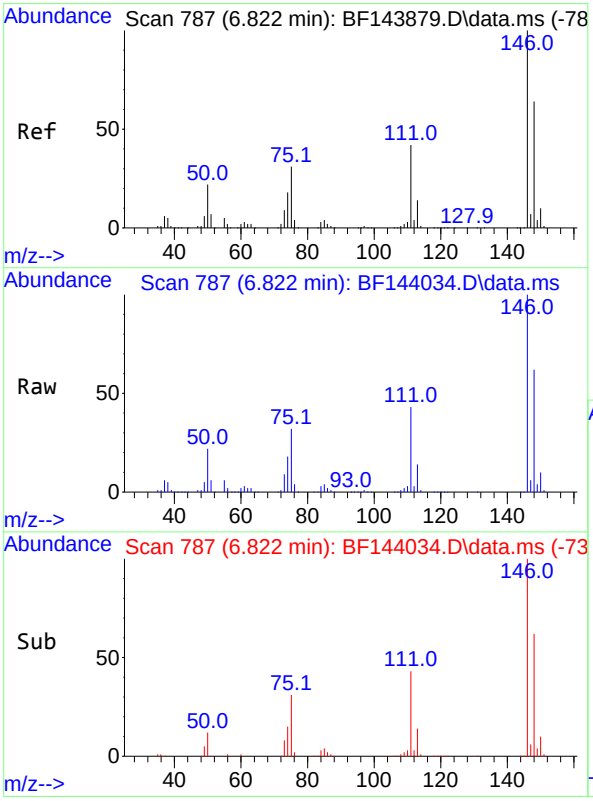
Ion	Ratio	Lower	Upper
93	100		
63	82.9	60.9	100.9
95	32.3	11.5	51.5



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

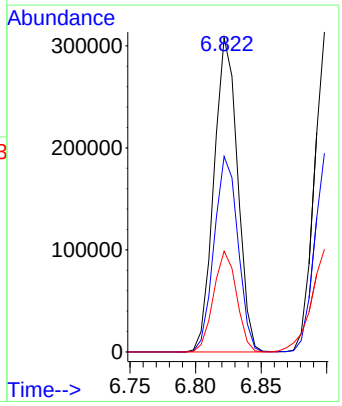
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

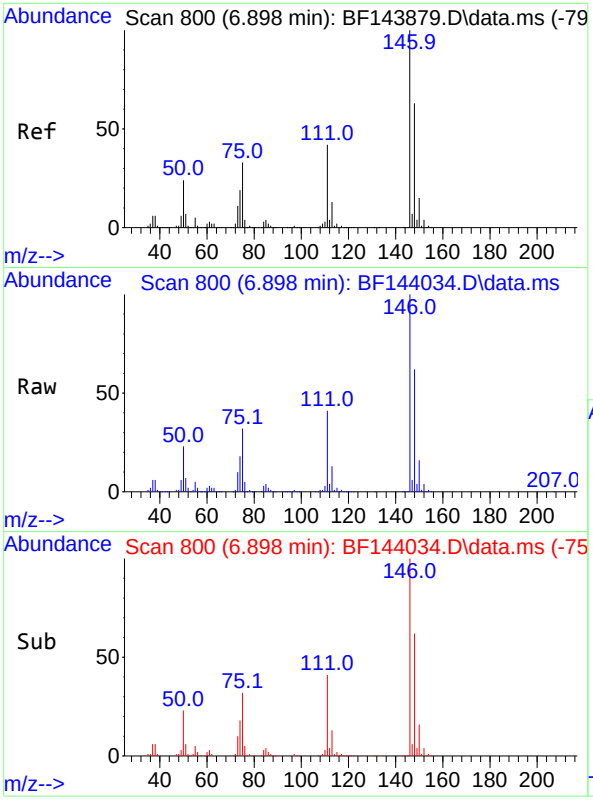


#12
1,3-Dichlorobenzene
Concen: 43.754 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:146 Resp: 385966

Ion	Ratio	Lower	Upper
146	100		
148	62.3	51.0	76.4
75	32.1	24.9	37.3

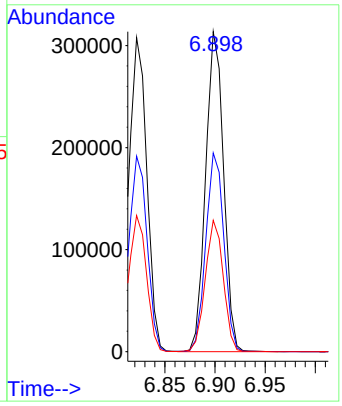




#13
1,4-Dichlorobenzene
Concen: 44.937 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:146 Resp: 39101

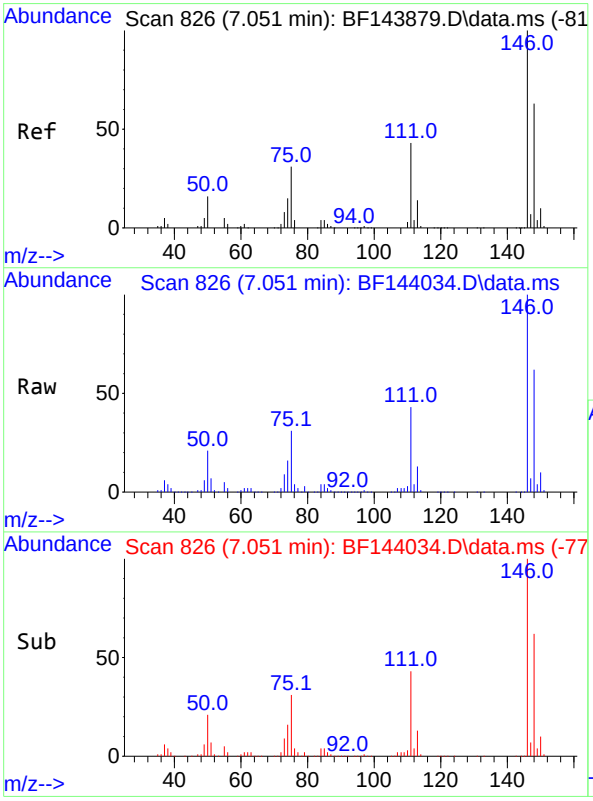
Ion	Ratio	Lower	Upper
146	100		
148	62.1	50.5	75.7
111	41.0	33.4	50.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

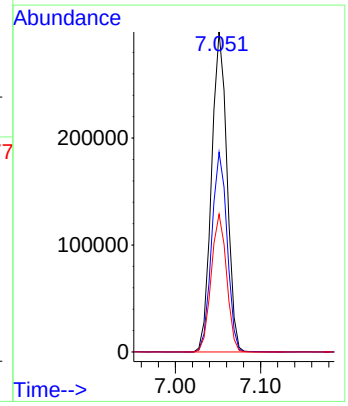
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

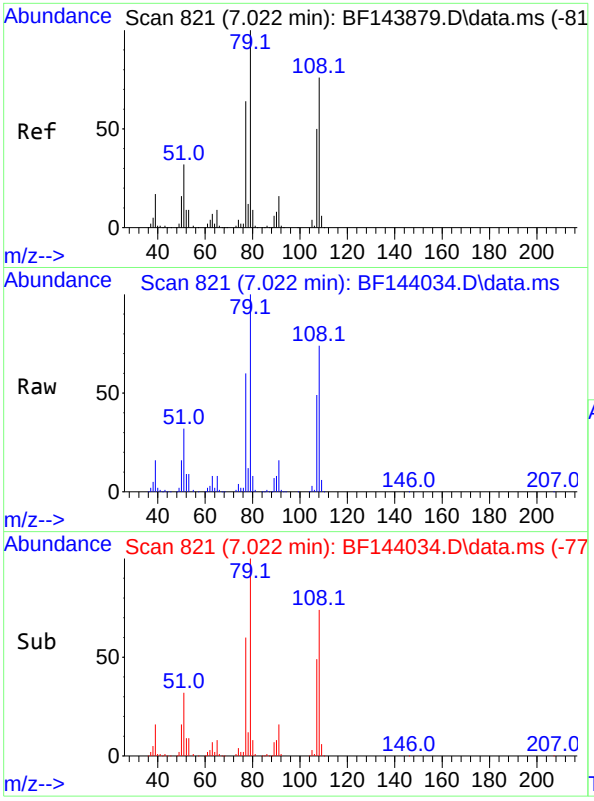


#14
1,2-Dichlorobenzene
Concen: 45.163 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:146 Resp: 376415

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.6	75.8
111	43.0	34.6	51.8





#15
Benzyl Alcohol
Concen: 45.884 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

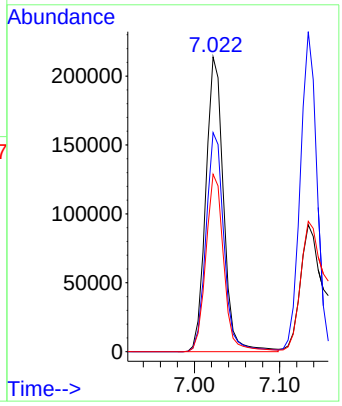
Tgt Ion: 79 Resp: 30893

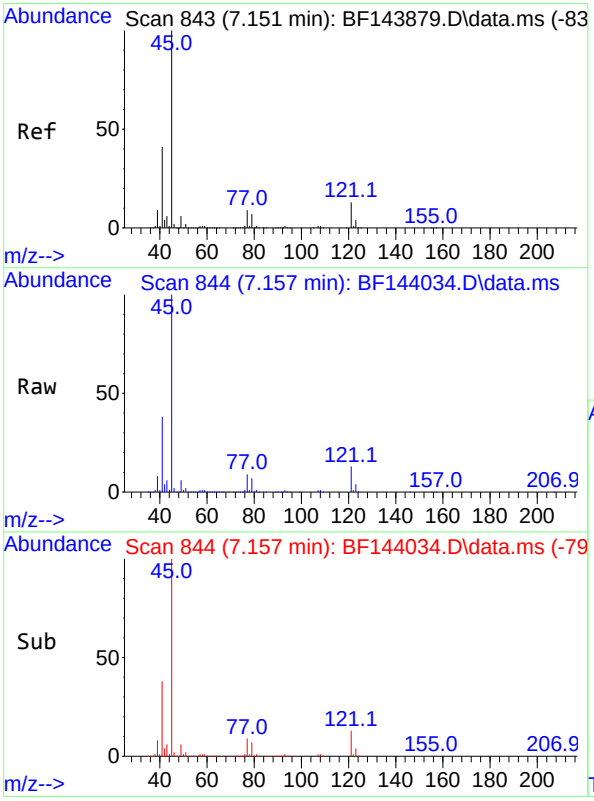
Ion	Ratio	Lower	Upper
79	100		
108	74.3	60.8	91.2
77	60.2	51.0	76.6

Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

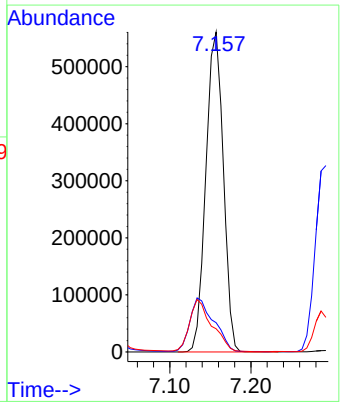


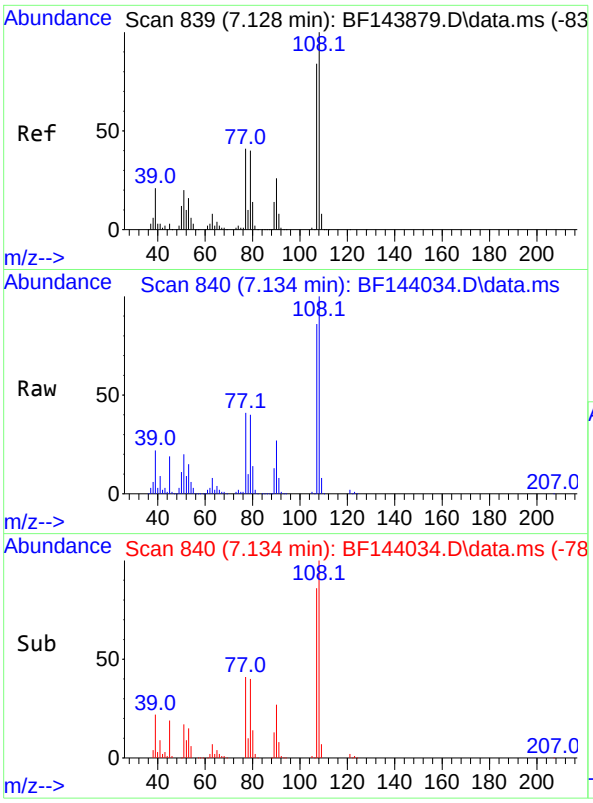


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.278 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 45 Resp: 836420

Ion	Ratio	Lower	Upper
45	100		
77	9.1	0.0	29.0
79	7.3	0.0	26.8

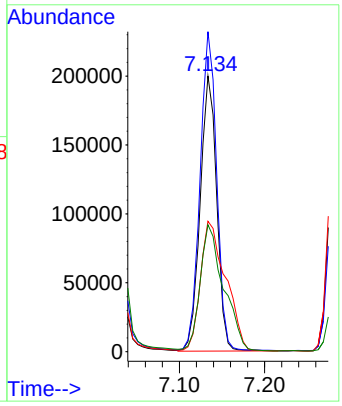




#17
2-Methylphenol
Concen: 44.345 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:107 Resp: 27007

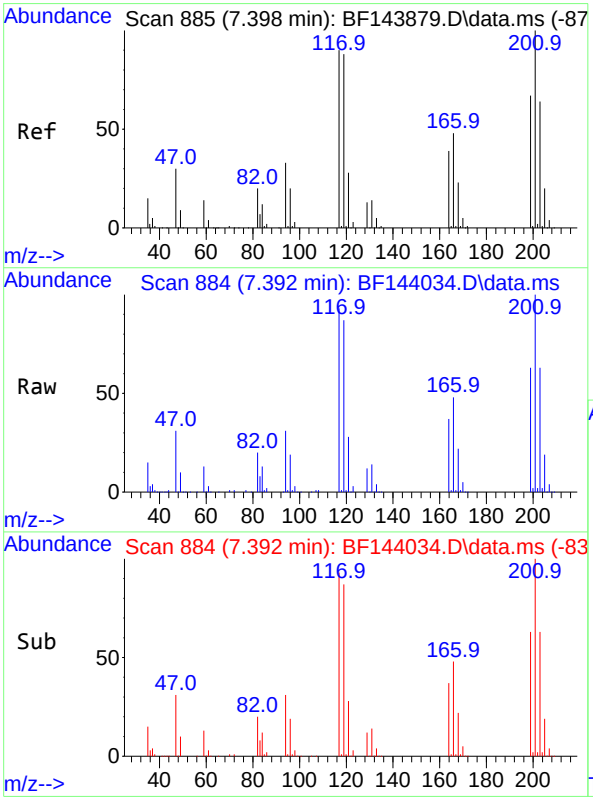
Ion	Ratio	Lower	Upper
107	100		
108	116.1	94.7	142.1
77	47.3	38.8	58.2
79	46.0	38.3	57.5



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

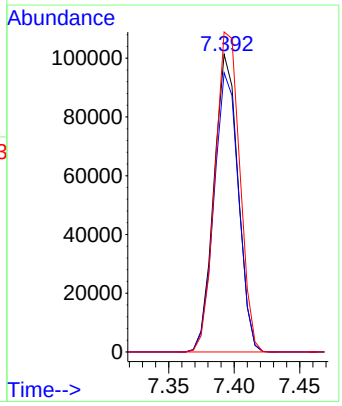
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

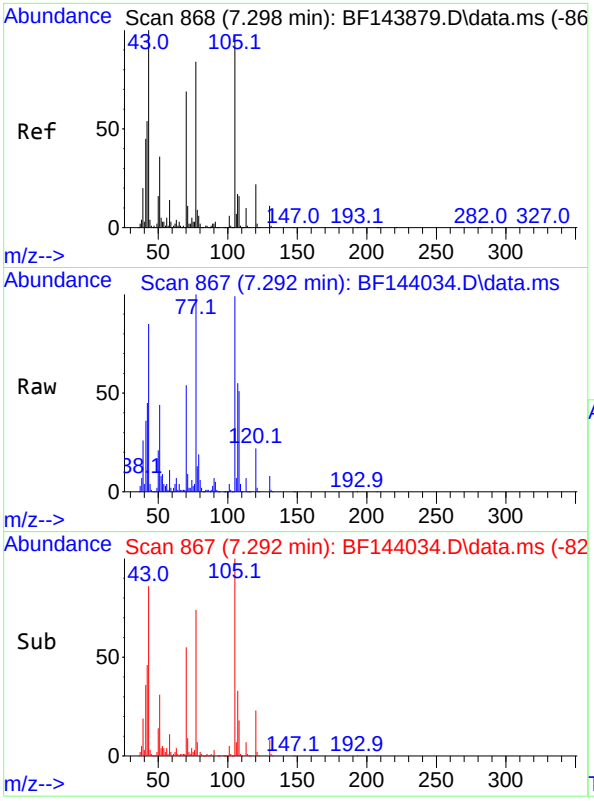


#18
Hexachloroethane
Concen: 44.736 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:117 Resp: 129818

Ion	Ratio	Lower	Upper
117	100		
119	93.8	77.8	116.8
201	107.5	88.5	132.7

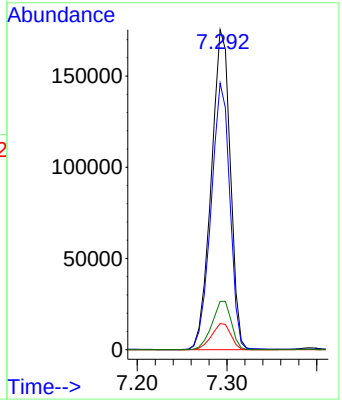




#19
n-Nitroso-di-n-propylamine
Concen: 42.169 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.024 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 70 Resp: 25938

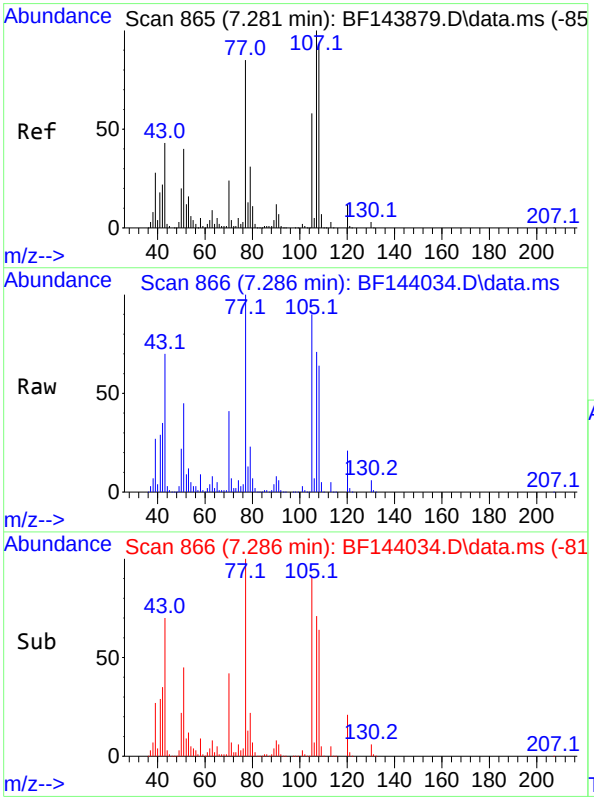
Ion	Ratio	Lower	Upper
70	100		
42	83.3	62.8	94.2
101	8.2	6.7	10.1
130	15.1	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

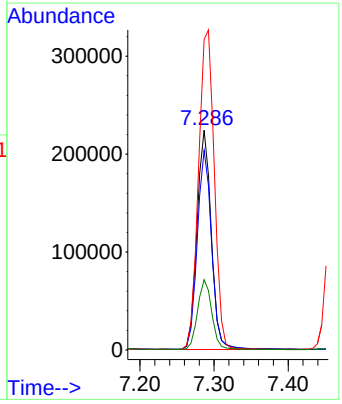
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

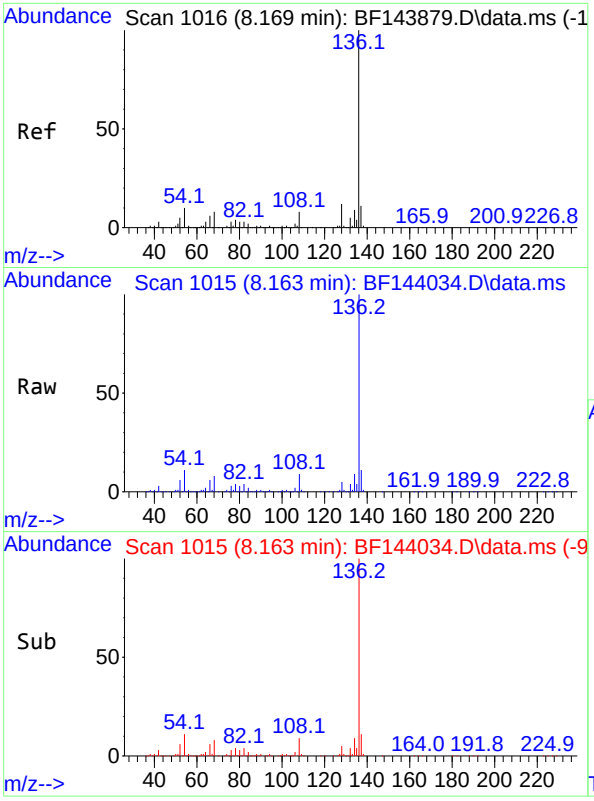


#20
3+4-Methylphenols
Concen: 42.457 ng
RT: 7.286 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:107 Resp: 299684

Ion	Ratio	Lower	Upper
107	100		
108	90.8	73.0	113.0
77	141.4	64.6	104.6#
79	32.0	11.5	51.5

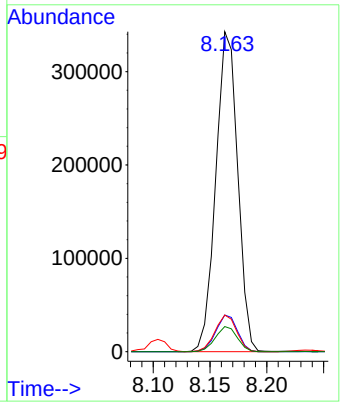




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:136 Resp: 45970

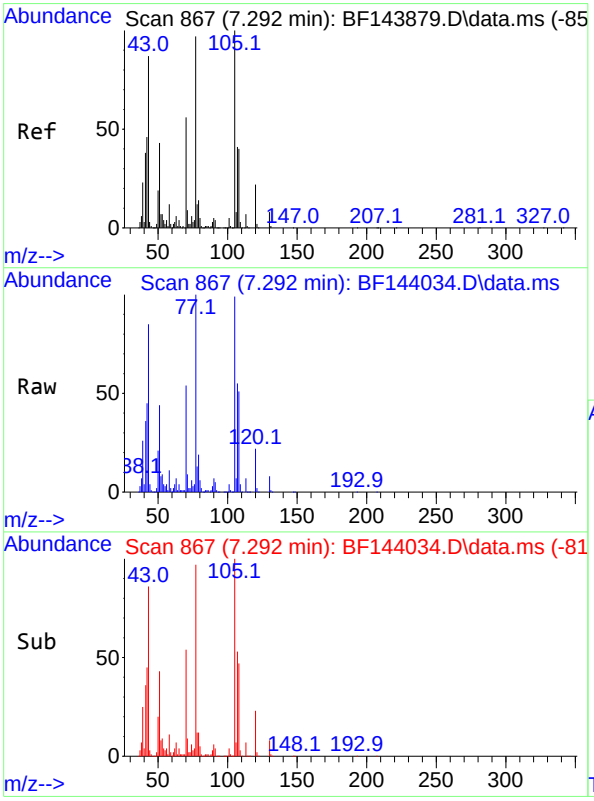
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	11.5	8.2	12.4
68	7.8	6.2	9.4



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

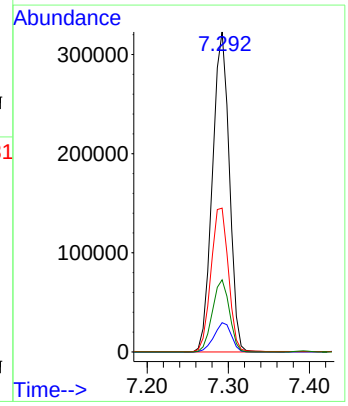
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

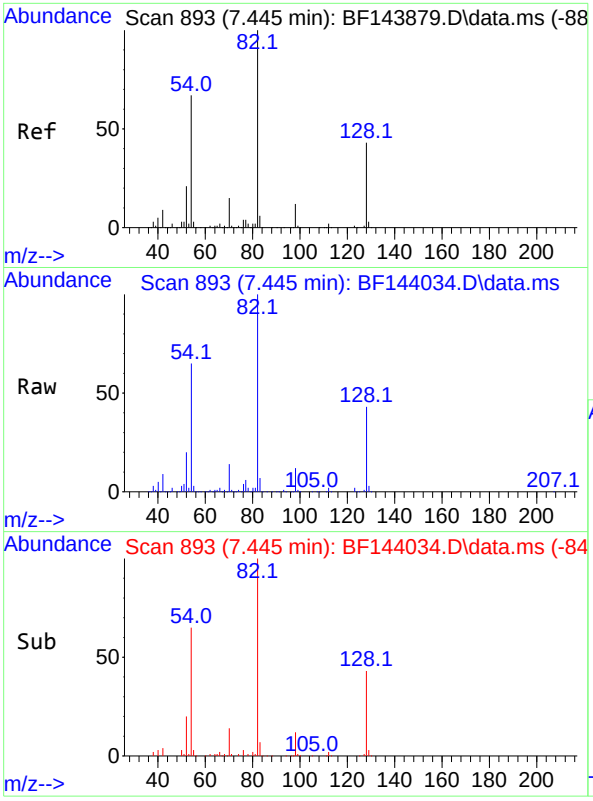


#22
Acetophenone
Concen: 47.899 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:105 Resp: 465580

Ion	Ratio	Lower	Upper
105	100		
71	9.1	7.4	11.0
51	45.0	34.2	51.4
120	22.6	17.7	26.5

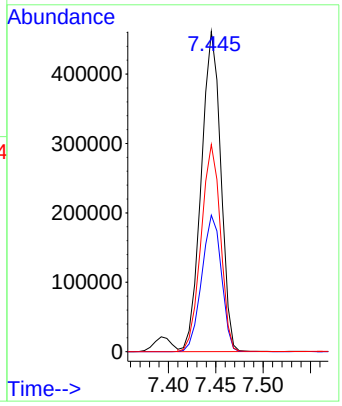




#23
Nitrobenzene-d5
Concen: 87.083 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 82 Resp: 65892

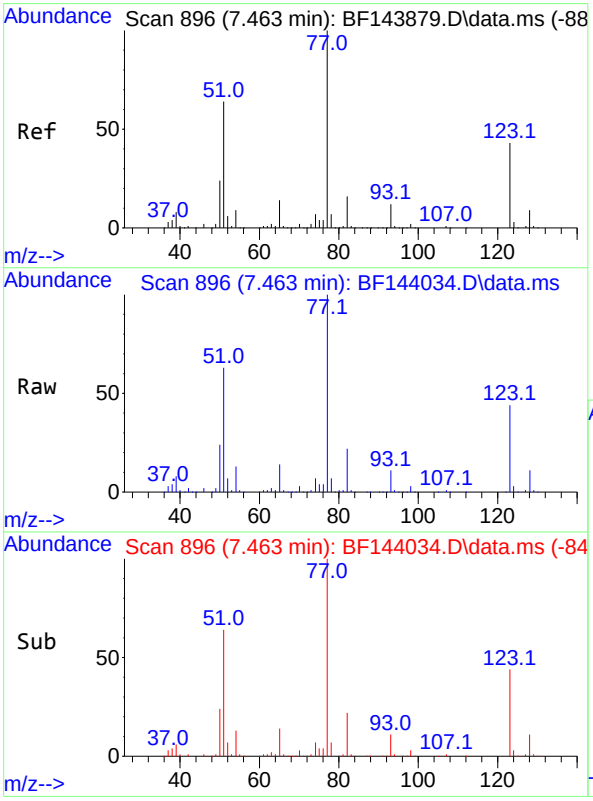
Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.0	51.0
54	64.7	53.2	79.8



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

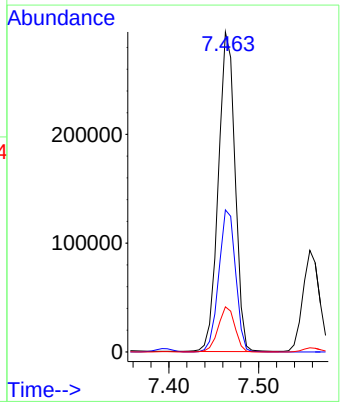
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

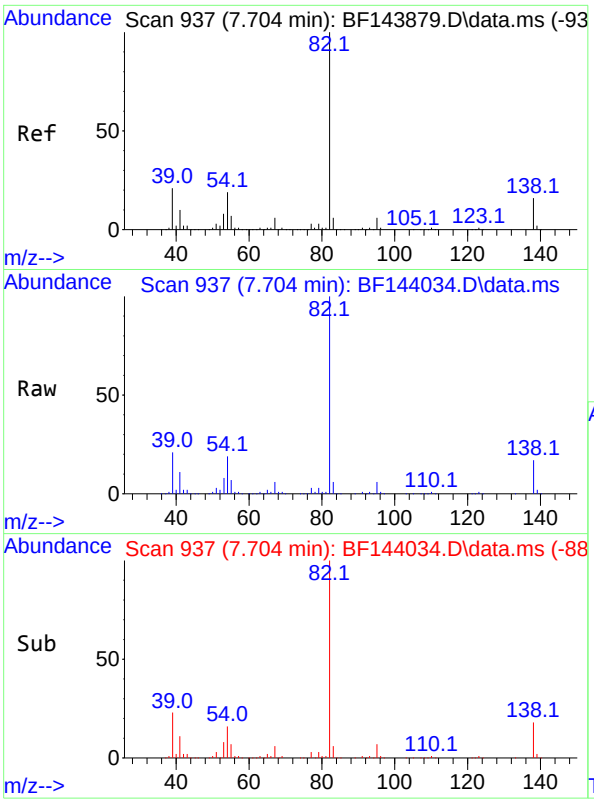


#24
Nitrobenzene
Concen: 45.224 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 77 Resp: 380006

Ion	Ratio	Lower	Upper
77	100		
123	44.4	34.2	51.4
65	14.1	11.0	16.6

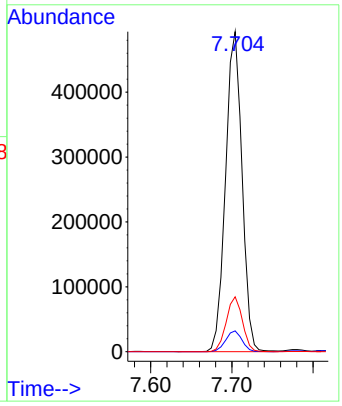




#25
Isophorone
Concen: 43.606 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.018 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 82 Resp: 69571

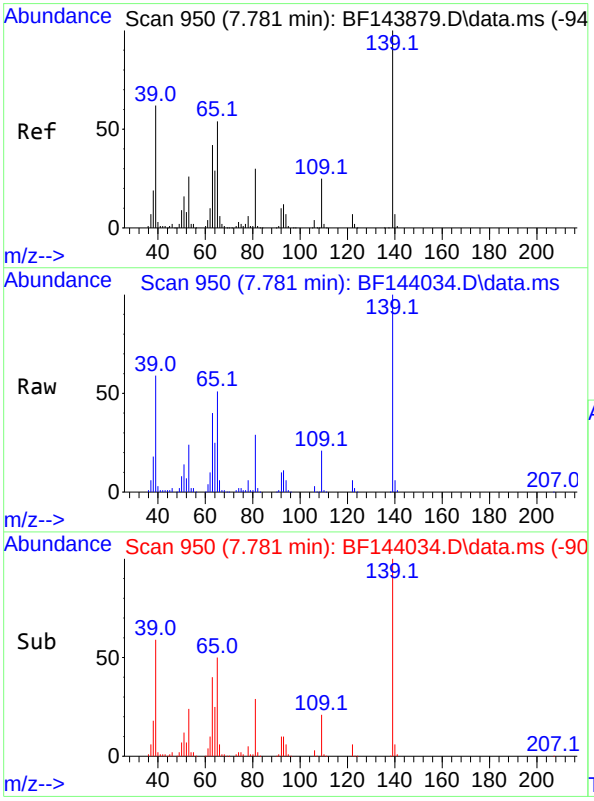
Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.1	7.7
138	17.1	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

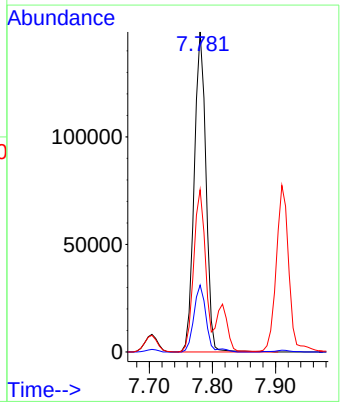
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

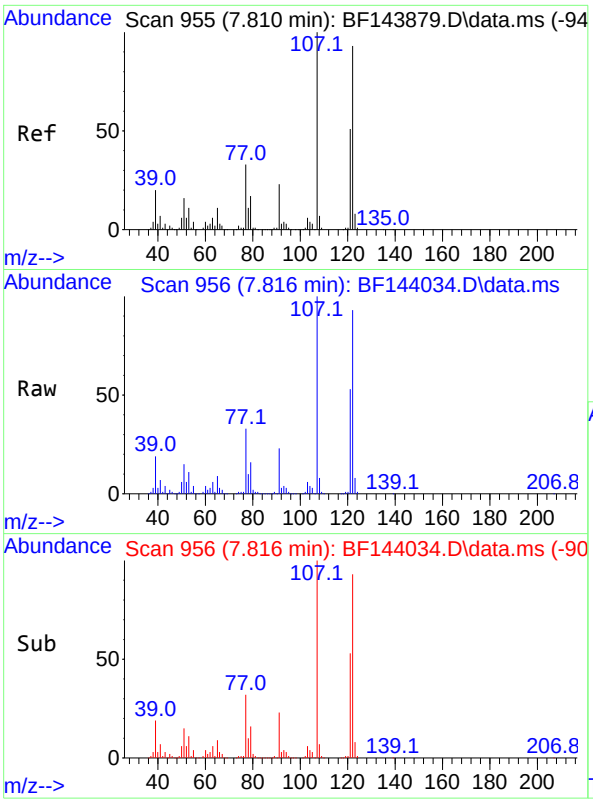


#26
2-Nitrophenol
Concen: 53.231 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:139 Resp: 191765

Ion	Ratio	Lower	Upper
139	100		
109	20.9	19.8	29.6
65	50.7	42.9	64.3

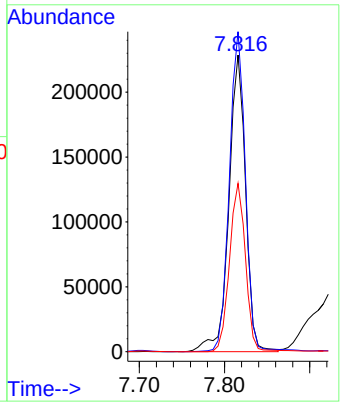




#27
2,4-Dimethylphenol
Concen: 48.029 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:122 Resp: 31124

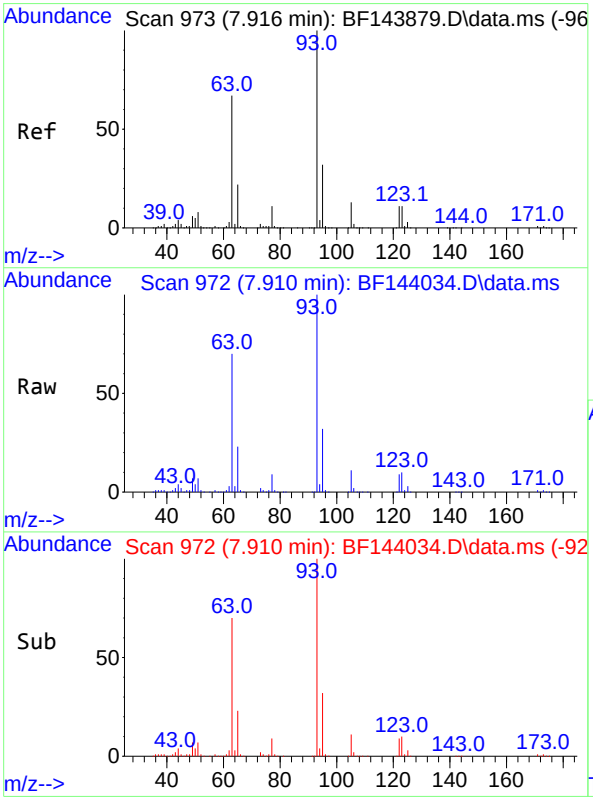
Ion	Ratio	Lower	Upper
122	100		
107	107.9	86.1	129.1
121	56.8	43.8	65.6



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

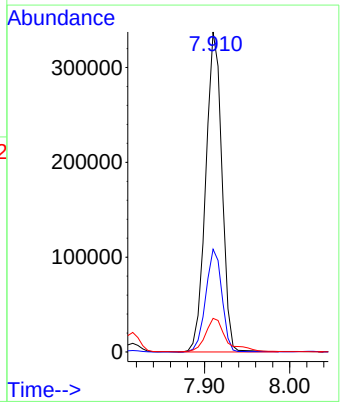
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

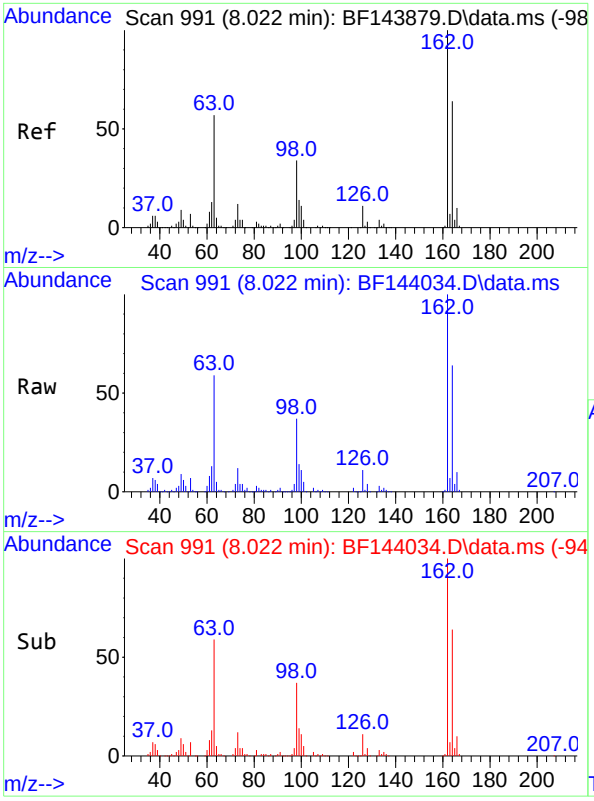


#28
bis(2-Chloroethoxy)methane
Concen: 44.311 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 93 Resp: 446575

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.9	38.9
123	10.5	9.4	14.0

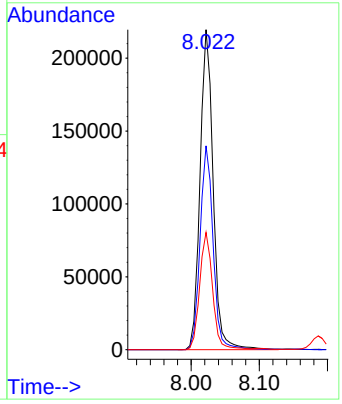




#29
2,4-Dichlorophenol
Concen: 43.509 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:162 Resp: 29369

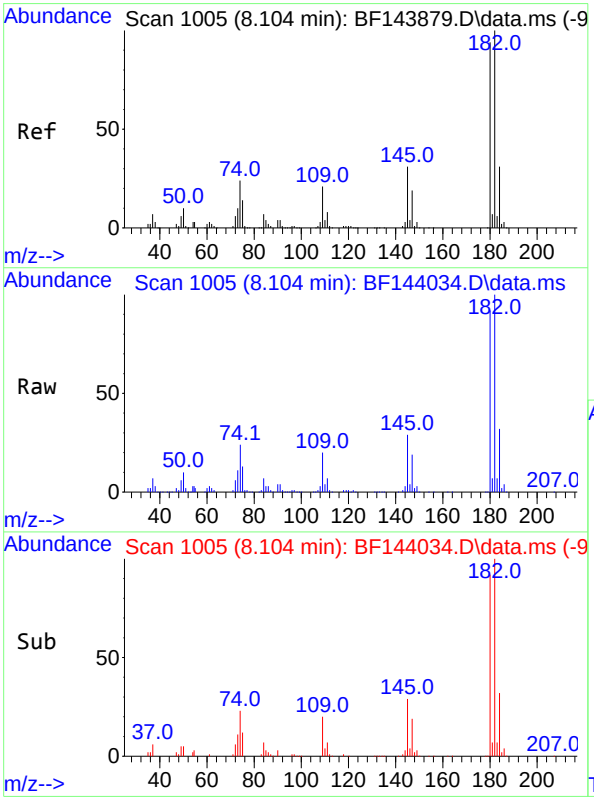
Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.9	83.9
98	36.7	14.4	54.4



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

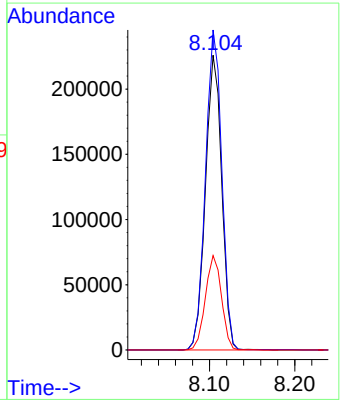
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

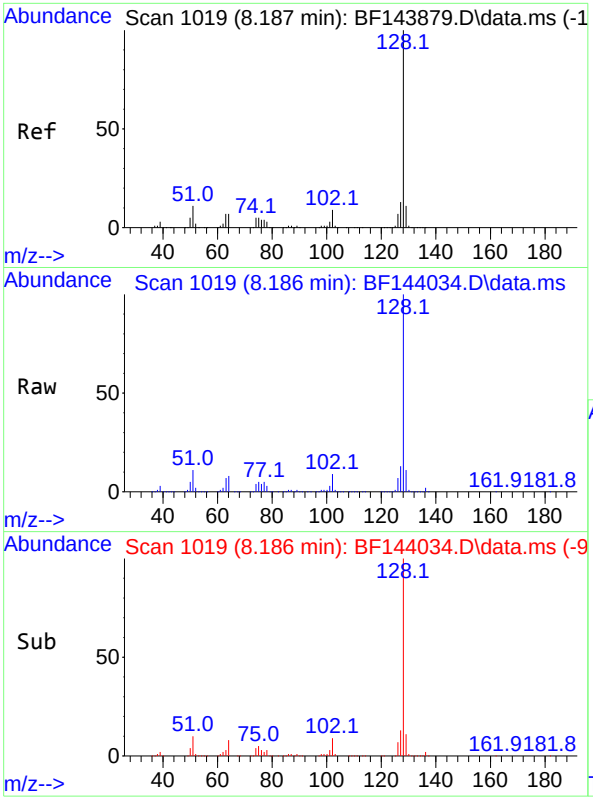


#30
1,2,4-Trichlorobenzene
Concen: 45.212 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:180 Resp: 300150

Ion	Ratio	Lower	Upper
180	100		
182	108.6	85.4	128.0
145	32.0	26.3	39.5

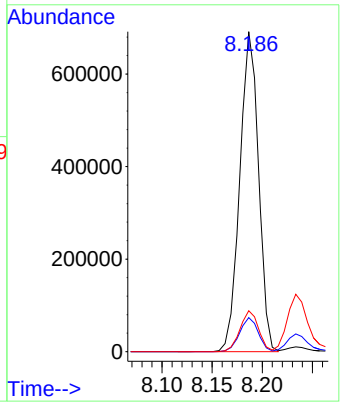




#31
Naphthalene
Concen: 43.074 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:128 Resp: 90075

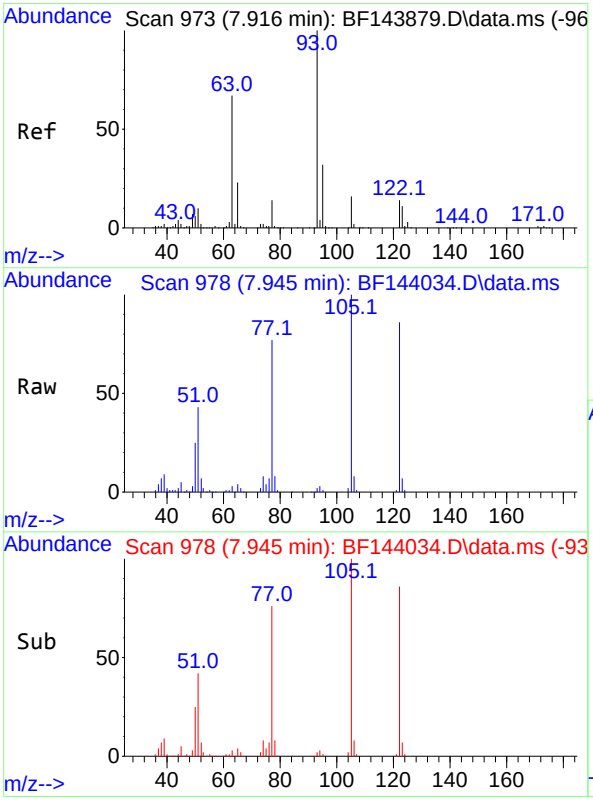
Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	12.8	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

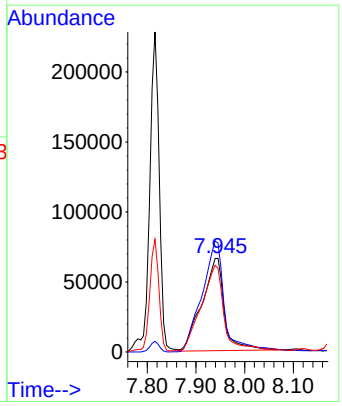
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

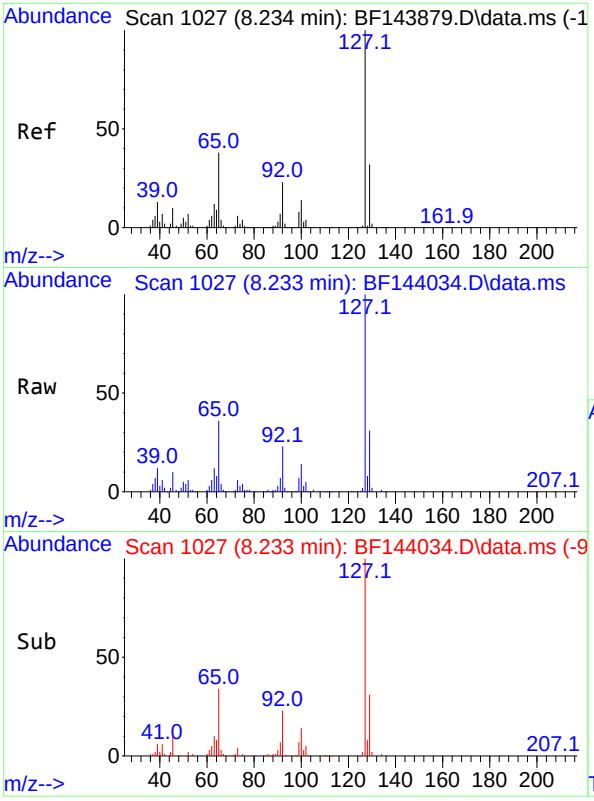


#32
Benzoic acid
Concen: 46.887 ng
RT: 7.945 min Scan# 978
Delta R.T. -0.018 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:122 Resp: 210289

Ion	Ratio	Lower	Upper
122	100		
105	116.2	93.5	133.5
77	89.2	76.3	116.3

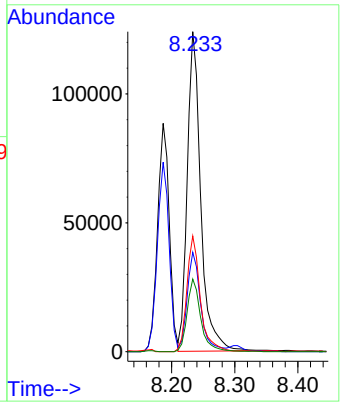




#33
4-Chloroaniline
Concen: 23.505 ng
RT: 8.233 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:127 Resp: 18434

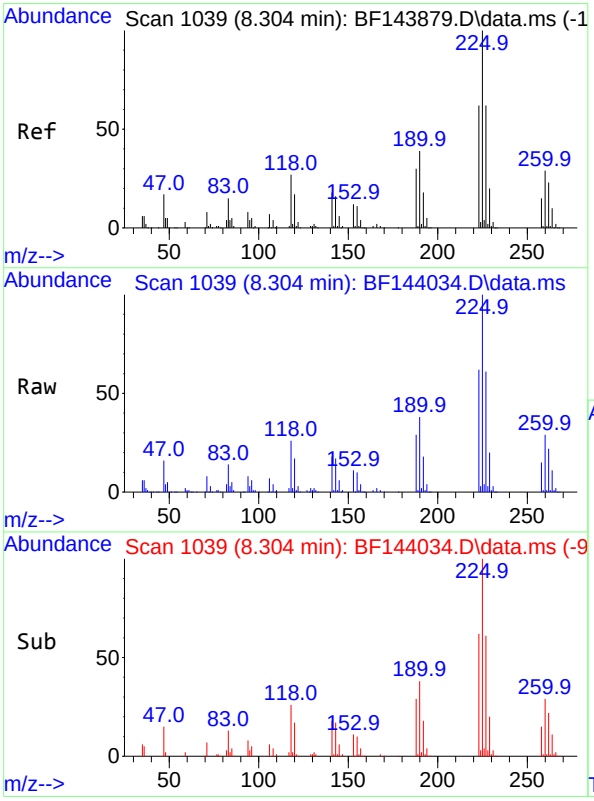
Ion	Ratio	Lower	Upper
127	100		
129	31.0	25.8	38.8
65	36.2	30.0	45.0
92	22.7	18.2	27.2



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

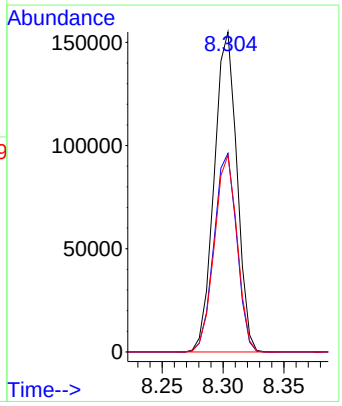
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

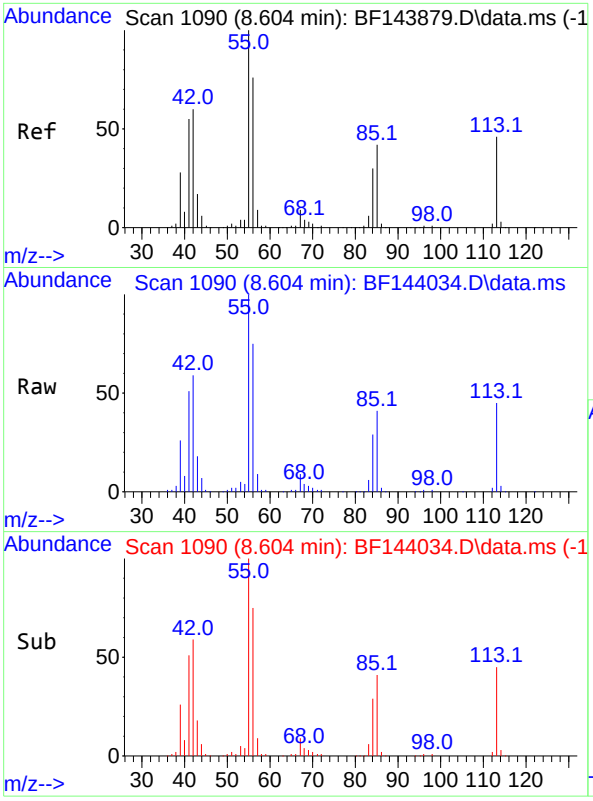


#34
Hexachlorobutadiene
Concen: 43.672 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:225 Resp: 201469

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.4	74.2
227	61.5	49.7	74.5

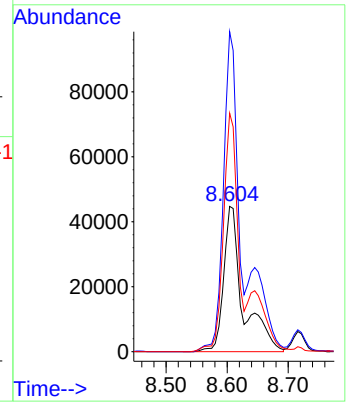




#35
Caprolactam
Concen: 45.773 ng m
RT: 8.604 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:113 Resp: 9824

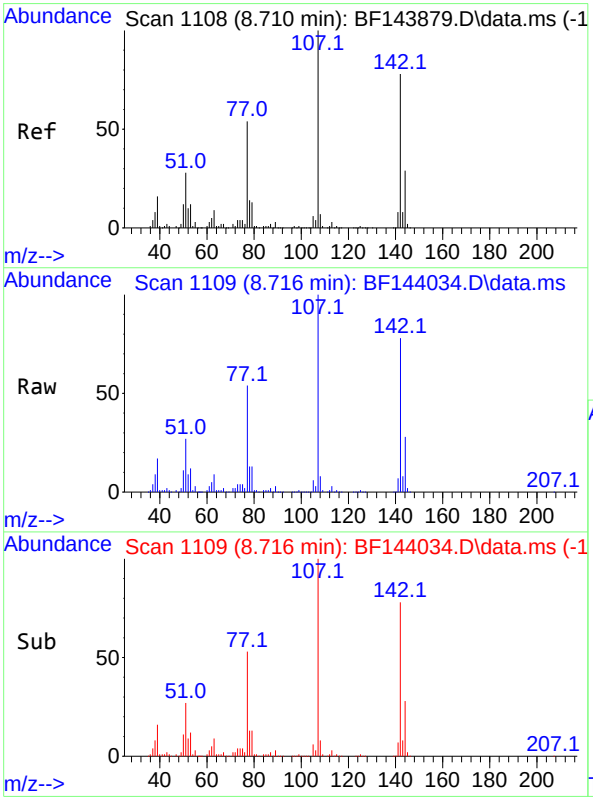
Ion	Ratio	Lower	Upper
113	100		
55	220.2	199.6	239.6
56	164.1	146.0	186.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

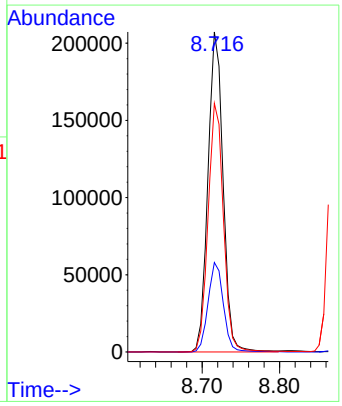
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

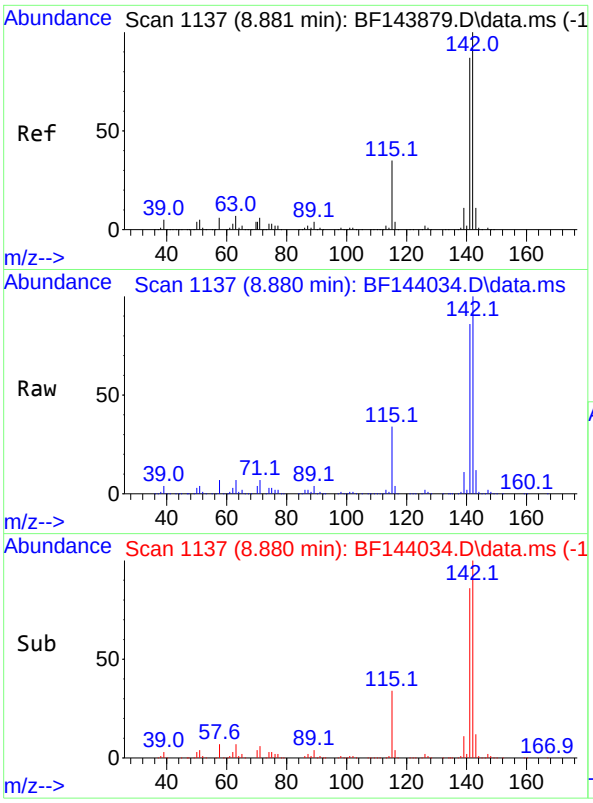


#36
4-Chloro-3-methylphenol
Concen: 43.358 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:107 Resp: 281138

Ion	Ratio	Lower	Upper
107	100		
144	28.0	23.1	34.7
142	77.7	62.6	94.0

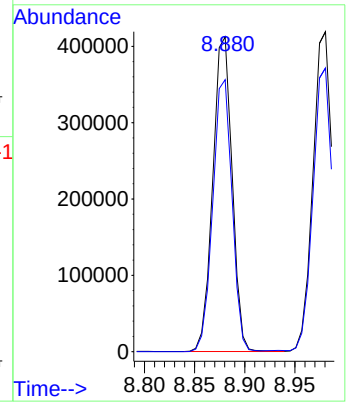




#37
2-Methylnaphthalene
Concen: 39.734 ng
RT: 8.880 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:142 Resp: 55348

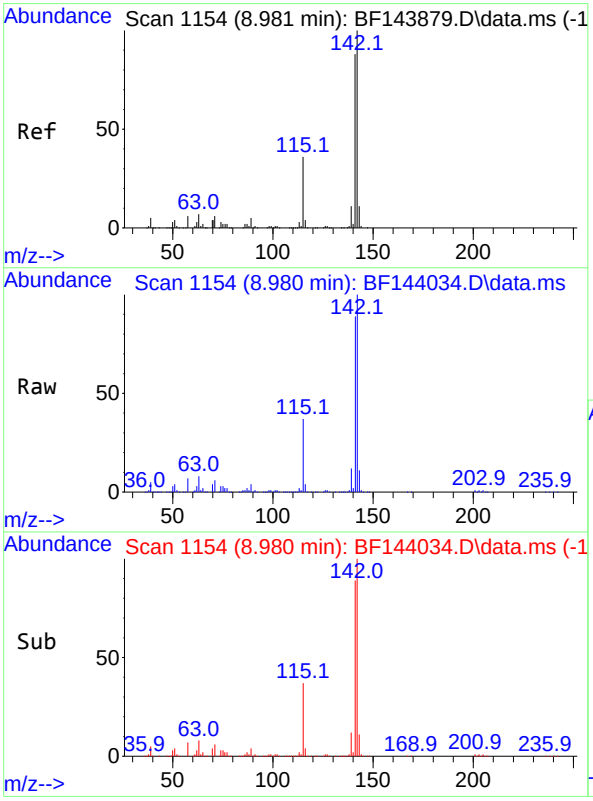
Ion	Ratio	Lower	Upper
142	100		
141	86.4	69.2	103.8



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

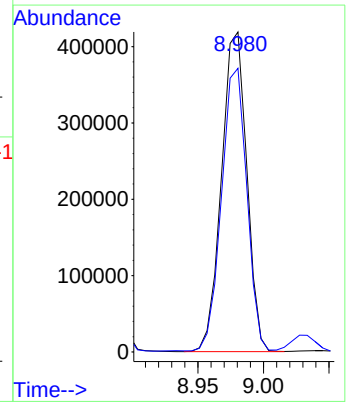
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

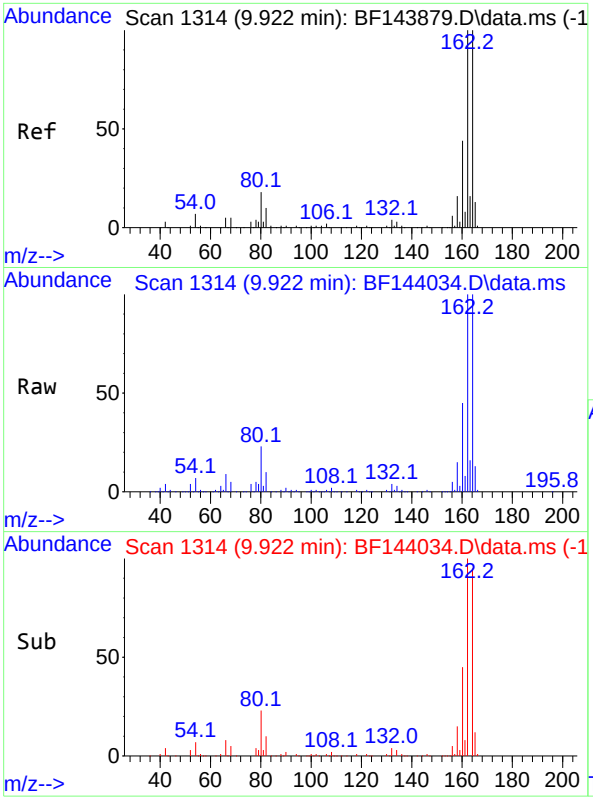


#38
1-Methylnaphthalene
Concen: 41.537 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:142 Resp: 561229

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2

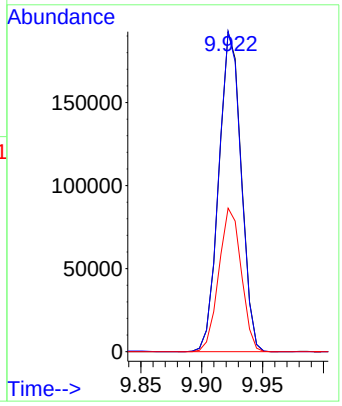




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:164 Resp: 24657

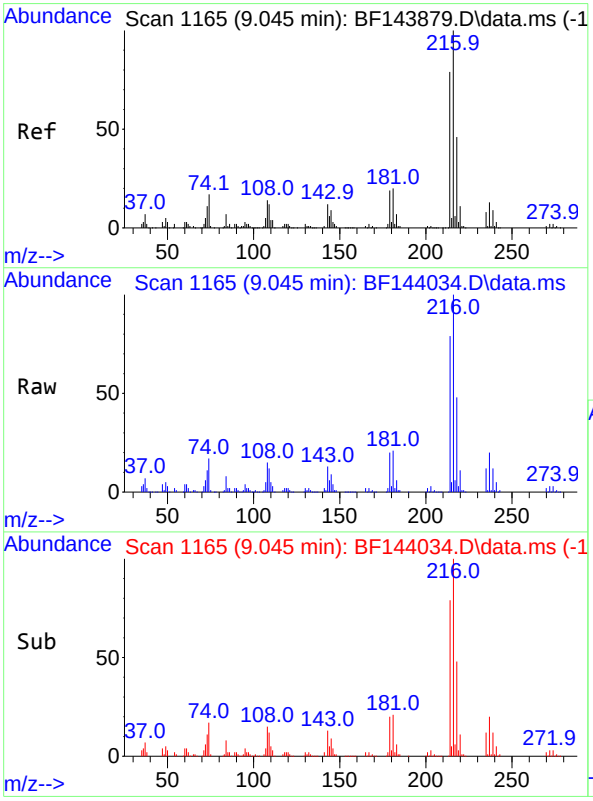
Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.2	120.2
160	44.8	35.4	53.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

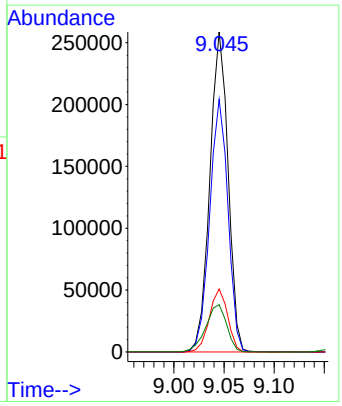
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

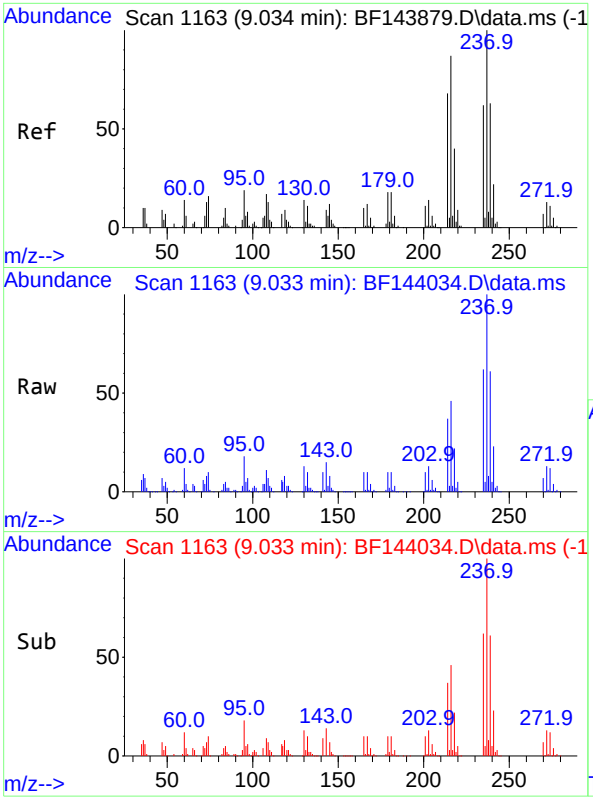


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.997 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:216 Resp: 327097

Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.6	94.0
179	19.8	15.4	23.0
108	17.0	12.0	18.0





#41
Hexachlorocyclopentadiene
Concen: 99.056 ng
RT: 9.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

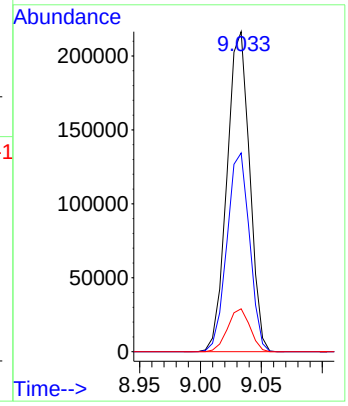
Tgt Ion:237 Resp: 28005

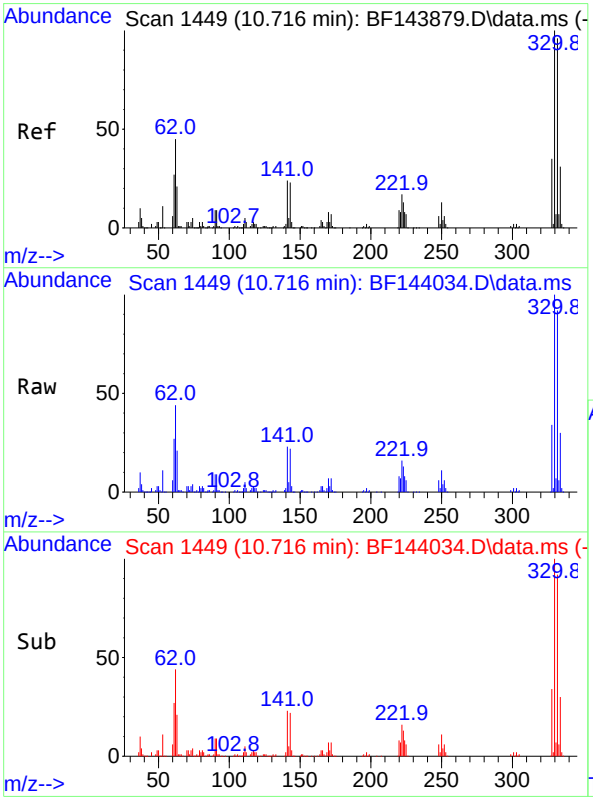
Ion	Ratio	Lower	Upper
237	100		
235	62.1	42.3	82.3
272	13.4	0.0	33.1

Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

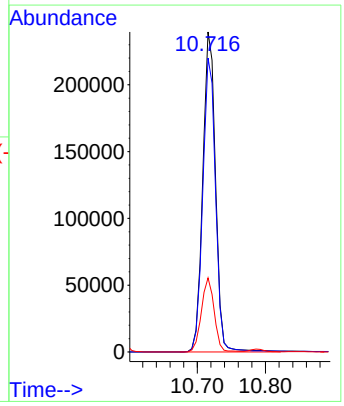


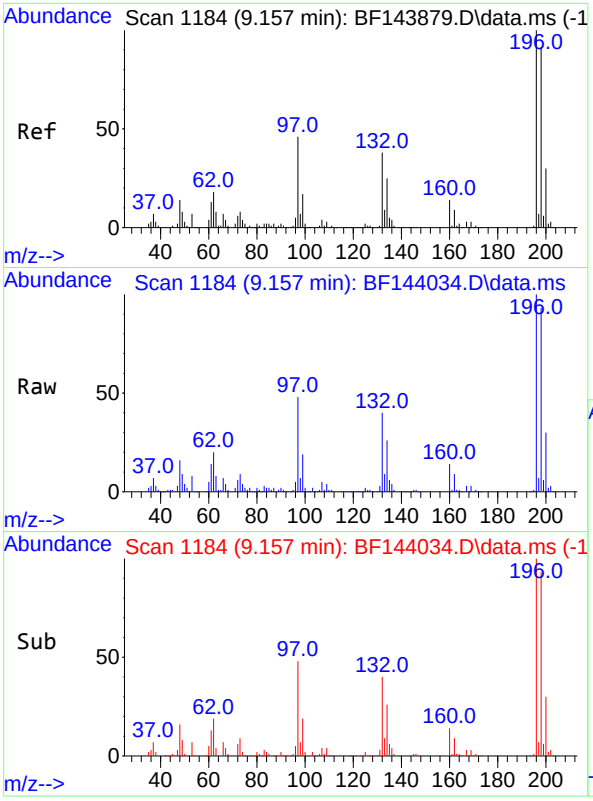


#42
2,4,6-Tribromophenol
Concen: 126.987 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:330 Resp: 311869

Ion	Ratio	Lower	Upper
330	100		
332	92.5	76.9	115.3
141	23.2	20.2	30.4

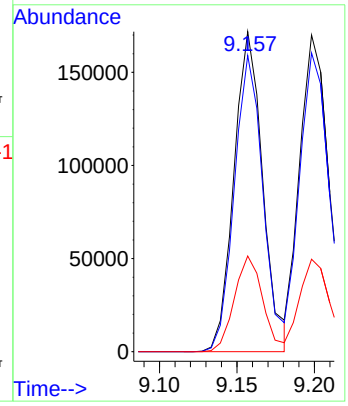




#43
2,4,6-Trichlorophenol
Concen: 44.535 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:196 Resp: 22175

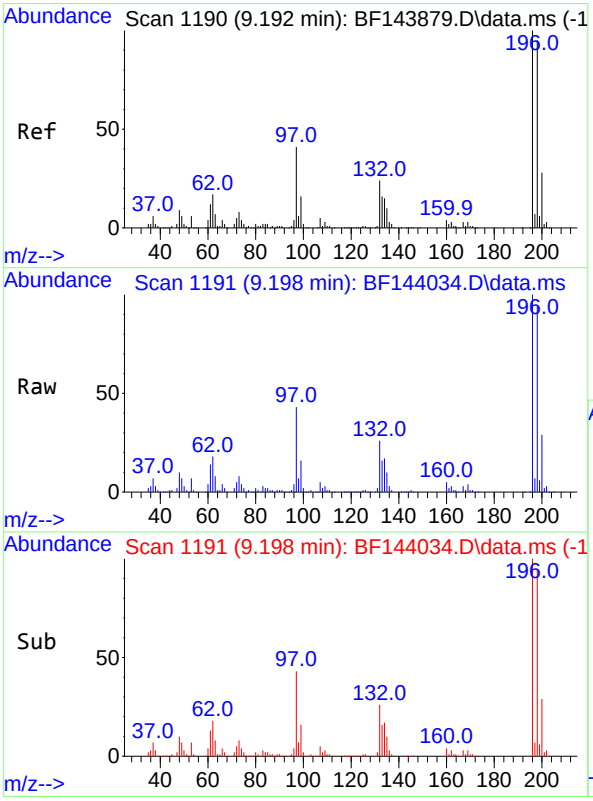
Ion	Ratio	Lower	Upper
196	100		
198	92.6	72.8	109.2
200	29.9	24.0	36.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

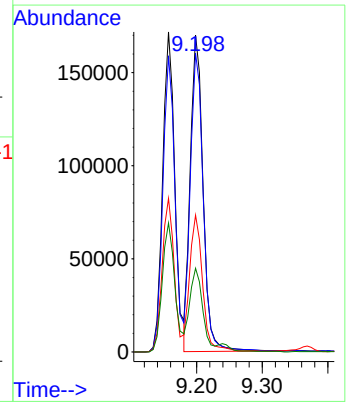
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

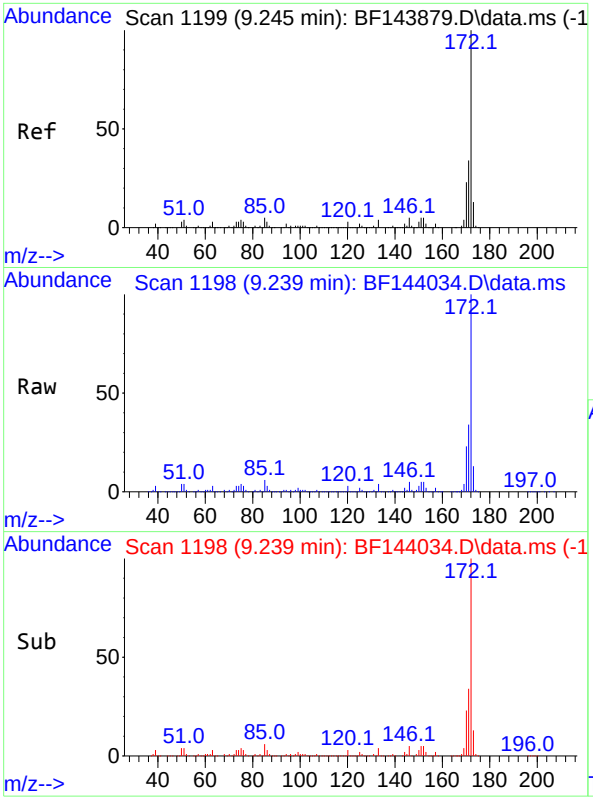


#44
2,4,5-Trichlorophenol
Concen: 43.543 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:196 Resp: 229126

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.5	113.3
97	43.2	33.9	50.9
132	26.4	20.0	30.0

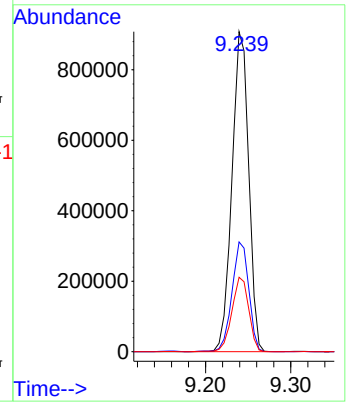




#45
2-Fluorobiphenyl
Concen: 79.576 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:172 Resp: 123657

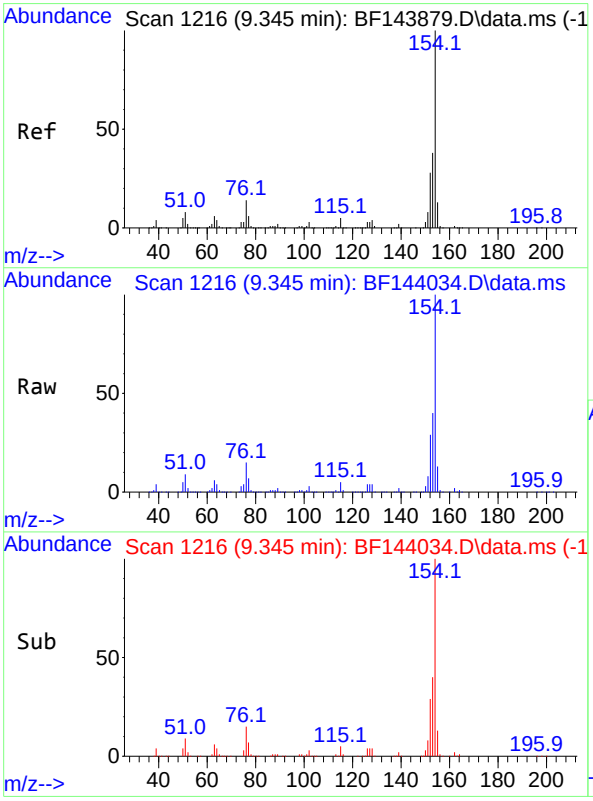
Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.4	41.0
170	23.3	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

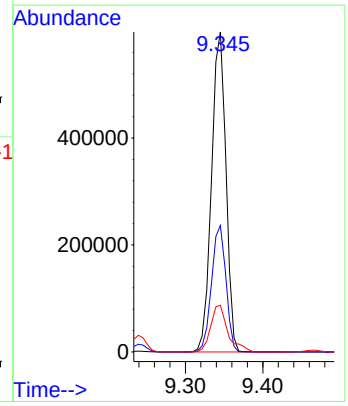
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

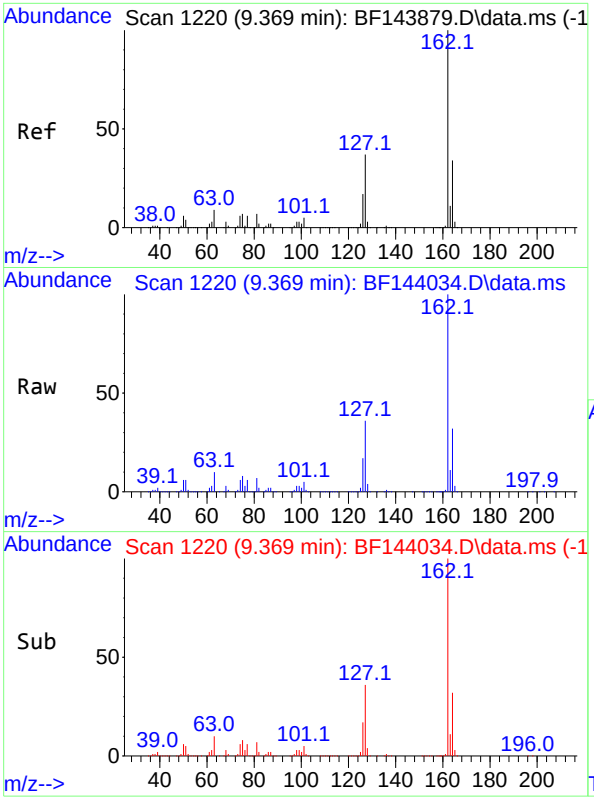


#46
1,1'-Biphenyl
Concen: 47.382 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:154 Resp: 773525

Ion	Ratio	Lower	Upper
154	100		
153	39.5	18.4	58.4
76	14.6	0.0	34.0

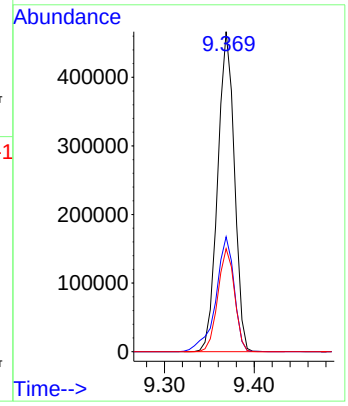




#47
2-Chloronaphthalene
Concen: 44.221 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:162 Resp: 60190

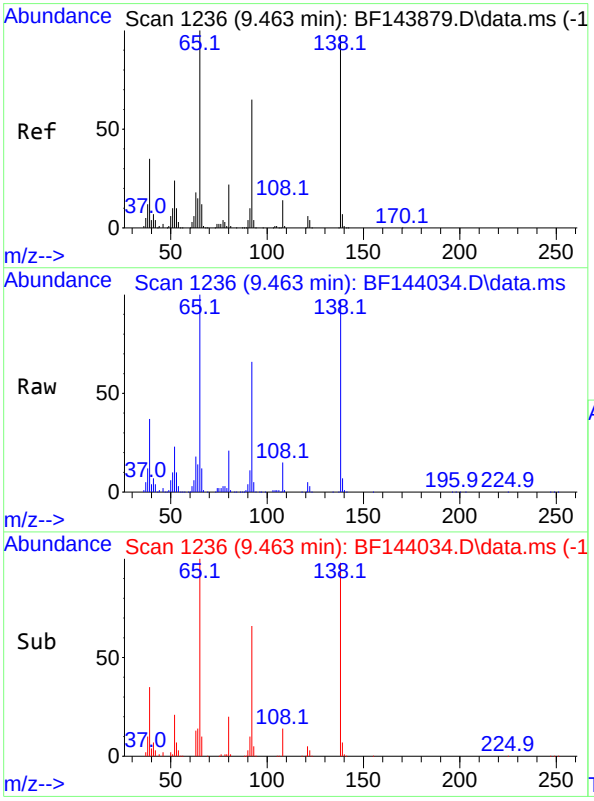
Ion	Ratio	Lower	Upper
162	100		
127	35.9	30.2	45.2
164	32.2	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

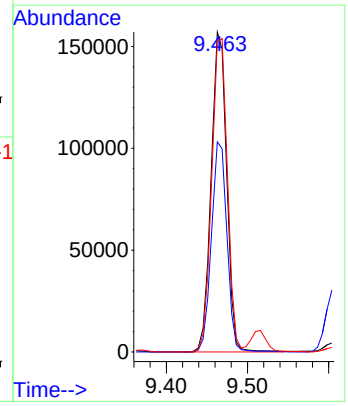
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

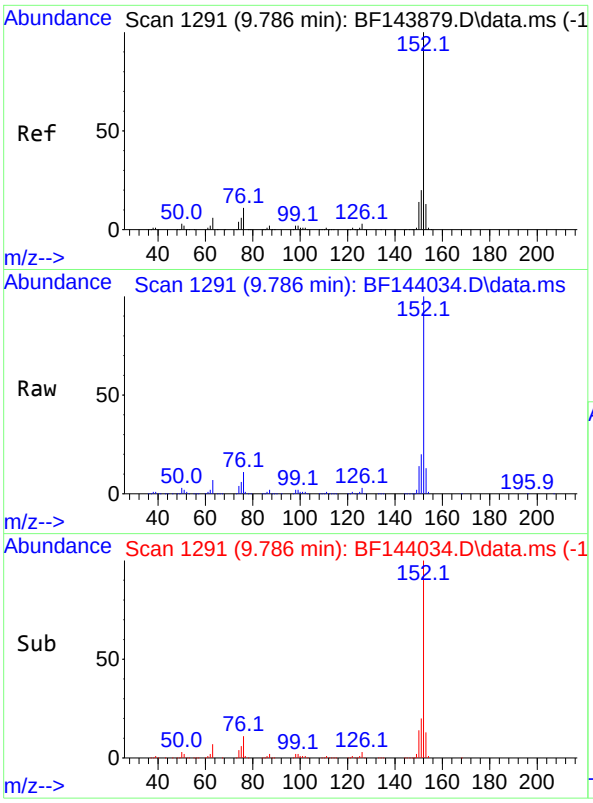


#48
2-Nitroaniline
Concen: 48.439 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion: 65 Resp: 208448

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.1	78.1
138	97.0	77.4	116.2

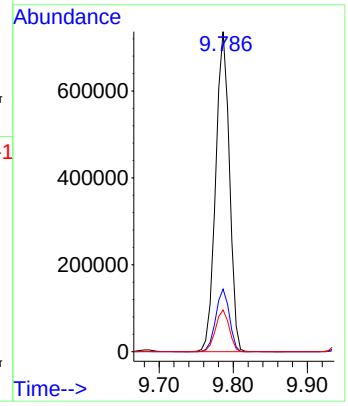




#49
Acenaphthylene
Concen: 49.554 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:152 Resp: 94824

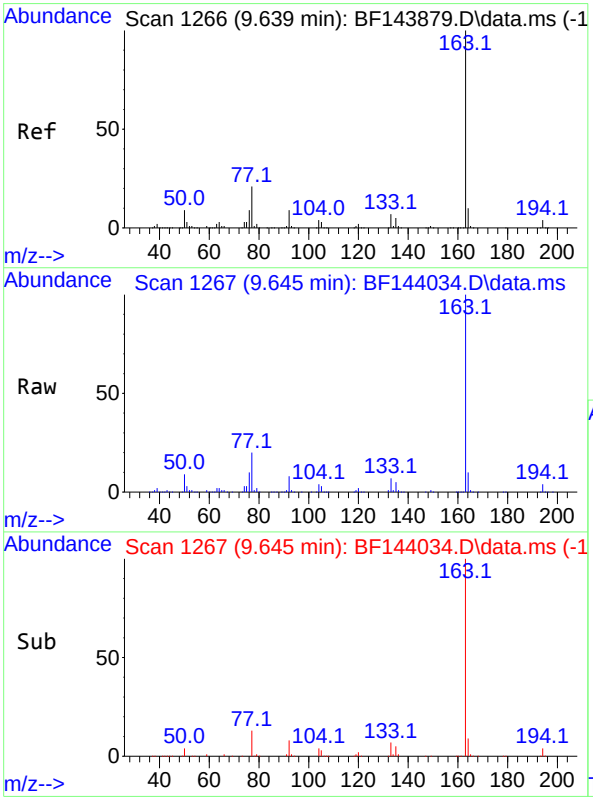
Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	13.0	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

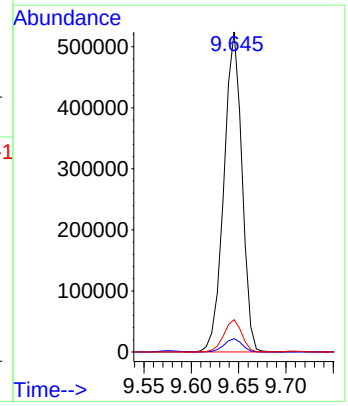
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

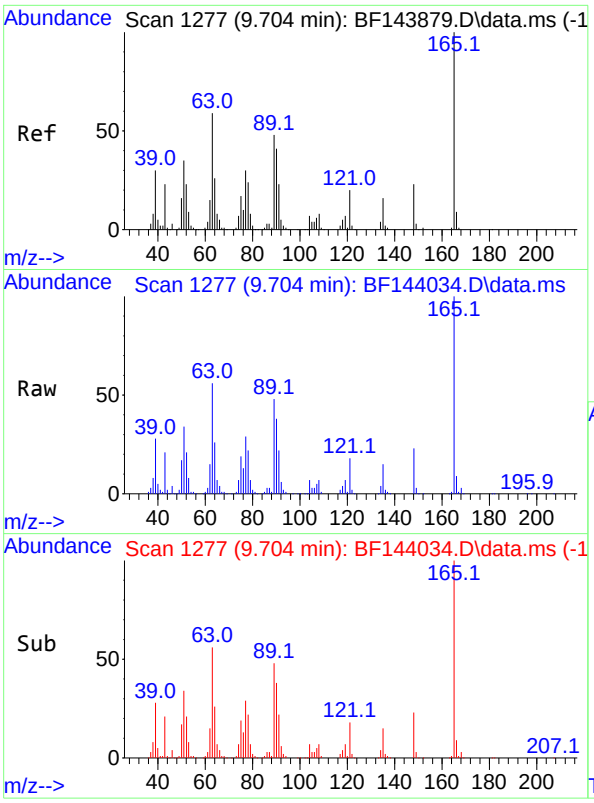


#50
Dimethylphthalate
Concen: 44.420 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:163 Resp: 695536

