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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : RAYMARK SUPERFUND SITE

NOBIS GROUP

585 Middlesex Street

Lowell, MA - 01851

Phone No: 978-683-0891

ORDER ID : Q2555

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q2555

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 SVOCMS Group3 13
9.1) Deuterated Monitoring Compound Summary 14
9.2) MS/MSD Summary 15
9.3) LCS/LCSD Summary 17
9.4) Method Blank Summary 18
9.5) GS/MS Tune Summary 19
9.6) Internal Standard Area and RT Summary 23
10) Sample Data 29
10.1) OU4-TS-29-070925 30
10.2) OU4-TS-30-070925 47
11) Calibration Data Summary 64
11.1) Initial Calibration Data 65
11.1.1) BF071525 65
11.1.2) BF071725 468
11.2) Continued Calibration Data 871
11.2.1) BF143117.D 871
11.2.2) BF143137.D 927
11.2.3) BF143157.D 983
11.2.4) BF143177.D 1039
11.2.5) BF143187.D 1095
12) QC Sample Data 1151
12.1) Tune Raw Data 1152
12.2) Method Blank Data 1168
12.3) LCS Data 1182
12.4) MS Data 1233
12.5) MSD Data 1284
13) Manual Integration 1335

Table Of Contents for Q2555

14) Analytical Runlogs 1341

15) Percent Solid 1354

16) Extraction Logs 1358

16.1) PB168813.pdf 1358

16.2) PB168813IC.pdf 1360

17) Standard Prep Logs 1361

18) Shipping Document 1443

18.1) Chain Of Custody 1444

18.2) Lab Certificate 1445

18.3) Internal COC 1446

19) Not Reviewed Data 1447

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

Cover Page

Order ID : Q2555

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2555-01	OU4-TS-29-070925
Q2555-02	OU4-TS-29-070925
Q2555-03	OU4-TS-30-070925
Q2555-04	OU4-TS-30-070925

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

Signature : **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 9:00 am, Jul 25, 2025

Date: 7/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Nobis Group
Project Name: Raymark Superfund Site
Project # N/A
Order ID # Q2555
Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:
4 Solid samples were received on 07/10/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested:
. This data package contains results for SVOCMS Group3(8270E).

C. Analytical Techniques:
SVOCMS Group3 : 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 analysis of SVOCMS Group3 was based on method 8270E and extraction was done based on method 3541.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except following OU4-TS-29-070925 [Terphenyl-d14 - 30%], OU4-TS-30-070925 [Terphenyl-d14 - 34%], TP-17MS [Terphenyl-d14 - 42%] and TP-17MSD [Terphenyl-d14 - 42%]. One base surrogate is allowed to fail as per SOP, therefor no further corrective action was taken.

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 met requirements for all compounds.

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

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

The Initial Calibration met the requirements.

The Continuous Calibration met the requirements.

The Tuning criteria met requirements.

E. Additional Comments:
As per special requirement for this project form-1 are reported in mg/kg.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature___ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 9:00 am, Jul 25, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

ORDER ID: Q2555 MATRIX: Solid

METHOD: 8270E/3541

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.			✓
	The Initial Calibration met the requirements.			
	The Continuous Calibration met the requirements.			
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	The Surrogate recoveries were met for all analysis except following OU4-TS-29-070925 [Terphenyl-d14 - 30%], OU4-TS-30-070925 [Terphenyl-d14 - 34%], TP-17MS [Terphenyl-d14 - 42%] and TP-17MSD [Terphenyl-d14 - 42%]. One base surrogate is allowed to fail as per SOP, therefor no further corrective action was taken.			✓
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 met requirements for all compounds.			

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

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Extraction Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			
11.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

As per special requirement for this project form-1 are reported in mg/kg.

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

The not QT review data is reported in the Miscellaneous.

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

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

QA REVIEW

REVIEWED
By Sohil Jodhani, QA/QC Director at 8:43 am, Jul 25, 2025

Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2555

	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:** 07/24/2025

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

LAB CHRONICLE

OrderID:	Q2555	**OrderDate:**	7/10/2025 10:17:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O13,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2555-01	**OU4-TS-29-070925**	**SOIL**			**07/09/25**			**07/10/25**
			SVOCMS Group3	8270E		07/11/25	07/17/25	
Q2555-03	**OU4-TS-30-070925**	**SOIL**			**07/09/25**			**07/10/25**
			SVOCMS Group3	8270E		07/11/25	07/17/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2555

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**OU4-TS-29-070925**								
Q2555-01	OU4-TS-29-070925	SOIL	Fluoranthene	0.110	J	0.040	0.18	0.23	mg/Kg
Q2555-01	OU4-TS-29-070925	SOIL	Benzo(b)fluoranthene	0.140	J	0.026	0.18	0.23	mg/Kg
			Total Svoc :	**0.25**					
			Total Concentration:	**0.25**					
Client ID :	**OU4-TS-30-070925**								
Q2555-03	OU4-TS-30-070925	SOIL	Fluoranthene	0.130	J	0.039	0.17	0.22	mg/Kg
Q2555-03	OU4-TS-30-070925	SOIL	Benzo(b)fluoranthene	0.110	J	0.025	0.17	0.22	mg/Kg
			Total Svoc :	**0.24**					
			Total Concentration:	**0.24**					

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2555

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168813BL	PB168813BL	Nitrobenzene-d5	100	78.7	79		37	122
		2-Fluorobiphenyl	100	74.4	74		44	115
		Terphenyl-d14	100	81.9	82		54	127
PB168813BS	PB168813BS	Nitrobenzene-d5	100	81.7	82		37	122
		2-Fluorobiphenyl	100	74.1	74		44	115
		Terphenyl-d14	100	89.3	89		54	127
Q2555-01	OU4-TS-29-070925	Nitrobenzene-d5	100	54.1	54		37	122
		2-Fluorobiphenyl	100	48.8	49		44	115
		Terphenyl-d14	100	29.6	30	*	54	127
Q2555-03	OU4-TS-30-070925	Nitrobenzene-d5	100	54.6	55		37	122
		2-Fluorobiphenyl	100	51.6	52		44	115
		Terphenyl-d14	100	34.1	34	*	54	127
Q2571-05MS	TP-17MS	Nitrobenzene-d5	100	64.4	64		37	122
		2-Fluorobiphenyl	100	53.9	54		44	115
		Terphenyl-d14	100	42.0	42	*	54	127
Q2571-05MSD	TP-17MSD	Nitrobenzene-d5	100	65.4	65		37	122
		2-Fluorobiphenyl	100	53.6	54		44	115
		Terphenyl-d14	100	41.6	42	*	54	127

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.: Q2555 **Analytical Method:** SW8270E

Client: Nobis Group **DataFile:** BF143131.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2571-05MS		**Client Sample ID: TP-17MS**									
Naphthalene	1100	0	920	ug/Kg	84				35	123	
2-Methylnaphthalene	1100	0	920	ug/Kg	84				38	122	
Acenaphthylene	1100	0	940	ug/Kg	85				32	132	
Acenaphthene	1100	0	890	ug/Kg	81				40	123	
Fluorene	1100	0	900	ug/Kg	82				43	125	
Phenanthrene	1100	0	920	ug/Kg	84				50	121	
Anthracene	1100	0	930	ug/Kg	85				47	123	
Fluoranthene	1100	0	930	ug/Kg	85				50	127	
Pyrene	1100	0	750	ug/Kg	68				47	127	
Benzo(a)anthracene	1100	82.0	970	ug/Kg	81				49	126	
Chrysene	1100	97.3	950	ug/Kg	78				50	124	
Benzo(b)fluoranthene	1100	110	1100	ug/Kg	90				45	132	
Benzo(k)fluoranthene	1100	110	890	ug/Kg	71				47	132	
Benzo(a)pyrene	1100	85.4	1000	ug/Kg	83				45	129	
Indeno(1,2,3-cd)pyrene	1100	60.1	790	ug/Kg	66				45	133	
Dibenz(a,h)anthracene	1100	46.2	780	ug/Kg	67				45	134	
Benzo(g,h,i)perylene	1100	69.8	730	ug/Kg	60				43	134	

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.: Q2555 **Analytical Method:** SW8270E

Client: Nobis Group **DataFile:** BF143132.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2571-05MSD		**Client Sample ID: TP-17MSD**									
Naphthalene	1100	0	910	ug/Kg	83	1			35	123	20
2-Methylnaphthalene	1100	0	910	ug/Kg	83	1			38	122	20
Acenaphthylene	1100	0	930	ug/Kg	85	0			32	132	20
Acenaphthene	1100	0	890	ug/Kg	81	0			40	123	20
Fluorene	1100	0	890	ug/Kg	81	1			43	125	20
Phenanthrene	1100	0	910	ug/Kg	83	1			50	121	20
Anthracene	1100	0	910	ug/Kg	83	2			47	123	20
Fluoranthene	1100	0	920	ug/Kg	84	1			50	127	20
Pyrene	1100	0	740	ug/Kg	67	1			47	127	20
Benzo(a)anthracene	1100	82.0	960	ug/Kg	80	1			49	126	20
Chrysene	1100	97.3	930	ug/Kg	76	3			50	124	20
Benzo(b)fluoranthene	1100	110	1100	ug/Kg	90	0			45	132	20
Benzo(k)fluoranthene	1100	110	900	ug/Kg	72	1			47	132	20
Benzo(a)pyrene	1100	85.4	1000	ug/Kg	83	0			45	129	20
Indeno(1,2,3-cd)pyrene	1100	60.1	750	ug/Kg	63	5			45	133	20
Dibenz(a,h)anthracene	1100	46.2	740	ug/Kg	63	6			45	134	20
Benzo(g,h,i)perylene	1100	69.8	690	ug/Kg	56	7			43	134	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.: Q2555 **Analytical Method:** 8270E

Client: Nobis Group **DataFile:** BF143179.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB168813BS	Naphthalene	1700	1500	ug/Kg	88				35	123	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				38	122	
	Acenaphthylene	1700	1500	ug/Kg	88				32	132	
	Acenaphthene	1700	1600	ug/Kg	94				40	123	
	Fluorene	1700	1500	ug/Kg	88				43	125	
	Phenanthrene	1700	1500	ug/Kg	88				50	121	
	Anthracene	1700	1500	ug/Kg	88				47	123	
	Fluoranthene	1700	1600	ug/Kg	94				50	127	
	Pyrene	1700	1800	ug/Kg	106				47	127	
	Benzo(a)anthracene	1700	1500	ug/Kg	88				49	126	
	Chrysene	1700	1500	ug/Kg	88				50	124	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				45	132	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				47	132	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				45	129	
	Indeno(1,2,3-cd)pyrene	1700	1500	ug/Kg	88				45	133	
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				45	134	
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				43	134	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB168813BL

Lab Name: Alliance | Contract: NOBI03

Lab Code: ACE | SDG NO.: Q2555

Lab File ID: BF143149.D | Lab Sample ID: PB168813BL

Instrument ID: BNA_F | Date Extracted: 07/11/2025

Matrix: (soil/water) SOIL | Date Analyzed: 07/17/2025

Level: (low/med) LOW | Time Analyzed: 15:36

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168813BS	PB168813BS	BF143179.D	07/22/2025
OU4-TS-29-070925	Q2555-01	BF143133.D	07/17/2025
OU4-TS-30-070925	Q2555-03	BF143135.D	07/17/2025
TP-17MS	Q2571-05MS	BF143131.D	07/17/2025
TP-17MSD	Q2571-05MSD	BF143132.D	07/17/2025

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: NOBI03

Lab Code: ACE SDG NO.: Q2555

Lab File ID: BF143092.D DFTPP Injection Date: 07/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 12:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (2) 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	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	77.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.4 (19.4) 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	BF143093.D	07/15/2025	13:04
SSTDICC005	SSTDICC005	BF143094.D	07/15/2025	13:35
SSTDICC010	SSTDICC010	BF143095.D	07/15/2025	14:05
SSTDICC020	SSTDICC020	BF143096.D	07/15/2025	14:36
SSTDICCC040	SSTDICCC040	BF143097.D	07/15/2025	15:05
SSTDICC050	SSTDICC050	BF143098.D	07/15/2025	15:35
SSTDICC060	SSTDICC060	BF143099.D	07/15/2025	16:05
SSTDICC080	SSTDICC080	BF143100.D	07/15/2025	16:35

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: NOBI03

Lab Code: ACE SDG NO.: Q2555

Lab File ID: BF143116.D DFTPP Injection Date: 07/16/2025

Instrument ID: BNA_F DFTPP Injection Time: 19:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.6 (1.9) 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	0.7
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	79.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 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	BF143117.D	07/16/2025	19:39
TP-17MS	Q2571-05MS	BF143131.D	07/17/2025	02:34
TP-17MSD	Q2571-05MSD	BF143132.D	07/17/2025	03:03
OU4-TS-29-070925	Q2555-01	BF143133.D	07/17/2025	03:32
OU4-TS-30-070925	Q2555-03	BF143135.D	07/17/2025	04:31
SSTDCCC040EC	SSTDCCC040	BF143137.D	07/17/2025	05:30

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: NOBI03

Lab Code: ACE SDG NO.: Q2555

Lab File ID: BF143138.D DFTPP Injection Date: 07/17/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:58

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.8
441	Present, but less than mass 443	79.6
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
SSTDICC2.5	SSTDICC2.5	BF143140.D	07/17/2025	11:04
SSTDICC005	SSTDICC005	BF143141.D	07/17/2025	11:34
SSTDICC010	SSTDICC010	BF143142.D	07/17/2025	12:04
SSTDICC020	SSTDICC020	BF143143.D	07/17/2025	12:34
SSTDICCC040	SSTDICCC040	BF143144.D	07/17/2025	13:03
SSTDICC050	SSTDICC050	BF143145.D	07/17/2025	13:33
SSTDICC060	SSTDICC060	BF143146.D	07/17/2025	14:04
SSTDICC080	SSTDICC080	BF143147.D	07/17/2025	14:34
PB168813BL	PB168813BL	BF143149.D	07/17/2025	15:36
SSTDCCC040EC	SSTDCCC040	BF143157.D	07/17/2025	19:37

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: NOBI03

Lab Code: ACE SDG NO.: Q2555

Lab File ID: BF143176.D DFTPP Injection Date: 07/22/2025

Instrument ID: BNA_F DFTPP Injection Time: 07:48

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	26
70	Less than 2.0% of mass 69	0.1 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.4
365	Greater than 1% of mass 198	4.0
441	Present, but less than mass 443	81.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (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
SSTDCCC040	SSTDCCC040	BF143177.D	07/22/2025	08:46
PB168813BS	PB168813BS	BF143179.D	07/22/2025	09:44
SSTDCCC040EC	SSTDCCC040	BF143187.D	07/22/2025	13:55

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.: Q2555

Client ID : SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

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	135149	6.969	510164	8.25	254065	10.00
	UPPER LIMIT	270298	7.469	1020330	8.751	508130	10.504
	LOWER LIMIT	67574.5	6.469	255082	7.751	127033	9.504
	EPA SAMPLE NO.						
01	OU4-TS-29-070925	148153	6.97	532010	8.25	233880	10.00
02	OU4-TS-30-070925	144850	6.97	503587	8.25	212132	10.00
03	TP-17MS	153802	6.97	579798	8.25	274749	10.00
04	TP-17MSD	154642	6.97	573690	8.25	274130	10.00

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.: Q2555

Client ID: SSTDCCC040 Date Analyzed: 07/16/2025

Lab File ID: BF143117.D Time Analyzed: 19:39

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	397173	11.492	210714	14.127	255524	15.633
	UPPER LIMIT	794346	11.992	421428	14.627	511048	16.133
	LOWER LIMIT	198587	10.992	105357	13.627	127762	15.133
	EPA SAMPLE NO.						
01	OU4-TS-29-070925	324353	11.49	293654	14.13	265449	15.63
02	OU4-TS-30-070925	313345	11.49	292725	14.13	230038	15.63
03	TP-17MS	404136	11.49	268901	14.13	324370	15.64
04	TP-17MSD	404556	11.49	270975	14.13	316202	15.64

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.: Q2555

Client ID : SSTDICCC040 Date Analyzed: 07/17/2025

Lab File ID: BF143144.D Time Analyzed: 13:03

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	167098	6.963	641413	8.25	331881	10.00
	UPPER LIMIT	334196	7.463	1282830	8.745	663762	10.498
	LOWER LIMIT	83549	6.463	320707	7.745	165941	9.498
	EPA SAMPLE NO.						
01	PB168813BL	146767	6.96	569126	8.24	303459	10.00

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.: Q2555

Client ID: SSTDICCC040 Date Analyzed: 07/17/2025

Lab File ID: BF143144.D Time Analyzed: 13:03

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	542726	11.486	296414	14.121	323574	15.621
	UPPER LIMIT	1085450	11.986	592828	14.621	647148	16.121
	LOWER LIMIT	271363	10.986	148207	13.621	161787	15.121
	EPA SAMPLE NO.						
01	PB168813BL	522570	11.48	289033	14.12	289854	15.62

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.: Q2555

Client ID : SSTDCCC040 Date Analyzed: 07/22/2025

Lab File ID: BF143177.D Time Analyzed: 08:46

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	137586	6.963	540273	8.25	287067	10.00
	UPPER LIMIT	275172	7.463	1080550	8.745	574134	10.504
	LOWER LIMIT	68793	6.463	270137	7.745	143534	9.504
	EPA SAMPLE NO.						
01	PB168813BS	148818	6.96	576425	8.25	308303	10.00

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.: Q2555

Client ID: SSTDCCC040 Date Analyzed: 07/22/2025

Lab File ID: BF143177.D Time Analyzed: 08:46

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	481775	11.486	251217	14.127	256275	15.633
	UPPER LIMIT	963550	11.986	502434	14.627	512550	16.133
	LOWER LIMIT	240888	10.986	125609	13.627	128138	15.133
	EPA SAMPLE NO.						
01	PB168813BS	540032	11.49	276421	14.13	278917	15.63

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:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	74.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143133.D	1	07/11/25 09:50	07/17/25 03:32	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.18	U	0.031	0.18	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.18	U	0.035	0.18	0.23	mg/Kg
208-96-8	Acenaphthylene	0.18	U	0.039	0.18	0.23	mg/Kg
83-32-9	Acenaphthene	0.18	U	0.029	0.18	0.23	mg/Kg
86-73-7	Fluorene	0.18	U	0.034	0.18	0.23	mg/Kg
85-01-8	Phenanthrene	0.18	U	0.028	0.18	0.23	mg/Kg
120-12-7	Anthracene	0.18	U	0.045	0.18	0.23	mg/Kg
206-44-0	Fluoranthene	0.11	J	0.040	0.18	0.23	mg/Kg
129-00-0	Pyrene	0.18	U	0.049	0.18	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	0.18	U	0.031	0.18	0.23	mg/Kg
218-01-9	Chrysene	0.18	U	0.027	0.18	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.14	J	0.026	0.18	0.23	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.18	U	0.030	0.18	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	0.18	U	0.040	0.18	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.18	U	0.039	0.18	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.18	U	0.037	0.18	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.18	U	0.035	0.18	0.23	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	54.1		37 - 122		54%	SPK: 100
321-60-8	2-Fluorobiphenyl	48.8		44 - 115		49%	SPK: 100
1718-51-0	Terphenyl-d14	29.6	*	54 - 127		30%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	148000	6.969				
1146-65-2	Naphthalene-d8	532000	8.245				
15067-26-2	Acenaphthene-d10	234000	10.004				
1517-22-2	Phenanthrene-d10	324000	11.486				
1719-03-5	Chrysene-d12	294000	14.127				
1520-96-3	Perylene-d12	265000	15.633				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-29-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	74.1
Sample Wt/Vol:	30.06 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143133.D	1	07/11/25 09:50	07/17/25 03:32	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

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

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 17 04:45:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	148153	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	532010	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	233880	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	324353	20.000	ng		0.00
76) Chrysene-d12	14.127	240	293654	20.000	ng		0.00
86) Perylene-d12	15.633	264	265449	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.592	112	640693	68.325	ng		0.00
7) Phenol-d6	6.581	99	820567	69.616	ng		0.00
23) Nitrobenzene-d5	7.522	82	513304	54.126	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	120229	57.653	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	859190	48.833	ng		0.00
79) Terphenyl-d14	13.068	244	594491	29.594	ng		0.00
Target Compounds							Qvalue
32) Benzoic acid	7.922	122	10466	8.654	ng		91
75) Fluoranthene	12.698	202	38282	2.405	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	10200	4.559	ng	#	99
88) Benzo(b)fluoranthene	15.186	252	46105m	3.011	ng		

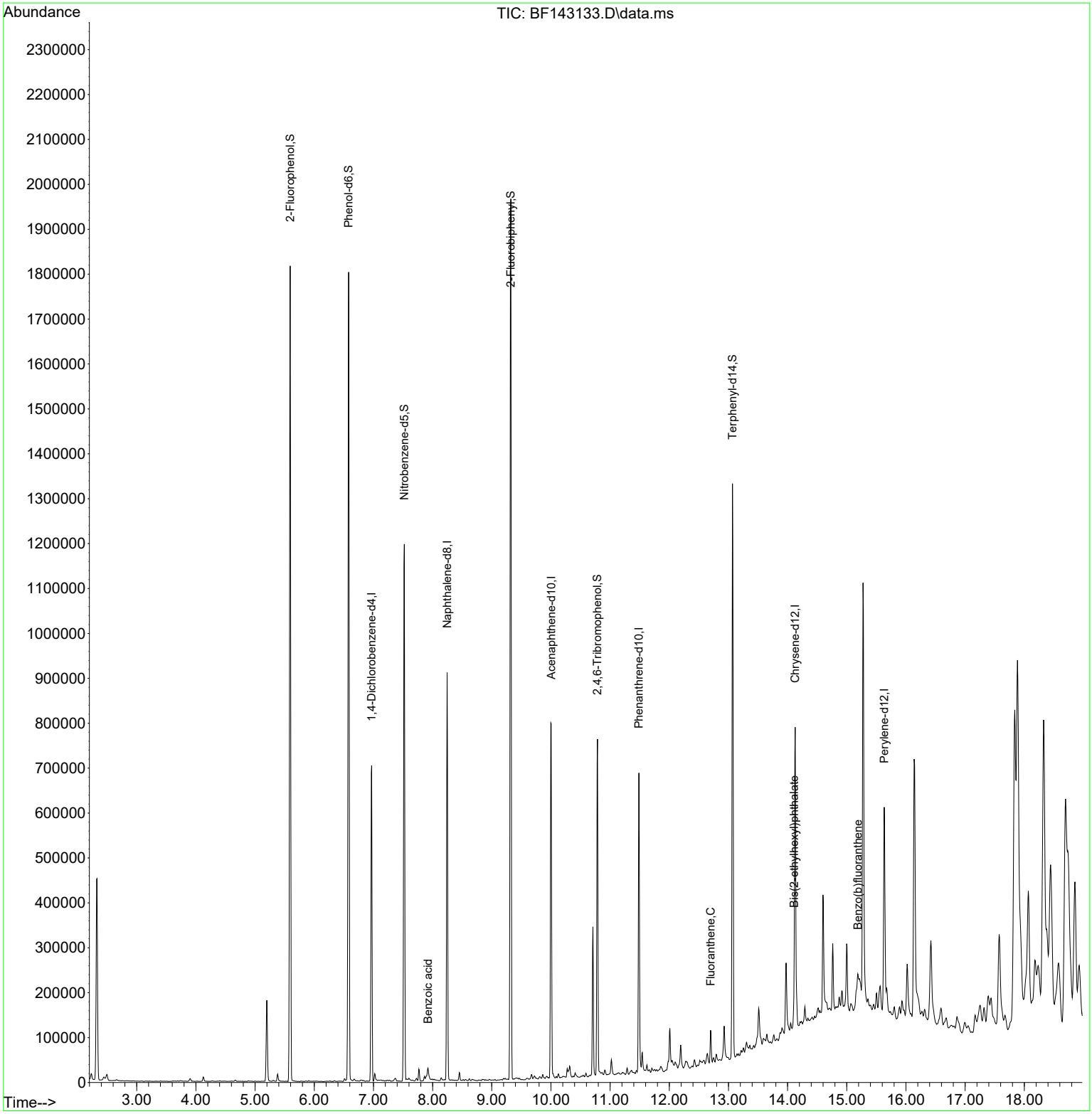
(#) = qualifier out of range (m) = manual integration (+) = signals summed

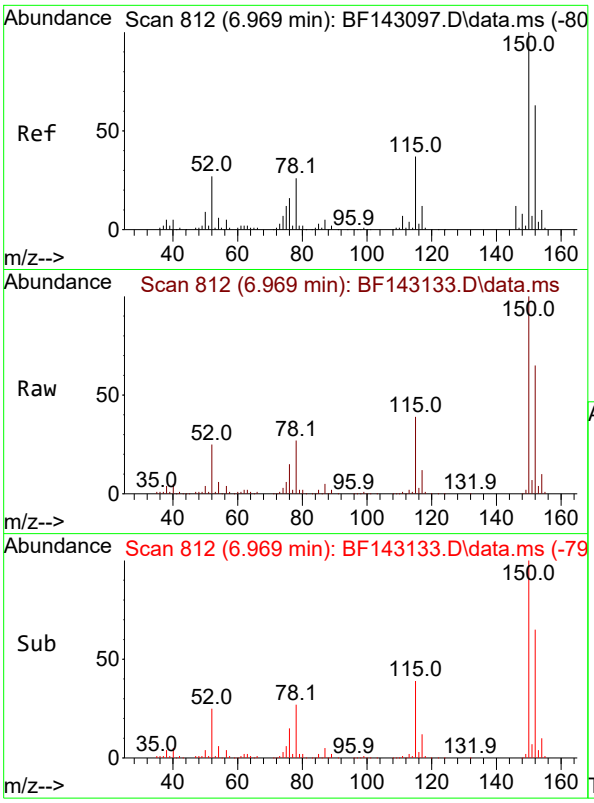
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jul 17 04:45:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

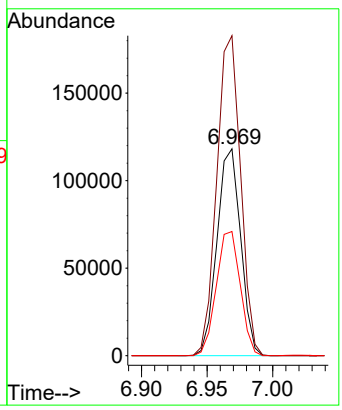




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:152 Resp: 14815

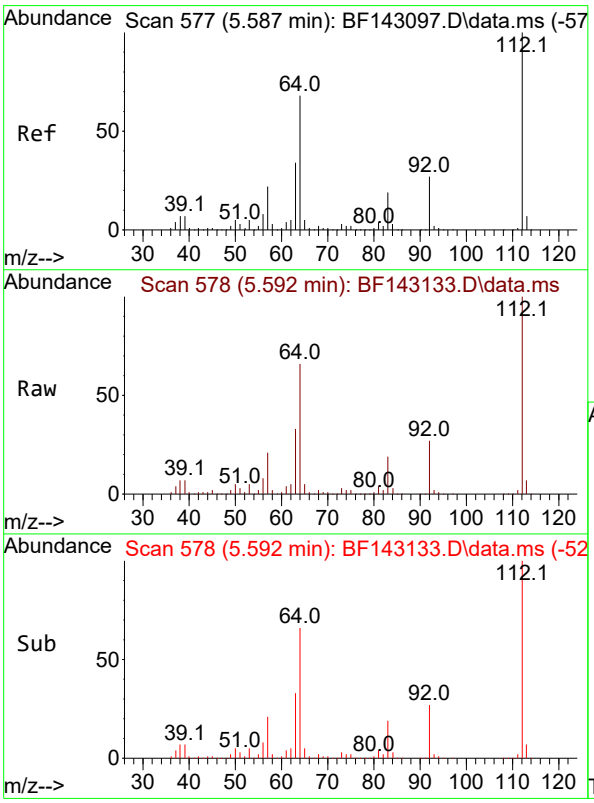
Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.5	189.7
115	60.0	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations
APPROVED

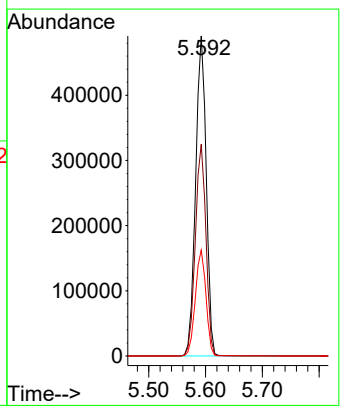
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

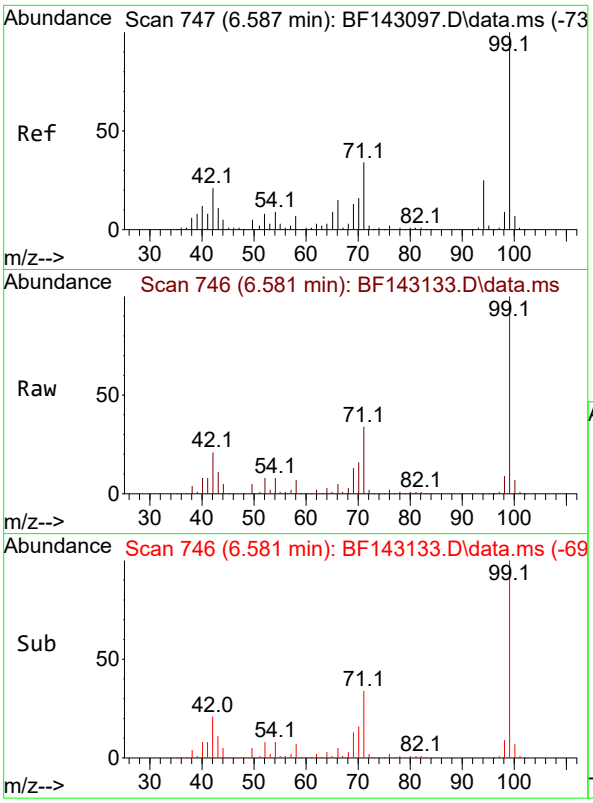


#5
2-Fluorophenol
Concen: 68.325 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:112 Resp: 640693

Ion	Ratio	Lower	Upper
112	100		
64	66.1	54.6	82.0
63	33.1	27.3	40.9

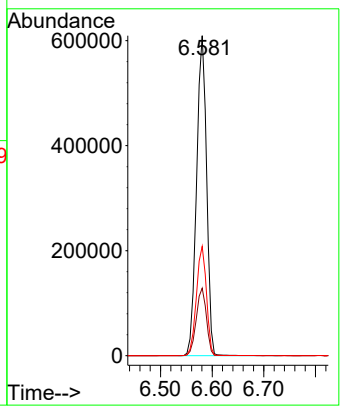




#7
Phenol-d6
Concen: 69.616 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion: 99 Resp: 82056

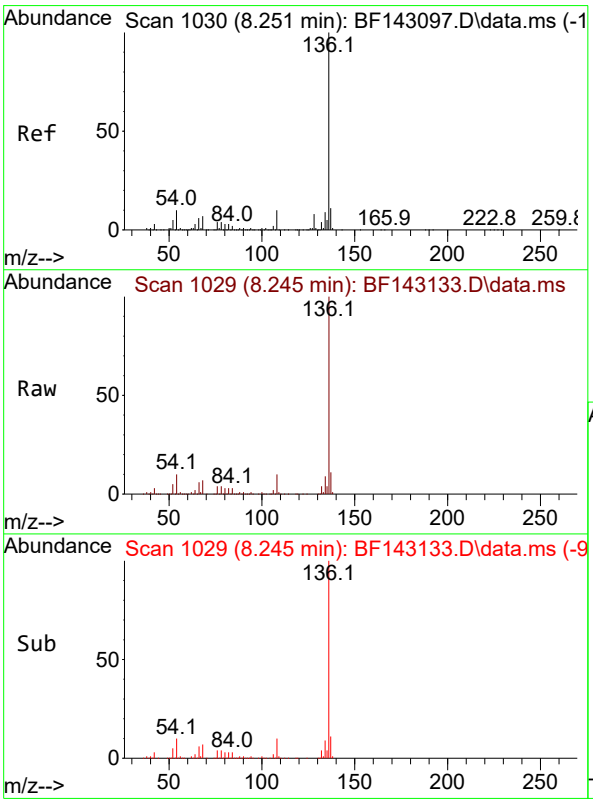
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.2	25.8
71	34.1	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations
APPROVED

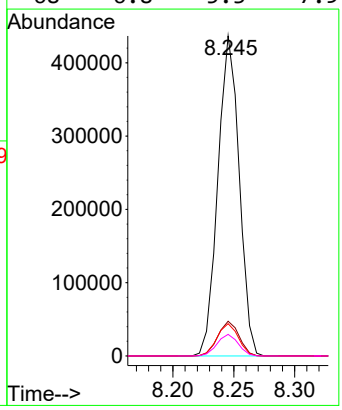
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

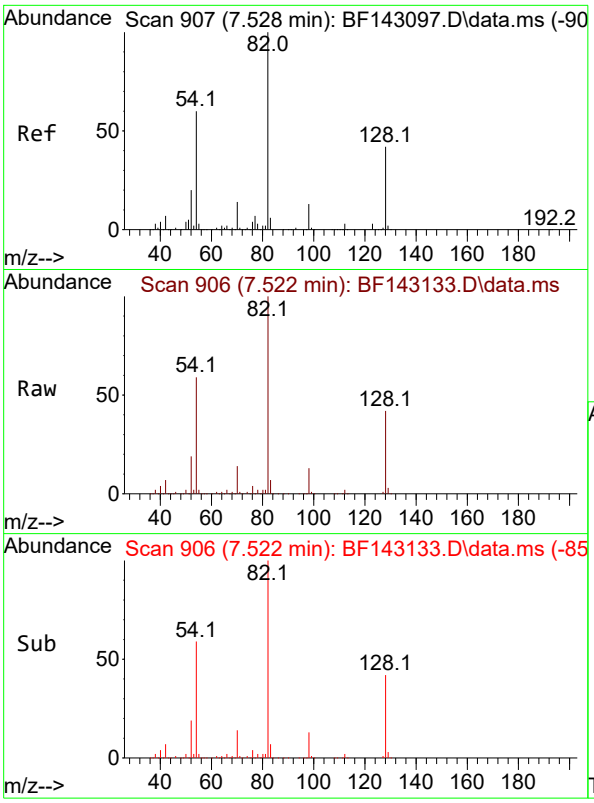


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:136 Resp: 532010

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.1	8.3	12.5
68	6.8	5.3	7.9

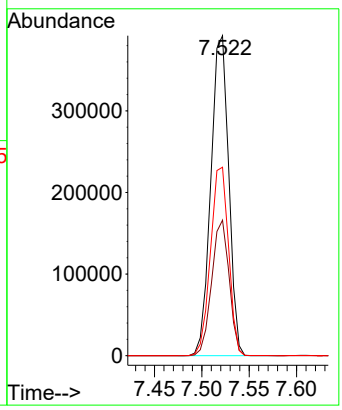




#23
Nitrobenzene-d5
Concen: 54.126 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion: 82 Resp: 51330

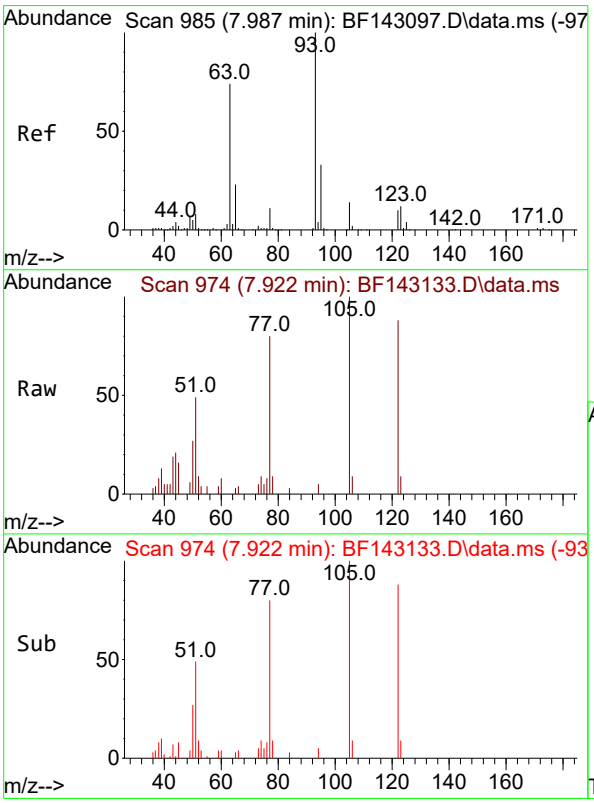
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	58.9	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations
APPROVED

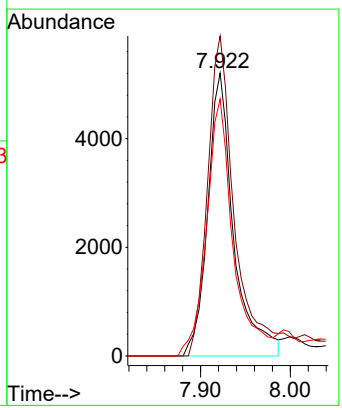
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

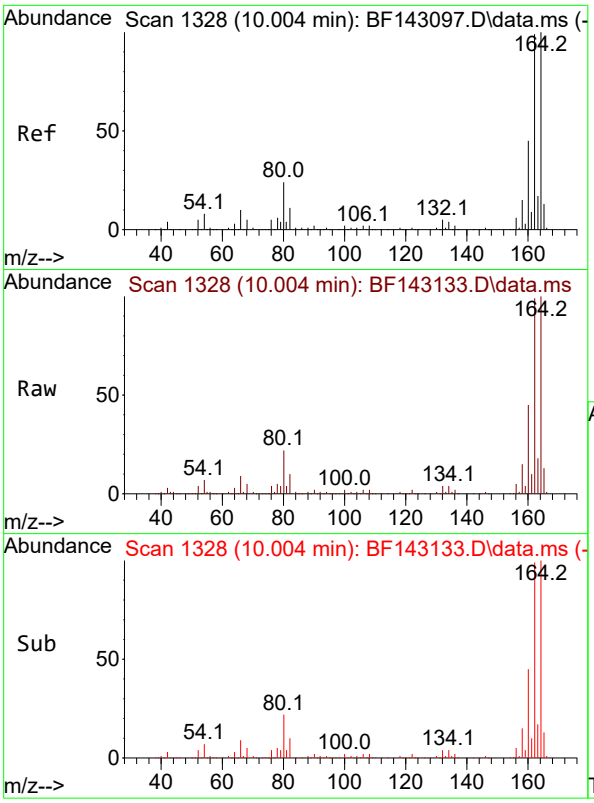


#32
Benzoic acid
Concen: 8.654 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:122 Resp: 10466

Ion	Ratio	Lower	Upper
122	100		
105	113.1	105.4	145.4
77	90.9	78.6	118.6

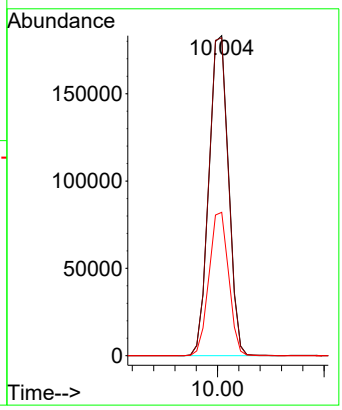




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:164 Resp: 23388

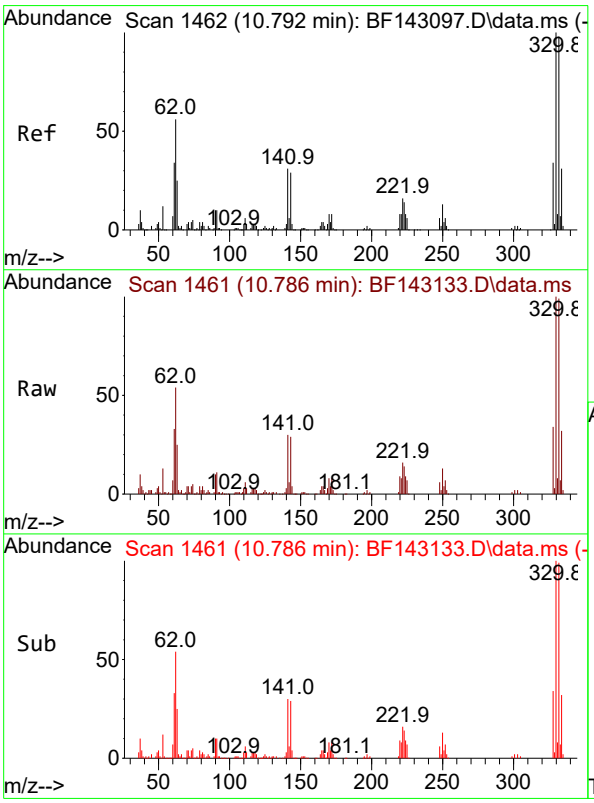
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.0	118.6
160	44.8	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations
APPROVED

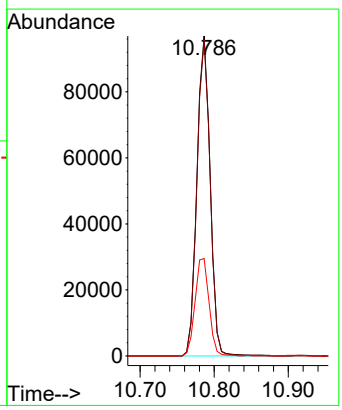
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

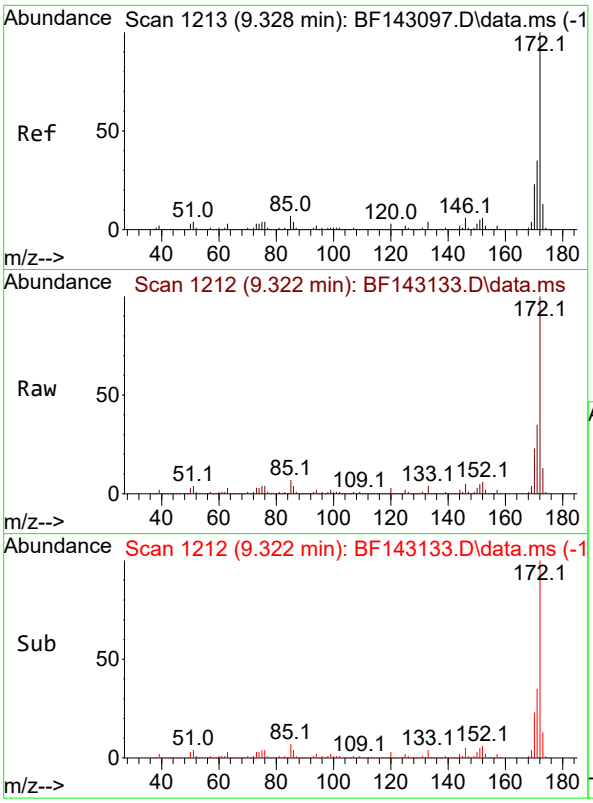


#42
2,4,6-Tribromophenol
Concen: 57.653 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:330 Resp: 120229

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.9	116.9
141	32.1	25.9	38.9

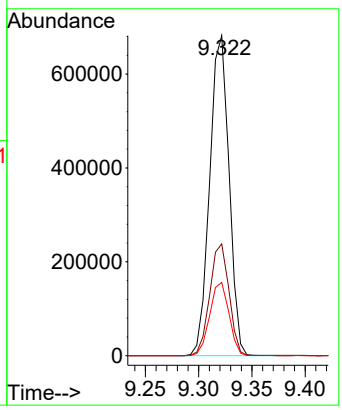




#45
2-Fluorobiphenyl
Concen: 48.833 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:172 Resp: 85919

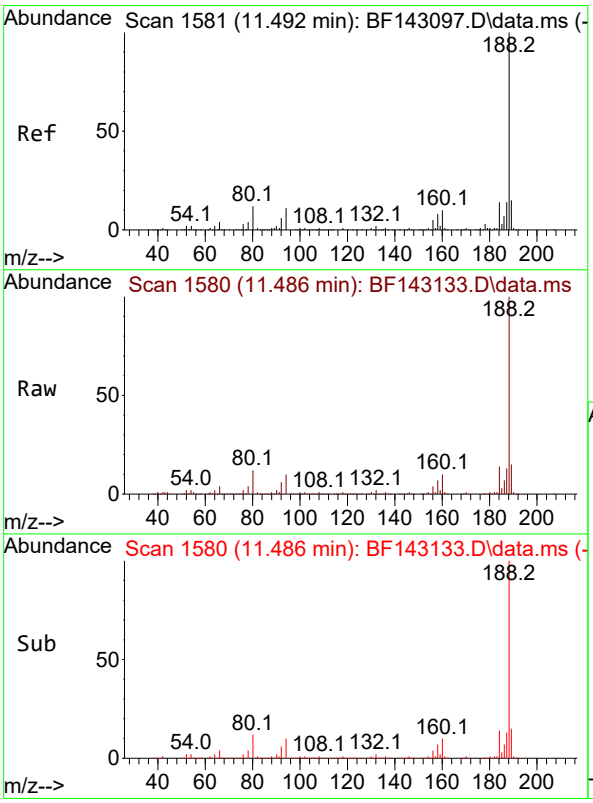
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	22.9	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations
APPROVED

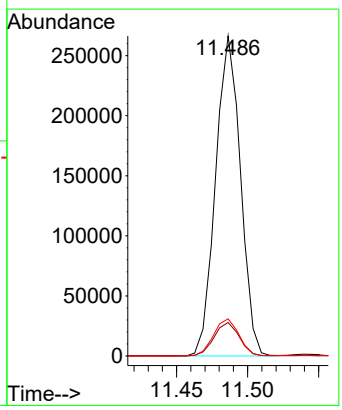
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

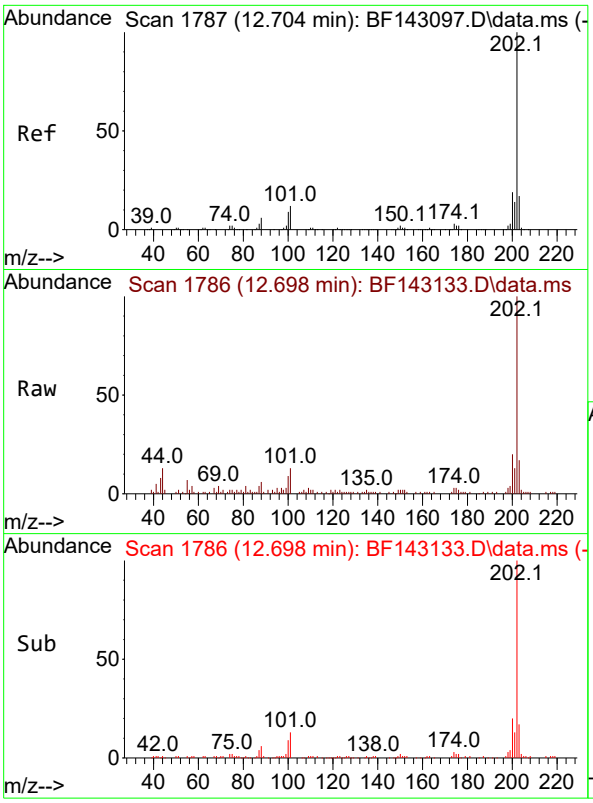


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:188 Resp: 324353

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.6	9.3	13.9





#75
Fluoranthene
Concen: 2.405 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

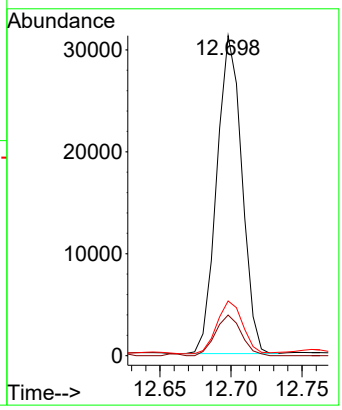
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

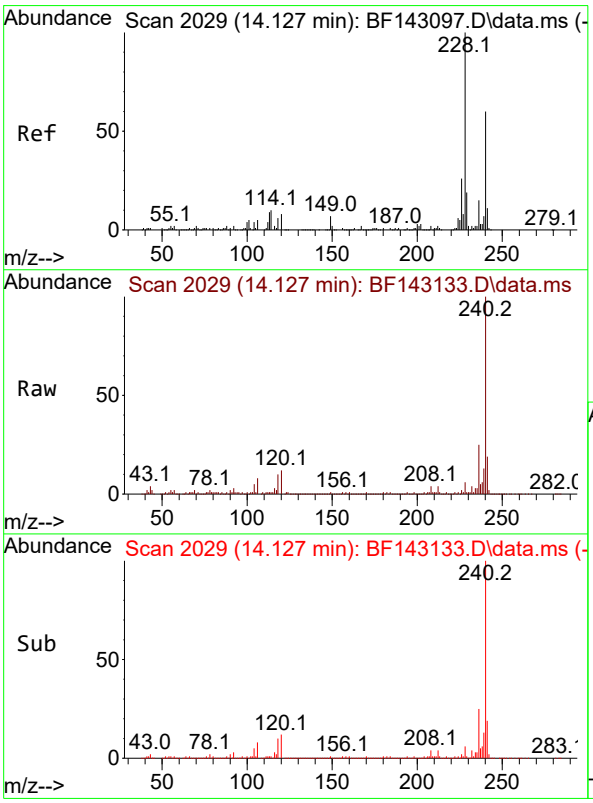
Tgt Ion:202 Resp: 3828

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.4
203	17.1	0.0	37.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

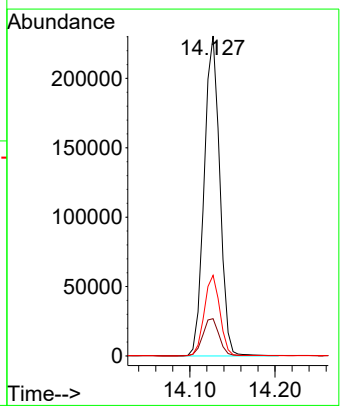


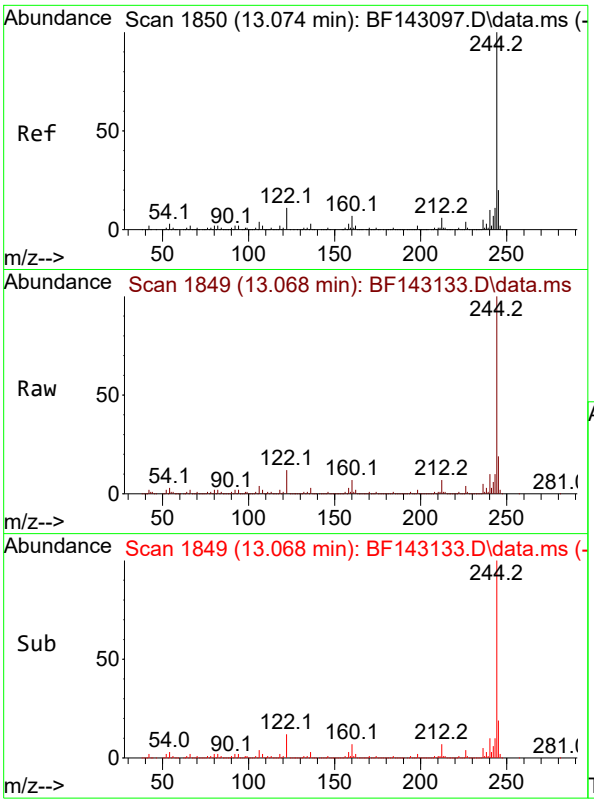


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:240 Resp: 293654

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.2	20.0	30.0

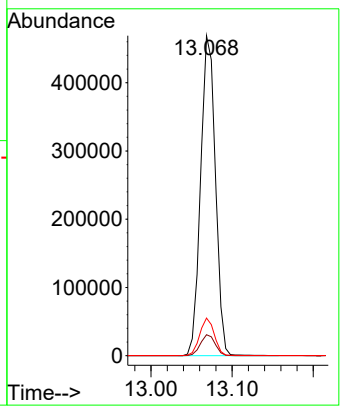




#79
Terphenyl-d14
Concen: 29.594 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:244 Resp: 59449

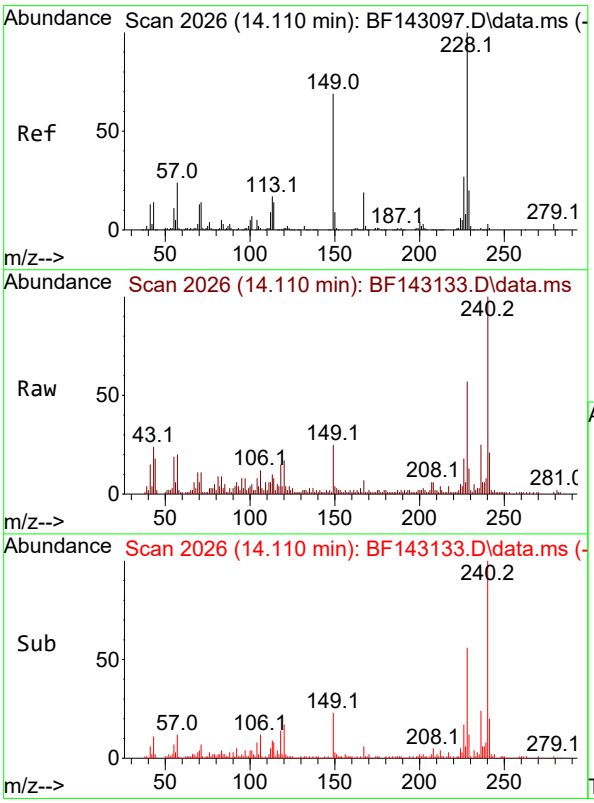
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	11.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations APPROVED

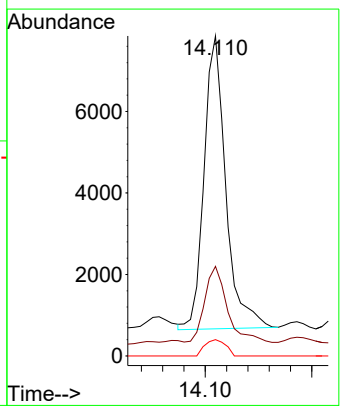
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

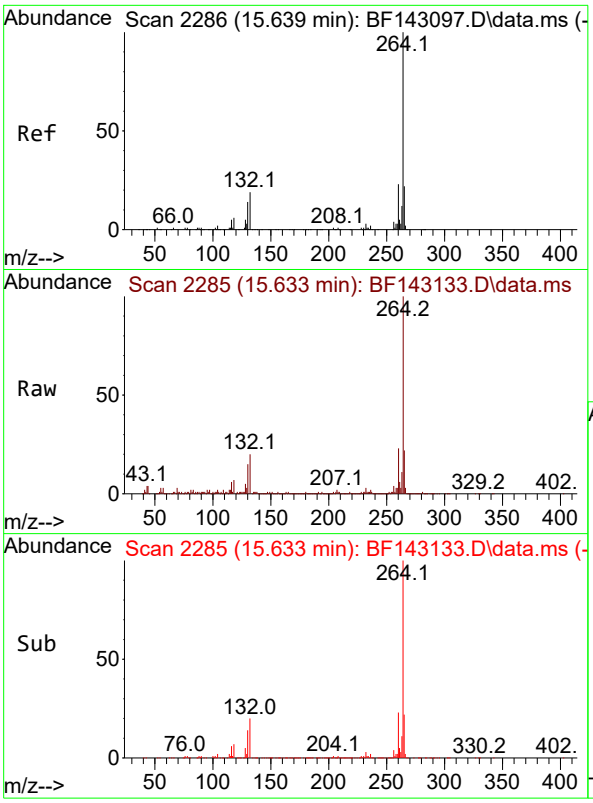


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.559 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:149 Resp: 10200

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.9	32.9
279	5.1	3.4	5.0#

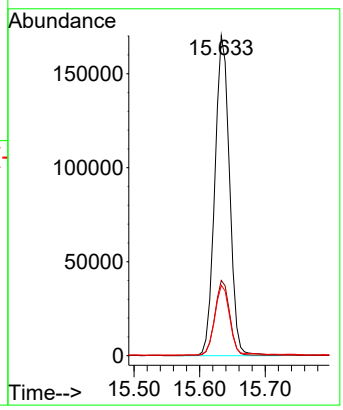




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:264 Resp: 26544

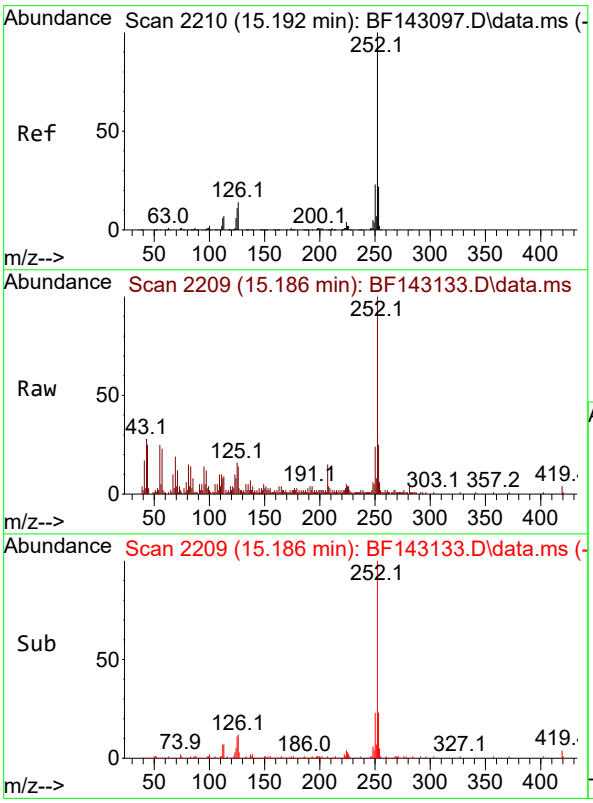
Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.0	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Manual Integrations
APPROVED

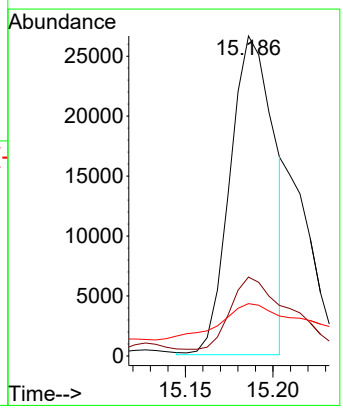
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#88
Benzo(b)fluoranthene
Concen: 3.011 ng m
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:252 Resp: 46105

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	16.3	8.6	13.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143133.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.328	15	23	30	rVB	448736	731493	29.30%	2.148%
2	2.493	46	51	58	rVB	13589	27310	1.09%	0.080%
3	5.198	504	511	520	rBV	180327	267709	10.72%	0.786%
4	5.592	572	578	583	rBV	1815948	2371082	94.97%	6.963%
5	6.581	739	746	751	rBV	1798913	2430762	97.36%	7.139%
6	6.969	806	812	817	rVB	703361	897720	35.96%	2.636%
7	7.022	817	821	829	rBV	17050	27796	1.11%	0.082%
8	7.522	899	906	911	rBV	1195850	1573990	63.05%	4.622%
9	7.769	944	948	953	rVB	26258	31578	1.26%	0.093%
10	7.922	966	974	983	rVB2	25862	56758	2.27%	0.167%
11	8.245	1024	1029	1037	rVB	907556	1113100	44.58%	3.269%
12	9.322	1206	1212	1217	rBV	1961207	2496584	100.00%	7.332%
13	9.998	1322	1327	1332	rBV	791184	1025961	41.09%	3.013%
14	10.316	1379	1381	1389	rVB3	24424	32494	1.30%	0.095%
15	10.710	1443	1448	1455	rVB	330373	403783	16.17%	1.186%
16	10.786	1455	1461	1466	rBV	748216	962083	38.54%	2.825%
17	11.022	1497	1501	1510	rVB2	33357	50706	2.03%	0.149%
18	11.486	1575	1580	1587	rBV	665893	847164	33.93%	2.488%
19	11.545	1587	1590	1596	rVB2	40383	54852	2.20%	0.161%
20	12.010	1660	1669	1673	rBV3	92947	166104	6.65%	0.488%
21	12.192	1696	1700	1708	rVB4	51503	80242	3.21%	0.236%
22	12.645	1772	1777	1782	rVB4	21015	37290	1.49%	0.110%
23	12.698	1782	1786	1791	rBV	72740	93401	3.74%	0.274%
24	12.792	1799	1802	1808	rBV4	17389	29060	1.16%	0.085%
25	12.927	1820	1825	1834	rVB	70141	109885	4.40%	0.323%
26	13.068	1844	1849	1857	rBV	1278510	1626775	65.16%	4.777%
27	13.510	1920	1924	1934	rVB3	79690	161120	6.45%	0.473%
28	13.974	1998	2003	2013	rBV2	155618	278373	11.15%	0.818%
29	14.127	2023	2029	2040	rVB	664197	1015156	40.66%	2.981%
30	14.598	2105	2109	2118	rBV	259785	418420	16.76%	1.229%
31	14.762	2133	2137	2143	rBV	146941	198055	7.93%	0.582%
32	14.998	2174	2177	2185	rVB	148847	219673	8.80%	0.645%
33	15.274	2219	2224	2235	rVB	933375	1476372	59.14%	4.336%
34	15.633	2280	2285	2290	rBV	445663	689960	27.64%	2.026%
35	16.021	2346	2351	2360	rBV	111402	210570	8.43%	0.618%
36	16.139	2365	2371	2389	rBV	572941	1232096	49.35%	3.618%

Sample Results: **BF143133.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	16.421	2413	2419	2435	rVB3	186638	496300	19.88%	1.458%
38	17.574	2609	2615	2628	rVB4	190951	485028	19.43%	1.424%
39	17.839	2651	2660	2664	rBV2	682157	1895499	75.92%	5.567%
40	17.886	2664	2668	2685	rVB3	767015	2248275	90.05%	6.603%
41	18.068	2694	2699	2707	rVB	249681	584528	23.41%	1.717%
42	18.180	2714	2718	2723	rBV4	69258	153771	6.16%	0.452%
43	18.327	2735	2743	2750	rBV	605842	1643882	65.85%	4.828%
44	18.445	2757	2763	2774	rVB5	310512	953608	38.20%	2.801%
45	18.698	2797	2806	2811	rBV2	491480	1538343	61.62%	4.518%
46	18.856	2826	2833	2840	rBV2	251098	606354	24.29%	1.781%

Sum of corrected areas: 34051065

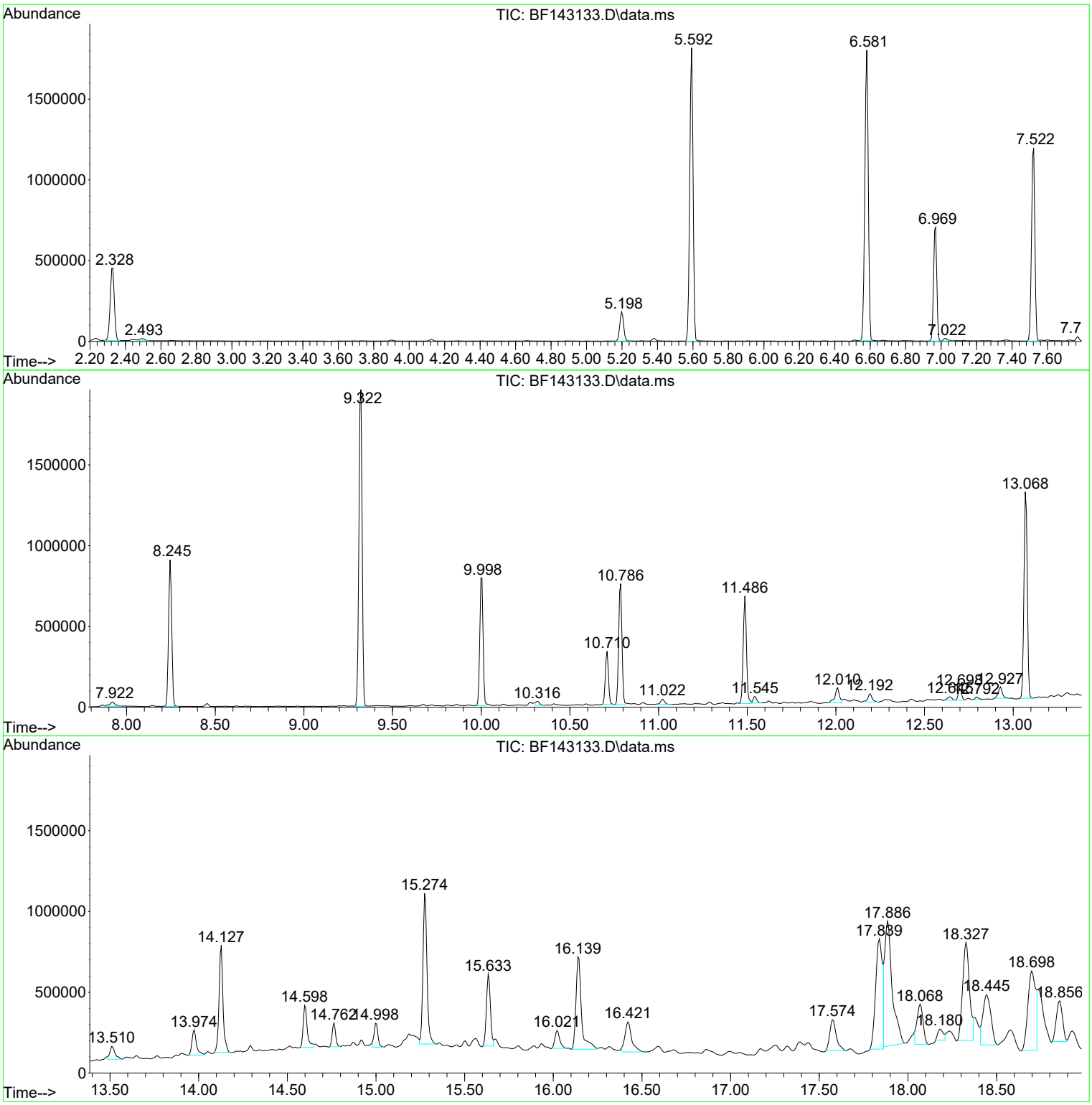
Sample Results: **BF143133.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.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:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143135.D	1	07/11/25 09:50	07/17/25 04:31	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.17	U	0.030	0.17	0.22	mg/Kg
91-57-6	2-Methylnaphthalene	0.17	U	0.033	0.17	0.22	mg/Kg
208-96-8	Acenaphthylene	0.17	U	0.038	0.17	0.22	mg/Kg
83-32-9	Acenaphthene	0.17	U	0.028	0.17	0.22	mg/Kg
86-73-7	Fluorene	0.17	U	0.033	0.17	0.22	mg/Kg
85-01-8	Phenanthrene	0.17	U	0.027	0.17	0.22	mg/Kg
120-12-7	Anthracene	0.17	U	0.043	0.17	0.22	mg/Kg
206-44-0	Fluoranthene	0.13	J	0.039	0.17	0.22	mg/Kg
129-00-0	Pyrene	0.17	U	0.047	0.17	0.22	mg/Kg
56-55-3	Benzo(a)anthracene	0.17	U	0.030	0.17	0.22	mg/Kg
218-01-9	Chrysene	0.17	U	0.026	0.17	0.22	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.11	J	0.025	0.17	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.17	U	0.029	0.17	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.17	U	0.038	0.17	0.22	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.17	U	0.038	0.17	0.22	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.17	U	0.036	0.17	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.17	U	0.034	0.17	0.22	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	54.6		37 - 122		55%	SPK: 100
321-60-8	2-Fluorobiphenyl	51.6		44 - 115		52%	SPK: 100
1718-51-0	Terphenyl-d14	34.1	*	54 - 127		34%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	145000	6.969				
1146-65-2	Naphthalene-d8	504000	8.245				
15067-26-2	Acenaphthene-d10	212000	10.004				
1517-22-2	Phenanthrene-d10	313000	11.486				
1719-03-5	Chrysene-d12	293000	14.127				
1520-96-3	Perylene-d12	230000	15.633				
TENTATIVE IDENTIFIED COMPOUNDS							

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/09/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	OU4-TS-30-070925	SDG No.:	Q2555
Lab Sample ID:	Q2555-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	76.6
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143135.D	1	07/11/25 09:50	07/17/25 04:31	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
15972608	Alachlor	N.D					
82-68-8	Quintozine	N.D					

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

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 17 04:46:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	144850	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	503587	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	212132	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	313345	20.000	ng	0.00
76) Chrysene-d12	14.127	240	292725	20.000	ng	0.00
86) Perylene-d12	15.633	264	230038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	617315	67.333	ng	0.00
7) Phenol-d6	6.581	99	799294	69.357	ng	0.00
23) Nitrobenzene-d5	7.522	82	490298	54.618	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	127302	67.303	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	824001	51.634	ng	0.00
79) Terphenyl-d14	13.068	244	683589	34.137	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	7.922	122	9781	8.627	ng	90
75) Fluoranthene	12.698	202	44404	2.888	ng	98
84) Bis(2-ethylhexyl)phtha...	14.110	149	12473	4.819	ng	95
88) Benzo(b)fluoranthene	15.186	252	33424m	2.519	ng	

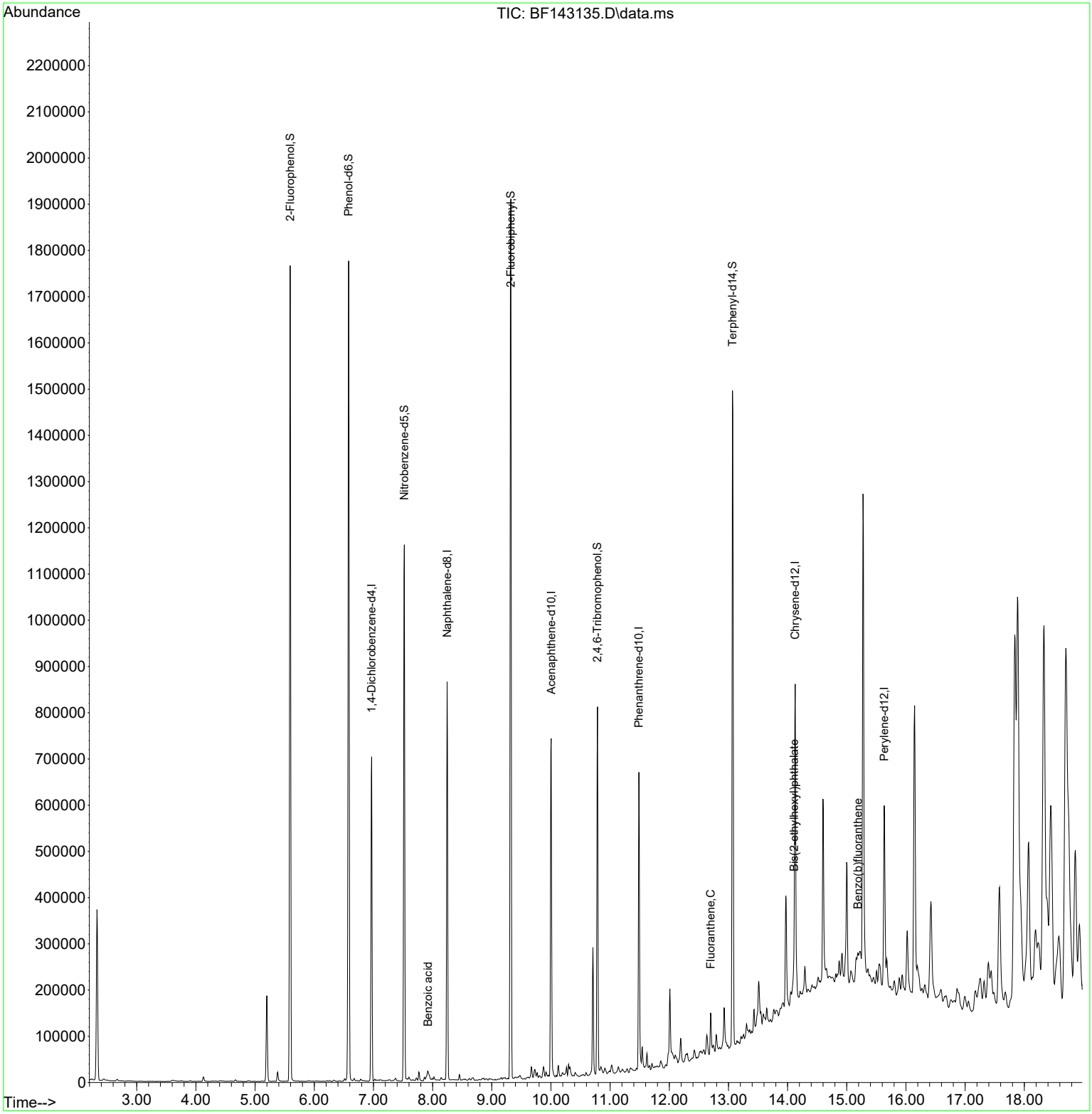
(#) = qualifier out of range (m) = manual integration (+) = signals summed

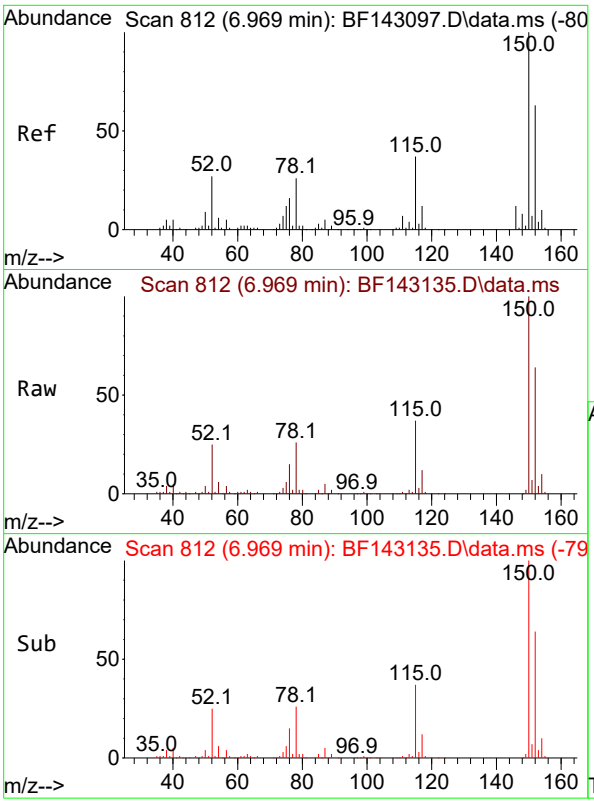
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 17 04:46:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

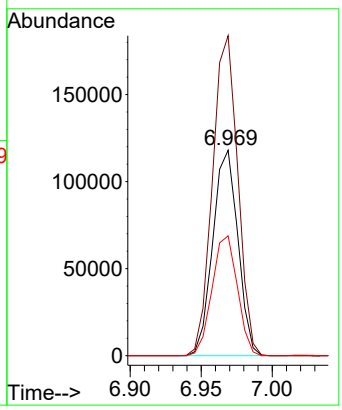




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:152 Resp: 14485

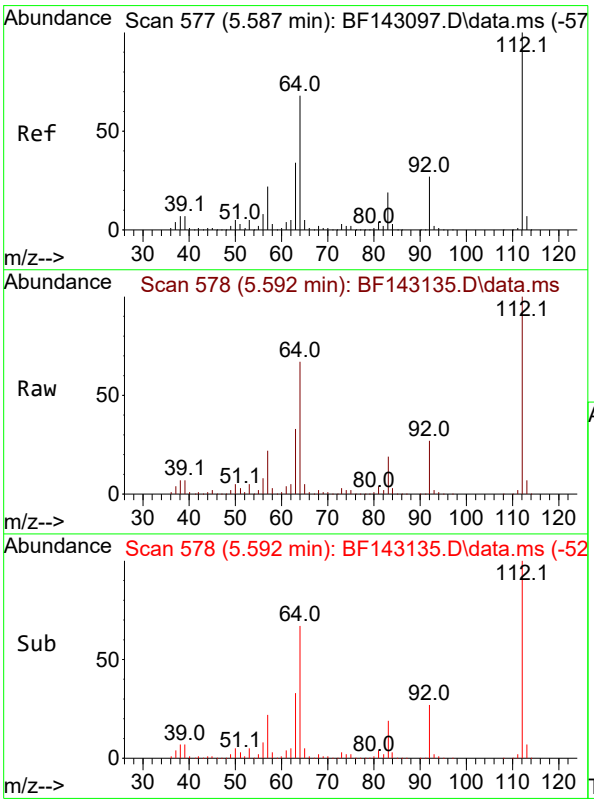
Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.5	189.7
115	58.4	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

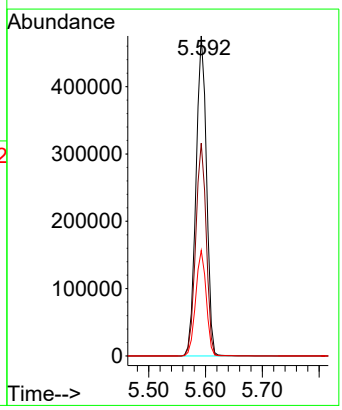
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

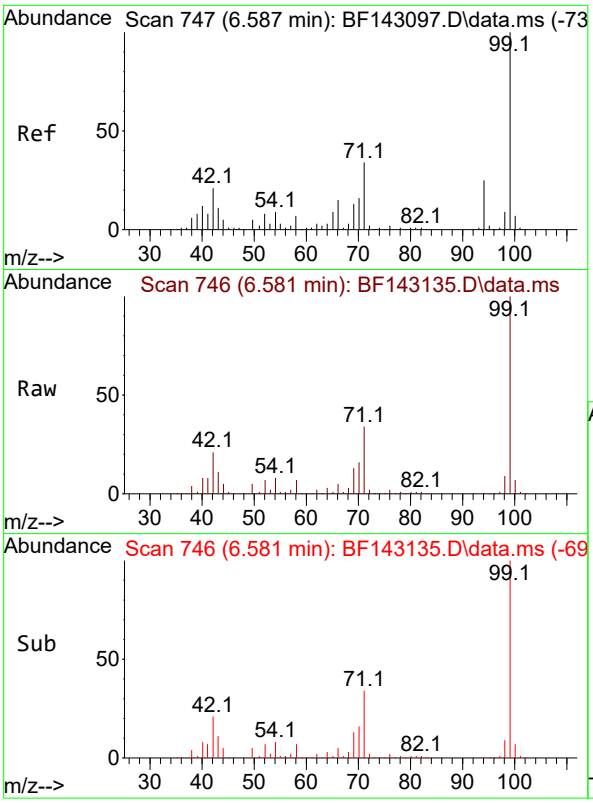


#5
2-Fluorophenol
Concen: 67.333 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:112 Resp: 617315

Ion	Ratio	Lower	Upper
112	100		
64	66.5	54.6	82.0
63	32.9	27.3	40.9

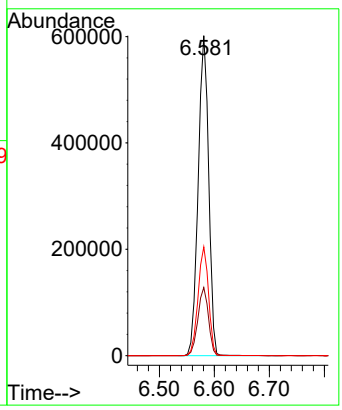




#7
Phenol-d6
Concen: 69.357 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion: 99 Resp: 79929

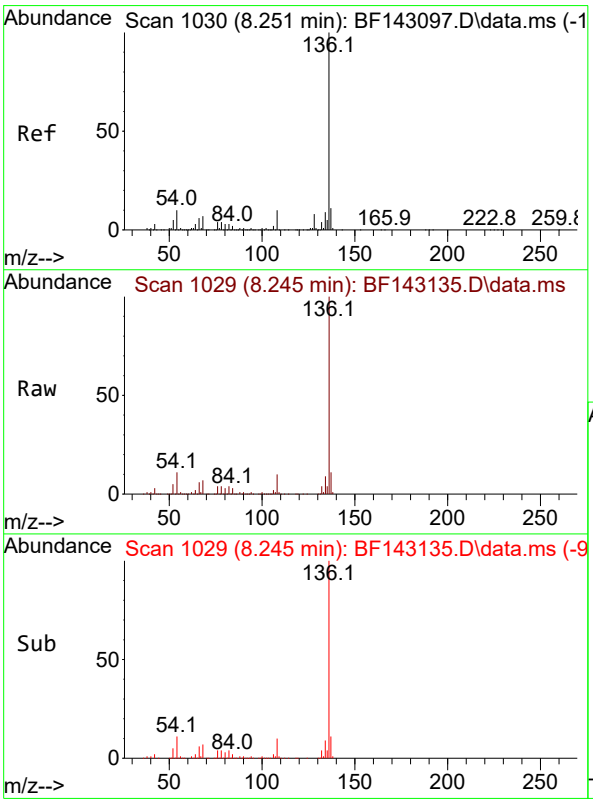
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	34.0	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

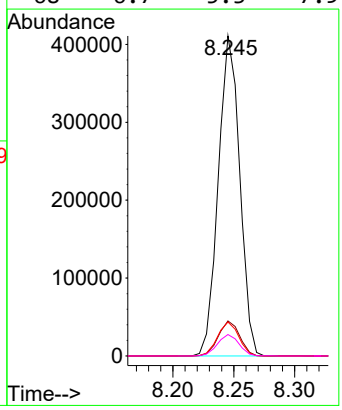
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

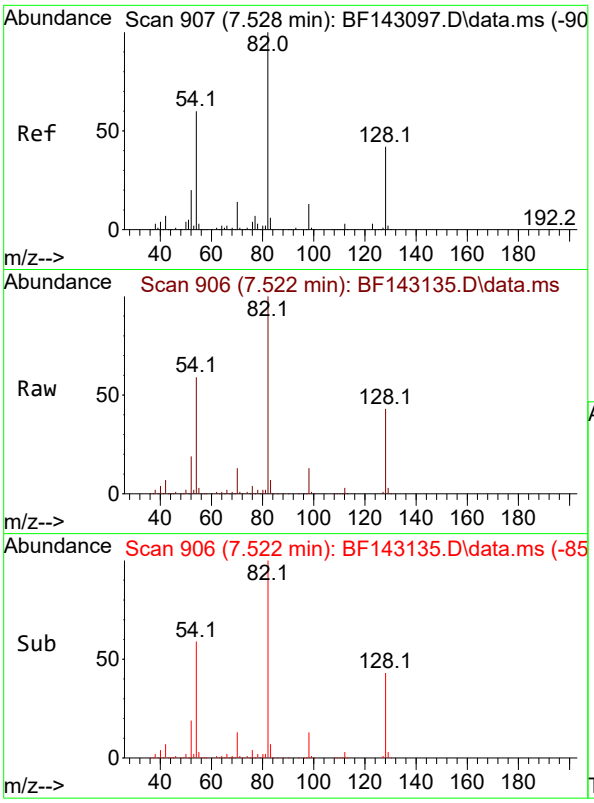


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:136 Resp: 503587

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.6	8.3	12.5
68	6.7	5.3	7.9

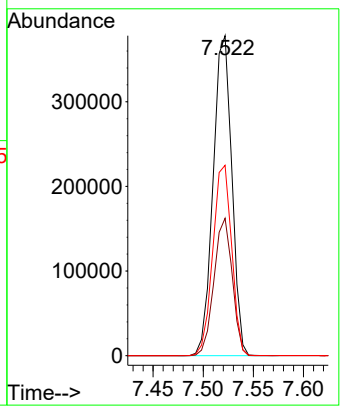




#23
Nitrobenzene-d5
Concen: 54.618 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion: 82 Resp: 490298

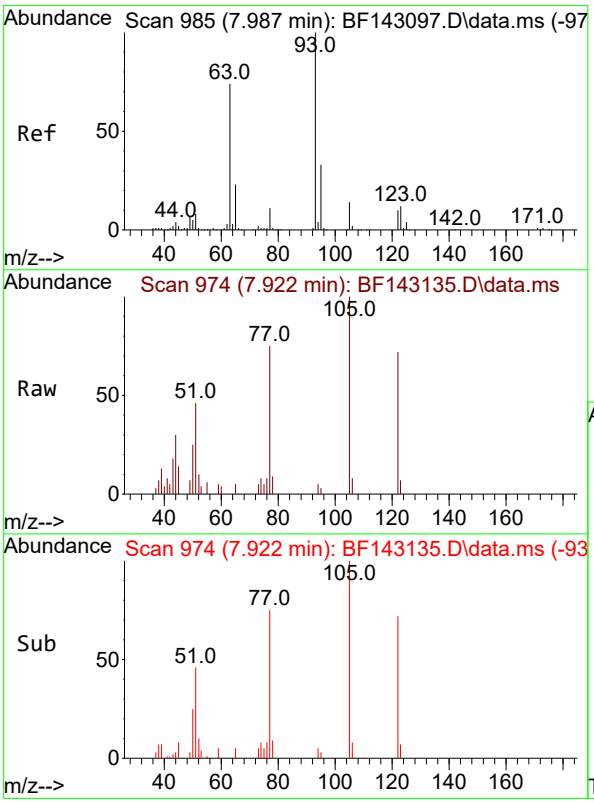
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	59.5	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

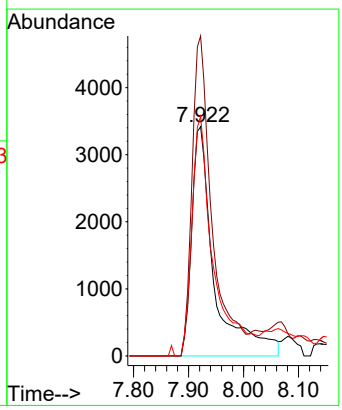
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

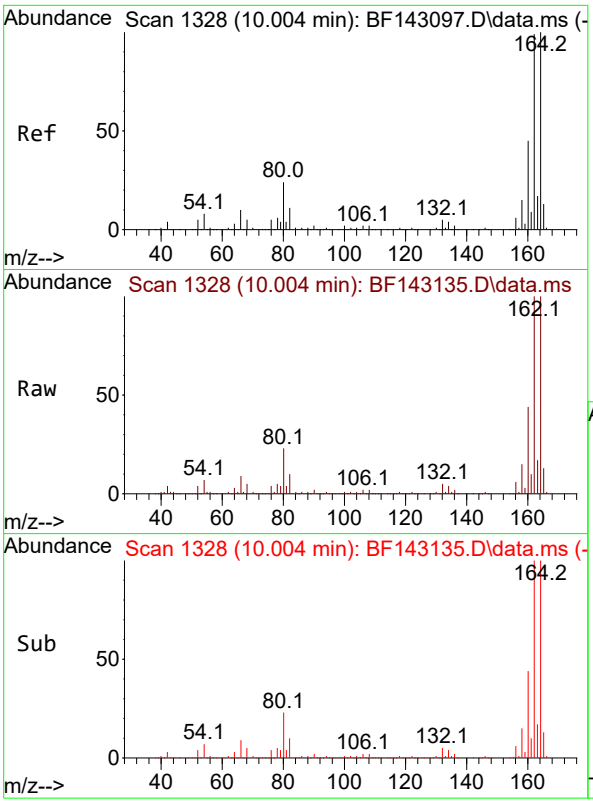


#32
Benzoic acid
Concen: 8.627 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:122 Resp: 9781

Ion	Ratio	Lower	Upper
122	100		
105	139.6	105.4	145.4
77	104.5	78.6	118.6

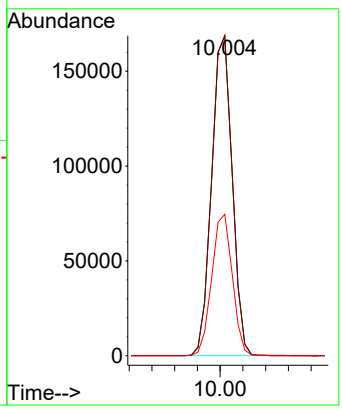




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:164 Resp: 21213

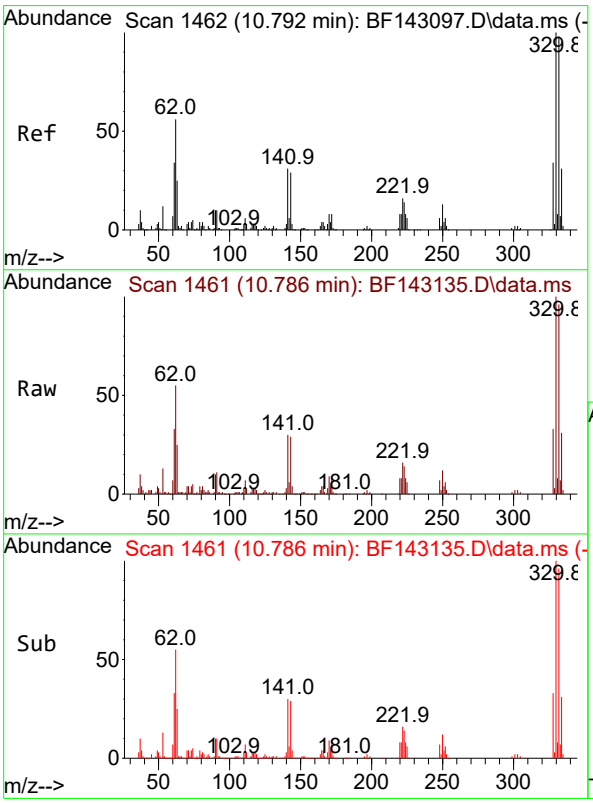
Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.0	118.6
160	44.2	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

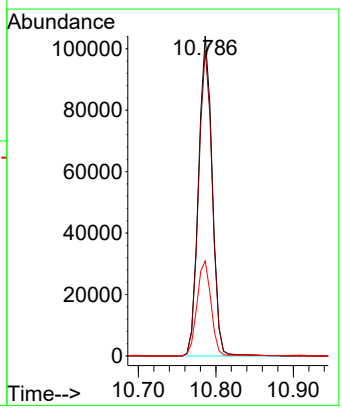
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

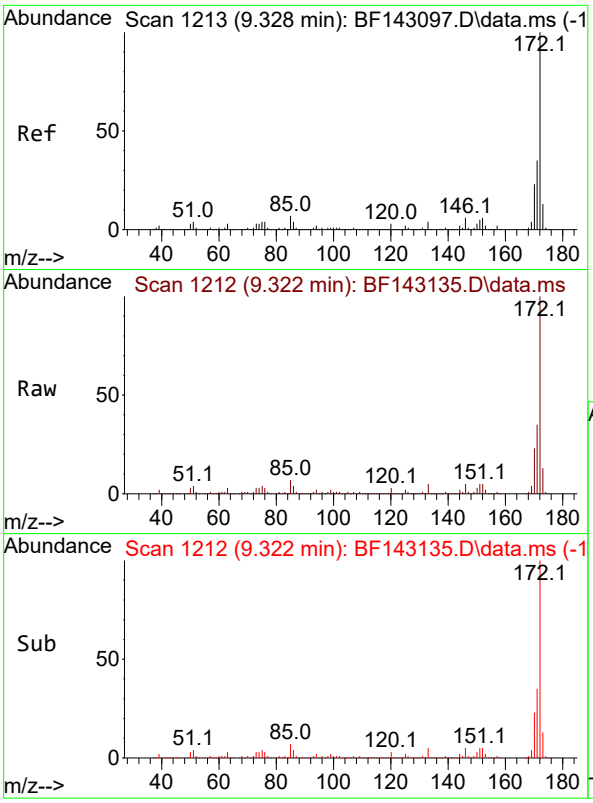


#42
2,4,6-Tribromophenol
Concen: 67.303 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:330 Resp: 127302

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.9	116.9
141	30.3	25.9	38.9

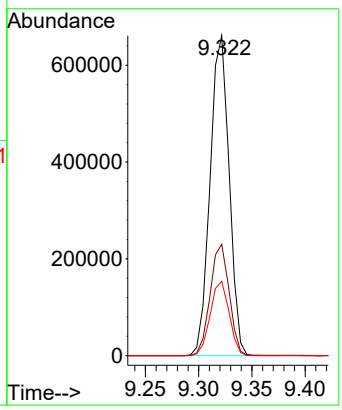




#45
2-Fluorobiphenyl
Concen: 51.634 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:172 Resp: 82400

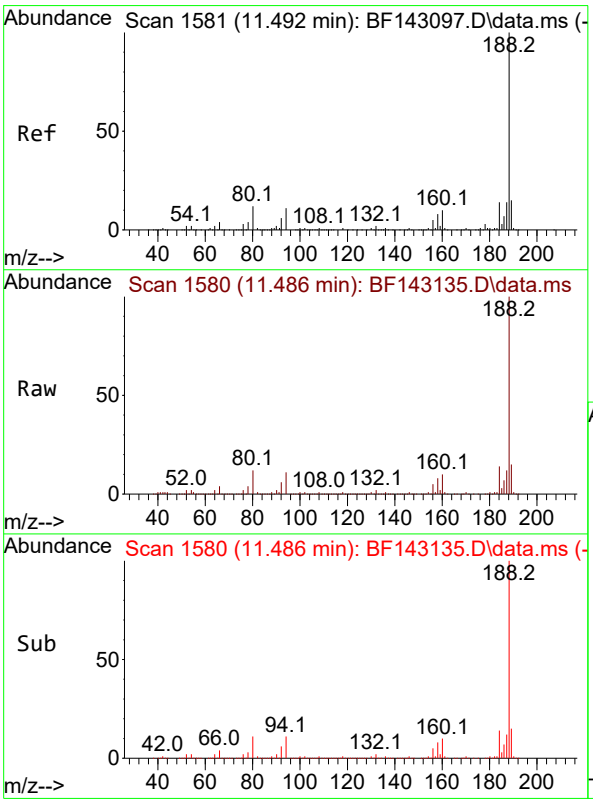
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.3	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

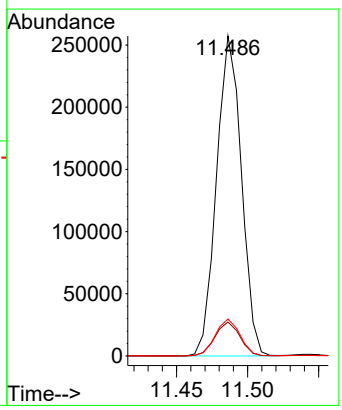
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

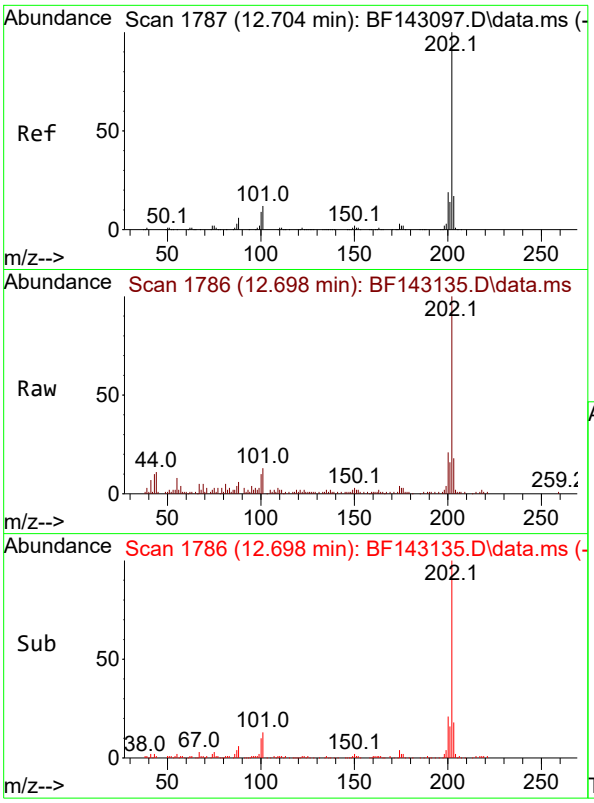


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:188 Resp: 313345

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	11.5	9.3	13.9

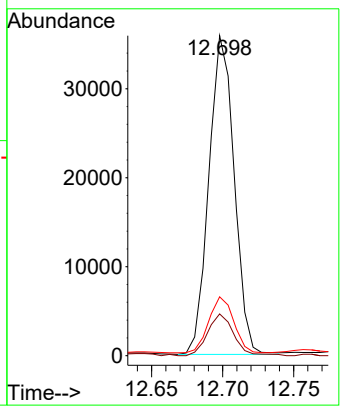




#75
Fluoranthene
Concen: 2.888 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:202 Resp: 4440

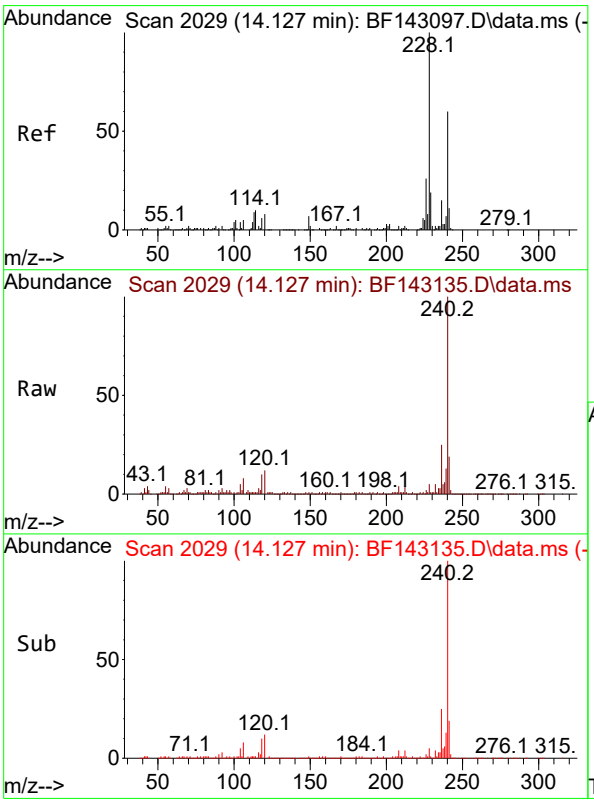
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	32.4
203	18.4	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

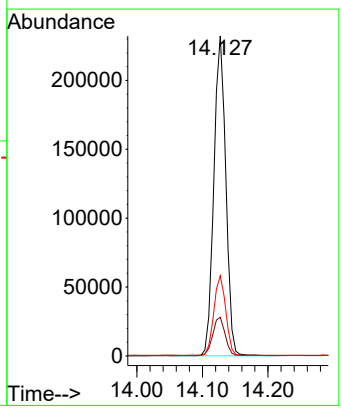
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

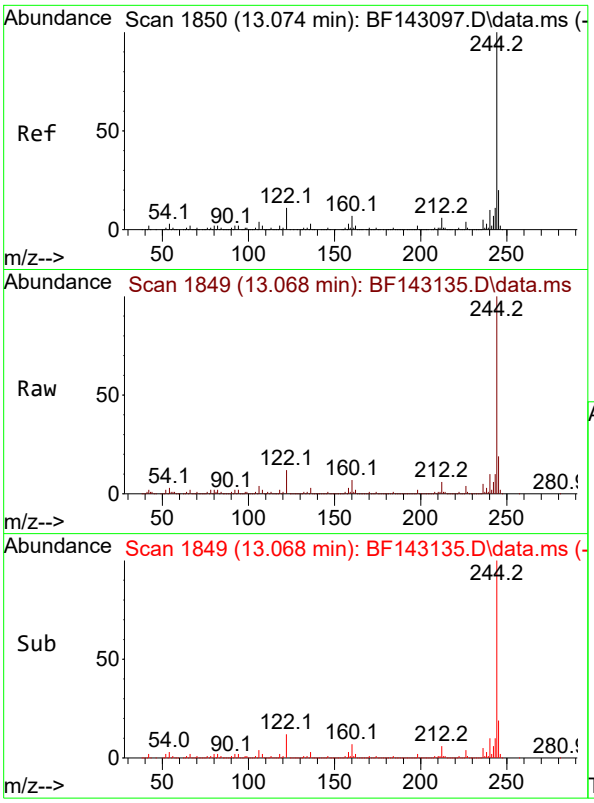


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:240 Resp: 292725

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.0	15.0
236	25.1	20.0	30.0

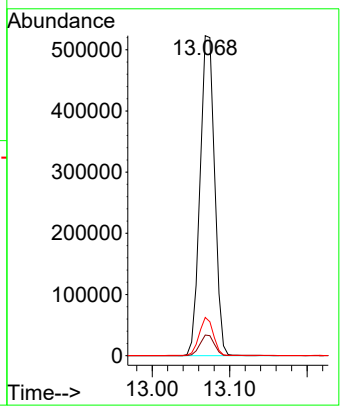




#79
Terphenyl-d14
Concen: 34.137 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:244 Resp: 68358

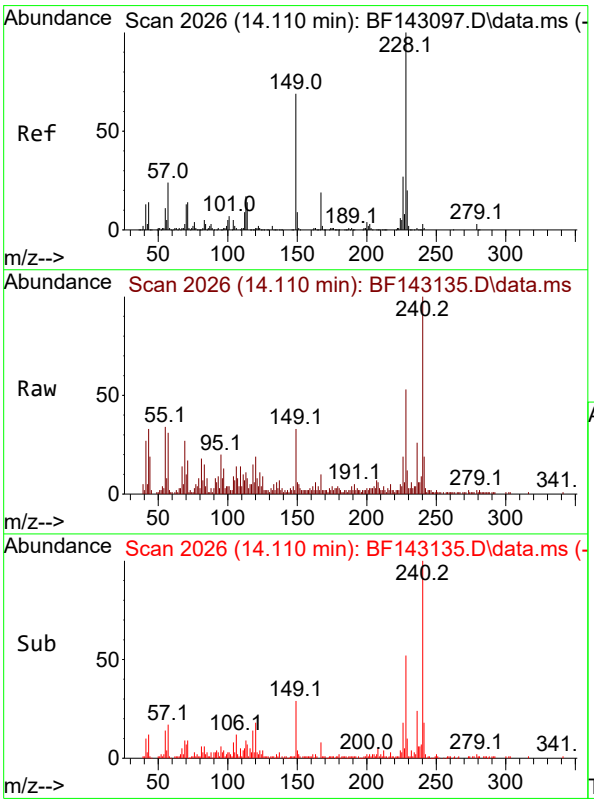
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	12.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

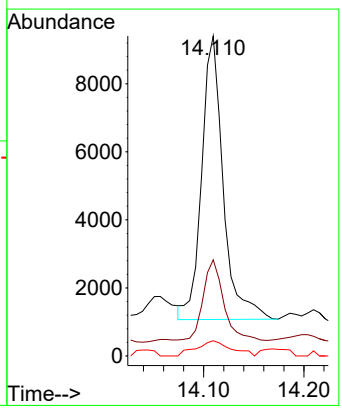
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025

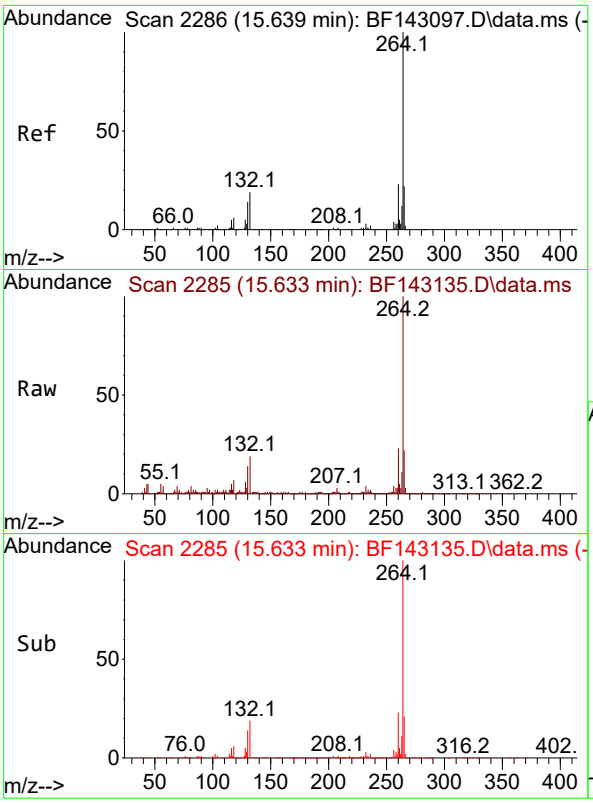


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.819 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:149 Resp: 12473

Ion	Ratio	Lower	Upper
149	100		
167	30.0	21.9	32.9
279	4.8	3.4	5.0

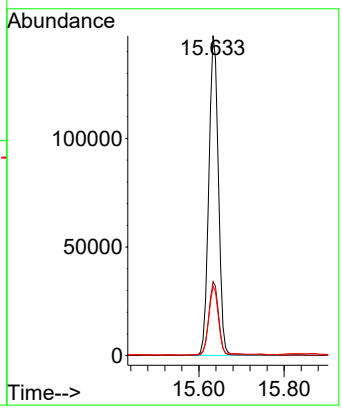




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:264 Resp: 23003

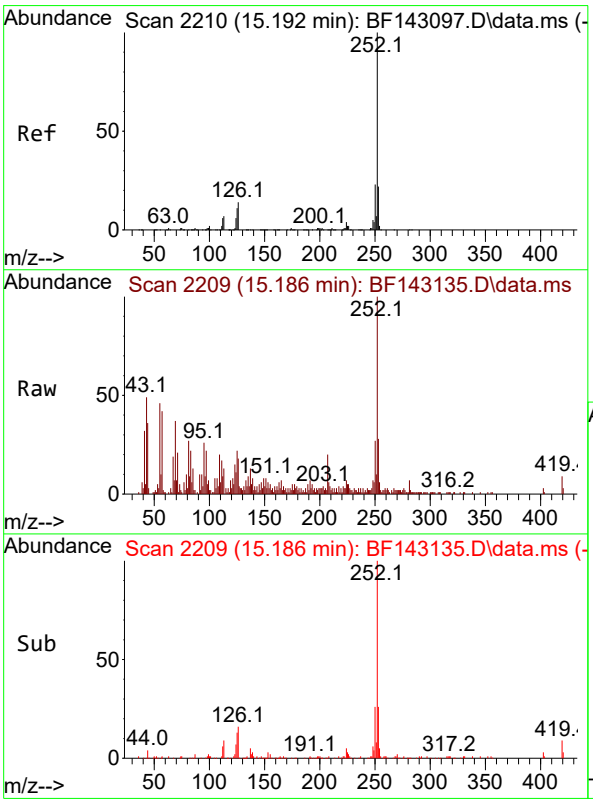
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.6	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Manual Integrations
APPROVED

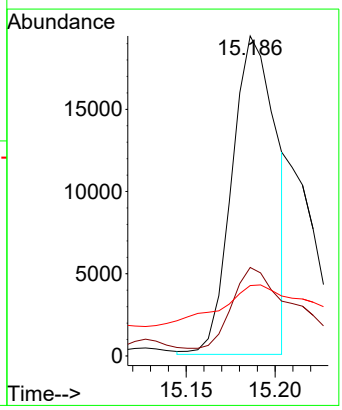
Reviewed By :Rahul Chavli 07/17/2025
Supervised By :Jagrut Upadhyay 07/17/2025



#88
Benzo(b)fluoranthene
Concen: 2.519 ng m
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:252 Resp: 33424

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.5	26.3#
125	22.0	8.6	13.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143135.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.328	15	23	34	rVB	369168	585955	17.14%	1.553%
2	5.198	504	511	524	rVB	185715	270581	7.91%	0.717%
3	5.592	569	578	594	rBV	1764512	2292182	67.05%	6.075%
4	6.581	738	746	758	rVB	1773651	2384728	69.76%	6.320%
5	6.969	803	812	817	rBV	701966	879225	25.72%	2.330%
6	7.522	897	906	916	rBV	1160300	1521164	44.50%	4.032%
7	8.245	1022	1029	1037	rVB	861045	1060852	31.03%	2.812%
8	9.322	1201	1212	1219	rBV	1904204	2400922	70.23%	6.363%
9	10.004	1322	1328	1339	rVB	732269	955248	27.94%	2.532%
10	10.710	1440	1448	1455	rBV	274330	346028	10.12%	0.917%
11	10.786	1455	1461	1468	rBV	794501	999912	29.25%	2.650%
12	11.486	1575	1580	1587	rBV	642637	826205	24.17%	2.190%
13	12.010	1660	1669	1681	rBV3	167013	345708	10.11%	0.916%
14	12.698	1782	1786	1791	rBV	90154	131632	3.85%	0.349%
15	12.927	1820	1825	1839	rVB	88181	165238	4.83%	0.438%
16	13.068	1843	1849	1857	rBV	1418516	1857133	54.32%	4.922%
17	13.510	1920	1924	1934	rVB4	91695	196099	5.74%	0.520%
18	13.968	1997	2002	2012	rBV2	239522	398115	11.65%	1.055%
19	14.127	2023	2029	2040	rVB	677956	1053907	30.83%	2.793%
20	14.598	2104	2109	2117	rBV	391173	589113	17.23%	1.561%
21	14.998	2173	2177	2184	rVB	260458	410211	12.00%	1.087%
22	15.274	2219	2224	2234	rVB	1035213	1619407	47.37%	4.292%
23	15.633	2280	2285	2290	rBV	383196	598516	17.51%	1.586%
24	16.021	2346	2351	2363	rVB	132290	264291	7.73%	0.700%
25	16.145	2365	2372	2378	rBV	620598	1142509	33.42%	3.028%
26	16.421	2412	2419	2433	rVB4	208246	545570	15.96%	1.446%
27	17.392	2580	2584	2589	rBV7	53858	112282	3.28%	0.298%
28	17.580	2609	2616	2628	rVB5	243396	616383	18.03%	1.634%
29	17.839	2651	2660	2664	rBV	777222	2127355	62.23%	5.638%
30	17.886	2665	2668	2686	rVB2	839126	2367732	69.26%	6.275%
31	18.074	2693	2700	2708	rVB2	296396	766078	22.41%	2.030%
32	18.186	2715	2719	2724	rBV3	76593	172230	5.04%	0.456%
33	18.333	2735	2744	2757	rBV	748042	2456439	71.85%	6.510%
34	18.445	2758	2763	2774	rVB4	385564	1178850	34.48%	3.124%
35	18.703	2797	2807	2826	rBV4	755232	3418665	100.00%	9.060%
36	18.862	2827	2834	2841	rBV2	267761	675113	19.75%	1.789%

Sample Results: **BF143135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 37731578

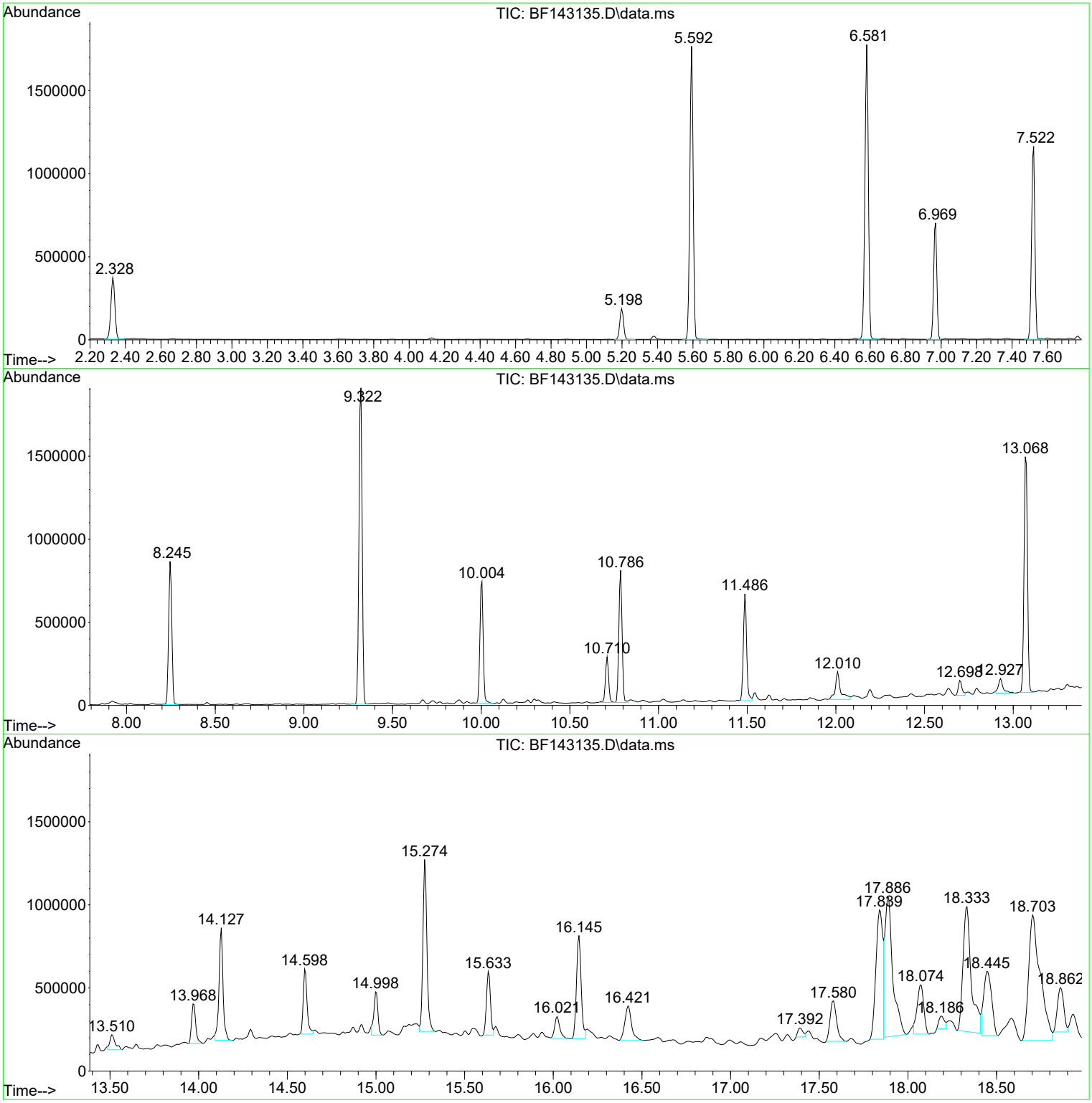
Sample Results: **BF143135.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: rteint.p



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: rteint.p

					--Internal Standard---		
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143093.D 5 =BF143094.D 10 =BF143095.D 20 =BF143096.D 40 =BF143097.D 50 =BF143098.D 60 =BF143099.D 80 =BF1431
00.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.637	0.635	0.640	0.627	0.661	0.626	0.586	0.630	3.58
3)		Pyridine		1.606	1.541	1.616	1.594	1.681	1.612	1.519	1.596	3.33
4)		n-Nitrosodimet...			0.788	0.825	0.816	0.879	0.840	0.812	0.827	3.70
5)	S	2-Fluorophenol		1.334	1.272	1.315	1.255	1.305	1.232	1.148	1.266	4.98
6)		Aniline		2.330	2.254	2.280	2.205	2.351	2.196	2.069	2.241	4.26
7)	S	Phenol-d6		1.685	1.616	1.640	1.565	1.643	1.547	1.441	1.591	5.11
8)		2-Chlorophenol		1.239	1.208	1.321	1.273	1.363	1.286	1.212	1.272	4.51
9)		Benzaldehyde			1.196	1.149	1.451	1.452	1.163	0.864	1.212	18.15
10)	C	Phenol		1.766	1.742	1.782	1.709	1.780	1.694	1.584	1.723	4.07
11)		bis(2-Chloroet...		1.425	1.363	1.366	1.309	1.371	1.291	1.209	1.334	5.26
12)		1,3-Dichlorobe...		1.547	1.482	1.470	1.414	1.471	1.388	1.286	1.437	5.83
13)	C	1,4-Dichlorobe...		1.570	1.473	1.504	1.412	1.482	1.386	1.292	1.446	6.27
14)		1,2-Dichlorobe...		1.468	1.409	1.430	1.364	1.417	1.321	1.241	1.379	5.57
15)		Benzyl Alcohol			1.126	1.204	1.167	1.255	1.189	1.132	1.179	4.09
16)		2,2'-oxybis(1-...		2.713	2.532	2.528	2.405	2.517	2.342	2.171	2.458	6.99
17)		2-Methylphenol		1.132	1.081	1.124	1.083	1.150	1.077	1.035	1.098	3.63
18)		Hexachloroethane		0.465	0.440	0.486	0.472	0.500	0.476	0.455	0.471	4.22
19)	P	n-Nitroso-di-n...	0.956	1.029	0.988	1.002	0.964	1.017	0.945	0.897	0.975	4.44
20)		3+4-Methylphenols			1.399	1.419	1.356	1.421	1.293	1.189	1.346	6.74
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.538	0.516	0.500	0.469	0.482	0.451	0.419	0.482	8.33
23)	S	Nitrobenzene-d5		0.283	0.319	0.363	0.372	0.399	0.390	0.370	0.357	11.59
24)		Nitrobenzene		0.282	0.317	0.357	0.356	0.385	0.366	0.347	0.344	9.94
25)		Isophorone		0.705	0.688	0.697	0.678	0.718	0.687	0.651	0.689	3.11
26)	C	2-Nitrophenol		0.063	0.075	0.106	0.120	0.141	0.146	0.147	0.114	29.95
27)		2,4-Dimethylph...		0.325	0.322	0.326	0.320	0.332	0.315	0.299	0.320	3.38
28)		bis(2-Chloroet...		0.444	0.434	0.435	0.409	0.424	0.404	0.375	0.418	5.63
29)	C	2,4-Dichloroph...		0.237	0.254	0.267	0.267	0.280	0.271	0.254	0.262	5.43
30)		1,2,4-Trichlor...		0.316	0.305	0.307	0.295	0.303	0.287	0.267	0.297	5.40
31)		Naphthalene		1.099	1.048	1.037	0.966	0.987	0.937	0.878	0.993	7.52
32)		Benzoic acid			0.080	0.111	0.144	0.159	0.171	0.172	0.139	26.27
33)		4-Chloroaniline		0.420	0.420	0.414	0.398	0.409	0.381	0.353	0.399	6.12
34)	C	Hexachlorobuta...		0.185	0.176	0.183	0.177	0.182	0.176	0.163	0.178	4.10
35)		Caprolactam			0.073	0.078	0.083	0.087	0.086	0.083	0.082	6.36
36)	C	4-Chloro-3-met...		0.285	0.290	0.296	0.293	0.307	0.293	0.277	0.291	3.26
37)		2-Methylnaphth...		0.644	0.626	0.615	0.580	0.597	0.562	0.524	0.592	6.91
38)		1-Methylnaphth...		0.678	0.660	0.631	0.603	0.615	0.578	0.537	0.615	7.81

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.616	0.600	0.602	0.578	0.601	0.561	0.522	0.583	5.56
41)	P	Hexachlorocycl...		0.254	0.306	0.323	0.356	0.356	0.344	0.323	12.16
42)	S	2,4,6-Tribromo...	0.136	0.157	0.181	0.188	0.204	0.194	0.188	0.178	13.23
43)	C	2,4,6-Trichlor...	0.300	0.312	0.377	0.376	0.400	0.393	0.377	0.362	10.94
44)		2,4,5-Trichlor...	0.336	0.367	0.390	0.393	0.418	0.377	0.378	0.380	6.62
45)	S	2-Fluorobiphenyl	1.777	1.645	1.602	1.456	1.460	1.355	1.238	1.505	12.18
46)		1,1'-Biphenyl	1.750	1.687	1.671	1.567	1.610	1.496	1.384	1.595	7.84
47)		2-Chloronaphth...	1.271	1.203	1.206	1.159	1.195	1.120	1.048	1.172	6.10
48)		2-Nitroaniline	0.180	0.224	0.296	0.328	0.372	0.363	0.355	0.303	24.51
49)		Acenaphthylene	2.060	2.011	2.034	1.959	1.989	1.867	1.746	1.952	5.65
50)		Dimethylphthalate	1.310	1.259	1.292	1.257	1.302	1.219	1.169	1.258	4.01
51)		2,6-Dinitrotol...	0.133	0.176	0.222	0.234	0.262	0.262	0.247	0.219	22.07
52)	C	Acenaphthene	1.273	1.204	1.173	1.127	1.168	1.088	1.032	1.152	6.85
53)		3-Nitroaniline	0.180	0.227	0.283	0.288	0.318	0.313	0.295	0.272	18.56
54)	P	2,4-Dinitrophenol		0.038	0.056	0.069	0.086	0.090	0.097	0.073	31.18
55)		Dibenzofuran	1.895	1.795	1.785	1.697	1.729	1.604	1.516	1.717	7.37
56)	P	4-Nitrophenol		0.164	0.201	0.224	0.239	0.237	0.232	0.216	13.37
57)		2,4-Dinitrotol...	0.147	0.197	0.253	0.295	0.326	0.319	0.320	0.265	26.25
58)		Fluorene	1.478	1.387	1.328	1.246	1.284	1.186	1.105	1.288	9.67
59)		2,3,4,6-Tetrac...	0.253	0.274	0.302	0.312	0.339	0.323	0.309	0.302	9.71
60)		Diethylphthalate	1.221	1.217	1.257	1.225	1.260	1.187	1.130	1.214	3.68
61)		4-Chlorophenyl...	0.666	0.642	0.631	0.614	0.625	0.586	0.555	0.617	5.92
62)		4-Nitroaniline	0.169	0.208	0.237	0.249	0.270	0.263	0.259	0.236	15.25
63)		Azobenzene	1.425	1.399	1.375	1.328	1.381	1.282	1.208	1.343	5.65
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.035	0.053	0.064	0.079	0.084	0.086	0.067	30.46
66)	c	n-Nitrosodiphe...	0.735	0.709	0.736	0.682	0.717	0.685	0.654	0.703	4.30
67)		4-Bromophenyl-...	0.231	0.219	0.234	0.222	0.239	0.228	0.219	0.227	3.38
68)		Hexachlorobenzene	0.249	0.237	0.247	0.235	0.250	0.239	0.231	0.241	3.12
69)		Atrazine	0.158	0.171	0.184	0.181	0.195	0.185	0.184	0.180	6.72
70)	C	Pentachlorophenol		0.098	0.125	0.132	0.149	0.145	0.145	0.132	14.47
71)		Phenanthrene	1.190	1.136	1.111	1.042	1.089	1.021	0.968	1.079	6.95
72)		Anthracene	1.158	1.126	1.126	1.057	1.106	1.042	0.983	1.085	5.62
73)		Carbazole	1.038	1.026	1.008	0.938	0.998	0.927	0.873	0.972	6.27
74)		Di-n-butylphth...	0.746	0.846	0.913	0.921	0.983	0.942	0.897	0.893	8.62
75)	C	Fluoranthene	1.044	1.053	1.009	0.960	0.998	0.938	0.869	0.981	6.59
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.664	0.786	0.834	0.674	0.616	0.514	0.681	17.02
78)		Pyrene	2.018	1.956	1.955	1.842	1.918	1.716	1.585	1.856	8.33
79)	S	Terphenyl-d14	1.563	1.471	1.437	1.343	1.385	1.246	1.133	1.368	10.53
80)		Butylbenzylpht...	0.179	0.233	0.310	0.343	0.385	0.395	0.384	0.318	26.22
81)		Benzo(a)anthra...	1.296	1.304	1.406	1.347	1.403	1.326	1.247	1.333	4.34
82)		3,3'-Dichlorob...		0.314	0.406	0.385	0.428	0.411	0.377	0.387	10.35
83)		Chrysene	1.286	1.234	1.211	1.201	1.270	1.228	1.162	1.227	3.41
84)		Bis(2-ethylhex...	0.273	0.343	0.479	0.515	0.578	0.591	0.583	0.480	26.25
85)	c	Di-n-octyl pht...		0.474	0.811	0.922	1.073	1.115	1.167	0.927	27.83

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.345	1.411	1.526	1.521	1.620	1.519	1.470	1.488	5.98
88)		Benzo(b)fluora...	1.063	1.191	1.171	1.082	1.297	1.185	1.087	1.154	7.17
89)		Benzo(k)fluora...	1.175	1.066	1.111	1.148	1.088	1.060	1.056	1.101	4.23
90)	C	Benzo(a)pyrene	0.989	1.019	1.108	1.124	1.196	1.124	1.078	1.091	6.41
91)		Dibenzo(a,h)an...	1.114	1.162	1.266	1.240	1.330	1.222	1.178	1.216	5.90
92)		Benzo(g,h,i)pe...	1.148	1.187	1.263	1.258	1.349	1.260	1.214	1.240	5.20

(#) = Out of Range

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

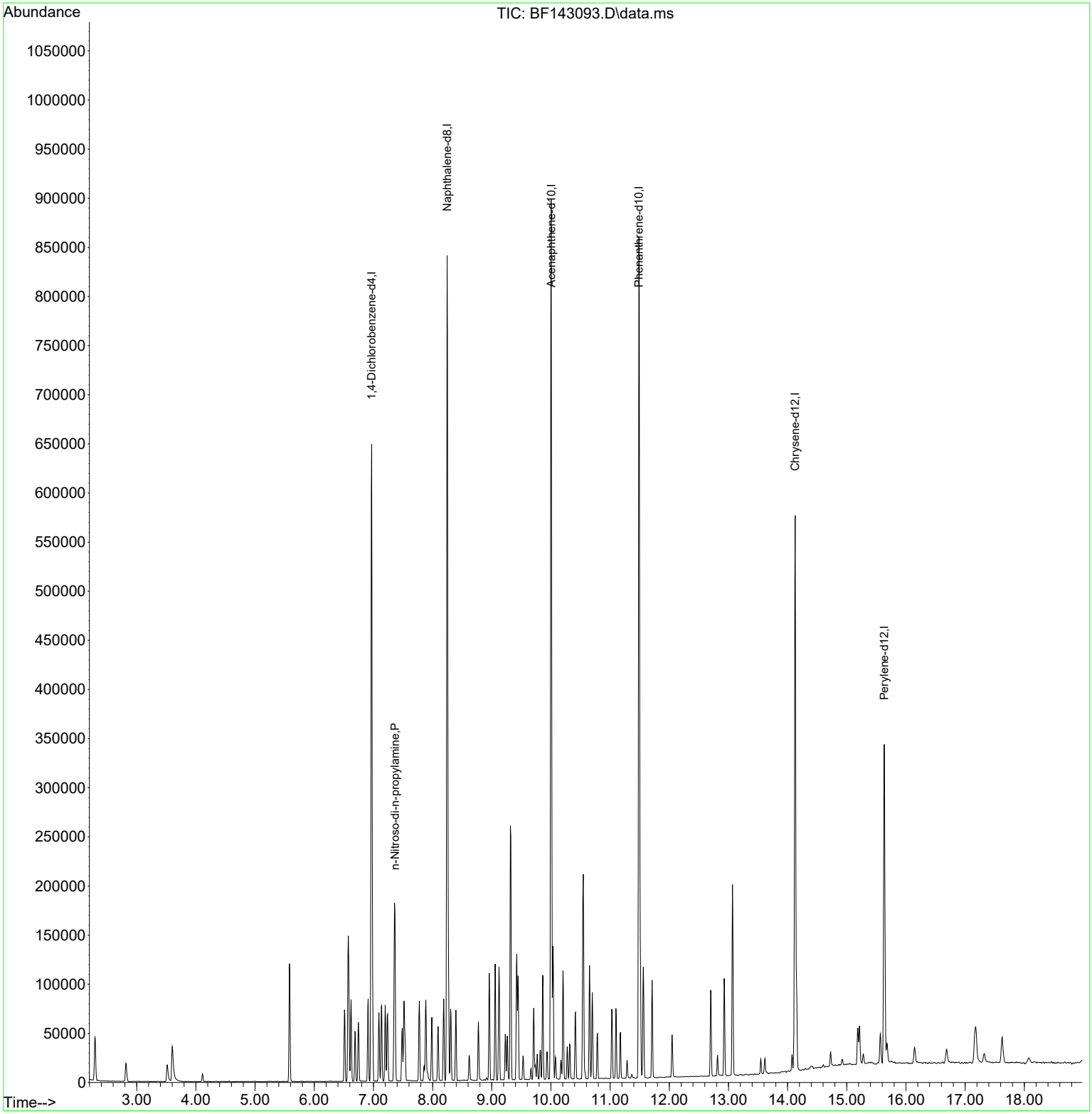
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130499	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	494118	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	253763	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	424376	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244536	20.000	ng	0.00
86) Perylene-d12	15.633	264	187520	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...	7.363	70	15601	2.453	ng	95

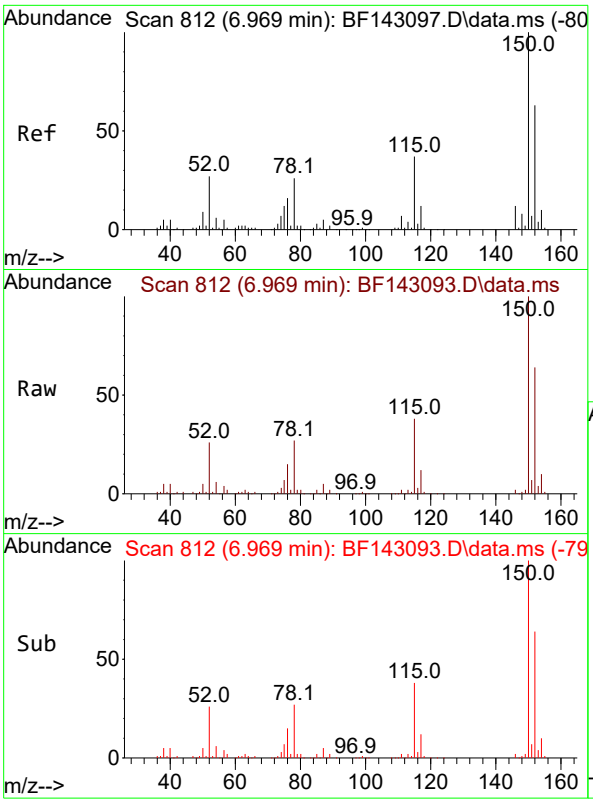
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143093.D
Acq On : 15 Jul 2025 13:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 15 17:36:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



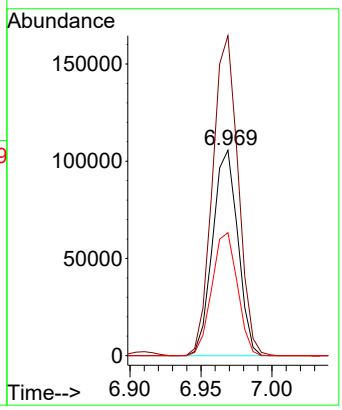


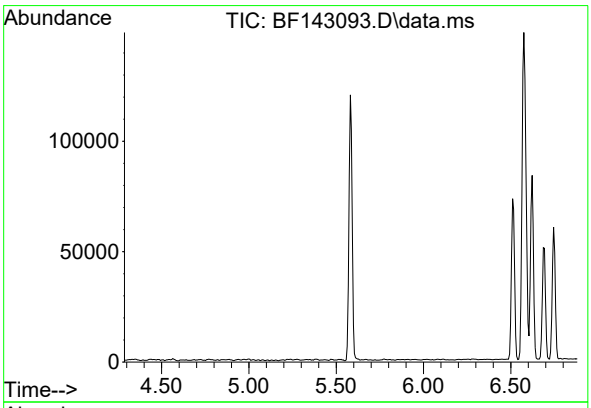
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 130499

Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.5	189.7
115	59.9	47.0	70.6



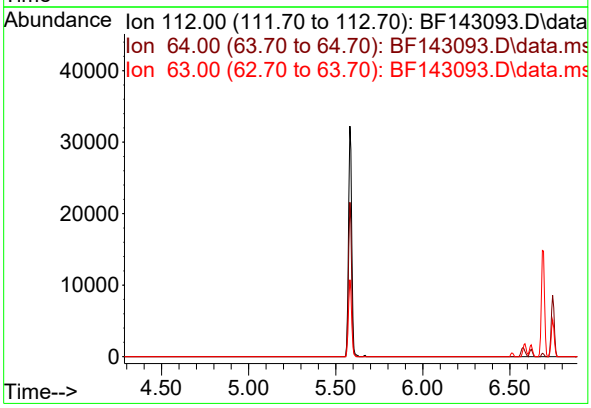


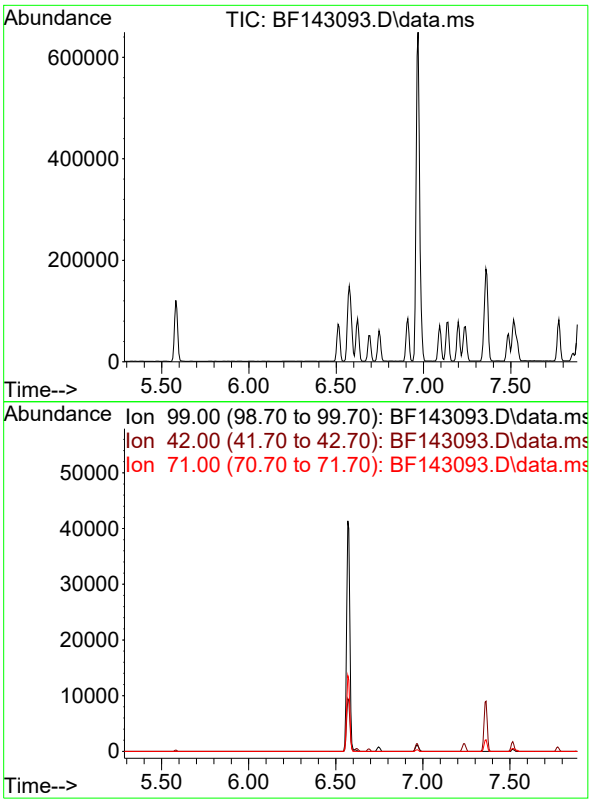
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	68.3
63	34.1





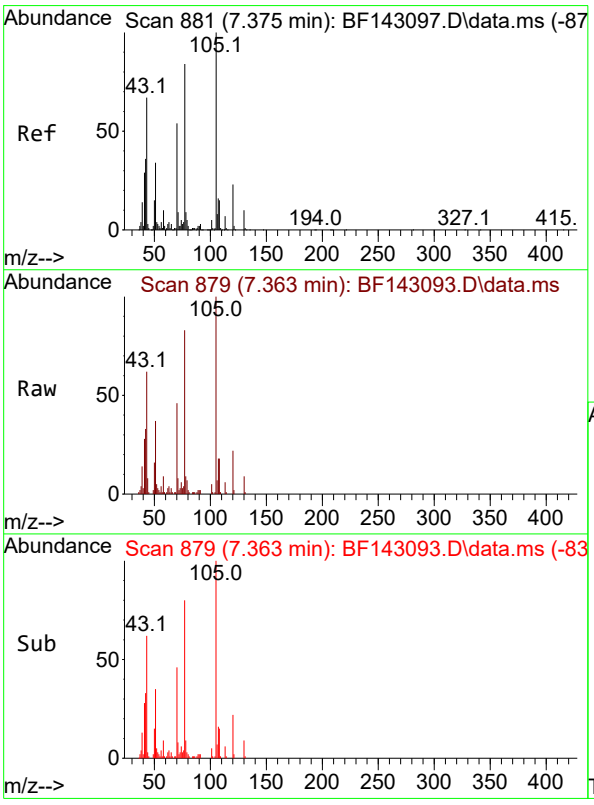
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

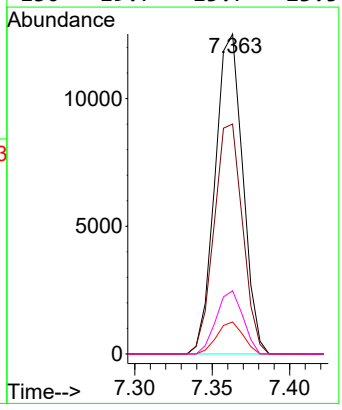
Sig	Exp Ratio
99	100
42	21.5
71	34.2

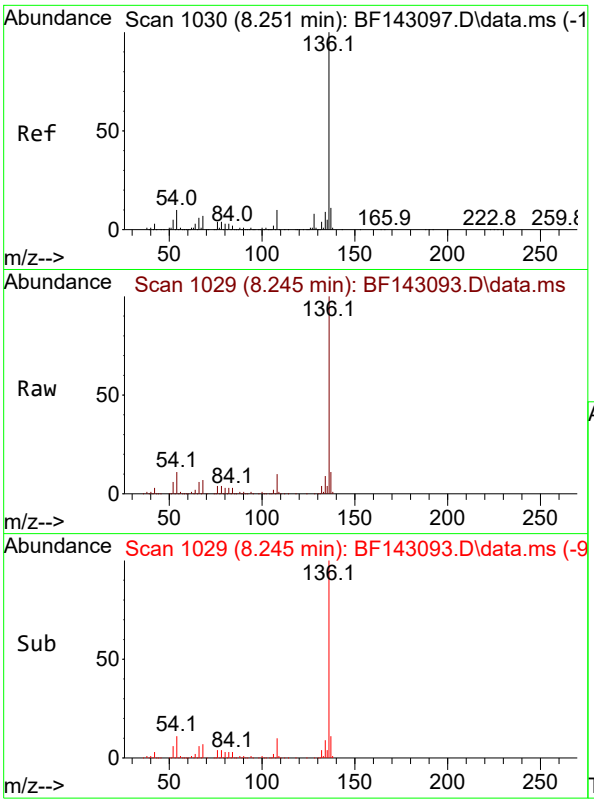


#19
n-Nitroso-di-n-propylamine
Concen: 2.453 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 70 Resp: 15601

Ion	Ratio	Lower	Upper
70	100		
42	71.9	53.2	79.8
101	10.0	7.5	11.3
130	19.7	15.7	23.5



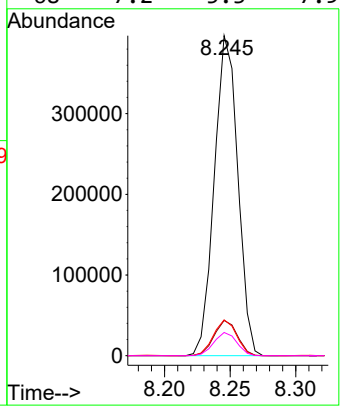


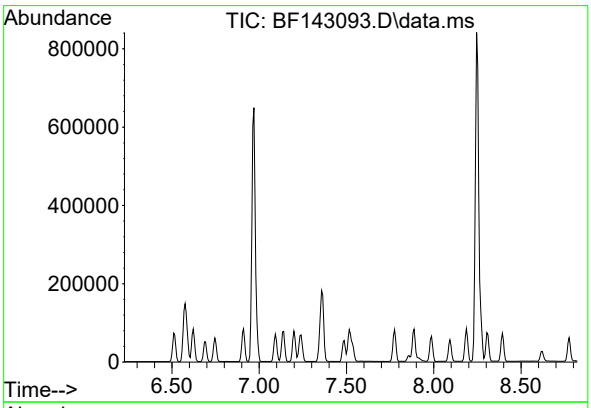
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 494118

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	11.2	8.3	12.5
68	7.2	5.3	7.9



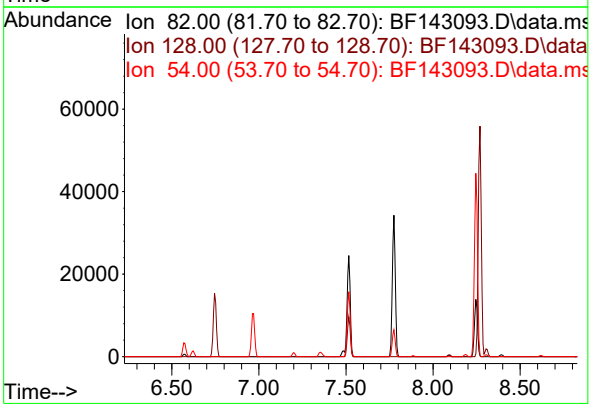


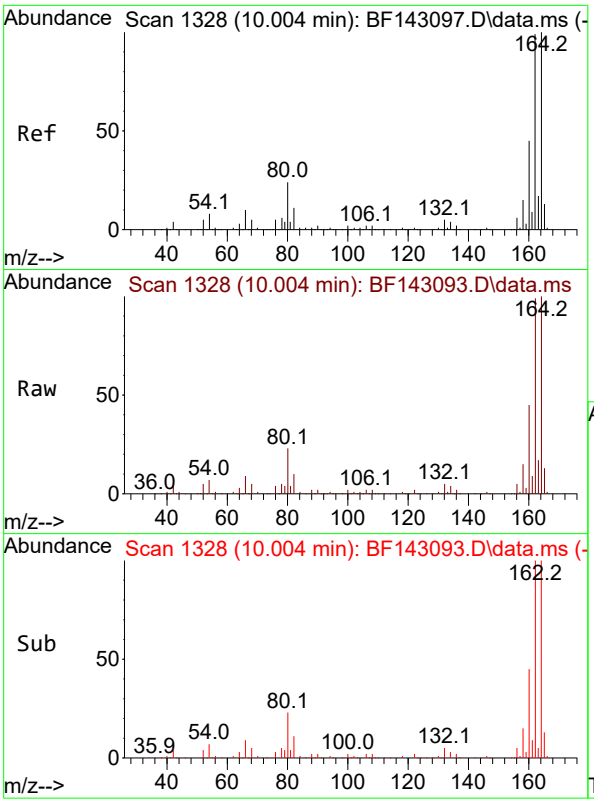
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.53 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	41.6
54	59.3



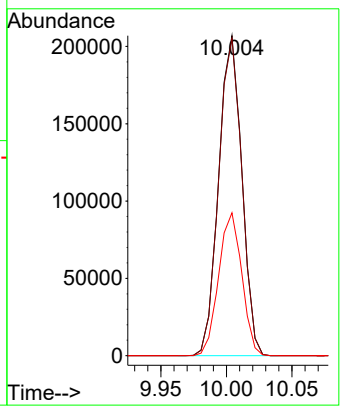


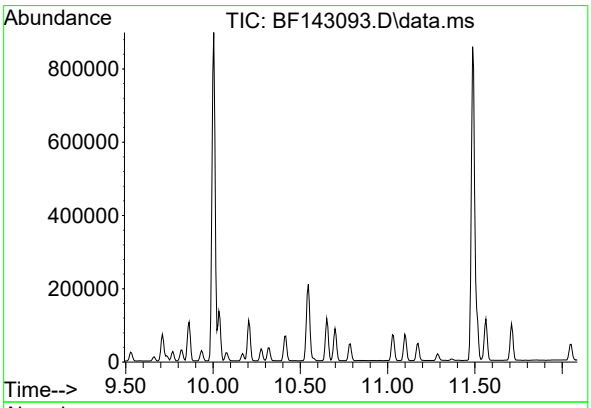
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 253763

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	44.7	35.8	53.6



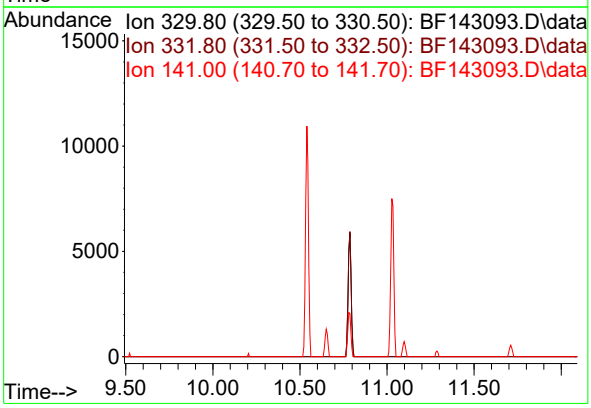


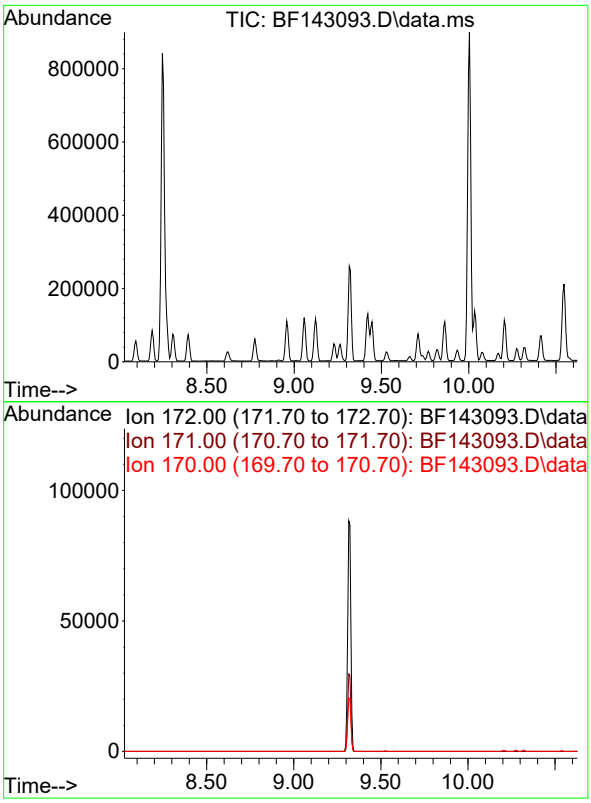
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.79 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.4
141	32.4





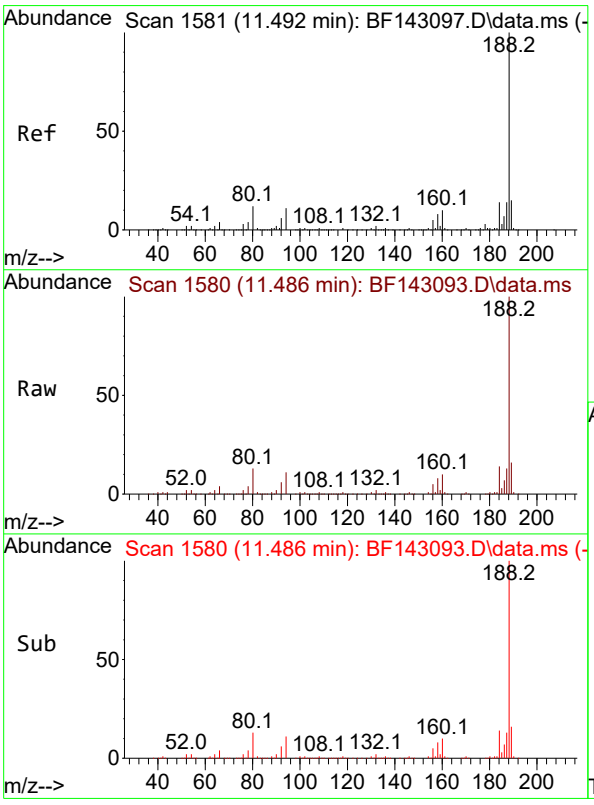
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.33 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

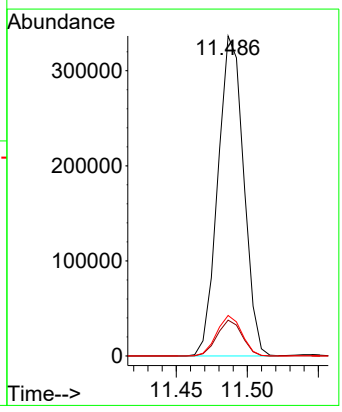
Sig	Exp Ratio
172	100
171	35.3
170	23.3

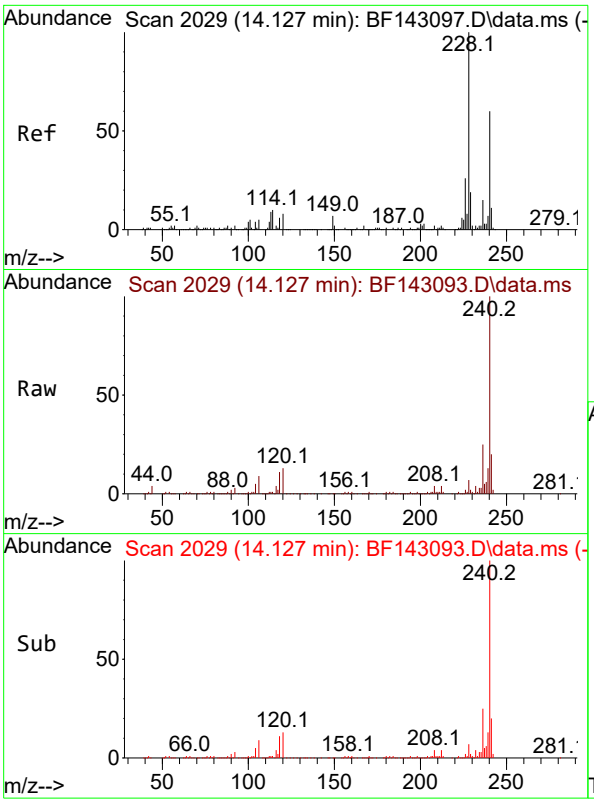


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion:188 Resp: 424376

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.6	13.0
80	12.7	9.3	13.9



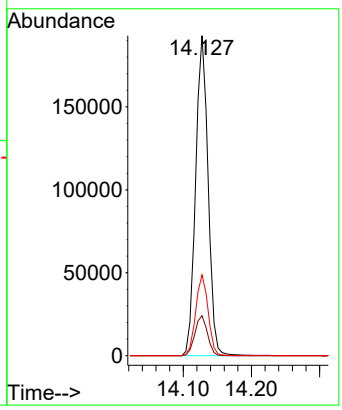


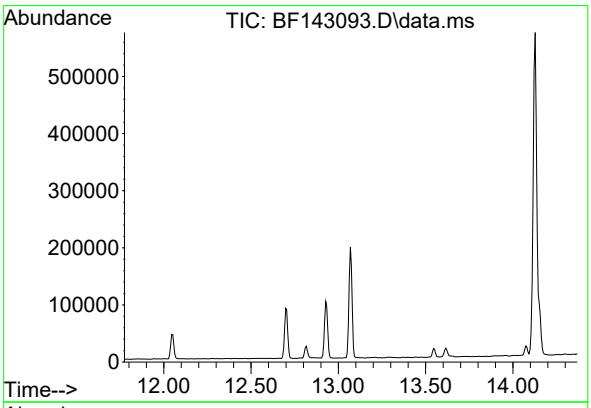
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

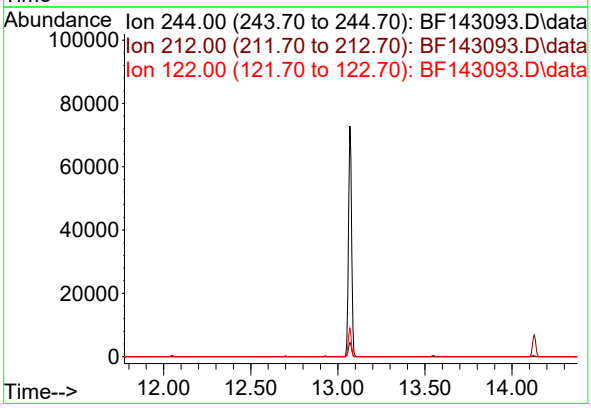
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 244536

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	25.3	20.0	30.0





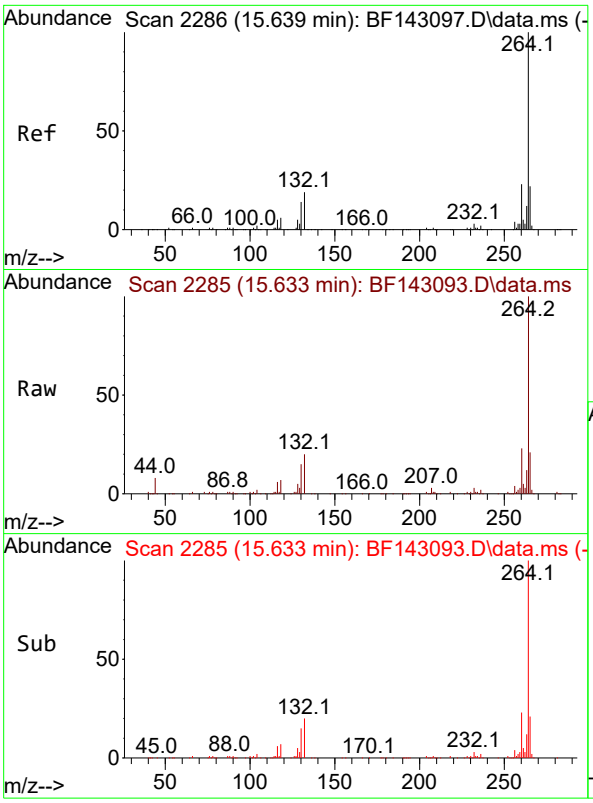


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.5
122	11.0

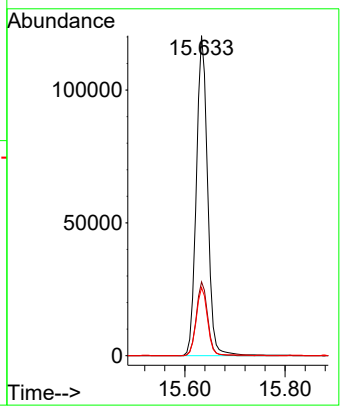


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143093.D
Acq: 15 Jul 2025 13:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 187520

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.3	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119528	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	456442	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	230973	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	382578	20.000	ng	0.00
76) Chrysene-d12	14.127	240	212909	20.000	ng	0.00
86) Perylene-d12	15.633	264	174154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	79738	10.540	ng	0.00
7) Phenol-d6	6.575	99	100706	10.590	ng	-0.01
23) Nitrobenzene-d5	7.516	82	64500m	7.927	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	15703	7.625	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	205273	11.814	ng	0.00
79) Terphenyl-d14	13.069	244	166389	11.424	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	19027	5.052	ng	95
3) Pyridine	3.587	79	48004	5.034	ng	97
6) Aniline	6.622	93	69613	5.198	ng	99
8) 2-Chlorophenol	6.745	128	37026	4.871	ng	98
10) Phenol	6.587	94	52784	5.127	ng	98
11) bis(2-Chloroethyl)ether	6.692	93	42574	5.342	ng	98
12) 1,3-Dichlorobenzene	6.910	146	46218	5.382	ng	98
13) 1,4-Dichlorobenzene	6.987	146	46918	5.431	ng	99
14) 1,2-Dichlorobenzene	7.140	146	43854	5.323	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.240	45	81065	5.518	ng	99
17) 2-Methylphenol	7.198	107	33834	5.158	ng	98
18) Hexachloroethane	7.487	117	13889	4.938	ng	99
19) n-Nitroso-di-n-propyla...	7.363	70	30747	5.277	ng	99
22) Acetophenone	7.363	105	61393	5.580	ng	95
24) Nitrobenzene	7.534	77	32206	4.100	ng	99
25) Isophorone	7.775	82	80494	5.118	ng	99
26) 2-Nitrophenol	7.857	139	7204	6.037	ng	96
27) 2,4-Dimethylphenol	7.887	122	37098	5.082	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	50637	5.310	ng	98
29) 2,4-Dichlorophenol	8.092	162	27047	4.529	ng	96
30) 1,2,4-Trichlorobenzene	8.187	180	36023	5.315	ng	99
31) Naphthalene	8.269	128	125461	5.535	ng	100
33) 4-Chloroaniline	8.310	127	47947	5.260	ng	98
34) Hexachlorobutadiene	8.392	225	21105	5.207	ng	98
36) 4-Chloro-3-methylphenol	8.775	107	32542	4.892	ng	96
37) 2-Methylnaphthalene	8.957	142	73511	5.436	ng	99
38) 1-Methylnaphthalene	9.057	142	77390	5.518	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	35579	5.286	ng	97
43) 2,4,6-Trichlorophenol	9.228	196	17295	4.135	ng	97
44) 2,4,5-Trichlorophenol	9.263	196	19416	4.427	ng	99
46) 1,1'-Biphenyl	9.422	154	101056	5.486	ng	99
47) 2-Chloronaphthalene	9.445	162	73385	5.423	ng	99
48) 2-Nitroaniline	9.528	65	10398	5.579	ng	91
49) Acenaphthylene	9.863	152	118965	5.276	ng	99
50) Dimethylphthalate	9.710	163	75659	5.207	ng	99
51) 2,6-Dinitrotoluene	9.769	165	7659	5.308	ng	93

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	10.033	154	73531	5.526	ng		99
53) 3-Nitroaniline	9.933	138	10382	3.307	ng	#	90
55) Dibenzofuran	10.204	168	109432	5.518	ng		99
57) 2,4-Dinitrotoluene	10.169	165	8515	5.606	ng		87
58) Fluorene	10.551	166	85318	5.738	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	14610	4.192	ng	#	98
60) Diethylphthalate	10.416	149	70533	5.031	ng		98
61) 4-Chlorophenyl-phenyle...	10.539	204	38452	5.395	ng		96
62) 4-Nitroaniline	10.539	138	9779	3.581	ng		83
63) Azobenzene	10.698	77	82291	5.308	ng		99
66) n-Nitrosodiphenylamine	10.651	169	70293	5.231	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	22127	5.086	ng		95
68) Hexachlorobenzene	11.098	284	23819	5.160	ng		97
69) Atrazine	11.175	200	15103	4.393	ng		99
71) Phenanthrene	11.510	178	113784	5.511	ng		99
72) Anthracene	11.563	178	110778	5.335	ng		100
73) Carbazole	11.710	167	99235	5.335	ng		100
74) Di-n-butylphthalate	12.051	149	71352	4.179	ng		99
75) Fluoranthene	12.704	202	99884	5.320	ng		100
78) Pyrene	12.927	202	107389	5.436	ng		99
80) Butylbenzylphthalate	13.545	149	9546	5.646	ng		92
81) Benzo(a)anthracene	14.116	228	68990	4.863	ng		99
83) Chrysene	14.151	228	68451	5.239	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	14537	5.667	ng		100
87) Indeno(1,2,3-cd)pyrene	17.162	276	58565	4.521	ng		98
88) Benzo(b)fluoranthene	15.186	252	46276	4.607	ng		98
89) Benzo(k)fluoranthene	15.215	252	51177	5.340	ng		99
90) Benzo(a)pyrene	15.568	252	43046	4.531	ng		97
91) Dibenzo(a,h)anthracene	17.186	278	48506	4.581	ng		97
92) Benzo(g,h,i)perylene	17.627	276	49989	4.631	ng		98

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

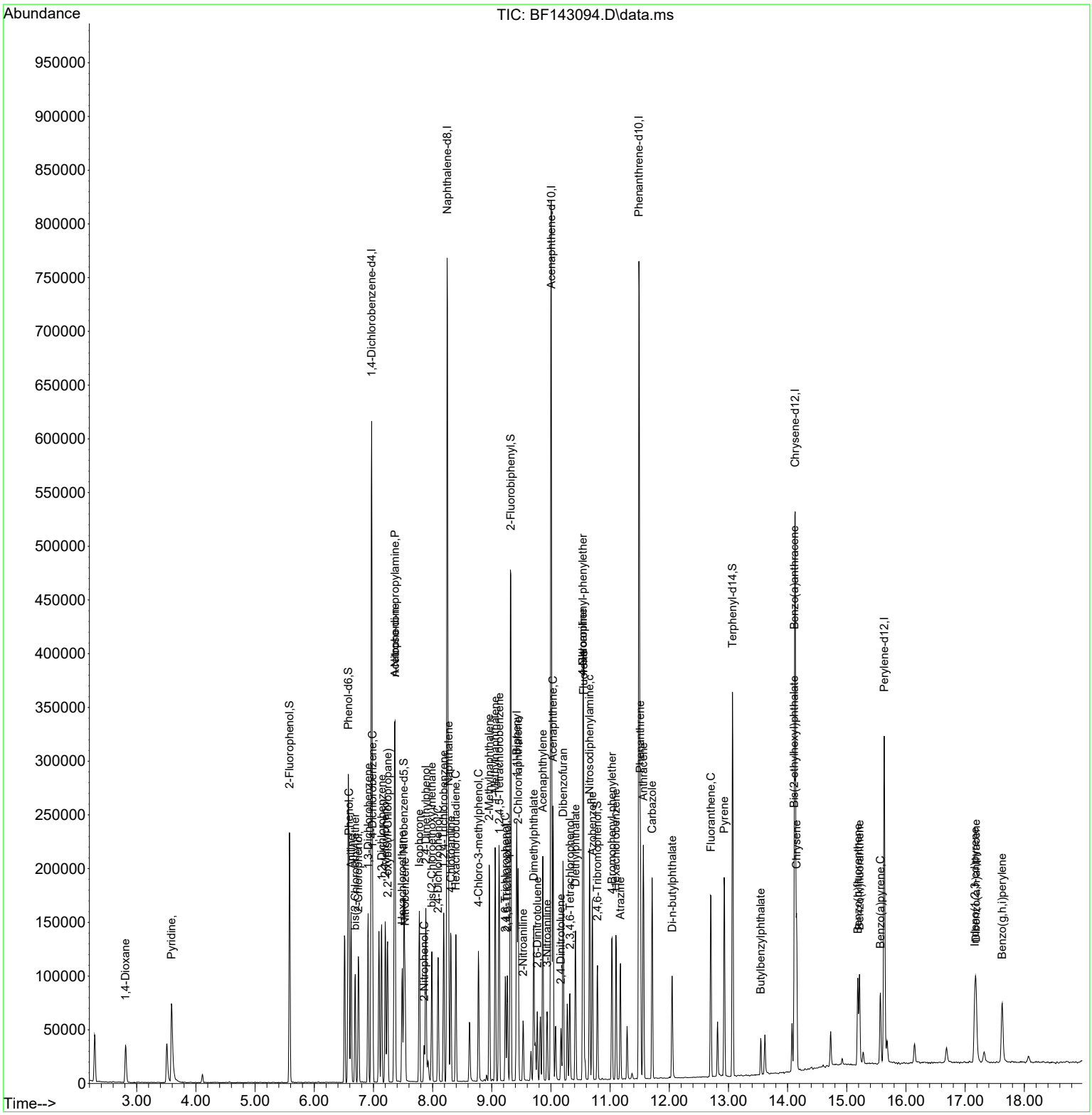
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

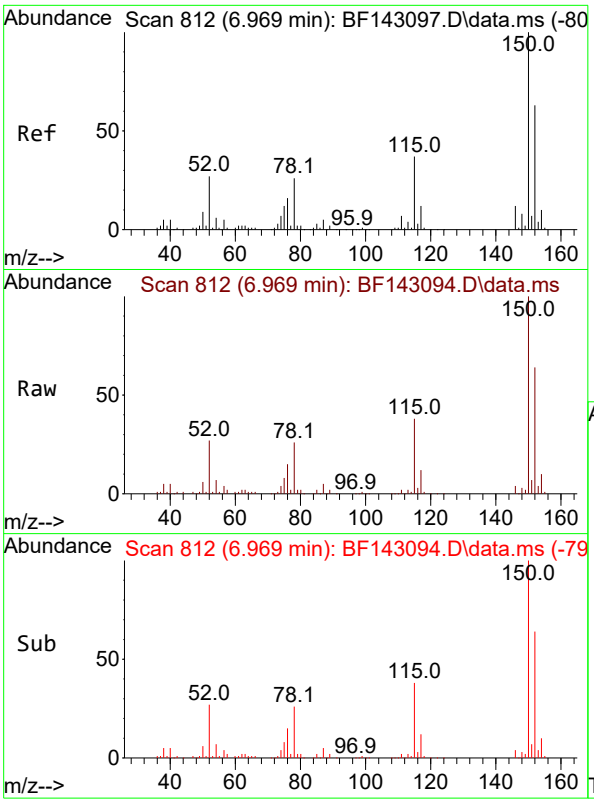
Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

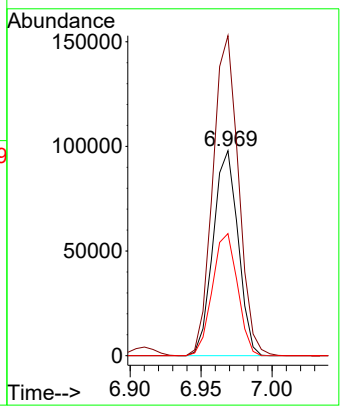




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:152 Resp: 11952

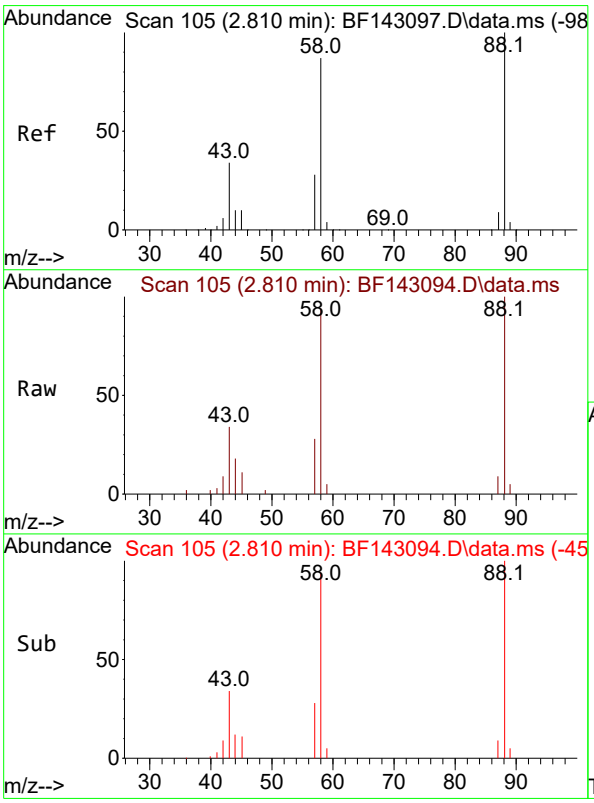
Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.5	189.7
115	59.5	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

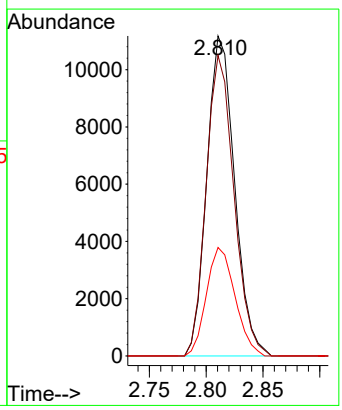
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

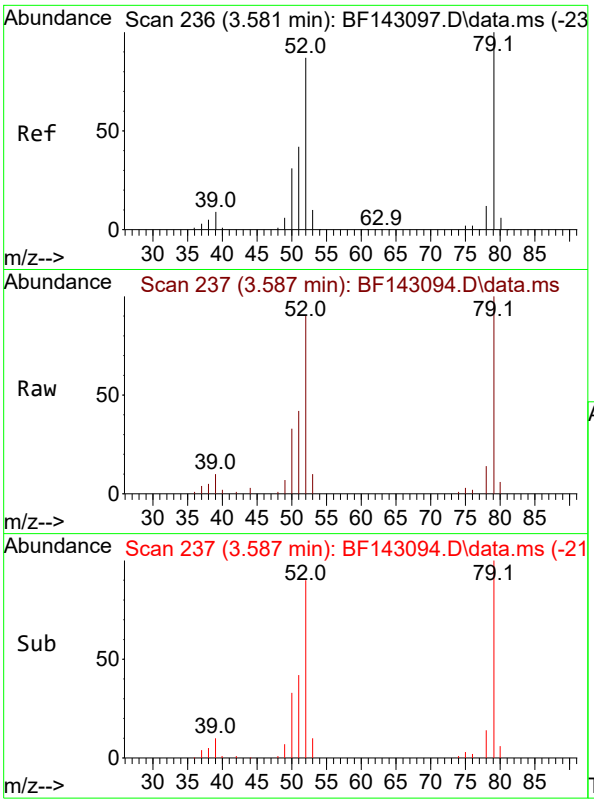


#2
1,4-Dioxane
Concen: 5.052 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 88 Resp: 19027

Ion	Ratio	Lower	Upper
88	100		
58	94.1	70.5	105.7
43	34.9	27.3	40.9

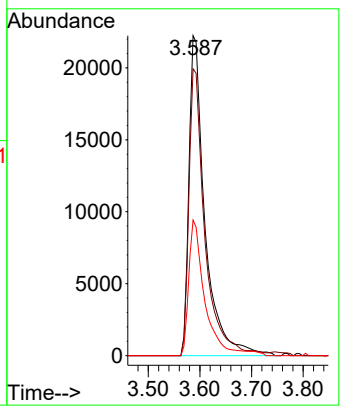




#3
Pyridine
Concen: 5.034 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 79 Resp: 4800

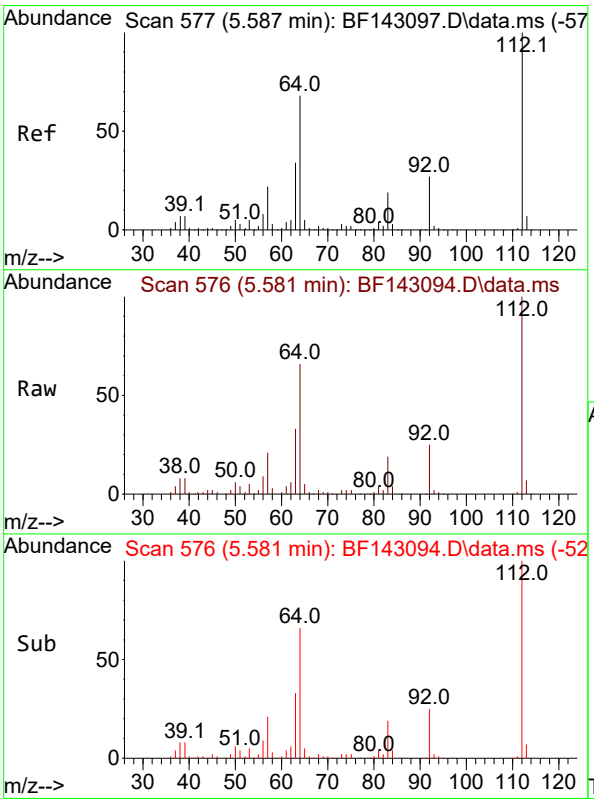
Ion	Ratio	Lower	Upper
79	100		
52	89.6	69.2	103.8
51	42.3	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

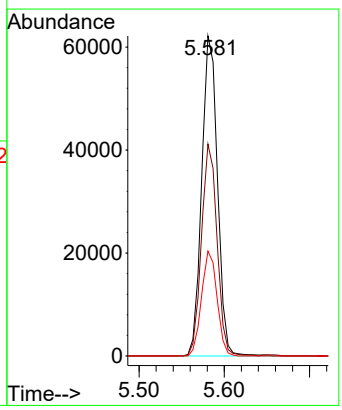
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

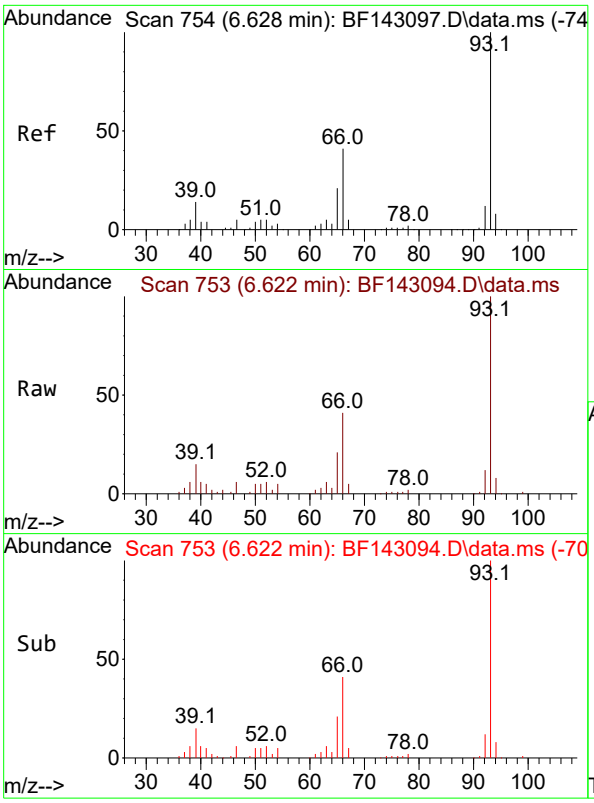


#5
2-Fluorophenol
Concen: 10.540 ng
RT: 5.581 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:112 Resp: 79738

Ion	Ratio	Lower	Upper
112	100		
64	66.2	54.6	82.0
63	32.8	27.3	40.9

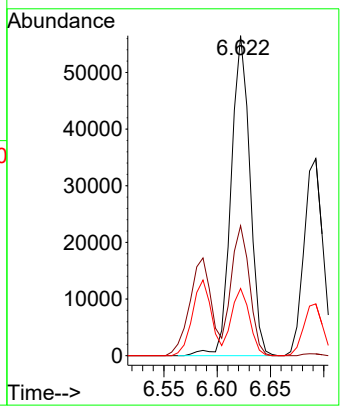




#6
Aniline
Concen: 5.198 ng
RT: 6.622 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 6961

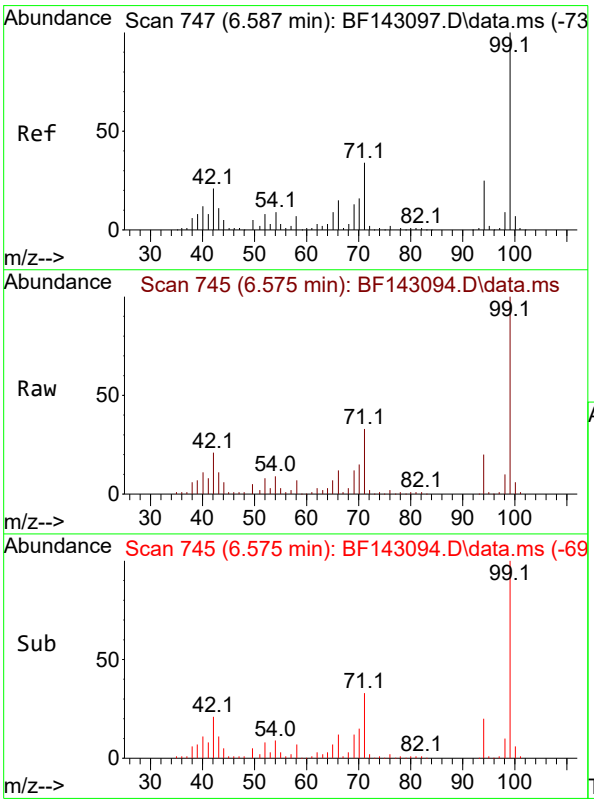
Ion	Ratio	Lower	Upper
93	100		
66	40.6	33.1	49.7
65	21.0	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

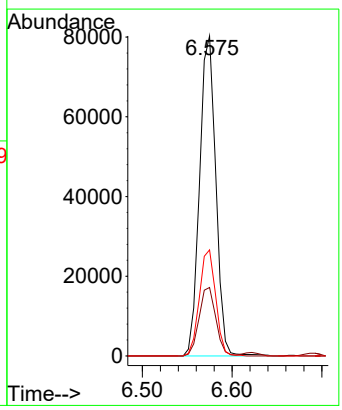
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

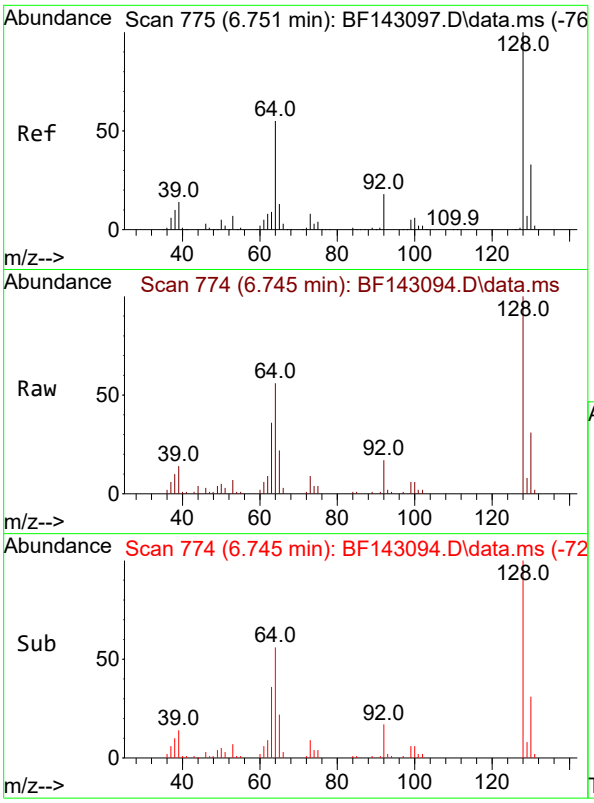


#7
Phenol-d6
Concen: 10.590 ng
RT: 6.575 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 99 Resp: 100706

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	33.2	27.4	41.0

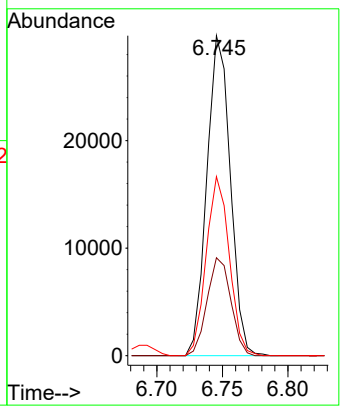




#8
2-Chlorophenol
Concen: 4.871 ng
RT: 6.745 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:128 Resp: 3702

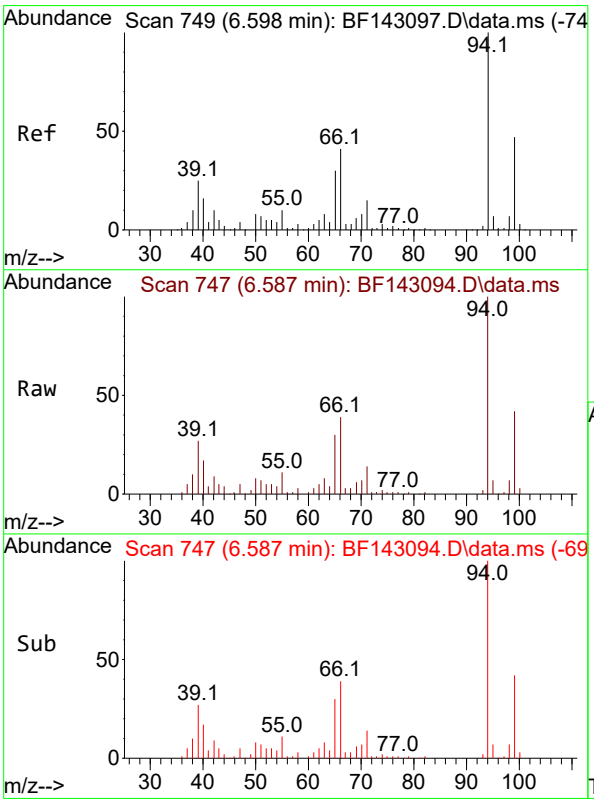
Ion	Ratio	Lower	Upper
128	100		
130	30.6	12.8	52.8
64	55.9	36.1	76.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

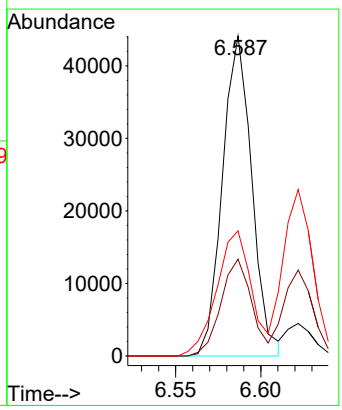
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

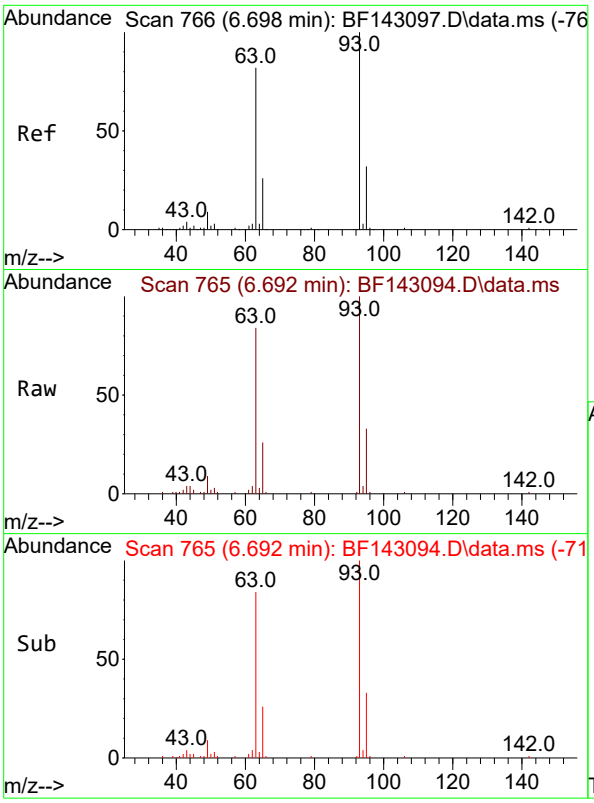


#10
Phenol
Concen: 5.127 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 94 Resp: 52784

Ion	Ratio	Lower	Upper
94	100		
65	30.3	9.8	49.8
66	39.1	20.5	60.5

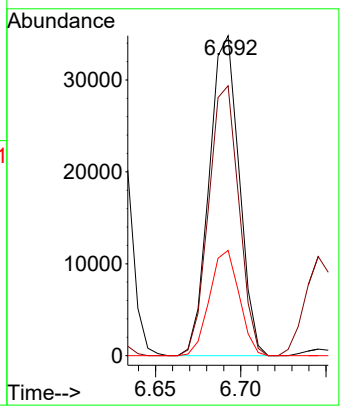




#11
bis(2-Chloroethyl)ether
Concen: 5.342 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 4257

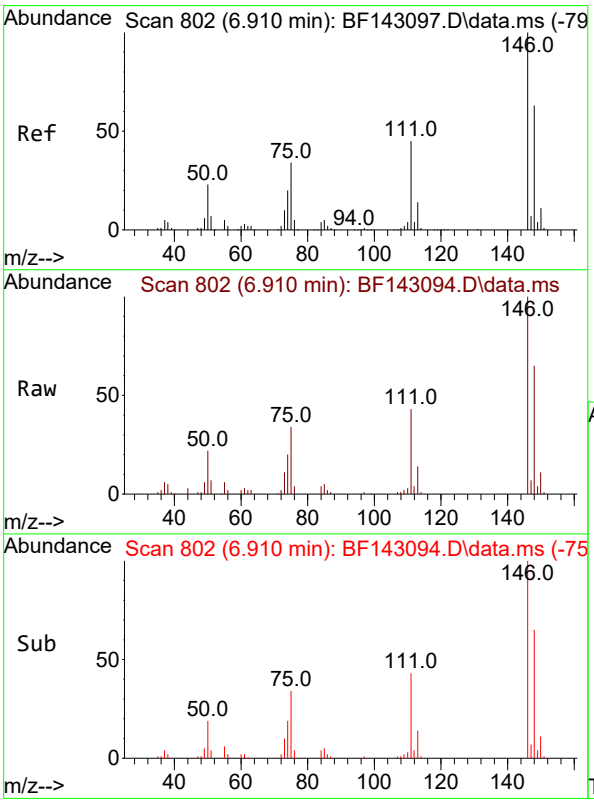
Ion	Ratio	Lower	Upper
93	100		
63	84.4	61.9	101.9
95	32.9	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

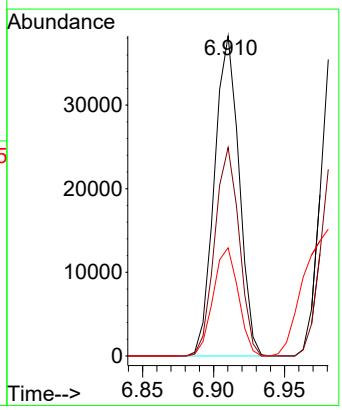
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

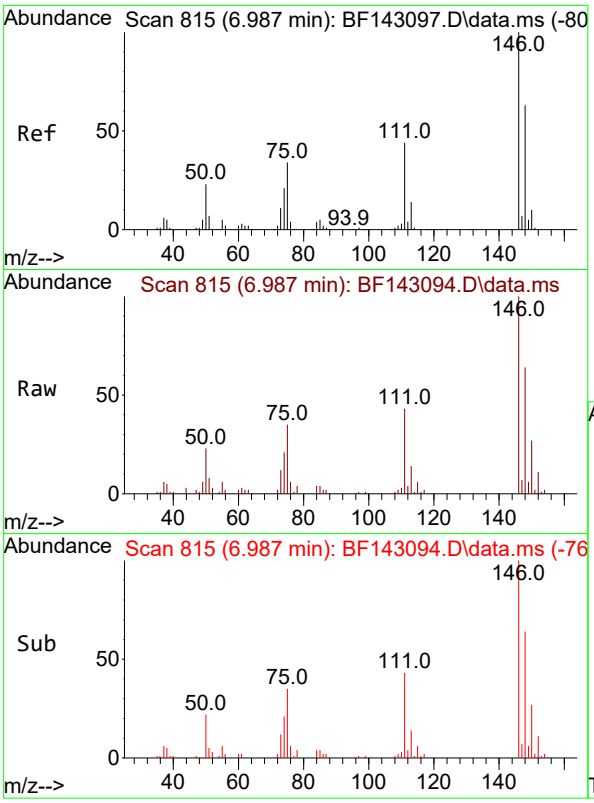


#12
1,3-Dichlorobenzene
Concen: 5.382 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 46218

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.1	75.1
75	33.8	27.4	41.0

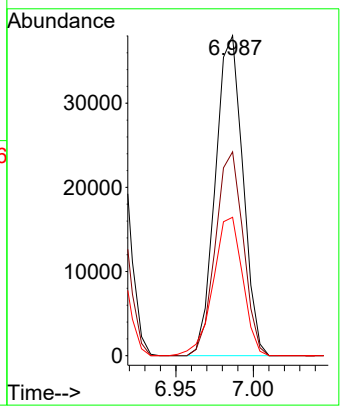




#13
1,4-Dichlorobenzene
Concen: 5.431 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 4691

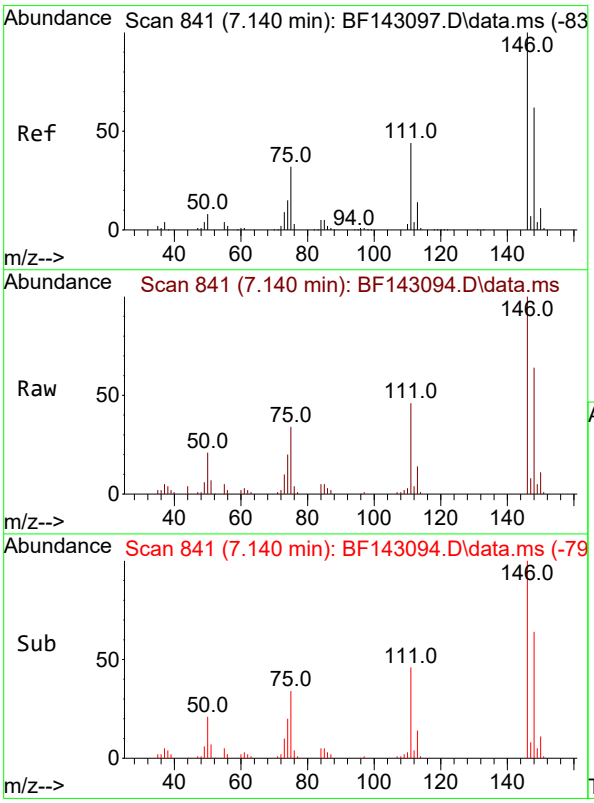
Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	43.3	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

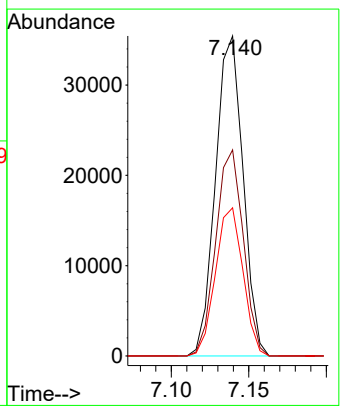
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

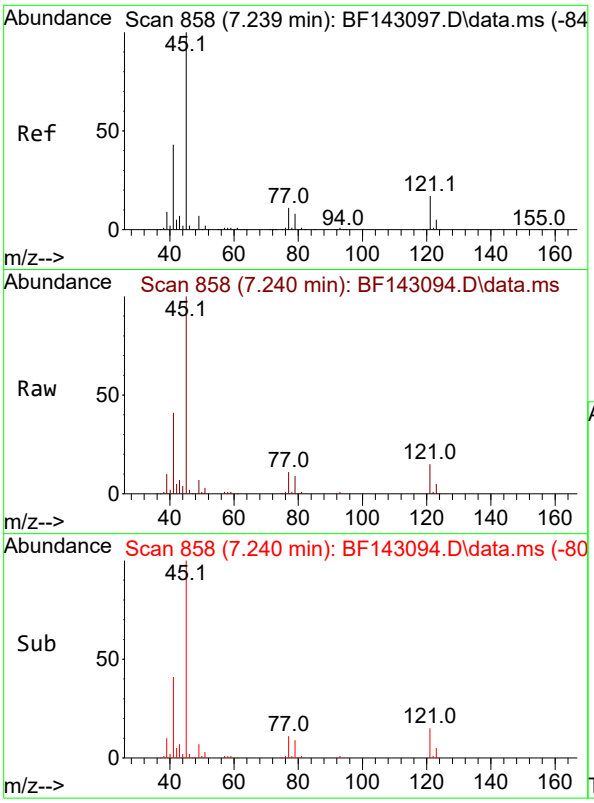


#14
1,2-Dichlorobenzene
Concen: 5.323 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 43854

Ion	Ratio	Lower	Upper
146	100		
148	64.4	49.8	74.6
111	46.3	35.4	53.0





#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.518 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

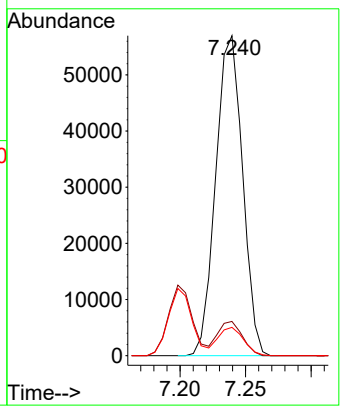
Tgt Ion: 45 Resp: 8106

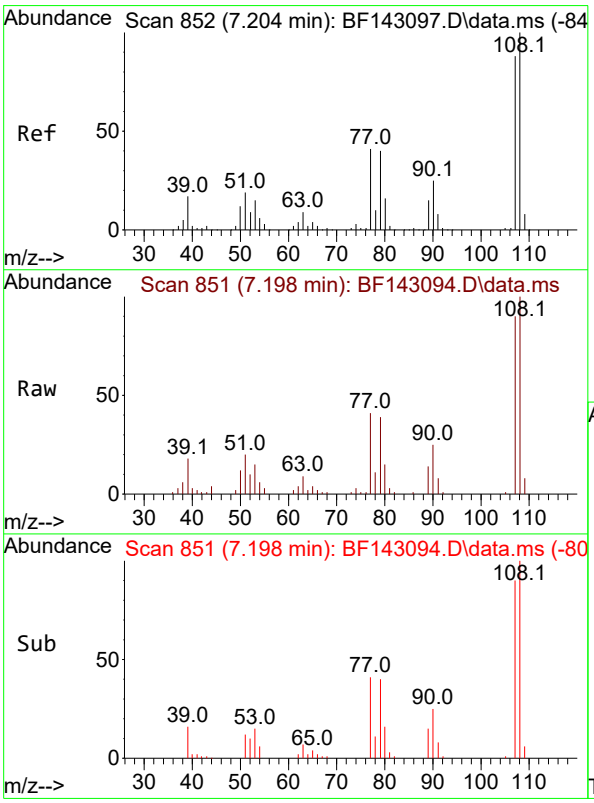
Ion	Ratio	Lower	Upper
45	100		
77	10.7	0.0	31.1
79	8.8	0.0	28.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

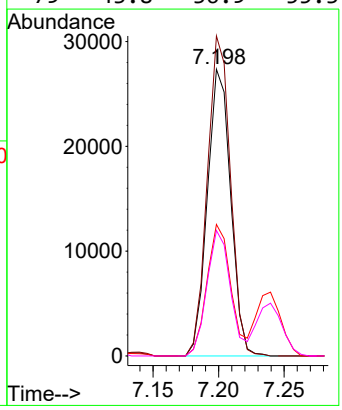


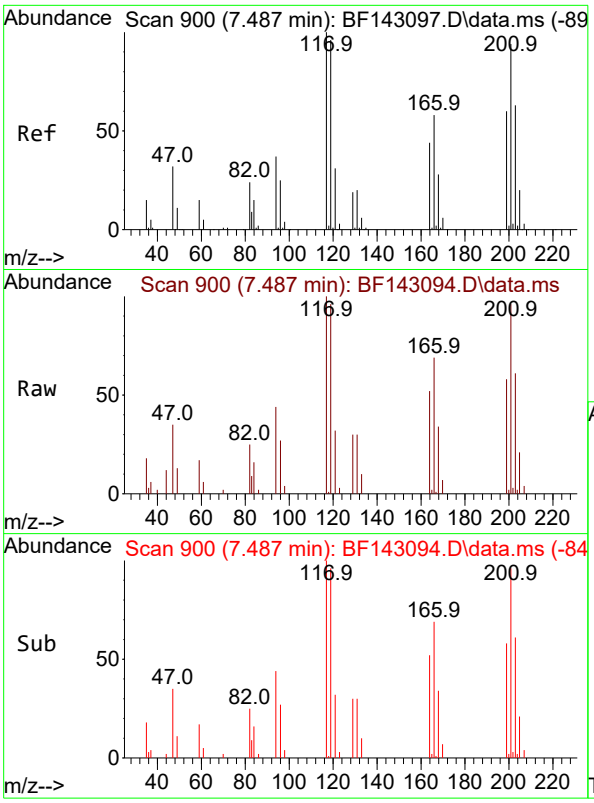


#17
2-Methylphenol
Concen: 5.158 ng
RT: 7.198 min Scan# 851
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 33834

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.9	136.3
77	45.9	37.5	56.3
79	43.8	36.9	55.3

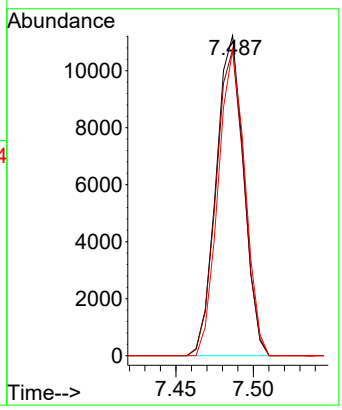




#18
Hexachloroethane
Concen: 4.938 ng
RT: 7.487 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:117 Resp: 1388

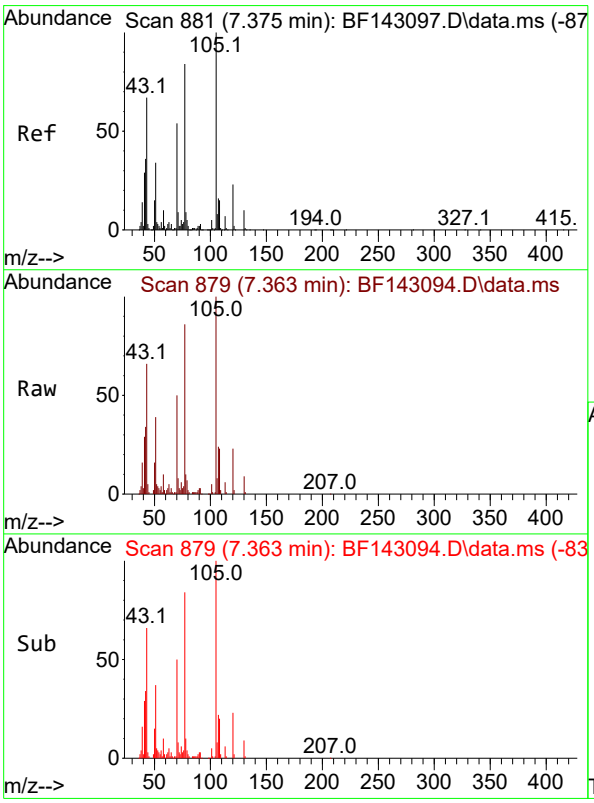
Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.7	115.1
201	95.6	75.0	112.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

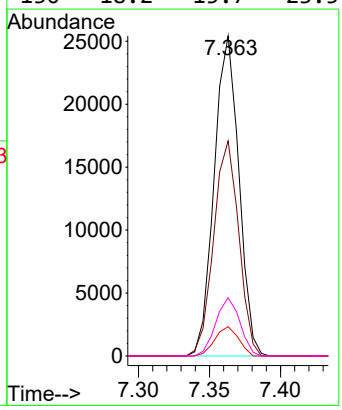
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

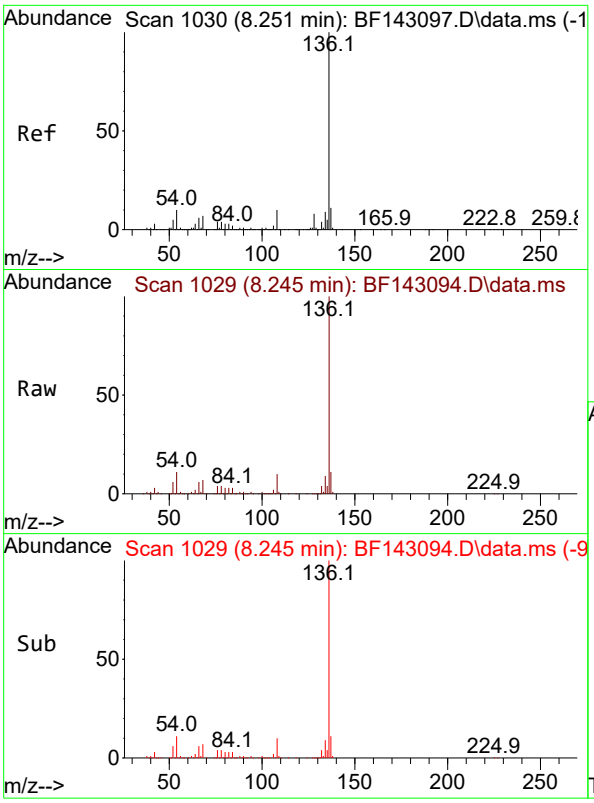


#19
n-Nitroso-di-n-propylamine
Concen: 5.277 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 70 Resp: 30747

Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.2	79.8
101	9.1	7.5	11.3
130	18.2	15.7	23.5

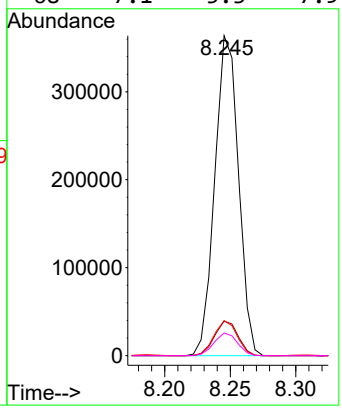




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:136 Resp: 45644

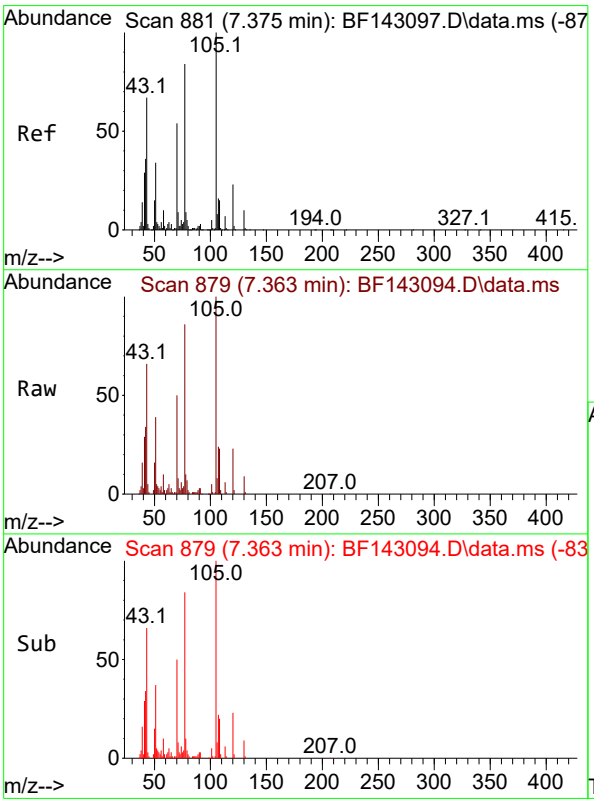
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.9	8.3	12.5
68	7.1	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

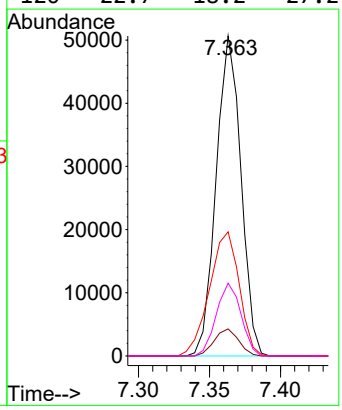
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

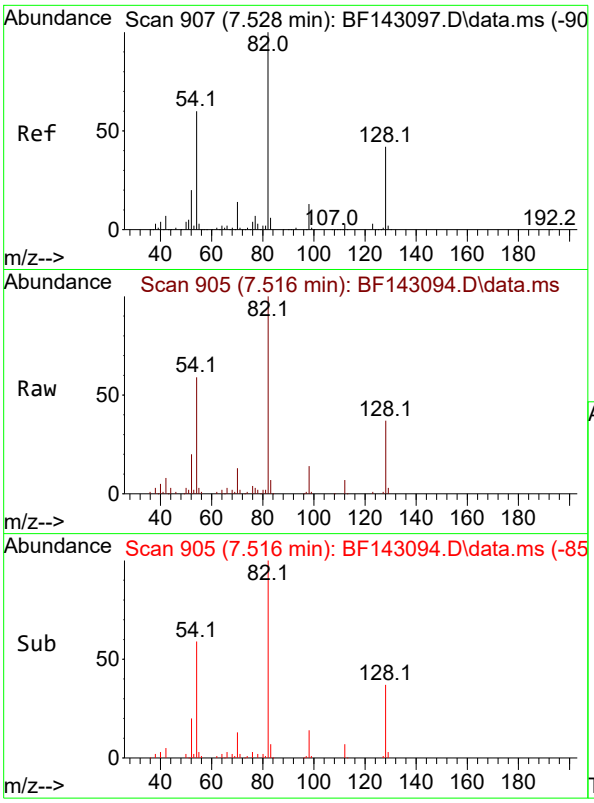


#22
Acetophenone
Concen: 5.580 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:105 Resp: 61393

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.2	10.8
51	38.8	27.0	40.4
120	22.7	18.2	27.2

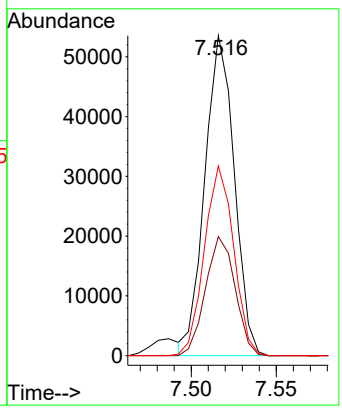




#23
Nitrobenzene-d5
Concen: 7.927 ng m
RT: 7.516 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 82 Resp: 6450

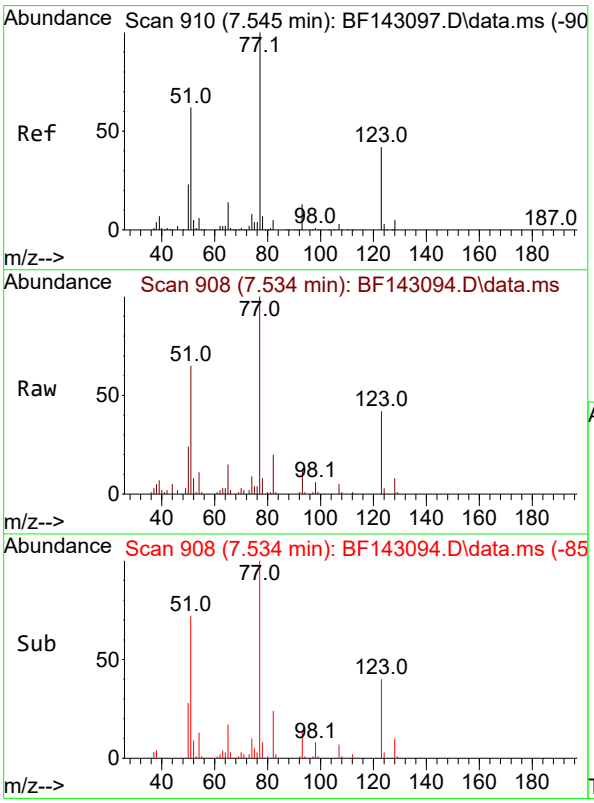
Ion	Ratio	Lower	Upper
82	100		
128	37.2	33.3	49.9
54	59.3	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

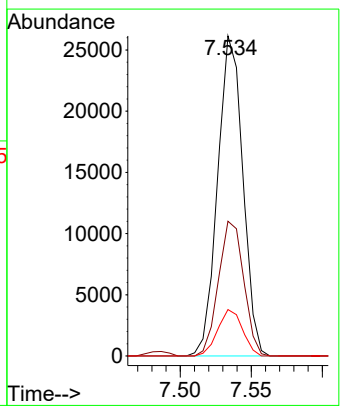
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

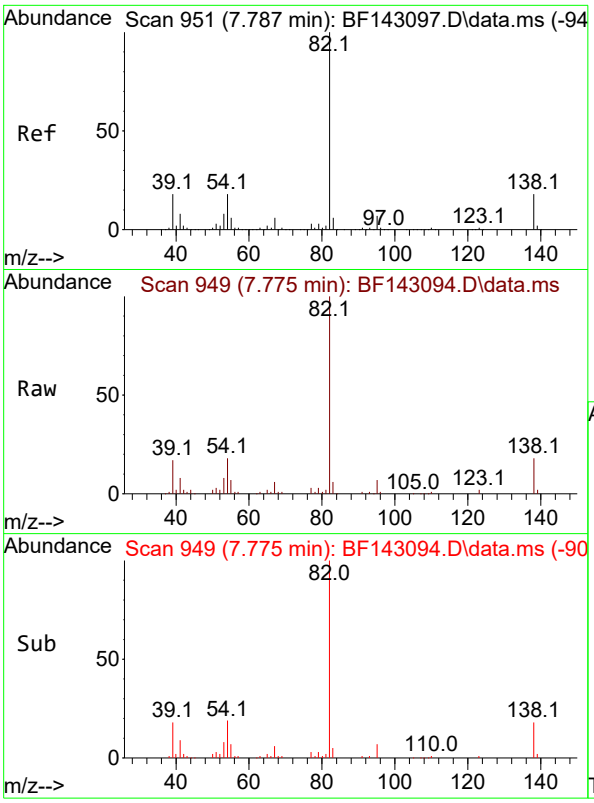


#24
Nitrobenzene
Concen: 4.100 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 77 Resp: 32206

Ion	Ratio	Lower	Upper
77	100		
123	42.1	34.5	51.7
65	14.5	11.3	16.9

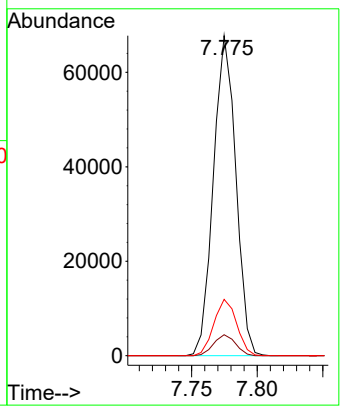




#25
Isophorone
Concen: 5.118 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 82 Resp: 8049

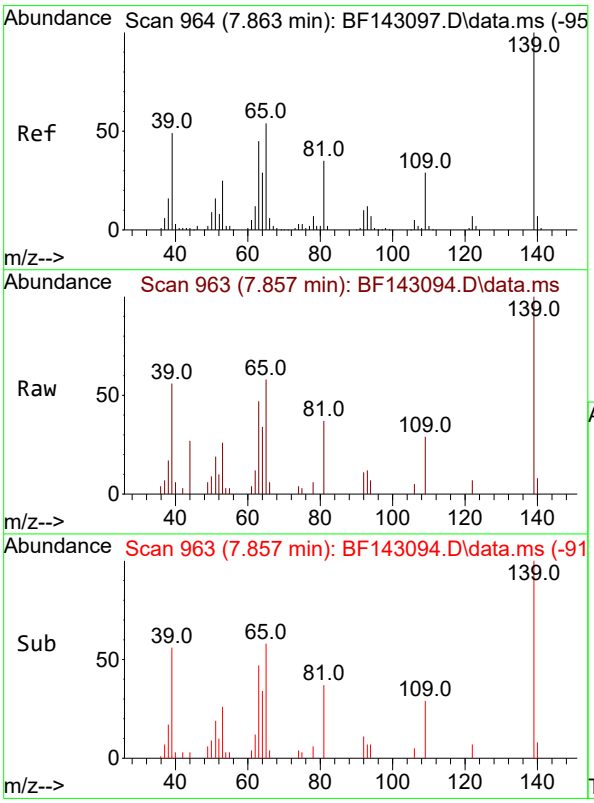
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.6	8.4
138	17.6	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

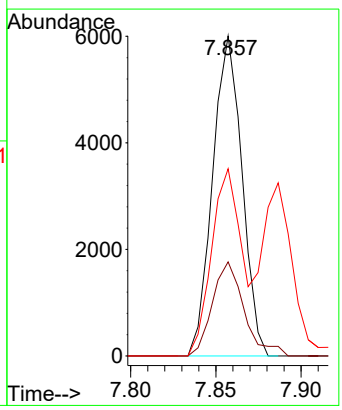
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

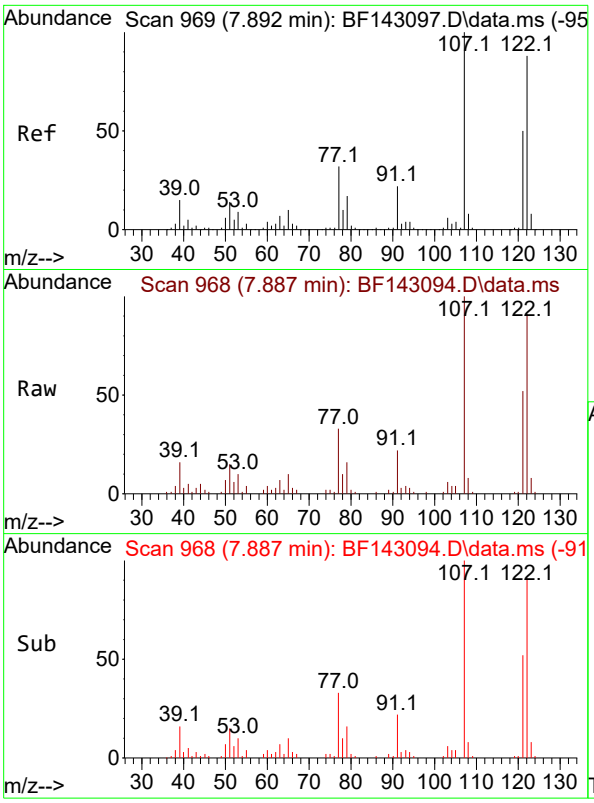


#26
2-Nitrophenol
Concen: 6.037 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:139 Resp: 7204

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.4	35.0
65	58.5	43.4	65.2

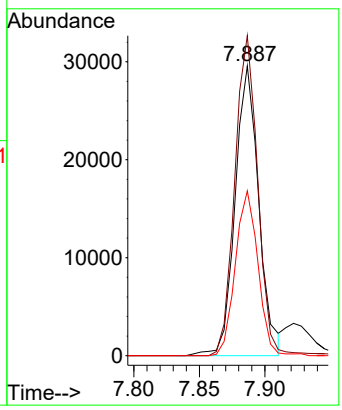




#27
2,4-Dimethylphenol
Concen: 5.082 ng
RT: 7.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:122 Resp: 3709

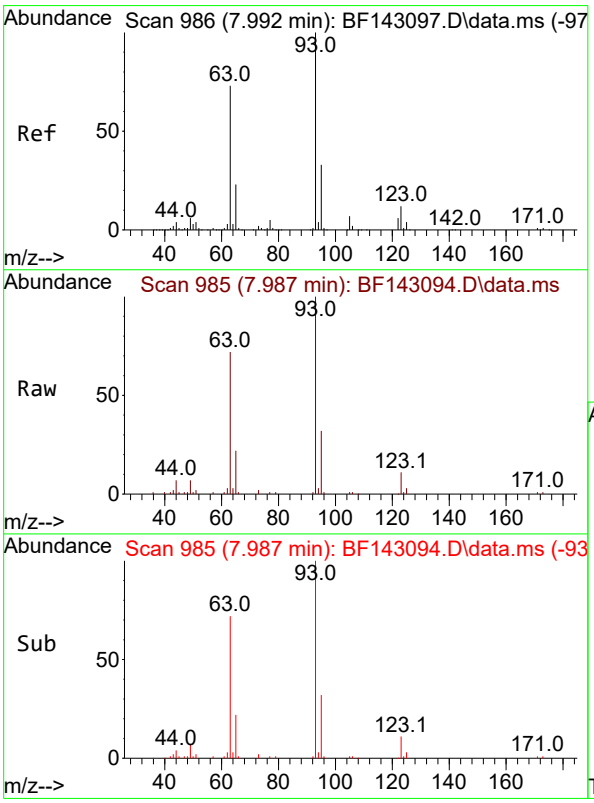
Ion	Ratio	Lower	Upper
122	100		
107	110.4	91.3	136.9
121	56.9	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

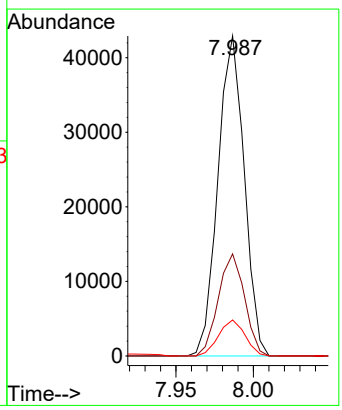
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

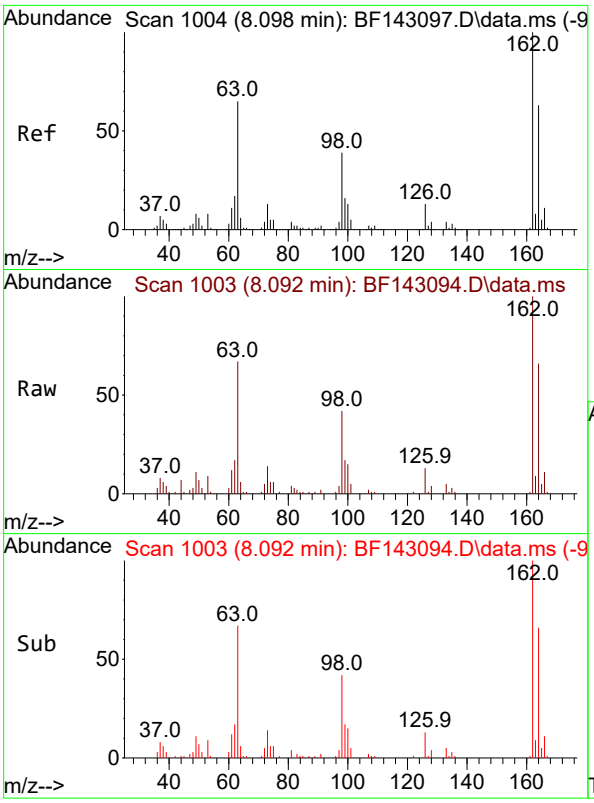


#28
bis(2-Chloroethoxy)methane
Concen: 5.310 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 50637

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.4
123	11.2	9.6	14.4

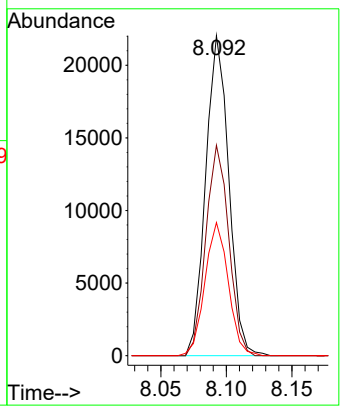




#29
2,4-Dichlorophenol
Concen: 4.529 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:162 Resp: 2704

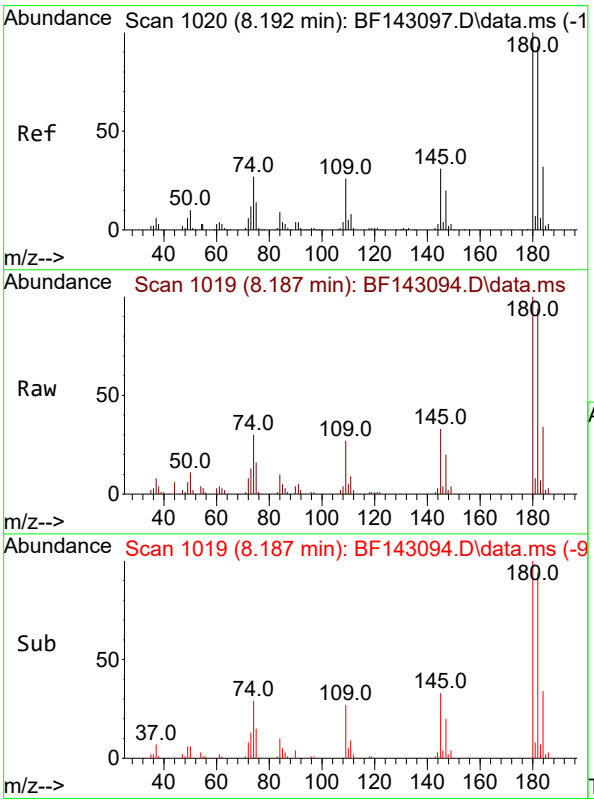
Ion	Ratio	Lower	Upper
162	100		
164	65.7	43.1	83.1
98	41.6	19.2	59.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

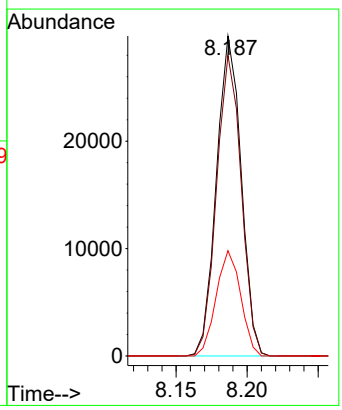
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

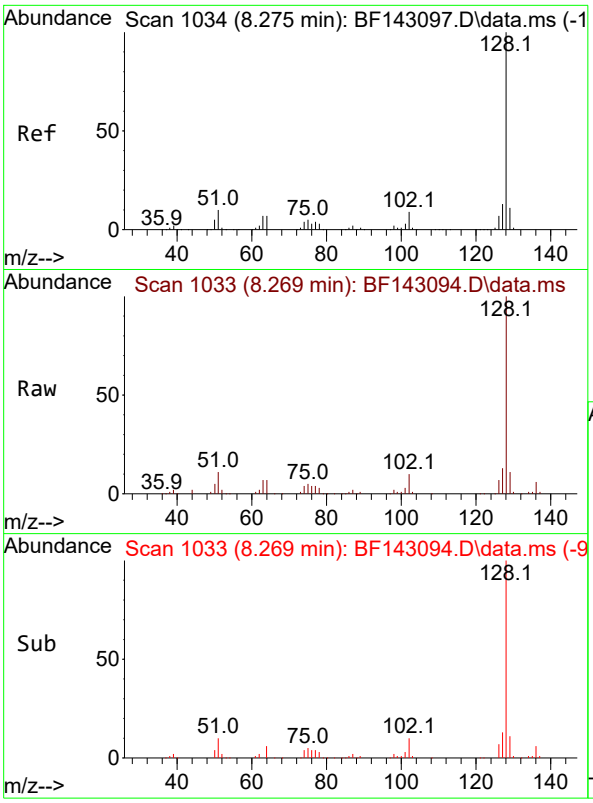


#30
1,2,4-Trichlorobenzene
Concen: 5.315 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:180 Resp: 36023

Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.7	112.1
145	32.9	24.5	36.7

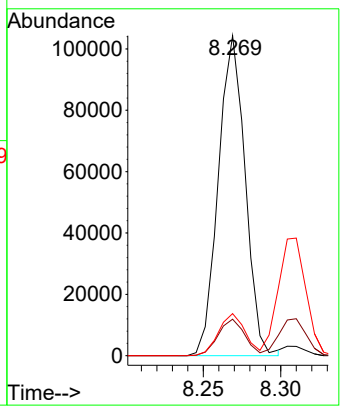




#31
Naphthalene
Concen: 5.535 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:128 Resp: 12546

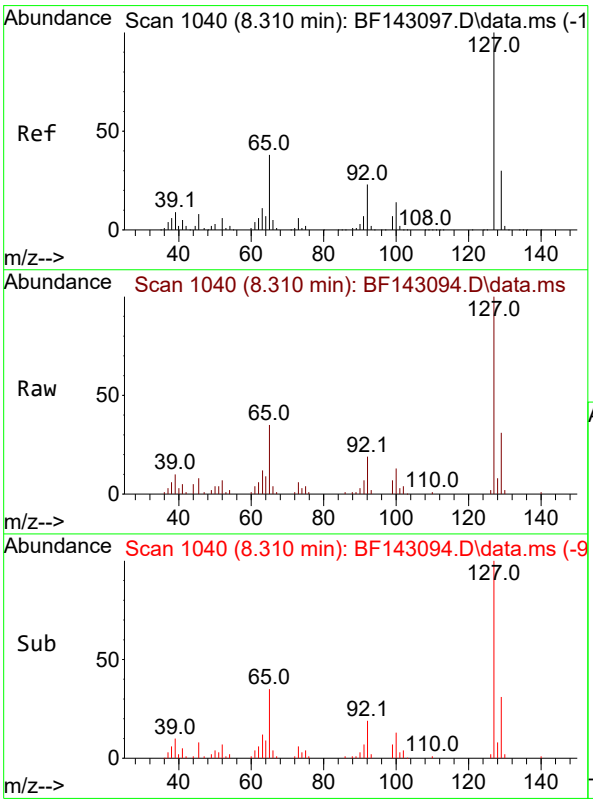
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.2	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

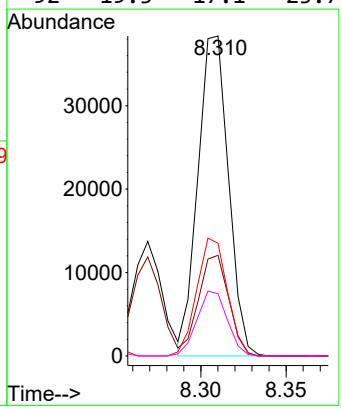
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

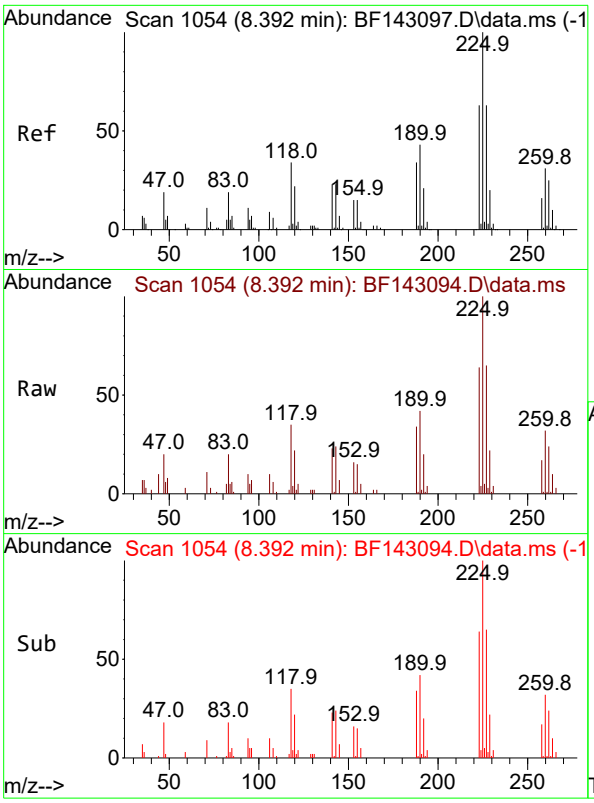


#33
4-Chloroaniline
Concen: 5.260 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:127 Resp: 47947

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.2	39.4
65	35.2	28.6	42.8
92	19.5	17.1	25.7

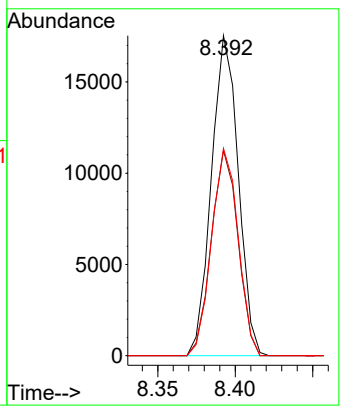




#34
Hexachlorobutadiene
Concen: 5.207 ng
RT: 8.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:225 Resp: 2110

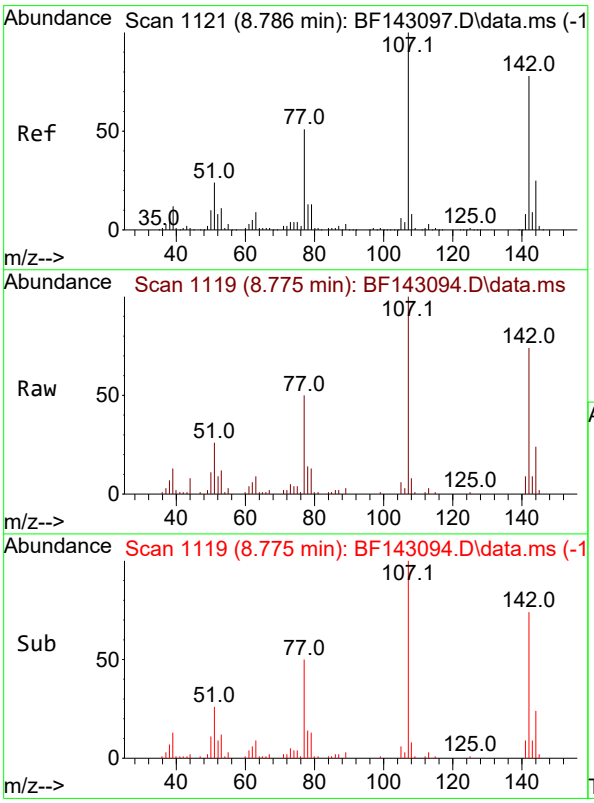
Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.3	75.5
227	64.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

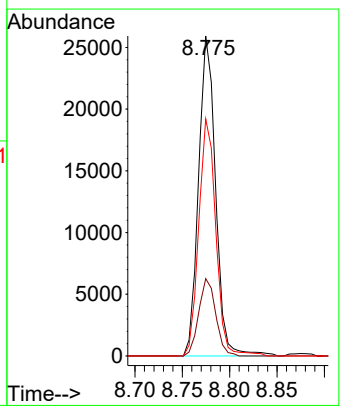
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

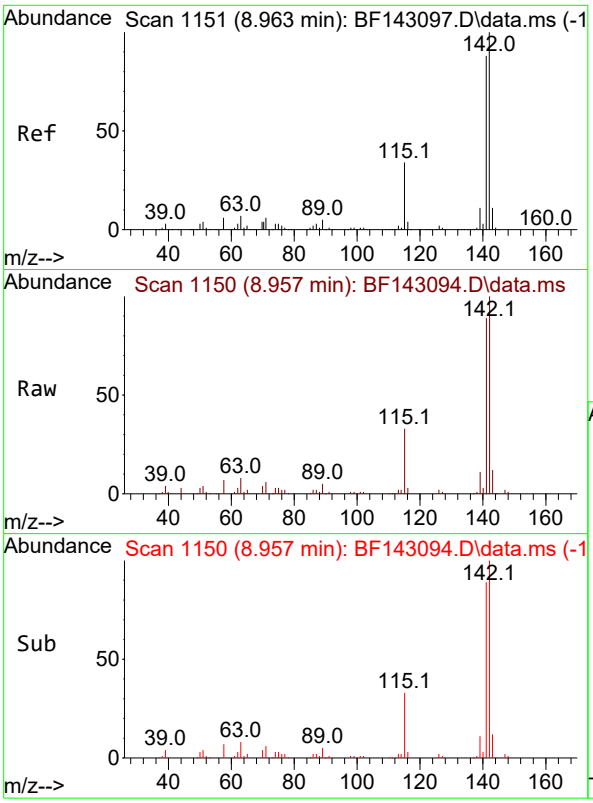


#36
4-Chloro-3-methylphenol
Concen: 4.892 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 32542

Ion	Ratio	Lower	Upper
107	100		
144	24.1	20.2	30.2
142	74.1	62.4	93.6





#37
2-Methylnaphthalene
Concen: 5.436 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

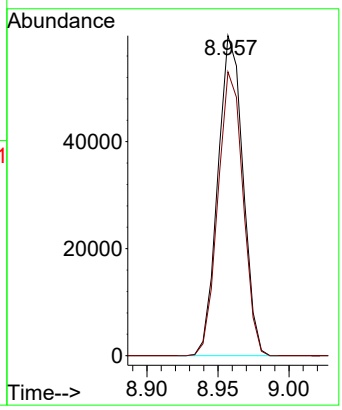
Tgt Ion:142 Resp: 7351

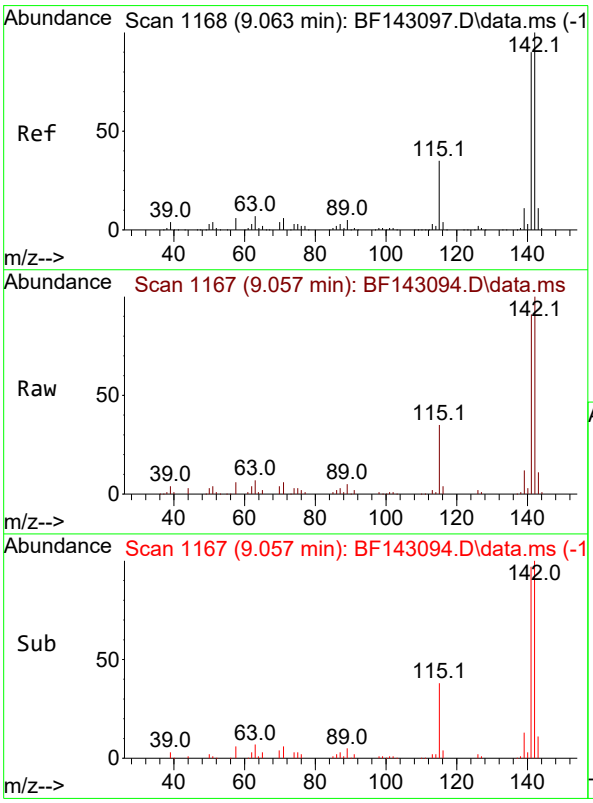
Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.2	105.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

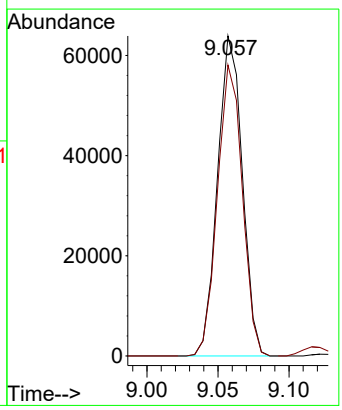


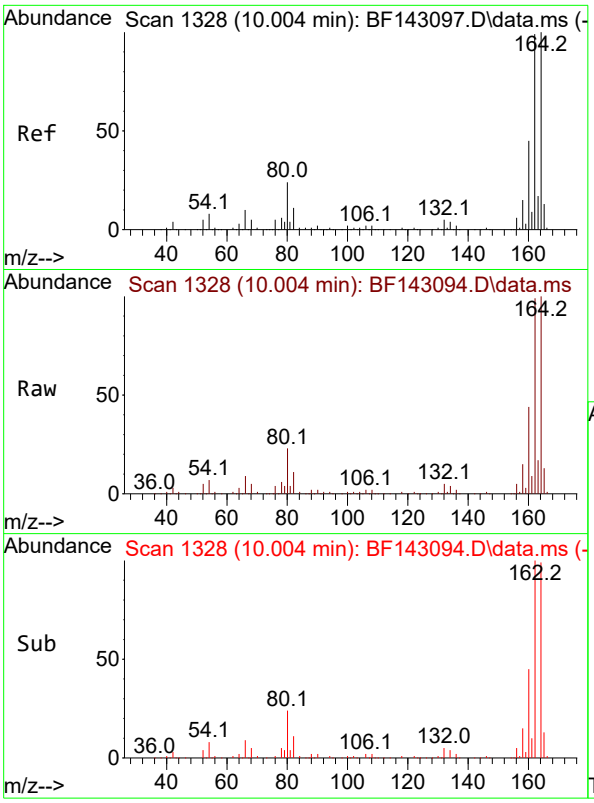


#38
1-Methylnaphthalene
Concen: 5.518 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:142 Resp: 77390

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.2	108.4

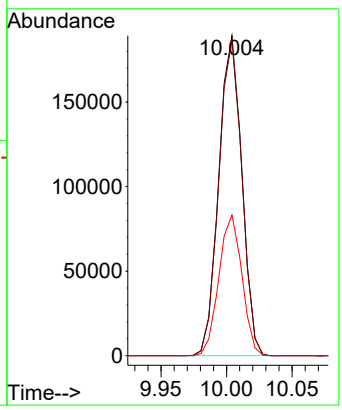




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:164 Resp: 23097

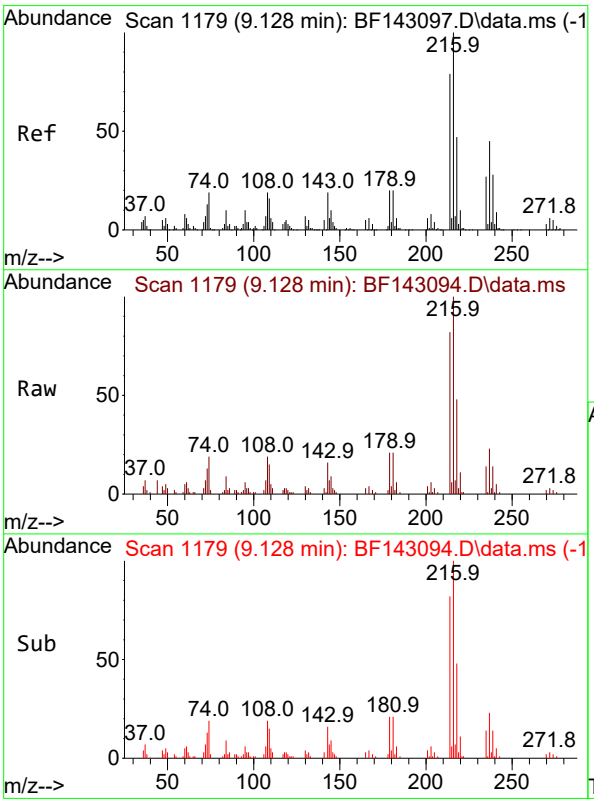
Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.0	118.6
160	44.0	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

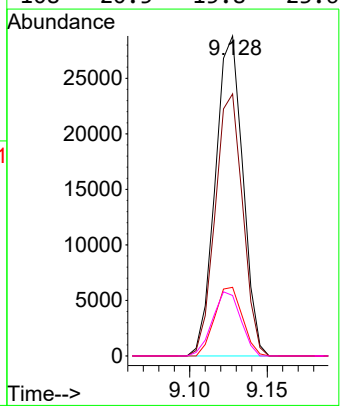
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

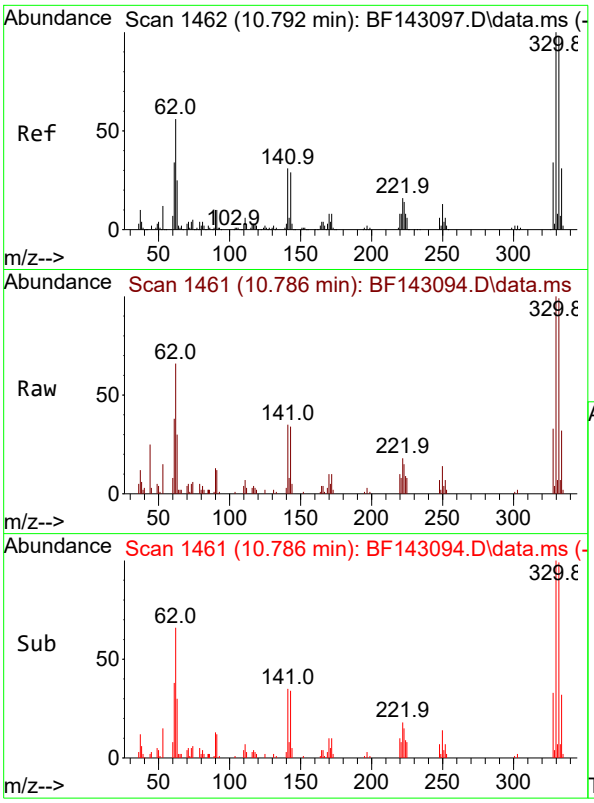


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.286 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:216 Resp: 35579

Ion	Ratio	Lower	Upper
216	100		
214	81.8	62.6	94.0
179	21.6	16.2	24.2
108	20.5	15.8	23.6





#42
2,4,6-Tribromophenol
Concen: 7.625 ng
RT: 10.786 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

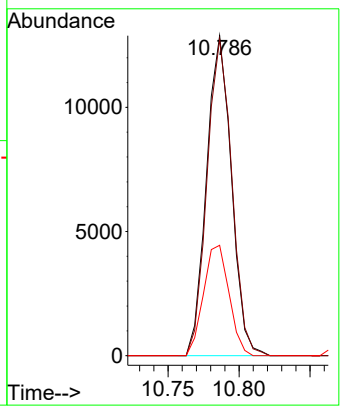
Tgt Ion:330 Resp: 1570

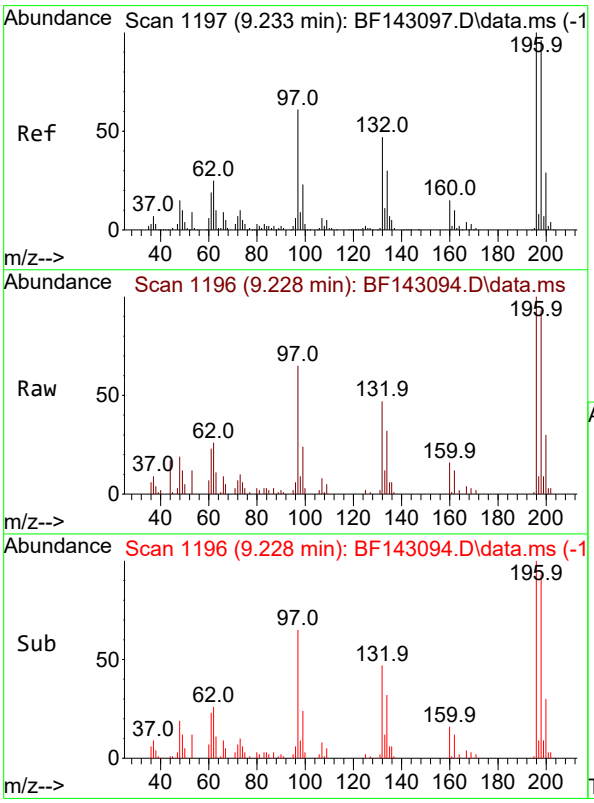
Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.9	116.9
141	35.3	25.9	38.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

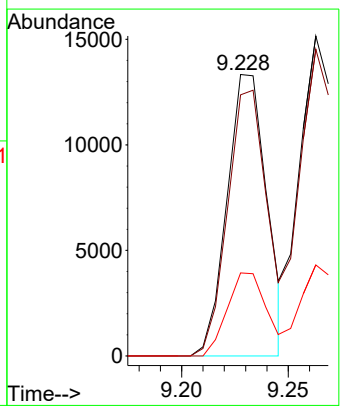


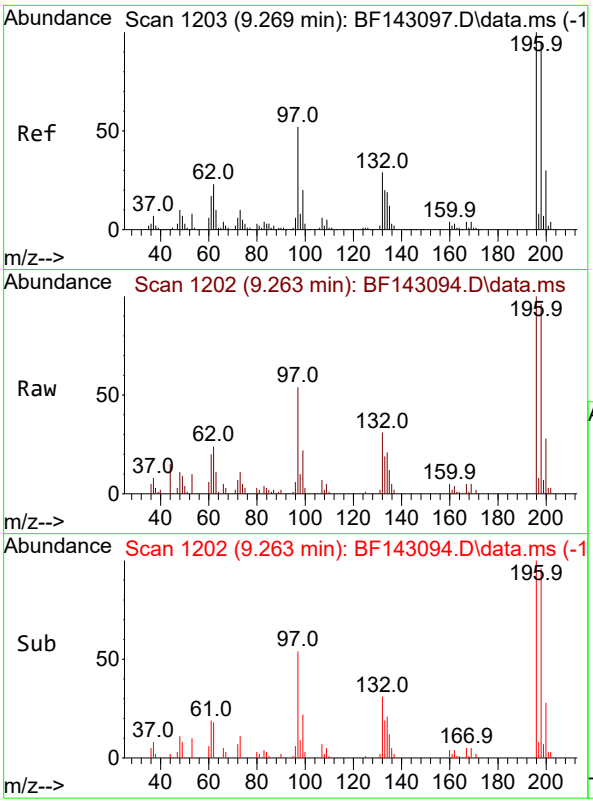


#43
2,4,6-Trichlorophenol
Concen: 4.135 ng
RT: 9.228 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:196 Resp: 17295

Ion	Ratio	Lower	Upper
196	100		
198	92.8	76.9	115.3
200	29.5	23.5	35.3

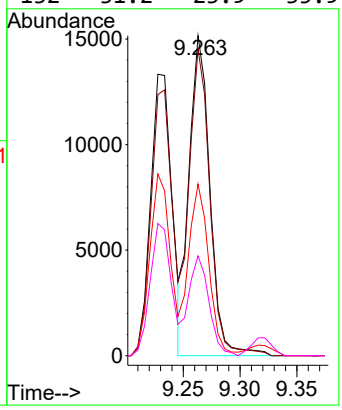




#44
2,4,5-Trichlorophenol
Concen: 4.427 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:196 Resp: 1941

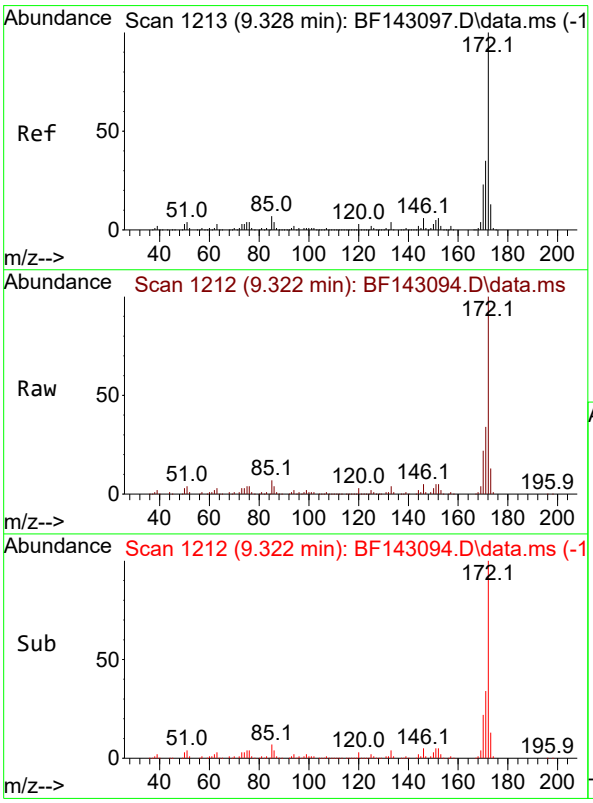
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.4	114.6
97	53.7	42.4	63.6
132	31.2	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

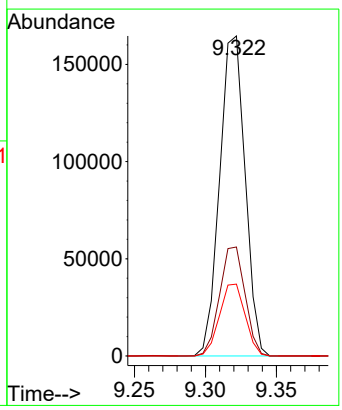
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

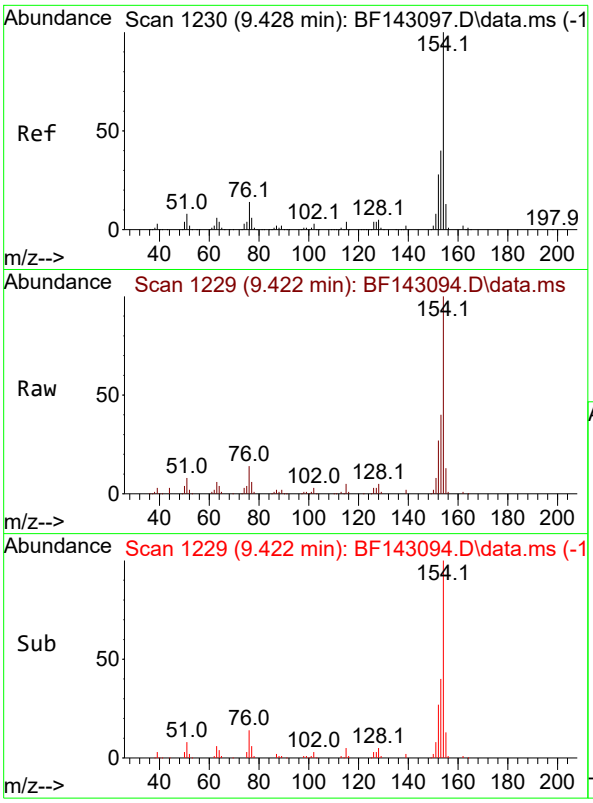


#45
2-Fluorobiphenyl
Concen: 11.814 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:172 Resp: 205273

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.4
170	22.5	18.6	28.0

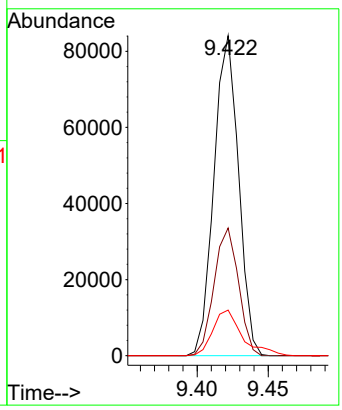




#46
1,1'-Biphenyl
Concen: 5.486 ng
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:154 Resp: 10105

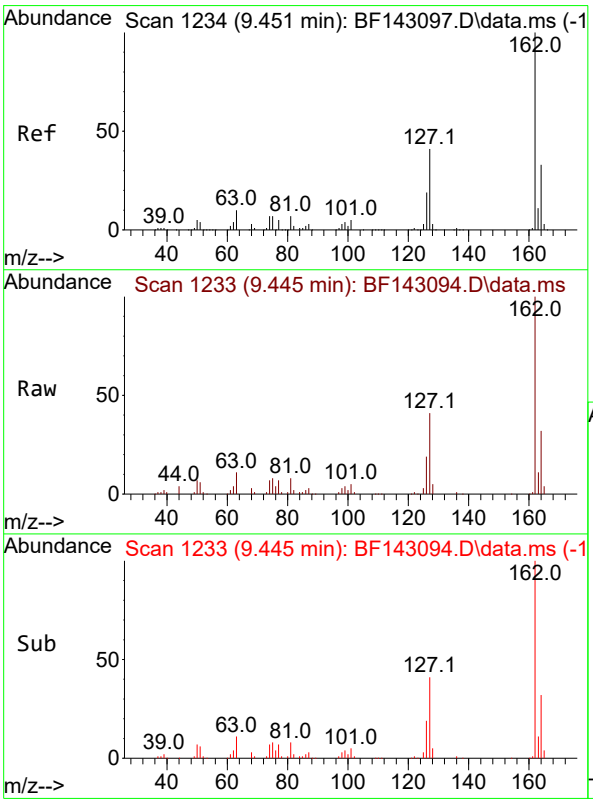
Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.1	60.1
76	14.2	0.0	33.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

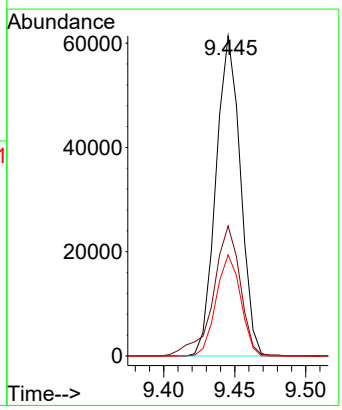
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

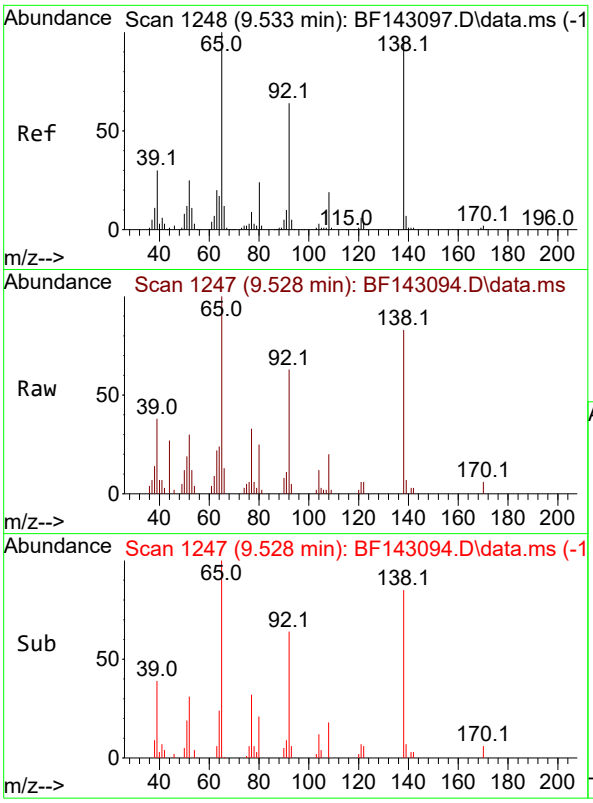


#47
2-Chloronaphthalene
Concen: 5.423 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:162 Resp: 73385

Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.0	49.6
164	31.6	26.1	39.1

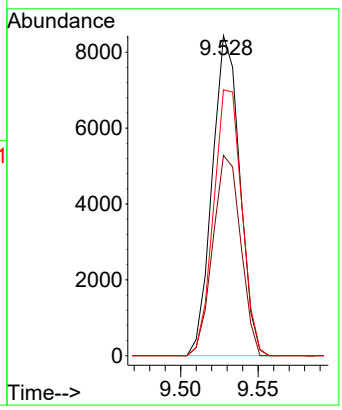




#48
2-Nitroaniline
Concen: 5.579 ng
RT: 9.528 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 65 Resp: 1039

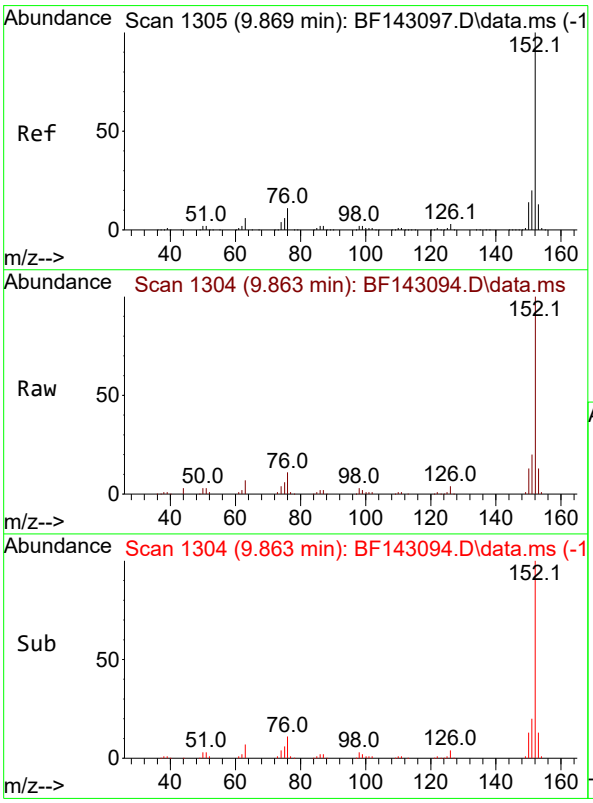
Ion	Ratio	Lower	Upper
65	100		
92	62.6	51.3	76.9
138	83.1	77.8	116.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

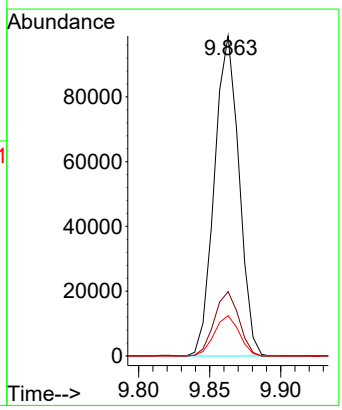
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

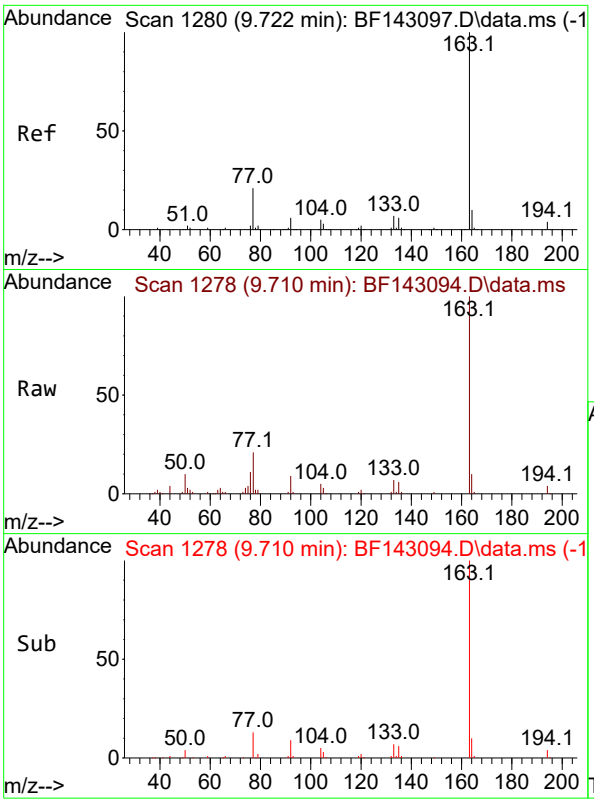


#49
Acenaphthylene
Concen: 5.276 ng
RT: 9.863 min Scan# 1304
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:152 Resp: 118965

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	12.6	10.4	15.6





#50
Dimethylphthalate
Concen: 5.207 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

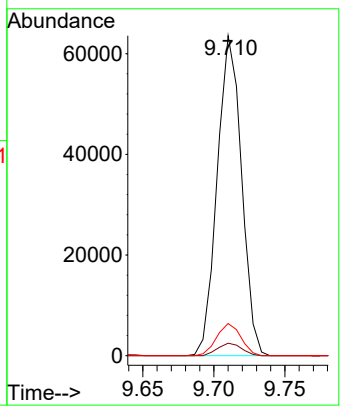
Tgt Ion:163 Resp: 7565

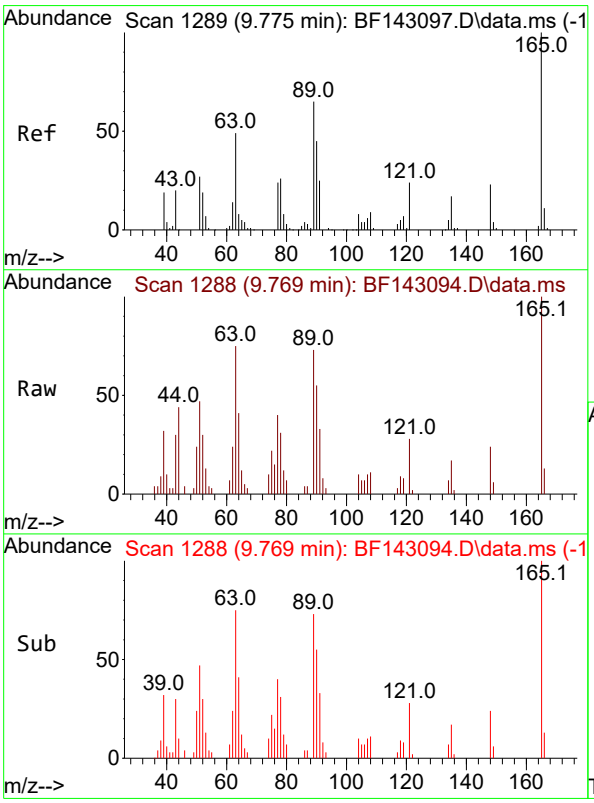
Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.1	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

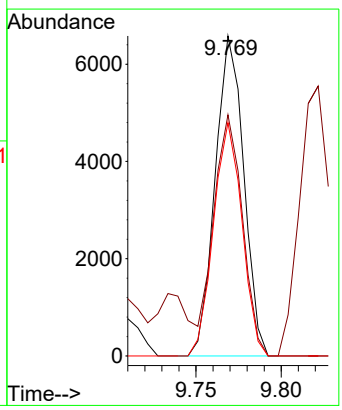


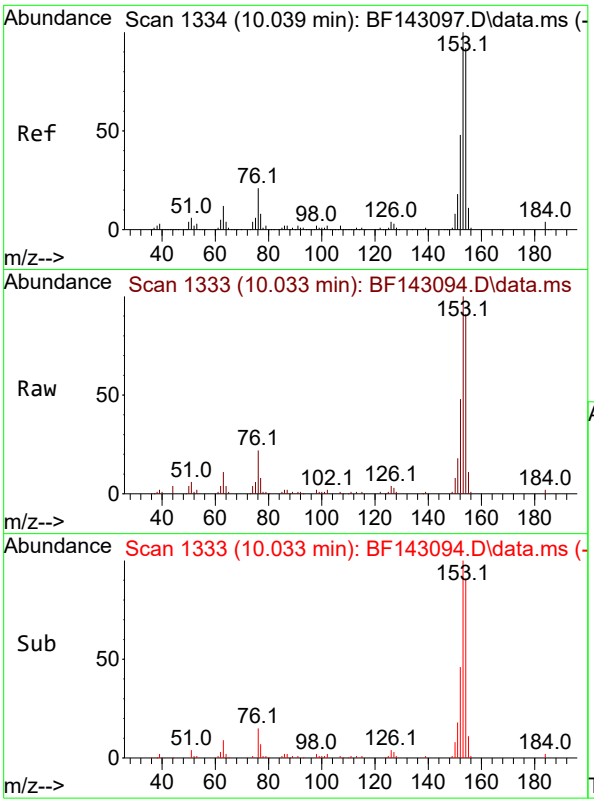


#51
2,6-Dinitrotoluene
Concen: 5.308 ng
RT: 9.769 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:165 Resp: 7659

Ion	Ratio	Lower	Upper
165	100		
63	75.4	57.4	86.0
89	72.9	51.8	77.8

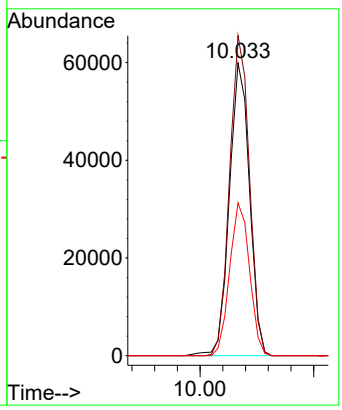




#52
Acenaphthene
Concen: 5.526 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:154 Resp: 7353

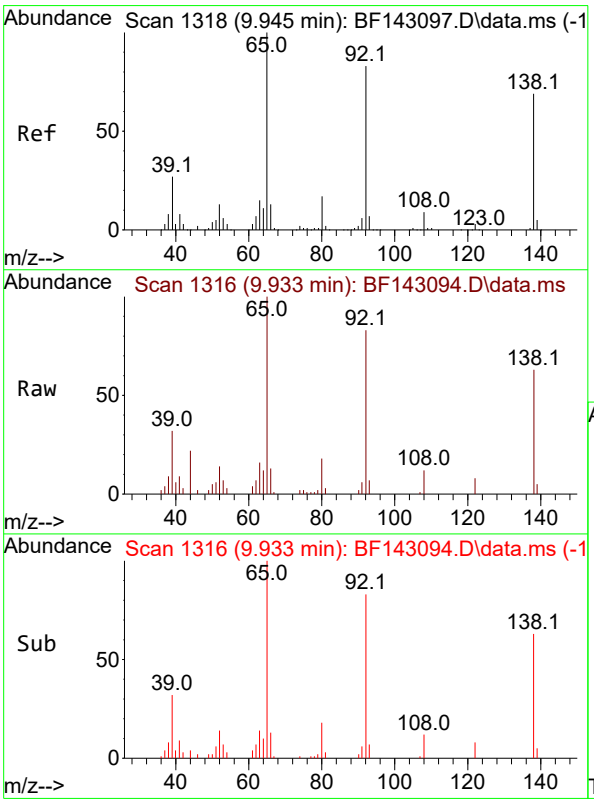
Ion	Ratio	Lower	Upper
154	100		
153	109.4	86.7	130.1
152	52.2	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

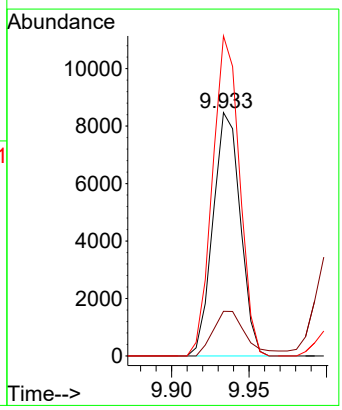
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

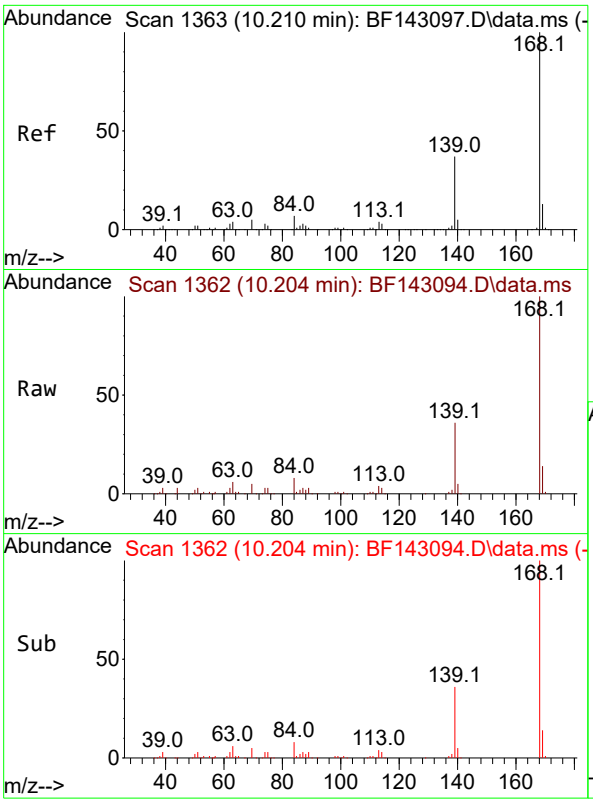


#53
3-Nitroaniline
Concen: 3.307 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:138 Resp: 10382

Ion	Ratio	Lower	Upper
138	100		
108	18.3	10.1	15.1#
92	131.5	96.4	144.6

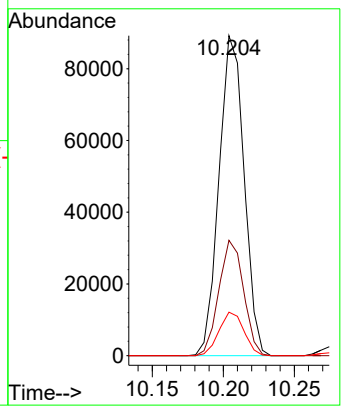




#55
Dibenzofuran
Concen: 5.518 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:168 Resp: 10943

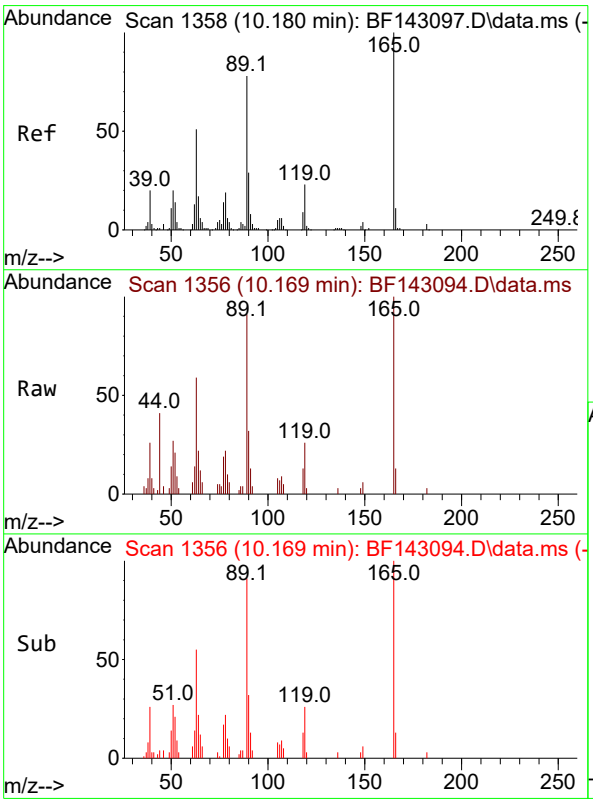
Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.8	44.6
169	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

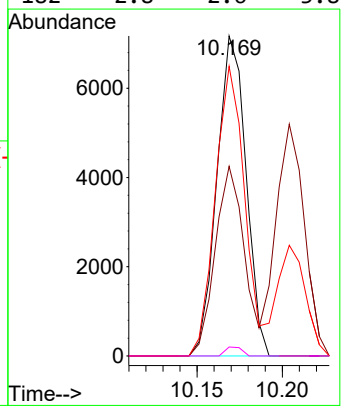
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

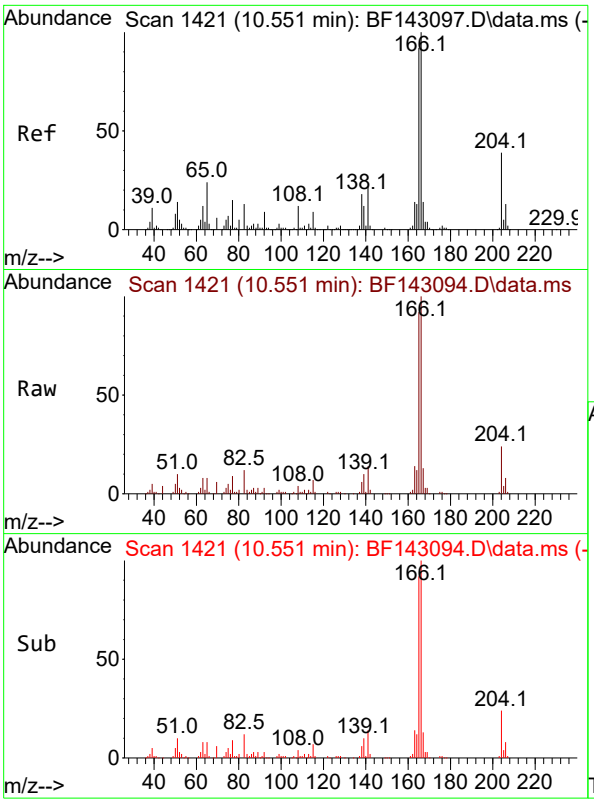


#57
2,4-Dinitrotoluene
Concen: 5.606 ng
RT: 10.169 min Scan# 1356
Delta R.T. -0.011 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:165 Resp: 8515

Ion	Ratio	Lower	Upper
165	100		
63	59.3	40.6	61.0
89	90.5	62.3	93.5
182	2.8	2.6	3.8

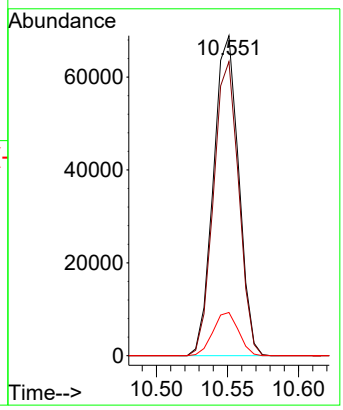




#58
Fluorene
Concen: 5.738 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:166 Resp: 8531

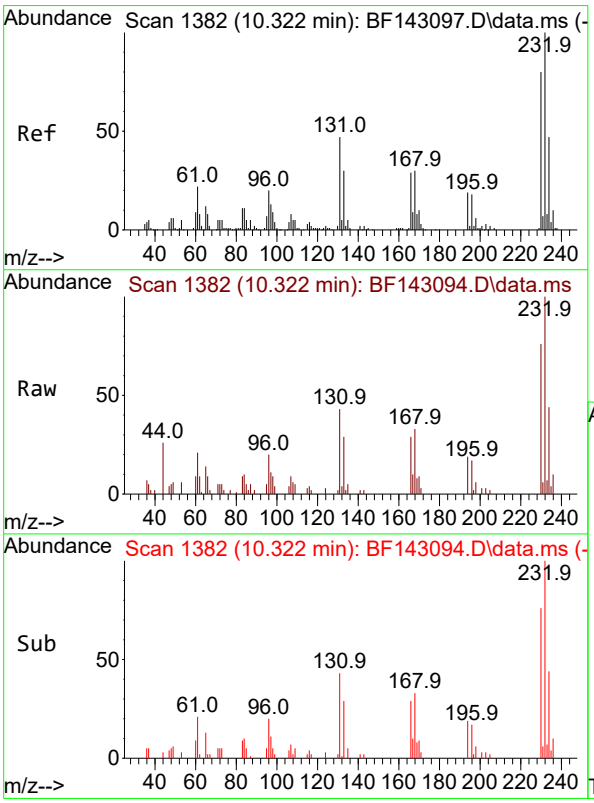
Ion	Ratio	Lower	Upper
166	100		
165	91.9	73.7	110.5
167	13.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