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.1	8.1	12.1

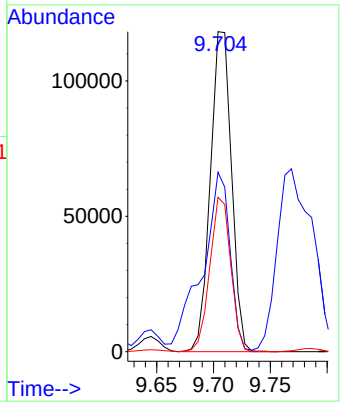




#51
2,6-Dinitrotoluene
Concen: 52.872 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:165 Resp: 15351

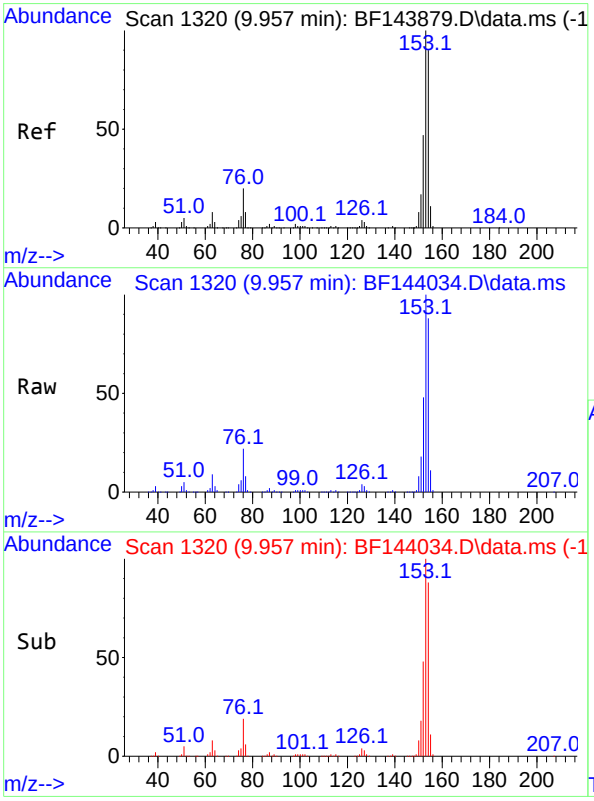
Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.3	70.9
89	48.3	38.2	57.4



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

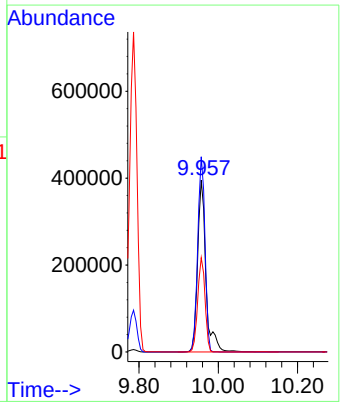
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

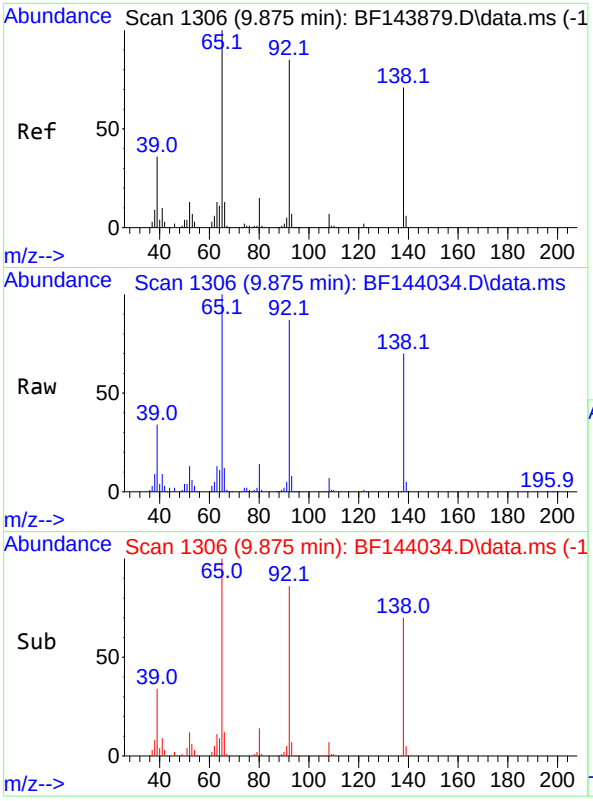


#52
Acenaphthene
Concen: 45.911 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:154 Resp: 575664

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.3	133.9
152	54.8	42.2	63.2

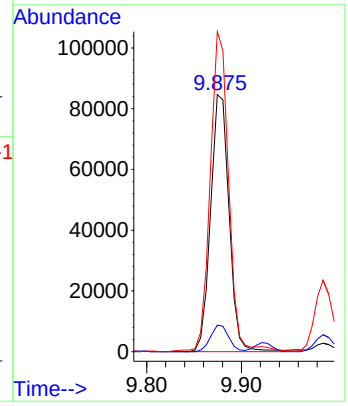




#53
3-Nitroaniline
Concen: 32.221 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:138 Resp: 11455

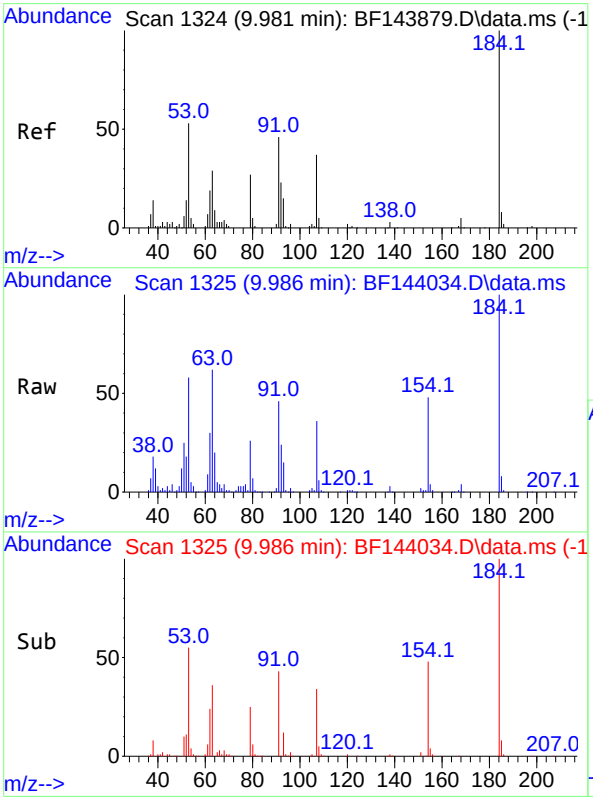
Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.3	12.5
92	124.5	96.2	144.2



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

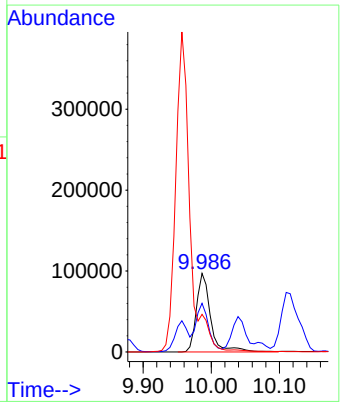
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

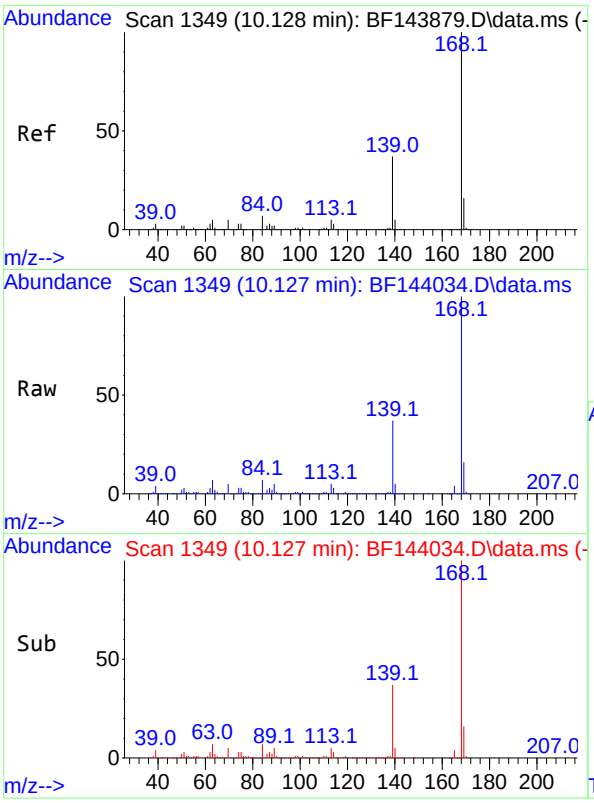


#54
2,4-Dinitrophenol
Concen: 78.686 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:184 Resp: 140703

Ion	Ratio	Lower	Upper
184	100		
63	62.0	48.2	72.4
154	47.9	49.2	73.8#

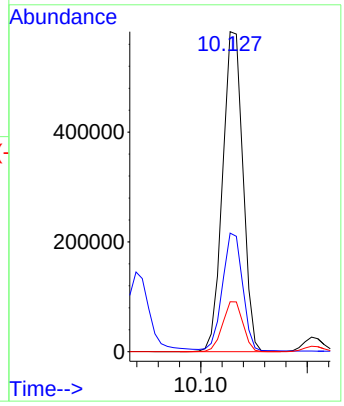




#55
Dibenzofuran
Concen: 43.513 ng
RT: 10.127 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:168 Resp: 77016

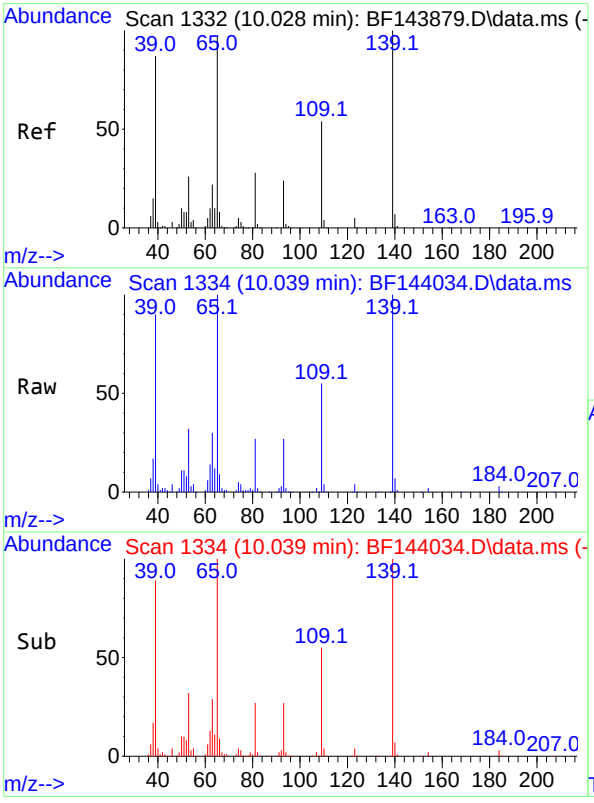
Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.8
169	15.6	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

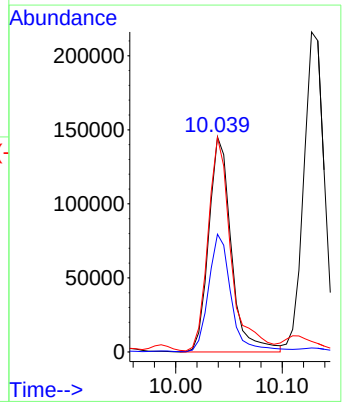
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

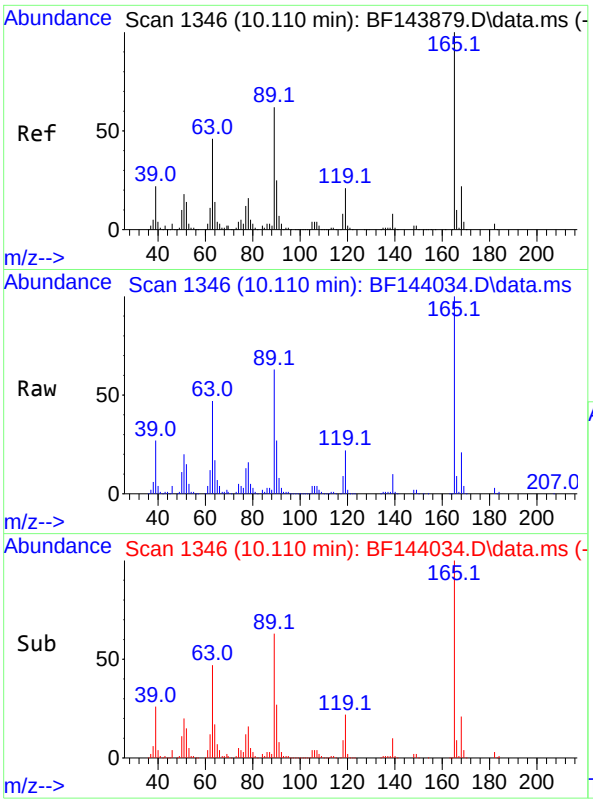


#56
4-Nitrophenol
Concen: 79.453 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:139 Resp: 213879

Ion	Ratio	Lower	Upper
139	100		
109	54.8	34.5	74.5
65	99.9	77.6	117.6

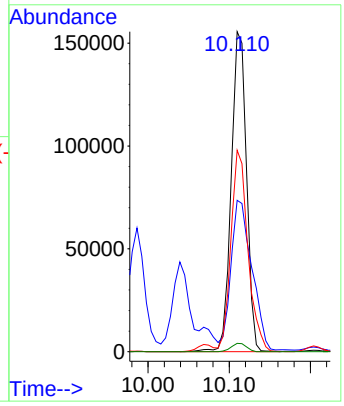




#57
2,4-Dinitrotoluene
Concen: 51.399 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:165 Resp: 20305

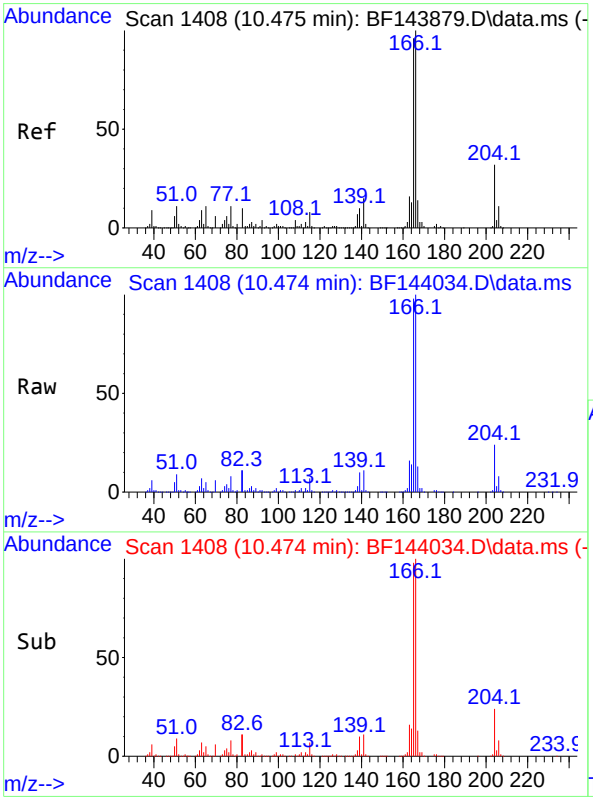
Ion	Ratio	Lower	Upper
165	100		
63	47.3	37.2	55.8
89	63.0	49.4	74.2
182	2.6	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

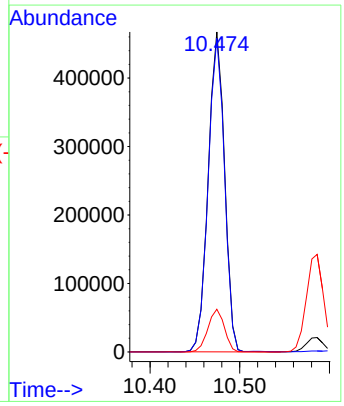
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

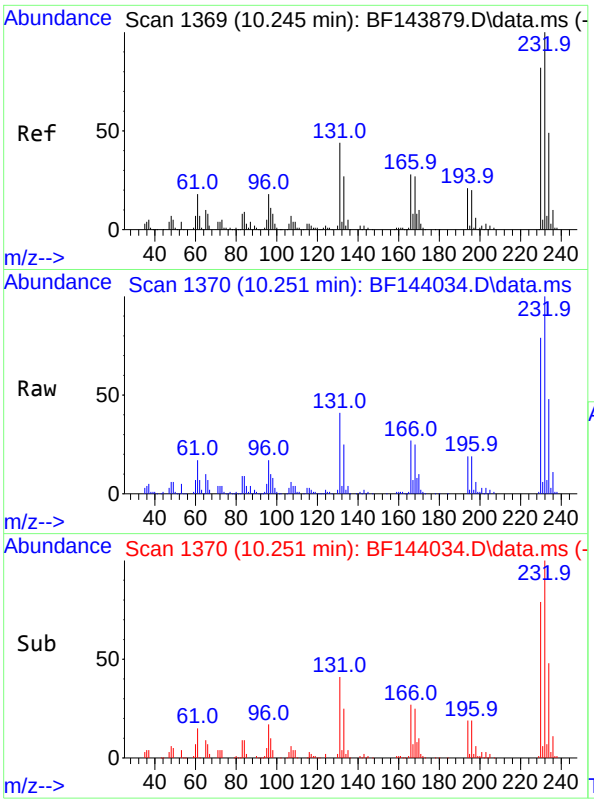


#58
Fluorene
Concen: 44.357 ng
RT: 10.474 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:166 Resp: 592420

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.0	115.6
167	13.4	11.1	16.7

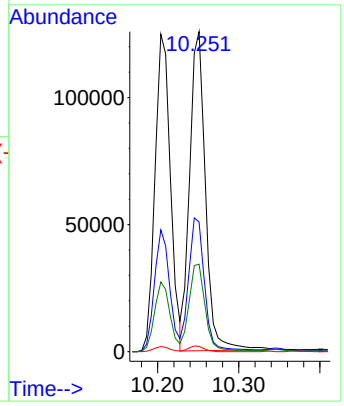




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.739 ng
RT: 10.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:232 Resp: 17037

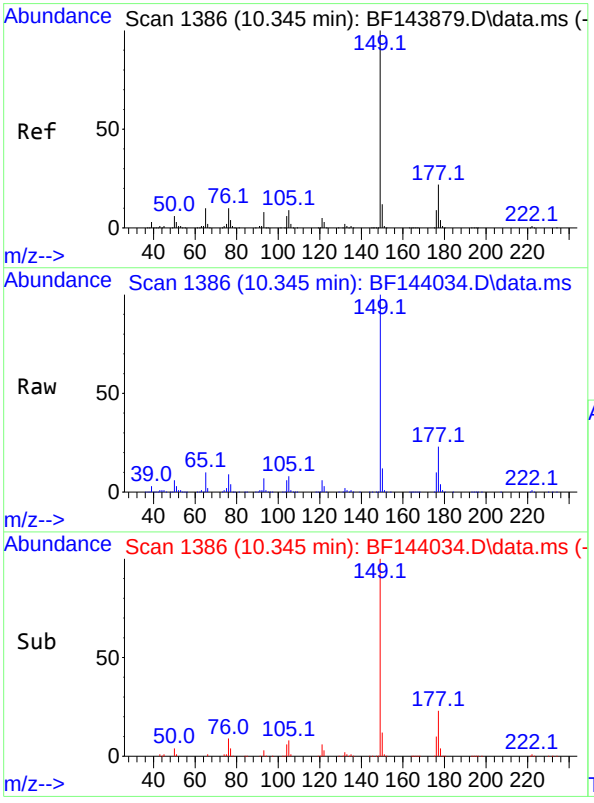
Ion	Ratio	Lower	Upper
232	100		
131	42.0	34.9	52.3
130	1.7	1.6	2.4
166	27.3	22.0	33.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

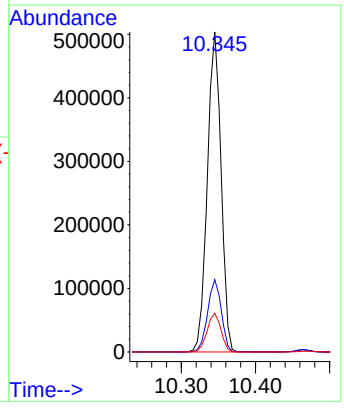
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

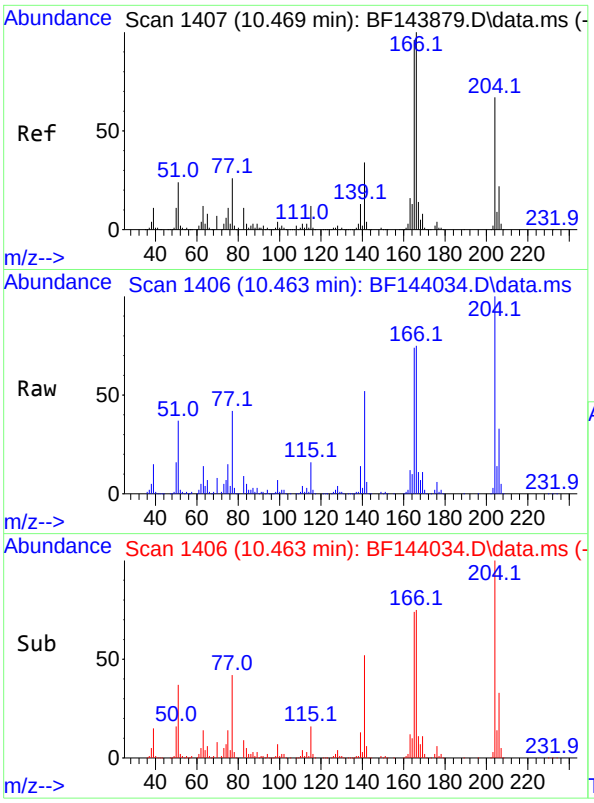


#60
Diethylphthalate
Concen: 44.534 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:149 Resp: 647831

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.9	26.9
150	12.1	9.8	14.8

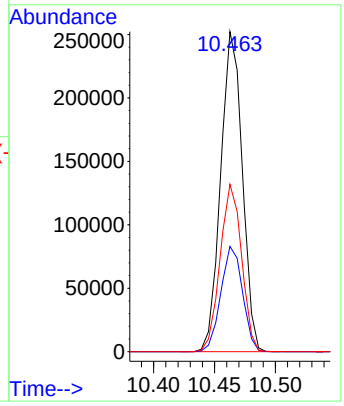




#61
4-Chlorophenyl-phenylether
Concen: 44.073 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:204 Resp: 31120

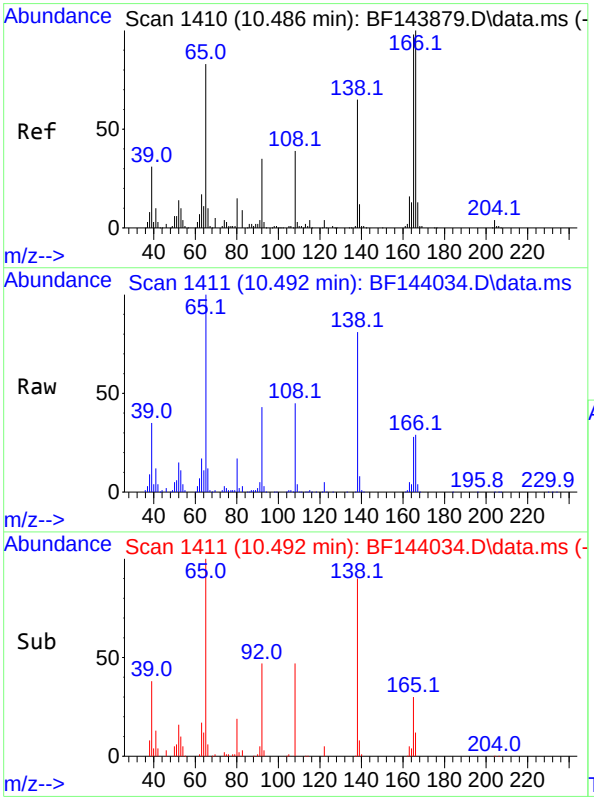
Ion	Ratio	Lower	Upper
204	100		
206	32.9	26.6	40.0
141	52.3	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

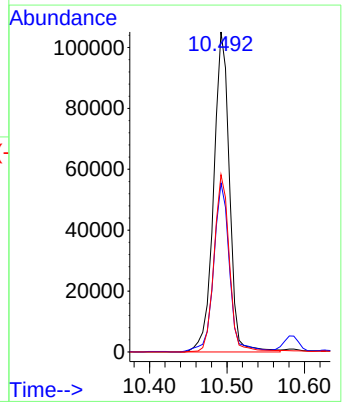
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

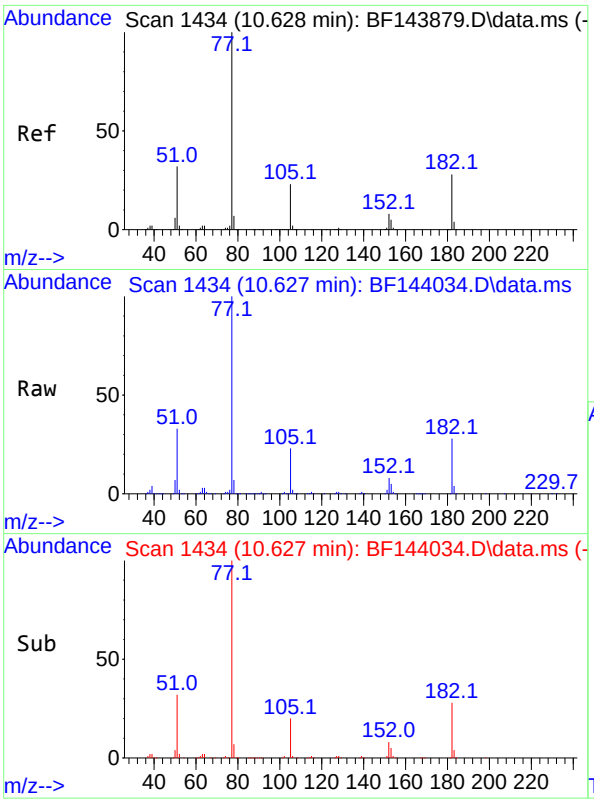


#62
4-Nitroaniline
Concen: 43.698 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:138 Resp: 149396

Ion	Ratio	Lower	Upper
138	100		
92	52.8	33.9	73.9
108	55.4	40.2	80.2

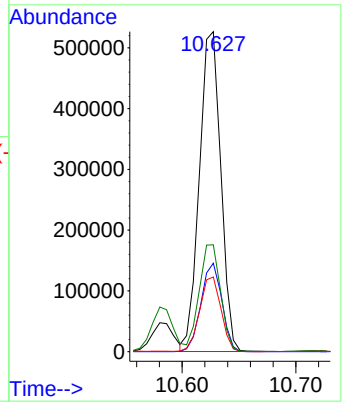




#63
Azobenzene
Concen: 45.371 ng
RT: 10.627 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

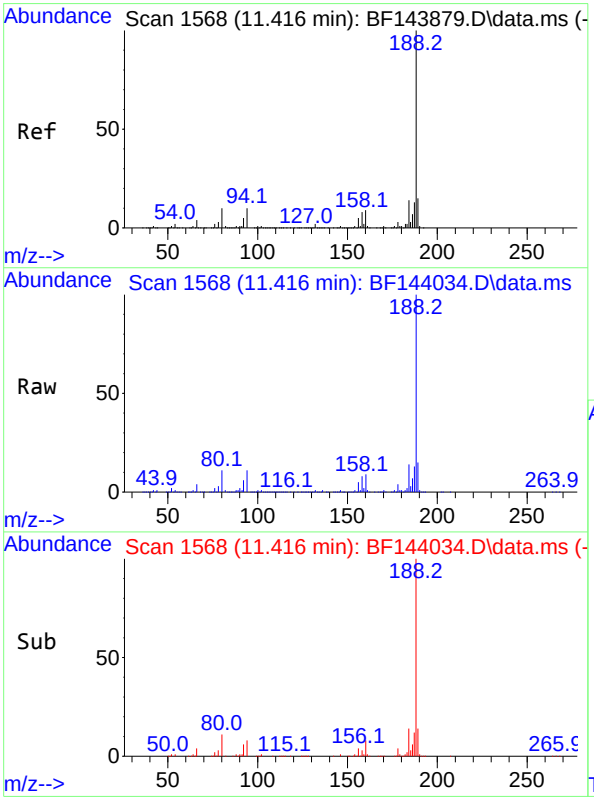
Tgt Ion: 77 Resp: 68978

Ion	Ratio	Lower	Upper
77	100		
182	27.7	7.3	47.3
105	23.4	3.0	43.0
51	33.4	13.5	53.5



Instrument :
BNA_F
ClientSampleId :
PB170180BS

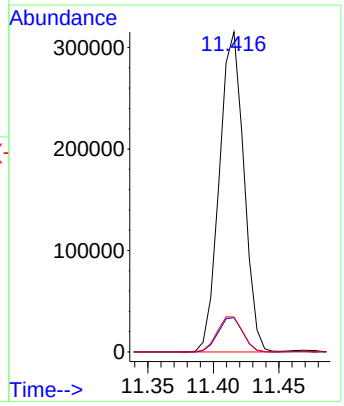
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

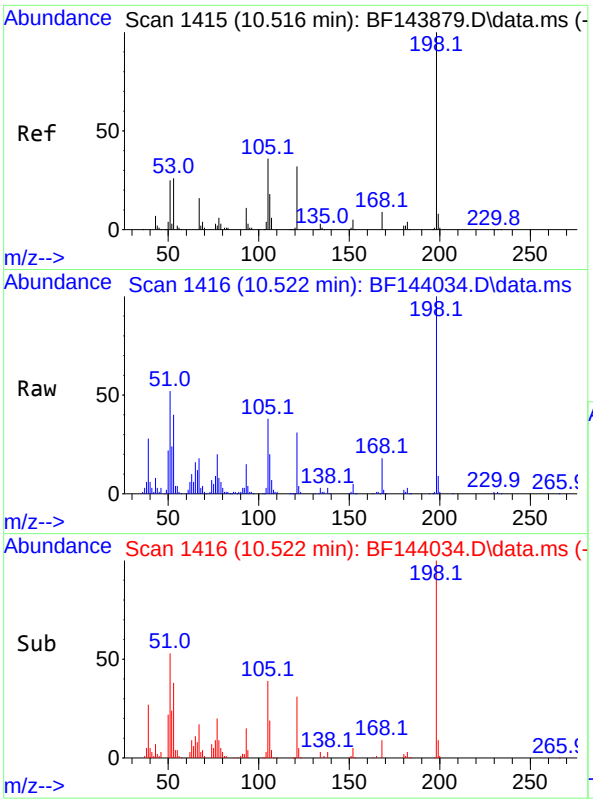


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:188 Resp: 409864

Ion	Ratio	Lower	Upper
188	100		
94	10.7	7.8	11.6
80	10.9	7.9	11.9

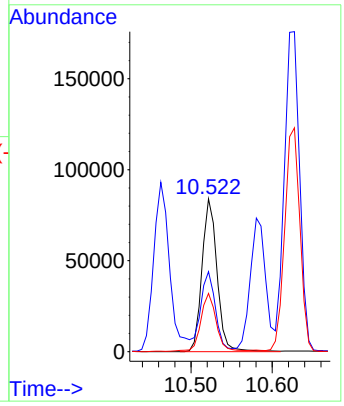




#65
4,6-Dinitro-2-methylphenol
Concen: 52.568 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:198 Resp: 10827

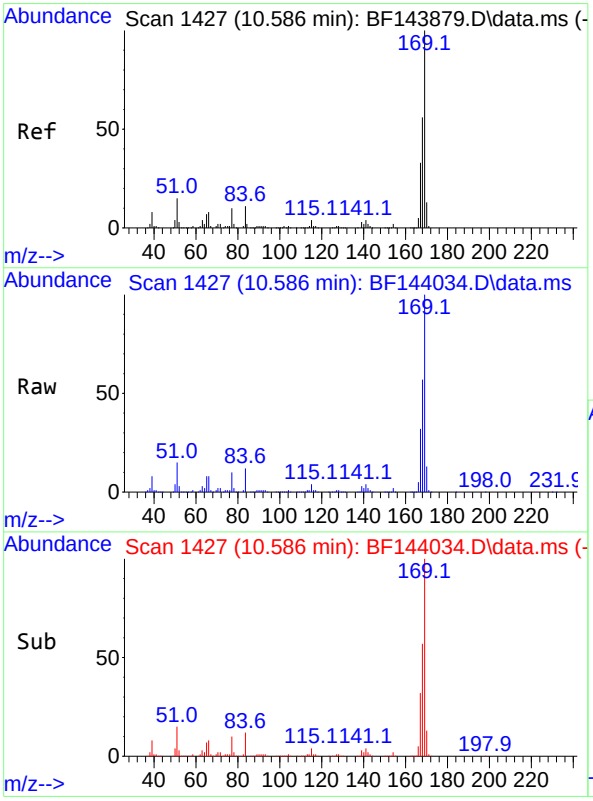
Ion	Ratio	Lower	Upper
198	100		
51	52.3	33.8	73.8
105	38.1	17.0	57.0



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

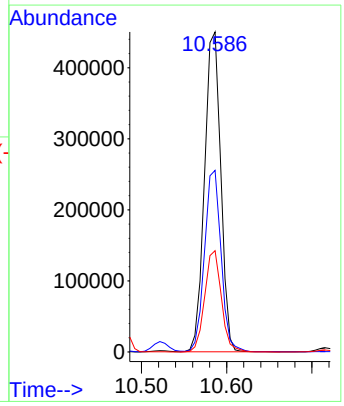
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

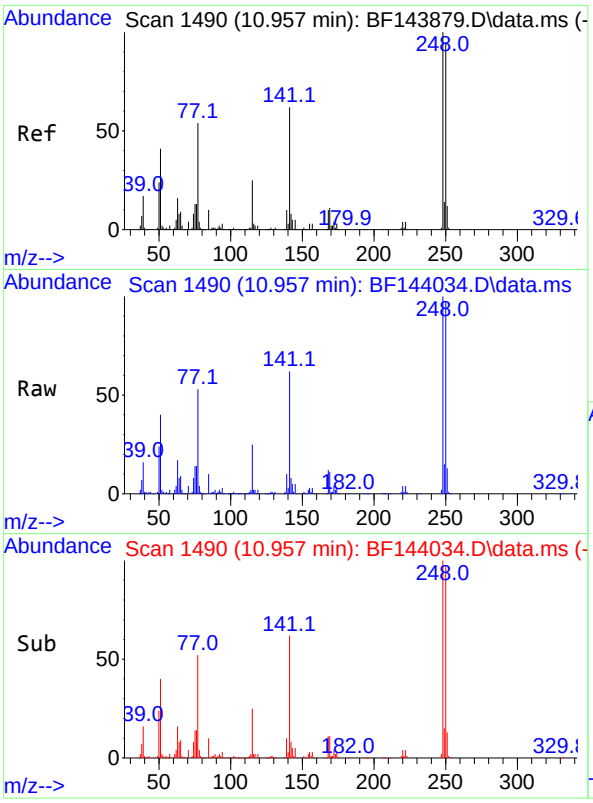


#66
n-Nitrosodiphenylamine
Concen: 46.319 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:169 Resp: 596101

Ion	Ratio	Lower	Upper
169	100		
168	56.8	44.9	67.3
167	31.6	26.3	39.5

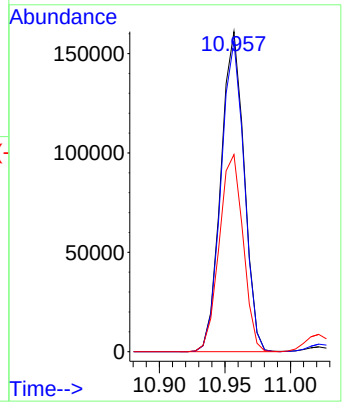




#67
4-Bromophenyl-phenylether
Concen: 43.730 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:248 Resp: 19808

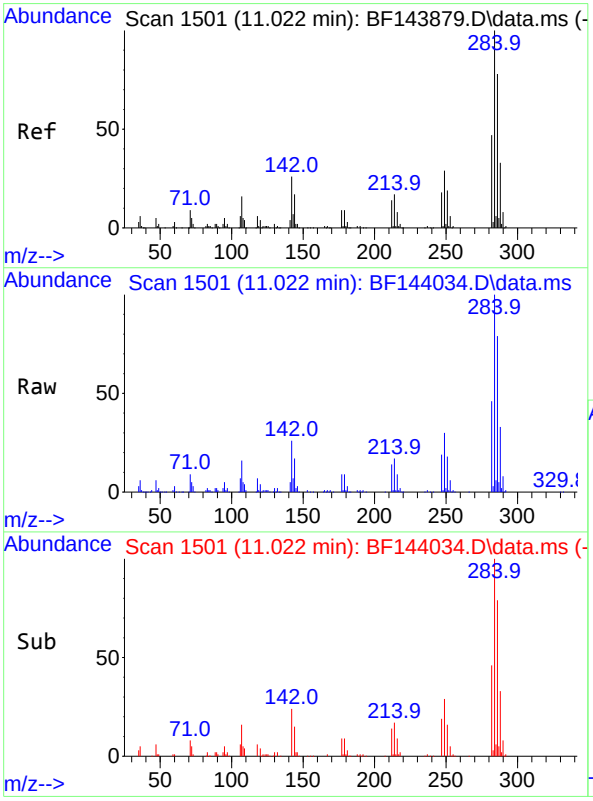
Ion	Ratio	Lower	Upper
248	100		
250	97.0	76.3	114.5
141	61.6	49.7	74.5



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

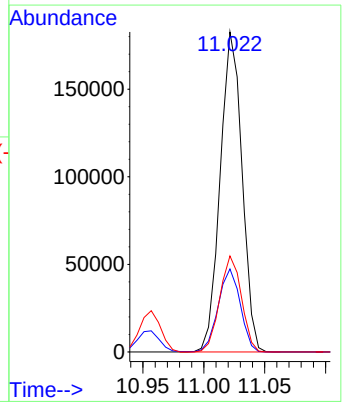
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

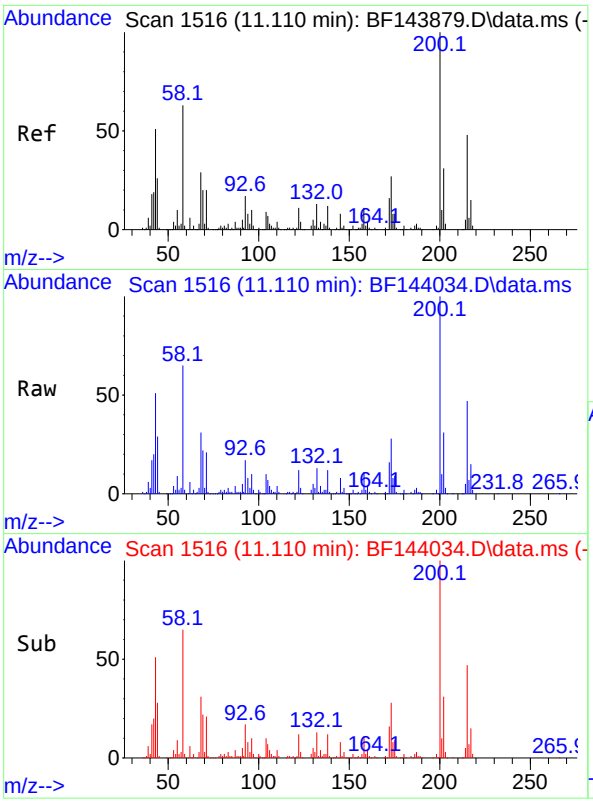


#68
Hexachlorobenzene
Concen: 43.465 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:284 Resp: 227930

Ion	Ratio	Lower	Upper
284	100		
142	25.9	20.6	30.8
249	30.0	23.2	34.8

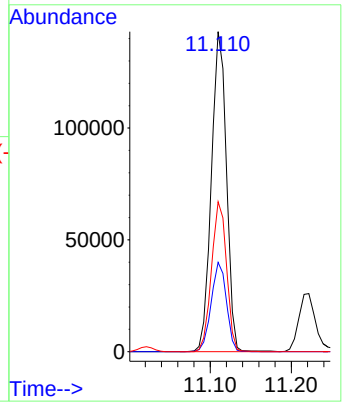




#69
Atrazine
Concen: 47.190 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:200 Resp: 18407

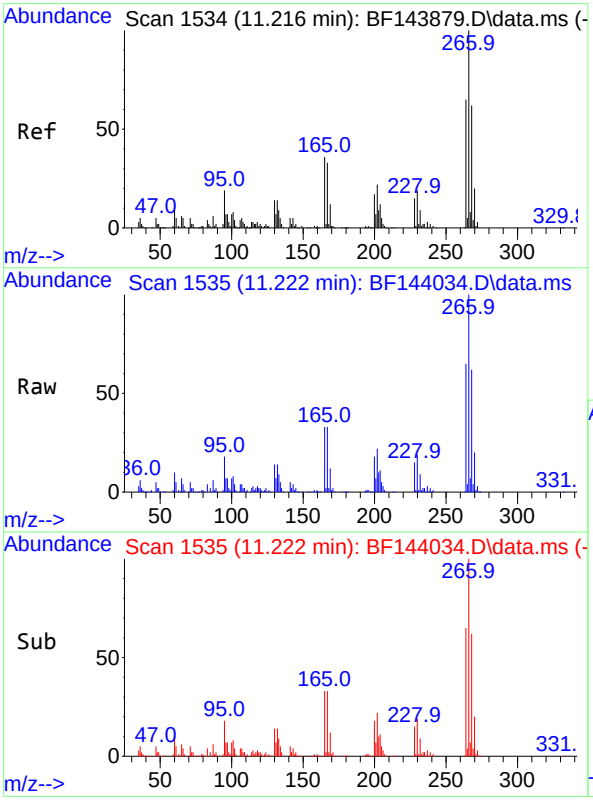
Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.0	47.0
215	46.8	27.8	67.8



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

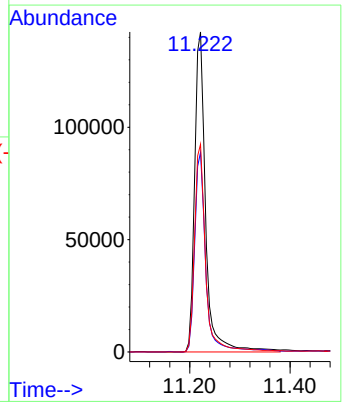
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

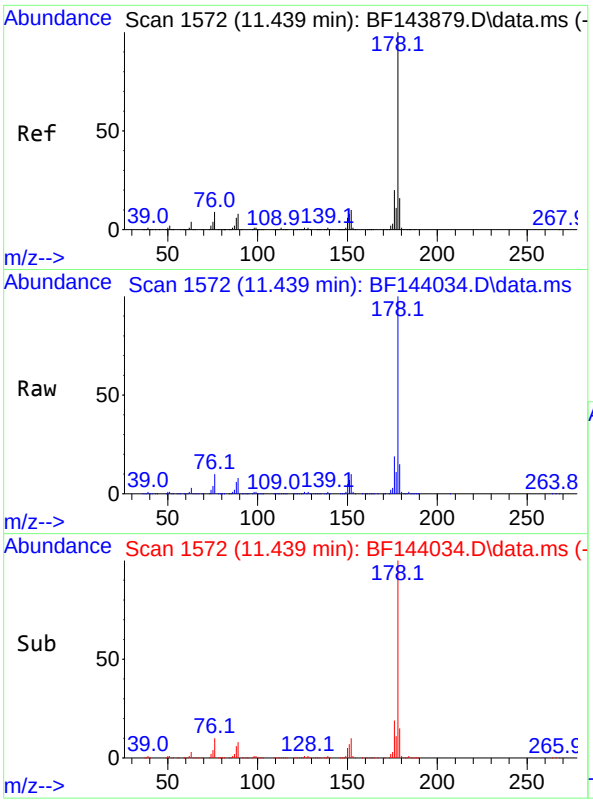


#70
Pentachlorophenol
Concen: 72.275 ng
RT: 11.222 min Scan# 1535
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:266 Resp: 217677

Ion	Ratio	Lower	Upper
266	100		
268	62.4	49.4	74.0
264	64.9	51.8	77.6

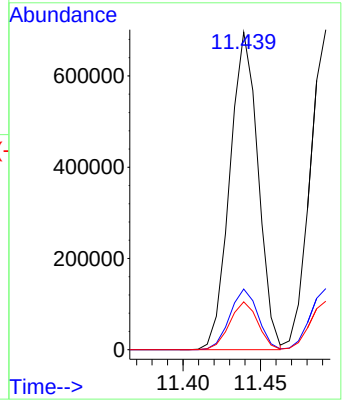




#71
Phenanthrene
Concen: 44.295 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:178 Resp: 88015

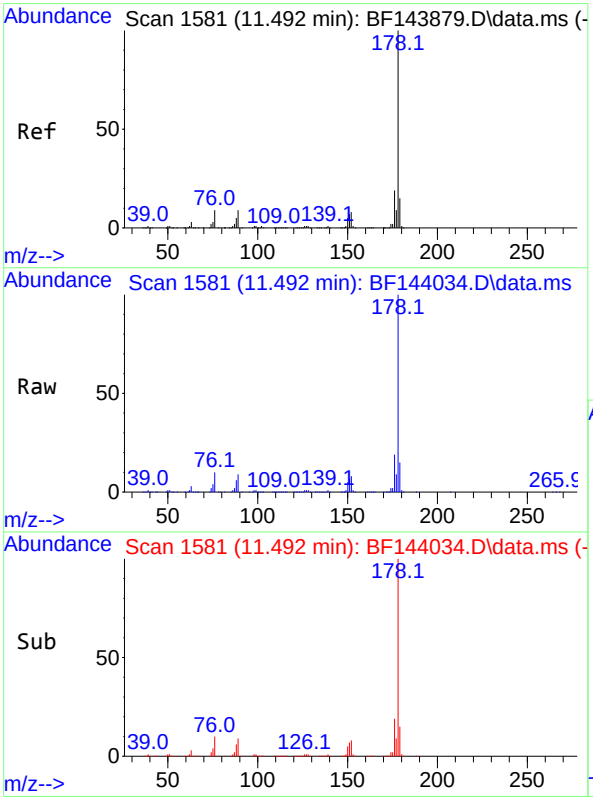
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.9	23.9
179	15.1	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

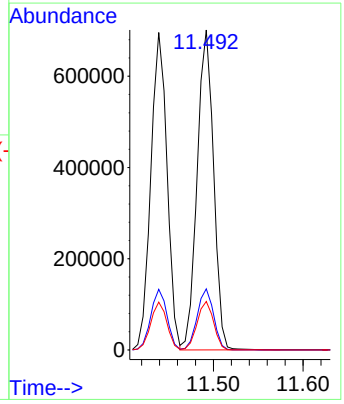
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

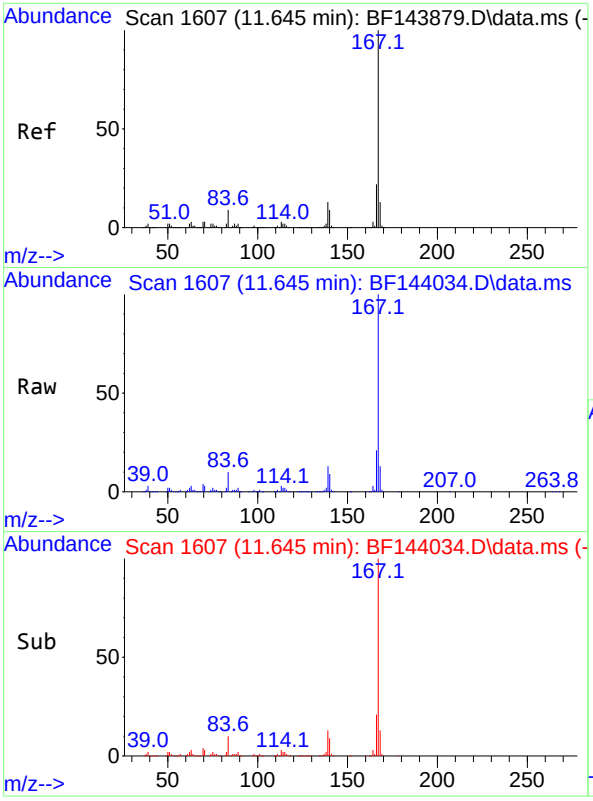


#72
Anthracene
Concen: 44.364 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:178 Resp: 890556

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.2	12.2	18.2

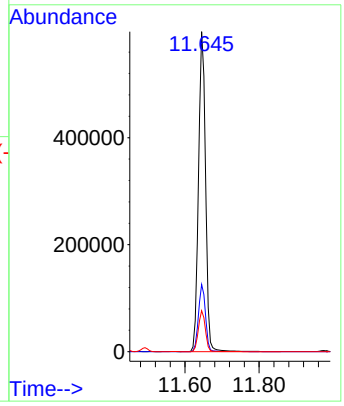




#73
Carbazole
Concen: 44.449 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:167 Resp: 79024

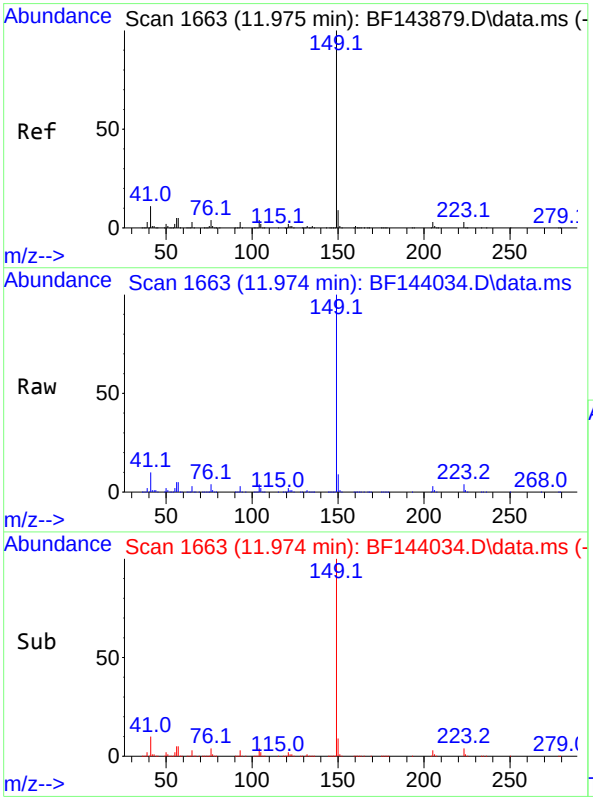
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.8	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

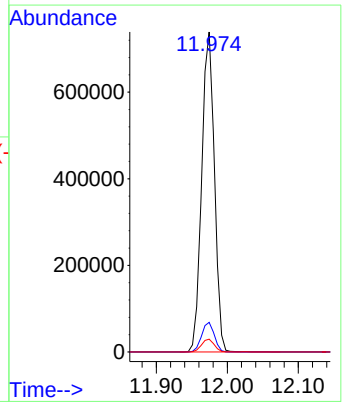
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

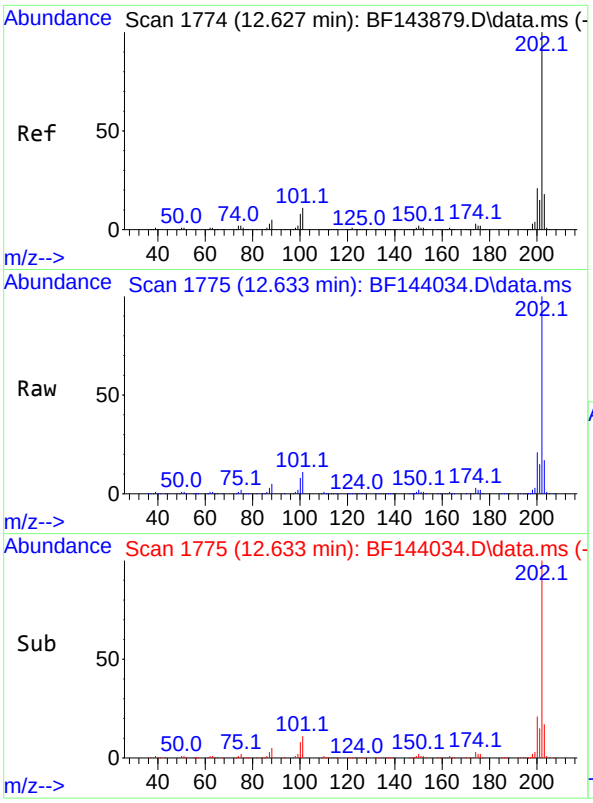


#74
Di-n-butylphthalate
Concen: 44.696 ng
RT: 11.974 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:149 Resp: 920963

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.0	3.4	5.2

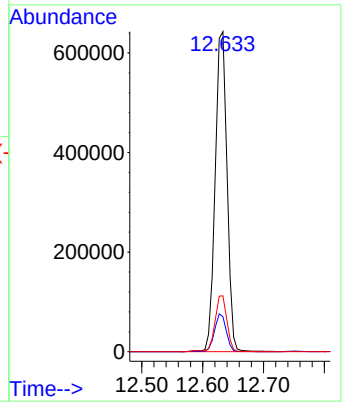




#75
Fluoranthene
Concen: 42.371 ng
RT: 12.633 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:202 Resp: 86964

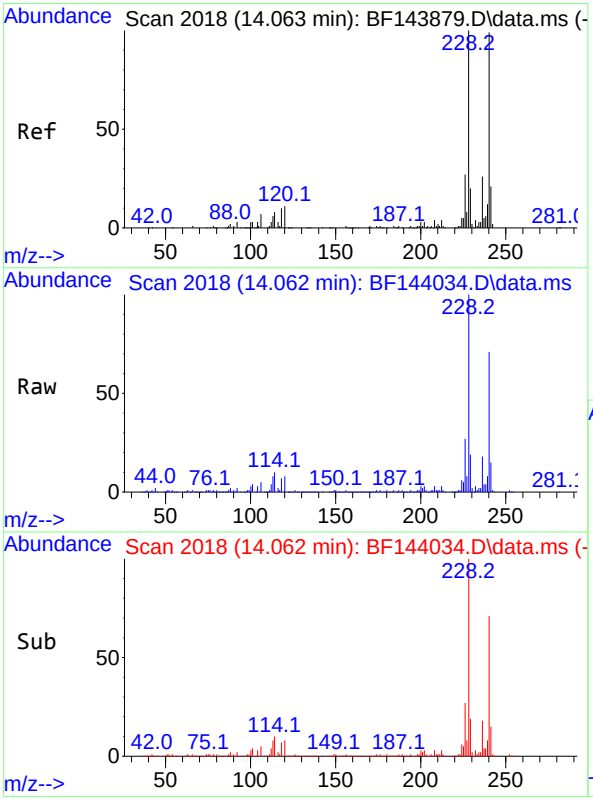
Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	30.7
203	17.5	0.0	37.8



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

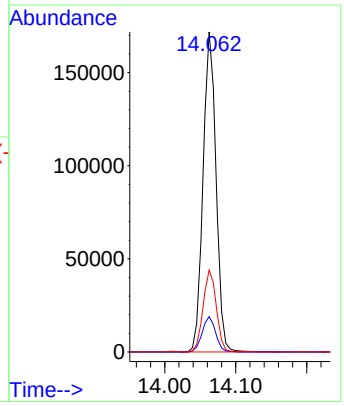
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

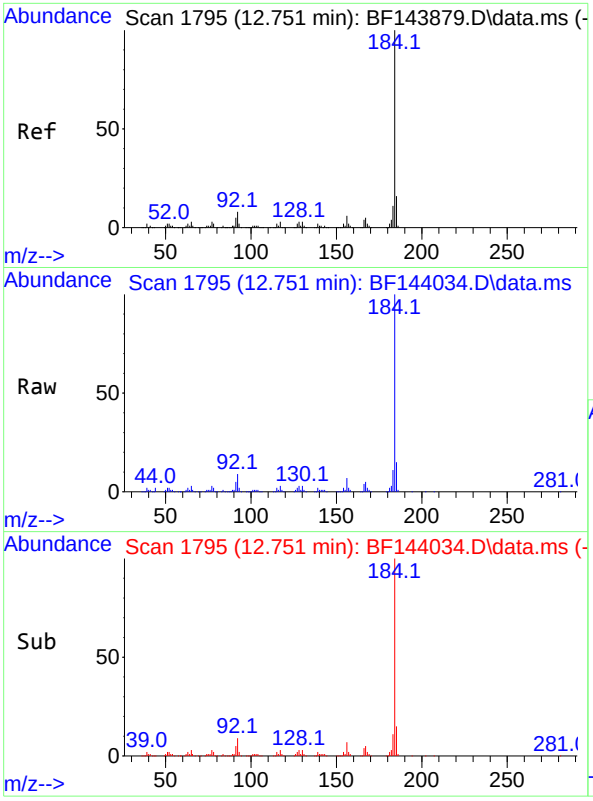


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.062 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:240 Resp: 219056

Ion	Ratio	Lower	Upper
240	100		
120	11.1	8.6	13.0
236	25.6	21.1	31.7

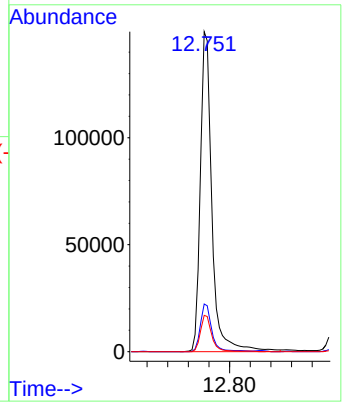




#77
Benzidine
Concen: 30.612 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:184 Resp: 23283

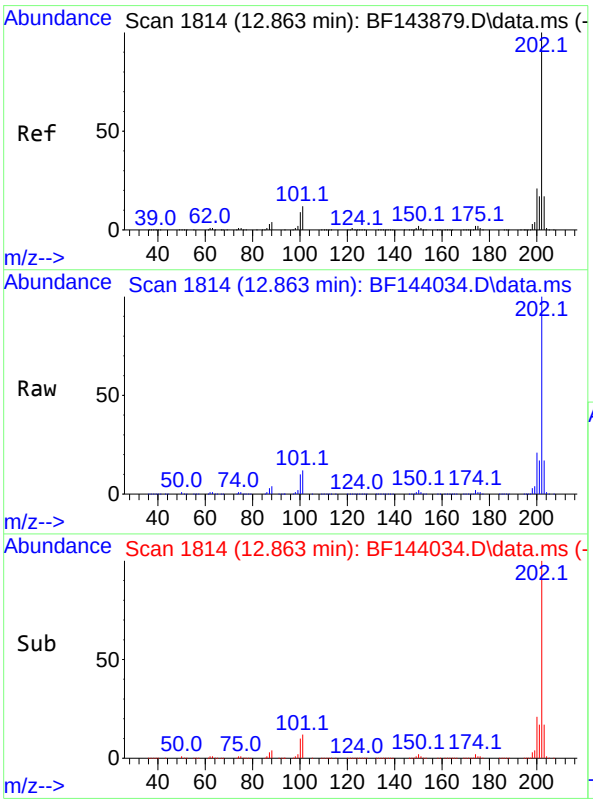
Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.6	18.8
183	11.4	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

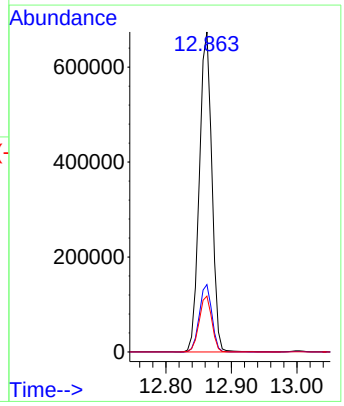
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

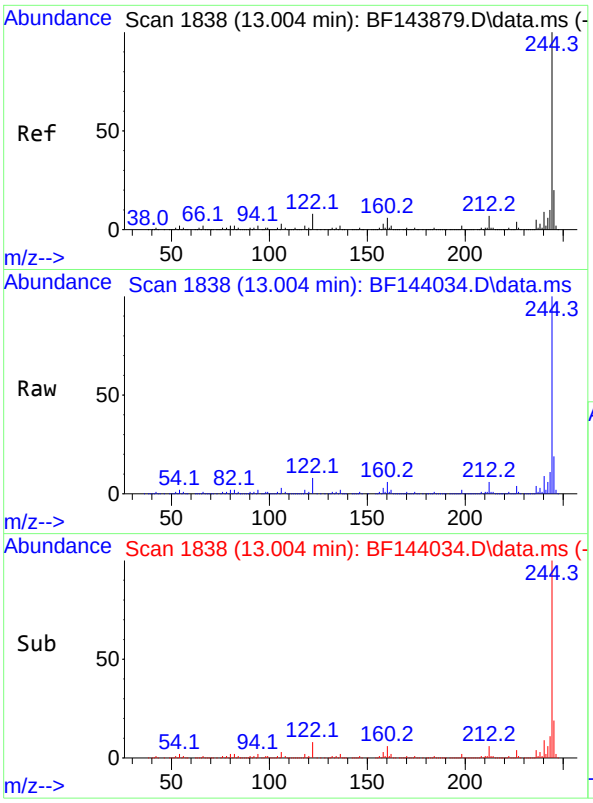


#78
Pyrene
Concen: 49.051 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:202 Resp: 895799

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	17.5	13.8	20.6

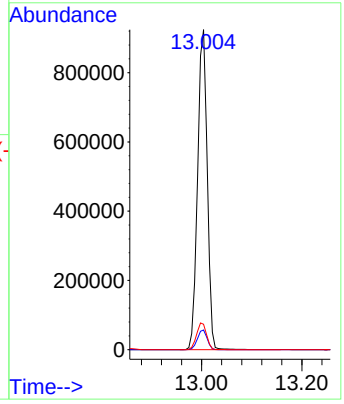




#79
Terphenyl-d14
Concen: 95.912 ng
RT: 13.004 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:244 Resp: 122932

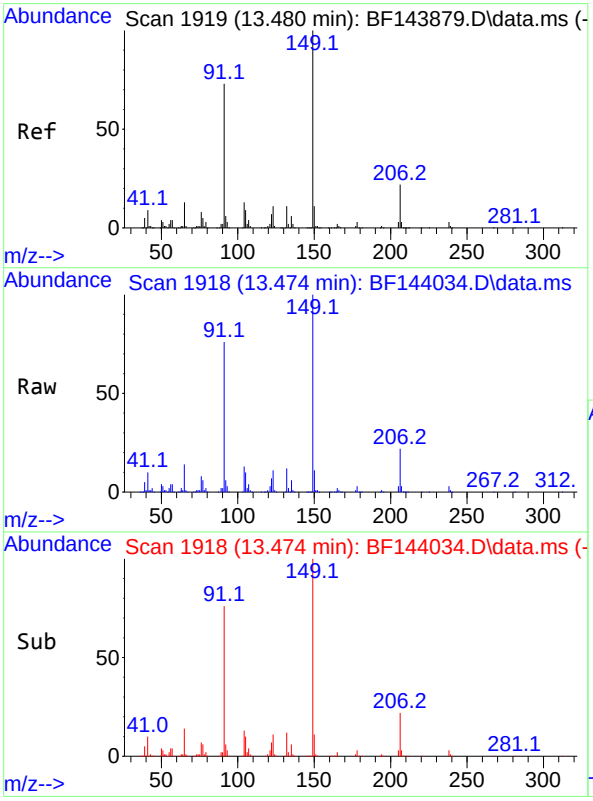
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.0
122	8.0	6.4	9.6



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

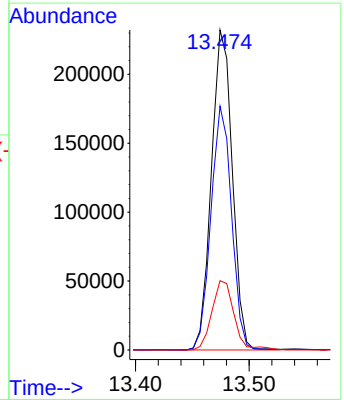
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

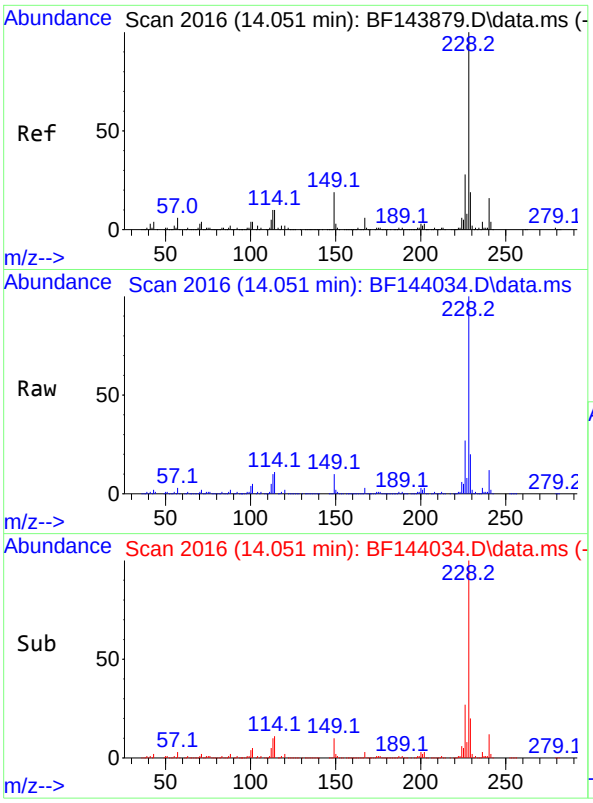


#80
Butylbenzylphthalate
Concen: 50.051 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:149 Resp: 296852

Ion	Ratio	Lower	Upper
149	100		
91	76.2	58.2	87.2
206	21.7	17.9	26.9

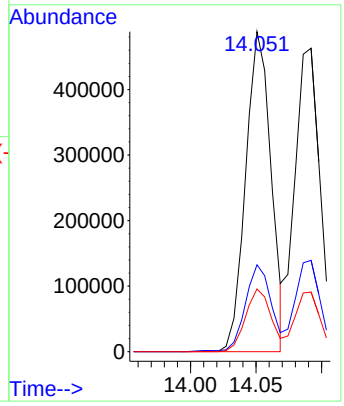




#81
Benzo(a)anthracene
Concen: 45.831 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

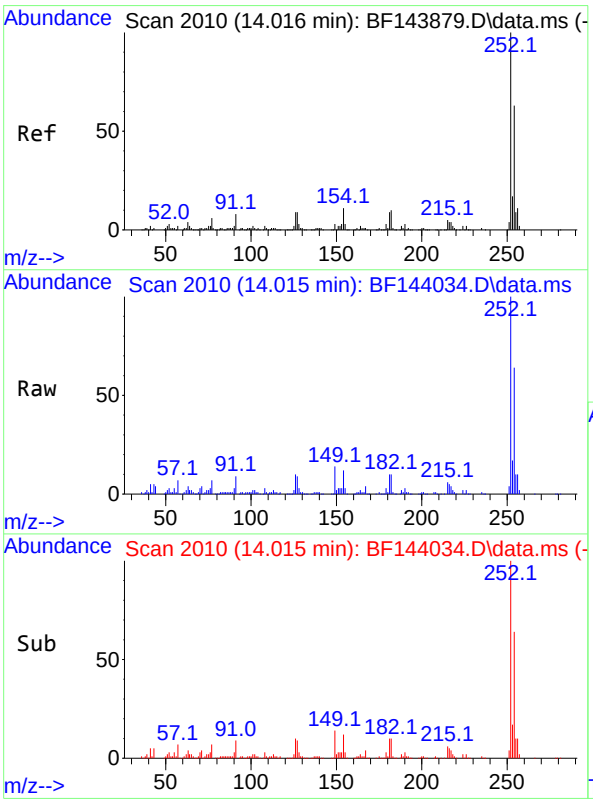
Tgt Ion:228 Resp: 65699

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.2	33.2
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PB170180BS

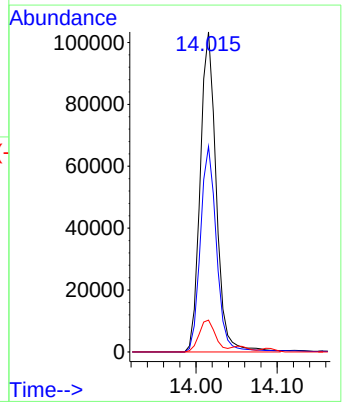
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

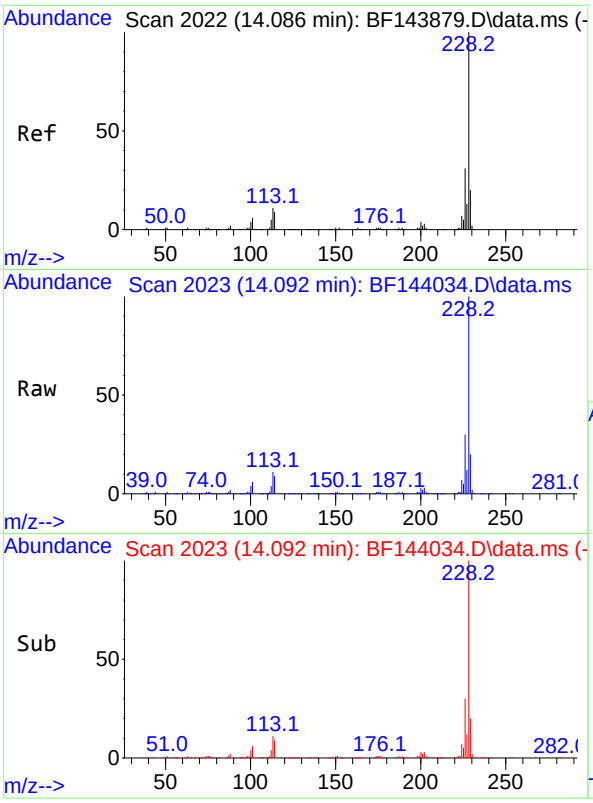


#82
3,3'-Dichlorobenzidine
Concen: 32.504 ng
RT: 14.015 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:252 Resp: 141998

Ion	Ratio	Lower	Upper
252	100		
254	64.2	50.6	76.0
126	10.0	7.0	10.6

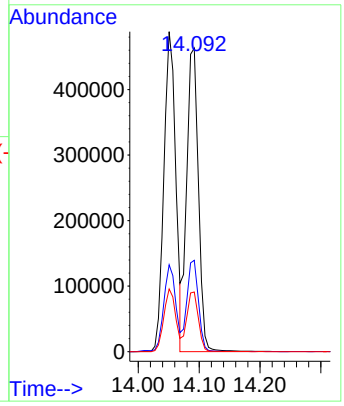




#83
Chrysene
Concen: 46.792 ng
RT: 14.092 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:228 Resp: 62081

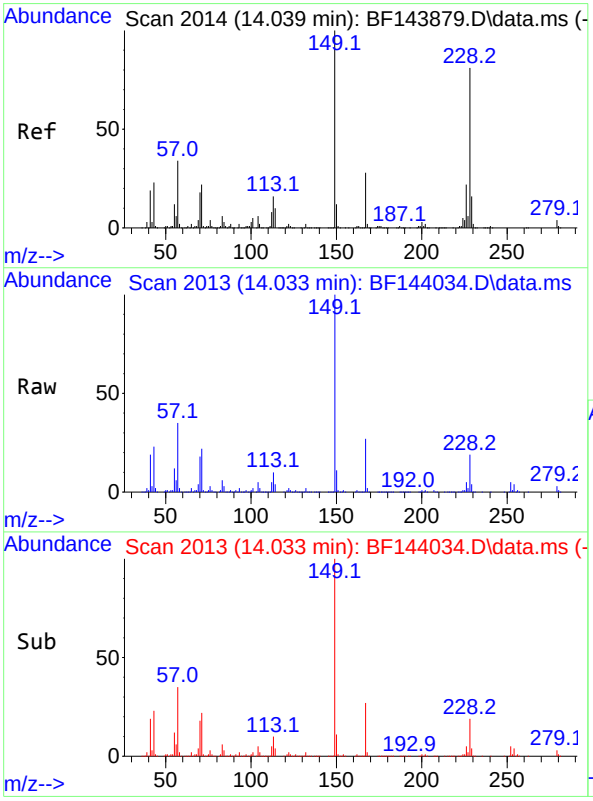
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.4	36.6
229	19.7	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

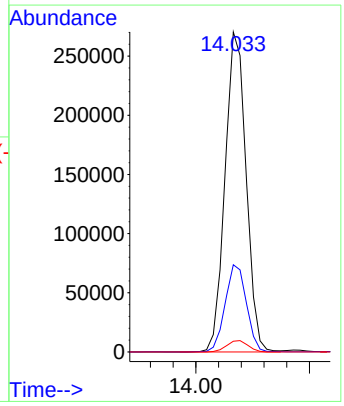
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

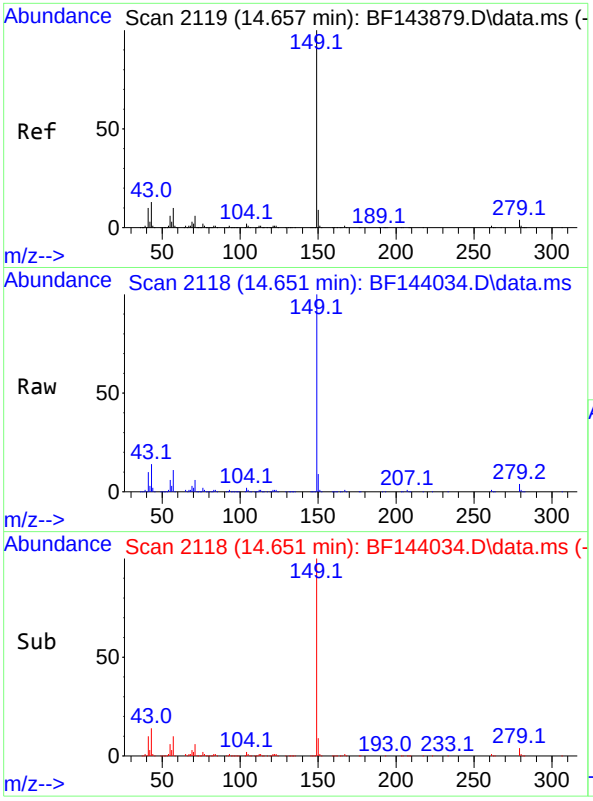


#84
Bis(2-ethylhexyl)phthalate
Concen: 48.738 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:149 Resp: 348458

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.2	33.4
279	3.4	3.1	4.7

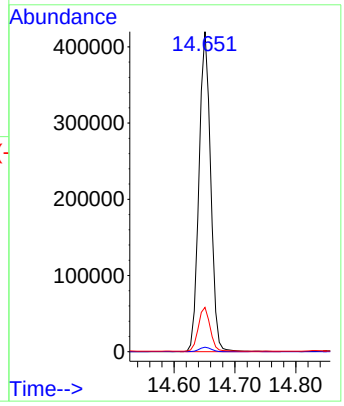




#85
Di-n-octyl phthalate
Concen: 47.402 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:149 Resp: 55663

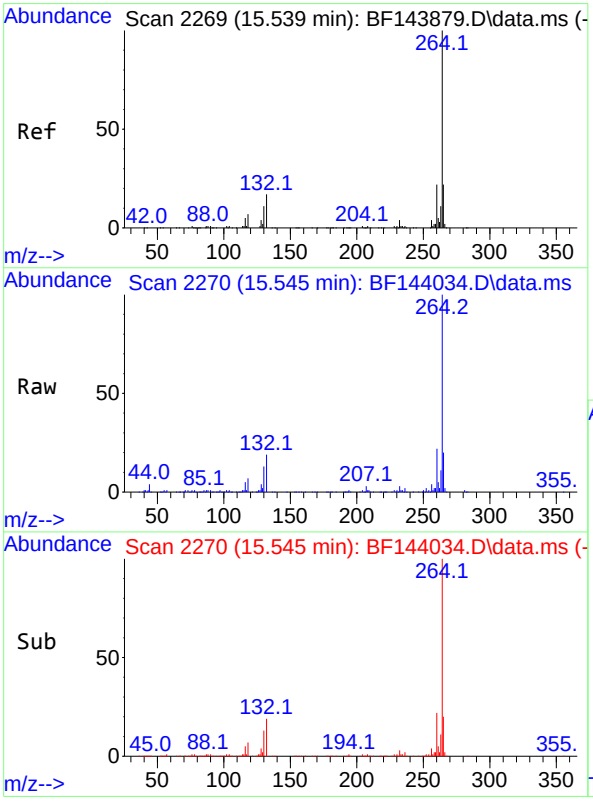
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations APPROVED

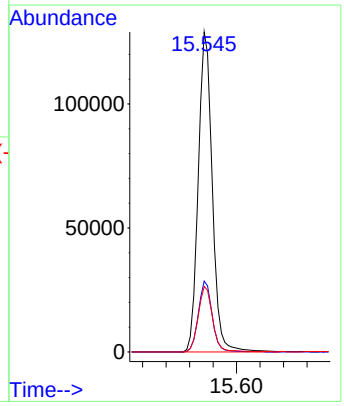
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

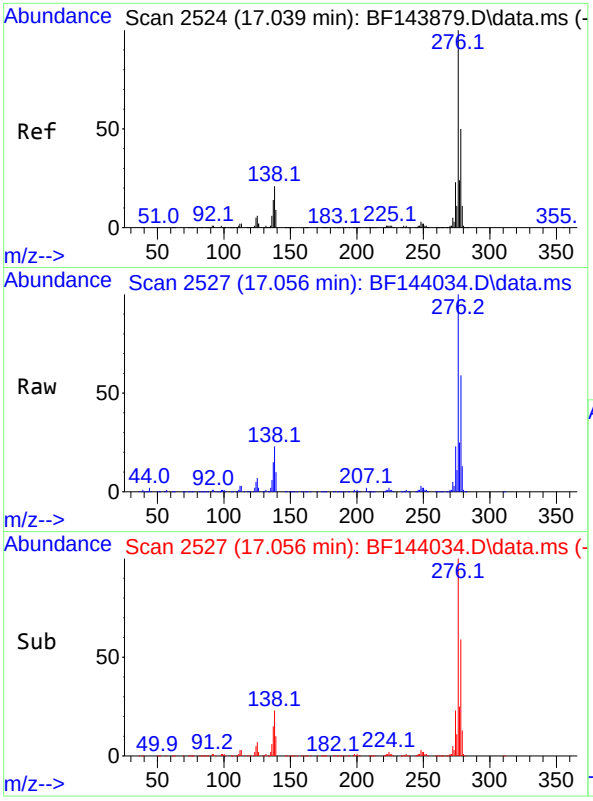


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:264 Resp: 213561

Ion	Ratio	Lower	Upper
264	100		
260	22.1	17.8	26.8
265	20.5	17.5	26.3

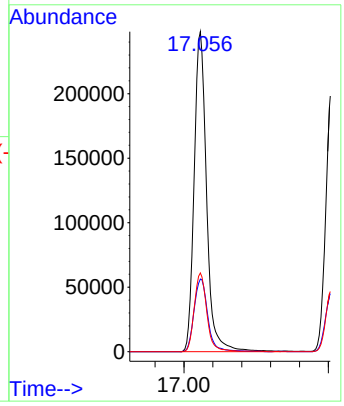




#87
Indeno(1,2,3-cd)pyrene
Concen: 56.623 ng
RT: 17.056 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:276 Resp: 74095

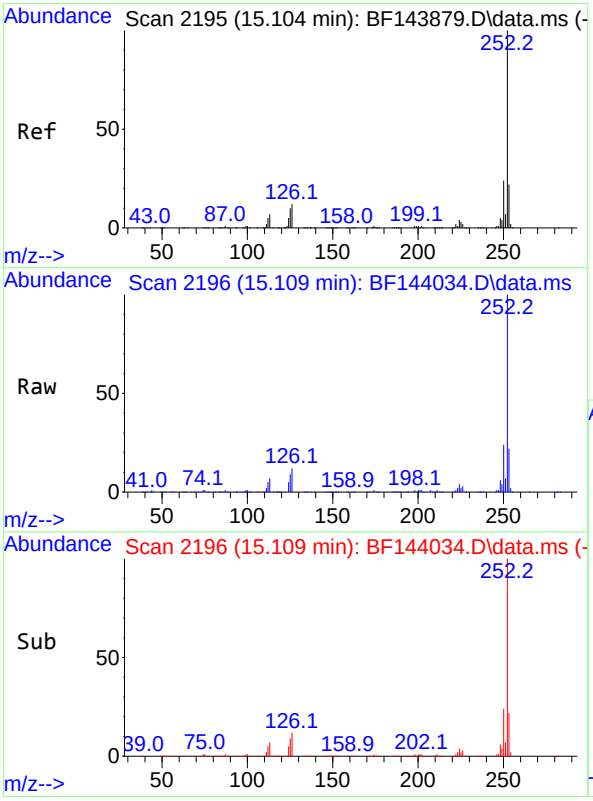
Ion	Ratio	Lower	Upper
276	100		
138	25.0	18.2	27.2
277	24.8	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

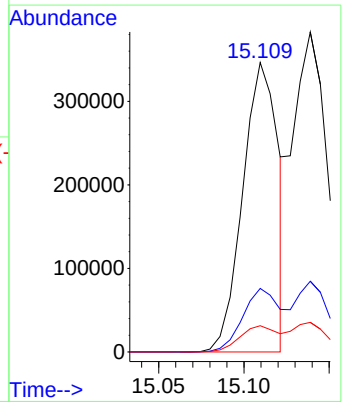
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

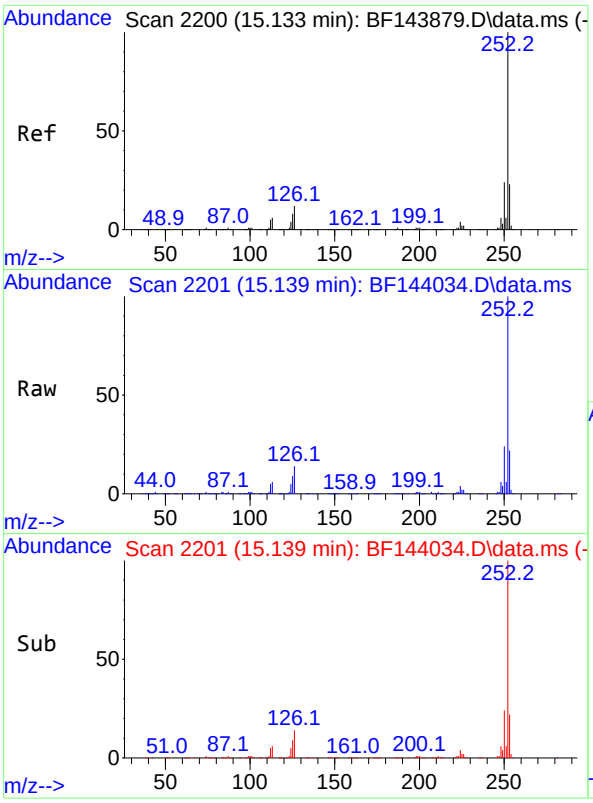


#88
Benzo(b)fluoranthene
Concen: 40.788 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:252 Resp: 500371

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.2
125	9.1	7.8	11.6

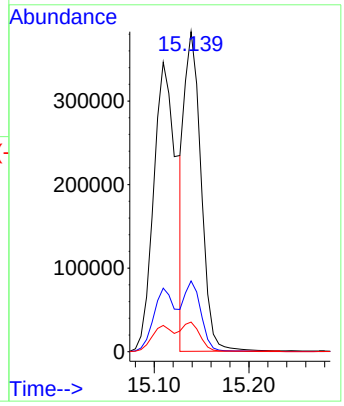




#89
Benzo(k)fluoranthene
Concen: 41.132 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:252 Resp: 46690

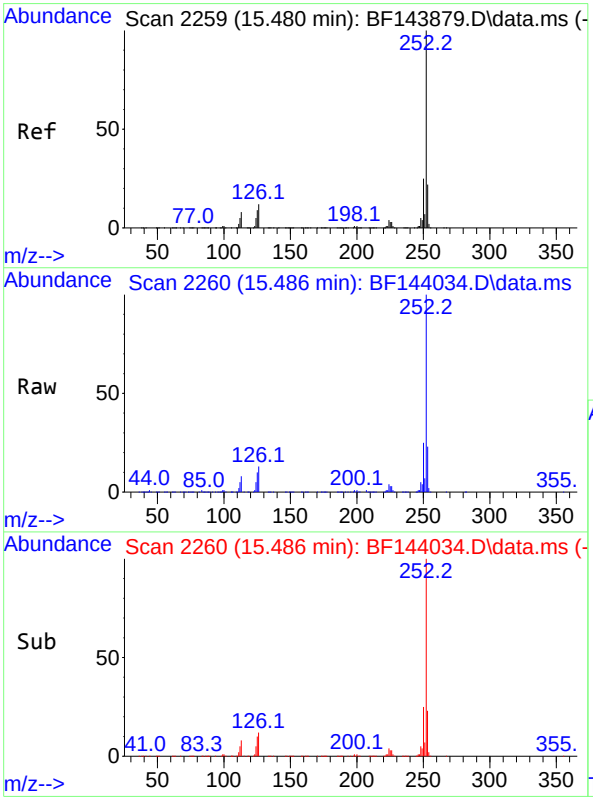
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	9.2	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
PB170180BS

Manual Integrations
APPROVED

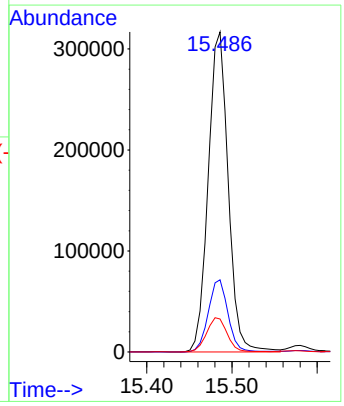
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025

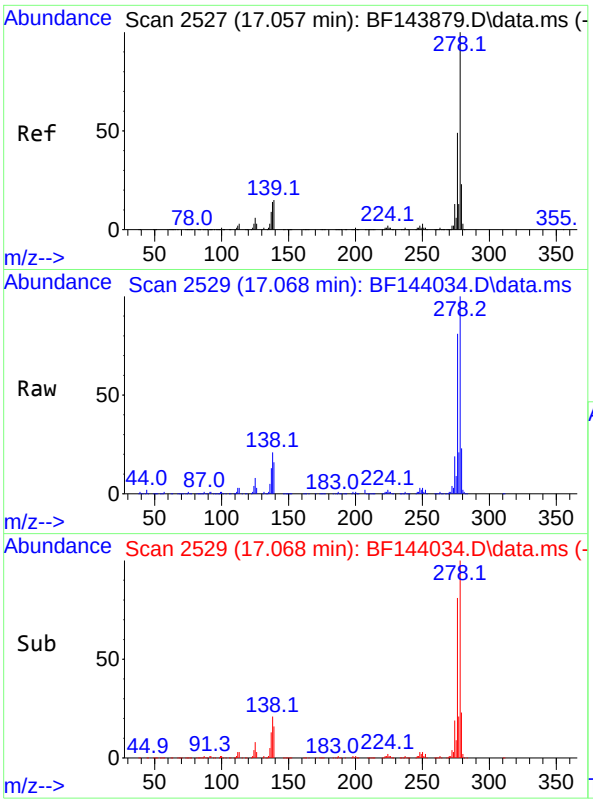


#90
Benzo(a)pyrene
Concen: 48.572 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:252 Resp: 516671