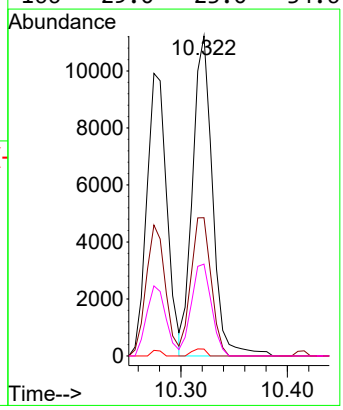
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

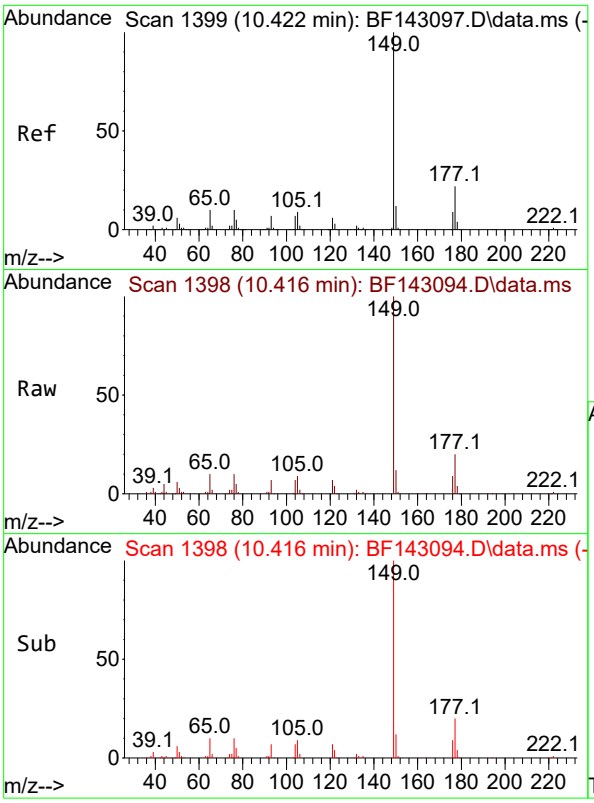


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.192 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:232 Resp: 14610

Ion	Ratio	Lower	Upper
232	100		
131	43.7	36.9	55.3
130	1.5	1.8	2.8#
166	29.0	23.0	34.6





#60
Diethylphthalate
Concen: 5.031 ng
RT: 10.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

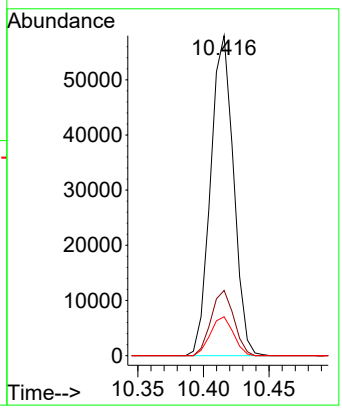
Tgt Ion:149 Resp: 7053

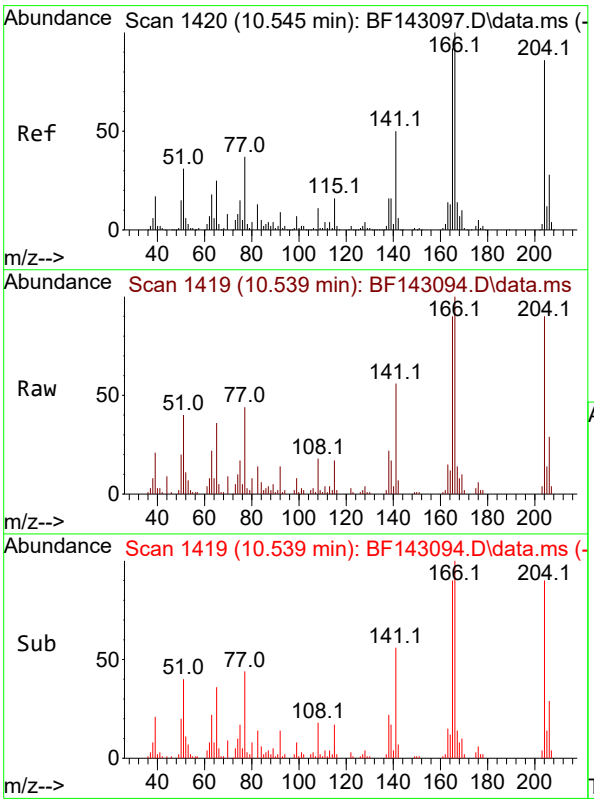
Ion	Ratio	Lower	Upper
149	100		
177	20.4	17.3	25.9
150	12.1	9.9	14.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

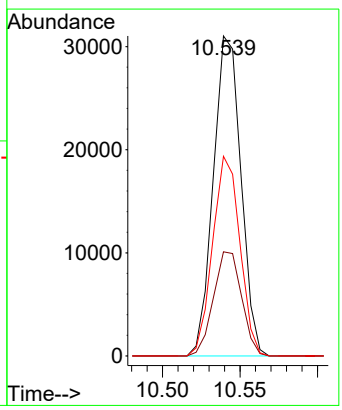


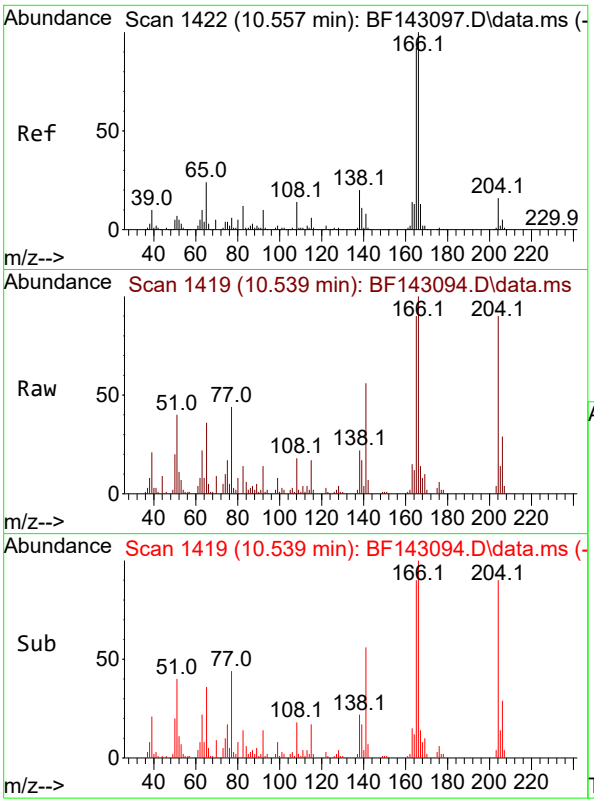


#61
4-Chlorophenyl-phenylether
Concen: 5.395 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:204 Resp: 38452

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	62.4	46.8	70.2

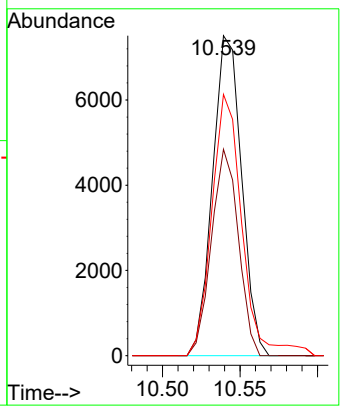




#62
4-Nitroaniline
Concen: 3.581 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:138 Resp: 977

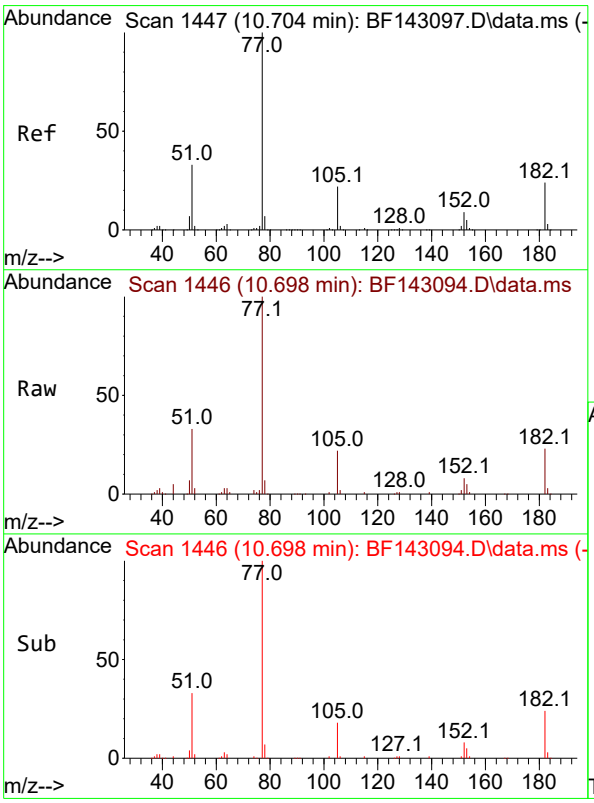
Ion	Ratio	Lower	Upper
138	100		
92	64.5	30.4	70.4
108	81.6	49.5	89.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

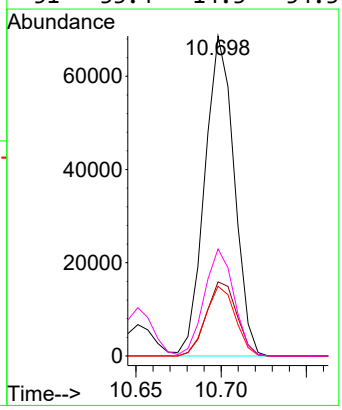
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

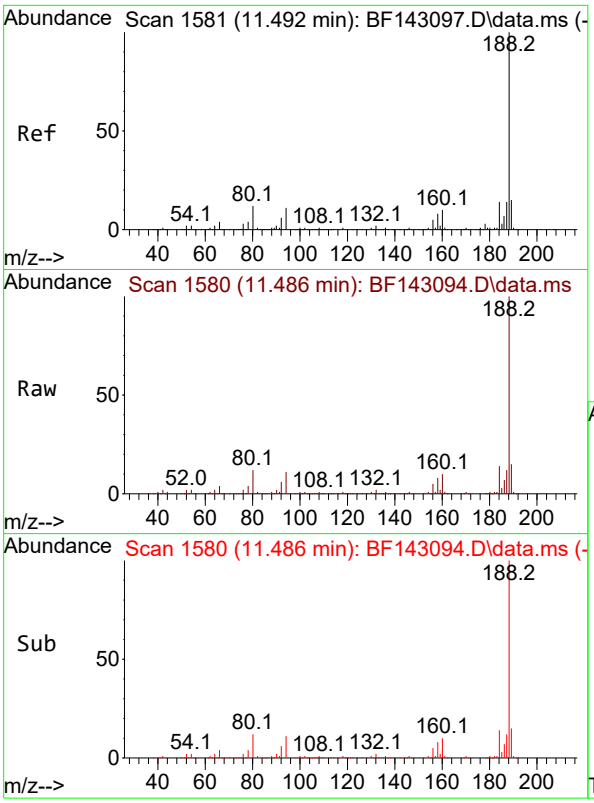


#63
Azobenzene
Concen: 5.308 ng
RT: 10.698 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 77 Resp: 82291

Ion	Ratio	Lower	Upper
77	100		
182	23.1	4.0	44.0
105	21.8	1.4	41.4
51	33.4	14.3	54.3

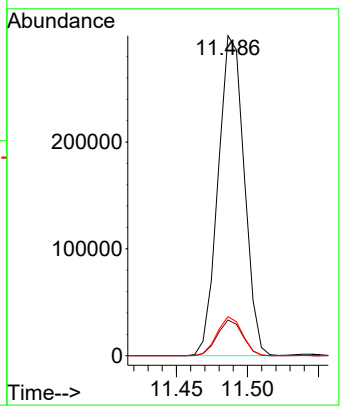




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:188 Resp: 38257

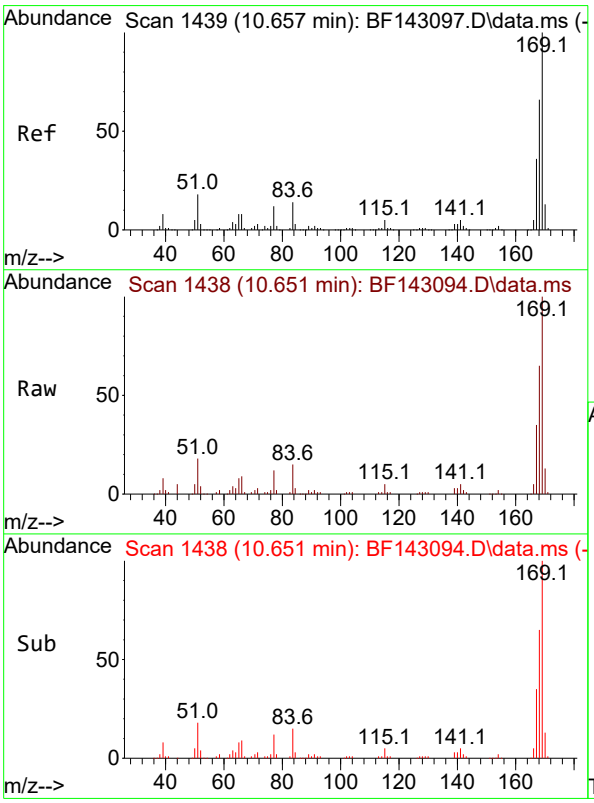
Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.6	13.0
80	12.2	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

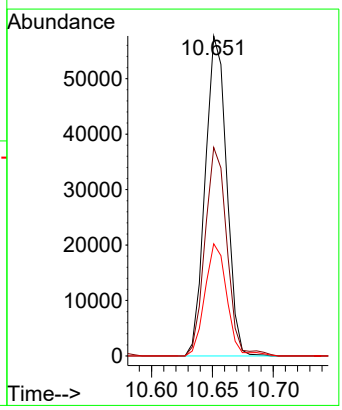
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

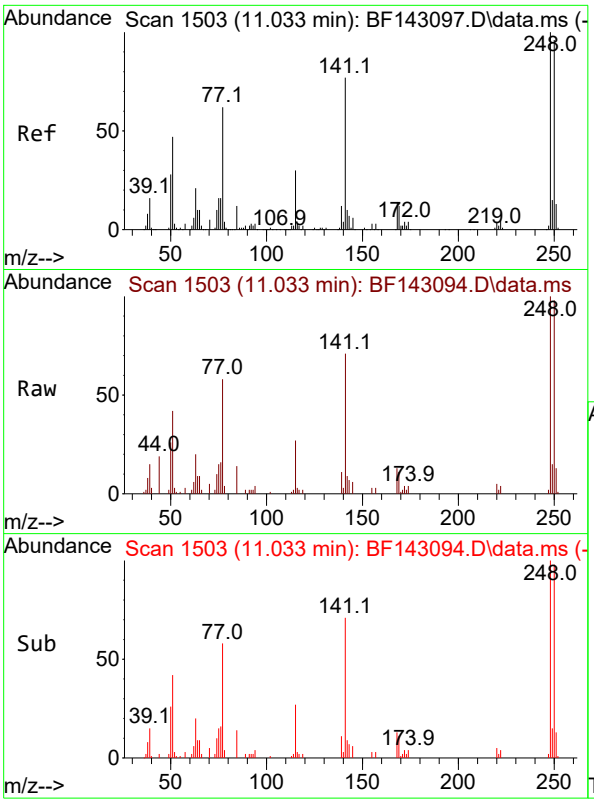


#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:169 Resp: 70293

Ion	Ratio	Lower	Upper
169	100		
168	65.2	53.0	79.6
167	35.1	28.4	42.6

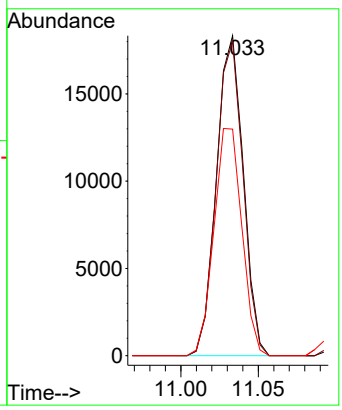




#67
4-Bromophenyl-phenylether
Concen: 5.086 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:248 Resp: 2212

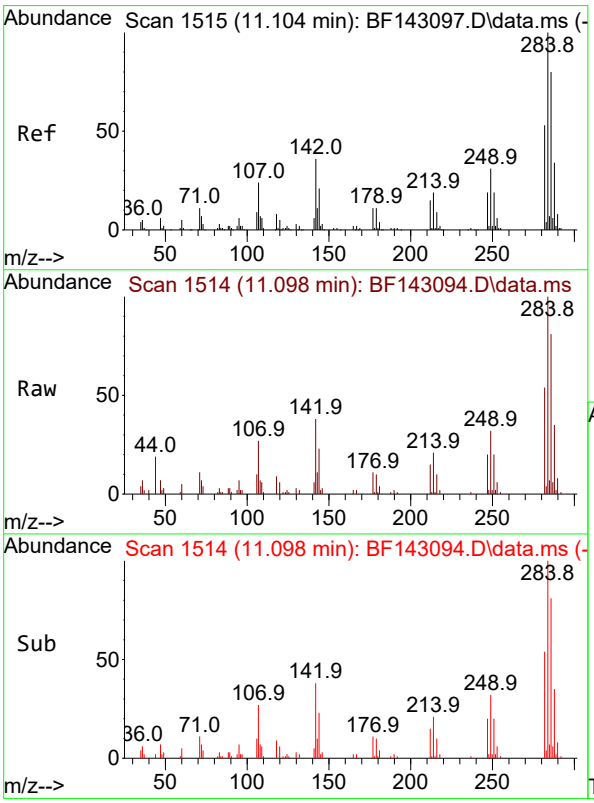
Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.7	115.1
141	70.8	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

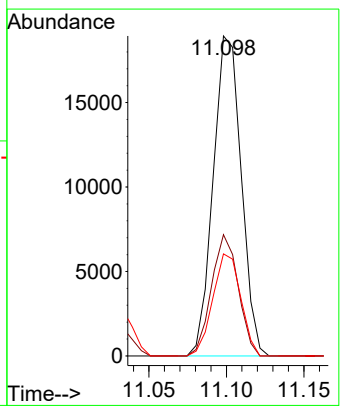
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

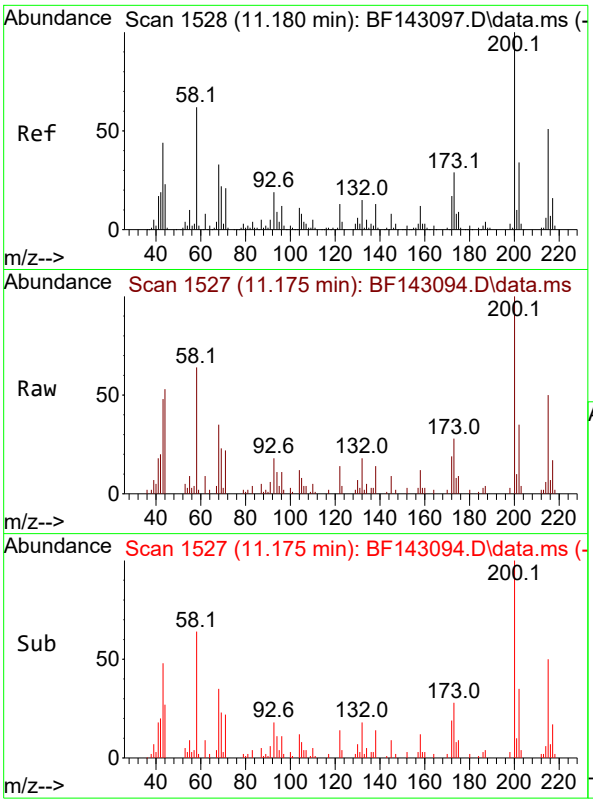


#68
Hexachlorobenzene
Concen: 5.160 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:284 Resp: 23819

Ion	Ratio	Lower	Upper
284	100		
142	37.9	28.9	43.3
249	31.9	24.6	37.0

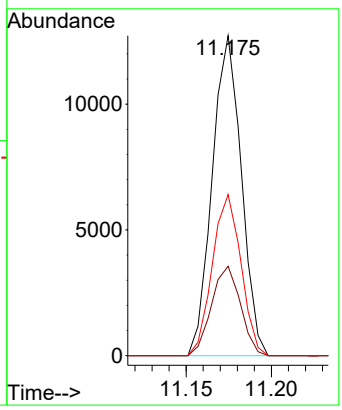




#69
Atrazine
Concen: 4.393 ng
RT: 11.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:200 Resp: 1510

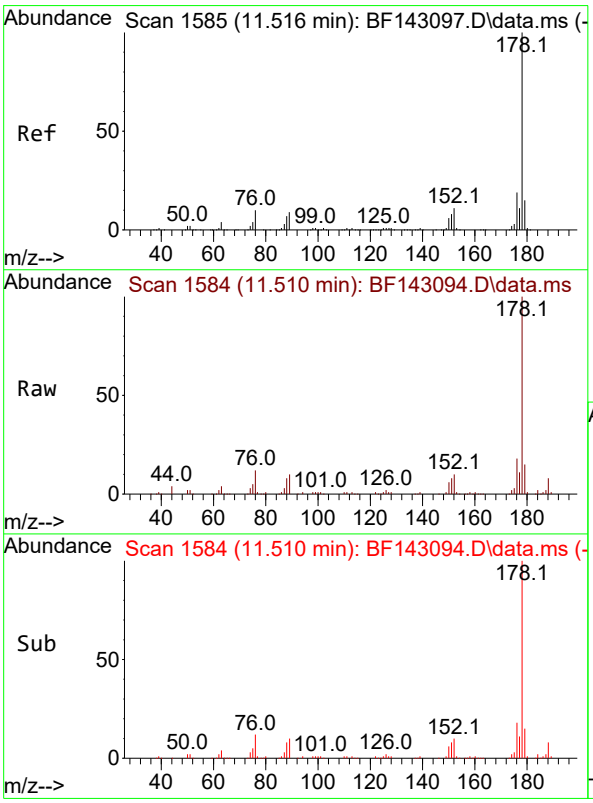
Ion	Ratio	Lower	Upper
200	100		
173	27.9	9.1	49.1
215	50.4	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

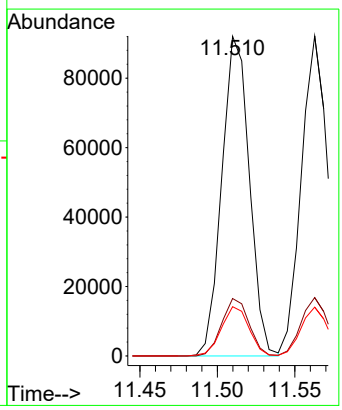
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

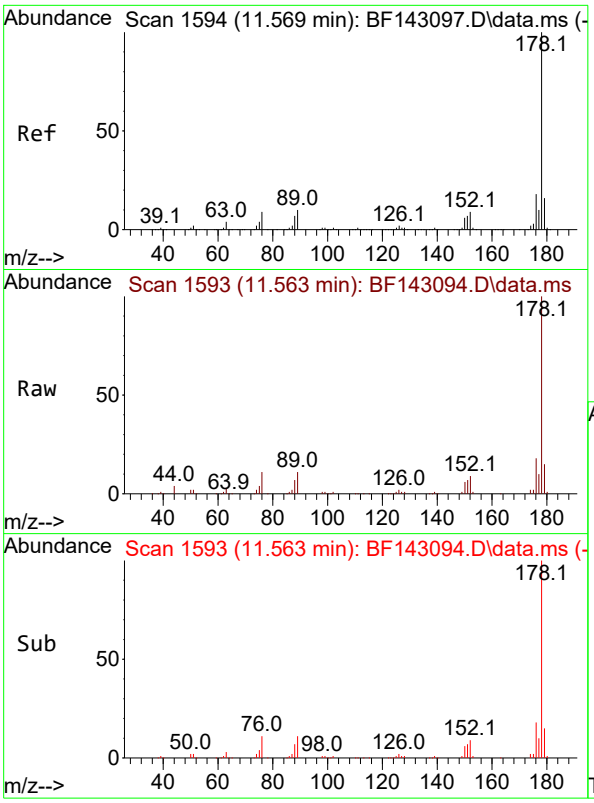


#71
Phenanthrene
Concen: 5.511 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:178 Resp: 113784

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.1	22.7
179	15.4	12.2	18.4

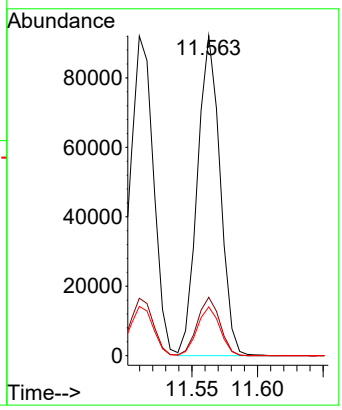




#72
Anthracene
Concen: 5.335 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:178 Resp: 11077

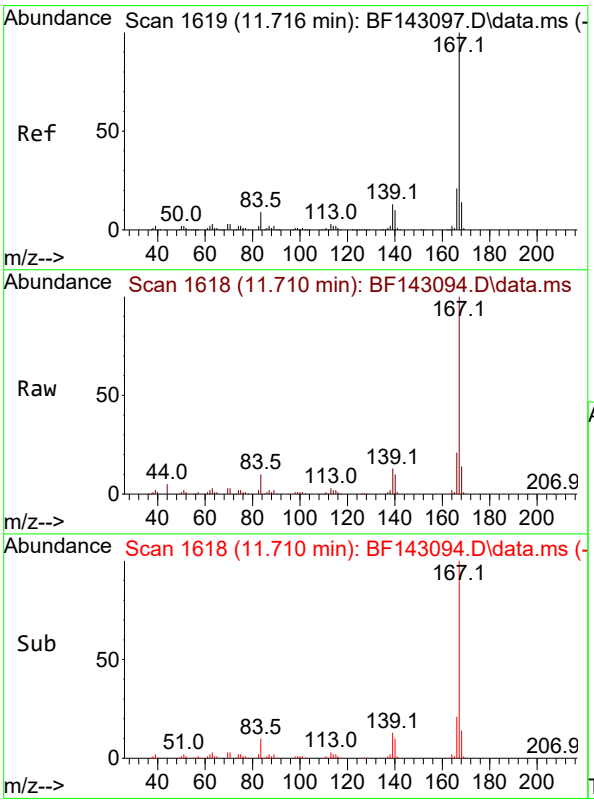
Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.2	12.4	18.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

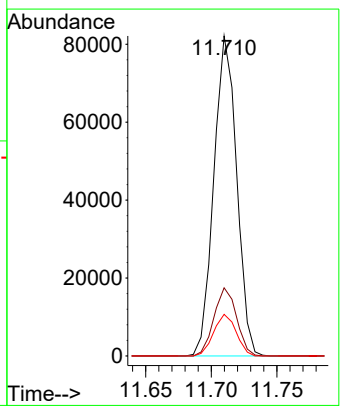
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

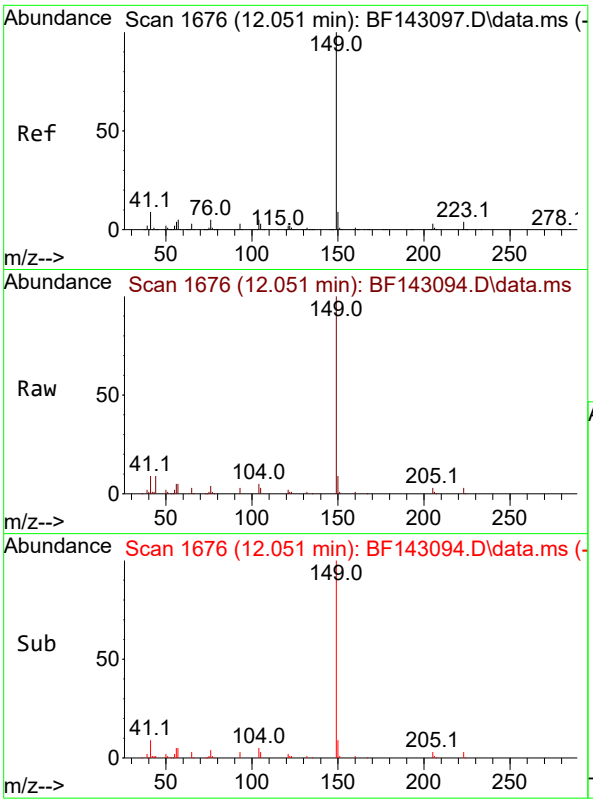


#73
Carbazole
Concen: 5.335 ng
RT: 11.710 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:167 Resp: 99235

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	13.0	10.2	15.4

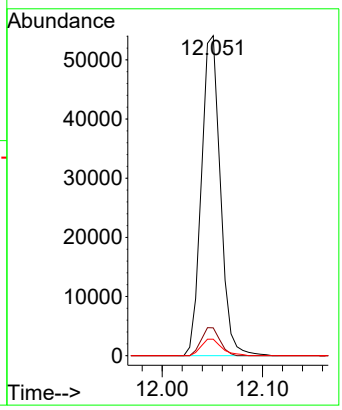




#74
Di-n-butylphthalate
Concen: 4.179 ng
RT: 12.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 7135

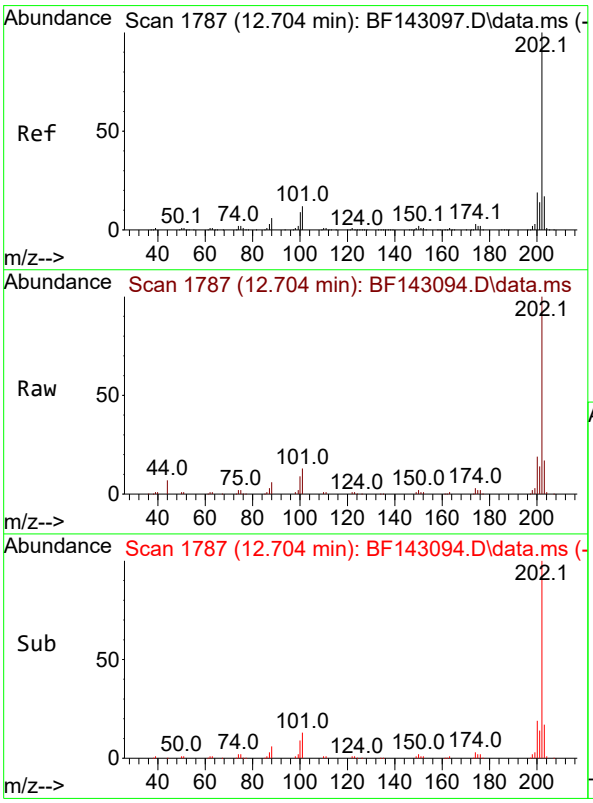
Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	5.1	3.8	5.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

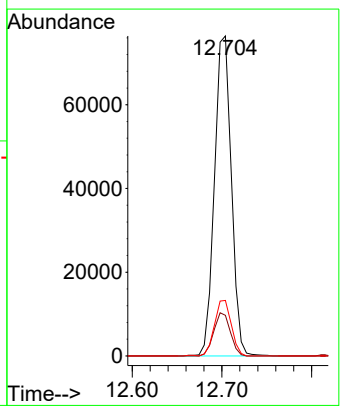
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

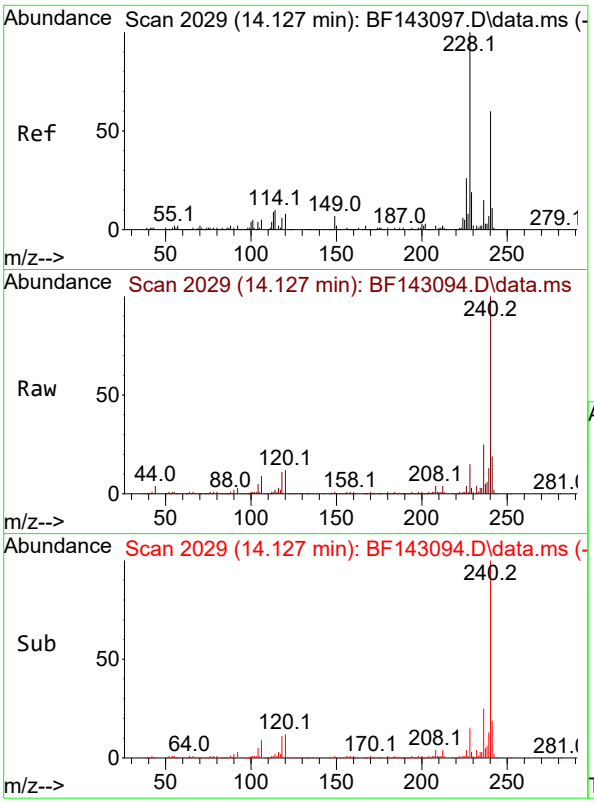


#75
Fluoranthene
Concen: 5.320 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:202 Resp: 99884

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.4
203	17.4	0.0	37.4

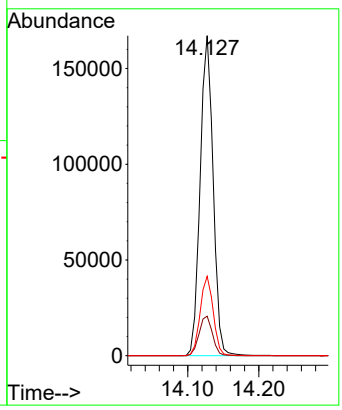




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:240 Resp: 212909

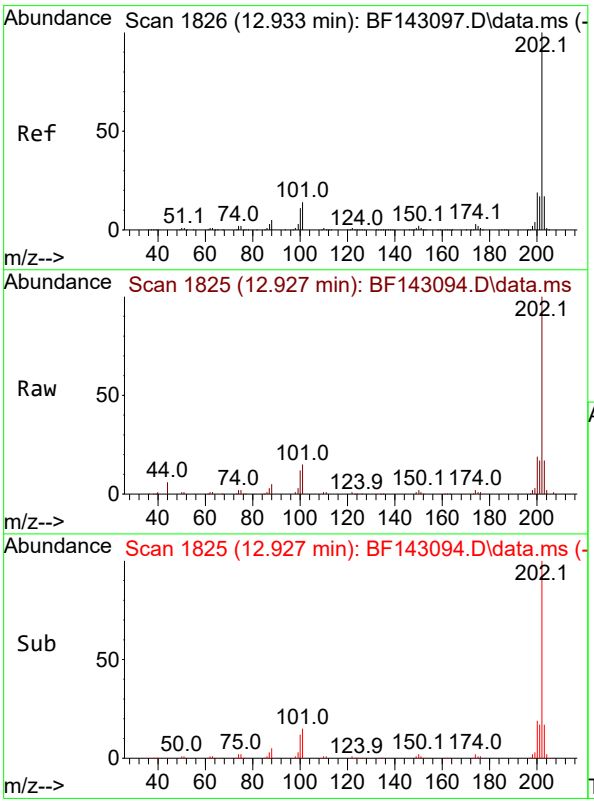
Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	24.8	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

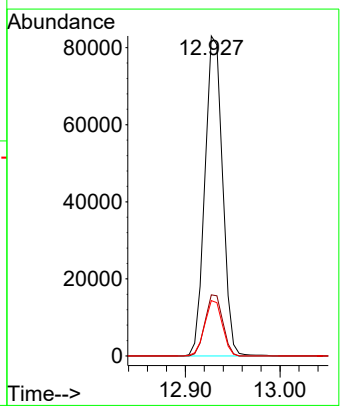
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

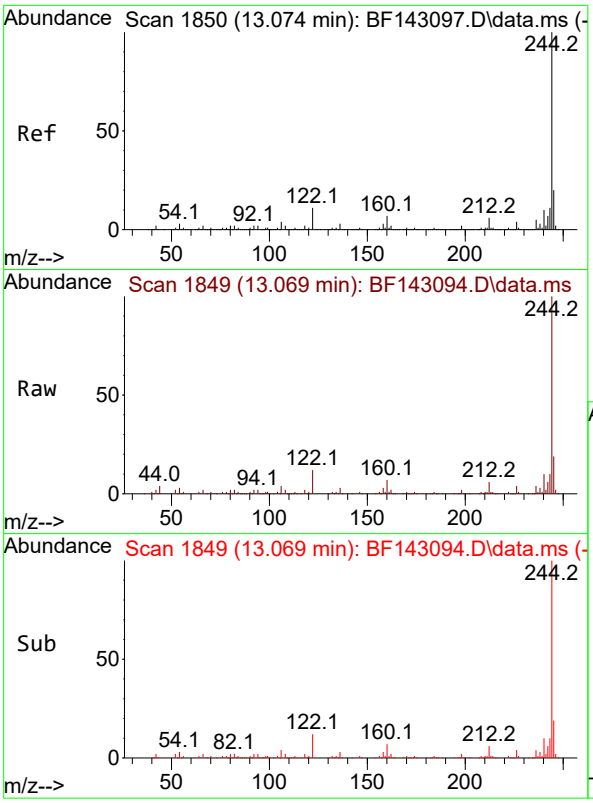


#78
Pyrene
Concen: 5.436 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:202 Resp: 107389

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.5	23.3
203	17.3	14.0	21.0

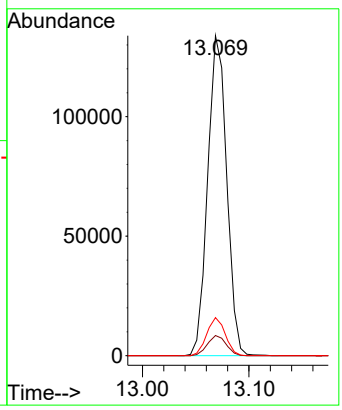




#79
Terphenyl-d14
Concen: 11.424 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:244 Resp: 16638

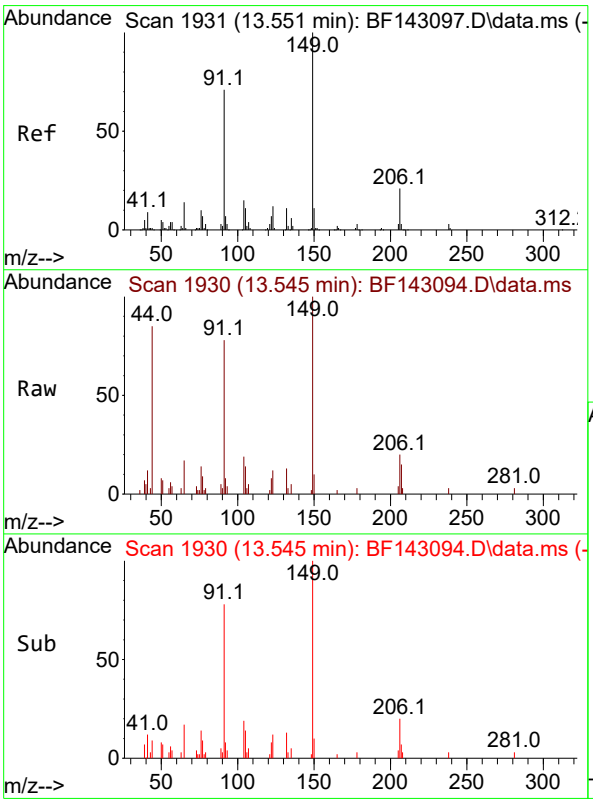
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.9	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

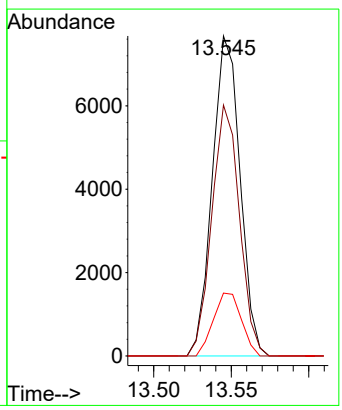
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

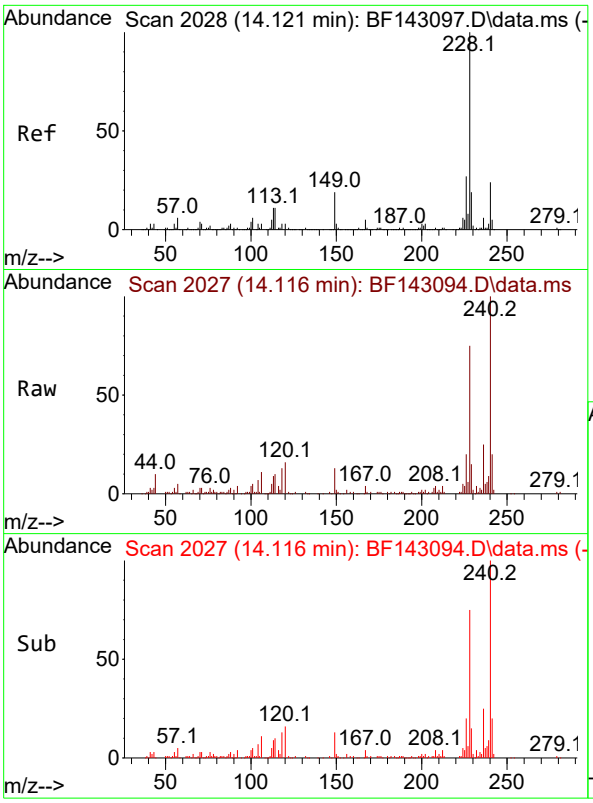


#80
Butylbenzylphthalate
Concen: 5.646 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 9546

Ion	Ratio	Lower	Upper
149	100		
91	78.4	57.0	85.4
206	19.7	17.2	25.8

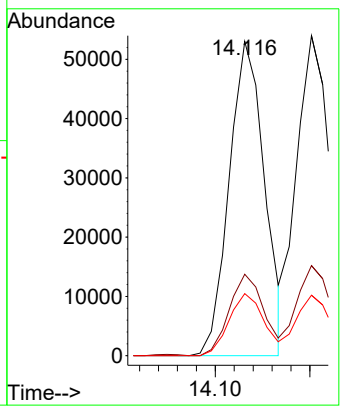




#81
Benzo(a)anthracene
Concen: 4.863 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:228 Resp: 6899

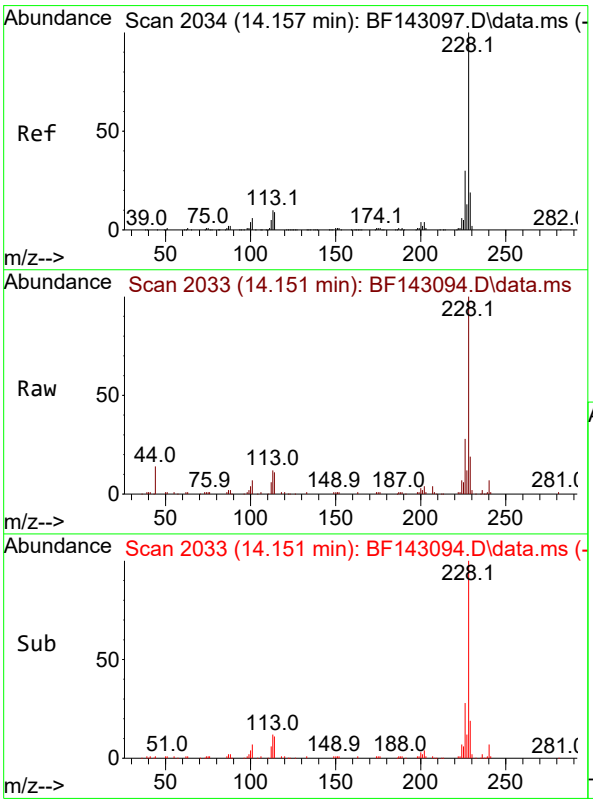
Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.3	31.9
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

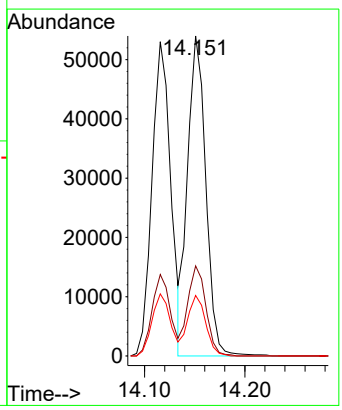
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

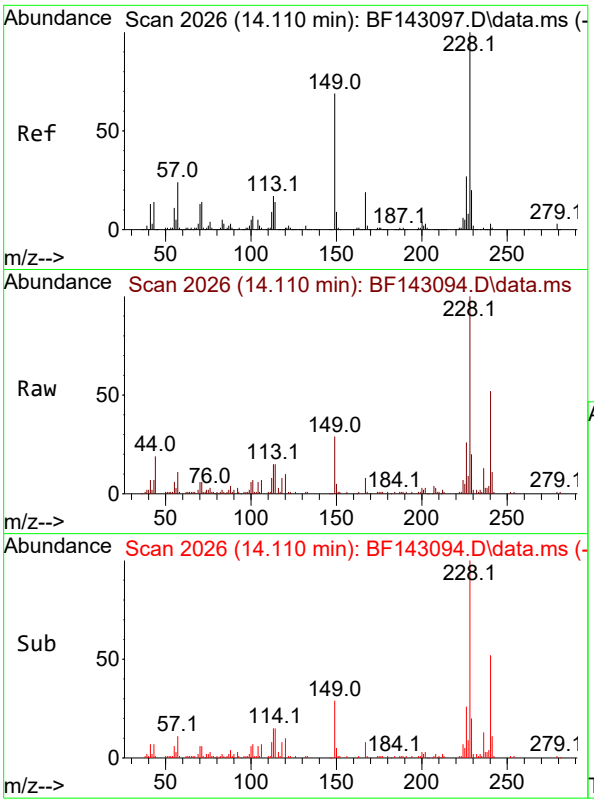


#83
Chrysene
Concen: 5.239 ng
RT: 14.151 min Scan# 2033
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:228 Resp: 68451

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.2
229	18.9	15.3	22.9

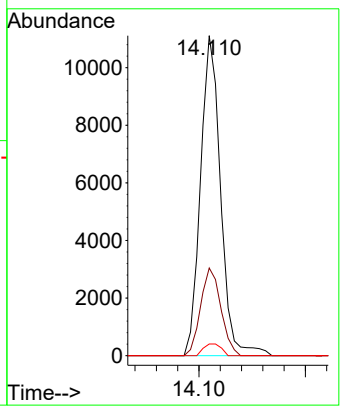




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.667 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 1453

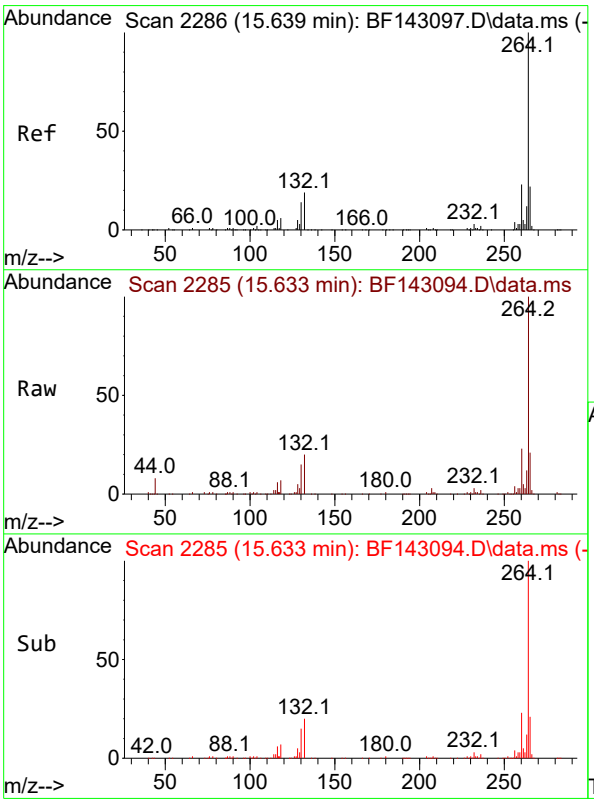
Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	3.6	3.4	5.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

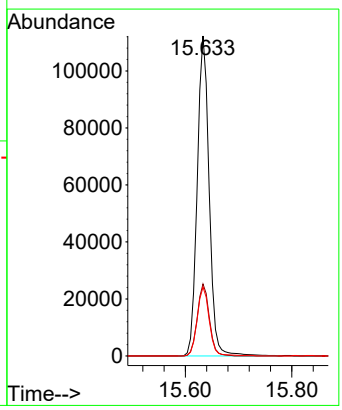
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

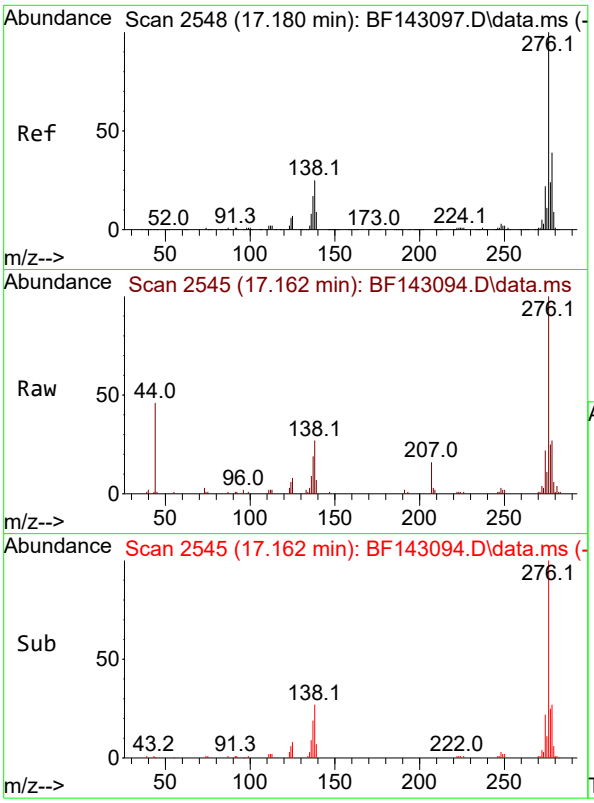


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:264 Resp: 174154

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.5	17.5	26.3

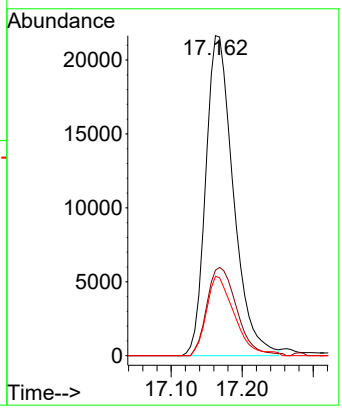




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.521 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:276 Resp: 5856

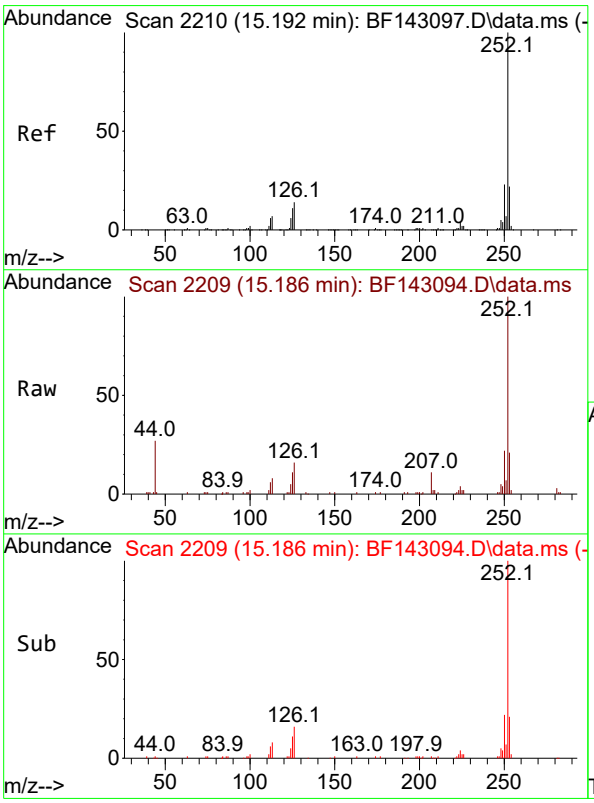
Ion	Ratio	Lower	Upper
276	100		
138	29.8	22.6	34.0
277	25.1	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

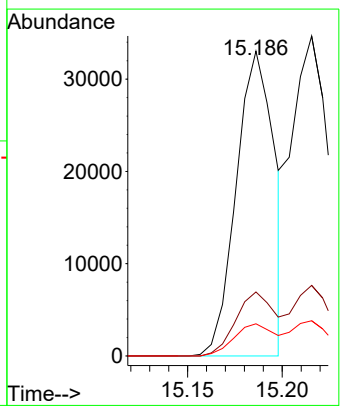
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

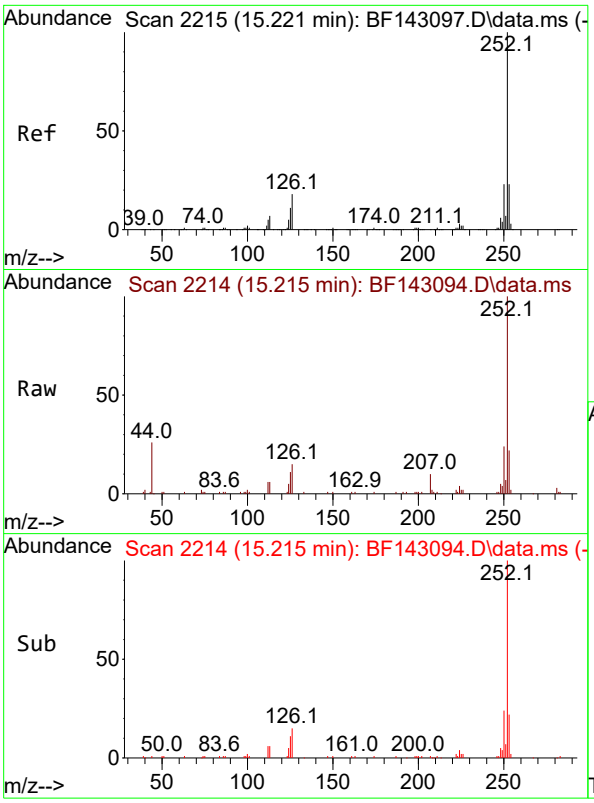


#88
Benzo(b)fluoranthene
Concen: 4.607 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 46276

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	10.6	8.6	13.0

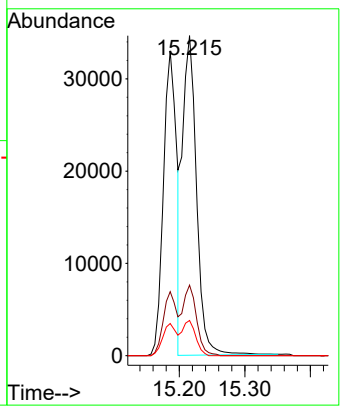




#89
Benzo(k)fluoranthene
Concen: 5.340 ng
RT: 15.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 5117

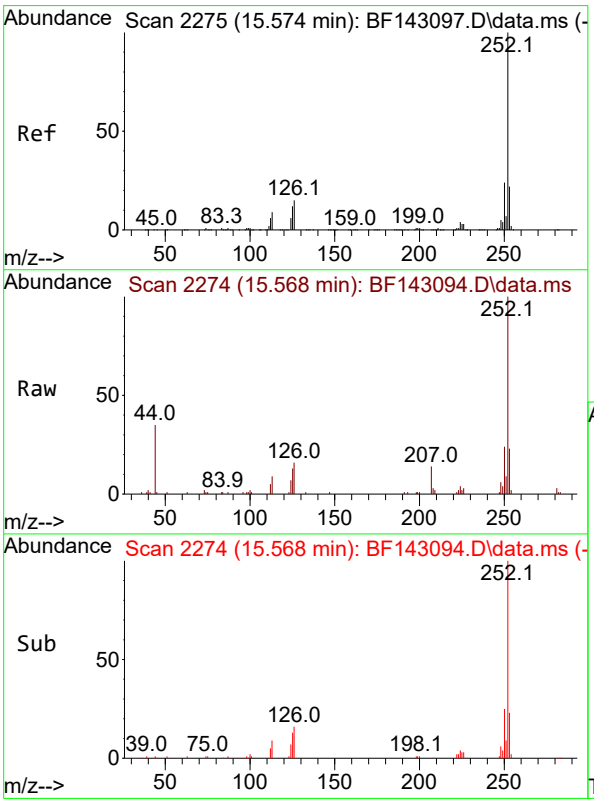
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	11.0	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

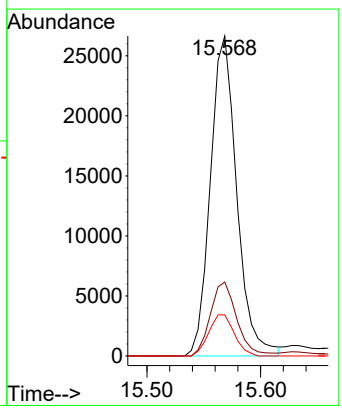
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

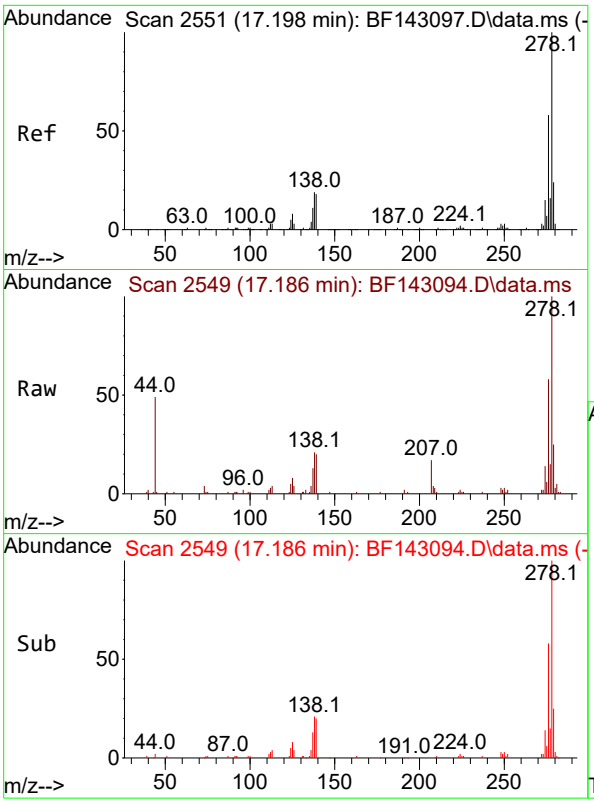


#90
Benzo(a)pyrene
Concen: 4.531 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 43046

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.9	9.4	14.0

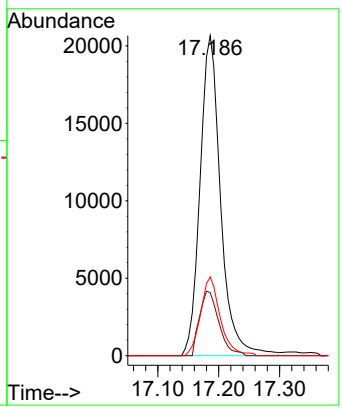




#91
Dibenzo(a,h)anthracene
Concen: 4.581 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:278 Resp: 4850

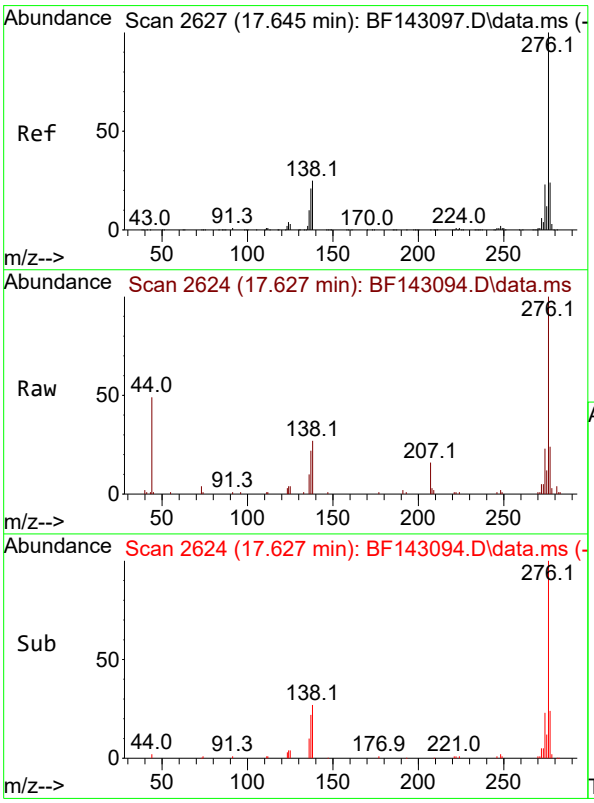
Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.6	22.0
279	24.6	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

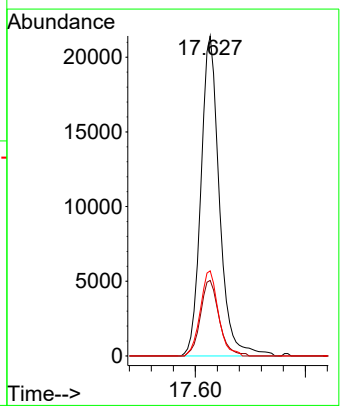
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 4.631 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:276 Resp: 49989

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	26.6	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	129158	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	488635	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	248013	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	412977	20.000	ng		0.00
76) Chrysene-d12	14.127	240	231826	20.000	ng		0.00
86) Perylene-d12	15.633	264	195100	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	164234	20.090	ng		0.00
7) Phenol-d6	6.575	99	208774	20.317	ng		-0.01
23) Nitrobenzene-d5	7.516	82	156007m	17.910	ng		-0.01
42) 2,4,6-Tribromophenol	10.786	330	39055	17.661	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	407861	21.860	ng		0.00
79) Terphenyl-d14	13.069	244	340992	21.502	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	40980	10.070	ng		98
3) Pyridine	3.581	79	99499	9.656	ng		98
4) n-Nitrosodimethylamine	3.504	42	50912	9.536	ng	#	96
6) Aniline	6.622	93	145577	10.060	ng		99
8) 2-Chlorophenol	6.745	128	78009	9.498	ng		98
9) Benzaldehyde	6.510	77	77218	9.862	ng		97
10) Phenol	6.587	94	112508	10.114	ng		98
11) bis(2-Chloroethyl)ether	6.693	93	88047	10.224	ng		99
12) 1,3-Dichlorobenzene	6.910	146	95695	10.313	ng		99
13) 1,4-Dichlorobenzene	6.987	146	95134	10.191	ng		99
14) 1,2-Dichlorobenzene	7.140	146	90960	10.218	ng		100
15) Benzyl Alcohol	7.092	79	72743	9.554	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	163494	10.299	ng		99
17) 2-Methylphenol	7.204	107	69808	9.849	ng		99
18) Hexachloroethane	7.487	117	28400	9.345	ng		98
19) n-Nitroso-di-n-propyla...	7.363	70	63831	10.139	ng		95
20) 3+4-Methylphenols	7.351	107	90318	10.391	ng	#	83
22) Acetophenone	7.363	105	126127	10.708	ng		95
24) Nitrobenzene	7.540	77	77369	9.201	ng		97
25) Isophorone	7.775	82	167986	9.978	ng		99
26) 2-Nitrophenol	7.857	139	18432	8.966	ng		97
27) 2,4-Dimethylphenol	7.887	122	78706	10.072	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	106045	10.387	ng		98
29) 2,4-Dichlorophenol	8.092	162	62164	9.724	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	74581	10.280	ng		98
31) Naphthalene	8.269	128	256031	10.551	ng		99
32) Benzoic acid	7.939	122	19661m	10.880	ng		
33) 4-Chloroaniline	8.310	127	102550	10.510	ng		96
34) Hexachlorobutadiene	8.392	225	42959	9.901	ng		97
35) Caprolactam	8.634	113	17855	8.944	ng		99
36) 4-Chloro-3-methylphenol	8.775	107	70747	9.935	ng		97
37) 2-Methylnaphthalene	8.957	142	152822	10.557	ng		99
38) 1-Methylnaphthalene	9.057	142	161228	10.739	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	74348	10.287	ng		99
41) Hexachlorocyclopentadiene	9.122	237	31472	7.854	ng		100
43) 2,4,6-Trichlorophenol	9.234	196	38748	8.628	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	45455	9.653	ng		98
46) 1,1'-Biphenyl	9.422	154	209259	10.580	ng		99
47) 2-Chloronaphthalene	9.445	162	149175	10.267	ng		99
48) 2-Nitroaniline	9.534	65	27816	9.163	ng		98
49) Acenaphthylene	9.863	152	249435	10.302	ng		100
50) Dimethylphthalate	9.710	163	156072	10.003	ng		100
51) 2,6-Dinitrotoluene	9.769	165	21789	9.451	ng		96
52) Acenaphthene	10.033	154	149318	10.451	ng		100
53) 3-Nitroaniline	9.939	138	28105	8.336	ng		98
54) 2,4-Dinitrophenol	10.039	184	4729	10.239	ng	#	1
55) Dibenzofuran	10.204	168	222555	10.451	ng		98
56) 4-Nitrophenol	10.081	139	20334	7.589	ng		97
57) 2,4-Dinitrotoluene	10.175	165	24420	9.293	ng	#	95
58) Fluorene	10.551	166	171975	10.771	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	33995	9.084	ng		99
60) Diethylphthalate	10.416	149	150934	10.027	ng		100
61) 4-Chlorophenyl-phenyle...	10.545	204	79583	10.400	ng		99
62) 4-Nitroaniline	10.545	138	25757	8.785	ng		96
63) Azobenzene	10.698	77	173437	10.418	ng		98
65) 4,6-Dinitro-2-methylph...	10.581	198	7158	10.290	ng		96
66) n-Nitrosodiphenylamine	10.651	169	146433	10.094	ng		98
67) 4-Bromophenyl-phenylether	11.033	248	45279	9.641	ng		97
68) Hexachlorobenzene	11.104	284	49035	9.840	ng		96
69) Atrazine	11.175	200	35230	9.492	ng		99
70) Pentachlorophenol	11.286	266	20245	7.405	ng		97
71) Phenanthrene	11.510	178	234601	10.526	ng		100
72) Anthracene	11.563	178	232459	10.372	ng		99
73) Carbazole	11.710	167	211853	10.551	ng		99
74) Di-n-butylphthalate	12.051	149	174639	9.475	ng		100
75) Fluoranthene	12.704	202	217346	10.725	ng		99
77) Benzidine	12.816	184	76979	9.747	ng		99
78) Pyrene	12.927	202	226752	10.542	ng		99
80) Butylbenzylphthalate	13.545	149	26977	9.210	ng		94
81) Benzo(a)anthracene	14.116	228	151099	9.781	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	36435	8.122	ng		99
83) Chrysene	14.151	228	142990	10.050	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	39724	9.073	ng		97
85) Di-n-octyl phthalate	14.727	149	54952	10.526	ng		96
87) Indeno(1,2,3-cd)pyrene	17.168	276	137620	9.484	ng		100
88) Benzo(b)fluoranthene	15.186	252	116154	10.321	ng		100
89) Benzo(k)fluoranthene	15.216	252	103994	9.686	ng		98
90) Benzo(a)pyrene	15.568	252	99366	9.336	ng		99
91) Dibenzo(a,h)anthracene	17.186	278	113316	9.553	ng		99
92) Benzo(g,h,i)perylene	17.627	276	115816	9.577	ng		98

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

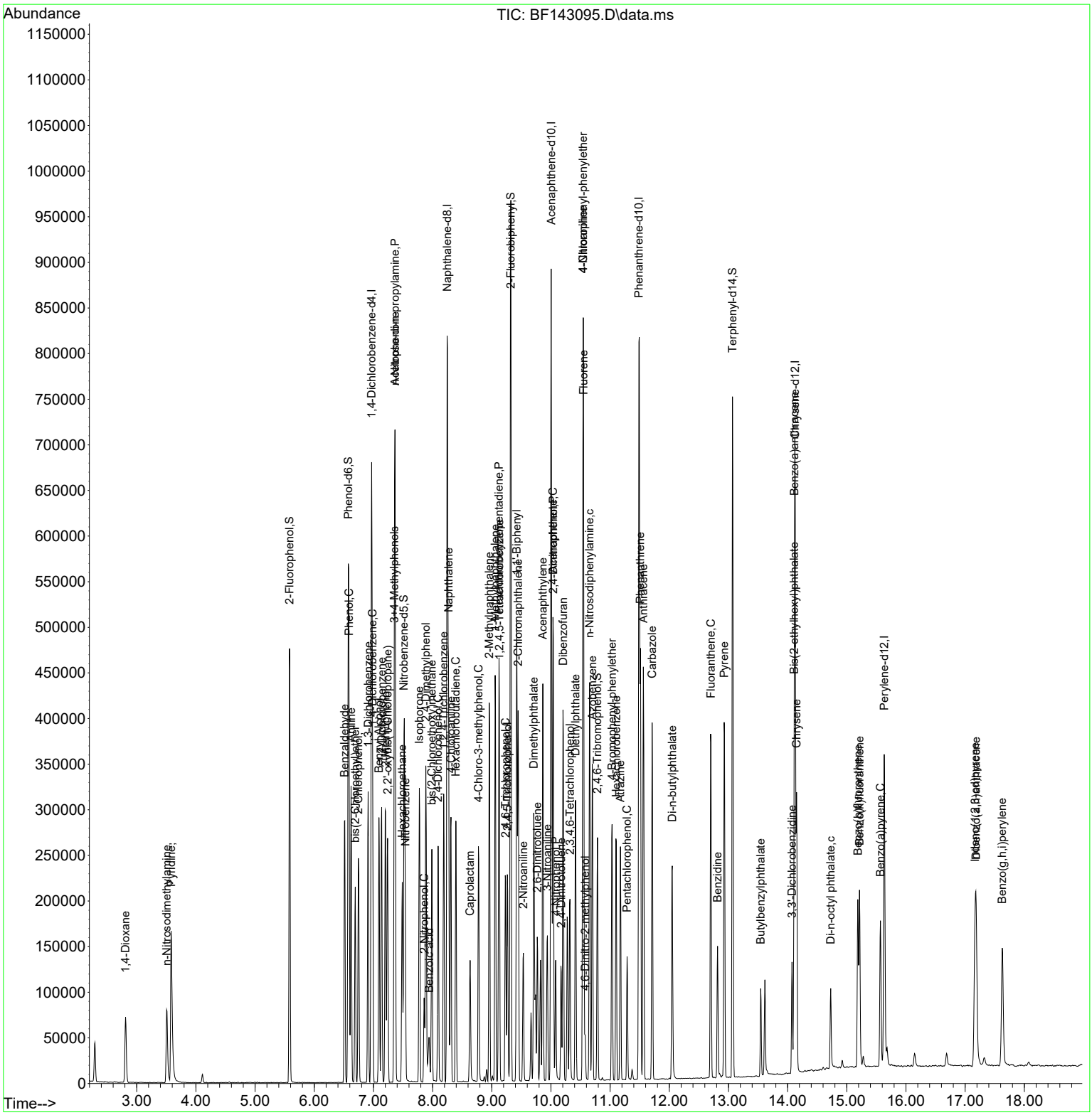
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

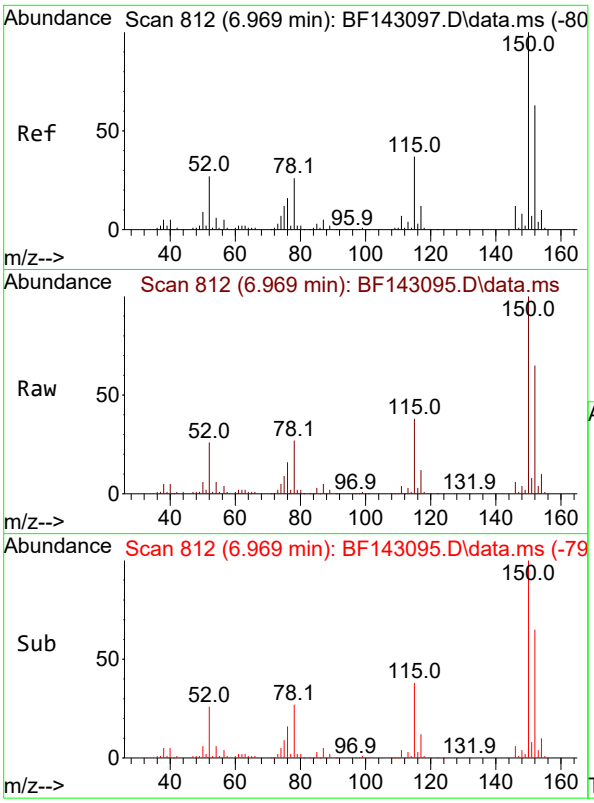
Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

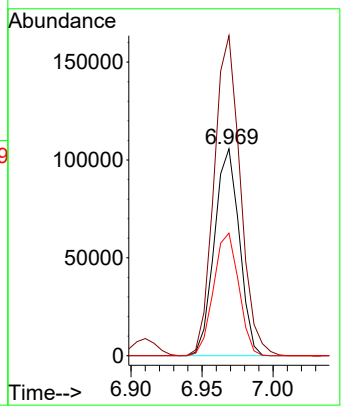




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:152 Resp: 12915

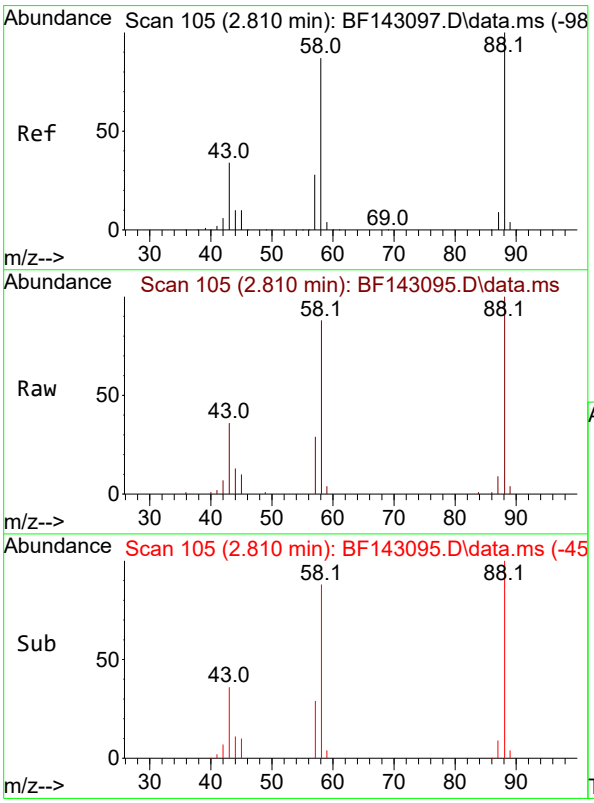
Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.5	189.7
115	59.3	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

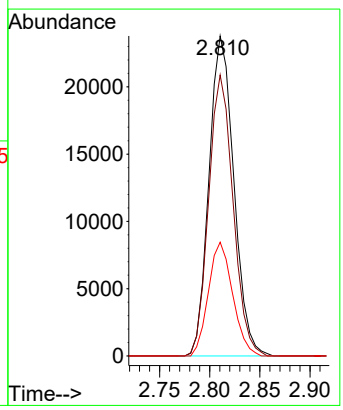
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

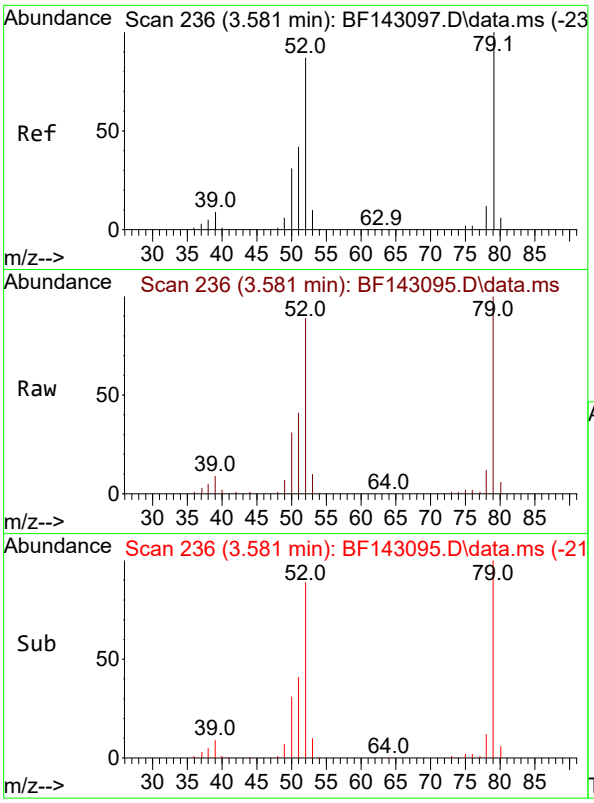


#2
1,4-Dioxane
Concen: 10.070 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 88 Resp: 40980

Ion	Ratio	Lower	Upper
88	100		
58	86.3	70.5	105.7
43	34.8	27.3	40.9

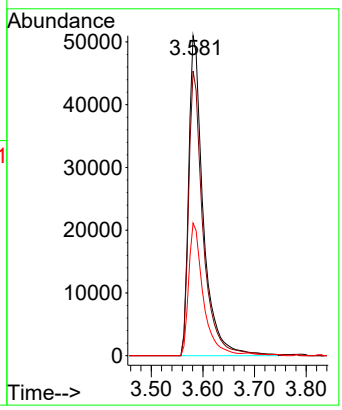




#3
Pyridine
Concen: 9.656 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 79 Resp: 9949

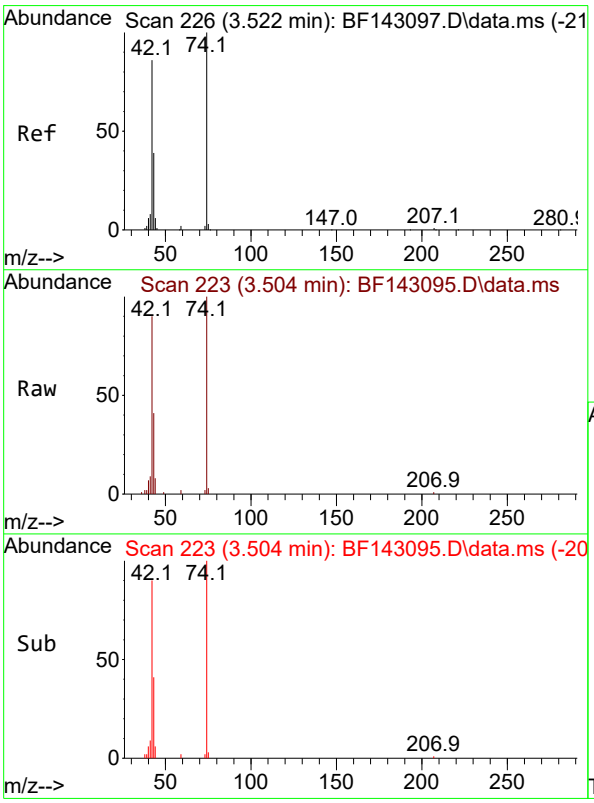
Ion	Ratio	Lower	Upper
79	100		
52	88.9	69.2	103.8
51	41.5	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

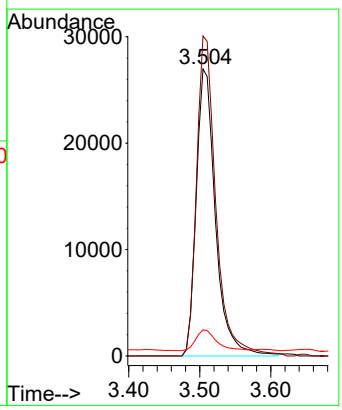
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

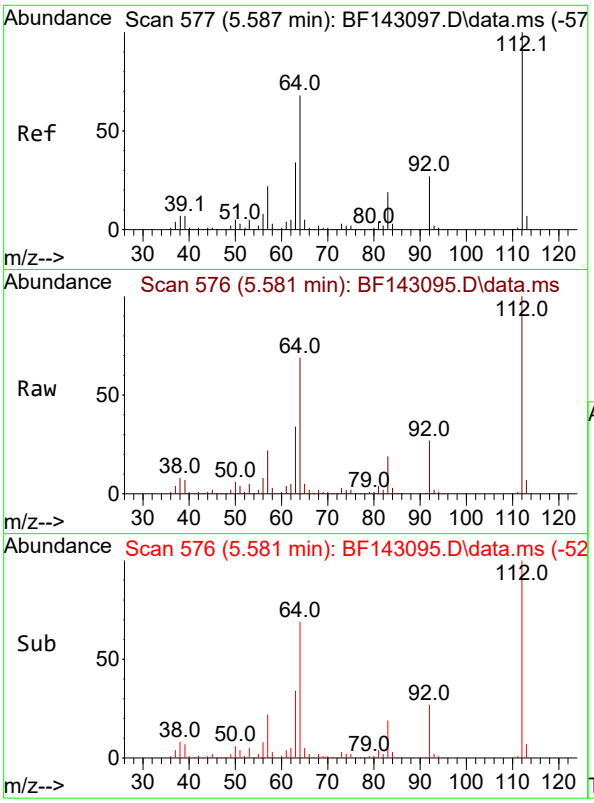


#4
n-Nitrosodimethylamine
Concen: 9.536 ng
RT: 3.504 min Scan# 223
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 42 Resp: 50912

Ion	Ratio	Lower	Upper
42	100		
74	111.6	92.8	139.2
44	9.1	5.8	8.6#

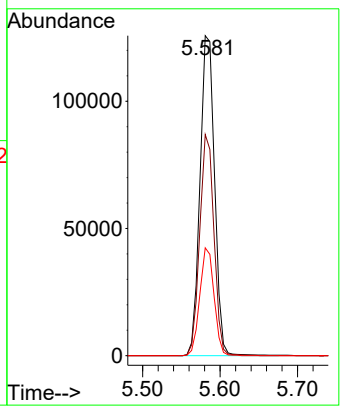




#5
2-Fluorophenol
Concen: 20.090 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:112 Resp: 16423

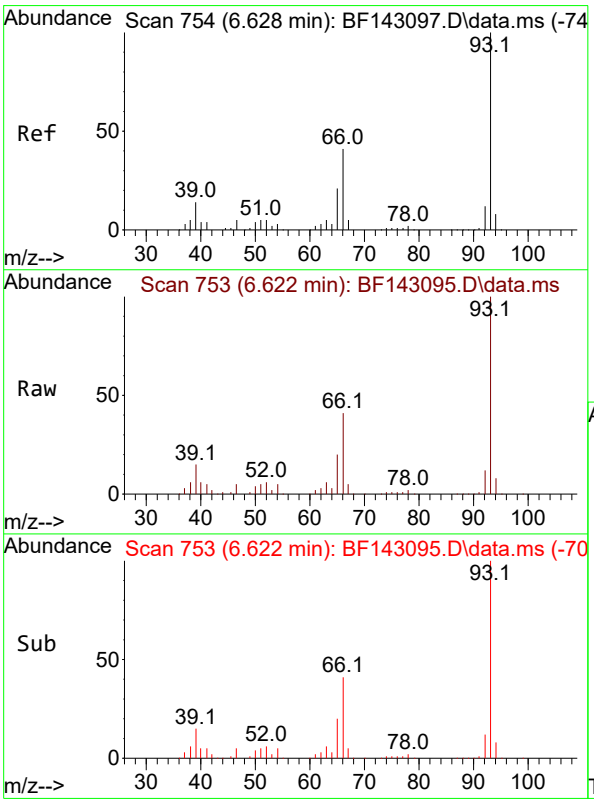
Ion	Ratio	Lower	Upper
112	100		
64	69.1	54.6	82.0
63	33.7	27.3	40.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

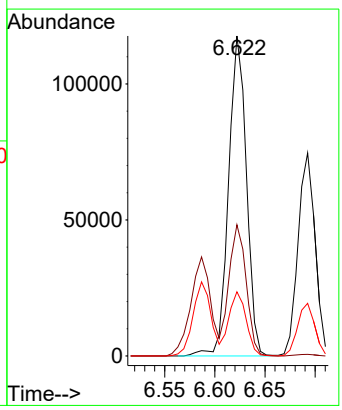
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

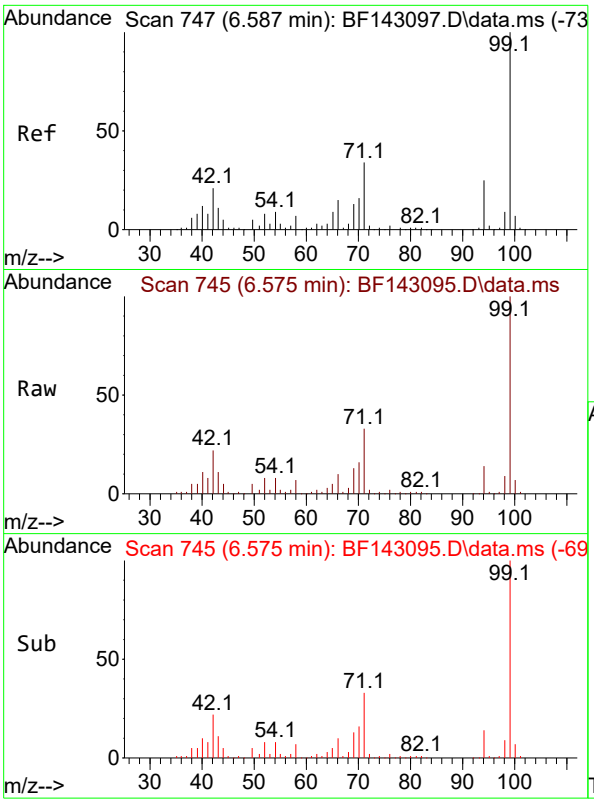


#6
Aniline
Concen: 10.060 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 145577

Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.1	49.7
65	20.1	16.9	25.3

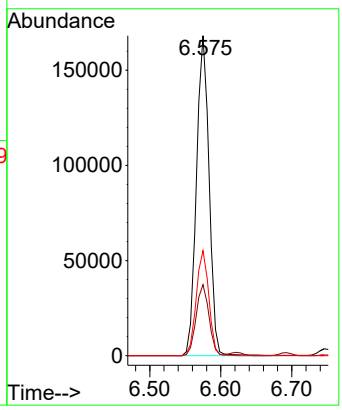




#7
Phenol-d6
Concen: 20.317 ng
RT: 6.575 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 99 Resp: 20877

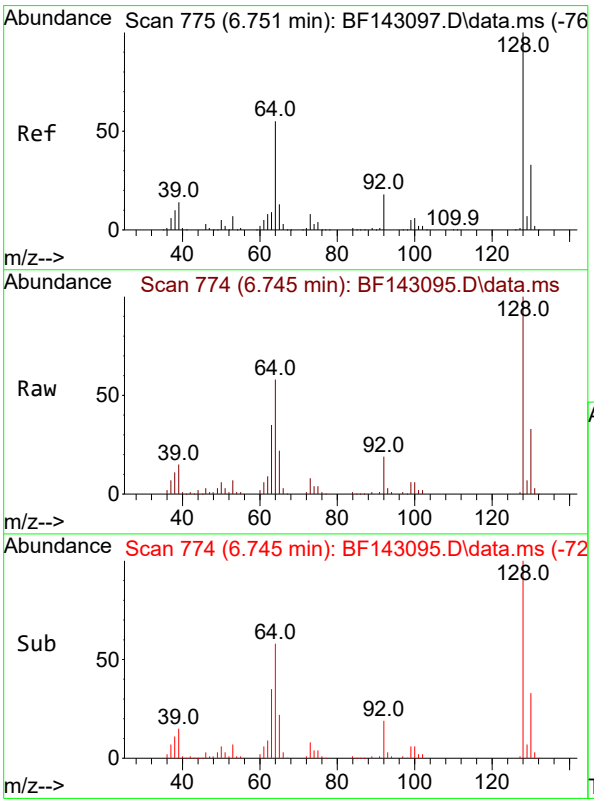
Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.2	25.8
71	32.8	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

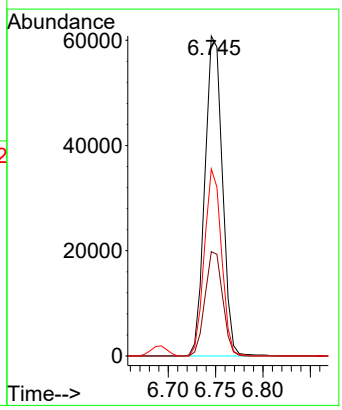
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

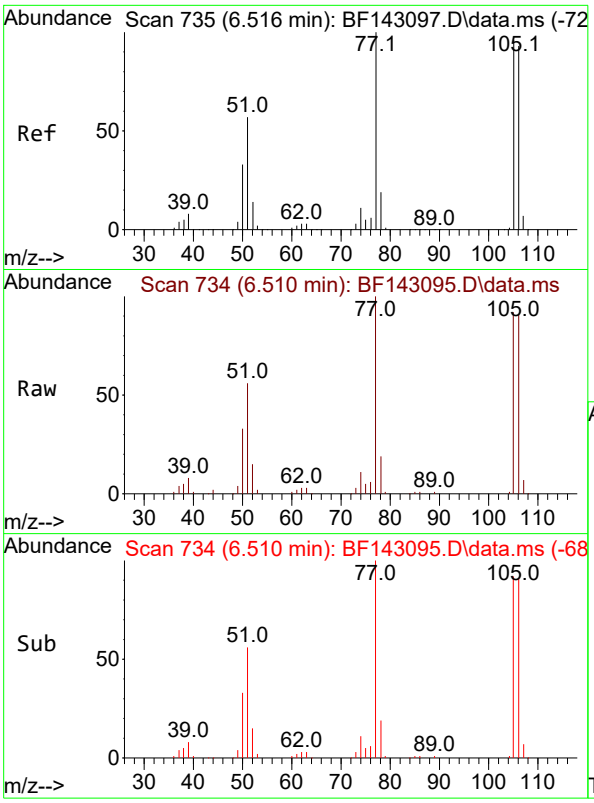


#8
2-Chlorophenol
Concen: 9.498 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:128 Resp: 78009

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	58.5	36.1	76.1

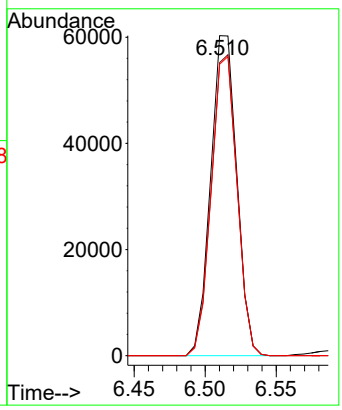




#9
Benzaldehyde
Concen: 9.862 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 77 Resp: 7721

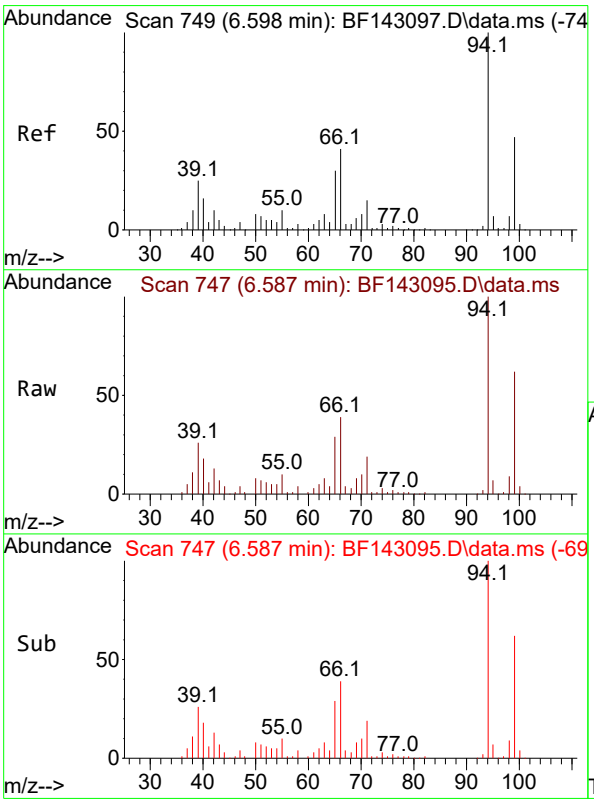
Ion	Ratio	Lower	Upper
77	100		
105	91.6	76.3	116.3
106	91.1	72.8	112.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

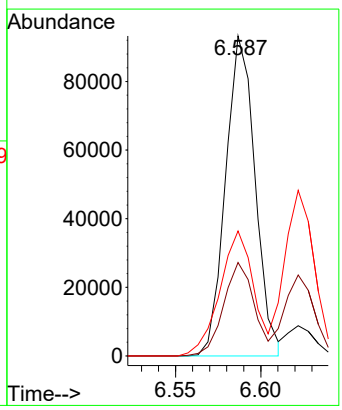
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

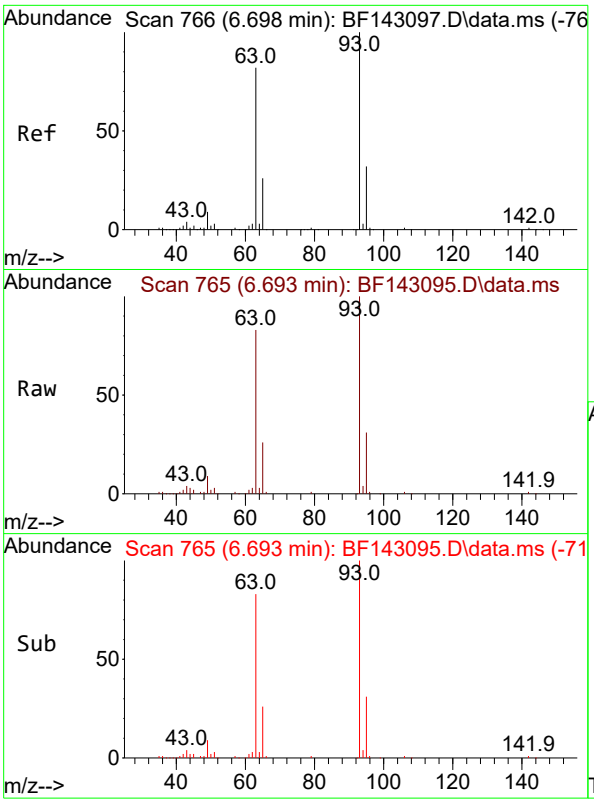


#10
Phenol
Concen: 10.114 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 94 Resp: 112508

Ion	Ratio	Lower	Upper
94	100		
65	29.2	9.8	49.8
66	39.1	20.5	60.5

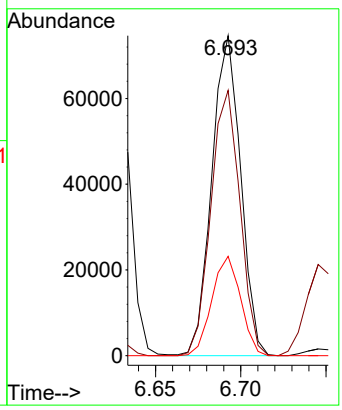




#11
bis(2-Chloroethyl)ether
Concen: 10.224 ng
RT: 6.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 8804

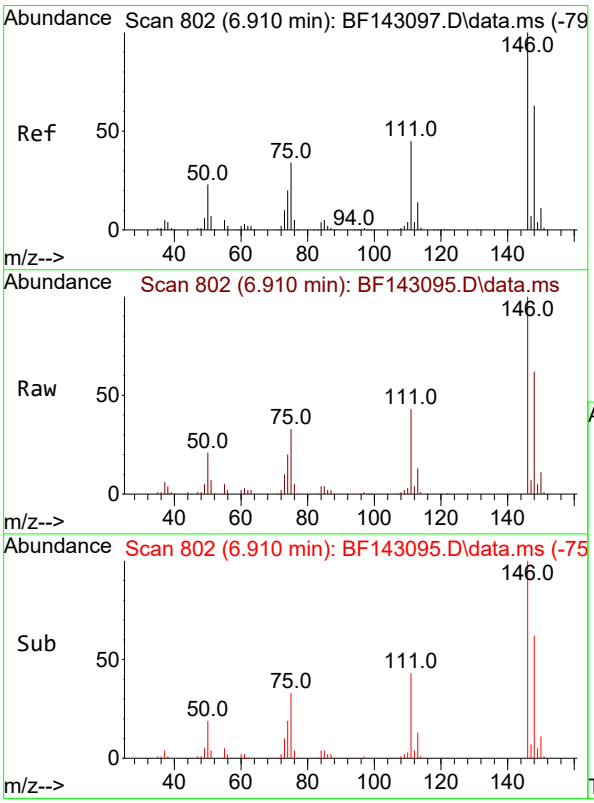
Ion	Ratio	Lower	Upper
93	100		
63	82.9	61.9	101.9
95	31.1	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

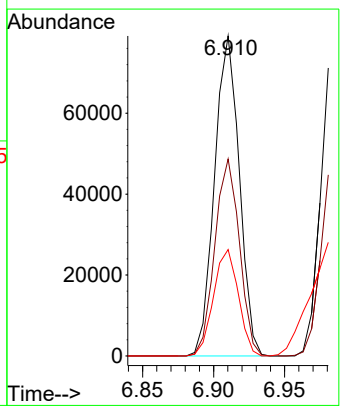
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

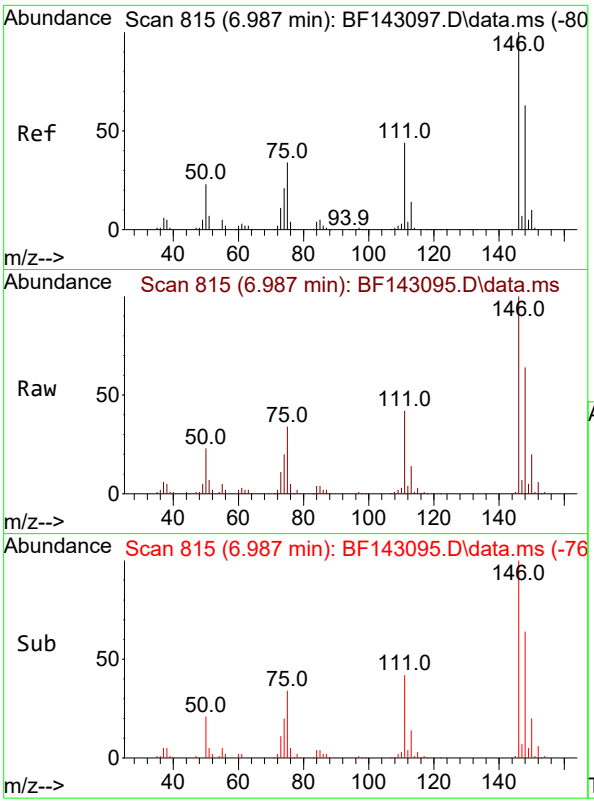


#12
1,3-Dichlorobenzene
Concen: 10.313 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 95695

Ion	Ratio	Lower	Upper
146	100		
148	61.6	50.1	75.1
75	33.3	27.4	41.0

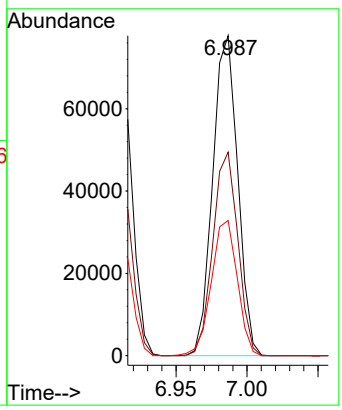




#13
1,4-Dichlorobenzene
Concen: 10.191 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 9513

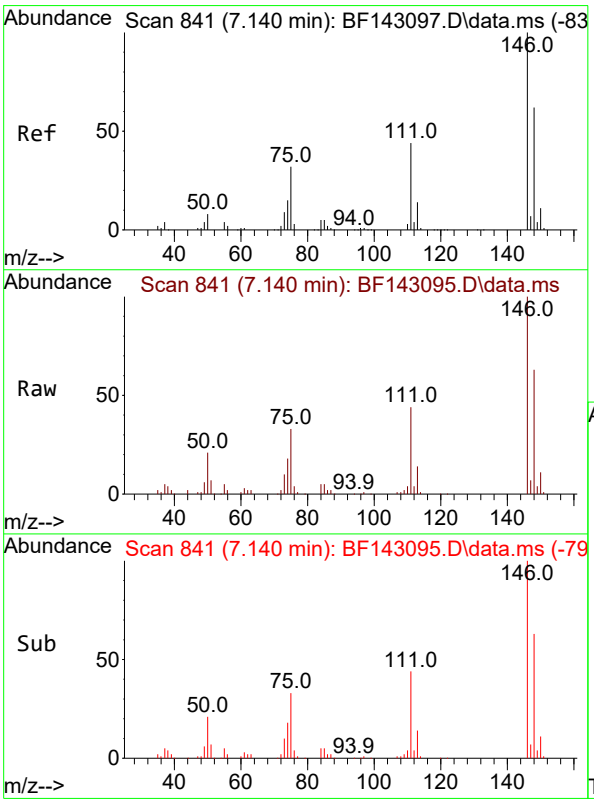
Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
111	42.2	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

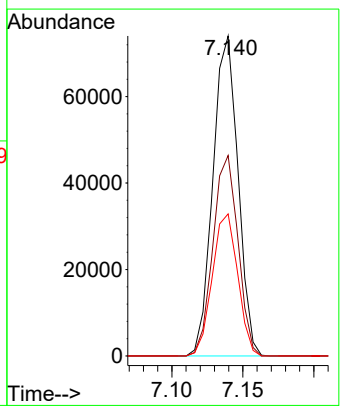
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

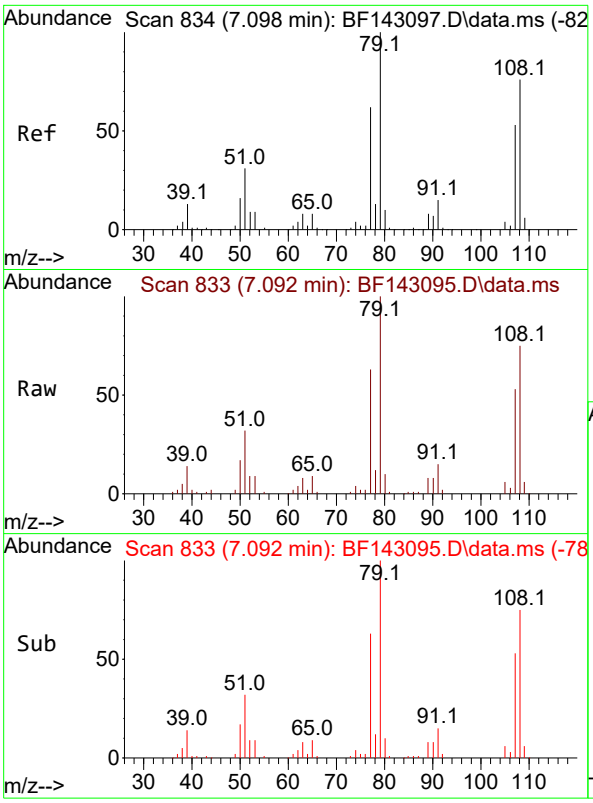


#14
1,2-Dichlorobenzene
Concen: 10.218 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 90960

Ion	Ratio	Lower	Upper
146	100		
148	62.6	49.8	74.6
111	44.4	35.4	53.0

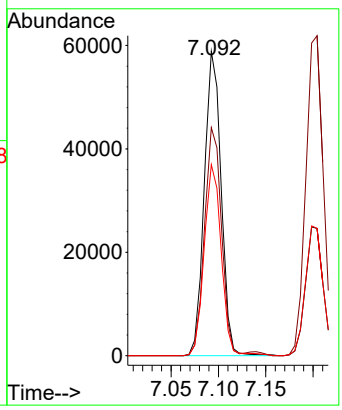




#15
Benzyl Alcohol
Concen: 9.554 ng
RT: 7.092 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 79 Resp: 7274

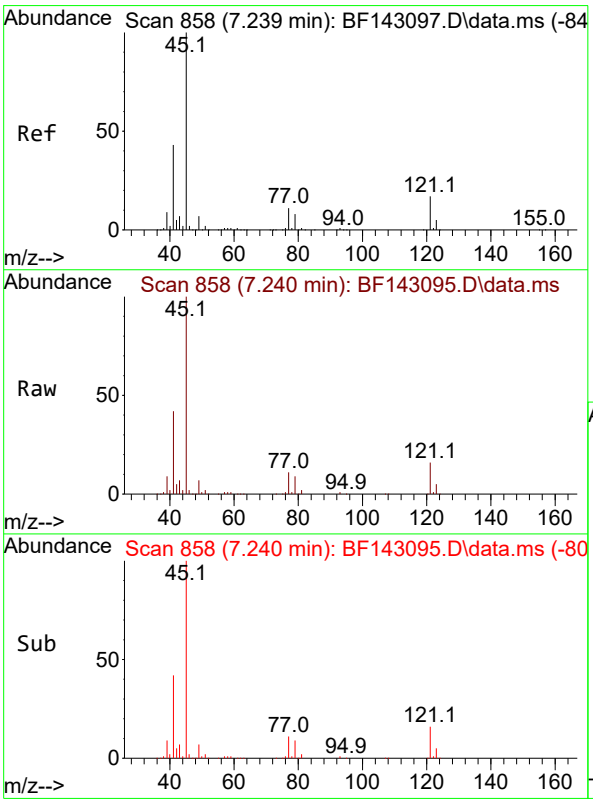
Ion	Ratio	Lower	Upper
79	100		
108	74.9	61.1	91.7
77	62.8	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

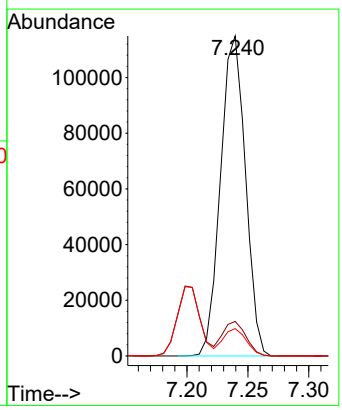
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

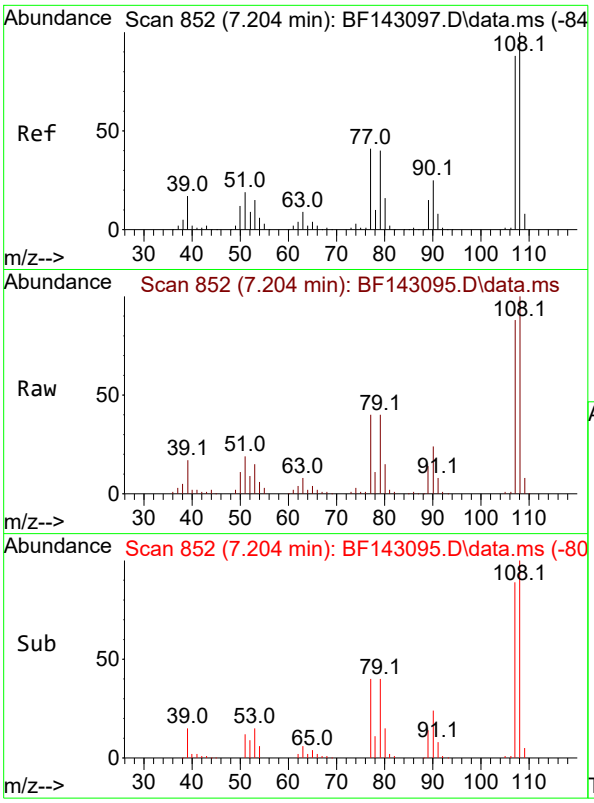


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.299 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 45 Resp: 163494

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.1
79	8.6	0.0	28.4

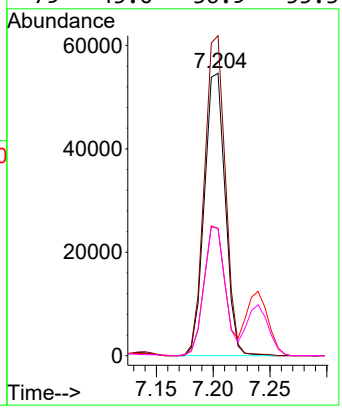




#17
2-Methylphenol
Concen: 9.849 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 6980

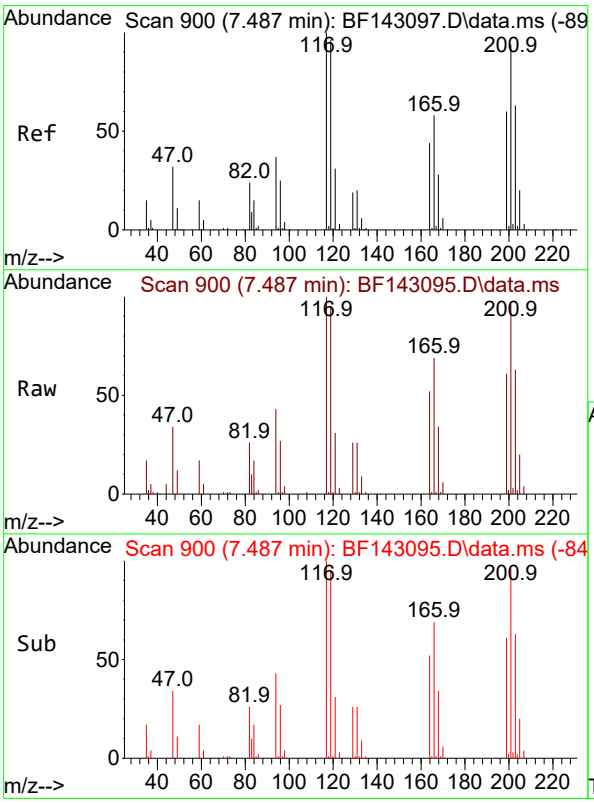
Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.9	136.3
77	45.1	37.5	56.3
79	45.0	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

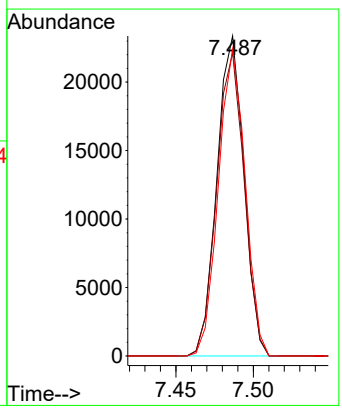
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

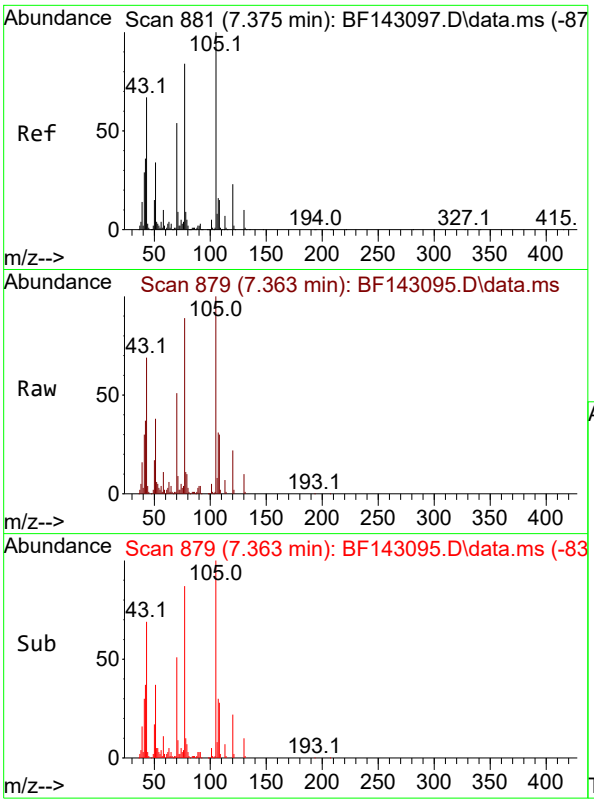


#18
Hexachloroethane
Concen: 9.345 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:117 Resp: 28400

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.7	115.1
201	95.9	75.0	112.4

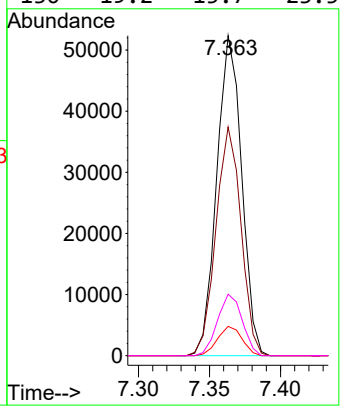




#19
n-Nitroso-di-n-propylamine
Concen: 10.139 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

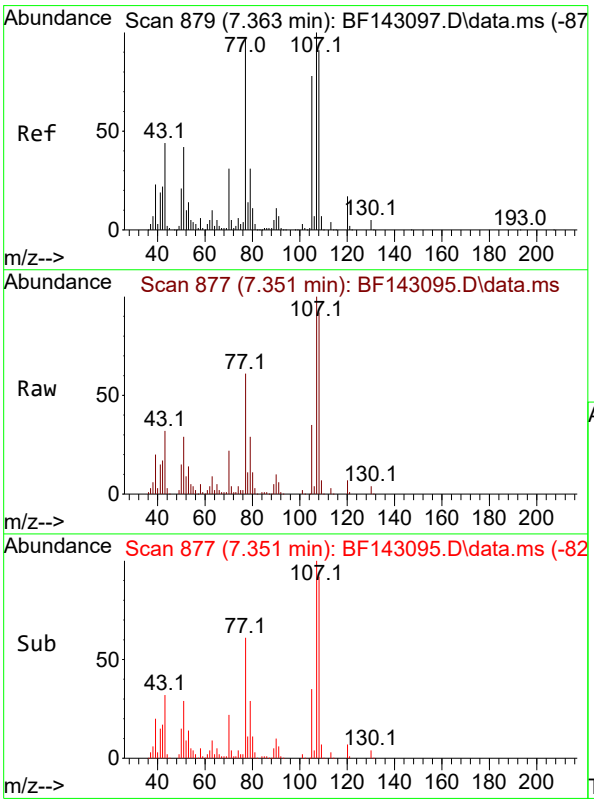
Tgt Ion: 70 Resp: 6383

Ion	Ratio	Lower	Upper
70	100		
42	71.4	53.2	79.8
101	9.2	7.5	11.3
130	19.2	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

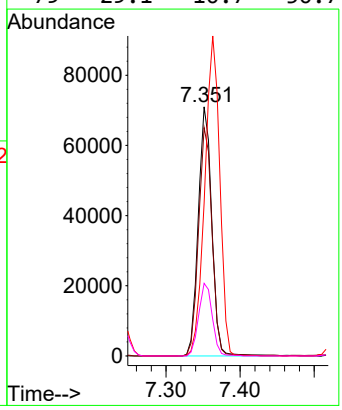
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

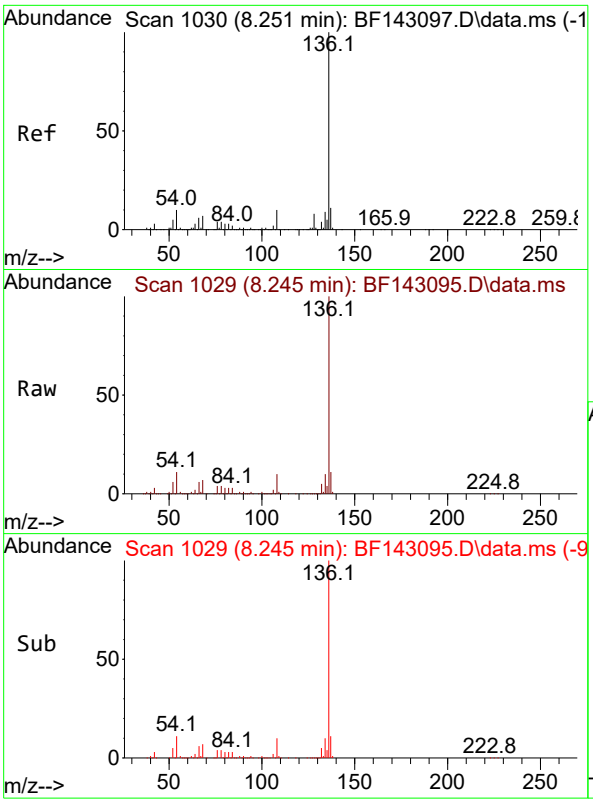


#20
3+4-Methylphenols
Concen: 10.391 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 90318

Ion	Ratio	Lower	Upper
107	100		
108	91.6	71.3	111.3
77	61.4	77.2	117.2#
79	29.1	10.7	50.7

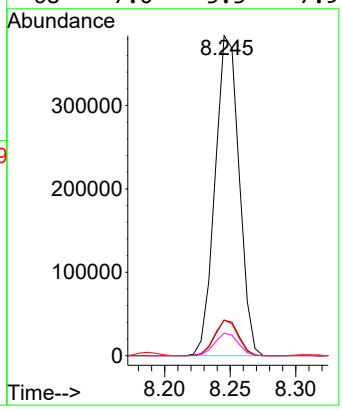




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:136 Resp: 48863

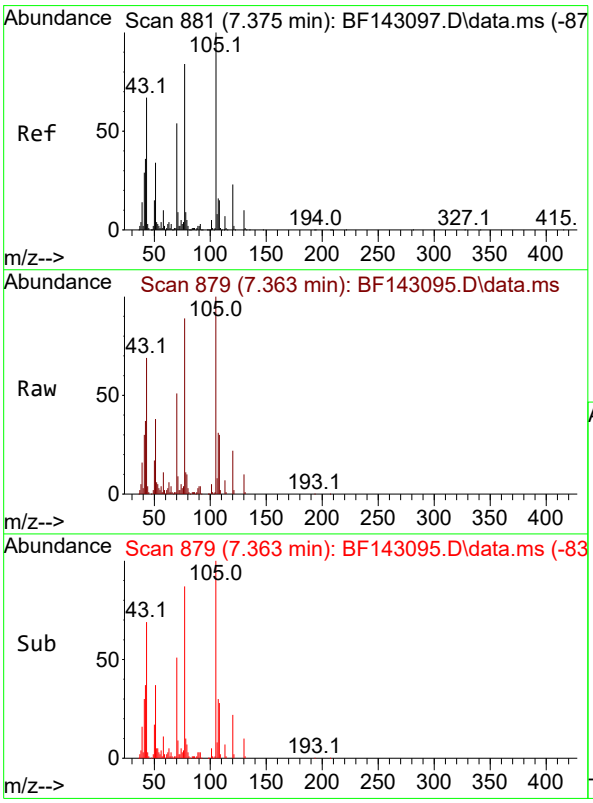
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	11.2	8.3	12.5
68	7.0	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

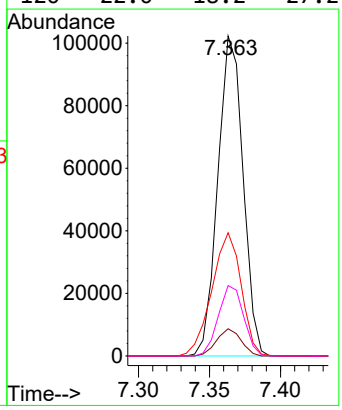
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

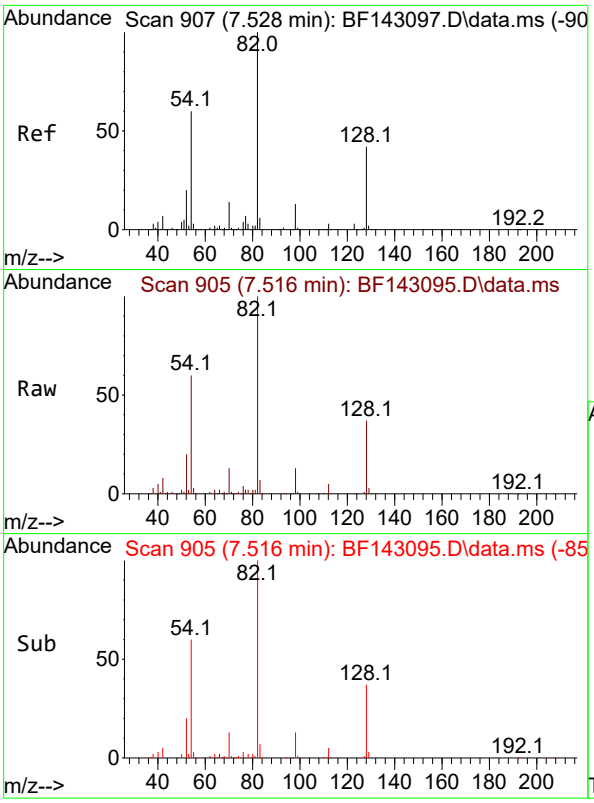


#22
Acetophenone
Concen: 10.708 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:105 Resp: 126127

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.2	10.8
51	38.5	27.0	40.4
120	22.0	18.2	27.2

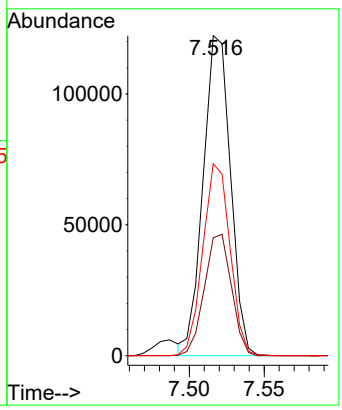




#23
Nitrobenzene-d5
Concen: 17.910 ng m
RT: 7.516 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 82 Resp: 15600

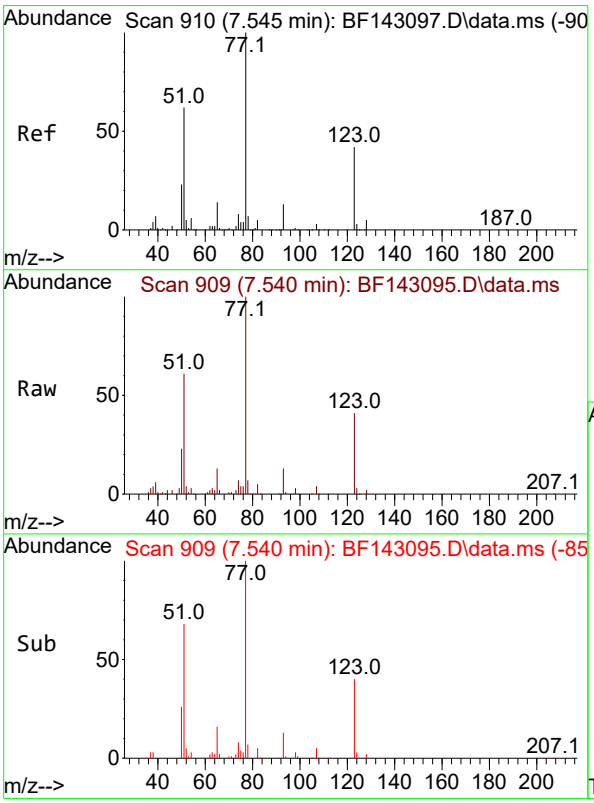
Ion	Ratio	Lower	Upper
82	100		
128	36.8	33.3	49.9
54	60.0	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

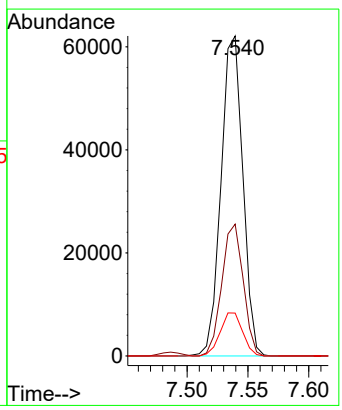
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

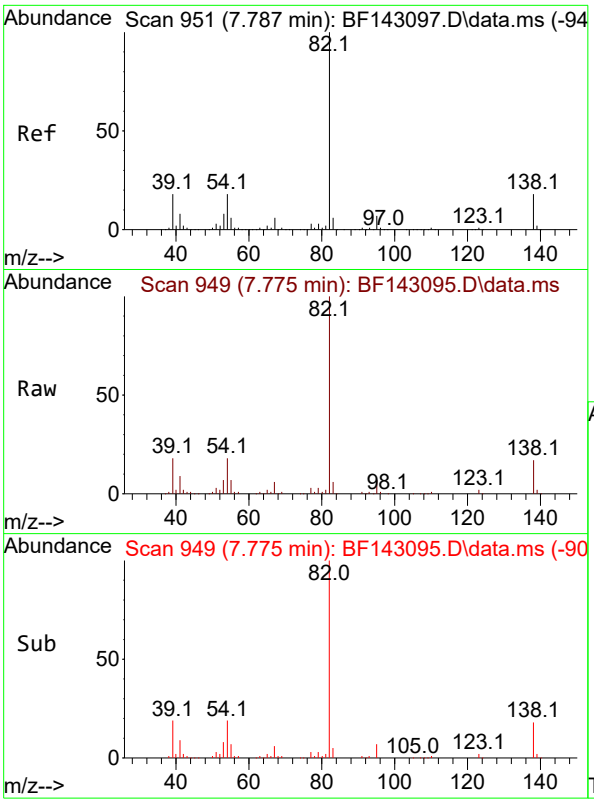


#24
Nitrobenzene
Concen: 9.201 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 77 Resp: 77369

Ion	Ratio	Lower	Upper
77	100		
123	41.2	34.5	51.7
65	13.4	11.3	16.9

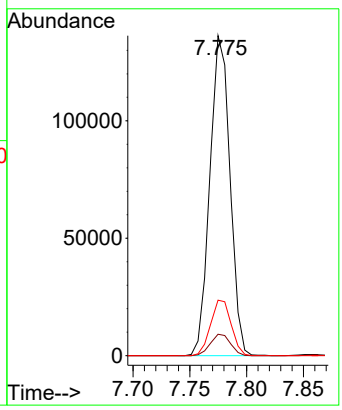




#25
Isophorone
Concen: 9.978 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 82 Resp: 16798

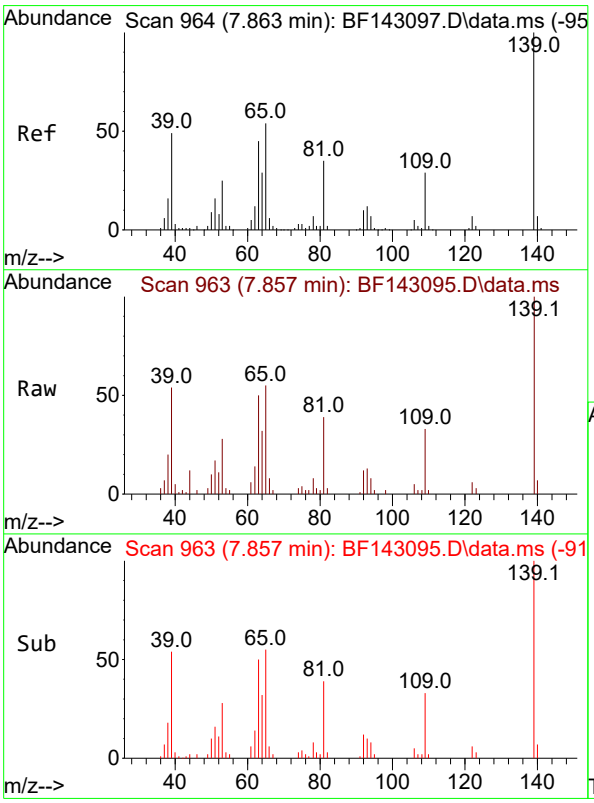
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	17.4	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

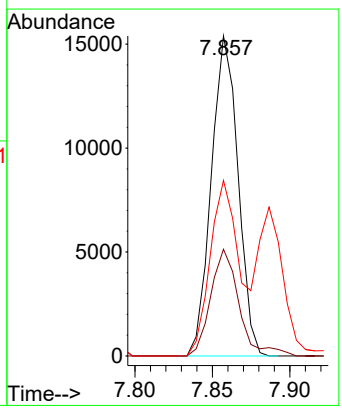
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

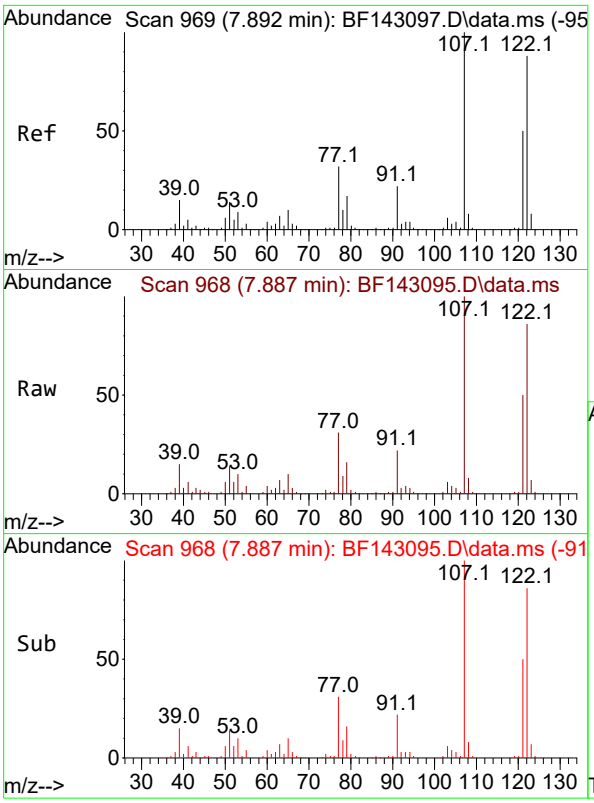


#26
2-Nitrophenol
Concen: 8.966 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 18432

Ion	Ratio	Lower	Upper
139	100		
109	33.4	23.4	35.0
65	54.8	43.4	65.2

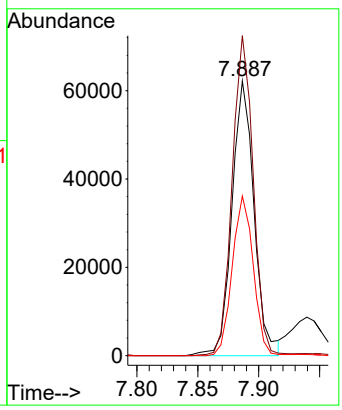




#27
2,4-Dimethylphenol
Concen: 10.072 ng
RT: 7.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:122 Resp: 7870

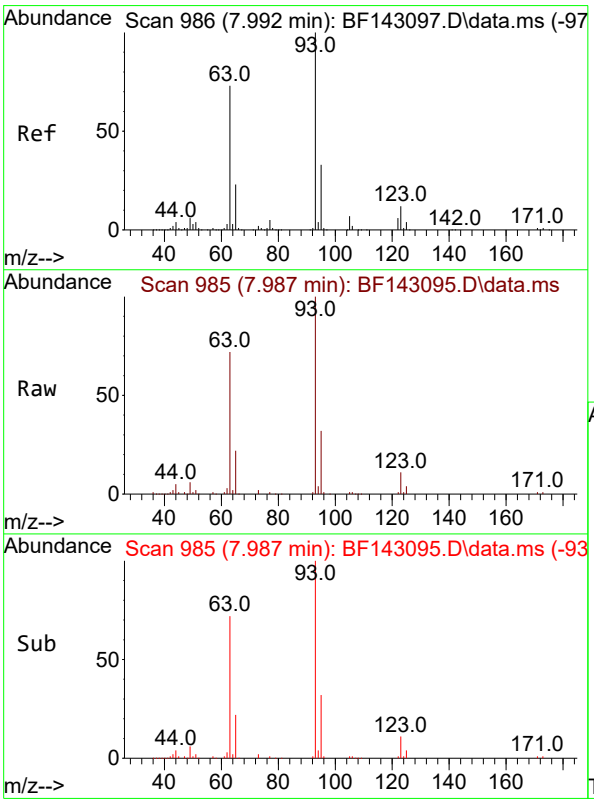
Ion	Ratio	Lower	Upper
122	100		
107	116.5	91.3	136.9
121	58.1	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

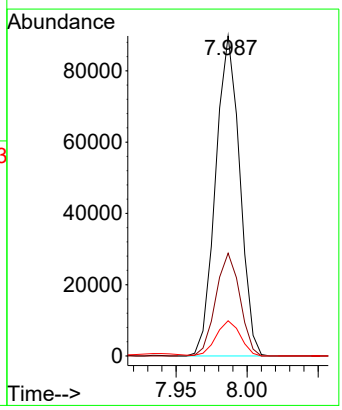
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

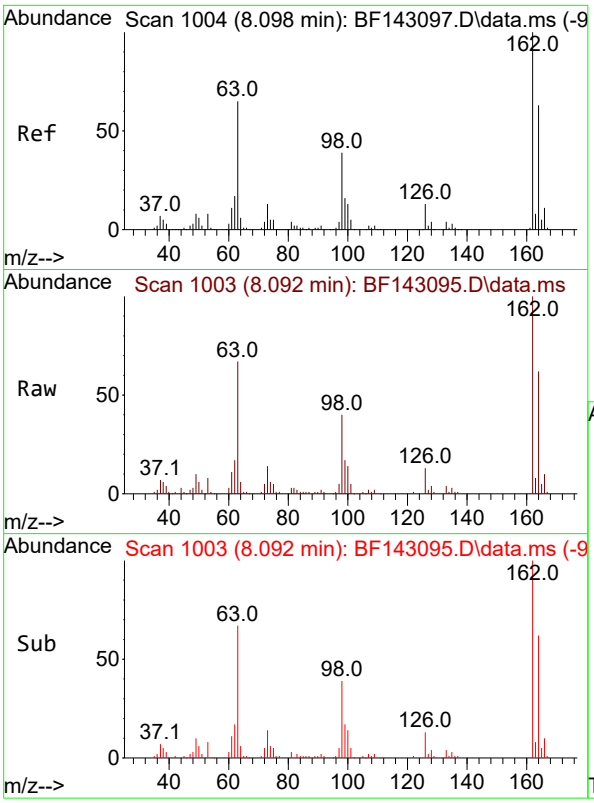


#28
bis(2-Chloroethoxy)methane
Concen: 10.387 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 106045

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.4
123	11.0	9.6	14.4

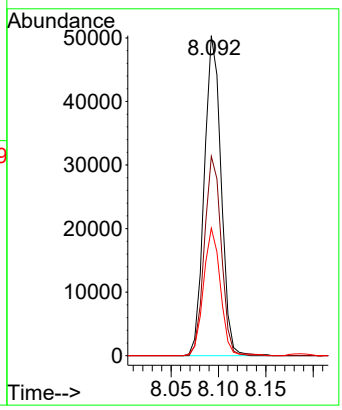




#29
2,4-Dichlorophenol
Concen: 9.724 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:162 Resp: 6216

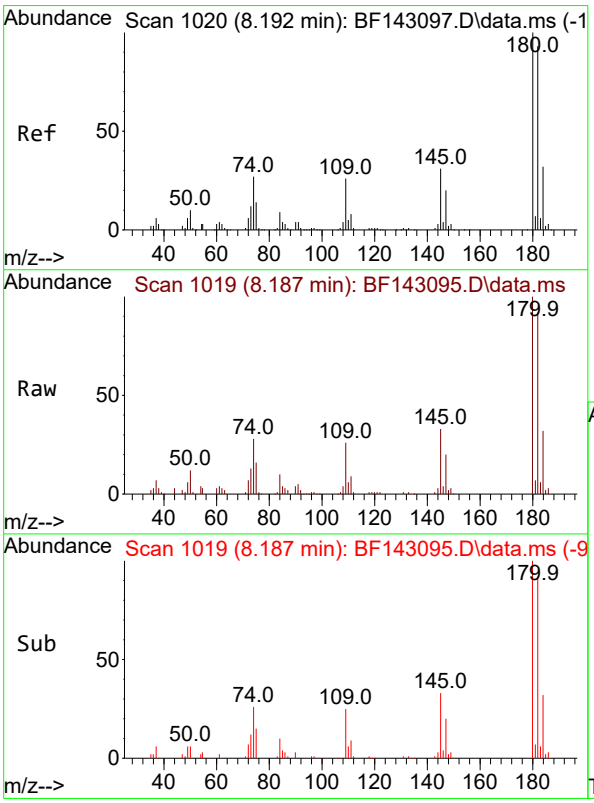
Ion	Ratio	Lower	Upper
162	100		
164	62.3	43.1	83.1
98	39.8	19.2	59.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

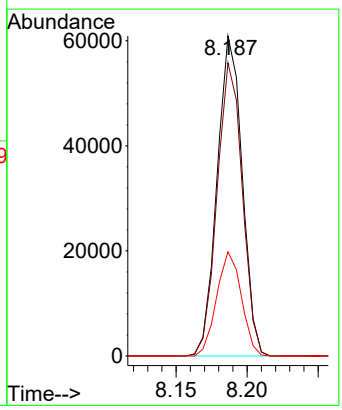
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

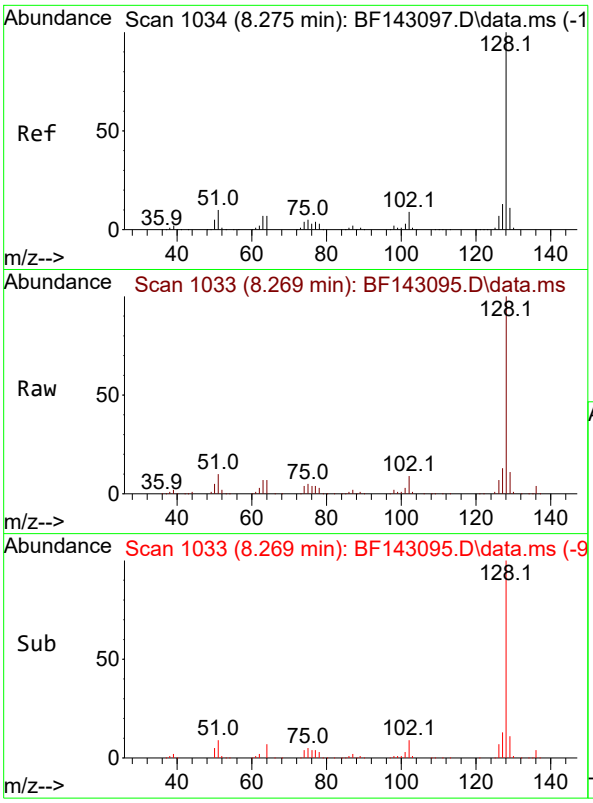


#30
1,2,4-Trichlorobenzene
Concen: 10.280 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:180 Resp: 74581

Ion	Ratio	Lower	Upper
180	100		
182	91.6	74.7	112.1
145	32.5	24.5	36.7

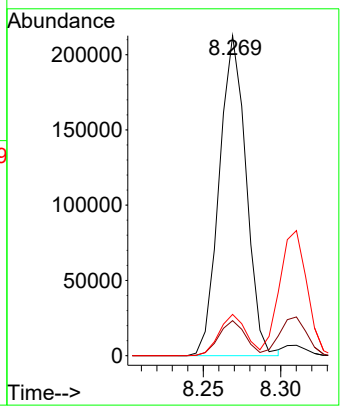




#31
Naphthalene
Concen: 10.551 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:128 Resp: 25603

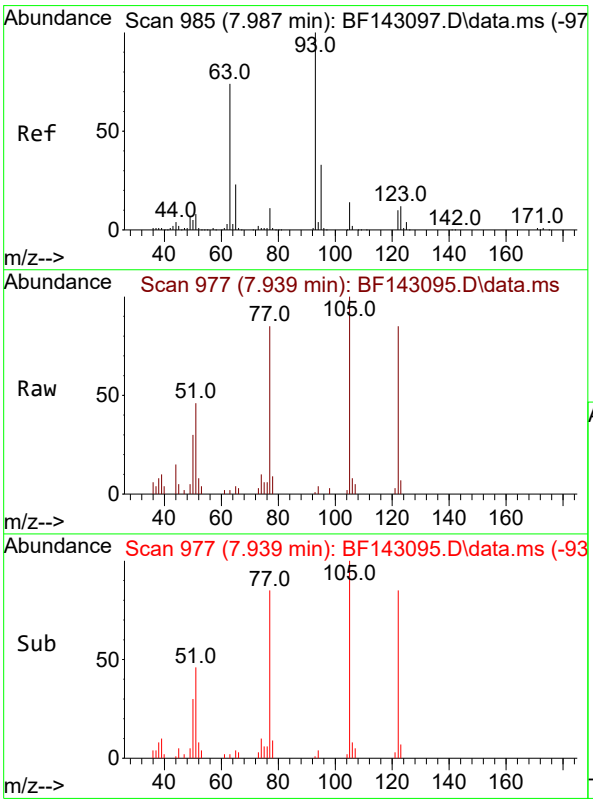
Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	12.9	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

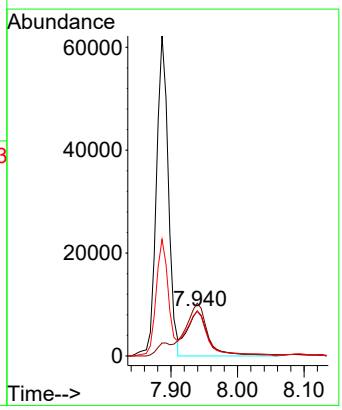
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

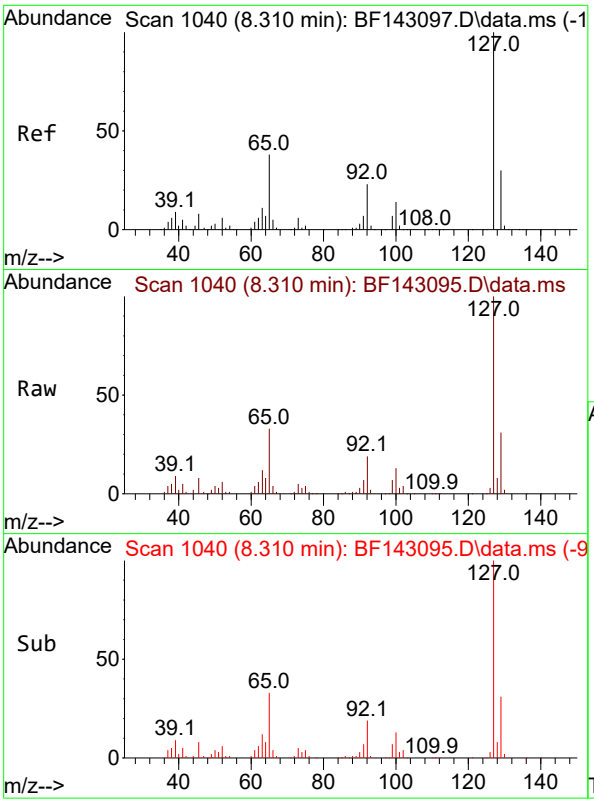


#32
Benzoic acid
Concen: 10.880 ng m
RT: 7.939 min Scan# 977
Delta R.T. -0.048 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:122 Resp: 19661

Ion	Ratio	Lower	Upper
122	100		
105	117.5	105.4	145.4
77	99.5	78.6	118.6

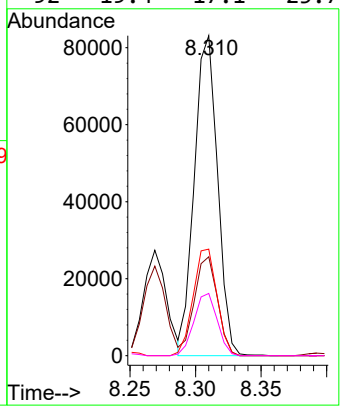




#33
4-Chloroaniline
Concen: 10.510 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:127 Resp: 10255

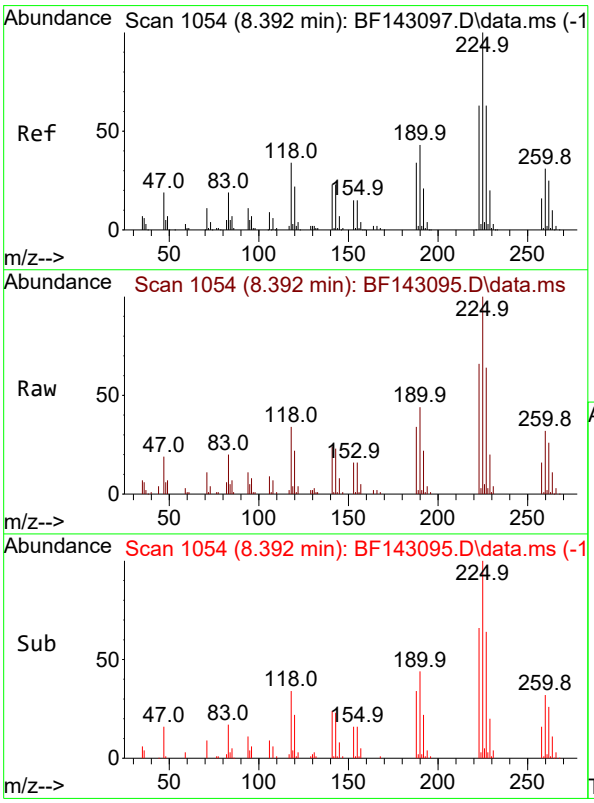
Ion	Ratio	Lower	Upper
127	100		
129	30.9	26.2	39.4
65	33.3	28.6	42.8
92	19.4	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

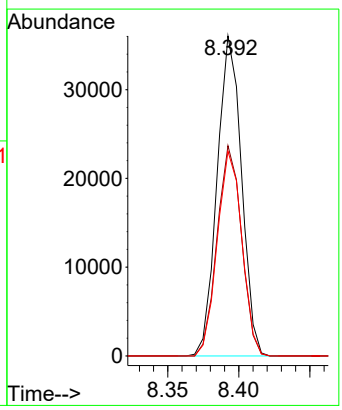
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

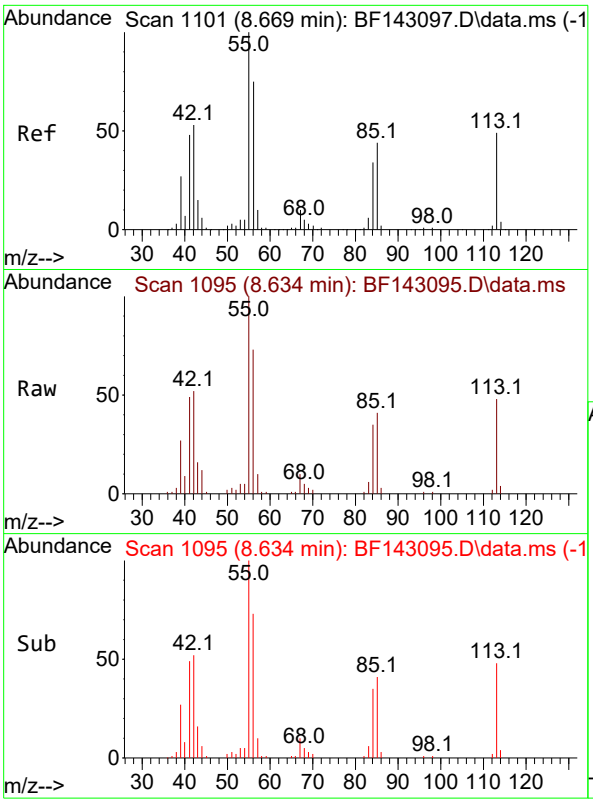


#34
Hexachlorobutadiene
Concen: 9.901 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:225 Resp: 42959

Ion	Ratio	Lower	Upper
225	100		
223	65.7	50.3	75.5
227	63.9	50.1	75.1





#35
Caprolactam
Concen: 8.944 ng
RT: 8.634 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

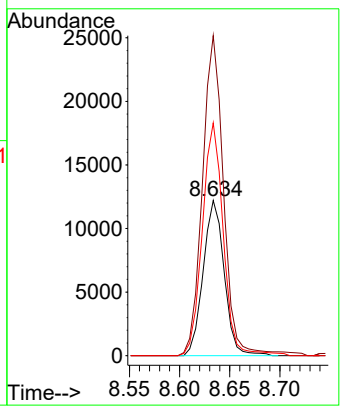
Tgt Ion:113 Resp: 1785

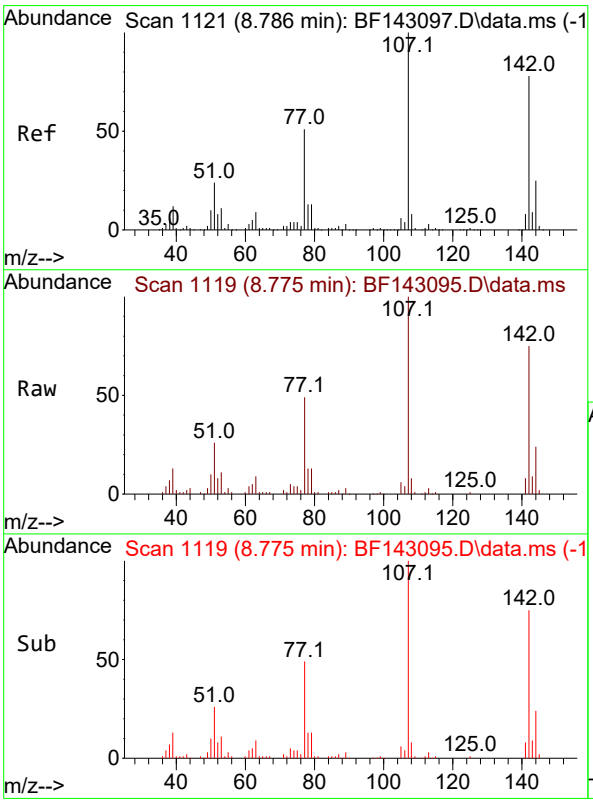
Ion	Ratio	Lower	Upper
113	100		
55	206.2	186.2	226.2
56	150.0	134.1	174.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

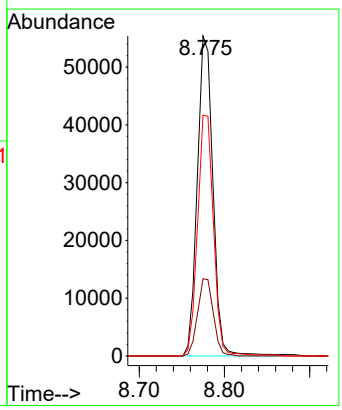


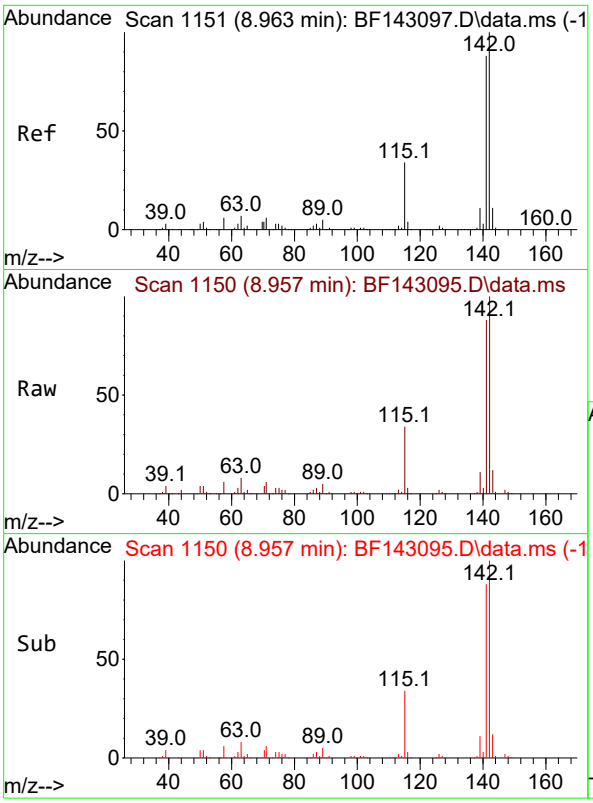


#36
4-Chloro-3-methylphenol
Concen: 9.935 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 70747

Ion	Ratio	Lower	Upper
107	100		
144	24.1	20.2	30.2
142	75.2	62.4	93.6

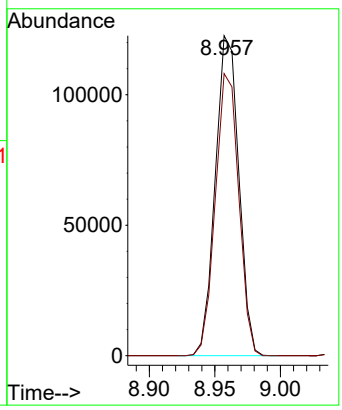




#37
2-Methylnaphthalene
Concen: 10.557 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:142 Resp: 15282

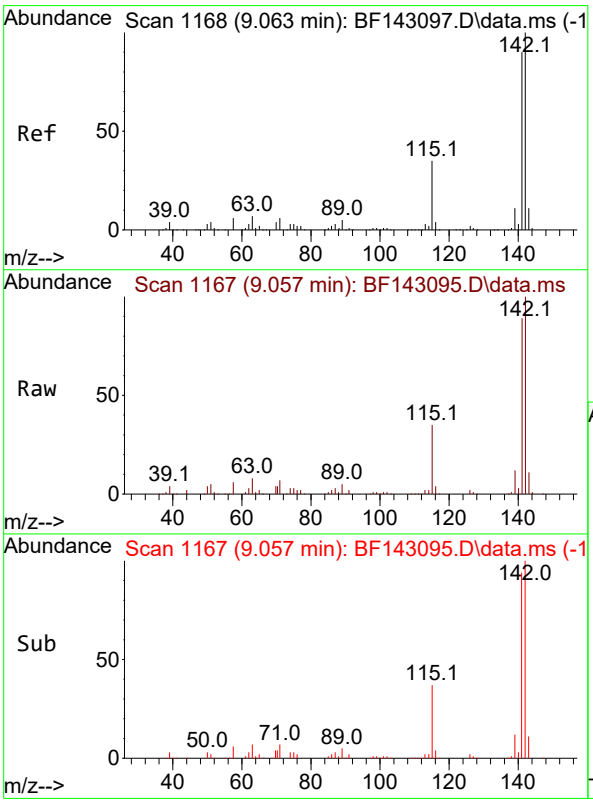
Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

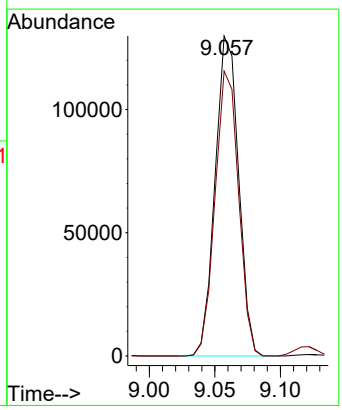
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

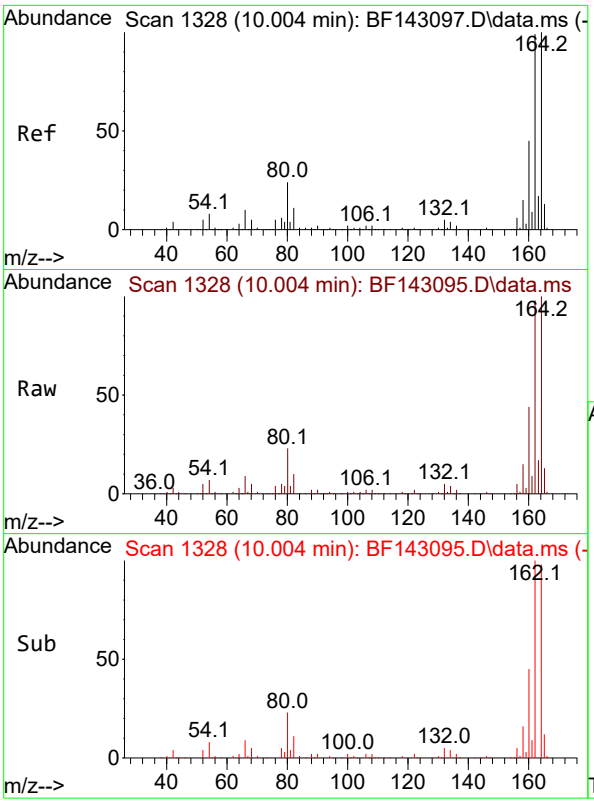


#38
1-Methylnaphthalene
Concen: 10.739 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:142 Resp: 161228

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.2	108.4

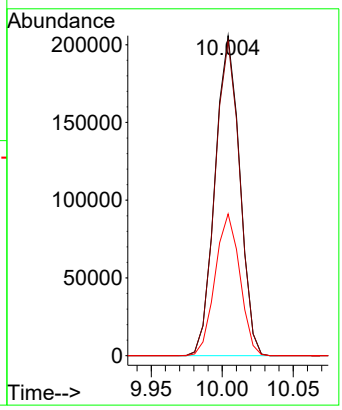




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:164 Resp: 24801

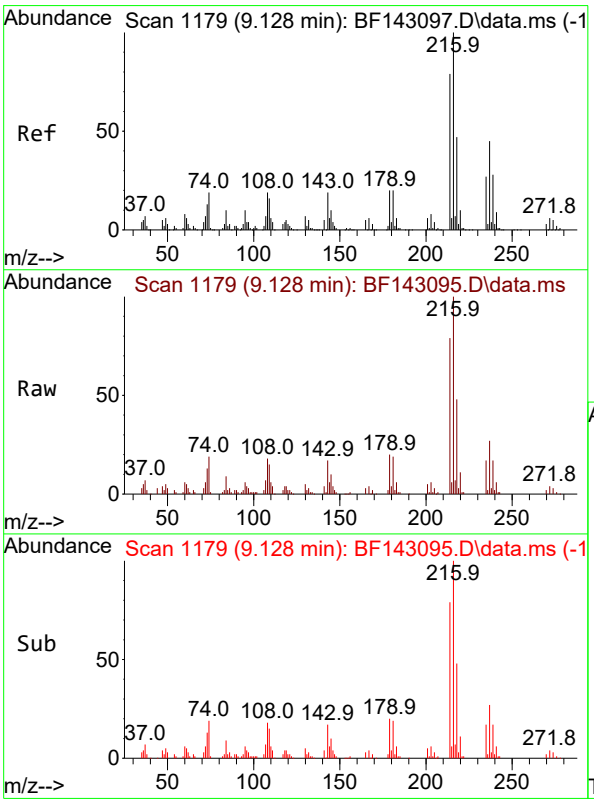
Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	44.3	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

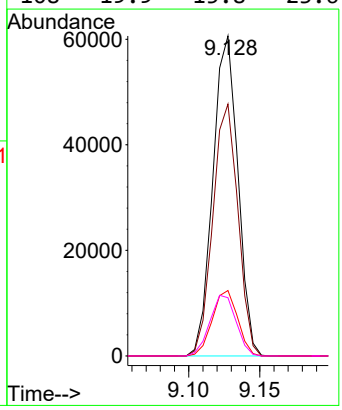
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

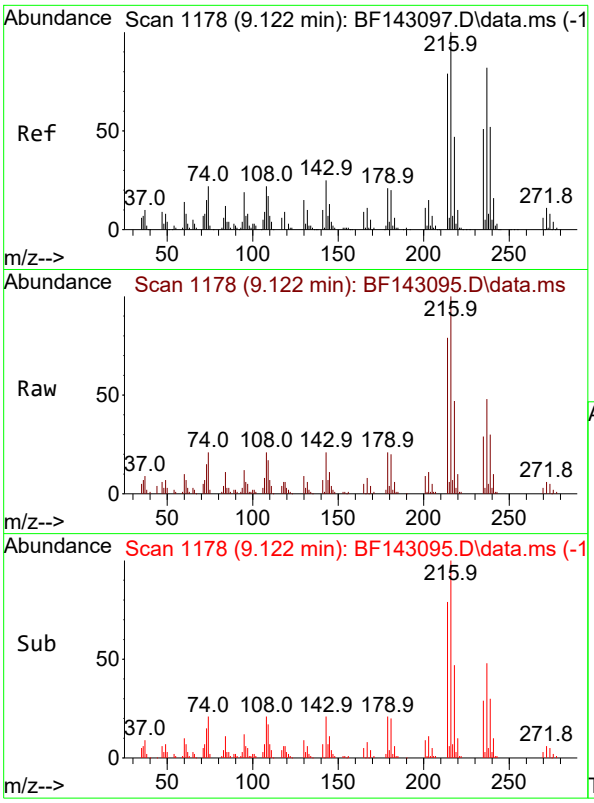


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.287 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:216 Resp: 74348

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	94.0
179	20.7	16.2	24.2
108	19.9	15.8	23.6





#41
Hexachlorocyclopentadiene
Concen: 7.854 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

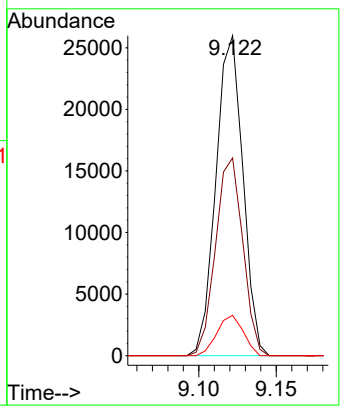
Tgt Ion:237 Resp: 3147

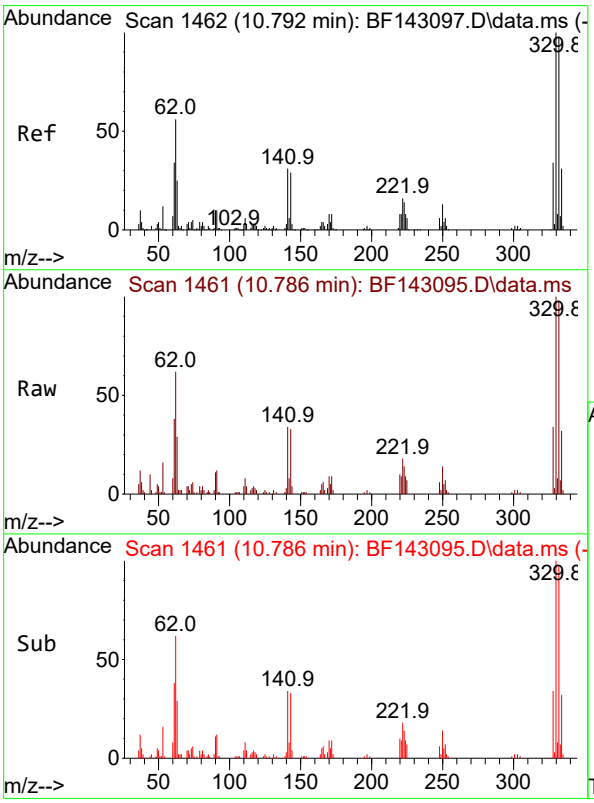
Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.6	81.6
272	12.6	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

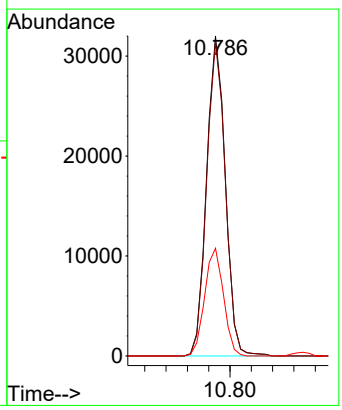


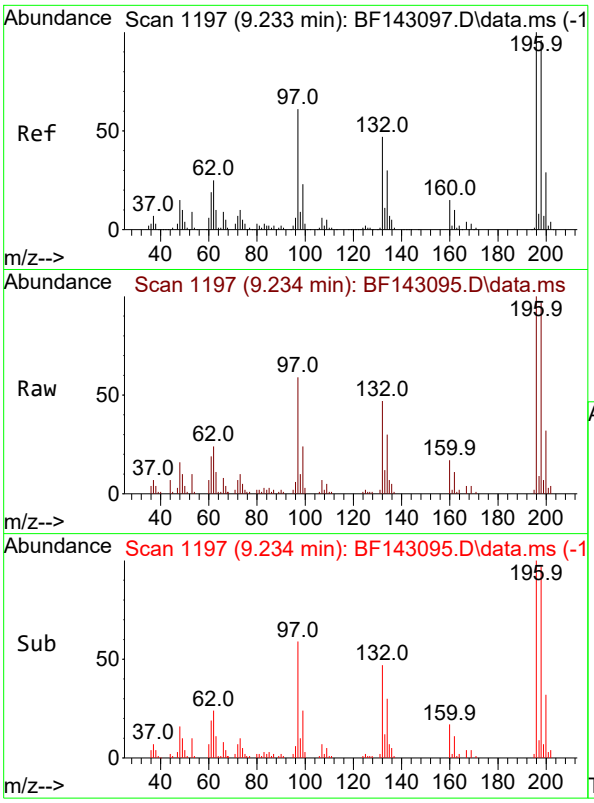


#42
2,4,6-Tribromophenol
Concen: 17.661 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:330 Resp: 39055

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.9	116.9
141	33.8	25.9	38.9

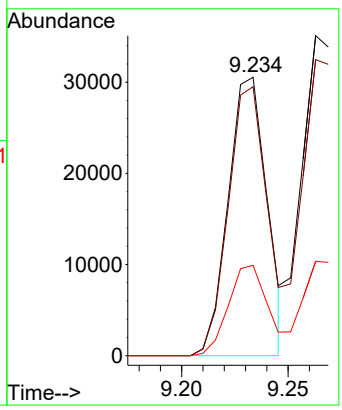




#43
2,4,6-Trichlorophenol
Concen: 8.628 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:196 Resp: 3874

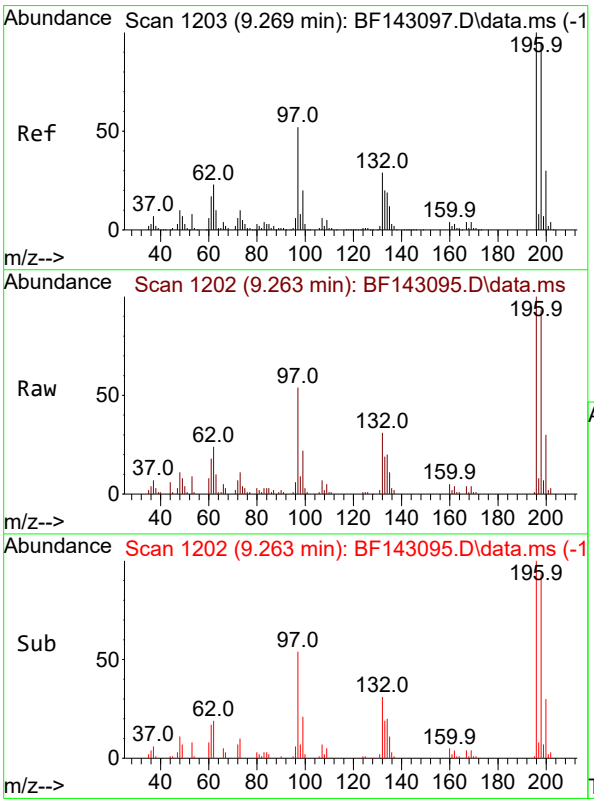
Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.9	115.3
200	32.5	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

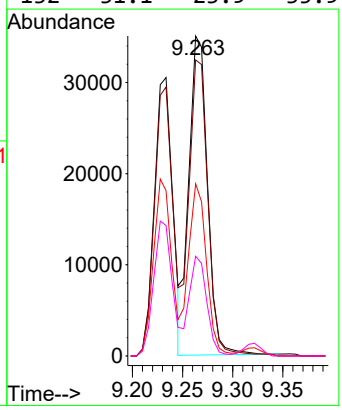
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

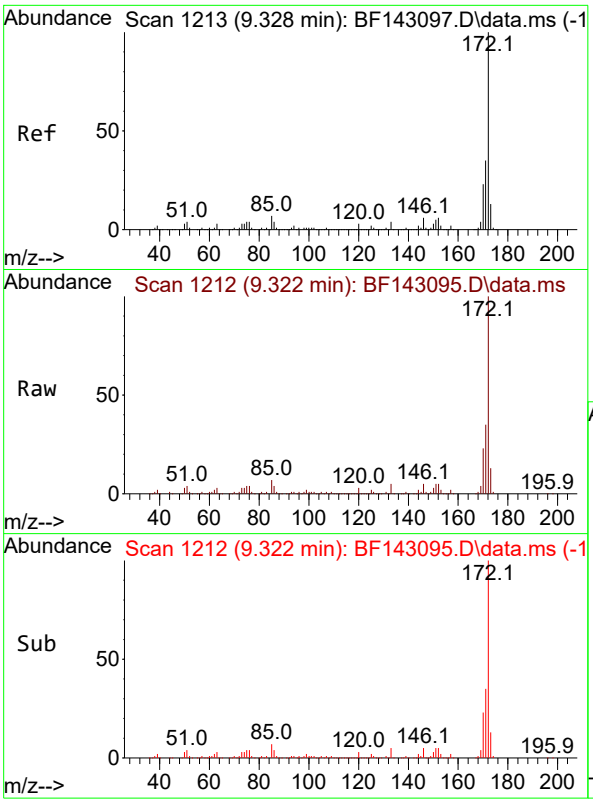


#44
2,4,5-Trichlorophenol
Concen: 9.653 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:196 Resp: 45455

Ion	Ratio	Lower	Upper
196	100		
198	92.5	76.4	114.6
97	53.8	42.4	63.6
132	31.1	23.9	35.9

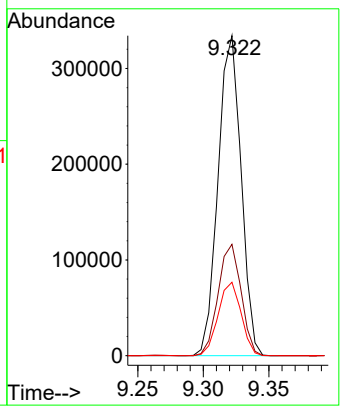




#45
2-Fluorobiphenyl
Concen: 21.860 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:172 Resp: 40786

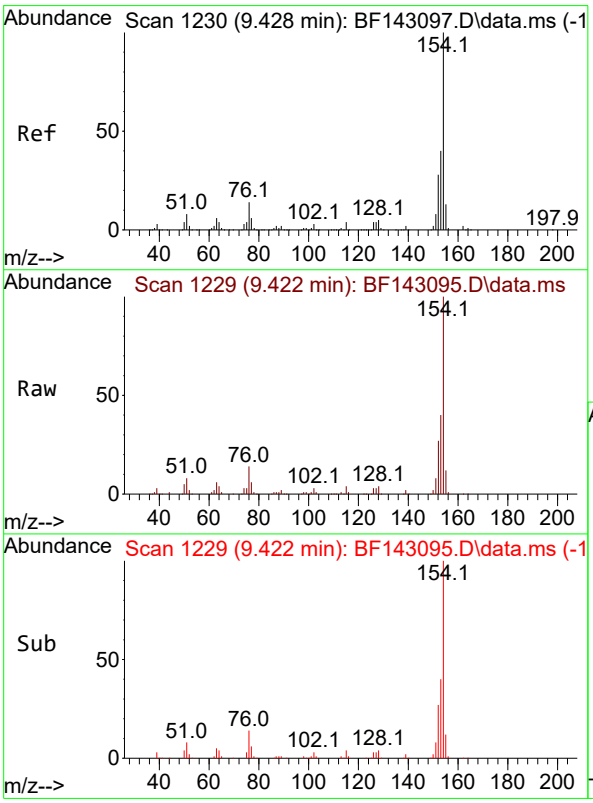
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.0	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

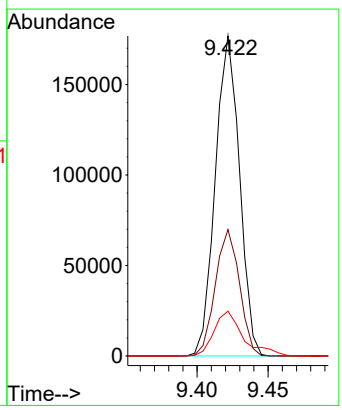
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

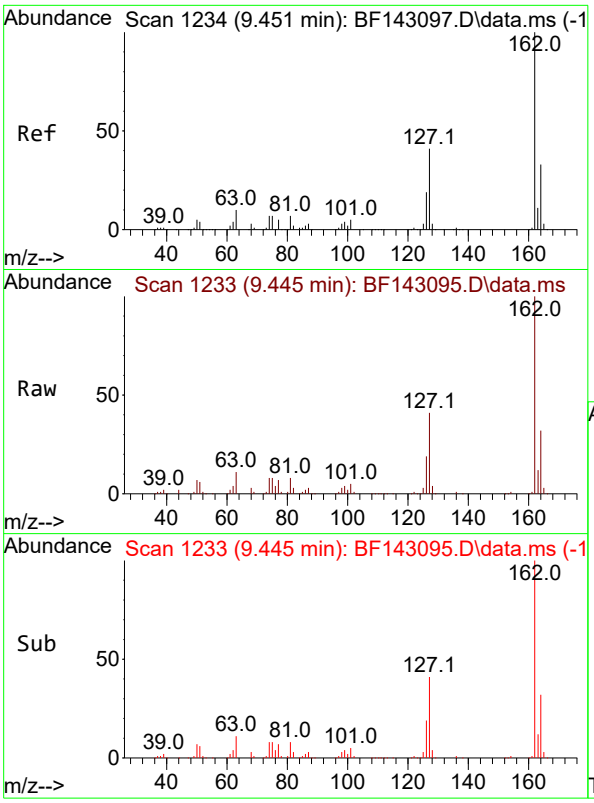


#46
1,1'-Biphenyl
Concen: 10.580 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 209259

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.1	60.1
76	14.0	0.0	33.7

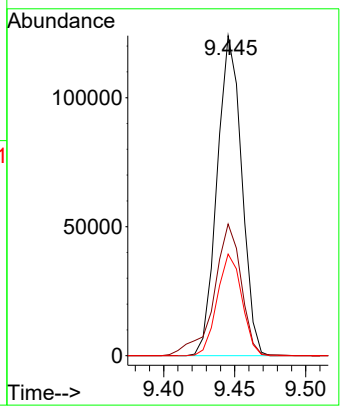




#47
2-Chloronaphthalene
Concen: 10.267 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:162 Resp: 14917

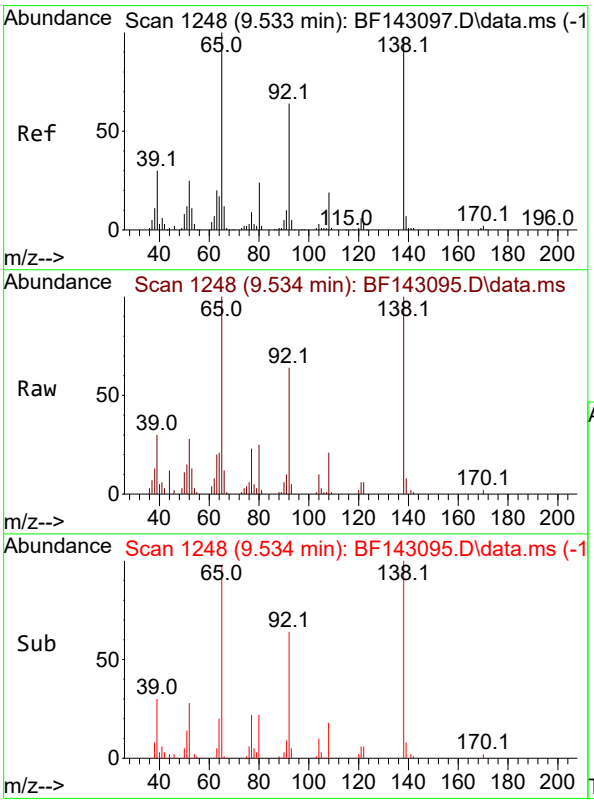
Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.0	49.6
164	31.8	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

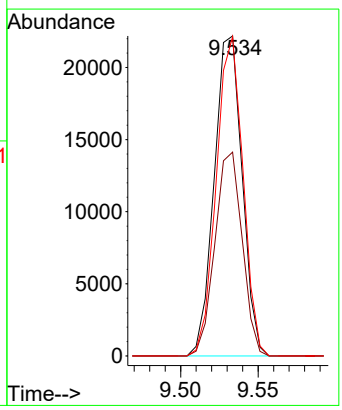
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

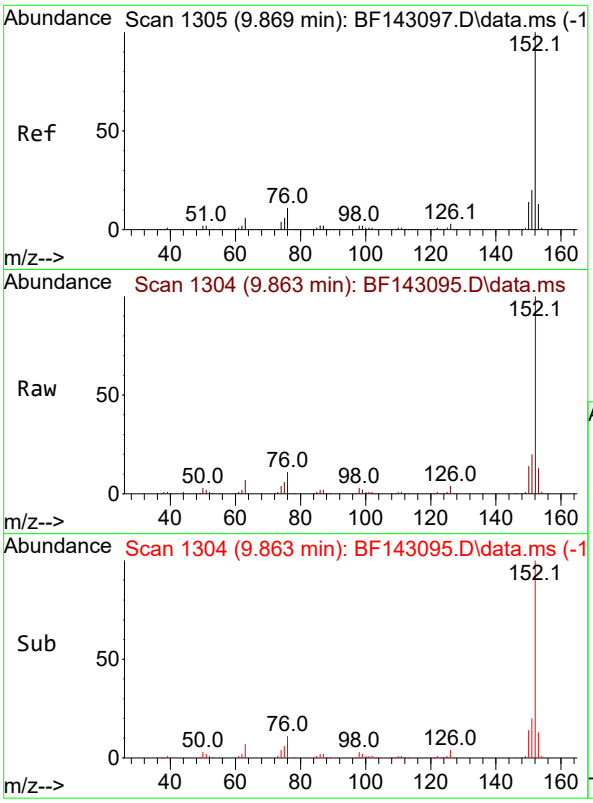


#48
2-Nitroaniline
Concen: 9.163 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.001 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 65 Resp: 27816

Ion	Ratio	Lower	Upper
65	100		
92	63.7	51.3	76.9
138	99.7	77.8	116.6

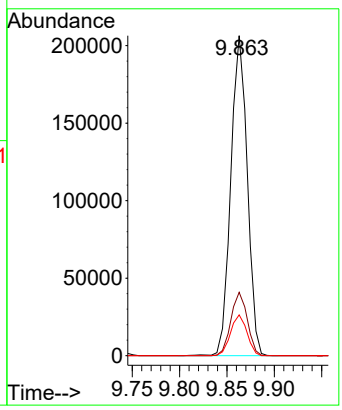




#49
Acenaphthylene
Concen: 10.302 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:152 Resp: 24943

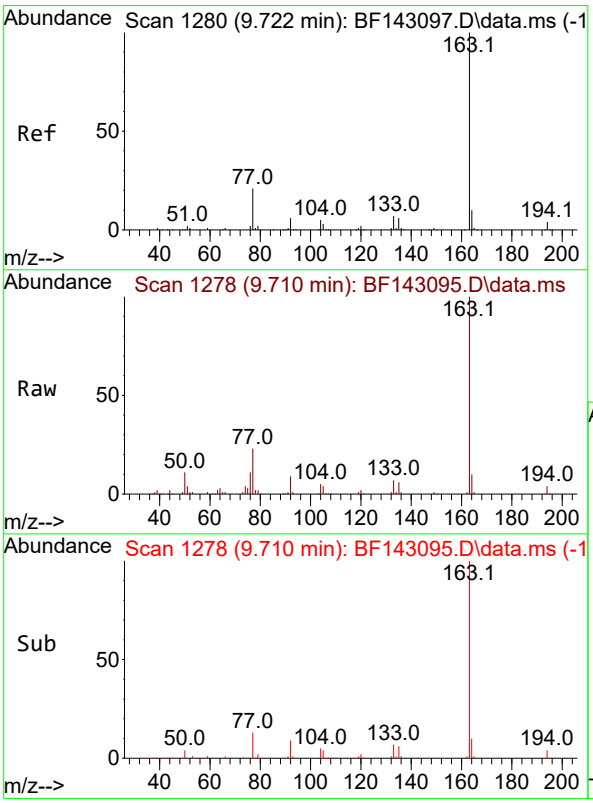
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.8	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

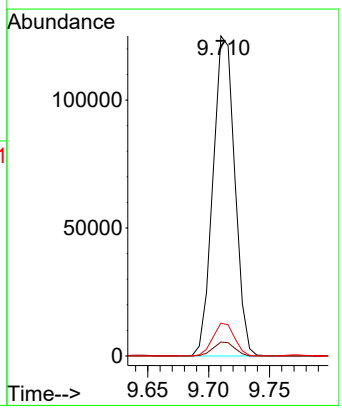
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

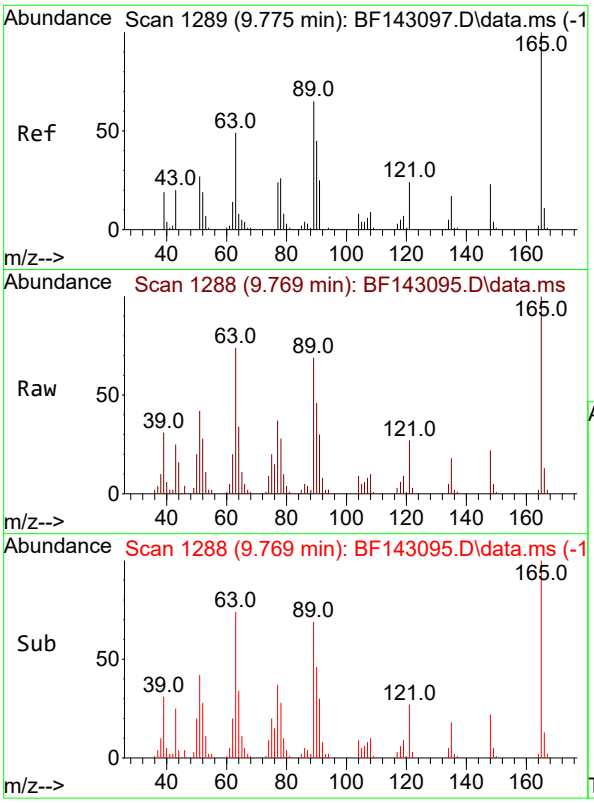


#50
Dimethylphthalate
Concen: 10.003 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:163 Resp: 156072

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2

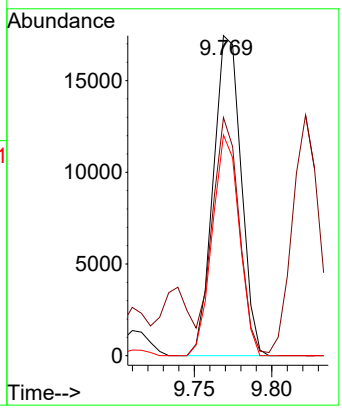




#51
2,6-Dinitrotoluene
Concen: 9.451 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:165 Resp: 2178

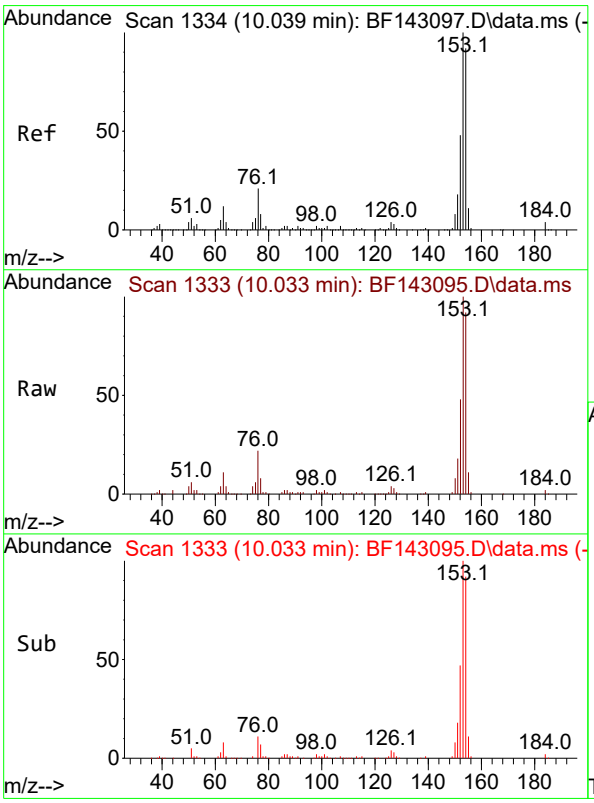
Ion	Ratio	Lower	Upper
165	100		
63	74.4	57.4	86.0
89	69.0	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

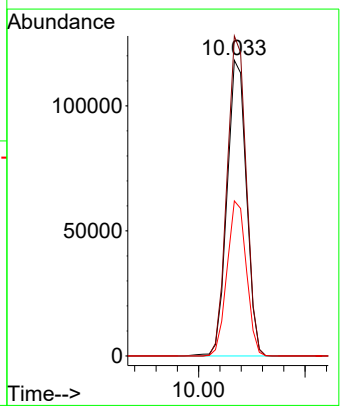
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

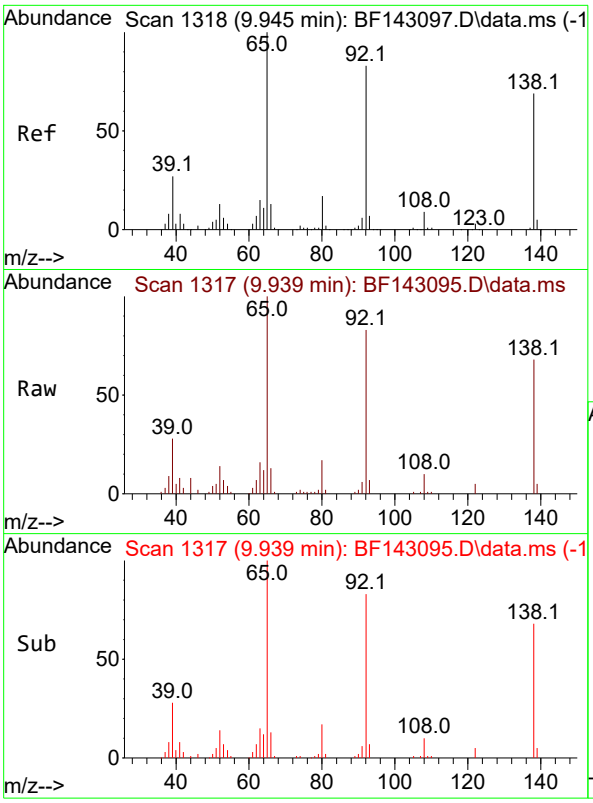


#52
Acenaphthene
Concen: 10.451 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 149318

Ion	Ratio	Lower	Upper
154	100		
153	108.2	86.7	130.1
152	52.4	41.4	62.2





#53
3-Nitroaniline
Concen: 8.336 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

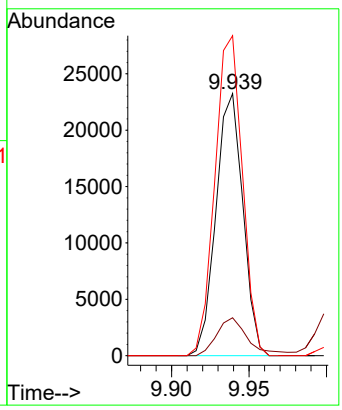
Tgt Ion:138 Resp: 2810

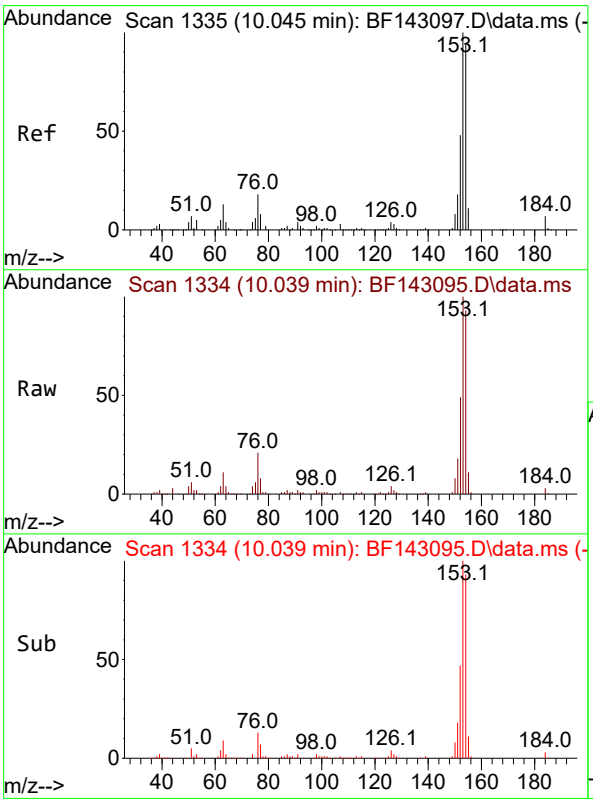
Ion	Ratio	Lower	Upper
138	100		
108	14.5	10.1	15.1
92	122.1	96.4	144.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

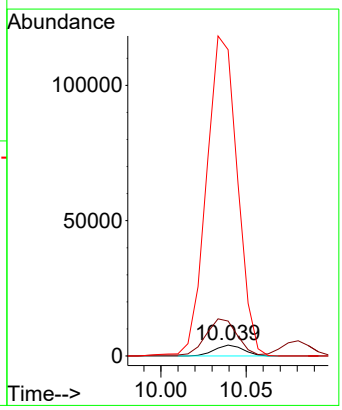


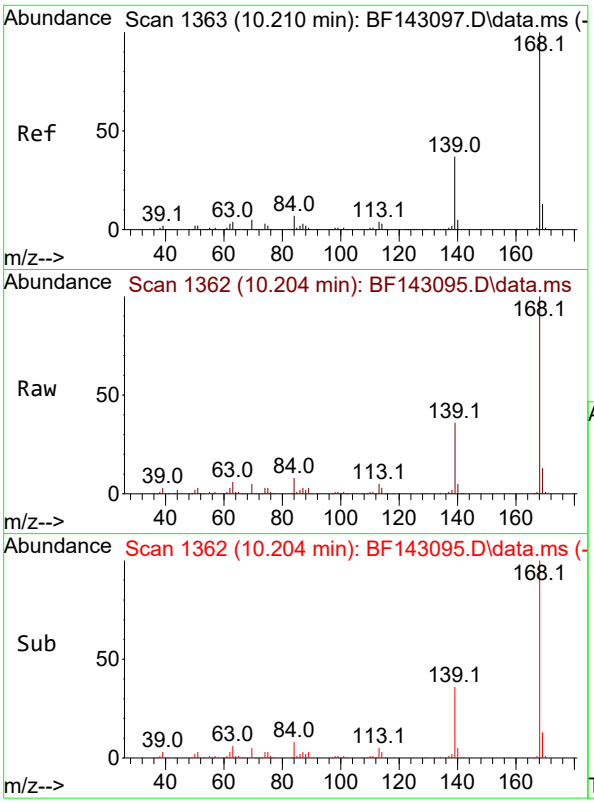


#54
2,4-Dinitrophenol
Concen: 10.239 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:184 Resp: 4729

Ion	Ratio	Lower	Upper
184	100		
63	321.1	149.3	223.9#
154	2815.4	1048.0	1572.0#

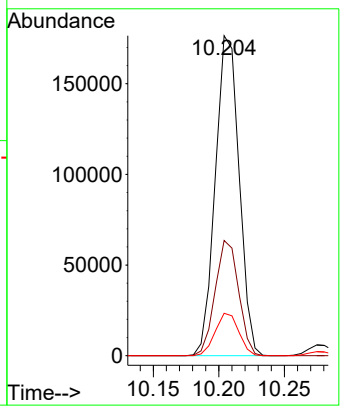




#55
Dibenzofuran
Concen: 10.451 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:168 Resp: 22255

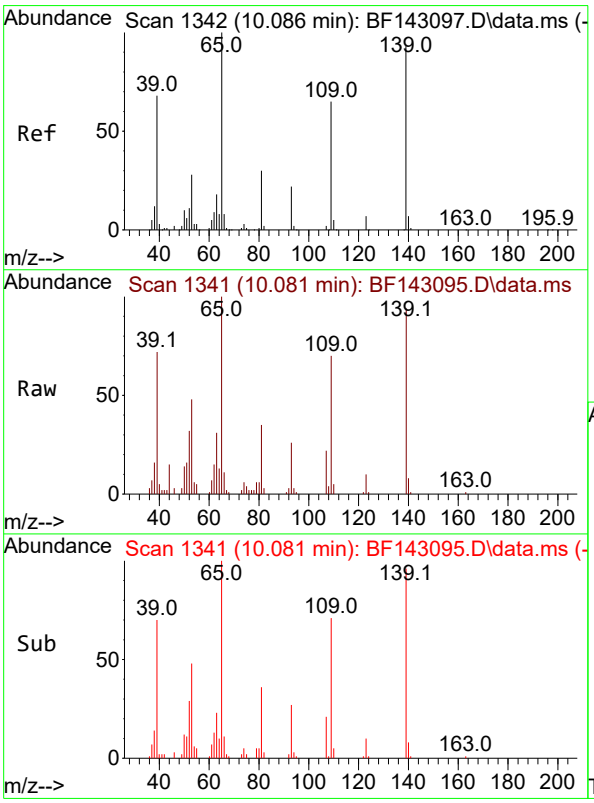
Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.8	44.6
169	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

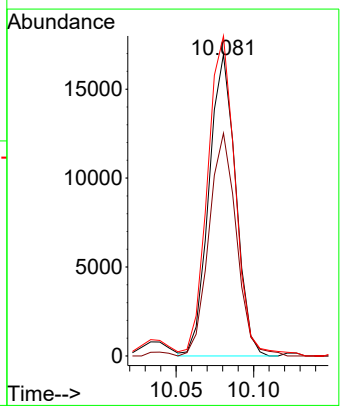
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

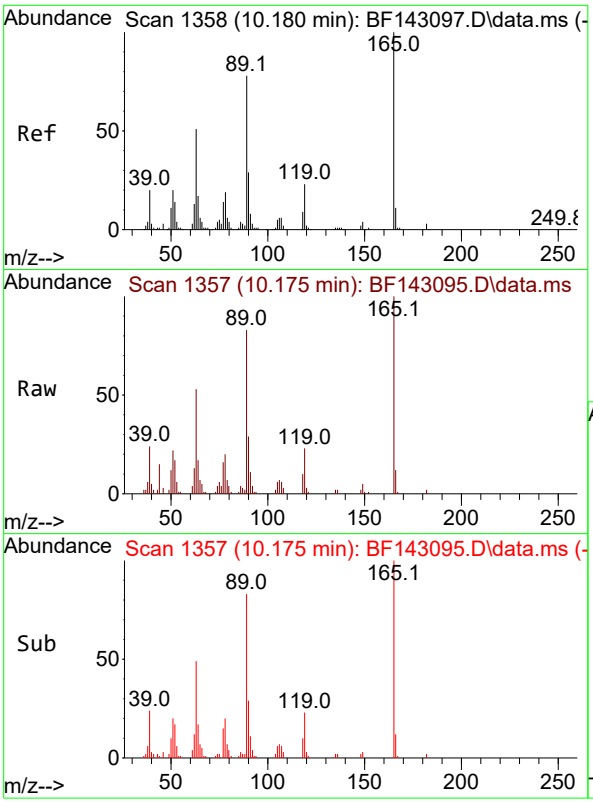


#56
4-Nitrophenol
Concen: 7.589 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 20334

Ion	Ratio	Lower	Upper
139	100		
109	73.8	49.4	89.4
65	106.1	88.2	128.2

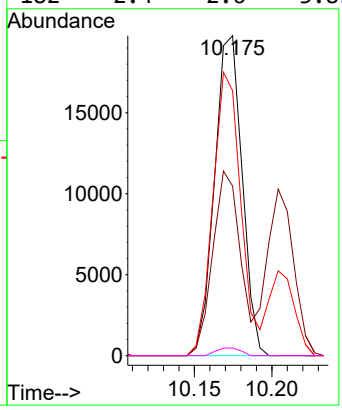




#57
2,4-Dinitrotoluene
Concen: 9.293 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:165 Resp: 2442

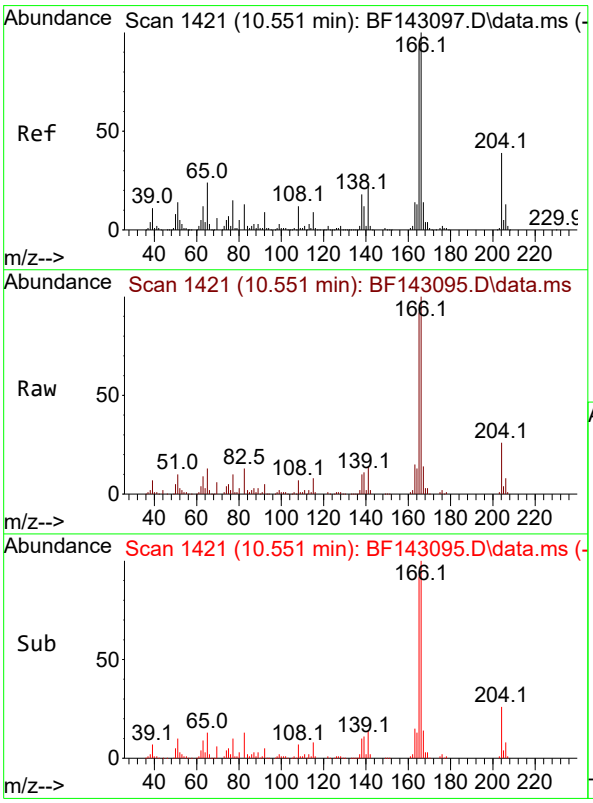
Ion	Ratio	Lower	Upper
165	100		
63	53.0	40.6	61.0
89	82.8	62.3	93.5
182	2.4	2.6	3.8#



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

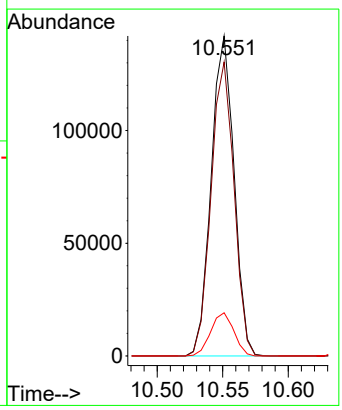
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

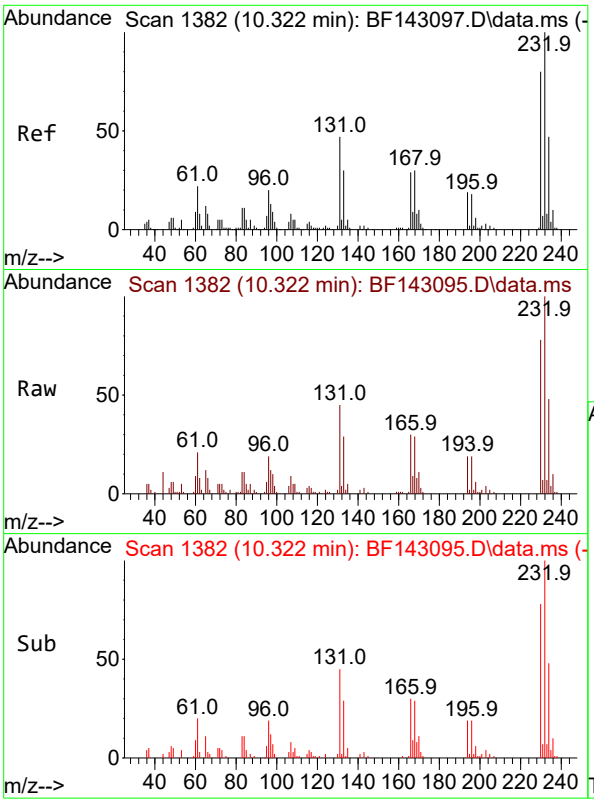


#58
Fluorene
Concen: 10.771 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:166 Resp: 171975

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.5	10.9	16.3

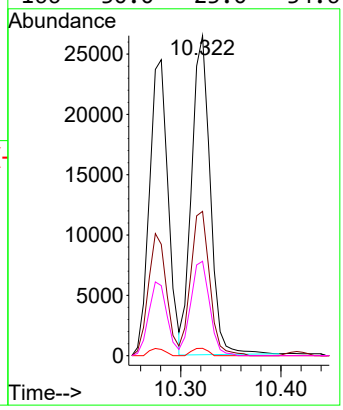




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.084 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:232 Resp: 3399

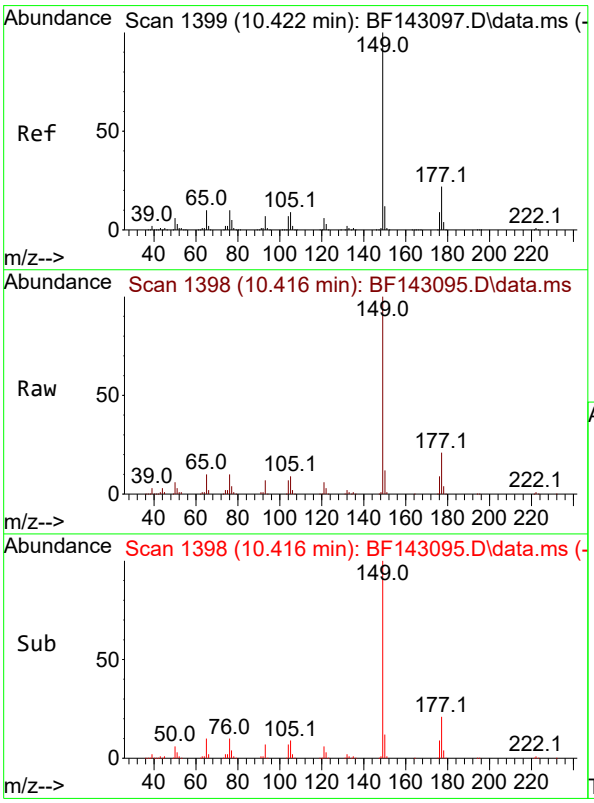
Ion	Ratio	Lower	Upper
232	100		
131	46.3	36.9	55.3
130	2.0	1.8	2.8
166	30.0	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

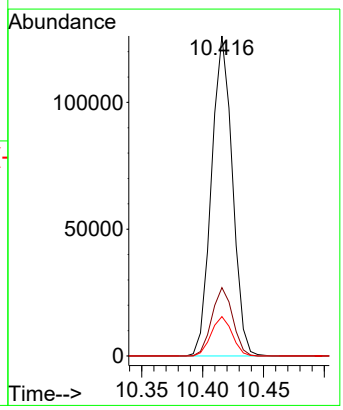
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

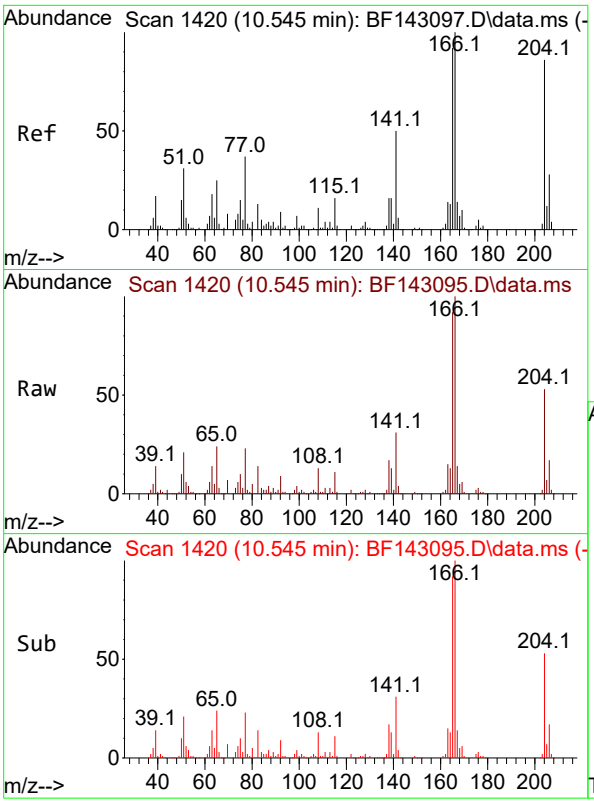


#60
Diethylphthalate
Concen: 10.027 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 150934

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.3	9.9	14.9

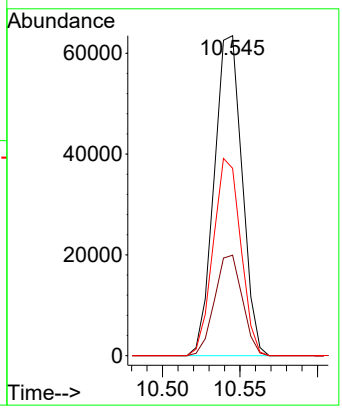




#61
4-Chlorophenyl-phenylether
Concen: 10.400 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:204 Resp: 7958

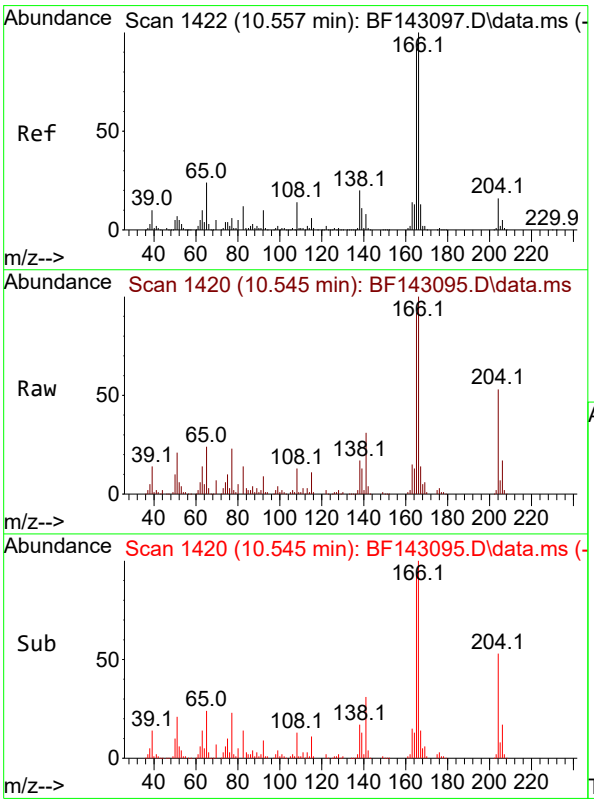
Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.8	38.6
141	58.6	46.8	70.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

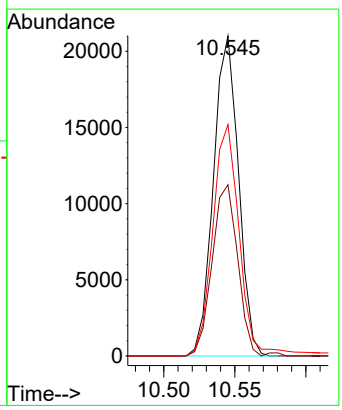
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

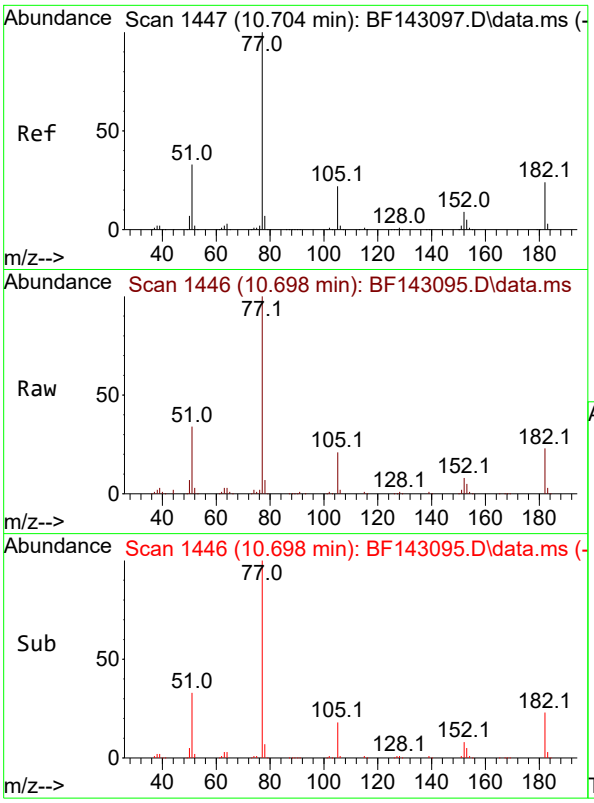


#62
4-Nitroaniline
Concen: 8.785 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:138 Resp: 25757

Ion	Ratio	Lower	Upper
138	100		
92	53.5	30.4	70.4
108	72.3	49.5	89.5

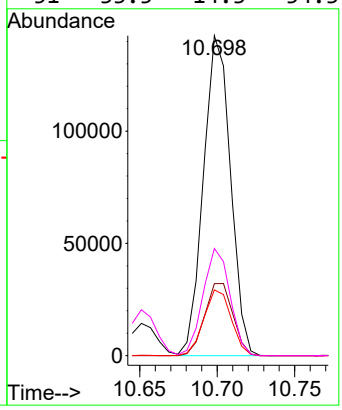




#63
Azobenzene
Concen: 10.418 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 77 Resp: 17343

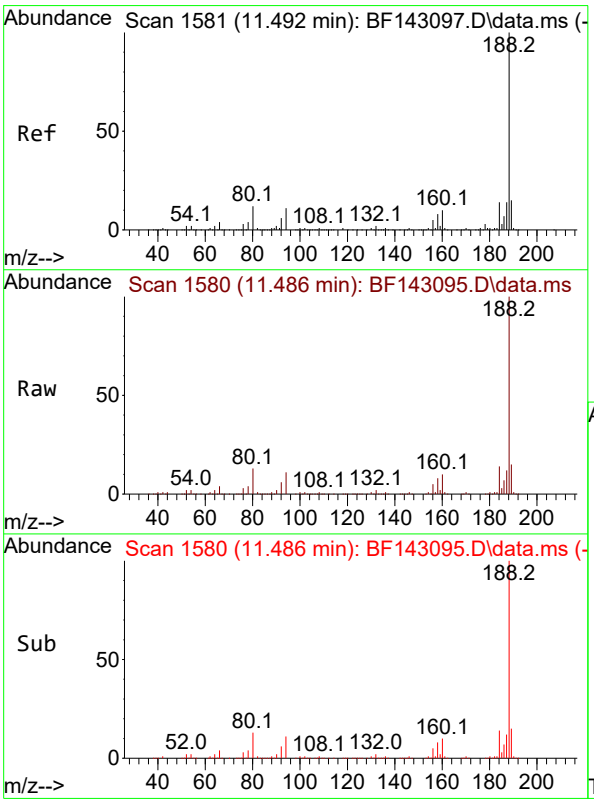
Ion	Ratio	Lower	Upper
77	100		
182	22.5	4.0	44.0
105	20.6	1.4	41.4
51	33.5	14.3	54.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

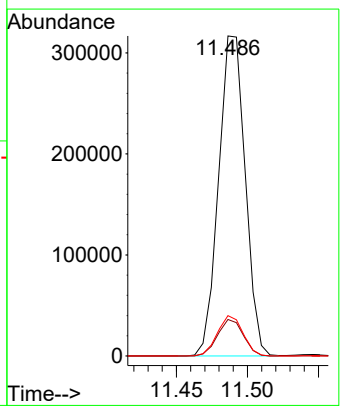
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

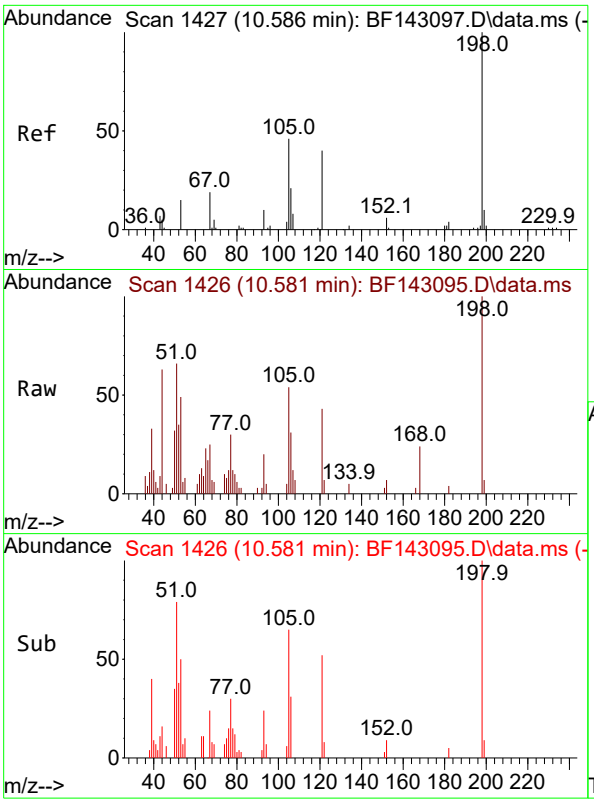


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:188 Resp: 412977

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.6	13.0
80	12.6	9.3	13.9





#65
4,6-Dinitro-2-methylphenol
Concen: 10.290 ng
RT: 10.581 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

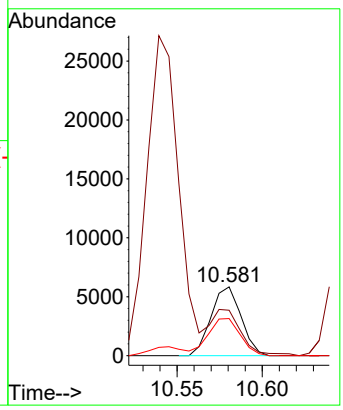
Tgt Ion:198 Resp: 715

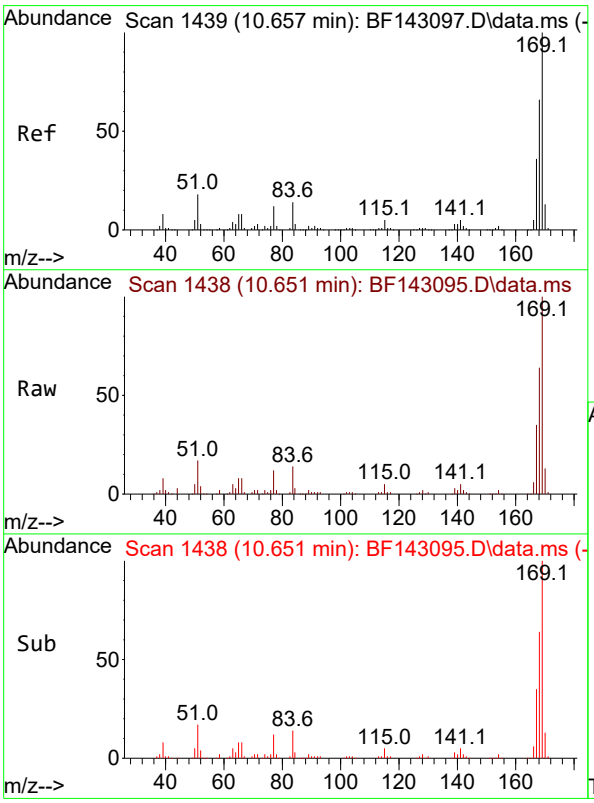
Ion	Ratio	Lower	Upper
198	100		
51	66.0	44.6	84.6
105	54.0	29.3	69.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

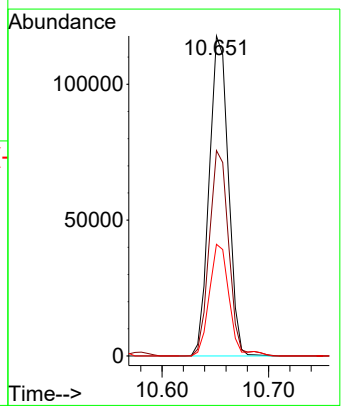


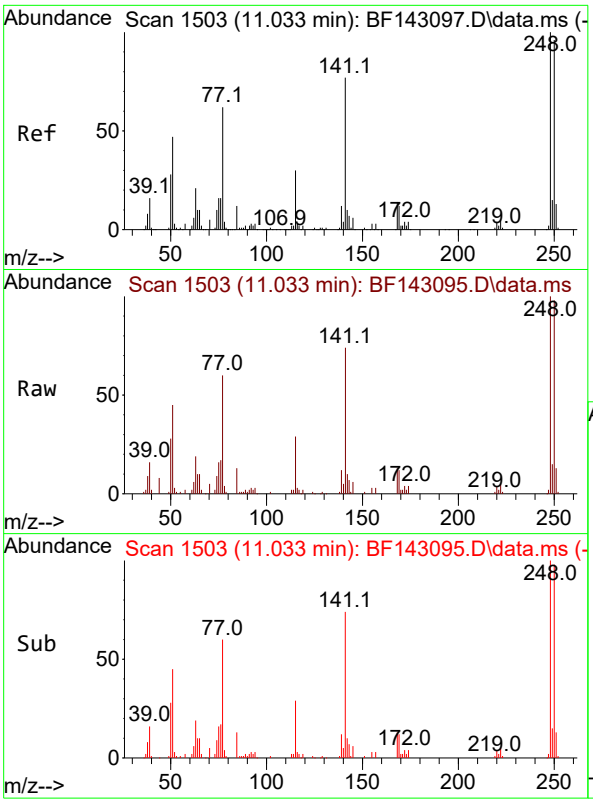


#66
n-Nitrosodiphenylamine
Concen: 10.094 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:169 Resp: 146433

Ion	Ratio	Lower	Upper
169	100		
168	64.2	53.0	79.6
167	34.9	28.4	42.6

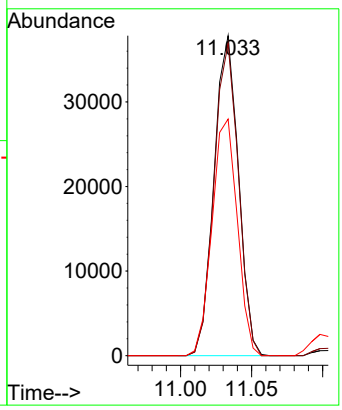




#67
4-Bromophenyl-phenylether
Concen: 9.641 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:248 Resp: 4527

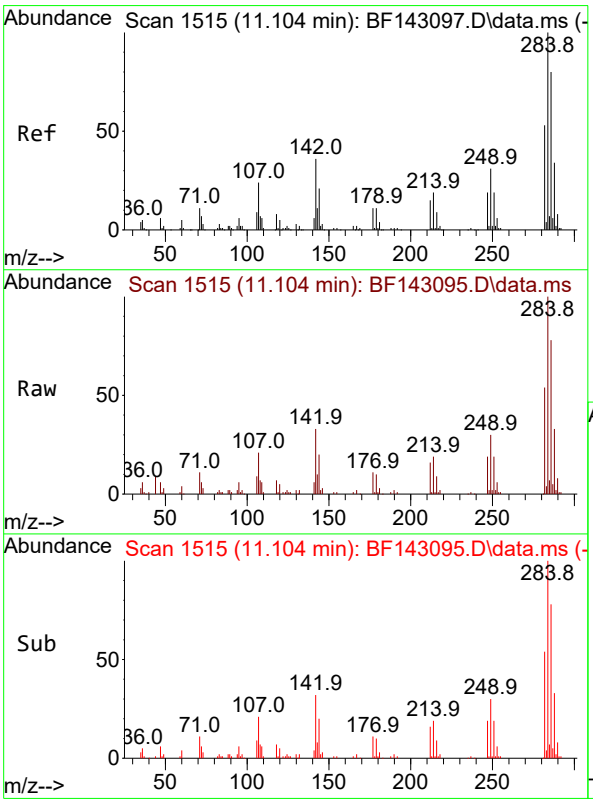
Ion	Ratio	Lower	Upper
248	100		
250	97.5	76.7	115.1
141	73.9	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

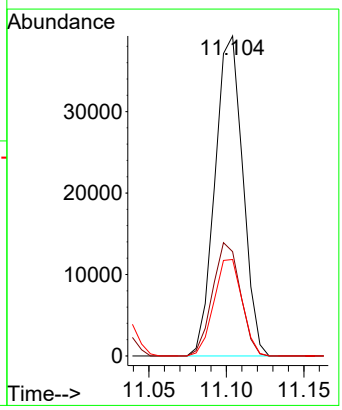
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

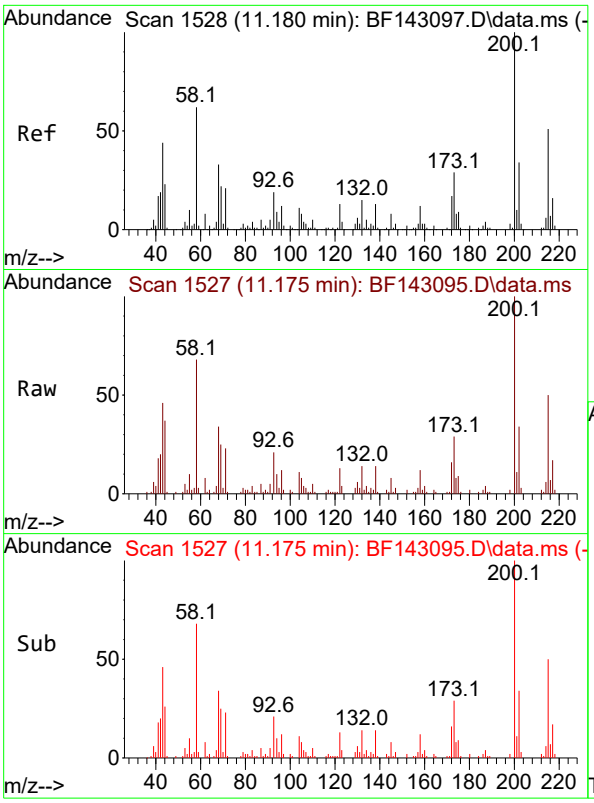


#68
Hexachlorobenzene
Concen: 9.840 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:284 Resp: 49035

Ion	Ratio	Lower	Upper
284	100		
142	32.6	28.9	43.3
249	30.1	24.6	37.0

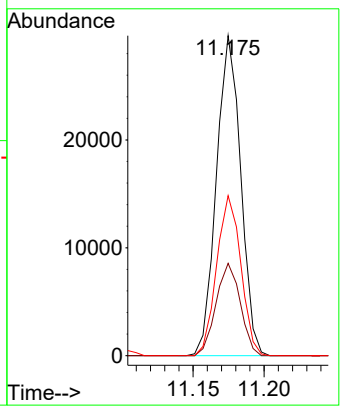




#69
Atrazine
Concen: 9.492 ng
RT: 11.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:200 Resp: 3523

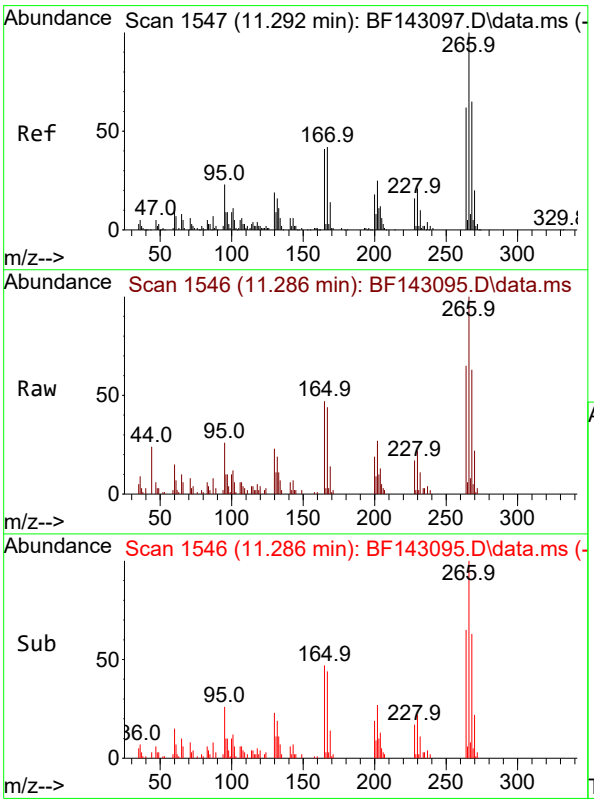
Ion	Ratio	Lower	Upper
200	100		
173	28.9	9.1	49.1
215	50.0	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

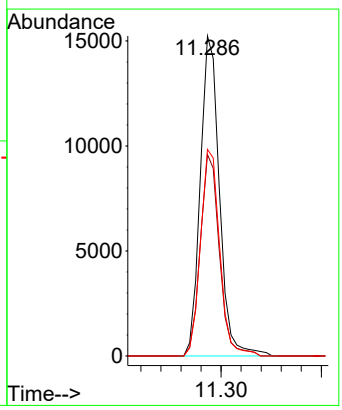
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

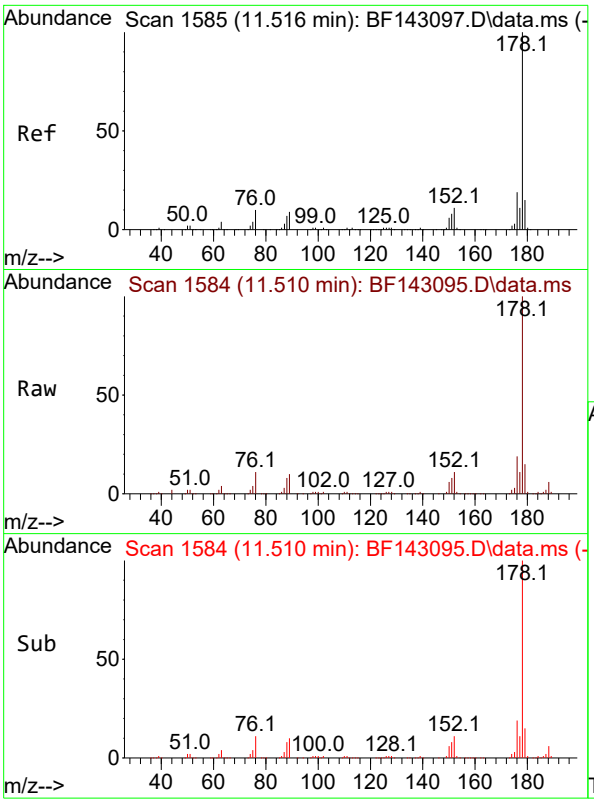


#70
Pentachlorophenol
Concen: 7.405 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:266 Resp: 20245

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.8	77.6
264	64.6	49.7	74.5

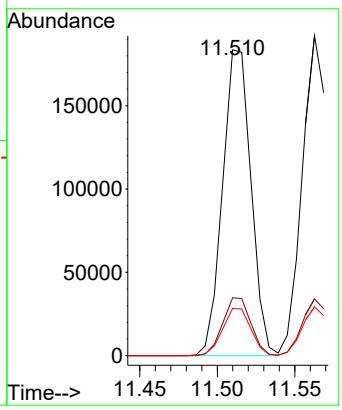




#71
Phenanthrene
Concen: 10.526 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:178 Resp: 23460

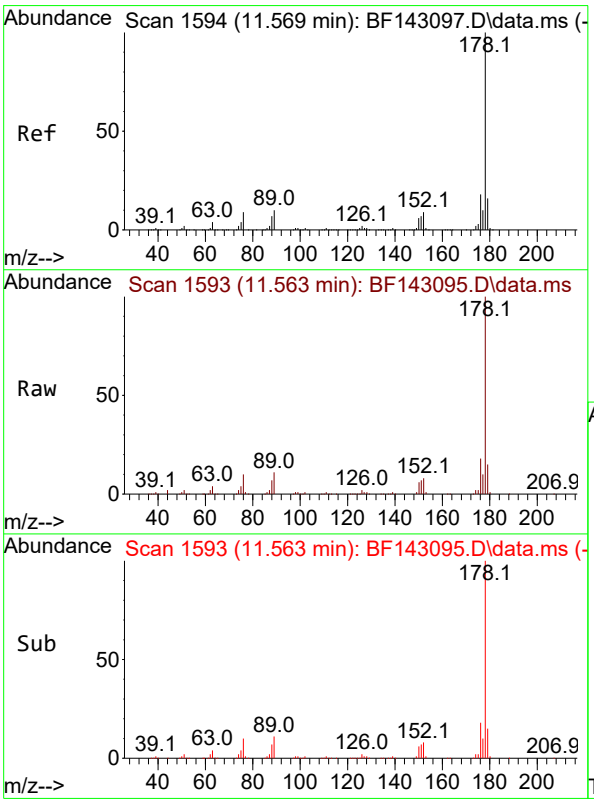
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.4	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

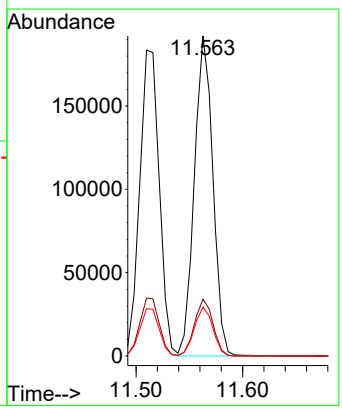
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

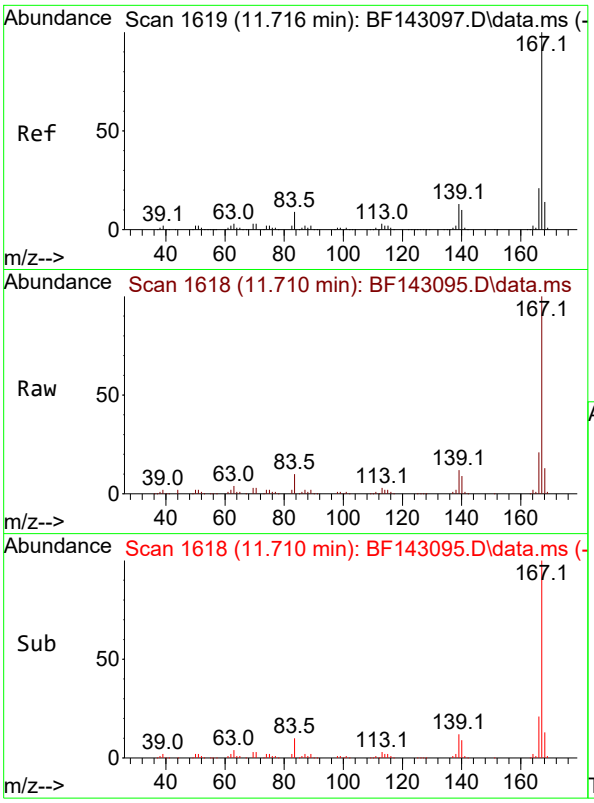


#72
Anthracene
Concen: 10.372 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:178 Resp: 232459

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	15.2	12.4	18.6

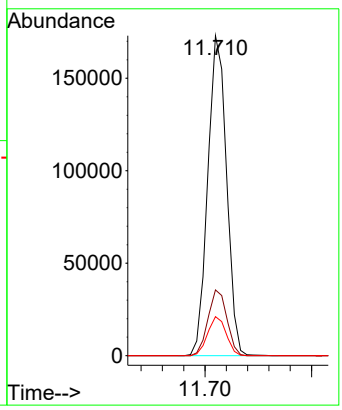




#73
Carbazole
Concen: 10.551 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:167 Resp: 21185

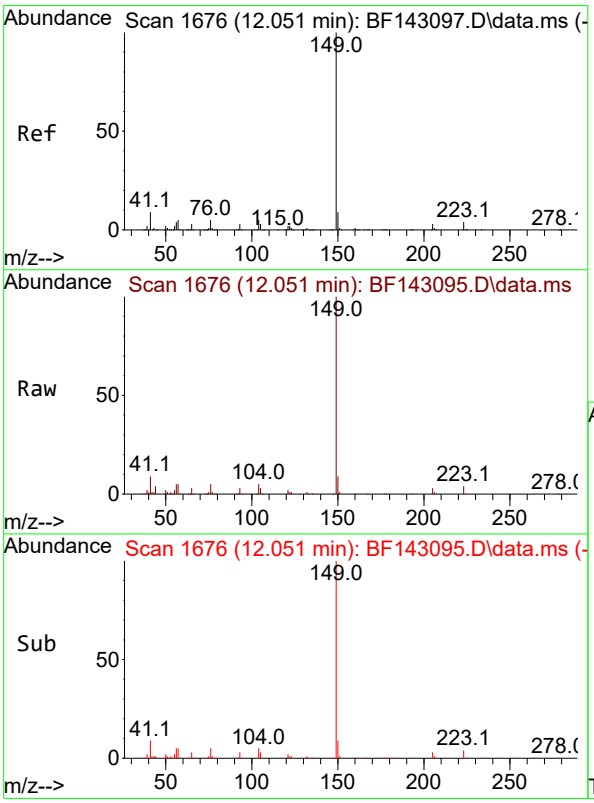
Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.0	25.4
139	12.2	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

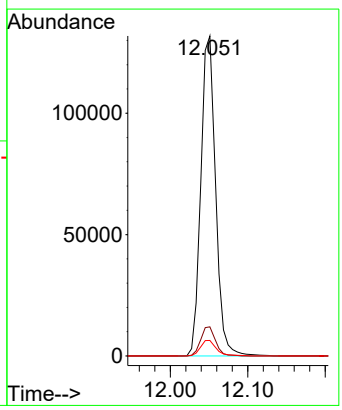
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

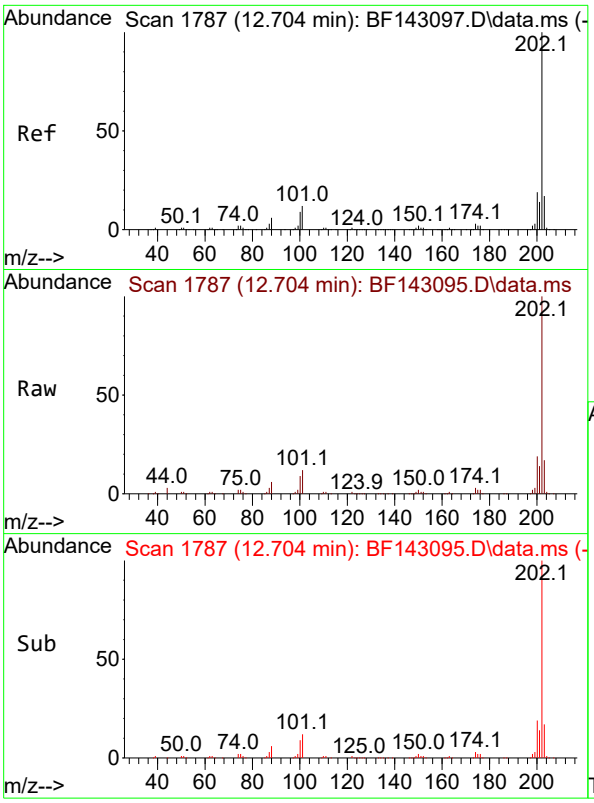


#74
Di-n-butylphthalate
Concen: 9.475 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 174639

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.8	3.8	5.8

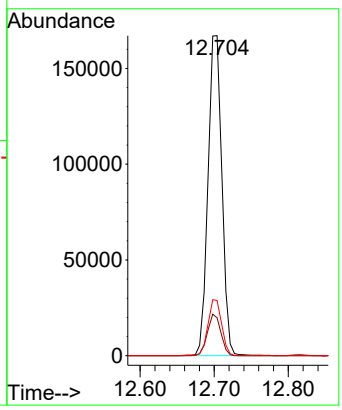




#75
Fluoranthene
Concen: 10.725 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:202 Resp: 21734

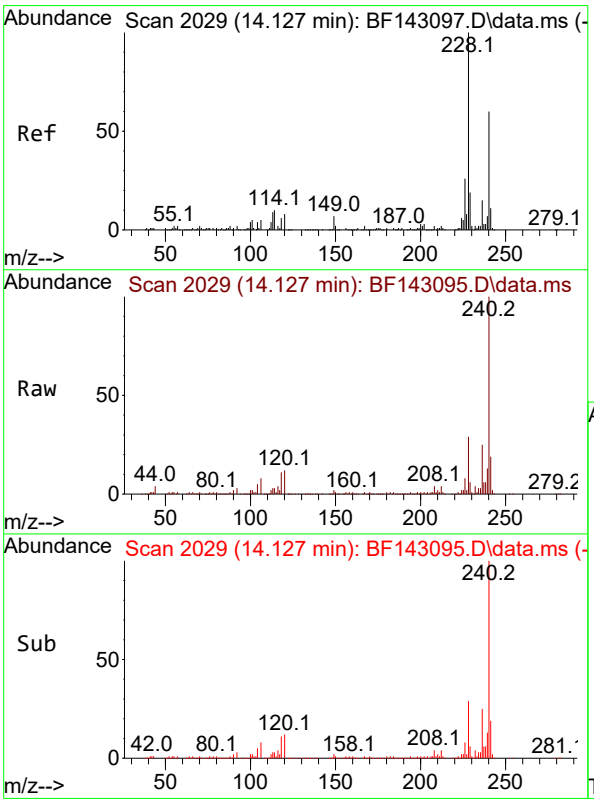
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.4
203	17.3	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

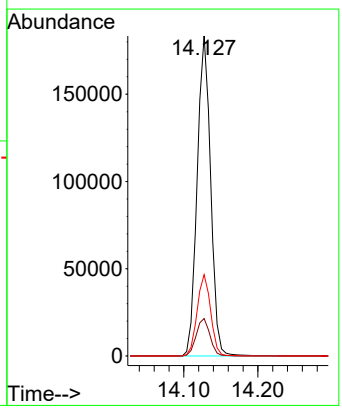
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

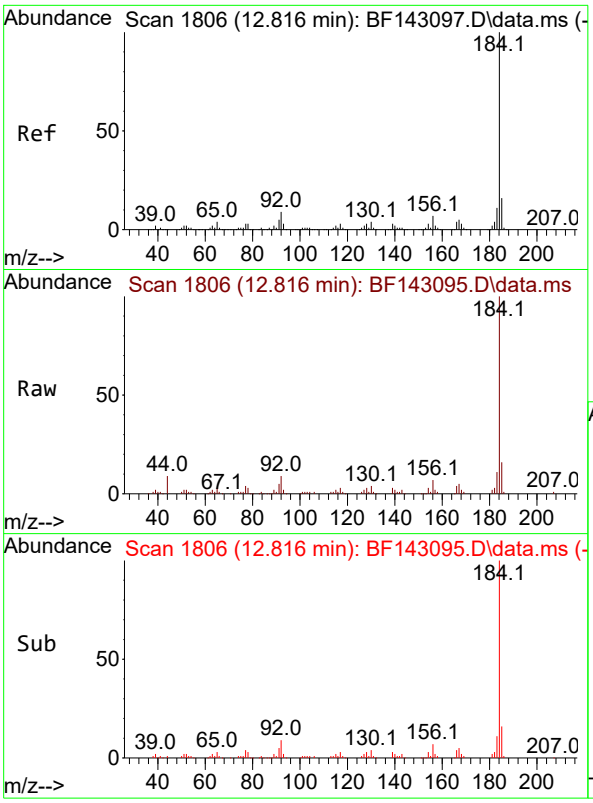


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:240 Resp: 231826

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.4	20.0	30.0

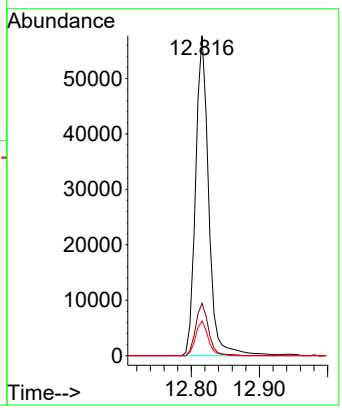




#77
Benzidine
Concen: 9.747 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:184 Resp: 7697

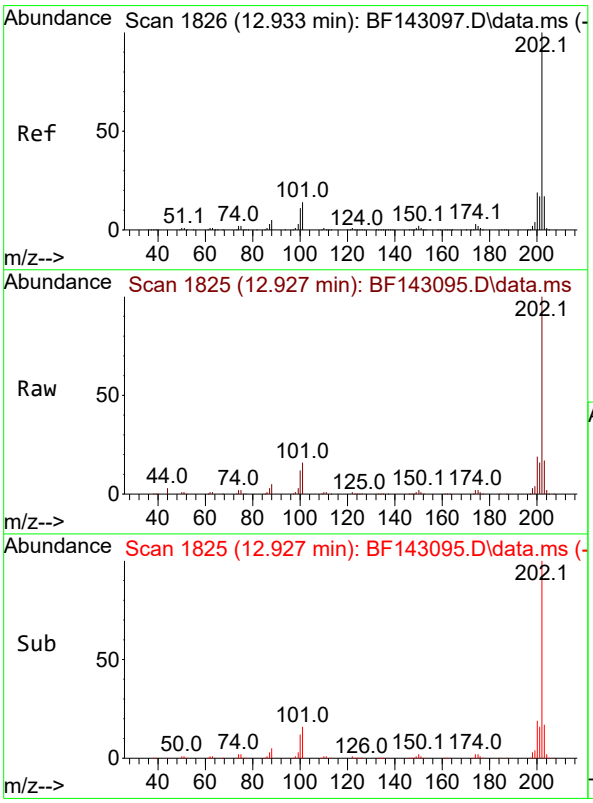
Ion	Ratio	Lower	Upper
184	100		
185	16.4	12.4	18.6
183	10.8	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

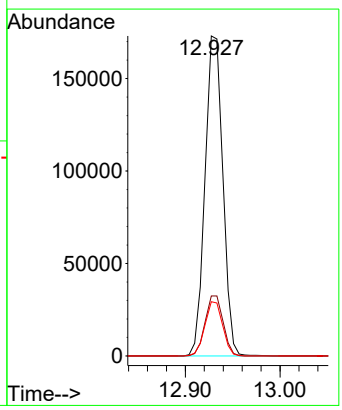
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

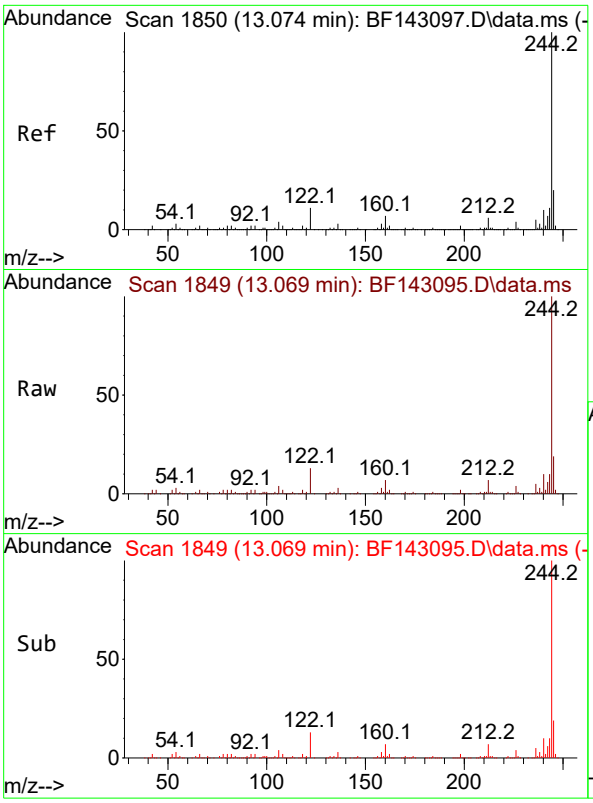


#78
Pyrene
Concen: 10.542 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:202 Resp: 226752

Ion	Ratio	Lower	Upper
202	100		
200	18.8	15.5	23.3
203	16.9	14.0	21.0

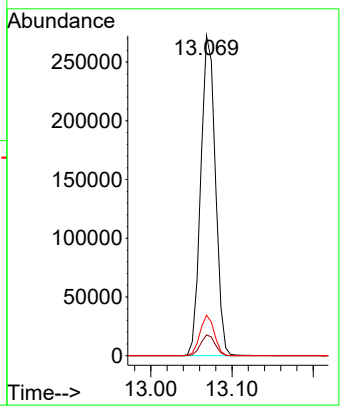




#79
Terphenyl-d14
Concen: 21.502 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:244 Resp: 34099

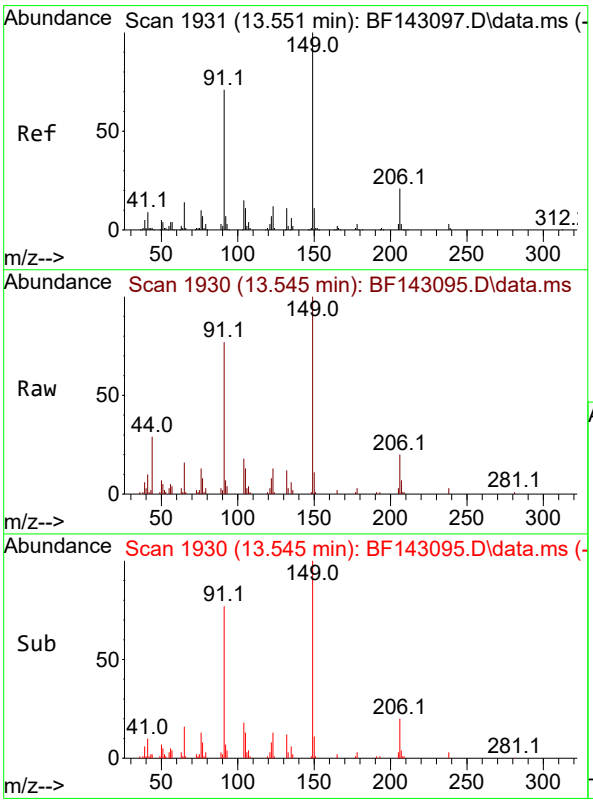
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	12.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

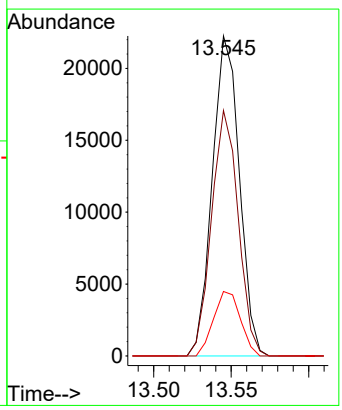
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

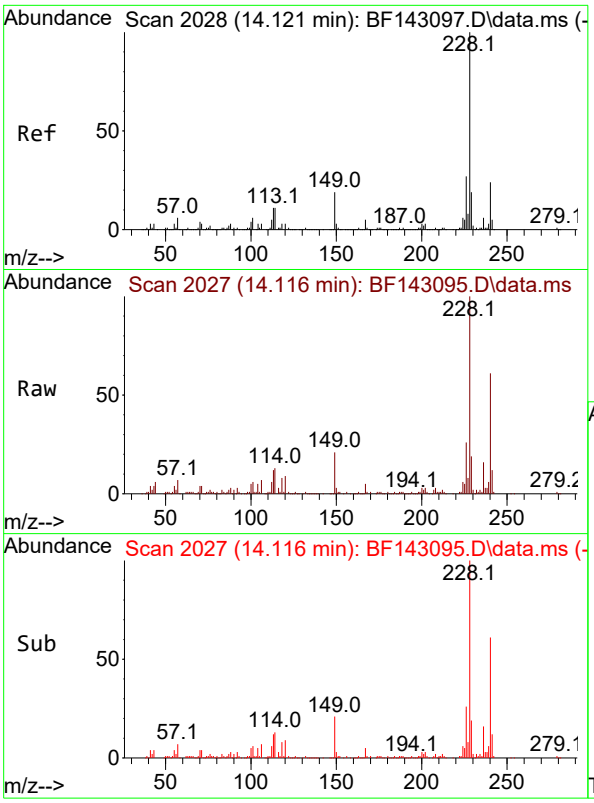


#80
Butylbenzylphthalate
Concen: 9.210 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 26977

Ion	Ratio	Lower	Upper
149	100		
91	76.7	57.0	85.4
206	20.2	17.2	25.8

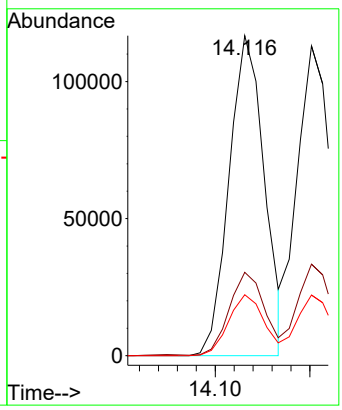




#81
Benzo(a)anthracene
Concen: 9.781 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:228 Resp: 151099

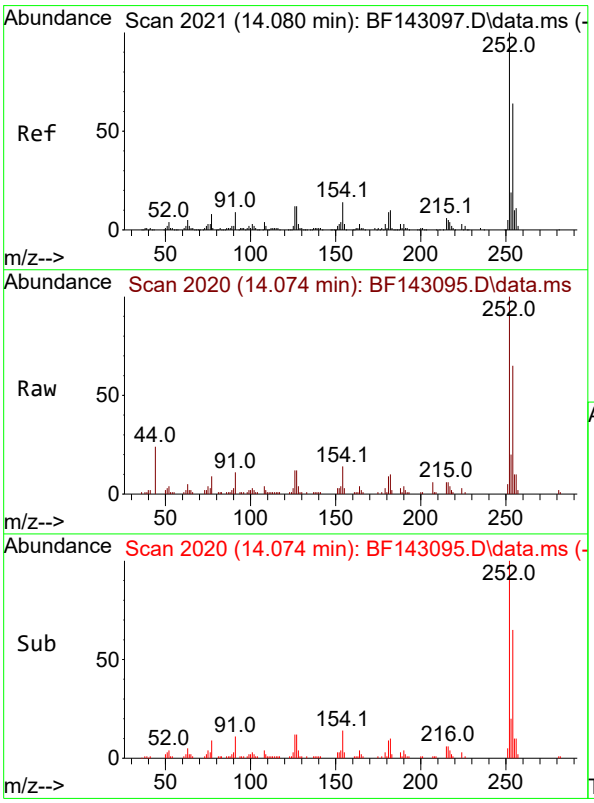
Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.3	31.9
229	19.0	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

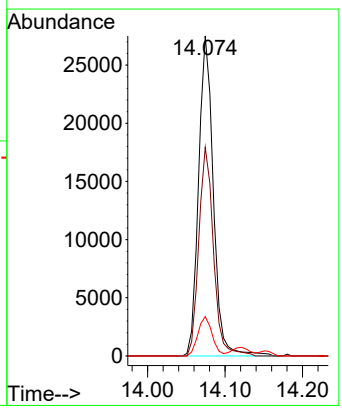
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

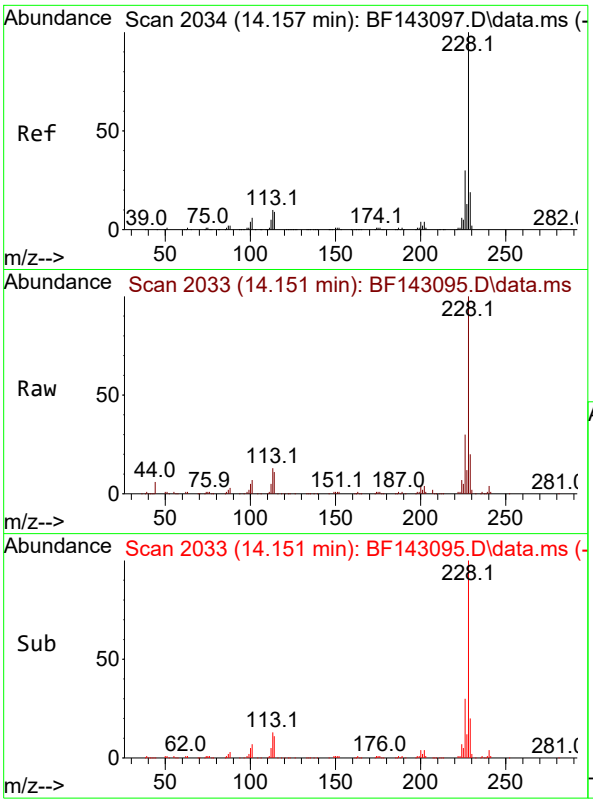


#82
3,3'-Dichlorobenzidine
Concen: 8.122 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 36435

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.5	77.3
126	12.3	9.4	14.0

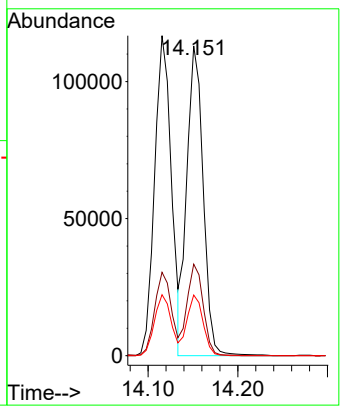




#83
Chrysene
Concen: 10.050 ng
RT: 14.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:228 Resp: 14299

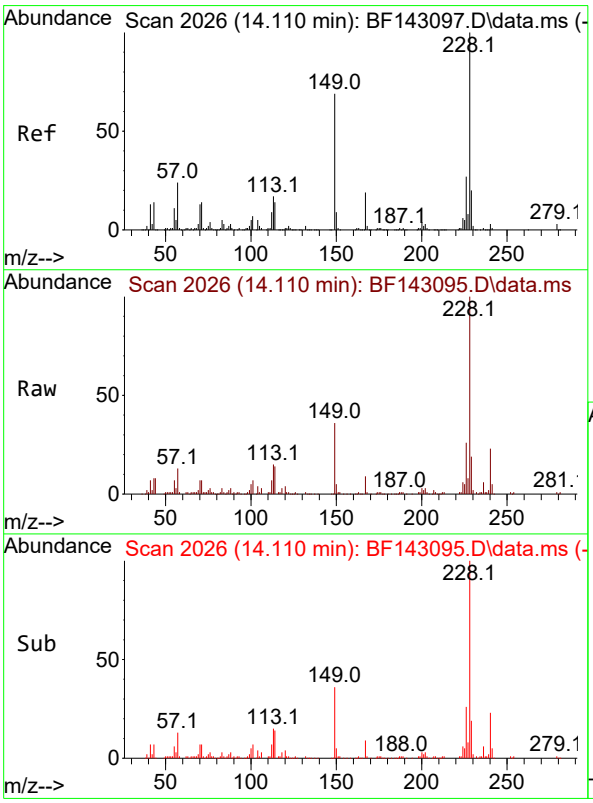
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	19.6	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

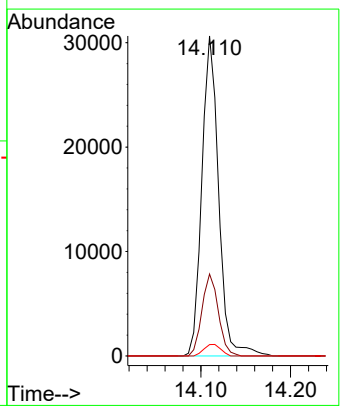
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

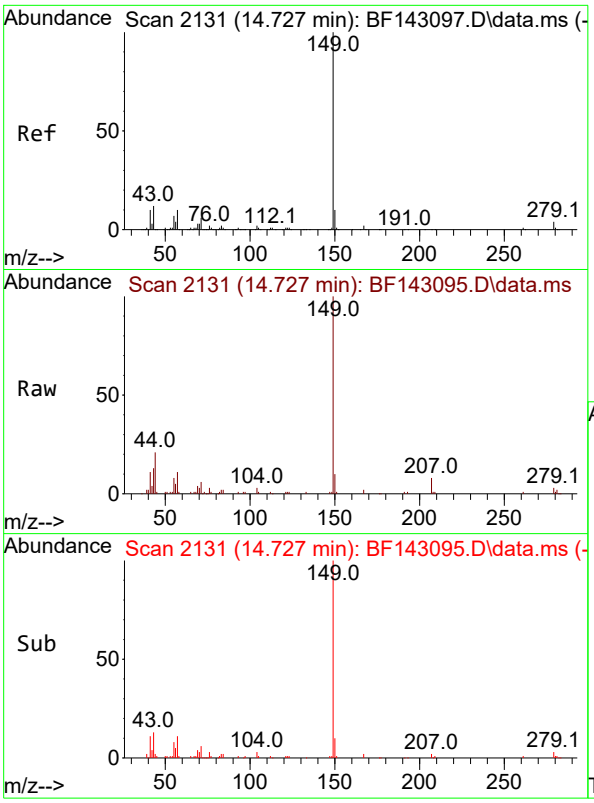


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.073 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 39724

Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.9	32.9
279	3.6	3.4	5.0

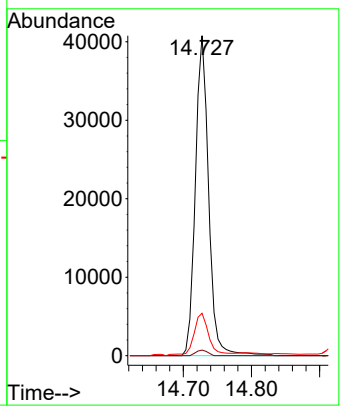




#85
Di-n-octyl phthalate
Concen: 10.526 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 5495

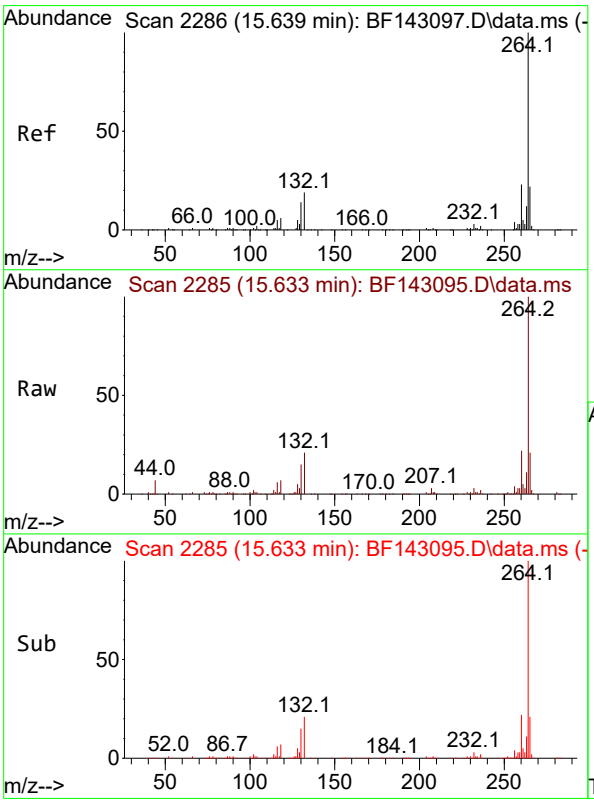
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

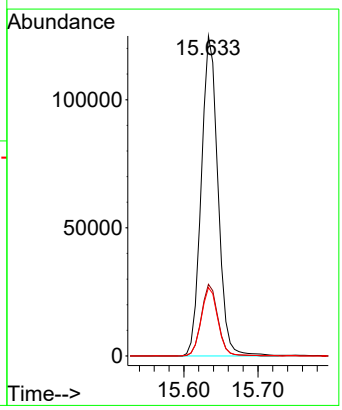
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

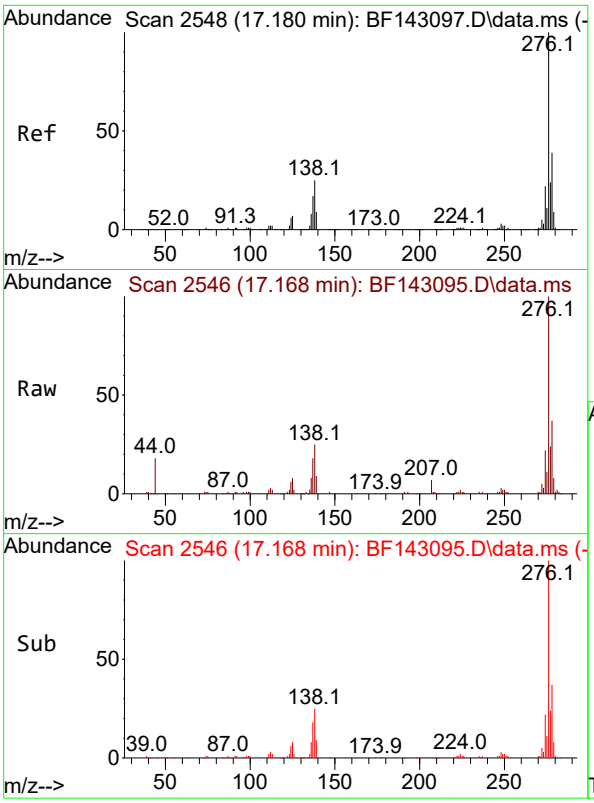


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:264 Resp: 195100

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	21.4	17.5	26.3

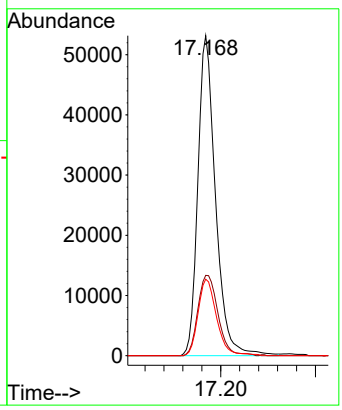




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.484 ng
RT: 17.168 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:276 Resp: 13762

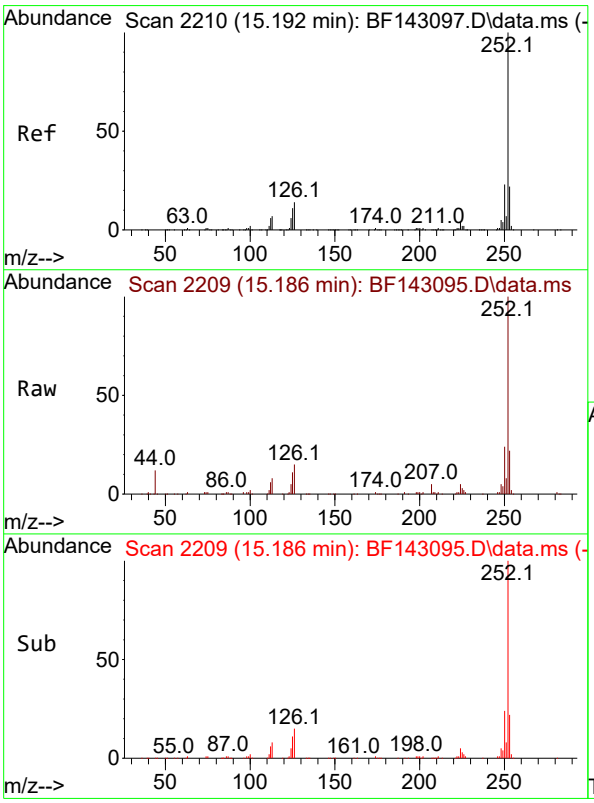
Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.6	34.0
277	25.1	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

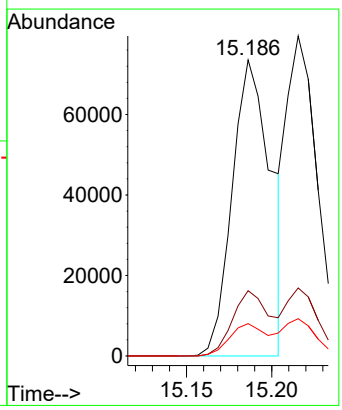
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

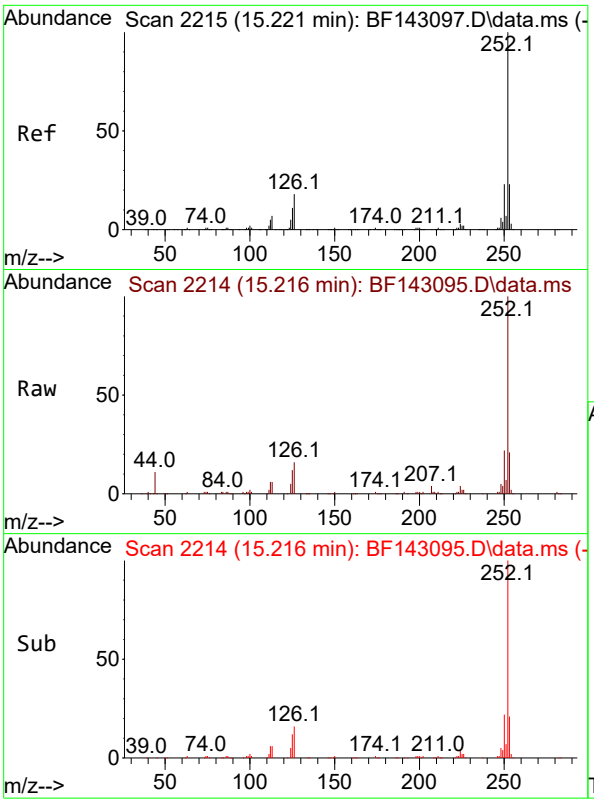


#88
Benzo(b)fluoranthene
Concen: 10.321 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 116154

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.9	8.6	13.0

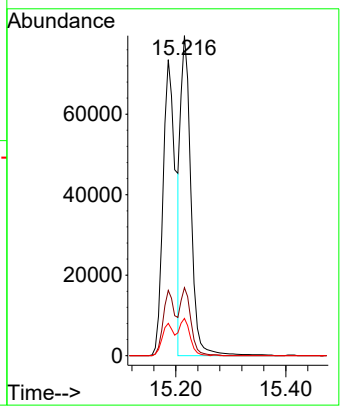




#89
Benzo(k)fluoranthene
Concen: 9.686 ng
RT: 15.216 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 10399

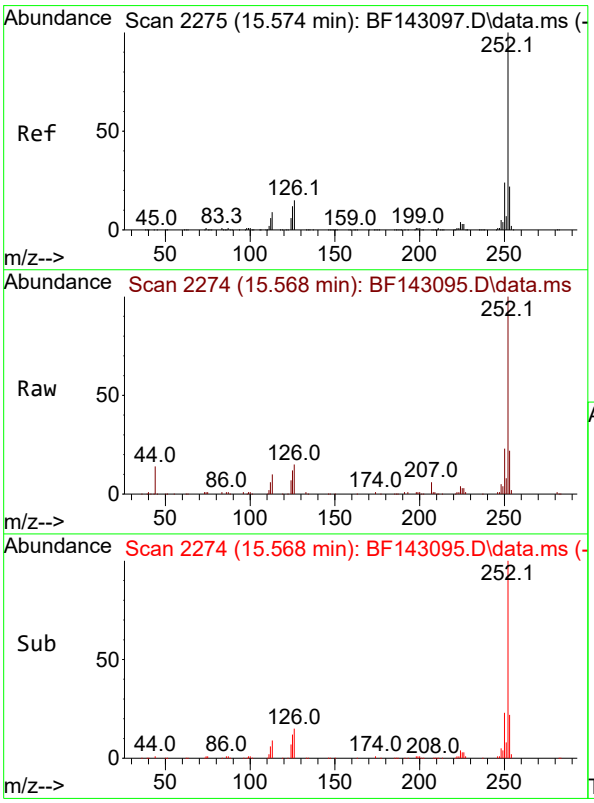
Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	11.6	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

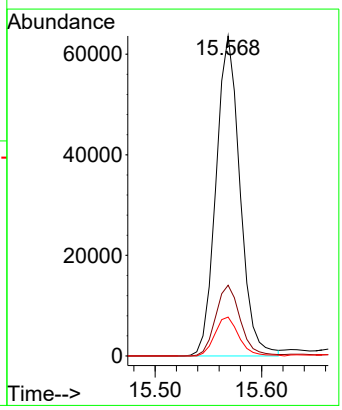
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

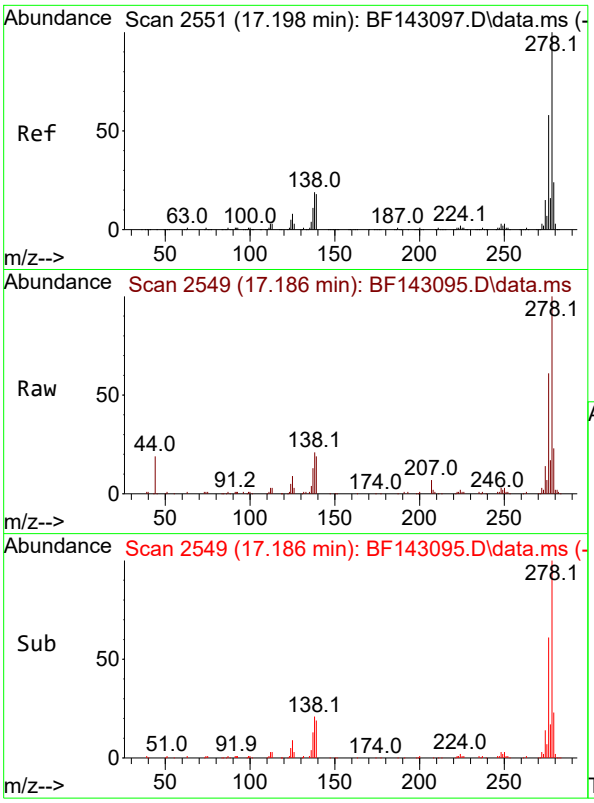


#90
Benzo(a)pyrene
Concen: 9.336 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 99366

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	12.1	9.4	14.0

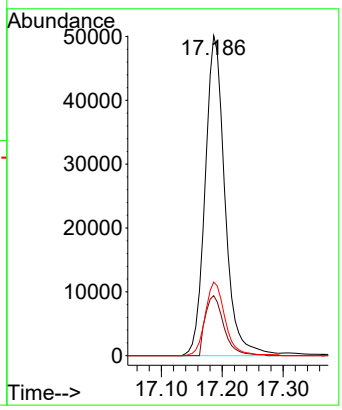




#91
Dibenzo(a,h)anthracene
Concen: 9.553 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:278 Resp: 11331

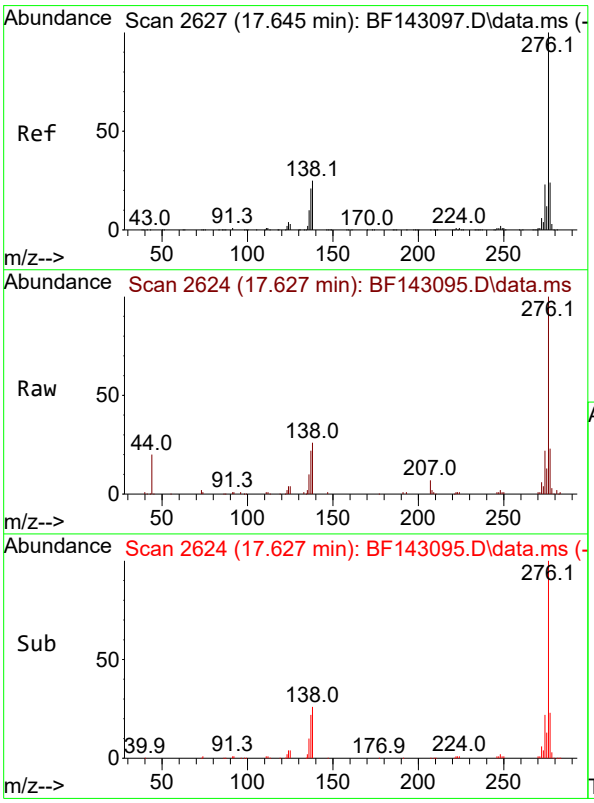
Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.6	22.0
279	23.0	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