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.3	25.9
125	10.3	7.0	10.4

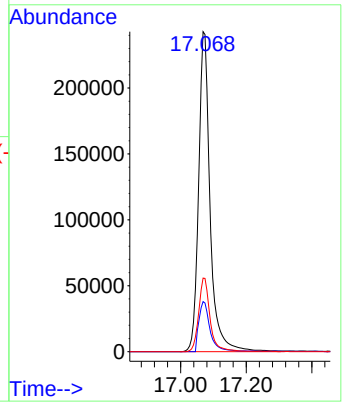




#91
Dibenzo(a,h)anthracene
Concen: 56.429 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

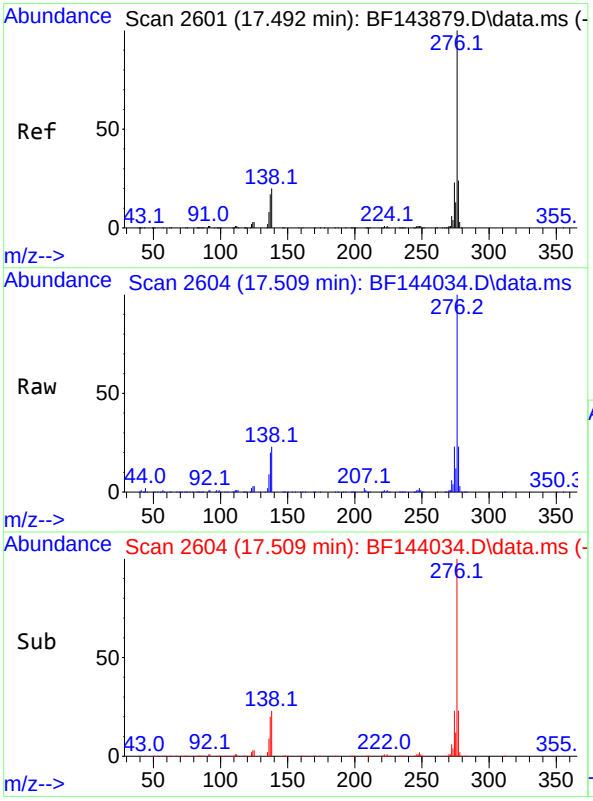
Tgt Ion:278 Resp: 59388

Ion	Ratio	Lower	Upper
278	100		
139	15.7	11.7	17.5
279	23.0	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
PB170180BS

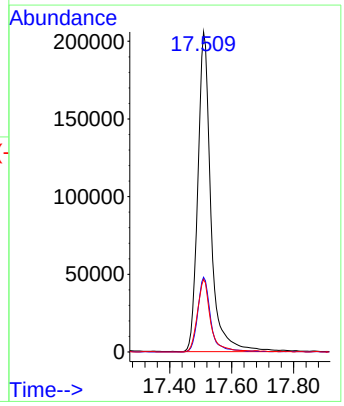
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/23/2025
Supervised By :Jagrut Upadhyay 10/23/2025



#92
Benzo(g,h,i)perylene
Concen: 57.212 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144034.D
Acq: 22 Oct 2025 11:23

Tgt Ion:276 Resp: 602133

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.6
138	22.7	16.1	24.1



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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	840		1	140	300	ug/Kg	10/21/25 19:28	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:28	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:28	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:28	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:28	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1500		1	34.1	150	ug/Kg	10/21/25 19:28	PB170180
98-86-2	Acetophenone	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:28	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.8	ug/Kg	10/21/25 19:28	PB170180
67-72-1	Hexachloroethane	1400		1	16.0	150	ug/Kg	10/21/25 19:28	PB170180
98-95-3	Nitrobenzene	1500		1	16.7	150	ug/Kg	10/21/25 19:28	PB170180
78-59-1	Isophorone	1400		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
88-75-5	2-Nitrophenol	1700		1	53.0	150	ug/Kg	10/21/25 19:28	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	59.0	150	ug/Kg	10/21/25 19:28	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:28	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
91-20-3	Naphthalene	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
106-47-8	4-Chloroaniline	550		1	32.2	150	ug/Kg	10/21/25 19:28	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:28	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:28	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
77-47-4	Hexachlorocyclopentadiene	3200	E	1	110	300	ug/Kg	10/21/25 19:28	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:28	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
92-52-4	1,1-Biphenyl	1700		1	19.8	150	ug/Kg	10/21/25 19:28	PB170180
91-58-7	2-Chloronaphthalene	1600		1	20.5	150	ug/Kg	10/21/25 19:28	PB170180
88-74-4	2-Nitroaniline	1700		1	43.8	150	ug/Kg	10/21/25 19:28	PB170180
131-11-3	Dimethylphthalate	1600		1	24.7	150	ug/Kg	10/21/25 19:28	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:28	PB170180
606-20-2	2,6-Dinitrotoluene	1800		1	30.6	150	ug/Kg	10/21/25 19:28	PB170180
99-09-2	3-Nitroaniline	1100		1	41.9	150	ug/Kg	10/21/25 19:28	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:28	PB170180
51-28-5	2,4-Dinitrophenol	2300		1	210	300	ug/Kg	10/21/25 19:28	PB170180
100-02-7	4-Nitrophenol	2600	E	1	97.4	300	ug/Kg	10/21/25 19:28	PB170180
132-64-9	Dibenzofuran	1500		1	20.7	150	ug/Kg	10/21/25 19:28	PB170180
121-14-2	2,4-Dinitrotoluene	1700		1	45.6	150	ug/Kg	10/21/25 19:28	PB170180
84-66-2	Diethylphthalate	1500		1	25.8	150	ug/Kg	10/21/25 19:28	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:28	PB170180
86-73-7	Fluorene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:28	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1700		1	93.8	300	ug/Kg	10/21/25 19:28	PB170180

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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:28	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:28	PB170180
118-74-1	Hexachlorobenzene	1500		1	23.0	150	ug/Kg	10/21/25 19:28	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:28	PB170180
87-86-5	Pentachlorophenol	2500	E	1	46.7	300	ug/Kg	10/21/25 19:28	PB170180
85-01-8	Phenanthrene	1600		1	19.0	150	ug/Kg	10/21/25 19:28	PB170180
120-12-7	Anthracene	1600		1	30.3	150	ug/Kg	10/21/25 19:28	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:28	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.6	150	ug/Kg	10/21/25 19:28	PB170180
206-44-0	Fluoranthene	1600		1	27.3	150	ug/Kg	10/21/25 19:28	PB170180
129-00-0	Pyrene	1200		1	32.8	150	ug/Kg	10/21/25 19:28	PB170180
85-68-7	Butylbenzylphthalate	1500		1	65.0	150	ug/Kg	10/21/25 19:28	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:28	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:28	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:28	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1800		1	53.9	150	ug/Kg	10/21/25 19:28	PB170180
117-84-0	Di-n-octyl phthalate	2100		1	79.0	300	ug/Kg	10/21/25 19:28	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:28	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:28	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.9	150	ug/Kg	10/21/25 19:28	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:28	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:28	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:28	PB170180
123-91-1	1,4-Dioxane	1400		1	41.1	150	ug/Kg	10/21/25 19:28	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:28	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	95.0			18 - 112	63%	SPK: 150		
13127-88-3	Phenol-d6	93.4			15 - 107	62%	SPK: 150		
4165-60-0	Nitrobenzene-d5	63.3			18 - 107	63%	SPK: 100		
321-60-8	2-Fluorobiphenyl	46.5			20 - 109	46%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	75.3			10 - 116	50%	SPK: 150		
1718-51-0	Terphenyl-d14	33.9			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	97900							
1146-65-2	Naphthalene-d8	362000							
15067-26-2	Acenaphthene-d10	172000							
1517-22-2	Phenanthrene-d10	252000							
1719-03-5	Chrysene-d12	216000							
1520-96-3	Perylene-d12	288000							

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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMS	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MS	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.01 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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\BF102125\
Data File : BF144021.D
Acq On : 21 Oct 2025 19:28
Operator : RC/JU
Sample : Q3402-07MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Quant Time: Oct 22 11:11:30 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	97883	20.00	ng		0.00
21) Naphthalene-d8	8.163	136	362327	20.00	ng		0.00
39) Acenaphthene-d10	9.922	164	171519	20.00	ng		0.00
64) Phenanthrene-d10	11.416	188	251833	20.00	ng		0.00
76) Chrysene-d12	14.063	240	215570	20.00	ng		0.00
86) Perylene-d12	15.545	264	288346	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	585874	95.05	ng		0.00
7) Phenol-d6	6.510	99	686364	93.42	ng		0.00
23) Nitrobenzene-d5	7.445	82	377645	63.32	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	128593	75.27	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	502594	46.50	ng		-0.01
79) Terphenyl-d14	12.998	244	427888	33.92	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	129896	45.54	ng		95
3) Pyridine	3.446	79	354264	42.66	ng		98
4) n-Nitrosodimethylamine	3.393	42	211667	48.46	ng		96
6) Aniline	6.545	93	389317	35.36	ng		99
8) 2-Chlorophenol	6.669	128	291589	48.39	ng		96
9) Benzaldehyde	6.434	77	156751	27.66	ng		97
10) Phenol	6.522	94	435371	49.57	ng		97
11) bis(2-Chloroethyl)ether	6.616	93	326113	48.06	ng		97
12) 1,3-Dichlorobenzene	6.822	146	349785	48.50	ng		99
13) 1,4-Dichlorobenzene	6.898	146	360908	50.73	ng		99
14) 1,2-Dichlorobenzene	7.051	146	339575	49.83	ng		99
15) Benzyl Alcohol	7.022	79	273254	49.64	ng		97
16) 2,2'-oxybis(1-Chloropr...	7.157	45	749548	48.53	ng		100
17) 2-Methylphenol	7.134	107	232802	46.75	ng		99
18) Hexachloroethane	7.392	117	112145	47.27	ng		99
19) n-Nitroso-di-n-propyla...	7.292	70	226038	44.95	ng		98
20) 3+4-Methylphenols	7.287	107	274080	47.49	ng	#	68
22) Acetophenone	7.292	105	407740	53.22	ng		99
24) Nitrobenzene	7.463	77	334164	50.46	ng		95
25) Isophorone	7.698	82	596412	47.43	ng		99
26) 2-Nitrophenol	7.781	139	156979	55.29	ng		99
27) 2,4-Dimethylphenol	7.816	122	277081	54.25	ng		95
28) bis(2-Chloroethoxy)met...	7.910	93	390627	49.18	ng		98
29) 2,4-Dichlorophenol	8.022	162	251894	47.35	ng		98
30) 1,2,4-Trichlorobenzene	8.104	180	265404	50.72	ng		99
31) Naphthalene	8.187	128	789939	47.93	ng		99
32) Benzoic acid	7.928	122	183795	51.99	ng		97
33) 4-Chloroaniline	8.234	127	112990	18.28	ng		97
34) Hexachlorobutadiene	8.304	225	173151	47.62	ng		99
35) Caprolactam	8.598	113	80902	47.82	ng		98
36) 4-Chloro-3-methylphenol	8.716	107	228368	44.69	ng		99
37) 2-Methylnaphthalene	8.875	142	467991	42.63	ng		99
38) 1-Methylnaphthalene	8.975	142	470146	44.15	ng		99
40) 1,2,4,5-Tetrachloroben...	9.045	216	272902	57.57	ng		98
41) Hexachlorocyclopentadiene	9.034	237	205343	104.41	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	175339	50.62	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144021.D
Acq On : 21 Oct 2025 19:28
Operator : RC/JU
Sample : Q3402-07MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Quant Time: Oct 22 11:11:30 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

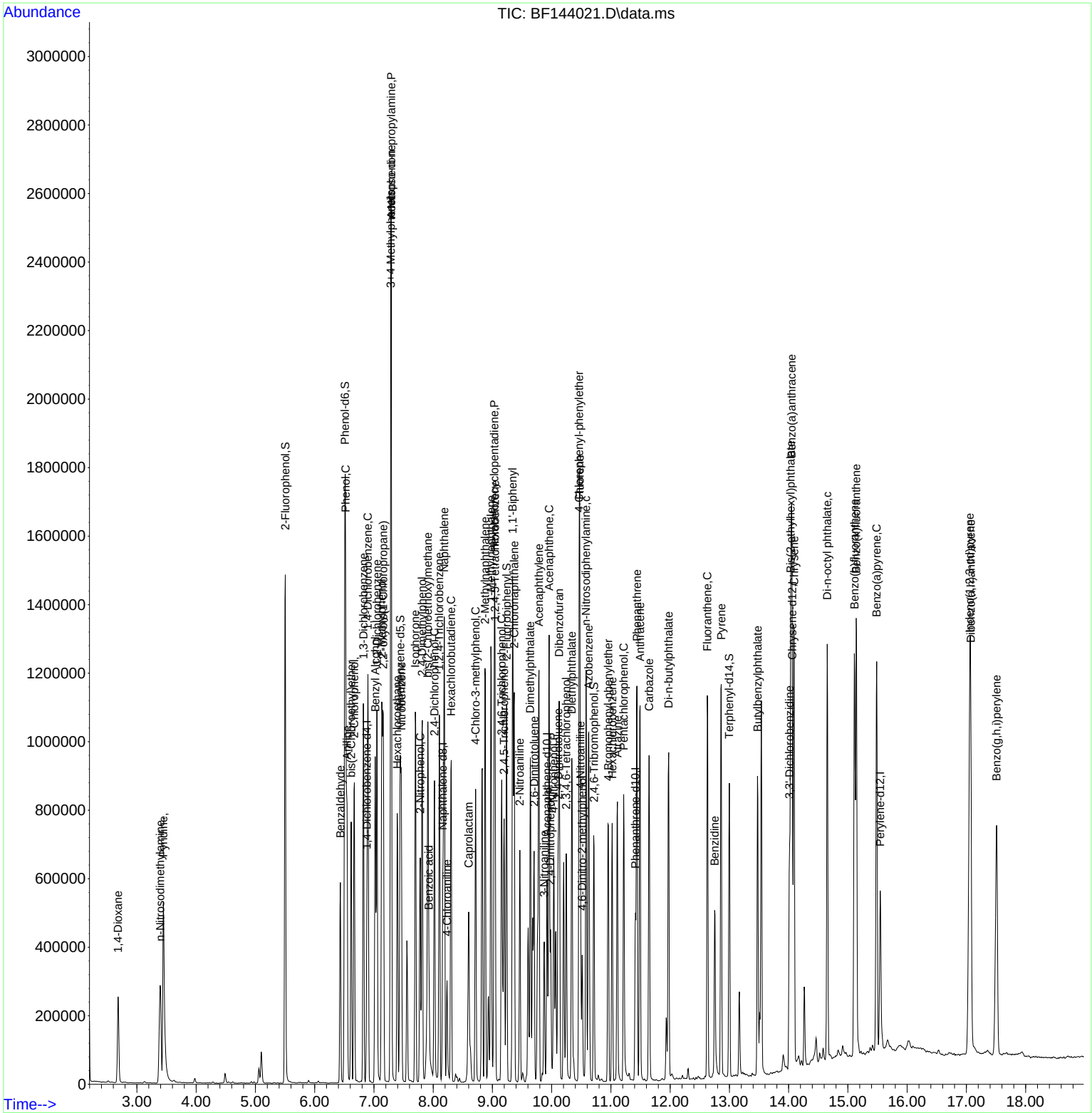
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	181781	49.66	ng	99
46) 1,1'-Biphenyl	9.339	154	649183	57.17	ng	98
47) 2-Chloronaphthalene	9.369	162	490643	51.82	ng	96
48) 2-Nitroaniline	9.463	65	163271	54.54	ng	98
49) Acenaphthylene	9.786	152	760218	57.11	ng	99
50) Dimethylphthalate	9.639	163	567160	52.07	ng	99
51) 2,6-Dinitrotoluene	9.704	165	117859	58.35	ng	95
52) Acenaphthene	9.957	154	443420	50.84	ng	98
53) 3-Nitroaniline	9.875	138	88035	35.60	ng	98
54) 2,4-Dinitrophenol	9.981	184	94795	76.43	ng	94
55) Dibenzofuran	10.128	168	595679	48.38	ng	99
56) 4-Nitrophenol	10.033	139	159580	85.22	ng	98
57) 2,4-Dinitrotoluene	10.110	165	153965	56.03	ng	96
58) Fluorene	10.475	166	453015	48.76	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	119888	46.27	ng	99
60) Diethylphthalate	10.339	149	504158	49.82	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	233202	47.48	ng	99
62) 4-Nitroaniline	10.486	138	109876	46.20	ng	91
63) Azobenzene	10.622	77	549618	51.97	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	72380	57.19	ng	98
66) n-Nitrosodiphenylamine	10.580	169	438535	55.46	ng	98
67) 4-Bromophenyl-phenylether	10.957	248	137013	49.23	ng	96
68) Hexachlorobenzene	11.022	284	154149	47.84	ng	99
69) Atrazine	11.110	200	128608	53.66	ng	98
70) Pentachlorophenol	11.216	266	154905	83.71	ng	98
71) Phenanthrene	11.439	178	626490	51.31	ng	100
72) Anthracene	11.492	178	630911	51.15	ng	99
73) Carbazole	11.645	167	553053	50.63	ng	98
74) Di-n-butylphthalate	11.975	149	682358	53.90	ng	99
75) Fluoranthene	12.627	202	667503	52.93	ng	98
77) Benzidine	12.751	184	313101	41.83	ng	97
78) Pyrene	12.863	202	692293	38.52	ng	99
80) Butylbenzylphthalate	13.474	149	286154	49.03	ng	100
81) Benzo(a)anthracene	14.051	228	739023	52.39	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	200747	46.70	ng	98
83) Chrysene	14.092	228	700802	53.68	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	410102	58.29	ng	99
85) Di-n-octyl phthalate	14.651	149	785742	67.99	ng	100
87) Indeno(1,2,3-cd)pyrene	17.057	276	861279	48.75	ng	98
88) Benzo(b)fluoranthene	15.110	252	829420	50.08	ng	100
89) Benzo(k)fluoranthene	15.139	252	726742	47.42	ng	99
90) Benzo(a)pyrene	15.486	252	758262	52.80	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	686996	48.35	ng	98
92) Benzo(g,h,i)perylene	17.509	276	661800	46.57	ng	98

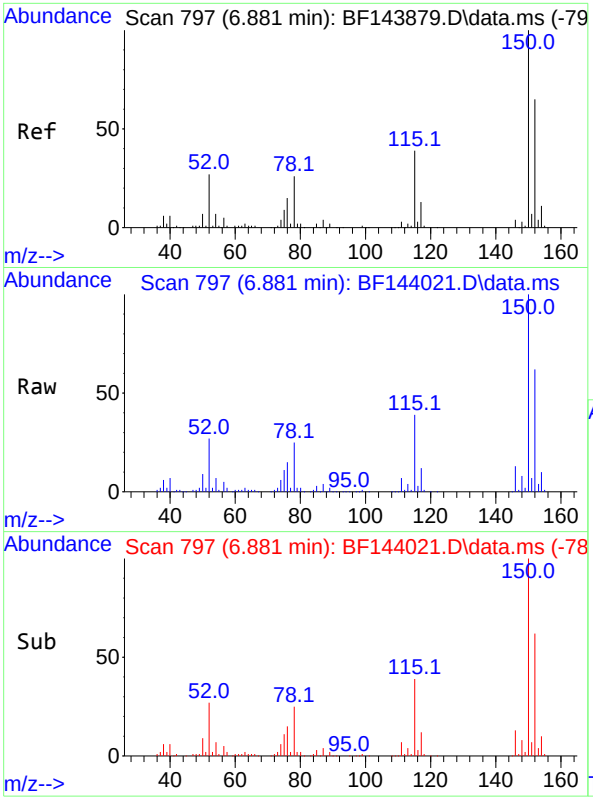
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144021.D
Acq On : 21 Oct 2025 19:28
Operator : RC/JU
Sample : Q3402-07MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Quant Time: Oct 22 11:11:30 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



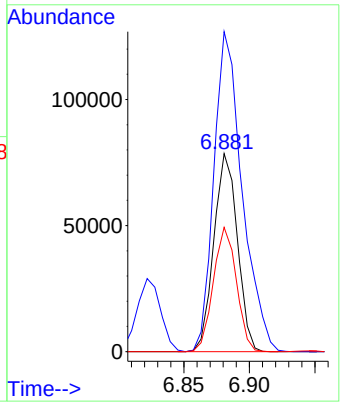


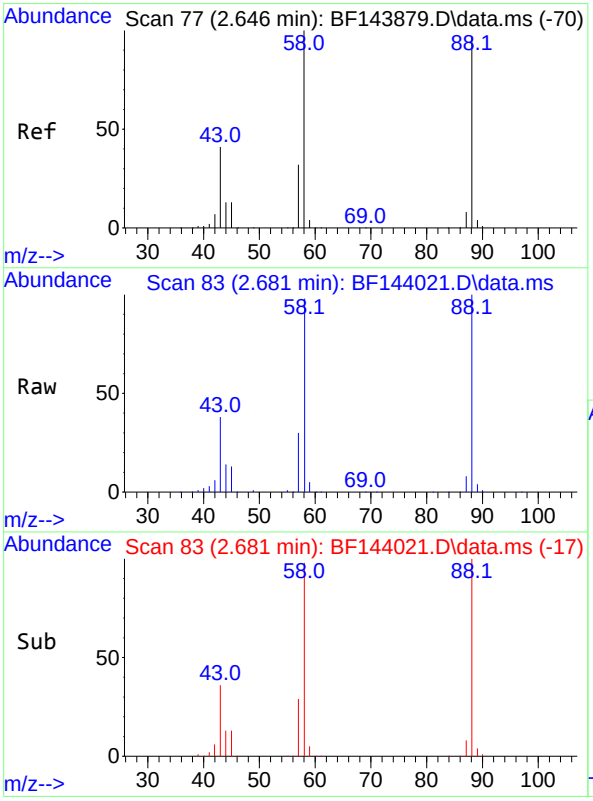
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:152 Resp: 97883

Ion	Ratio	Lower	Upper
152	100		
150	161.5	124.4	186.6
115	62.7	48.1	72.1

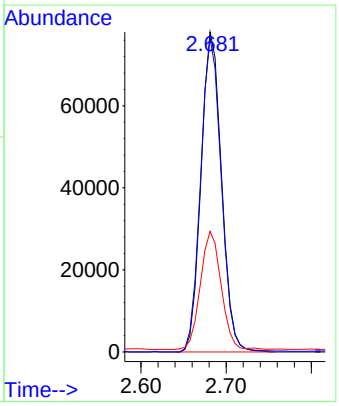


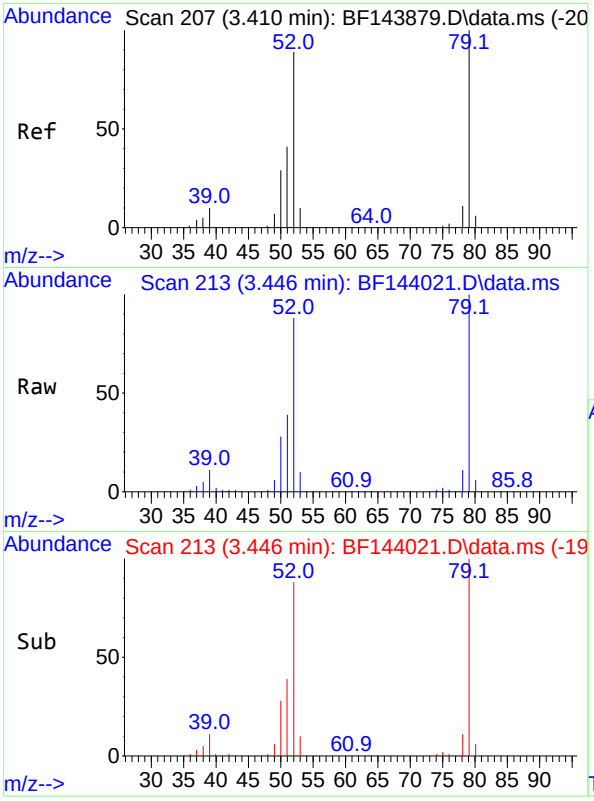


#2
1,4-Dioxane
Concen: 45.54 ng
RT: 2.681 min Scan# 83
Delta R.T. 0.035 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 88 Resp: 129896

Ion	Ratio	Lower	Upper
88	100		
58	99.6	83.0	124.6
43	37.7	33.9	50.9



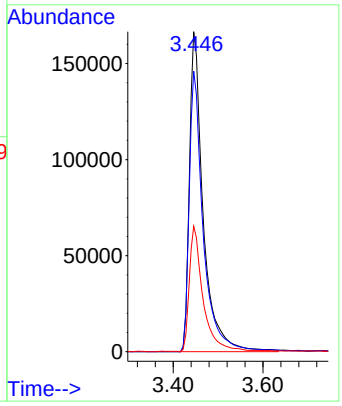


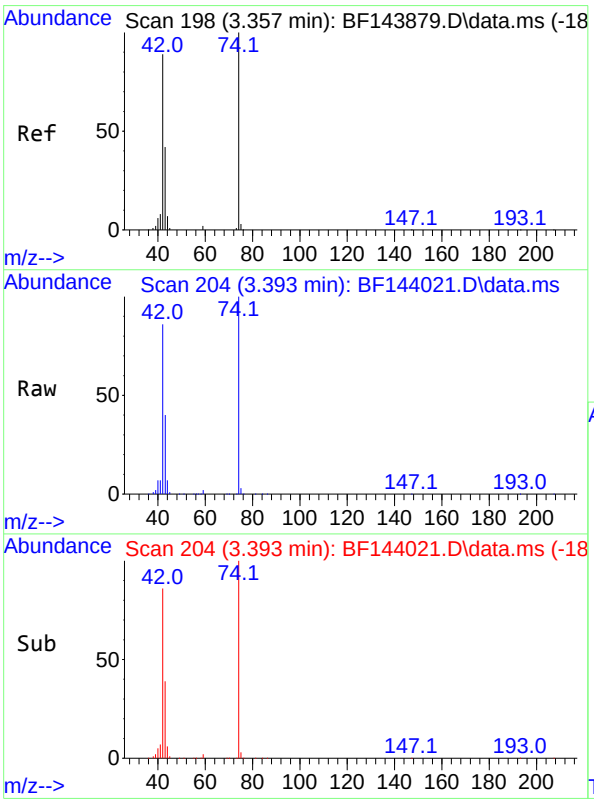
#3
Pyridine
Concen: 42.66 ng
RT: 3.446 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 79 Resp: 354264

Ion	Ratio	Lower	Upper
79	100		
52	87.6	71.5	107.3
51	39.2	32.9	49.3

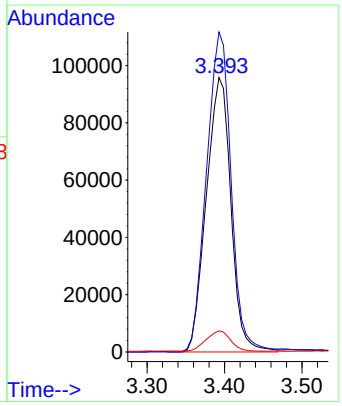


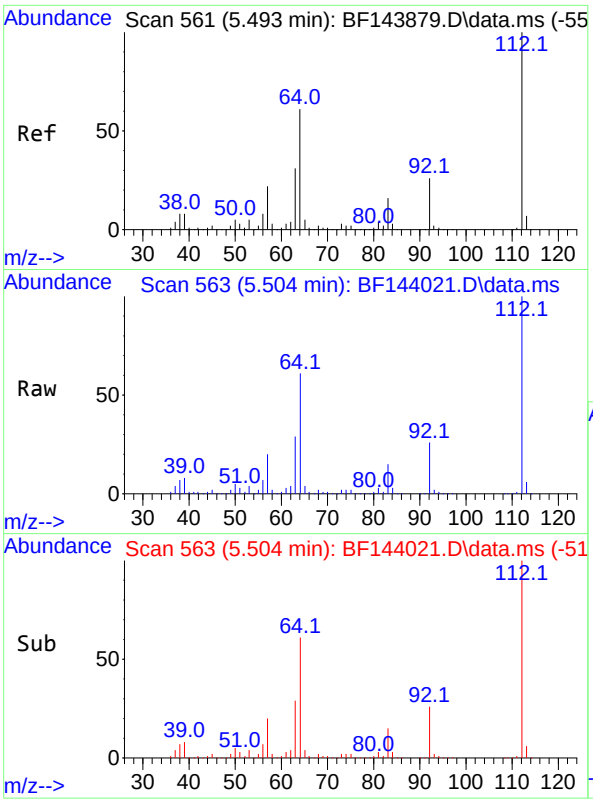


#4
n-Nitrosodimethylamine
Concen: 48.46 ng
RT: 3.393 min Scan# 204
Delta R.T. 0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 42 Resp: 211667

Ion	Ratio	Lower	Upper
42	100		
74	116.6	90.0	135.0
44	7.7	6.2	9.2



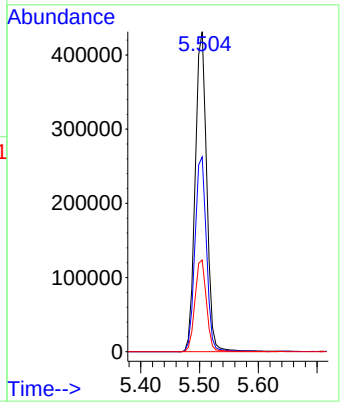


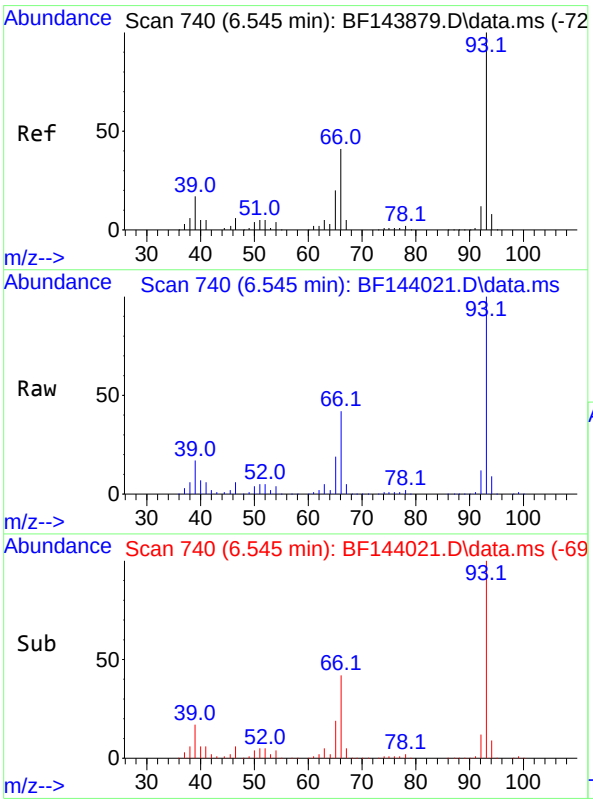
#5
2-Fluorophenol
Concen: 95.05 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:112 Resp: 585874

Ion	Ratio	Lower	Upper
112	100		
64	60.9	49.1	73.7
63	28.7	24.5	36.7

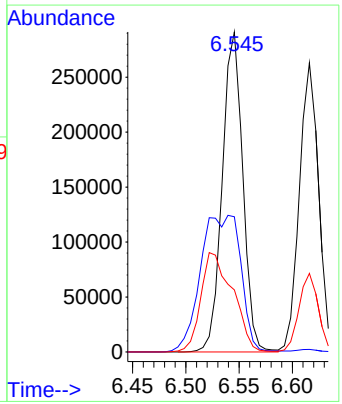


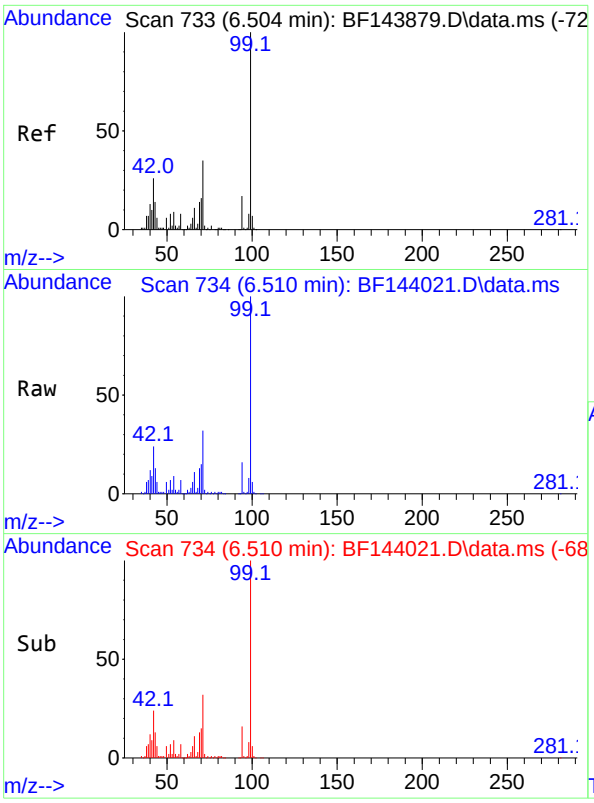


#6
Aniline
Concen: 35.36 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 93 Resp: 389317

Ion	Ratio	Lower	Upper
93	100		
66	42.3	33.0	49.6
65	19.4	15.8	23.8



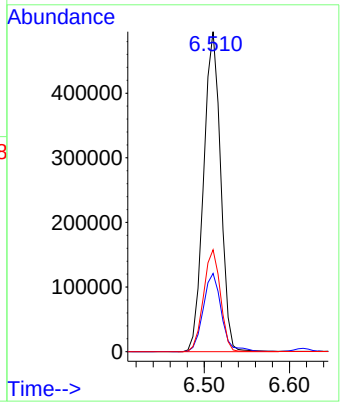


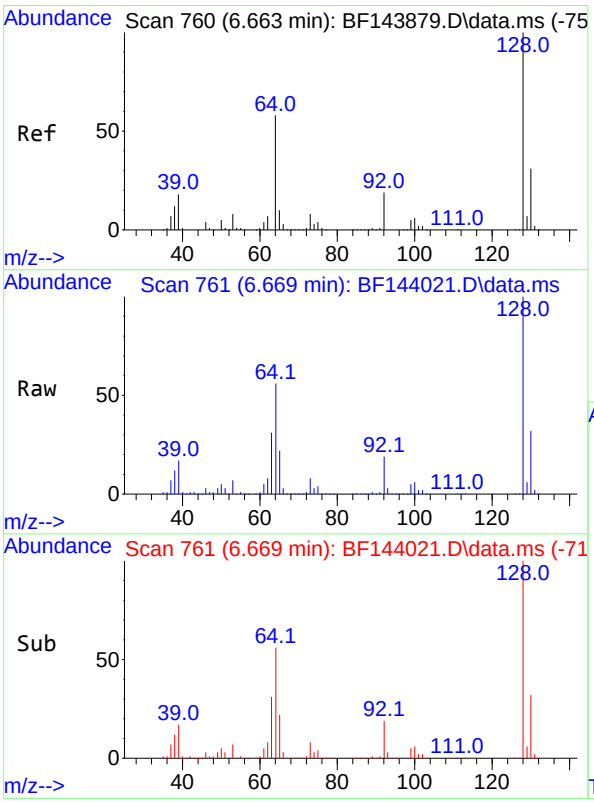
#7
Phenol-d6
Concen: 93.42 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 99 Resp: 686364

Ion	Ratio	Lower	Upper
99	100		
42	24.5	21.0	31.4
71	31.9	27.8	41.8

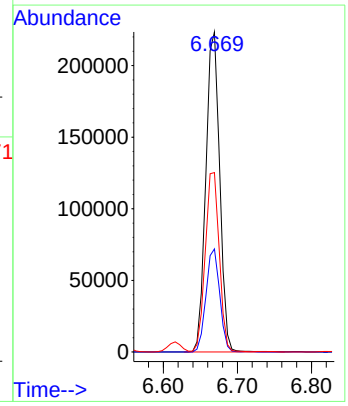


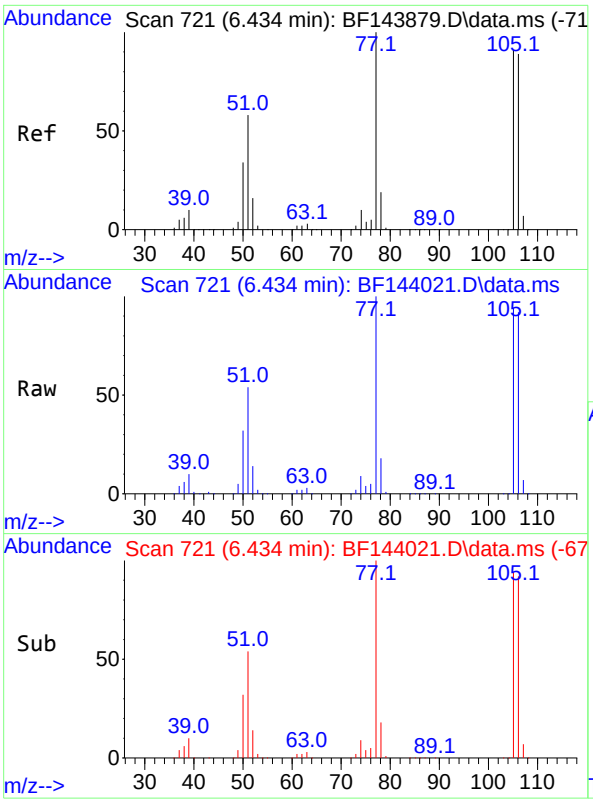


#8
2-Chlorophenol
Concen: 48.39 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:128 Resp: 291589

Ion	Ratio	Lower	Upper
128	100		
130	32.2	10.7	50.7
64	56.0	39.0	79.0



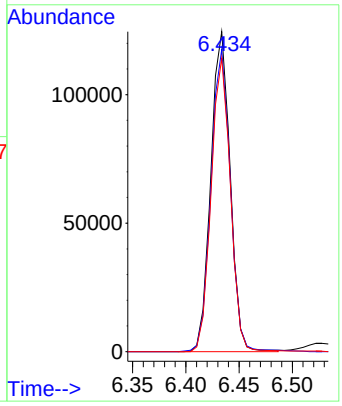


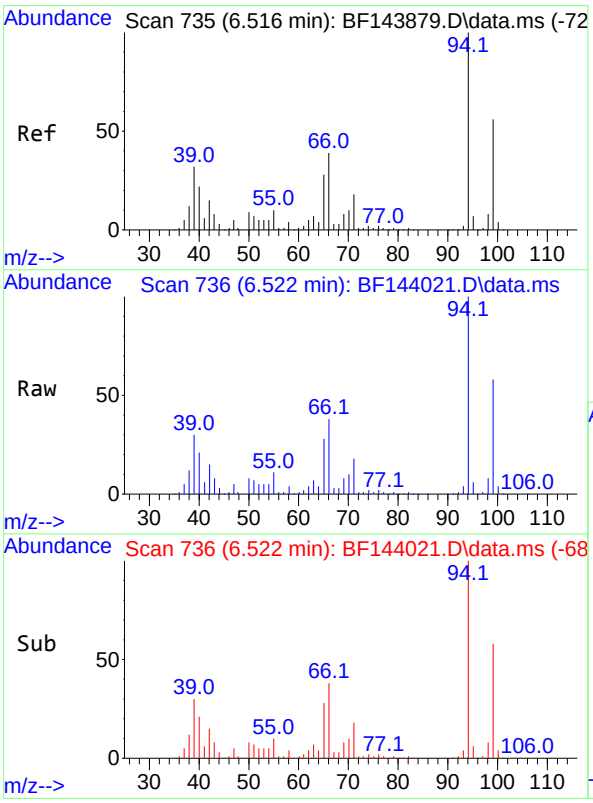
#9
Benzaldehyde
Concen: 27.66 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 77 Resp: 156751

Ion	Ratio	Lower	Upper
77	100		
105	94.5	70.9	110.9
106	91.7	68.9	108.9

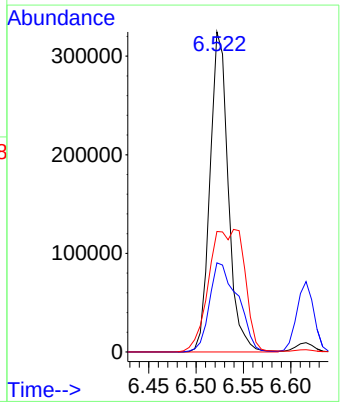


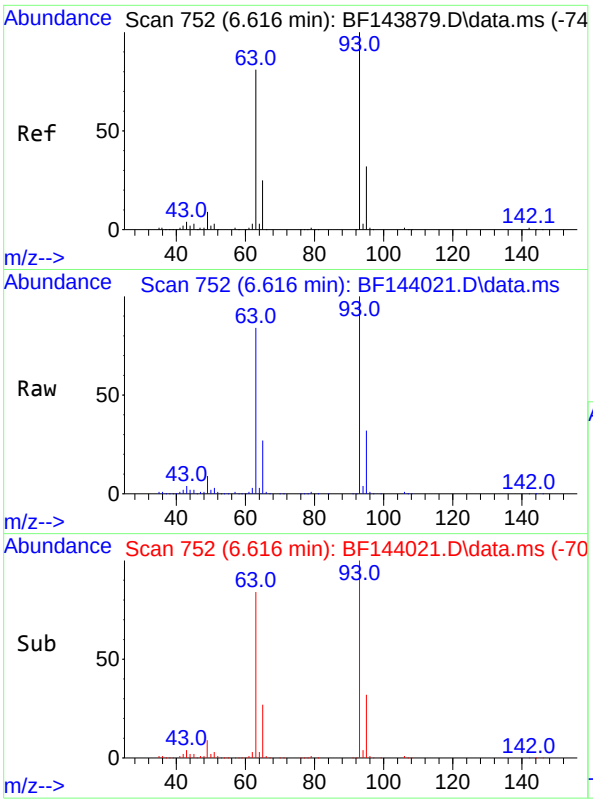


#10
Phenol
Concen: 49.57 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 94 Resp: 435371

Ion	Ratio	Lower	Upper
94	100		
65	27.9	8.5	48.5
66	37.6	19.9	59.9



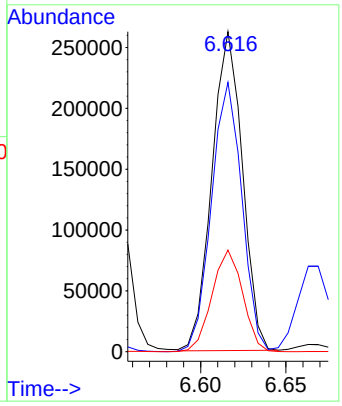


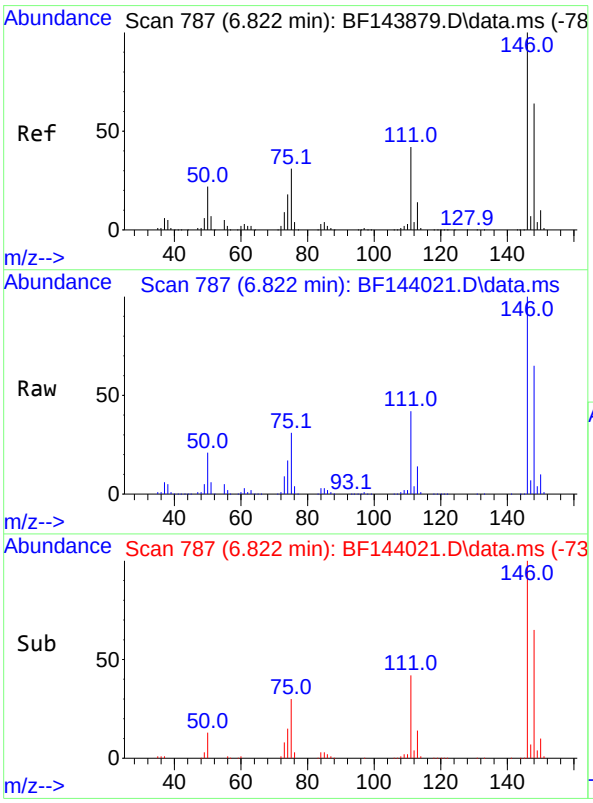
#11
bis(2-Chloroethyl)ether
Concen: 48.06 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 93 Resp: 326113

Ion	Ratio	Lower	Upper
93	100		
63	84.2	60.9	100.9
95	31.8	11.5	51.5

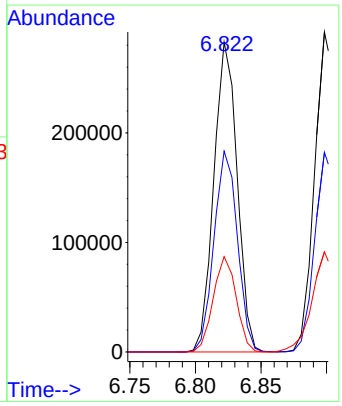


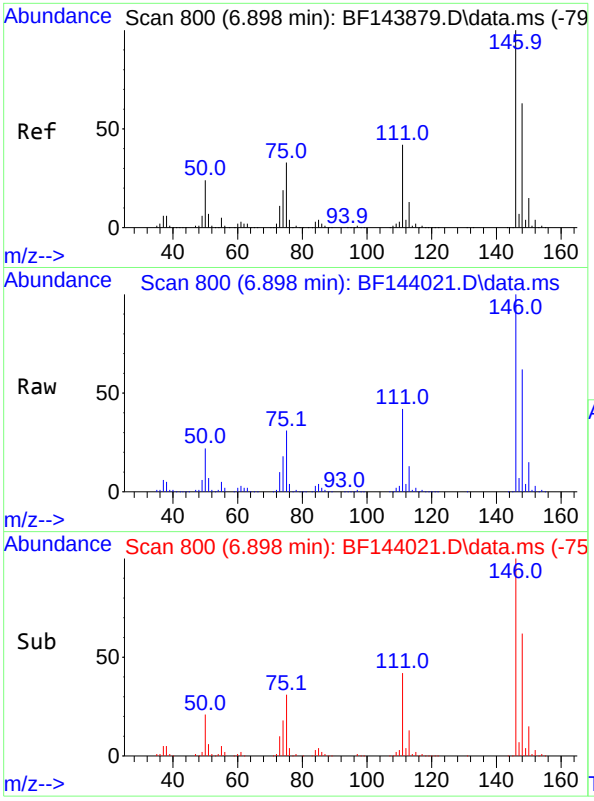


#12
1,3-Dichlorobenzene
Concen: 48.50 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:146 Resp: 349785

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.0	76.4
75	30.8	24.9	37.3



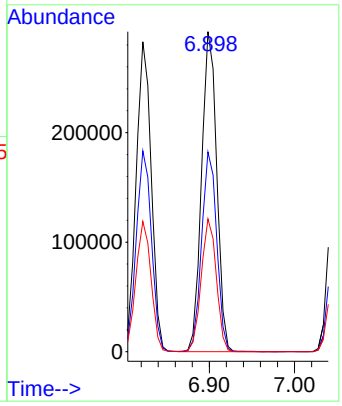


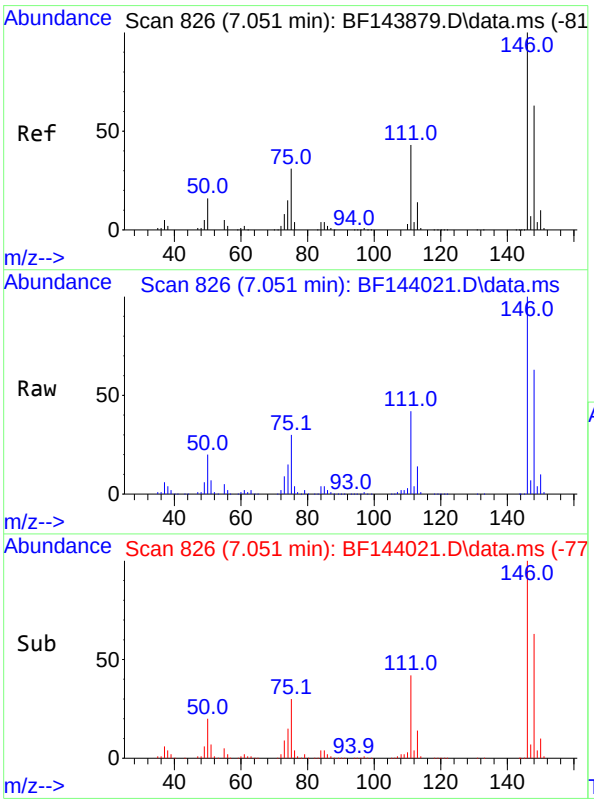
#13
1,4-Dichlorobenzene
Concen: 50.73 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:146 Resp: 360908

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.5	75.7
111	41.5	33.4	50.0

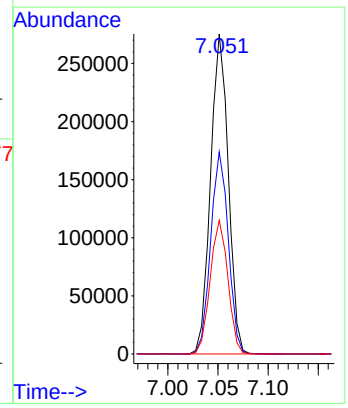


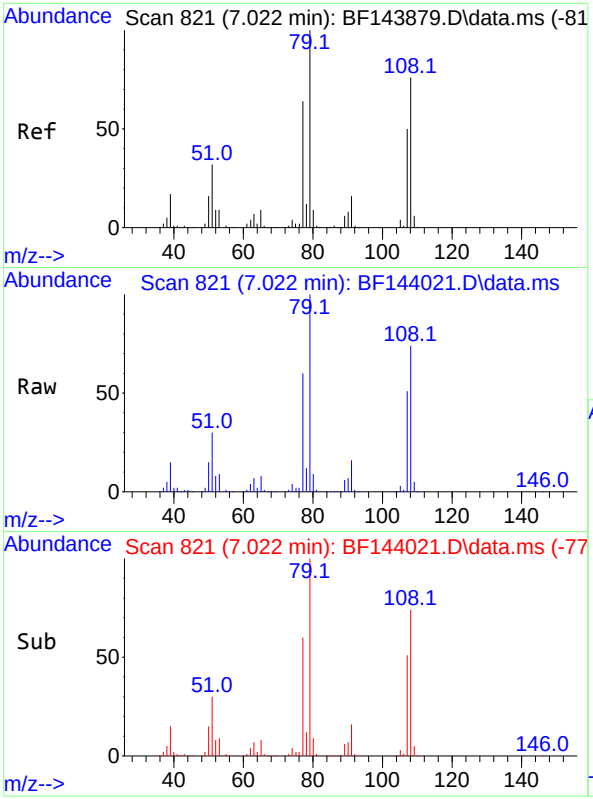


#14
1,2-Dichlorobenzene
Concen: 49.83 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:146 Resp: 339575

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	75.8
111	41.7	34.6	51.8



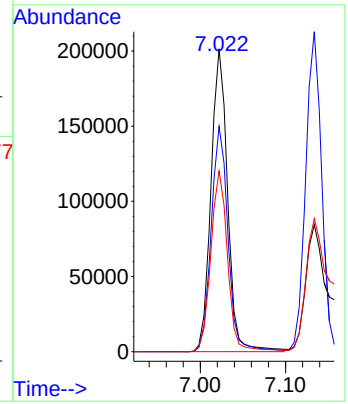


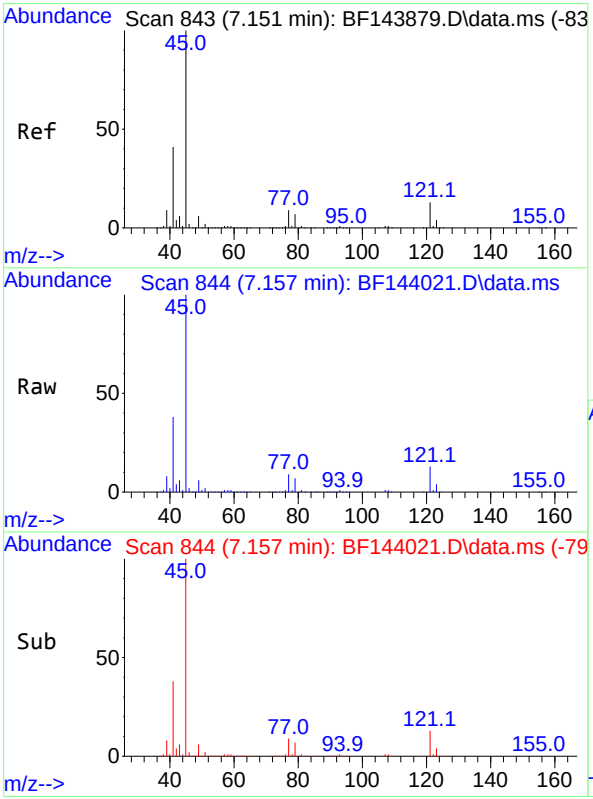
#15
Benzyl Alcohol
Concen: 49.64 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 79 Resp: 273254

Ion	Ratio	Lower	Upper
79	100		
108	74.4	60.8	91.2
77	59.7	51.0	76.6

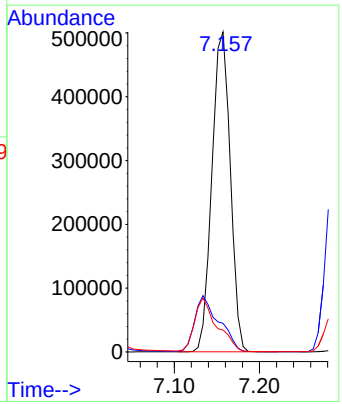


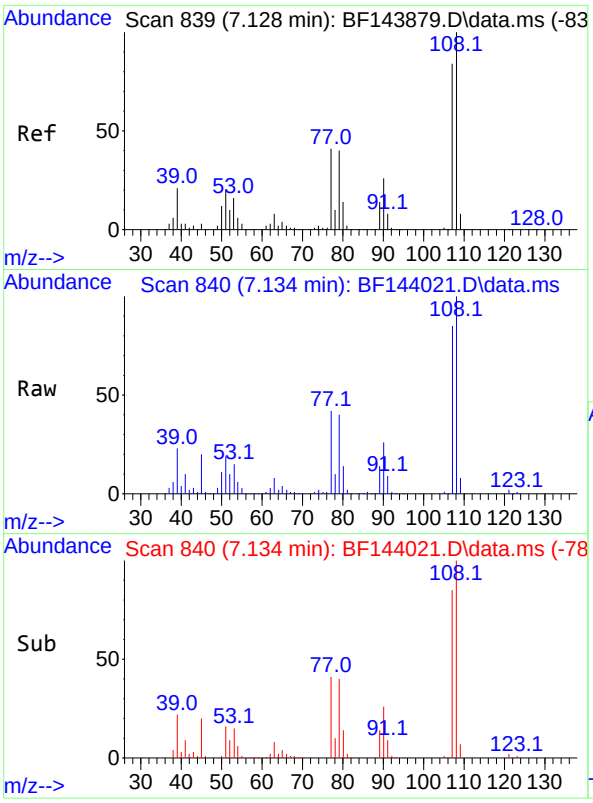


#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.53 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 45 Resp: 749548

Ion	Ratio	Lower	Upper
45	100		
77	9.0	0.0	29.0
79	6.9	0.0	26.8



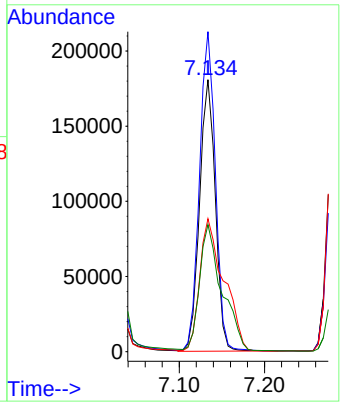


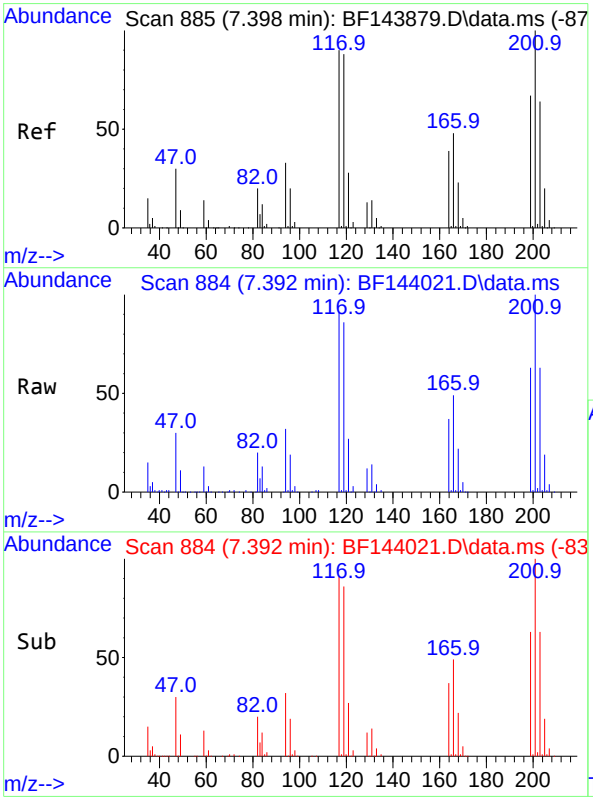
#17
2-Methylphenol
Concen: 46.75 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:107 Resp: 232802

Ion	Ratio	Lower	Upper
107	100		
108	117.7	94.7	142.1
77	48.9	38.8	58.2
79	46.7	38.3	57.5

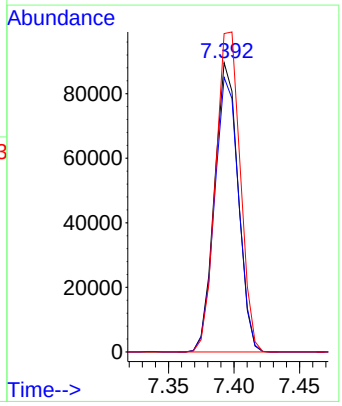


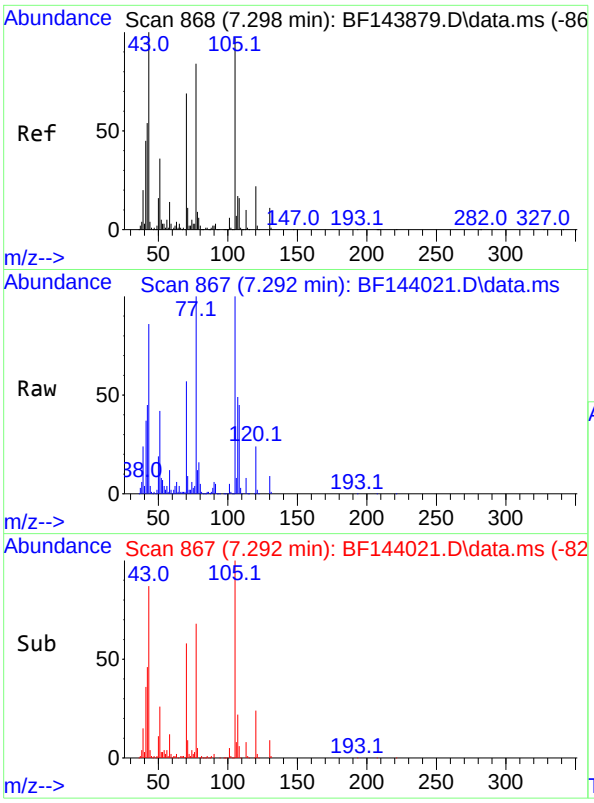


#18
Hexachloroethane
Concen: 47.27 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:117 Resp: 112145

Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.8	116.8
201	110.0	88.5	132.7



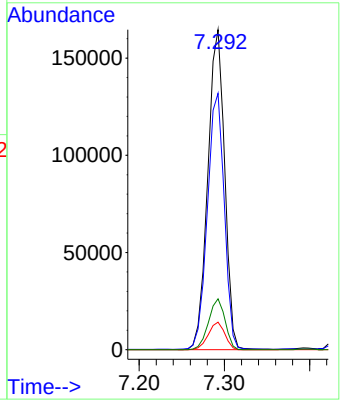


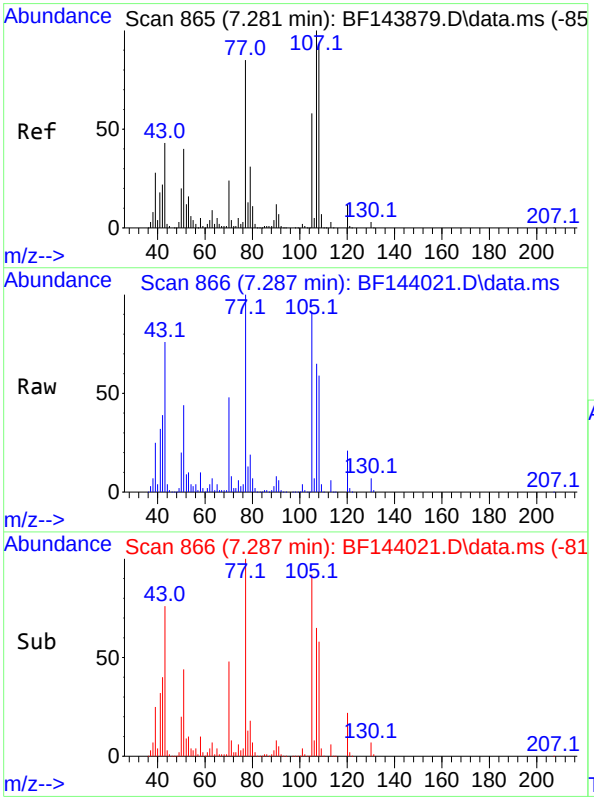
#19
n-Nitroso-di-n-propylamine
Concen: 44.95 ng
RT: 7.292 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 70 Resp: 226038

Ion	Ratio	Lower	Upper
70	100		
42	80.1	62.8	94.2
101	8.6	6.7	10.1
130	15.9	13.0	19.4

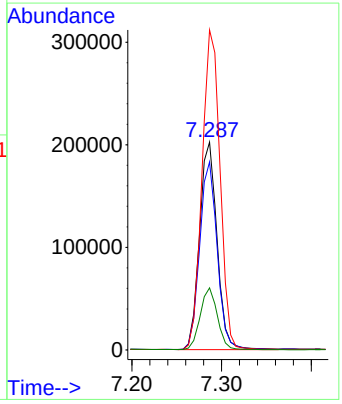


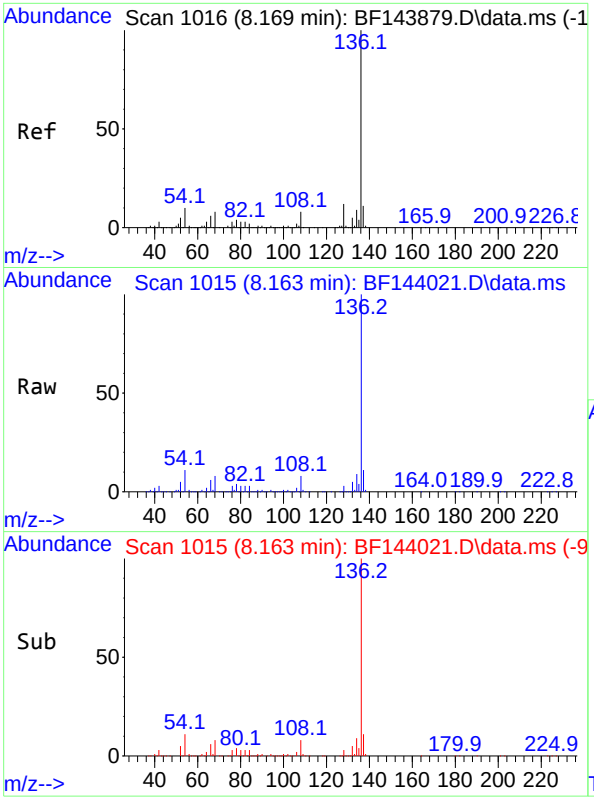


#20
3+4-Methylphenols
Concen: 47.49 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:107 Resp: 274080

Ion	Ratio	Lower	Upper
107	100		
108	90.5	73.0	113.0
77	153.9	64.6	104.6#
79	29.9	11.5	51.5



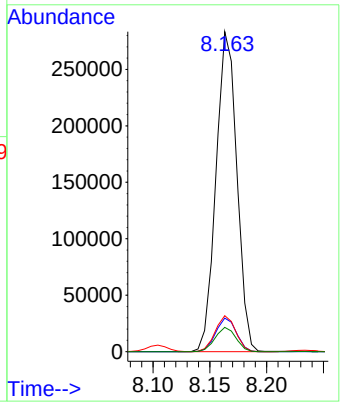


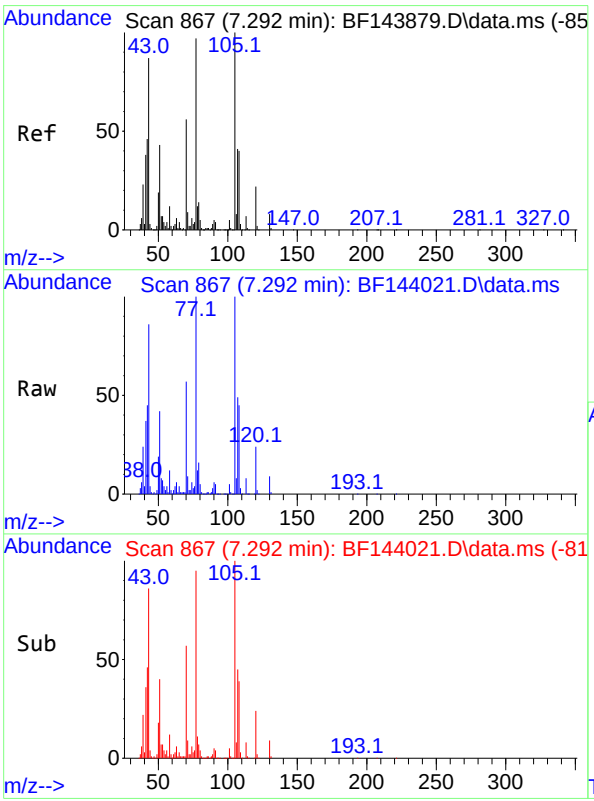
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:136 Resp: 362327

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.5	12.7
54	11.2	8.2	12.4
68	7.6	6.2	9.4

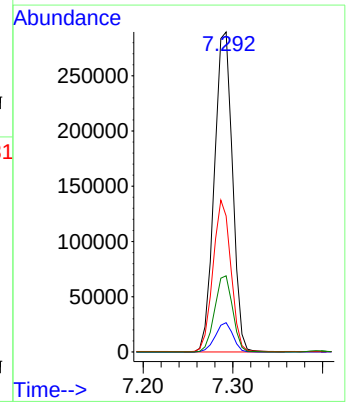


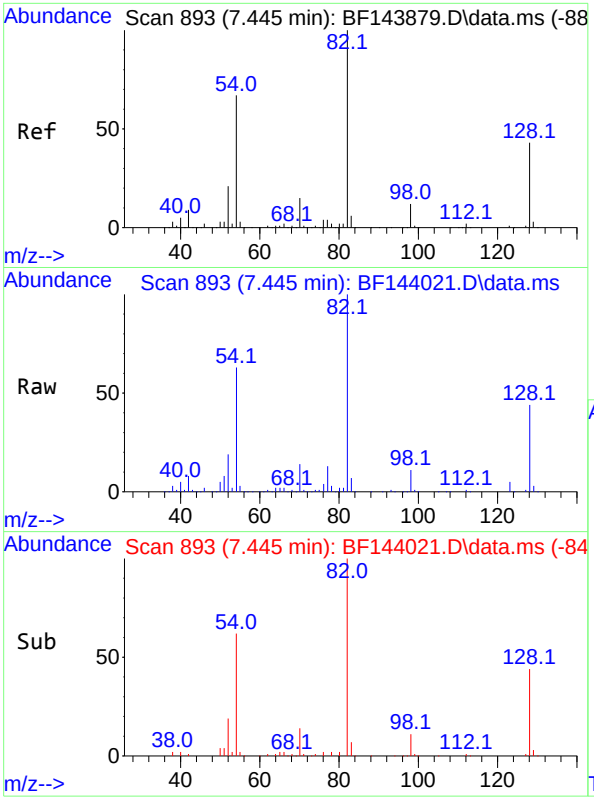


#22
Acetophenone
Concen: 53.22 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:105 Resp: 407740

Ion	Ratio	Lower	Upper
105	100		
71	9.1	7.4	11.0
51	42.5	34.2	51.4
120	23.8	17.7	26.5



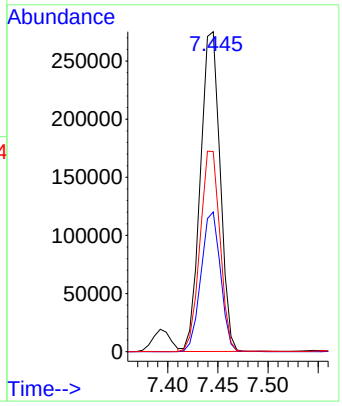


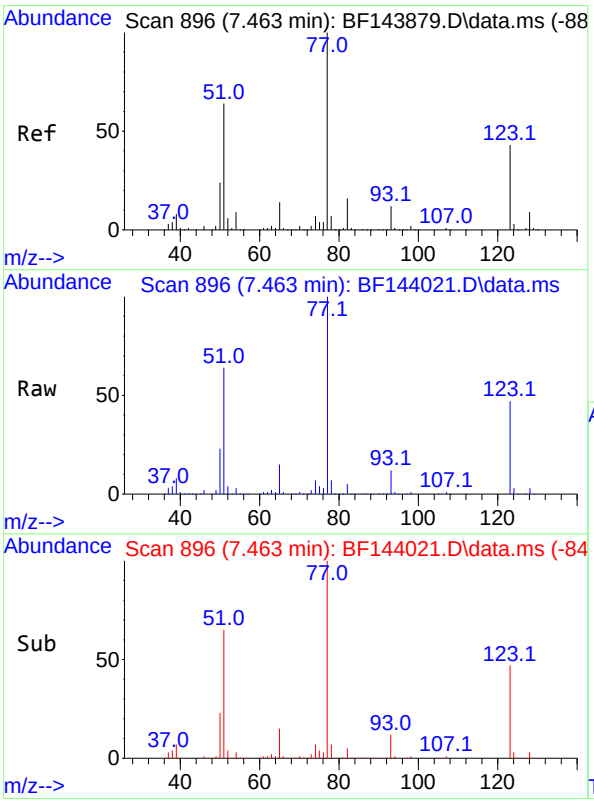
#23
Nitrobenzene-d5
Concen: 63.32 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 82 Resp: 377645

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.0	51.0
54	62.5	53.2	79.8

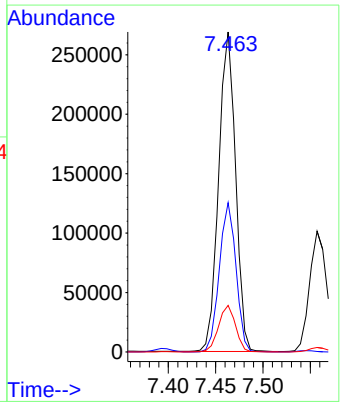


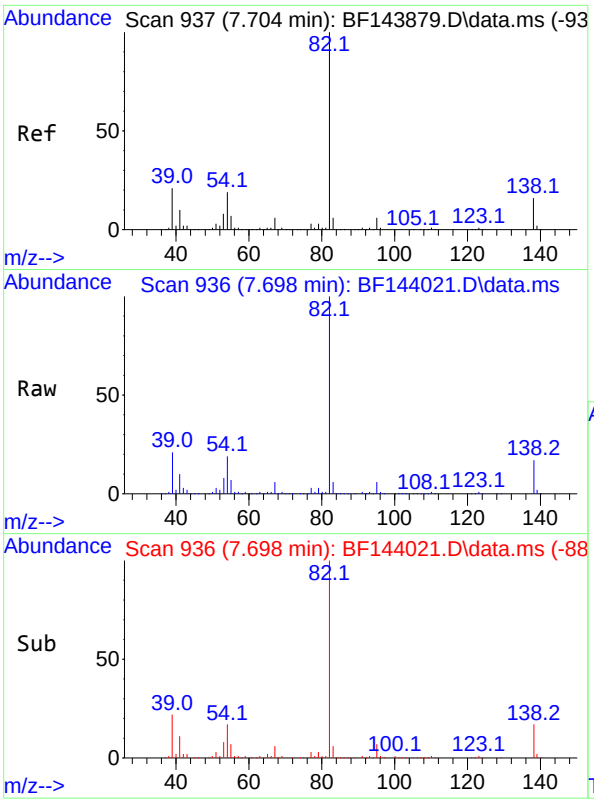


#24
Nitrobenzene
Concen: 50.46 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 77 Resp: 334164

Ion	Ratio	Lower	Upper
77	100		
123	46.6	34.2	51.4
65	14.6	11.0	16.6



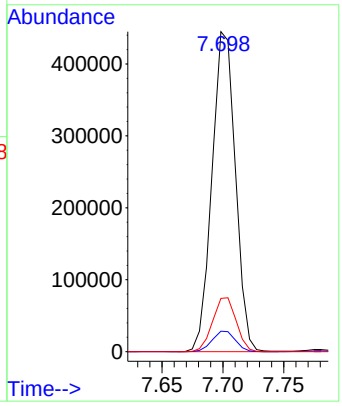


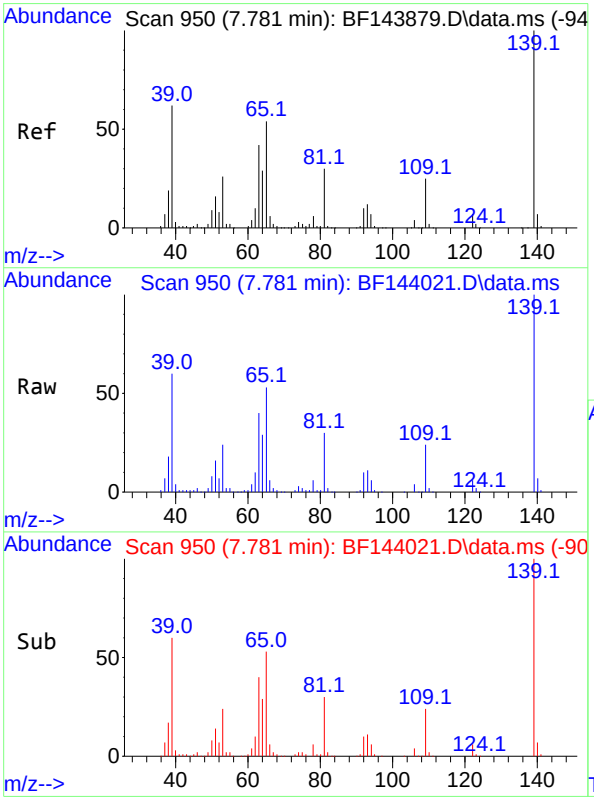
#25
Isophorone
Concen: 47.43 ng
RT: 7.698 min Scan# 9
Delta R.T. -0.023 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 82 Resp: 596412

Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.1	7.7
138	16.7	12.9	19.3

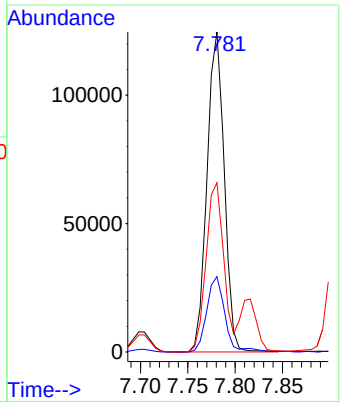


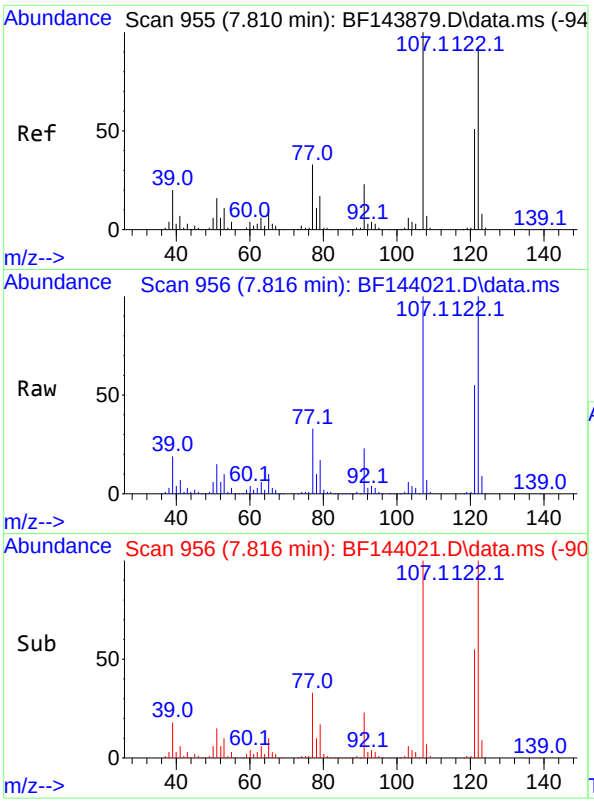


#26
2-Nitrophenol
Concen: 55.29 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:139 Resp: 156979

Ion	Ratio	Lower	Upper
139	100		
109	23.6	19.8	29.6
65	52.9	42.9	64.3



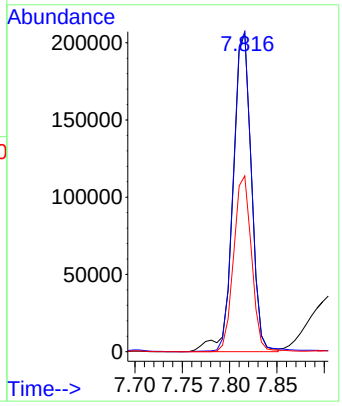


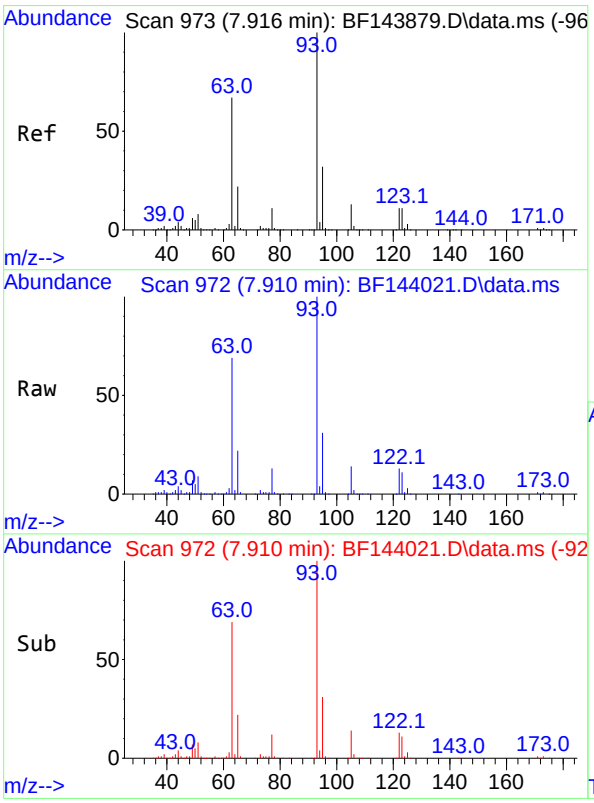
#27
2,4-Dimethylphenol
Concen: 54.25 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:122 Resp: 277081

Ion	Ratio	Lower	Upper
122	100		
107	100.5	86.1	129.1
121	55.2	43.8	65.6

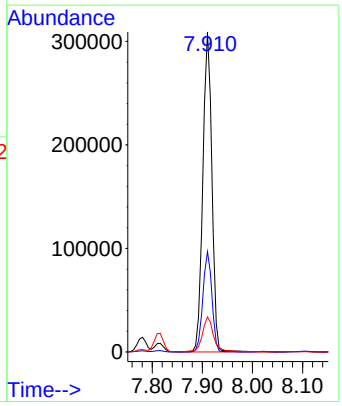


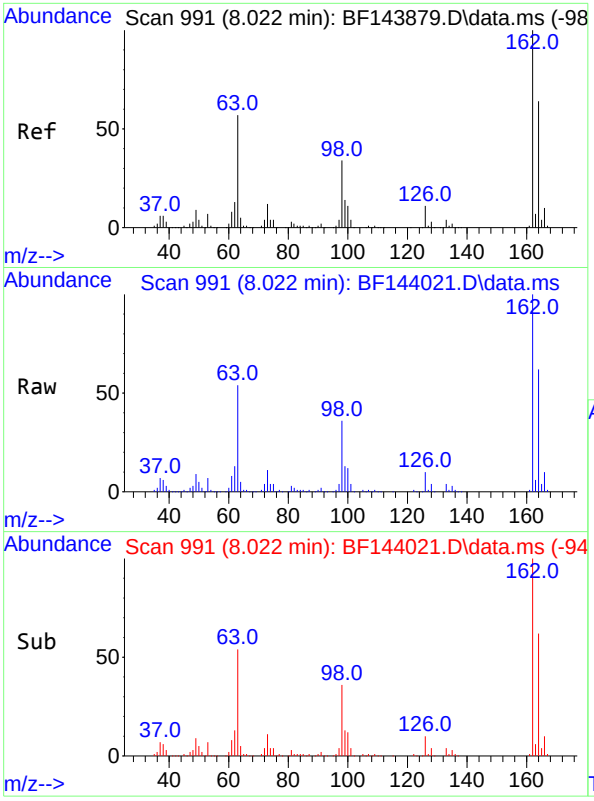


#28
bis(2-Chloroethoxy)methane
Concen: 49.18 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 93 Resp: 390627

Ion	Ratio	Lower	Upper
93	100		
95	31.3	25.9	38.9
123	11.0	9.4	14.0



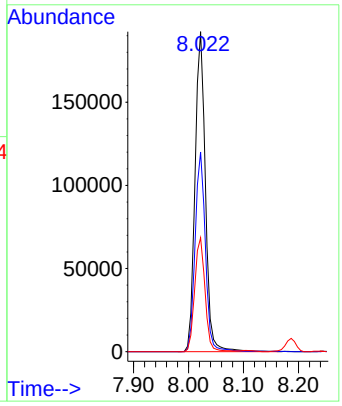


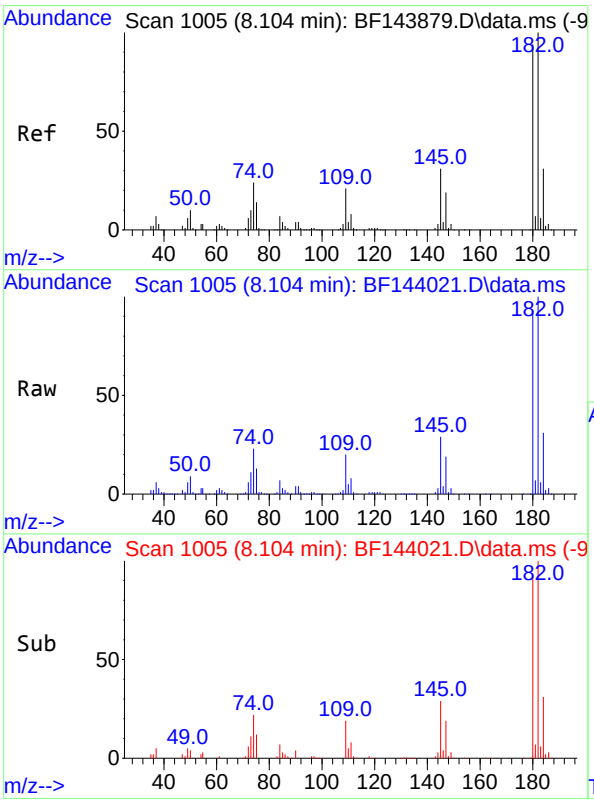
#29
2,4-Dichlorophenol
Concen: 47.35 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:162 Resp: 251894

Ion	Ratio	Lower	Upper
162	100		
164	62.4	43.9	83.9
98	35.6	14.4	54.4

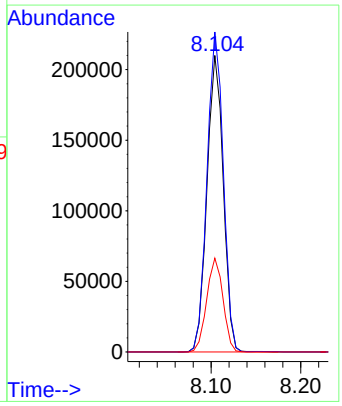


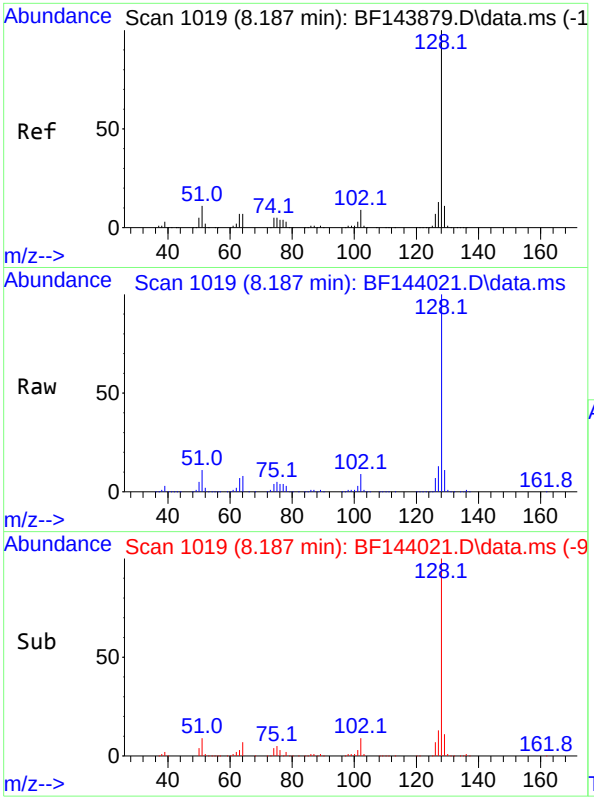


#30
1,2,4-Trichlorobenzene
Concen: 50.72 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:180 Resp: 265404

Ion	Ratio	Lower	Upper
180	100		
182	107.9	85.4	128.0
145	31.6	26.3	39.5



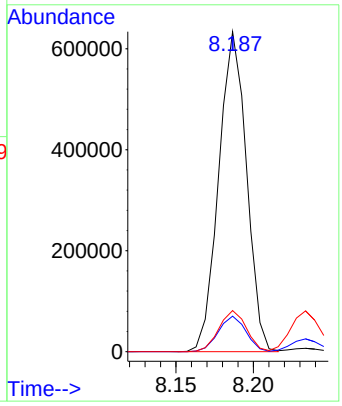


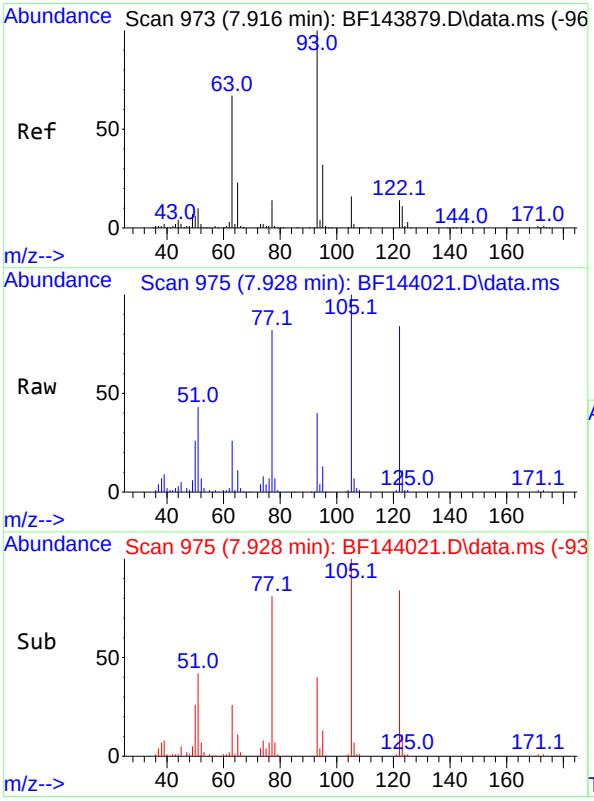
#31
Naphthalene
Concen: 47.93 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:128 Resp: 789939

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	12.9	10.0	15.0

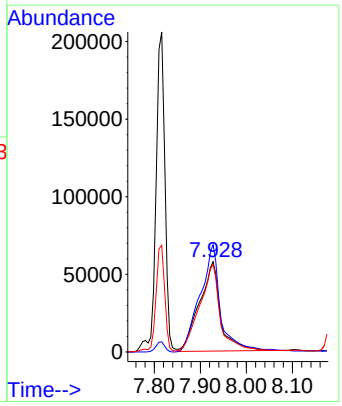


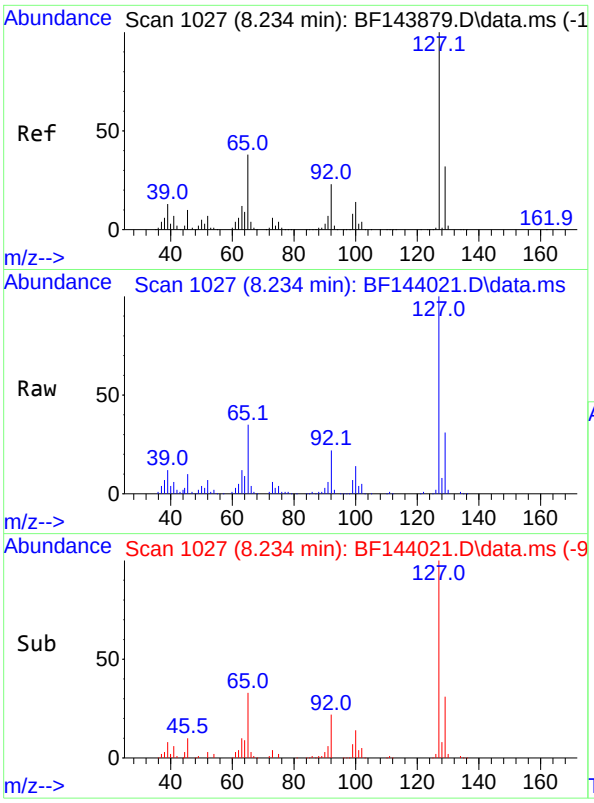


#32
Benzoic acid
Concen: 51.99 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.035 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:122 Resp: 183795

Ion	Ratio	Lower	Upper
122	100		
105	118.7	93.5	133.5
77	96.9	76.3	116.3



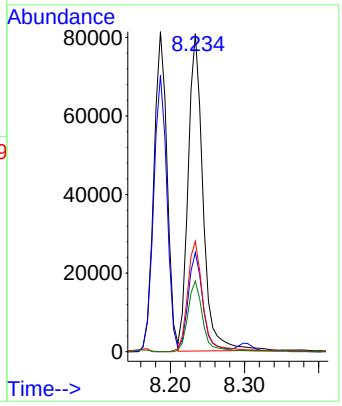


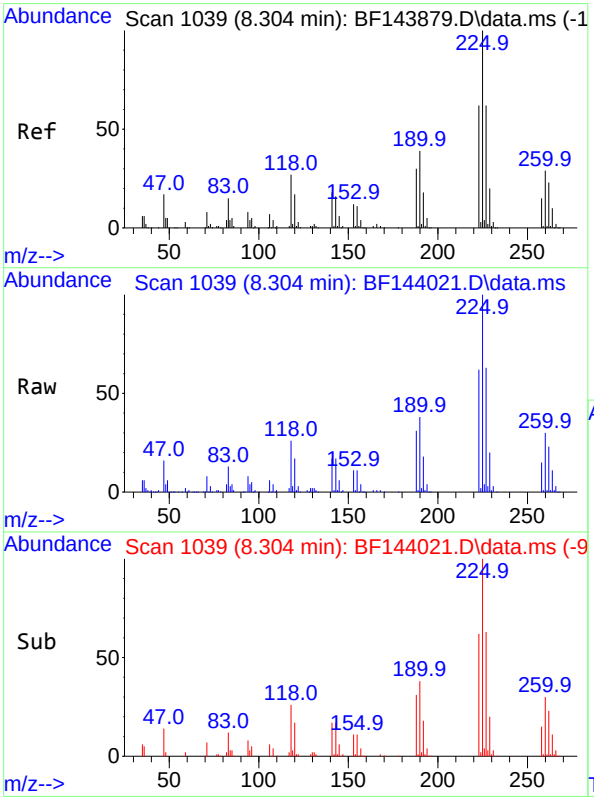
#33
4-Chloroaniline
Concen: 18.28 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:127 Resp: 112990

Ion	Ratio	Lower	Upper
127	100		
129	31.2	25.8	38.8
65	34.7	30.0	45.0
92	22.2	18.2	27.2

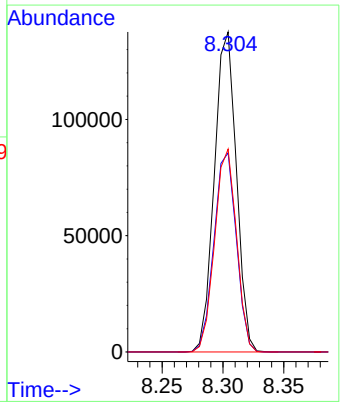


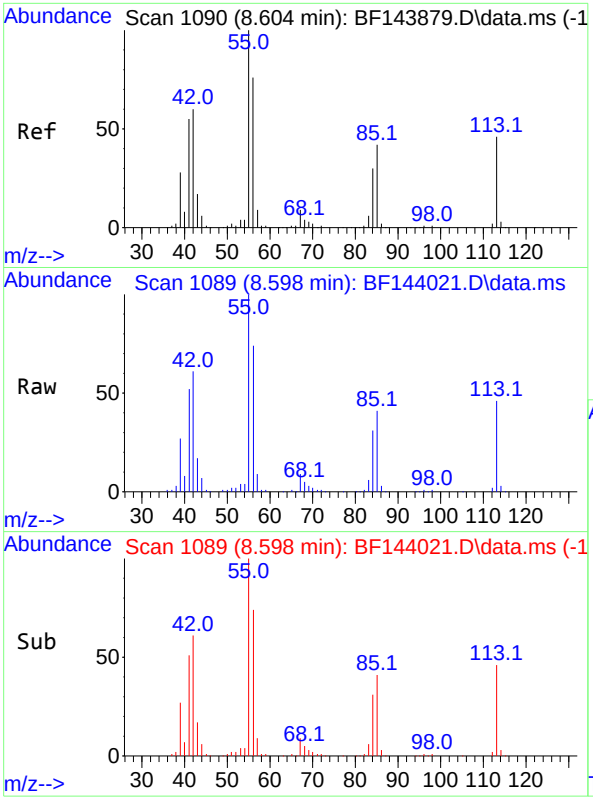


#34
Hexachlorobutadiene
Concen: 47.62 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:225 Resp: 173151

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.4	74.2
227	63.4	49.7	74.5



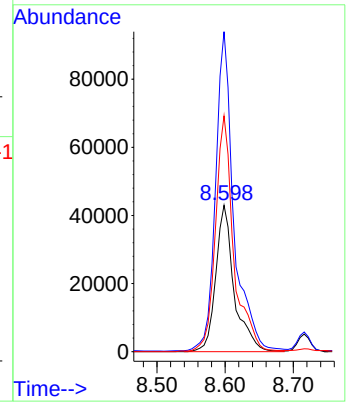


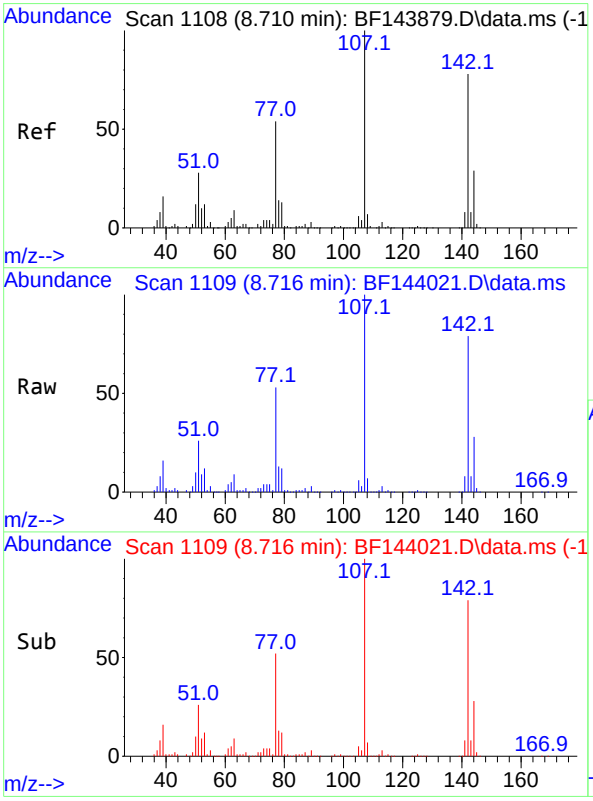
#35
Caprolactam
Concen: 47.82 ng
RT: 8.598 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:113 Resp: 80902

Ion	Ratio	Lower	Upper
113	100		
55	218.6	199.6	239.6
56	161.1	146.0	186.0

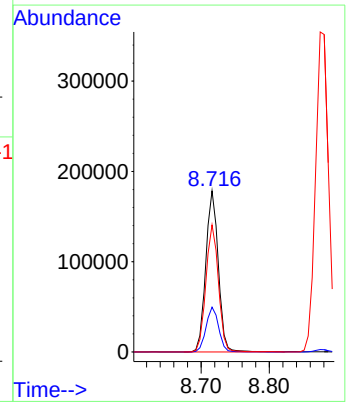


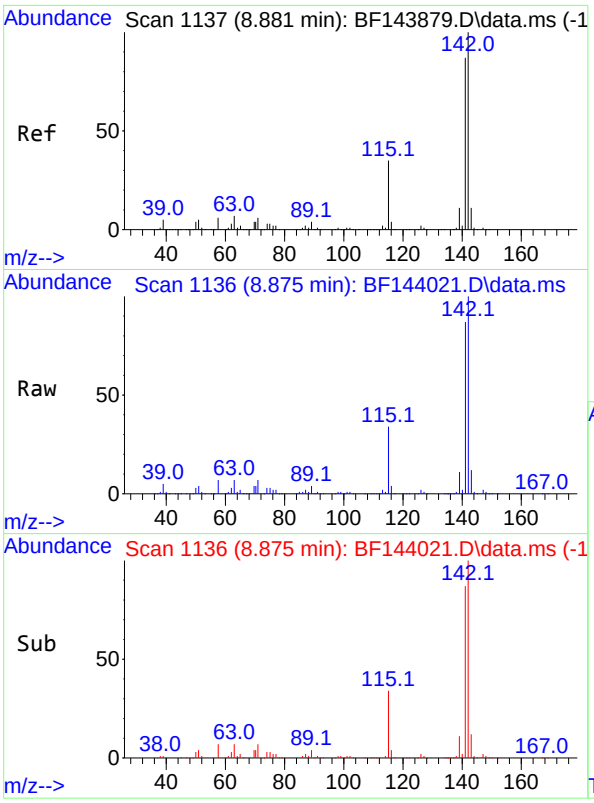


#36
4-Chloro-3-methylphenol
Concen: 44.69 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:107 Resp: 228368

Ion	Ratio	Lower	Upper
107	100		
144	27.8	23.1	34.7
142	78.9	62.6	94.0



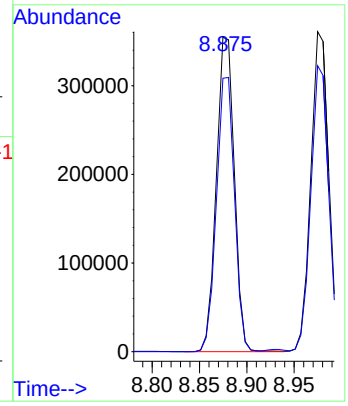


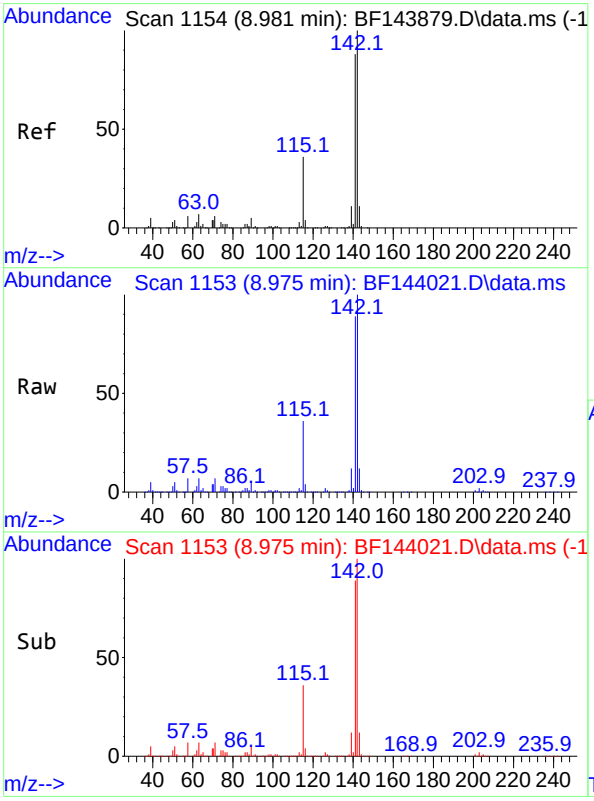
#37
2-Methylnaphthalene
Concen: 42.63 ng
RT: 8.875 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:142 Resp: 467991

Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.2	103.8

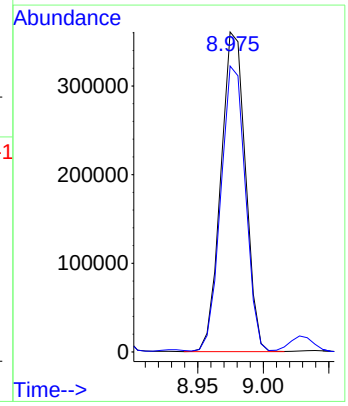


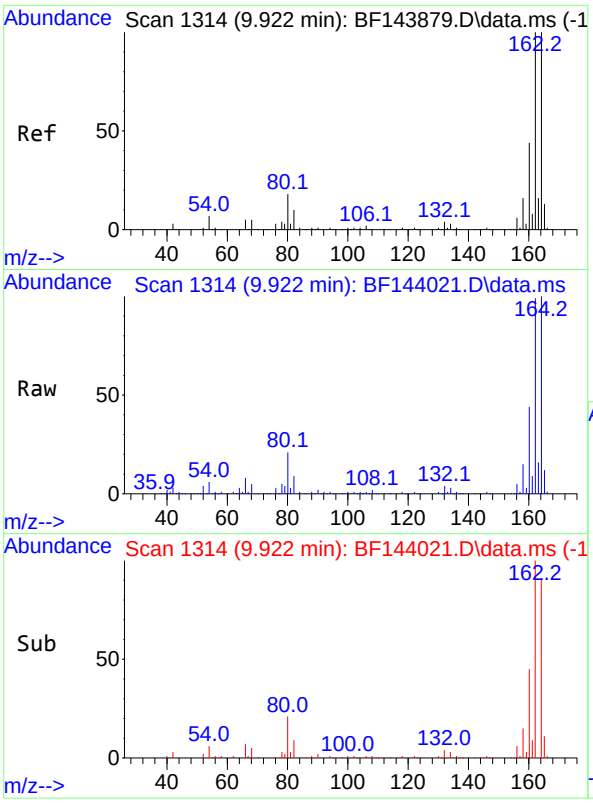


#38
1-Methylnaphthalene
Concen: 44.15 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:142 Resp: 470146

Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.8	106.2



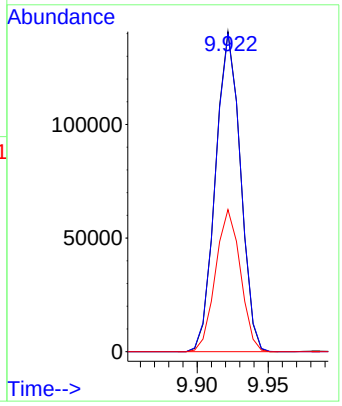


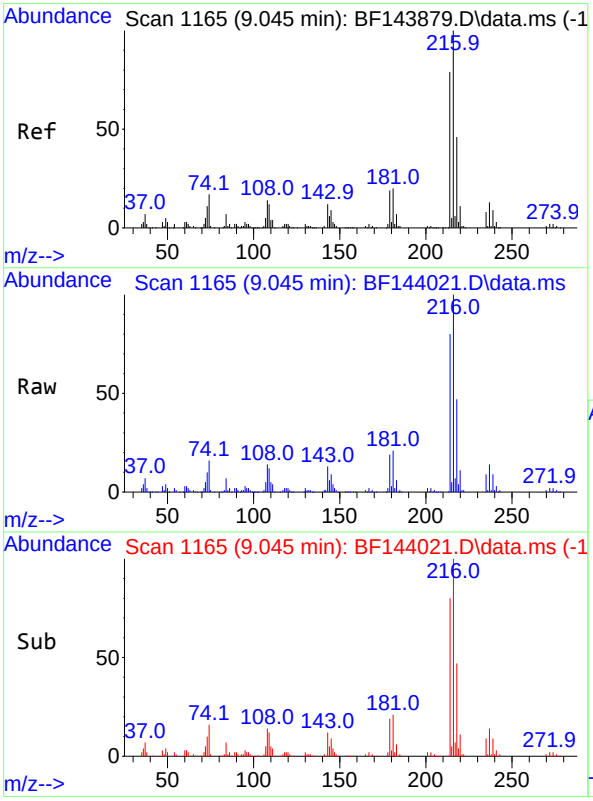
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:164 Resp: 171519

Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.2
160	44.4	35.4	53.0

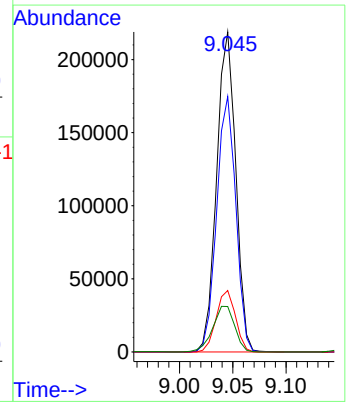


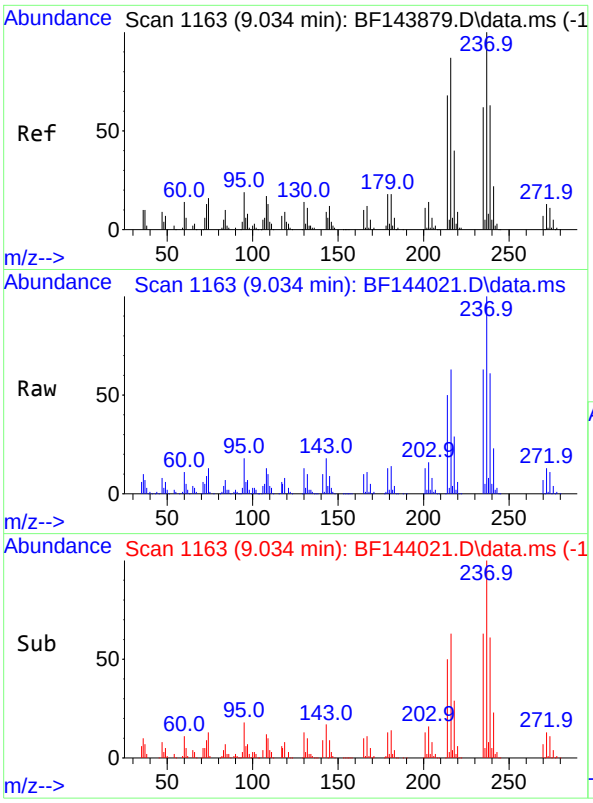


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.57 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:216 Resp: 272902

Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.6	94.0
179	19.4	15.4	23.0
108	16.4	12.0	18.0



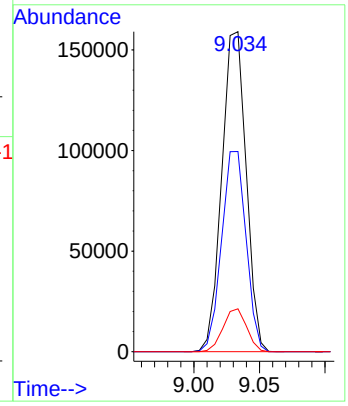


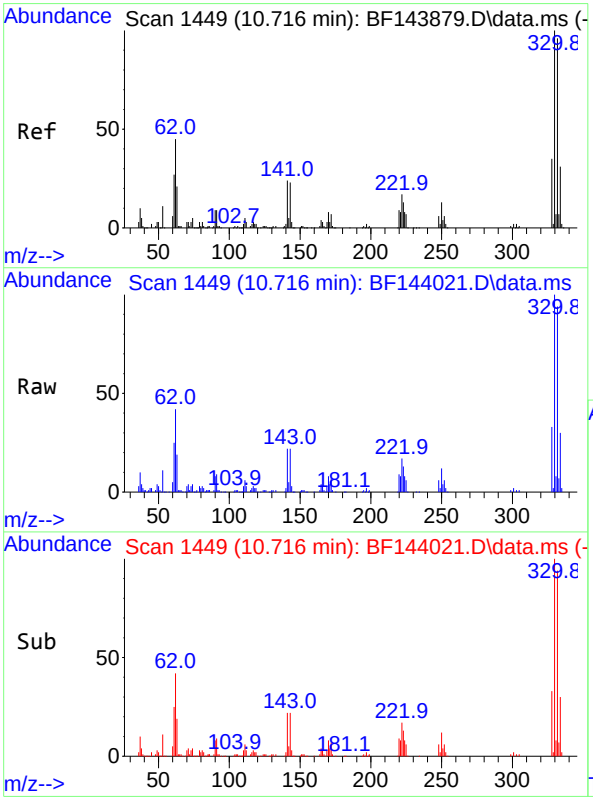
#41
Hexachlorocyclopentadiene
Concen: 104.41 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:237 Resp: 205343

Ion	Ratio	Lower	Upper
237	100		
235	62.5	42.3	82.3
272	13.4	0.0	33.1

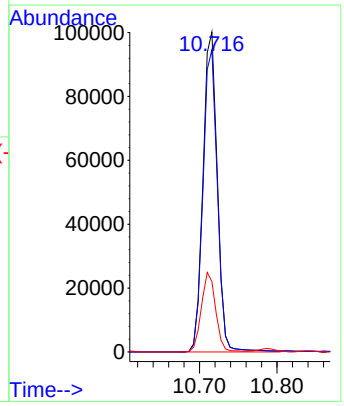


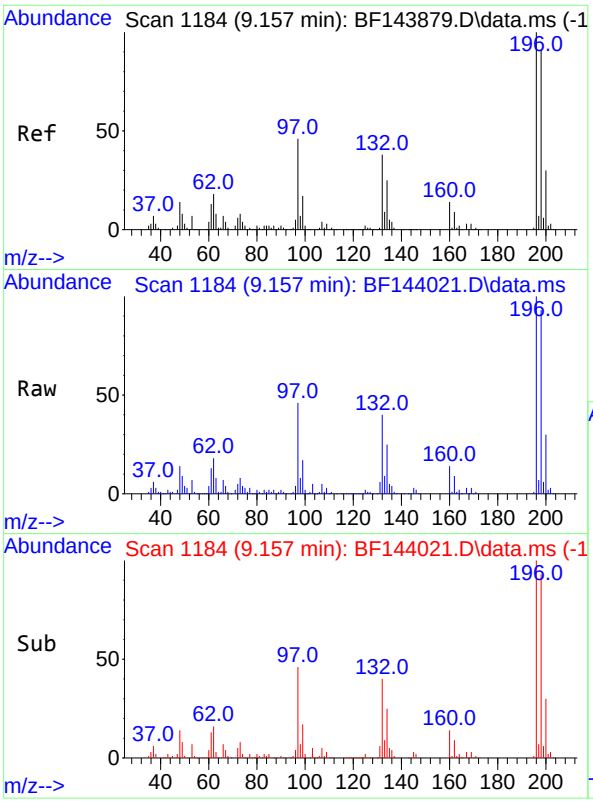


#42
2,4,6-Tribromophenol
Concen: 75.27 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:330 Resp: 128593

Ion	Ratio	Lower	Upper
330	100		
332	95.3	76.9	115.3
141	24.8	20.2	30.4



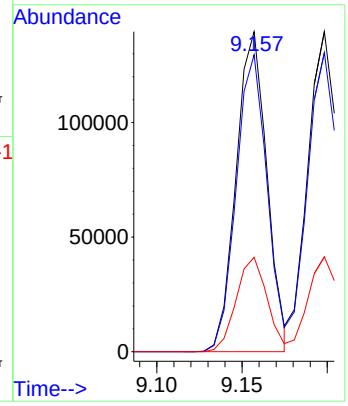


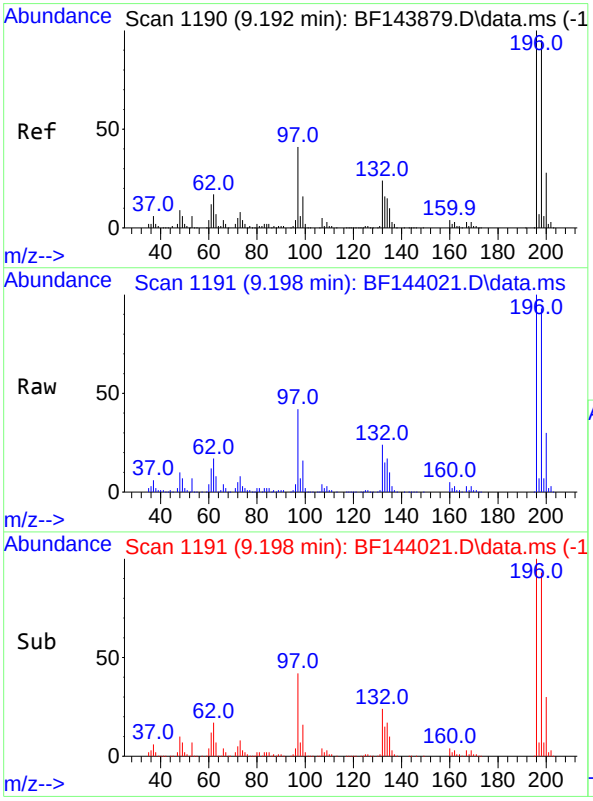
#43
2,4,6-Trichlorophenol
Concen: 50.62 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:196 Resp: 175339

Ion	Ratio	Lower	Upper
196	100		
198	92.8	72.8	109.2
200	29.5	24.0	36.0

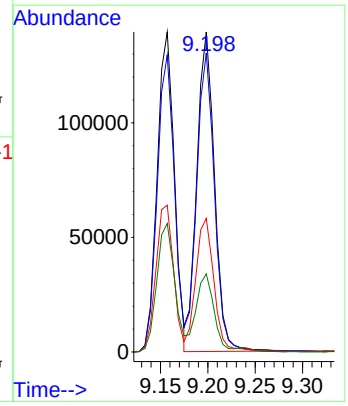


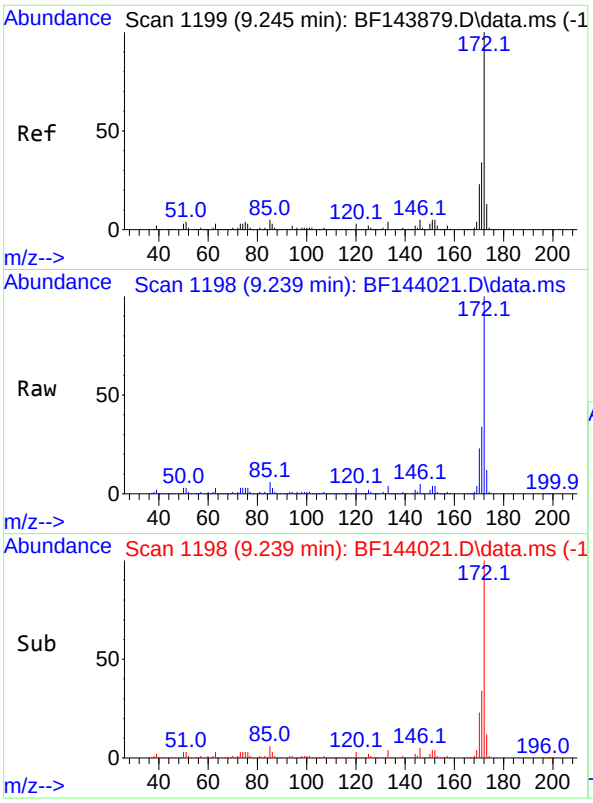


#44
2,4,5-Trichlorophenol
Concen: 49.66 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:196 Resp: 181781

Ion	Ratio	Lower	Upper
196	100		
198	93.4	75.5	113.3
97	41.8	33.9	50.9
132	24.4	20.0	30.0



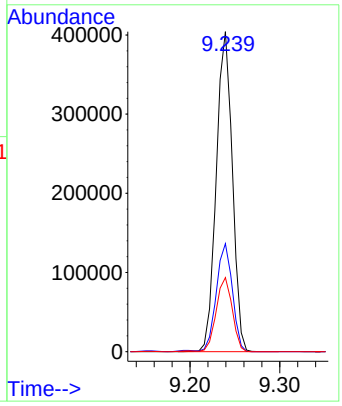


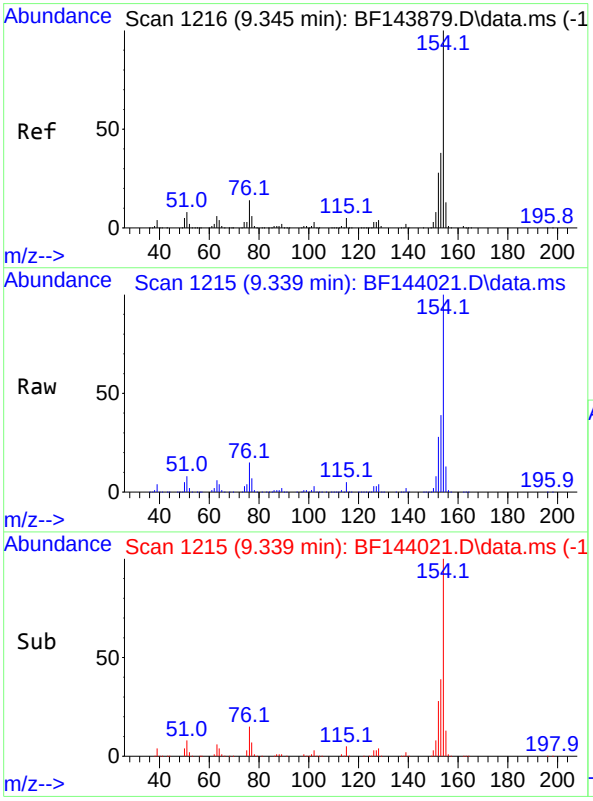
#45
2-Fluorobiphenyl
Concen: 46.50 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:172 Resp: 502594

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.4	41.0
170	23.2	18.6	28.0

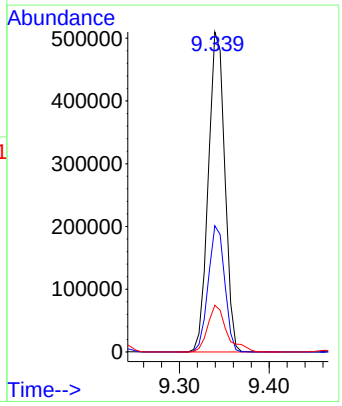


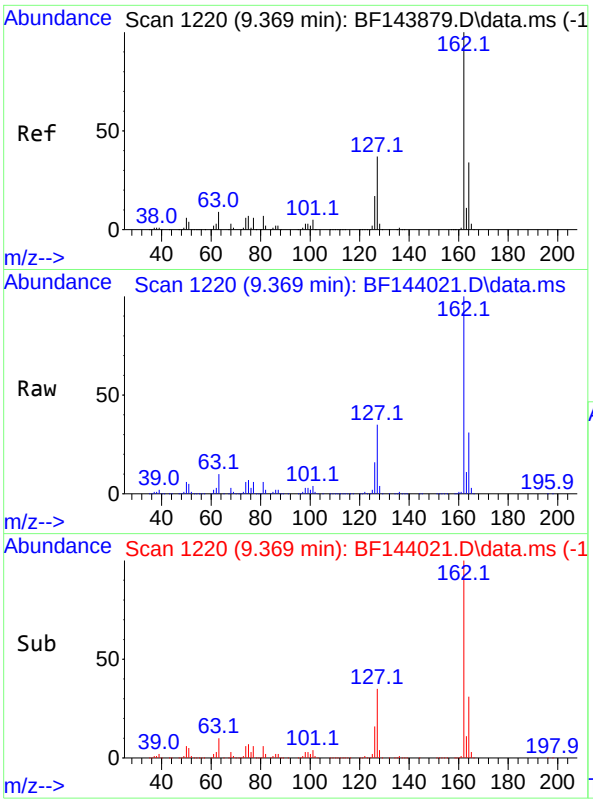


#46
1,1'-Biphenyl
Concen: 57.17 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:154 Resp: 649183

Ion	Ratio	Lower	Upper
154	100		
153	39.5	18.4	58.4
76	14.6	0.0	34.0



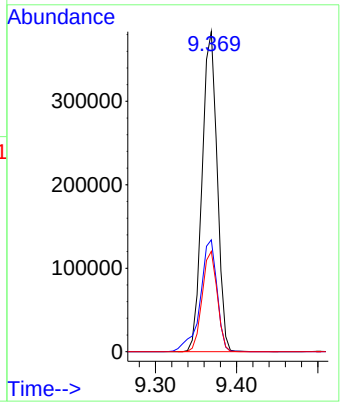


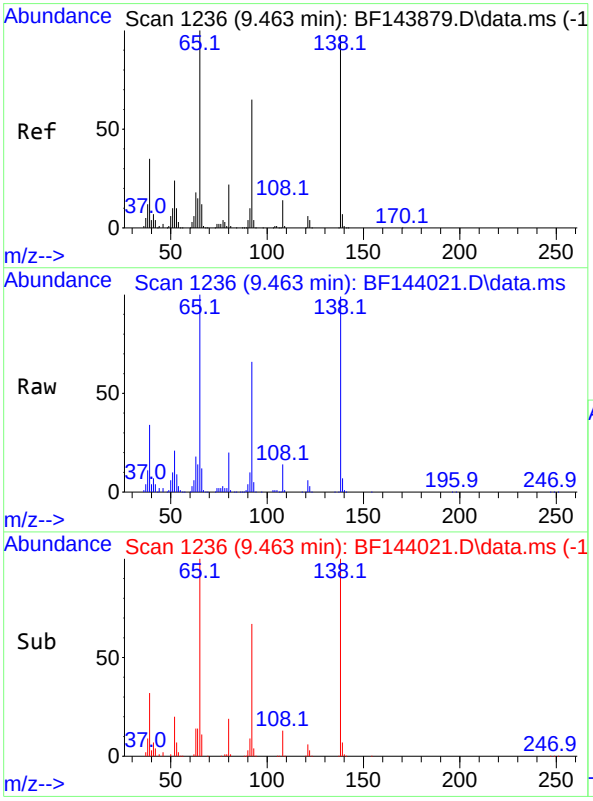
#47
2-Chloronaphthalene
Concen: 51.82 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:162 Resp: 490643

Ion	Ratio	Lower	Upper
162	100		
127	34.9	30.2	45.2
164	31.3	26.9	40.3

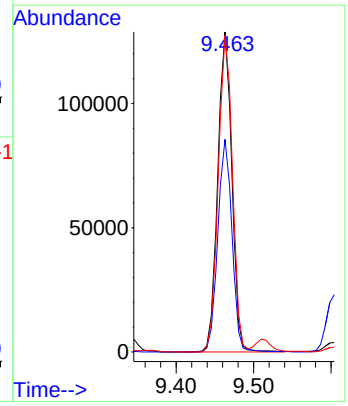


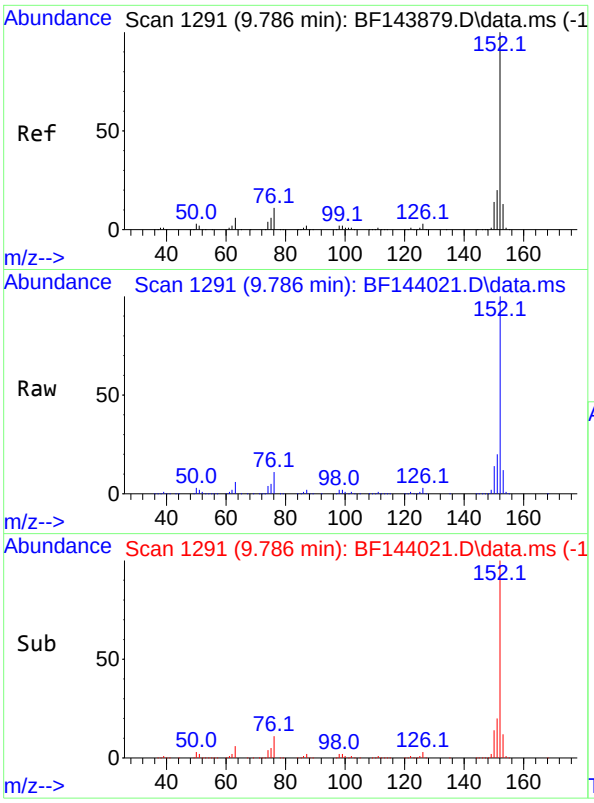


#48
2-Nitroaniline
Concen: 54.54 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion: 65 Resp: 163271

Ion	Ratio	Lower	Upper
65	100		
92	66.4	52.1	78.1
138	98.9	77.4	116.2



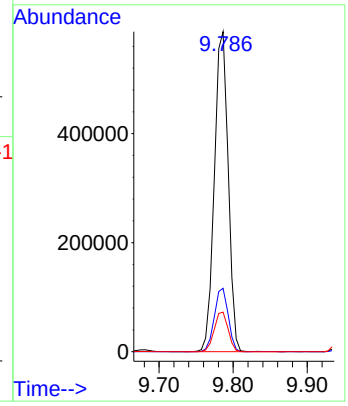


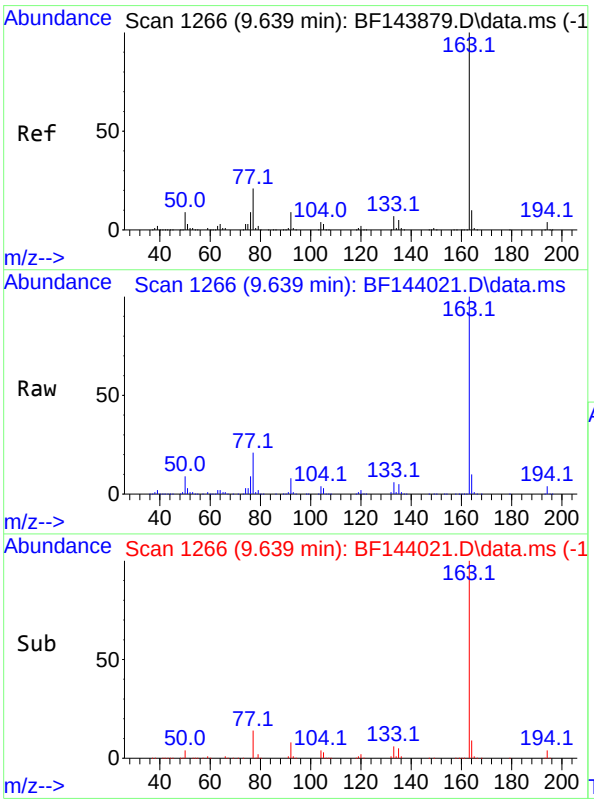
#49
Acenaphthylene
Concen: 57.11 ng
RT: 9.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:152 Resp: 760218

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.6
153	12.4	10.5	15.7

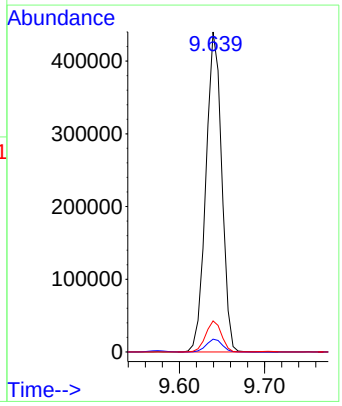


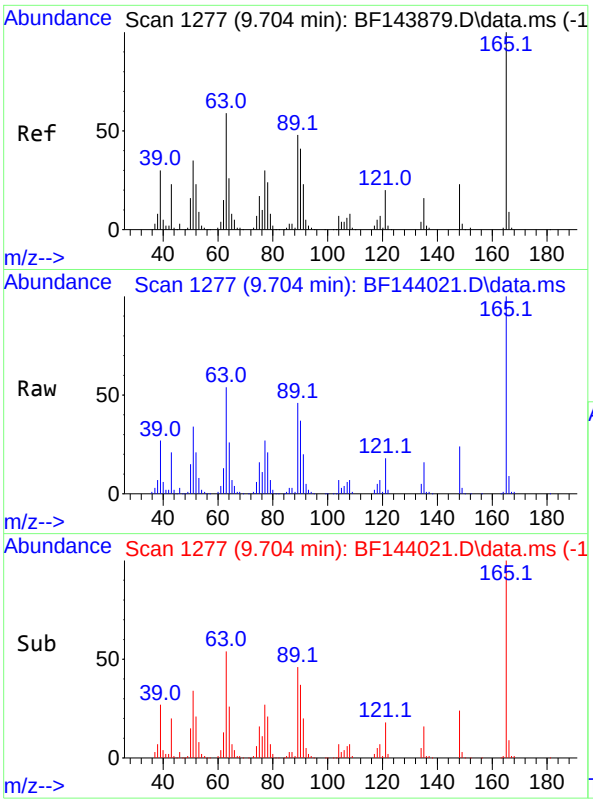


#50
Dimethylphthalate
Concen: 52.07 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:163 Resp: 567160

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.7	8.1	12.1



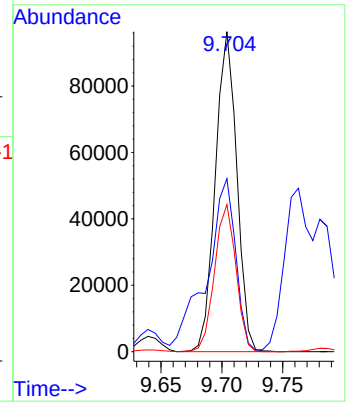


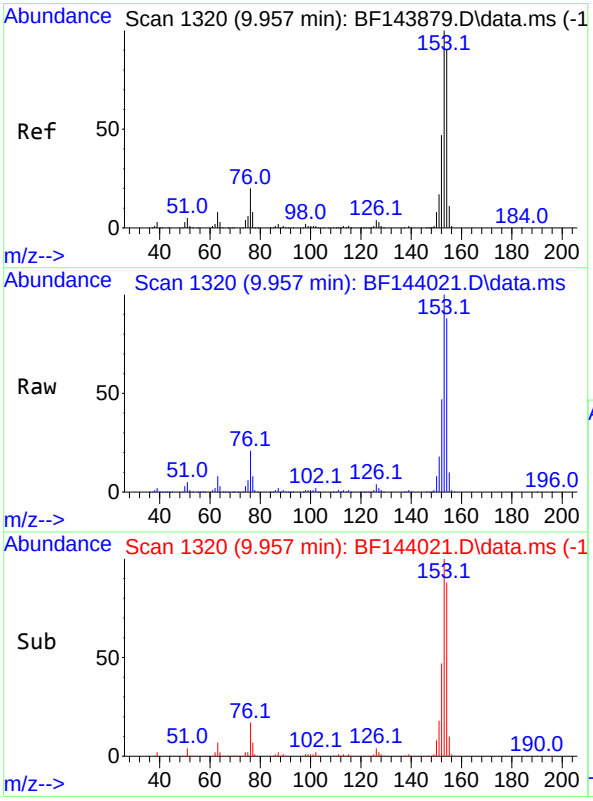
#51
2,6-Dinitrotoluene
Concen: 58.35 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:165 Resp: 117859

Ion	Ratio	Lower	Upper
165	100		
63	54.1	47.3	70.9
89	46.0	38.2	57.4

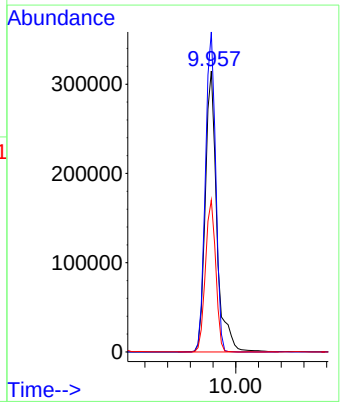


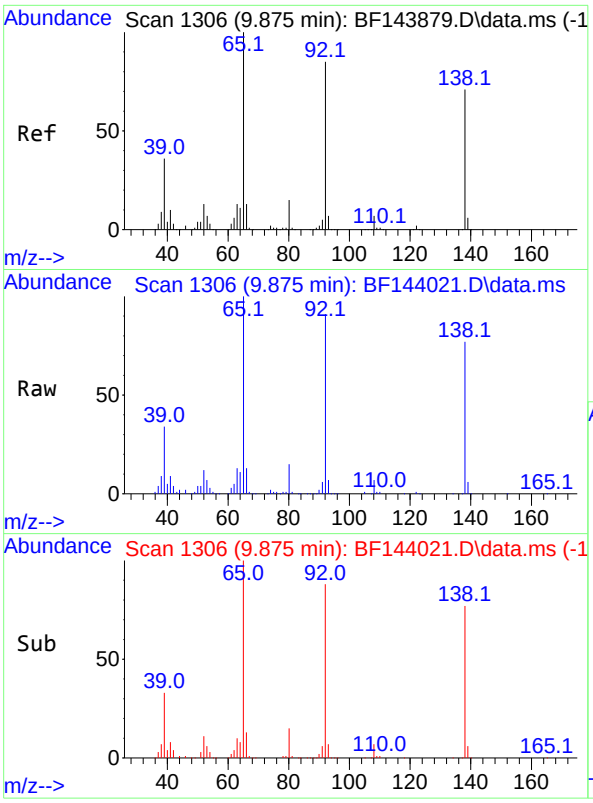


#52
Acenaphthene
Concen: 50.84 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:154 Resp: 443420

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.3	133.9
152	54.0	42.2	63.2



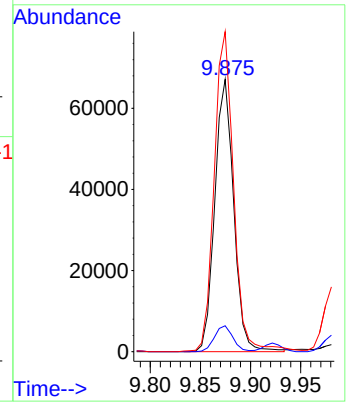


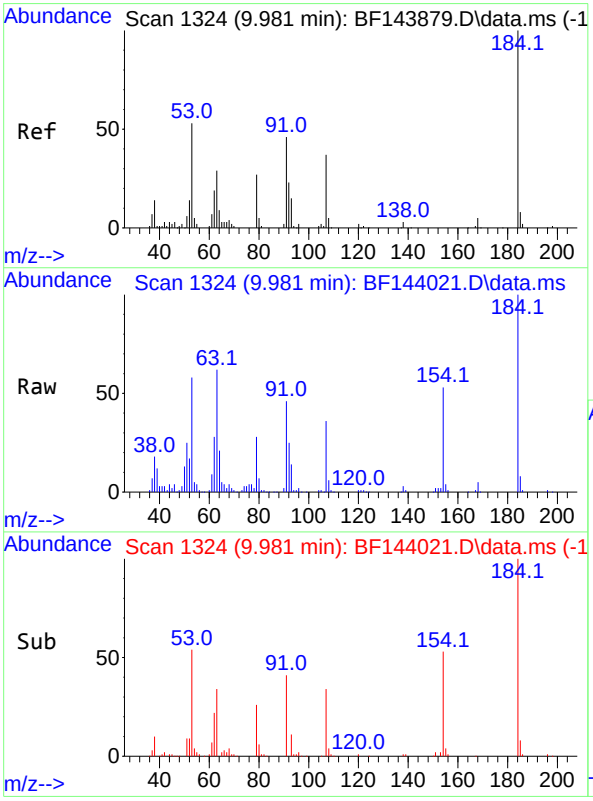
#53
3-Nitroaniline
Concen: 35.60 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:138 Resp: 88035

Ion	Ratio	Lower	Upper
138	100		
108	9.5	8.3	12.5
92	117.5	96.2	144.2

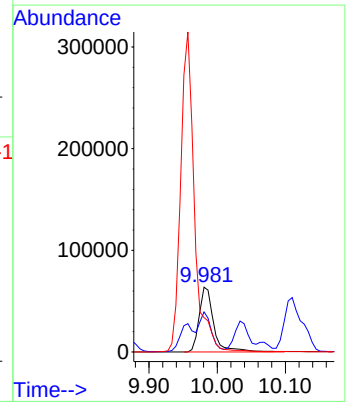


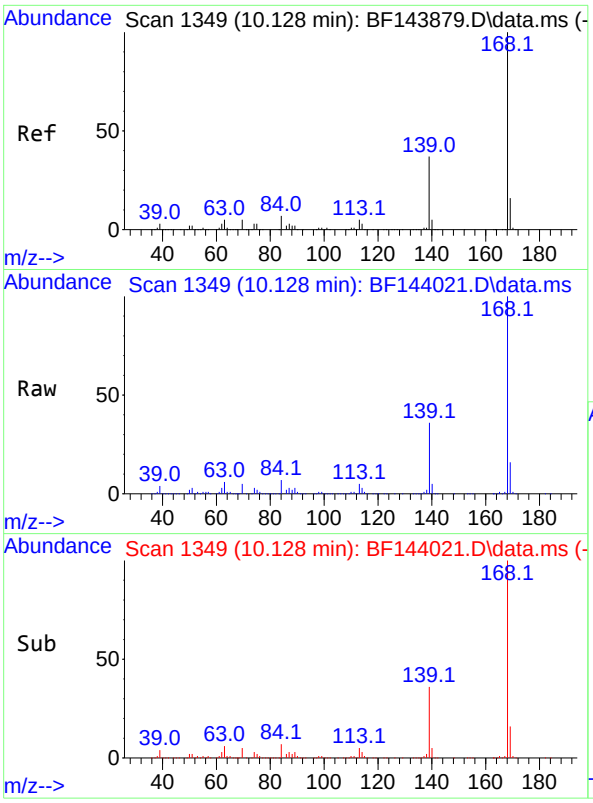


#54
2,4-Dinitrophenol
Concen: 76.43 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:184 Resp: 94795

Ion	Ratio	Lower	Upper
184	100		
63	61.7	48.2	72.4
154	53.2	49.2	73.8



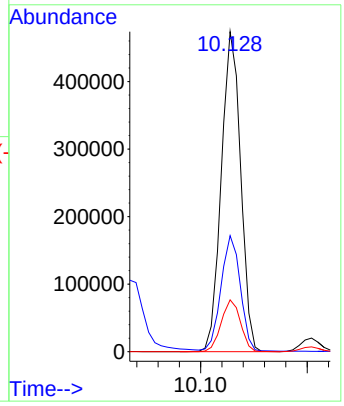


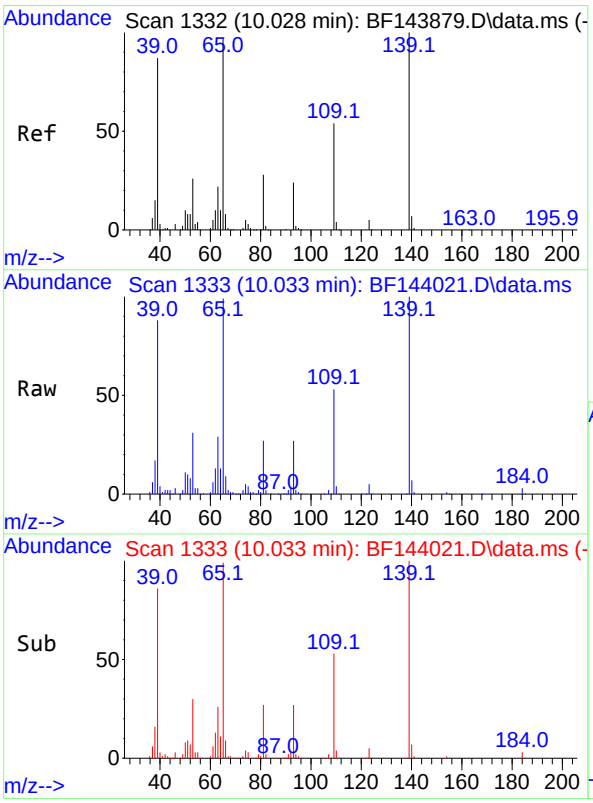
#55
Dibenzofuran
Concen: 48.38 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:168 Resp: 595679

Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.8	44.8
169	16.2	12.8	19.2

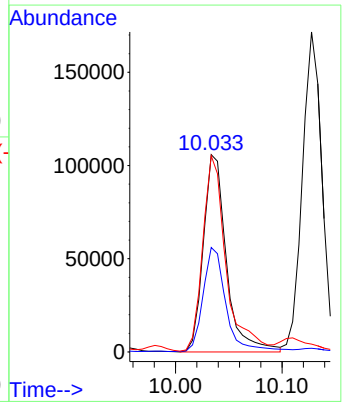


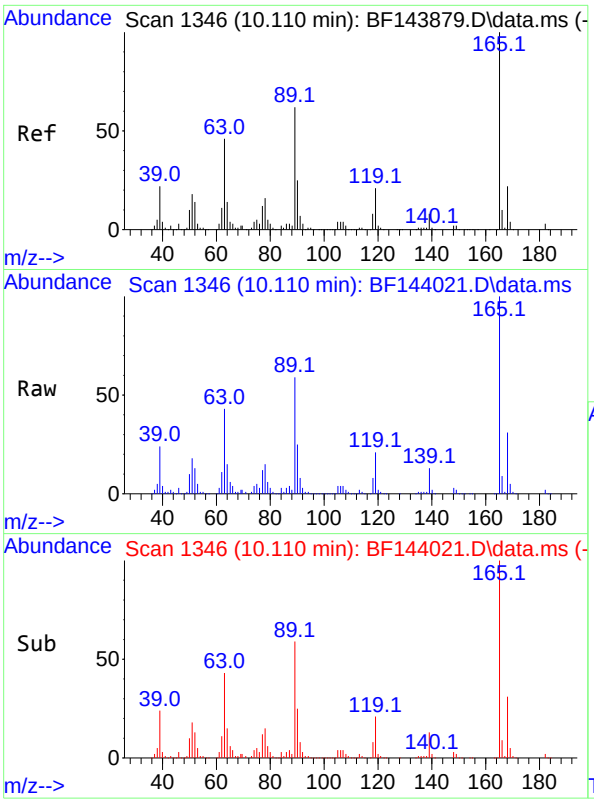


#56
4-Nitrophenol
Concen: 85.22 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:139 Resp: 159580

Ion	Ratio	Lower	Upper
139	100		
109	52.9	34.5	74.5
65	99.4	77.6	117.6



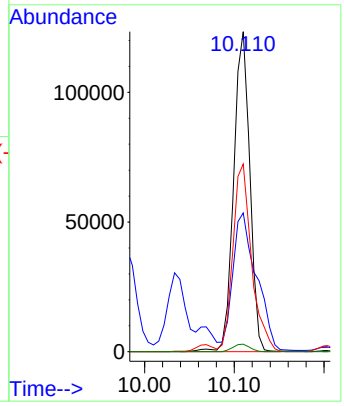


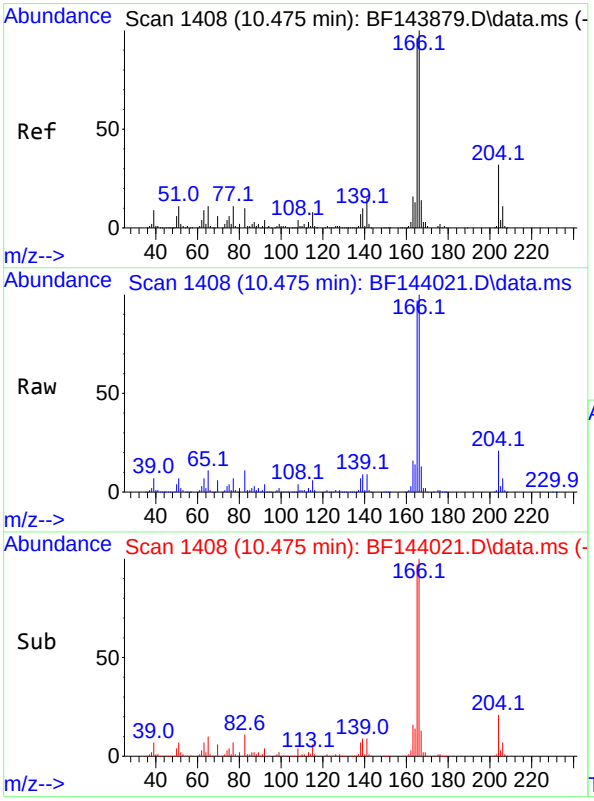
#57
2,4-Dinitrotoluene
Concen: 56.03 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:165 Resp: 153965

Ion	Ratio	Lower	Upper
165	100		
63	43.3	37.2	55.8
89	58.7	49.4	74.2
182	2.4	2.1	3.1

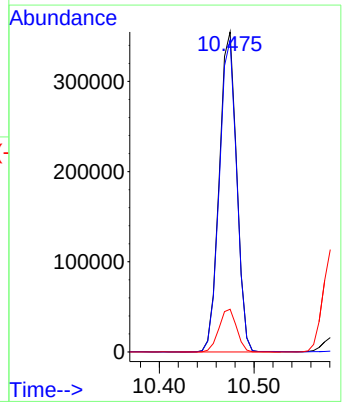


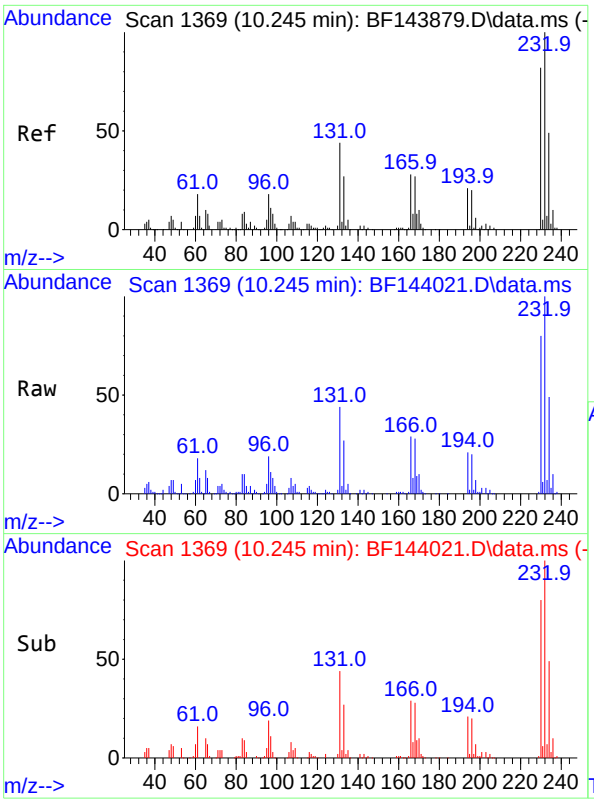


#58
Fluorene
Concen: 48.76 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:166 Resp: 453015

Ion	Ratio	Lower	Upper
166	100		
165	97.4	77.0	115.6
167	13.3	11.1	16.7



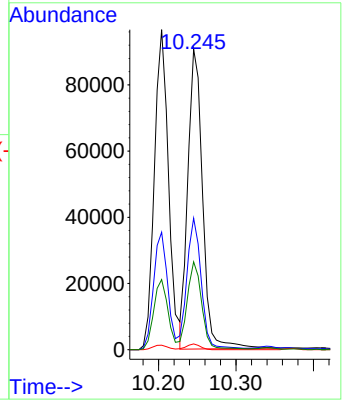


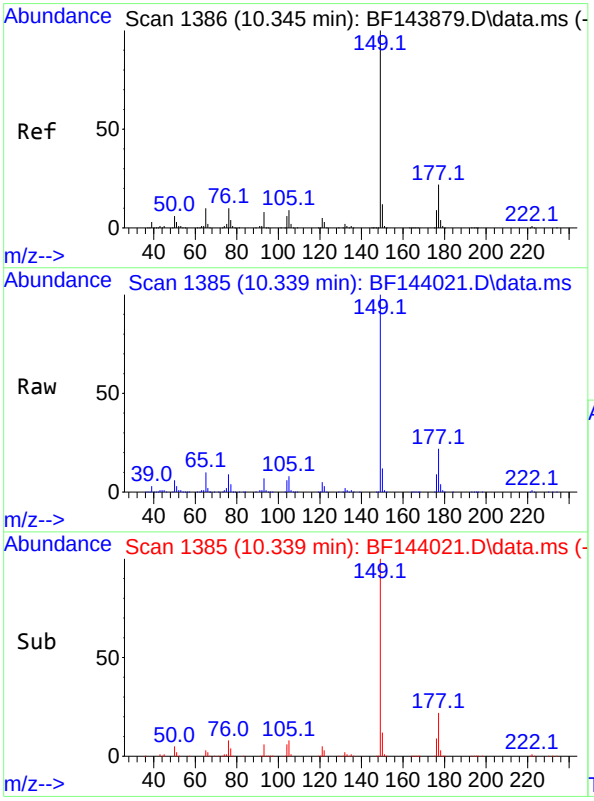
#59
2,3,4,6-Tetrachlorophenol
Concen: 46.27 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:232 Resp: 119888

Ion	Ratio	Lower	Upper
232	100		
131	43.3	34.9	52.3
130	1.8	1.6	2.4
166	28.4	22.0	33.0

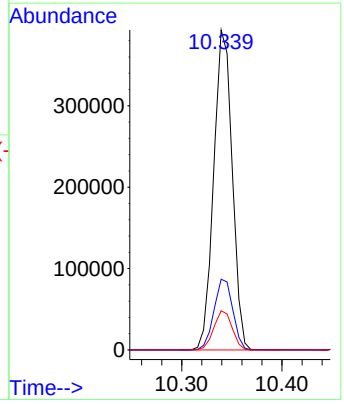


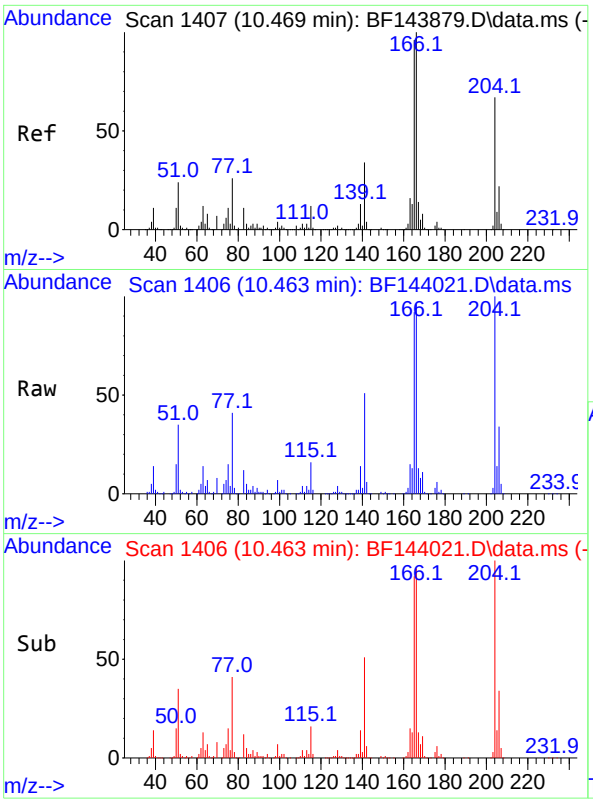


#60
Diethylphthalate
Concen: 49.82 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 504158

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.9	26.9
150	12.3	9.8	14.8



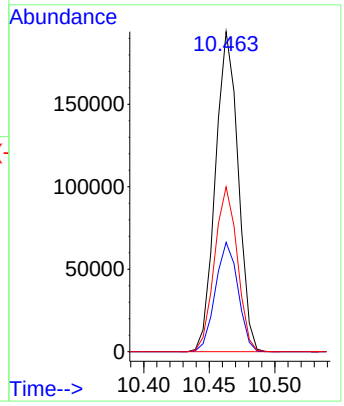


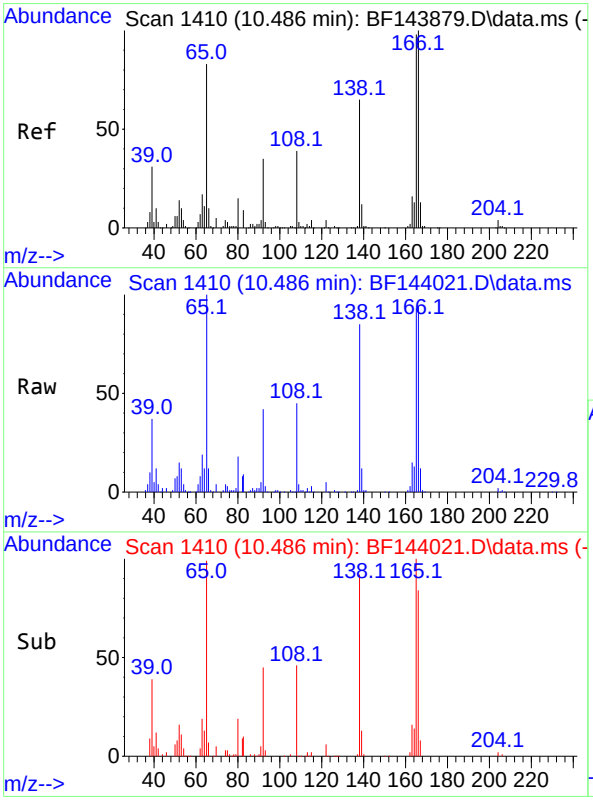
#61
4-Chlorophenyl-phenylether
Concen: 47.48 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:204 Resp: 233202

Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.6	40.0
141	51.5	40.4	60.6

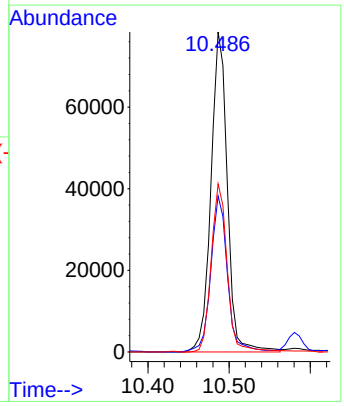


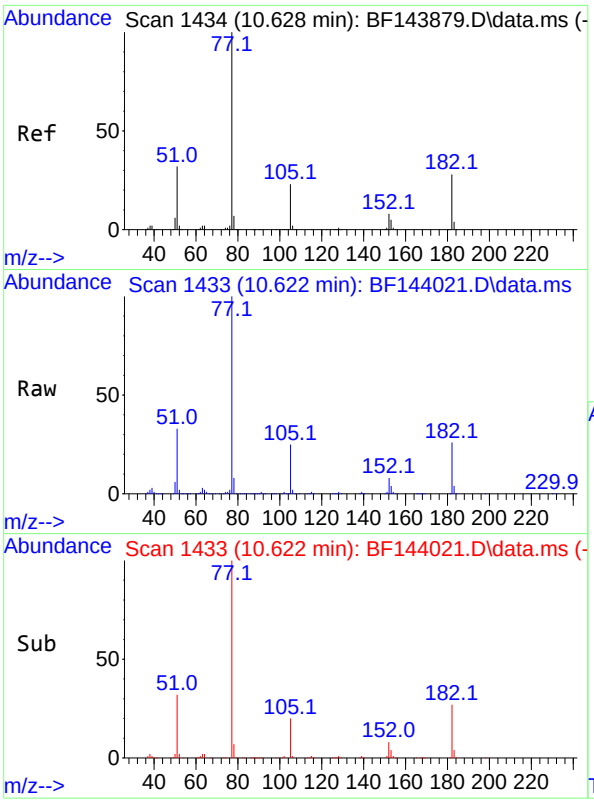


#62
4-Nitroaniline
Concen: 46.20 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:138 Resp: 109876

Ion	Ratio	Lower	Upper
138	100		
92	48.7	33.9	73.9
108	52.6	40.2	80.2



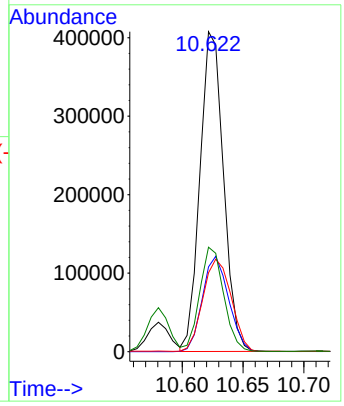


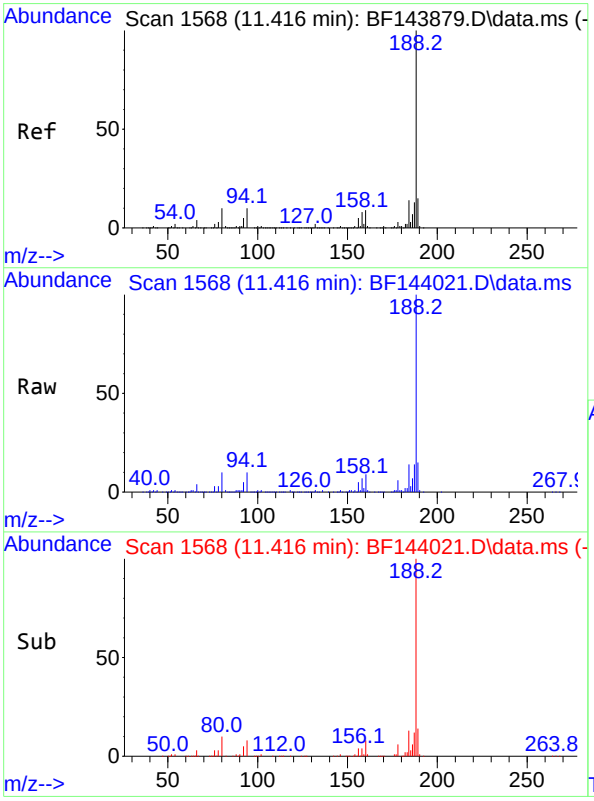
#63
Azobenzene
Concen: 51.97 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion: 77 Resp: 549618

Ion	Ratio	Lower	Upper
77	100		
182	26.5	7.3	47.3
105	24.7	3.0	43.0
51	32.7	13.5	53.5

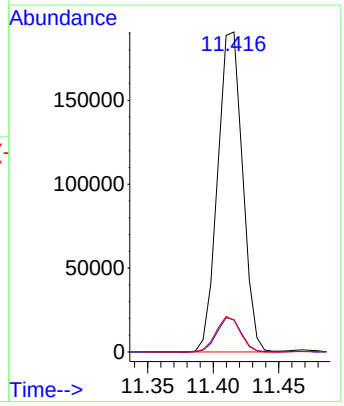


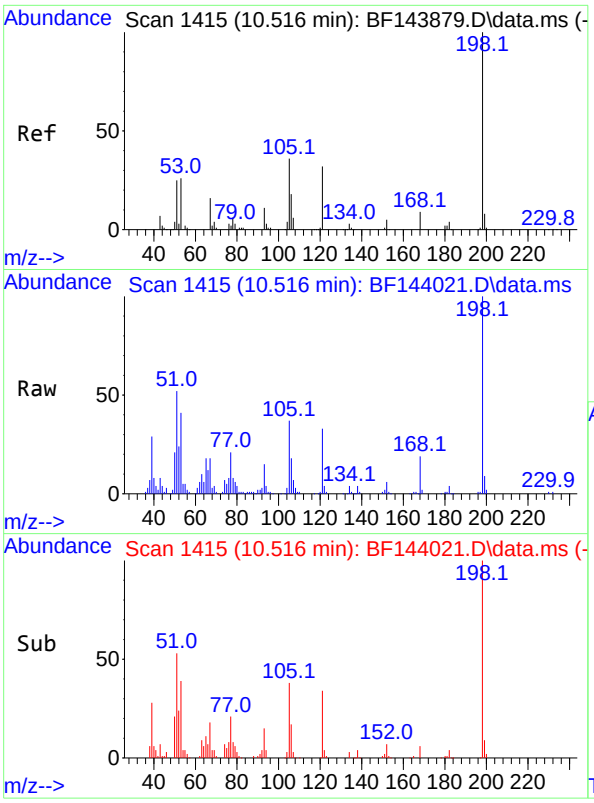


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:188 Resp: 251833

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.8	11.6
80	9.9	7.9	11.9



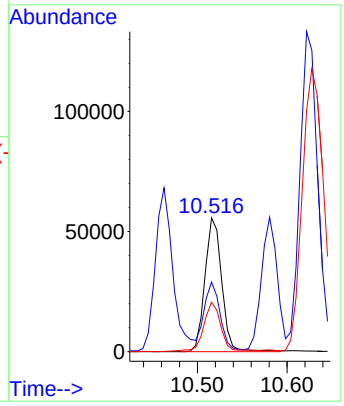


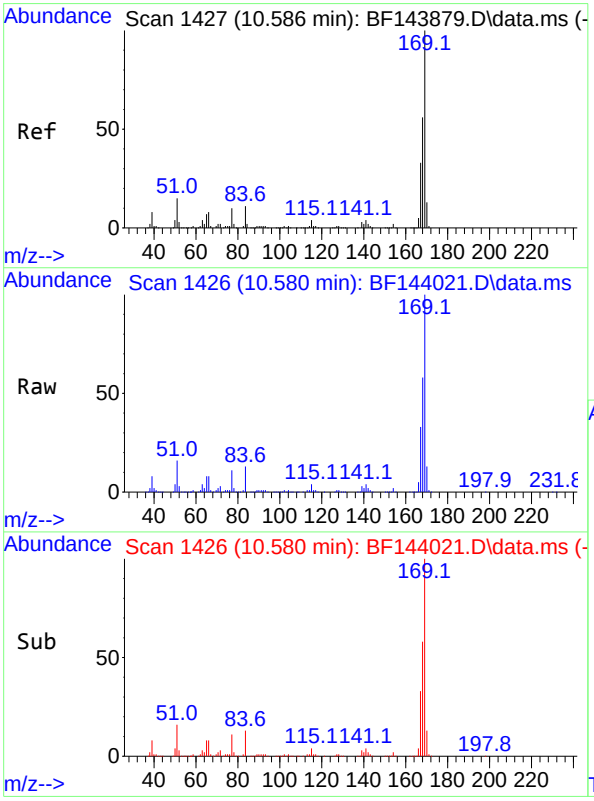
#65
4,6-Dinitro-2-methylphenol
Concen: 57.19 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:198 Resp: 72380

Ion	Ratio	Lower	Upper
198	100		
51	52.0	33.8	73.8
105	37.0	17.0	57.0

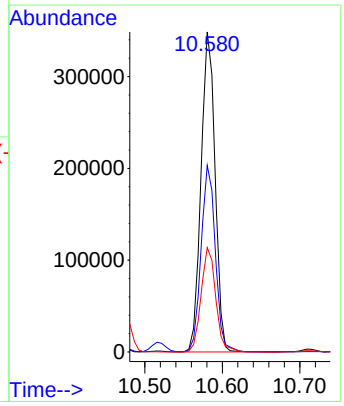


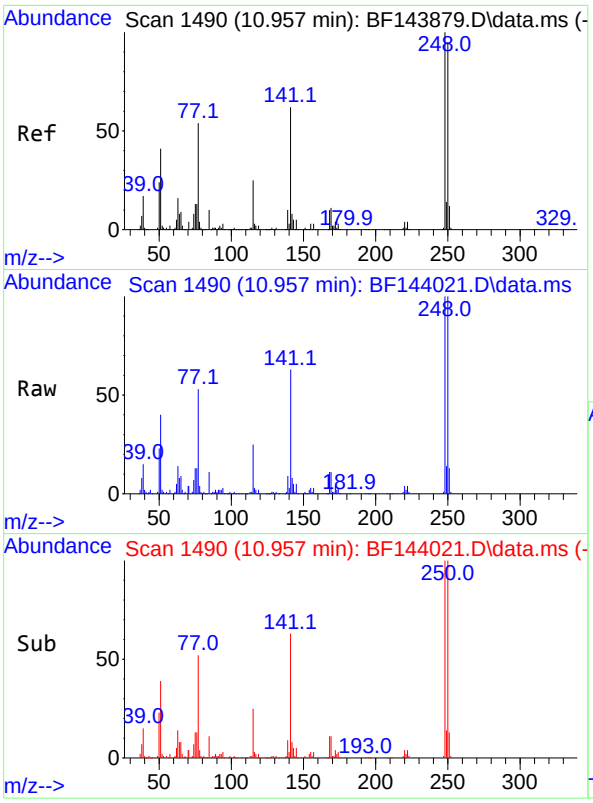


#66
n-Nitrosodiphenylamine
Concen: 55.46 ng
RT: 10.580 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:169 Resp: 438535

Ion	Ratio	Lower	Upper
169	100		
168	58.3	44.9	67.3
167	32.6	26.3	39.5



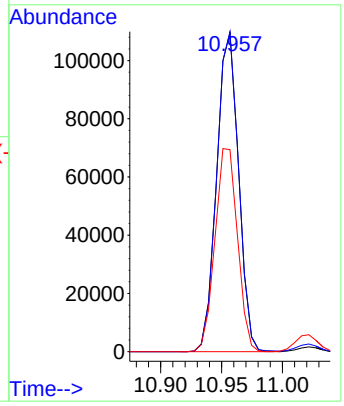


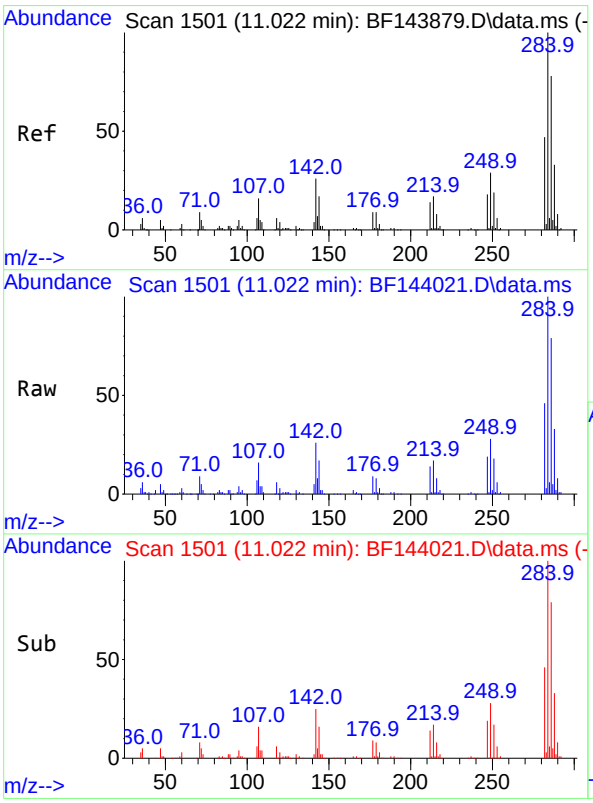
#67
4-Bromophenyl-phenylether
Concen: 49.23 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:248 Resp: 137013

Ion	Ratio	Lower	Upper
248	100		
250	100.4	76.3	114.5
141	63.4	49.7	74.5

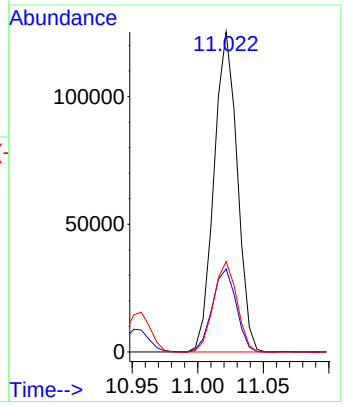


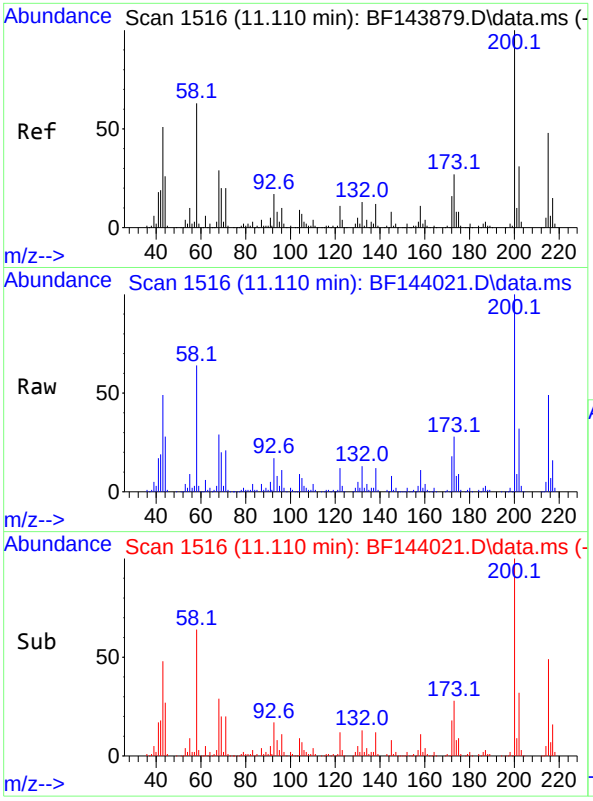


#68
Hexachlorobenzene
Concen: 47.84 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:284 Resp: 154149

Ion	Ratio	Lower	Upper
284	100		
142	26.0	20.6	30.8
249	28.3	23.2	34.8



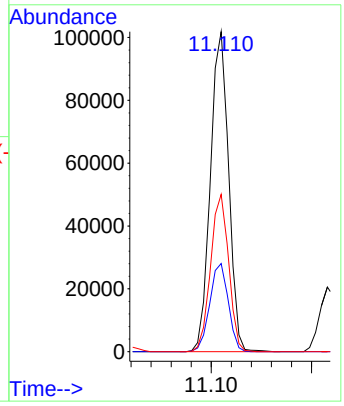


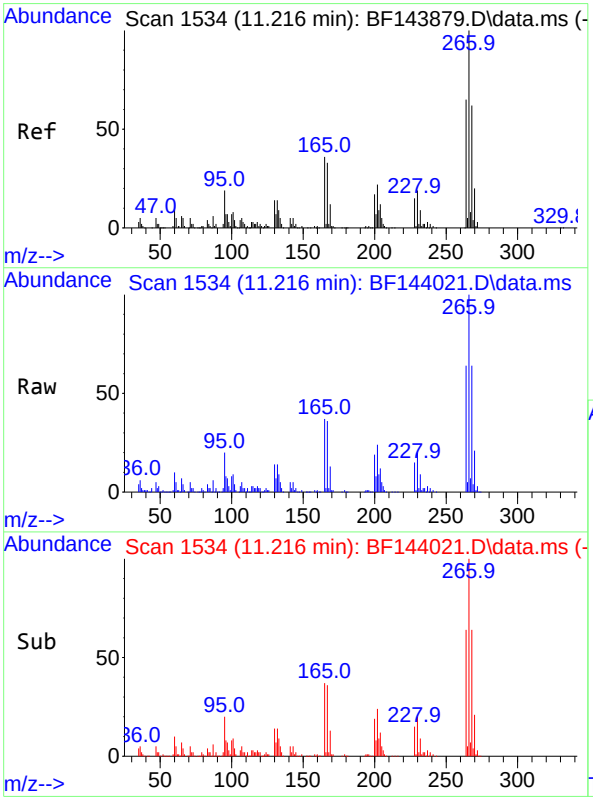
#69
Atrazine
Concen: 53.66 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:200 Resp: 128608

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.0	47.0
215	49.2	27.8	67.8

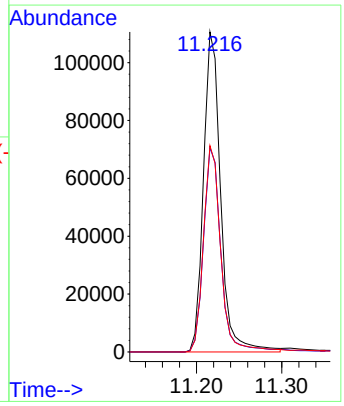


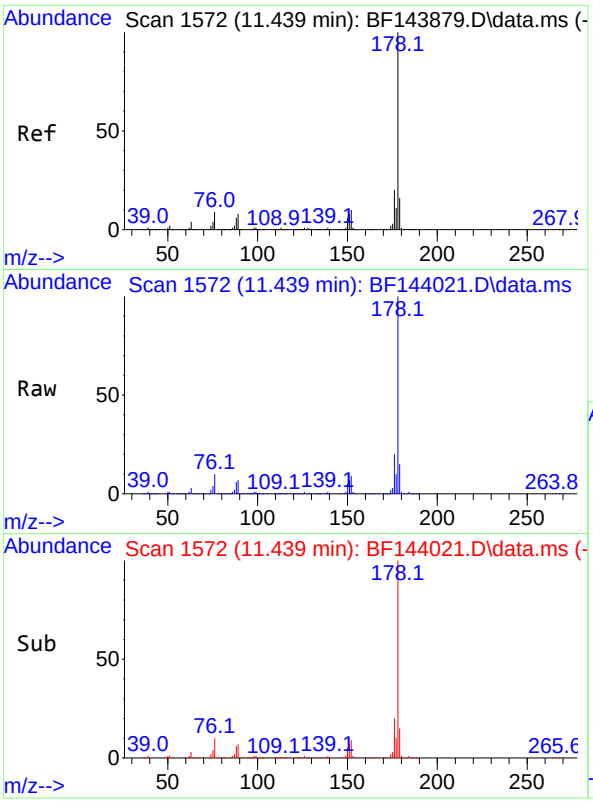


#70
Pentachlorophenol
Concen: 83.71 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:266 Resp: 154905