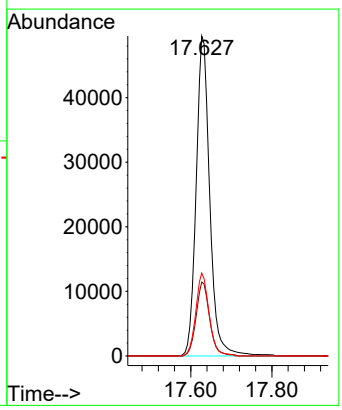
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 9.577 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:276 Resp: 115816

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	25.9	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	153233	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	579905	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	283300	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	451524	20.000	ng	0.00
76) Chrysene-d12	14.127	240	236667	20.000	ng	0.00
86) Perylene-d12	15.633	264	262419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	402974	41.549	ng	0.00
7) Phenol-d6	6.581	99	502651	41.231	ng	0.00
23) Nitrobenzene-d5	7.522	82	420674m	40.693	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	102277	40.489	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	907497	42.581	ng	0.00
79) Terphenyl-d14	13.074	244	680179	42.012	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	98010	20.301	ng	99
3) Pyridine	3.581	79	247677	20.259	ng	99
4) n-Nitrosodimethylamine	3.516	42	126355	19.948	ng	100
6) Aniline	6.628	93	349337	20.349	ng	100
8) 2-Chlorophenol	6.751	128	202437	20.775	ng	98
9) Benzaldehyde	6.516	77	176058	18.952	ng	99
10) Phenol	6.592	94	273102m	20.693	ng	
11) bis(2-Chloroethyl)ether	6.692	93	209360	20.491	ng	98
12) 1,3-Dichlorobenzene	6.910	146	225218	20.458	ng	99
13) 1,4-Dichlorobenzene	6.987	146	230409	20.804	ng	99
14) 1,2-Dichlorobenzene	7.139	146	219102	20.745	ng	99
15) Benzyl Alcohol	7.098	79	184535	20.428	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	387425	20.571	ng	100
17) 2-Methylphenol	7.204	107	172219	20.480	ng	99
18) Hexachloroethane	7.486	117	74466	20.654	ng	100
19) n-Nitroso-di-n-propyla...	7.369	70	153555	20.559	ng	98
20) 3+4-Methylphenols	7.357	107	217393	21.080	ng	91
22) Acetophenone	7.369	105	289716	20.725	ng	98
24) Nitrobenzene	7.539	77	206781	20.721	ng	98
25) Isophorone	7.781	82	404382	20.239	ng	100
26) 2-Nitrophenol	7.857	139	61544	18.099	ng	98
27) 2,4-Dimethylphenol	7.886	122	188840	20.363	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	252183	20.814	ng	99
29) 2,4-Dichlorophenol	8.098	162	154978	20.427	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	177770	20.647	ng	99
31) Naphthalene	8.269	128	601316	20.881	ng	100
32) Benzoic acid	7.963	122	64517m	18.587	ng	
33) 4-Chloroaniline	8.310	127	239869	20.714	ng	98
34) Hexachlorobutadiene	8.392	225	106359	20.655	ng	100
35) Caprolactam	8.657	113	45418	19.171	ng	98
36) 4-Chloro-3-methylphenol	8.781	107	171615	20.307	ng	99
37) 2-Methylnaphthalene	8.963	142	356378	20.744	ng	100
38) 1-Methylnaphthalene	9.063	142	365700	20.524	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	170678	20.673	ng	98
41) Hexachlorocyclopentadiene	9.122	237	86596	18.918	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	106780	20.815	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	110466	20.537	ng	99
46) 1,1'-Biphenyl	9.422	154	473419	20.955	ng	100
47) 2-Chloronaphthalene	9.451	162	341636	20.584	ng	100
48) 2-Nitroaniline	9.533	65	83805	18.969	ng	99
49) Acenaphthylene	9.863	152	576265	20.837	ng	100
50) Dimethylphthalate	9.716	163	366019	20.536	ng	100
51) 2,6-Dinitrotoluene	9.775	165	62776	19.583	ng	96
52) Acenaphthene	10.039	154	332427	20.369	ng	100
53) 3-Nitroaniline	9.939	138	80094	20.797	ng	100
54) 2,4-Dinitrophenol	10.045	184	15826	19.749	ng	71
55) Dibenzofuran	10.210	168	505784	20.792	ng	100
56) 4-Nitrophenol	10.086	139	57072	18.647	ng	98
57) 2,4-Dinitrotoluene	10.175	165	71762	18.561	ng	95
58) Fluorene	10.551	166	376169	20.626	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	85620	20.030	ng	98
60) Diethylphthalate	10.422	149	356111	20.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	178641	20.436	ng	98
62) 4-Nitroaniline	10.551	138	67264	20.084	ng	98
63) Azobenzene	10.704	77	389419	20.478	ng	100
65) 4,6-Dinitro-2-methylph...	10.580	198	23973	19.643	ng	94
66) n-Nitrosodiphenylamine	10.657	169	332248	20.948	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	105446	20.535	ng	98
68) Hexachlorobenzene	11.104	284	111727	20.507	ng	98
69) Atrazine	11.180	200	83181	20.499	ng	99
70) Pentachlorophenol	11.292	266	56380	18.862	ng	98
71) Phenanthrene	11.516	178	501521	20.581	ng	99
72) Anthracene	11.569	178	508525	20.752	ng	100
73) Carbazole	11.716	167	455047	20.728	ng	99
74) Di-n-butylphthalate	12.051	149	412206	20.456	ng	99
75) Fluoranthene	12.704	202	455455	20.556	ng	100
77) Benzidine	12.816	184	186115	23.083	ng	99
78) Pyrene	12.933	202	462715	21.072	ng	99
80) Butylbenzylphthalate	13.545	149	73439	18.875	ng	96
81) Benzo(a)anthracene	14.115	228	332795	21.102	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	96174	21.000	ng	99
83) Chrysene	14.157	228	286610	19.732	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	113349	19.236	ng	98
85) Di-n-octyl phthalate	14.727	149	192002	19.817	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	400422	20.516	ng	99
88) Benzo(b)fluoranthene	15.186	252	307312	20.302	ng	99
89) Benzo(k)fluoranthene	15.215	252	291618	20.194	ng	99
90) Benzo(a)pyrene	15.568	252	290809	20.313	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	332152	20.818	ng	99
92) Benzo(g,h,i)perylene	17.639	276	331447	20.376	ng	99

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

ICAL Form

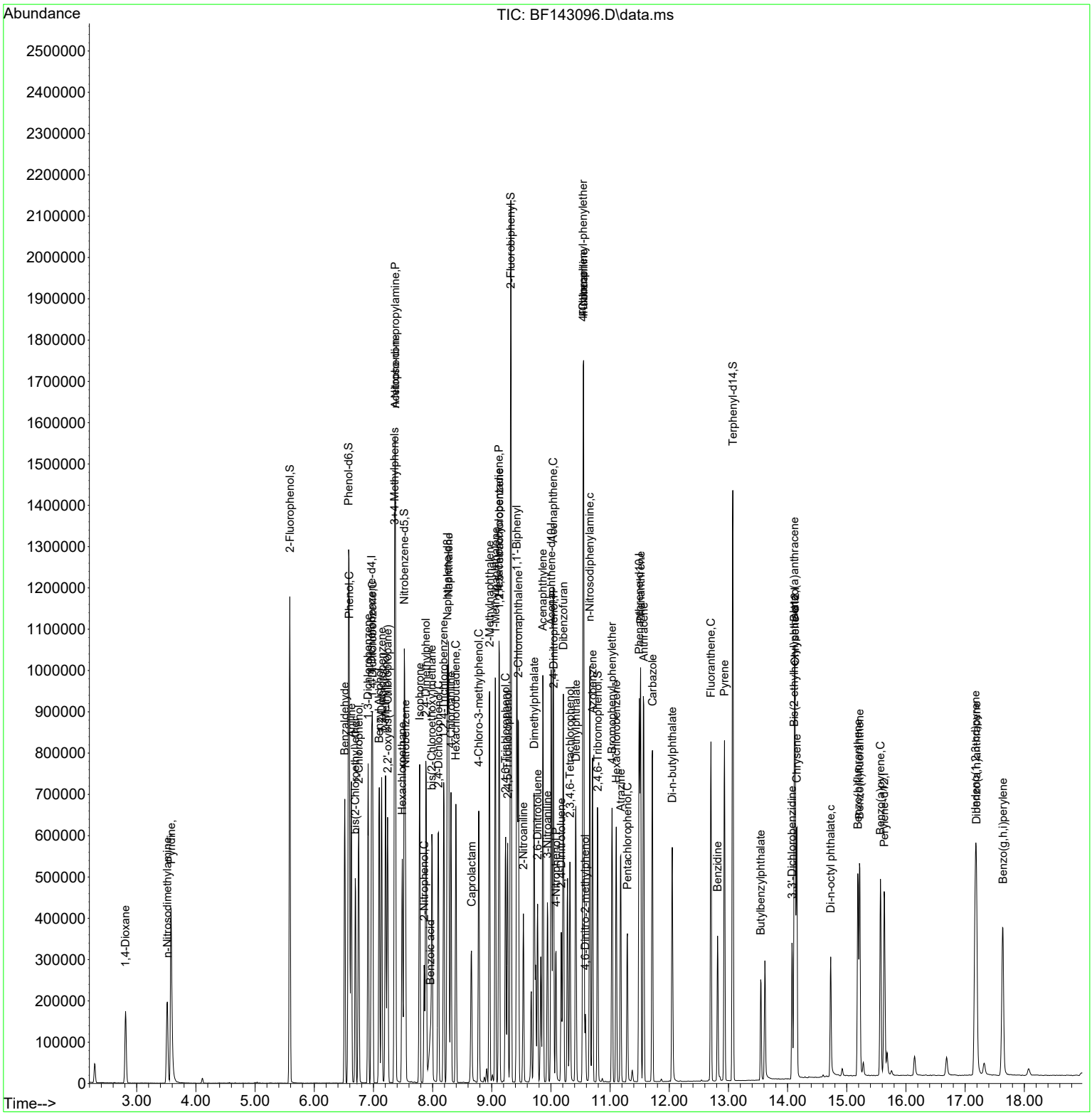
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

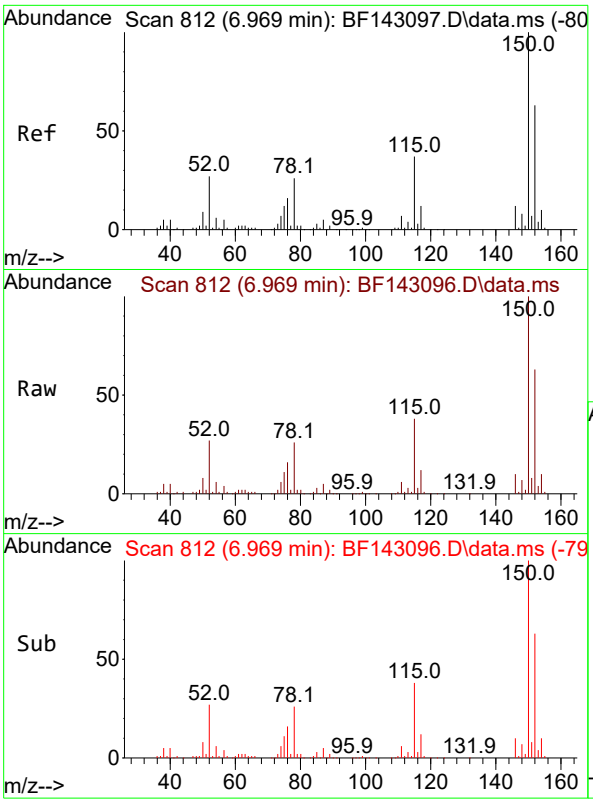
Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

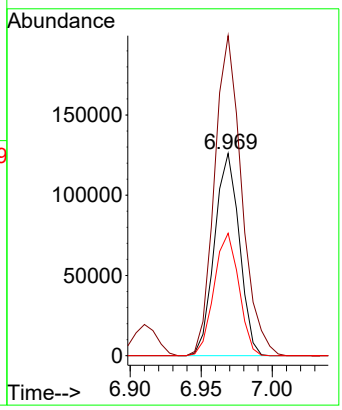




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:152 Resp: 15323

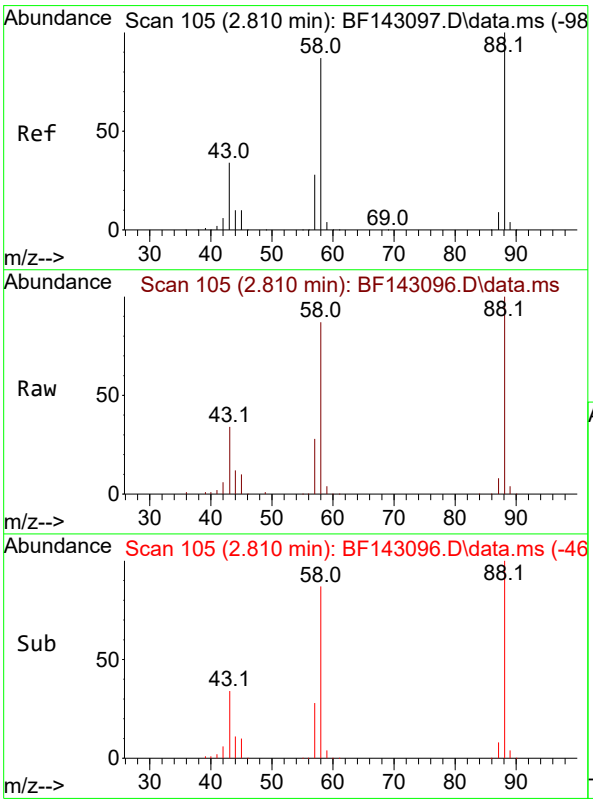
Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.5	189.7
115	60.6	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

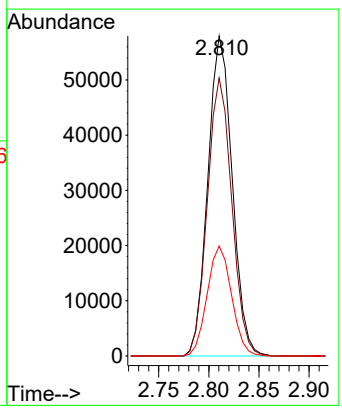
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

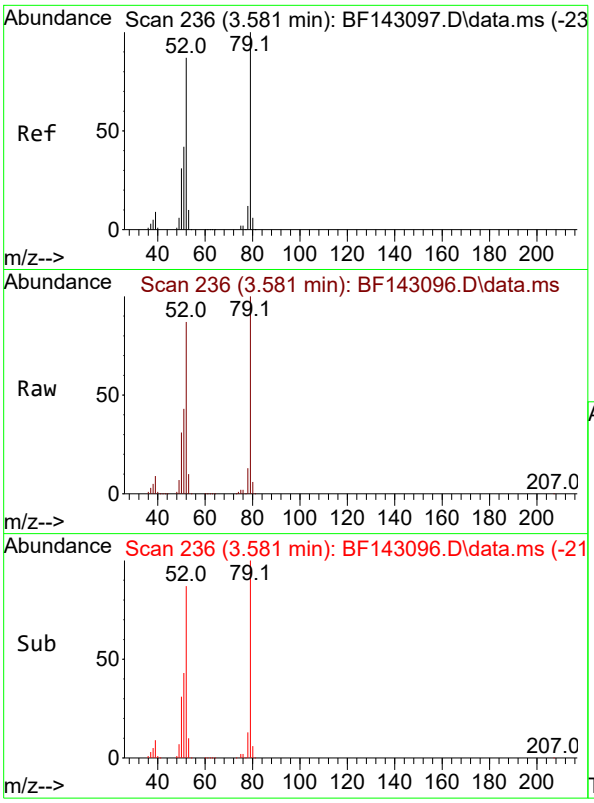


#2
1,4-Dioxane
Concen: 20.301 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 88 Resp: 98010

Ion	Ratio	Lower	Upper
88	100		
58	87.1	70.5	105.7
43	34.3	27.3	40.9

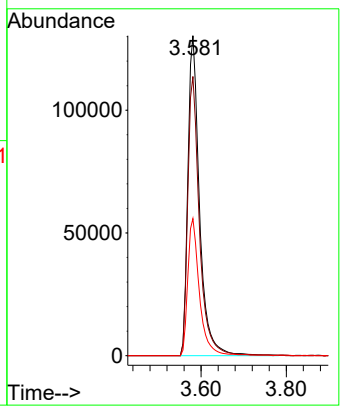




#3
Pyridine
Concen: 20.259 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 79 Resp: 24767

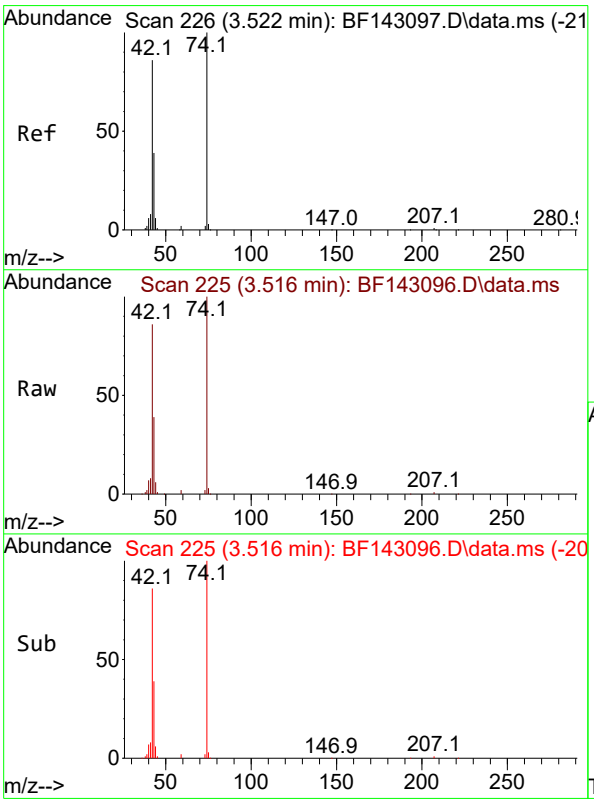
Ion	Ratio	Lower	Upper
79	100		
52	87.3	69.2	103.8
51	42.8	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

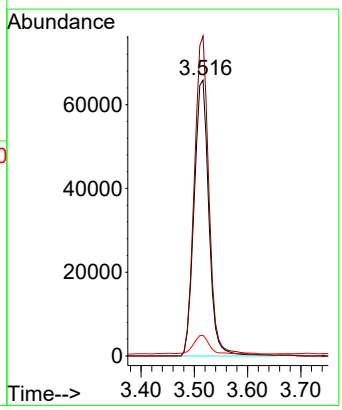
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

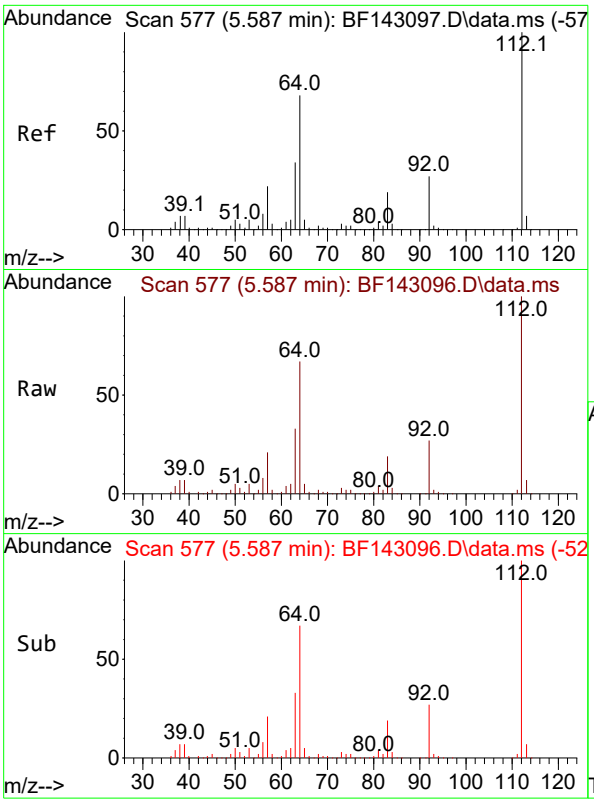


#4
n-Nitrosodimethylamine
Concen: 19.948 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 42 Resp: 126355

Ion	Ratio	Lower	Upper
42	100		
74	116.0	92.8	139.2
44	7.5	5.8	8.6

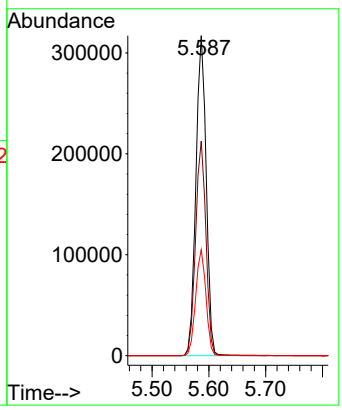




#5
2-Fluorophenol
Concen: 41.549 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:112 Resp: 40297

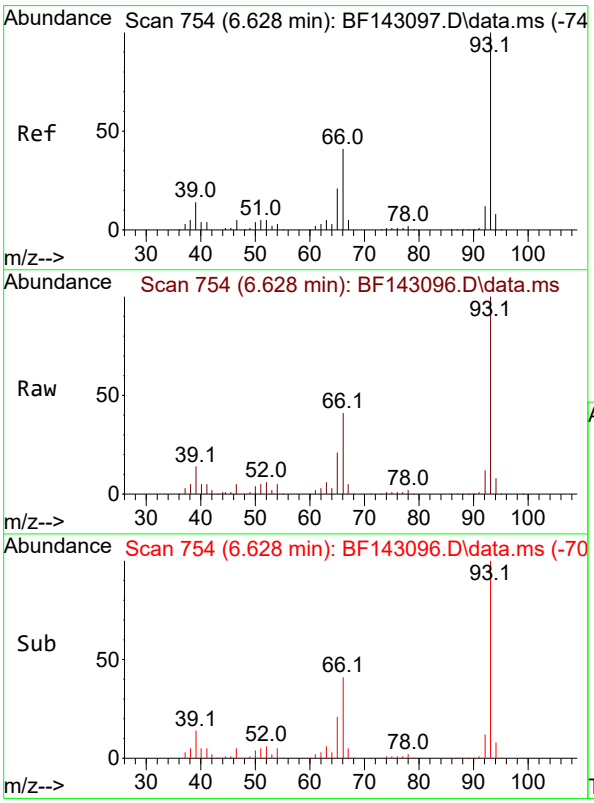
Ion	Ratio	Lower	Upper
112	100		
64	67.1	54.6	82.0
63	33.1	27.3	40.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

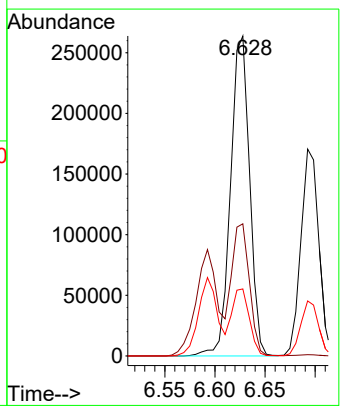
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

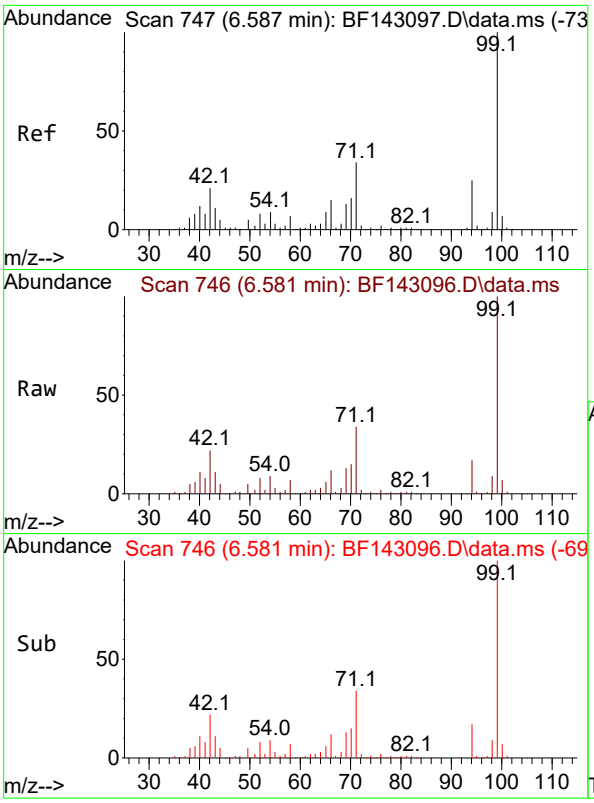


#6
Aniline
Concen: 20.349 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 349337

Ion	Ratio	Lower	Upper
93	100		
66	41.3	33.1	49.7
65	20.9	16.9	25.3

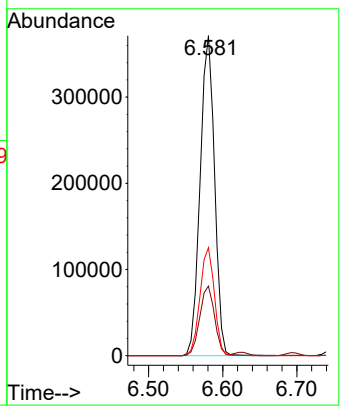




#7
Phenol-d6
Concen: 41.231 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 99 Resp: 50265

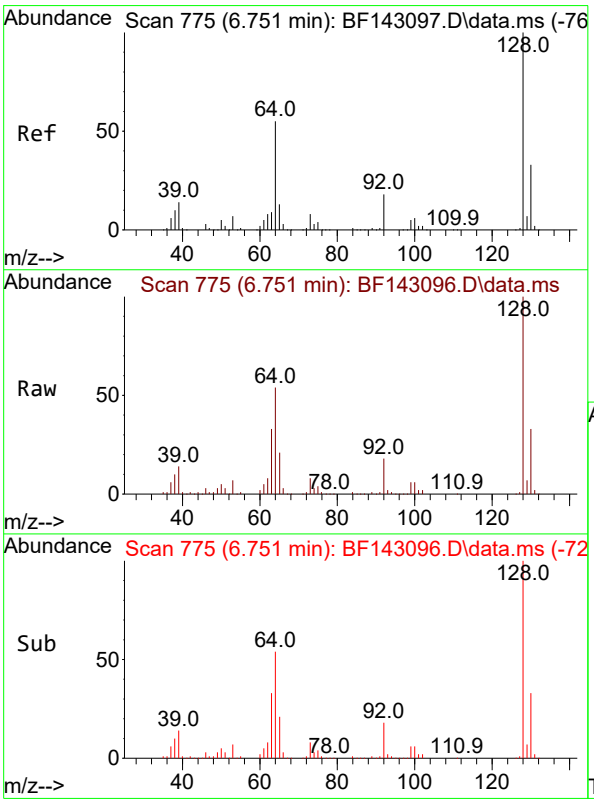
Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.2	25.8
71	33.8	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

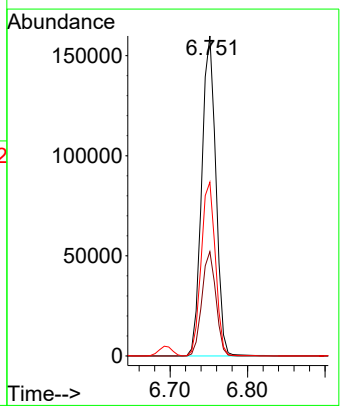
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

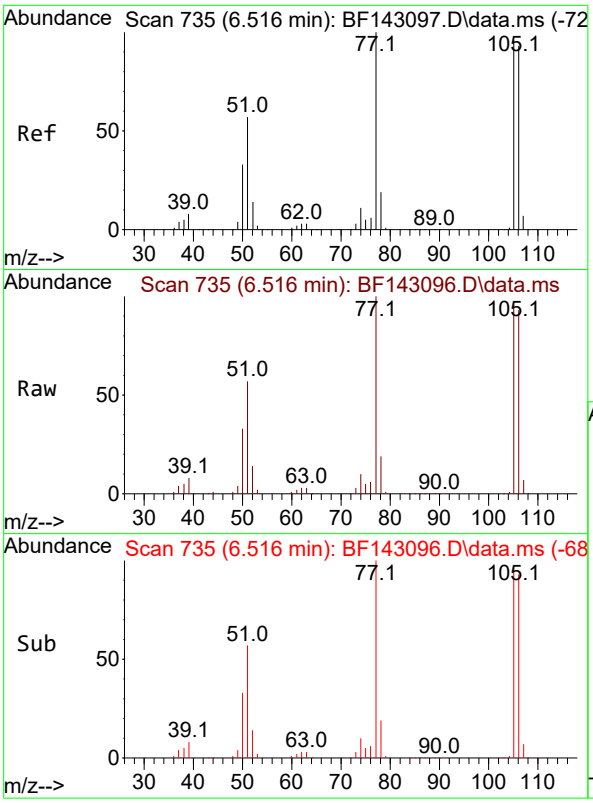


#8
2-Chlorophenol
Concen: 20.775 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:128 Resp: 202437

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	54.3	36.1	76.1

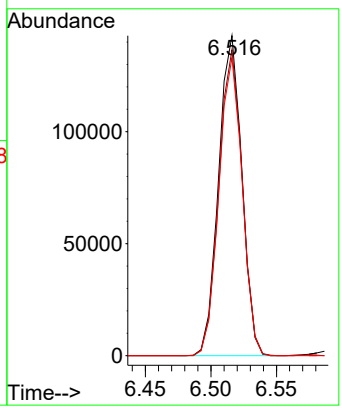




#9
Benzaldehyde
Concen: 18.952 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 17605

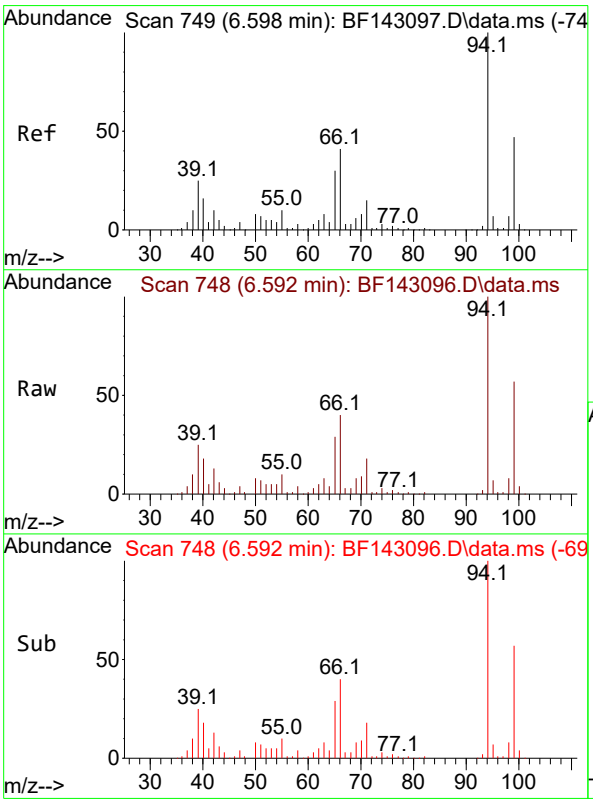
Ion	Ratio	Lower	Upper
77	100		
105	95.6	76.3	116.3
106	93.1	72.8	112.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

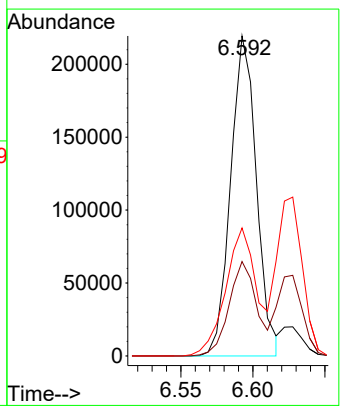
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

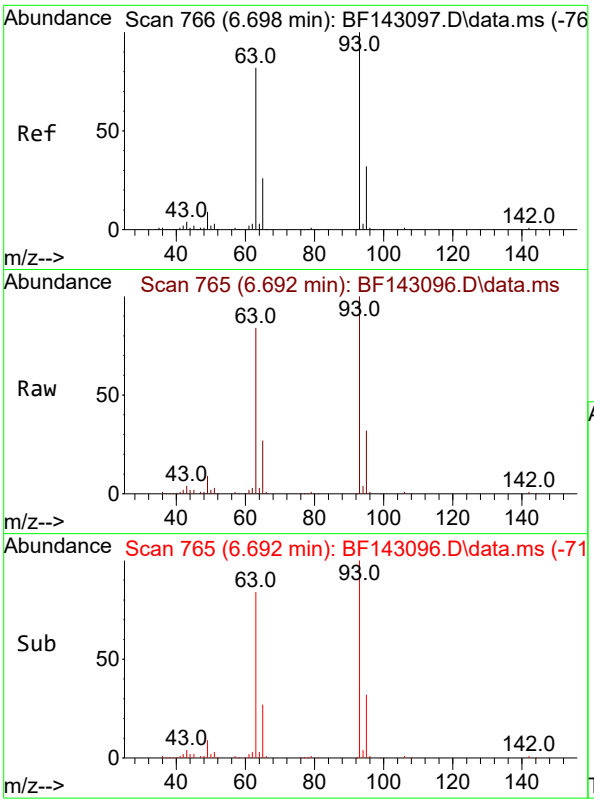


#10
Phenol
Concen: 20.693 ng m
RT: 6.592 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 94 Resp: 273102

Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.8	49.8
66	40.0	20.5	60.5

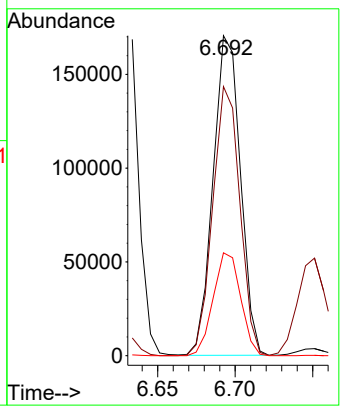




#11
bis(2-Chloroethyl)ether
Concen: 20.491 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 20936

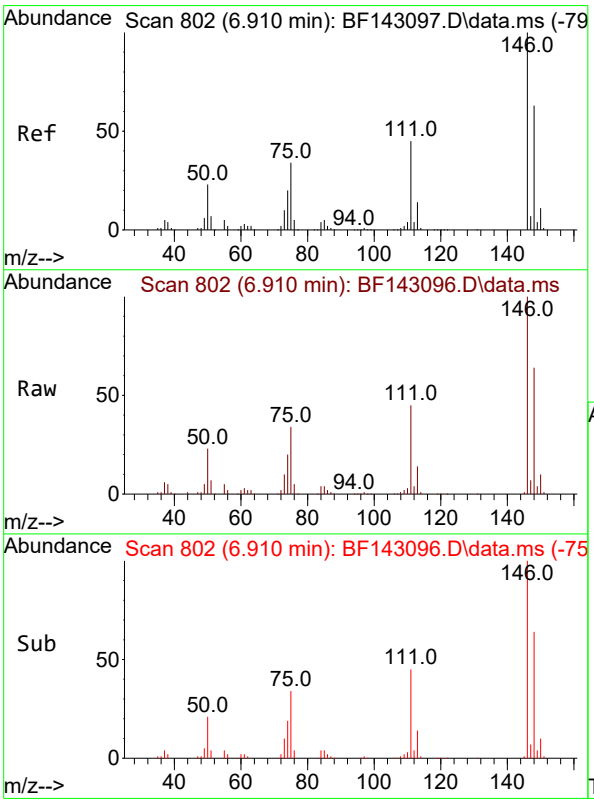
Ion	Ratio	Lower	Upper
93	100		
63	84.1	61.9	101.9
95	32.2	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

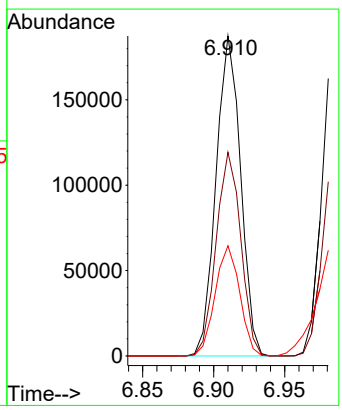
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

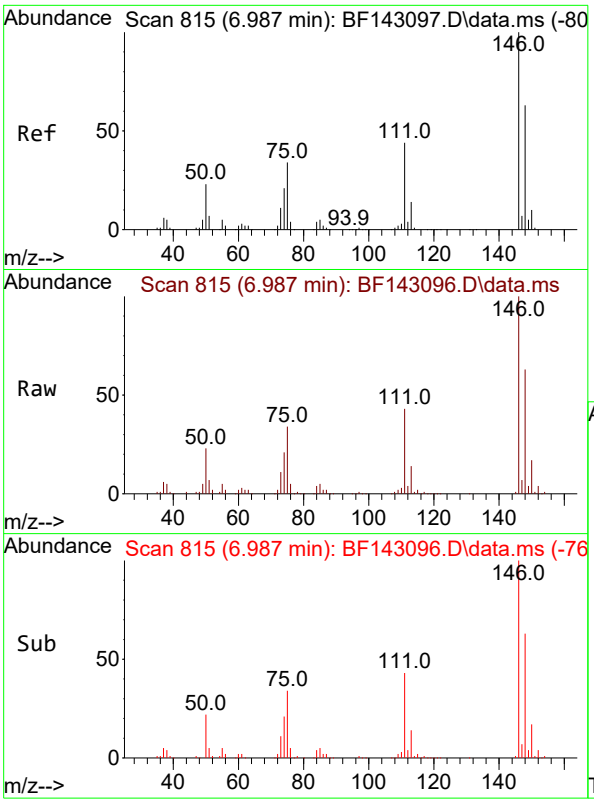


#12
1,3-Dichlorobenzene
Concen: 20.458 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 225218

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.1	75.1
75	34.5	27.4	41.0

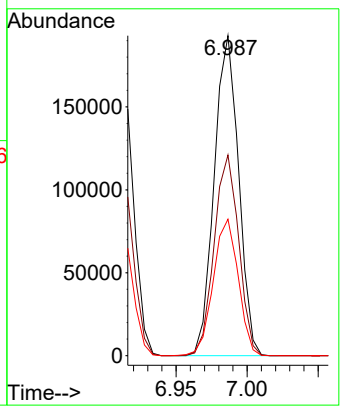




#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 23040

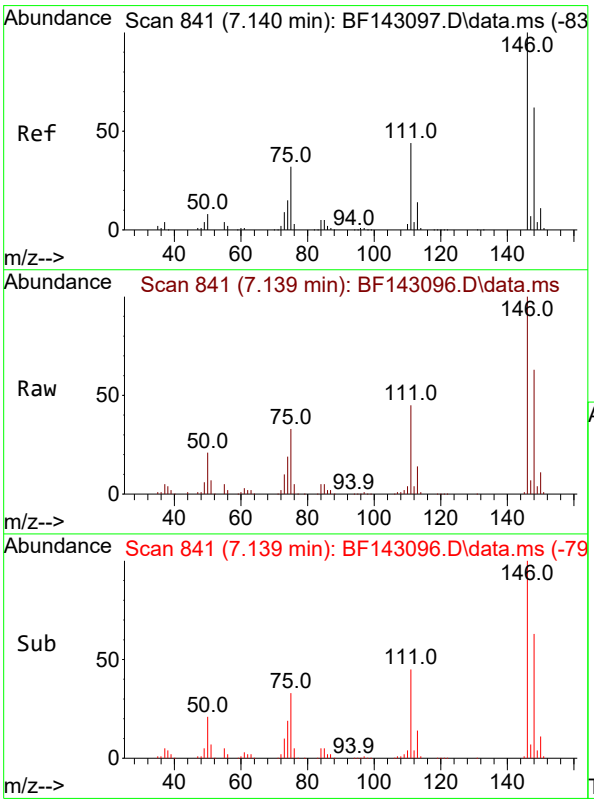
Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	76.0
111	42.7	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

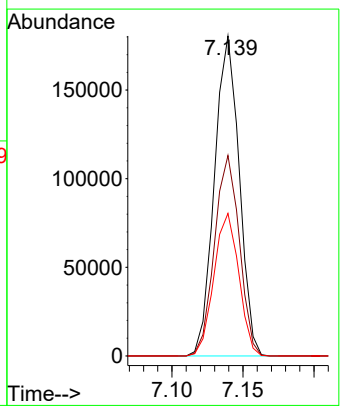
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

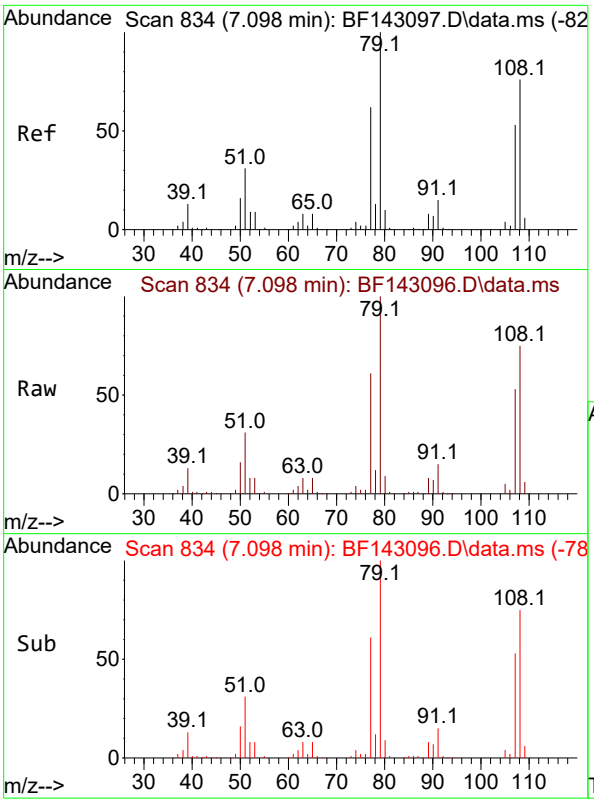


#14
1,2-Dichlorobenzene
Concen: 20.745 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 219102

Ion	Ratio	Lower	Upper
146	100		
148	62.6	49.8	74.6
111	44.5	35.4	53.0

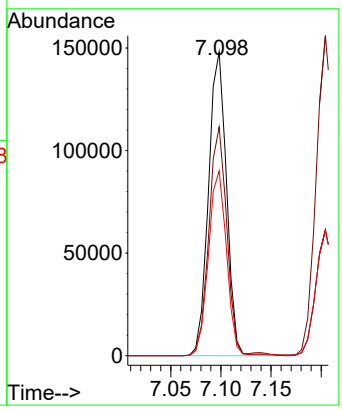




#15
Benzyl Alcohol
Concen: 20.428 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 79 Resp: 18453

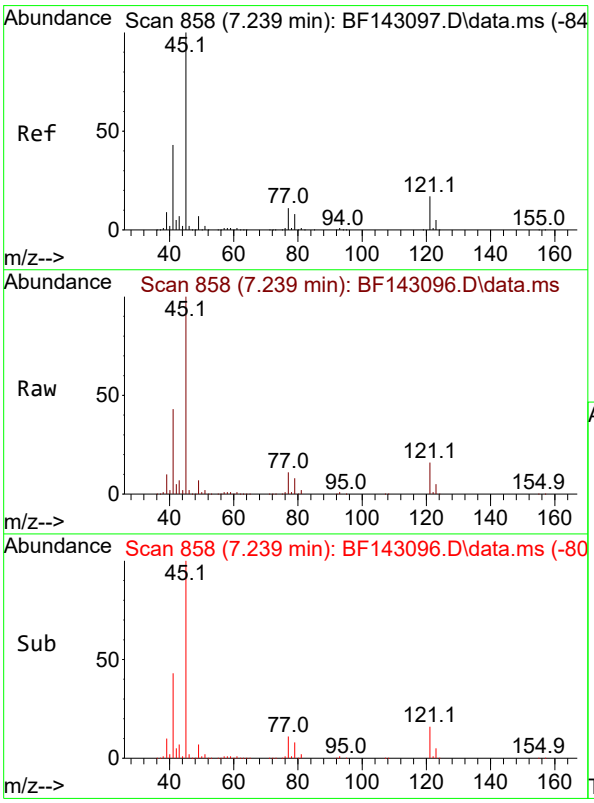
Ion	Ratio	Lower	Upper
79	100		
108	75.2	61.1	91.7
77	60.8	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

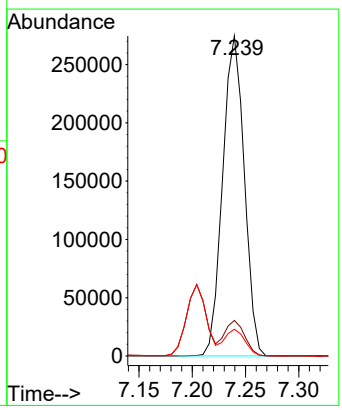
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

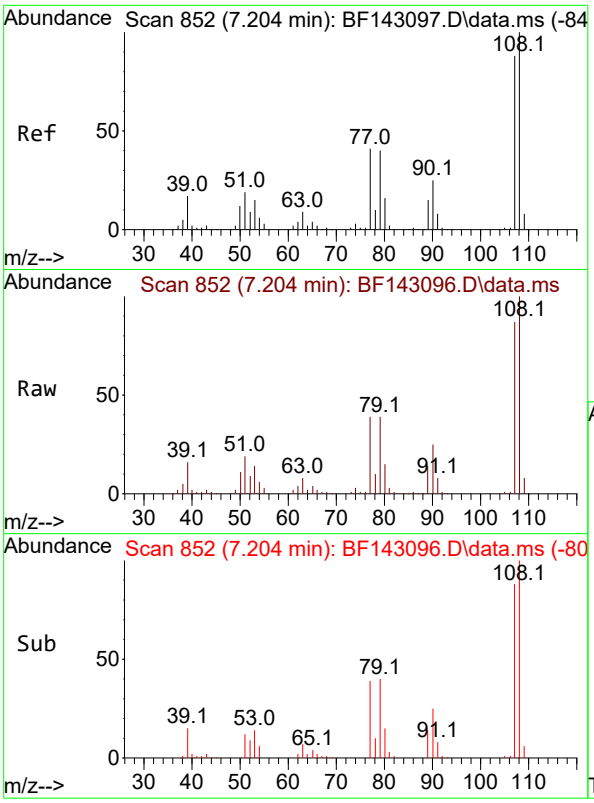


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.571 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 45 Resp: 387425

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.1
79	8.4	0.0	28.4

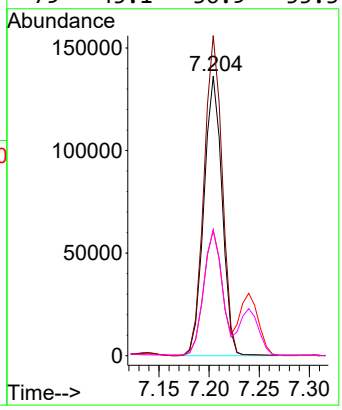




#17
2-Methylphenol
Concen: 20.480 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 17221

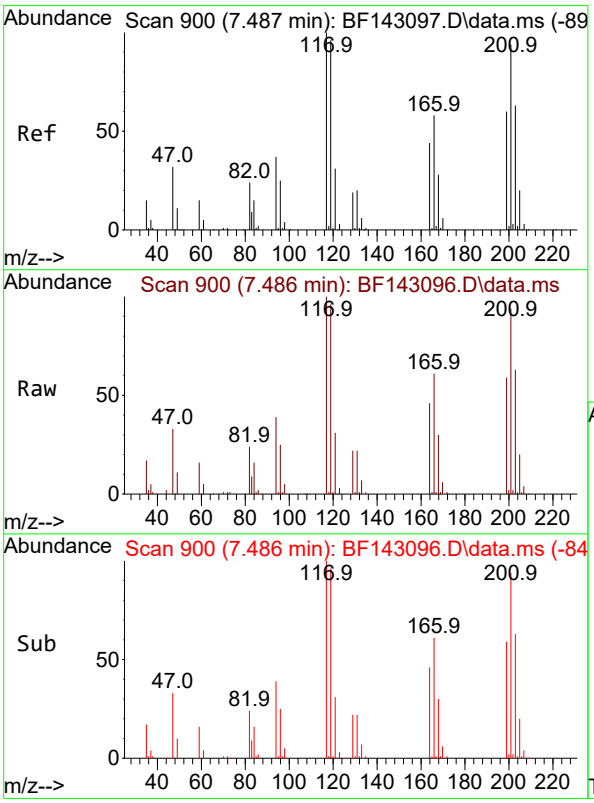
Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.9	136.3
77	44.9	37.5	56.3
79	45.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

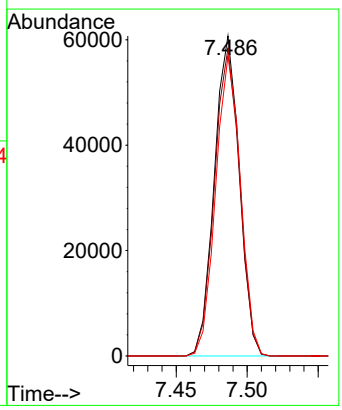
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

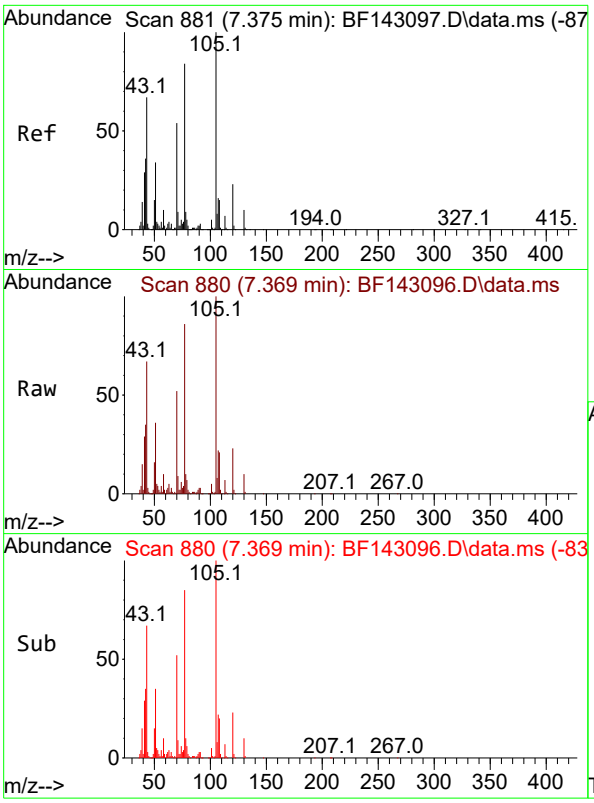


#18
Hexachloroethane
Concen: 20.654 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:117 Resp: 74466

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
201	93.7	75.0	112.4

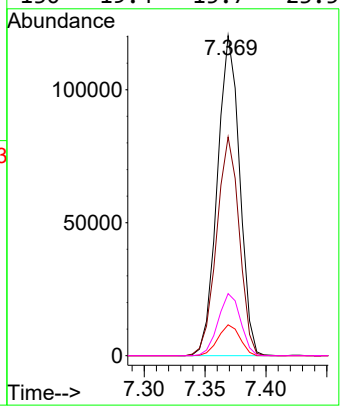




#19
n-Nitroso-di-n-propylamine
Concen: 20.559 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 70 Resp: 15355

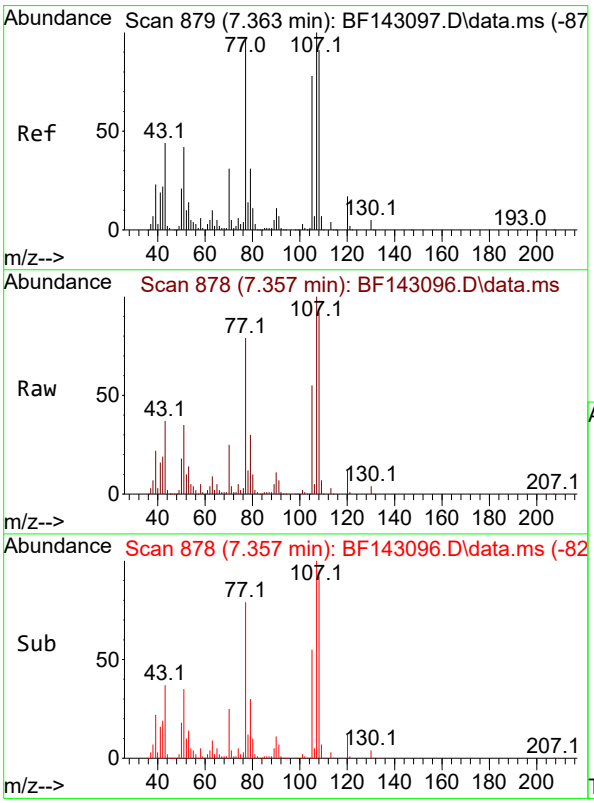
Ion	Ratio	Lower	Upper
70	100		
42	68.3	53.2	79.8
101	9.7	7.5	11.3
130	19.4	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

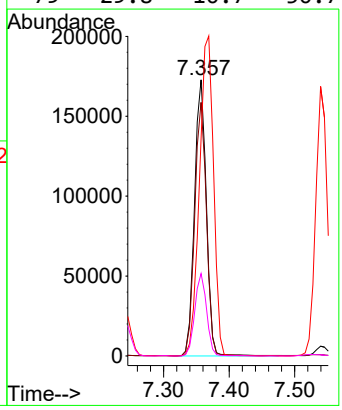
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

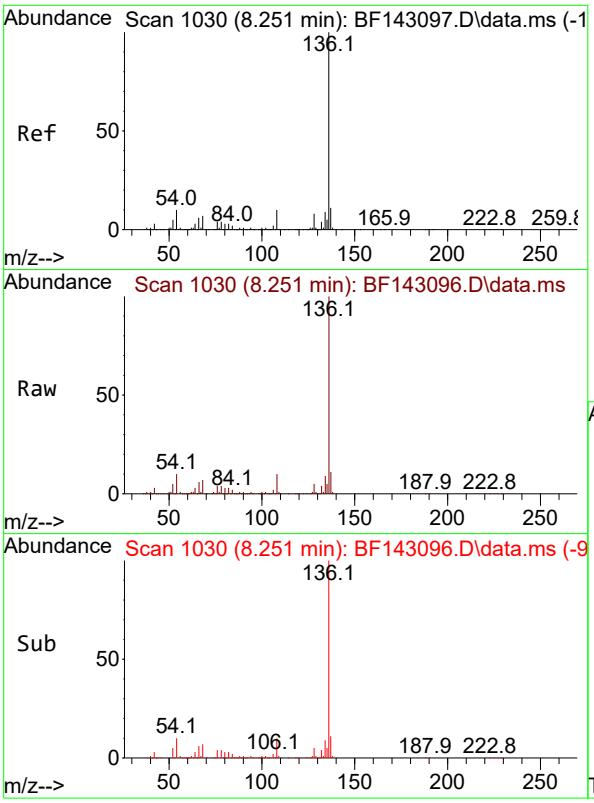


#20
3+4-Methylphenols
Concen: 21.080 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 217393

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.3	111.3
77	78.6	77.2	117.2
79	29.8	10.7	50.7

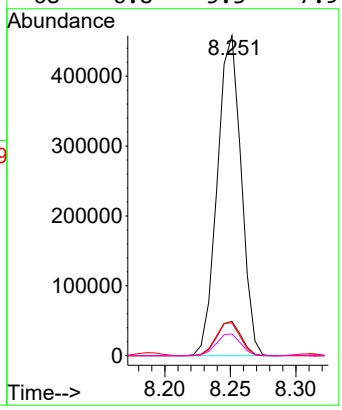




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:136 Resp: 57990

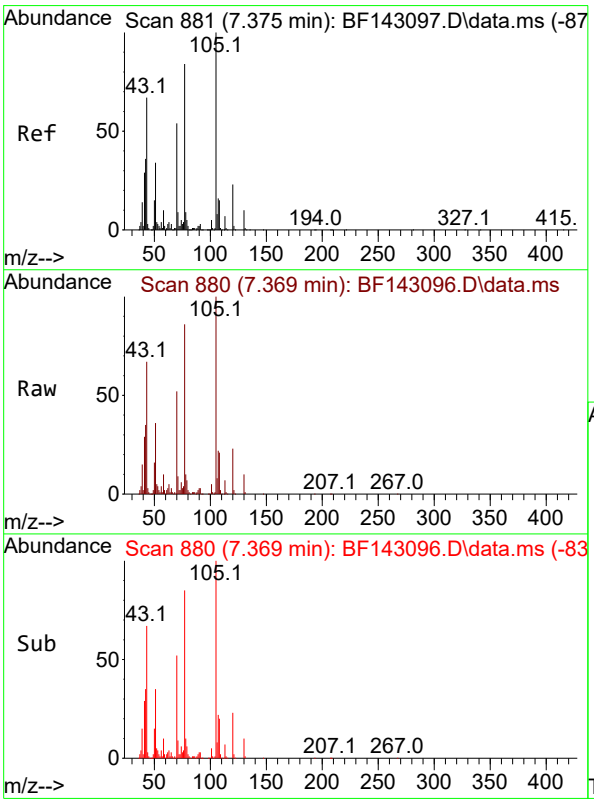
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.2	8.3	12.5
68	6.8	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

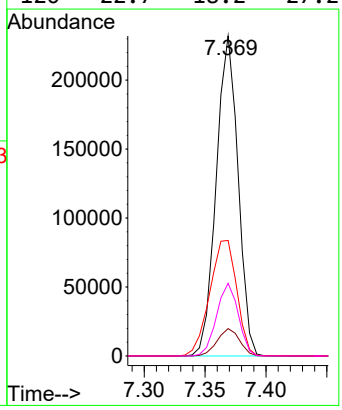
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

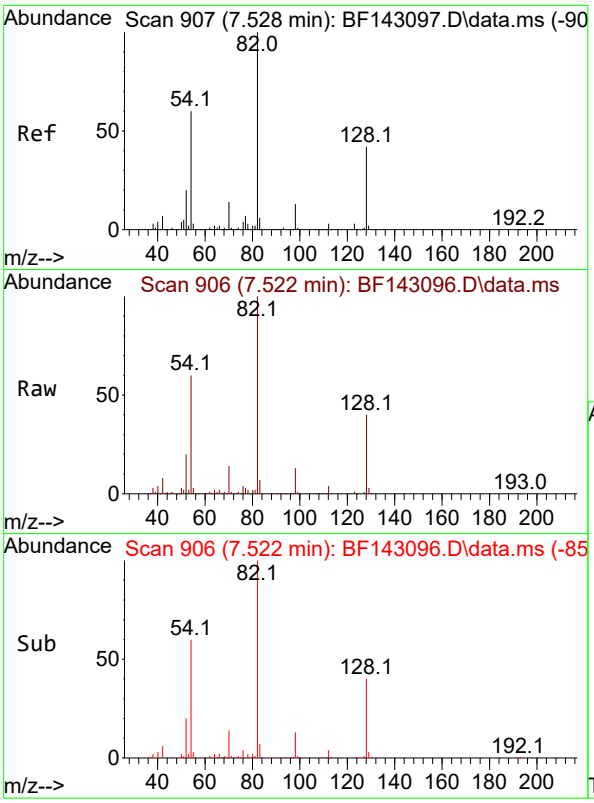


#22
Acetophenone
Concen: 20.725 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:105 Resp: 289716

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.2	10.8
51	36.1	27.0	40.4
120	22.7	18.2	27.2

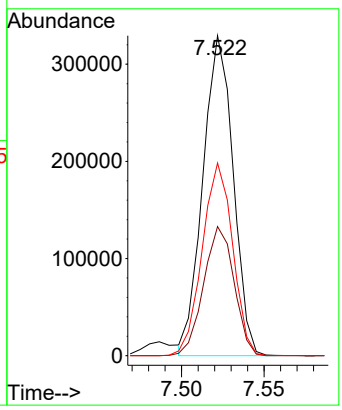




#23
Nitrobenzene-d5
Concen: 40.693 ng m
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 82 Resp: 42067

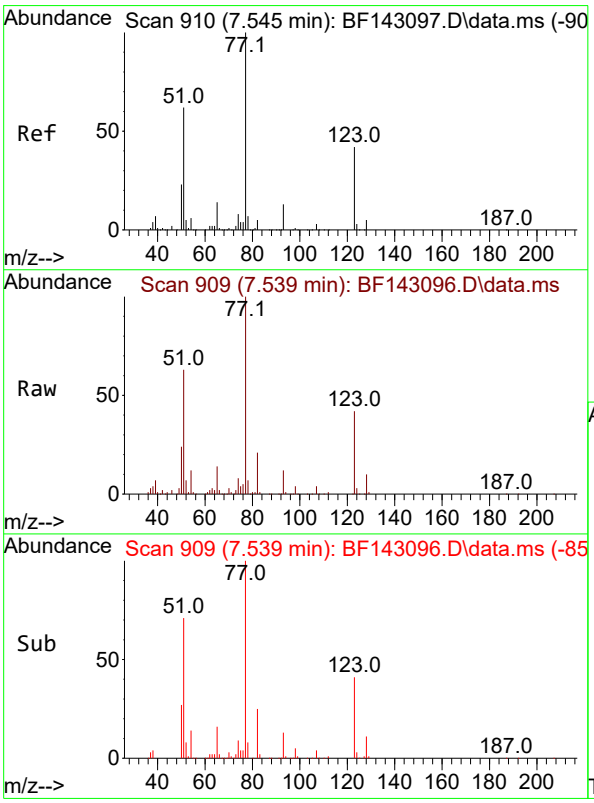
Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.3	49.9
54	60.2	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

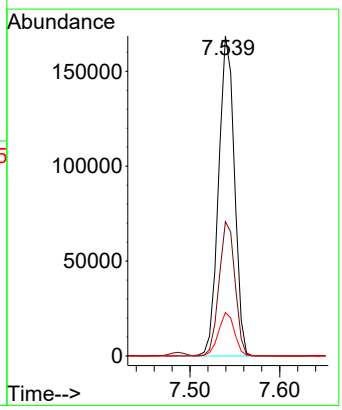
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

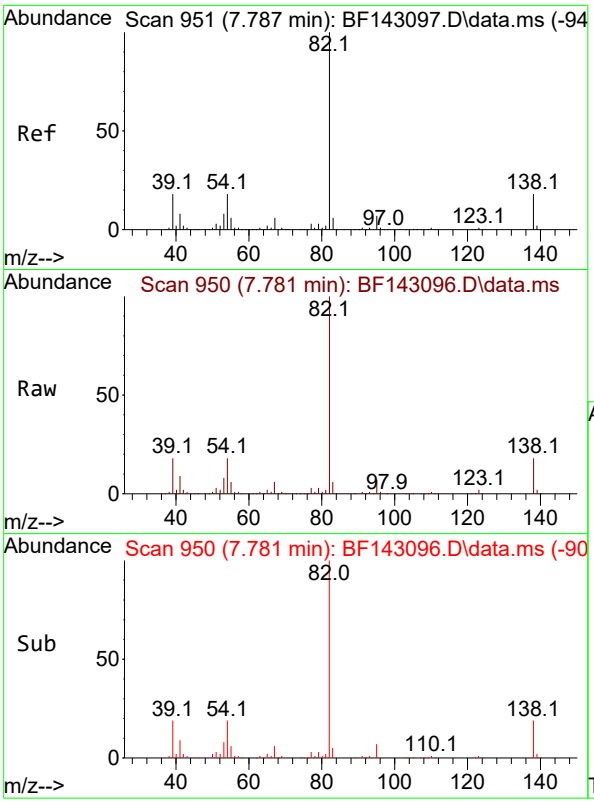


#24
Nitrobenzene
Concen: 20.721 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 206781

Ion	Ratio	Lower	Upper
77	100		
123	42.0	34.5	51.7
65	13.5	11.3	16.9

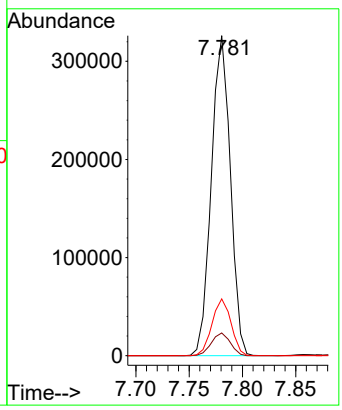




#25
Isophorone
Concen: 20.239 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 82 Resp: 40438

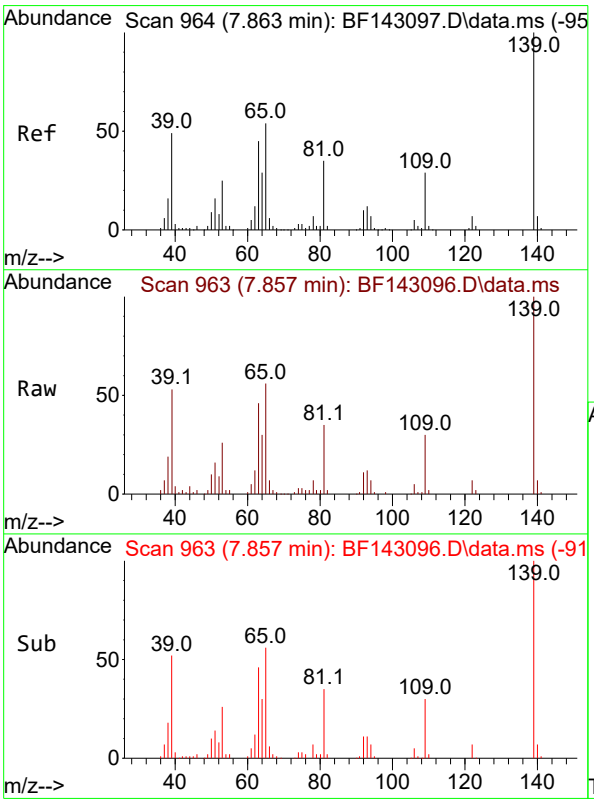
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	17.7	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

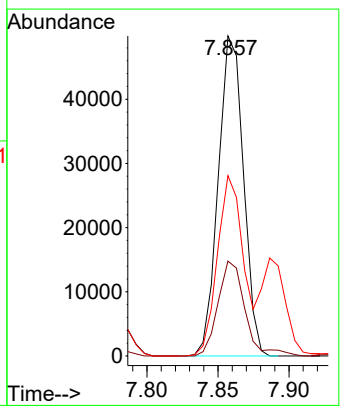
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

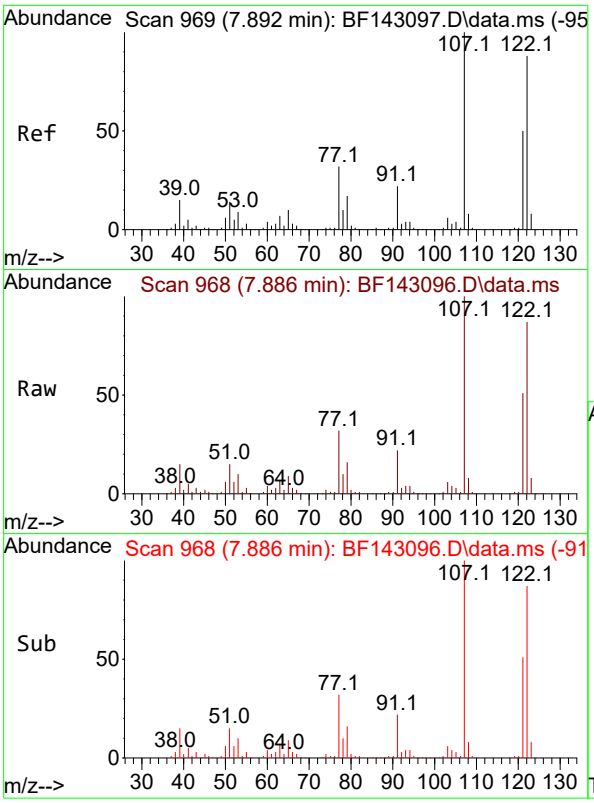


#26
2-Nitrophenol
Concen: 18.099 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 61544

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.4	35.0
65	56.3	43.4	65.2

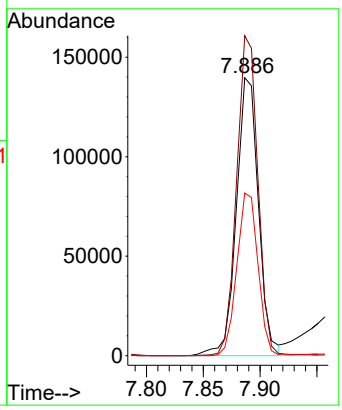




#27
2,4-Dimethylphenol
Concen: 20.363 ng
RT: 7.886 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:122 Resp: 18884

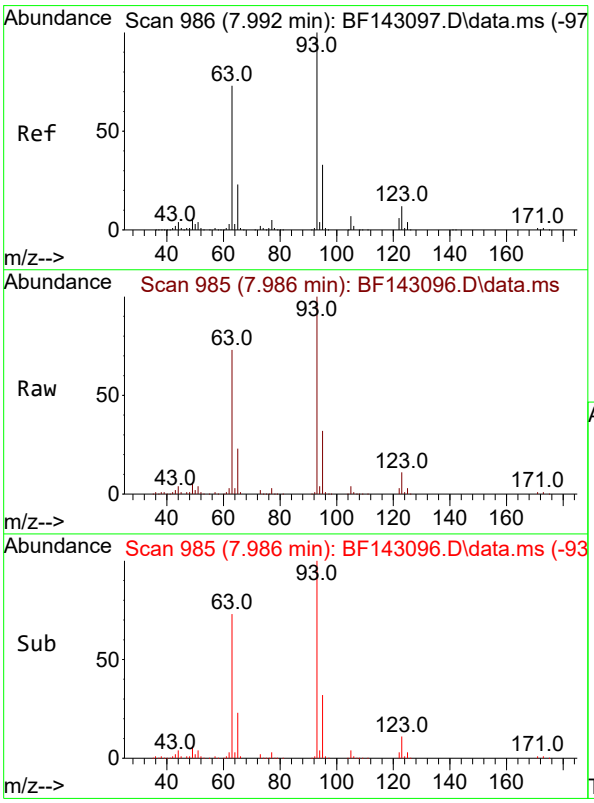
Ion	Ratio	Lower	Upper
122	100		
107	115.1	91.3	136.9
121	58.6	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

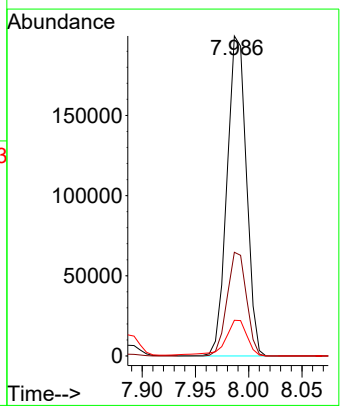
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

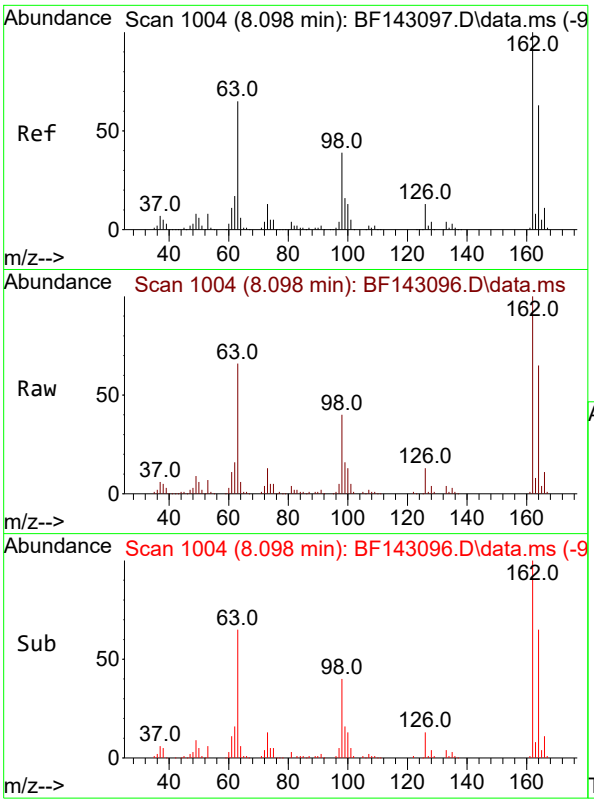


#28
bis(2-Chloroethoxy)methane
Concen: 20.814 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 252183

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.1	9.6	14.4





#29
2,4-Dichlorophenol
Concen: 20.427 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

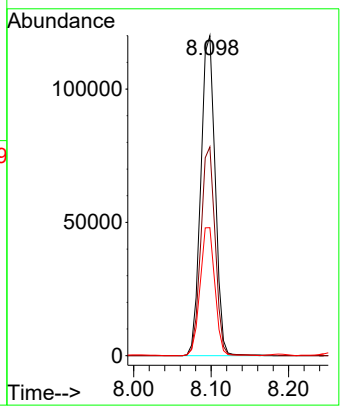
Tgt Ion:162 Resp: 15497

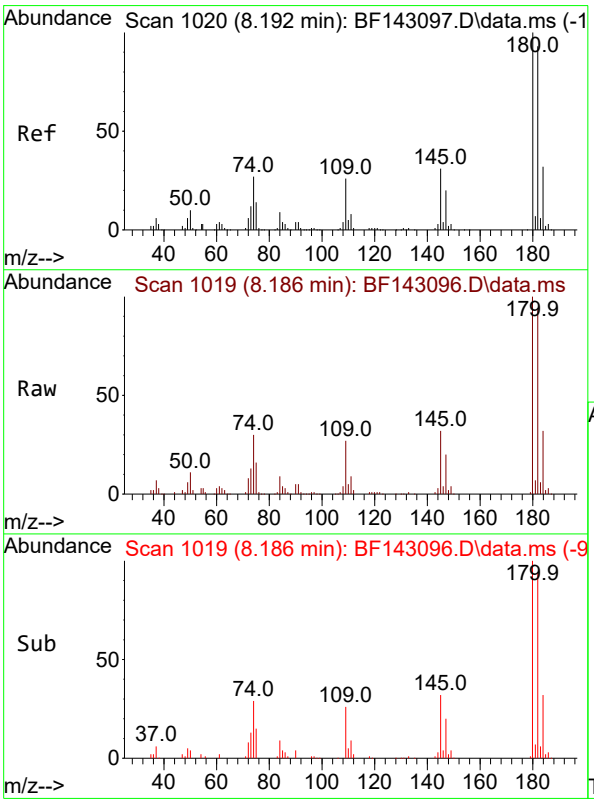
Ion	Ratio	Lower	Upper
162	100		
164	65.2	43.1	83.1
98	40.0	19.2	59.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

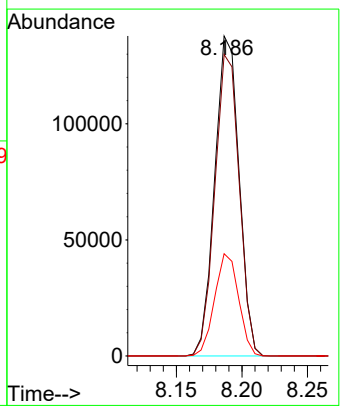


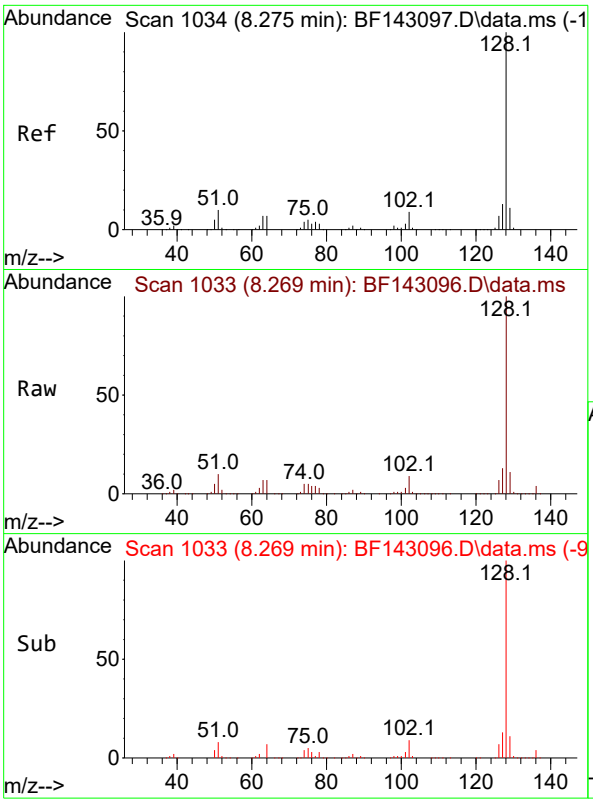


#30
1,2,4-Trichlorobenzene
Concen: 20.647 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:180 Resp: 177770

Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.7	112.1
145	31.9	24.5	36.7

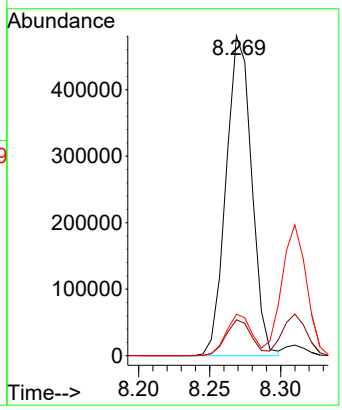




#31
Naphthalene
Concen: 20.881 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:128 Resp: 60131

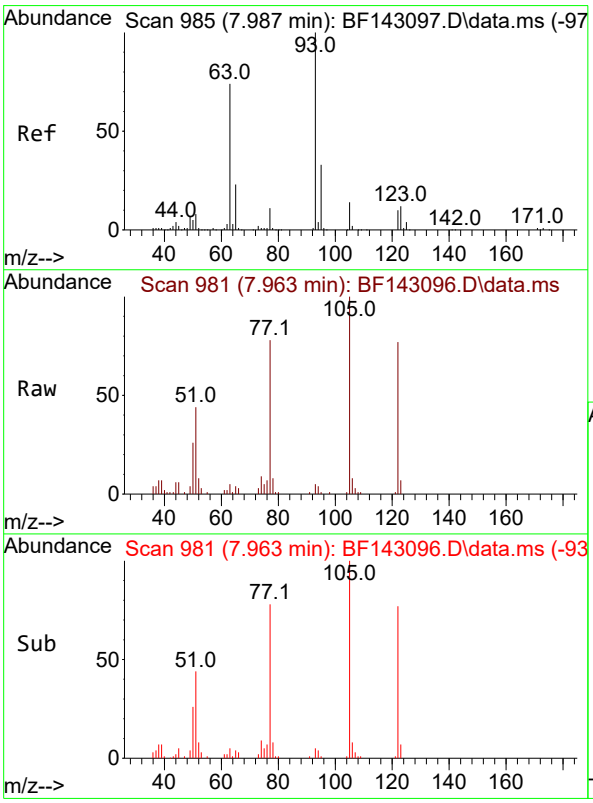
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.0	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

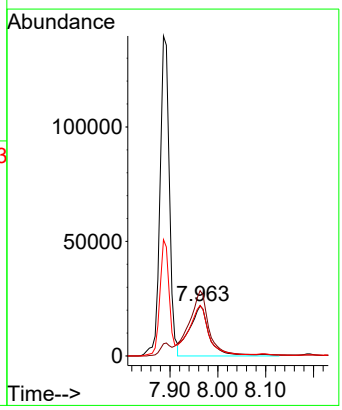
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

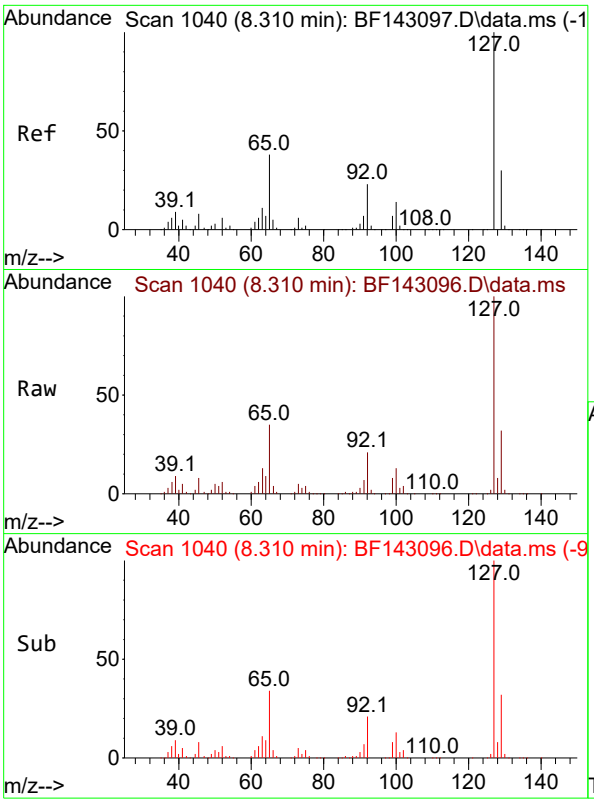


#32
Benzoic acid
Concen: 18.587 ng m
RT: 7.963 min Scan# 981
Delta R.T. -0.024 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:122 Resp: 64517

Ion	Ratio	Lower	Upper
122	100		
105	130.0	105.4	145.4
77	100.9	78.6	118.6

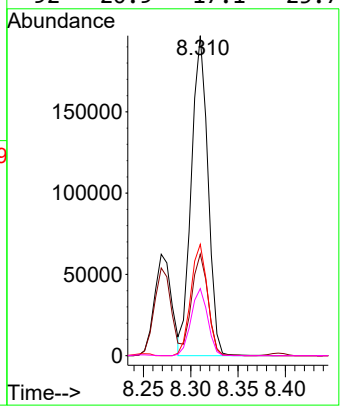




#33
4-Chloroaniline
Concen: 20.714 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:127 Resp: 23986

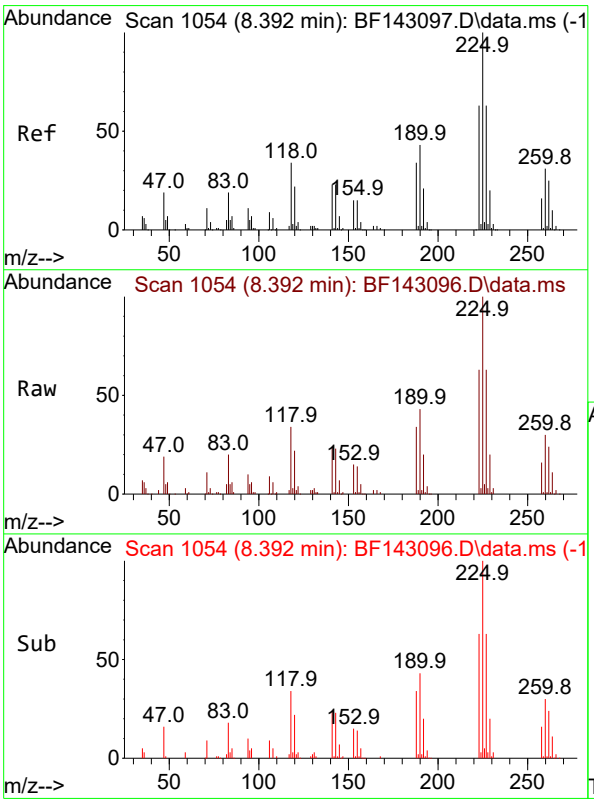
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	34.8	28.6	42.8
92	20.9	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

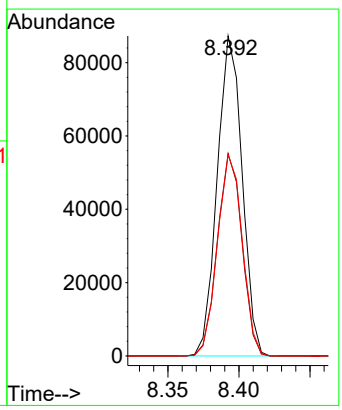
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

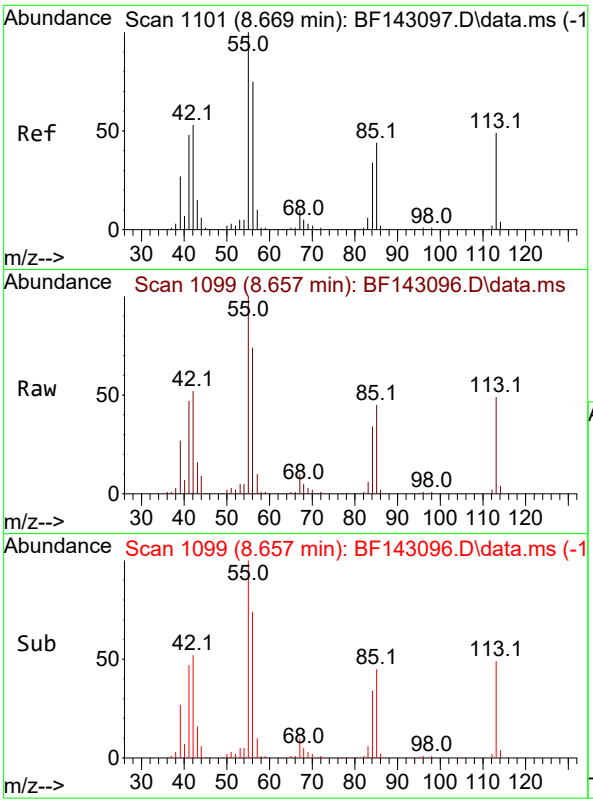


#34
Hexachlorobutadiene
Concen: 20.655 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:225 Resp: 106359

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	62.9	50.1	75.1

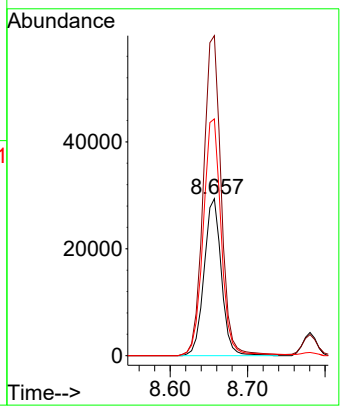




#35
Caprolactam
Concen: 19.171 ng
RT: 8.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:113 Resp: 4541

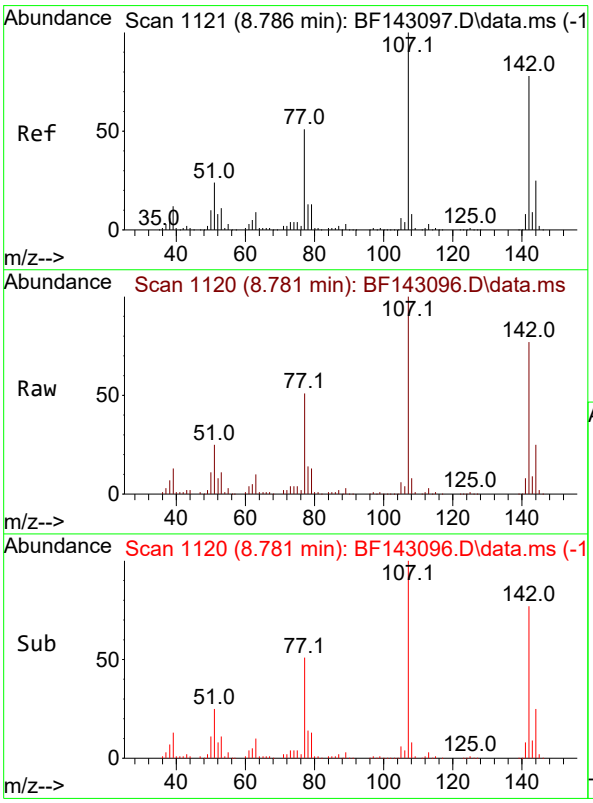
Ion	Ratio	Lower	Upper
113	100		
55	203.9	186.2	226.2
56	150.9	134.1	174.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

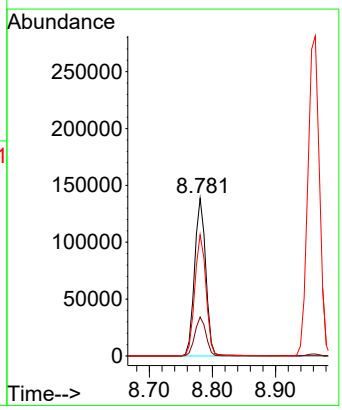
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

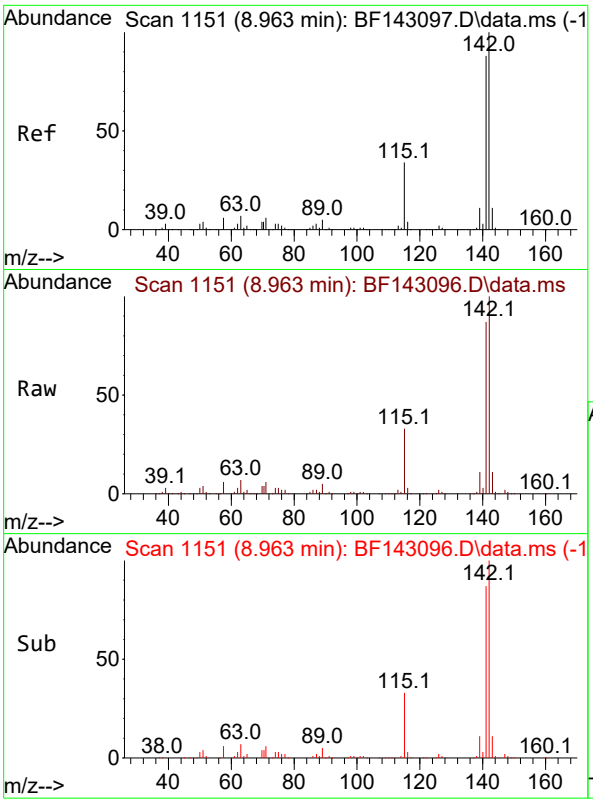


#36
4-Chloro-3-methylphenol
Concen: 20.307 ng
RT: 8.781 min Scan# 1120
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 171615

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.2	30.2
142	77.0	62.4	93.6





#37
2-Methylnaphthalene
Concen: 20.744 ng
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

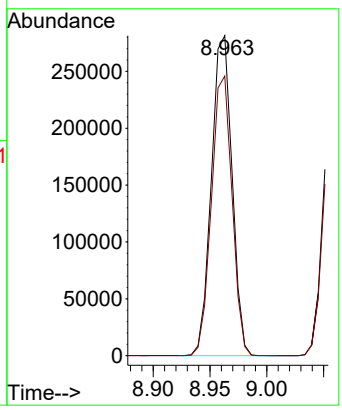
Tgt Ion:142 Resp: 35637

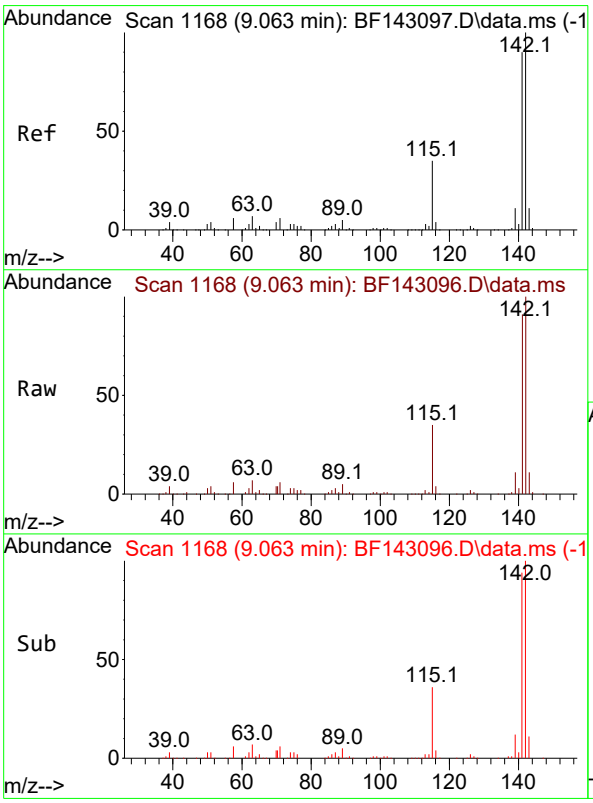
Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.2	105.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

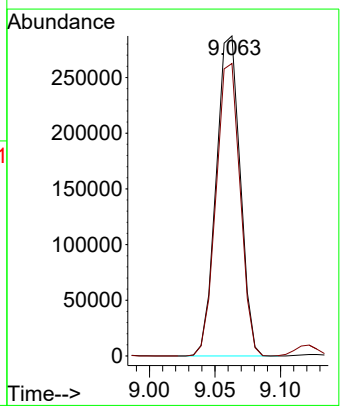


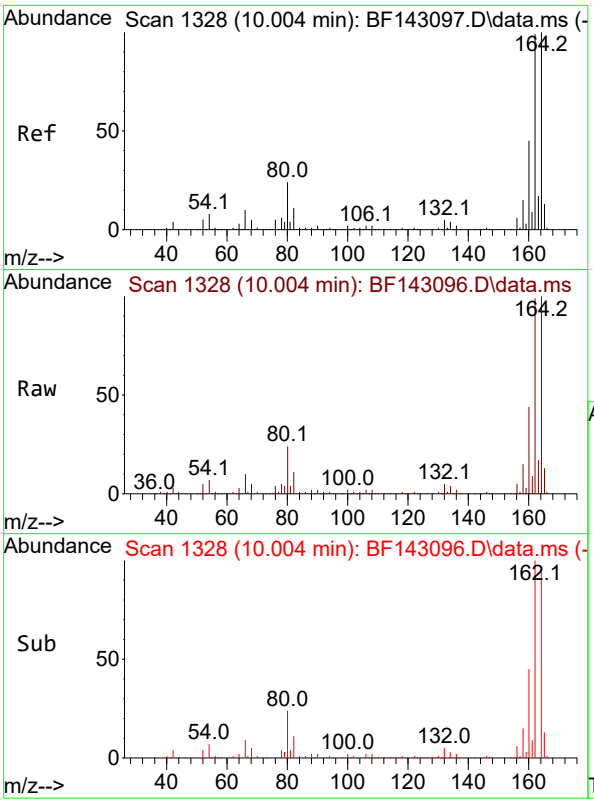


#38
1-Methylnaphthalene
Concen: 20.524 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:142 Resp: 365700

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.2	108.4

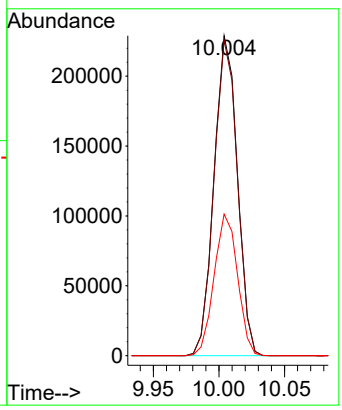




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:164 Resp: 28330

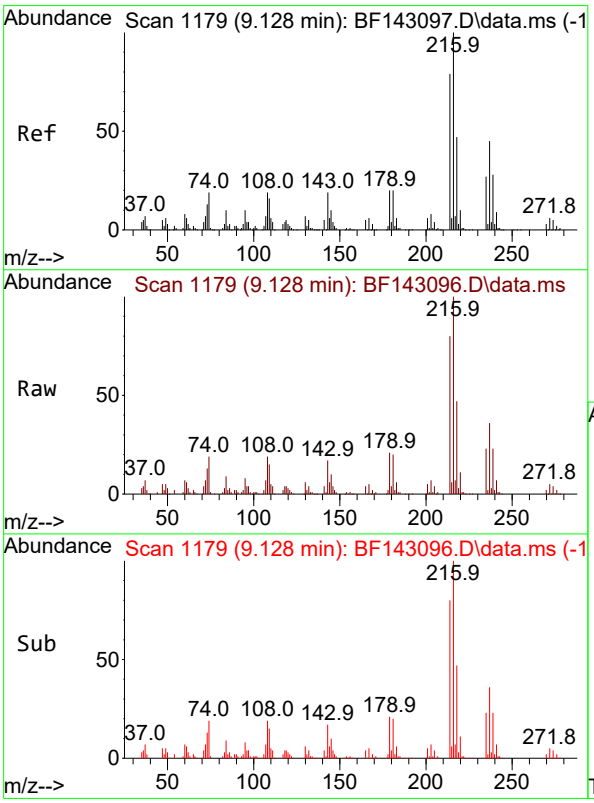
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.0	118.6
160	44.2	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

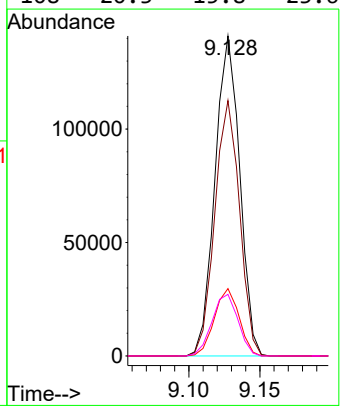
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

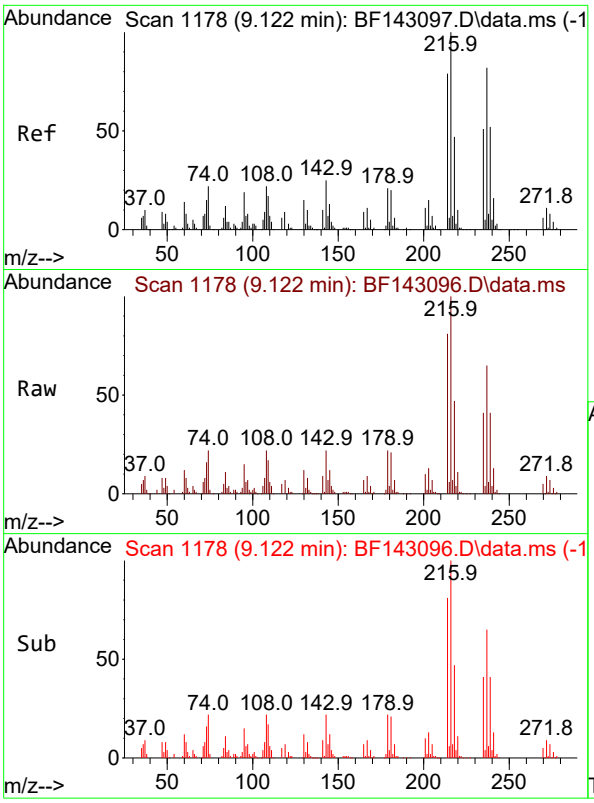


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.673 ng
RT: 9.128 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:216 Resp: 170678

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.6	94.0
179	21.1	16.2	24.2
108	20.3	15.8	23.6





#41
Hexachlorocyclopentadiene
Concen: 18.918 ng
RT: 9.122 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

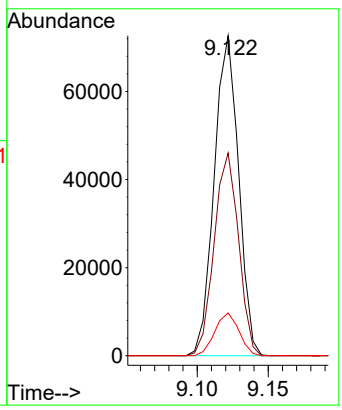
Tgt Ion:237 Resp: 8659

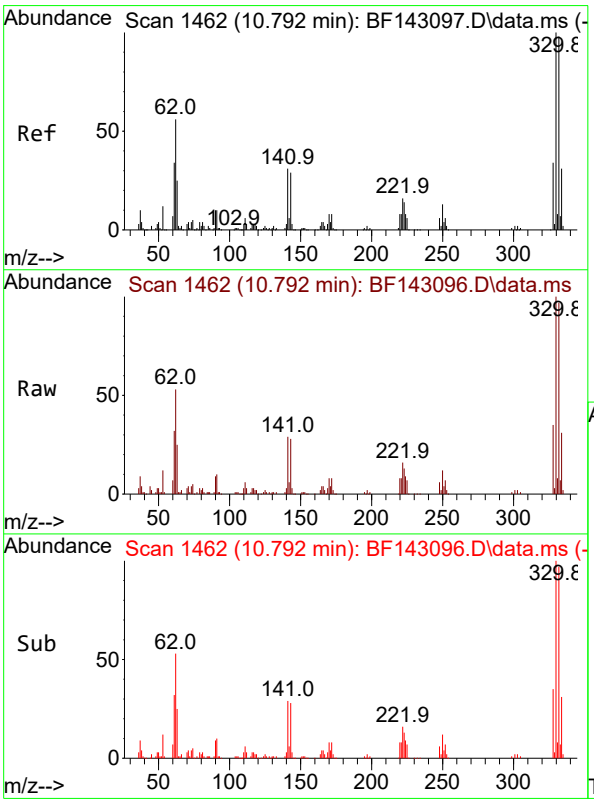
Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.6	81.6
272	13.4	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

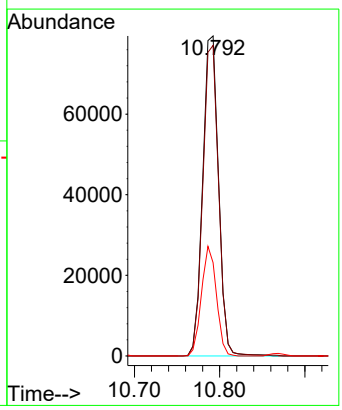


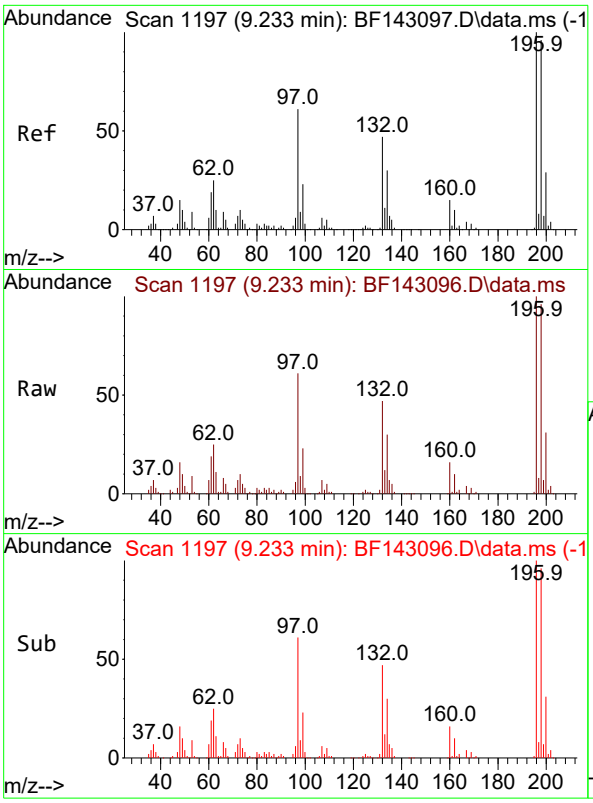


#42
2,4,6-Tribromophenol
Concen: 40.489 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:330 Resp: 102277

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.9	116.9
141	32.4	25.9	38.9

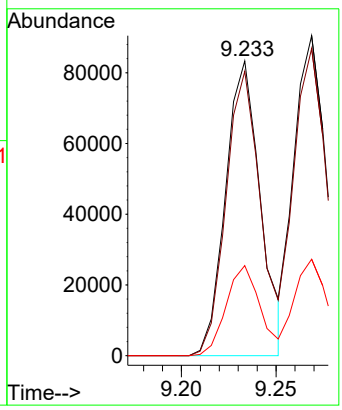




#43
2,4,6-Trichlorophenol
Concen: 20.815 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:196 Resp: 10678

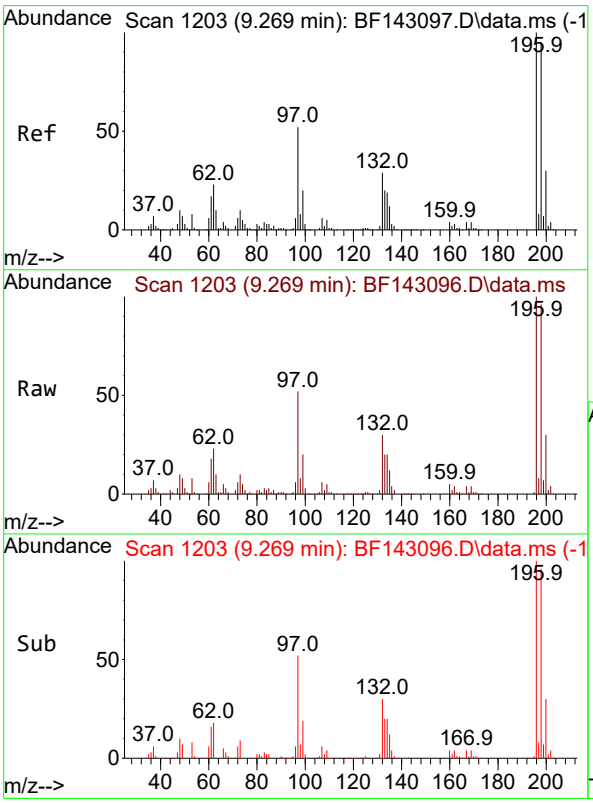
Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.9	115.3
200	30.6	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

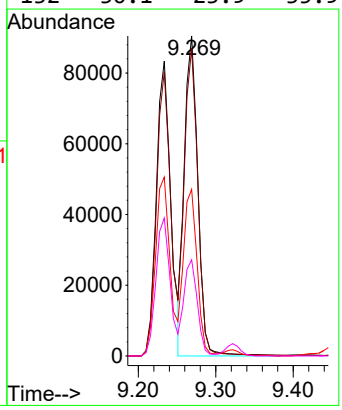
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

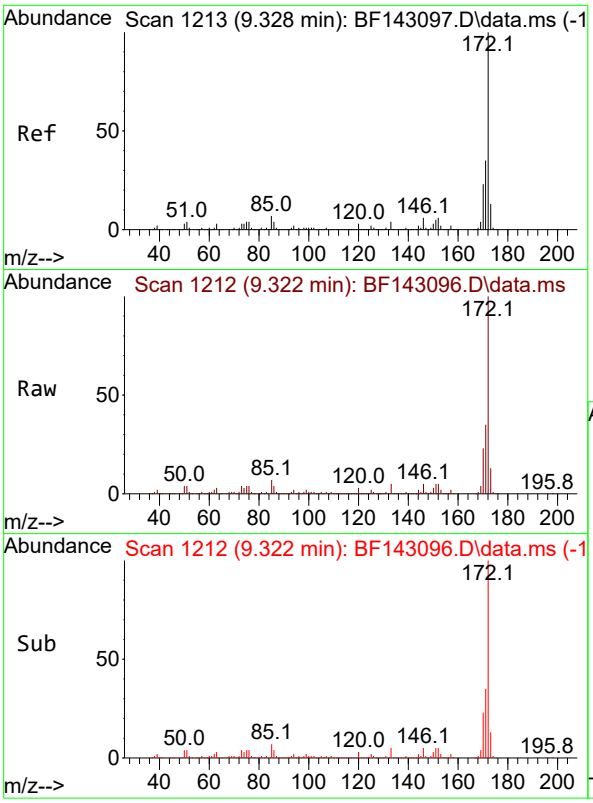


#44
2,4,5-Trichlorophenol
Concen: 20.537 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:196 Resp: 110466

Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.4	114.6
97	52.0	42.4	63.6
132	30.1	23.9	35.9

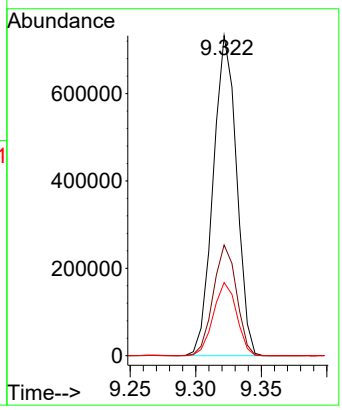




#45
2-Fluorobiphenyl
Concen: 42.581 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:172 Resp: 90749

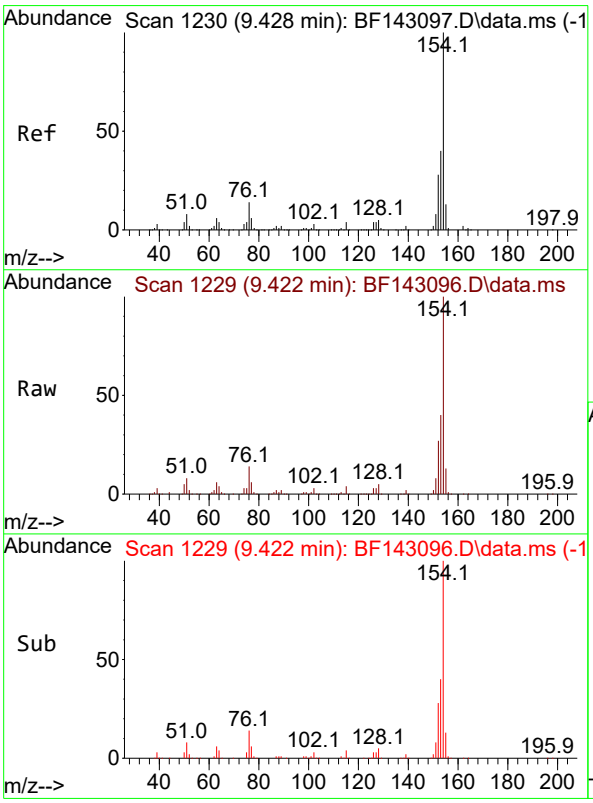
Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	22.9	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

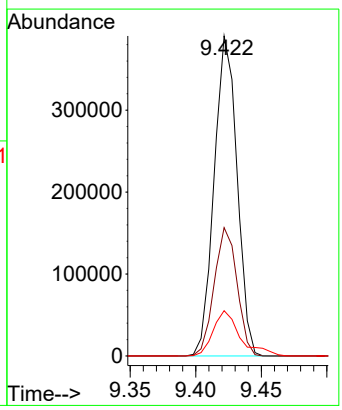
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

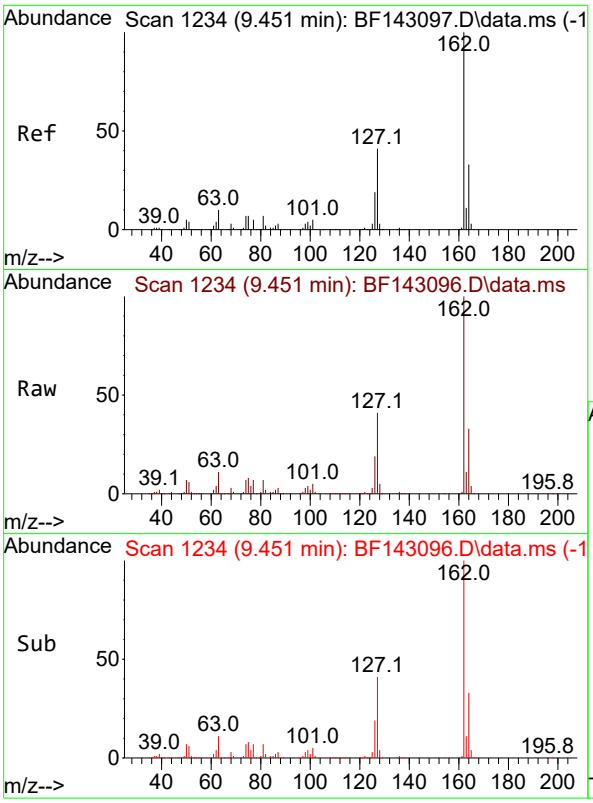


#46
1,1'-Biphenyl
Concen: 20.955 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 473419

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	14.2	0.0	33.7

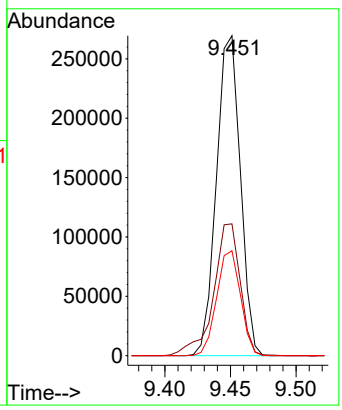




#47
2-Chloronaphthalene
Concen: 20.584 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:162 Resp: 34163

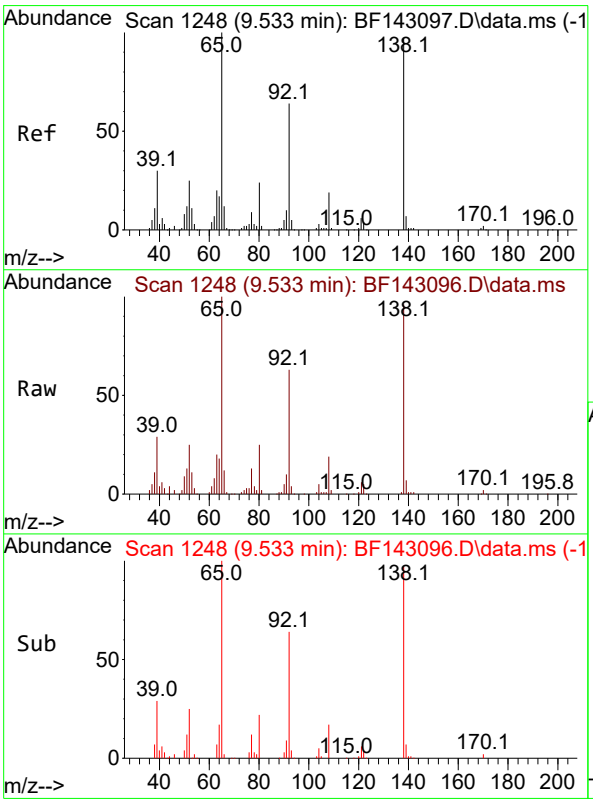
Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.0	49.6
164	32.8	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

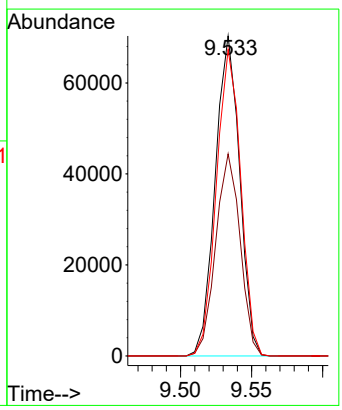
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

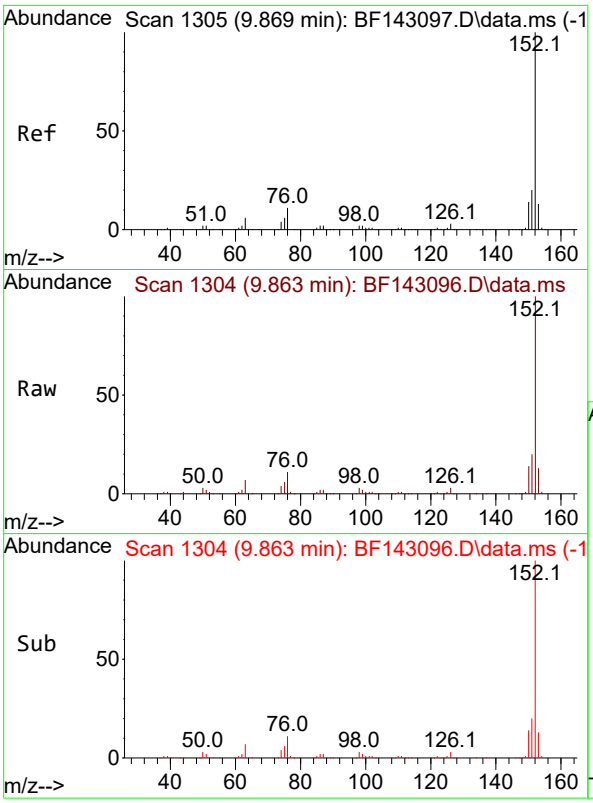


#48
2-Nitroaniline
Concen: 18.969 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 65 Resp: 83805

Ion	Ratio	Lower	Upper
65	100		
92	63.1	51.3	76.9
138	95.8	77.8	116.6

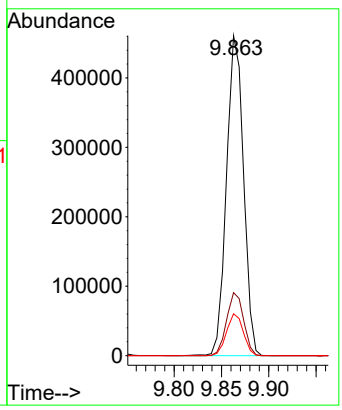




#49
Acenaphthylene
Concen: 20.837 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:152 Resp: 57626

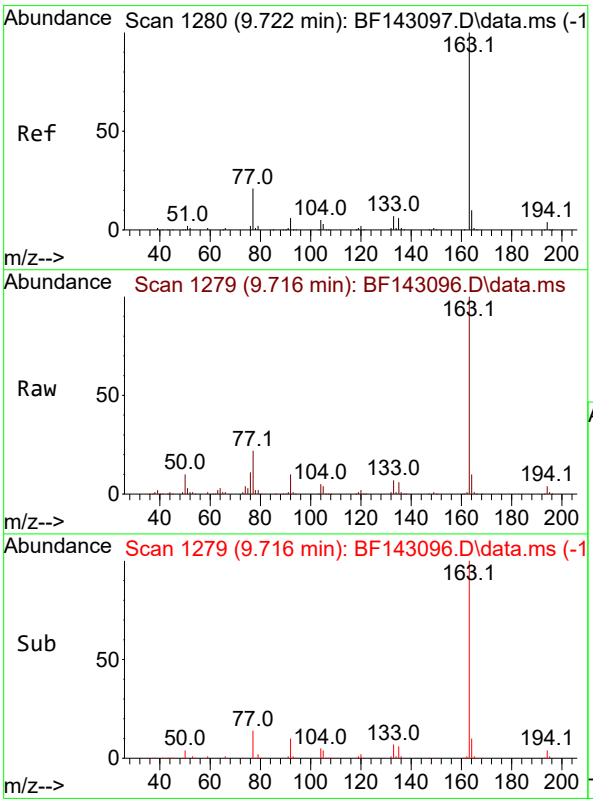
Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.1	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

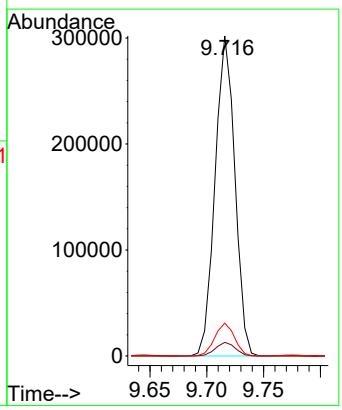
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

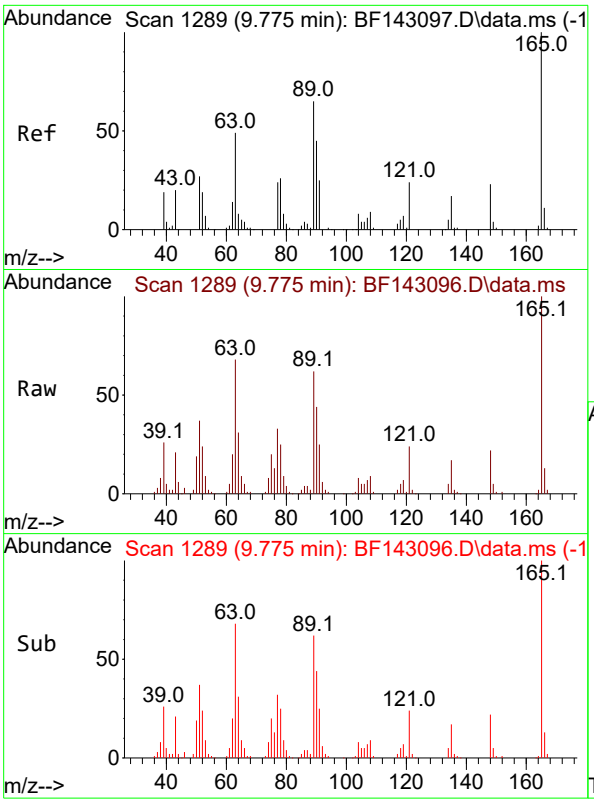


#50
Dimethylphthalate
Concen: 20.536 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:163 Resp: 366019

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.2	8.2	12.2

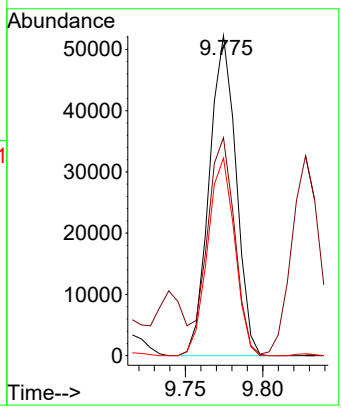




#51
2,6-Dinitrotoluene
Concen: 19.583 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:165 Resp: 6277

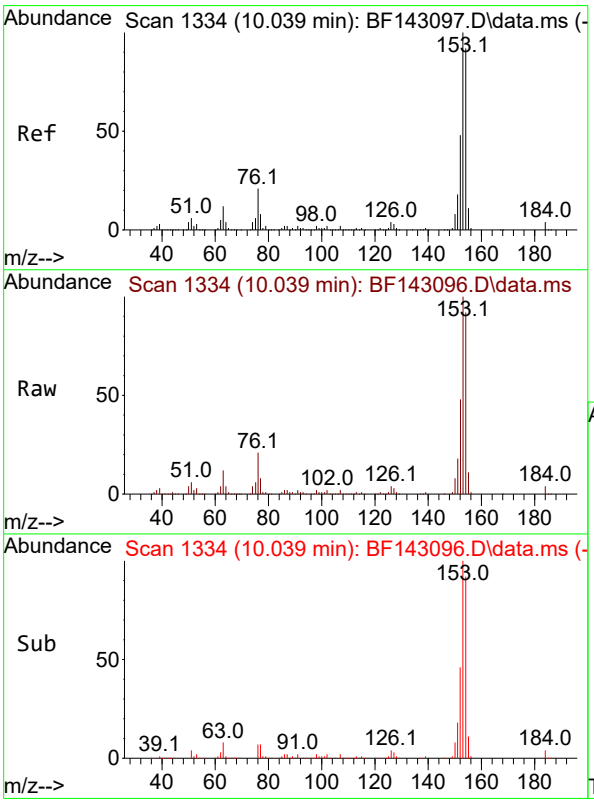
Ion	Ratio	Lower	Upper
165	100		
63	68.1	57.4	86.0
89	61.7	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

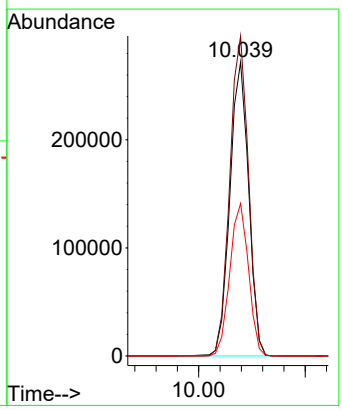
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

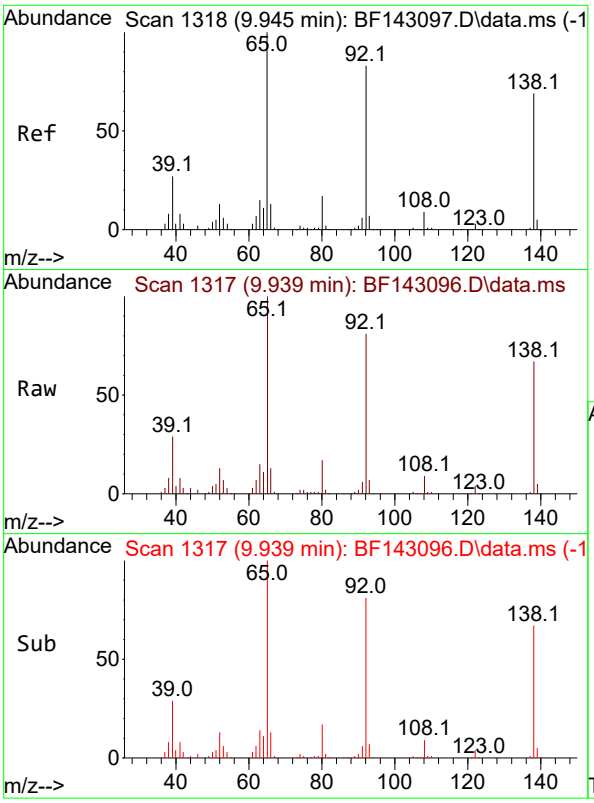


#52
Acenaphthene
Concen: 20.369 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 332427

Ion	Ratio	Lower	Upper
154	100		
153	108.9	86.7	130.1
152	51.9	41.4	62.2





#53
3-Nitroaniline
Concen: 20.797 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

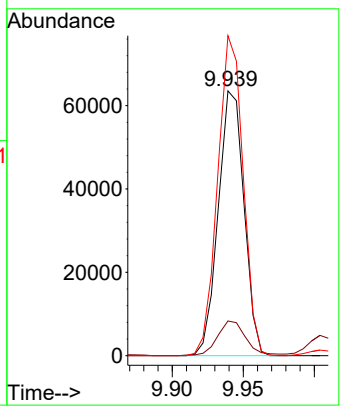
Tgt Ion:138 Resp: 8009

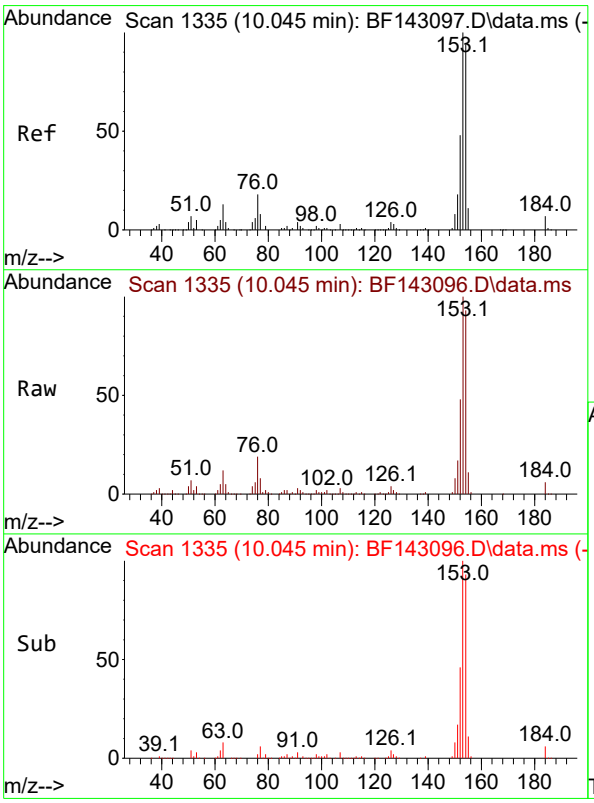
Ion	Ratio	Lower	Upper
138	100		
108	13.1	10.1	15.1
92	120.9	96.4	144.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

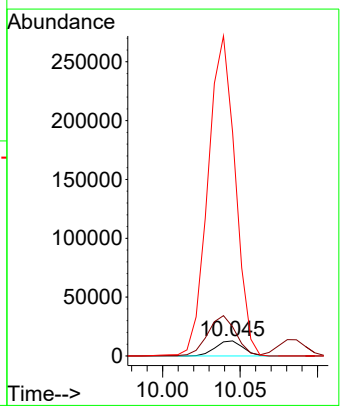


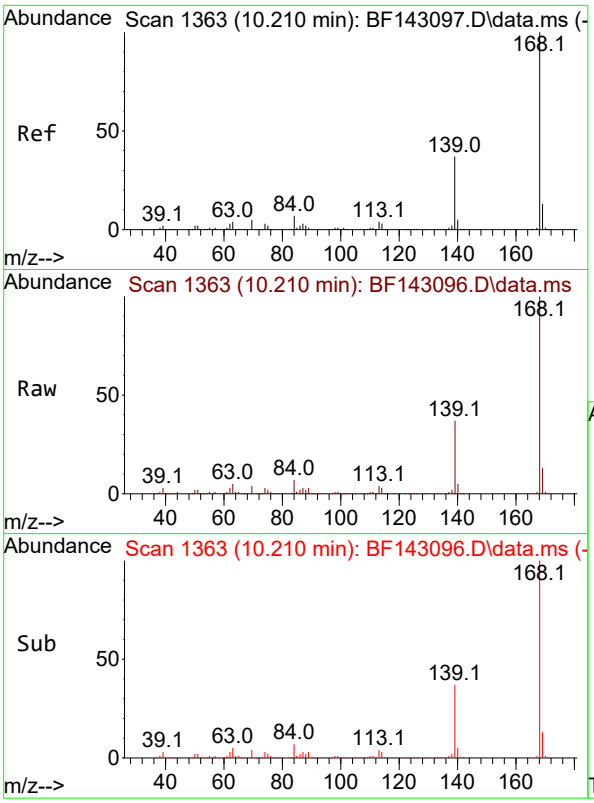


#54
2,4-Dinitrophenol
Concen: 19.749 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:184 Resp: 15826

Ion	Ratio	Lower	Upper
184	100		
63	193.5	149.3	223.9
154	1488.1	1048.0	1572.0

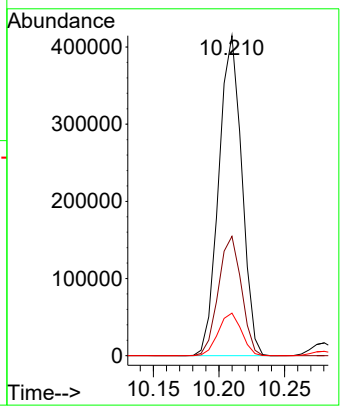




#55
Dibenzofuran
Concen: 20.792 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:168 Resp: 50578

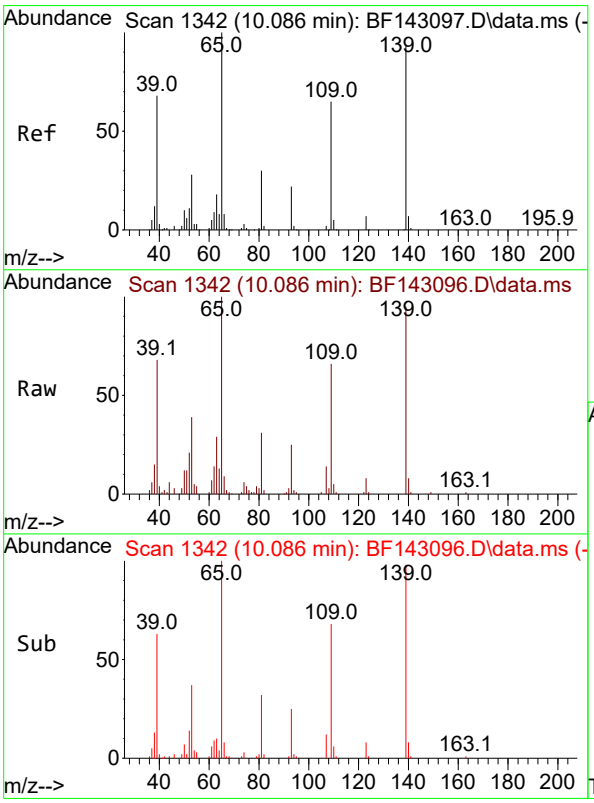
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.6
169	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

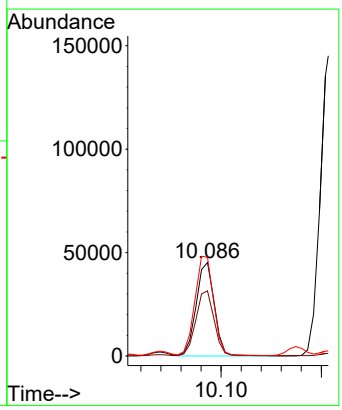
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

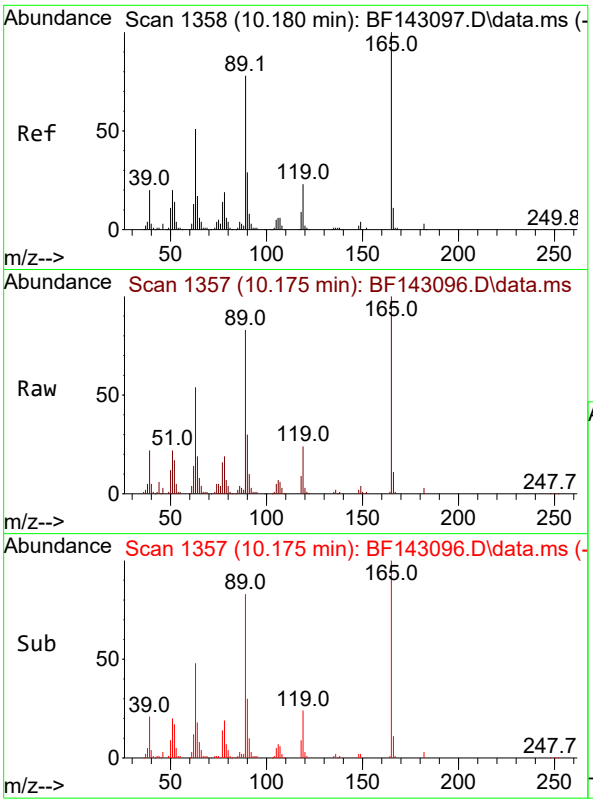


#56
4-Nitrophenol
Concen: 18.647 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 57072

Ion	Ratio	Lower	Upper
139	100		
109	69.7	49.4	89.4
65	105.6	88.2	128.2

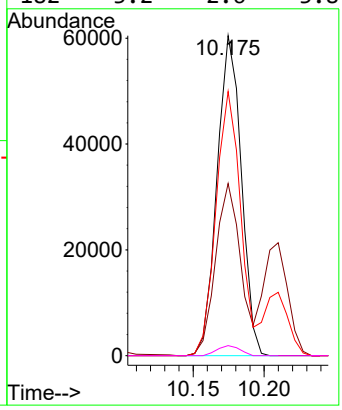




#57
2,4-Dinitrotoluene
Concen: 18.561 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:165 Resp: 7176

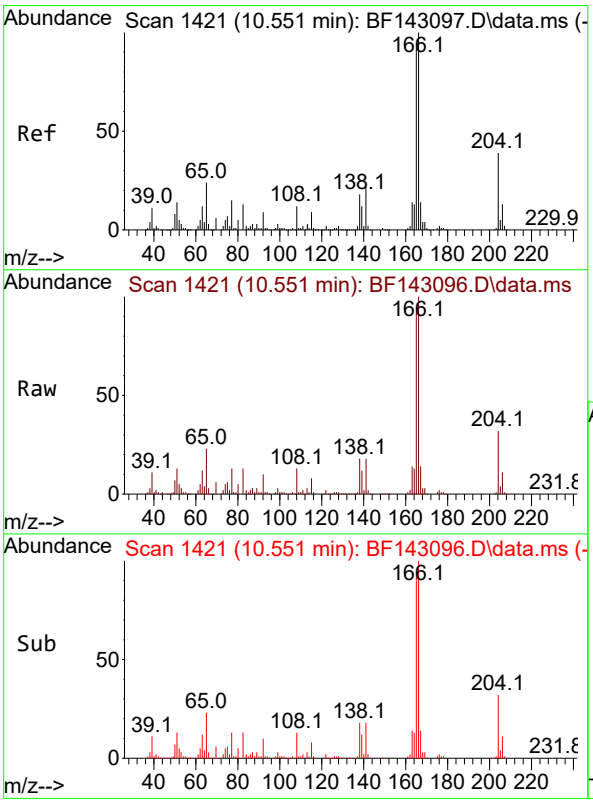
Ion	Ratio	Lower	Upper
165	100		
63	53.8	40.6	61.0
89	82.6	62.3	93.5
182	3.2	2.6	3.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

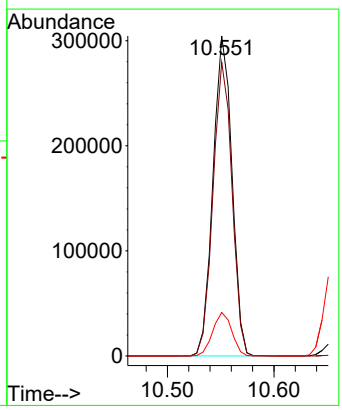
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

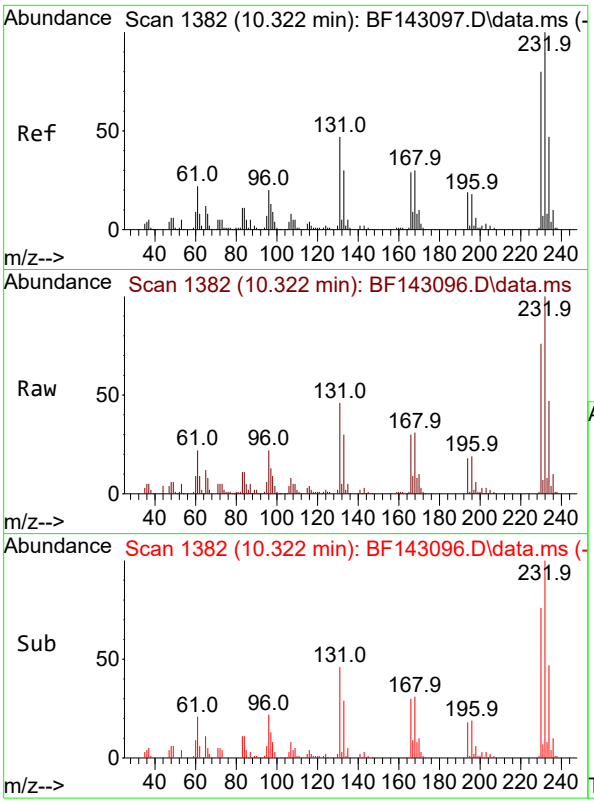


#58
Fluorene
Concen: 20.626 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:166 Resp: 376169

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.6	10.9	16.3

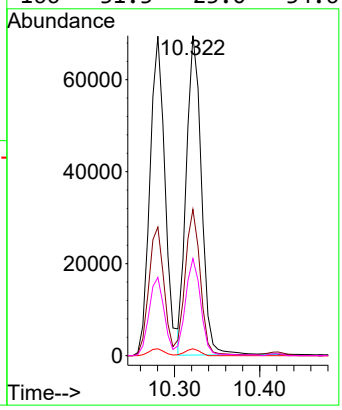




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.030 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:232 Resp: 8562

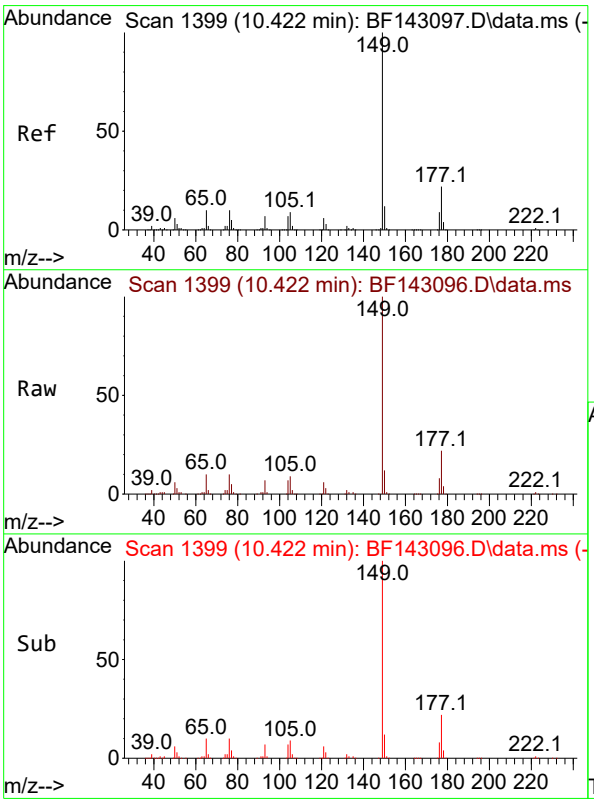
Ion	Ratio	Lower	Upper
232	100		
131	46.3	36.9	55.3
130	2.1	1.8	2.8
166	31.3	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

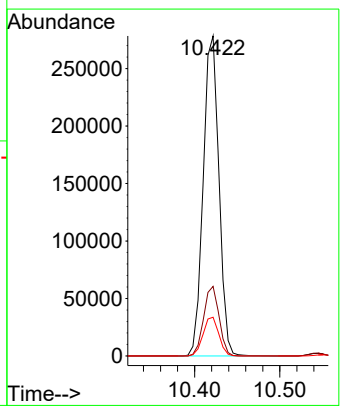
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

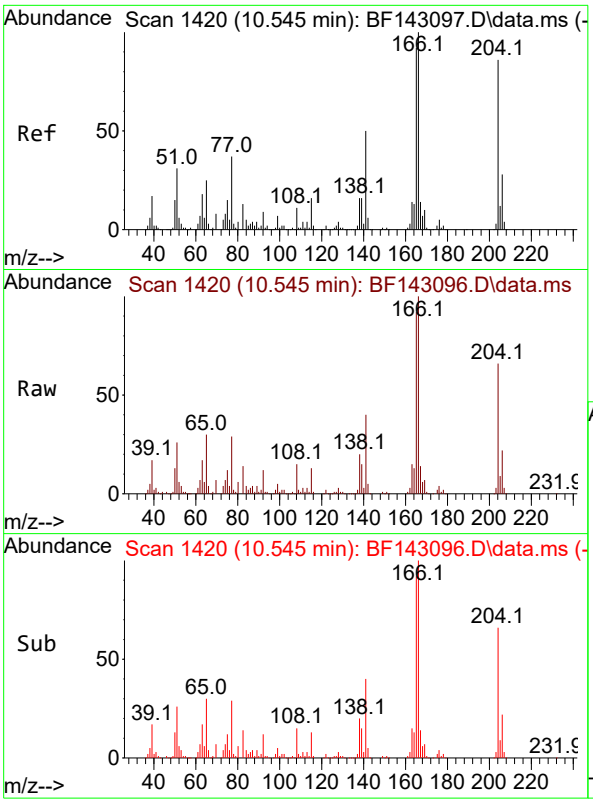


#60
Diethylphthalate
Concen: 20.710 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 356111

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.1	9.9	14.9

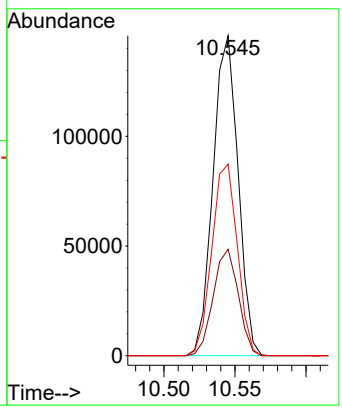




#61
4-Chlorophenyl-phenylether
Concen: 20.436 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:204 Resp: 17864

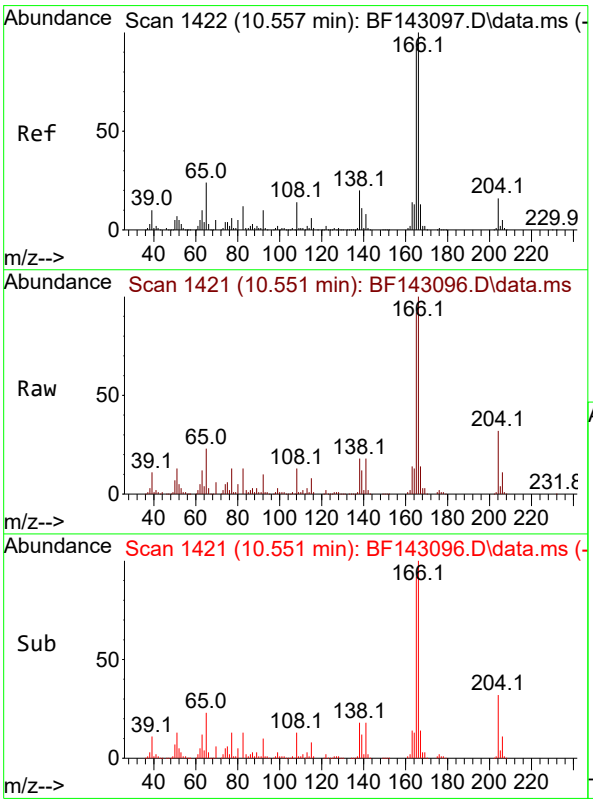
Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.6
141	59.8	46.8	70.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

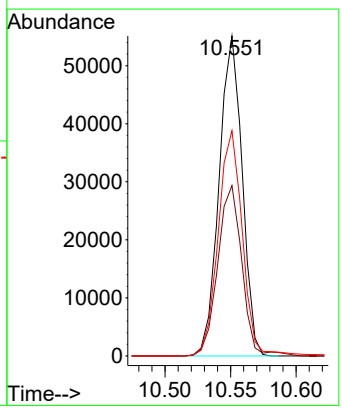
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

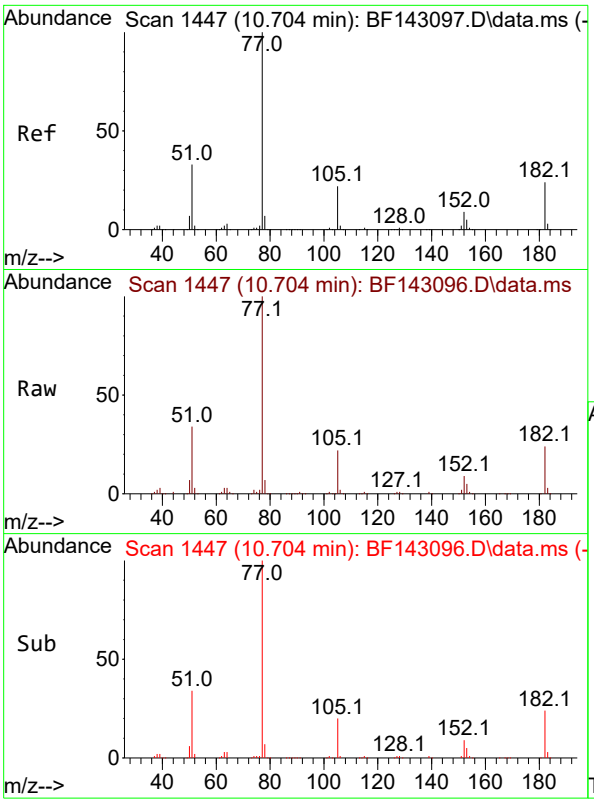


#62
4-Nitroaniline
Concen: 20.084 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:138 Resp: 67264

Ion	Ratio	Lower	Upper
138	100		
92	53.2	30.4	70.4
108	70.4	49.5	89.5

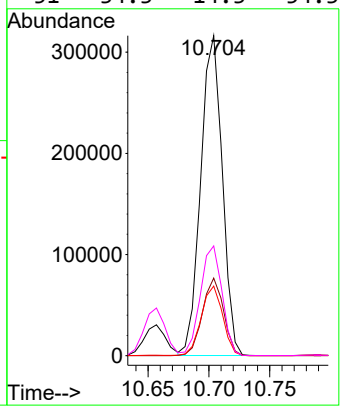




#63
Azobenzene
Concen: 20.478 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 38941

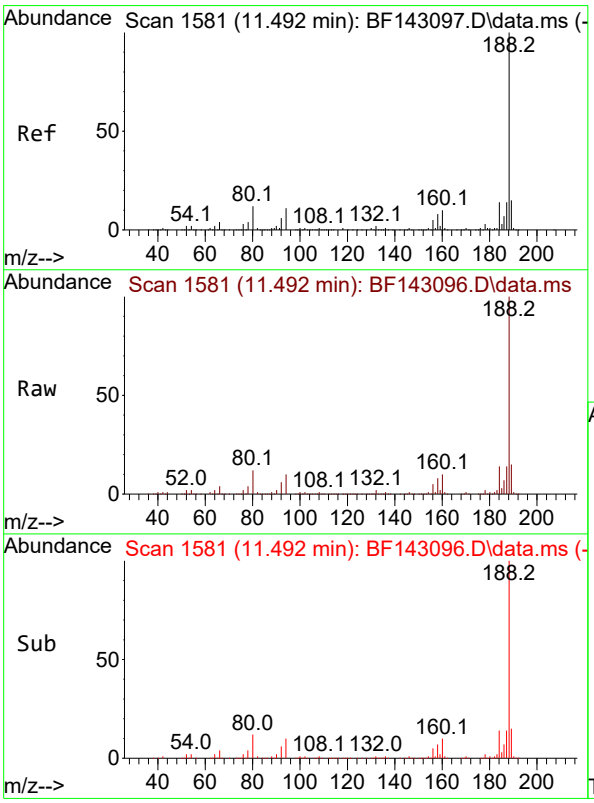
Ion	Ratio	Lower	Upper
77	100		
182	24.3	4.0	44.0
105	21.8	1.4	41.4
51	34.3	14.3	54.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

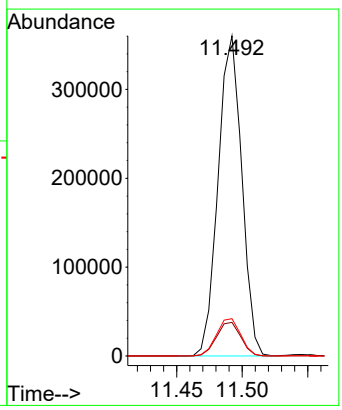
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

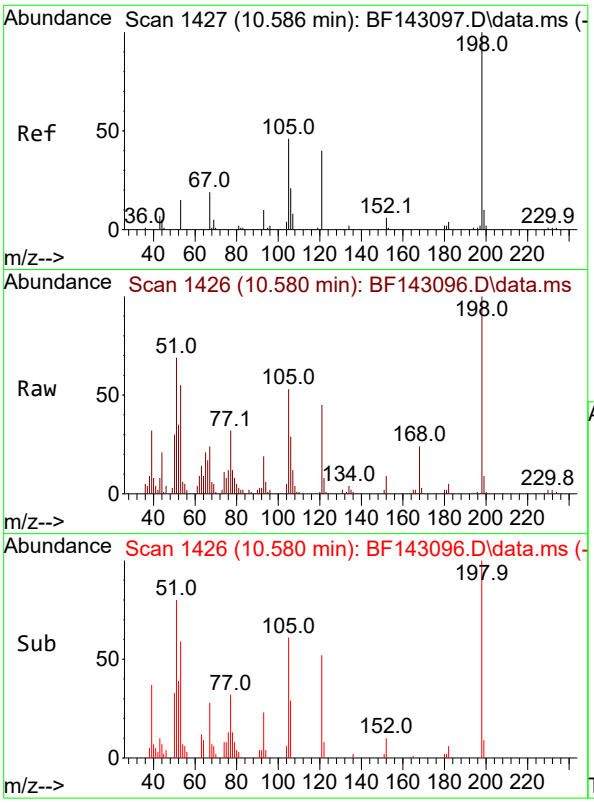


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:188 Resp: 451524

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.6	9.3	13.9

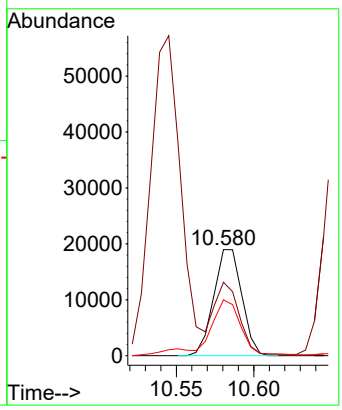




#65
4,6-Dinitro-2-methylphenol
Concen: 19.643 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:198 Resp: 2397

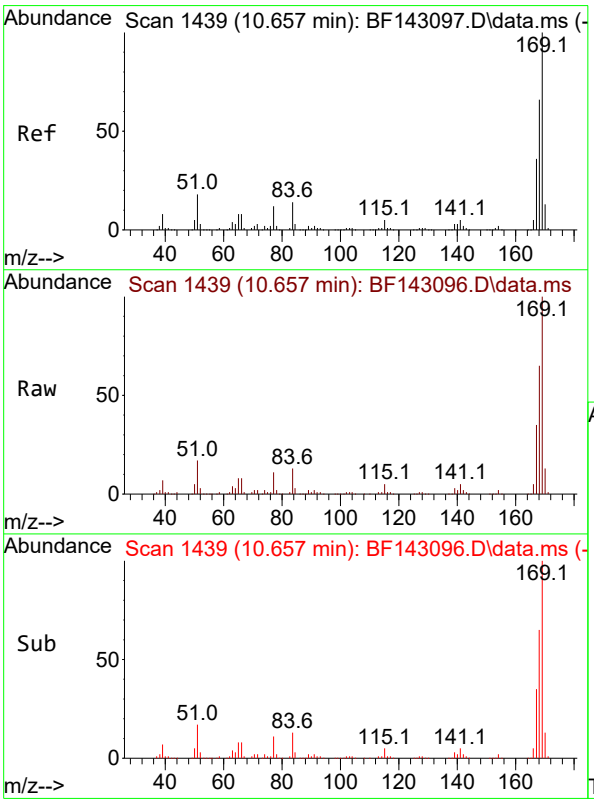
Ion	Ratio	Lower	Upper
198	100		
51	69.3	44.6	84.6
105	52.7	29.3	69.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

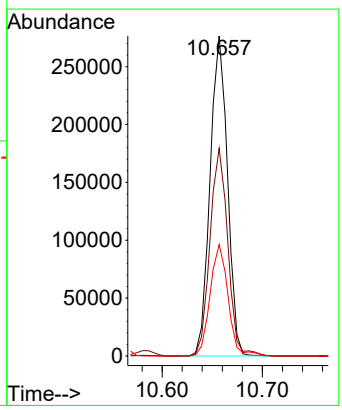
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

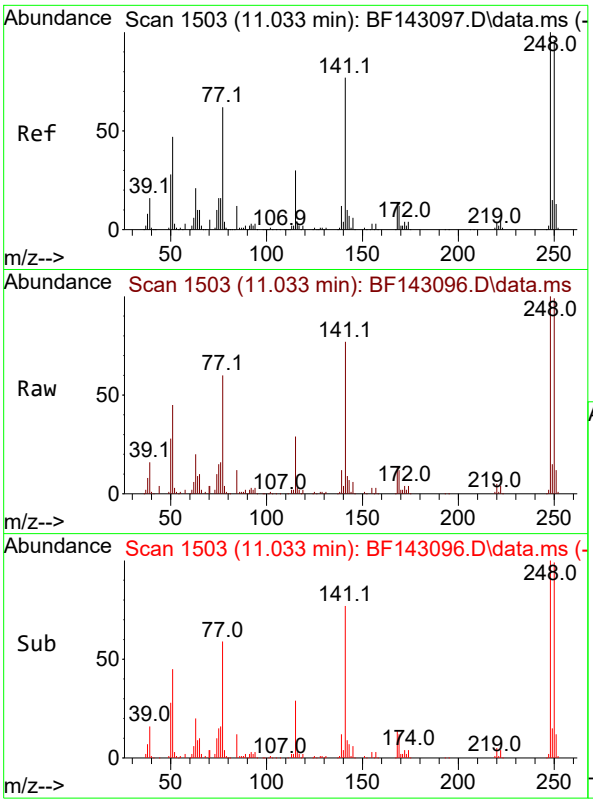


#66
n-Nitrosodiphenylamine
Concen: 20.948 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:169 Resp: 332248

Ion	Ratio	Lower	Upper
169	100		
168	64.9	53.0	79.6
167	34.8	28.4	42.6

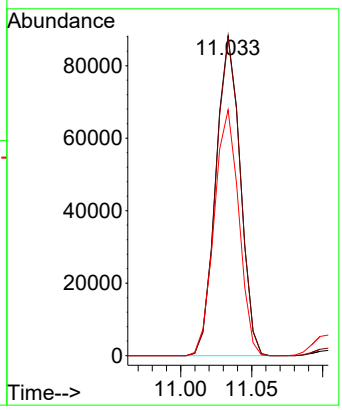




#67
4-Bromophenyl-phenylether
Concen: 20.535 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:248 Resp: 10544

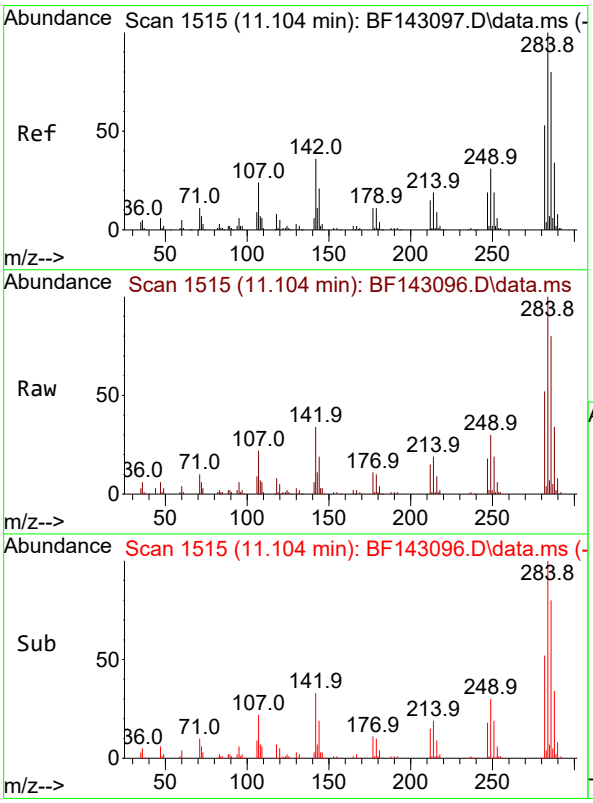
Ion	Ratio	Lower	Upper
248	100		
250	99.2	76.7	115.1
141	76.9	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

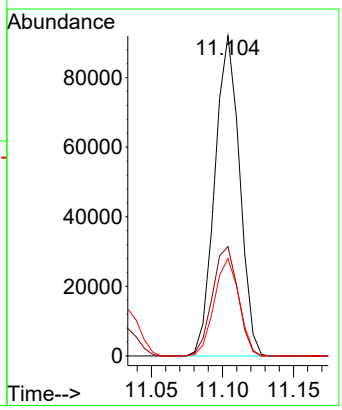
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

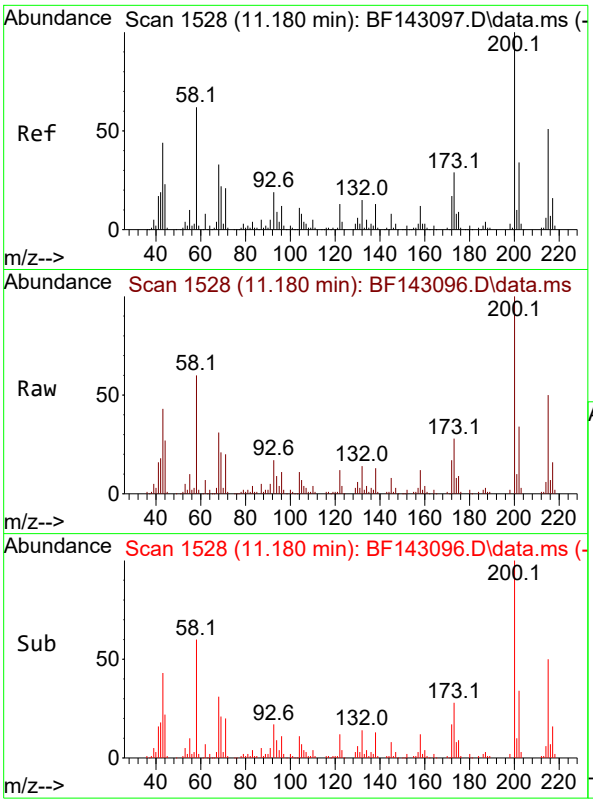


#68
Hexachlorobenzene
Concen: 20.507 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:284 Resp: 111727

Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.9	43.3
249	30.4	24.6	37.0

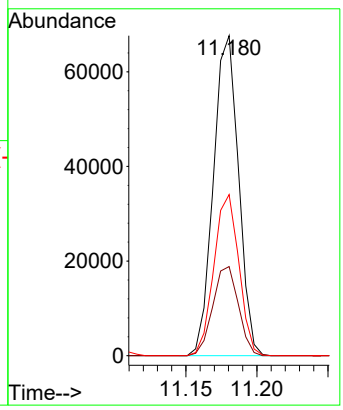




#69
Atrazine
Concen: 20.499 ng
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:200 Resp: 8318

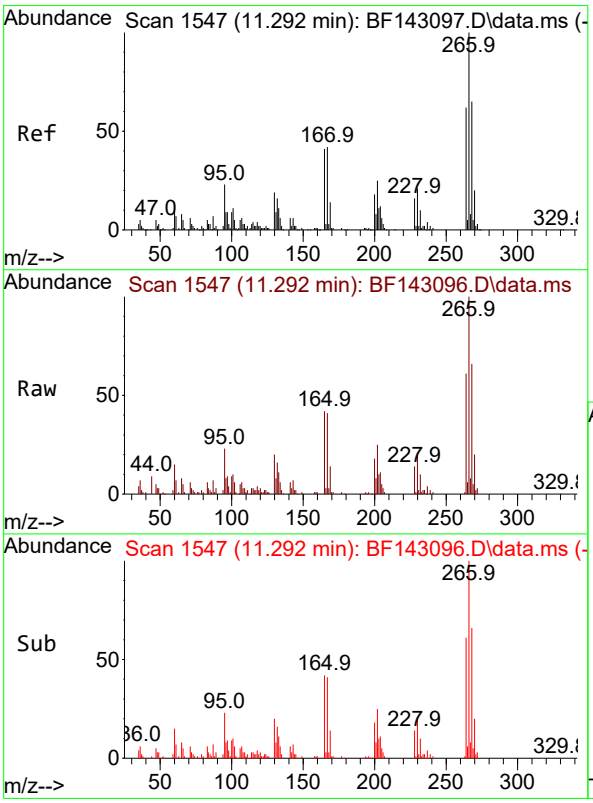
Ion	Ratio	Lower	Upper
200	100		
173	27.8	9.1	49.1
215	50.3	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

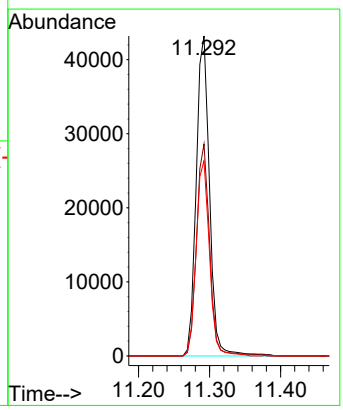
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

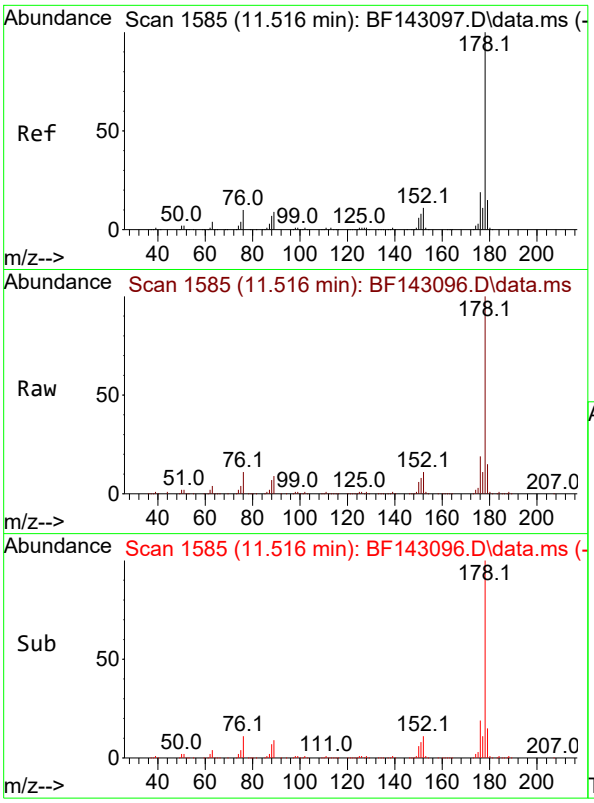


#70
Pentachlorophenol
Concen: 18.862 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:266 Resp: 56380

Ion	Ratio	Lower	Upper
266	100		
268	66.2	51.8	77.6
264	61.0	49.7	74.5

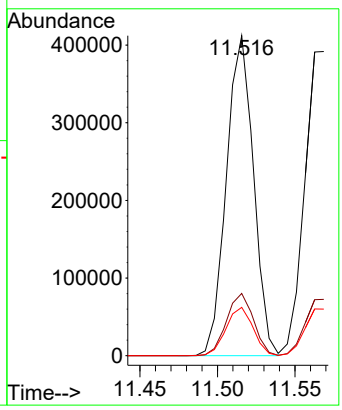




#71
Phenanthrene
Concen: 20.581 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:178 Resp: 50152

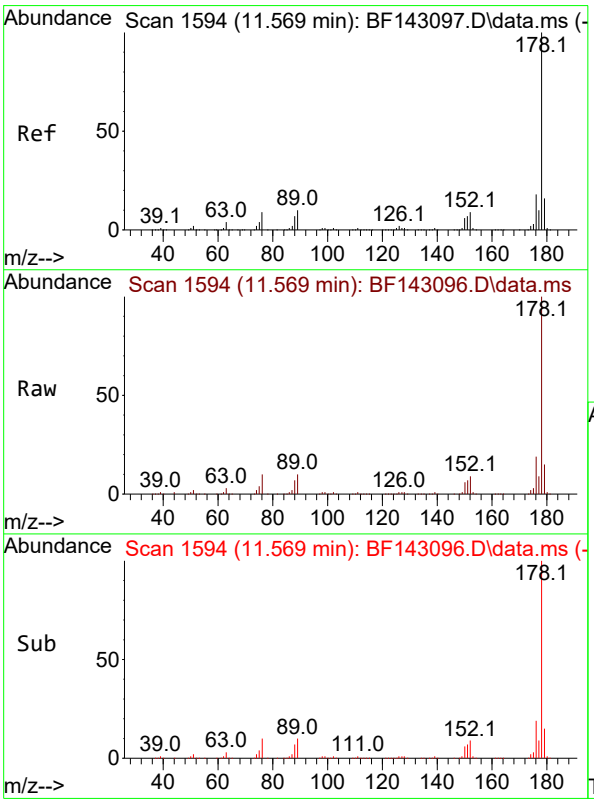
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.1	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

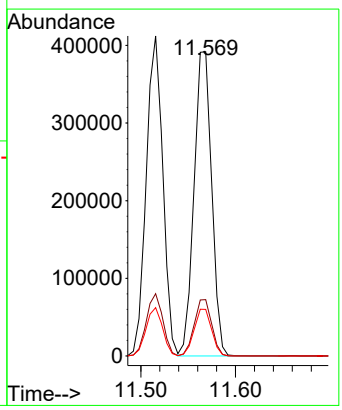
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

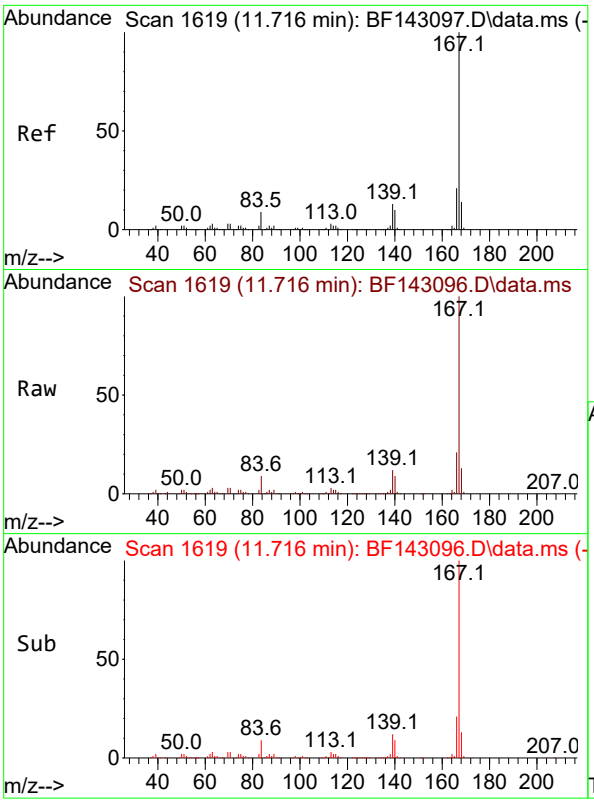


#72
Anthracene
Concen: 20.752 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:178 Resp: 508525

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.3	12.4	18.6

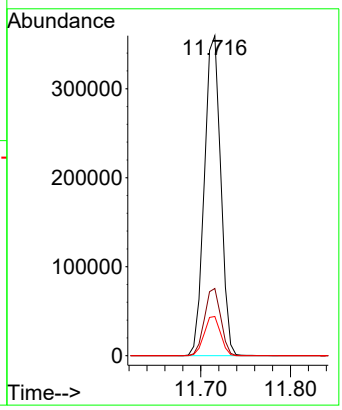




#73
Carbazole
Concen: 20.728 ng
RT: 11.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:167 Resp: 45504

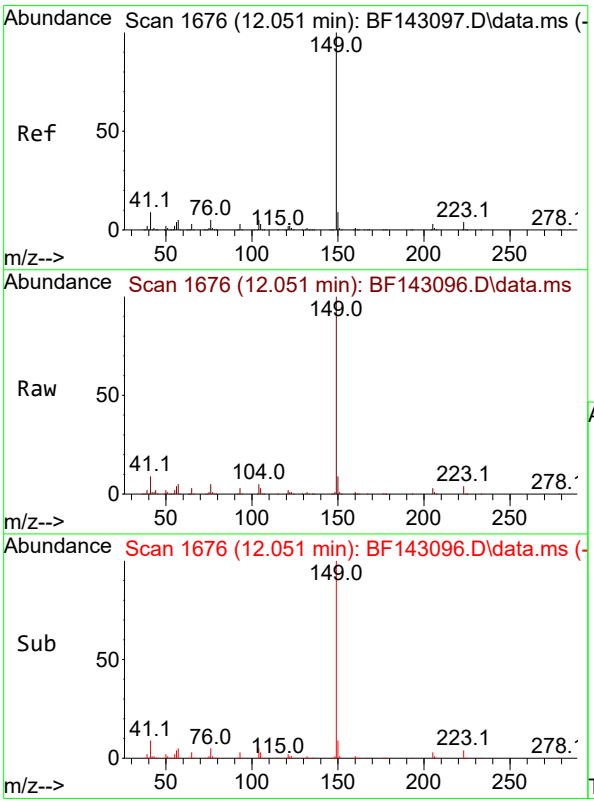
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.3	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

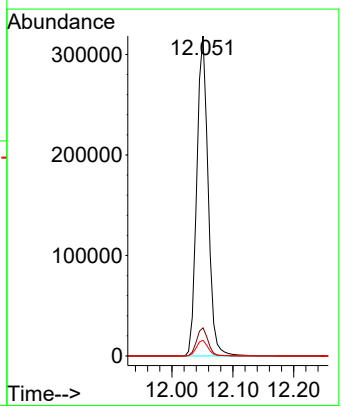
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

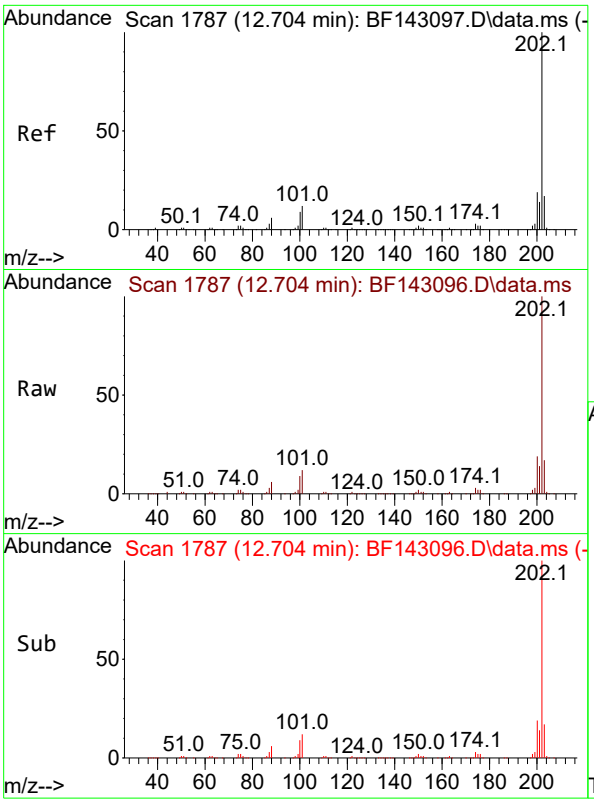


#74
Di-n-butylphthalate
Concen: 20.456 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 412206

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	4.9	3.8	5.8

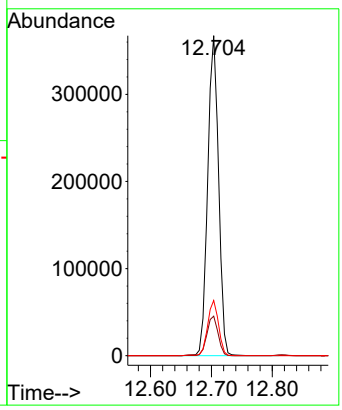




#75
Fluoranthene
Concen: 20.556 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:202 Resp: 45545

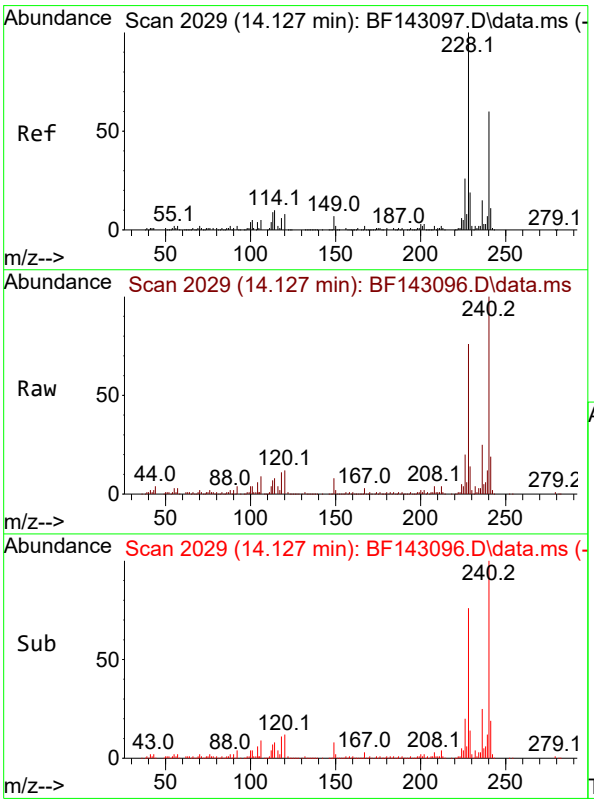
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.4
203	17.2	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

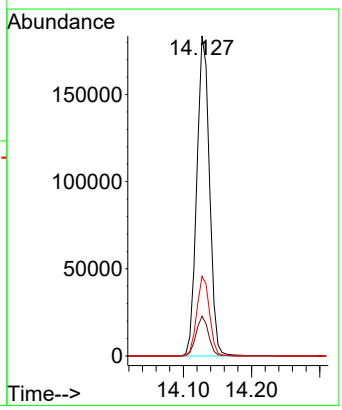
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

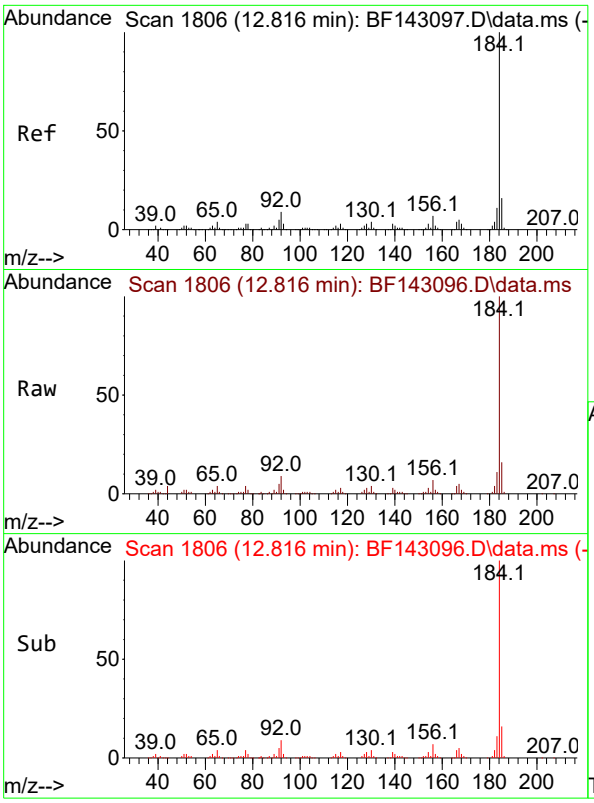


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:240 Resp: 236667

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	24.9	20.0	30.0

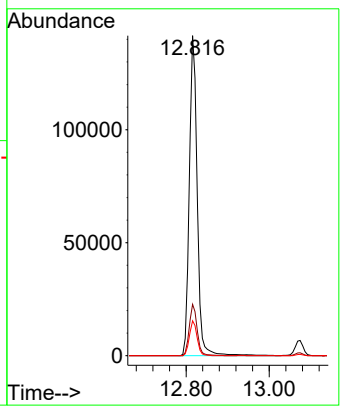




#77
Benzidine
Concen: 23.083 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:184 Resp: 18611

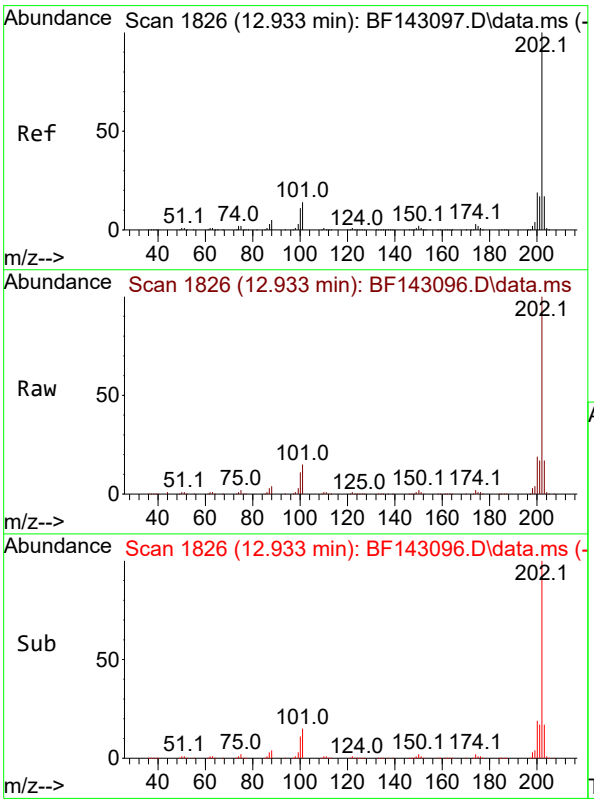
Ion	Ratio	Lower	Upper
184	100		
185	16.1	12.4	18.6
183	10.9	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

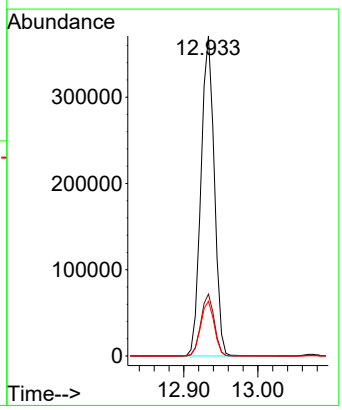
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

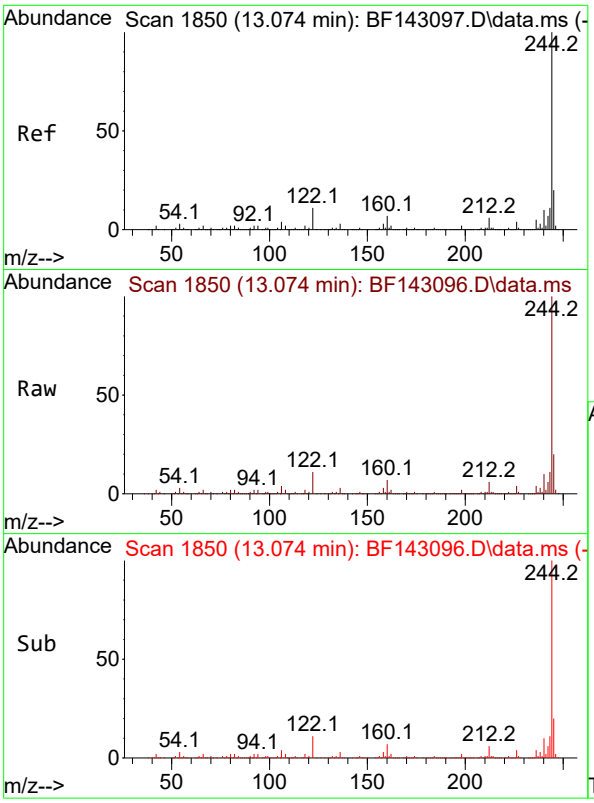


#78
Pyrene
Concen: 21.072 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:202 Resp: 462715

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.5	23.3
203	17.1	14.0	21.0

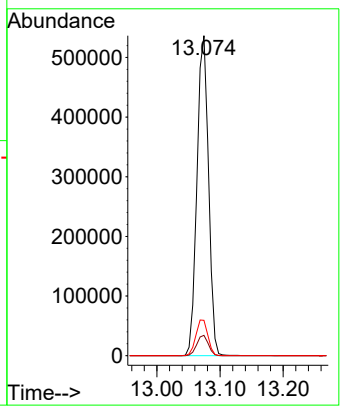




#79
Terphenyl-d14
Concen: 42.012 ng
RT: 13.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:244 Resp: 68017

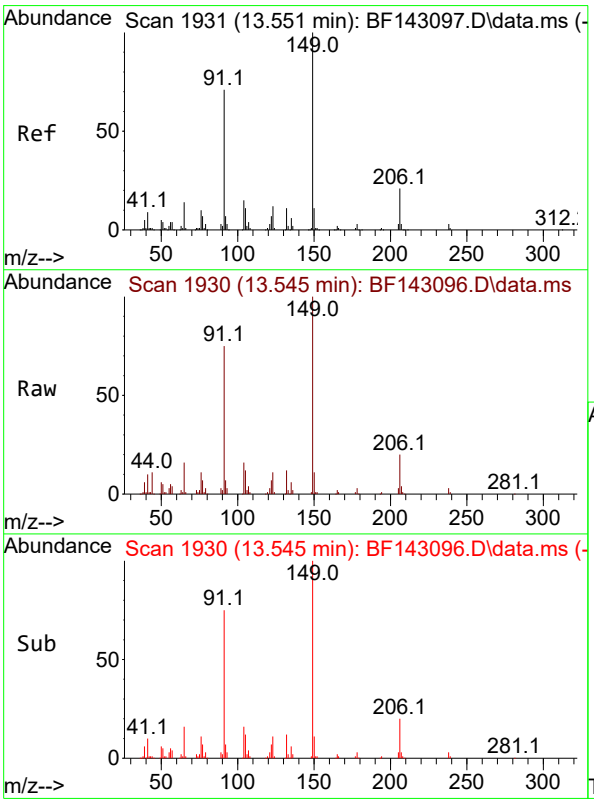
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

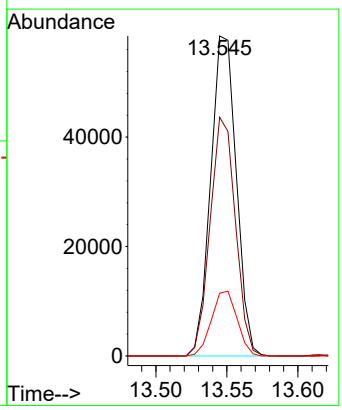
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

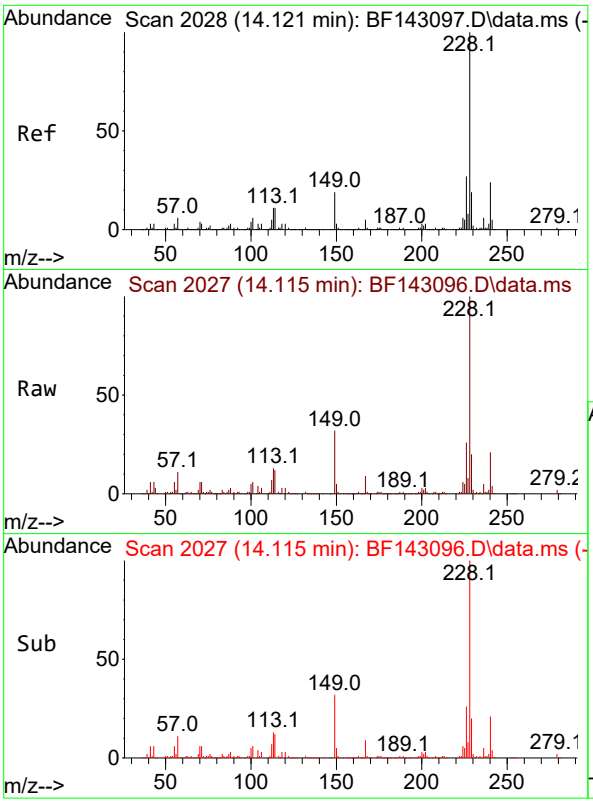


#80
Butylbenzylphthalate
Concen: 18.875 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 73439

Ion	Ratio	Lower	Upper
149	100		
91	74.6	57.0	85.4
206	19.6	17.2	25.8

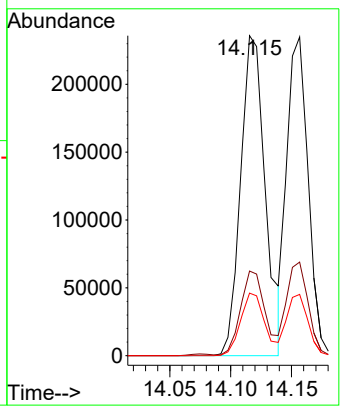




#81
Benzo(a)anthracene
Concen: 21.102 ng
RT: 14.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:228 Resp: 33279

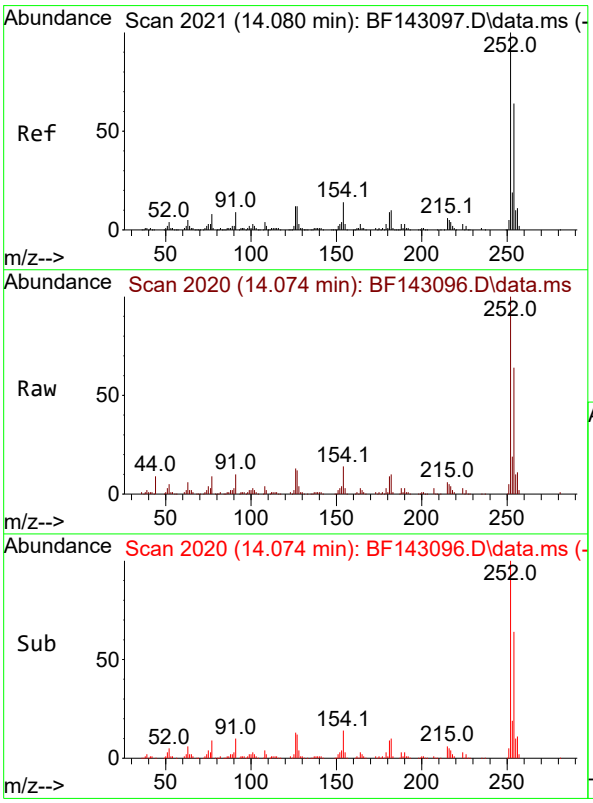
Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.3	31.9
229	19.6	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

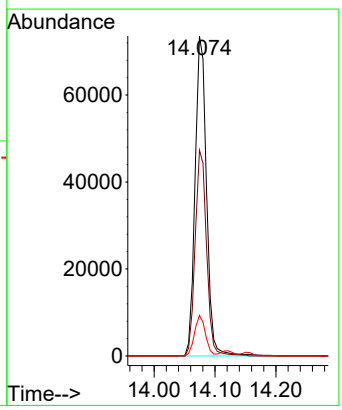
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

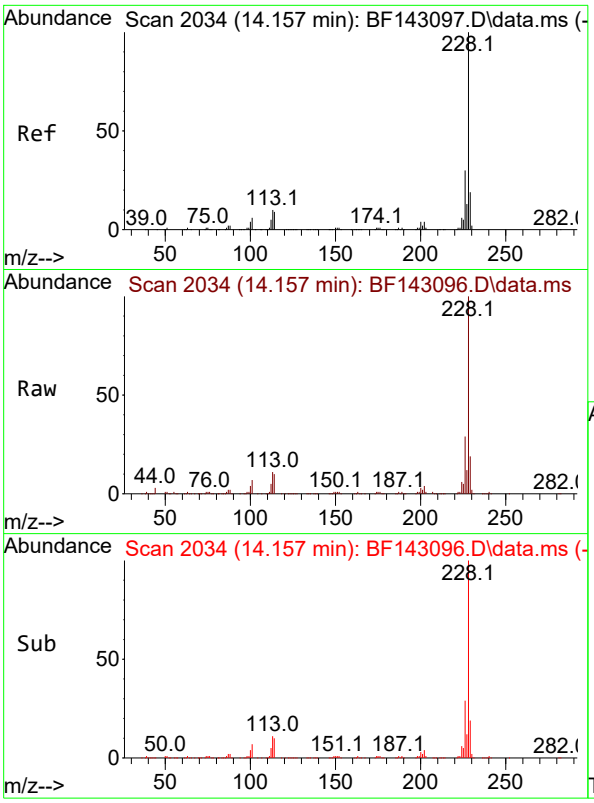


#82
3,3'-Dichlorobenzidine
Concen: 21.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 96174

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	12.7	9.4	14.0





#83
Chrysene
Concen: 19.732 ng
RT: 14.157 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

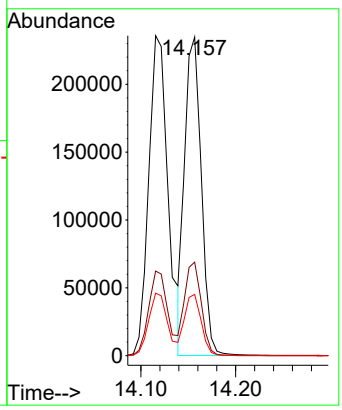
Tgt Ion:228 Resp: 28661(

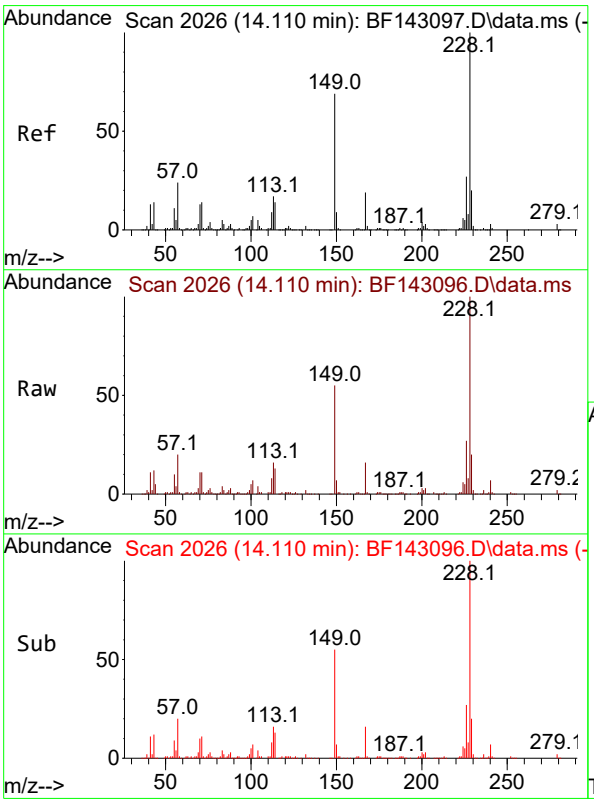
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	19.2	15.3	22.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

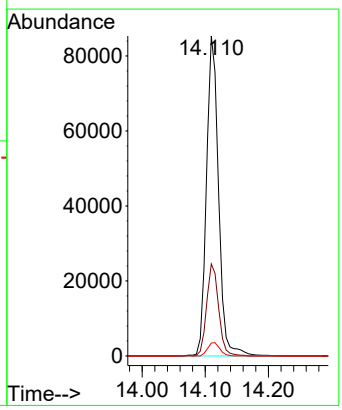


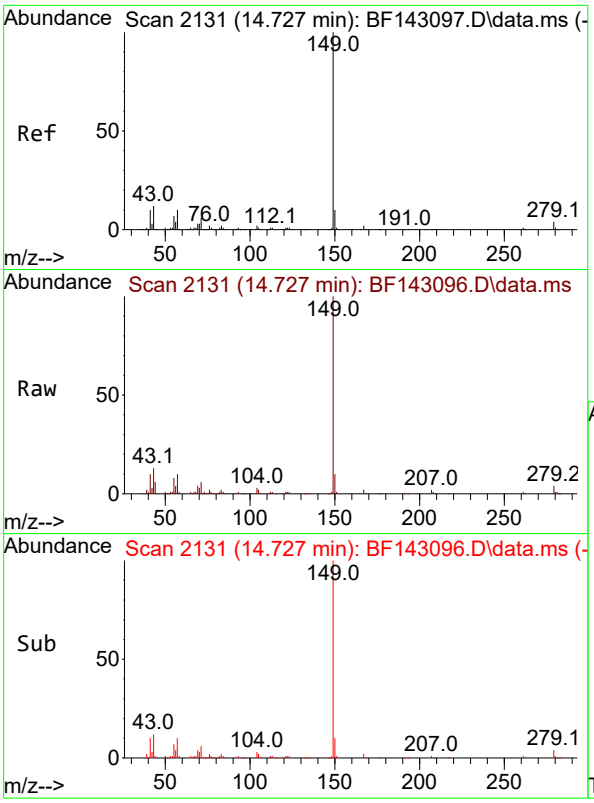


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.236 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 113349

Ion	Ratio	Lower	Upper
149	100		
167	28.8	21.9	32.9
279	4.0	3.4	5.0

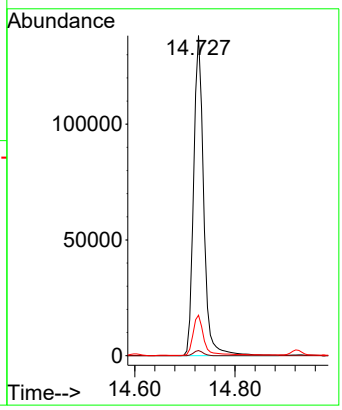




#85
Di-n-octyl phthalate
Concen: 19.817 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 19200

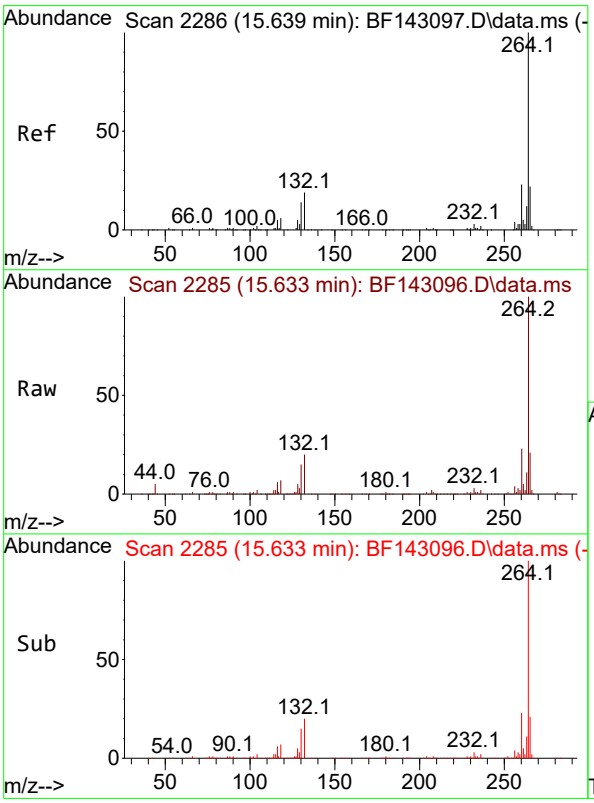
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	13.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

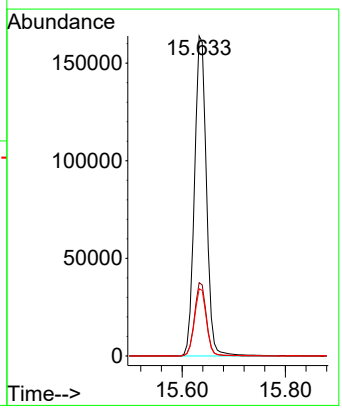
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

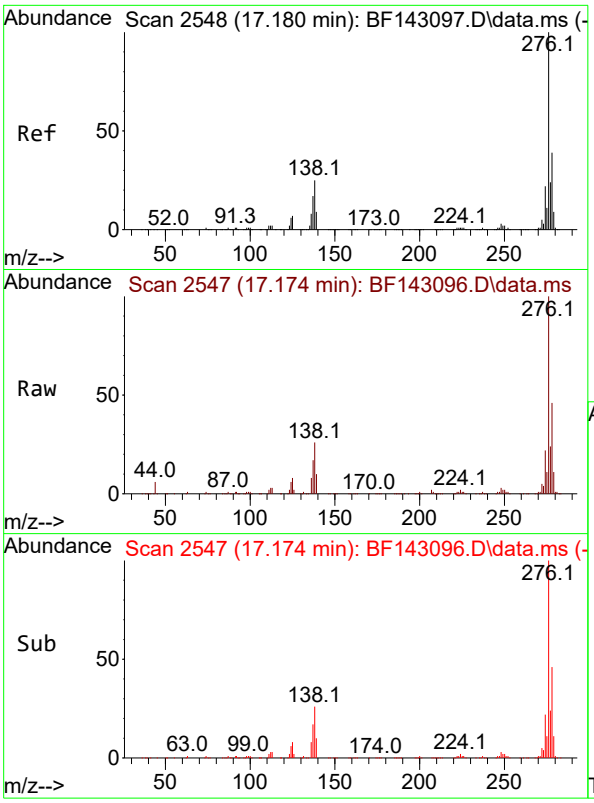


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:264 Resp: 262419

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.0	17.5	26.3

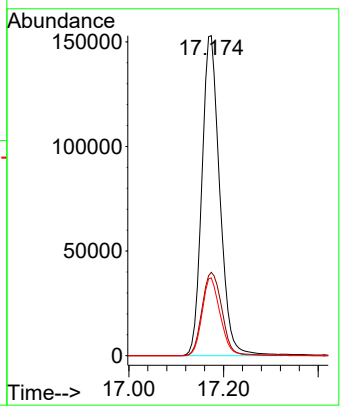




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.516 ng
RT: 17.174 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:276 Resp: 40042

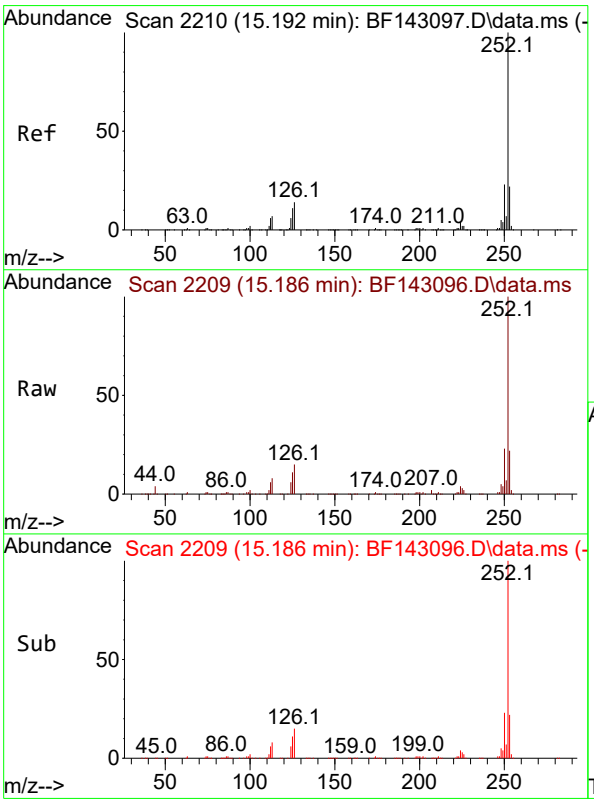
Ion	Ratio	Lower	Upper
276	100		
138	29.1	22.6	34.0
277	24.8	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

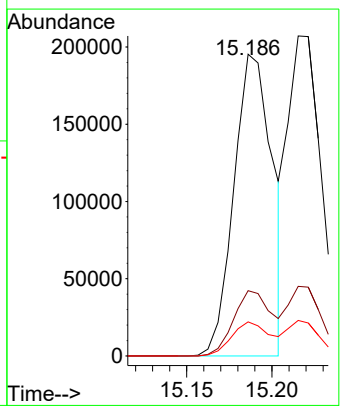
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

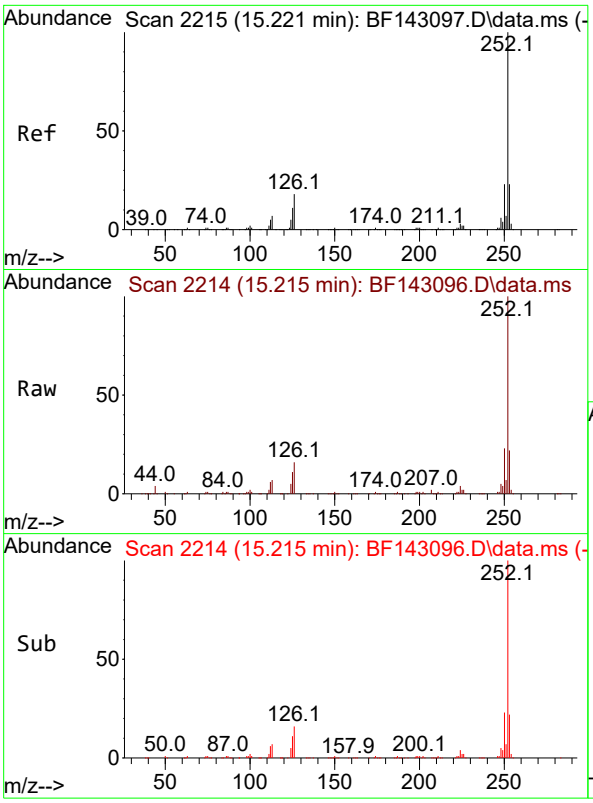


#88
Benzo(b)fluoranthene
Concen: 20.302 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 307312

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.3	8.6	13.0

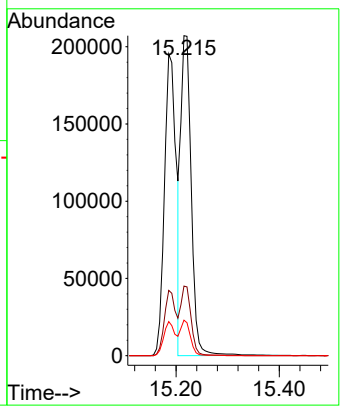




#89
Benzo(k)fluoranthene
Concen: 20.194 ng
RT: 15.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 29161

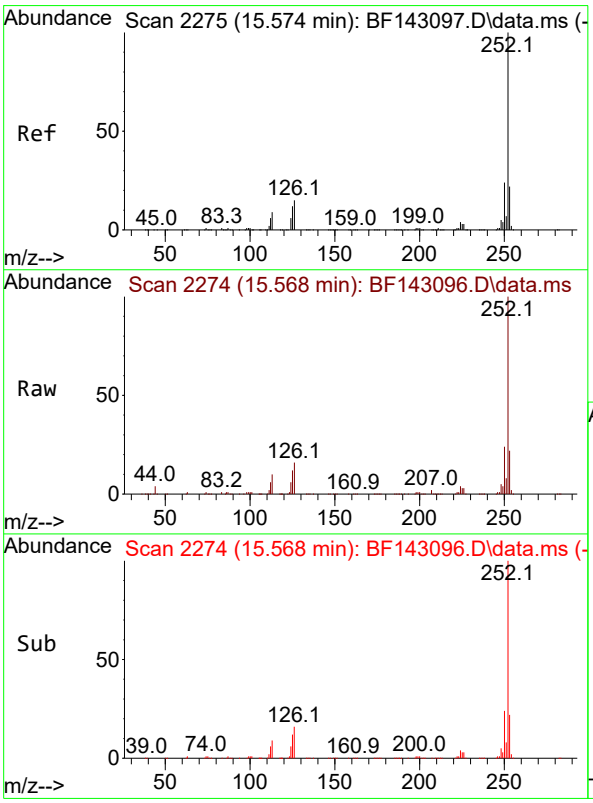
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	11.1	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

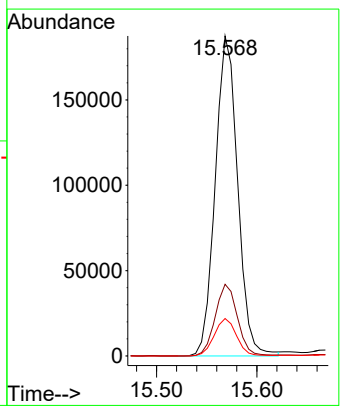
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

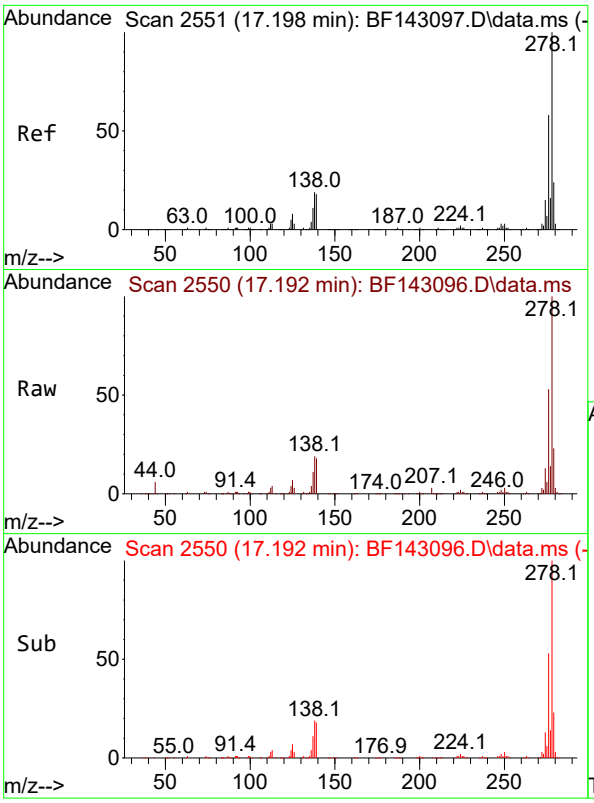


#90
Benzo(a)pyrene
Concen: 20.313 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 290809

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.7	9.4	14.0

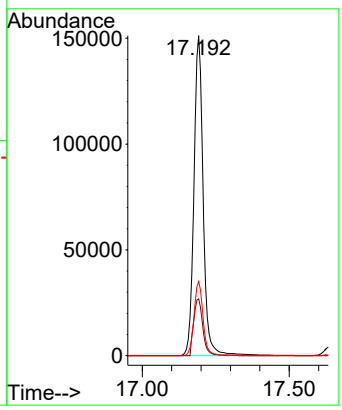




#91
Dibenzo(a,h)anthracene
Concen: 20.818 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:278 Resp: 33215

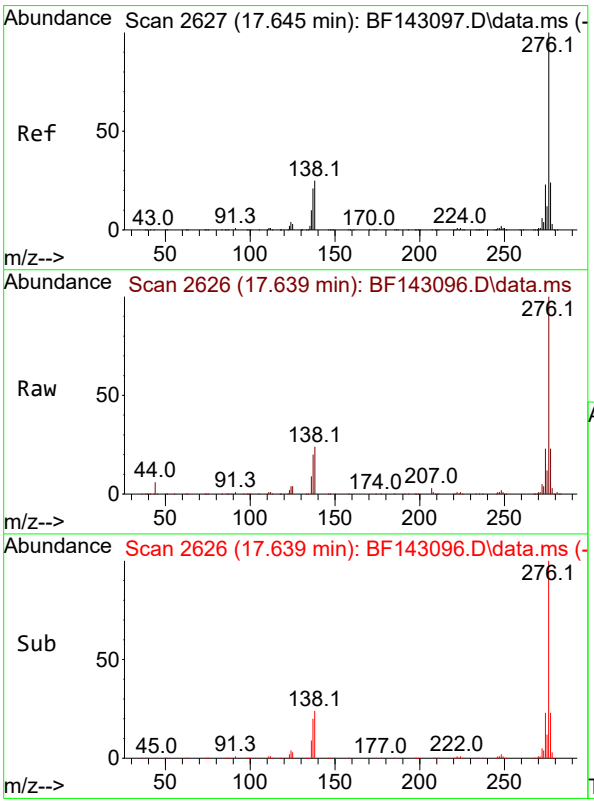
Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.6	22.0
279	23.1	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

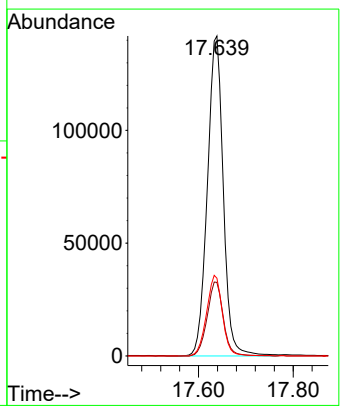
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 20.376 ng
RT: 17.639 min Scan# 2626
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:276 Resp: 331447

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	24.3	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	123440	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	466428	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	227730	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	369241	20.000	ng	0.00
76) Chrysene-d12	14.127	240	192349	20.000	ng	0.00
86) Perylene-d12	15.639	264	226517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	619840	79.335	ng	0.00
7) Phenol-d6	6.587	99	772641	78.673	ng	0.00
23) Nitrobenzene-d5	7.528	82	694498m	83.526	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	170969	84.198	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1326482	77.428	ng	0.00
79) Terphenyl-d14	13.074	244	1033540	78.547	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	154739	39.787	ng	100
3) Pyridine	3.581	79	393514	39.957	ng	100
4) n-Nitrosodimethylamine	3.522	42	201552	39.500	ng	100
6) Aniline	6.628	93	544405	39.365	ng	100
8) 2-Chlorophenol	6.751	128	314192	40.025	ng	100
9) Benzaldehyde	6.516	77	358216	47.869	ng	100
10) Phenol	6.598	94	421819m	39.676	ng	
11) bis(2-Chloroethyl)ether	6.698	93	323129	39.260	ng	100
12) 1,3-Dichlorobenzene	6.910	146	349154	39.371	ng	100
13) 1,4-Dichlorobenzene	6.987	146	348706	39.084	ng	100
14) 1,2-Dichlorobenzene	7.140	146	336818	39.587	ng	100
15) Benzyl Alcohol	7.098	79	288056	39.585	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.239	45	593735	39.134	ng	100
17) 2-Methylphenol	7.204	107	267472	39.484	ng	100
18) Hexachloroethane	7.487	117	116640	40.159	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	237958	39.549	ng	100
20) 3+4-Methylphenols	7.363	107	334719	40.291	ng	100
22) Acetophenone	7.375	105	437447	38.906	ng	100
24) Nitrobenzene	7.545	77	332013	41.364	ng	100
25) Isophorone	7.787	82	632327	39.346	ng	100
26) 2-Nitrophenol	7.863	139	112314	36.079	ng	100
27) 2,4-Dimethylphenol	7.892	122	298241	39.984	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	381576	39.155	ng	100
29) 2,4-Dichlorophenol	8.098	162	248676	40.752	ng	100
30) 1,2,4-Trichlorobenzene	8.192	180	274944	39.701	ng	100
31) Naphthalene	8.275	128	900967	38.898	ng	100
32) Benzoic acid	7.987	122	133968m	37.684	ng	
33) 4-Chloroaniline	8.310	127	371249	39.858	ng	100
34) Hexachlorobutadiene	8.392	225	165576	39.978	ng	100
35) Caprolactam	8.669	113	77472	40.657	ng	100
36) 4-Chloro-3-methylphenol	8.786	107	272885	40.145	ng	100
37) 2-Methylnaphthalene	8.963	142	540844	39.141	ng	100
38) 1-Methylnaphthalene	9.063	142	562696	39.263	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	263160	39.653	ng	100
41) Hexachlorocyclopentadiene	9.122	237	147221	40.011	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	171419	41.569	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	179101	41.422	ng	100
46) 1,1'-Biphenyl	9.428	154	713513	39.288	ng	100
47) 2-Chloronaphthalene	9.451	162	527800	39.561	ng	100
48) 2-Nitroaniline	9.533	65	149322	38.182	ng	100
49) Acenaphthylene	9.869	152	892054	40.126	ng	100
50) Dimethylphthalate	9.722	163	572658	39.971	ng	100
51) 2,6-Dinitrotoluene	9.775	165	106468	38.213	ng	100
52) Acenaphthene	10.039	154	513370	39.131	ng	100
53) 3-Nitroaniline	9.945	138	130953	42.301	ng	100
54) 2,4-Dinitrophenol	10.045	184	31236	37.582	ng	100
55) Dibenzofuran	10.210	168	772862	39.524	ng	100
56) 4-Nitrophenol	10.086	139	101948	41.436	ng	100
57) 2,4-Dinitrotoluene	10.180	165	134243	38.682	ng	100
58) Fluorene	10.551	166	567511	38.710	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	142027	41.334	ng	100
60) Diethylphthalate	10.422	149	557712	40.349	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	279817	39.822	ng	100
62) 4-Nitroaniline	10.557	138	113355	42.106	ng	100
63) Azobenzene	10.704	77	604710	39.558	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	47349	37.223	ng	100
66) n-Nitrosodiphenylamine	10.657	169	503590	38.827	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	164133	39.088	ng	100
68) Hexachlorobenzene	11.104	284	173911	39.034	ng	100
69) Atrazine	11.180	200	133416	40.206	ng	100
70) Pentachlorophenol	11.292	266	97625	39.938	ng	100
71) Phenanthrene	11.516	178	769372	38.609	ng	100
72) Anthracene	11.569	178	780754	38.961	ng	100
73) Carbazole	11.716	167	692468	38.572	ng	100
74) Di-n-butylphthalate	12.051	149	680394	41.288	ng	100
75) Fluoranthene	12.704	202	708736	39.115	ng	100
77) Benzidine	12.816	184	321029	48.989	ng	100
78) Pyrene	12.933	202	708631	39.706	ng	100
80) Butylbenzylphthalate	13.551	149	132061	37.625	ng	100
81) Benzo(a)anthracene	14.121	228	518137	40.424	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	148294	39.841	ng	100
83) Chrysene	14.157	228	461979	39.134	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	198176	37.454	ng	100
85) Di-n-octyl phthalate	14.727	149	354747	36.531	ng	100
87) Indeno(1,2,3-cd)pyrene	17.180	276	689277	40.912	ng	100
88) Benzo(b)fluoranthene	15.192	252	490240	37.520	ng	100
89) Benzo(k)fluoranthene	15.221	252	520058	41.721	ng	100
90) Benzo(a)pyrene	15.574	252	509307	41.215	ng	100
91) Dibenzo(a,h)anthracene	17.198	278	561661	40.782	ng	100
92) Benzo(g,h,i)perylene	17.645	276	569850	40.584	ng	100

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

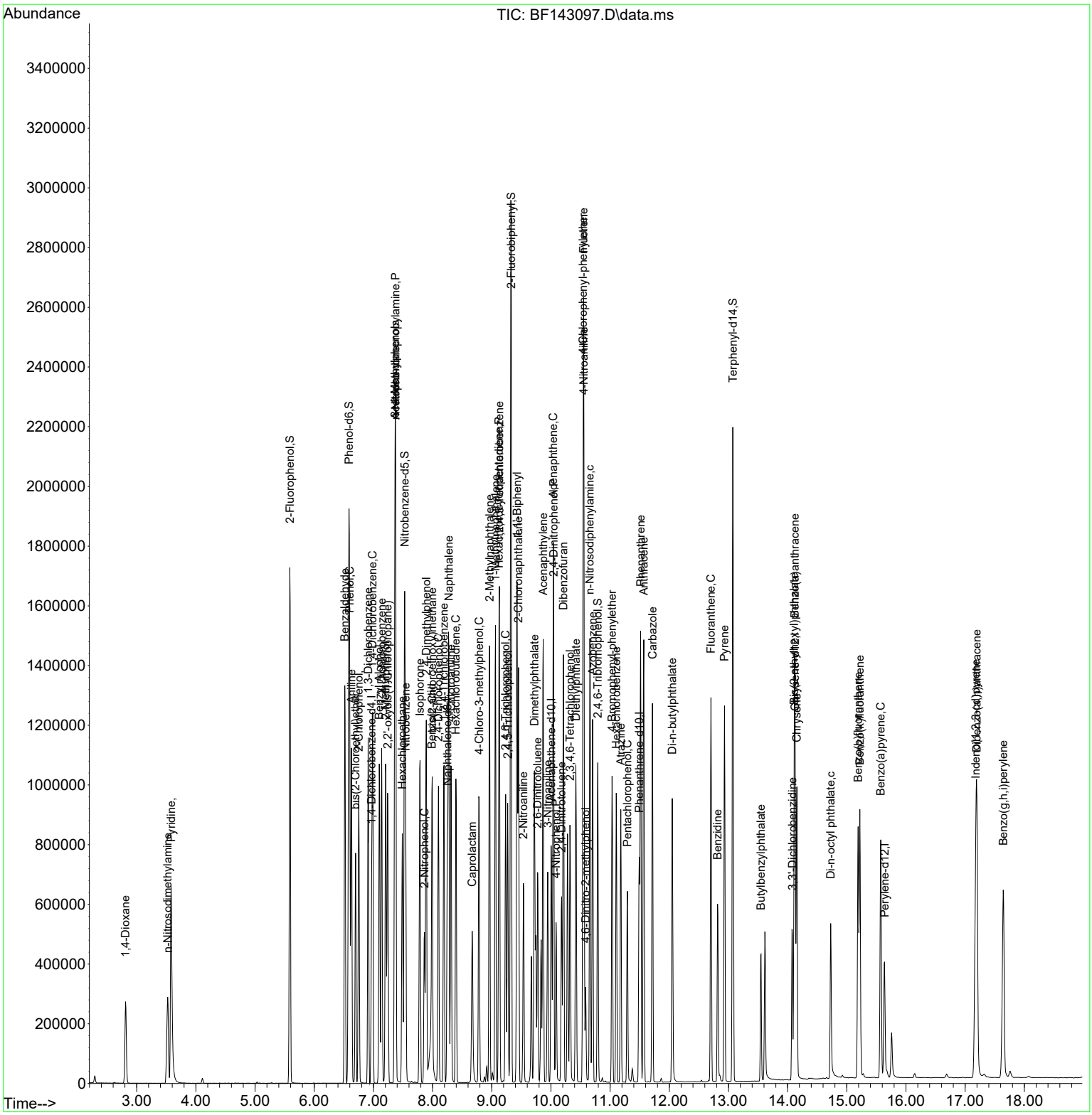
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

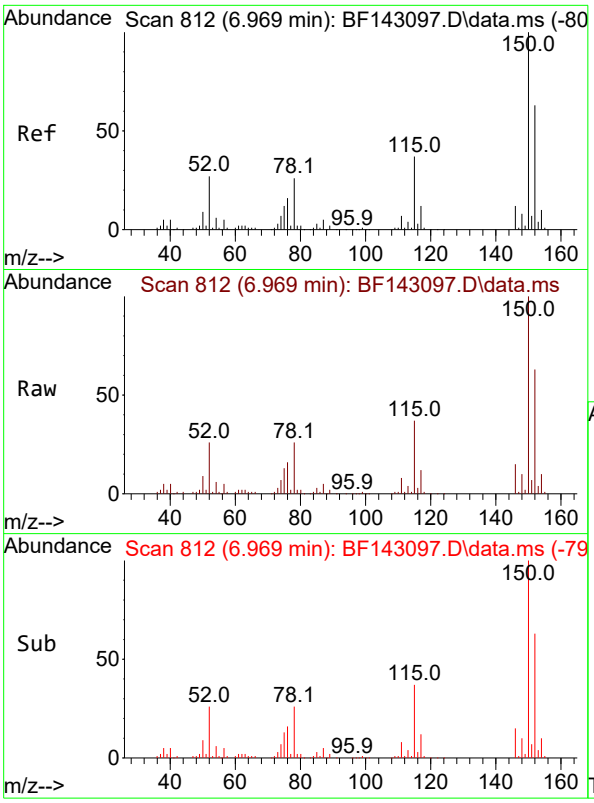
Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

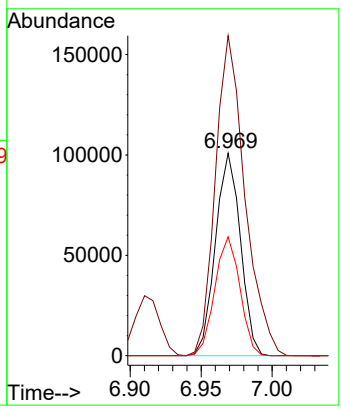




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:152 Resp: 12344

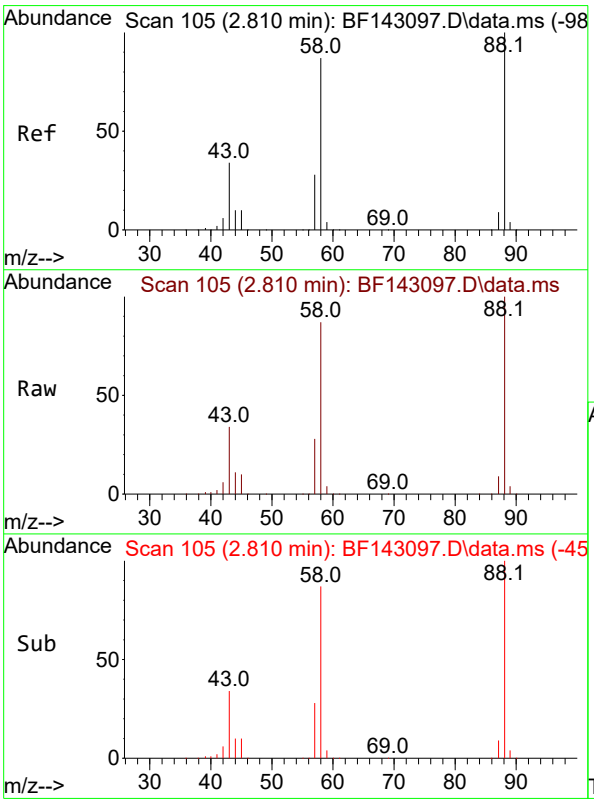
Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.5	189.7
115	58.8	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

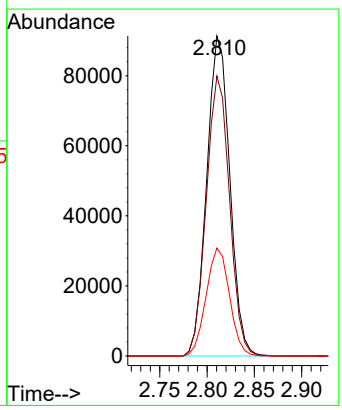
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

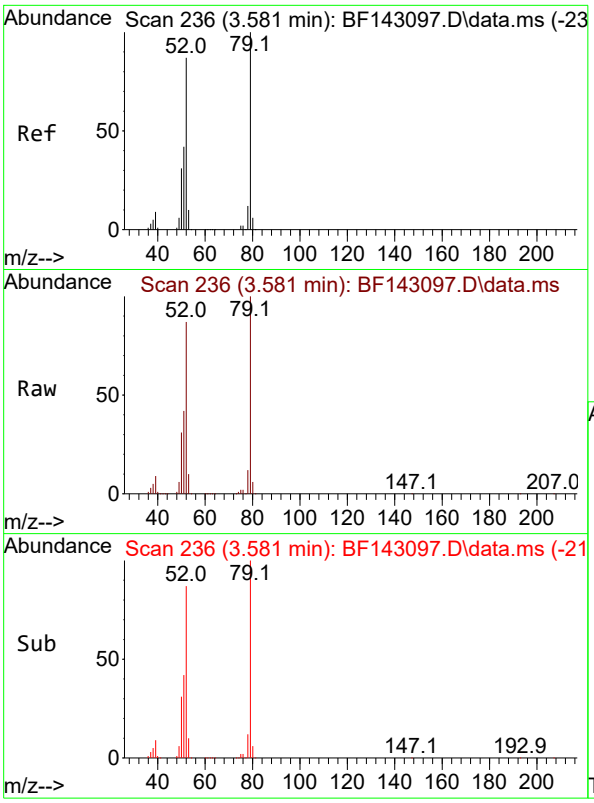


#2
1,4-Dioxane
Concen: 39.787 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 88 Resp: 154739

Ion	Ratio	Lower	Upper
88	100		
58	88.1	70.5	105.7
43	34.1	27.3	40.9

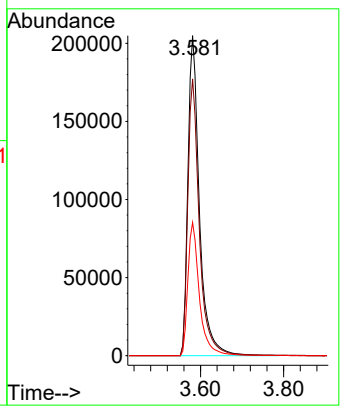




#3
Pyridine
Concen: 39.957 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 79 Resp: 39351

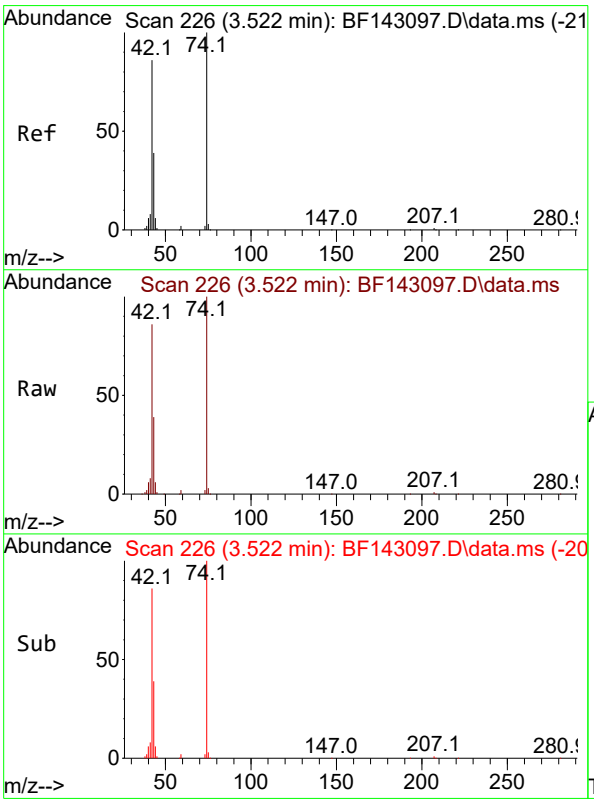
Ion	Ratio	Lower	Upper
79	100		
52	86.5	69.2	103.8
51	41.6	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

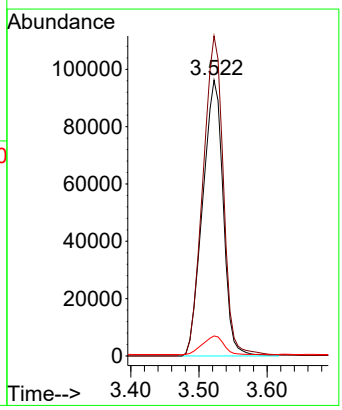
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

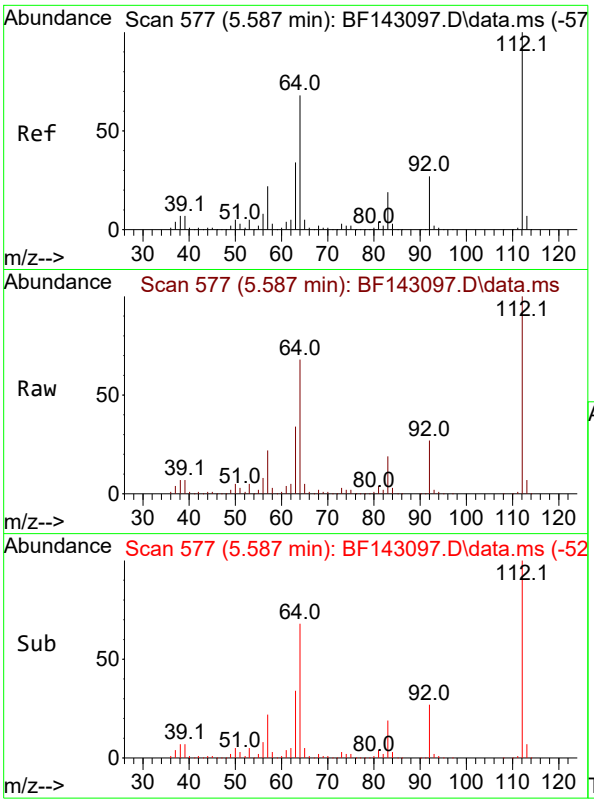


#4
n-Nitrosodimethylamine
Concen: 39.500 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 42 Resp: 201552

Ion	Ratio	Lower	Upper
42	100		
74	116.0	92.8	139.2
44	7.2	5.8	8.6





#5
2-Fluorophenol
Concen: 79.335 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

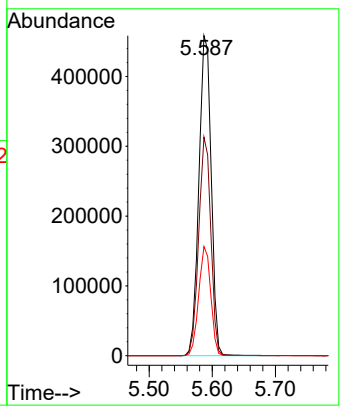
Tgt Ion:112 Resp: 61984

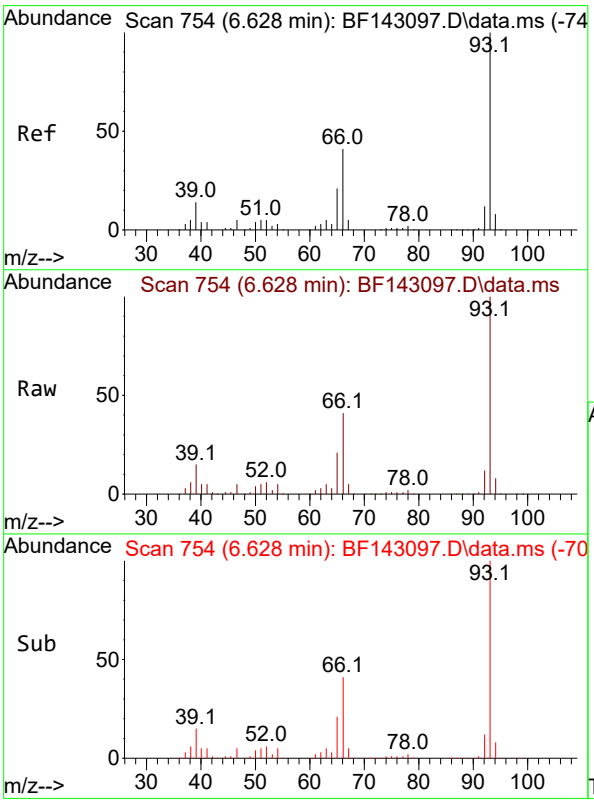
Ion	Ratio	Lower	Upper
112	100		
64	68.3	54.6	82.0
63	34.1	27.3	40.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

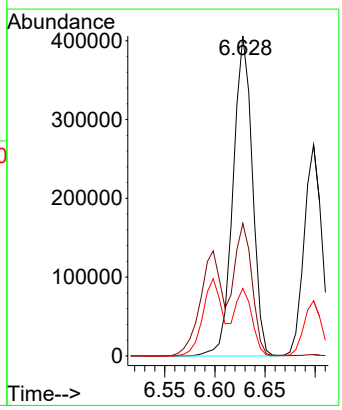


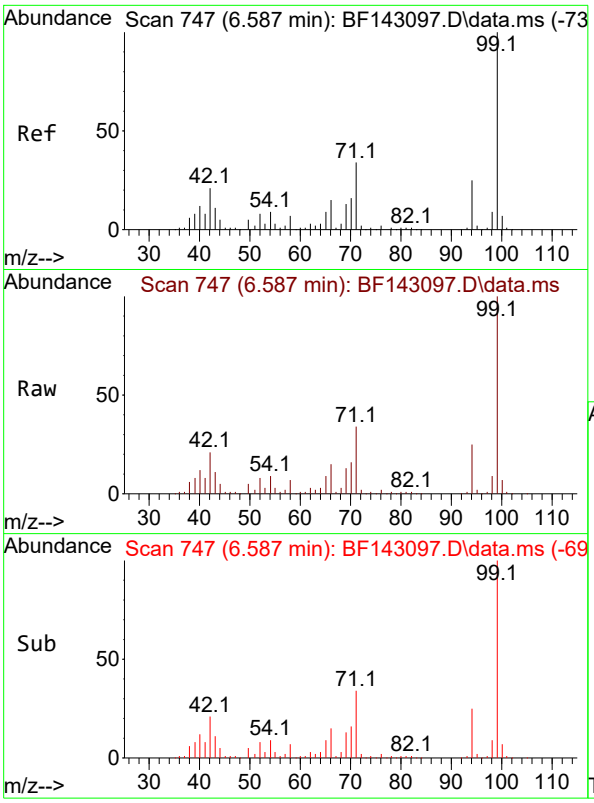


#6
Aniline
Concen: 39.365 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 544405

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.1	49.7
65	21.1	16.9	25.3

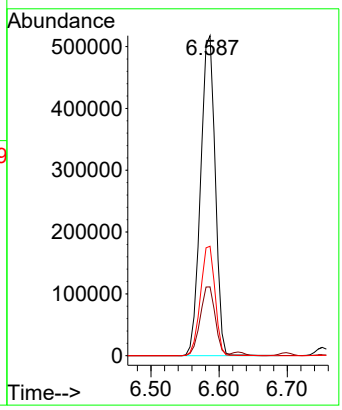




#7
Phenol-d6
Concen: 78.673 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 99 Resp: 77264

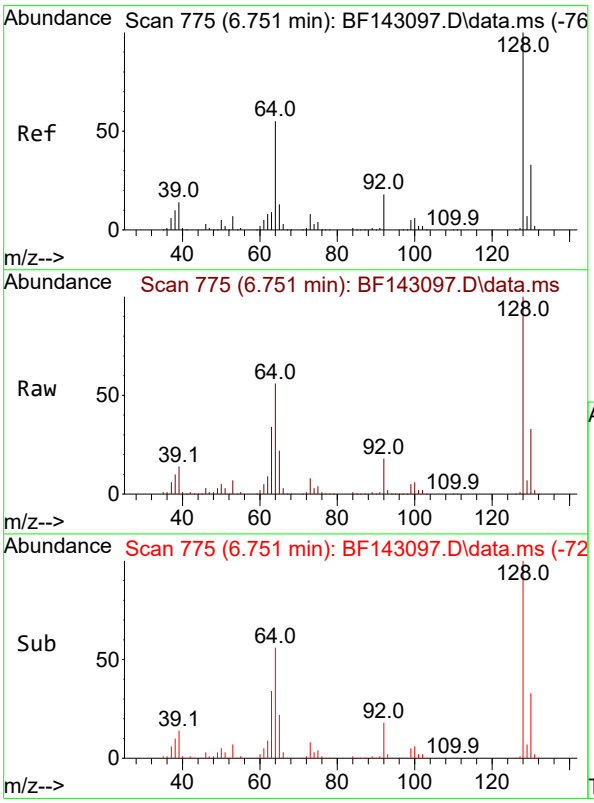
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	34.2	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

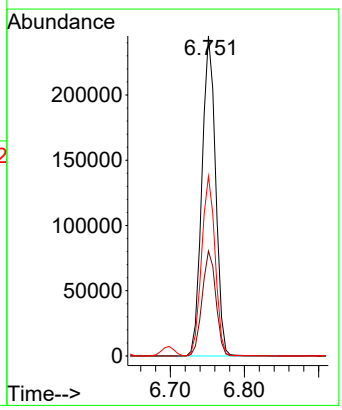
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

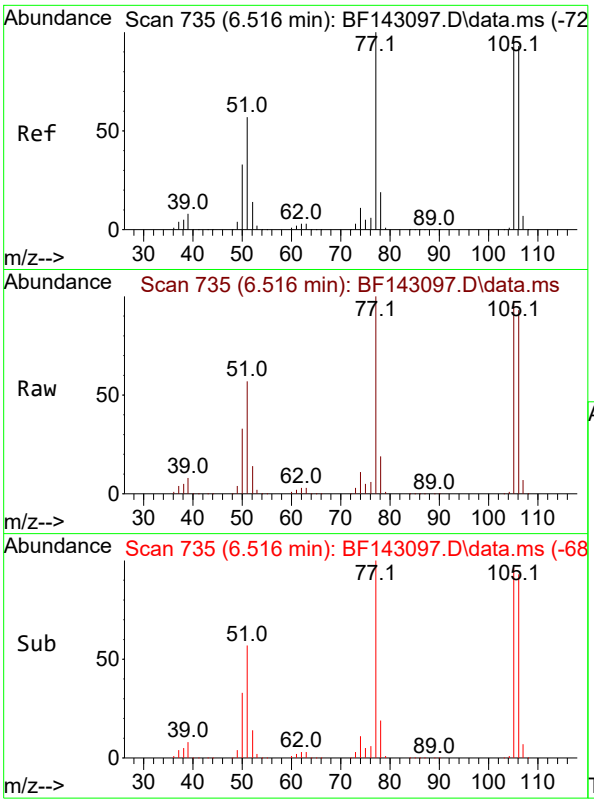


#8
2-Chlorophenol
Concen: 40.025 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:128 Resp: 314192

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	56.1	36.1	76.1

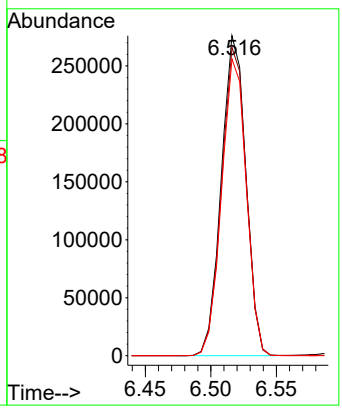




#9
Benzaldehyde
Concen: 47.869 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 35821

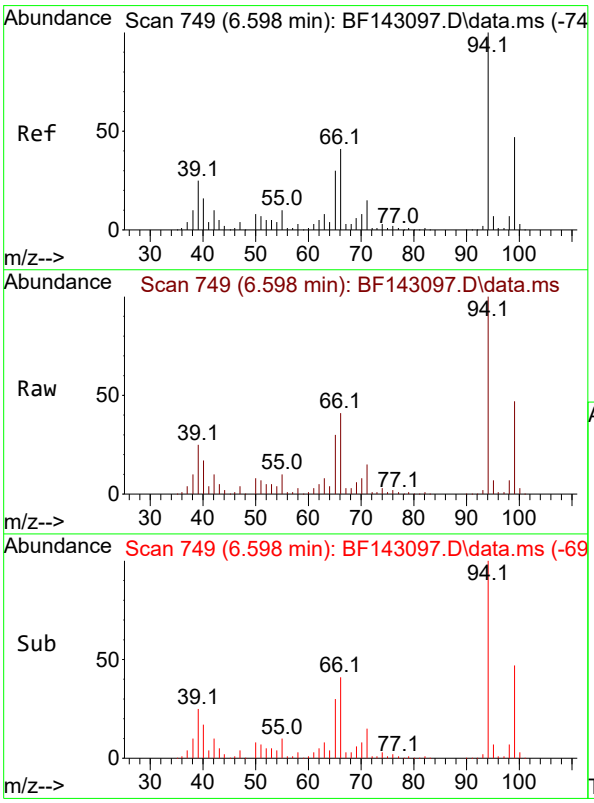
Ion	Ratio	Lower	Upper
77	100		
105	96.3	76.3	116.3
106	92.8	72.8	112.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

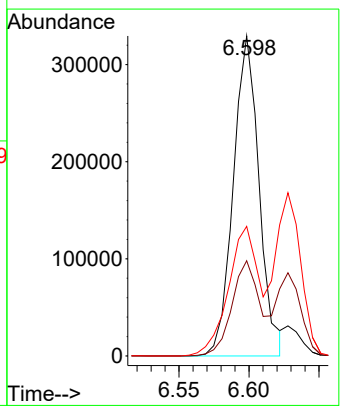
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

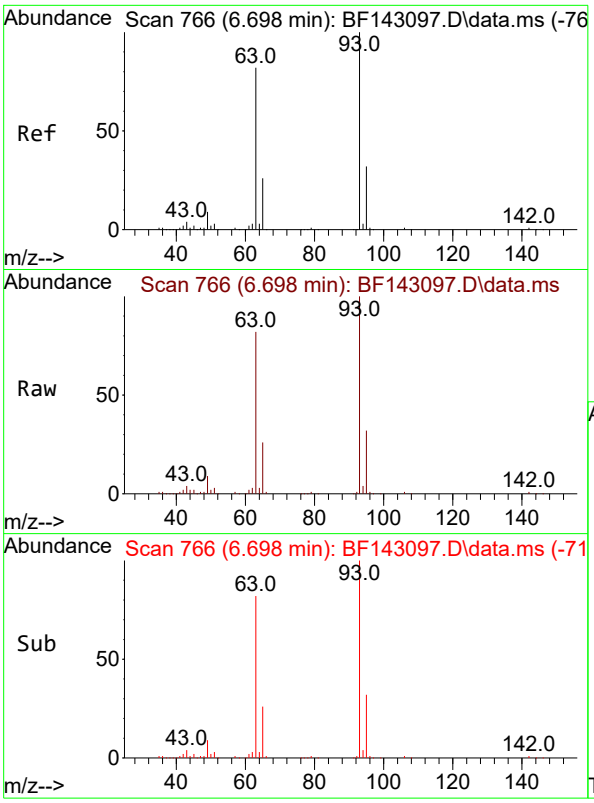


#10
Phenol
Concen: 39.676 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 94 Resp: 421819

Ion	Ratio	Lower	Upper
94	100		
65	29.8	9.8	49.8
66	40.5	20.5	60.5

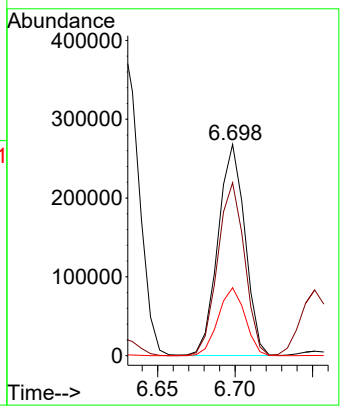




#11
bis(2-Chloroethyl)ether
Concen: 39.260 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 32312

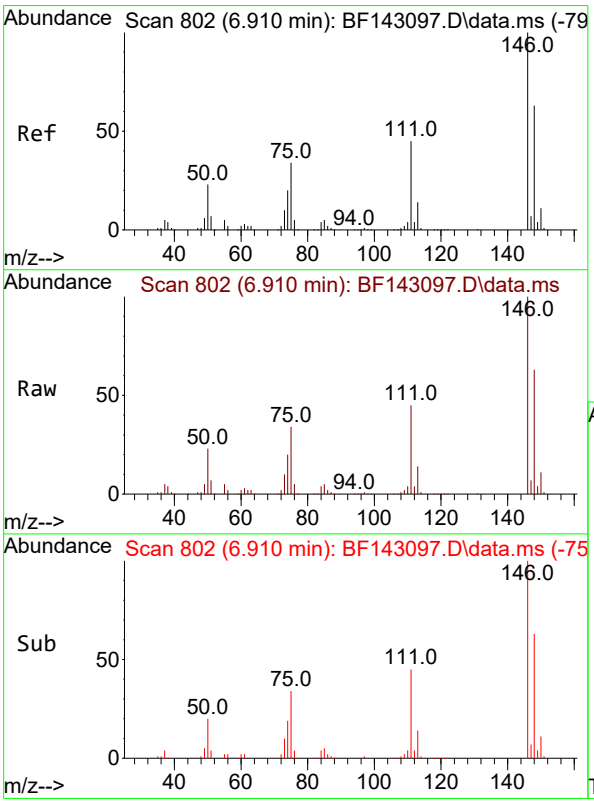
Ion	Ratio	Lower	Upper
93	100		
63	81.9	61.9	101.9
95	32.2	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

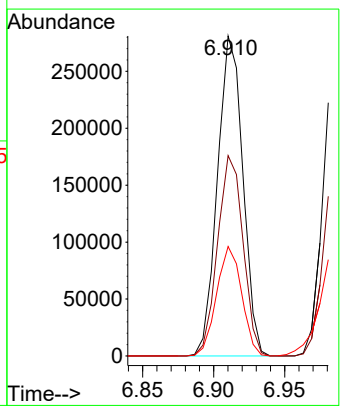
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

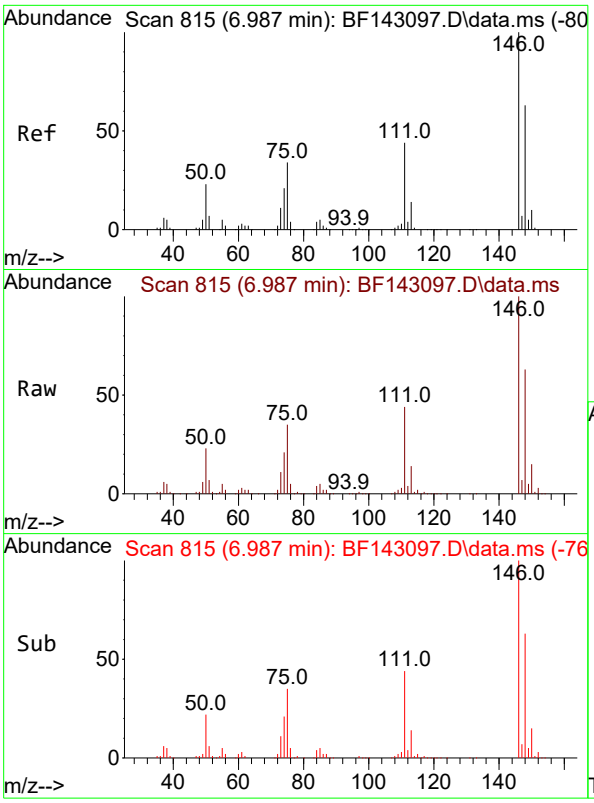


#12
1,3-Dichlorobenzene
Concen: 39.371 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 349154

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.1	75.1
75	34.2	27.4	41.0

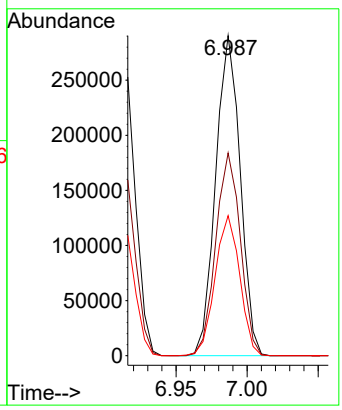




#13
1,4-Dichlorobenzene
Concen: 39.084 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 34870

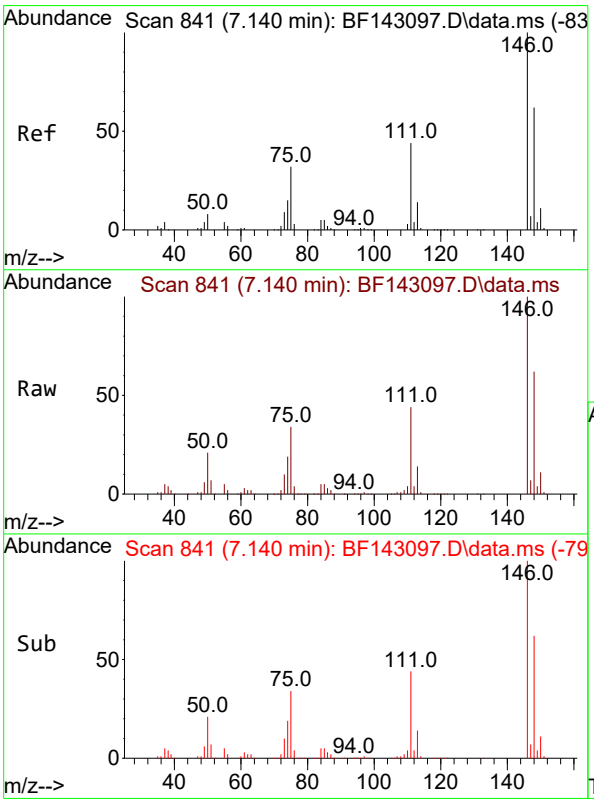
Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	43.8	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

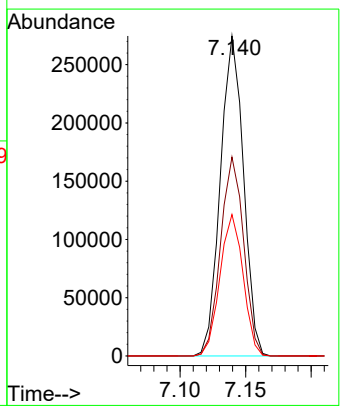
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

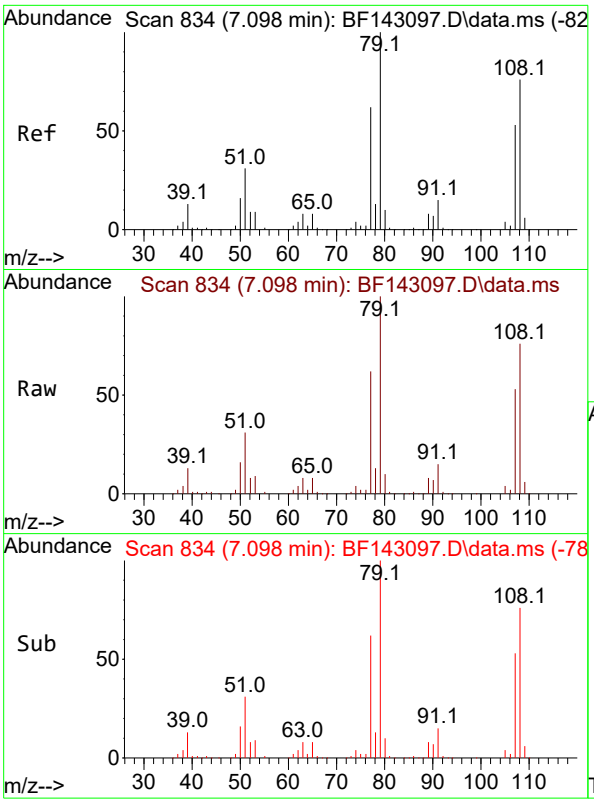


#14
1,2-Dichlorobenzene
Concen: 39.587 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 336818

Ion	Ratio	Lower	Upper
146	100		
148	62.2	49.8	74.6
111	44.2	35.4	53.0

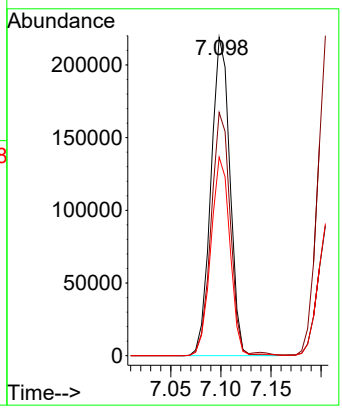




#15
Benzyl Alcohol
Concen: 39.585 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 79 Resp: 28805

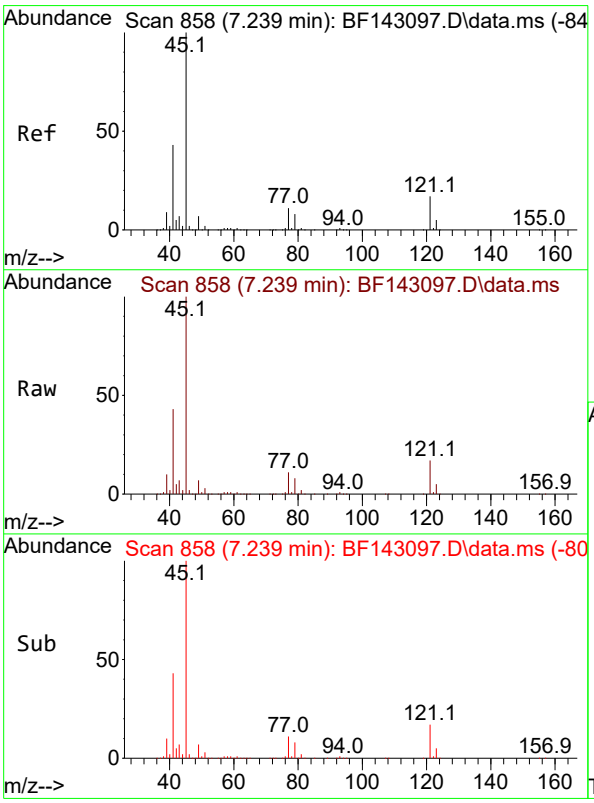
Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.1	91.7
77	62.4	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

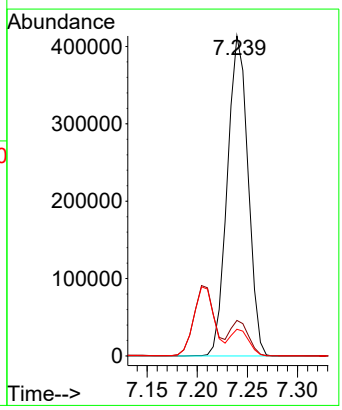
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

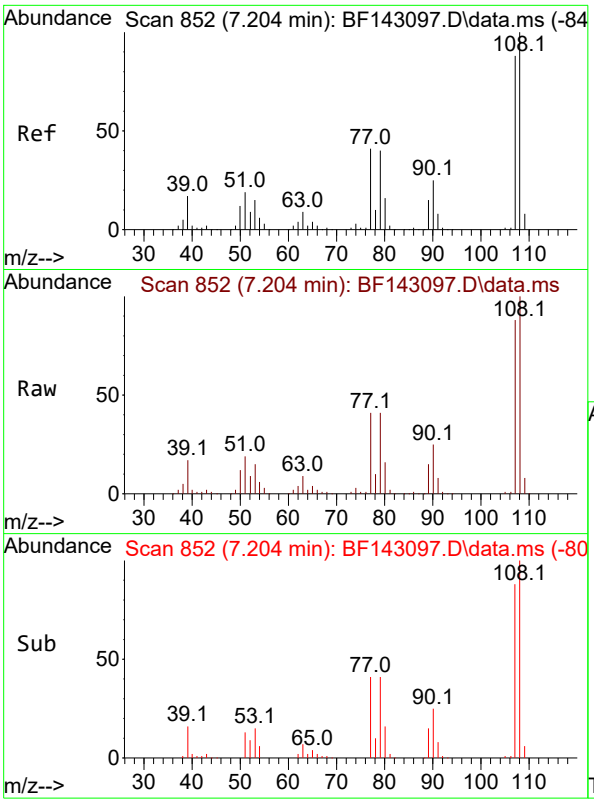


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.134 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 45 Resp: 593735

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.1
79	8.4	0.0	28.4

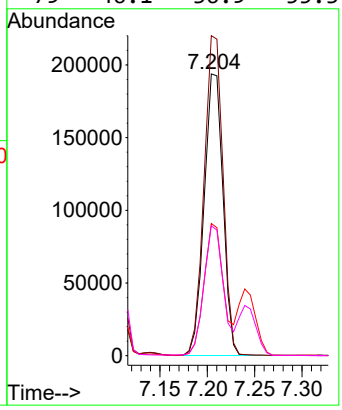




#17
2-Methylphenol
Concen: 39.484 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 26747

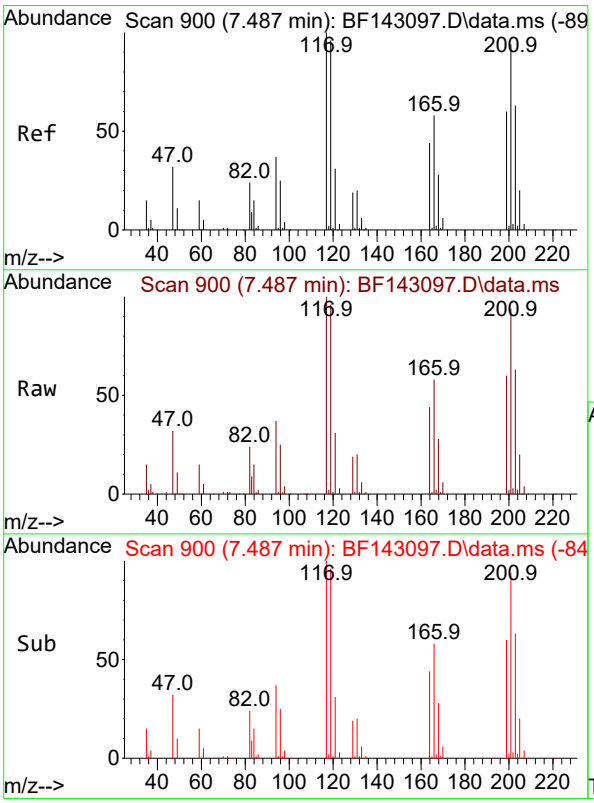
Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.9	136.3
77	46.9	37.5	56.3
79	46.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

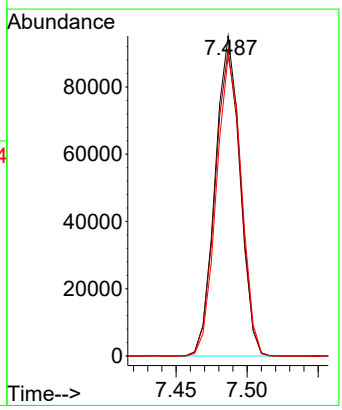
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

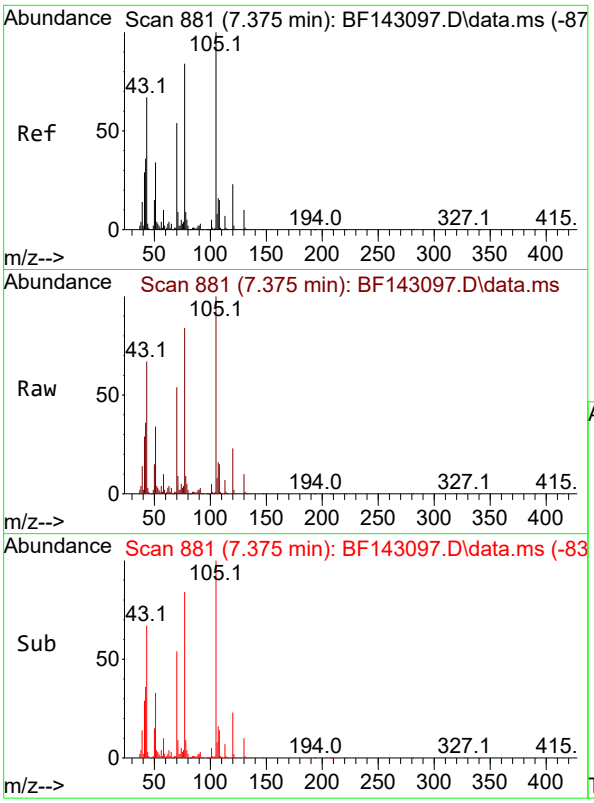


#18
Hexachloroethane
Concen: 40.159 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:117 Resp: 116640

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
201	93.7	75.0	112.4

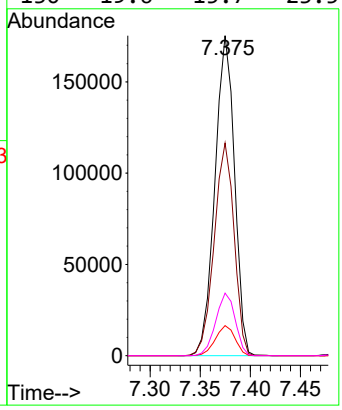




#19
n-Nitroso-di-n-propylamine
Concen: 39.549 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 70 Resp: 23795

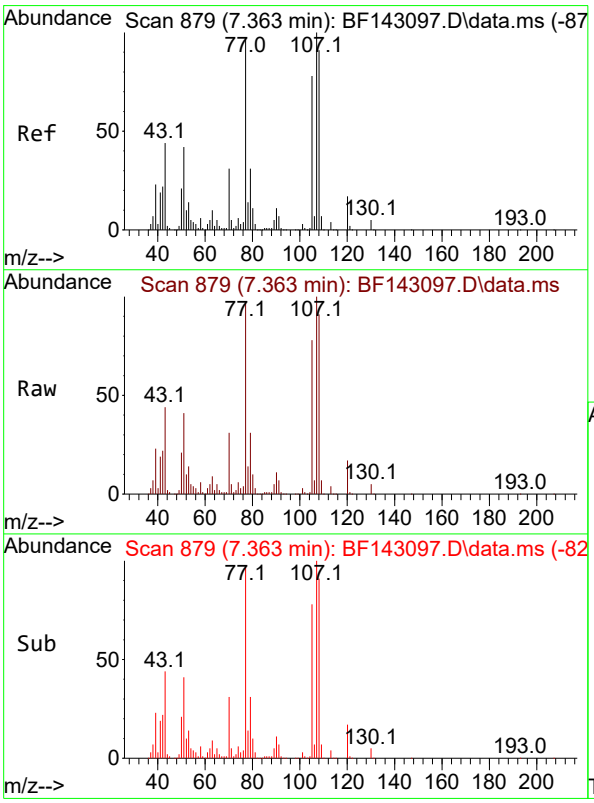
Ion	Ratio	Lower	Upper
70	100		
42	66.5	53.2	79.8
101	9.4	7.5	11.3
130	19.6	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

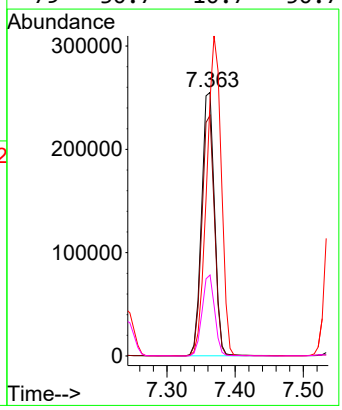
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

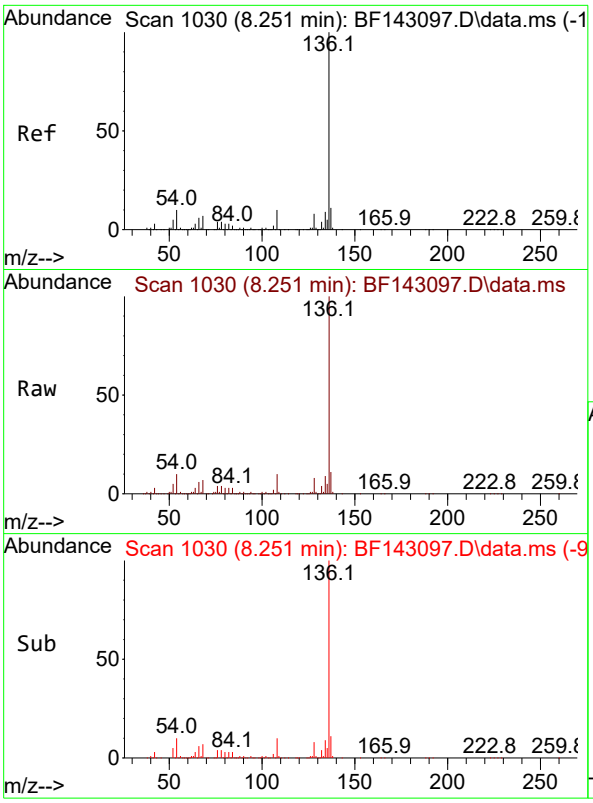


#20
3+4-Methylphenols
Concen: 40.291 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 334719

Ion	Ratio	Lower	Upper
107	100		
108	91.3	71.3	111.3
77	97.2	77.2	117.2
79	30.7	10.7	50.7

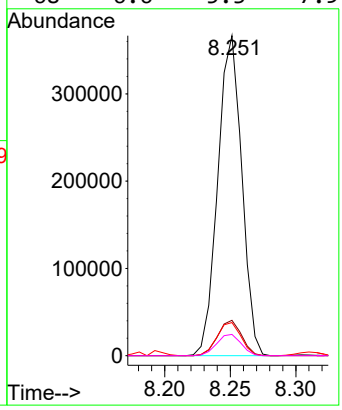




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:136 Resp: 46642

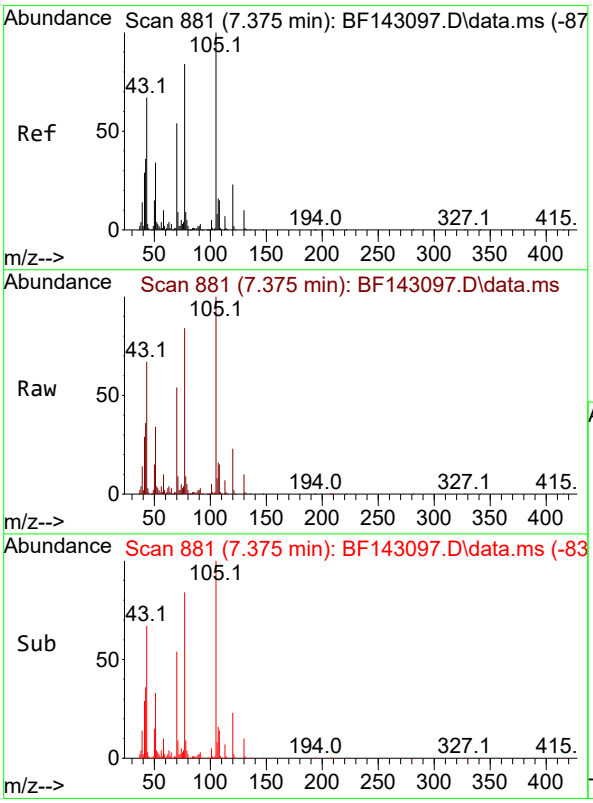
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.4	8.3	12.5
68	6.6	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

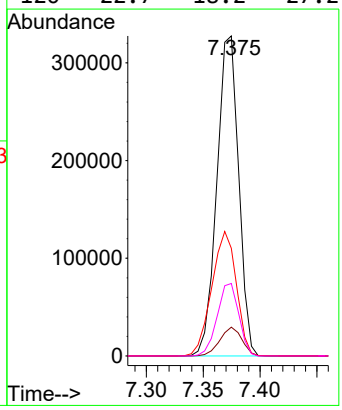
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

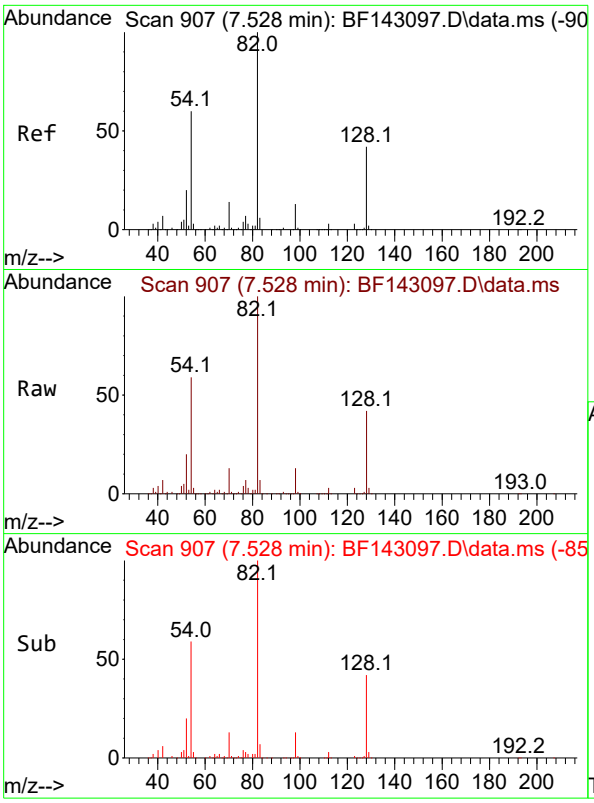


#22
Acetophenone
Concen: 38.906 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:105 Resp: 437447

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	33.7	27.0	40.4
120	22.7	18.2	27.2





#23
Nitrobenzene-d5
Concen: 83.526 ng m
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

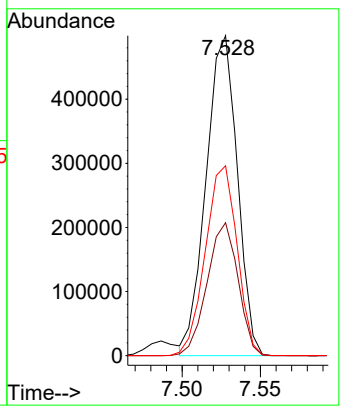
Tgt Ion: 82 Resp: 69449

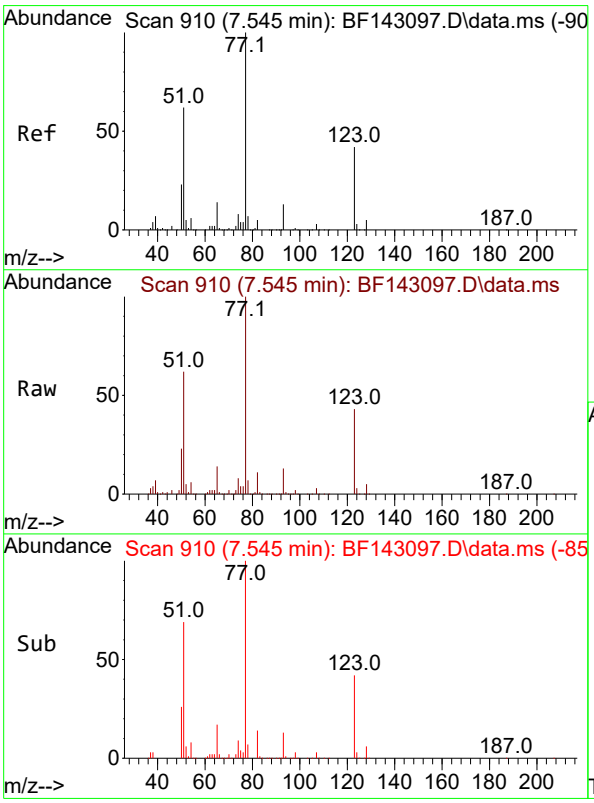
Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.3	49.9
54	59.3	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