Ion	Ratio	Lower	Upper
266	100		
268	63.9	49.4	74.0
264	64.5	51.8	77.6



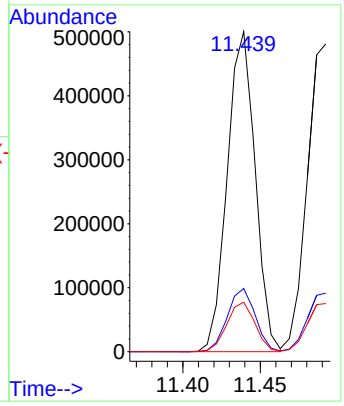


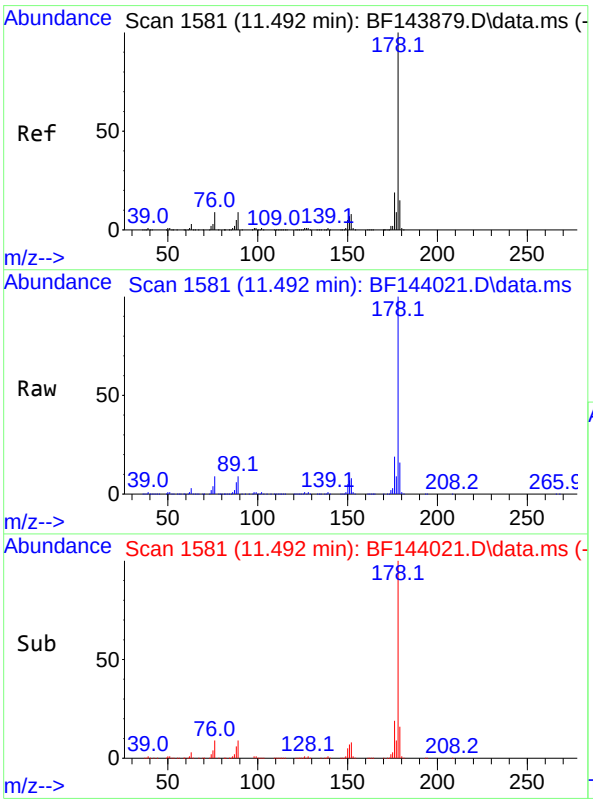
#71
Phenanthrene
Concen: 51.31 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:178 Resp: 626490

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	15.4	12.4	18.6

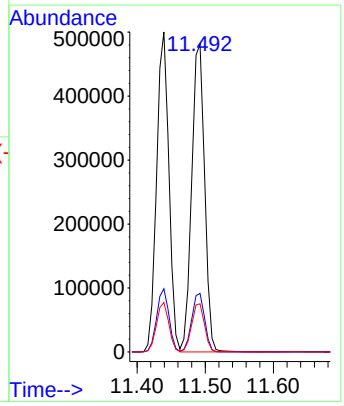


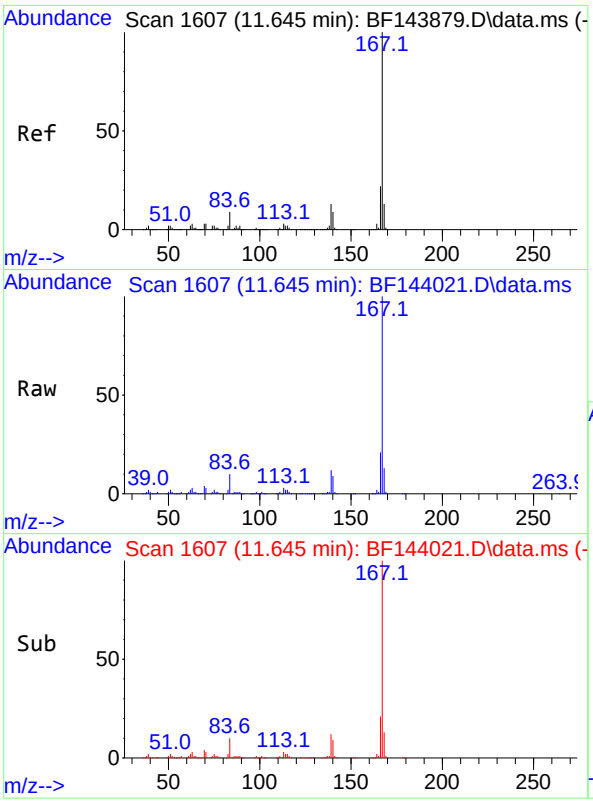


#72
Anthracene
Concen: 51.15 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:178 Resp: 630911

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.9	22.3
179	15.6	12.2	18.2



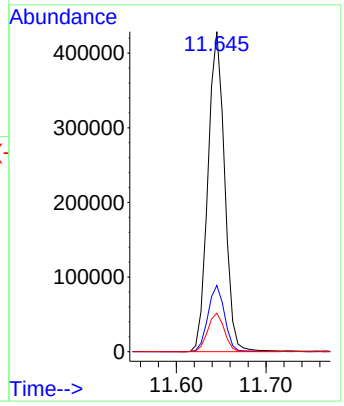


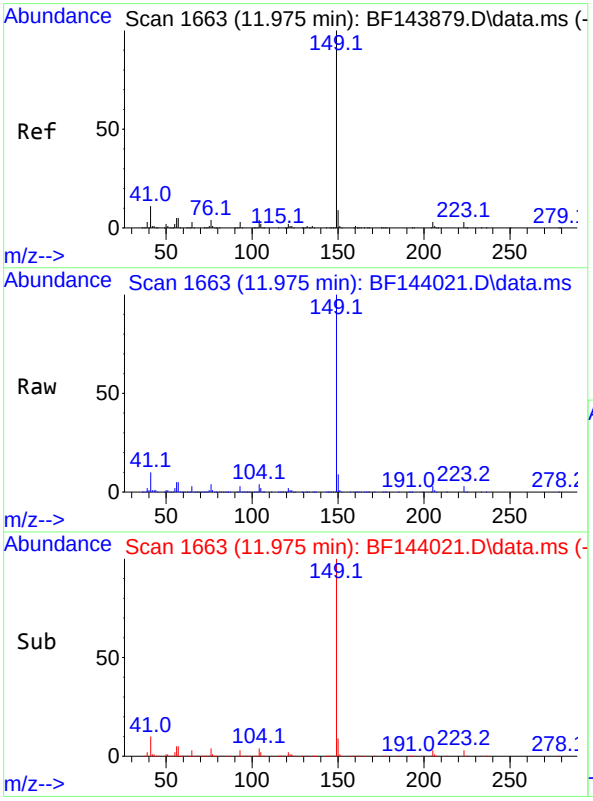
#73
Carbazole
Concen: 50.63 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:167 Resp: 553053

Ion	Ratio	Lower	Upper
167	100		
166	20.7	17.2	25.8
139	12.1	10.1	15.1

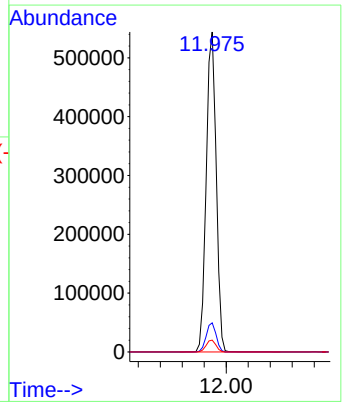


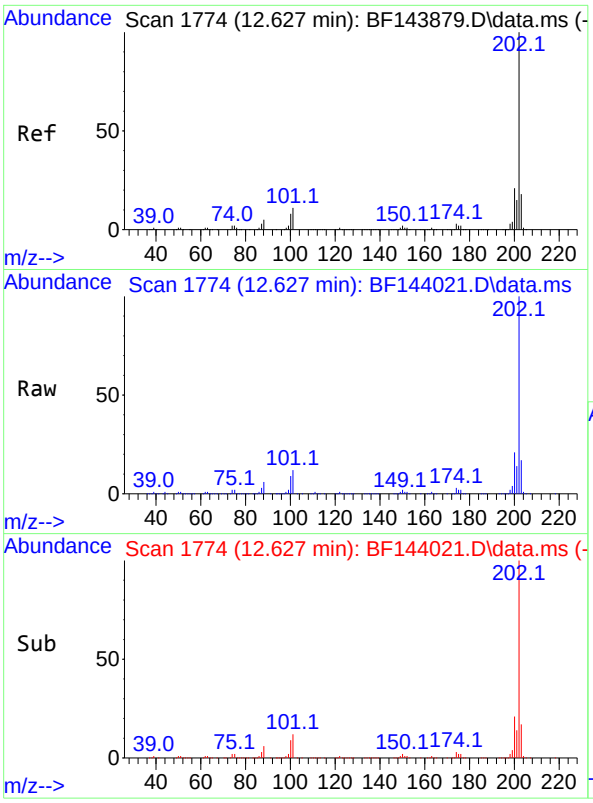


#74
Di-n-butylphthalate
Concen: 53.90 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 682358

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	3.7	3.4	5.2



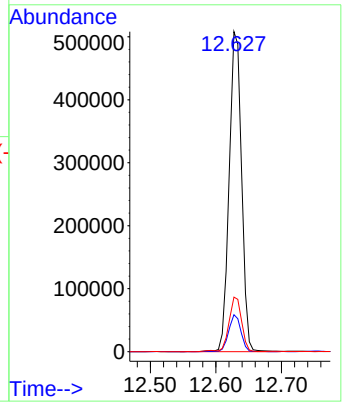


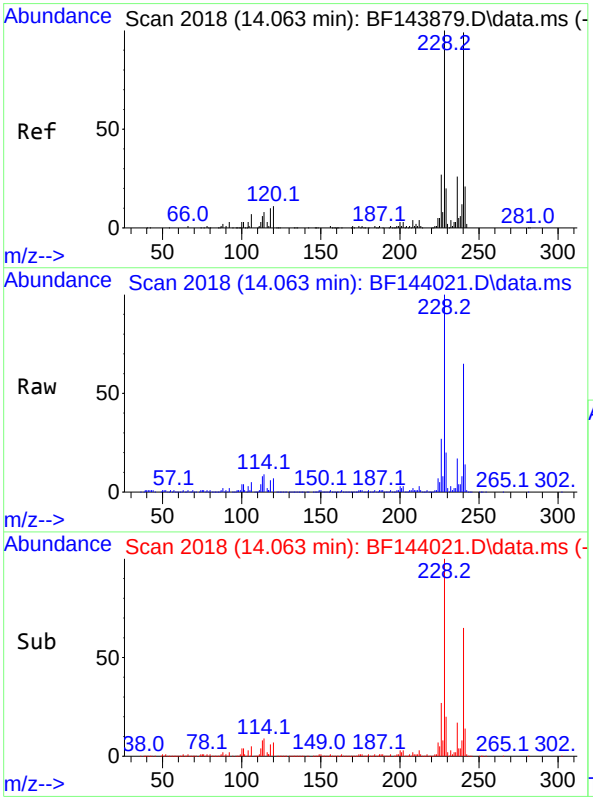
#75
Fluoranthene
Concen: 52.93 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:202 Resp: 667503

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	30.7
203	17.1	0.0	37.8

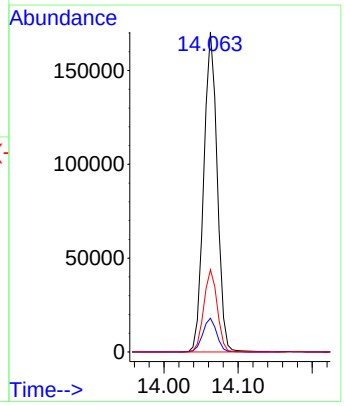


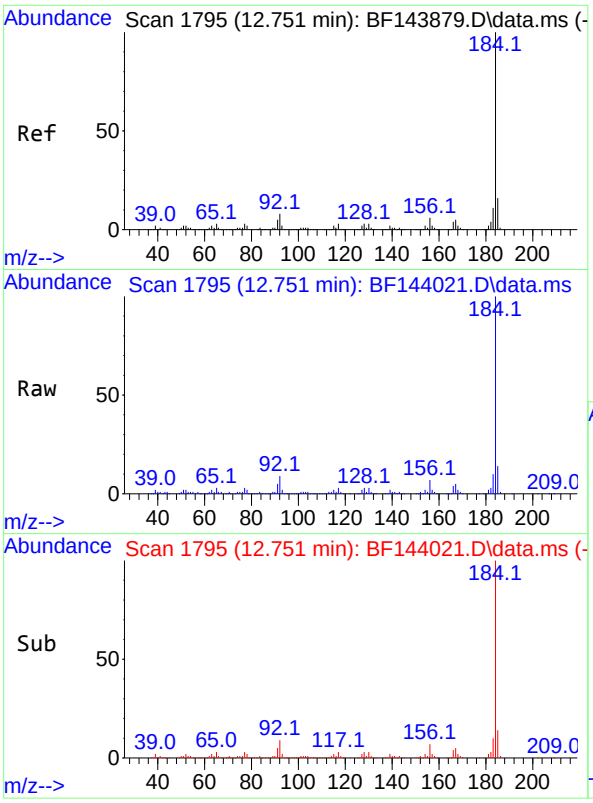


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:240 Resp: 215570

Ion	Ratio	Lower	Upper
240	100		
120	10.5	8.6	13.0
236	25.7	21.1	31.7



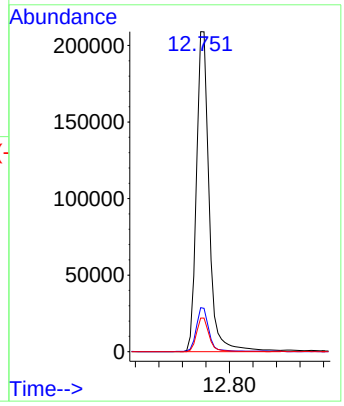


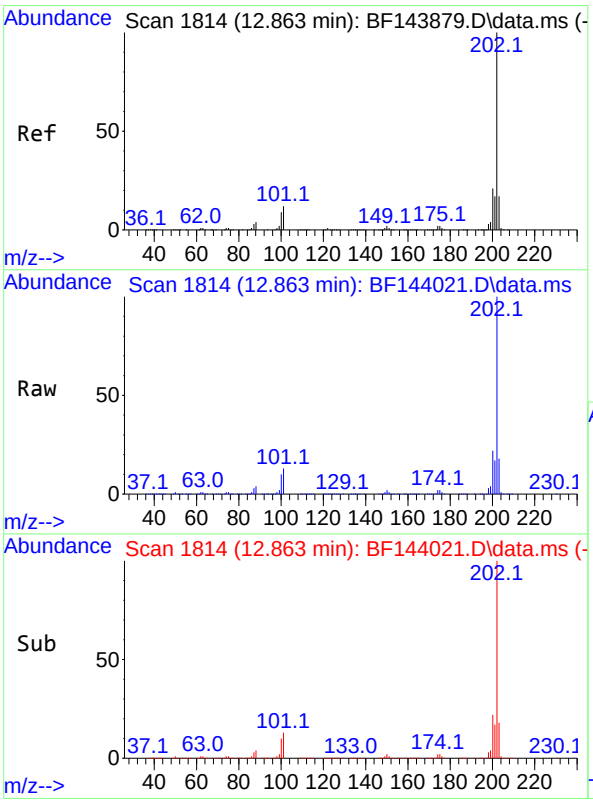
#77
Benzidine
Concen: 41.83 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:184 Resp: 313101

Ion	Ratio	Lower	Upper
184	100		
185	13.7	12.6	18.8
183	10.5	8.8	13.2

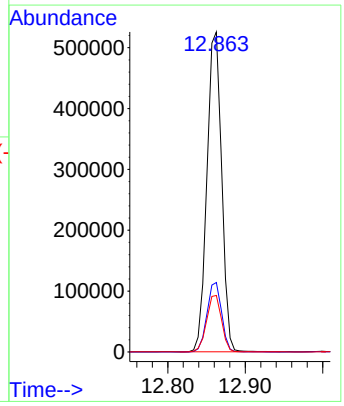


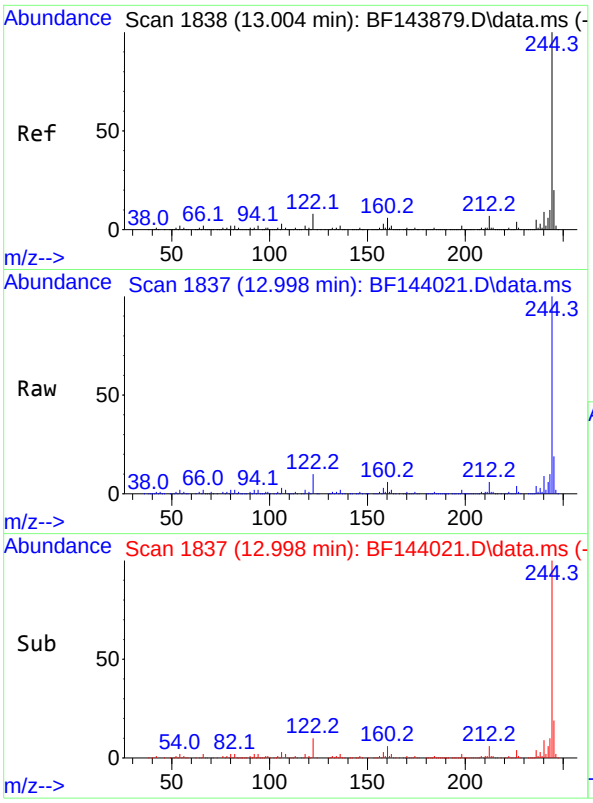


#78
Pyrene
Concen: 38.52 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:202 Resp: 692293

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	17.6	13.8	20.6



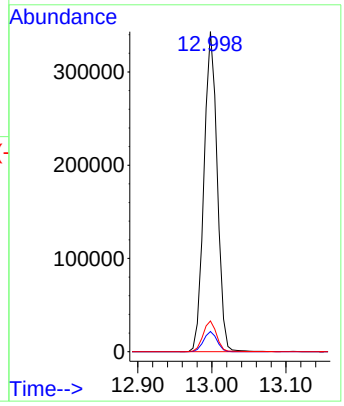


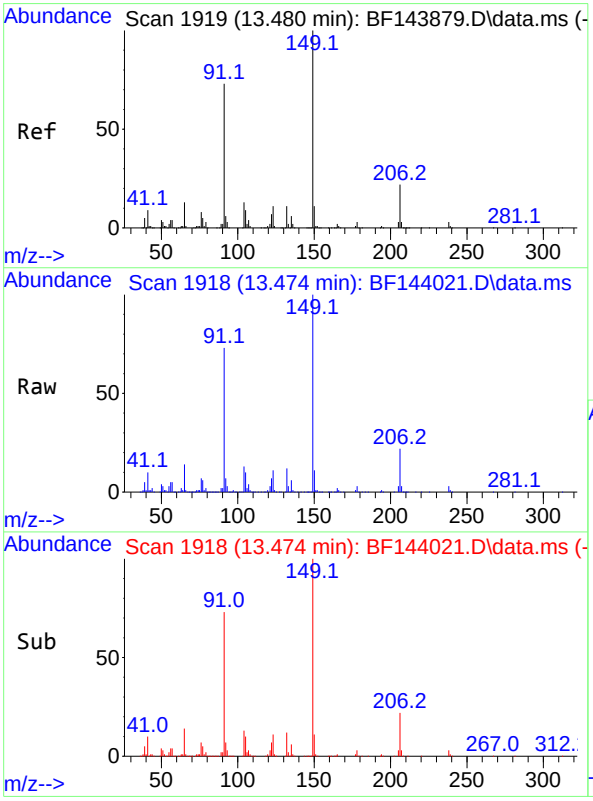
#79
Terphenyl-d14
Concen: 33.92 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:244 Resp: 427888

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.4	8.0
122	9.6	6.4	9.6

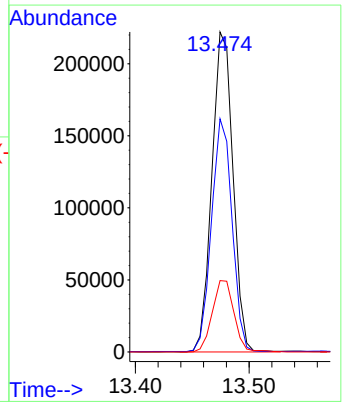


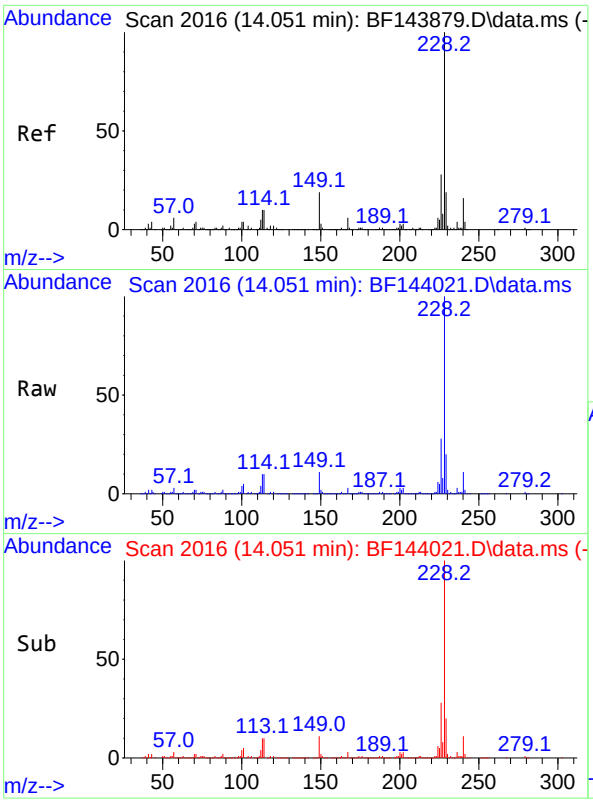


#80
Butylbenzylphthalate
Concen: 49.03 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 286154

Ion	Ratio	Lower	Upper
149	100		
91	72.9	58.2	87.2
206	22.3	17.9	26.9



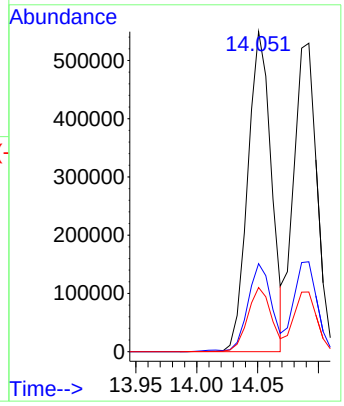


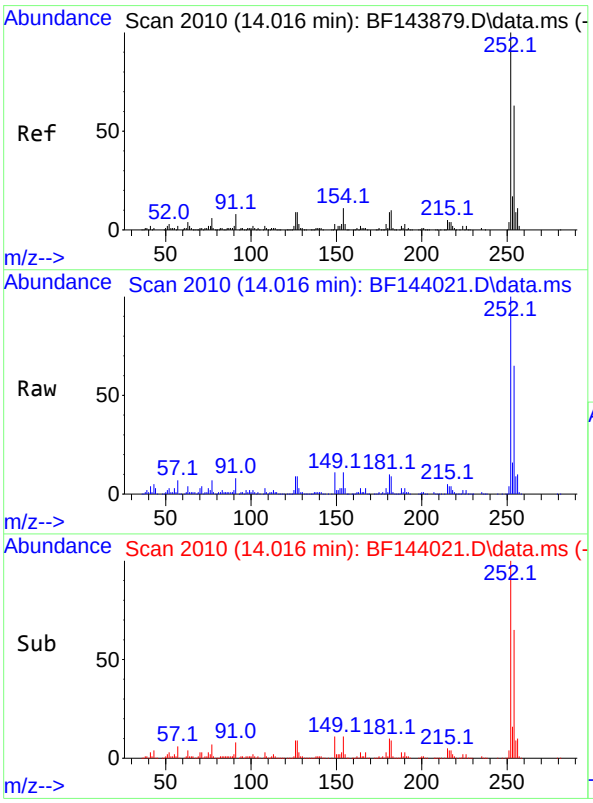
#81
Benzo(a)anthracene
Concen: 52.39 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:228 Resp: 739023

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.2
229	20.1	15.6	23.4

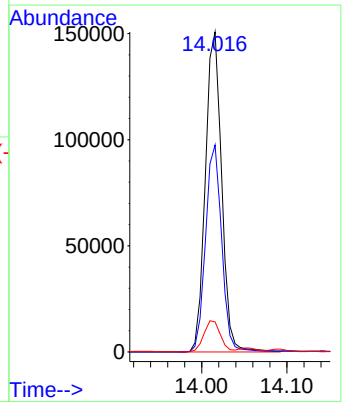


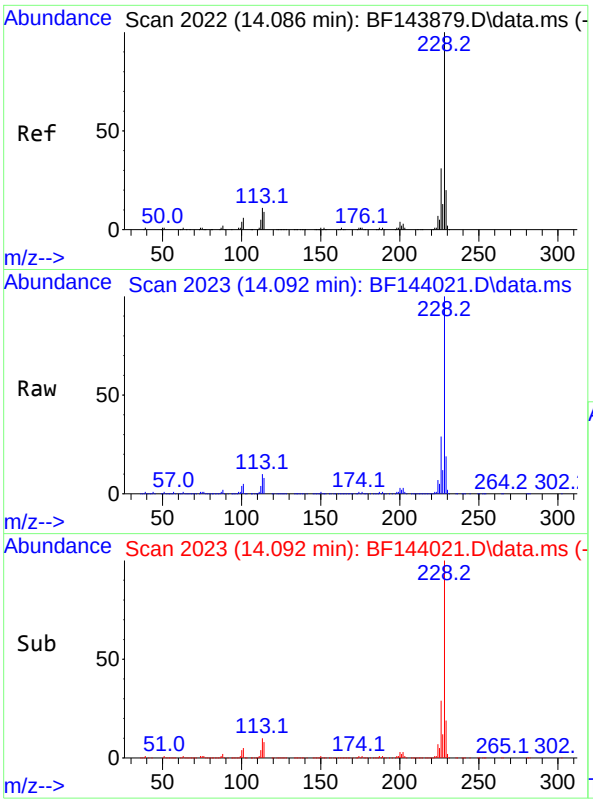


#82
3,3'-Dichlorobenzidine
Concen: 46.70 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:252 Resp: 200747

Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.6	76.0
126	9.4	7.0	10.6



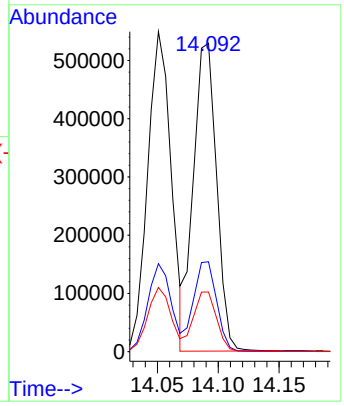


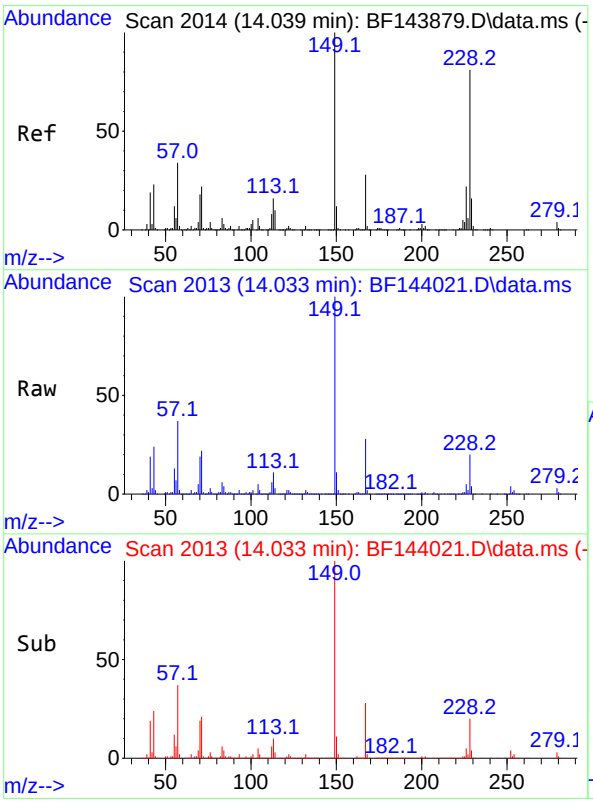
#83
Chrysene
Concen: 53.68 ng
RT: 14.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:228 Resp: 700802

Ion	Ratio	Lower	Upper
228	100		
226	29.2	24.4	36.6
229	19.3	15.9	23.9

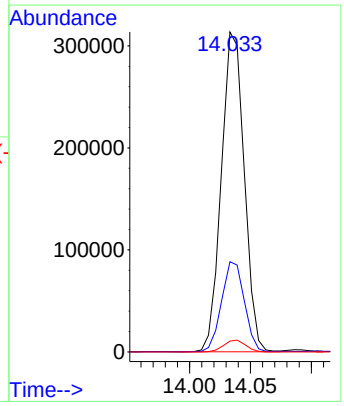


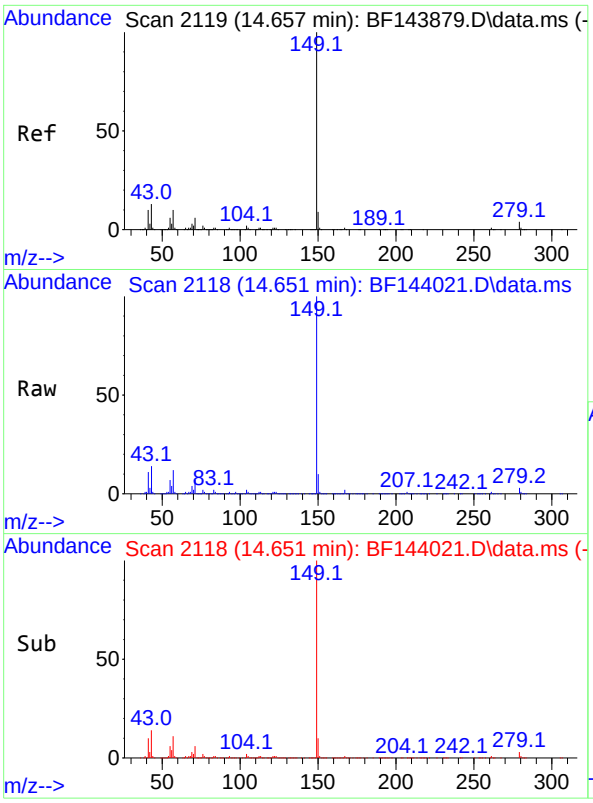


#84
Bis(2-ethylhexyl)phthalate
Concen: 58.29 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:149 Resp: 410102

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.2	33.4
279	3.4	3.1	4.7



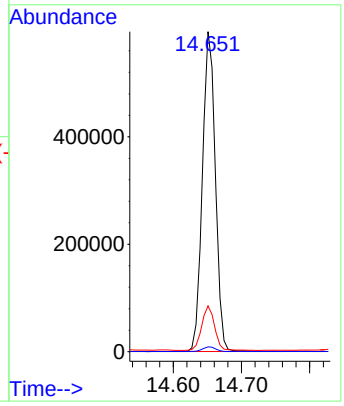


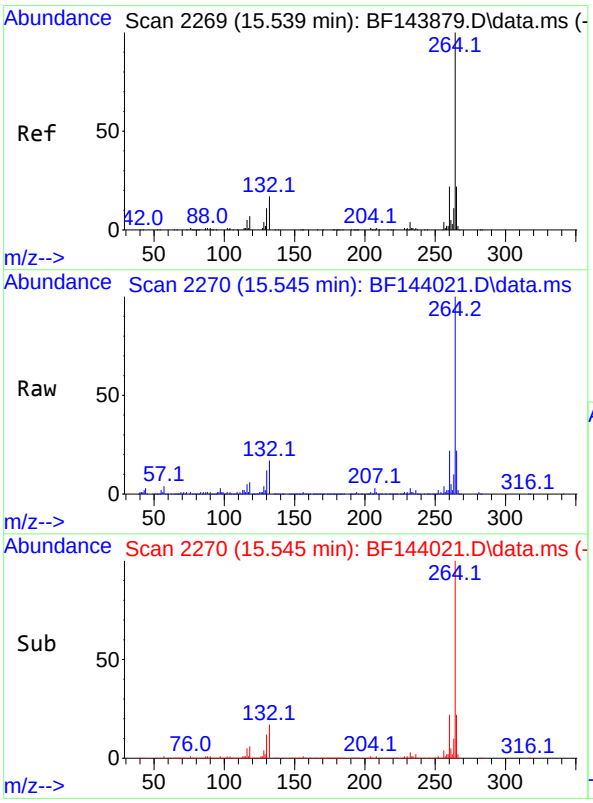
#85
Di-n-octyl phthalate
Concen: 67.99 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:149 Resp: 785742

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.8	11.0	16.4

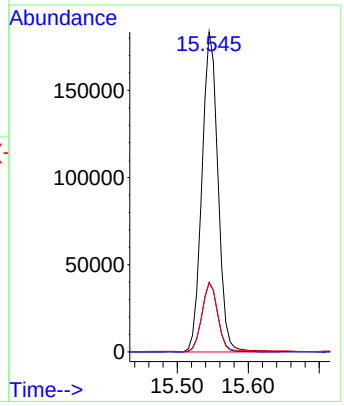


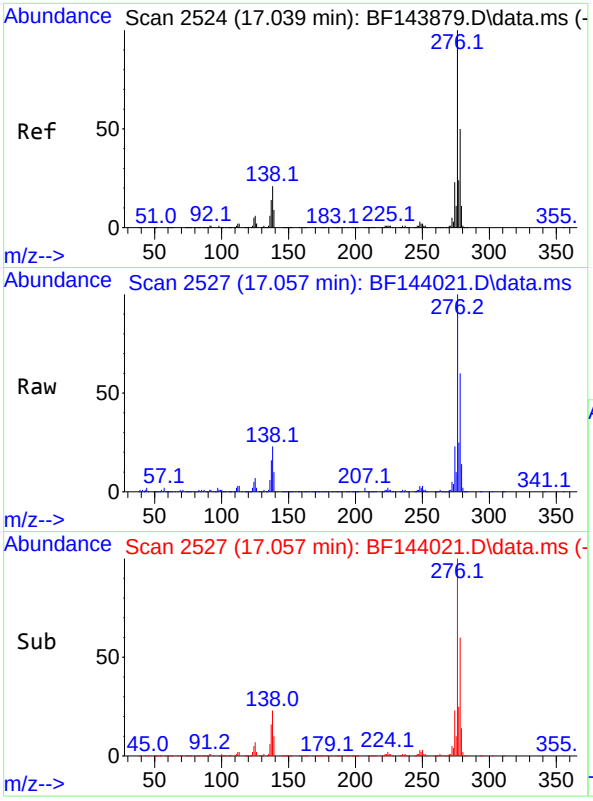


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:264 Resp: 288346

Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.8	26.8
265	21.6	17.5	26.3



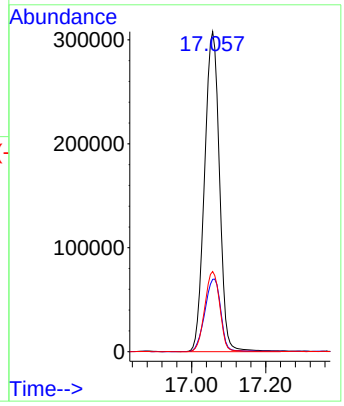


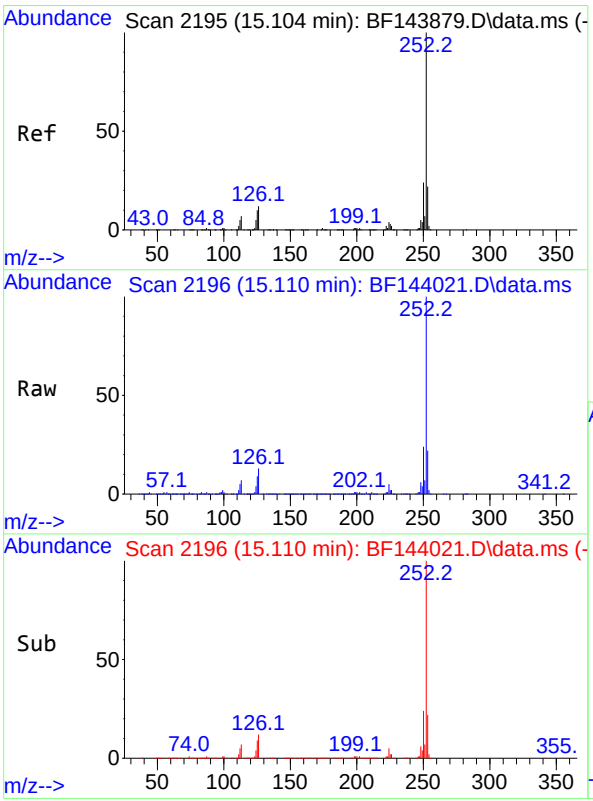
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.75 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:276 Resp: 861279

Ion	Ratio	Lower	Upper
276	100		
138	23.9	18.2	27.2
277	25.2	19.8	29.6

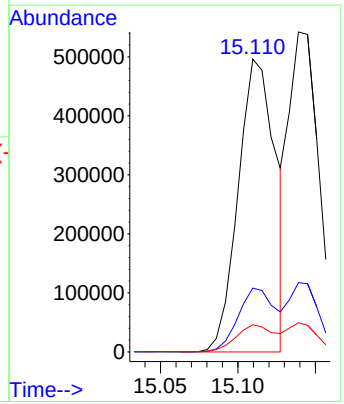


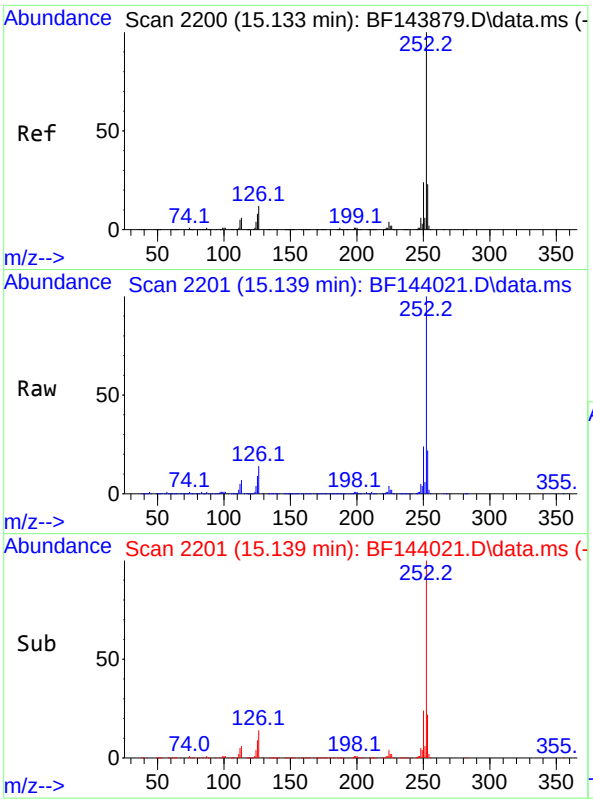


#88
Benzo(b)fluoranthene
Concen: 50.08 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:252 Resp: 829420

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	9.3	7.8	11.6



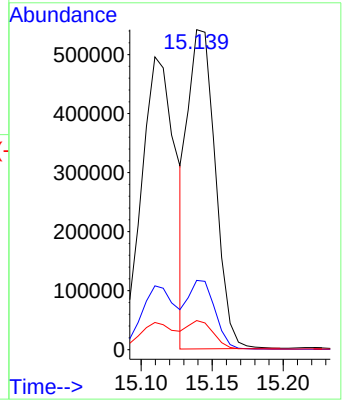


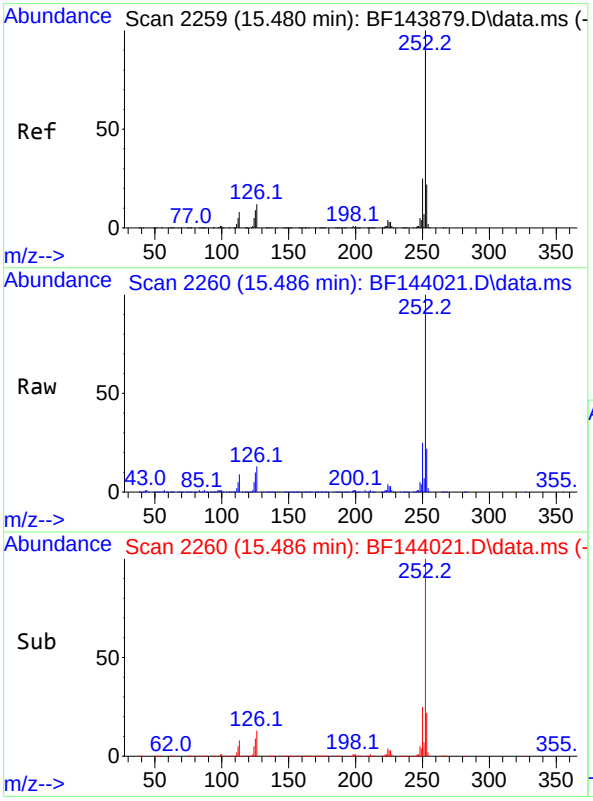
#89
Benzo(k)fluoranthene
Concen: 47.42 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:252 Resp: 726742

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.8
125	9.1	7.4	11.2

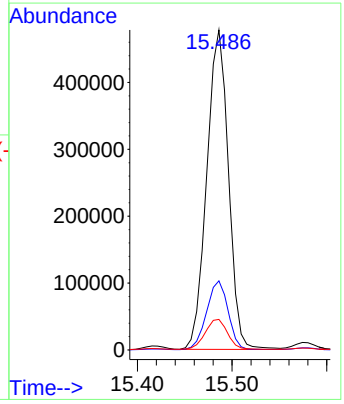


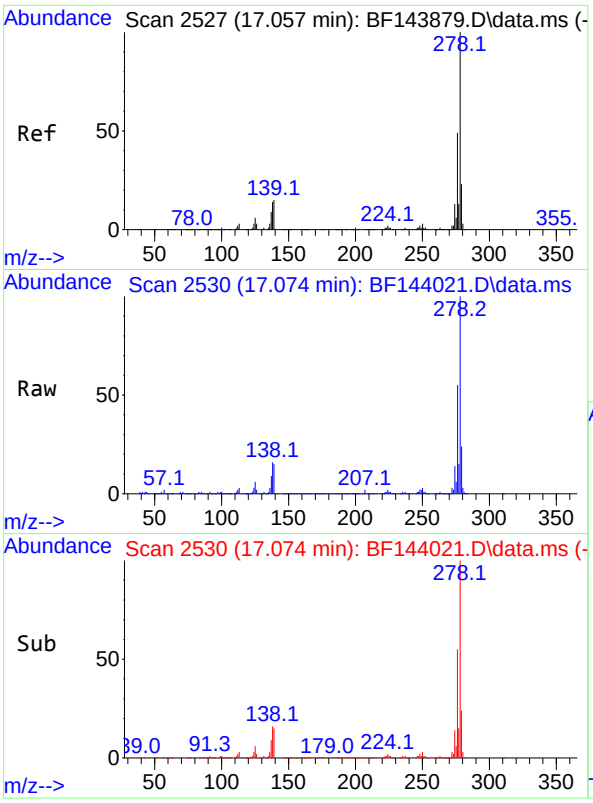


#90
Benzo(a)pyrene
Concen: 52.80 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:252 Resp: 758262

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	9.6	7.0	10.4



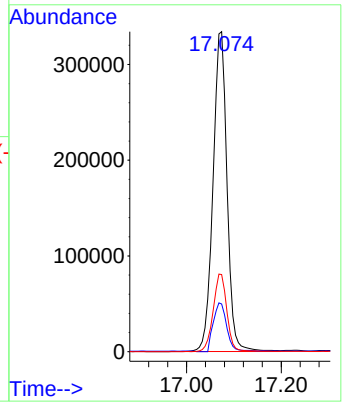


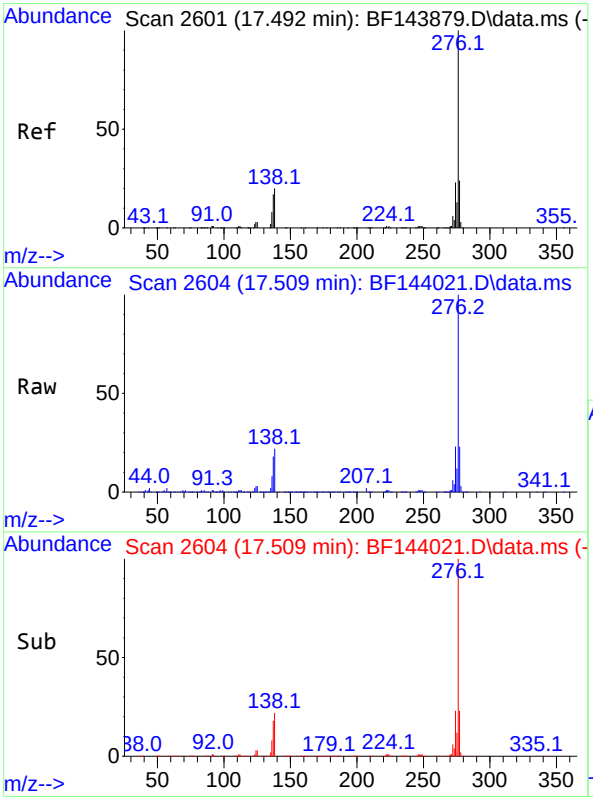
#91
Dibenzo(a,h)anthracene
Concen: 48.35 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Instrument :
BNA_F
ClientSampleId :
41-LBMS

Tgt Ion:278 Resp: 686996

Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.7	17.5
279	24.1	18.4	27.6

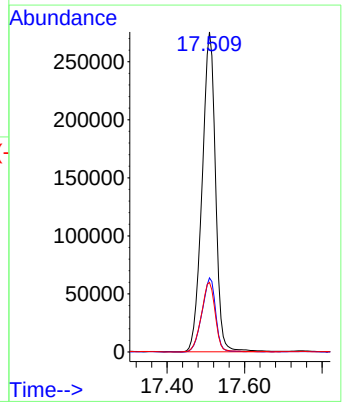




#92
Benzo(g,h,i)perylene
Concen: 46.57 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144021.D
Acq: 21 Oct 2025 19:28

Tgt Ion:276 Resp: 661800

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	21.8	16.1	24.1



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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
TARGETS									
100-52-7	Benzaldehyde	850		1	140	300	ug/Kg	10/21/25 19:58	PB170180
108-95-2	Phenol	1500		1	20.1	150	ug/Kg	10/21/25 19:58	PB170180
111-44-4	bis(2-Chloroethyl)ether	1500		1	22.1	150	ug/Kg	10/21/25 19:58	PB170180
95-57-8	2-Chlorophenol	1500		1	22.2	150	ug/Kg	10/21/25 19:58	PB170180
95-48-7	2-Methylphenol	1400		1	27.2	150	ug/Kg	10/21/25 19:58	PB170180
108-60-1	2,2-oxybis(1-Chloropropane)	1400		1	34.1	150	ug/Kg	10/21/25 19:58	PB170180
98-86-2	Acetophenone	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
65794-96-9	3+4-Methylphenols	1400		1	37.4	300	ug/Kg	10/21/25 19:58	PB170180
621-64-7	n-Nitroso-di-n-propylamine	1400		1	43.1	72.7	ug/Kg	10/21/25 19:58	PB170180
67-72-1	Hexachloroethane	1500		1	16.0	150	ug/Kg	10/21/25 19:58	PB170180
98-95-3	Nitrobenzene	1600		1	16.6	150	ug/Kg	10/21/25 19:58	PB170180
78-59-1	Isophorone	1400		1	29.8	150	ug/Kg	10/21/25 19:58	PB170180
88-75-5	2-Nitrophenol	1700		1	52.9	150	ug/Kg	10/21/25 19:58	PB170180
105-67-9	2,4-Dimethylphenol	1600		1	58.9	150	ug/Kg	10/21/25 19:58	PB170180
111-91-1	bis(2-Chloroethoxy)methane	1500		1	28.0	150	ug/Kg	10/21/25 19:58	PB170180
120-83-2	2,4-Dichlorophenol	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
91-20-3	Naphthalene	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
106-47-8	4-Chloroaniline	580		1	32.2	150	ug/Kg	10/21/25 19:58	PB170180
87-68-3	Hexachlorobutadiene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
105-60-2	Caprolactam	1500		1	47.4	300	ug/Kg	10/21/25 19:58	PB170180
59-50-7	4-Chloro-3-methylphenol	1400		1	26.1	150	ug/Kg	10/21/25 19:58	PB170180
91-57-6	2-Methylnaphthalene	1300		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
77-47-4	Hexachlorocyclopentadiene	3100	E	1	110	300	ug/Kg	10/21/25 19:58	PB170180
88-06-2	2,4,6-Trichlorophenol	1500		1	18.0	150	ug/Kg	10/21/25 19:58	PB170180
95-95-4	2,4,5-Trichlorophenol	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
92-52-4	1,1-Biphenyl	1600		1	19.8	150	ug/Kg	10/21/25 19:58	PB170180
91-58-7	2-Chloronaphthalene	1500		1	20.5	150	ug/Kg	10/21/25 19:58	PB170180
88-74-4	2-Nitroaniline	1600		1	43.7	150	ug/Kg	10/21/25 19:58	PB170180
131-11-3	Dimethylphthalate	1500		1	24.6	150	ug/Kg	10/21/25 19:58	PB170180
208-96-8	Acenaphthylene	1700		1	26.3	150	ug/Kg	10/21/25 19:58	PB170180
606-20-2	2,6-Dinitrotoluene	1700		1	30.5	150	ug/Kg	10/21/25 19:58	PB170180
99-09-2	3-Nitroaniline	1100		1	41.8	150	ug/Kg	10/21/25 19:58	PB170180
83-32-9	Acenaphthene	1500		1	19.4	150	ug/Kg	10/21/25 19:58	PB170180
51-28-5	2,4-Dinitrophenol	2400		1	210	300	ug/Kg	10/21/25 19:58	PB170180
100-02-7	4-Nitrophenol	2500	E	1	97.3	300	ug/Kg	10/21/25 19:58	PB170180
132-64-9	Dibenzofuran	1400		1	20.6	150	ug/Kg	10/21/25 19:58	PB170180
121-14-2	2,4-Dinitrotoluene	1600		1	45.5	150	ug/Kg	10/21/25 19:58	PB170180
84-66-2	Diethylphthalate	1400		1	25.7	150	ug/Kg	10/21/25 19:58	PB170180
7005-72-3	4-Chlorophenyl-phenylether	1400		1	24.3	150	ug/Kg	10/21/25 19:58	PB170180
86-73-7	Fluorene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
100-01-6	4-Nitroaniline	1400		1	58.4	150	ug/Kg	10/21/25 19:58	PB170180
534-52-1	4,6-Dinitro-2-methylphenol	1800		1	93.6	300	ug/Kg	10/21/25 19:58	PB170180

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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	Prep BatchID
86-30-6	n-Nitrosodiphenylamine	1700		1	29.9	150	ug/Kg	10/21/25 19:58	PB170180
101-55-3	4-Bromophenyl-phenylether	1500		1	25.3	150	ug/Kg	10/21/25 19:58	PB170180
118-74-1	Hexachlorobenzene	1400		1	23.0	150	ug/Kg	10/21/25 19:58	PB170180
1912-24-9	Atrazine	1600		1	30.9	150	ug/Kg	10/21/25 19:58	PB170180
87-86-5	Pentachlorophenol	2600	E	1	46.6	300	ug/Kg	10/21/25 19:58	PB170180
85-01-8	Phenanthrene	1500		1	19.0	150	ug/Kg	10/21/25 19:58	PB170180
120-12-7	Anthracene	1500		1	30.3	150	ug/Kg	10/21/25 19:58	PB170180
86-74-8	Carbazole	1500		1	28.4	150	ug/Kg	10/21/25 19:58	PB170180
84-74-2	Di-n-butylphthalate	1600		1	43.5	150	ug/Kg	10/21/25 19:58	PB170180
206-44-0	Fluoranthene	1500		1	27.3	150	ug/Kg	10/21/25 19:58	PB170180
129-00-0	Pyrene	1200		1	32.7	150	ug/Kg	10/21/25 19:58	PB170180
85-68-7	Butylbenzylphthalate	1500		1	64.9	150	ug/Kg	10/21/25 19:58	PB170180
91-94-1	3,3-Dichlorobenzidine	1400		1	33.4	300	ug/Kg	10/21/25 19:58	PB170180
56-55-3	Benzo(a)anthracene	1600		1	20.9	150	ug/Kg	10/21/25 19:58	PB170180
218-01-9	Chrysene	1600		1	18.1	150	ug/Kg	10/21/25 19:58	PB170180
117-81-7	Bis(2-ethylhexyl)phthalate	1700		1	53.8	150	ug/Kg	10/21/25 19:58	PB170180
117-84-0	Di-n-octyl phthalate	2000		1	78.9	300	ug/Kg	10/21/25 19:58	PB170180
205-99-2	Benzo(b)fluoranthene	1500		1	17.3	150	ug/Kg	10/21/25 19:58	PB170180
207-08-9	Benzo(k)fluoranthene	1400		1	20.4	150	ug/Kg	10/21/25 19:58	PB170180
50-32-8	Benzo(a)pyrene	1600		1	26.8	150	ug/Kg	10/21/25 19:58	PB170180
193-39-5	Indeno(1,2,3-cd)pyrene	1500		1	26.5	150	ug/Kg	10/21/25 19:58	PB170180
53-70-3	Dibenzo(a,h)anthracene	1500		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
191-24-2	Benzo(g,h,i)perylene	1400		1	23.4	150	ug/Kg	10/21/25 19:58	PB170180
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		1	23.3	150	ug/Kg	10/21/25 19:58	PB170180
123-91-1	1,4-Dioxane	1300		1	41.1	150	ug/Kg	10/21/25 19:58	PB170180
58-90-2	2,3,4,6-Tetrachlorophenol	1400		1	24.9	150	ug/Kg	10/21/25 19:58	PB170180
SURROGATES									
367-12-4	2-Fluorophenol	92.9			18 - 112	62%	SPK: 150		
13127-88-3	Phenol-d6	91.9			15 - 107	61%	SPK: 150		
4165-60-0	Nitrobenzene-d5	62.7			18 - 107	63%	SPK: 100		
321-60-8	2-Fluorobiphenyl	43.7			20 - 109	44%	SPK: 100		
118-79-6	2,4,6-Tribromophenol	75.1			10 - 116	50%	SPK: 150		
1718-51-0	Terphenyl-d14	34.4			10 - 105	34%	SPK: 100		
INTERNAL STANDARDS		**Area Count**							
3855-82-1	1,4-Dichlorobenzene-d4	106000							
1146-65-2	Naphthalene-d8	388000							
15067-26-2	Acenaphthene-d10	194000							
1517-22-2	Phenanthrene-d10	287000							
1719-03-5	Chrysene-d12	224000							
1520-96-3	Perylene-d12	293000							

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:	10/20/25
Project:	AE1-CTY 3.2.Z-PR-DOCK-Des-ODC - 60693795-1719206	Date Received:	10/20/25
Client Sample ID:	41-LBMSD	SDG No.:	Q3376
Lab Sample ID:	Q3402-07MSD	Matrix:	SOIL
Analytical Method:	8270E Level : LOW	% Solid:	65.9
Sample Wt/Vol:	50.08 g Final Vol: 1000 uL	Test:	SVOC-TCL BNA -20
Prep Method :	SW3510C Prep Date: 10/21/25		

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\BF102125\
Data File : BF144022.D
Acq On : 21 Oct 2025 19:58
Operator : RC/JU
Sample : Q3402-07MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Quant Time: Oct 22 11:11:47 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	105784	20.00	ng		0.00
21) Naphthalene-d8	8.163	136	388491	20.00	ng		0.00
39) Acenaphthene-d10	9.922	164	194134	20.00	ng		0.00
64) Phenanthrene-d10	11.410	188	286809	20.00	ng		0.00
76) Chrysene-d12	14.063	240	223920	20.00	ng		0.00
86) Perylene-d12	15.545	264	293398	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	618906	92.91	ng		0.00
7) Phenol-d6	6.510	99	729330	91.85	ng		0.00
23) Nitrobenzene-d5	7.445	82	400768	62.67	ng		-0.01
42) 2,4,6-Tribromophenol	10.716	330	145268	75.13	ng		0.00
45) 2-Fluorobiphenyl	9.239	172	534920	43.72	ng		-0.01
79) Terphenyl-d14	12.998	244	450251	34.37	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.693	88	134906	43.76	ng		96
3) Pyridine	3.452	79	377009	42.01	ng		98
4) n-Nitrosodimethylamine	3.405	42	225971	47.87	ng		94
6) Aniline	6.546	93	412091	34.63	ng		97
8) 2-Chlorophenol	6.669	128	314010	48.22	ng		97
9) Benzaldehyde	6.434	77	171182	27.95	ng		99
10) Phenol	6.522	94	470825	49.60	ng		97
11) bis(2-Chloroethyl)ether	6.616	93	353592	48.22	ng		98
12) 1,3-Dichlorobenzene	6.822	146	371669	47.68	ng		99
13) 1,4-Dichlorobenzene	6.898	146	375293	48.81	ng		99
14) 1,2-Dichlorobenzene	7.051	146	363754	49.39	ng		98
15) Benzyl Alcohol	7.022	79	292141	49.11	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.157	45	792872	47.50	ng		99
17) 2-Methylphenol	7.134	107	254720	47.33	ng		99
18) Hexachloroethane	7.393	117	122779	47.88	ng		97
19) n-Nitroso-di-n-propyla...	7.293	70	242161	44.56	ng		97
20) 3+4-Methylphenols	7.287	107	291162	46.68	ng	#	69
22) Acetophenone	7.293	105	442786	53.90	ng		99
24) Nitrobenzene	7.463	77	364151	51.28	ng		99
25) Isophorone	7.704	82	643056	47.69	ng		98
26) 2-Nitrophenol	7.781	139	175307	57.58	ng		97
27) 2,4-Dimethylphenol	7.816	122	294576	53.79	ng		98
28) bis(2-Chloroethoxy)met...	7.910	93	418504	49.14	ng		99
29) 2,4-Dichlorophenol	8.022	162	265392	46.52	ng		99
30) 1,2,4-Trichlorobenzene	8.104	180	285429	50.88	ng		98
31) Naphthalene	8.187	128	845626	47.85	ng		100
32) Benzoic acid	7.928	122	203422	53.67	ng		98
33) 4-Chloroaniline	8.234	127	126445	19.08	ng		98
34) Hexachlorobutadiene	8.304	225	186031	47.72	ng		98
35) Caprolactam	8.604	113	89234	49.20	ng		96
36) 4-Chloro-3-methylphenol	8.716	107	248388	45.33	ng		99
37) 2-Methylnaphthalene	8.881	142	493824	41.95	ng		97
38) 1-Methylnaphthalene	8.975	142	505391	44.26	ng		97
40) 1,2,4,5-Tetrachloroben...	9.045	216	296244	55.21	ng		99
41) Hexachlorocyclopentadiene	9.034	237	227968	102.41	ng		100
43) 2,4,6-Trichlorophenol	9.157	196	191391	48.82	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144022.D
Acq On : 21 Oct 2025 19:58
Operator : RC/JU
Sample : Q3402-07MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Quant Time: Oct 22 11:11:47 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

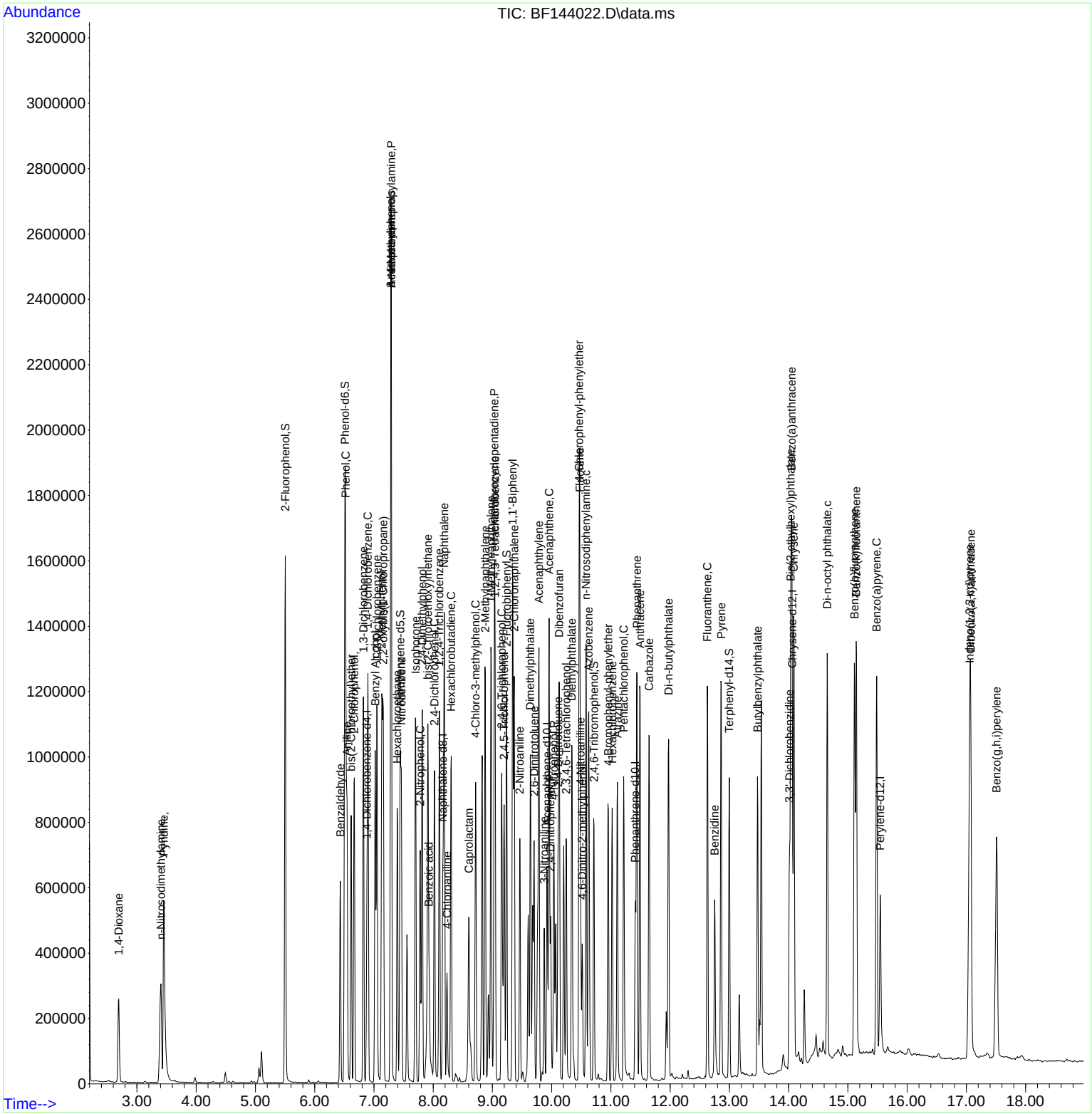
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	199399	48.13	ng	99
46) 1,1'-Biphenyl	9.339	154	699744	54.44	ng	98
47) 2-Chloronaphthalene	9.369	162	529818	49.44	ng	97
48) 2-Nitroaniline	9.463	65	179609	53.01	ng	98
49) Acenaphthylene	9.787	152	823759	54.68	ng	100
50) Dimethylphthalate	9.639	163	611995	49.64	ng	99
51) 2,6-Dinitrotoluene	9.704	165	130428	57.05	ng	95
52) Acenaphthene	9.957	154	486738	49.30	ng	100
53) 3-Nitroaniline	9.875	138	97528	34.84	ng	99
54) 2,4-Dinitrophenol	9.981	184	109640	77.95	ng	94
55) Dibenzofuran	10.128	168	657401	47.17	ng	99
56) 4-Nitrophenol	10.039	139	175713	82.91	ng	98
57) 2,4-Dinitrotoluene	10.110	165	168424	54.15	ng	97
58) Fluorene	10.475	166	495457	47.12	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.245	232	133635	45.57	ng	99
60) Diethylphthalate	10.339	149	547114	47.77	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	254519	45.78	ng	97
62) 4-Nitroaniline	10.486	138	122960	45.68	ng	93
63) Azobenzene	10.622	77	615682	51.44	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	85035	59.00	ng	96
66) n-Nitrosodiphenylamine	10.581	169	495231	54.99	ng	100
67) 4-Bromophenyl-phenylether	10.957	248	157374	49.65	ng	98
68) Hexachlorobenzene	11.022	284	170411	46.44	ng	99
69) Atrazine	11.110	200	148200	54.30	ng	99
70) Pentachlorophenol	11.216	266	183498	87.07	ng	97
71) Phenanthrene	11.439	178	685938	49.33	ng	99
72) Anthracene	11.492	178	706739	50.31	ng	100
73) Carbazole	11.645	167	615869	49.50	ng	99
74) Di-n-butylphthalate	11.975	149	753521	52.26	ng	99
75) Fluoranthene	12.627	202	705704	49.14	ng	99
77) Benzidine	12.751	184	341647	43.94	ng	97
78) Pyrene	12.863	202	738321	39.55	ng	100
80) Butylbenzylphthalate	13.475	149	297568	49.08	ng	100
81) Benzo(a)anthracene	14.051	228	751378	51.28	ng	100
82) 3,3'-Dichlorobenzidine	14.016	252	207789	46.53	ng	99
83) Chrysene	14.086	228	720720	53.14	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	417651	57.15	ng	98
85) Di-n-octyl phthalate	14.651	149	803920	66.97	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	866474	48.20	ng	98
88) Benzo(b)fluoranthene	15.110	252	827497	49.10	ng	99
89) Benzo(k)fluoranthene	15.139	252	725032	46.49	ng	98
90) Benzo(a)pyrene	15.486	252	766944	52.48	ng	99
91) Dibenzo(a,h)anthracene	17.074	278	705803	48.81	ng	98
92) Benzo(g,h,i)perylene	17.510	276	666626	46.10	ng	97

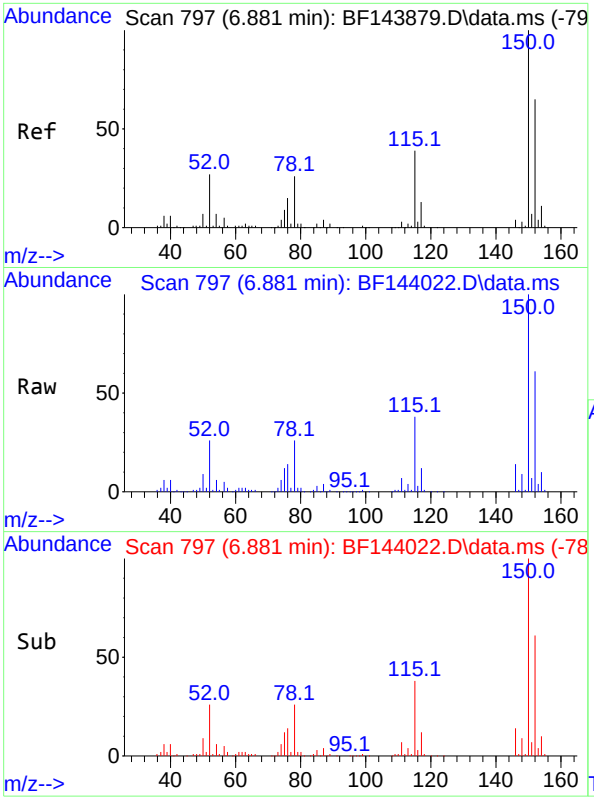
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144022.D
Acq On : 21 Oct 2025 19:58
Operator : RC/JU
Sample : Q3402-07MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Quant Time: Oct 22 11:11:47 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



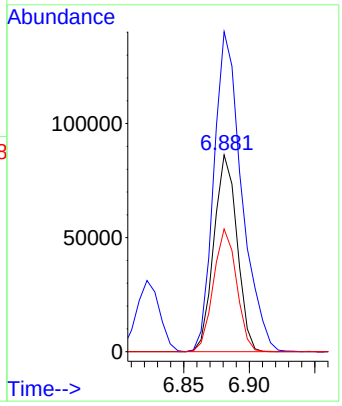


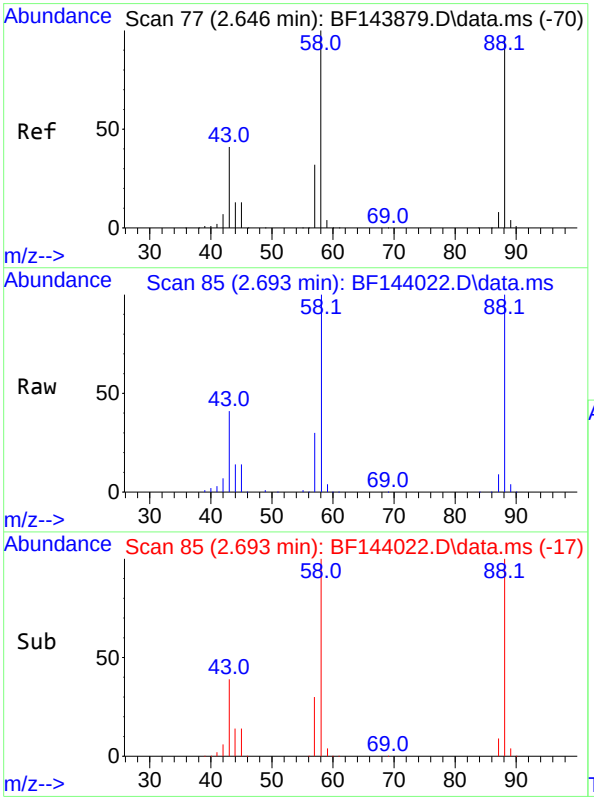
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 7
Delta R.T. -0.005 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:152 Resp: 105784

Ion	Ratio	Lower	Upper
152	100		
150	162.6	124.4	186.6
115	62.4	48.1	72.1

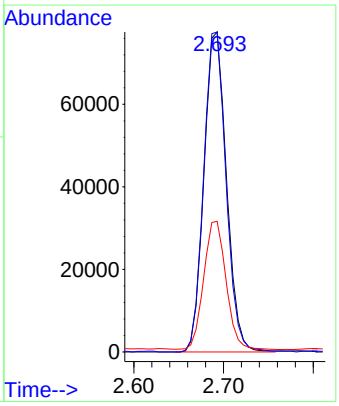


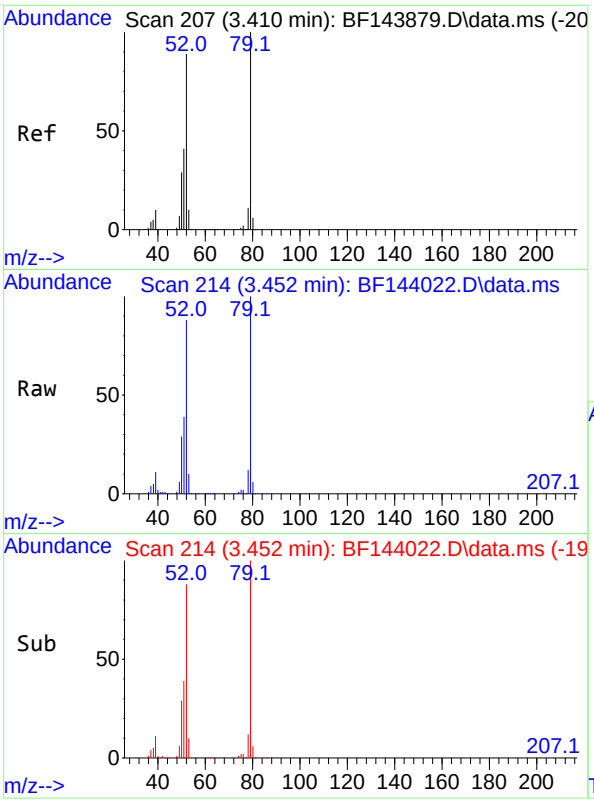


#2
1,4-Dioxane
Concen: 43.76 ng
RT: 2.693 min Scan# 85
Delta R.T. 0.047 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 88 Resp: 134906

Ion	Ratio	Lower	Upper
88	100		
58	99.6	83.0	124.6
43	39.8	33.9	50.9



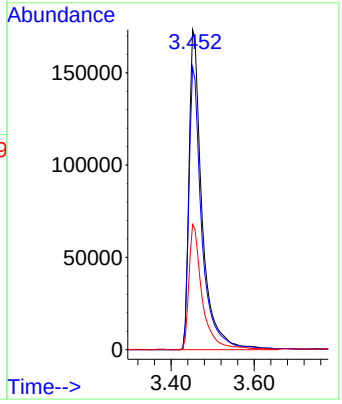


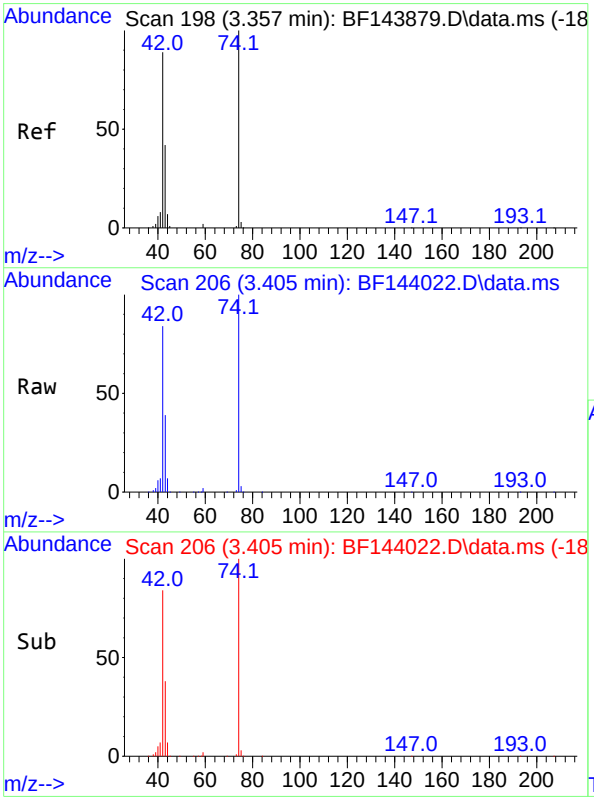
#3
Pyridine
Concen: 42.01 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.036 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 79 Resp: 377009

Ion	Ratio	Lower	Upper
79	100		
52	88.3	71.5	107.3
51	39.1	32.9	49.3

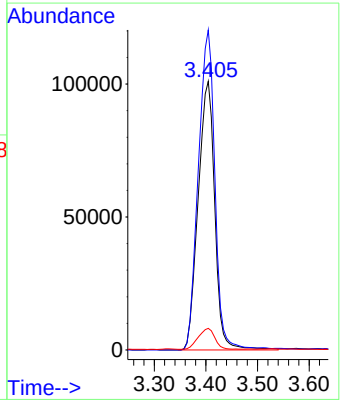


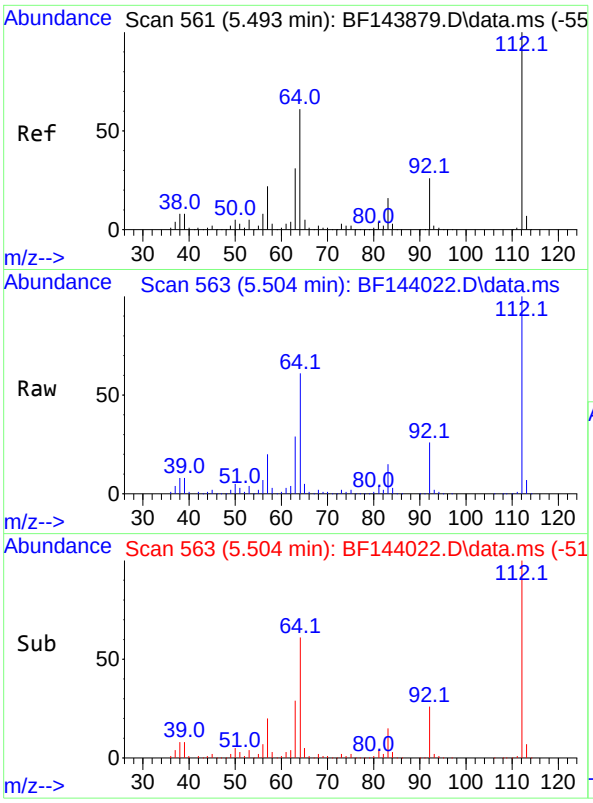


#4
n-Nitrosodimethylamine
Concen: 47.87 ng
RT: 3.405 min Scan# 206
Delta R.T. 0.018 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 42 Resp: 225971

Ion	Ratio	Lower	Upper
42	100		
74	119.1	90.0	135.0
44	8.1	6.2	9.2



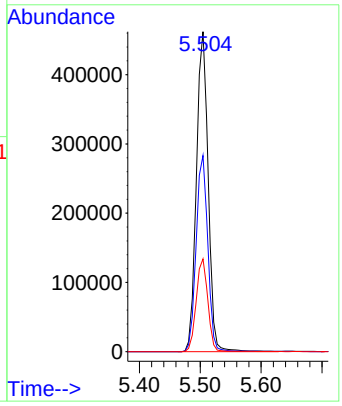


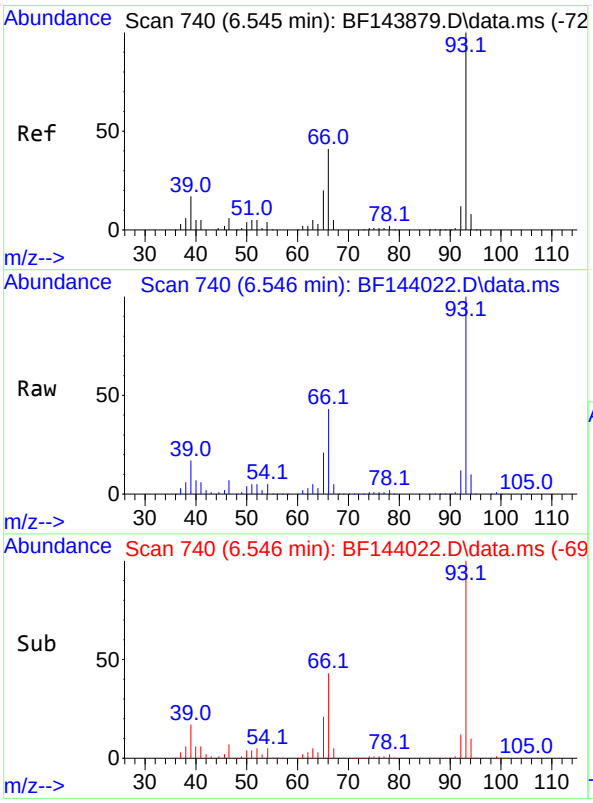
#5
2-Fluorophenol
Concen: 92.91 ng
RT: 5.504 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:112 Resp: 618906

Ion	Ratio	Lower	Upper
112	100		
64	61.3	49.1	73.7
63	29.0	24.5	36.7

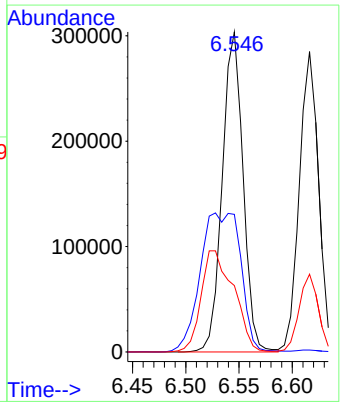


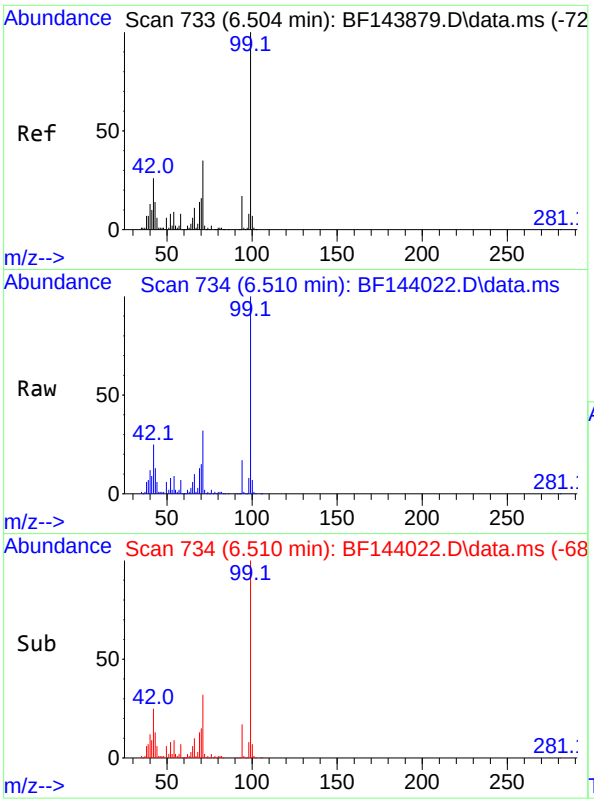


#6
Aniline
Concen: 34.63 ng
RT: 6.546 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 93 Resp: 412091

Ion	Ratio	Lower	Upper
93	100		
66	43.0	33.0	49.6
65	20.8	15.8	23.8



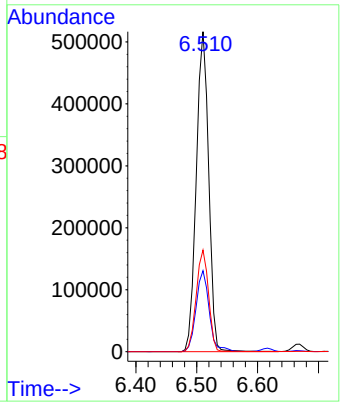


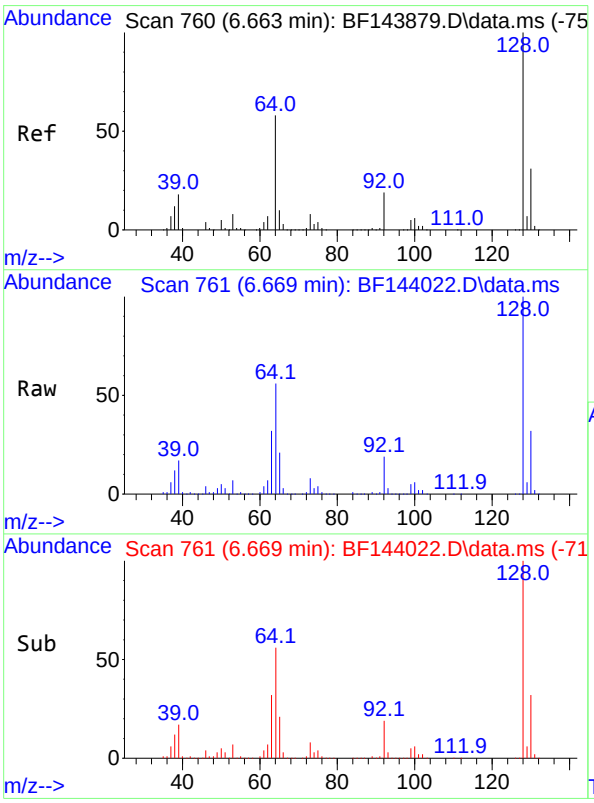
#7
Phenol-d6
Concen: 91.85 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 99 Resp: 729330

Ion	Ratio	Lower	Upper
99	100		
42	25.3	21.0	31.4
71	31.7	27.8	41.8

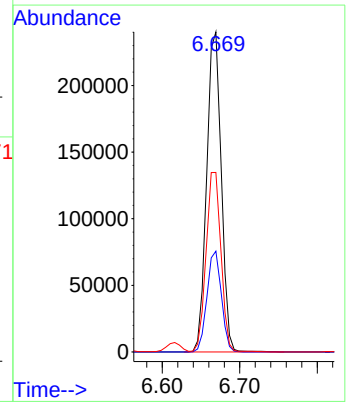


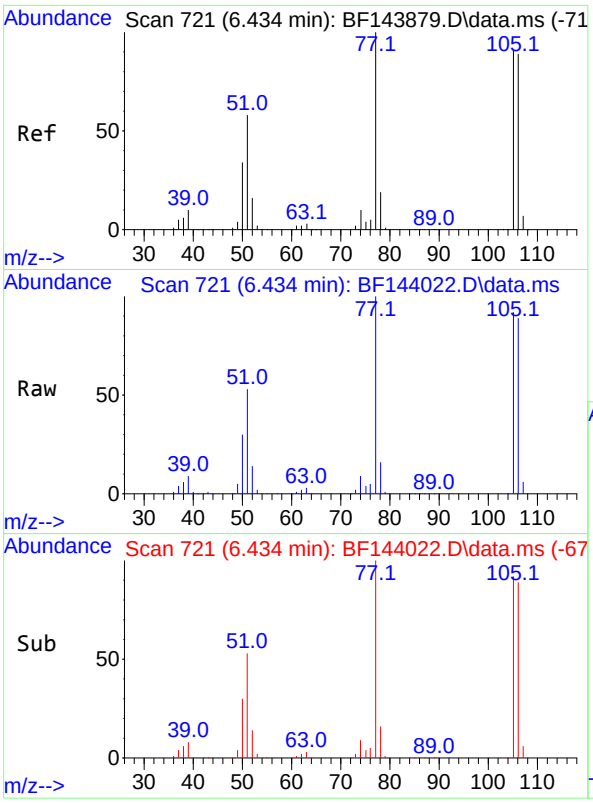


#8
2-Chlorophenol
Concen: 48.22 ng
RT: 6.669 min Scan# 761
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:128 Resp: 314010