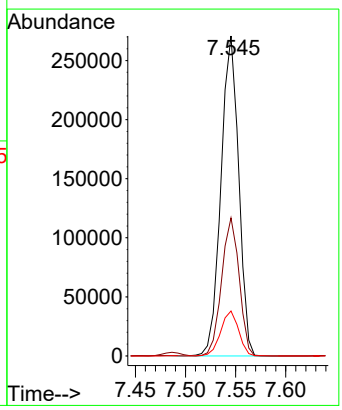


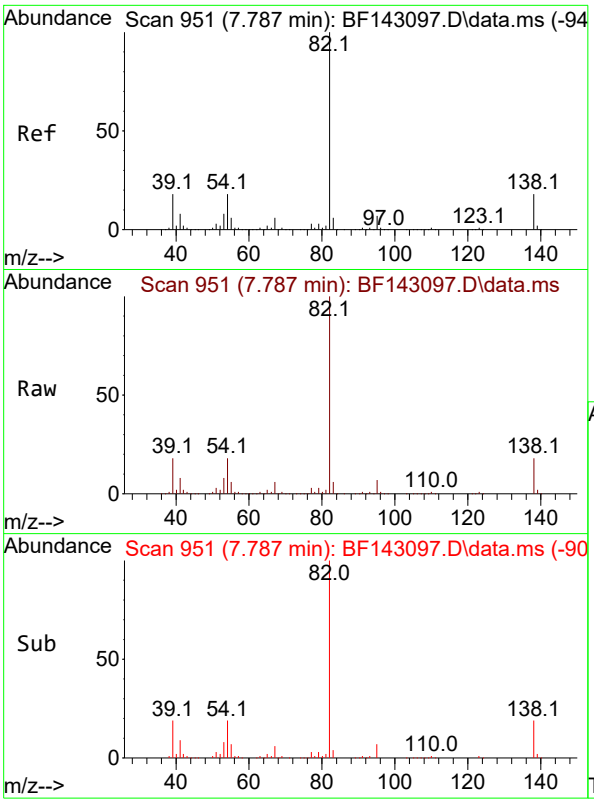


#24
Nitrobenzene
Concen: 41.364 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 332013

Ion	Ratio	Lower	Upper
77	100		
123	43.1	34.5	51.7
65	14.1	11.3	16.9





#25
Isophorone
Concen: 39.346 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

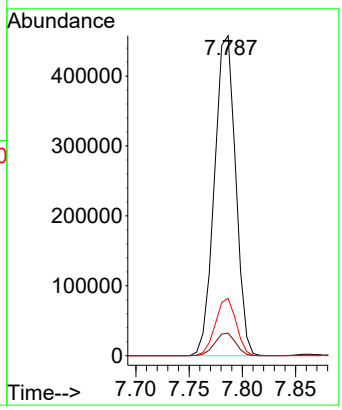
Tgt Ion: 82 Resp: 63232

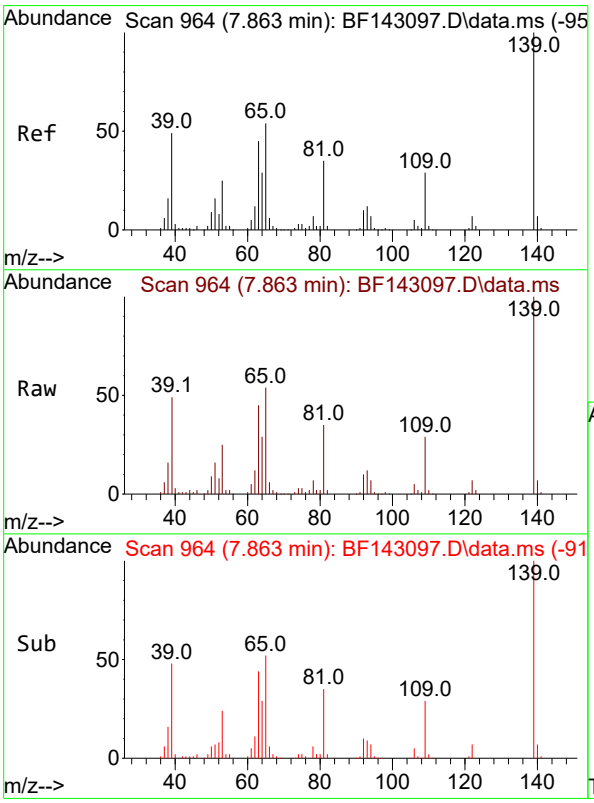
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.9	14.3	21.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

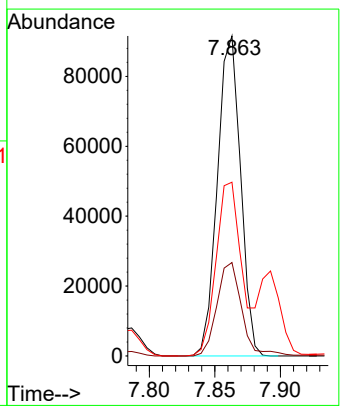


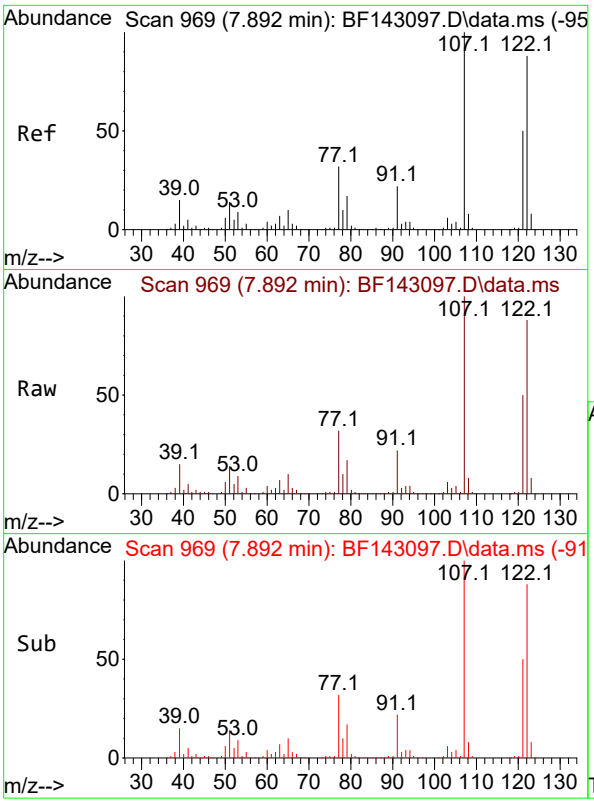


#26
2-Nitrophenol
Concen: 36.079 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 112314

Ion	Ratio	Lower	Upper
139	100		
109	29.2	23.4	35.0
65	54.3	43.4	65.2

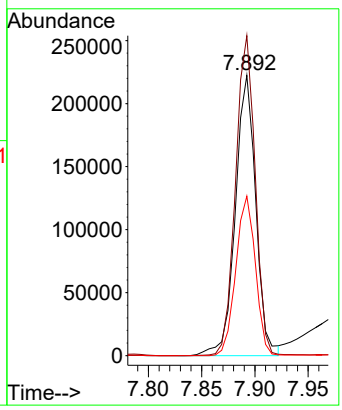




#27
2,4-Dimethylphenol
Concen: 39.984 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:122 Resp: 29824

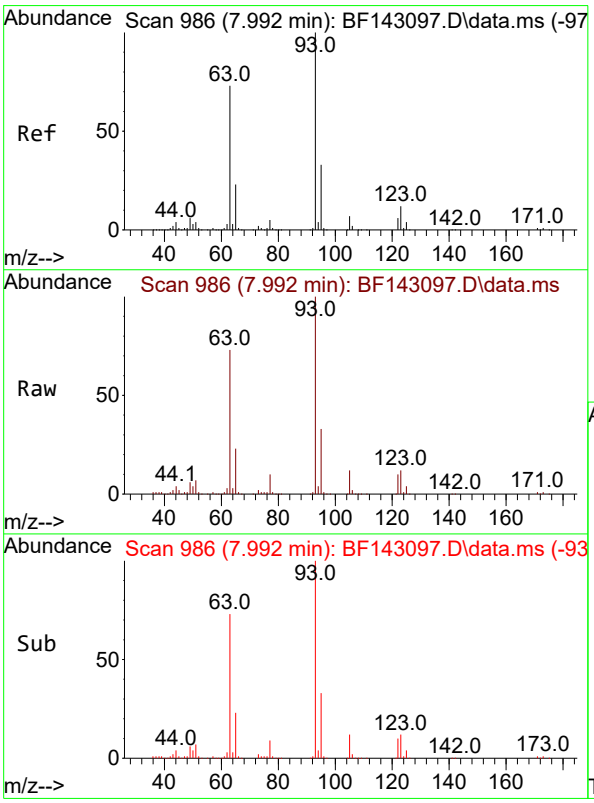
Ion	Ratio	Lower	Upper
122	100		
107	114.1	91.3	136.9
121	56.9	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

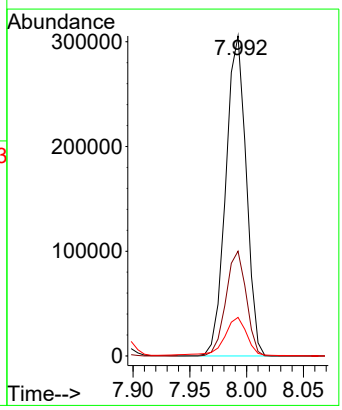
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

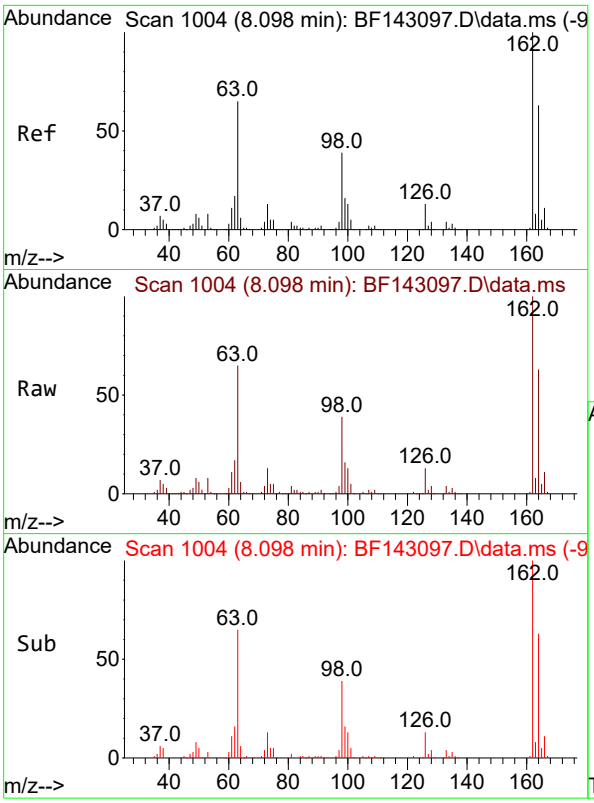


#28
bis(2-Chloroethoxy)methane
Concen: 39.155 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 381576

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.0	9.6	14.4





#29
2,4-Dichlorophenol
Concen: 40.752 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

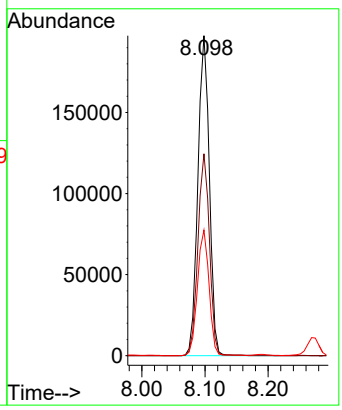
Tgt Ion:162 Resp: 24867

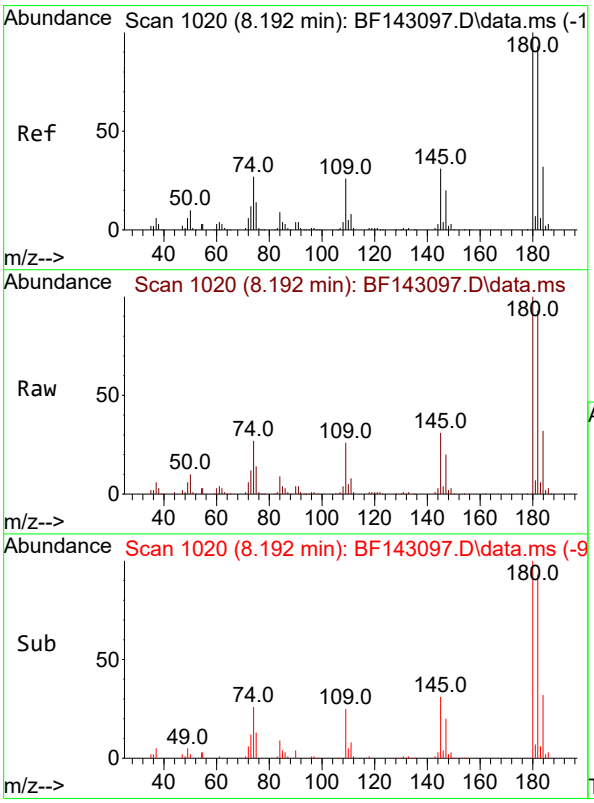
Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.1	83.1
98	39.2	19.2	59.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

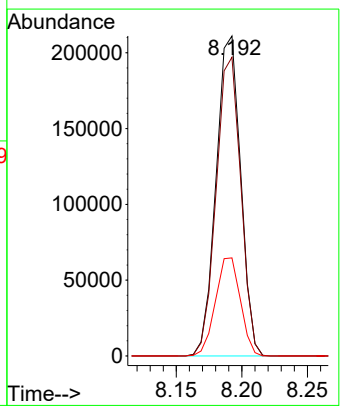


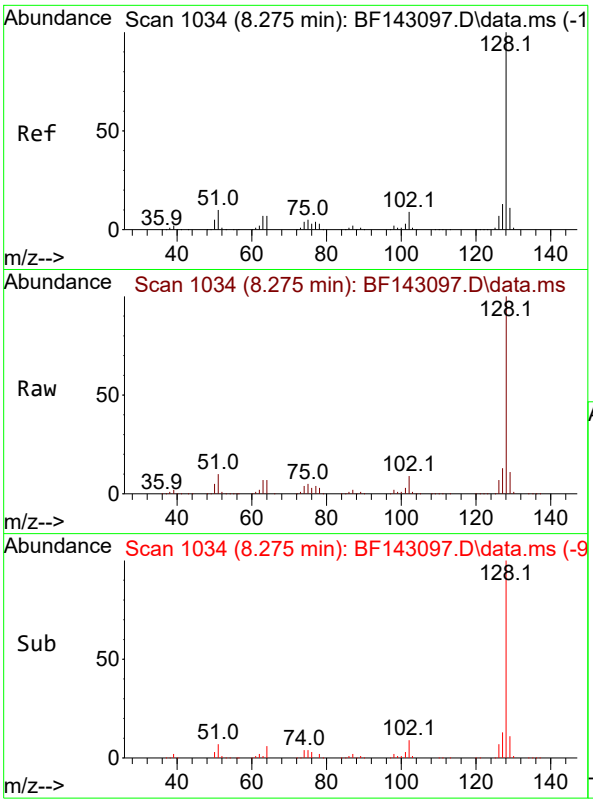


#30
1,2,4-Trichlorobenzene
Concen: 39.701 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:180 Resp: 274944

Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.7	112.1
145	30.6	24.5	36.7

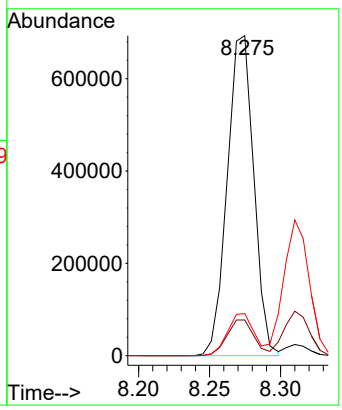




#31
Naphthalene
Concen: 38.898 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:128 Resp: 90096

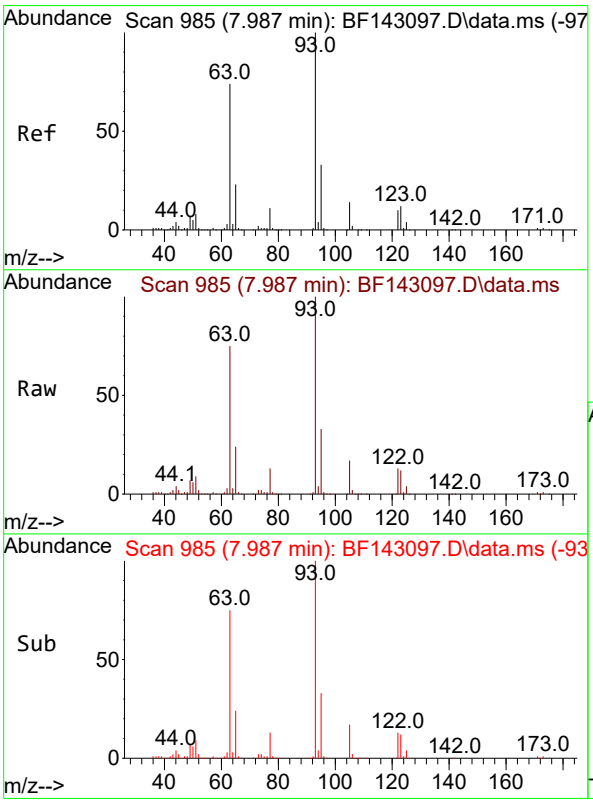
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

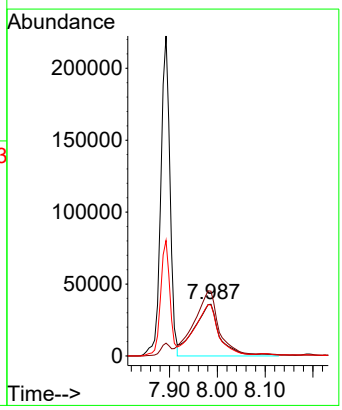
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

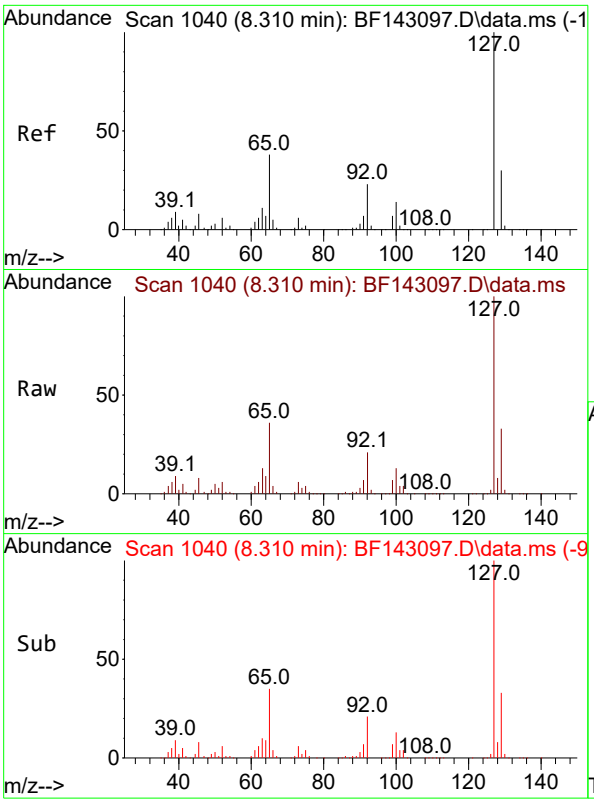


#32
Benzoic acid
Concen: 37.684 ng m
RT: 7.987 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:122 Resp: 133968

Ion	Ratio	Lower	Upper
122	100		
105	125.4	105.4	145.4
77	98.6	78.6	118.6

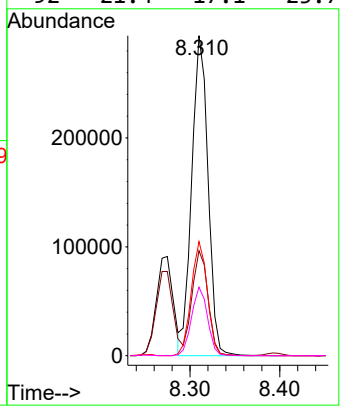




#33
4-Chloroaniline
Concen: 39.858 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:127 Resp: 37124

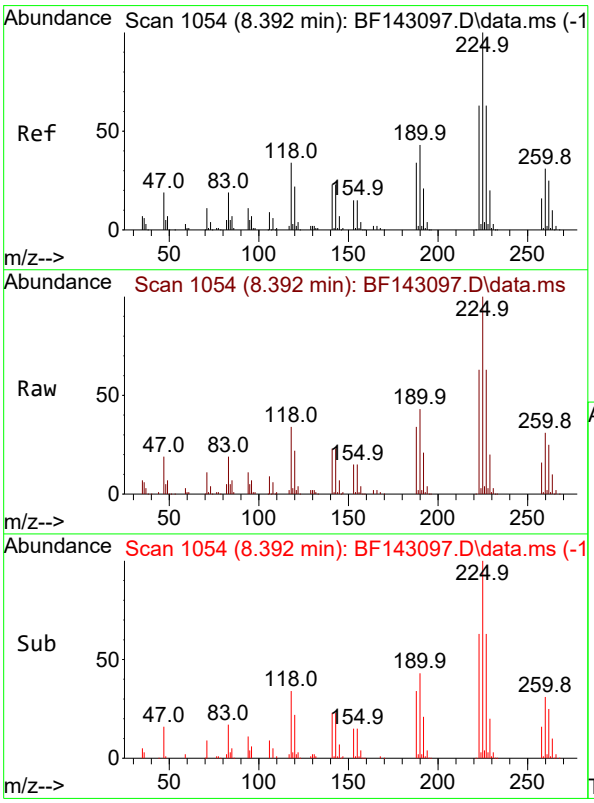
Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	35.7	28.6	42.8
92	21.4	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

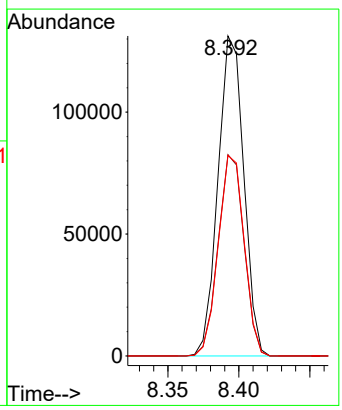
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

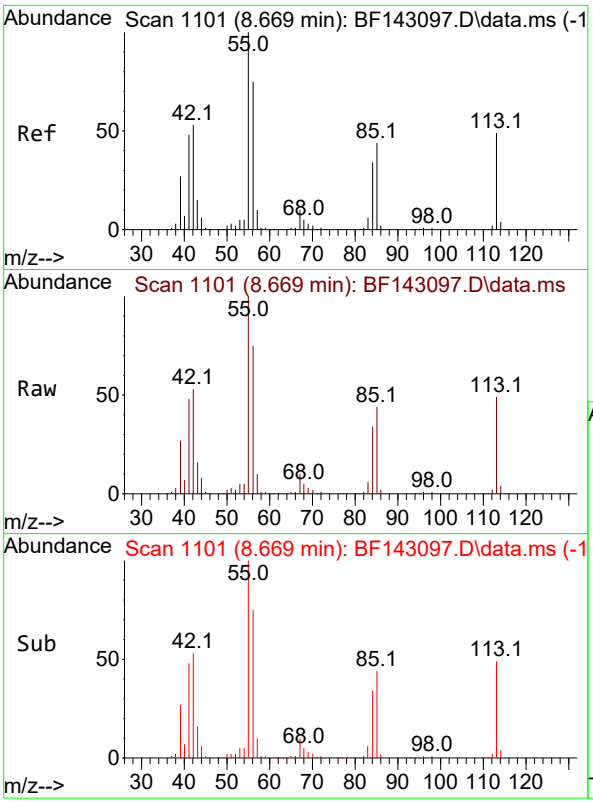


#34
Hexachlorobutadiene
Concen: 39.978 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:225 Resp: 165576

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	62.6	50.1	75.1

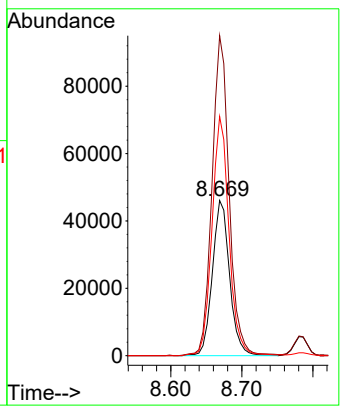




#35
Caprolactam
Concen: 40.657 ng
RT: 8.669 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:113 Resp: 7747

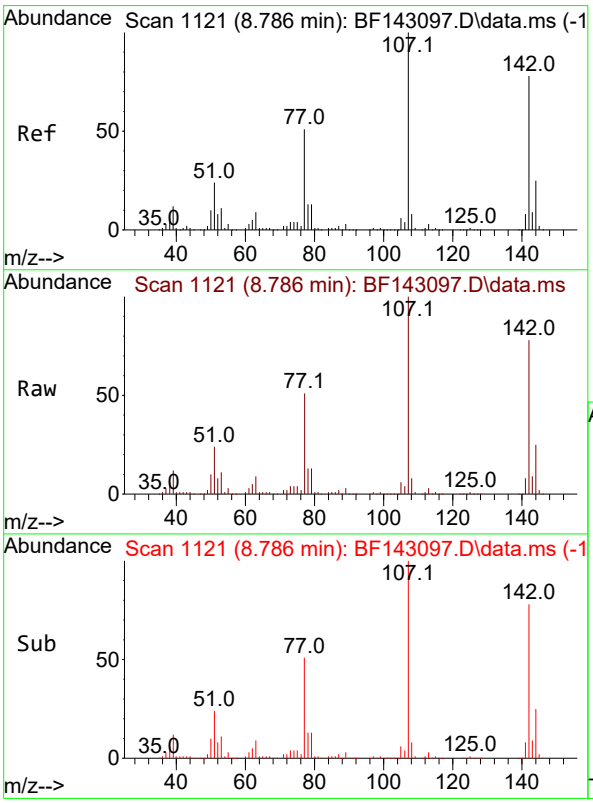
Ion	Ratio	Lower	Upper
113	100		
55	206.2	186.2	226.2
56	154.1	134.1	174.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

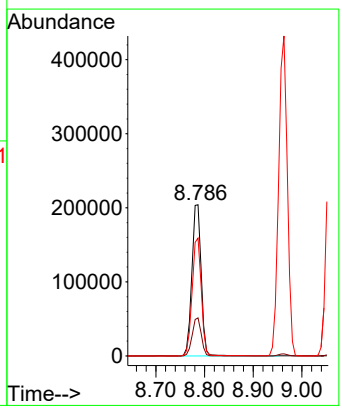
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

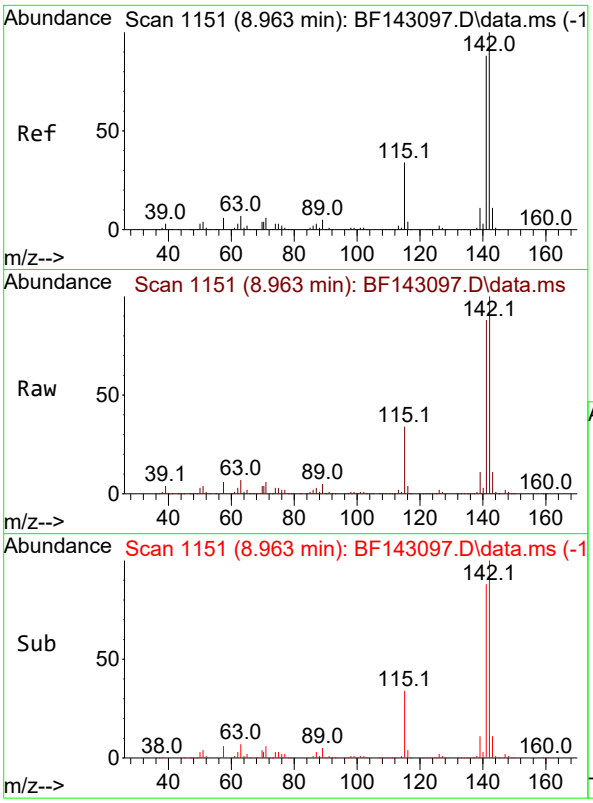


#36
4-Chloro-3-methylphenol
Concen: 40.145 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 272885

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	78.0	62.4	93.6





#37
2-Methylnaphthalene
Concen: 39.141 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

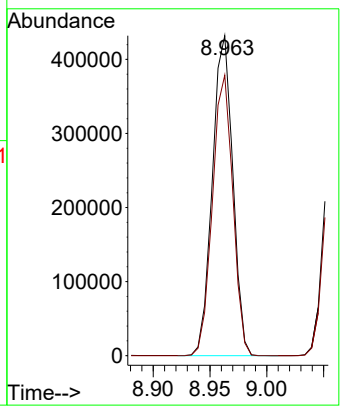
Tgt Ion:142 Resp: 54084

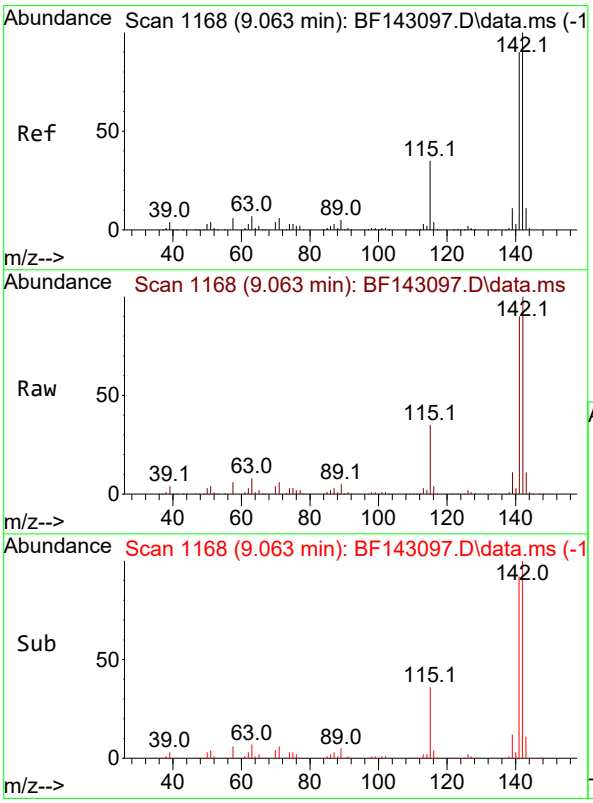
Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.2	105.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

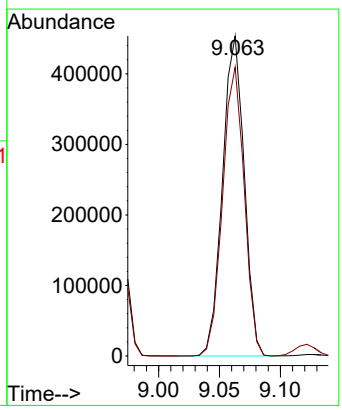


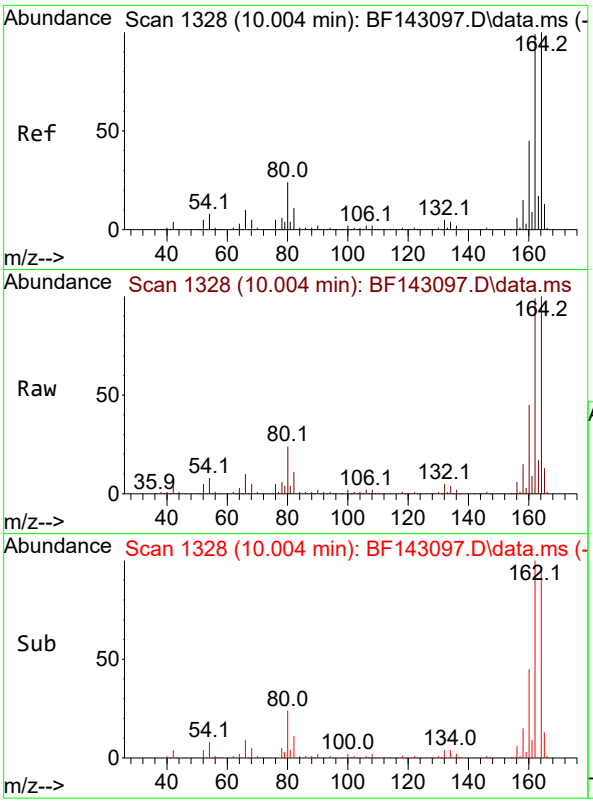


#38
1-Methylnaphthalene
Concen: 39.263 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:142 Resp: 562696

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

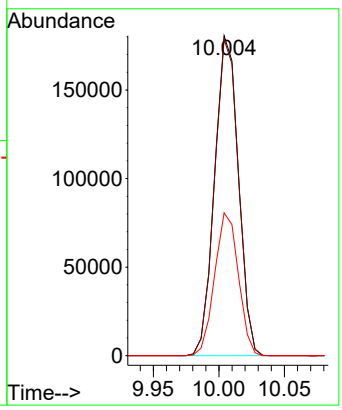
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

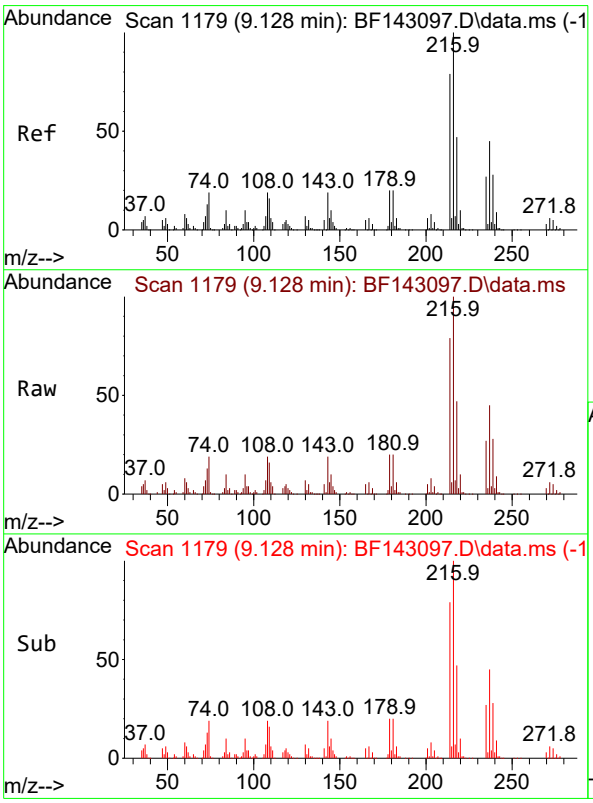
Tgt Ion:164 Resp: 22773

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	44.7	35.8	53.6

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

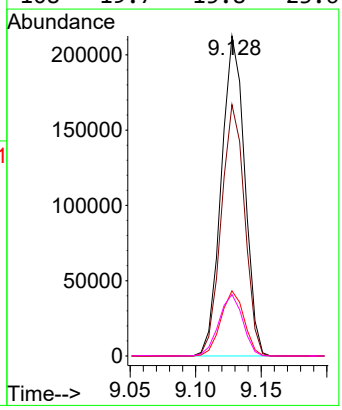


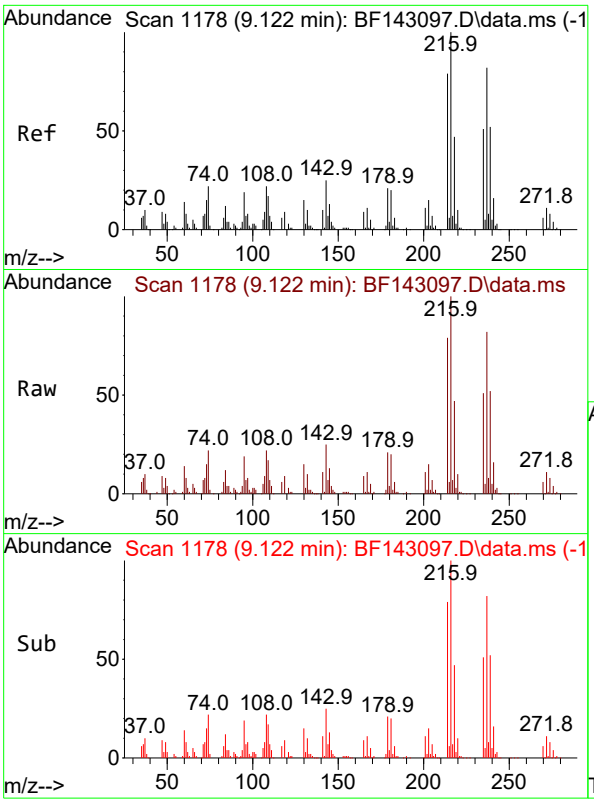


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.653 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:216 Resp: 263160

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	20.2	16.2	24.2
108	19.7	15.8	23.6

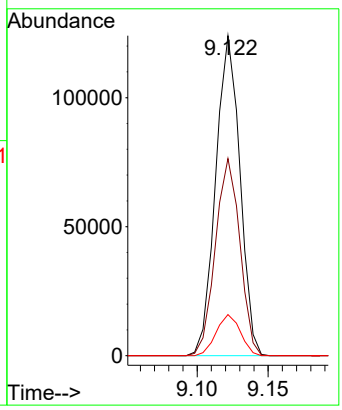




#41
Hexachlorocyclopentadiene
Concen: 40.011 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:237 Resp: 14722

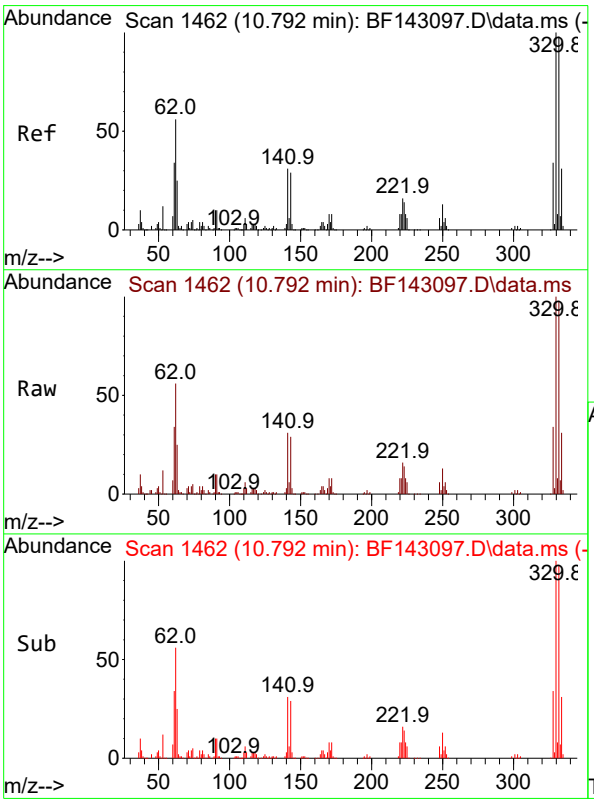
Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.6	81.6
272	12.9	0.0	32.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

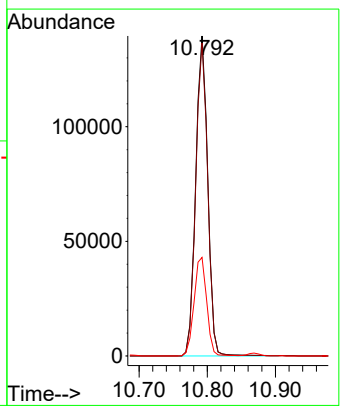
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

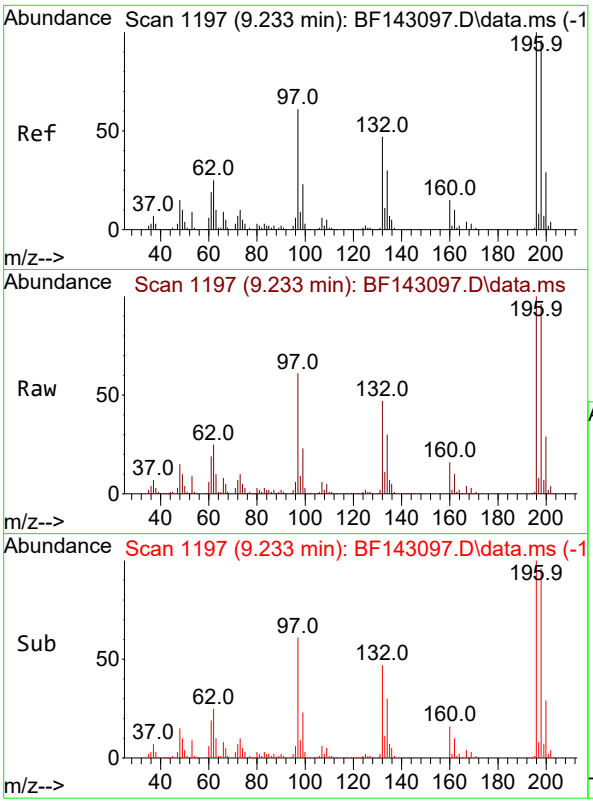


#42
2,4,6-Tribromophenol
Concen: 84.198 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:330 Resp: 170969

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.9	116.9
141	32.4	25.9	38.9

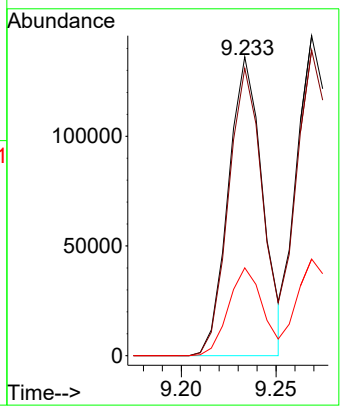




#43
2,4,6-Trichlorophenol
Concen: 41.569 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:196 Resp: 17141

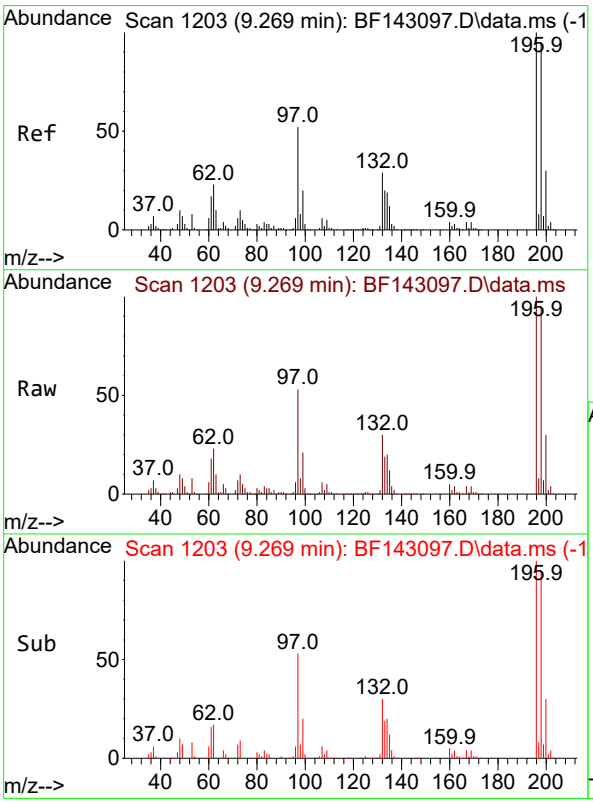
Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.9	115.3
200	29.4	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

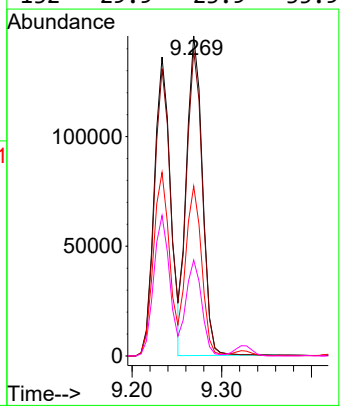
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

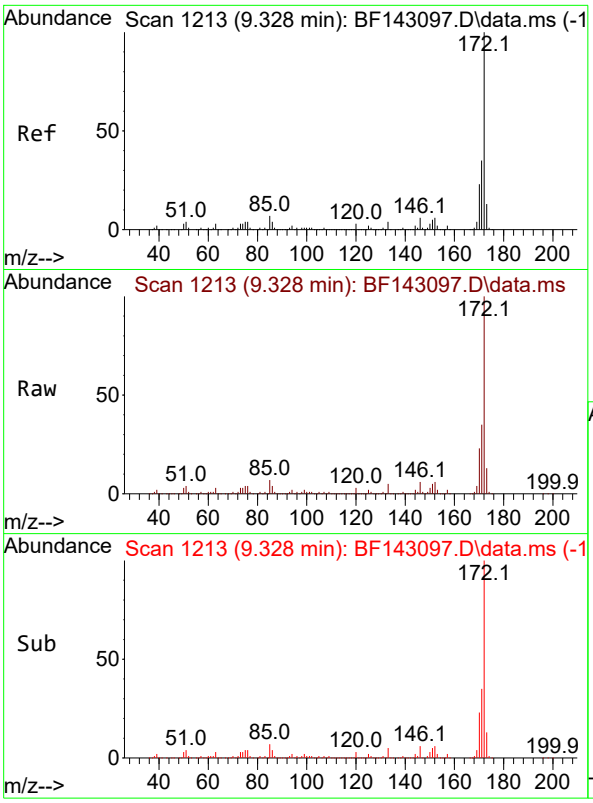


#44
2,4,5-Trichlorophenol
Concen: 41.422 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:196 Resp: 179101

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
97	53.0	42.4	63.6
132	29.9	23.9	35.9

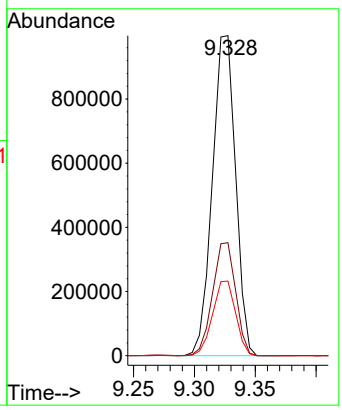




#45
2-Fluorobiphenyl
Concen: 77.428 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:172 Resp: 132648

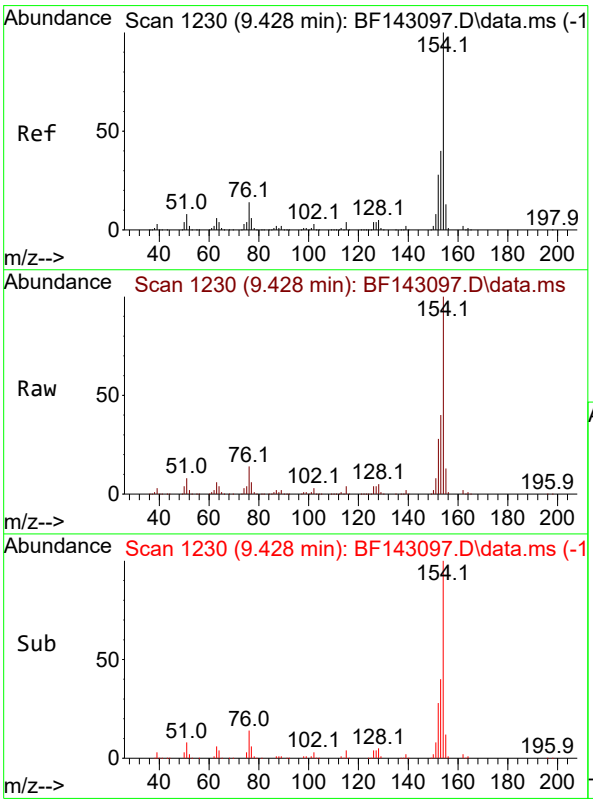
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.3	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

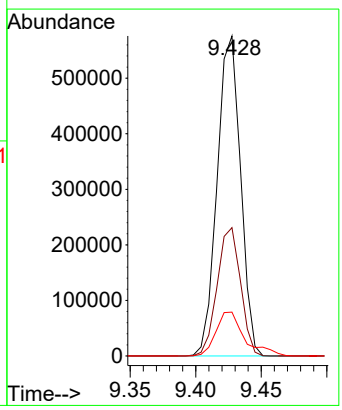
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

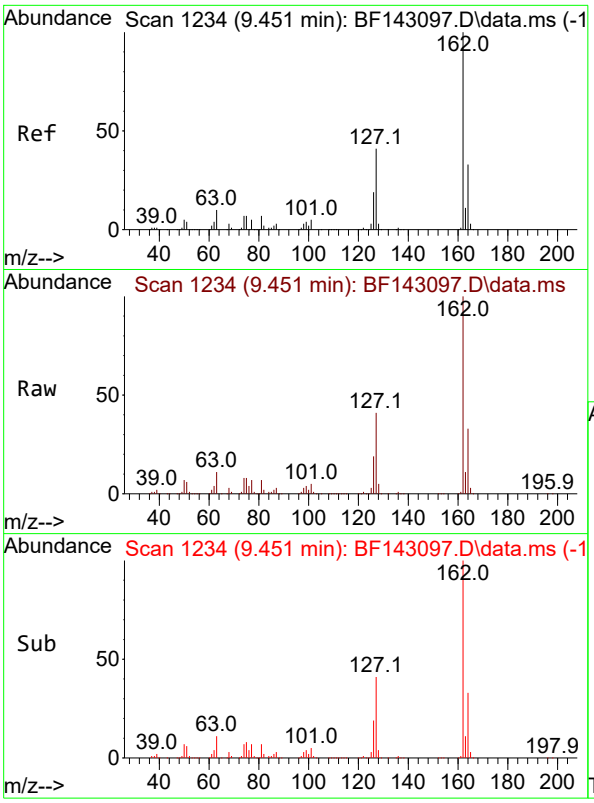


#46
1,1'-Biphenyl
Concen: 39.288 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:154 Resp: 713513

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	13.7	0.0	33.7

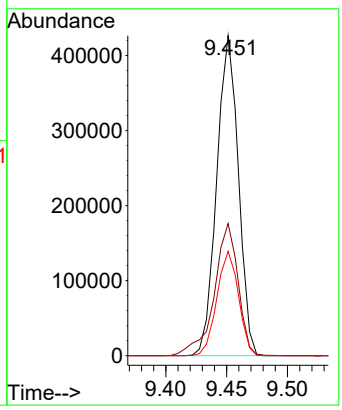




#47
2-Chloronaphthalene
Concen: 39.561 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:162 Resp: 52780

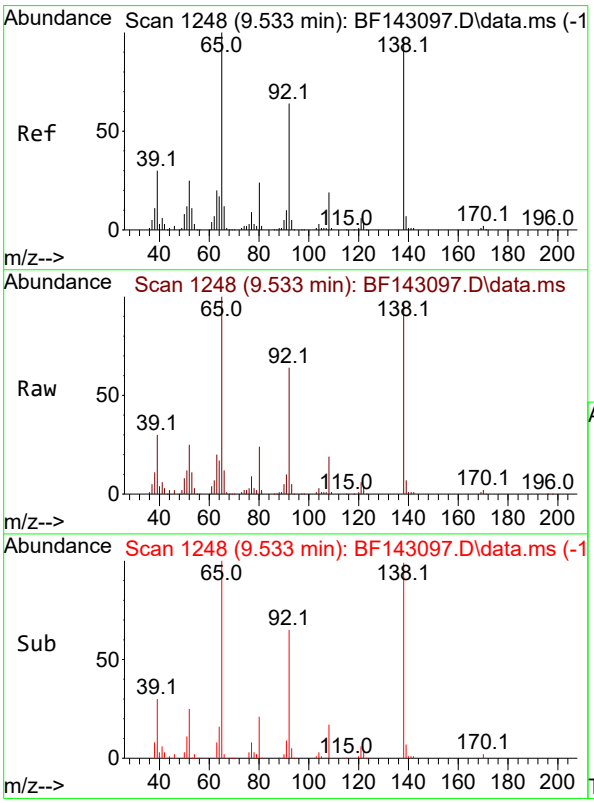
Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.0	49.6
164	32.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

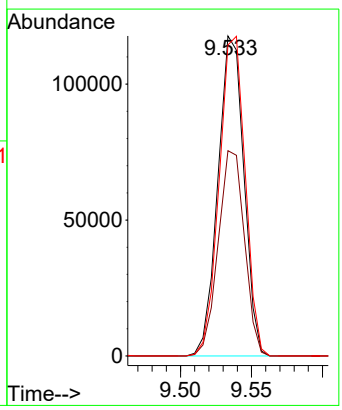
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

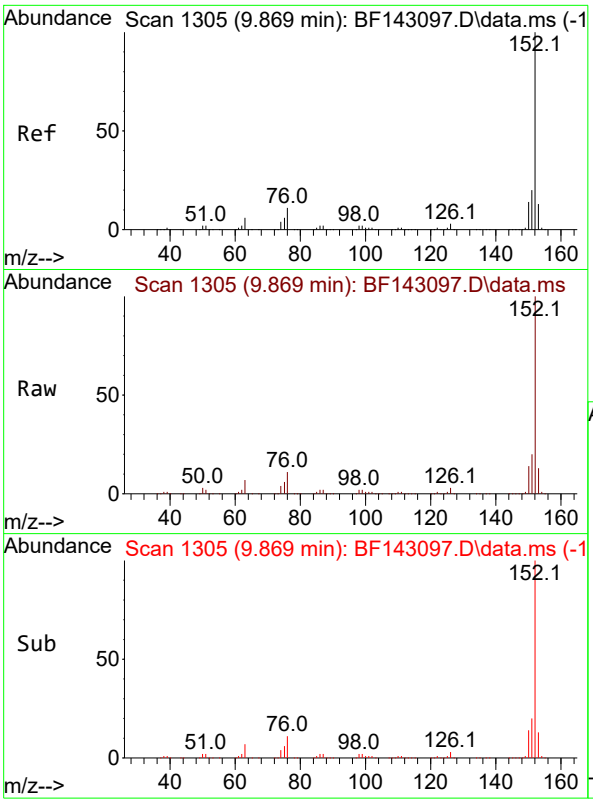


#48
2-Nitroaniline
Concen: 38.182 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 65 Resp: 149322

Ion	Ratio	Lower	Upper
65	100		
92	64.1	51.3	76.9
138	97.2	77.8	116.6

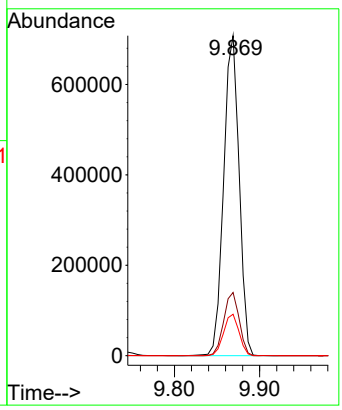




#49
Acenaphthylene
Concen: 40.126 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:152 Resp: 89205

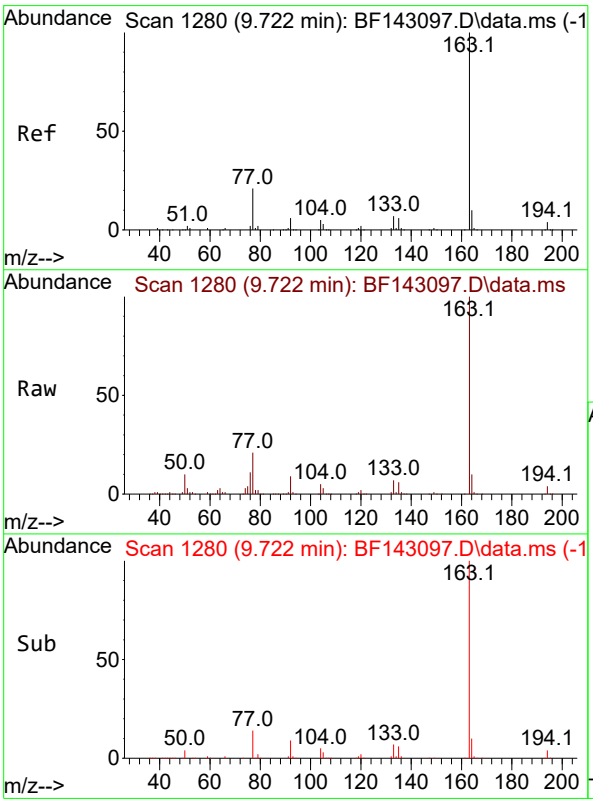
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.0	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

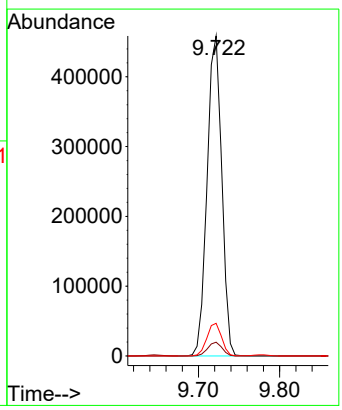
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

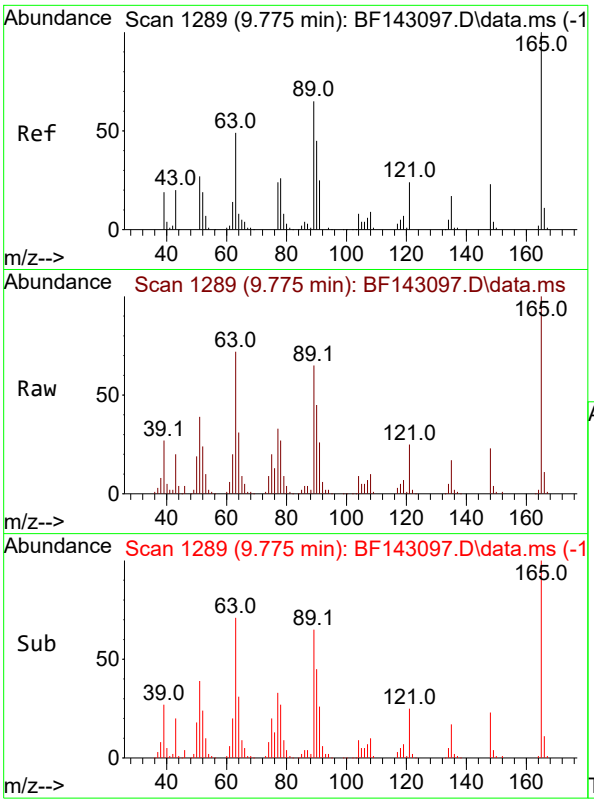


#50
Dimethylphthalate
Concen: 39.971 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:163 Resp: 572658

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 38.213 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

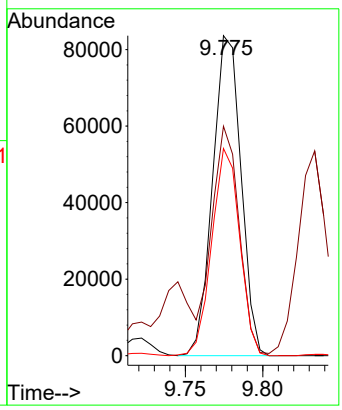
Tgt Ion:165 Resp: 10646

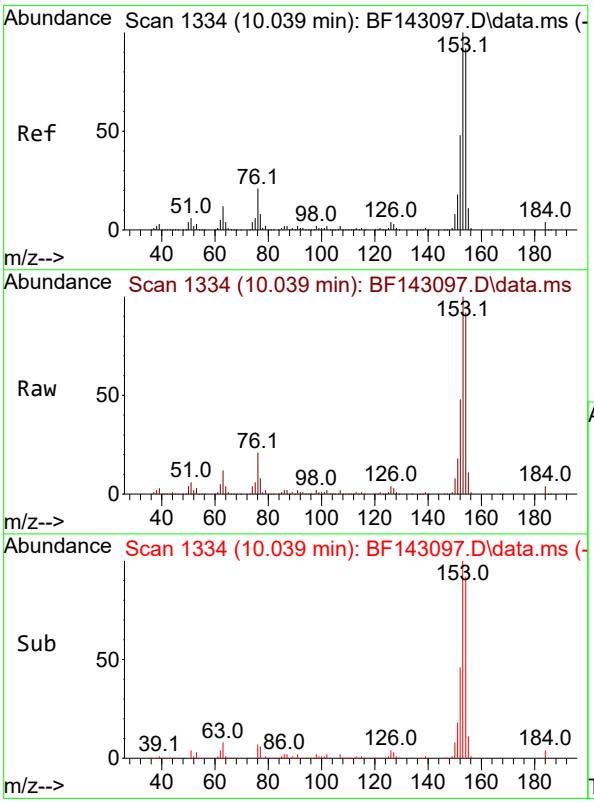
Ion	Ratio	Lower	Upper
165	100		
63	71.7	57.4	86.0
89	64.8	51.8	77.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

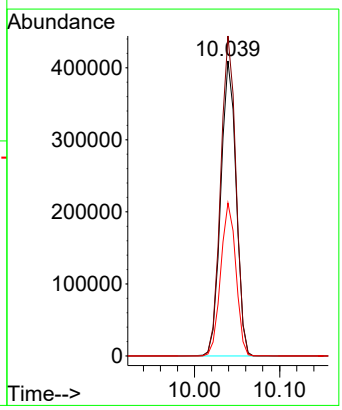


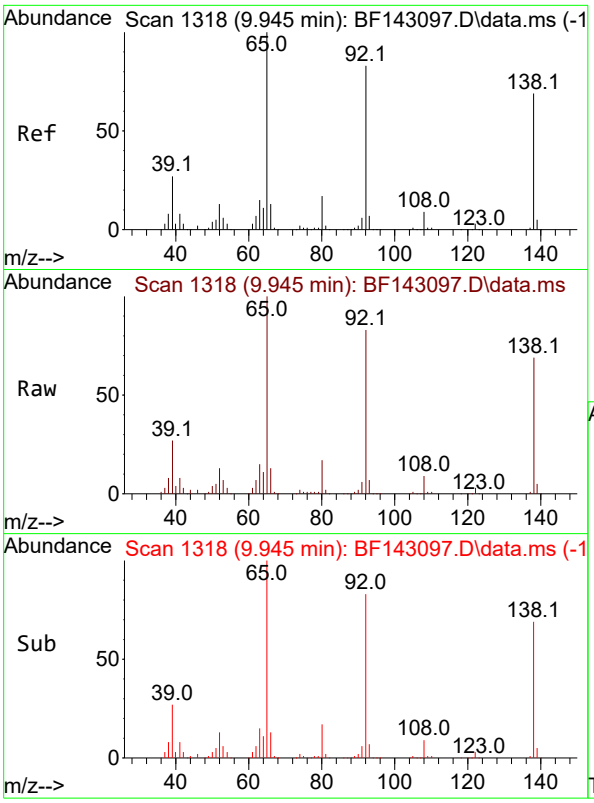


#52
Acenaphthene
Concen: 39.131 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:154 Resp: 513370

Ion	Ratio	Lower	Upper
154	100		
153	108.4	86.7	130.1
152	51.8	41.4	62.2

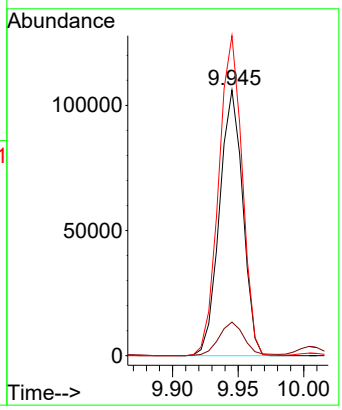




#53
3-Nitroaniline
Concen: 42.301 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:138 Resp: 13095

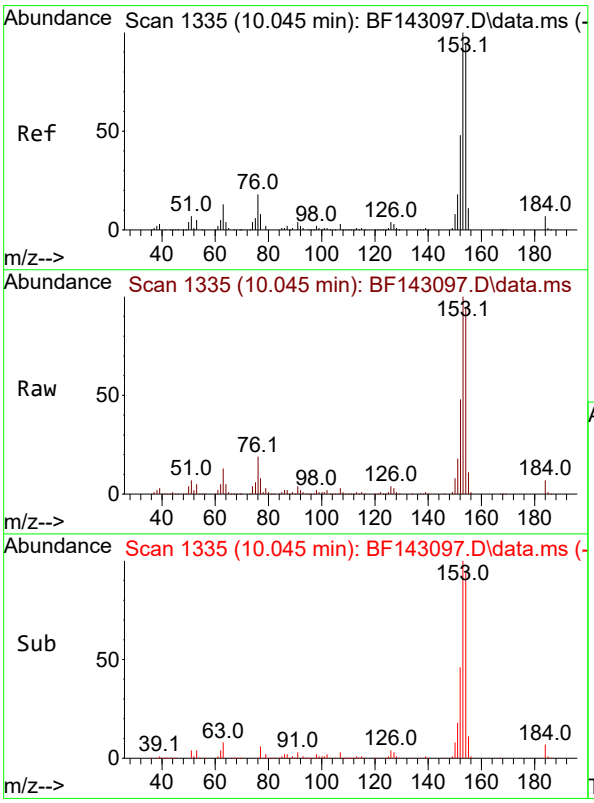
Ion	Ratio	Lower	Upper
138	100		
108	12.6	10.1	15.1
92	120.5	96.4	144.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

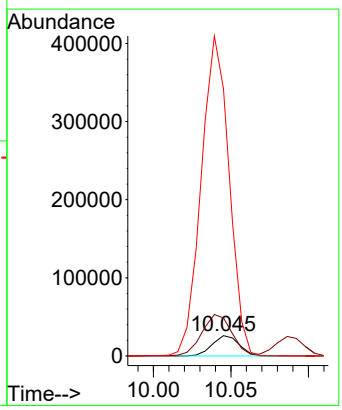
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

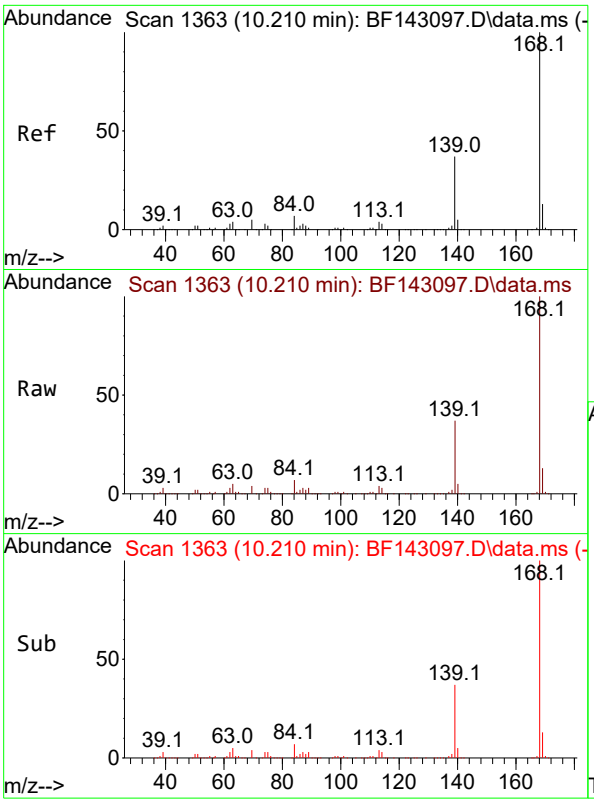


#54
2,4-Dinitrophenol
Concen: 37.582 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:184 Resp: 31236

Ion	Ratio	Lower	Upper
184	100		
63	186.6	149.3	223.9
154	1310.0	1048.0	1572.0

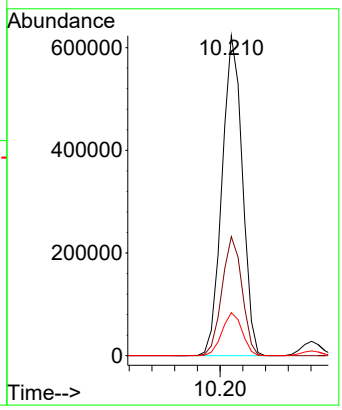




#55
Dibenzofuran
Concen: 39.524 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:168 Resp: 77286

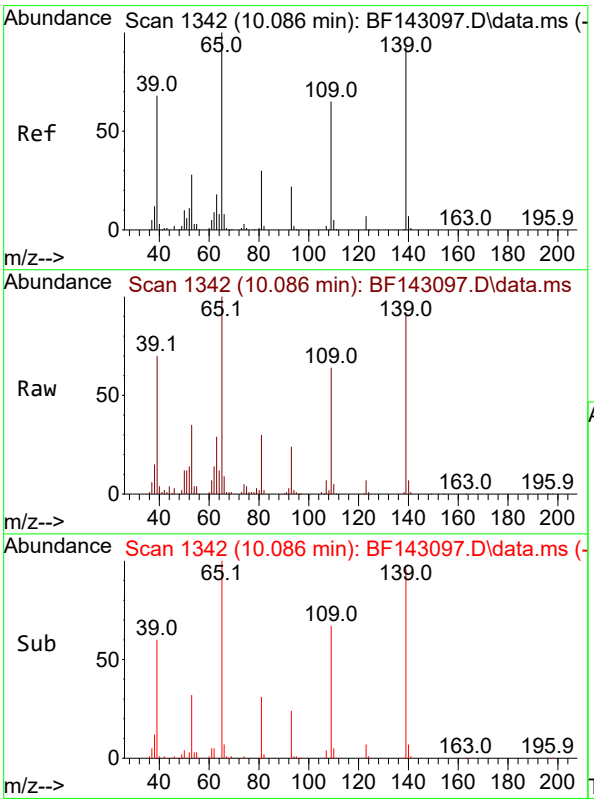
Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

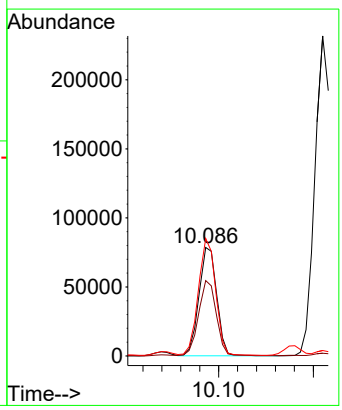
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

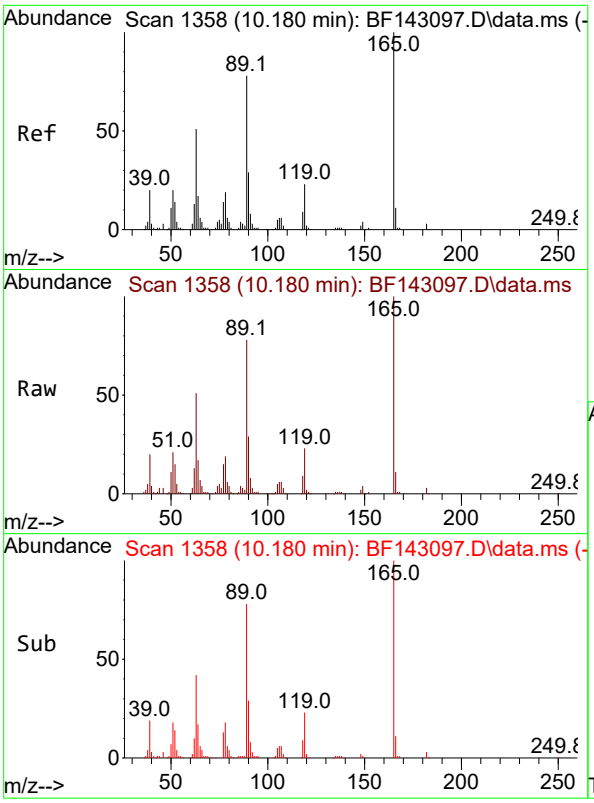


#56
4-Nitrophenol
Concen: 41.436 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 101948

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	108.2	88.2	128.2

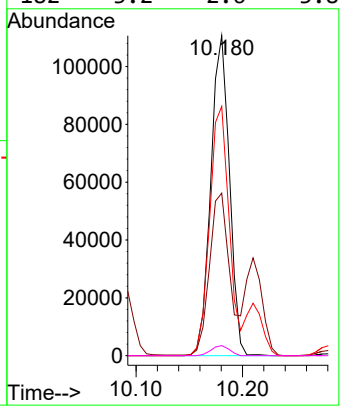




#57
2,4-Dinitrotoluene
Concen: 38.682 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:165 Resp: 13424

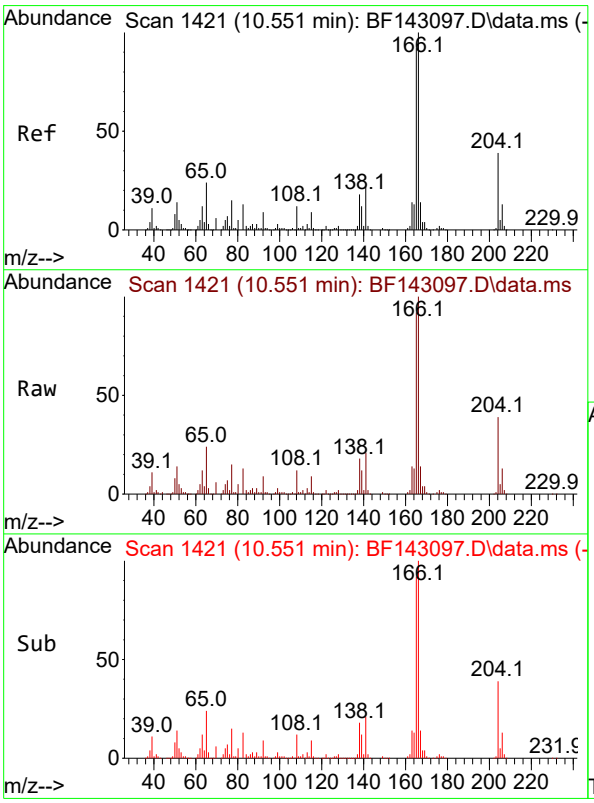
Ion	Ratio	Lower	Upper
165	100		
63	50.8	40.6	61.0
89	77.9	62.3	93.5
182	3.2	2.6	3.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

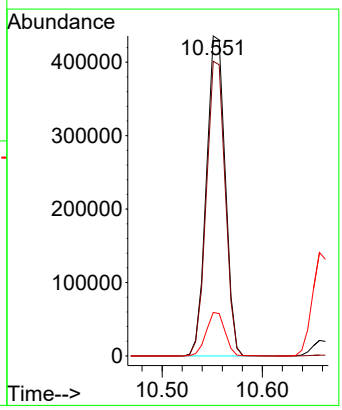
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

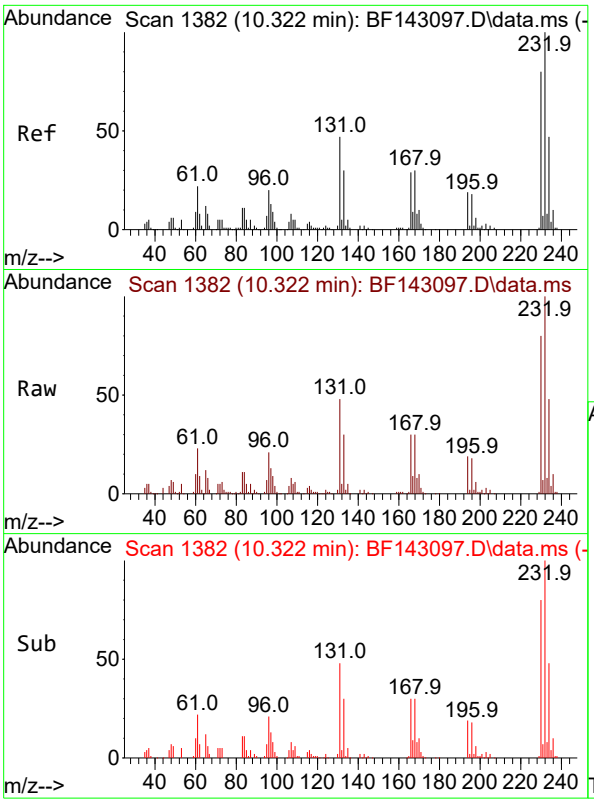


#58
Fluorene
Concen: 38.710 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:166 Resp: 567511

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.6	10.9	16.3

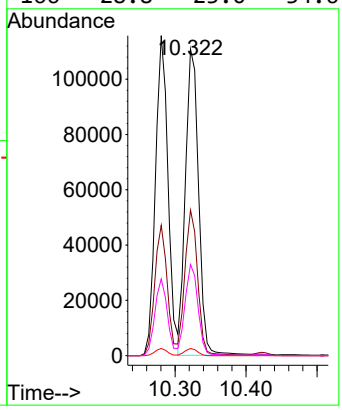




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.334 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:232 Resp: 14202

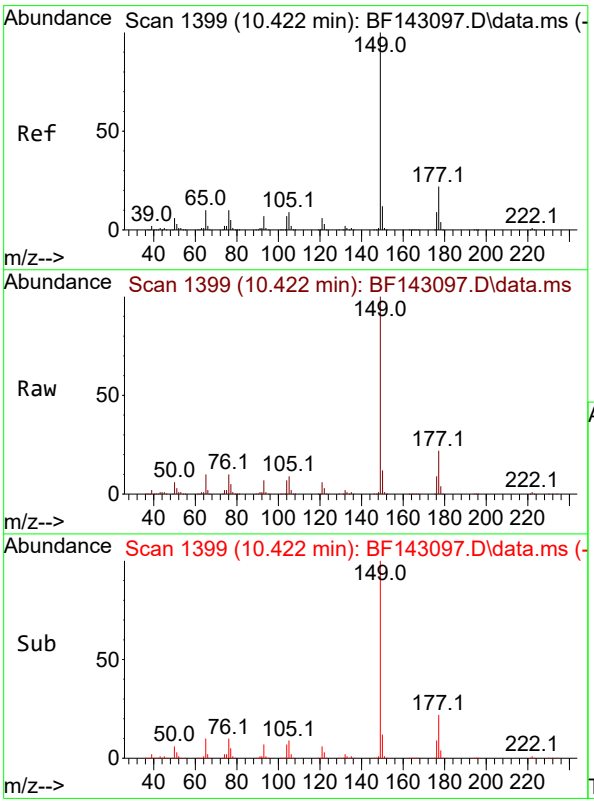
Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.9	55.3
130	2.3	1.8	2.8
166	28.8	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

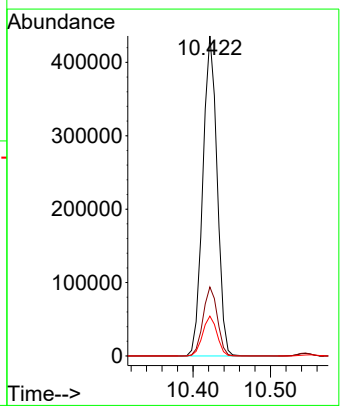
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

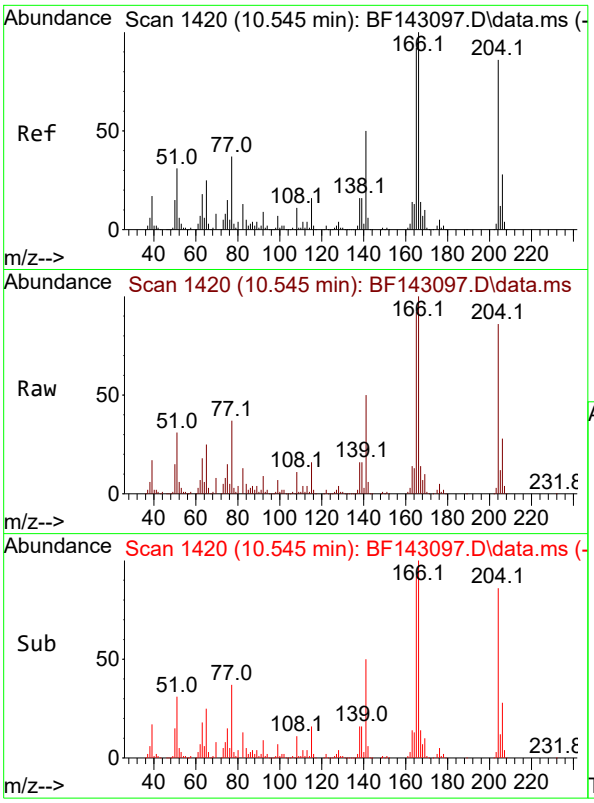


#60
Diethylphthalate
Concen: 40.349 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 557712

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.4	9.9	14.9

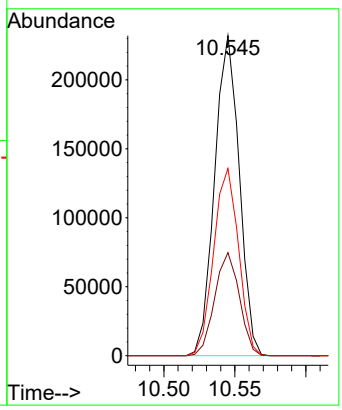




#61
4-Chlorophenyl-phenylether
Concen: 39.822 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:204 Resp: 27981

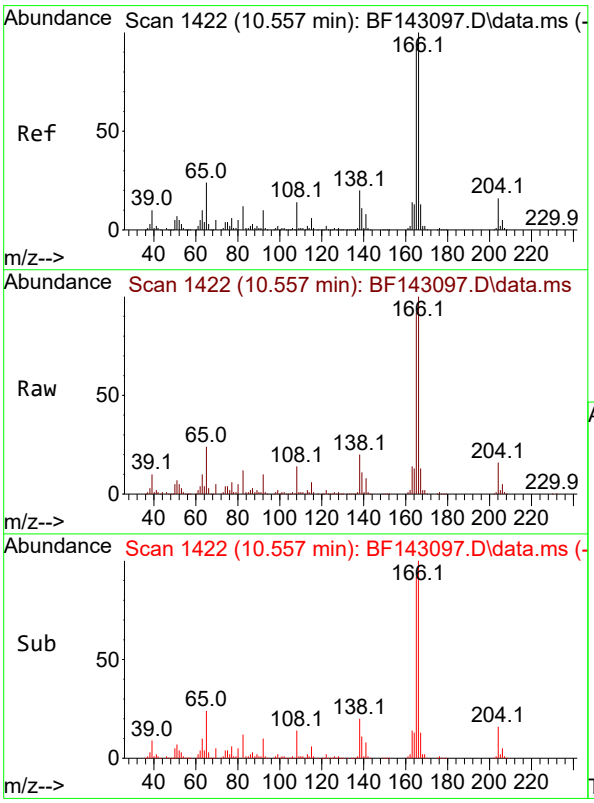
Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	58.5	46.8	70.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

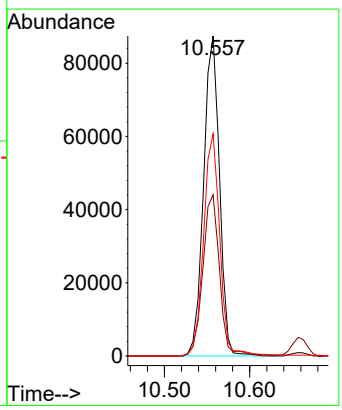
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

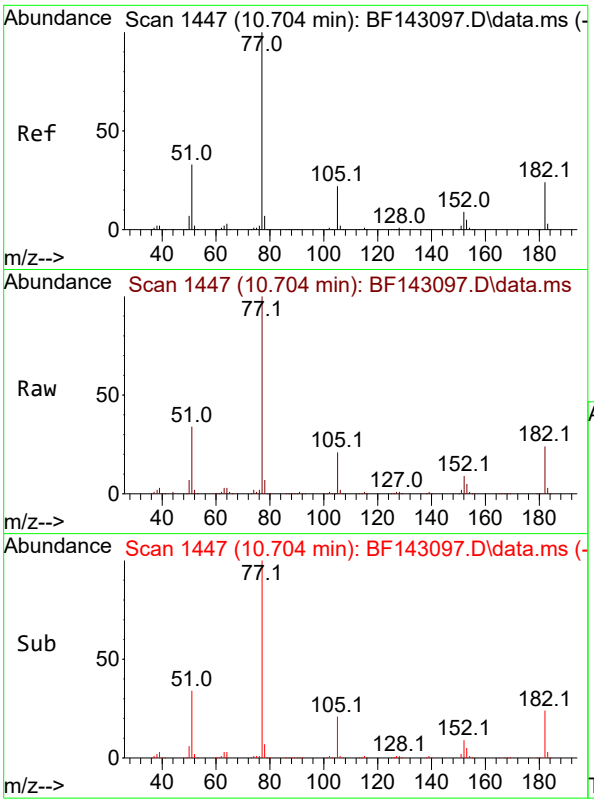


#62
4-Nitroaniline
Concen: 42.106 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:138 Resp: 113355

Ion	Ratio	Lower	Upper
138	100		
92	50.4	30.4	70.4
108	69.5	49.5	89.5

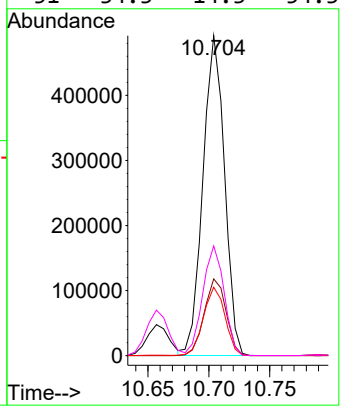




#63
Azobenzene
Concen: 39.558 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 60471

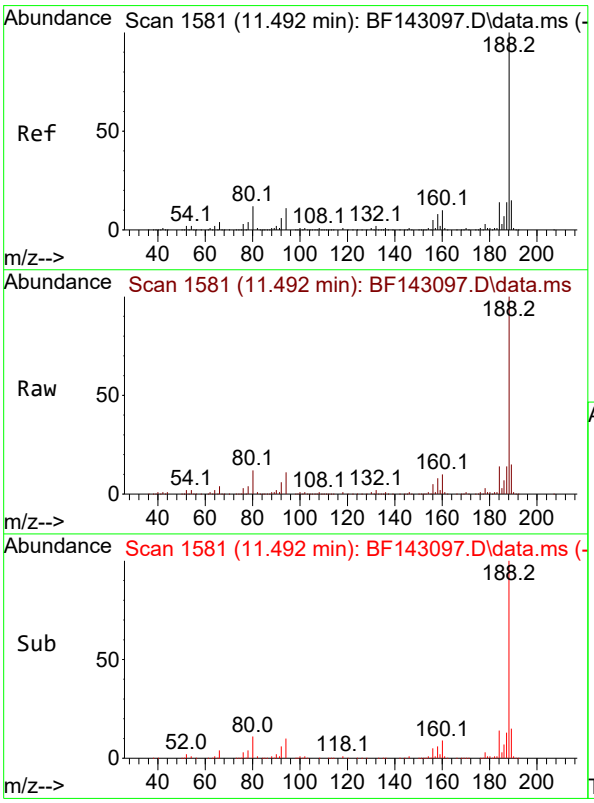
Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.0	44.0
105	21.4	1.4	41.4
51	34.3	14.3	54.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

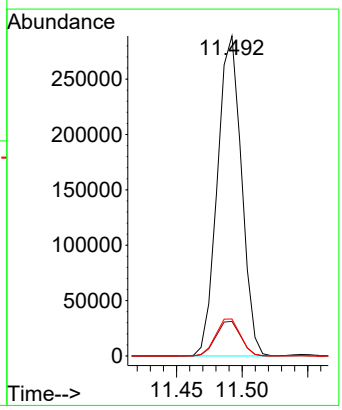
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

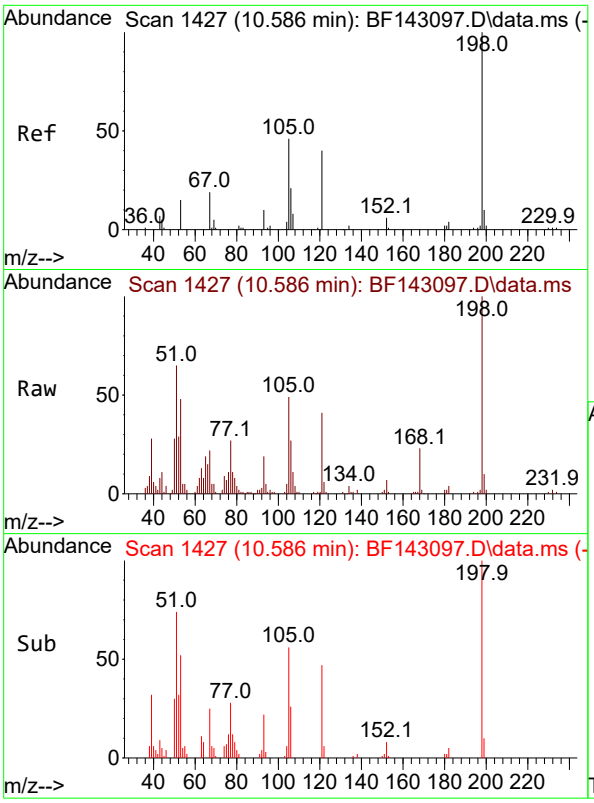


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:188 Resp: 369241

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	11.6	9.3	13.9

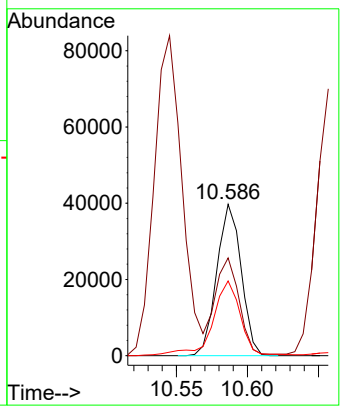




#65
4,6-Dinitro-2-methylphenol
Concen: 37.223 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:198 Resp: 4734

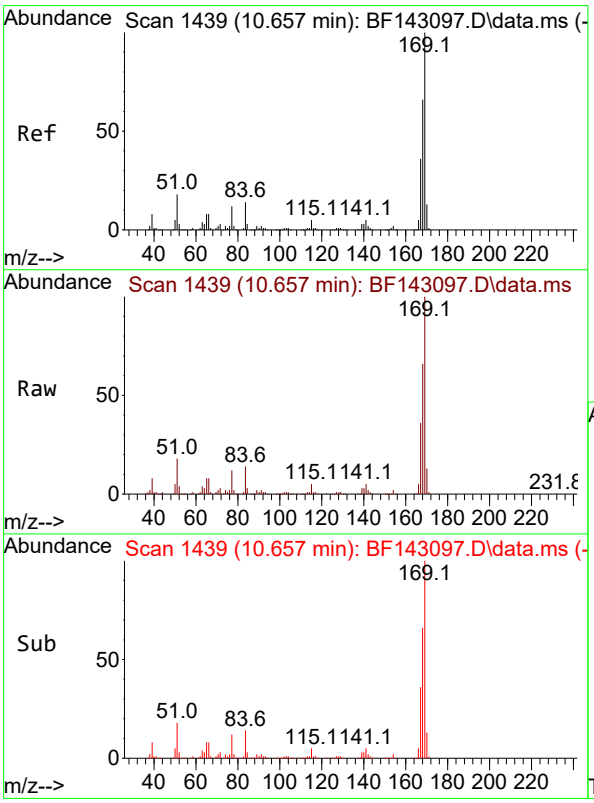
Ion	Ratio	Lower	Upper
198	100		
51	64.6	44.6	84.6
105	49.3	29.3	69.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

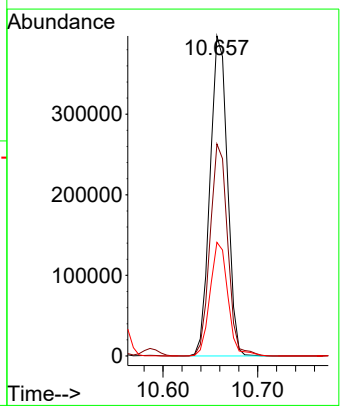
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

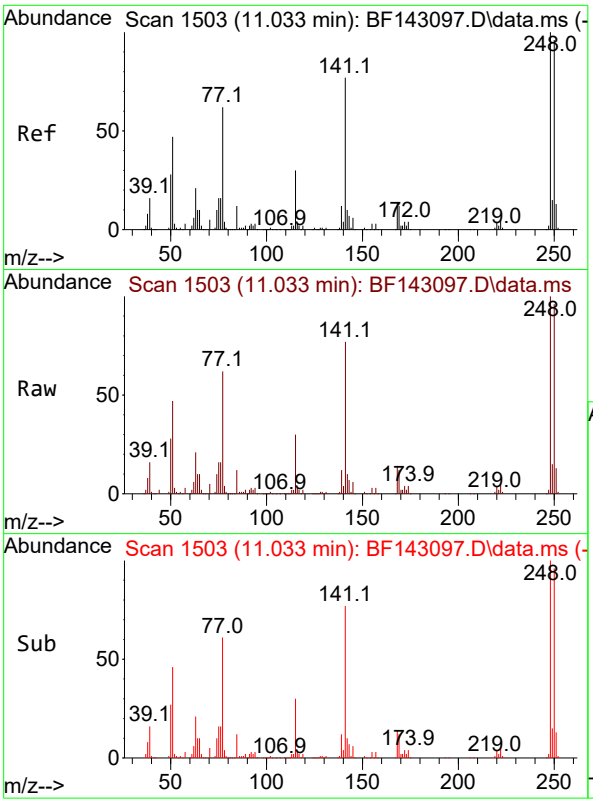


#66
n-Nitrosodiphenylamine
Concen: 38.827 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:169 Resp: 503590

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	35.5	28.4	42.6

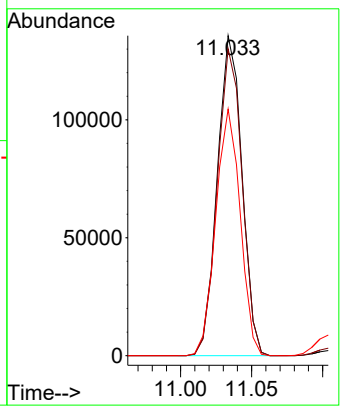




#67
4-Bromophenyl-phenylether
Concen: 39.088 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:248 Resp: 16413

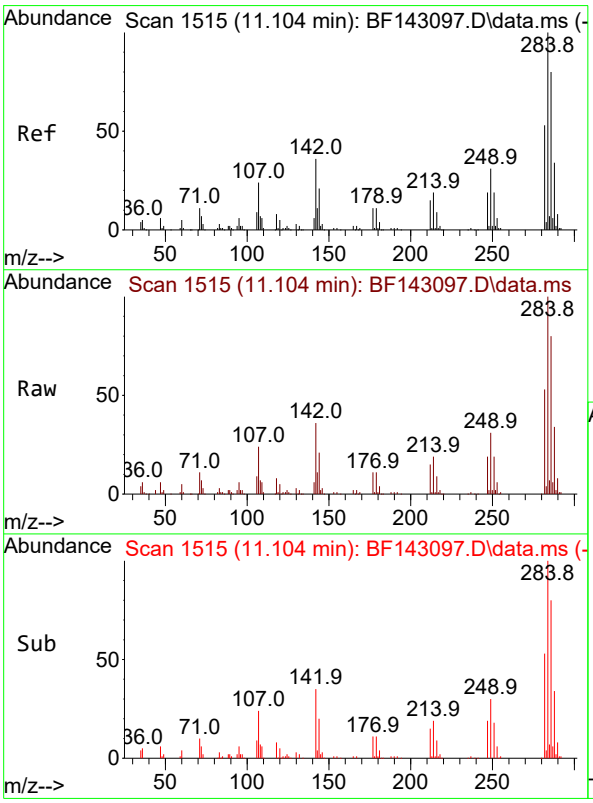
Ion	Ratio	Lower	Upper
248	100		
250	95.9	76.7	115.1
141	77.1	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

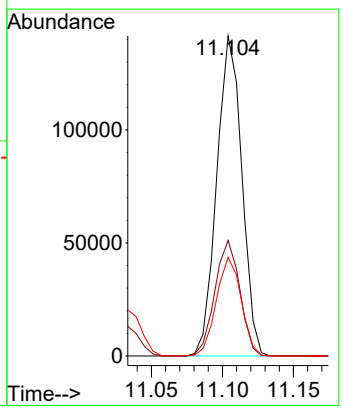
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

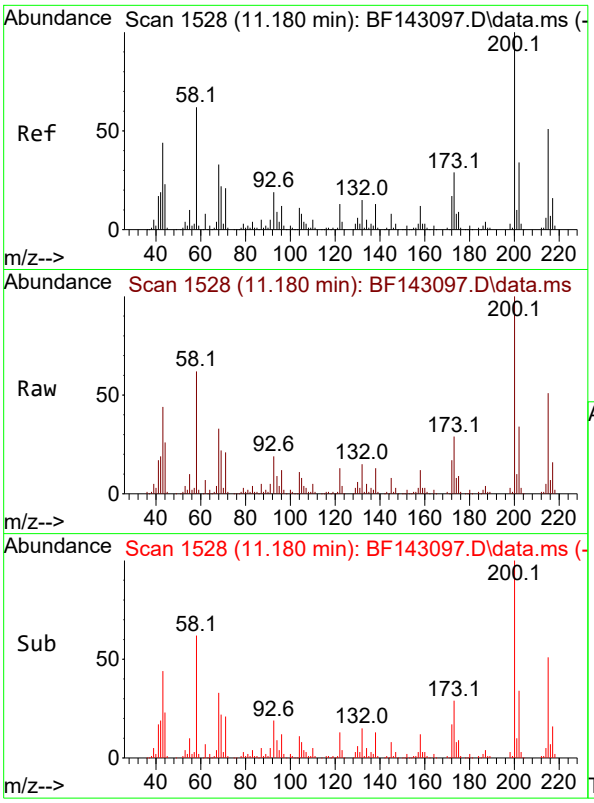


#68
Hexachlorobenzene
Concen: 39.034 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:284 Resp: 173911

Ion	Ratio	Lower	Upper
284	100		
142	36.1	28.9	43.3
249	30.8	24.6	37.0

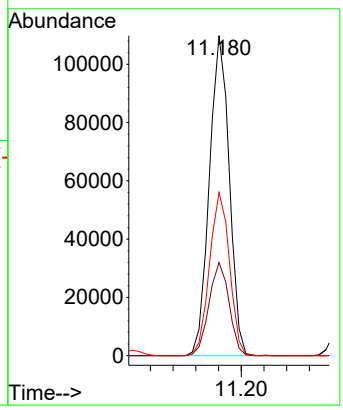




#69
Atrazine
Concen: 40.206 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:200 Resp: 13341

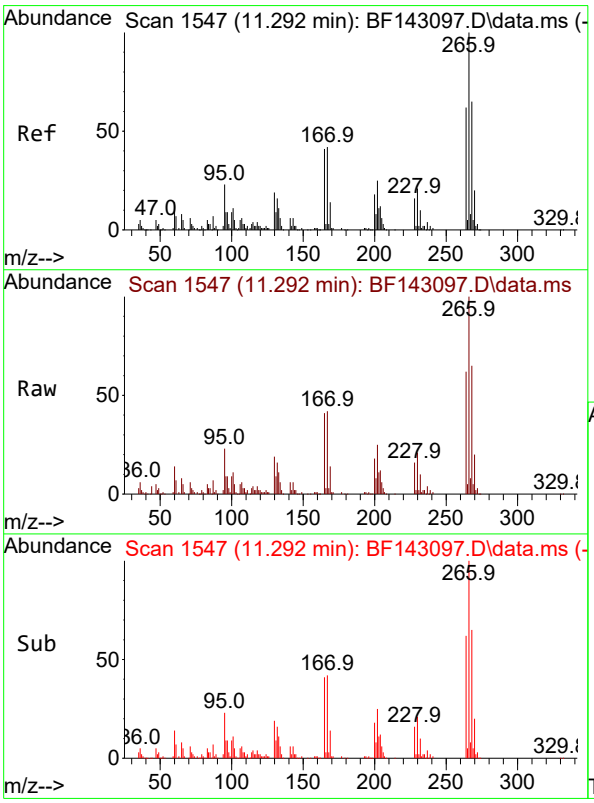
Ion	Ratio	Lower	Upper
200	100		
173	29.1	9.1	49.1
215	51.0	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

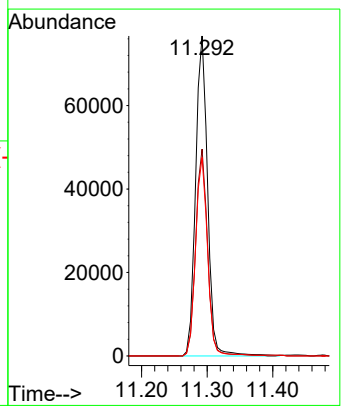
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

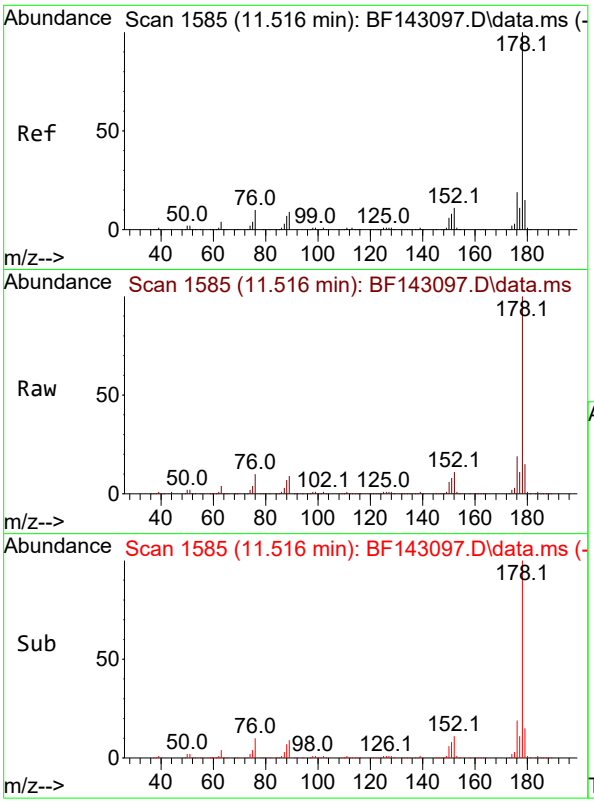


#70
Pentachlorophenol
Concen: 39.938 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:266 Resp: 97625

Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.8	77.6
264	62.1	49.7	74.5

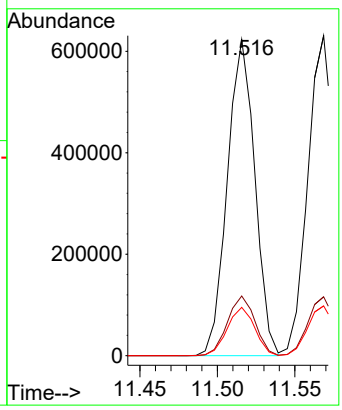




#71
Phenanthrene
Concen: 38.609 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:178 Resp: 76937

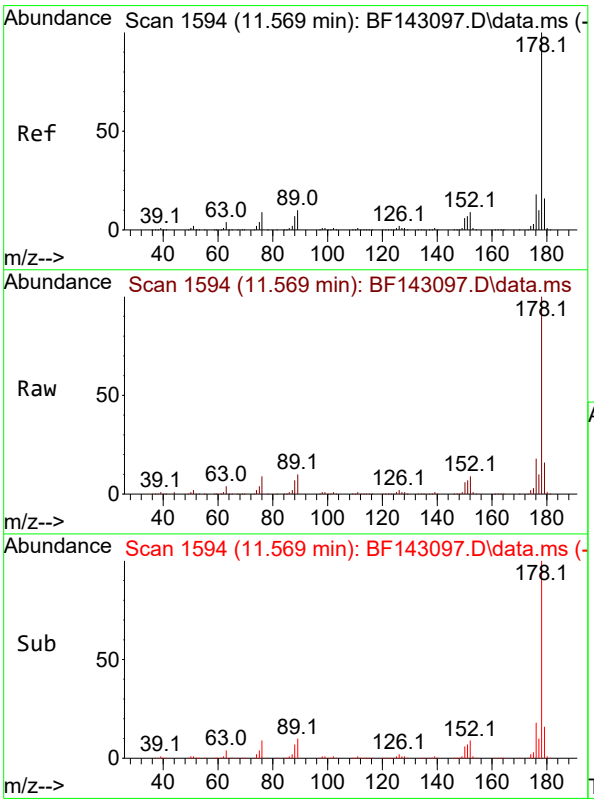
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.3	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

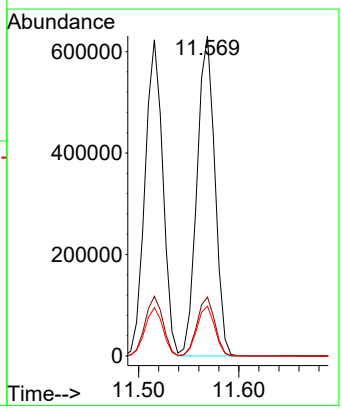
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

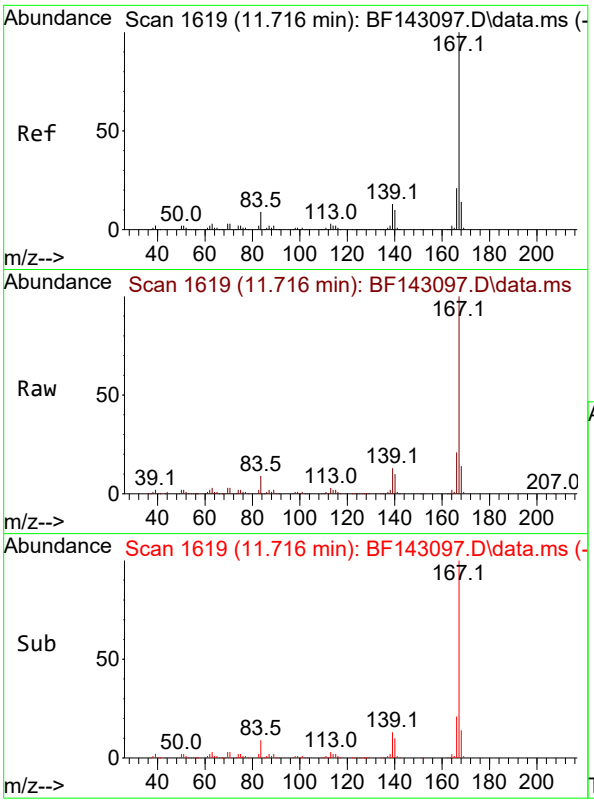


#72
Anthracene
Concen: 38.961 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:178 Resp: 780754

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.5	12.4	18.6

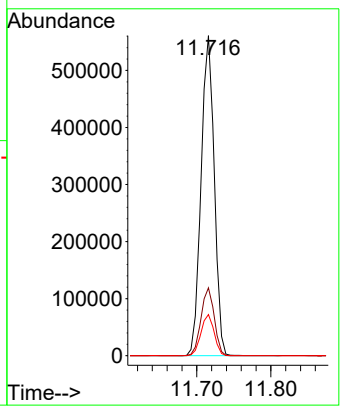




#73
Carbazole
Concen: 38.572 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:167 Resp: 69246

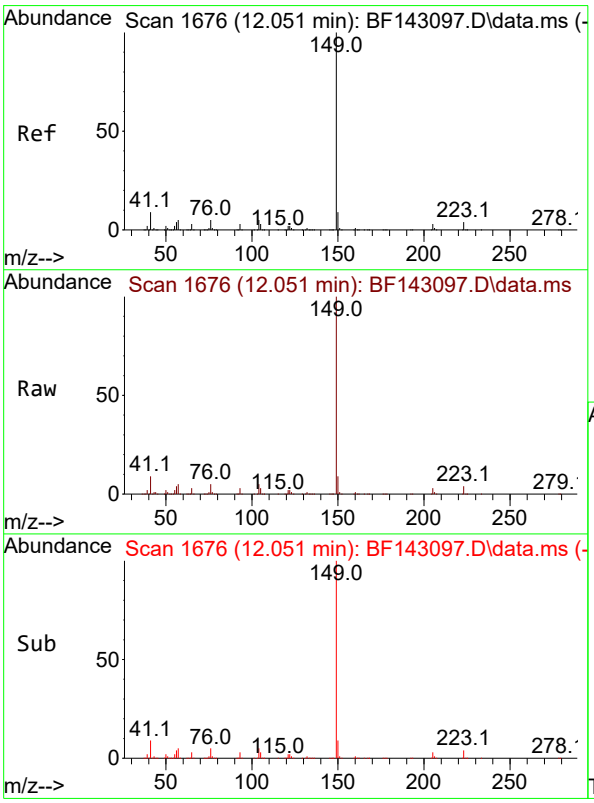
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.8	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

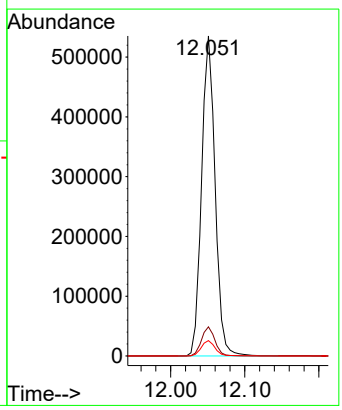
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

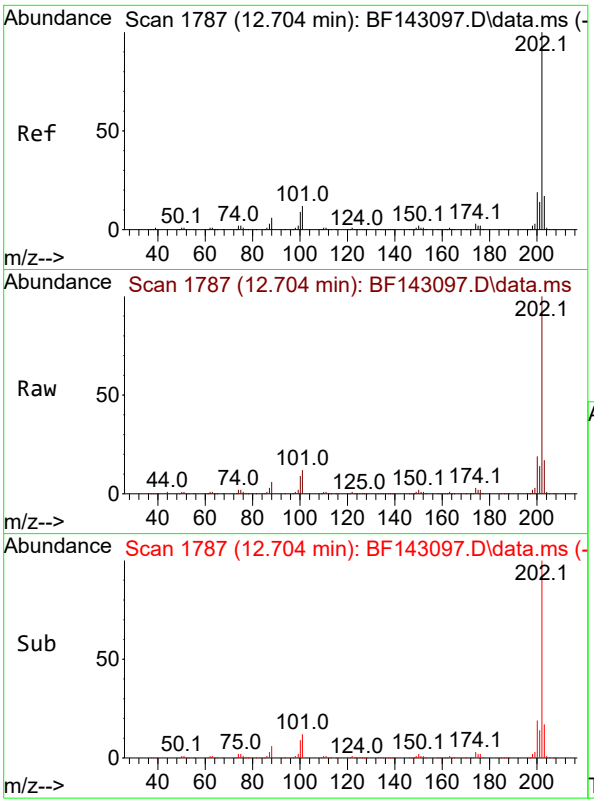


#74
Di-n-butylphthalate
Concen: 41.288 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 680394

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.8	3.8	5.8

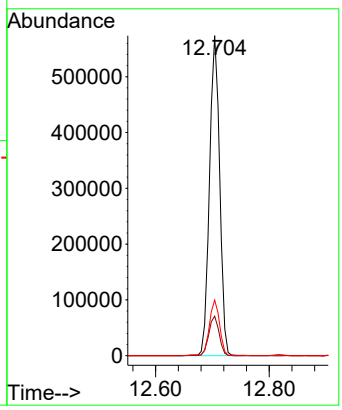




#75
Fluoranthene
Concen: 39.115 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:202 Resp: 70873

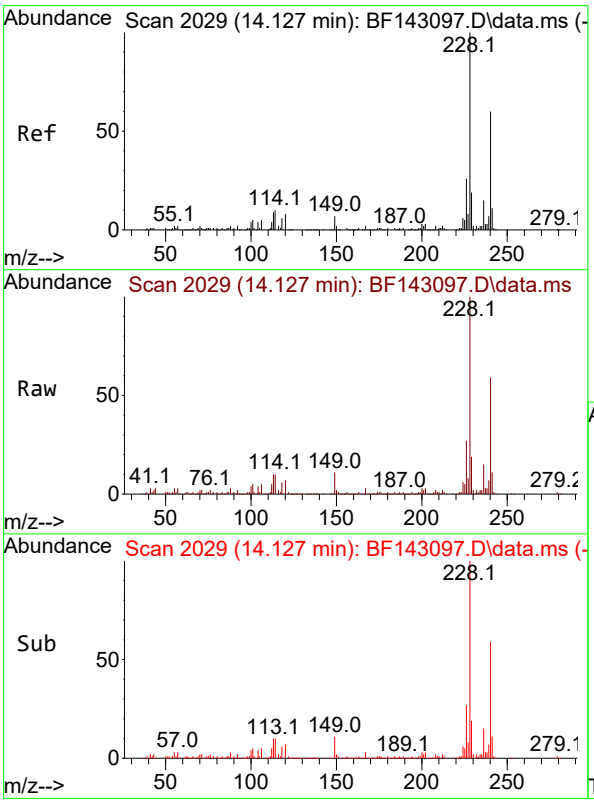
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.4
203	17.4	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

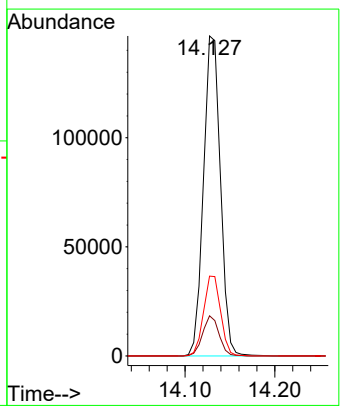
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

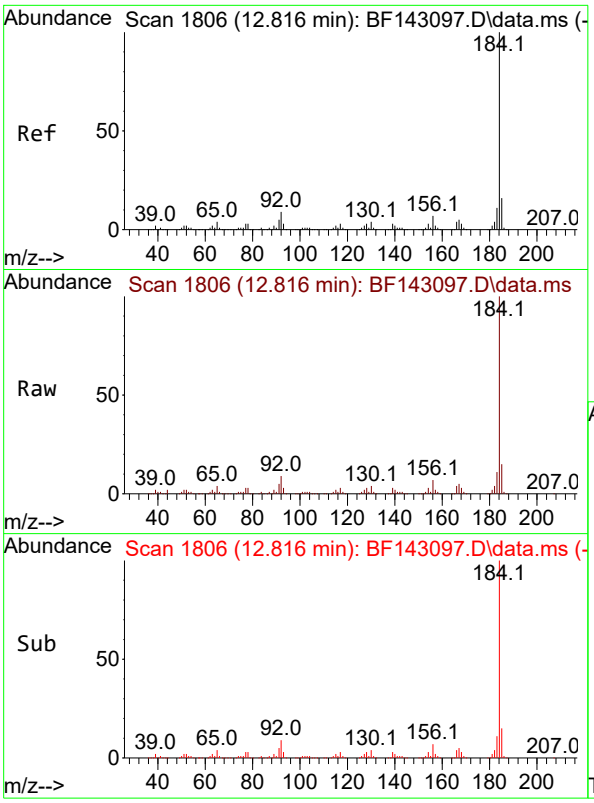


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:240 Resp: 192349

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	25.0	20.0	30.0

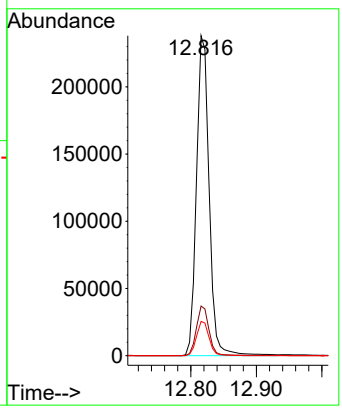




#77
Benzidine
Concen: 48.989 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:184 Resp: 32102

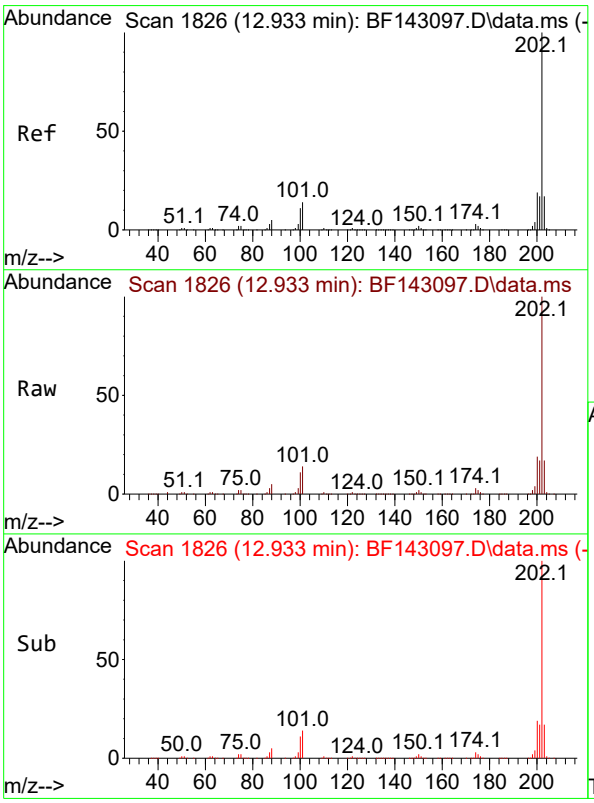
Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.4	18.6
183	10.7	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

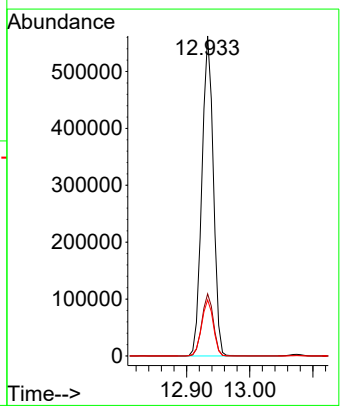
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

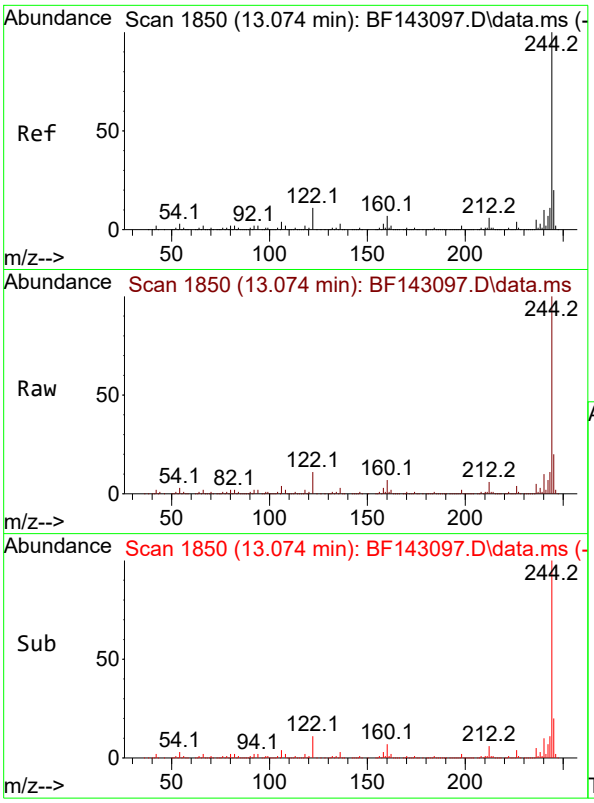


#78
Pyrene
Concen: 39.706 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:202 Resp: 708631

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.5	23.3
203	17.5	14.0	21.0

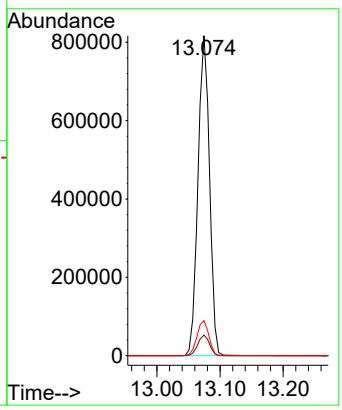




#79
Terphenyl-d14
Concen: 78.547 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:244 Resp: 103354

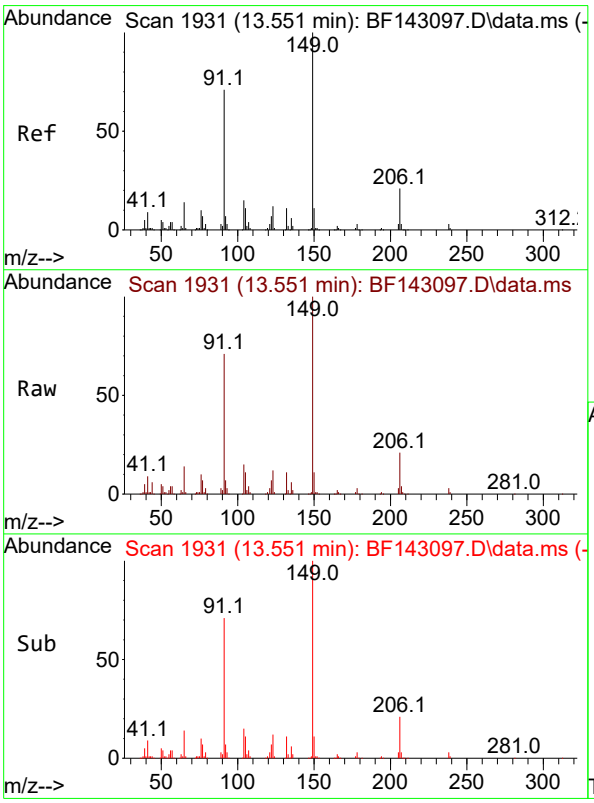
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

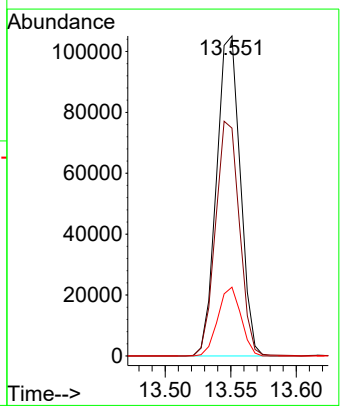
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

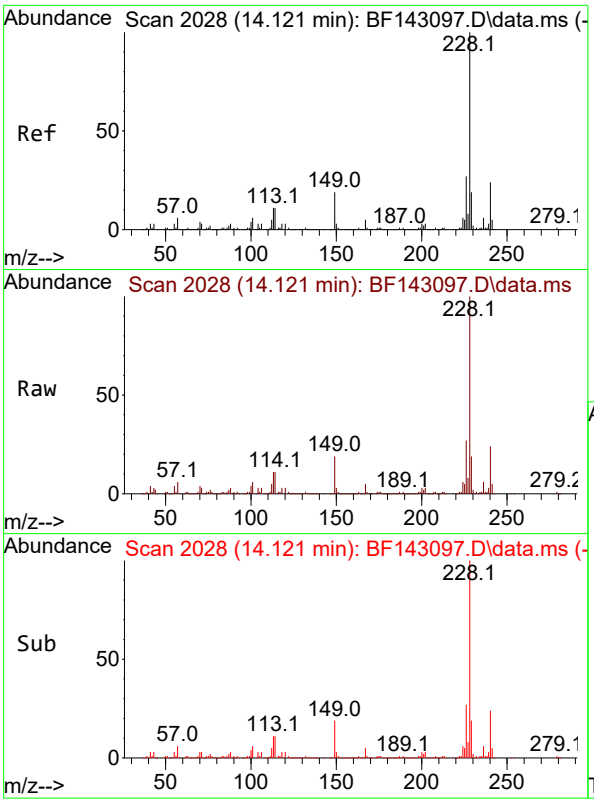


#80
Butylbenzylphthalate
Concen: 37.625 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 132061

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.0	85.4
206	21.5	17.2	25.8

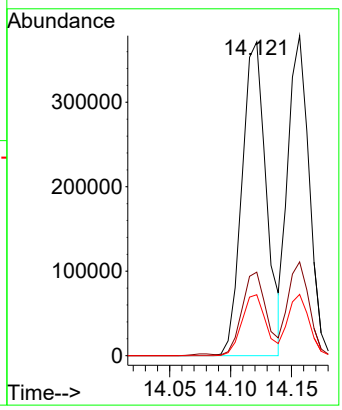




#81
Benzo(a)anthracene
Concen: 40.424 ng
RT: 14.121 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:228 Resp: 51813

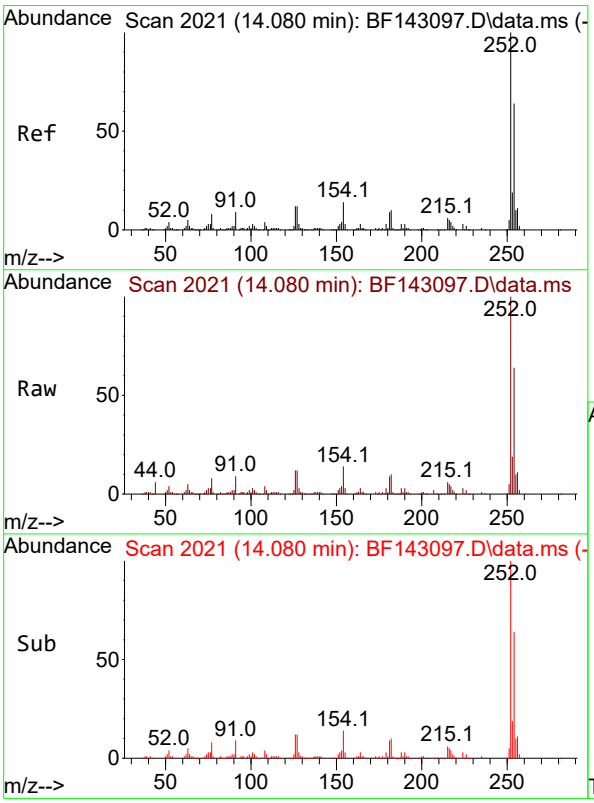
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	19.4	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

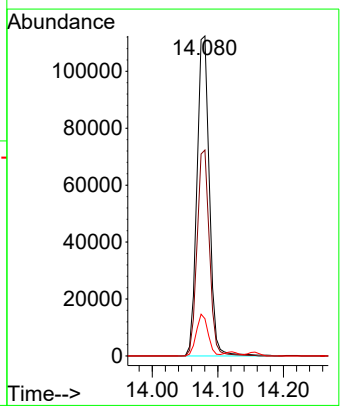
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

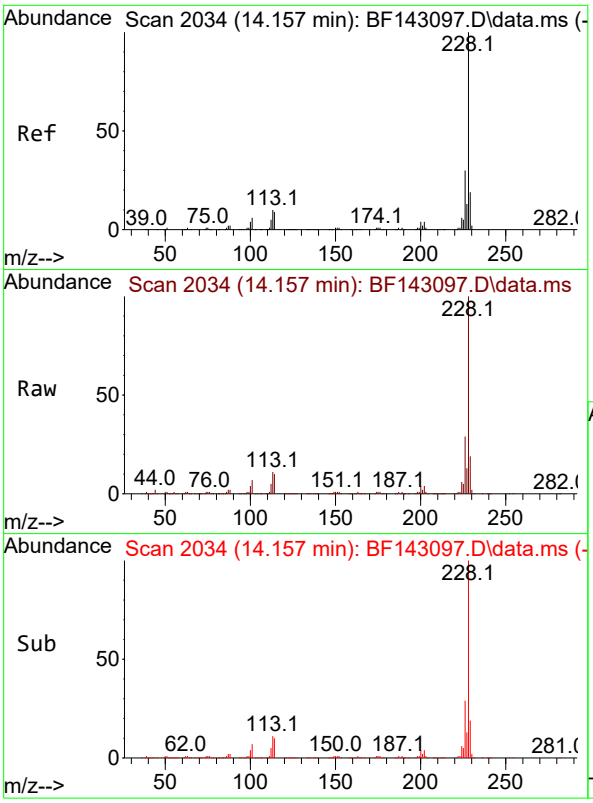


#82
3,3'-Dichlorobenzidine
Concen: 39.841 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 148294

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	11.7	9.4	14.0

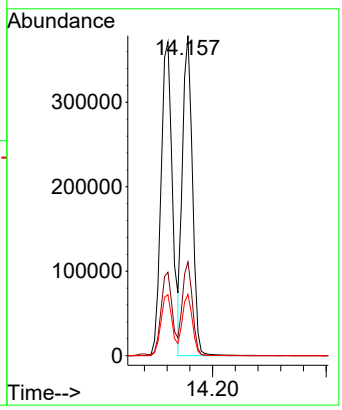




#83
Chrysene
Concen: 39.134 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:228 Resp: 46197(

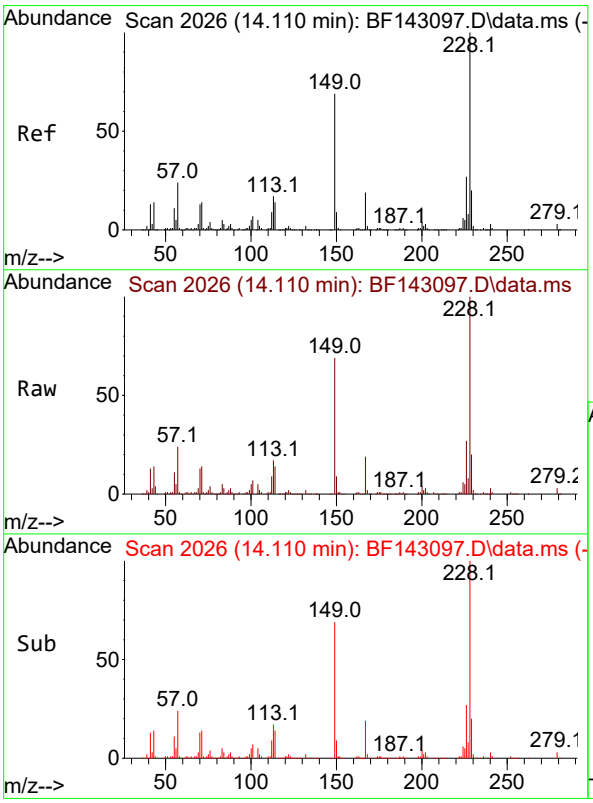
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	19.1	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

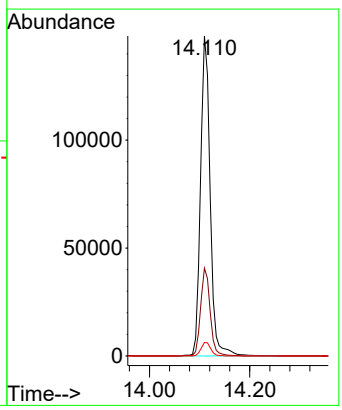
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

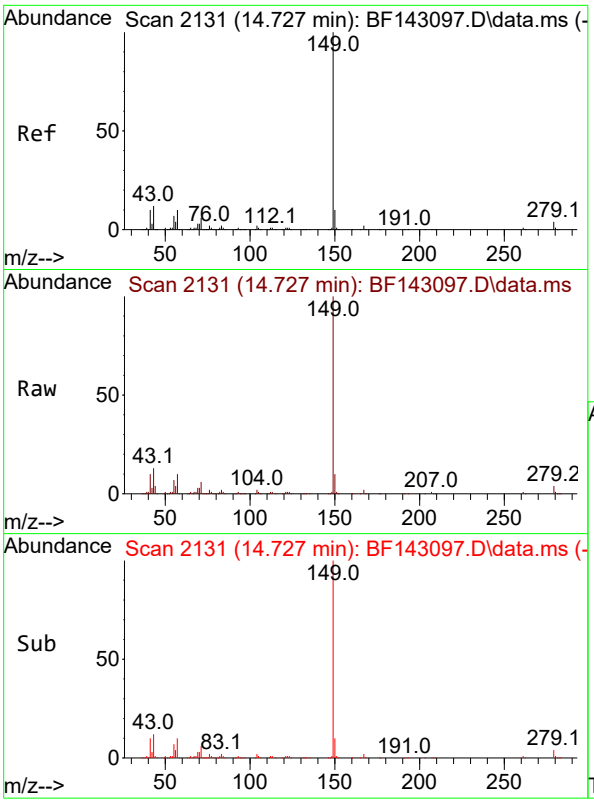


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.454 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 198176

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.2	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 36.531 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

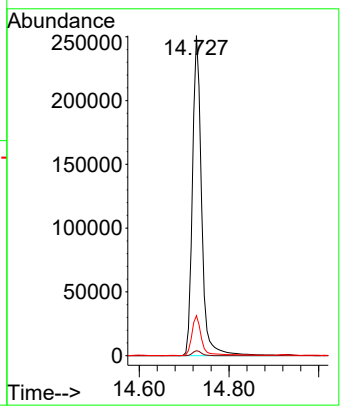
Tgt Ion:149 Resp: 35474

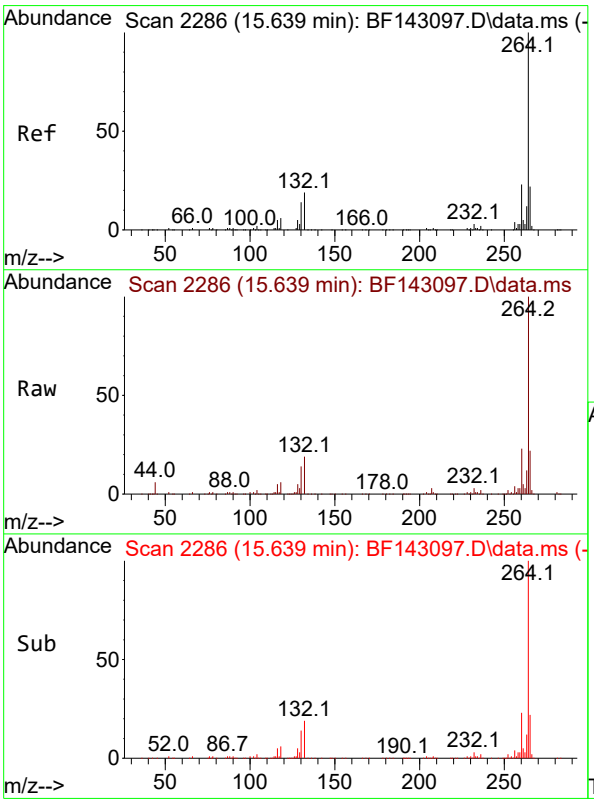
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