Ion	Ratio	Lower	Upper
128	100		
130	31.5	10.7	50.7
64	56.1	39.0	79.0



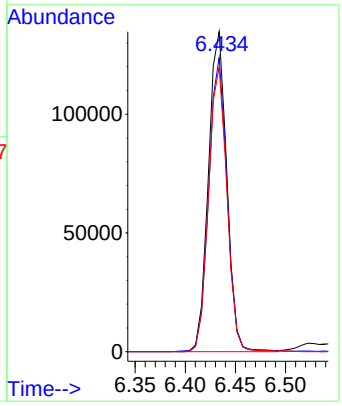


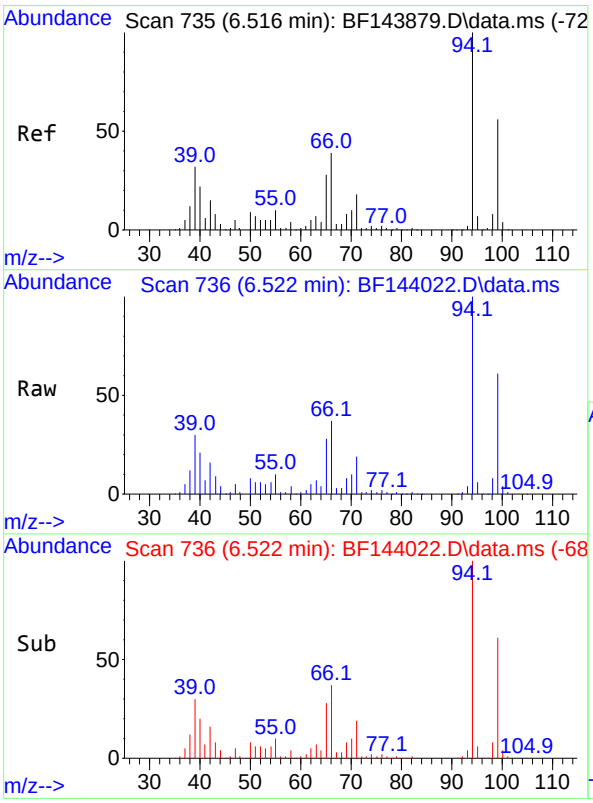
#9
Benzaldehyde
Concen: 27.95 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 77 Resp: 171182

Ion	Ratio	Lower	Upper
77	100		
105	91.9	70.9	110.9
106	88.9	68.9	108.9

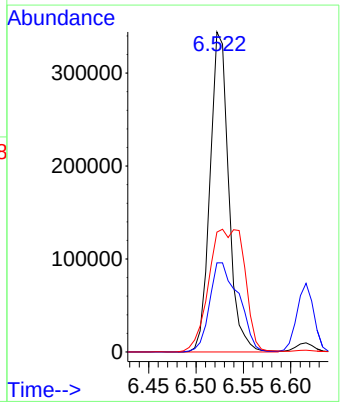


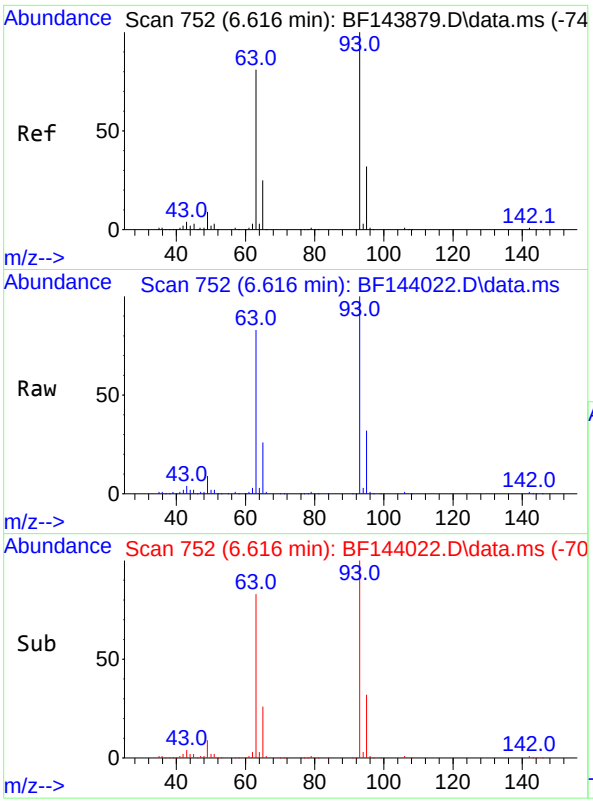


#10
Phenol
Concen: 49.60 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 94 Resp: 470825

Ion	Ratio	Lower	Upper
94	100		
65	27.9	8.5	48.5
66	37.5	19.9	59.9



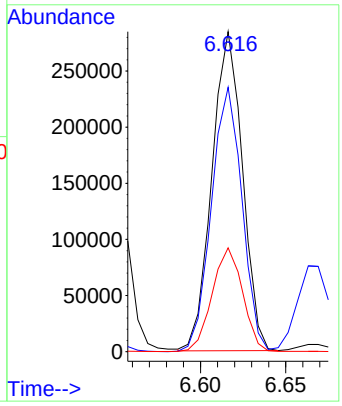


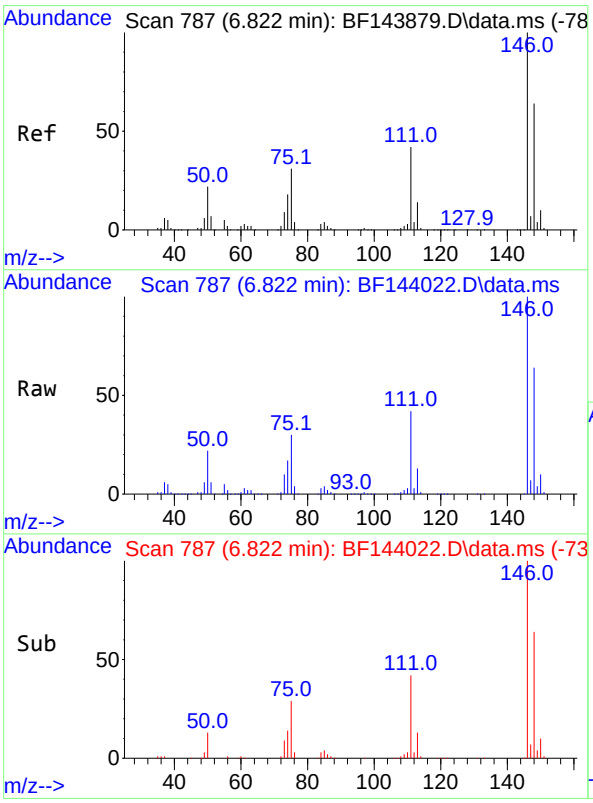
#11
bis(2-Chloroethyl)ether
Concen: 48.22 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 93 Resp: 353592

Ion	Ratio	Lower	Upper
93	100		
63	82.6	60.9	100.9
95	32.4	11.5	51.5

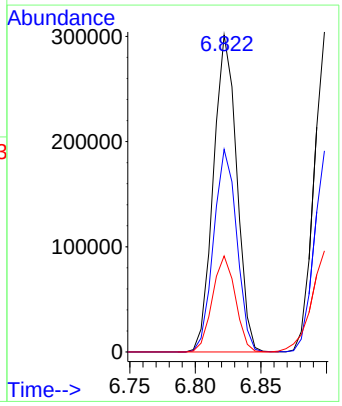


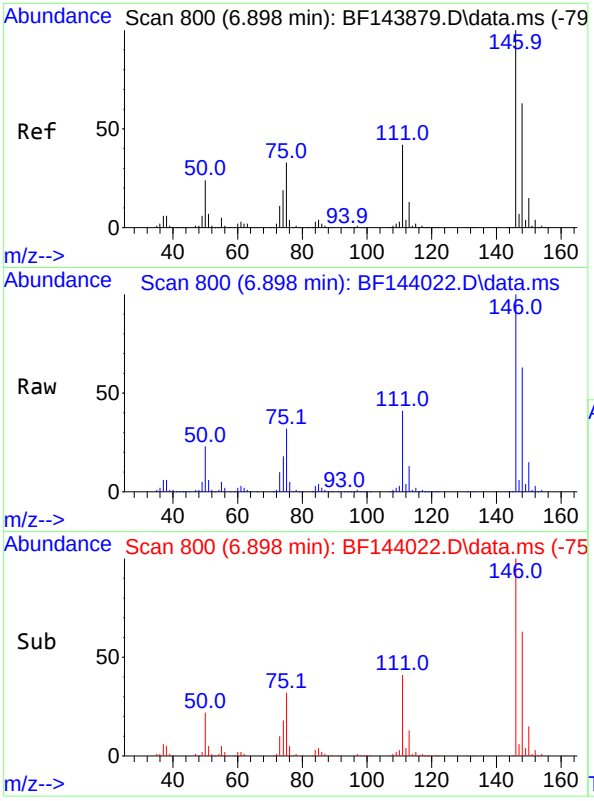


#12
1,3-Dichlorobenzene
Concen: 47.68 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:146 Resp: 371669

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.4
75	30.3	24.9	37.3



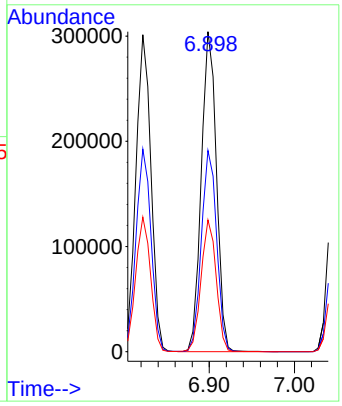


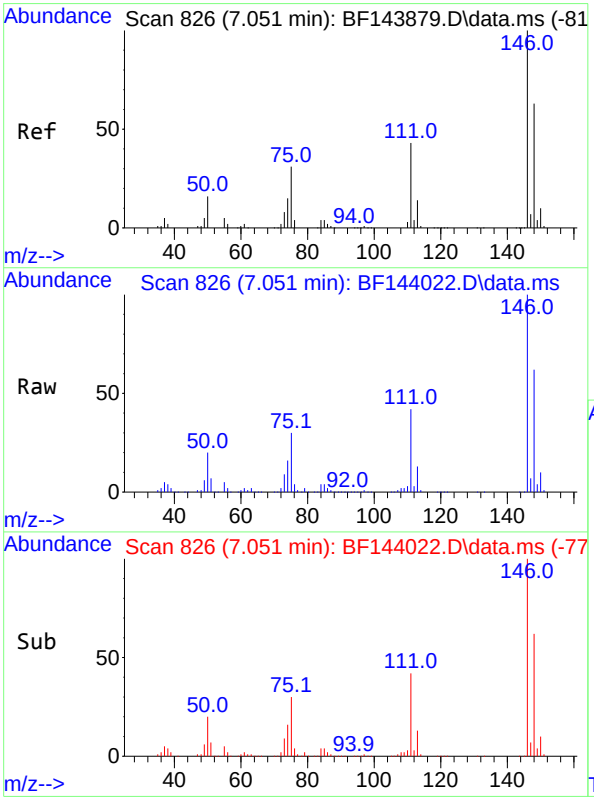
#13
1,4-Dichlorobenzene
Concen: 48.81 ng
RT: 6.898 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:146 Resp: 375293

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.5	75.7
111	41.2	33.4	50.0

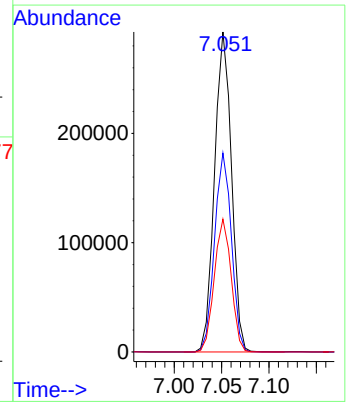


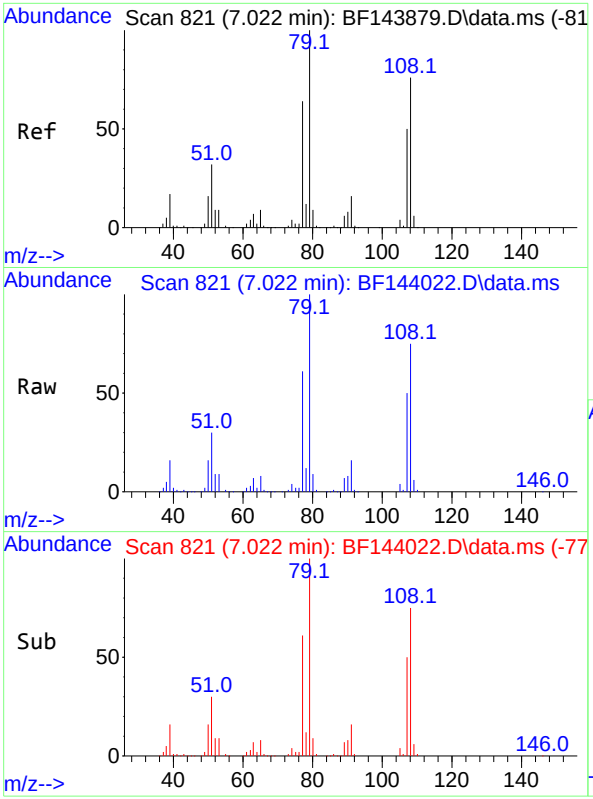


#14
1,2-Dichlorobenzene
Concen: 49.39 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:146 Resp: 363754

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.6	75.8
111	41.5	34.6	51.8



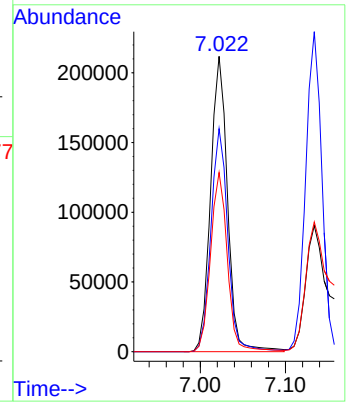


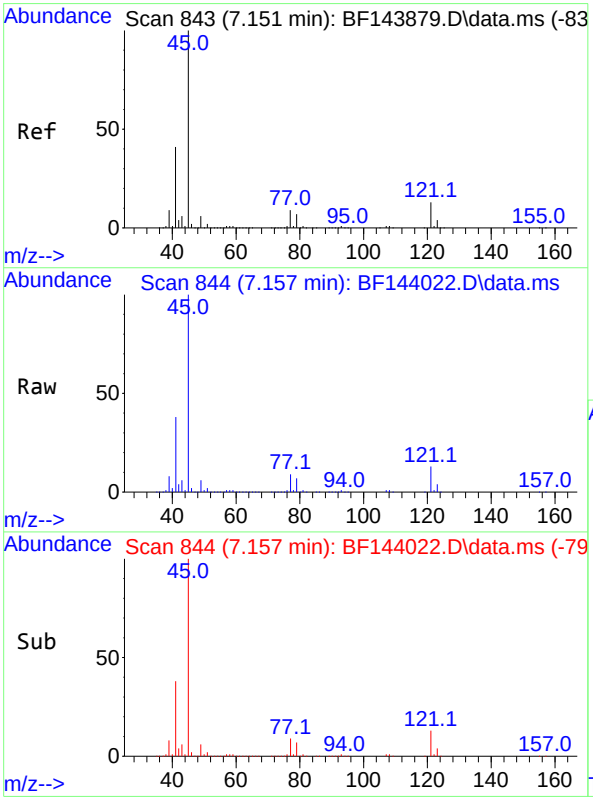
#15
Benzyl Alcohol
Concen: 49.11 ng
RT: 7.022 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 79 Resp: 292141

Ion	Ratio	Lower	Upper
79	100		
108	75.5	60.8	91.2
77	60.7	51.0	76.6

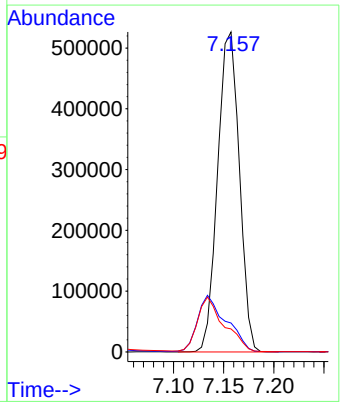


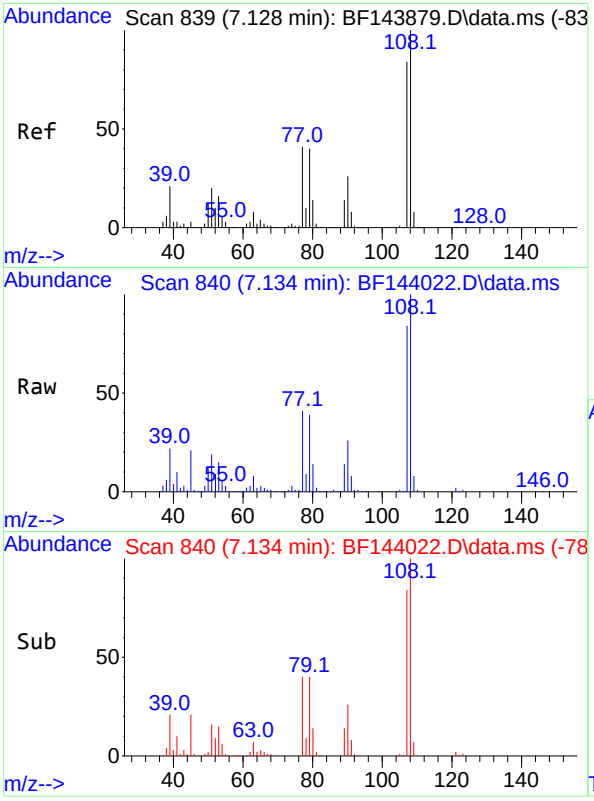


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.50 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 45 Resp: 792872

Ion	Ratio	Lower	Upper
45	100		
77	9.1	0.0	29.0
79	7.2	0.0	26.8



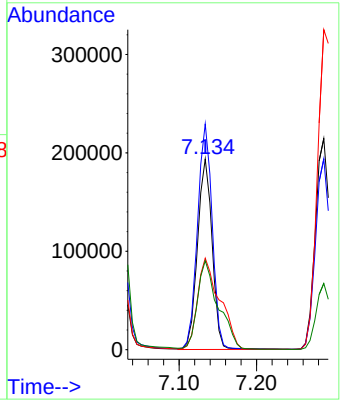


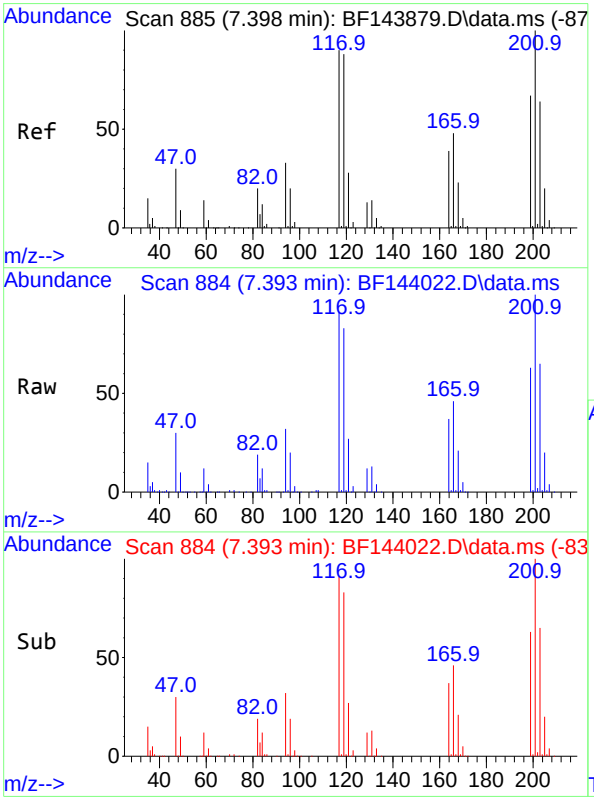
#17
2-Methylphenol
Concen: 47.33 ng
RT: 7.134 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:107 Resp: 254720

Ion	Ratio	Lower	Upper
107	100		
108	118.4	94.7	142.1
77	48.0	38.8	58.2
79	46.7	38.3	57.5

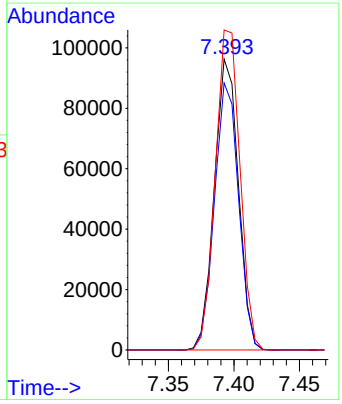


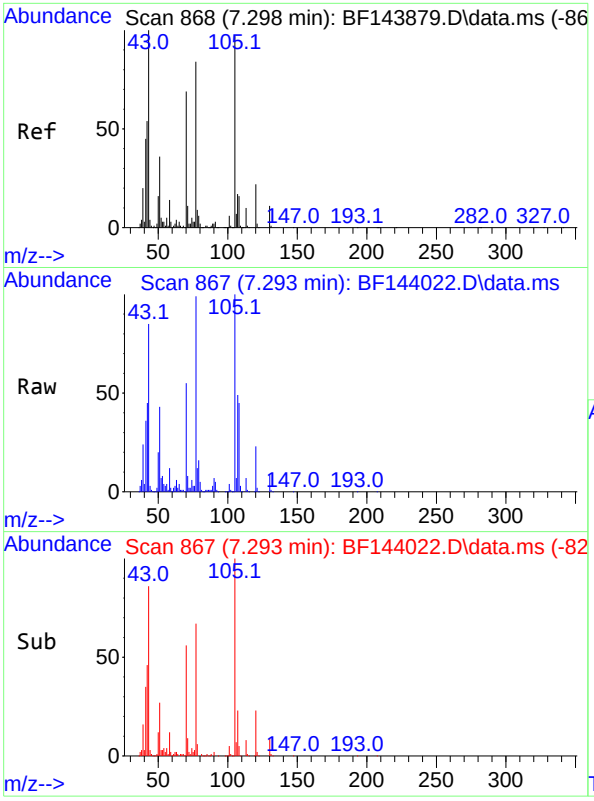


#18
Hexachloroethane
Concen: 47.88 ng
RT: 7.393 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:117 Resp: 122779

Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.8	116.8
201	110.0	88.5	132.7



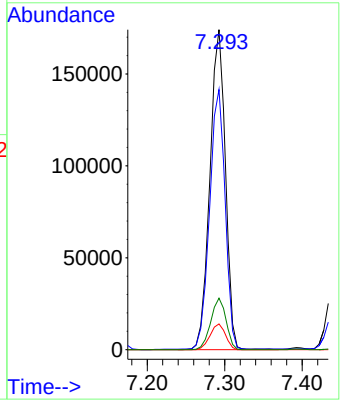


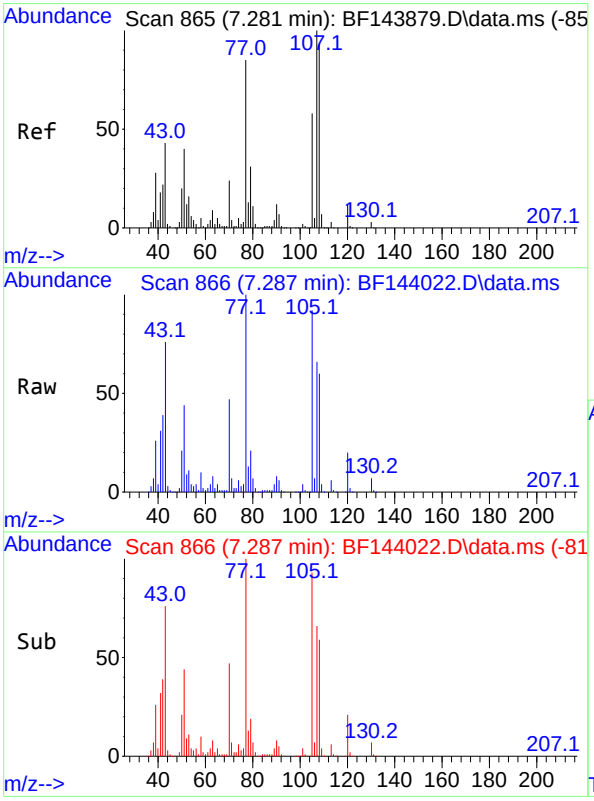
#19
n-Nitroso-di-n-propylamine
Concen: 44.56 ng
RT: 7.293 min Scan# 8
Delta R.T. -0.023 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 70 Resp: 242161

Ion	Ratio	Lower	Upper
70	100		
42	81.3	62.8	94.2
101	8.0	6.7	10.1
130	16.1	13.0	19.4

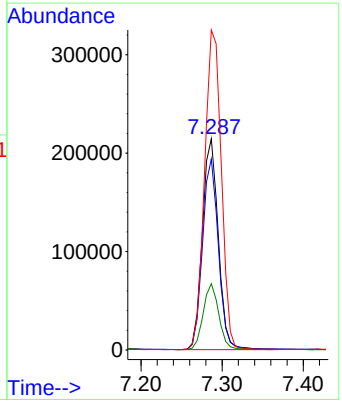


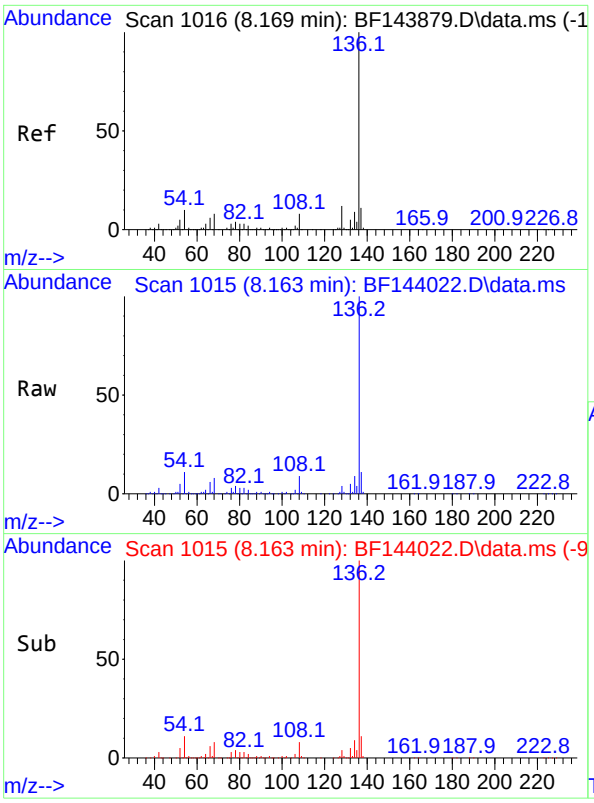


#20
3+4-Methylphenols
Concen: 46.68 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:107 Resp: 291162

Ion	Ratio	Lower	Upper
107	100		
108	90.4	73.0	113.0
77	151.5	64.6	104.6#
79	31.3	11.5	51.5



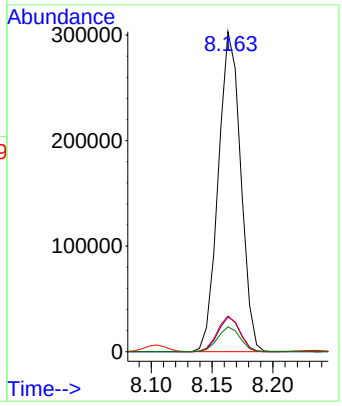


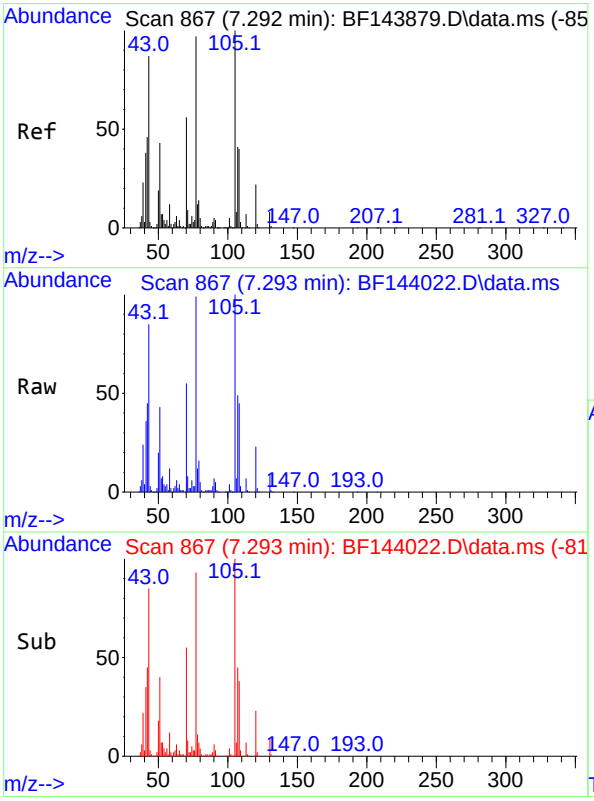
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:136 Resp: 388491

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	11.1	8.2	12.4
68	7.8	6.2	9.4

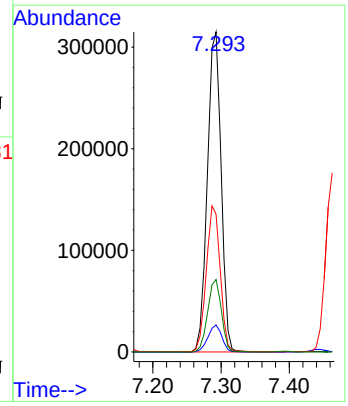


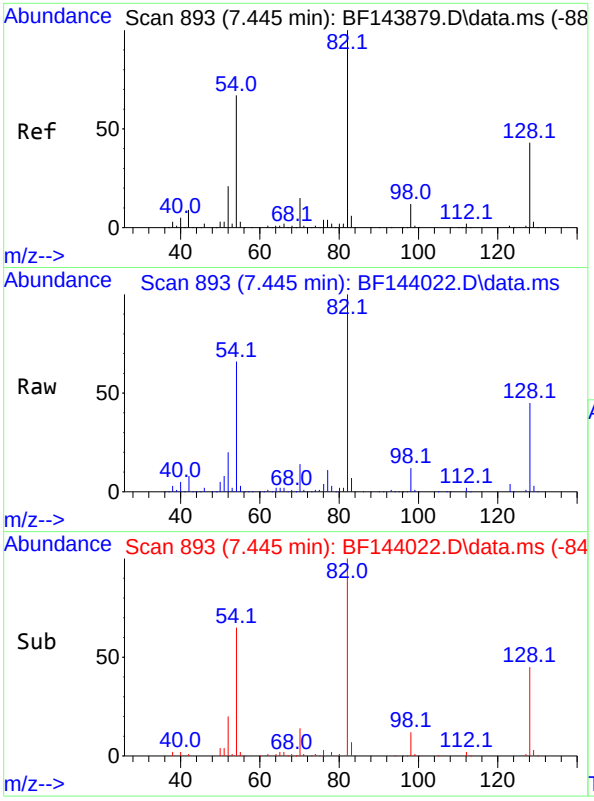


#22
Acetophenone
Concen: 53.90 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:105 Resp: 442786

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.4	11.0
51	43.1	34.2	51.4
120	22.6	17.7	26.5



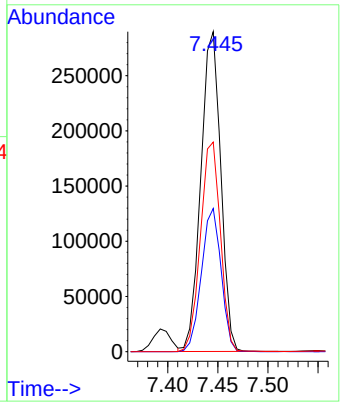


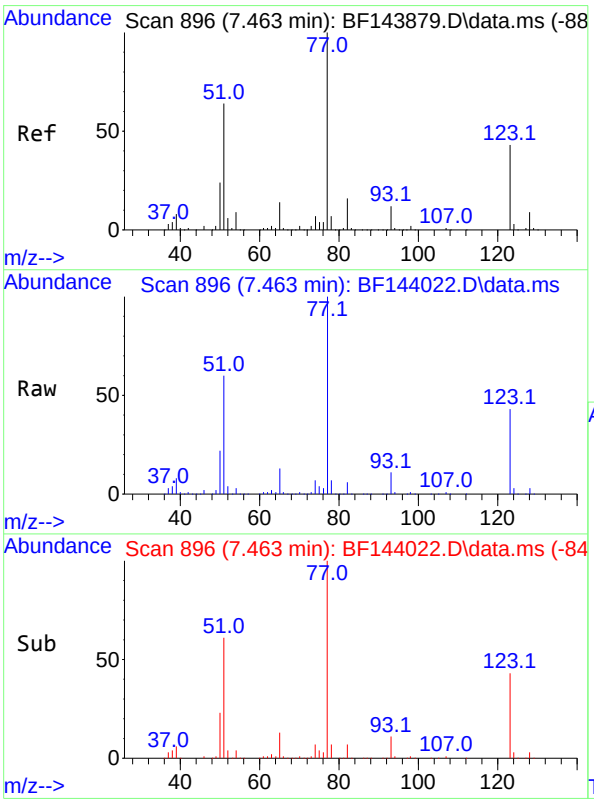
#23
Nitrobenzene-d5
Concen: 62.67 ng
RT: 7.445 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 82 Resp: 400768

Ion	Ratio	Lower	Upper
82	100		
128	44.8	34.0	51.0
54	65.5	53.2	79.8

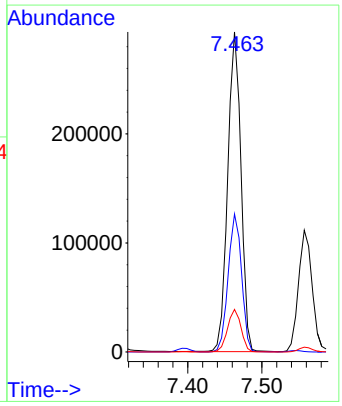


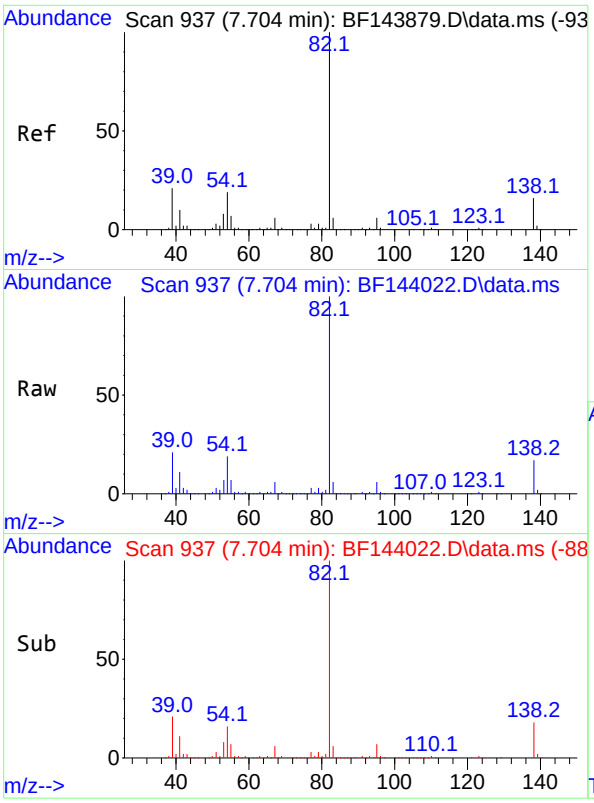


#24
Nitrobenzene
Concen: 51.28 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 77 Resp: 364151

Ion	Ratio	Lower	Upper
77	100		
123	43.1	34.2	51.4
65	13.3	11.0	16.6



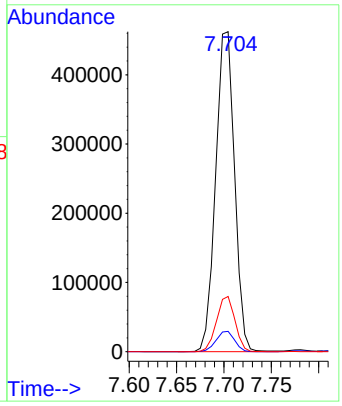


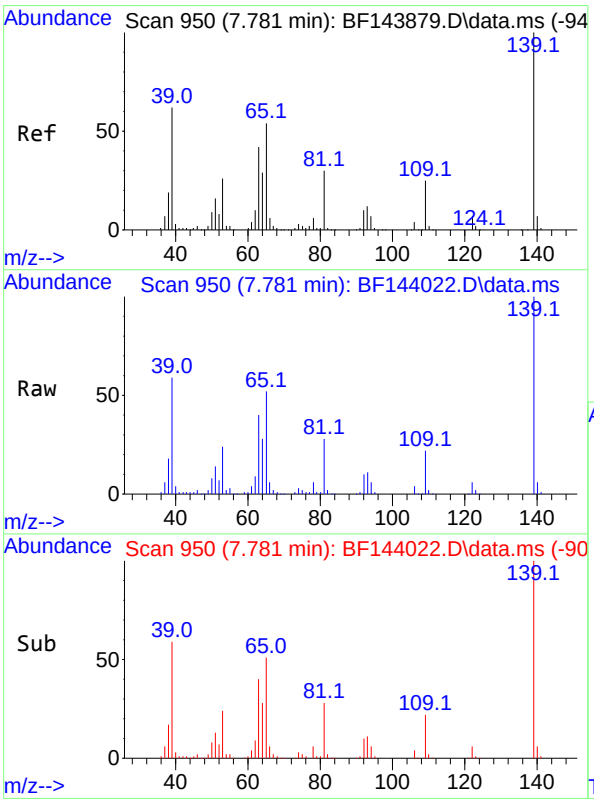
#25
Isophorone
Concen: 47.69 ng
RT: 7.704 min Scan# 9
Delta R.T. -0.017 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 82 Resp: 643056

Ion	Ratio	Lower	Upper
82	100		
95	6.3	5.1	7.7
138	17.2	12.9	19.3

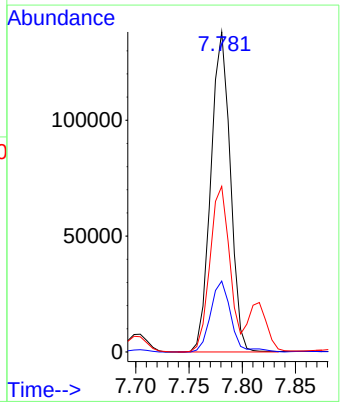


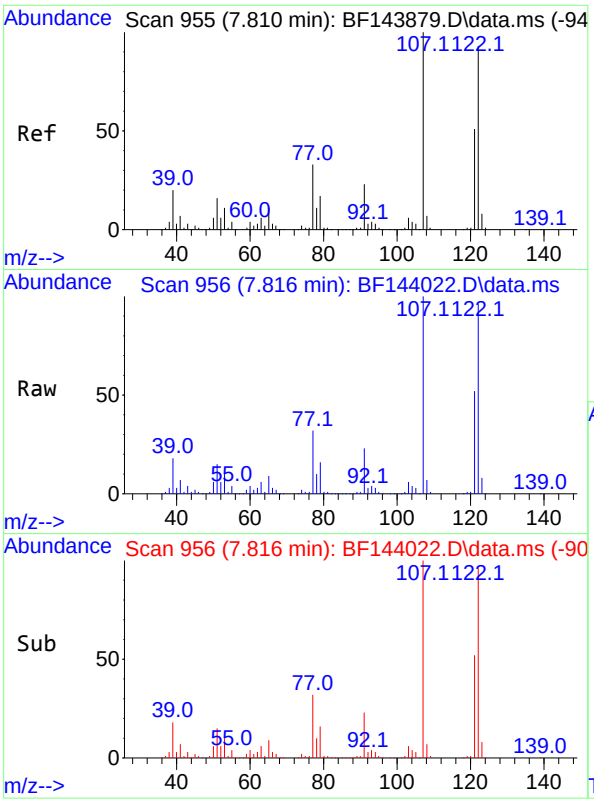


#26
2-Nitrophenol
Concen: 57.58 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:139 Resp: 175307

Ion	Ratio	Lower	Upper
139	100		
109	22.1	19.8	29.6
65	51.8	42.9	64.3



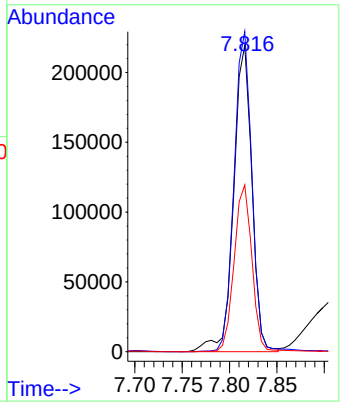


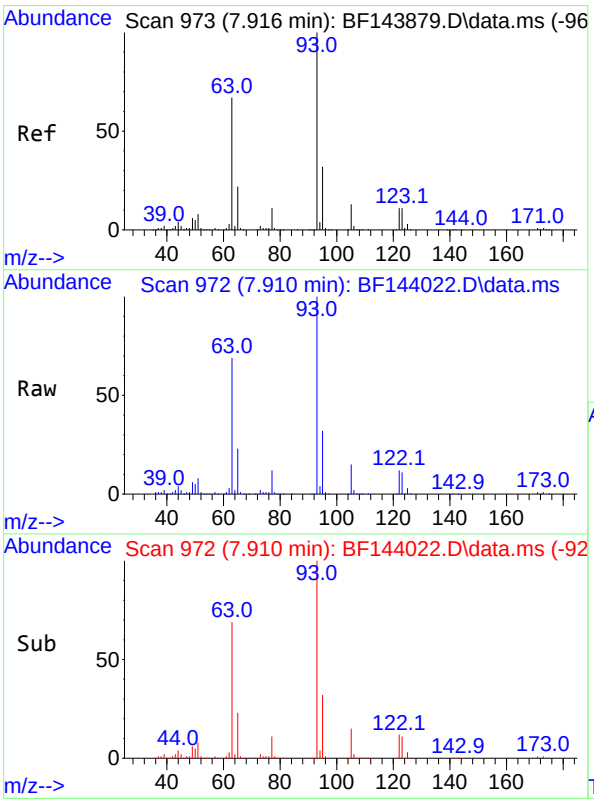
#27
2,4-Dimethylphenol
Concen: 53.79 ng
RT: 7.816 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:122 Resp: 294576

Ion	Ratio	Lower	Upper
122	100		
107	104.4	86.1	129.1
121	54.4	43.8	65.6

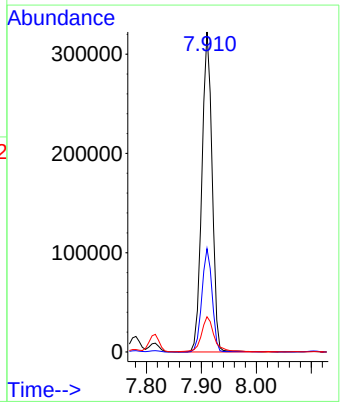


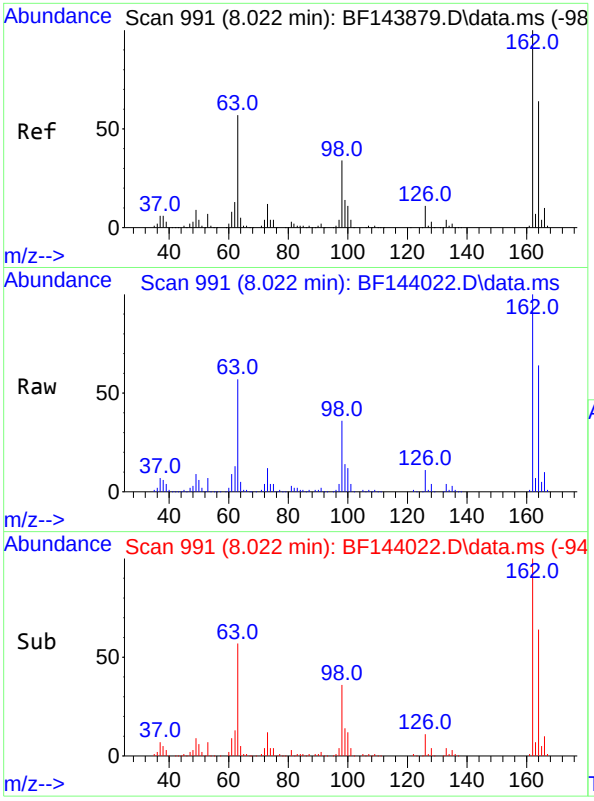


#28
bis(2-Chloroethoxy)methane
Concen: 49.14 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 93 Resp: 418504

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.9	38.9
123	11.0	9.4	14.0



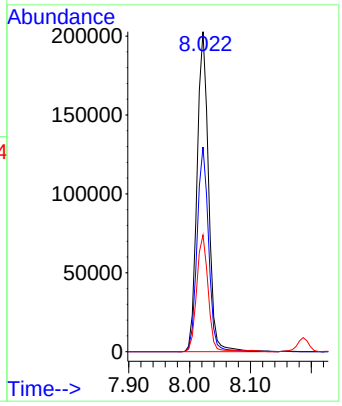


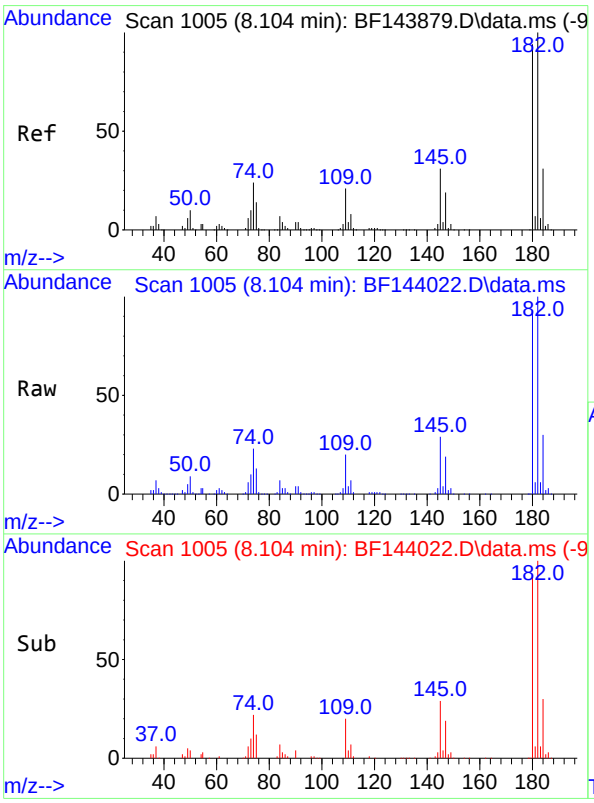
#29
2,4-Dichlorophenol
Concen: 46.52 ng
RT: 8.022 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:162 Resp: 265392

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.9	83.9
98	36.4	14.4	54.4

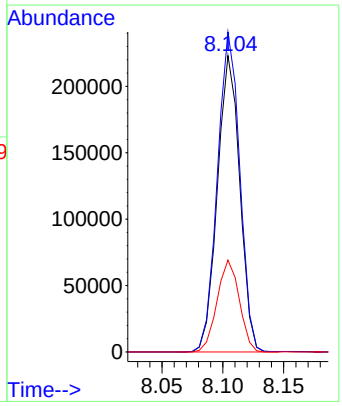


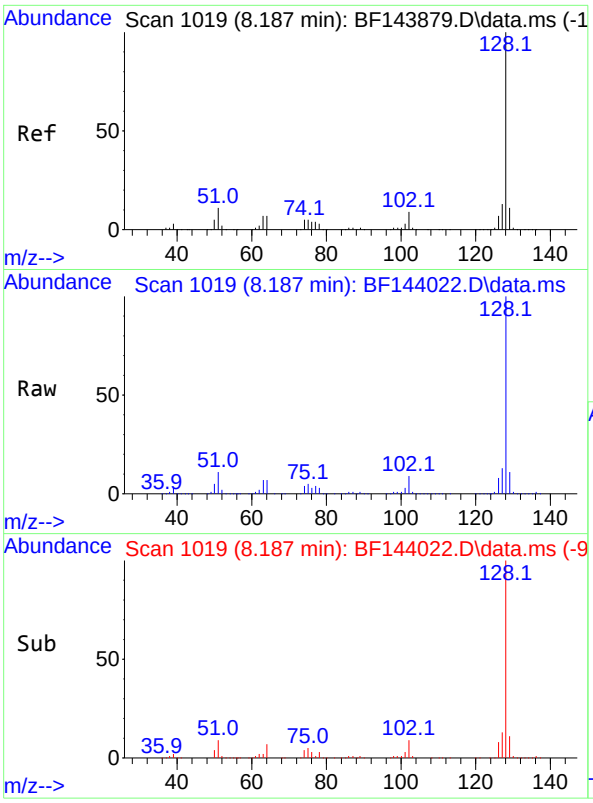


#30
1,2,4-Trichlorobenzene
Concen: 50.88 ng
RT: 8.104 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:180 Resp: 285429

Ion	Ratio	Lower	Upper
180	100		
182	108.0	85.4	128.0
145	31.0	26.3	39.5



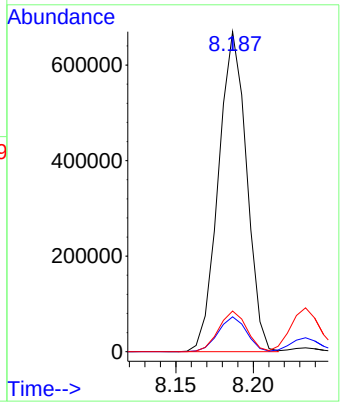


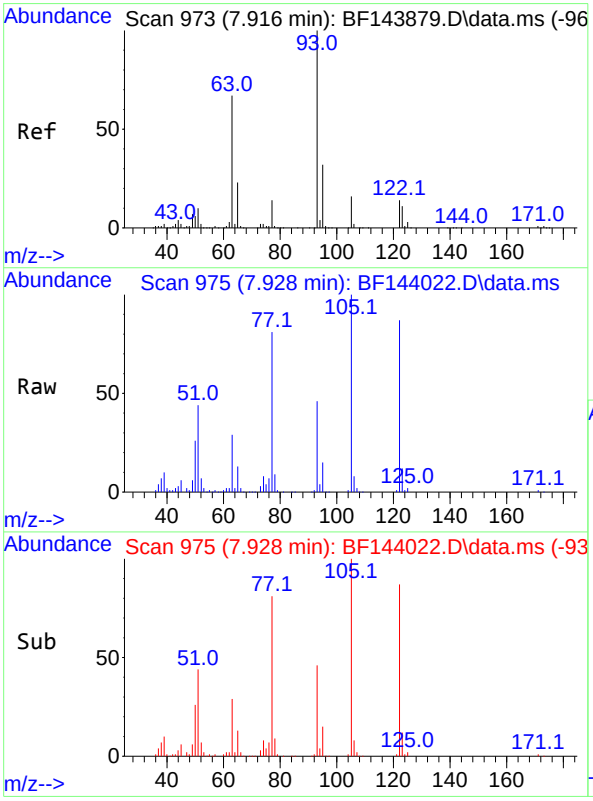
#31
Naphthalene
Concen: 47.85 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:128 Resp: 845626

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	12.7	10.0	15.0

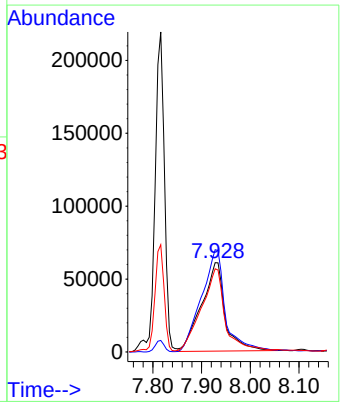


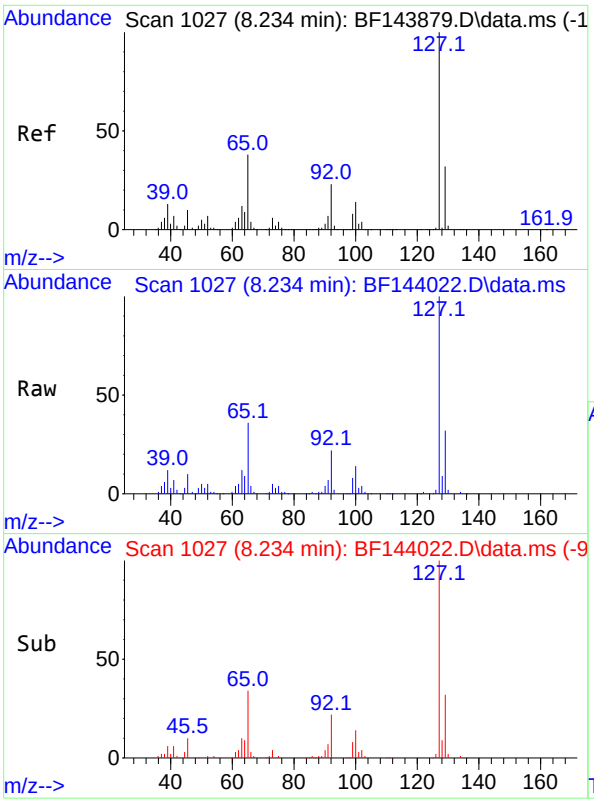


#32
Benzoic acid
Concen: 53.67 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.035 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:122 Resp: 203422

Ion	Ratio	Lower	Upper
122	100		
105	114.5	93.5	133.5
77	93.2	76.3	116.3



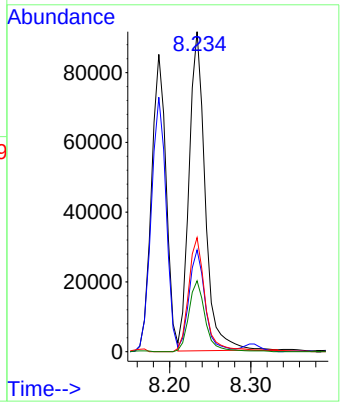


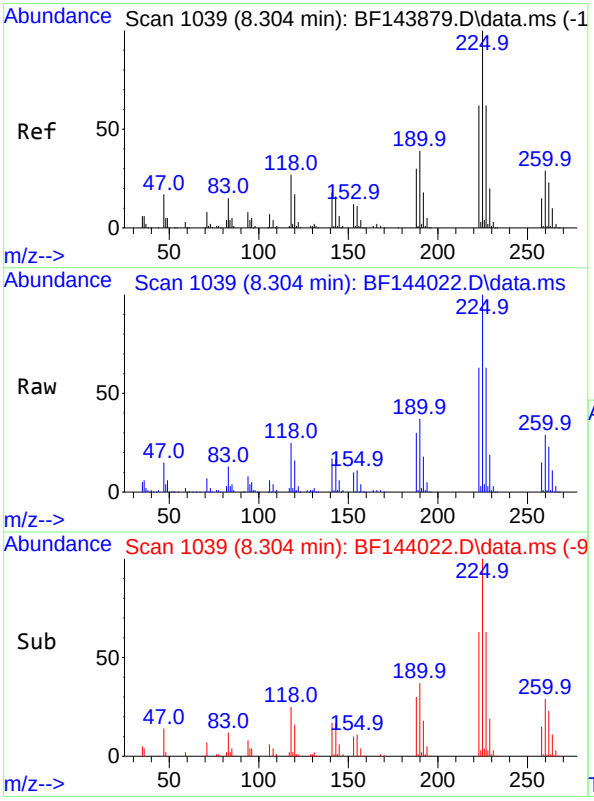
#33
4-Chloroaniline
Concen: 19.08 ng
RT: 8.234 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:127 Resp: 126445

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.8	38.8
65	35.7	30.0	45.0
92	22.2	18.2	27.2

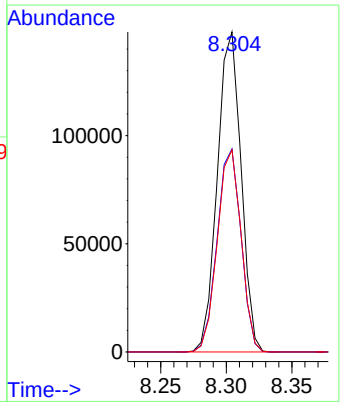


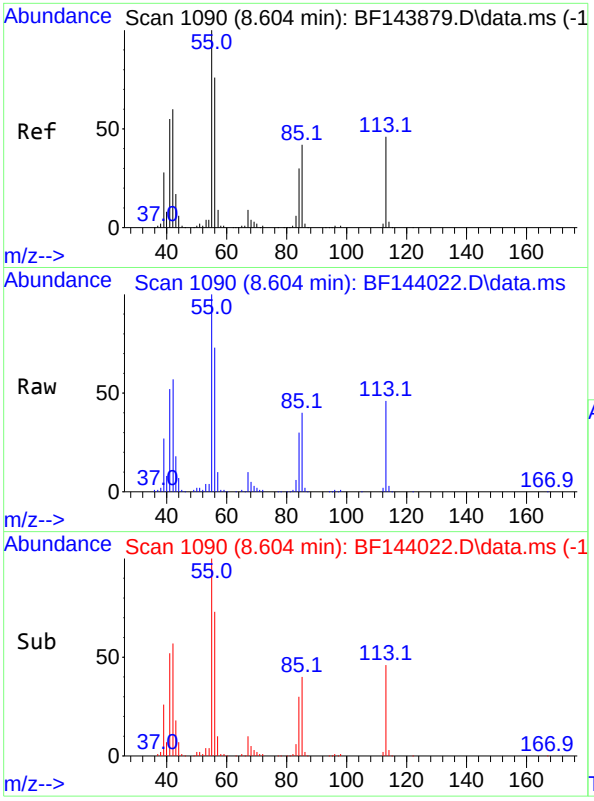


#34
Hexachlorobutadiene
Concen: 47.72 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:225 Resp: 186031

Ion	Ratio	Lower	Upper
225	100		
223	63.5	49.4	74.2
227	63.1	49.7	74.5



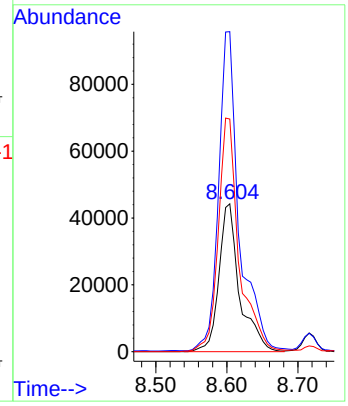


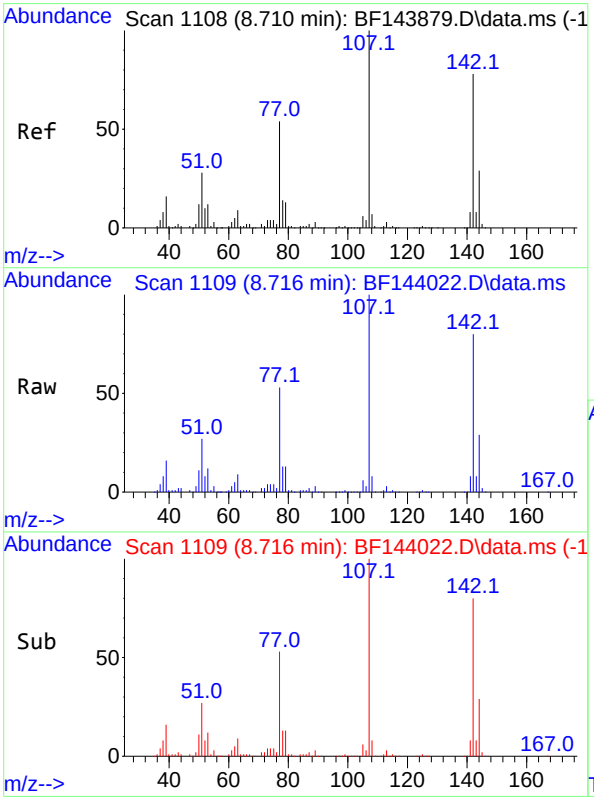
#35
Caprolactam
Concen: 49.20 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:113 Resp: 89234

Ion	Ratio	Lower	Upper
113	100		
55	216.6	199.6	239.6
56	157.4	146.0	186.0

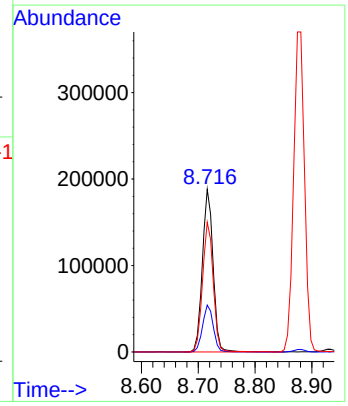


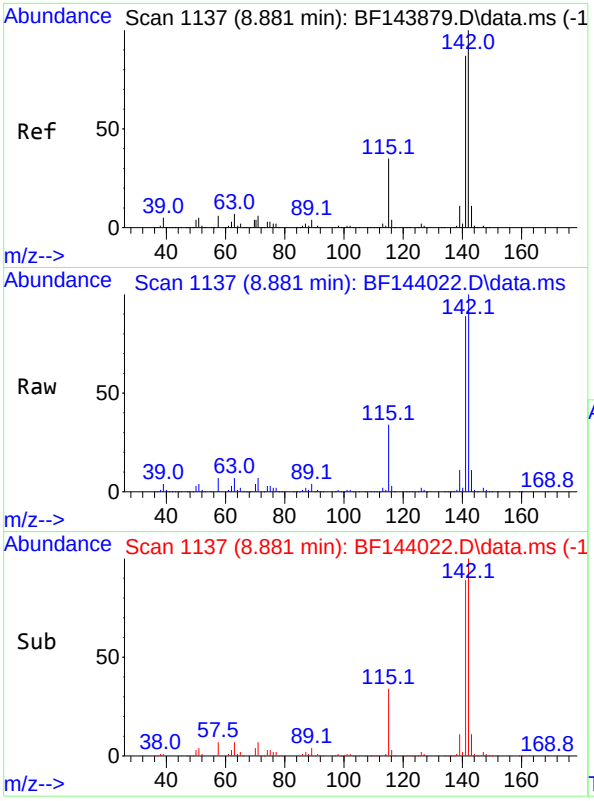


#36
4-Chloro-3-methylphenol
Concen: 45.33 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:107 Resp: 248388

Ion	Ratio	Lower	Upper
107	100		
144	28.8	23.1	34.7
142	79.7	62.6	94.0



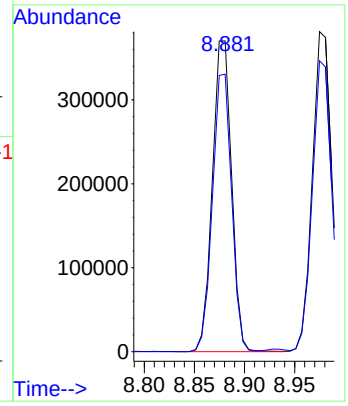


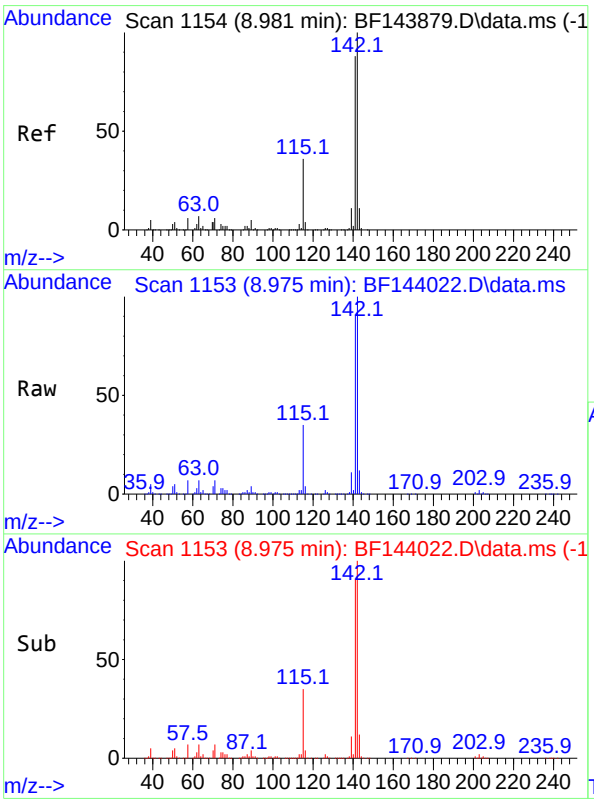
#37
2-Methylnaphthalene
Concen: 41.95 ng
RT: 8.881 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:142 Resp: 493824

Ion	Ratio	Lower	Upper
142	100		
141	89.3	69.2	103.8

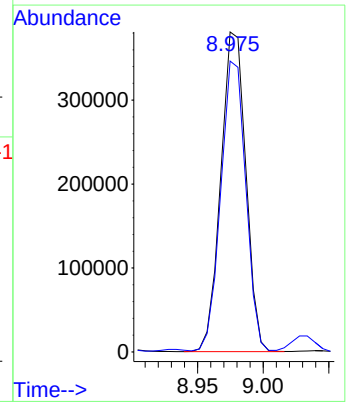


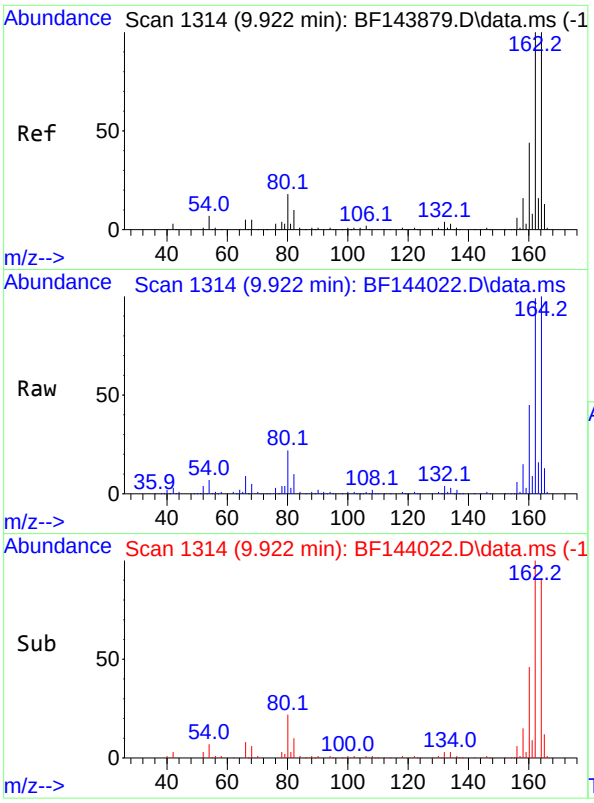


#38
1-Methylnaphthalene
Concen: 44.26 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.011 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:142 Resp: 505391

Ion	Ratio	Lower	Upper
142	100		
141	90.9	70.8	106.2



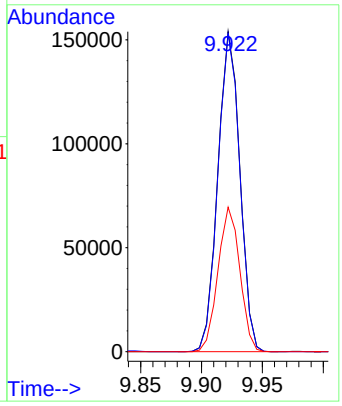


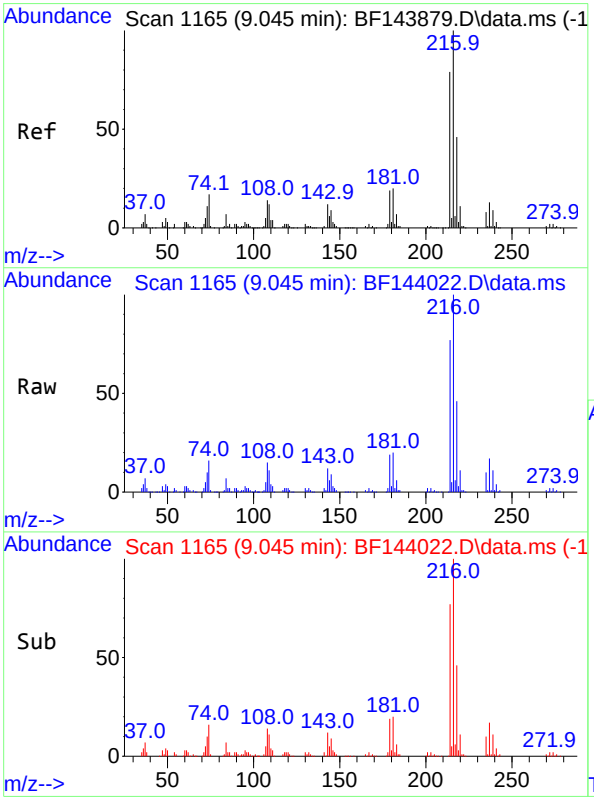
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:164 Resp: 194134

Ion	Ratio	Lower	Upper
164	100		
162	99.4	80.2	120.2
160	45.1	35.4	53.0

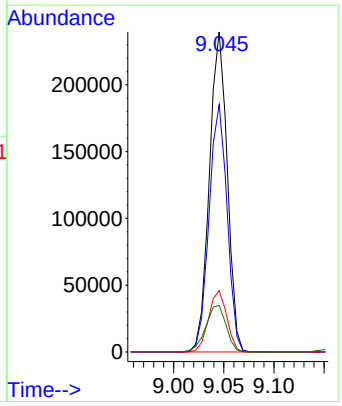


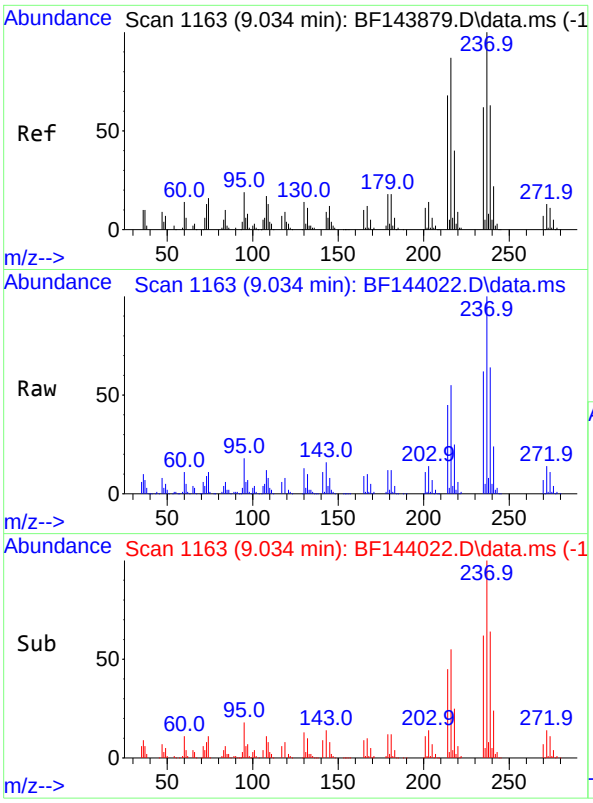


#40
1,2,4,5-Tetrachlorobenzene
Concen: 55.21 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:216 Resp: 296244

Ion	Ratio	Lower	Upper
216	100		
214	78.0	62.6	94.0
179	19.5	15.4	23.0
108	16.7	12.0	18.0



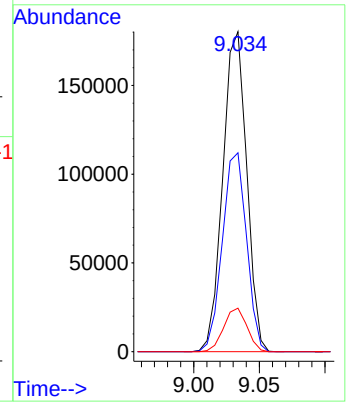


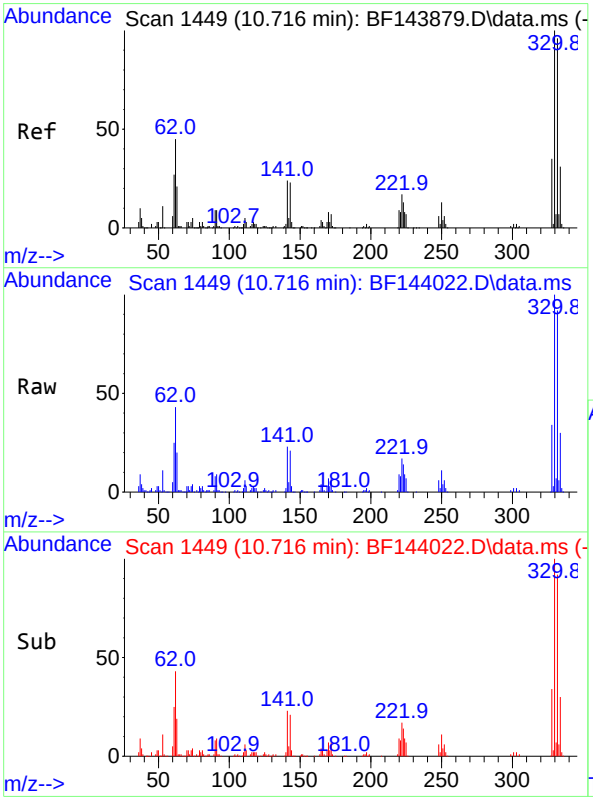
#41
Hexachlorocyclopentadiene
Concen: 102.41 ng
RT: 9.034 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:237 Resp: 227968

Ion	Ratio	Lower	Upper
237	100		
235	62.2	42.3	82.3
272	13.6	0.0	33.1

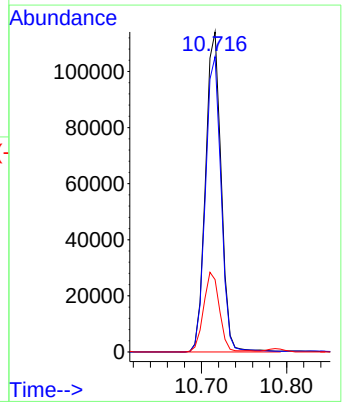


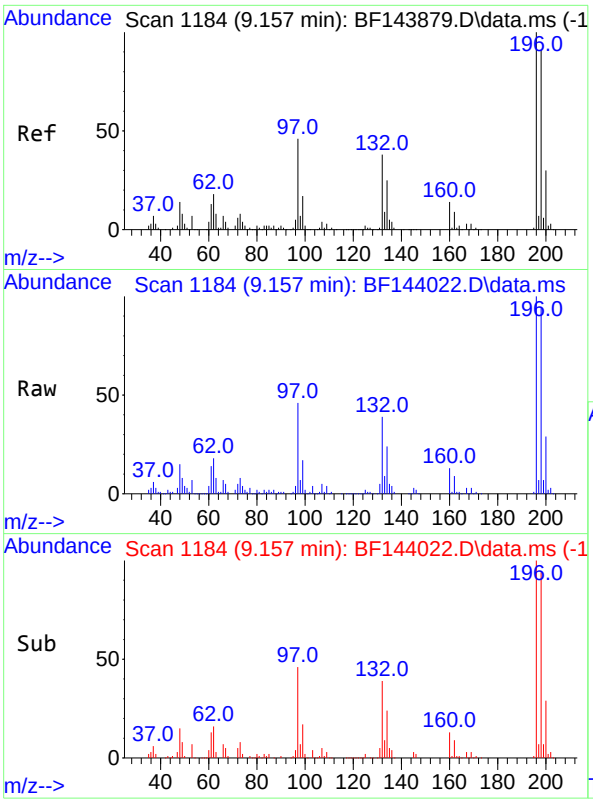


#42
2,4,6-Tribromophenol
Concen: 75.13 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:330 Resp: 145268

Ion	Ratio	Lower	Upper
330	100		
332	92.6	76.9	115.3
141	25.6	20.2	30.4



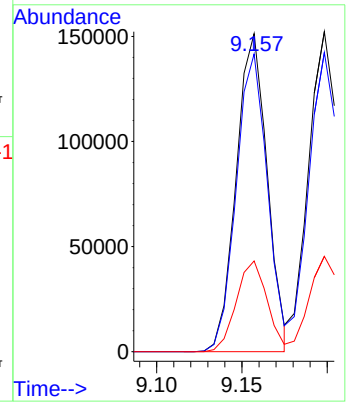


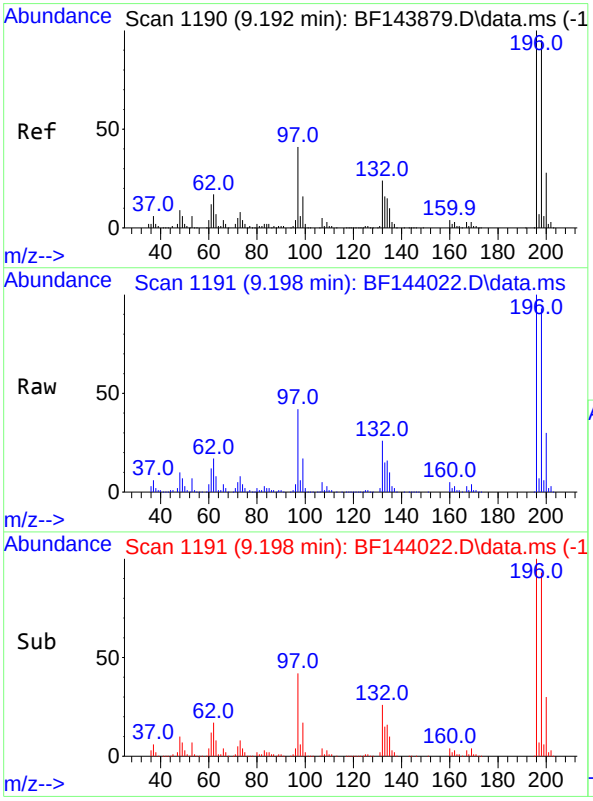
#43
2,4,6-Trichlorophenol
Concen: 48.82 ng
RT: 9.157 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:196 Resp: 191391

Ion	Ratio	Lower	Upper
196	100		
198	93.6	72.8	109.2
200	28.5	24.0	36.0

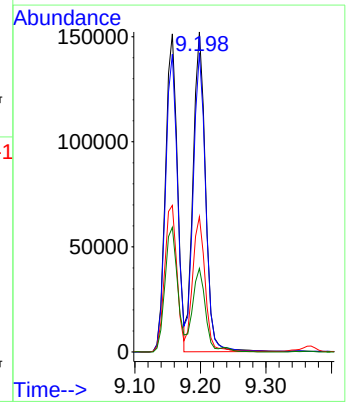


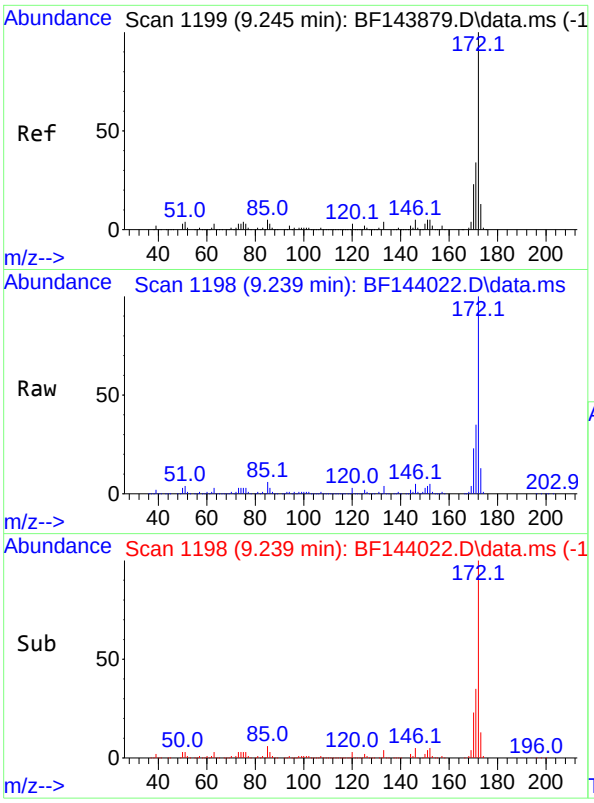


#44
2,4,5-Trichlorophenol
Concen: 48.13 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:196 Resp: 199399

Ion	Ratio	Lower	Upper
196	100		
198	93.5	75.5	113.3
97	42.3	33.9	50.9
132	26.1	20.0	30.0



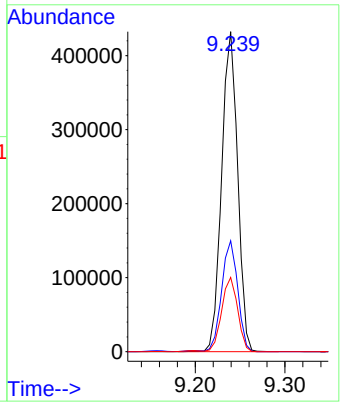


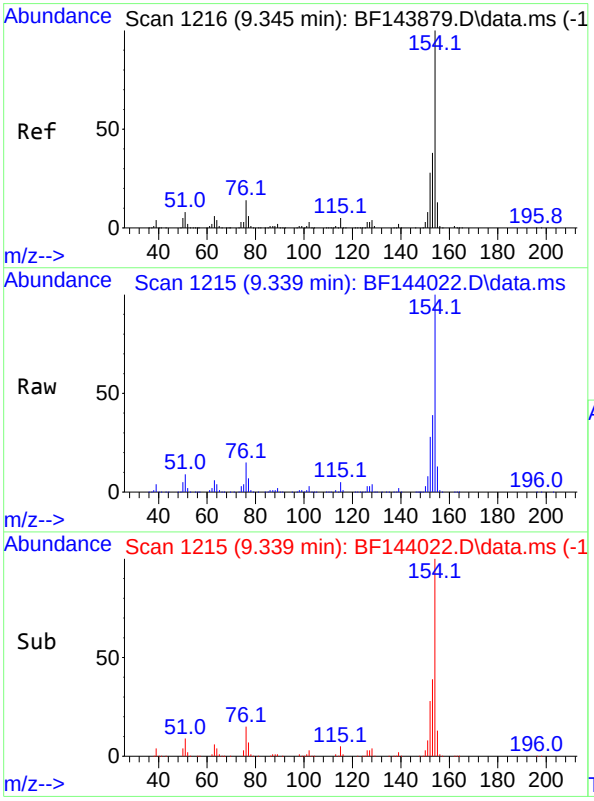
#45
2-Fluorobiphenyl
Concen: 43.72 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:172 Resp: 534920

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.4	41.0
170	23.2	18.6	28.0

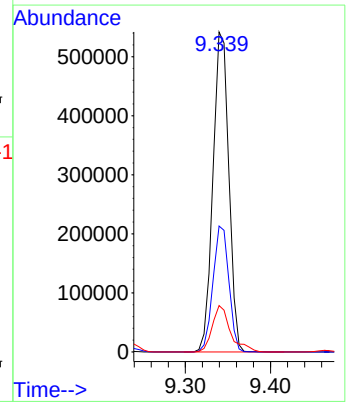


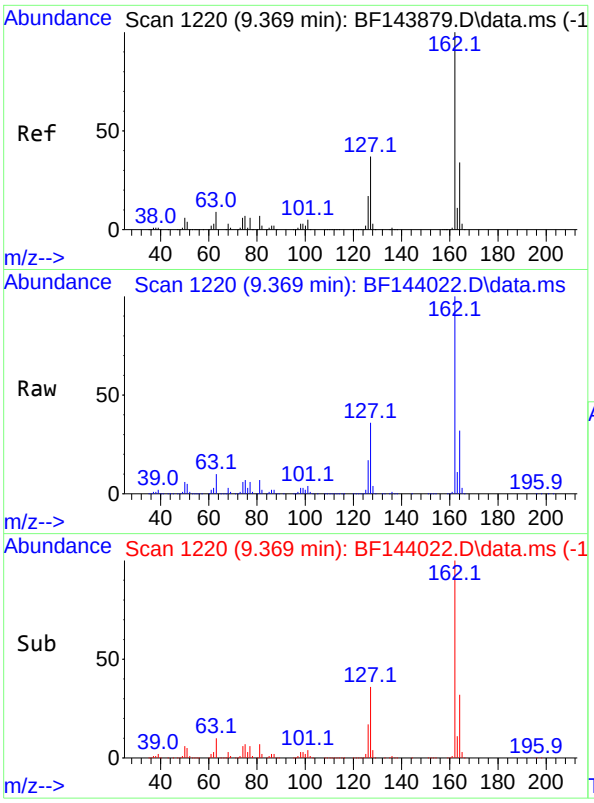


#46
1,1'-Biphenyl
Concen: 54.44 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:154 Resp: 699744

Ion	Ratio	Lower	Upper
154	100		
153	39.4	18.4	58.4
76	14.5	0.0	34.0



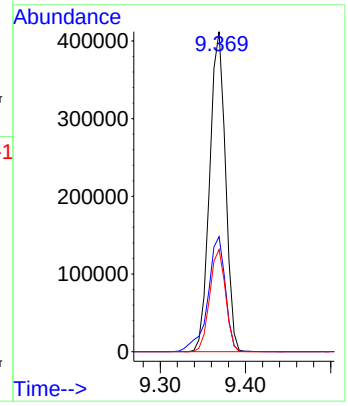


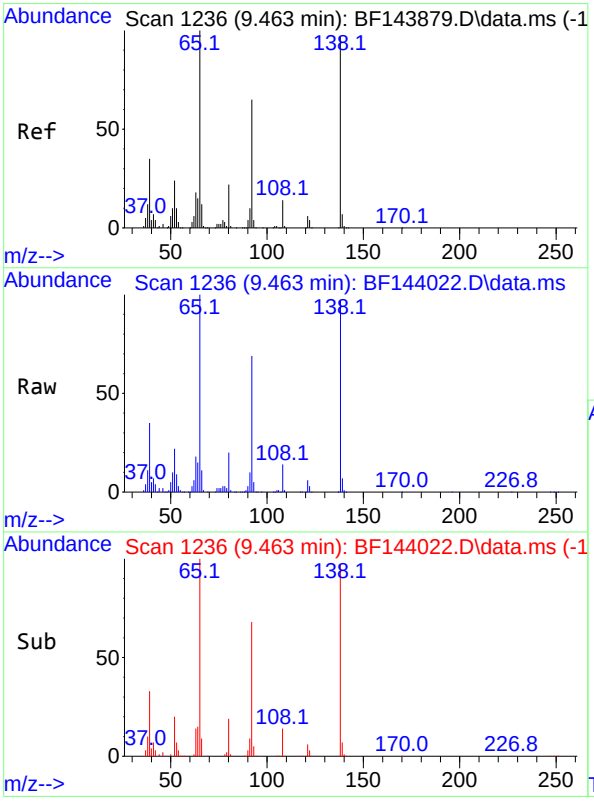
#47
2-Chloronaphthalene
Concen: 49.44 ng
RT: 9.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:162 Resp: 529818

Ion	Ratio	Lower	Upper
162	100		
127	36.0	30.2	45.2
164	32.0	26.9	40.3

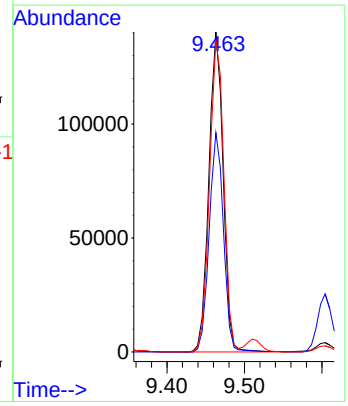


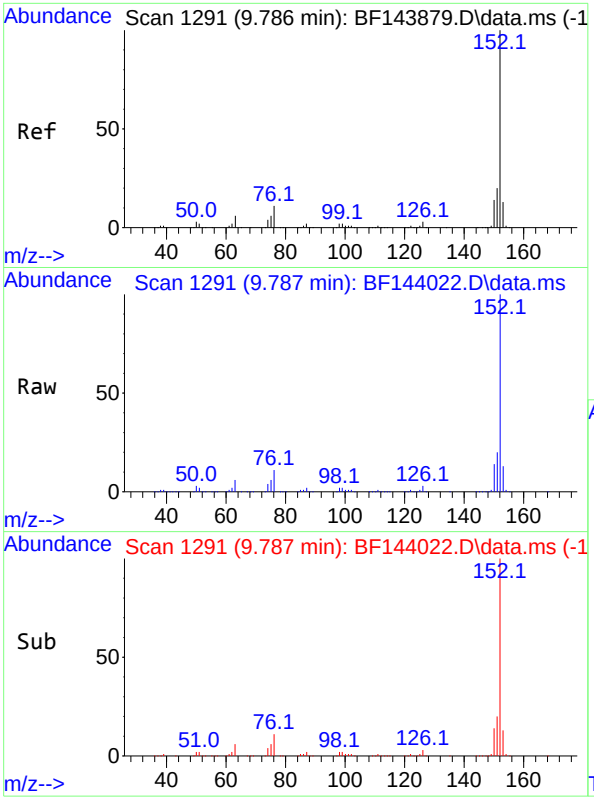


#48
2-Nitroaniline
Concen: 53.01 ng
RT: 9.463 min Scan# 1236
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion: 65 Resp: 179609

Ion	Ratio	Lower	Upper
65	100		
92	68.5	52.1	78.1
138	97.4	77.4	116.2



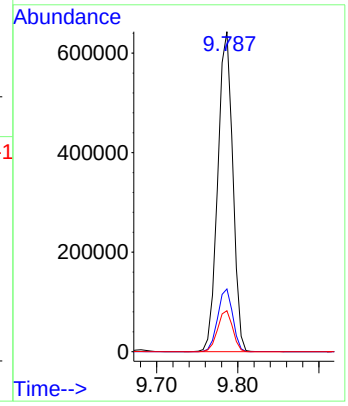


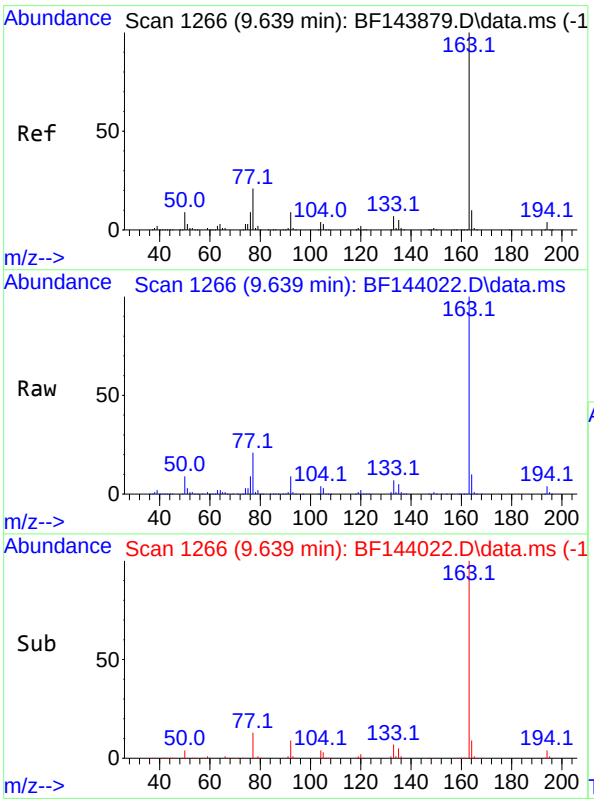
#49
Acenaphthylene
Concen: 54.68 ng
RT: 9.787 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:152 Resp: 823759

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.6
153	12.8	10.5	15.7

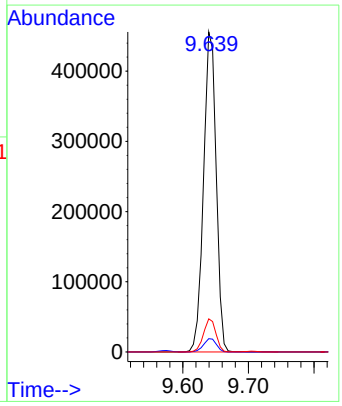


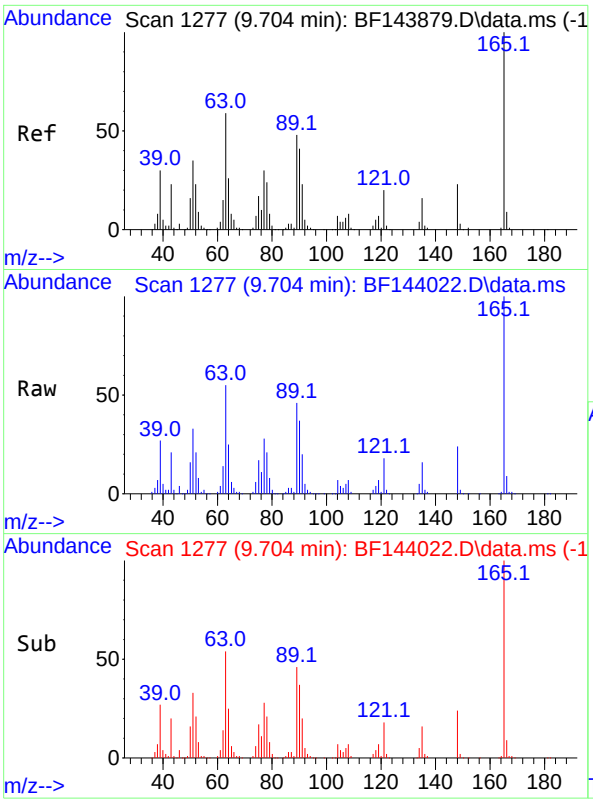


#50
Dimethylphthalate
Concen: 49.64 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:163 Resp: 611995

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.4	8.1	12.1



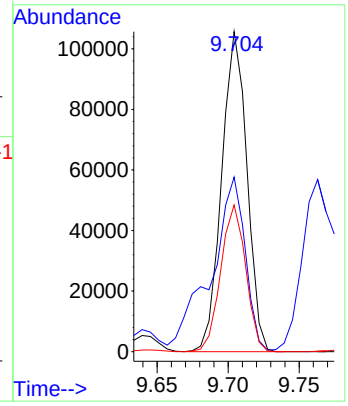


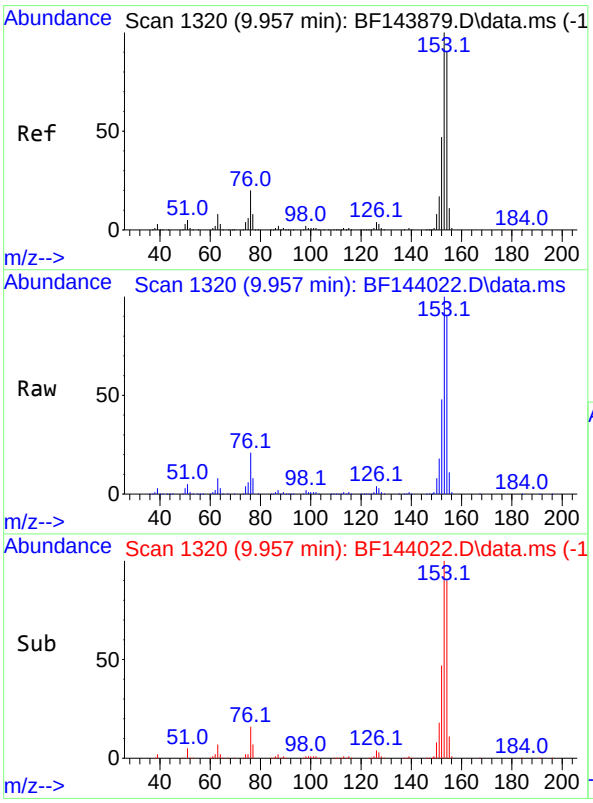
#51
2,6-Dinitrotoluene
Concen: 57.05 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:165 Resp: 130428

Ion	Ratio	Lower	Upper
165	100		
63	54.6	47.3	70.9
89	45.8	38.2	57.4

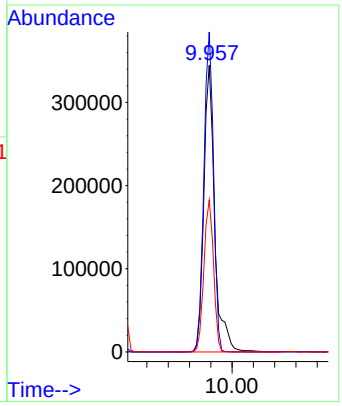


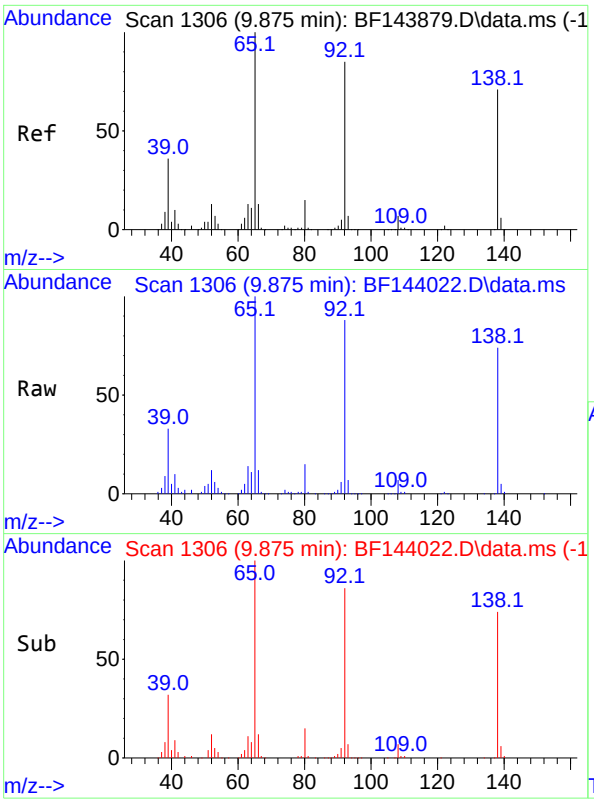


#52
Acenaphthene
Concen: 49.30 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:154 Resp: 486738

Ion	Ratio	Lower	Upper
154	100		
153	111.7	89.3	133.9
152	53.1	42.2	63.2



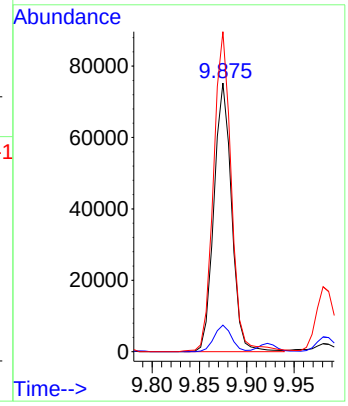


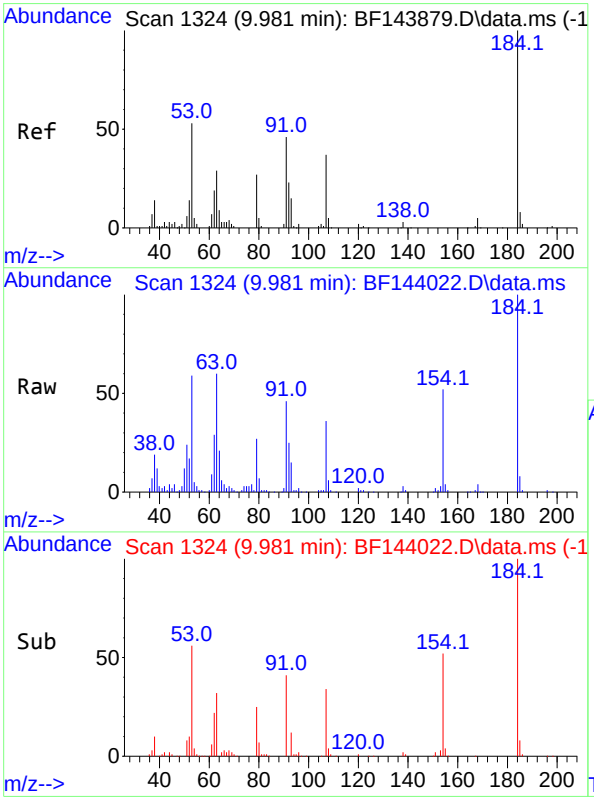
#53
3-Nitroaniline
Concen: 34.84 ng
RT: 9.875 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:138 Resp: 97528

Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.3	12.5
92	119.1	96.2	144.2

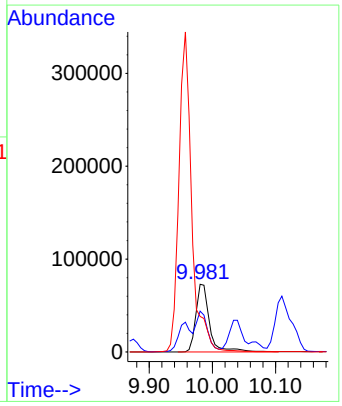


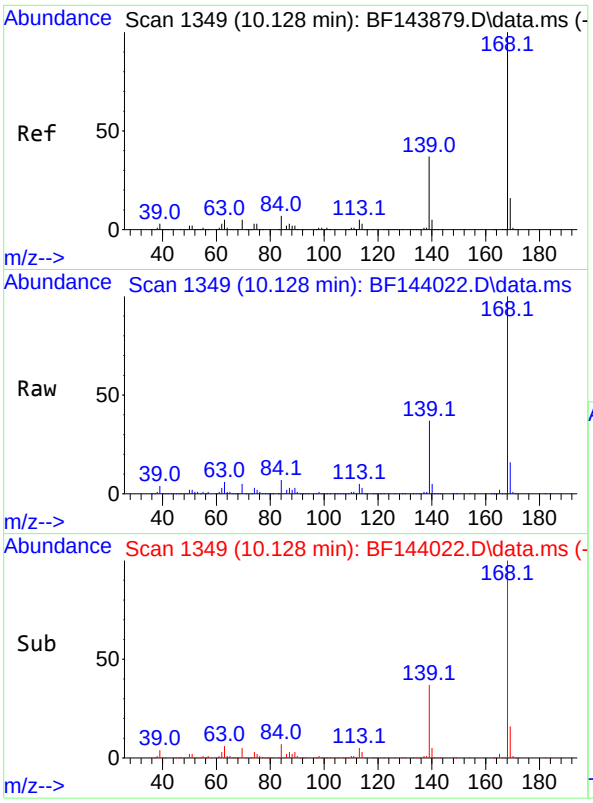


#54
2,4-Dinitrophenol
Concen: 77.95 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.005 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:184 Resp: 109640

Ion	Ratio	Lower	Upper
184	100		
63	60.2	48.2	72.4
154	52.4	49.2	73.8



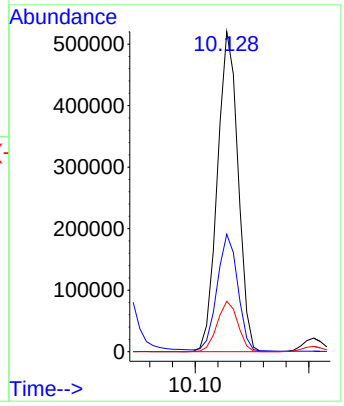


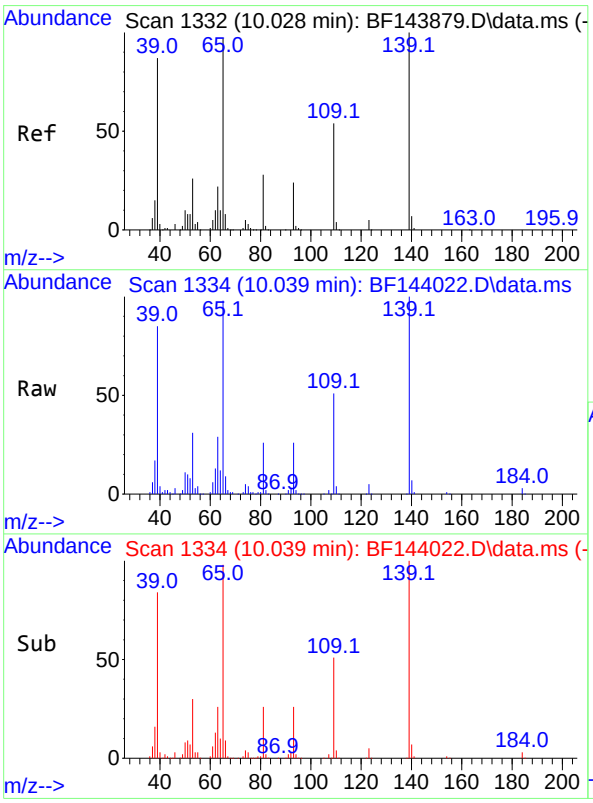
#55
Dibenzofuran
Concen: 47.17 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:168 Resp: 657401

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.8	44.8
169	15.8	12.8	19.2

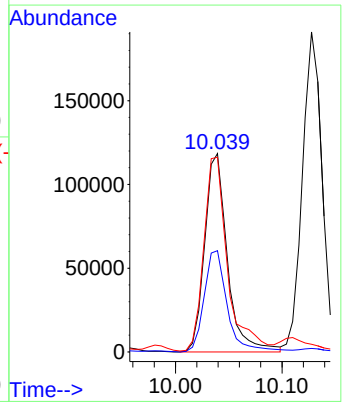


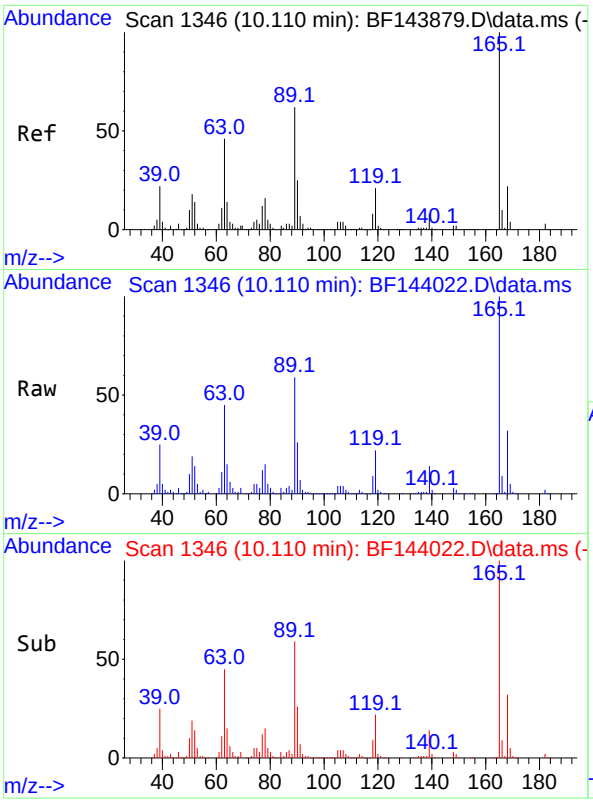


#56
4-Nitrophenol
Concen: 82.91 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:139 Resp: 175713

Ion	Ratio	Lower	Upper
139	100		
109	51.0	34.5	74.5
65	98.1	77.6	117.6



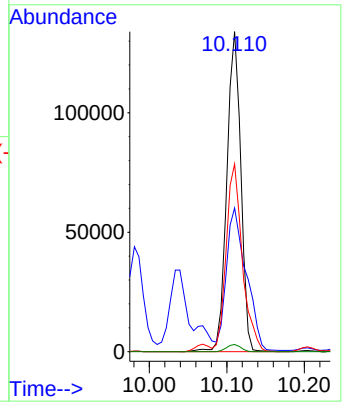


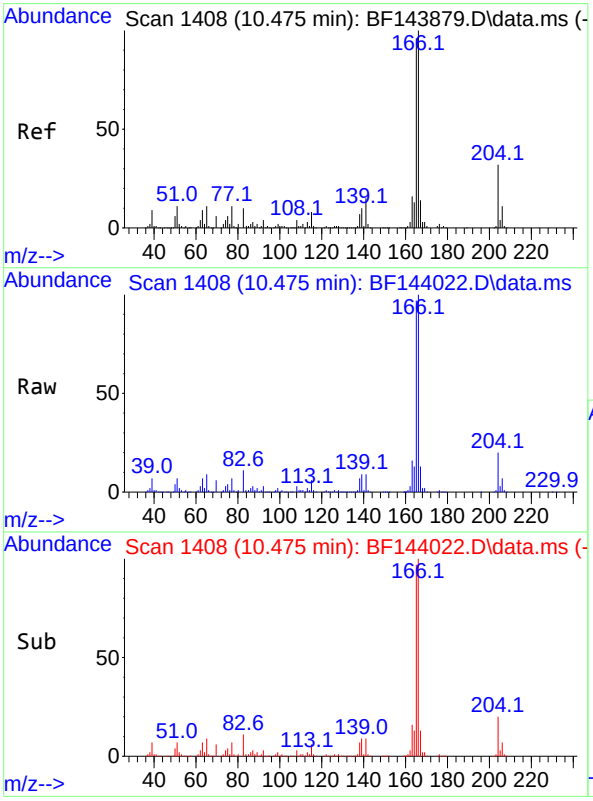
#57
2,4-Dinitrotoluene
Concen: 54.15 ng
RT: 10.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:165 Resp: 168424

Ion	Ratio	Lower	Upper
165	100		
63	44.9	37.2	55.8
89	58.7	49.4	74.2
182	2.3	2.1	3.1

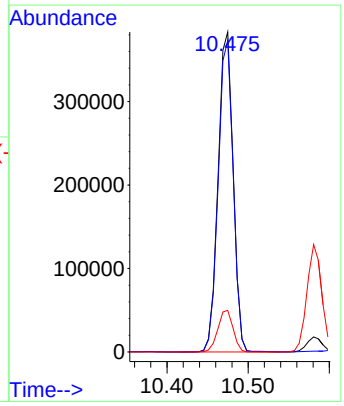


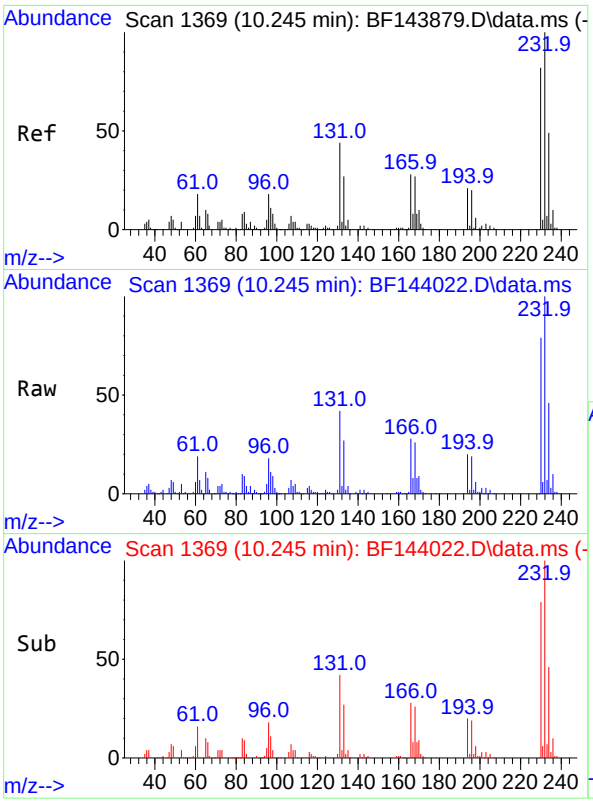


#58
Fluorene
Concen: 47.12 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:166 Resp: 495457

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.0	115.6
167	13.0	11.1	16.7



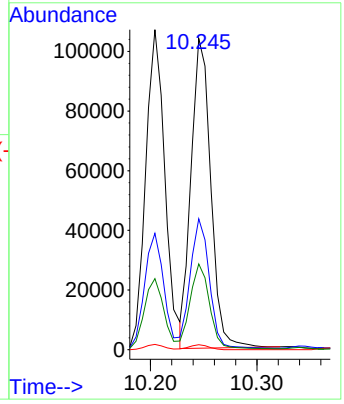


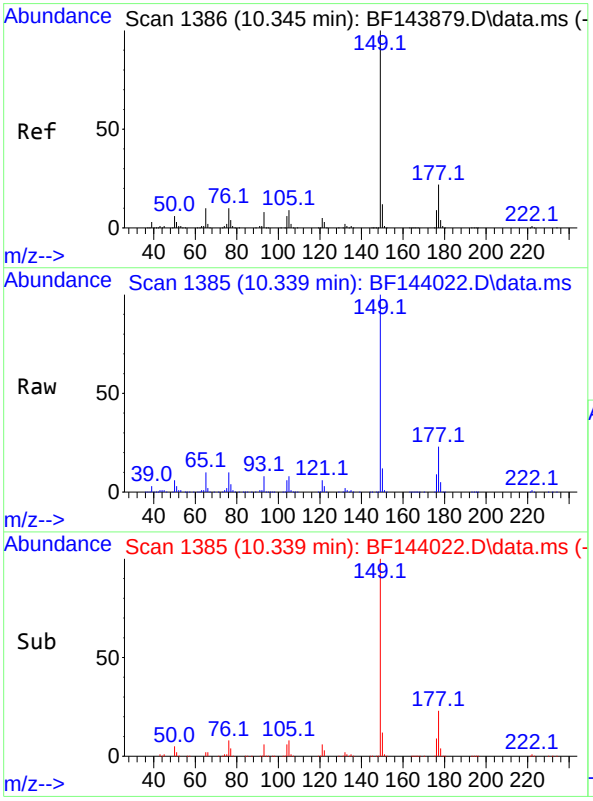
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.57 ng
RT: 10.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:232 Resp: 133635

Ion	Ratio	Lower	Upper
232	100		
131	42.5	34.9	52.3
130	1.6	1.6	2.4
166	27.5	22.0	33.0

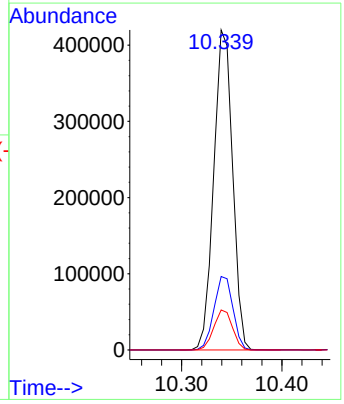


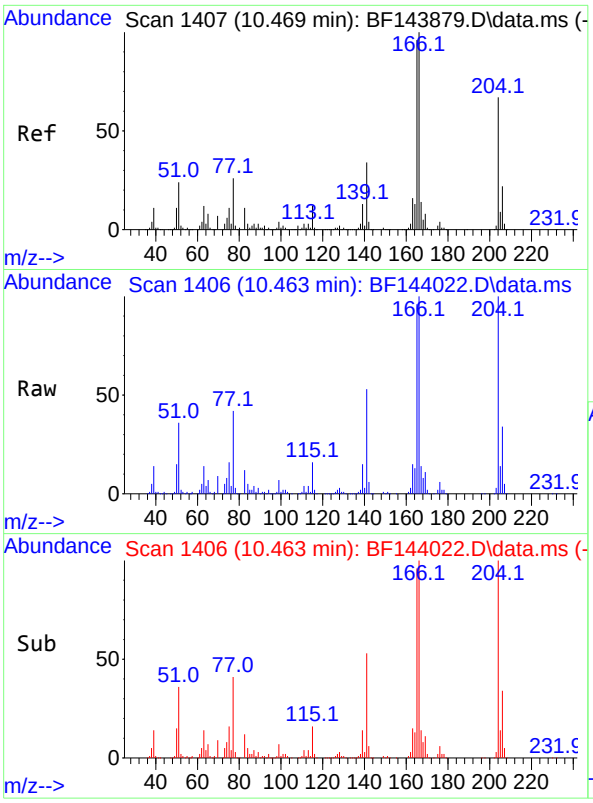


#60
Diethylphthalate
Concen: 47.77 ng
RT: 10.339 min Scan# 1385
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:149 Resp: 547114

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.9	26.9
150	12.5	9.8	14.8



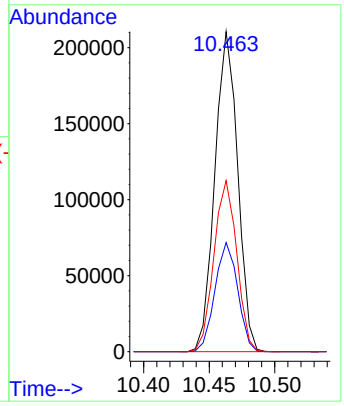


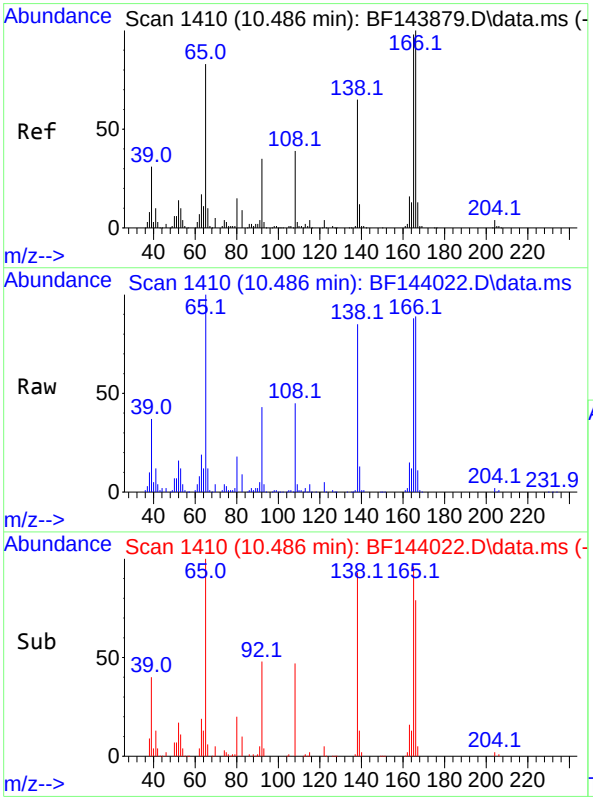
#61
4-Chlorophenyl-phenylether
Concen: 45.78 ng
RT: 10.463 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:204 Resp: 254519

Ion	Ratio	Lower	Upper
204	100		
206	34.1	26.6	40.0
141	53.4	40.4	60.6

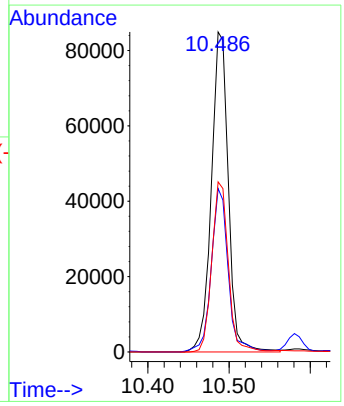


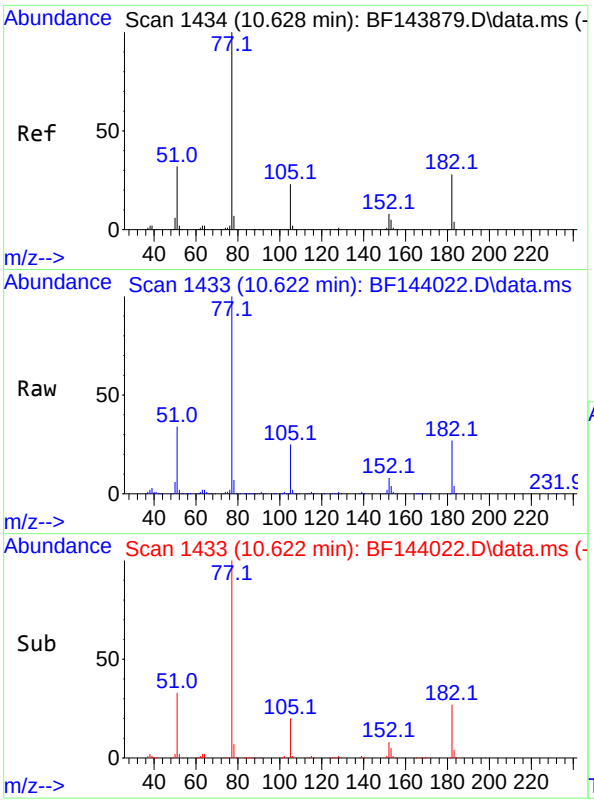


#62
4-Nitroaniline
Concen: 45.68 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.023 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:138 Resp: 122960

Ion	Ratio	Lower	Upper
138	100		
92	51.0	33.9	73.9
108	53.2	40.2	80.2



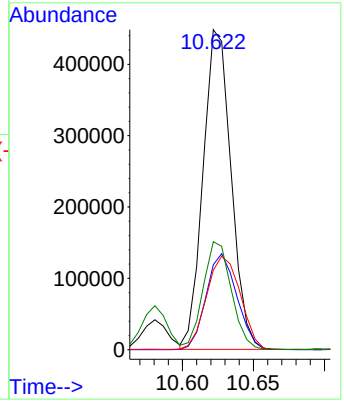


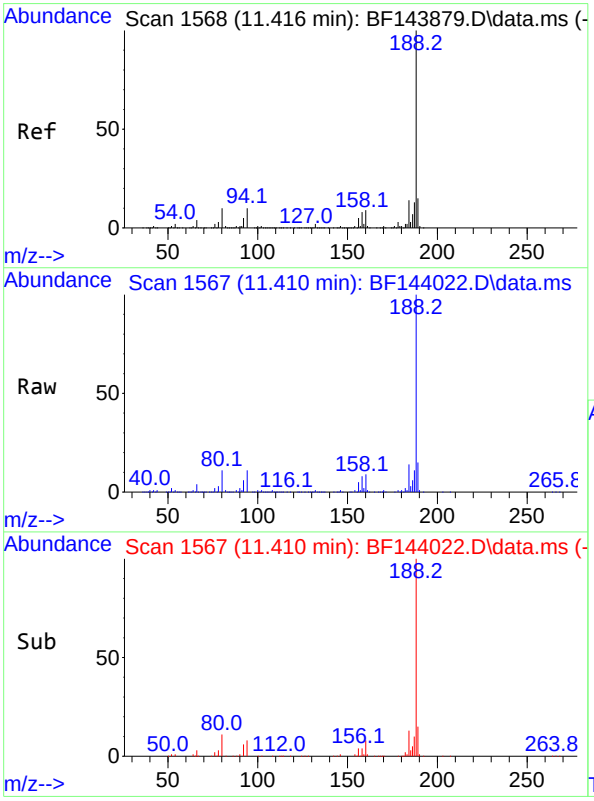
#63
Azobenzene
Concen: 51.44 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion: 77 Resp: 615682

Ion	Ratio	Lower	Upper
77	100		
182	26.6	7.3	47.3
105	24.8	3.0	43.0
51	33.8	13.5	53.5

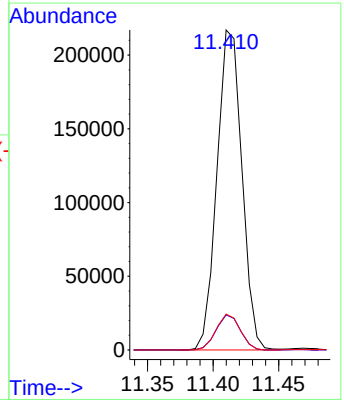


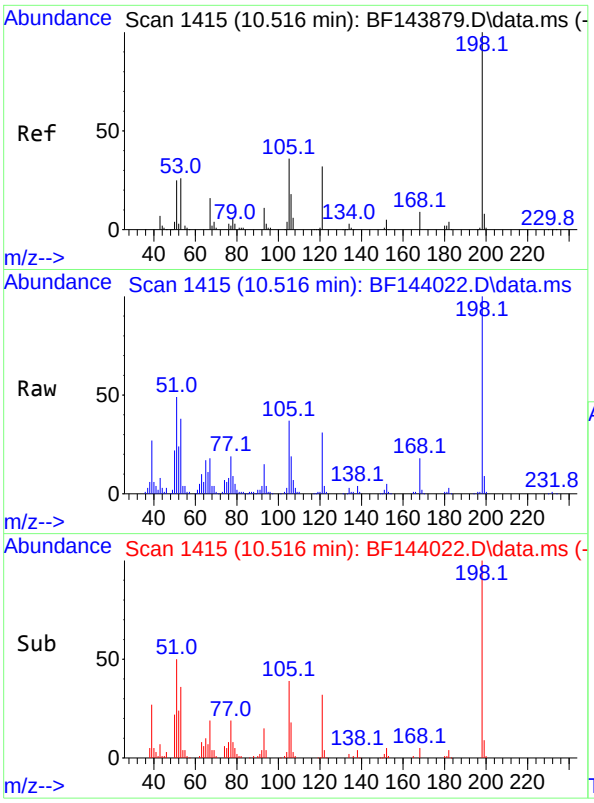


#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:188 Resp: 286809

Ion	Ratio	Lower	Upper
188	100		
94	10.9	7.8	11.6
80	11.2	7.9	11.9



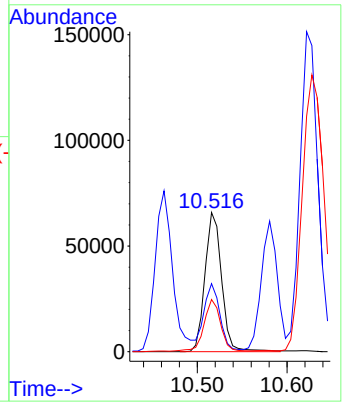


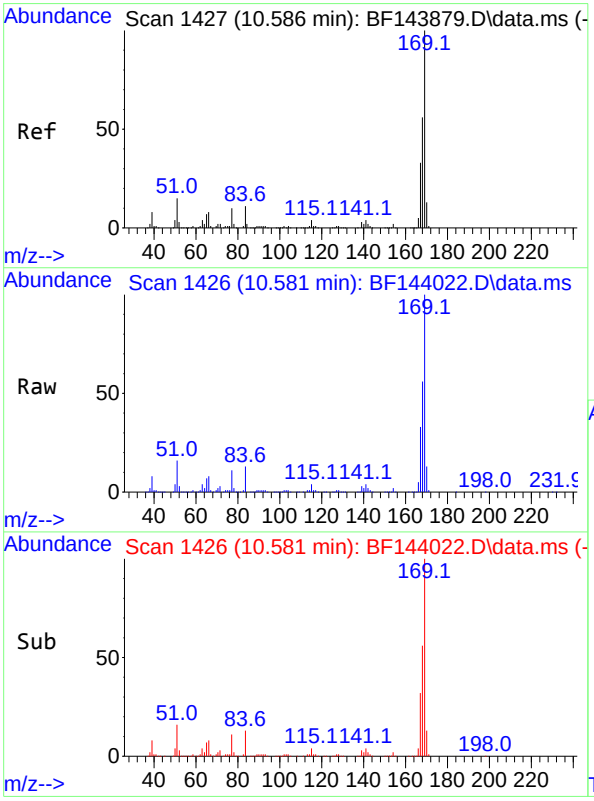
#65
4,6-Dinitro-2-methylphenol
Concen: 59.00 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:198 Resp: 85035

Ion	Ratio	Lower	Upper
198	100		
51	48.8	33.8	73.8
105	37.4	17.0	57.0

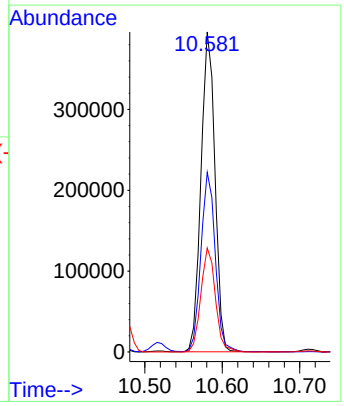


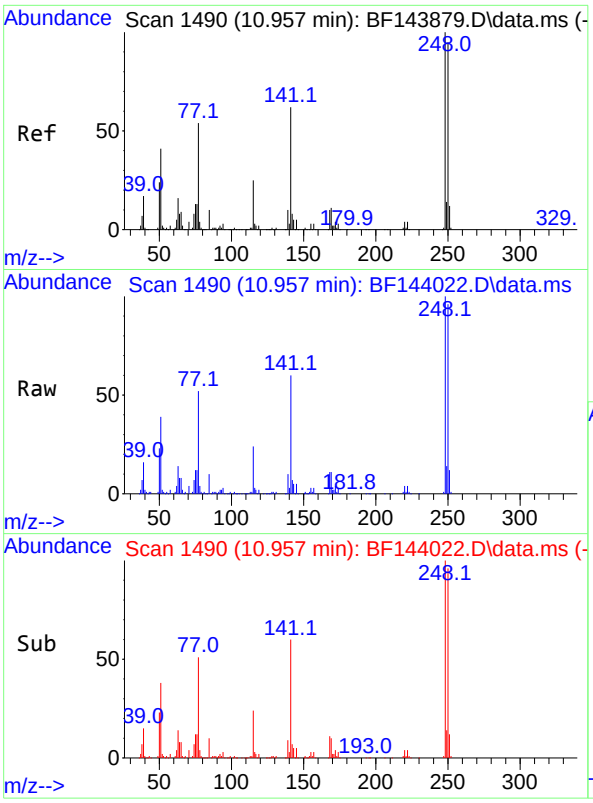


#66
n-Nitrosodiphenylamine
Concen: 54.99 ng
RT: 10.581 min Scan# 1426
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:169 Resp: 495231

Ion	Ratio	Lower	Upper
169	100		
168	56.2	44.9	67.3
167	32.5	26.3	39.5



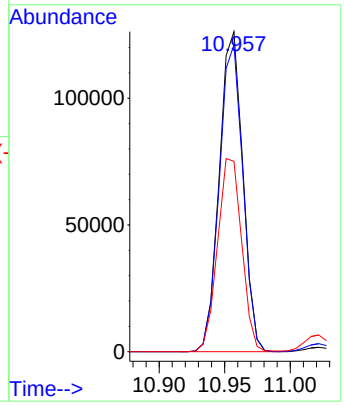


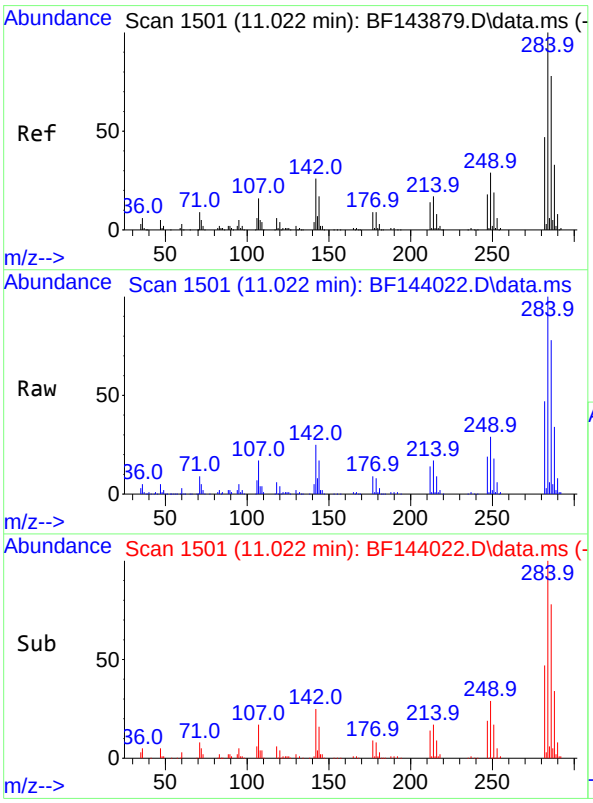
#67
4-Bromophenyl-phenylether
Concen: 49.65 ng
RT: 10.957 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:248 Resp: 157374

Ion	Ratio	Lower	Upper
248	100		
250	96.0	76.3	114.5
141	59.5	49.7	74.5

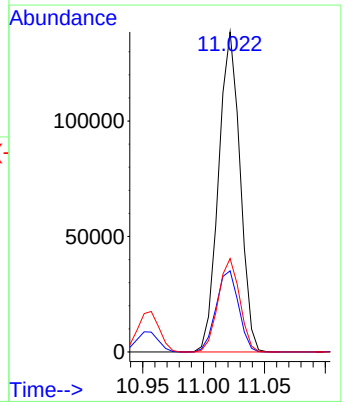


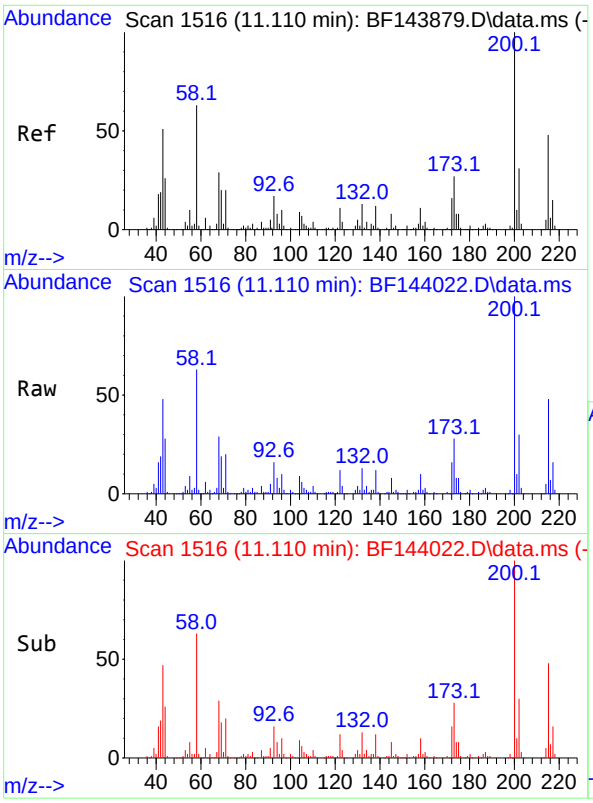


#68
Hexachlorobenzene
Concen: 46.44 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:284 Resp: 170411

Ion	Ratio	Lower	Upper
284	100		
142	25.3	20.6	30.8
249	29.2	23.2	34.8



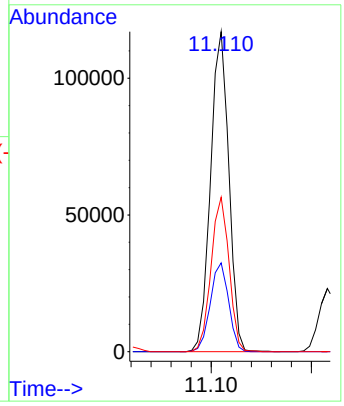


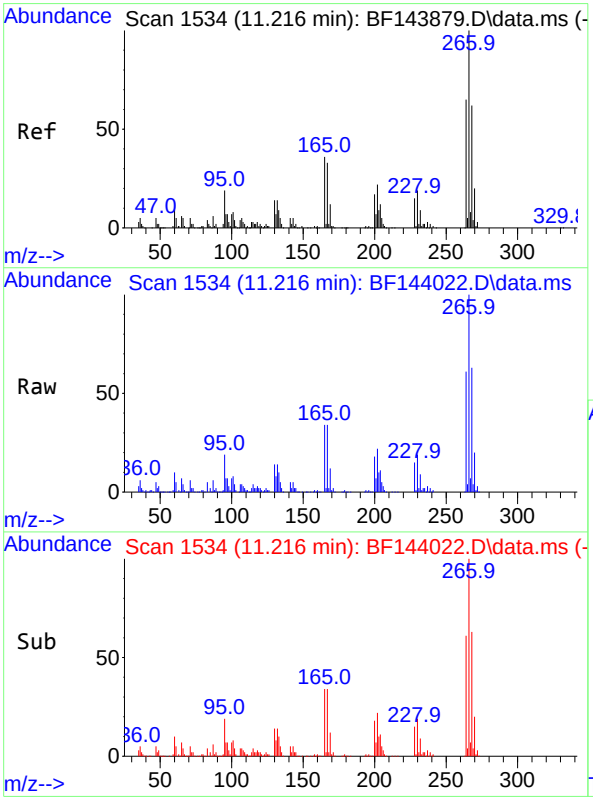
#69
Atrazine
Concen: 54.30 ng
RT: 11.110 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:200 Resp: 148200

Ion	Ratio	Lower	Upper
200	100		
173	27.8	7.0	47.0
215	48.2	27.8	67.8

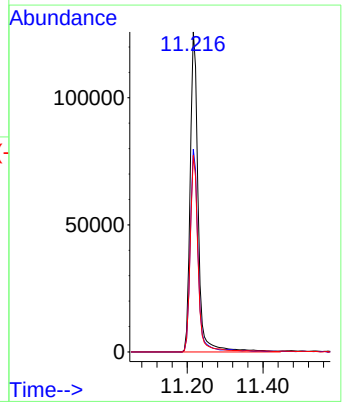


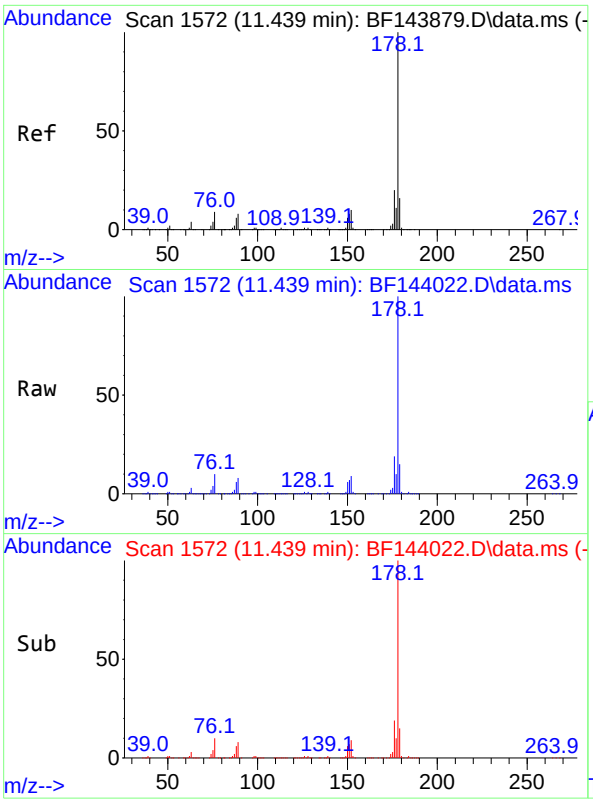


#70
Pentachlorophenol
Concen: 87.07 ng
RT: 11.216 min Scan# 1534
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:266 Resp: 183498

Ion	Ratio	Lower	Upper
266	100		
268	63.4	49.4	74.0
264	61.4	51.8	77.6



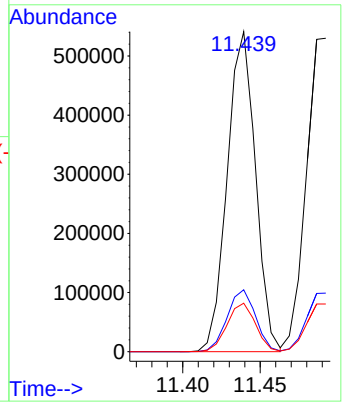


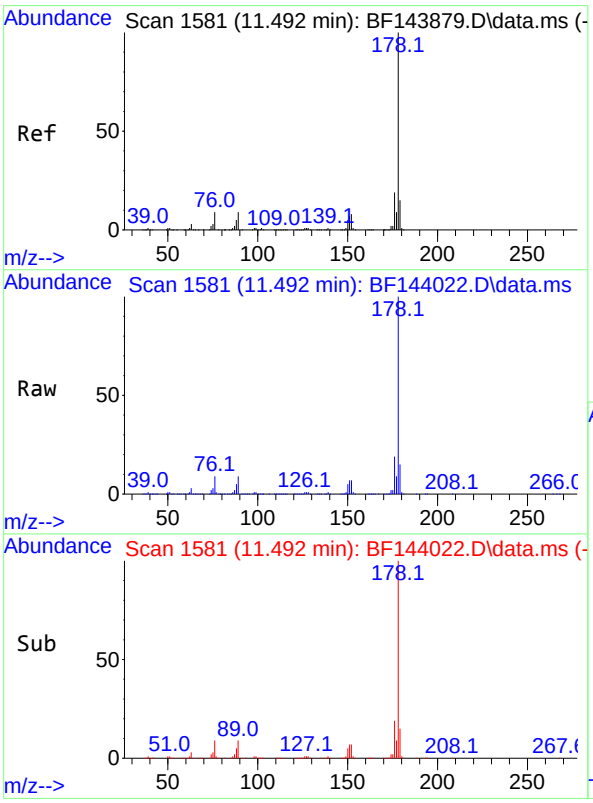
#71
Phenanthrene
Concen: 49.33 ng
RT: 11.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:178 Resp: 685938

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.2	12.4	18.6

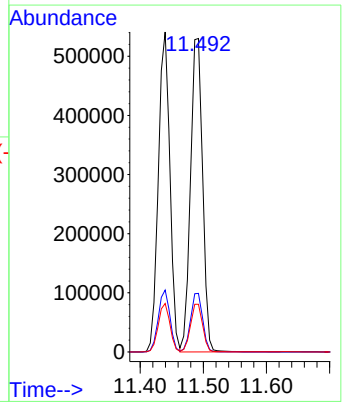


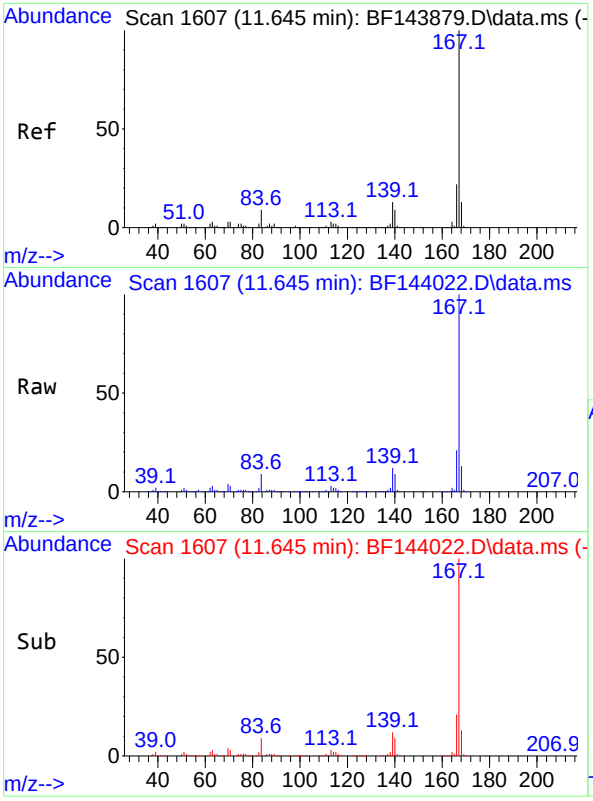


#72
Anthracene
Concen: 50.31 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:178 Resp: 706739

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.2	12.2	18.2



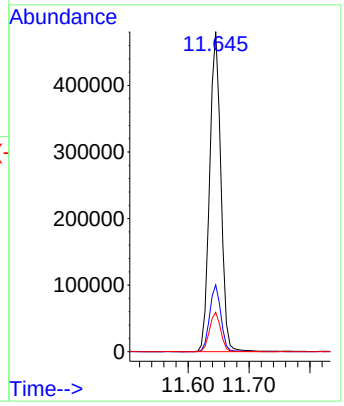


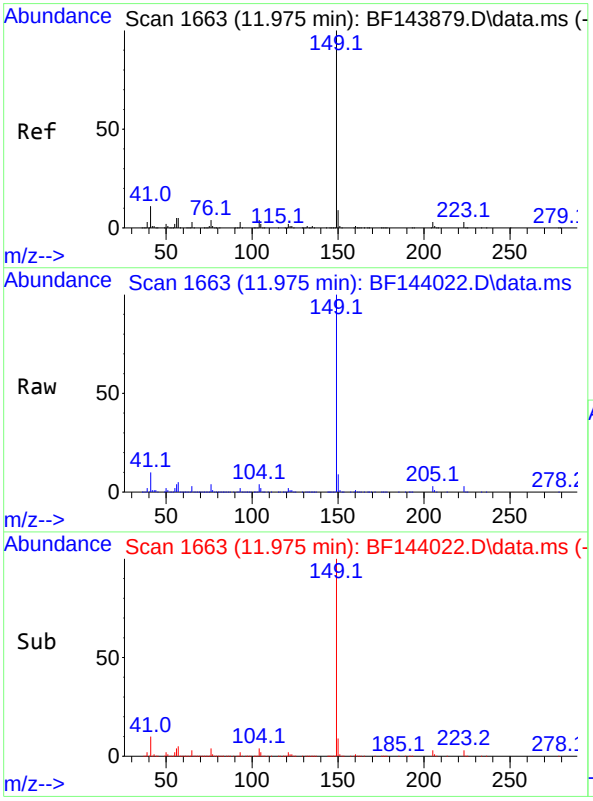
#73
Carbazole
Concen: 49.50 ng
RT: 11.645 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:167 Resp: 615869

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	12.3	10.1	15.1

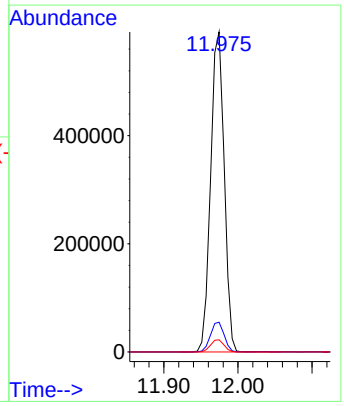


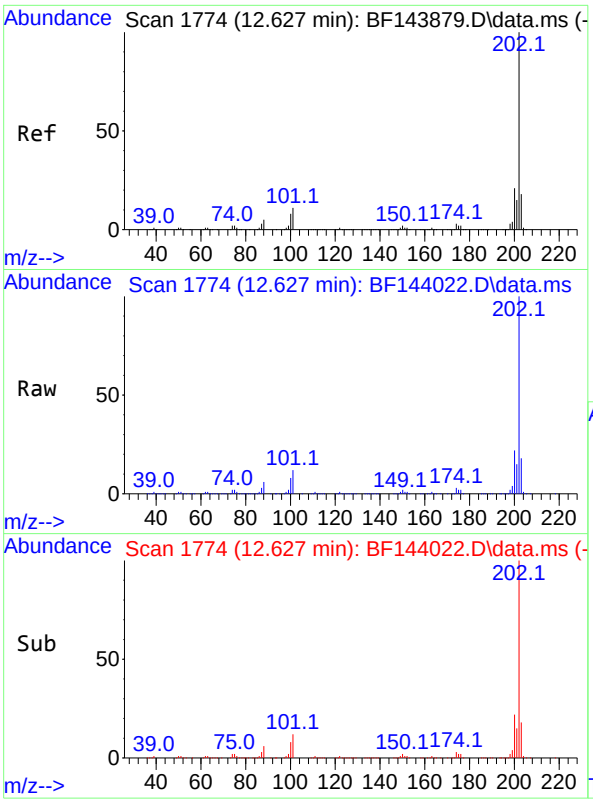


#74
Di-n-butylphthalate
Concen: 52.26 ng
RT: 11.975 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:149 Resp: 753521

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	3.8	3.4	5.2



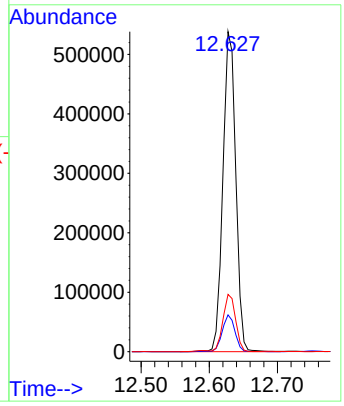


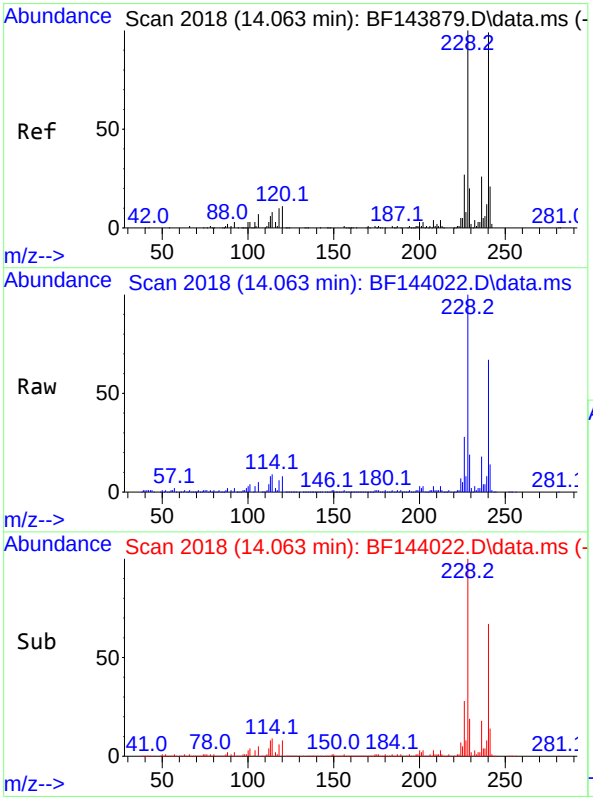
#75
Fluoranthene
Concen: 49.14 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:202 Resp: 705704

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	30.7
203	17.9	0.0	37.8

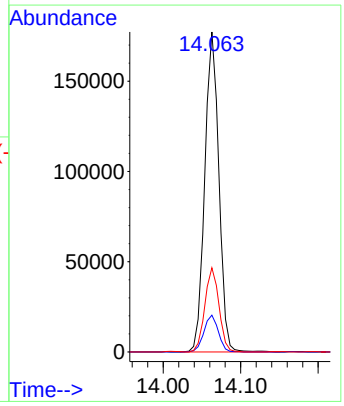


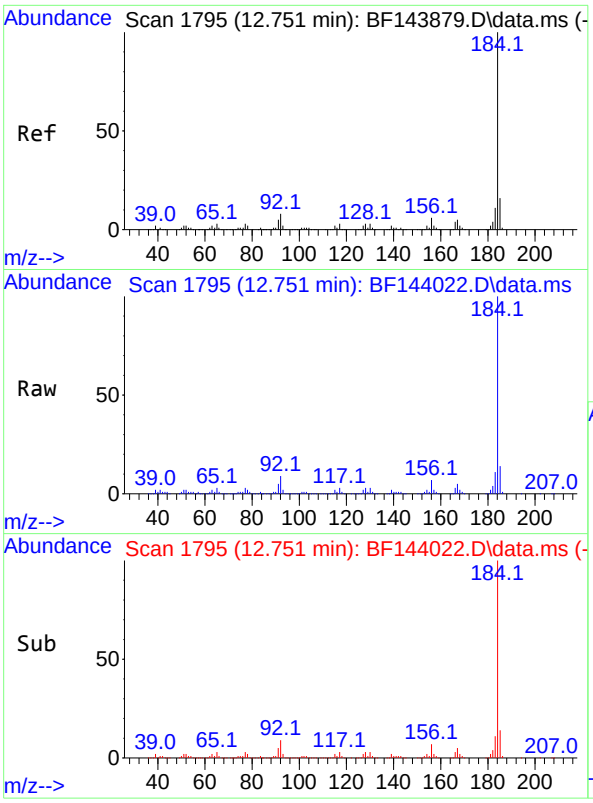


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:240 Resp: 223920

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.6	13.0
236	26.3	21.1	31.7



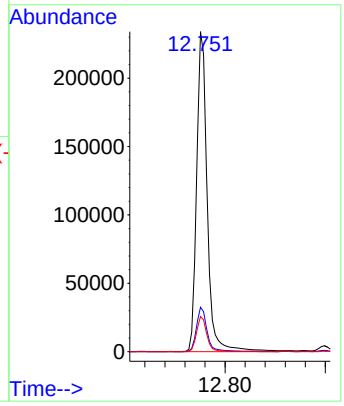


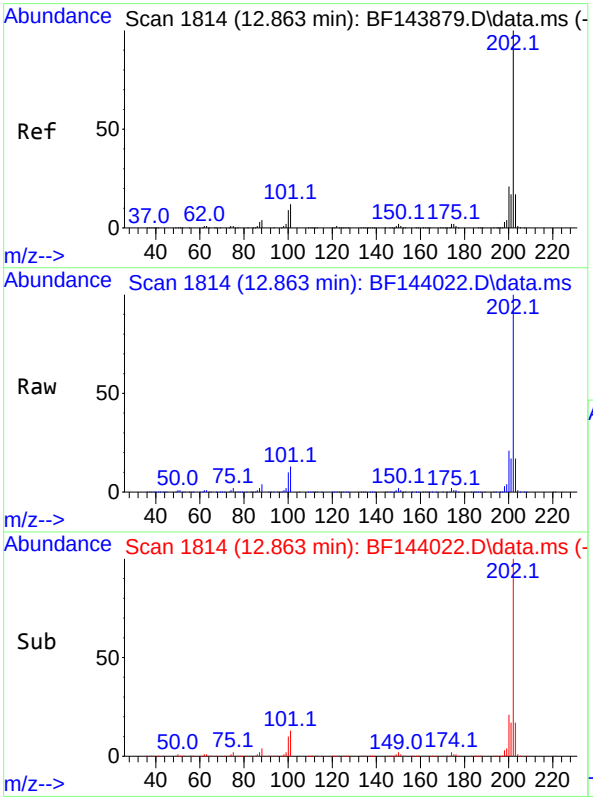
#77
Benzidine
Concen: 43.94 ng
RT: 12.751 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:184 Resp: 341647

Ion	Ratio	Lower	Upper
184	100		
185	13.9	12.6	18.8
183	11.0	8.8	13.2

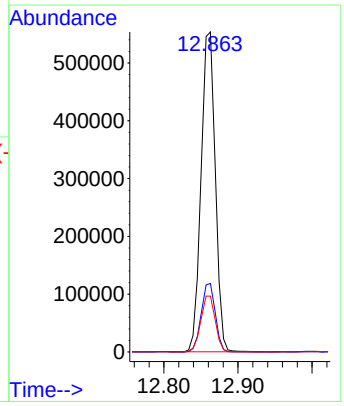


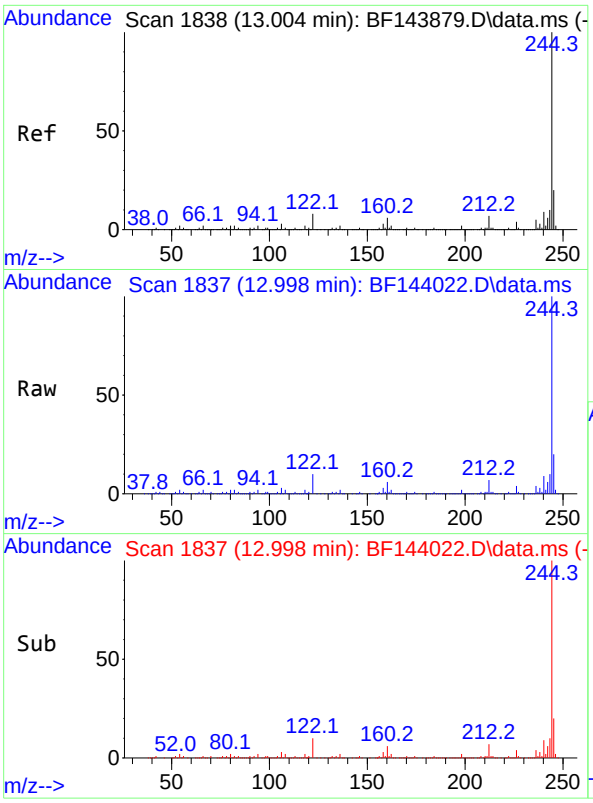


#78
Pyrene
Concen: 39.55 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:202 Resp: 738321

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.0	25.6
203	17.4	13.8	20.6



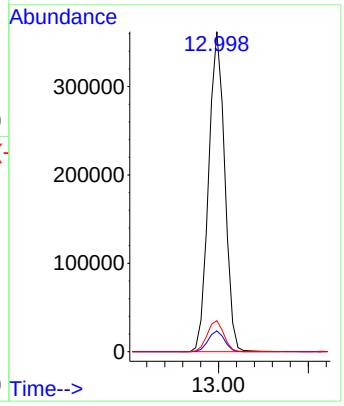


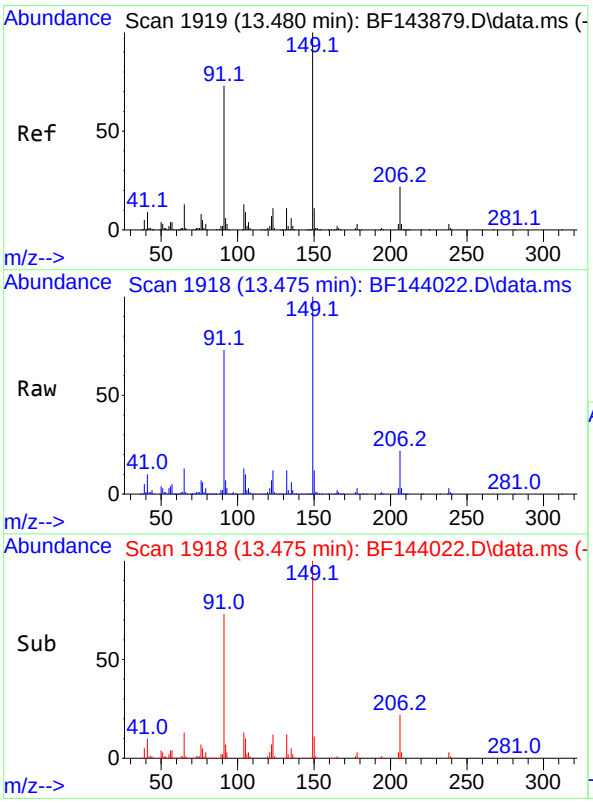
#79
Terphenyl-d14
Concen: 34.37 ng
RT: 12.998 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:244 Resp: 450251

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	9.7	6.4	9.6#

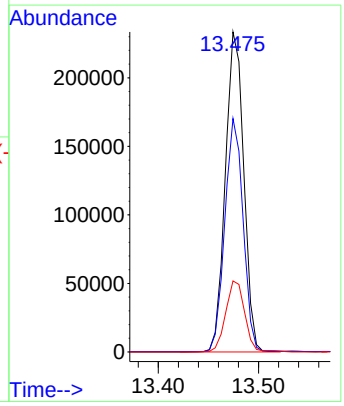


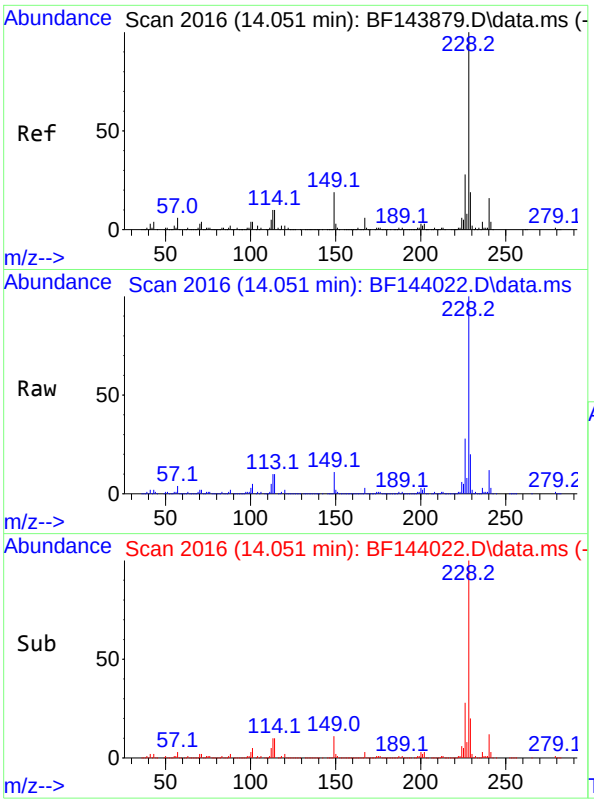


#80
Butylbenzylphthalate
Concen: 49.08 ng
RT: 13.475 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:149 Resp: 297568

Ion	Ratio	Lower	Upper
149	100		
91	72.9	58.2	87.2
206	22.2	17.9	26.9



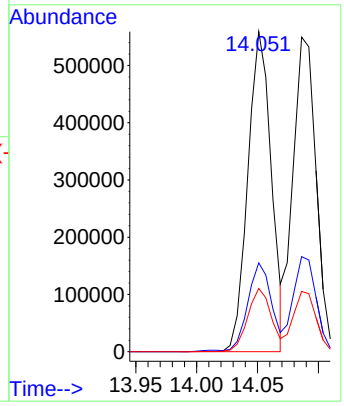


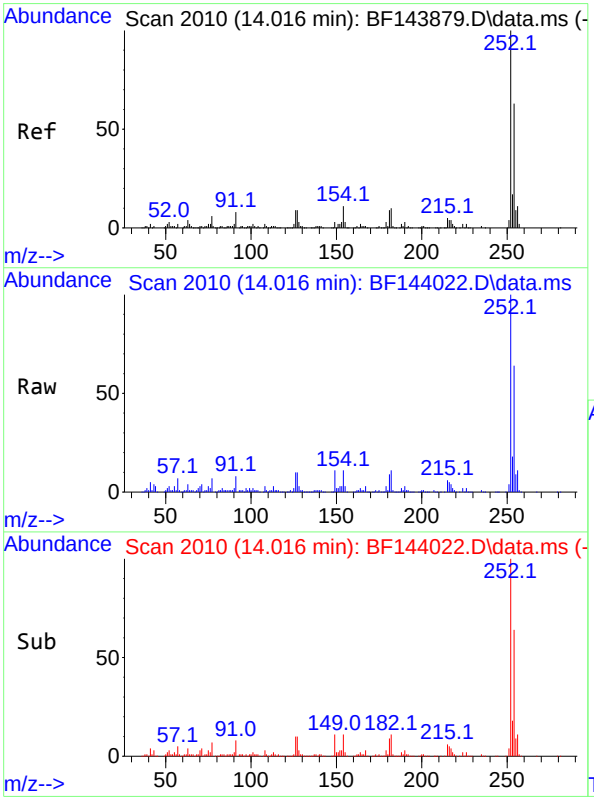
#81
Benzo(a)anthracene
Concen: 51.28 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:228 Resp: 751378

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.2	33.2
229	19.7	15.6	23.4

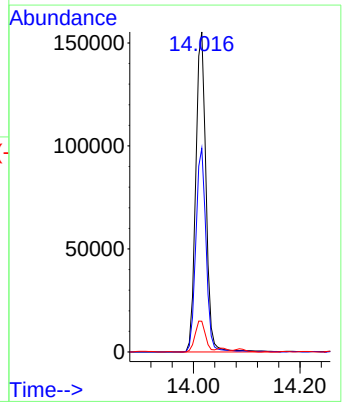


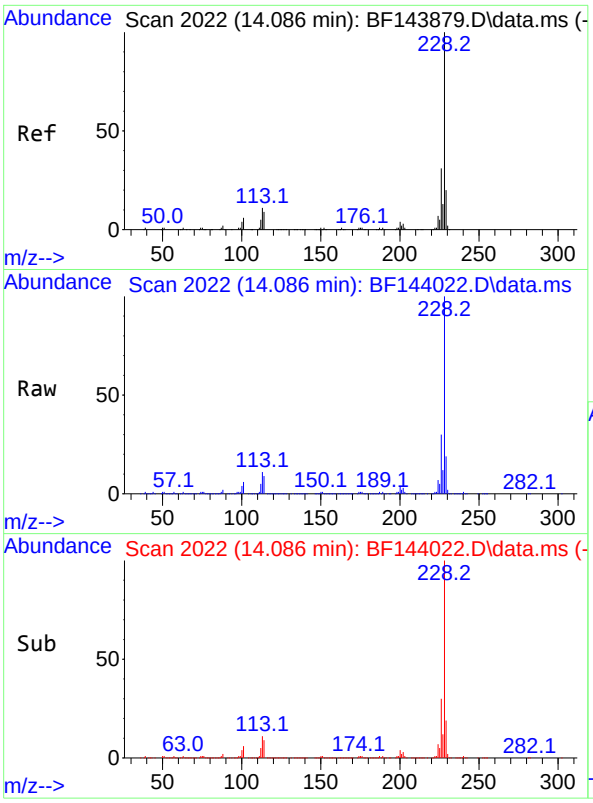


#82
3,3'-Dichlorobenzidine
Concen: 46.53 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:252 Resp: 207789

Ion	Ratio	Lower	Upper
252	100		
254	63.7	50.6	76.0
126	9.6	7.0	10.6



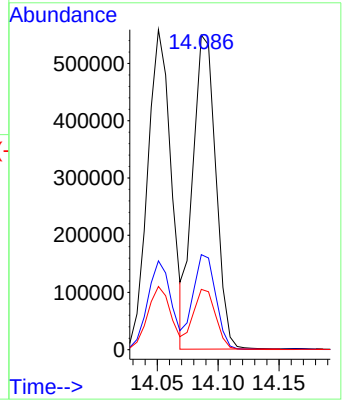


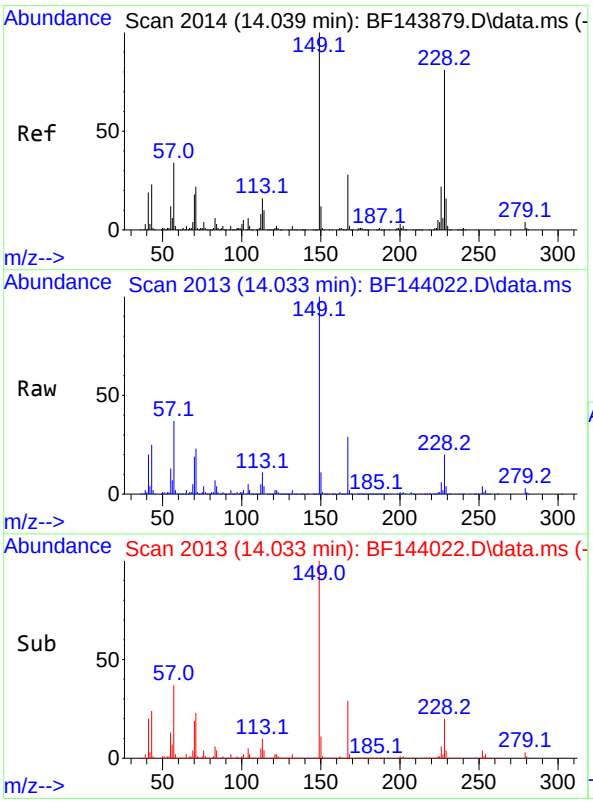
#83
Chrysene
Concen: 53.14 ng
RT: 14.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:228 Resp: 720720

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
229	19.2	15.9	23.9

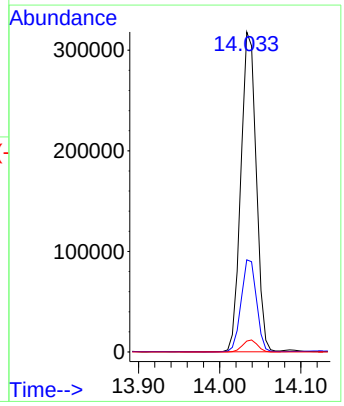


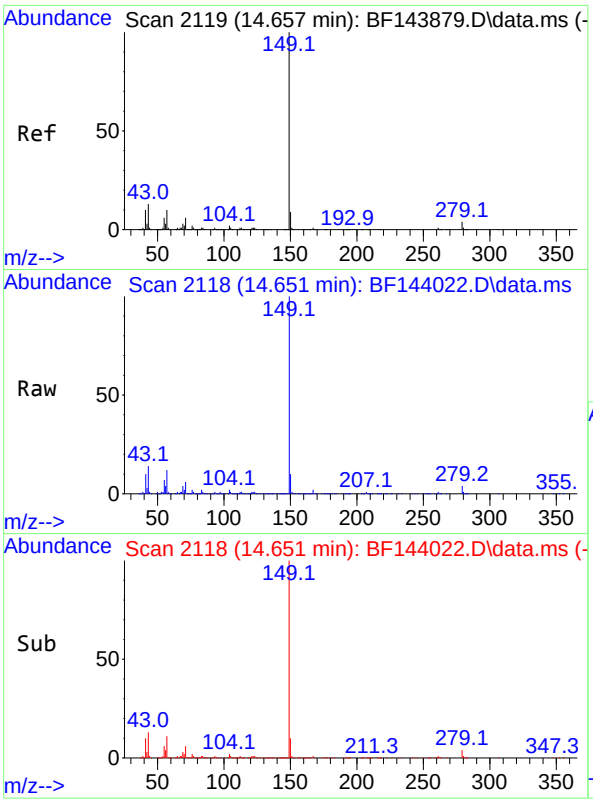


#84
Bis(2-ethylhexyl)phthalate
Concen: 57.15 ng
RT: 14.033 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:149 Resp: 417651

Ion	Ratio	Lower	Upper
149	100		
167	28.8	22.2	33.4
279	3.4	3.1	4.7



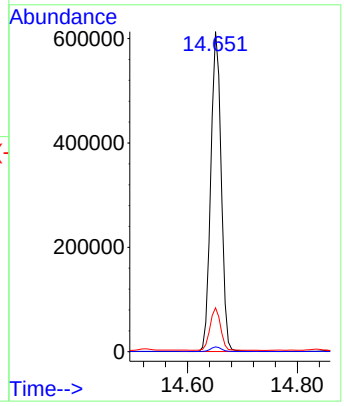


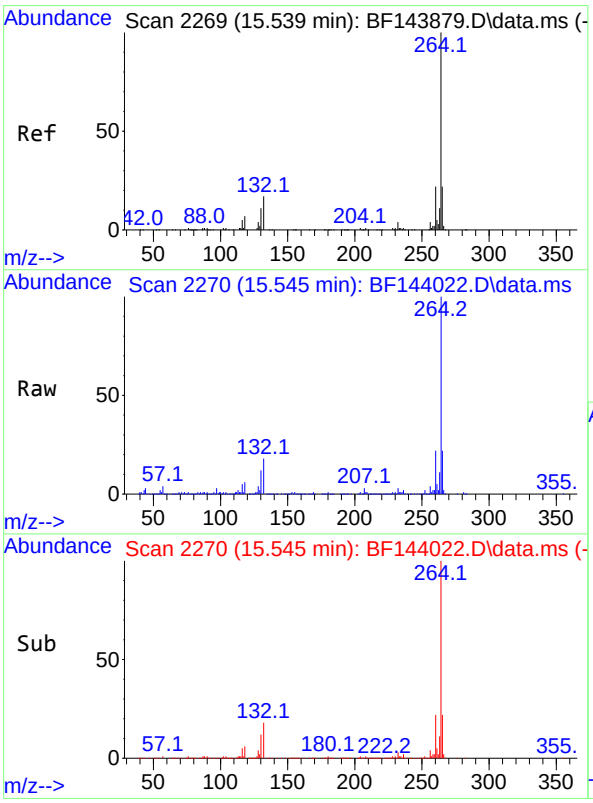
#85
Di-n-octyl phthalate
Concen: 66.97 ng
RT: 14.651 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:149 Resp: 803920

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	13.4	11.0	16.4

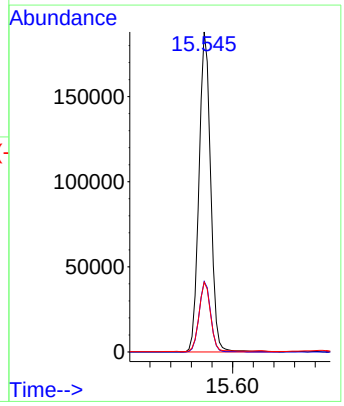


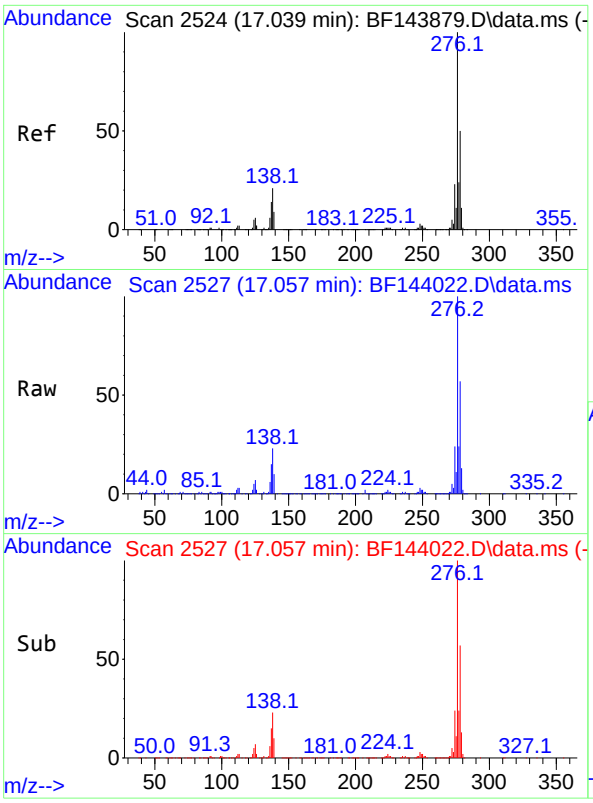


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:264 Resp: 293398

Ion	Ratio	Lower	Upper
264	100		
260	22.0	17.8	26.8
265	21.8	17.5	26.3



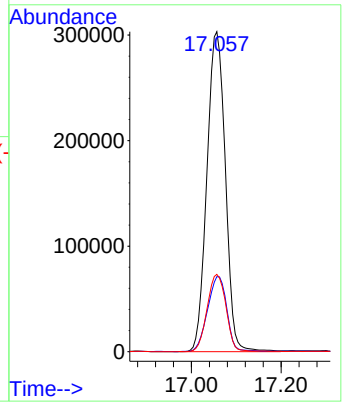


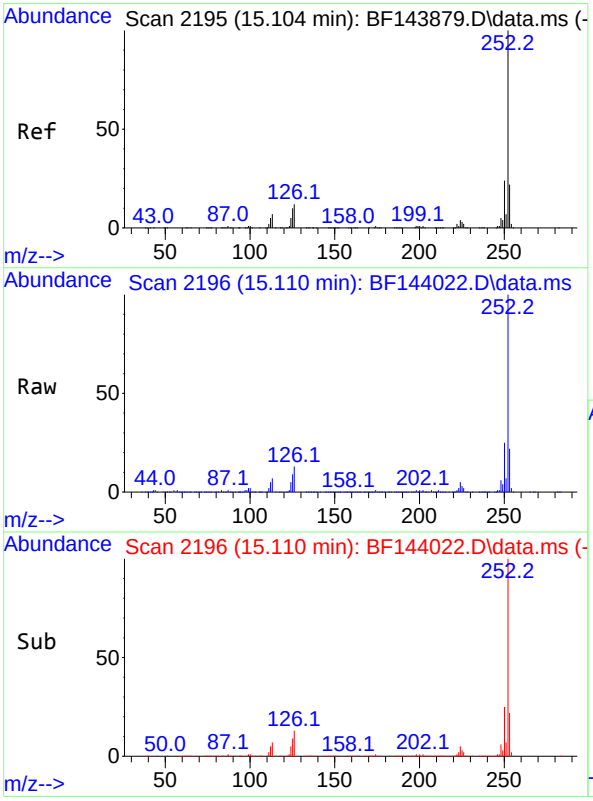
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.20 ng
RT: 17.057 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:276 Resp: 866474

Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.2	27.2
277	24.7	19.8	29.6

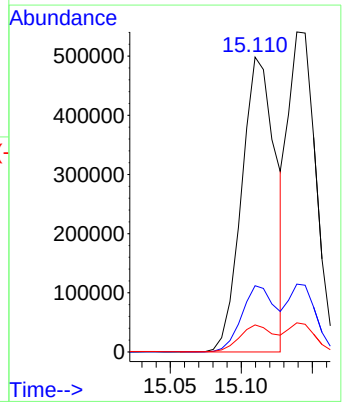


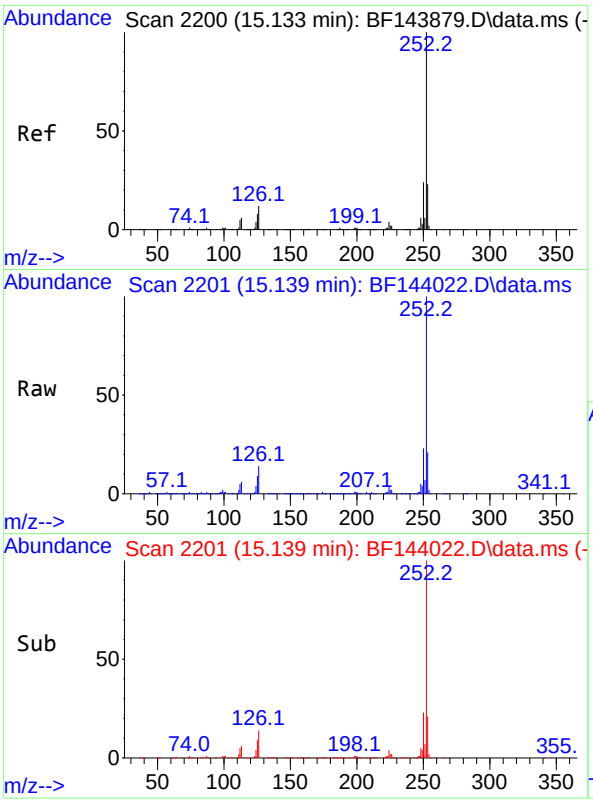


#88
Benzo(b)fluoranthene
Concen: 49.10 ng
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:252 Resp: 827497

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.2
125	9.2	7.8	11.6



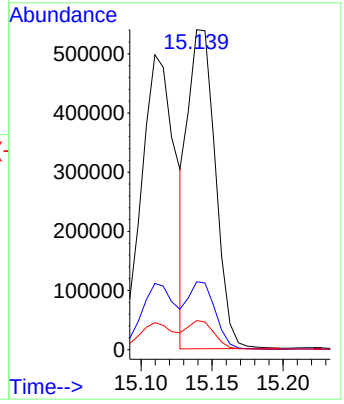


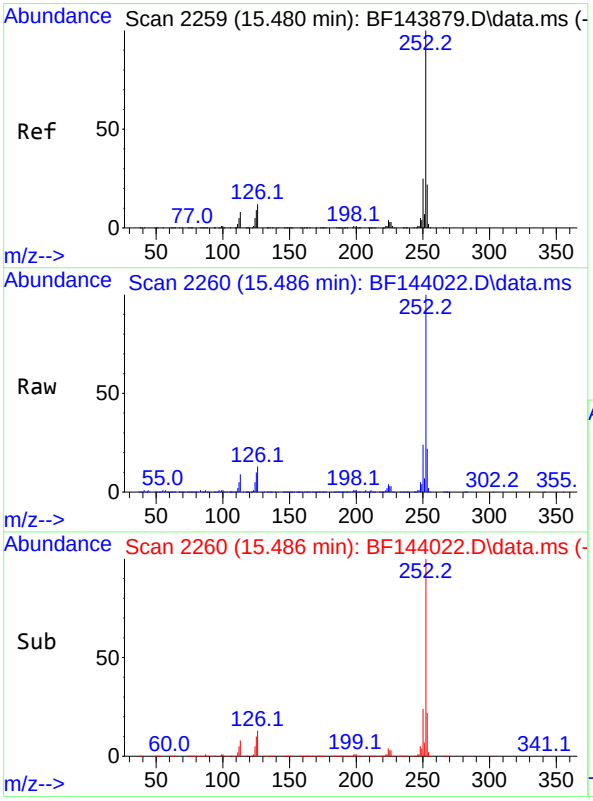
#89
Benzo(k)fluoranthene
Concen: 46.49 ng
RT: 15.139 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:252 Resp: 725032

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.8
125	9.1	7.4	11.2

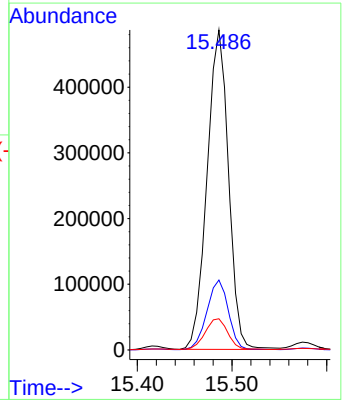


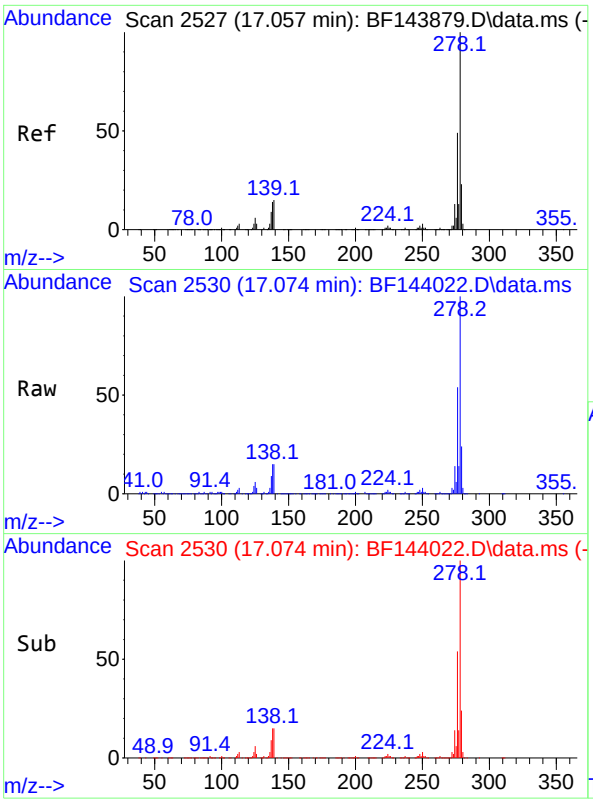


#90
Benzo(a)pyrene
Concen: 52.48 ng
RT: 15.486 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:252 Resp: 766944

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	9.7	7.0	10.4



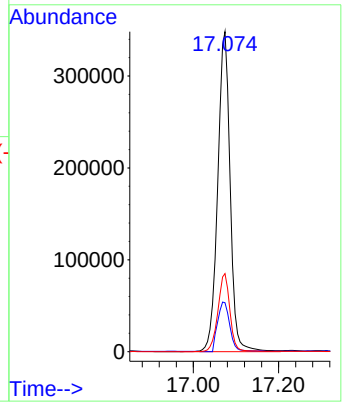


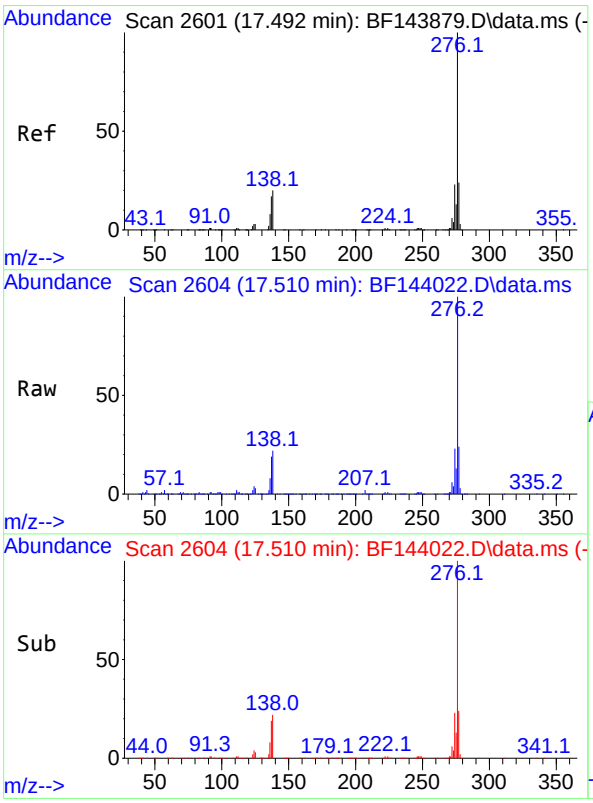
#91
Dibenzo(a,h)anthracene
Concen: 48.81 ng
RT: 17.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Instrument :
BNA_F
ClientSampleId :
41-LBMSD

Tgt Ion:278 Resp: 705803

Ion	Ratio	Lower	Upper
278	100		
139	15.3	11.7	17.5
279	24.4	18.4	27.6

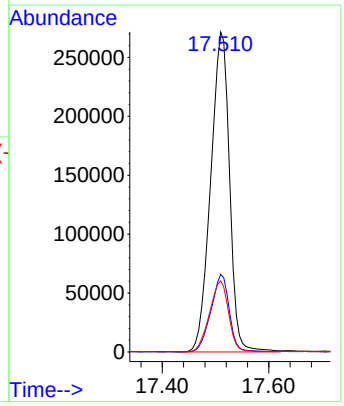




#92
Benzo(g,h,i)perylene
Concen: 46.10 ng
RT: 17.510 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF144022.D
Acq: 21 Oct 2025 19:58

Tgt Ion:276 Resp: 666626

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.6
138	22.2	16.1	24.1



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:	BF102125	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3376-01	BF144028.D	Benzo(b)fluoranthene	rahul	10/22/2025 2:35:17 PM	Jagrut	10/22/2025 2:48:16 PM	Peak Integrated by Software
Q3376-02	BF144029.D	Benzo(b)fluoranthene	rahul	10/22/2025 2:35:21 PM	Jagrut	10/22/2025 2:48:18 PM	Peak Integrated by Software
Q3376-02	BF144029.D	Pyrene	rahul	10/22/2025 2:35:21 PM	Jagrut	10/22/2025 2:48:18 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF102225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB170180BS	BF144034.D	Caprolactam	rahul	10/23/2025 8:15:19 AM	mohammad	10/28/2025 9:38:00 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG102425	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064570.D	1,4-Dichlorobenzene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC005	BG064570.D	1-Methylnaphthalene	rahul	10/27/2025 8:32:20 AM	Jagrut	10/27/2025 12:24:38 PM	Peak Integrated by Software
SSTDICC010	BG064571.D	Benzoic acid	rahul	10/27/2025 8:32:22 AM	Jagrut	10/27/2025 12:24:41 PM	Peak Integrated by Software
SSTDICC020	BG064572.D	Benzoic acid	rahul	10/27/2025 8:32:28 AM	Jagrut	10/27/2025 12:24:43 PM	Peak Integrated by Software
SSTDICCC040	BG064573.D	Benzoic acid	rahul	10/27/2025 8:33:01 AM	Jagrut	10/27/2025 12:24:45 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC060	BG064574.D	Benzoic acid	rahul	10/27/2025 8:33:03 AM	Jagrut	10/27/2025 12:24:48 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC080	BG064575.D	Benzoic acid	rahul	10/27/2025 8:33:07 AM	Jagrut	10/27/2025 12:24:52 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICC050	BG064576.D	Benzoic acid	rahul	10/27/2025 8:33:12 AM	Jagrut	10/27/2025 12:24:54 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	2,4-Dimethylphenol	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software
SSTDICV040	BG064577.D	Benzoic acid	rahul	10/27/2025 8:33:16 AM	Jagrut	10/27/2025 12:24:56 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG102425	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:	BG102825	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064600.D	Benzoic acid	rahul	10/29/2025 8:34:30 AM	Jagrut	10/29/2025 2:59:15 PM	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 # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM				
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM				
SubDirectory	BF102125	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	BF144008.D	21 Oct 2025 12:43	RC/JU	Ok
2	SSTDCCC040	BF144009.D	21 Oct 2025 13:29	RC/JU	Ok
3	PB170166BL	BF144010.D	21 Oct 2025 13:58	RC/JU	Ok
4	PB170166BS	BF144011.D	21 Oct 2025 14:26	RC/JU	Ok,M
5	PB170166BSD	BF144012.D	21 Oct 2025 14:59	RC/JU	Ok,M
6	Q3386-03	BF144013.D	21 Oct 2025 15:33	RC/JU	Ok,M
7	Q3386-04	BF144014.D	21 Oct 2025 16:03	RC/JU	Ok,M
8	Q3375-01	BF144015.D	21 Oct 2025 16:32	RC/JU	Ok
9	Q3375-02	BF144016.D	21 Oct 2025 17:02	RC/JU	Ok
10	Q3375-03	BF144017.D	21 Oct 2025 17:31	RC/JU	Ok
11	Q3375-04	BF144018.D	21 Oct 2025 18:01	RC/JU	Ok
12	Q3375-05	BF144019.D	21 Oct 2025 18:30	RC/JU	Ok
13	Q3402-07	BF144020.D	21 Oct 2025 18:59	RC/JU	Ok
14	Q3402-07MS	BF144021.D	21 Oct 2025 19:28	RC/JU	Ok
15	Q3402-07MSD	BF144022.D	21 Oct 2025 19:58	RC/JU	Ok
16	Q3402-10	BF144023.D	21 Oct 2025 20:27	RC/JU	Ok,M
17	Q3403-01	BF144024.D	21 Oct 2025 20:56	RC/JU	Ok,M
18	Q3397-01	BF144025.D	21 Oct 2025 21:25	RC/JU	Ok
19	Q3402-04	BF144026.D	21 Oct 2025 21:55	RC/JU	Ok
20	Q3402-01	BF144027.D	21 Oct 2025 22:24	RC/JU	Ok,M
21	Q3376-01	BF144028.D	21 Oct 2025 22:53	RC/JU	Ok,M

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 # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM				
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM				
SubDirectory	BF102125	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	

22	Q3376-02	BF144029.D	21 Oct 2025 23:22	RC/JU	Ok,M
23	Q3393-02	BF144030.D	21 Oct 2025 23:51	RC/JU	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 # BF102225

Review By	rahul	Review On	10/28/2025 9:35:43 AM				
Supervise By	mohammad	Supervise On	10/28/2025 9:38:00 AM				
SubDirectory	BF102225	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	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF144031.D	22 Oct 2025 09:26	RC/JU	Ok
2	SSTDCCC040	BF144032.D	22 Oct 2025 10:25	RC/JU	Ok
3	PB170180BL	BF144033.D	22 Oct 2025 10:54	RC/JU	Ok
4	PB170180BS	BF144034.D	22 Oct 2025 11:23	RC/JU	Ok,M
5	Q3393-05	BF144035.D	22 Oct 2025 11:57	RC/JU	Ok
6	Q3393-01	BF144036.D	22 Oct 2025 12:26	RC/JU	Ok
7	Q3393-04	BF144037.D	22 Oct 2025 12:55	RC/JU	Ok
8	Q3393-03	BF144038.D	22 Oct 2025 13:24	RC/JU	Ok
9	Q3376-03	BF144039.D	22 Oct 2025 13:53	RC/JU	Ok
10	Q3376-04	BF144040.D	22 Oct 2025 14:22	RC/JU	Ok
11	Q3376-05	BF144041.D	22 Oct 2025 14:51	RC/JU	ReRun
12	Q3392-08RE	BF144042.D	22 Oct 2025 15:20	RC/JU	Confirms
13	Q3399-01	BF144043.D	22 Oct 2025 15:49	RC/JU	Ok
14	Q3404-01	BF144044.D	22 Oct 2025 16:18	RC/JU	ReRun
15	Q3399-01MS	BF144045.D	22 Oct 2025 16:48	RC/JU	Ok
16	Q3399-01MSD	BF144046.D	22 Oct 2025 17:17	RC/JU	Ok
17	Q3416-01	BF144047.D	22 Oct 2025 17:46	RC/JU	ReRun
18	Q3403-04	BF144048.D	22 Oct 2025 18:15	RC/JU	Ok
19	Q3412-04	BF144049.D	22 Oct 2025 18:45	RC/JU	ReRun
20	Q3404-04	BF144050.D	22 Oct 2025 19:14	RC/JU	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 # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064568.D	24 Oct 2025 8:20	RC/JU	Ok
2	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00	RC/JU	Ok
3	SSTDICC005	BG064570.D	24 Oct 2025 9:41	RC/JU	Ok,M
4	SSTDICC010	BG064571.D	24 Oct 2025 11:02	RC/JU	Ok,M
5	SSTDICC020	BG064572.D	24 Oct 2025 12:23	RC/JU	Ok,M
6	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	RC/JU	Ok,M
7	SSTDICC060	BG064574.D	24 Oct 2025 13:44	RC/JU	Ok,M
8	SSTDICC080	BG064575.D	24 Oct 2025 14:24	RC/JU	Ok,M
9	SSTDICC050	BG064576.D	24 Oct 2025 15:32	RC/JU	Ok,M
10	SSTDICV040	BG064577.D	24 Oct 2025 16:47	RC/JU	Ok,M
11	PB170222BL	BG064578.D	24 Oct 2025 17:28	RC/JU	Not Ok
12	Q3405-02	BG064579.D	24 Oct 2025 18:08	RC/JU	Ok
13	Q3405-03	BG064580.D	24 Oct 2025 18:49	RC/JU	Ok
14	Q3405-04	BG064581.D	24 Oct 2025 19:30	RC/JU	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 # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM				
Supervise By	Jagrut	Supervise On	10/29/2025 3:21:32 PM				
SubDirectory	BG102825	HP Acquire Method	BNA_G		HP Processing Method	BG102425	

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064599.D	28 Oct 2025 13:05	RC/JU	Ok
2	SSTDCCC040	BG064600.D	28 Oct 2025 13:45	RC/JU	Ok,M
3	PB170239TB	BG064601.D	28 Oct 2025 14:26	RC/JU	Ok
4	Q3460-16	BG064602.D	28 Oct 2025 15:10	RC/JU	Ok
5	Q3460-20	BG064603.D	28 Oct 2025 15:51	RC/JU	Ok
6	Q3452-04	BG064604.D	28 Oct 2025 16:32	RC/JU	Ok
7	Q3451-04	BG064605.D	28 Oct 2025 17:13	RC/JU	Ok
8	Q3419-05	BG064606.D	28 Oct 2025 17:54	RC/JU	Ok,M
9	Q3427-01	BG064607.D	28 Oct 2025 18:35	RC/JU	Ok,M
10	Q3452-01	BG064608.D	28 Oct 2025 19:16	RC/JU	Ok,M
11	Q3376-05	BG064609.D	28 Oct 2025 19:57	RC/JU	Ok
12	Q3451-05	BG064610.D	28 Oct 2025 20:37	RC/JU	Ok,M
13	Q3460-05	BG064611.D	28 Oct 2025 21:18	RC/JU	Ok
14	Q3460-01	BG064612.D	28 Oct 2025 21:59	RC/JU	Ok
15	Q3460-13	BG064613.D	28 Oct 2025 22:39	RC/JU	Ok,M
16	Q3460-17	BG064614.D	28 Oct 2025 23:20	RC/JU	Not Ok
17	Q3457-01	BG064615.D	29 Oct 2025 00:01	RC/JU	Ok,M
18	Q3465-01	BG064616.D	29 Oct 2025 00:41	RC/JU	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 # 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 # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM		
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM		
SubDirectory	BF102125	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	BF144008.D	21 Oct 2025 12:43		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144009.D	21 Oct 2025 13:29		RC/JU	Ok
3	PB170166BL	PB170166BL	BF144010.D	21 Oct 2025 13:58		RC/JU	Ok
4	PB170166BS	PB170166BS	BF144011.D	21 Oct 2025 14:26		RC/JU	Ok,M
5	PB170166BSD	PB170166BSD	BF144012.D	21 Oct 2025 14:59		RC/JU	Ok,M
6	Q3386-03	3443	BF144013.D	21 Oct 2025 15:33	Internal standard fail	RC/JU	Ok,M
7	Q3386-04	3444	BF144014.D	21 Oct 2025 16:03		RC/JU	Ok,M
8	Q3375-01	PR132-S02-074099-20	BF144015.D	21 Oct 2025 16:32		RC/JU	Ok
9	Q3375-02	PR132-S04-000013-20	BF144016.D	21 Oct 2025 17:02		RC/JU	Ok
10	Q3375-03	PR132-S05-000057-20	BF144017.D	21 Oct 2025 17:31		RC/JU	Ok
11	Q3375-04	PR132-S02-010074-20	BF144018.D	21 Oct 2025 18:01		RC/JU	Ok
12	Q3375-05	PR132-DP02-20251016	BF144019.D	21 Oct 2025 18:30		RC/JU	Ok
13	Q3402-07	41-LB	BF144020.D	21 Oct 2025 18:59		RC/JU	Ok
14	Q3402-07MS	41-LBMS	BF144021.D	21 Oct 2025 19:28		RC/JU	Ok
15	Q3402-07MSD	41-LBMSD	BF144022.D	21 Oct 2025 19:58		RC/JU	Ok
16	Q3402-10	41-RB	BF144023.D	21 Oct 2025 20:27		RC/JU	Ok,M
17	Q3403-01	MH-18	BF144024.D	21 Oct 2025 20:56		RC/JU	Ok,M
18	Q3397-01	TP-7-WC	BF144025.D	21 Oct 2025 21:25		RC/JU	Ok

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 # BF102125

Review By	rahul	Review On	10/22/2025 2:35:54 PM		
Supervise By	Jagrut	Supervise On	10/22/2025 2:50:46 PM		
SubDirectory	BF102125	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	

19	Q3402-04	41-RA	BF144026.D	21 Oct 2025 21:55		RC/JU	Ok
20	Q3402-01	41-LA	BF144027.D	21 Oct 2025 22:24		RC/JU	Ok,M
21	Q3376-01	PR132-S05-057082-20	BF144028.D	21 Oct 2025 22:53		RC/JU	Ok,M
22	Q3376-02	PR132-DP01-20251016	BF144029.D	21 Oct 2025 23:22		RC/JU	Ok,M
23	Q3393-02	PR132-S10-022047-20	BF144030.D	21 Oct 2025 23:51		RC/JU	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 # BF102225

Review By	rahul	Review On	10/28/2025 9:35:43 AM		
Supervise By	mohammad	Supervise On	10/28/2025 9:38:00 AM		
SubDirectory	BF102225	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	S13179,10ul/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	BF144031.D	22 Oct 2025 09:26		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF144032.D	22 Oct 2025 10:25	CCC fail high side for com. #92	RC/JU	Ok
3	PB170180BL	PB170180BL	BF144033.D	22 Oct 2025 10:54		RC/JU	Ok
4	PB170180BS	PB170180BS	BF144034.D	22 Oct 2025 11:23		RC/JU	Ok,M
5	Q3393-05	PR132-S08-000013-20	BF144035.D	22 Oct 2025 11:57		RC/JU	Ok
6	Q3393-01	PR132-S10-000022-20	BF144036.D	22 Oct 2025 12:26		RC/JU	Ok
7	Q3393-04	PR132-S06-000021-20	BF144037.D	22 Oct 2025 12:55		RC/JU	Ok
8	Q3393-03	PR132-S08-013038-20	BF144038.D	22 Oct 2025 13:24		RC/JU	Ok
9	Q3376-03	PR132-COMP2-20251(	BF144039.D	22 Oct 2025 13:53		RC/JU	Ok
10	Q3376-04	PR132-S12-047072-20	BF144040.D	22 Oct 2025 14:22		RC/JU	Ok
11	Q3376-05	PR132-S12-020047-20	BF144041.D	22 Oct 2025 14:51	Internal standard fail	RC/JU	ReRun
12	Q3392-08RE	MH-19RE	BF144042.D	22 Oct 2025 15:20	Internal Standard Fail	RC/JU	Confirms
13	Q3399-01	COMP-ROLLOFF	BF144043.D	22 Oct 2025 15:49	Internal Standard Fail- confirmed in MS & MSD.	RC/JU	Ok
14	Q3404-01	MOO-25-0285-0288	BF144044.D	22 Oct 2025 16:18	Internal standard fail	RC/JU	ReRun
15	Q3399-01MS	COMP-ROLLOFFMS	BF144045.D	22 Oct 2025 16:48	Internal standard fail	RC/JU	Ok
16	Q3399-01MSD	COMP-ROLLOFFMSD	BF144046.D	22 Oct 2025 17:17	Internal standard fail	RC/JU	Ok
17	Q3416-01	NB-08-10212025	BF144047.D	22 Oct 2025 17:46	Internal standard fail	RC/JU	ReRun

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 # BF102225

Review By	rahul	Review On	10/28/2025 9:35:43 AM		
Supervise By	mohammad	Supervise On	10/28/2025 9:38:00 AM		
SubDirectory	BF102225	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	S13179,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3403-04	MH-18	BF144048.D	22 Oct 2025 18:15	Internal standard fail	RC/JU	Ok
19	Q3412-04	TP-6	BF144049.D	22 Oct 2025 18:45	Internal Standard Fail	RC/JU	ReRun
20	Q3404-04	MOO-25-0292	BF144050.D	22 Oct 2025 19:14	Internal Standard Fail	RC/JU	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 # BG102425

Review By	rahul	Review On	10/27/2025 10:16:00 AM		
Supervise By	Jagrut	Supervise On	10/27/2025 12:25:10 PM		
SubDirectory	BG102425	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13179,10ul/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	BG064568.D	24 Oct 2025 8:20		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064569.D	24 Oct 2025 9:00		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064570.D	24 Oct 2025 9:41		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064571.D	24 Oct 2025 11:02		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BG064572.D	24 Oct 2025 12:23		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064573.D	24 Oct 2025 13:03	Compound #26,32,48,51,54,57,65 are kept on LR	RC/JU	Ok,M
7	SSTDICC060	SSTDICC060	BG064574.D	24 Oct 2025 13:44		RC/JU	Ok,M
8	SSTDICC080	SSTDICC080	BG064575.D	24 Oct 2025 14:24		RC/JU	Ok,M
9	SSTDICC050	SSTDICC050	BG064576.D	24 Oct 2025 15:32		RC/JU	Ok,M
10	SSTDICV040	ICVBG102425	BG064577.D	24 Oct 2025 16:47	compound #77 failed in the ICV.	RC/JU	Ok,M
11	PB170222BL	PB170222BL	BG064578.D	24 Oct 2025 17:28	Analyzed for contamination check	RC/JU	Not Ok
12	Q3405-02	PAD-10-20-25-B	BG064579.D	24 Oct 2025 18:08		RC/JU	Ok
13	Q3405-03	PAD-10-20-25-C	BG064580.D	24 Oct 2025 18:49		RC/JU	Ok
14	Q3405-04	SW-10-20-25	BG064581.D	24 Oct 2025 19:30		RC/JU	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 # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM		
Supervise By	Jagrut	Supervise On	10/29/2025 3:21:32 PM		
SubDirectory	BG102825	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/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	BG064599.D	28 Oct 2025 13:05		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064600.D	28 Oct 2025 13:45		RC/JU	Ok,M
3	PB170239TB	PB170239TB	BG064601.D	28 Oct 2025 14:26		RC/JU	Ok
4	Q3460-16	WC-4	BG064602.D	28 Oct 2025 15:10		RC/JU	Ok
5	Q3460-20	WC-5	BG064603.D	28 Oct 2025 15:51		RC/JU	Ok
6	Q3452-04	JB-1	BG064604.D	28 Oct 2025 16:32		RC/JU	Ok
7	Q3451-04	TP-11	BG064605.D	28 Oct 2025 17:13		RC/JU	Ok
8	Q3419-05	PR132-S16-094119-20	BG064606.D	28 Oct 2025 17:54		RC/JU	Ok,M
9	Q3427-01	TP-8	BG064607.D	28 Oct 2025 18:35		RC/JU	Ok,M
10	Q3452-01	JB-1	BG064608.D	28 Oct 2025 19:16		RC/JU	Ok,M
11	Q3376-05	PR132-S12-020047-20	BG064609.D	28 Oct 2025 19:57		RC/JU	Ok
12	Q3451-05	TP-12	BG064610.D	28 Oct 2025 20:37		RC/JU	Ok,M
13	Q3460-05	WC-2	BG064611.D	28 Oct 2025 21:18		RC/JU	Ok
14	Q3460-01	WC-1	BG064612.D	28 Oct 2025 21:59		RC/JU	Ok
15	Q3460-13	WC-4	BG064613.D	28 Oct 2025 22:39		RC/JU	Ok,M
16	Q3460-17	WC-5	BG064614.D	28 Oct 2025 23:20	Need Straight Run	RC/JU	Not Ok
17	Q3457-01	TR-05-102425	BG064615.D	29 Oct 2025 00:01		RC/JU	Ok,M
18	Q3465-01	SU-03-10242025	BG064616.D	29 Oct 2025 00:41		RC/JU	Ok

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 # BG102825

Review By	rahul	Review On	10/28/2025 3:29:34 PM		
Supervise By	Jagrut	Supervise On	10/29/2025 3:21:32 PM		
SubDirectory	BG102825	HP Acquire Method	BNA_G	HP Processing Method	BG102425

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13180,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB137576

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
Q3373-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q3373-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q3373-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q3373-08	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q3373-09	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q3373-10	PEST -GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q3374-01	TP-4-WC	7	1.15	10.69	11.84	10.25	85.1	
Q3374-02	TP-4-WC-EPH	8	1.11	10.86	11.97	11.38	94.6	
Q3374-03	TP-4-WC-VOC	9	1.15	10.45	11.6	10.31	87.7	
Q3374-05	TP-5-WC	10	1.13	10.30	11.43	10.72	93.1	
Q3374-06	TP-5-WC-EPH	11	1.17	10.34	11.51	9.95	84.9	
Q3374-07	TP-5-WC-VOC	12	1.18	10.94	12.12	11.19	91.5	
Q3375-01	PR132-S02-074099-20251016	13	1.12	10.21	11.33	8.19	69.2	
Q3375-02	PR132-S04-000013-20251016	14	1.15	10.84	11.99	9.25	74.7	
Q3375-03	PR132-S05-000057-20251016	15	1.16	10.58	11.74	8.22	66.7	
Q3375-04	PR132-S02-010074-20251016	16	1.14	10.34	11.48	6.86	55.3	
Q3375-05	PR132-DP02-074099-20251016	17	1.15	10.84	11.99	8.38	66.7	
Q3376-01	PR132-S05-057082-20251016	18	1.13	10.84	11.97	6.93	53.5	
Q3376-02	PR132-DP01-20251016	19	1.16	10.07	11.23	6.56	53.6	
Q3376-03	PR132-COMP2-20251016	20	1.11	10.13	11.24	6.45	52.7	
Q3376-04	PR132-S12-047072-20251016	21	1.15	10.70	11.85	6.64	51.3	
Q3376-05	PR132-S12-020047-20251016	22	1.13	10.49	11.62	8.14	66.8	
Q3381-01	VNJ-222	23	1.18	10.38	11.56	10.46	89.4	
Q3381-03	VNJ-245	24	1.18	10.64	11.82	9.86	81.6	
Q3381-05	RBR200059	25	1.11	10.71	11.82	10.6	88.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: rubina
Date: 10/20/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:25
In Date: 10/17/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN #1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 09:25
Out Date: 10/18/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC: LB137576

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
Q3381-07	VNJ-255	26	1.16	10.11	11.27	10.51	92.5	
Q3382-01	CENTRAL-AVE-TP	27	1.14	10.73	11.87	10.25	84.9	
Q3382-02	CENTRAL-AVE-TP-EPH-2	28	1.16	10.81	11.97	9.78	79.7	
Q3383-01	OR-03-101725	29	1.13	10.60	11.73	10.88	92.0	
Q3383-02	OR-03-101725-E2	30	1.14	10.91	12.05	11.07	91.0	
Q3386-01	237	38	1.15	10.68	11.83	11.2	94.1	
Q3386-02	237-E2	39	1.15	10.85	12.00	11.2	92.6	
Q3387-01	BC289050-1-1	40	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-02	BC289050-1-2	41	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-03	BC289050-2-1	42	1.00	1.00	2.00	2.00	100.0	PILC
Q3387-04	BC289050-2-2	43	1.00	1.00	2.00	2.00	100.0	PILC
Q3388-01	461	44	1.00	1.00	2.00	2.00	100.0	oily-debris
Q3389-01	KMH472J-1-1	45	1.00	1.00	2.00	2.00	100.0	PILC
Q3389-02	KMH472J-1-2	46	1.00	1.00	2.00	2.00	100.0	PILC
Q3390-01	4175	47	1.00	1.00	2.00	2.00	100.0	debris
Q3390-03	340	48	1.18	10.76	11.94	10.34	85.1	
Q3390-04	340-E2	49	1.16	10.88	12.04	9.11	73.1	
Q3391-01	RCA	31	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q3392-01	MH-20	32	1.18	10.77	11.95	10.9	90.3	
Q3392-02	MH-20-EPH	33	1.16	11.00	12.16	11.07	90.1	
Q3392-03	MH-20-VOC	34	1.18	10.89	12.07	10.69	87.3	
Q3392-05	MH-19	35	1.16	10.50	11.66	10.34	87.4	
Q3392-06	MH-19-EPH	36	1.12	10.87	11.99	10.41	85.5	
Q3392-07	MH-19-VOC	37	1.16	10.50	11.66	10.37	87.7	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

Q3376-SVOC-TCL BNA -20

VR 137576

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3373-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-08	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-09	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3373-10	PEST -GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	J32	10/10/2025	Chemtech -SO
Q3374-01	TP-4-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-02	TP-4-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-03	TP-4-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/16/2025	Chemtech -SO
Q3374-05	TP-5-WC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-06	TP-5-WC-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3374-07	TP-5-WC-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3375-01	PR132-S02-074099-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-02	PR132-S04-000013-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-03	PR132-S05-000057-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-04	PR132-S02-010074-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3375-05	PR132-DP02-074099-2025101E	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-01	PR132-S05-057082-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-02	PR132-DP01-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-03	PR132-COMP2-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3376-04	PR132-S12-047072-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO

1343 of 1448

Date/Time 10/17/25 16:00

Raw Sample Received by: BB WC)

Raw Sample Relinquished by: CP (CSM)

Date/Time 10/17/25 17:35

Raw Sample Received by: CP (CSM)

Raw Sample Relinquished by: BB WC)

18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-05	PR132-S12-020047-20251016	Solid	Percent Solids	Cool 4 deg C	AECO02	D31	10/16/2025	Chemtech -SO
Q3381-01	VNJ-222	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-03	VNJ-245	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-05	RBR200059	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3381-07	VNJ-255	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-01	CENTRAL-AVE-TP	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3382-02	CENTRAL-AVE-TP-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-01	OR-03-101725	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3383-02	OR-03-101725-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-01	237	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	10/17/2025	Chemtech -SO
Q3386-02	237-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-01	BC289050-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3387-02	BC289050-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-03	BC289050-2-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3387-04	BC289050-2-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3388-01	461	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-01	KMH472J-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3389-02	KMH472J-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-01	4175	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-03	340	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	10/17/2025	Chemtech -SO
Q3390-04	340-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03		10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: JB WC

Raw Sample Relinquished by: CR (SM)

Date/Time 10/17/25 17:35

Raw Sample Received by: CR (SM)

Raw Sample Relinquished by: JB WC

WORKLIST(Hardcopy Internal Chain)

VB 137576

WorkList Name : %1-101725 **WorkList ID :** 192523 **Department :** Wet-Chemistry **Date :** 10-17-2025 10:20:50

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3391-01	RCA	Solid	Percent Solids	Cool 4 deg C	YANN01	D31	09/18/2025	Chemtech -SO
Q3392-01	MH-20	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-02	MH-20-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-03	MH-20-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-05	MH-19	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-06	MH-19-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO
Q3392-07	MH-19-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D31	10/17/2025	Chemtech -SO

Date/Time 10/17/25 16:00

Raw Sample Received by: TB WC

Raw Sample Relinquished by: CP CSM

Date/Time 10/17/25 17:35

Raw Sample Received by: CP CSM

Raw Sample Relinquished by: TB WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB170180

SOP ID: M3541-ASE Extraction-15

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: EH

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: EH

Filter By: RS

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 10/21/2025

Extraction Start Time : 09:45

Extraction End Date : 10/21/2025

Extraction End Time : 13:10

Concentration By: EH

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	N/A	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

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/21/25	RS (Ext lab)	JH / SVOC
13:15	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB170180

Analytical Method: M3541-ASE Extraction-15 **Concentration Date:** 10/21/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB170180BL	SBLK180	SVOC-TCL BNA -20	30.02	N/A	Evelyn	RUPESH	1			U4-1
PB170180BS	SLCS180	SVOC-TCL BNA -20	30.03	N/A	Evelyn	RUPESH	1			2
Q3376-01	PR132-S05-057082-2025 1016	SVOC-TCL BNA -20	30.01	N/A	Evelyn	RUPESH	1	E		3
Q3376-02	PR132-DP01-20251016	SVOC-TCL BNA -20	30.04	N/A	Evelyn	RUPESH	1	E		4
Q3376-03	PR132-COMP2-20251016	SVOC-TCL BNA -20	30.08	N/A	Evelyn	RUPESH	1	E		5
Q3376-04	PR132-S12-047072-2025 1016	SVOC-TCL BNA -20	30.07	N/A	Evelyn	RUPESH	1	E		6
Q3376-05	PR132-S12-020047-2025 1016	SVOC-TCL BNA -20	30.02	N/A	Evelyn	RUPESH	1	E		U6-1
Q3393-01	PR132-S10-000022-2025 1017	SVOC-TCL BNA -20	30.05	N/A	Evelyn	RUPESH	1	E		2
Q3393-02	PR132-S10-022047-2025 1017	SVOC-TCL BNA -20	30.04	N/A	Evelyn	RUPESH	1	E		3
Q3393-03	PR132-S08-013038-2025 1017	SVOC-TCL BNA -20	30.06	N/A	Evelyn	RUPESH	1	E		4
Q3393-04	PR132-S06-000021-2025 1017	SVOC-TCL BNA -20	30.09	N/A	Evelyn	RUPESH	1	E		5
Q3393-05	PR132-S08-000013-2025 1017	SVOC-TCL BNA -20	30.05	N/A	Evelyn	RUPESH	1	E		6
Q3397-01	TP-7-WC	SVOC-TCL BNA -20	50.02	N/A	Evelyn	RUPESH	1	E		U1-1
Q3401-01	41-CONCRETE	SVOC-PAH	50.07	N/A	Evelyn	RUPESH	1	B	Concrete	2
Q3402-01	41-LA	SVOC-TCL BNA -20	50.04	N/A	Evelyn	RUPESH	1	E		3
Q3402-04	41-RA	SVOC-TCL BNA -20	50.06	N/A	Evelyn	RUPESH	1	E		4
Q3402-07	41-LB	SVOC-TCL BNA -20	50.03	N/A	Evelyn	RUPESH	1	E		5
Q3402-07MS	41-LBMS	SVOC-TCL BNA -20	50.01	N/A	Evelyn	RUPESH	1	E		6
Q3402-07MSD	41-LBMSD	SVOC-TCL BNA -20	50.08	N/A	Evelyn	RUPESH	1	E		U2-1
Q3402-10	41-RB	SVOC-TCL BNA -20	50.05	N/A	Evelyn	RUPESH	1	E		2
Q3403-01	MH-18	SVOC-TCL BNA -20	50.03	N/A	Evelyn	RUPESH	1	E		3

RS 10/21

* **Extracts relinquished on the same date as received.**

Q3376-SVOC-TCL BNA -20

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3403 **WorkList ID :** 192574 **Department :** Extraction **Date :** 10-21-2025 09:25:20

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3376-01	PR132-S05-057082-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-02	PR132-DP01-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-03	PR132-COMP2-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-04	PR132-S12-047072-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3376-05	PR132-S12-020047-20251016	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/16/2025	8270E
Q3393-01	PR132-S10-000022-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-02	PR132-S10-022047-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-03	PR132-S08-013038-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-04	PR132-S06-000021-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3393-05	PR132-S08-000013-20251017	Solid	SVOC-TCL BNA -20	Cool 4 deg C	AECO02	D31	10/17/2025	8270E
Q3397-01	TP-7-WC	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/18/2025	8270E
Q3401-01	41-CONCRETE	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-01	41-LA	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-04	41-RA	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-07	41-LB	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3402-10	41-RB	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/20/2025	8270E
Q3403-01	MH-18	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D41	10/20/2025	8270E

Date/Time 10/21/25 9:40
Raw Sample Received by: RS (Ext-lab)
Raw Sample Relinquished by: CP SM

Date/Time 10/21/25 10:10
Raw Sample Received by: CP SM
Raw Sample Relinquished by: RS (Ext-lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q3376

Test : SVOC-TCL BNA -20

Prepbatch ID : PB170180,

Sequence ID/Qc Batch ID: BF102125,BF102225,BG102825,BP102125,

Standard ID :
EP2641,EP2652,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6856,SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864,SP6865,SP6869,SP6871,SP6872,SP6875,

Chemical ID :
10ul/1000ul sample,E3875,E3932,E3942,E3951,E3954,E3965,E3972,E3973,E3980,S10105,S11073,S11484,S11496,S11652,S11807,S11808,S12115,S12197,S12199,S12200,S12201,S12220,S12221,S12245,S12272,S12277,S12278,S12306,S12307,S12507,S12508,S12552,S12553,S12554,S12555,S12556,S12557,S12558,S12559,S12560,S12577,S12670,S12739,S12776,S12903,S12904,S12905,S13057,S13078,S13089,S13090,S13091,S13092,S13093,S13094,S13095,S13096,S13097,S13118,S13119,S13120,S13149,S13160,S13170,S13175,S13178,S13179,S13180,S13207,S13208,S13209,S13210,S13211,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
4178	8270/625.1 Stock Solution-2 100 ng	SP6832	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.20000ml of S13211 + 0.26700ml of S10105 + 0.40000ml of S11496 + 0.40000ml of S12278 + 0.50000ml of S12115 + 0.50000ml of S13209 + 0.50000ml of S13210 + 0.60000ml of S12277 + 1.00000ml of S12272 + 1.00000ml of S13057 + 1.00000ml of S13078 + 1.00000ml of S13208 + 2.63300ml of E3942 = Final Quantity: 10.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4179	80 ng BNA ICC	SP6833	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.20000ml of E3942 + 0.80000ml of SP6832 = 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
4180	60 ng BNA ICC	SP6834	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.40000ml of E3942 + 0.60000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4181	50 ng BNA ICC	SP6835	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6832 = 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
4182	40 ng BNA ICC	SP6836	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.60000ml of E3942 + 0.40000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4183	20 ng BNA ICC	SP6837	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.80000ml of E3942 + 0.20000ml of SP6832 = 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
4184	10 ng BNA ICC	SP6838	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.90000ml of E3942 + 0.10000ml of SP6832 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
4185	5 ng BNA ICC	SP6839	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.95000ml of E3942 + 0.05000ml of SP6832 = 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
4186	2.5 ng BNA ICC	SP6840	06/19/2025	10/28/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 0.01000ml of S12670 + 0.50000ml of E3942 + 0.50000ml of SP6839 = Final Quantity: 1.010 ml

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

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
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

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

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
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

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

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
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

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

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
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

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

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
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

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

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
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

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

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
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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3942

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

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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	09/16/2025 / Evelyn	09/04/2025 / Riteshkumar	E3972

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 #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	12/19/2025	06/19/2025 / Jagrut	12/09/2021 / Christian	S10105

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

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 #
CPI International	Z-110094-02 / CLP Base/Neutral Surrogate Solution, 5000 mg/L, 1ml	506889	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

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

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 #
CPI International	z-010223-01 / 1,4-Dioxane Solution, 2,000mg/L, 1ml	454157	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

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

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	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

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

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 #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	12/03/2025	06/03/2025 / Jagrut	05/24/2024 / Rahul	S12272

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-010442-07 / Benzaldehyde Solution, 1000 mg/L, 1.3 ml, (Maximum Expiration: 90 Days)	495833	12/19/2025	06/19/2025 / Jagrut	05/24/2024 / Rahul	S12278

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

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]	A0214021	02/25/2026	08/25/2025 / Jagrut	07/23/2024 / RAHUL	S12508

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

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	S12557

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	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	12/16/2025	06/16/2025 / anahy	09/20/2024 / anahy	S12670

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	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

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 #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	531243	12/19/2025	06/19/2025 / Jagrut	01/16/2025 / anahy	S13057

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 #
CPI International	Z-010074-07 / 3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 ml, (Maximum Expiration: 180 days)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

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

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

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	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

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

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	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

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

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	04/17/2026	10/17/2025 / rahul	06/02/2025 / anahy	S13179

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	03/31/2031	03/31/2025 anahy	06/02/2025 / anahy	S13180

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 #
Absolute Standards, Inc.	70434 / Acetophenone, Single compound solution, 1000 PPM	121622	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13208

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91126 / Benzoic acid 2000 ug/mL	060625	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	90495 / 1,1-Biphenyl 2000 ug/mL	042325	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13210

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 #
Absolute Standards, Inc.	34571 / 1,2,4,5-Tetrachlorobenzene 5000 ug/mL	092324	12/19/2025	06/19/2025 / Rahul	06/19/2025 / Rahul	S13211

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

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

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	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

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090 -04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione
Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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)

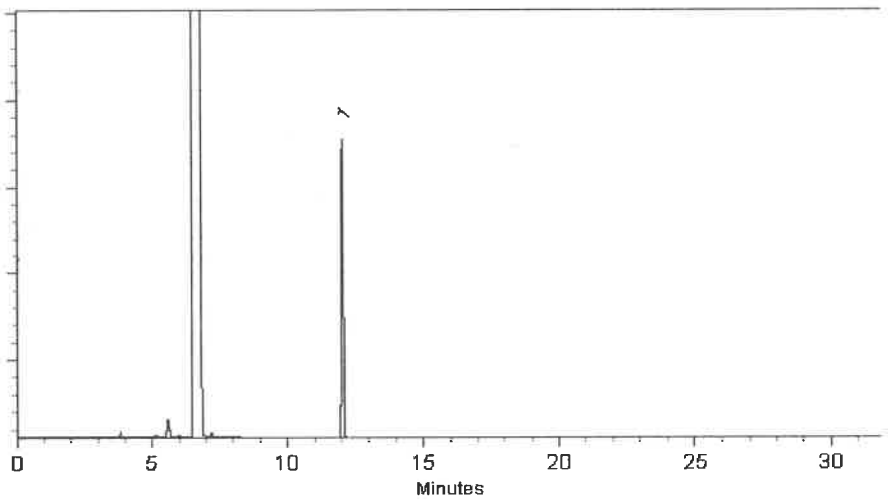
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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

E 3875

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

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A2862010
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

E3942

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 RJ

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

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. : 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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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

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. : 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.)

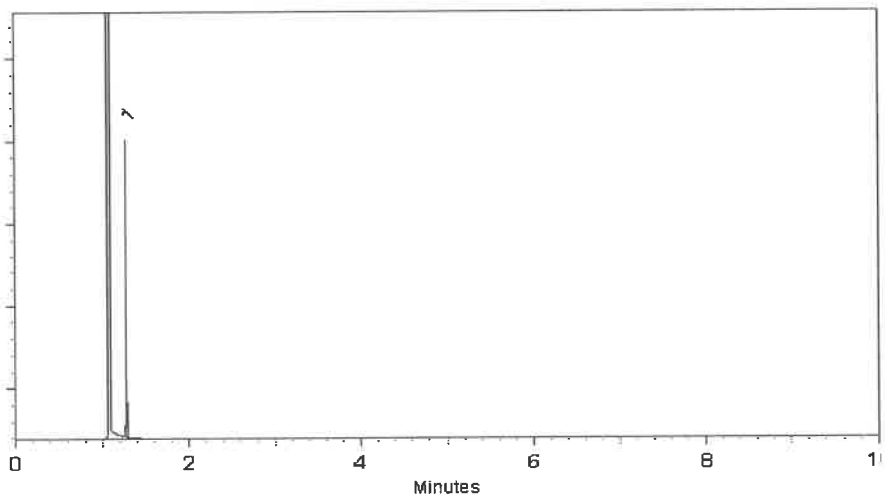
Inj. Temp:
250°C

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.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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. : 31087 **Lot No.:** A0206206

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

S12187 ↓ S12206 } RC/ 03/18/24

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.)

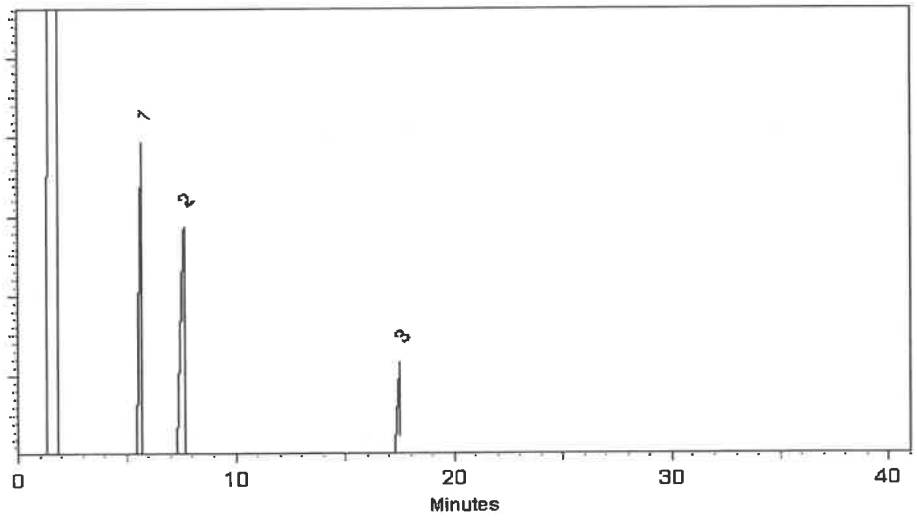
Inj. Temp:
250°C

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

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. : 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.)

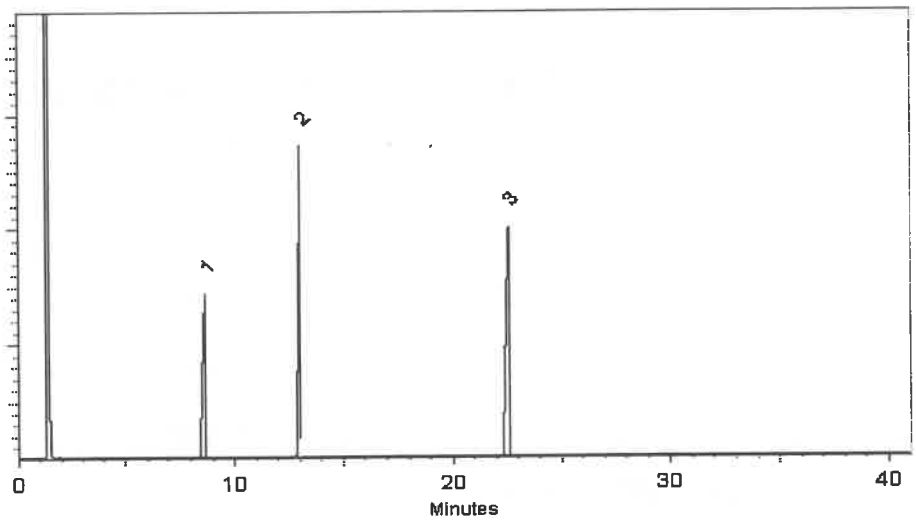
Inj. Temp:
250°C

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.

Catalog No. : 30409 **Lot No.:** A0206650

Description : Pyridine Standard

Pyridine 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

S12242 ↓ S12254 RC/ 5/15/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	2,020.0 µg/mL	+/- 33.0924

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

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.)

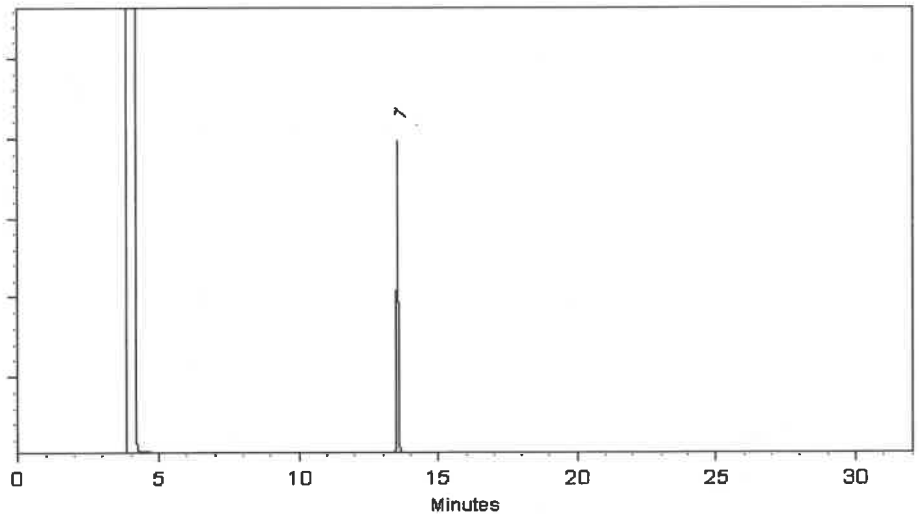
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 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.

Sam Moodler - Operations Tech I

Date Mixed: 16-Jan-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 18-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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.

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.)

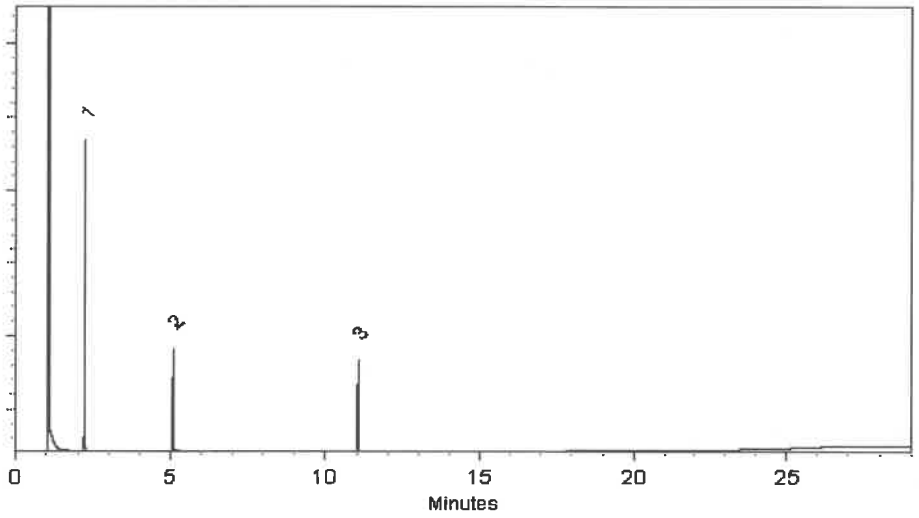
Inj. Temp:
250°C

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

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.:** 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.)

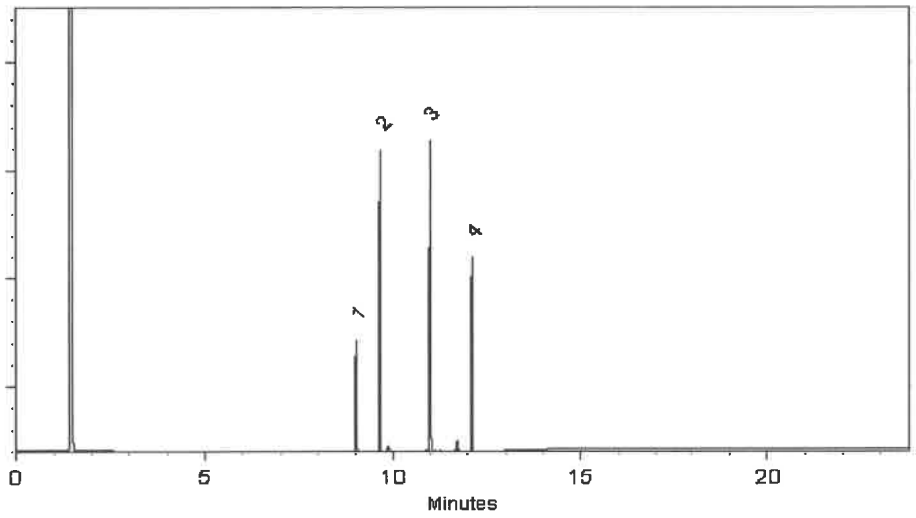
Inj. Temp:
250°C

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

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. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **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%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

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

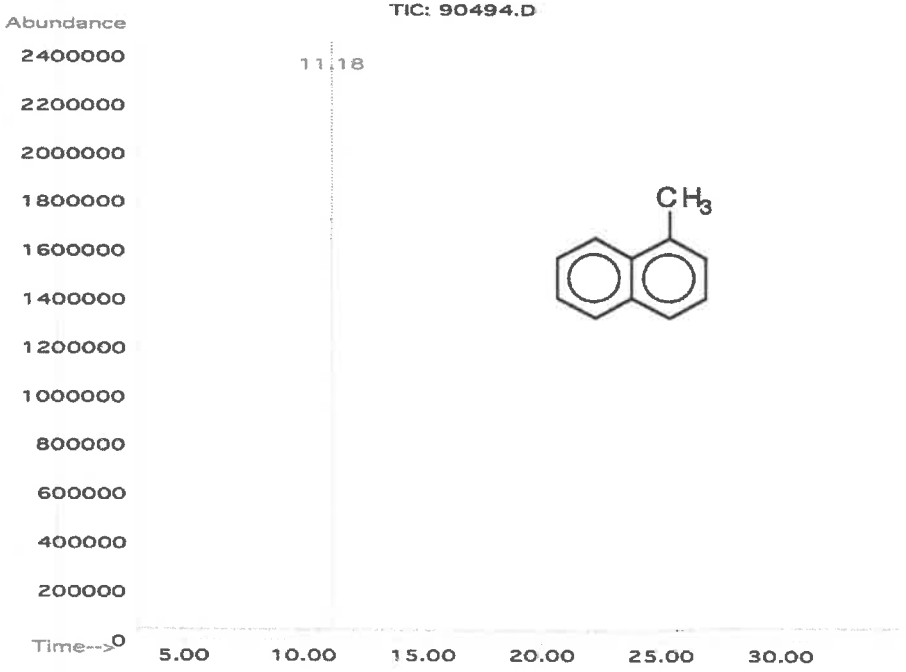
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

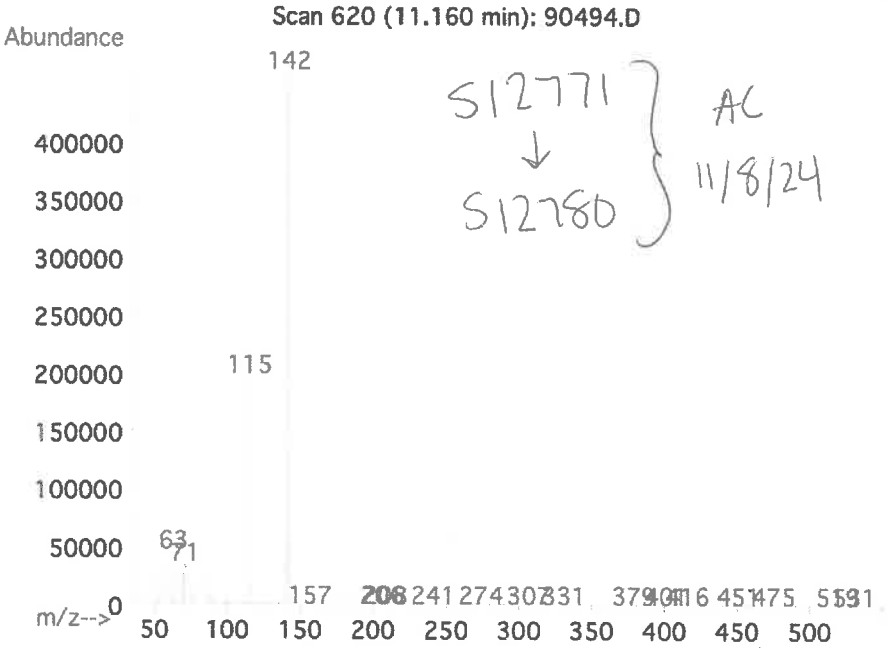
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

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).

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	531243	≤ -10 °C	Methylene Chloride	1/2/2030	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.4P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	993.8 ± 5.78
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

513057 ↓ 513061 AC 1/16/25

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	3,3'-Dichlorobenzidine Solution, 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
3,3'-dichlorobenzidine	91-94-1	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

S13078 ↓ S13087 } AC 3/10/25

Manufactured by

Raevyn Steele
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

*Not a certified valu

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. : 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.)

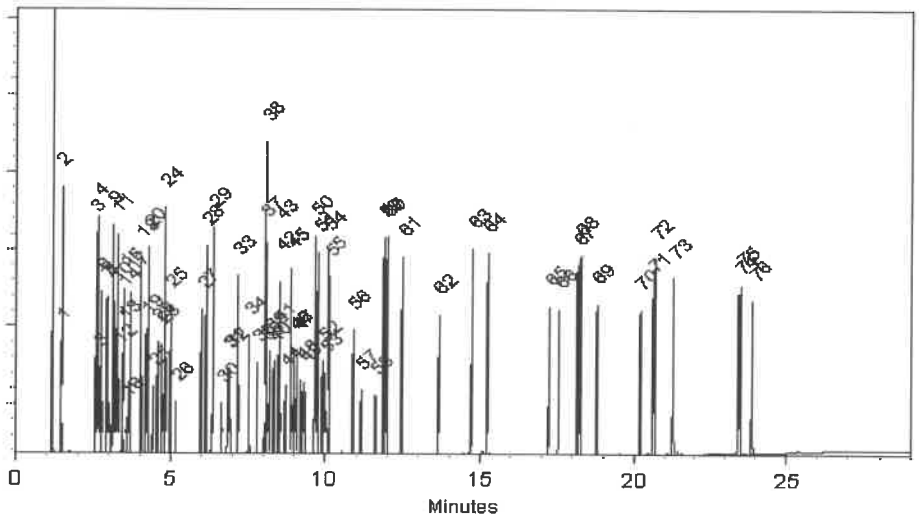
Inj. Temp:
250°C

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.)

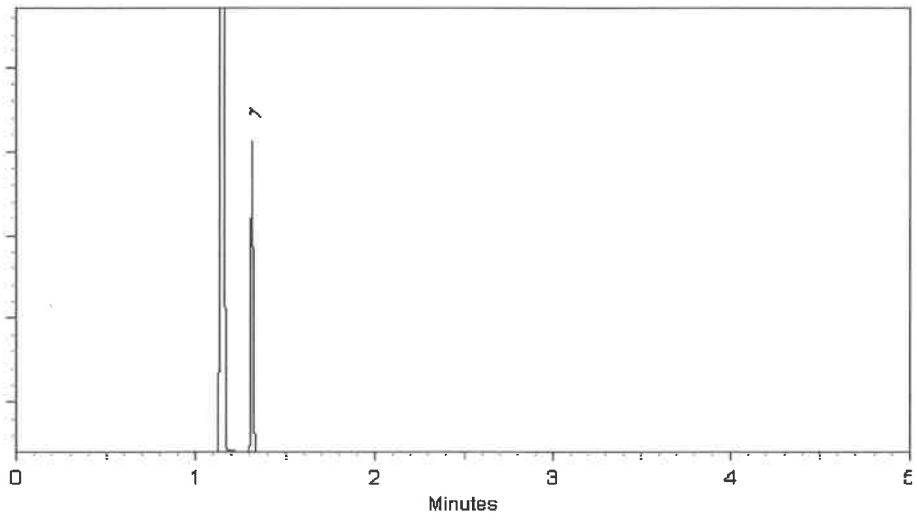
Inj. Temp:
250°C

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

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 ↓ S13167 } RC/ 6/4/25

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 By Dillon Murphy at 11:21 am, Jun 03, 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. : 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

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: 70434
Lot Number: 121622
Description: Acetophenone

Expiration Date: 121627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

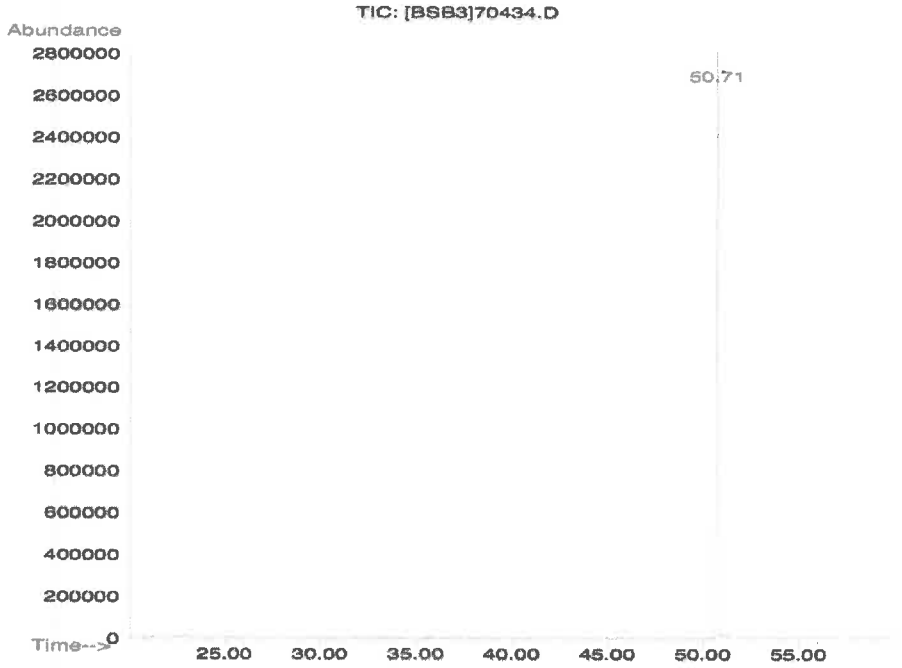
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

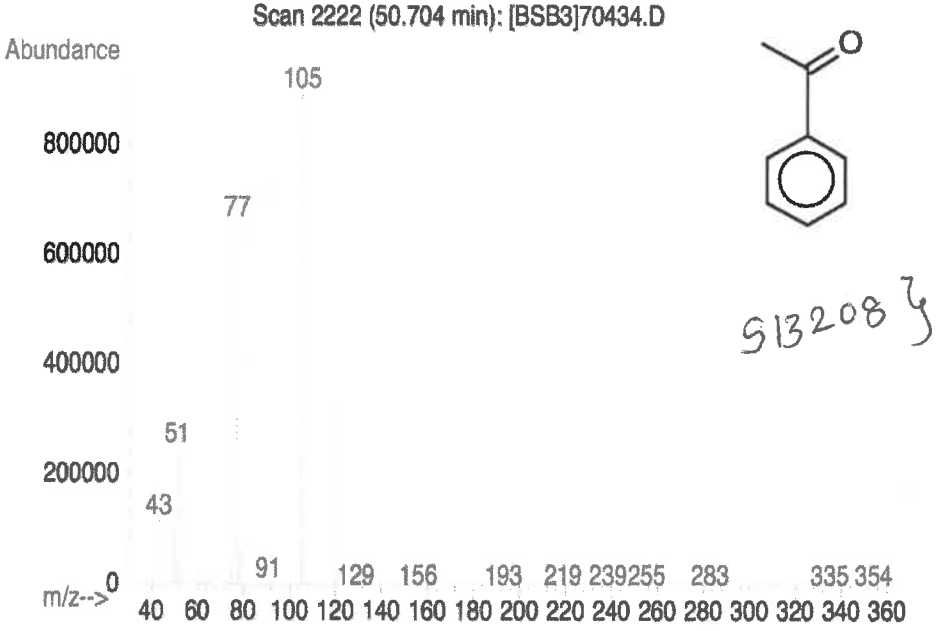
		121622
Formulated By:	Benson Chan	DATE
		121622
Reviewed By:	Pedro L. Rentas	DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

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. Acetophenone	434	04511JX	1000	99	0.2	0.05055	0.05075	1004.0	4.5	98-86-2	N/A	orl-rat 815mg/kg

Method: GC6MSD-1. **Detector:** MSD. **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. **Analyst:** Candice Warren. Solvent delay = 25 minutes.

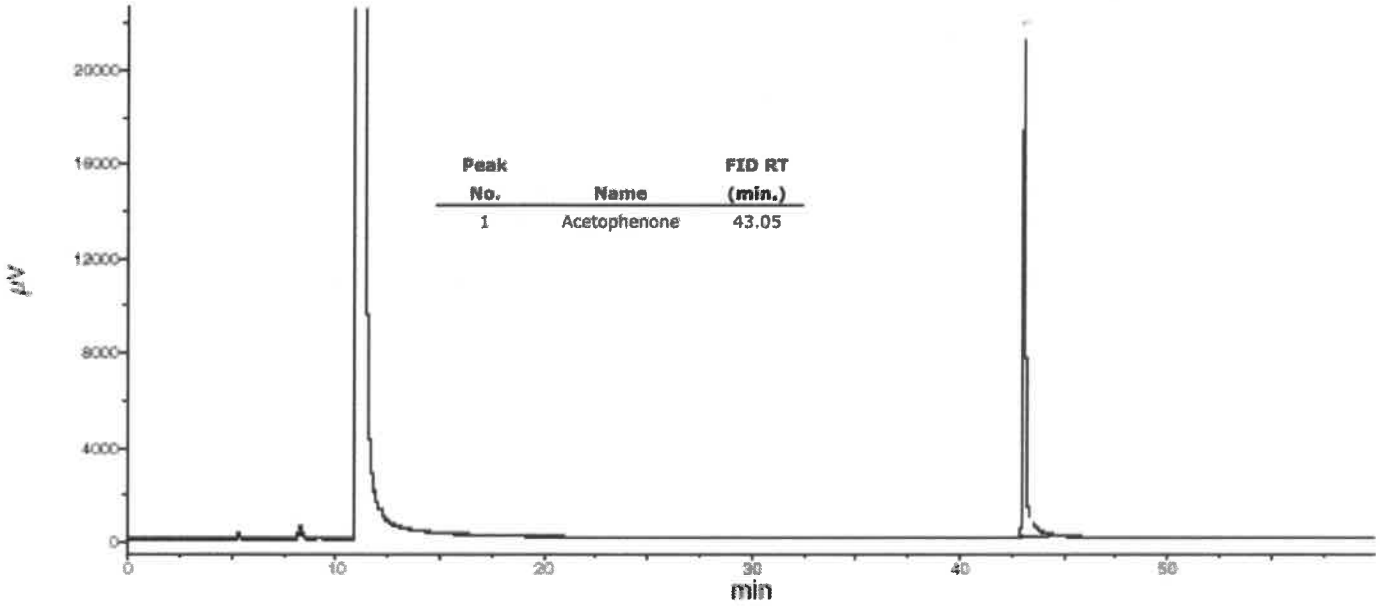




S13208 ✓ RC 6/19/25

- 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).

Comments
GC13-M1 Analysis by Melissa Stonier
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak No.	Name	FID RT (min.)
1	Acetophenone	43.05

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:	91126
Lot Number:	060625
Description:	Benzoic acid
Expiration Date:	060630
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	2000
NIST Test ID#:	6UTB

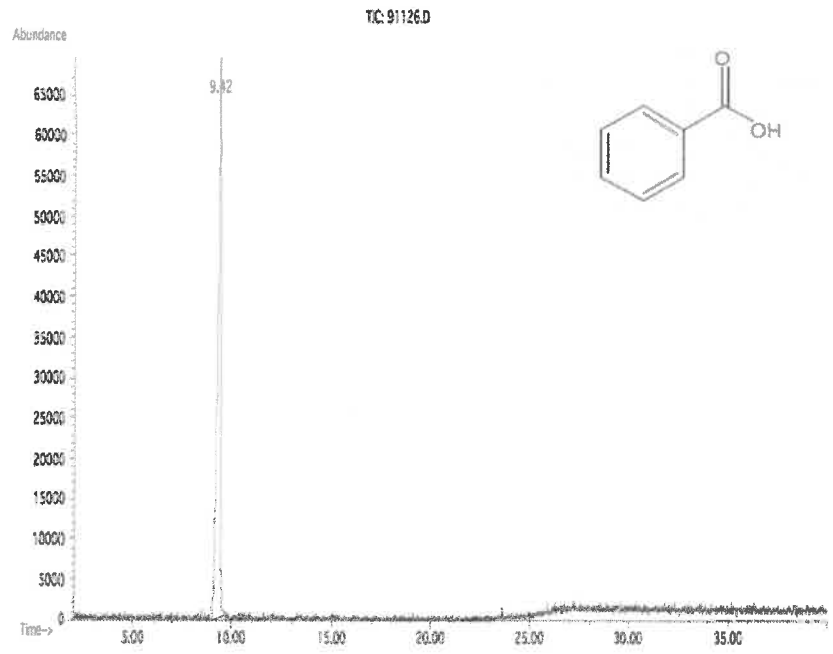
Solvent(s):	**Lot#**
Methylene chloride	23343

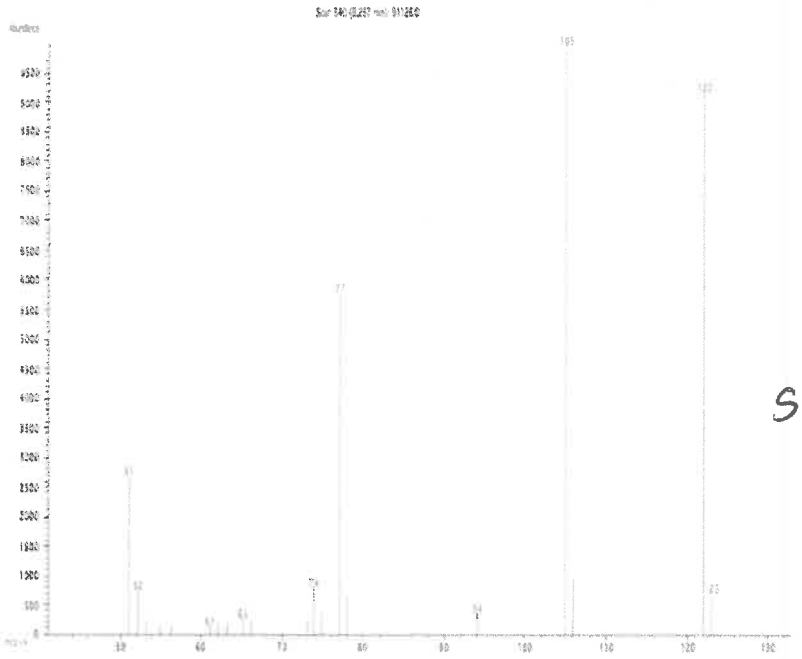
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Anthony Mahoney	060625 DATE
Reviewed By:	Pedro L. Rentas	060625 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. Benzoic acid	34	11930AW	2000.0	99	0.2	0.20211	0.20227	2001.6	8.2	65-85-0	N/A	orl-rat 1700mg/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: Melissa Stonier.





S132097 RC 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (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).

Rev 1.0, 2/25/2025

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: 34571
Lot Number: 092324
Description: 1,2,4,5-Tetrachlorobenzene

Solvent(s): Methanol **Lot#** EI863-US

Expiration Date: 092334
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.004 Flask Uncertainty

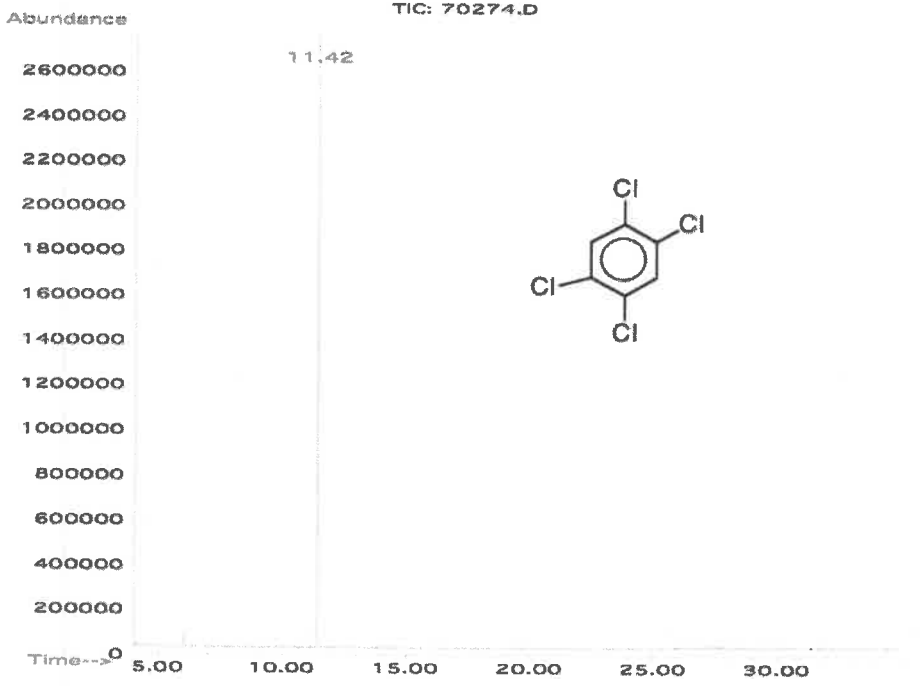
Weight(s) shown below were combined and diluted to (mL): 25.0

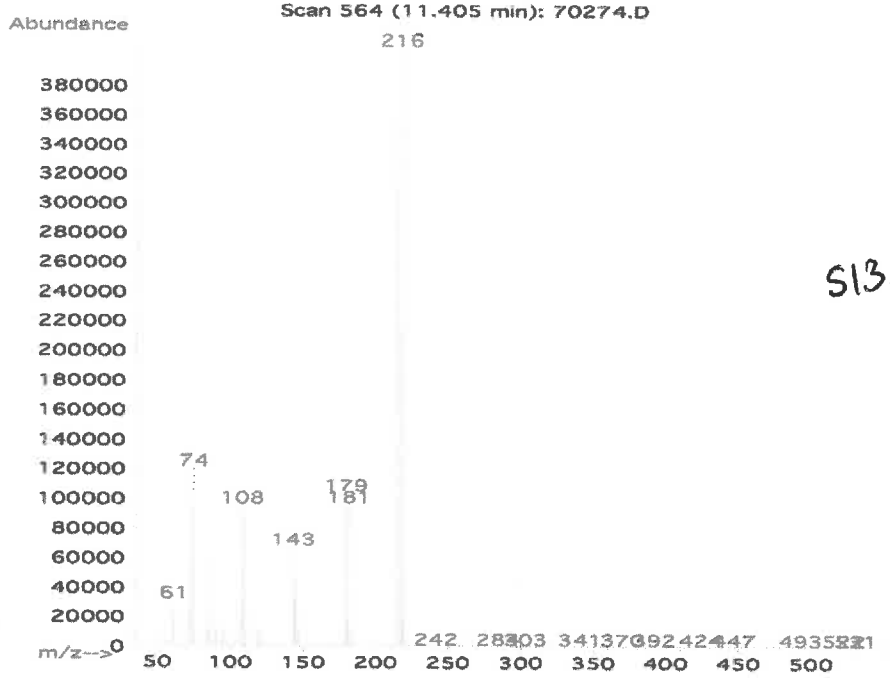
CAUTION: Sonicate Before Use

	Formulated By: Lawrence Barry	092324 DATE
	Reviewed By: Pedro L. Rentas	092324 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. 1,2,4,5-Tetrachlorobenzene	274	10408AS	5000	98	0.20	0.12761	0.12765	5001.4	20.8	95-94-3	N/A	orl-rat 1500mg/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.





S132113 RC 6/19/25.

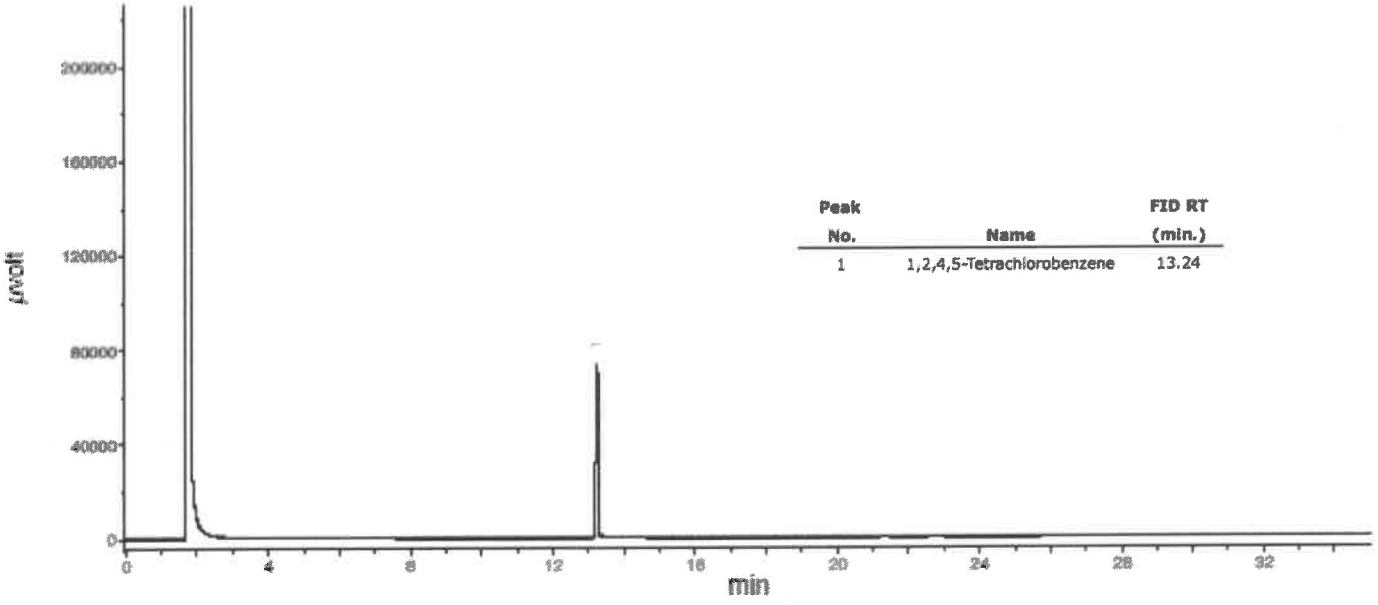
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, 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).

Run 31, "P34571 L092324 [5000µg/mL in MeOH]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence "010225-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 7



Peak No.	Name	FID RT (min.)
1	1,2,4,5-Tetrachlorobenzene	13.24

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.)

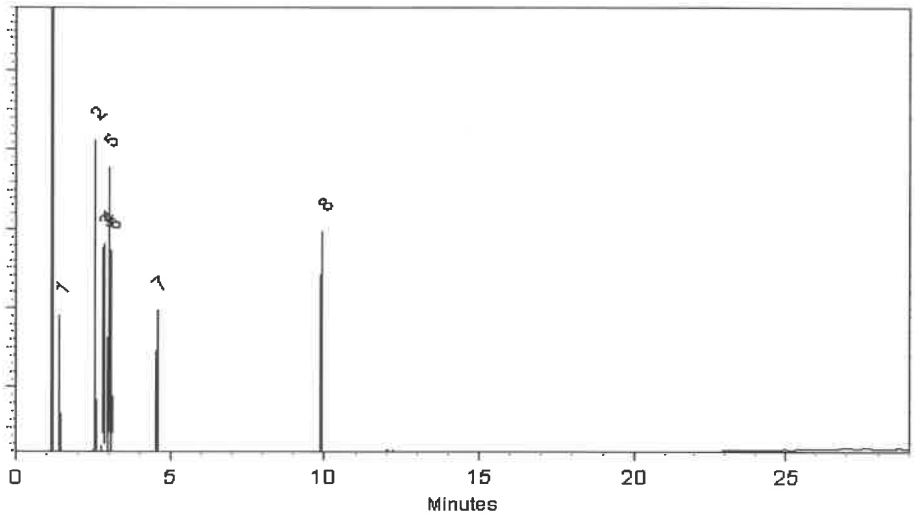
Inj. Temp:
250°C

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. : 555224 **Lot No.:** A0228494

S13269 ↓ S13298 } RC 08/06/25

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 : August 31, 2027 **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%	1,002.0 µg/mL	+/- 29.453715
2	Acetophenone	98-86-2	STBH8205	99%	1,001.0 µg/mL	+/- 29.424320
3	Benzaldehyde	100-52-7	RD250319RSR	99%	1,003.0 µg/mL	+/- 29.483110
4	Benzoic acid	65-85-0	MKCX1578	99%	1,001.0 µg/mL	+/- 29.424320
5	Biphenyl	92-52-4	MKCS5928	99%	1,002.0 µg/mL	+/- 29.453715

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Laith Clemente - Operations Technician I **Date Mixed:** 04-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

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. : 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. Q3376
QUOTE NO.
COC Number 2045167 Q3379

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 605 3rd Ave
CITY New York STATE: NY ZIP: 10158
ATTENTION: Rob Forstner
PHONE: 212-377-8721 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Port Richmond
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 3rd Ave
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 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ NYS ASP A
- ☒ NYS ASP B
- ☐ Other _____
- ☐ EDD FORMAT _____

ANALYSIS

1: SVOCs
2: Pesticides-TCL
3: Mercury-Metals
4: PCBs/Hexachrome
5: Dioxin
6: Grain Size
7: TOC
8: VOCs
9:

PRESERVATIVES

Method

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
1.	PR132-SO5-057082-20251016	S		X	10/16	1035	11	X	X	X	X	X	X	X	X	
2.	PR132-DP01-20251016	S		X	10/16	1050	11	X	X	X	X	X	X	X	X	
3.	PR132-COMP2-20251016	S	X		10/16	1250	11	X	X	X	X	X	X	X	X	
4.	PR132-SI2-047072-20251016	S		X	10/16	1325	11	X	X	X	X	X	X	X	X	
5.	PR132-SI2-020047-20251016	S		X	10/16	1315	11	X	X	X	X	X	X	X	X	
6.	PR132-FB01-20251016	A			10/16	1355	1	X	X	X	X	X			X	
7.	Temp Blank	A													X	
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. Jim Aldersen	10/16/25 1650	1 1650 10-16-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 10-16-25 1845	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.2 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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 : Q3376 AECO02
Client Name : AECOM
Client Contact : Rob Forstner
Invoice Name : AECOM
Invoice Contact : Rob Forstner

Order Date : 10/17/2025 10:34:00 AM
Project Name : AE1-CTY 3.2.Z-PR-DOCK
Receive DateTime : 10/16/2025 6:15:00 PM
Purchase Order :

Project Mgr : Yazmeen
Report Type : NYS ASP B
EDD Type : EQUIS
Hard Copy Date :
Date Signoff : 10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3376-01	PR132-S05-057082-20251016	Solid	10/16/2025	10:35					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-02	PR132-DP01-20251016	Solid	10/16/2025	10:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-03	PR132-COMP2-20251016	Solid	10/16/2025	12:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-04	PR132-S12-047072-20251016	Solid	10/16/2025	13:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-05	PR132-S12-020047-20251016	Solid	10/16/2025	13:15					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3376-07	PR132-FB01-20251016	Water	10/16/2025	13:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q3376 AECO02	**Order Date :**	10/17/2025 10:34:00 AM	**Project Mgr :**	Yazmeen
Client Name :	AECOM	**Project Name :**	AE1-CTY 3.2.Z-PR-DOCK	**Report Type :**	NYS ASP A
Client Contact :	Rob Forstner	**Receive DateTime :**	10/16/2025 6:15:00 PM	**EDD Type :**	EQUIS
Invoice Name :	AECOM	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Rob Forstner			**Date Signoff :**	10/17/2025 1:53:32 PM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

Relinguished By : _____
Date / Time : 10/17/25 14:10

Received By : _____
Date / Time : 10/17/25 14:10

Storage Area : **VOA Refridgerator Room**

Rg #6
Rg 2
Rg #5