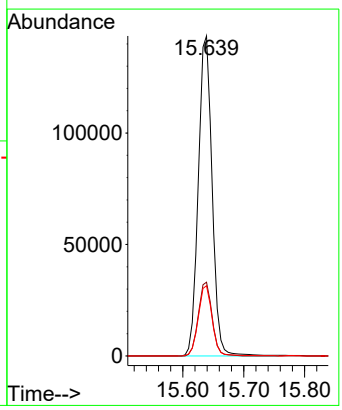


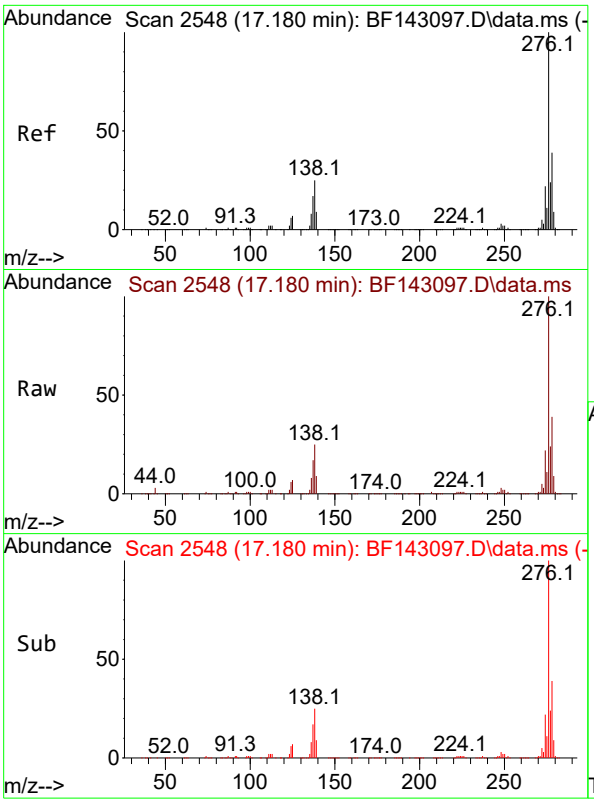


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:264 Resp: 226517

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.9	17.5	26.3

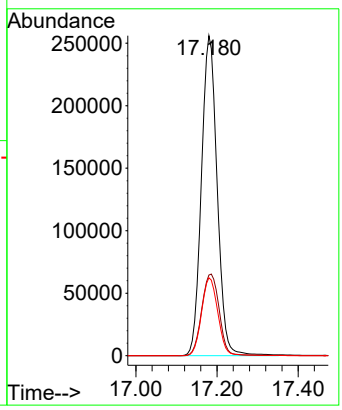




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.912 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:276 Resp: 68927

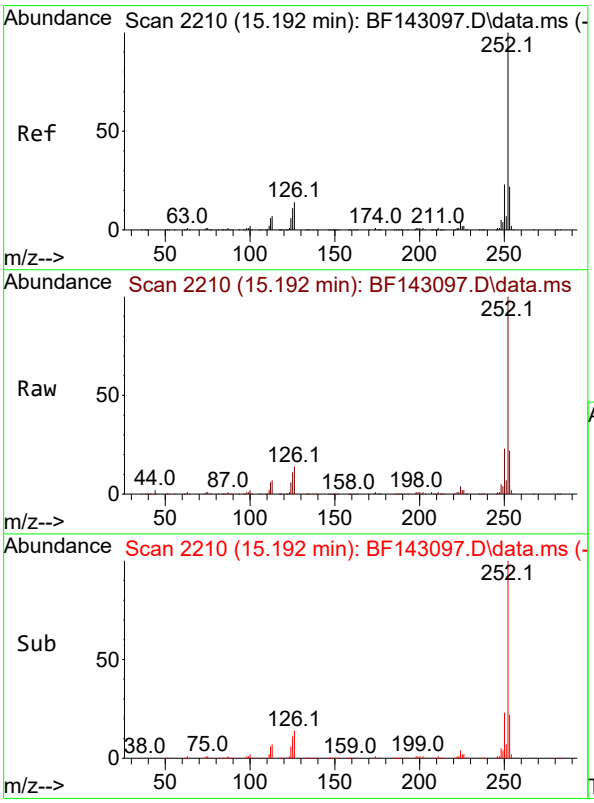
Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.6	34.0
277	25.2	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

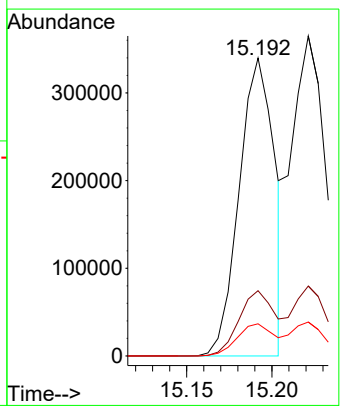
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

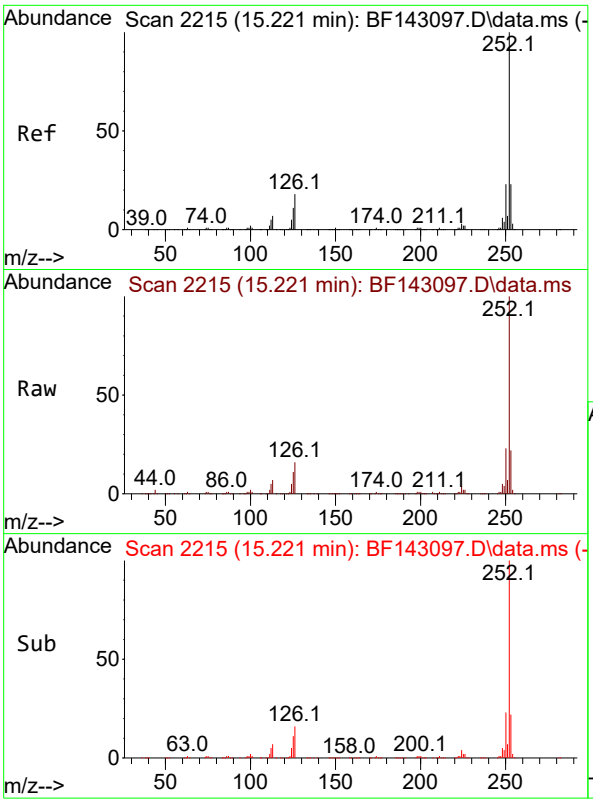


#88
Benzo(b)fluoranthene
Concen: 37.520 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 490240

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.8	8.6	13.0

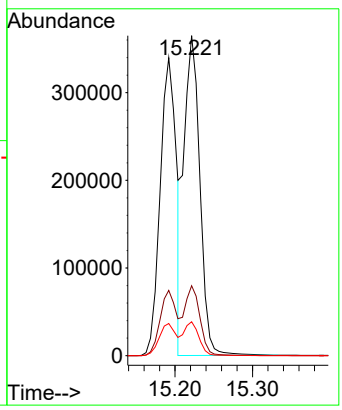




#89
Benzo(k)fluoranthene
Concen: 41.721 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 52005

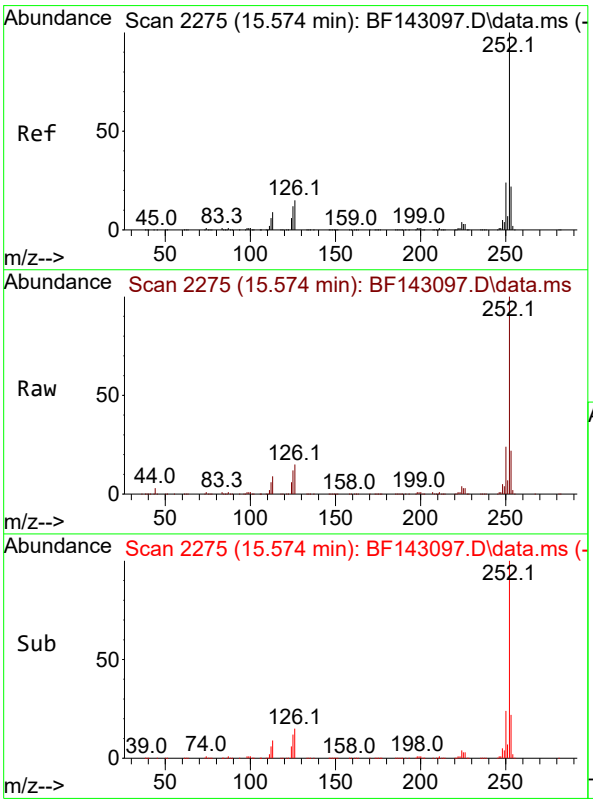
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.6	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

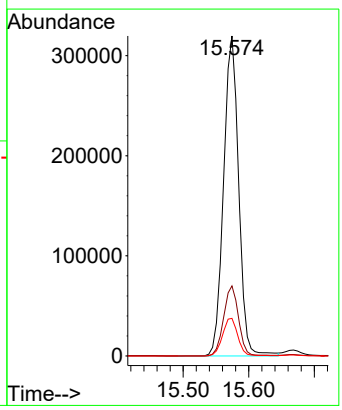
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

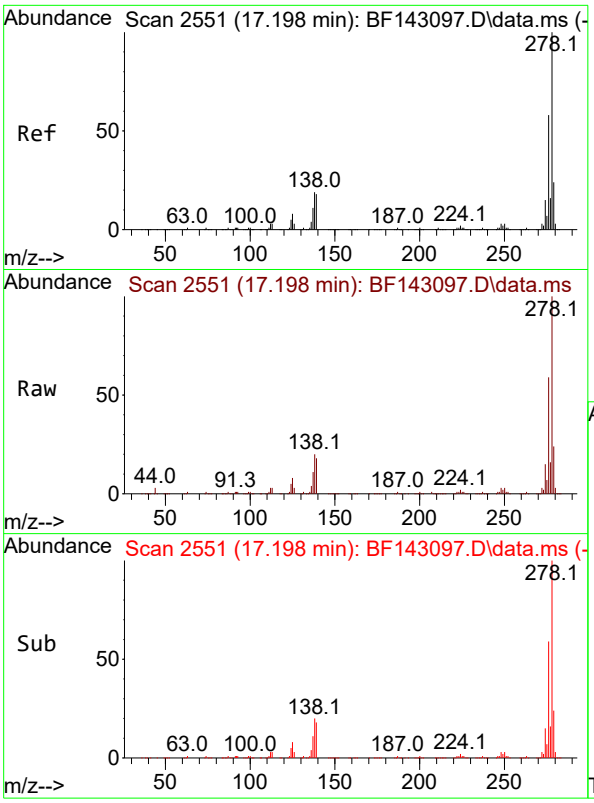


#90
Benzo(a)pyrene
Concen: 41.215 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 509307

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.7	9.4	14.0

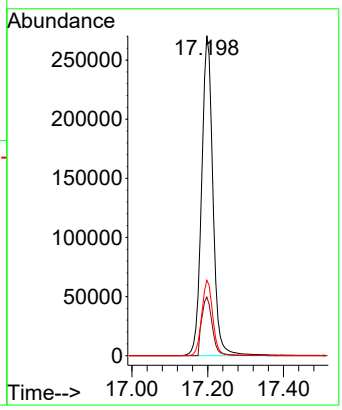




#91
Dibenzo(a,h)anthracene
Concen: 40.782 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:278 Resp: 56166

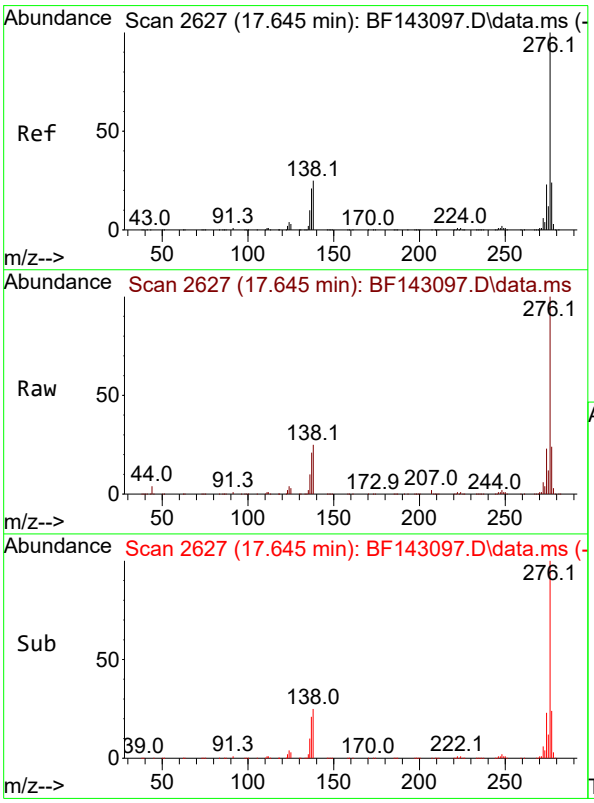
Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.6	22.0
279	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

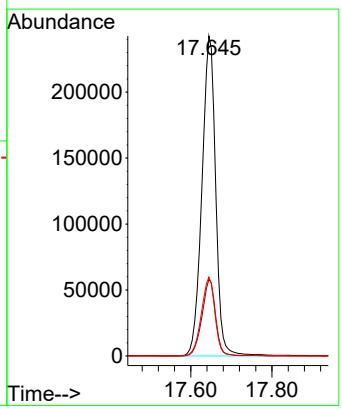
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 40.584 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:276 Resp: 569850

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	24.7	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119035	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	456501	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	223126	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	354075	20.000	ng	0.00
76) Chrysene-d12	14.127	240	183692	20.000	ng	0.00
86) Perylene-d12	15.633	264	221502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	776953	103.124	ng	0.00
7) Phenol-d6	6.587	99	978105	103.280	ng	0.00
23) Nitrobenzene-d5	7.528	82	911721	112.035	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	227678	114.439	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1628659	97.028	ng	0.00
79) Terphenyl-d14	13.075	244	1271626	101.195	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.811	88	196652	52.435	ng	99
3) Pyridine	3.581	79	500208	52.670	ng	99
4) n-Nitrosodimethylamine	3.528	42	261539	53.153	ng	100
6) Aniline	6.628	93	699680	52.465	ng	100
8) 2-Chlorophenol	6.751	128	405741	53.601	ng	100
9) Benzaldehyde	6.516	77	431994	59.864	ng	98
10) Phenol	6.598	94	529842m	51.680	ng	
11) bis(2-Chloroethyl)ether	6.698	93	408091	51.417	ng	98
12) 1,3-Dichlorobenzene	6.910	146	437876	51.203	ng	99
13) 1,4-Dichlorobenzene	6.987	146	441012	51.260	ng	100
14) 1,2-Dichlorobenzene	7.140	146	421724	51.401	ng	98
15) Benzyl Alcohol	7.104	79	373560	53.234	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	748892	51.187	ng	100
17) 2-Methylphenol	7.210	107	342357	52.409	ng	99
18) Hexachloroethane	7.487	117	148761	53.114	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	302685	52.169	ng	99
20) 3+4-Methylphenols	7.363	107	422794	52.776	ng	93
22) Acetophenone	7.375	105	549763	49.959	ng	97
24) Nitrobenzene	7.545	77	439273	55.918	ng	100
25) Isophorone	7.787	82	819274	52.088	ng	100
26) 2-Nitrophenol	7.863	139	160386	50.837	ng	99
27) 2,4-Dimethylphenol	7.893	122	379432	51.976	ng	100
28) bis(2-Chloroethoxy)met...	7.993	93	483608	50.704	ng	99
29) 2,4-Dichlorophenol	8.098	162	319968	53.575	ng	99
30) 1,2,4-Trichlorobenzene	8.193	180	345389	50.958	ng	99
31) Naphthalene	8.275	128	1126659	49.700	ng	100
32) Benzoic acid	7.998	122	180966	49.535	ng	98
33) 4-Chloroaniline	8.310	127	467074	51.237	ng	99
34) Hexachlorobutadiene	8.392	225	207797	51.263	ng	98
35) Caprolactam	8.681	113	99144	53.162	ng	96
36) 4-Chloro-3-methylphenol	8.787	107	350906	52.746	ng	98
37) 2-Methylnaphthalene	8.963	142	681726	50.410	ng	99
38) 1-Methylnaphthalene	9.063	142	701548	50.016	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	335206	51.551	ng	100
41) Hexachlorocyclopentadiene	9.122	237	198811	55.147	ng	98
43) 2,4,6-Trichlorophenol	9.234	196	223131	55.226	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	232905	54.977	ng		99
46) 1,1'-Biphenyl	9.428	154	897834	50.458	ng		100
47) 2-Chloronaphthalene	9.451	162	666760	51.007	ng		100
48) 2-Nitroaniline	9.539	65	207291	52.775	ng		98
49) Acenaphthylene	9.869	152	1109586	50.940	ng		99
50) Dimethylphthalate	9.722	163	726121	51.728	ng		100
51) 2,6-Dinitrotoluene	9.781	165	146385	52.497	ng		92
52) Acenaphthene	10.039	154	651291	50.669	ng		100
53) 3-Nitroaniline	9.945	138	177602	58.553	ng		99
54) 2,4-Dinitrophenol	10.051	184	47800	51.931	ng	#	1
55) Dibenzofuran	10.210	168	964545	50.344	ng		100
56) 4-Nitrophenol	10.092	139	133073	55.203	ng		98
57) 2,4-Dinitrotoluene	10.181	165	181610	52.116	ng		99
58) Fluorene	10.557	166	716173	49.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	189211	56.202	ng		98
60) Diethylphthalate	10.422	149	702995	51.909	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	348876	50.675	ng		99
62) 4-Nitroaniline	10.557	138	150470	57.045	ng		99
63) Azobenzene	10.704	77	770603	51.451	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	70324	51.847	ng		92
66) n-Nitrosodiphenylamine	10.663	169	634539	51.019	ng		100
67) 4-Bromophenyl-phenylether	11.034	248	211371	52.494	ng		99
68) Hexachlorobenzene	11.104	284	221245	51.785	ng		98
69) Atrazine	11.181	200	172972	54.359	ng		98
70) Pentachlorophenol	11.292	266	131545	56.120	ng		99
71) Phenanthrene	11.516	178	963568	50.425	ng		100
72) Anthracene	11.569	178	979118	50.953	ng		99
73) Carbazole	11.716	167	883827	51.340	ng		100
74) Di-n-butylphthalate	12.051	149	870362	55.079	ng		100
75) Fluoranthene	12.704	202	883558	50.852	ng		100
77) Benzidine	12.816	184	309313	49.425	ng		99
78) Pyrene	12.933	202	880826	51.681	ng		99
80) Butylbenzylphthalate	13.545	149	176615	51.324	ng		96
81) Benzo(a)anthracene	14.122	228	644353	52.641	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	196472	55.273	ng		100
83) Chrysene	14.157	228	583302	51.740	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	265225	51.119	ng		99
85) Di-n-octyl phthalate	14.727	149	492840	50.100	ng		99
87) Indeno(1,2,3-cd)pyrene	17.180	276	896872	54.440	ng		100
88) Benzo(b)fluoranthene	15.192	252	718106	56.204	ng		100
89) Benzo(k)fluoranthene	15.221	252	602261	49.410	ng		100
90) Benzo(a)pyrene	15.574	252	662193	54.800	ng		99
91) Dibenzo(a,h)anthracene	17.204	278	736672	54.700	ng		99
92) Benzo(g,h,i)perylene	17.651	276	746789	54.390	ng		98

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

ICAL Form

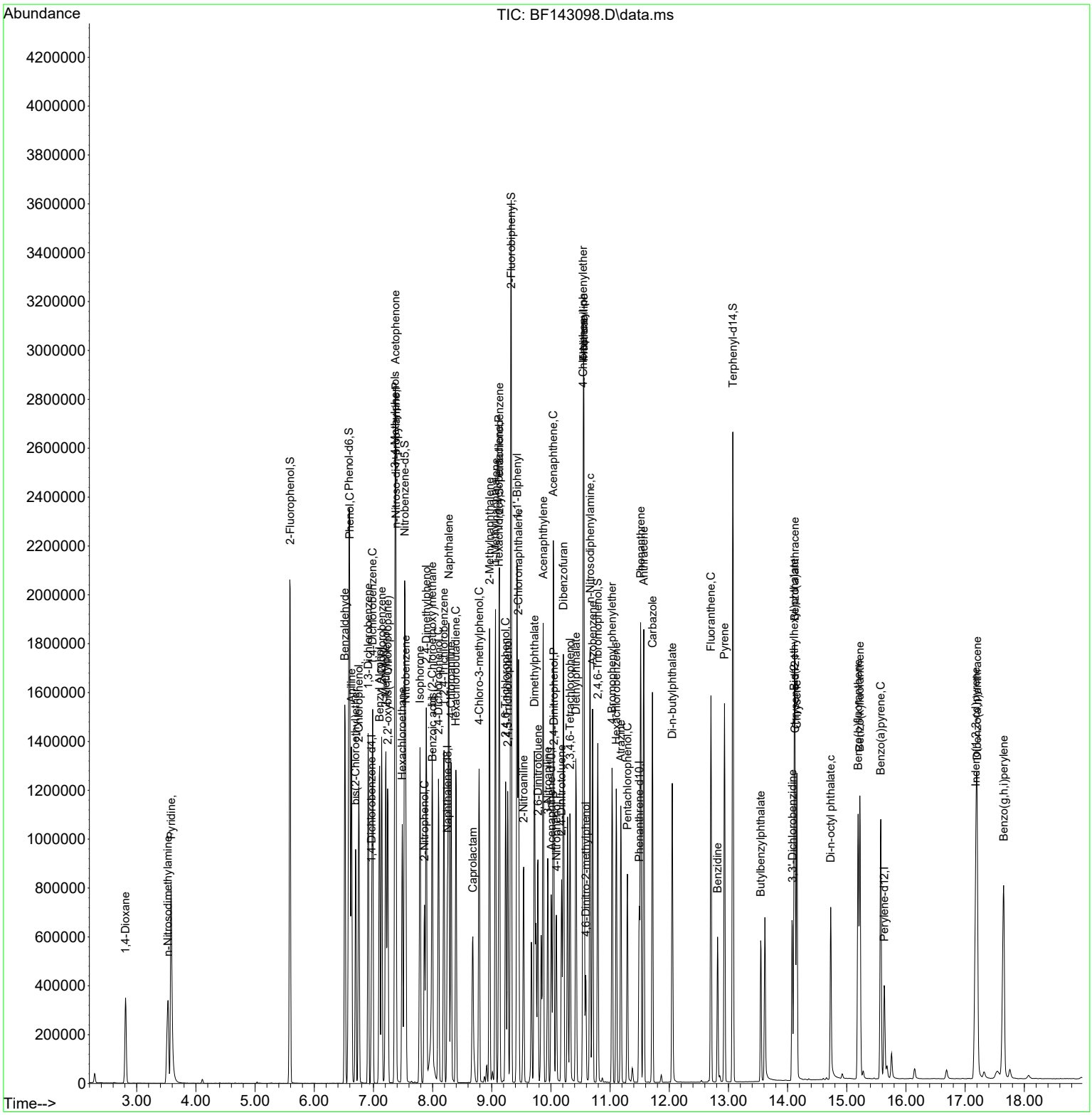
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

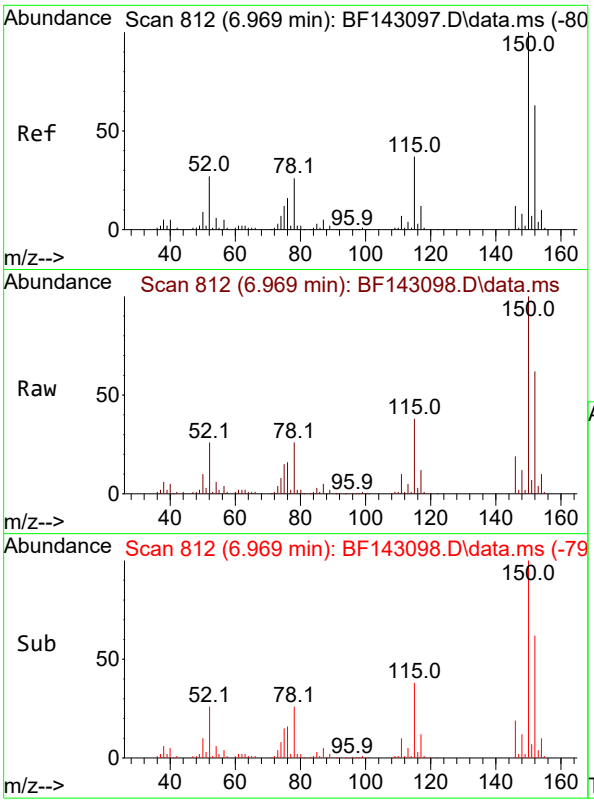
Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

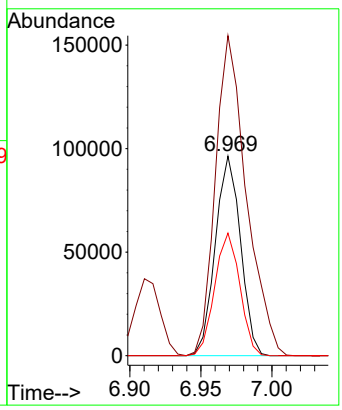




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:152 Resp: 11903

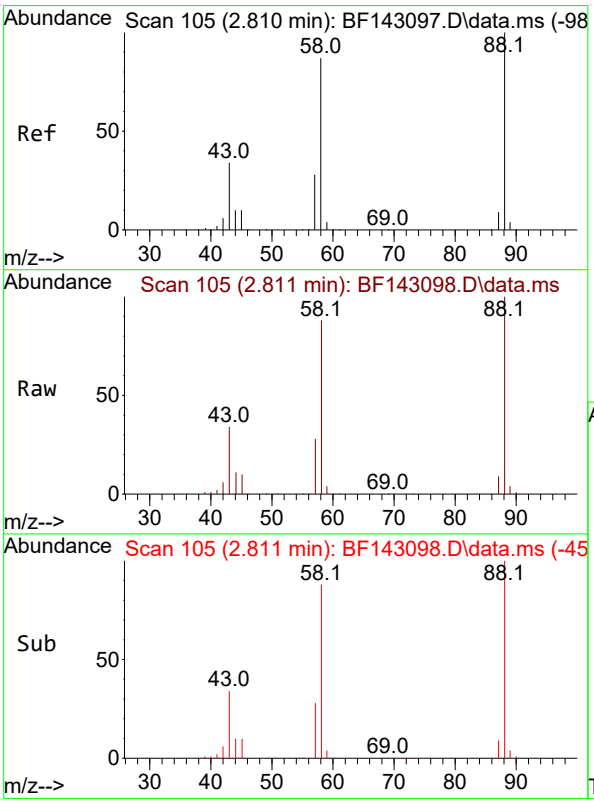
Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.5	189.7
115	61.5	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

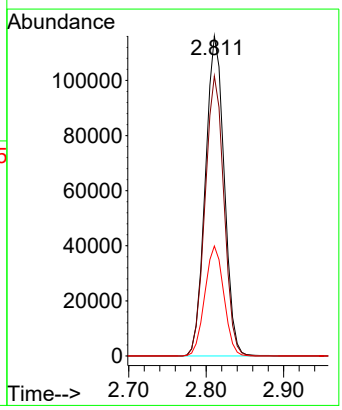
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

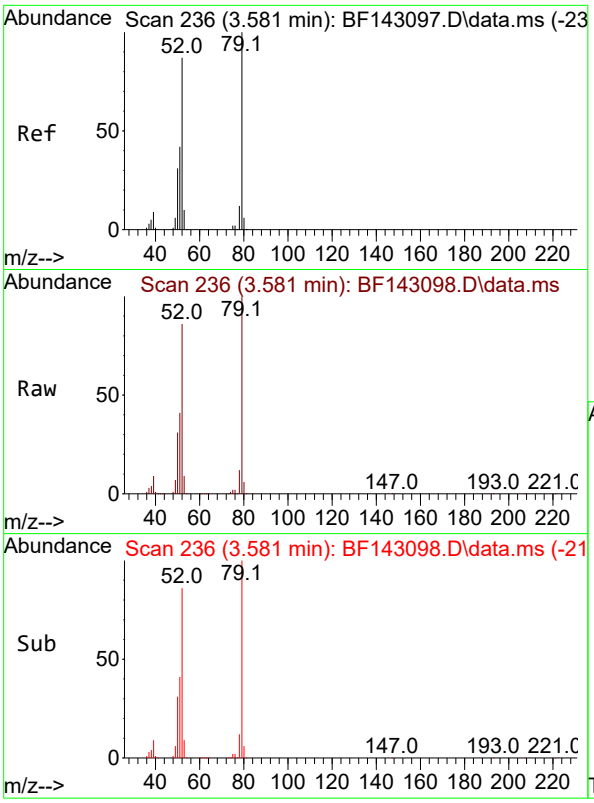


#2
1,4-Dioxane
Concen: 52.435 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 88 Resp: 196652

Ion	Ratio	Lower	Upper
88	100		
58	87.3	70.5	105.7
43	34.6	27.3	40.9

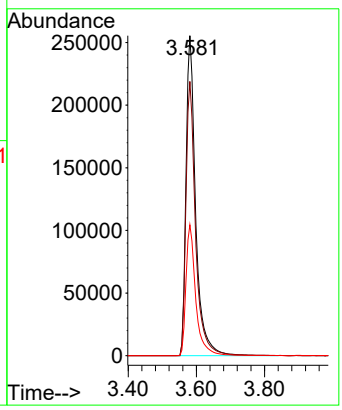




#3
Pyridine
Concen: 52.670 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 79 Resp: 50020

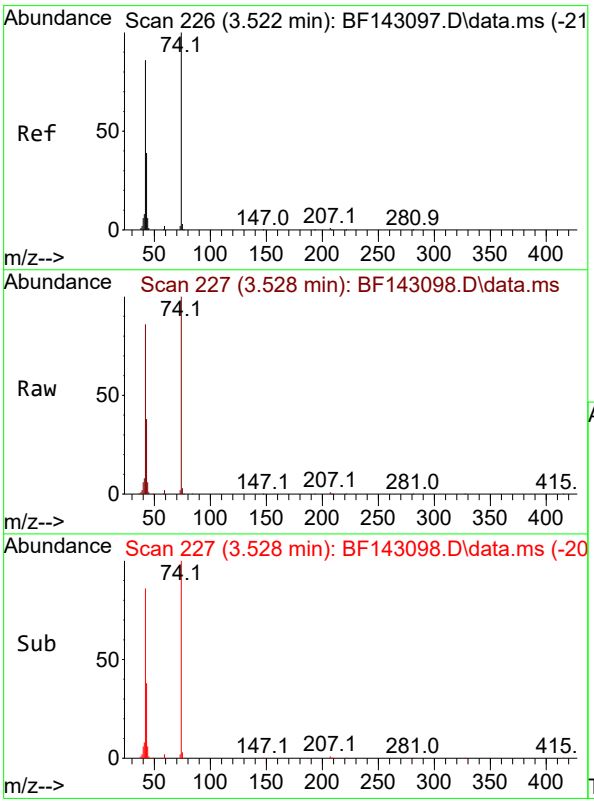
Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.2	103.8
51	40.9	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

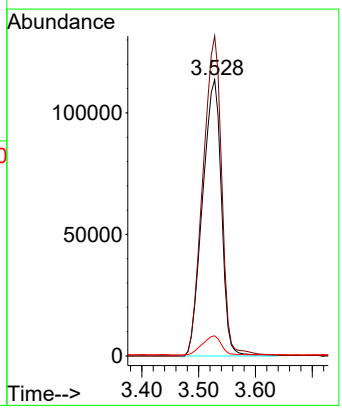
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

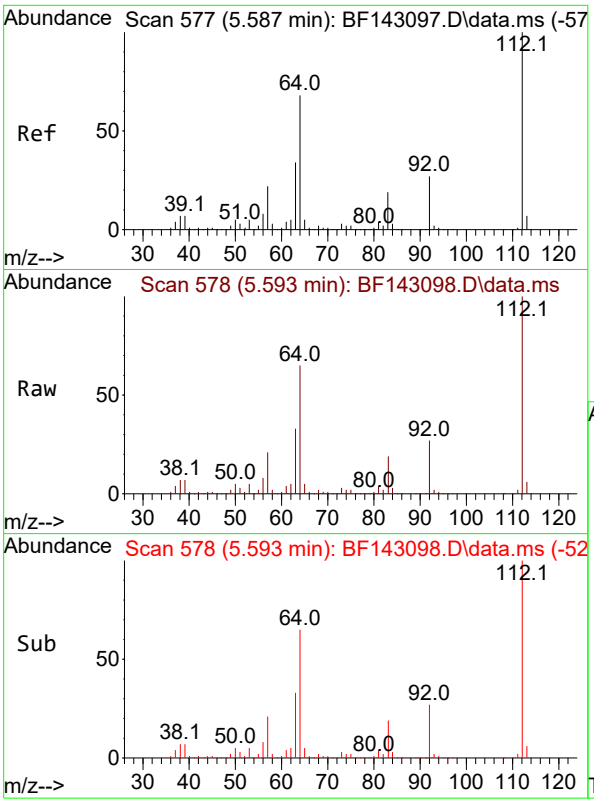


#4
n-Nitrosodimethylamine
Concen: 53.153 ng
RT: 3.528 min Scan# 227
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 42 Resp: 261539

Ion	Ratio	Lower	Upper
42	100		
74	115.8	92.8	139.2
44	7.3	5.8	8.6

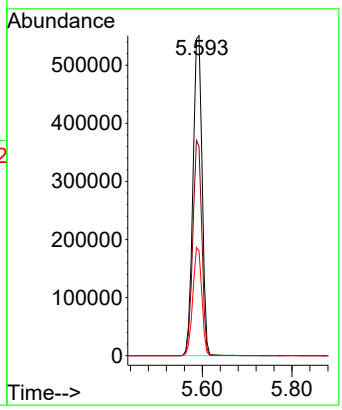




#5
2-Fluorophenol
Concen: 103.124 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:112 Resp: 77695

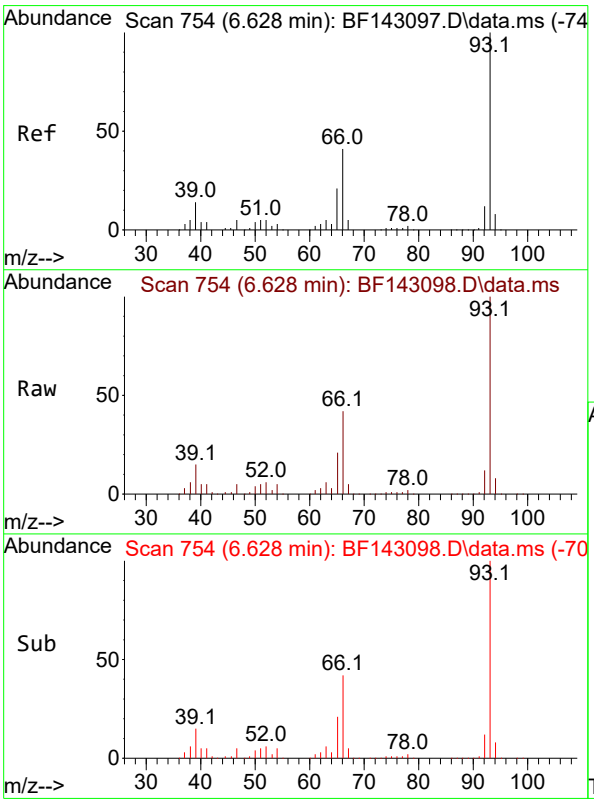
Ion	Ratio	Lower	Upper
112	100		
64	65.4	54.6	82.0
63	32.8	27.3	40.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

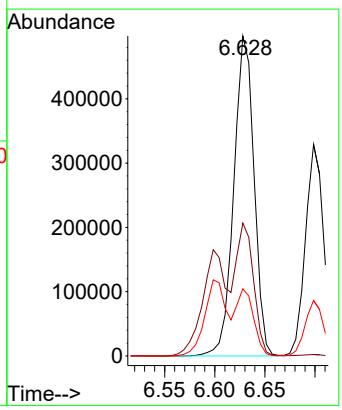
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

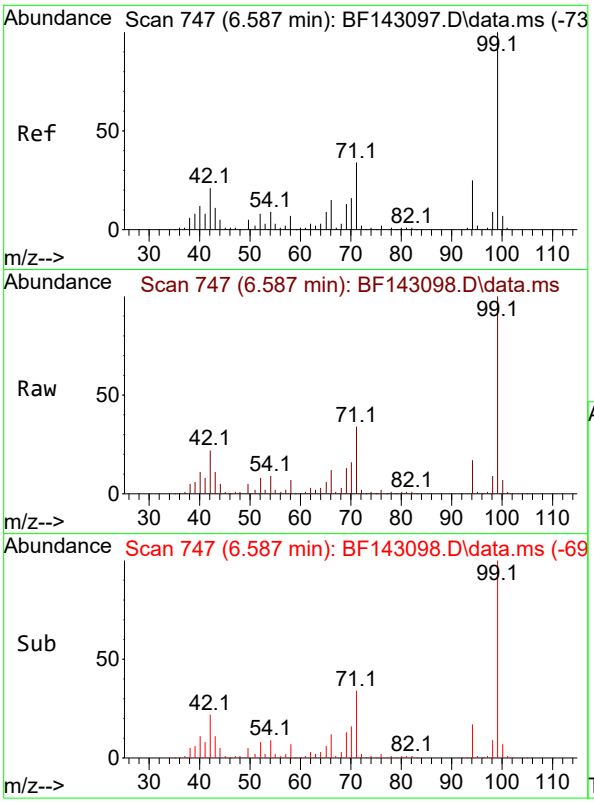


#6
Aniline
Concen: 52.465 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 699680

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.1	49.7
65	21.0	16.9	25.3

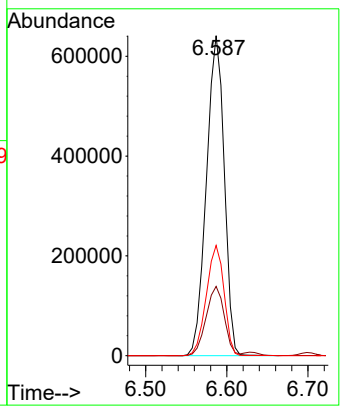




#7
Phenol-d6
Concen: 103.280 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 99 Resp: 97810

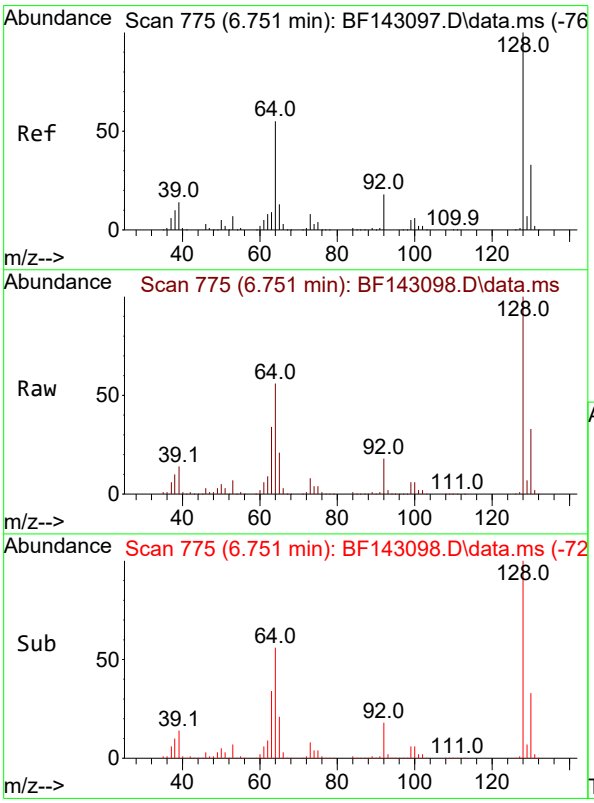
Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.2	25.8
71	34.4	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

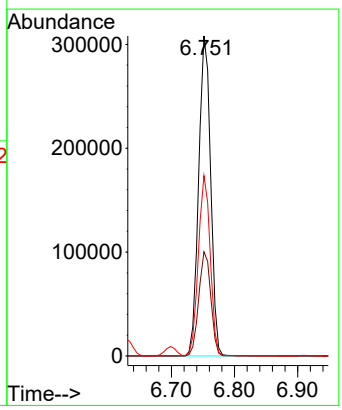
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

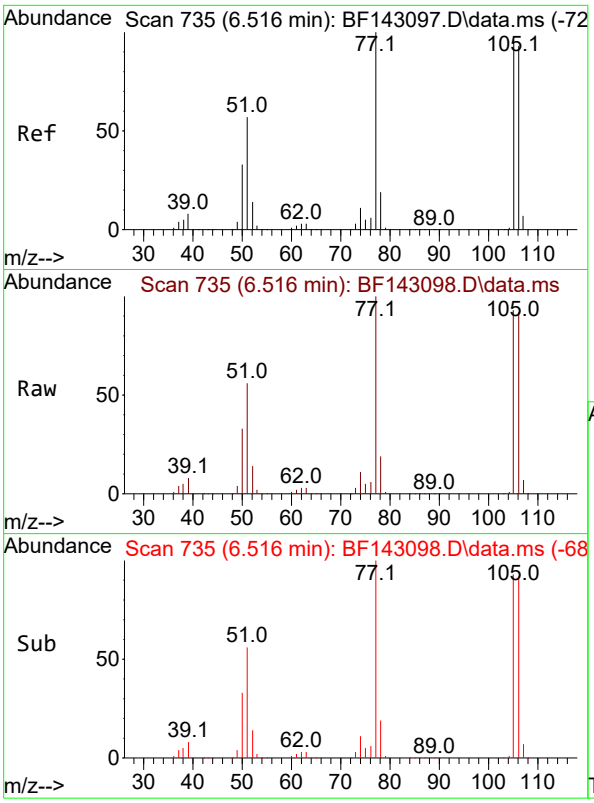


#8
2-Chlorophenol
Concen: 53.601 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:128 Resp: 405741

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	56.3	36.1	76.1

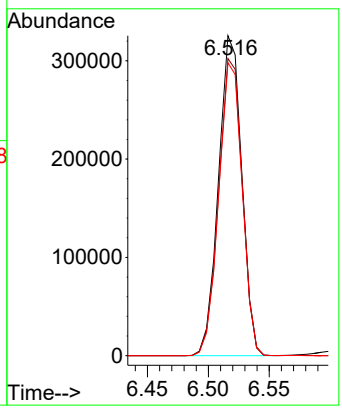




#9
Benzaldehyde
Concen: 59.864 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 43199

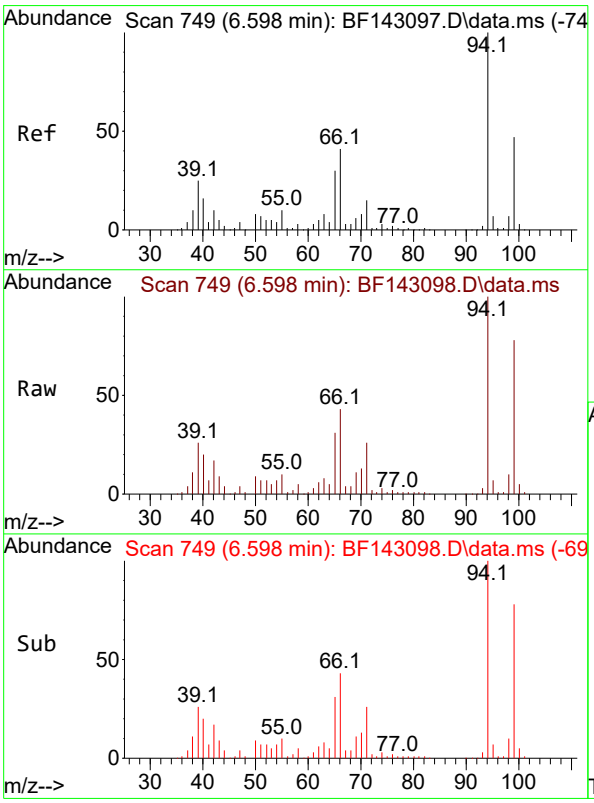
Ion	Ratio	Lower	Upper
77	100		
105	92.9	76.3	116.3
106	91.5	72.8	112.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

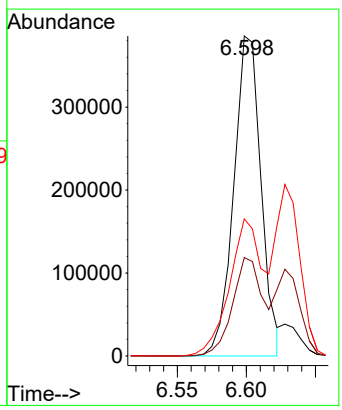
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

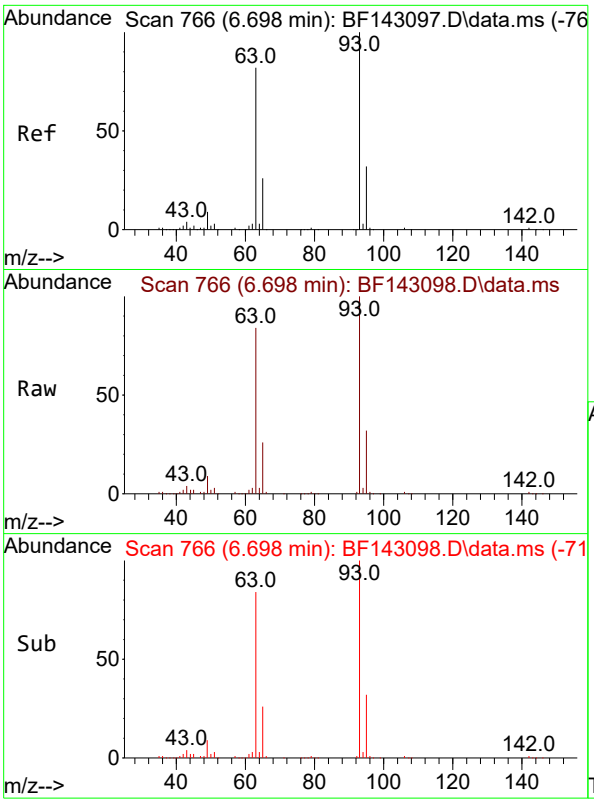


#10
Phenol
Concen: 51.680 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 94 Resp: 529842

Ion	Ratio	Lower	Upper
94	100		
65	30.7	9.8	49.8
66	42.9	20.5	60.5

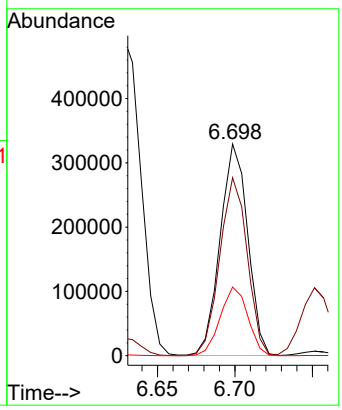




#11
bis(2-Chloroethyl)ether
Concen: 51.417 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 40809

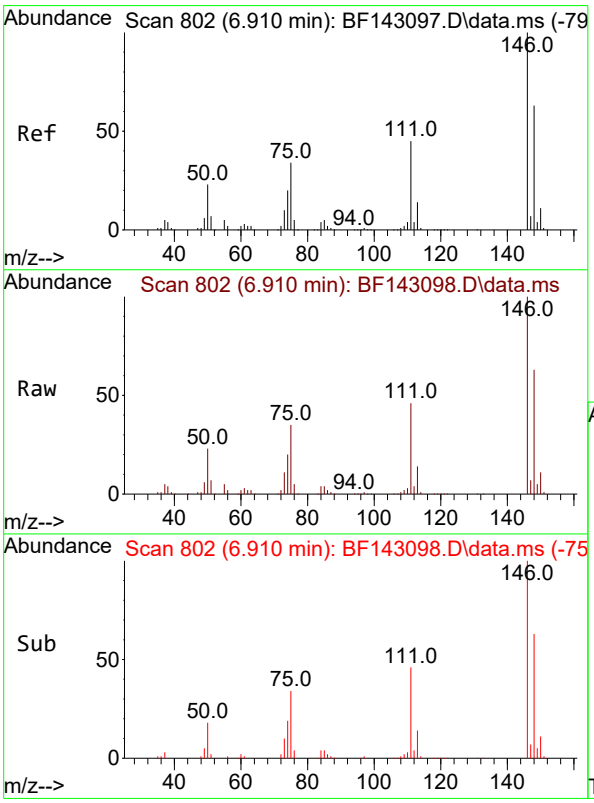
Ion	Ratio	Lower	Upper
93	100		
63	84.0	61.9	101.9
95	32.4	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

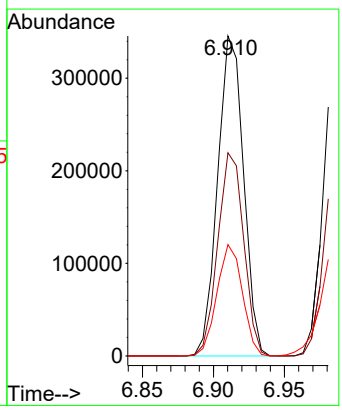
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

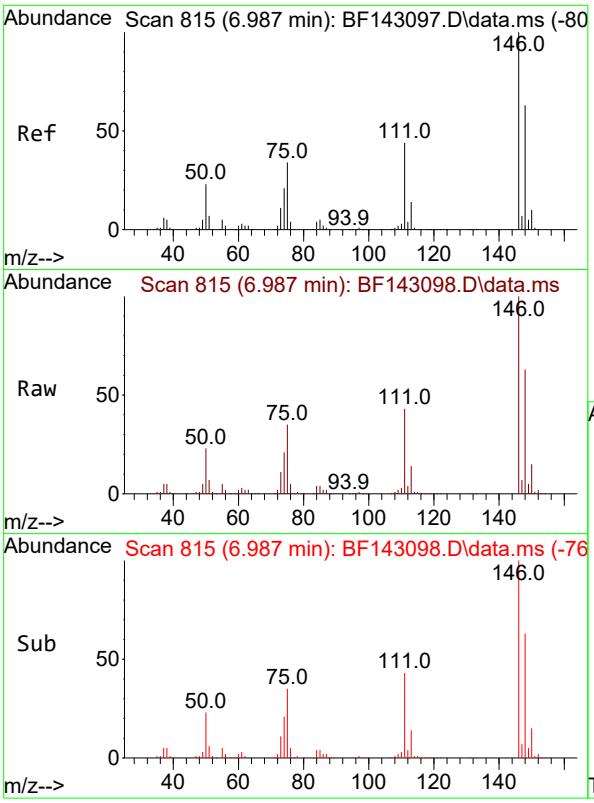


#12
1,3-Dichlorobenzene
Concen: 51.203 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 437876

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.1	75.1
75	34.8	27.4	41.0

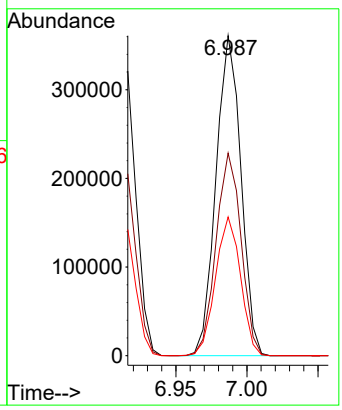




#13
1,4-Dichlorobenzene
Concen: 51.260 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 44101

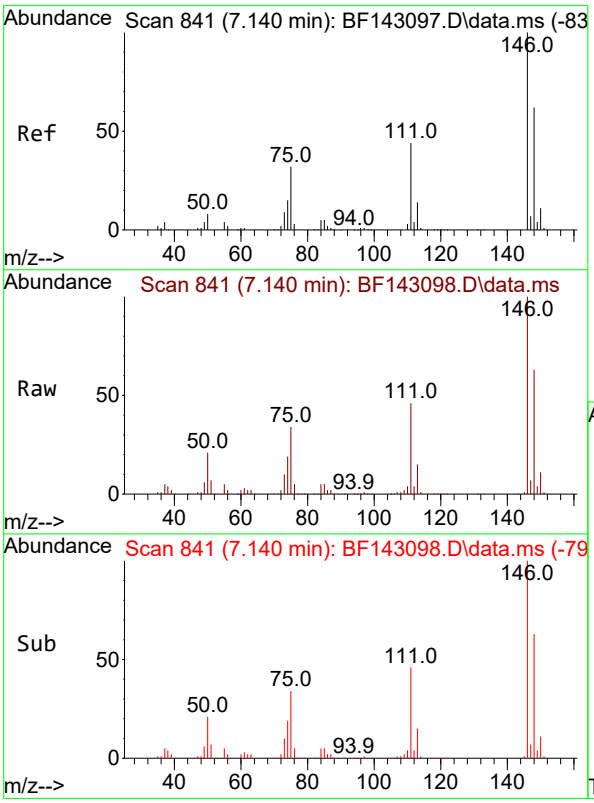
Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	43.3	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

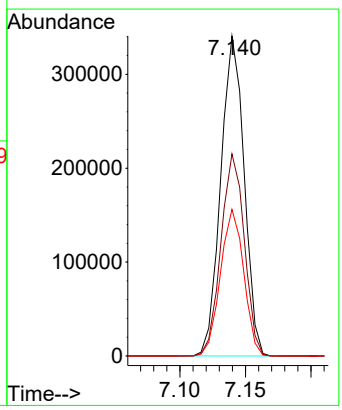
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

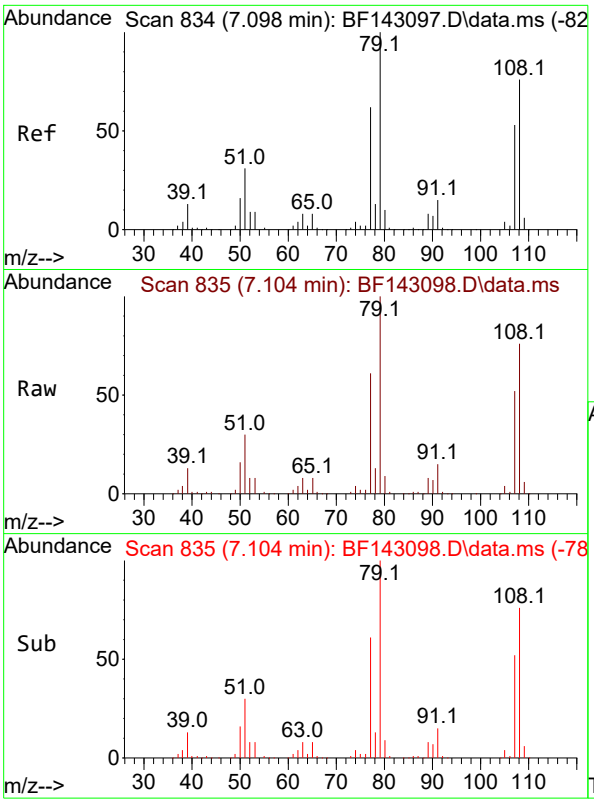


#14
1,2-Dichlorobenzene
Concen: 51.401 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 421724

Ion	Ratio	Lower	Upper
146	100		
148	63.1	49.8	74.6
111	45.8	35.4	53.0

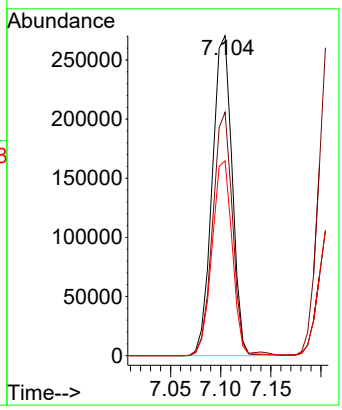




#15
Benzyl Alcohol
Concen: 53.234 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 79 Resp: 37356

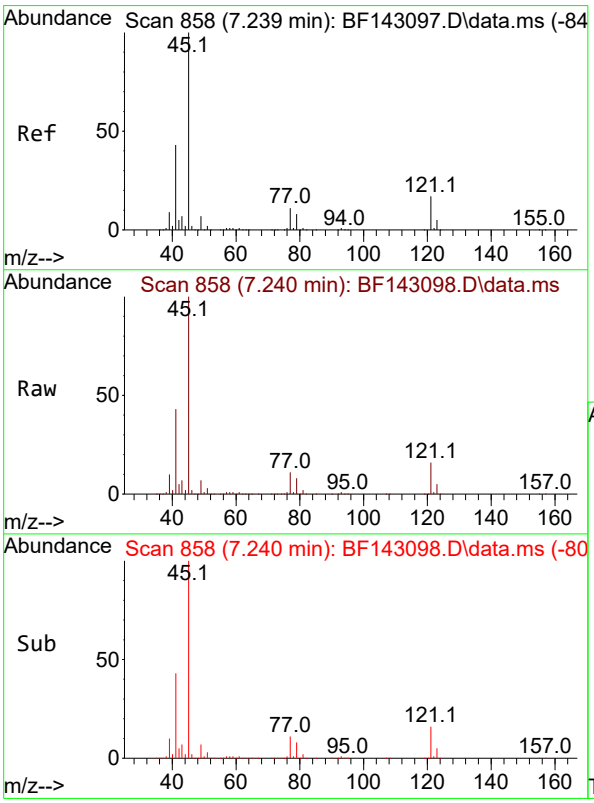
Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.1	91.7
77	60.9	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

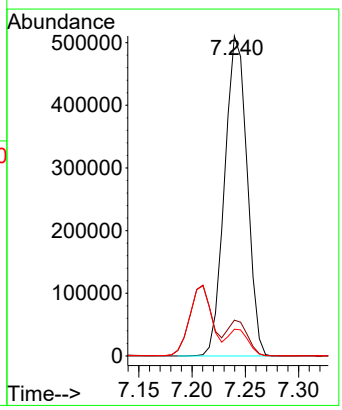
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

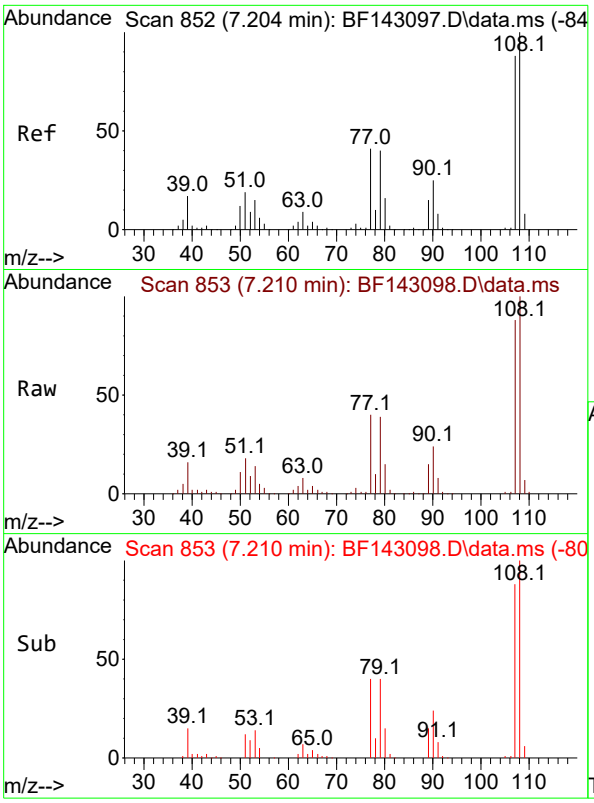


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.187 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 45 Resp: 748892

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.1
79	8.4	0.0	28.4

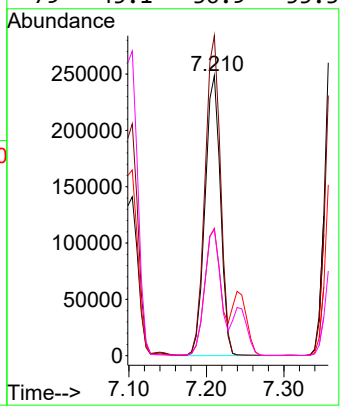




#17
2-Methylphenol
Concen: 52.409 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 34235

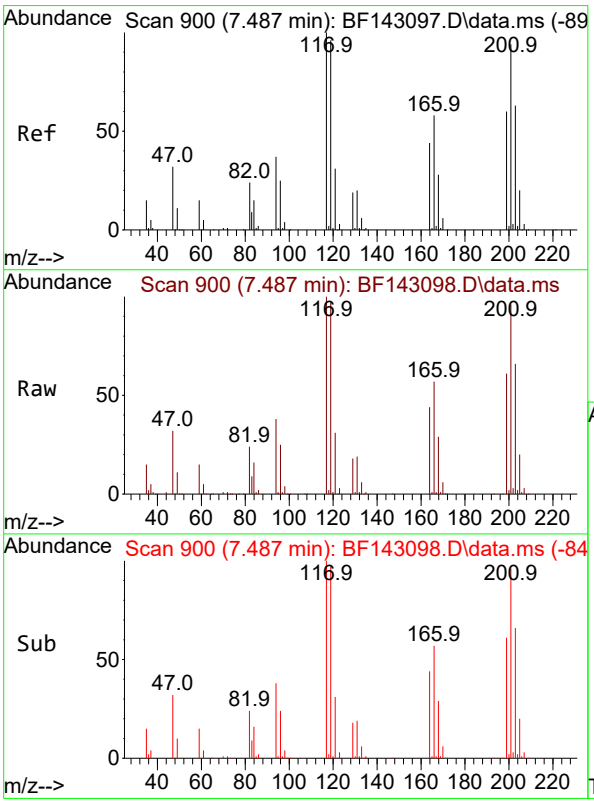
Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.9	136.3
77	45.5	37.5	56.3
79	45.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

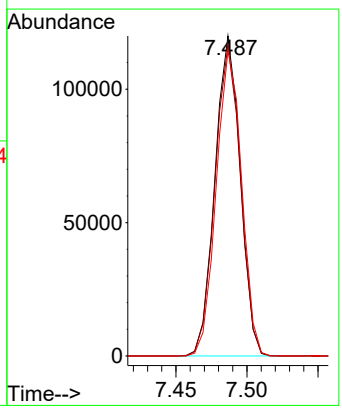
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

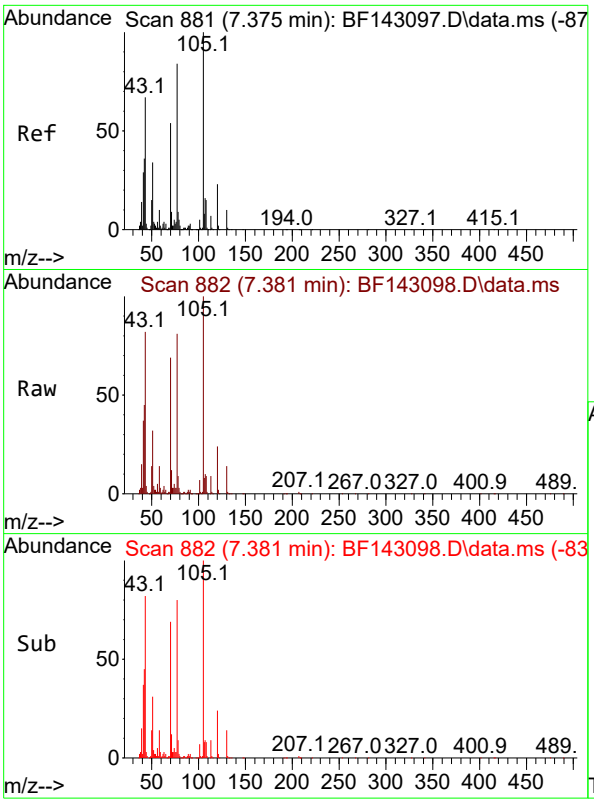


#18
Hexachloroethane
Concen: 53.114 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:117 Resp: 148761

Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
201	95.5	75.0	112.4

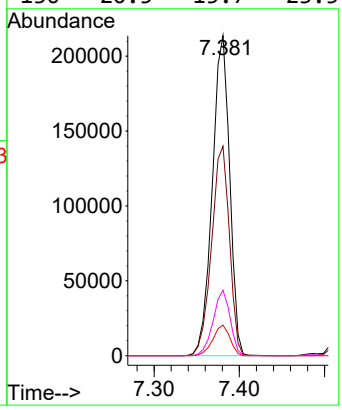




#19
n-Nitroso-di-n-propylamine
Concen: 52.169 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 70 Resp: 30268

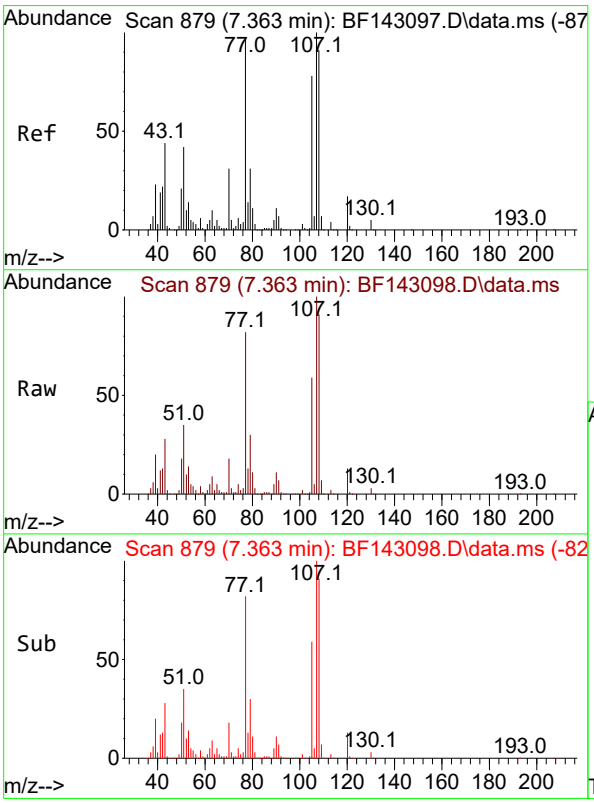
Ion	Ratio	Lower	Upper
70	100		
42	65.5	53.2	79.8
101	9.6	7.5	11.3
130	20.5	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

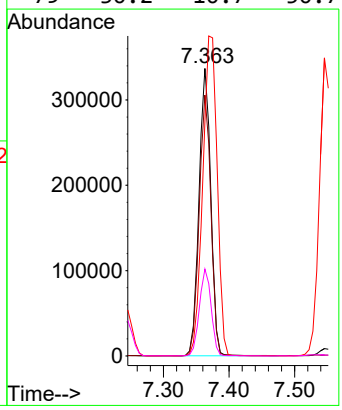
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

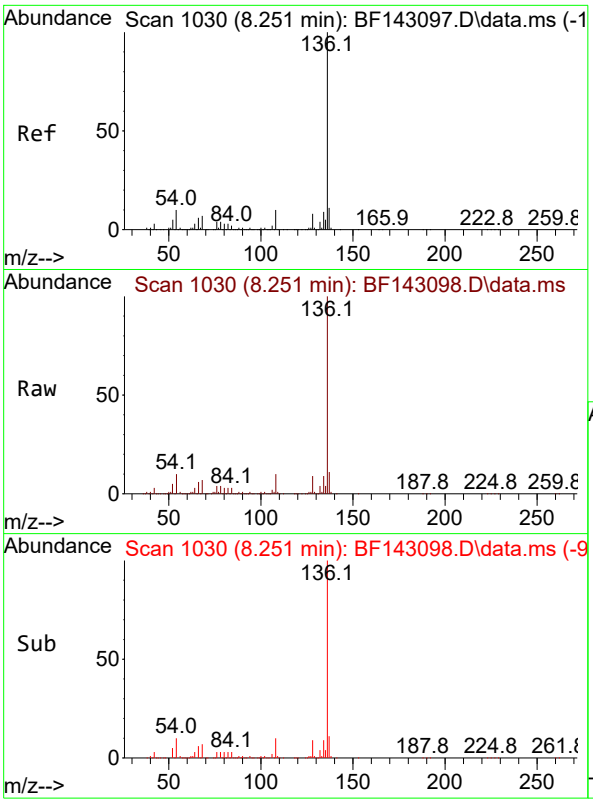


#20
3+4-Methylphenols
Concen: 52.776 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 422794

Ion	Ratio	Lower	Upper
107	100		
108	90.7	71.3	111.3
77	81.5	77.2	117.2
79	30.2	10.7	50.7

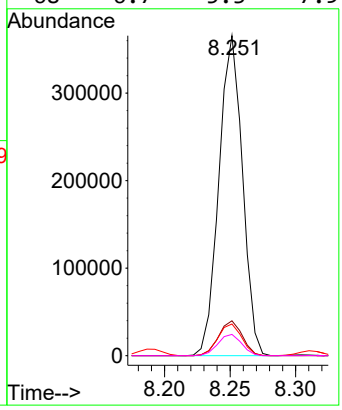




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:136 Resp: 45650

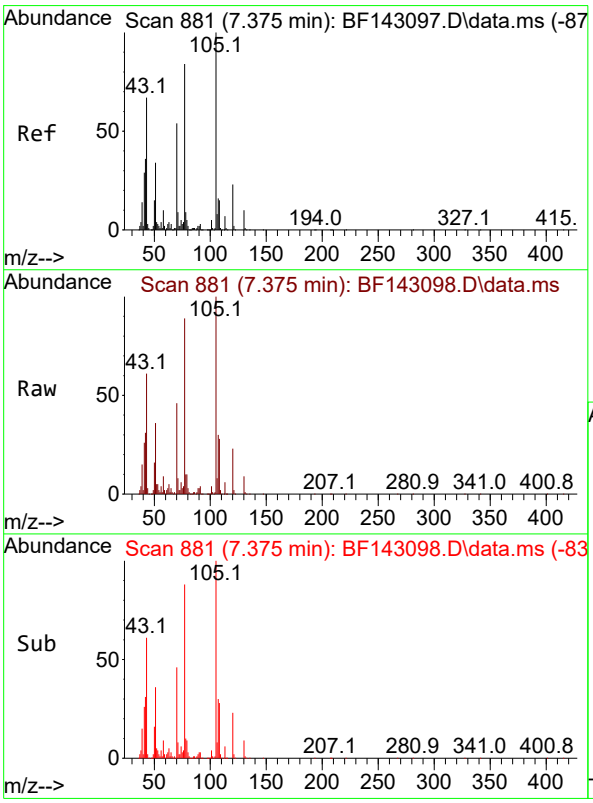
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.9	8.3	12.5
68	6.7	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

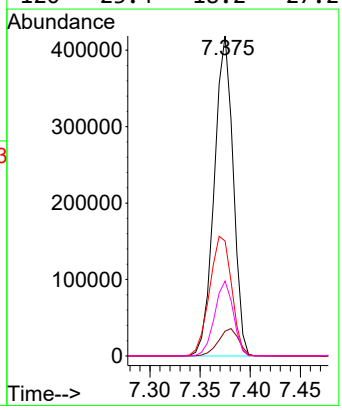
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

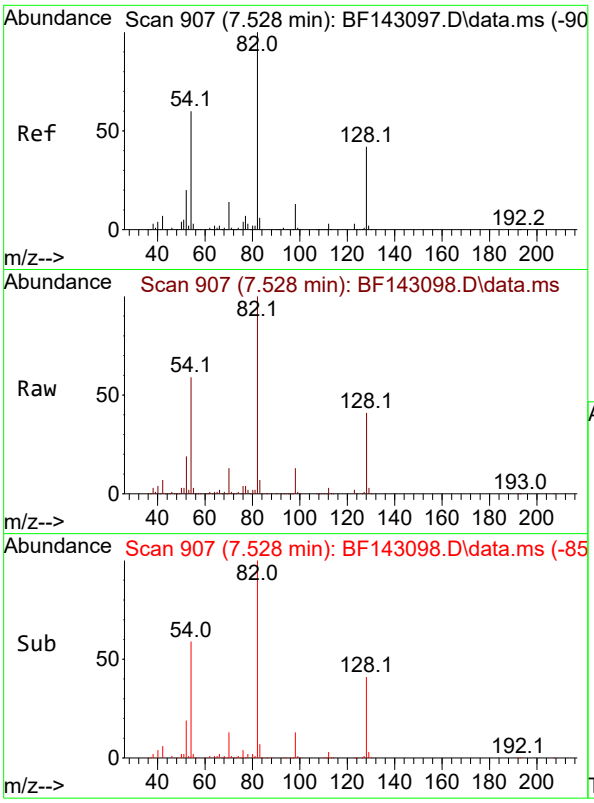


#22
Acetophenone
Concen: 49.959 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:105 Resp: 549763

Ion	Ratio	Lower	Upper
105	100		
71	7.8	7.2	10.8
51	36.0	27.0	40.4
120	23.4	18.2	27.2





#23
Nitrobenzene-d5
Concen: 112.035 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

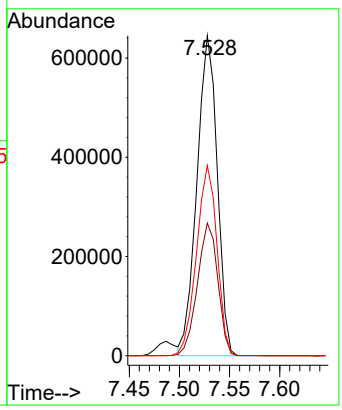
Tgt Ion: 82 Resp: 91172

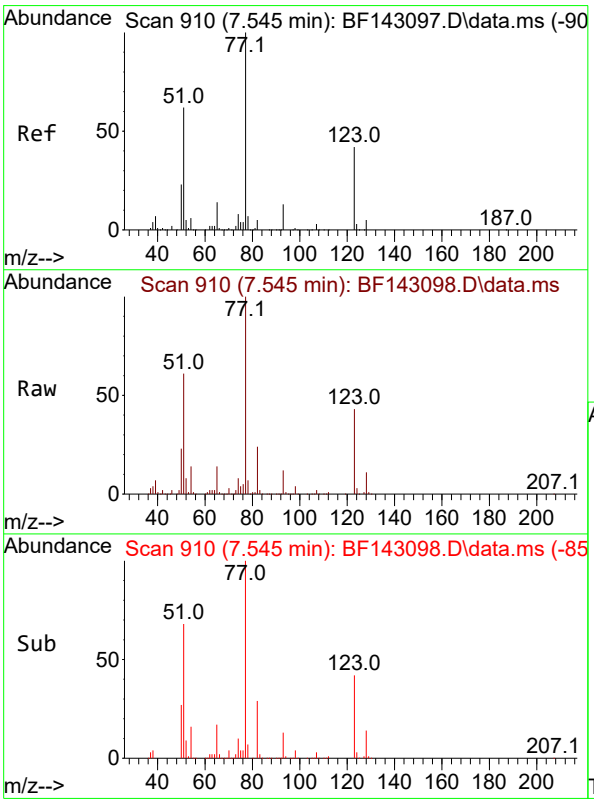
Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.3	49.9
54	59.4	47.4	71.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

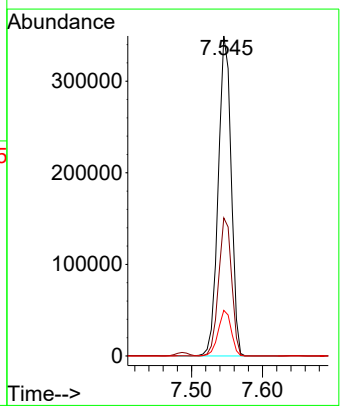


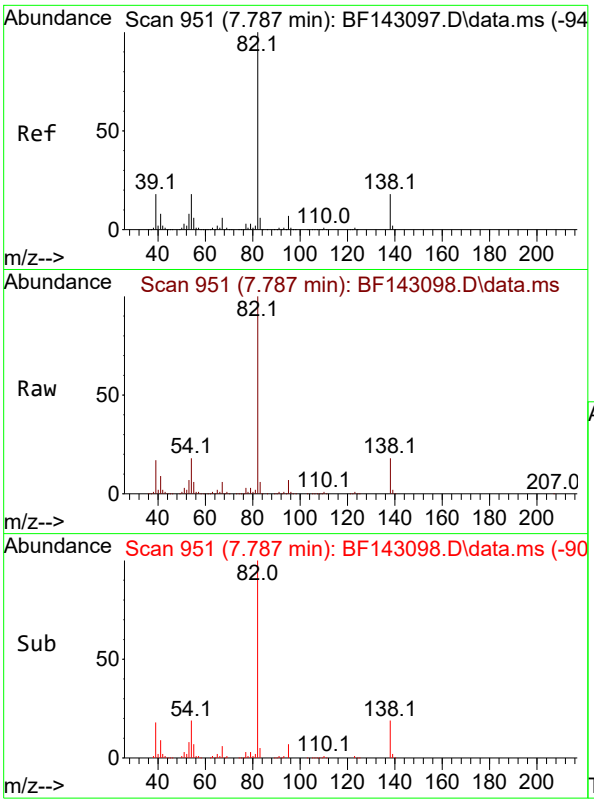


#24
Nitrobenzene
Concen: 55.918 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 439273

Ion	Ratio	Lower	Upper
77	100		
123	43.2	34.5	51.7
65	14.3	11.3	16.9





#25
Isophorone
Concen: 52.088 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

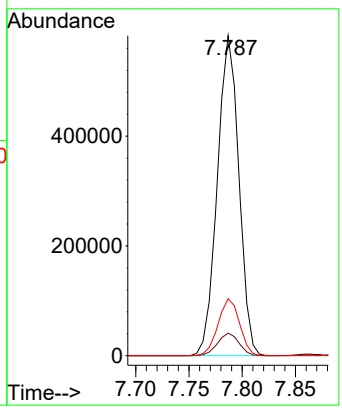
Tgt Ion: 82 Resp: 81927

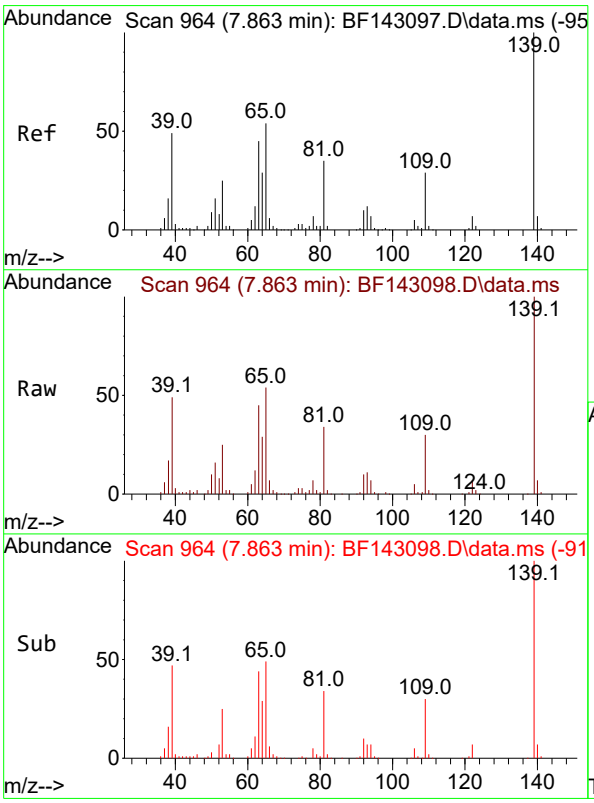
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.8	14.3	21.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

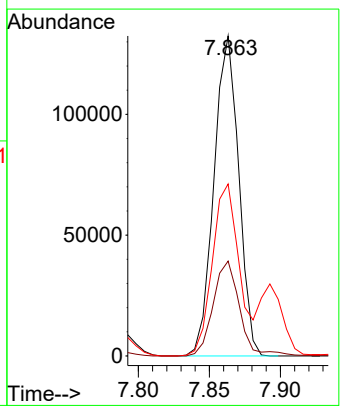


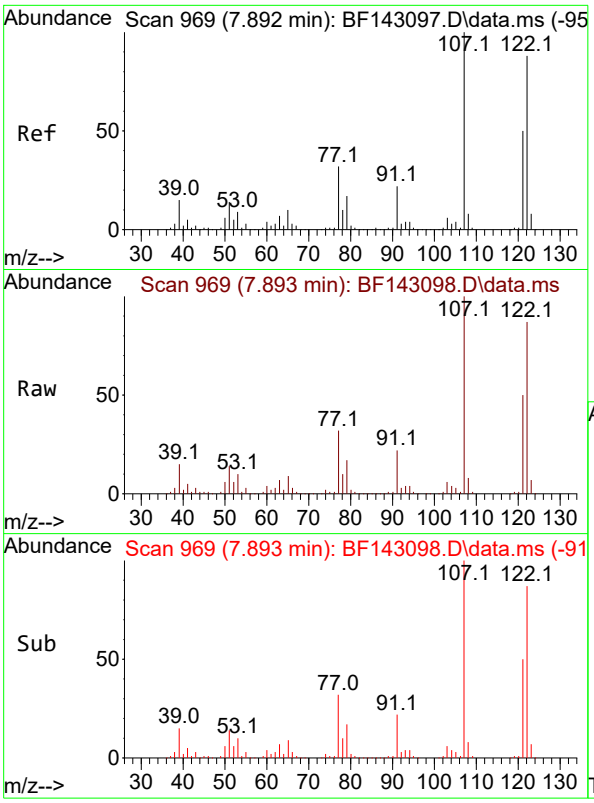


#26
2-Nitrophenol
Concen: 50.837 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 160386

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.4	35.0
65	53.7	43.4	65.2

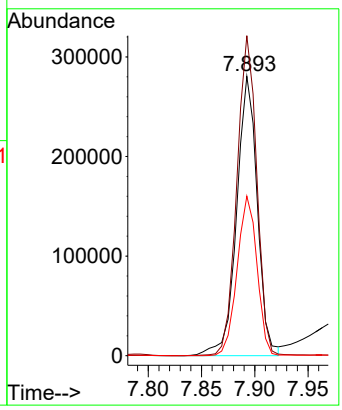




#27
2,4-Dimethylphenol
Concen: 51.976 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:122 Resp: 37943

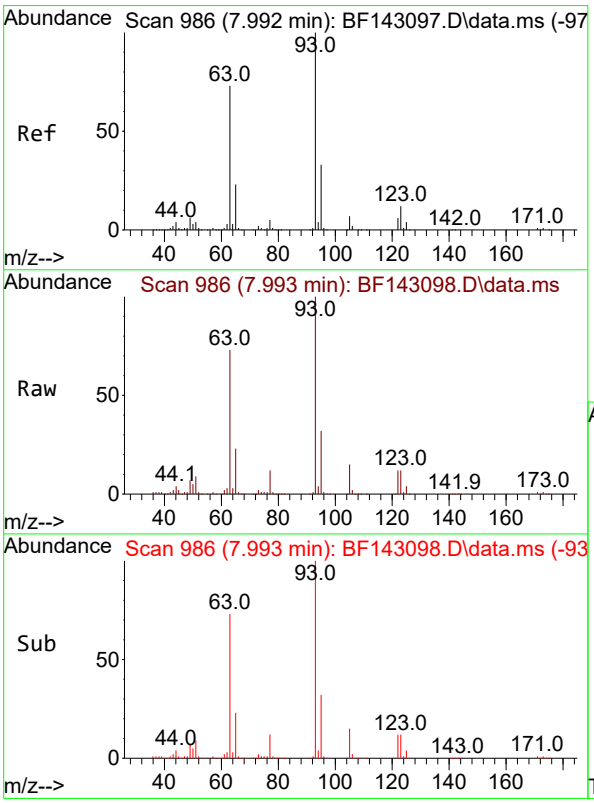
Ion	Ratio	Lower	Upper
122	100		
107	114.5	91.3	136.9
121	57.1	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

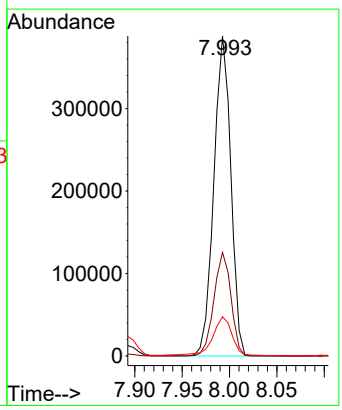
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

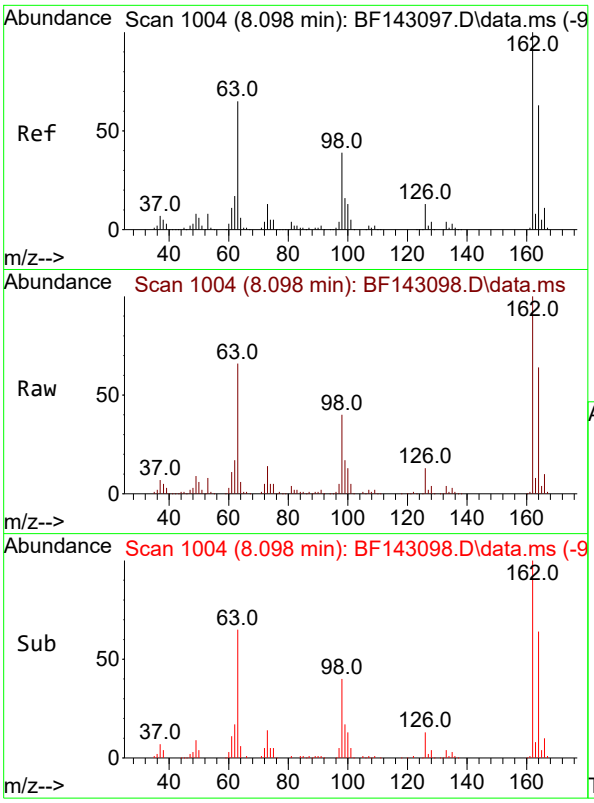


#28
bis(2-Chloroethoxy)methane
Concen: 50.704 ng
RT: 7.993 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 483608

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	12.2	9.6	14.4

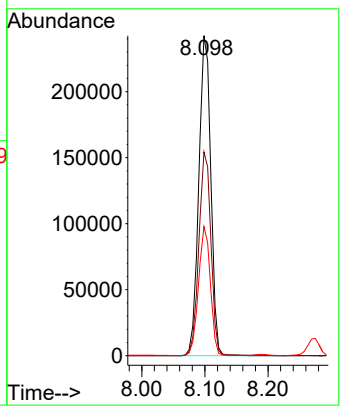




#29
2,4-Dichlorophenol
Concen: 53.575 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:162 Resp: 31996

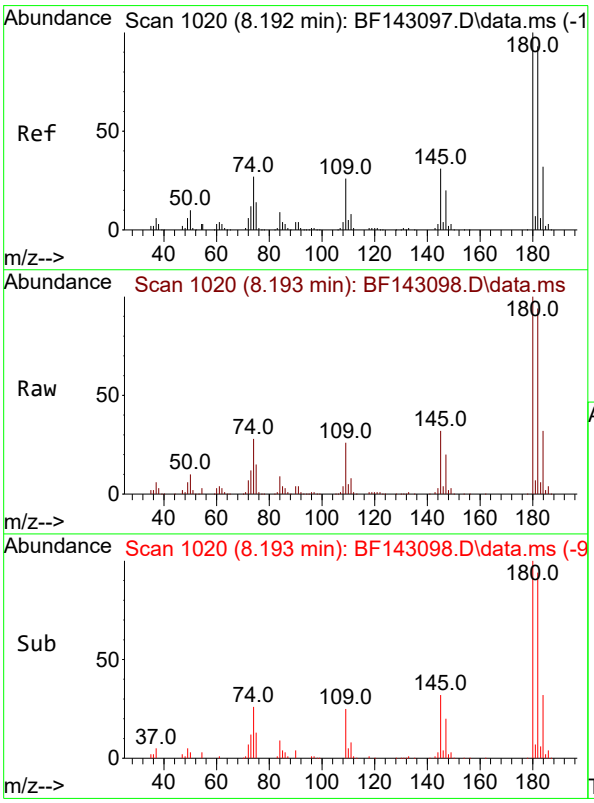
Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.1	83.1
98	40.4	19.2	59.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

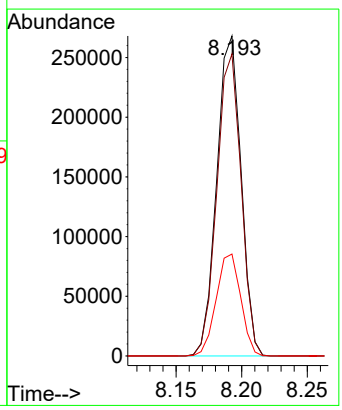
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

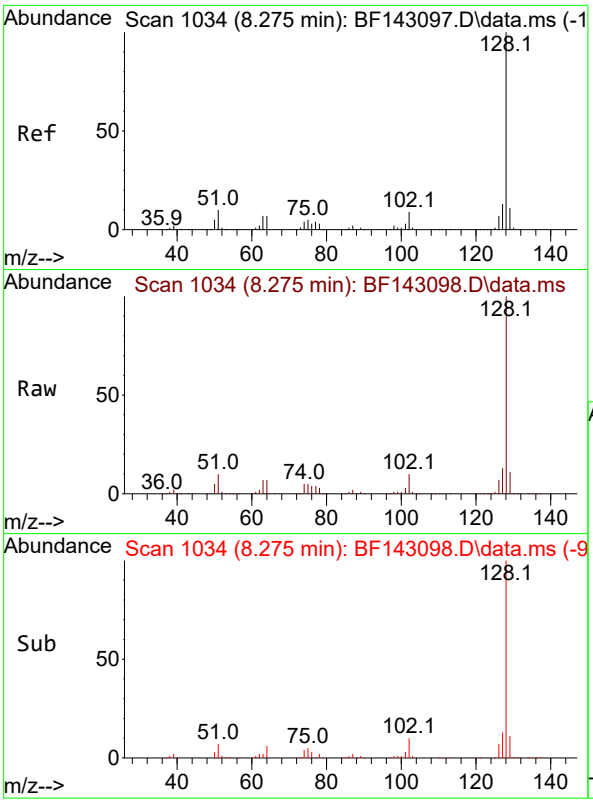


#30
1,2,4-Trichlorobenzene
Concen: 50.958 ng
RT: 8.193 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:180 Resp: 345389

Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.7	112.1
145	31.8	24.5	36.7





#31
Naphthalene
Concen: 49.700 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

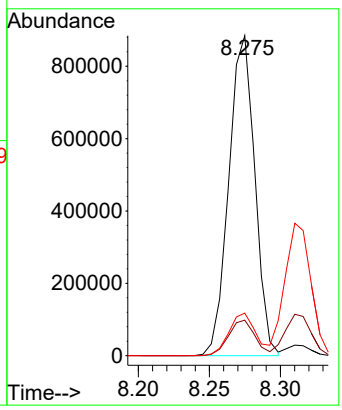
Tgt Ion:128 Resp: 112665

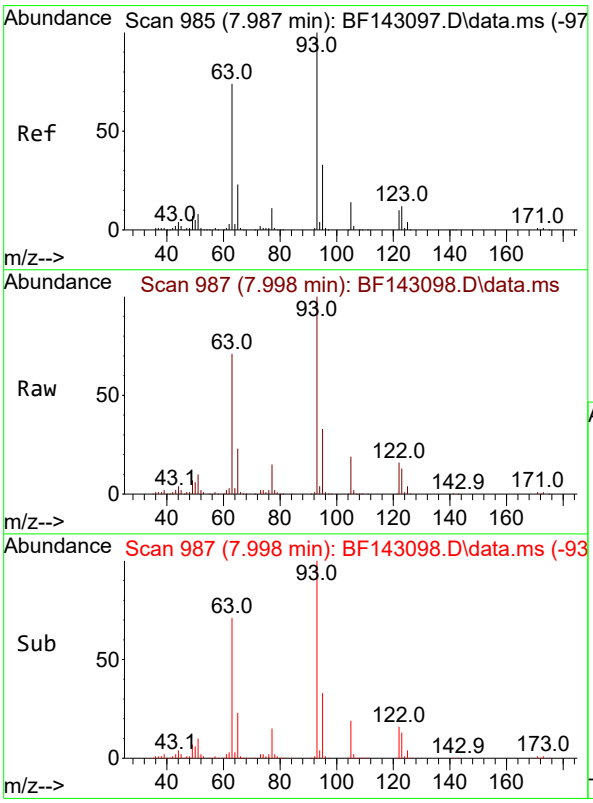
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.3	10.5	15.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

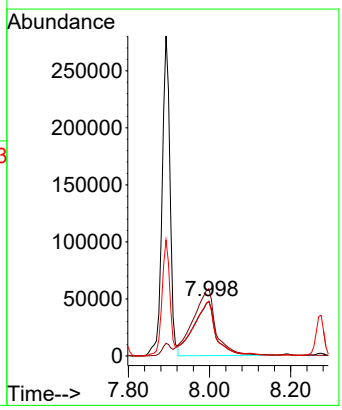


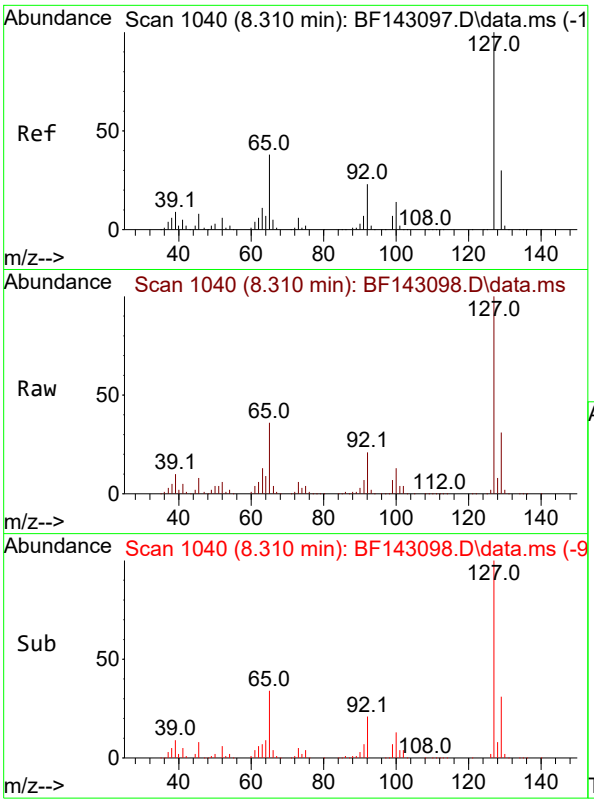


#32
Benzoic acid
Concen: 49.535 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.011 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:122 Resp: 180966

Ion	Ratio	Lower	Upper
122	100		
105	122.8	105.4	145.4
77	99.4	78.6	118.6

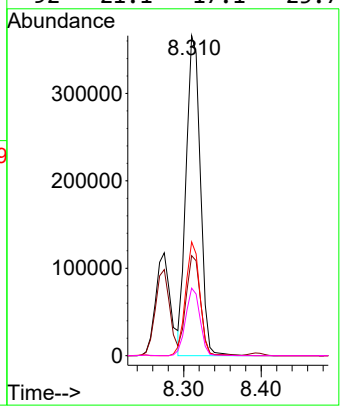




#33
4-Chloroaniline
Concen: 51.237 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:127 Resp: 46707

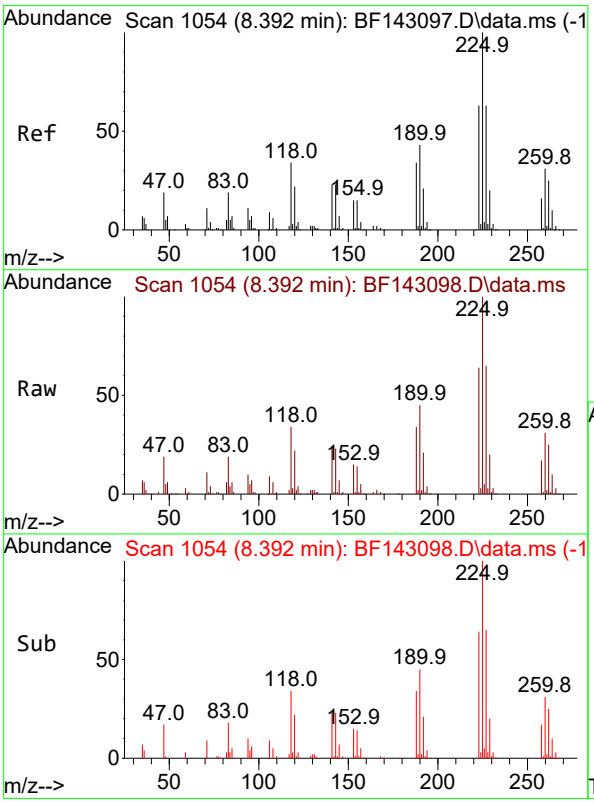
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.4
65	35.6	28.6	42.8
92	21.1	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

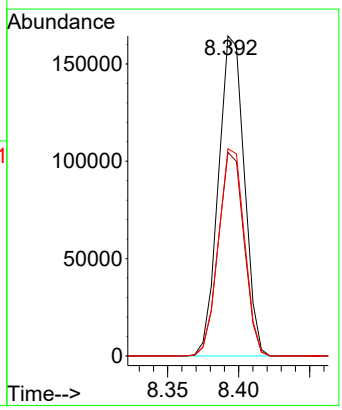
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

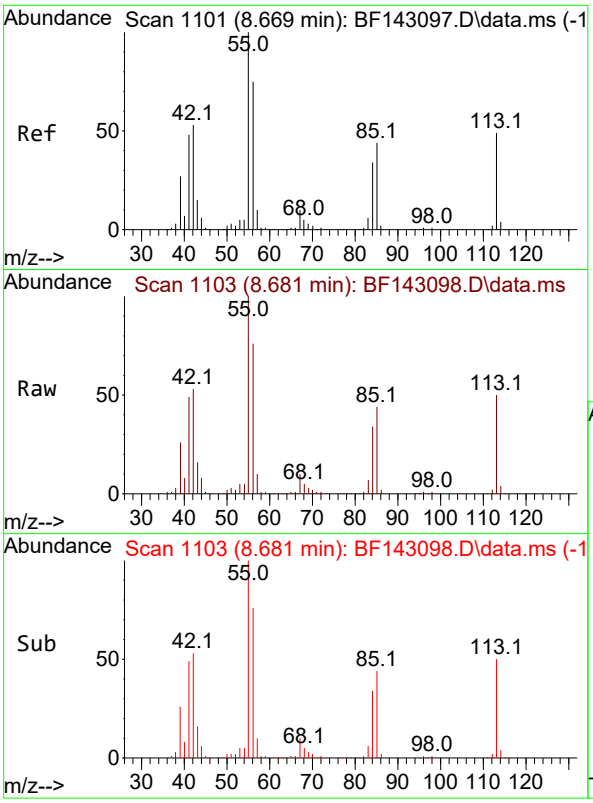


#34
Hexachlorobutadiene
Concen: 51.263 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:225 Resp: 207797

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	64.7	50.1	75.1

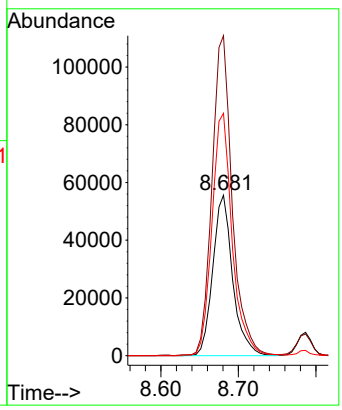




#35
Caprolactam
Concen: 53.162 ng
RT: 8.681 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:113 Resp: 9914

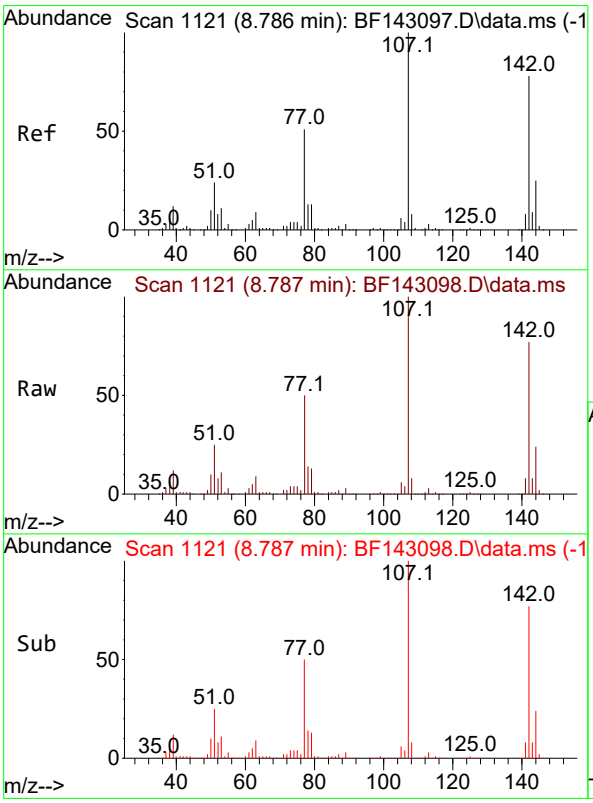
Ion	Ratio	Lower	Upper
113	100		
55	199.4	186.2	226.2
56	151.0	134.1	174.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

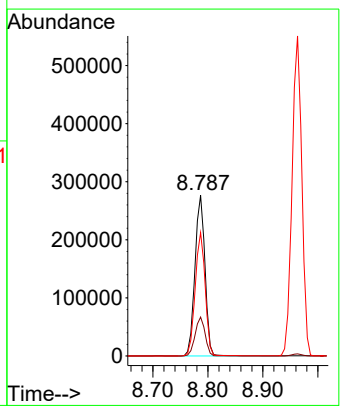
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

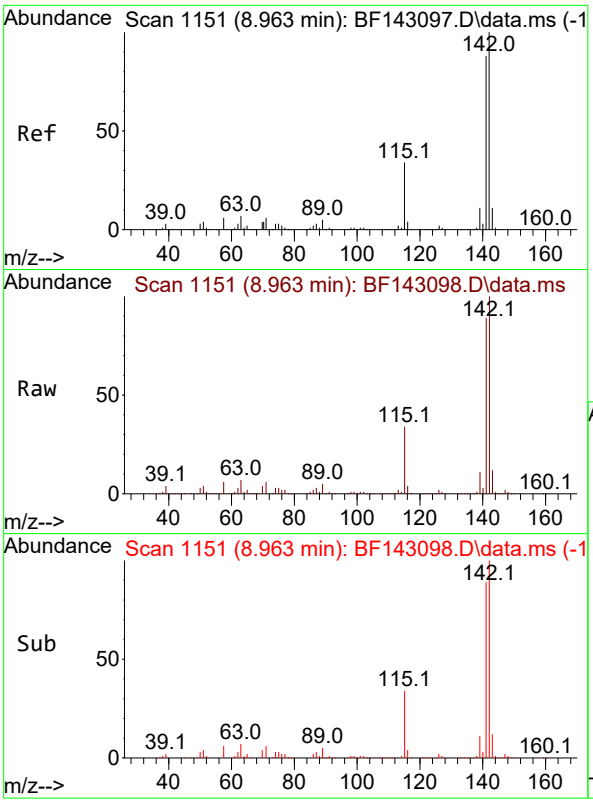


#36
4-Chloro-3-methylphenol
Concen: 52.746 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 350906

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.2	30.2
142	76.8	62.4	93.6





#37
2-Methylnaphthalene
Concen: 50.410 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

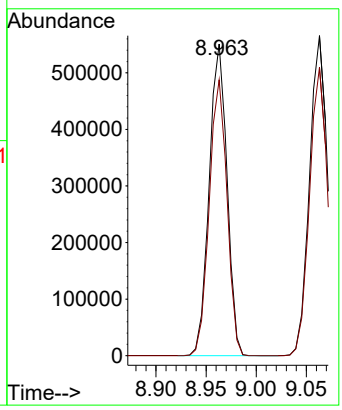
Tgt Ion:142 Resp: 68172

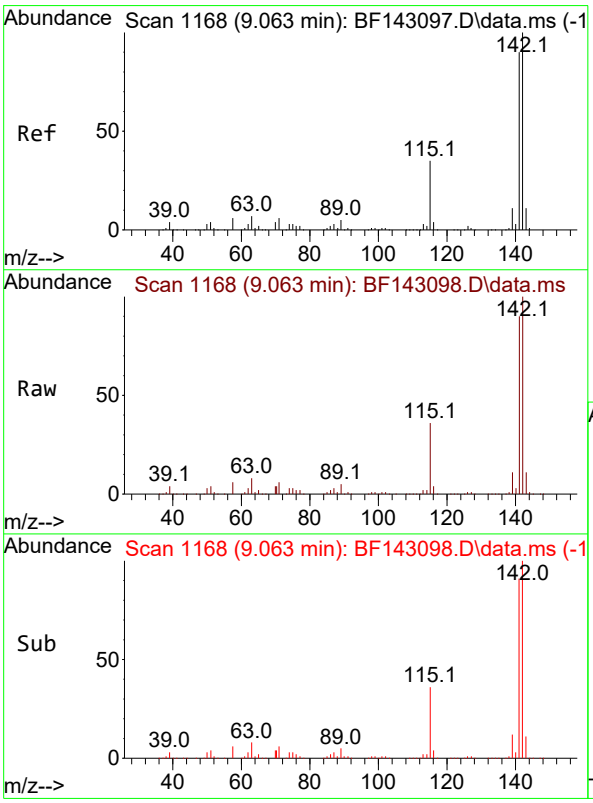
Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.2	105.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

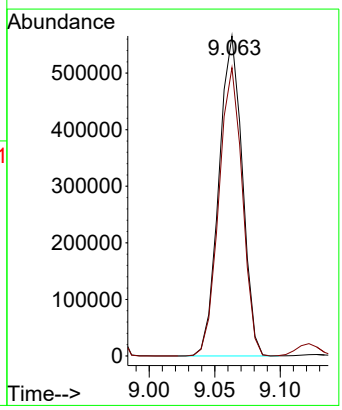


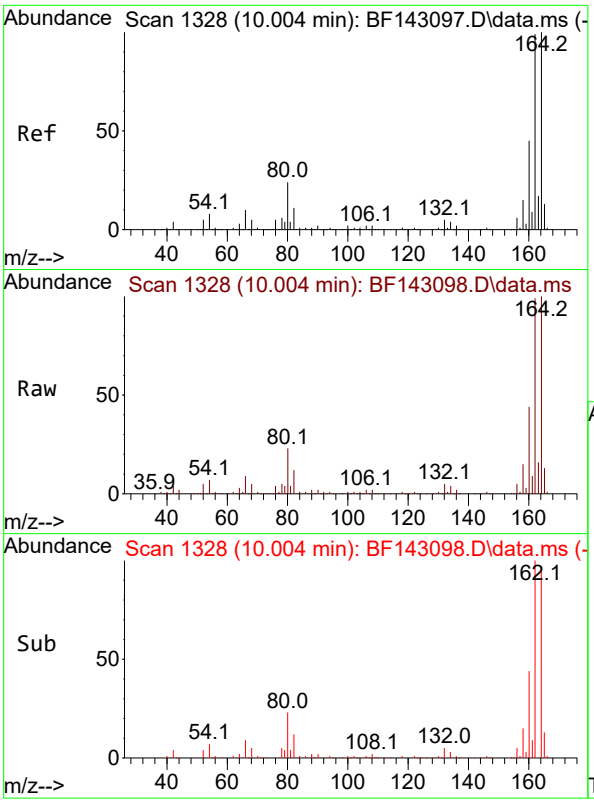


#38
1-Methylnaphthalene
Concen: 50.016 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:142 Resp: 701548

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.4

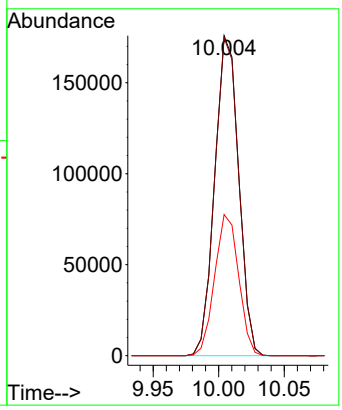




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:164 Resp: 22312

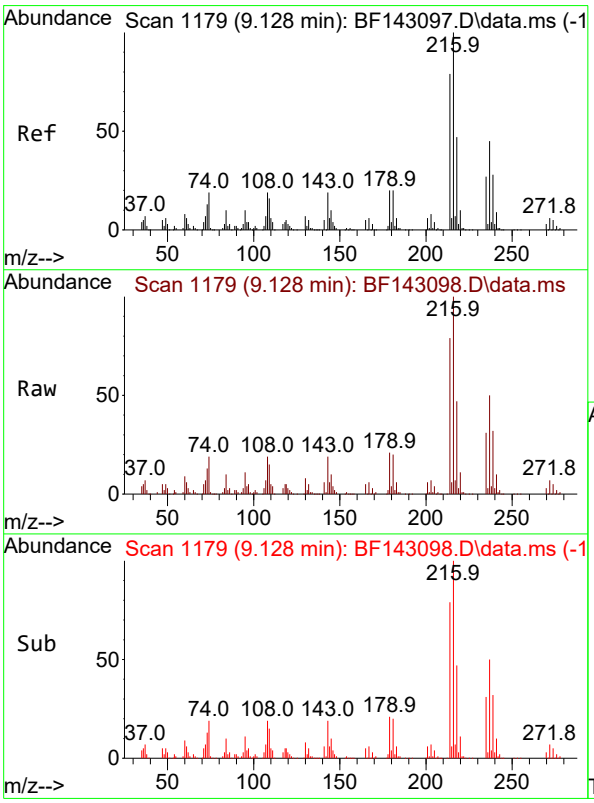
Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.0	118.6
160	44.1	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

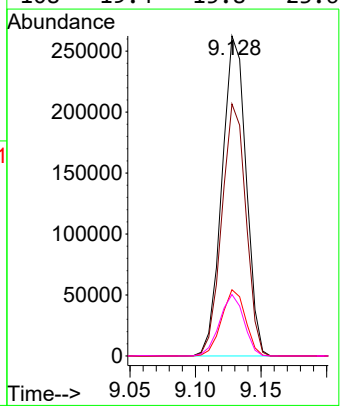
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

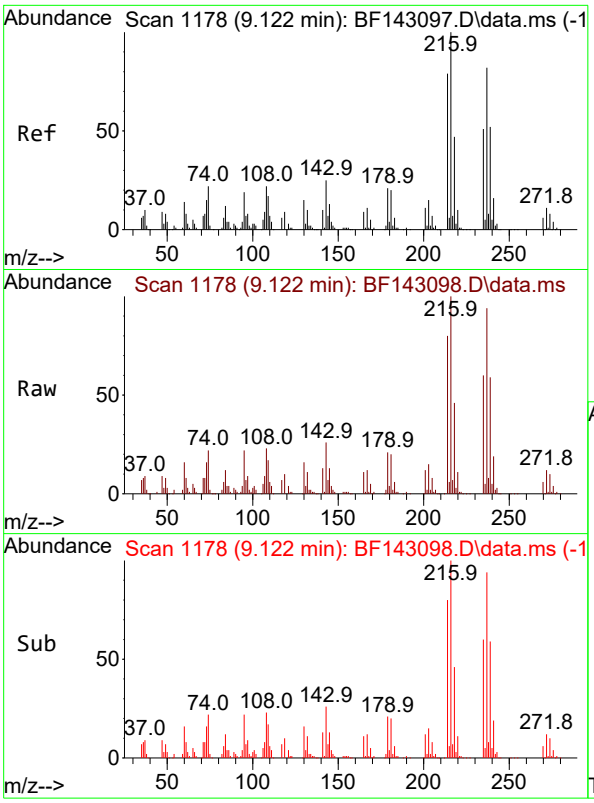


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.551 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:216 Resp: 335206

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	20.5	16.2	24.2
108	19.4	15.8	23.6





#41
Hexachlorocyclopentadiene
Concen: 55.147 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

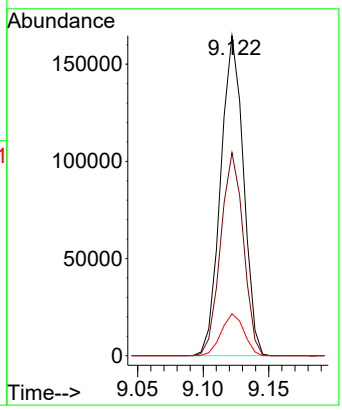
Tgt Ion:237 Resp: 19881

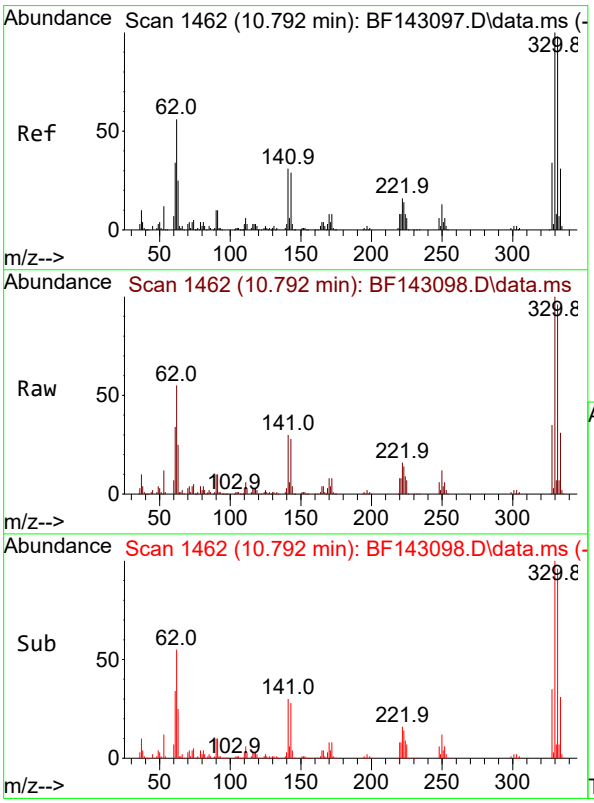
Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.6	81.6
272	13.1	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

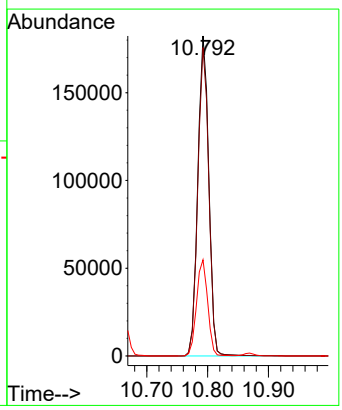


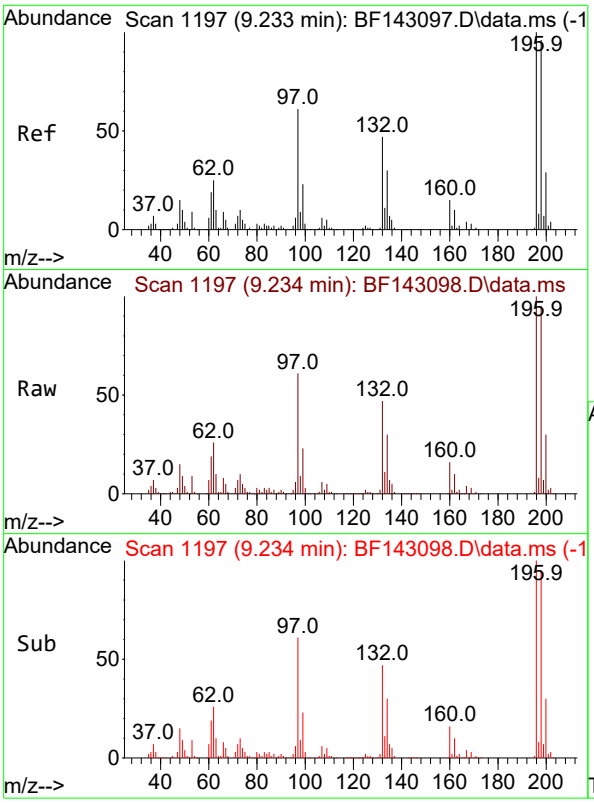


#42
2,4,6-Tribromophenol
Concen: 114.439 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:330 Resp: 227678

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.9	116.9
141	30.5	25.9	38.9

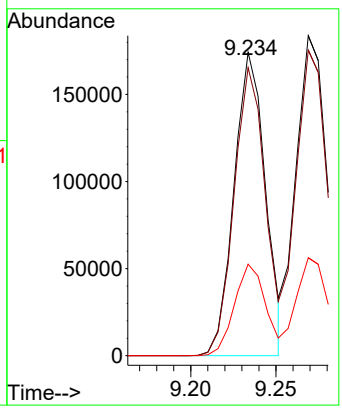




#43
2,4,6-Trichlorophenol
Concen: 55.226 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:196 Resp: 22313

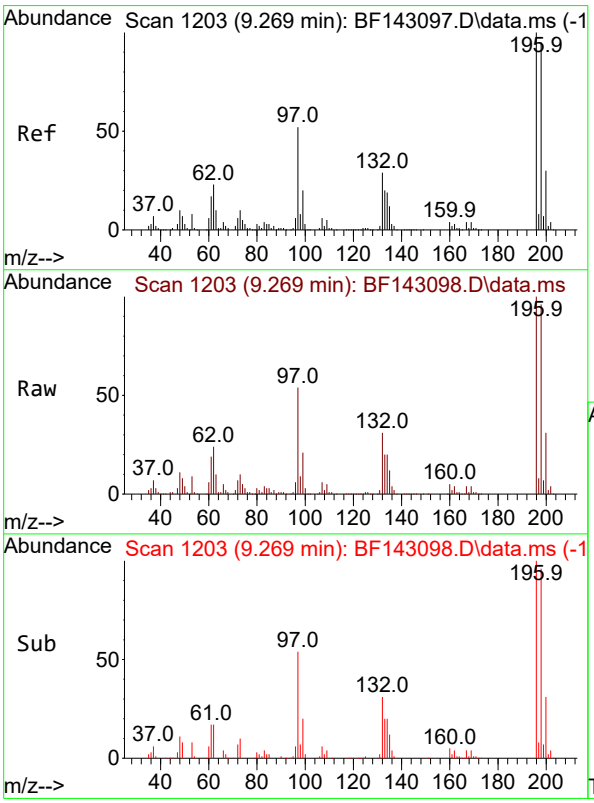
Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.9	115.3
200	30.2	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

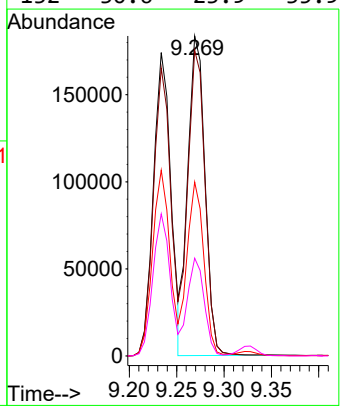
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

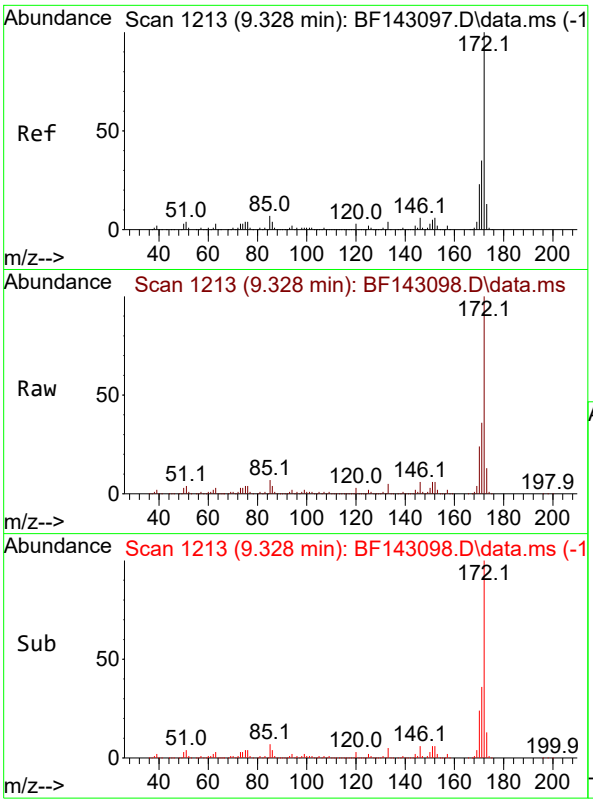


#44
2,4,5-Trichlorophenol
Concen: 54.977 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:196 Resp: 232905

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
97	54.3	42.4	63.6
132	30.6	23.9	35.9

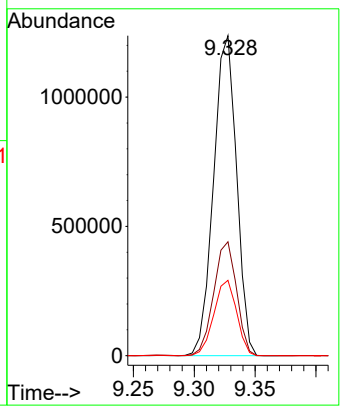




#45
2-Fluorobiphenyl
Concen: 97.028 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:172 Resp: 162865

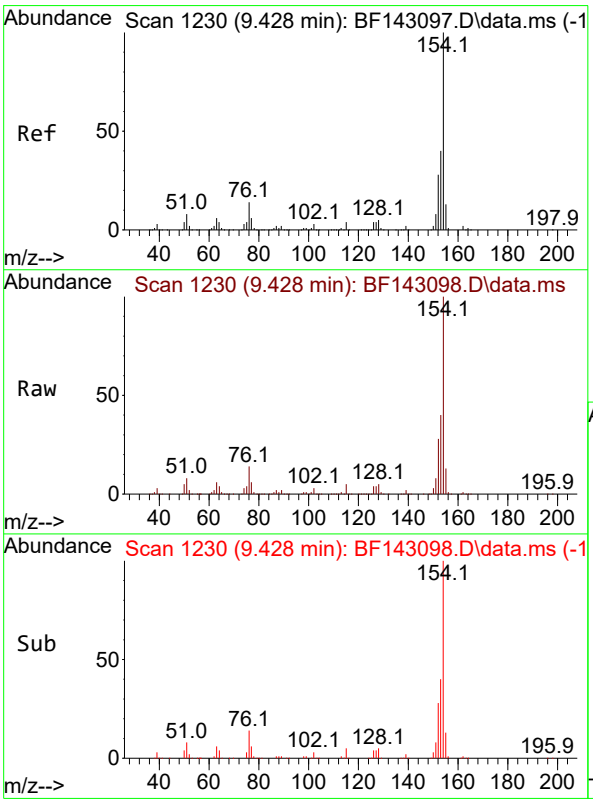
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.6	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

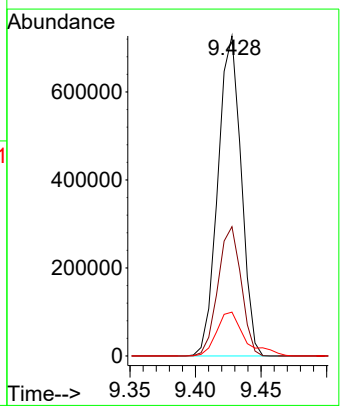
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

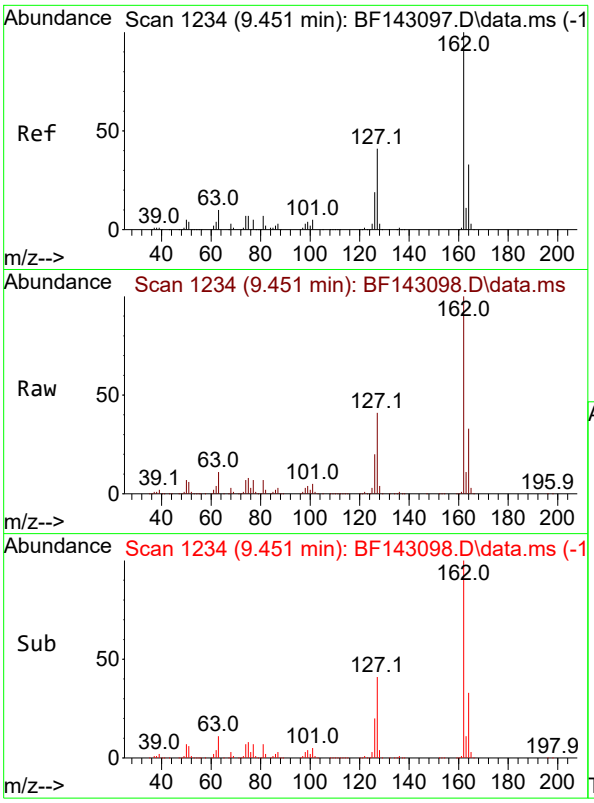


#46
1,1'-Biphenyl
Concen: 50.458 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:154 Resp: 897834

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.1	60.1
76	13.7	0.0	33.7

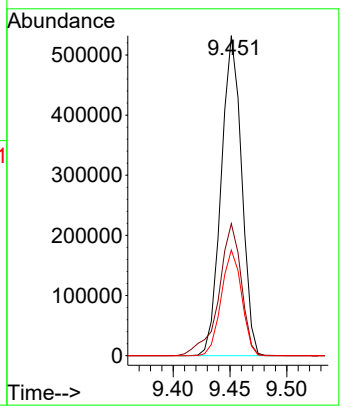




#47
2-Chloronaphthalene
Concen: 51.007 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:162 Resp: 66676

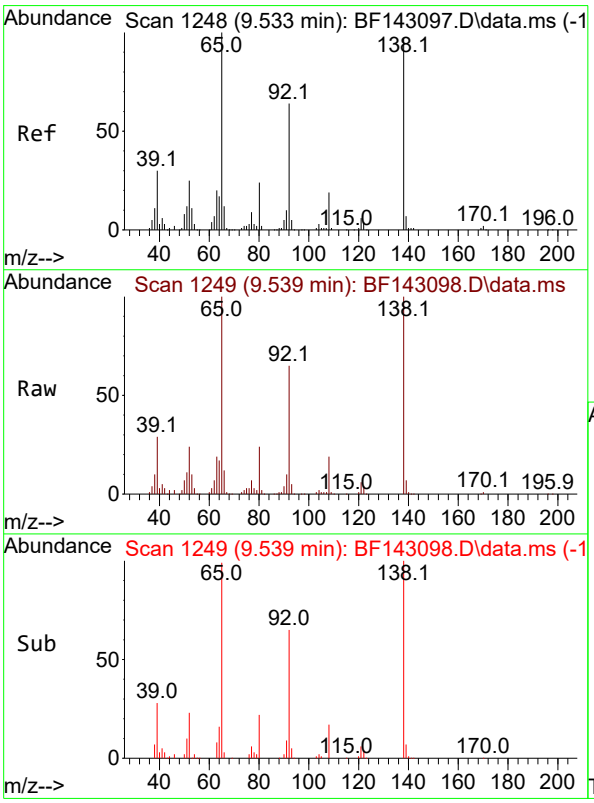
Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.0	49.6
164	33.0	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

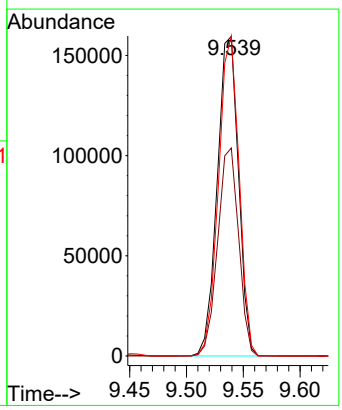
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

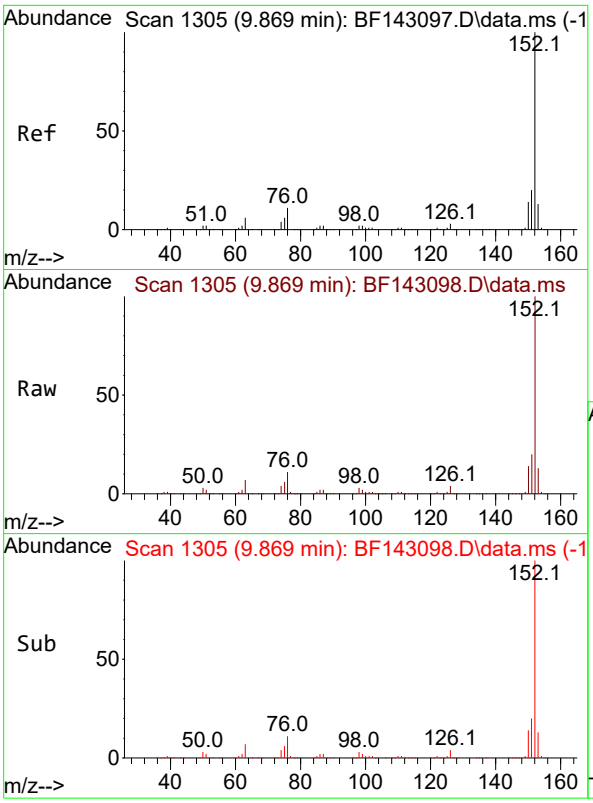


#48
2-Nitroaniline
Concen: 52.775 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 65 Resp: 207291

Ion	Ratio	Lower	Upper
65	100		
92	65.1	51.3	76.9
138	100.2	77.8	116.6

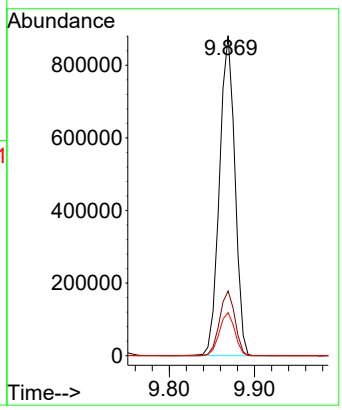




#49
Acenaphthylene
Concen: 50.940 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:152 Resp: 110958

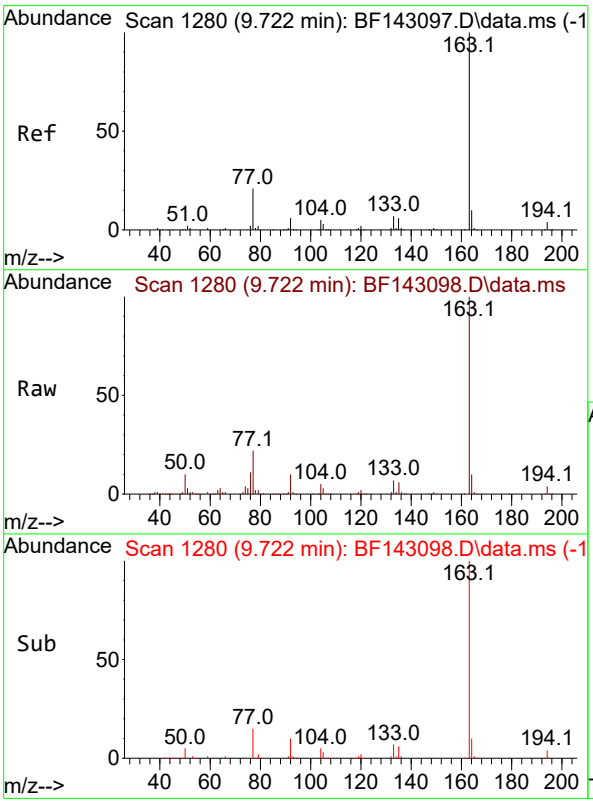
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.4	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

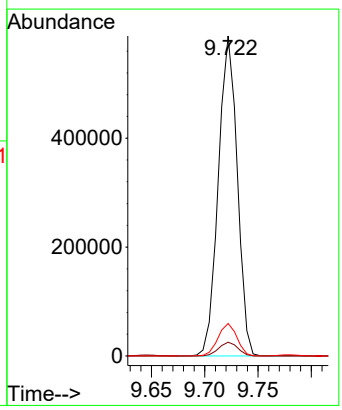
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

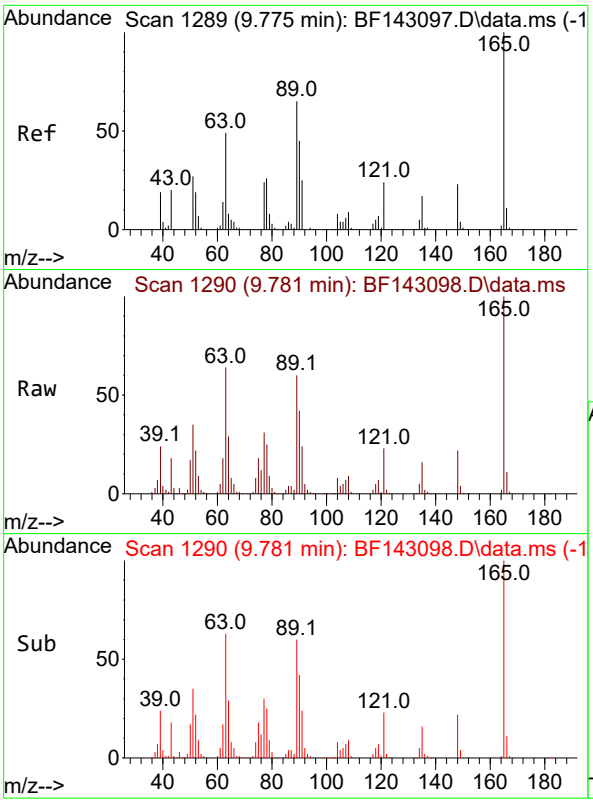


#50
Dimethylphthalate
Concen: 51.728 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:163 Resp: 726121

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.1	8.2	12.2

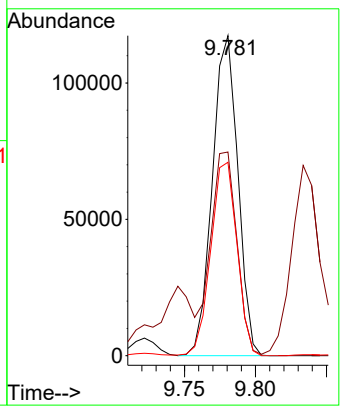




#51
2,6-Dinitrotoluene
Concen: 52.497 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:165 Resp: 14638

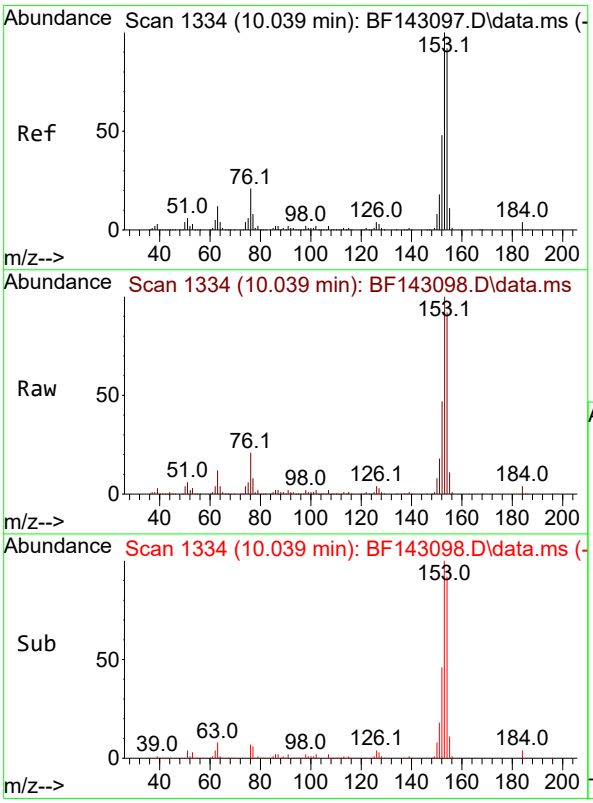
Ion	Ratio	Lower	Upper
165	100		
63	63.7	57.4	86.0
89	60.4	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

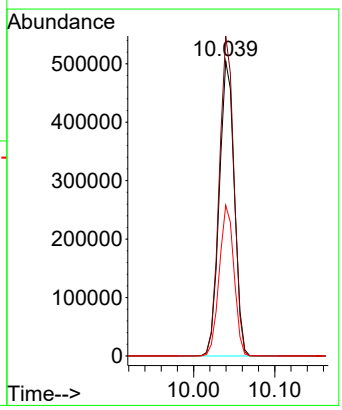
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

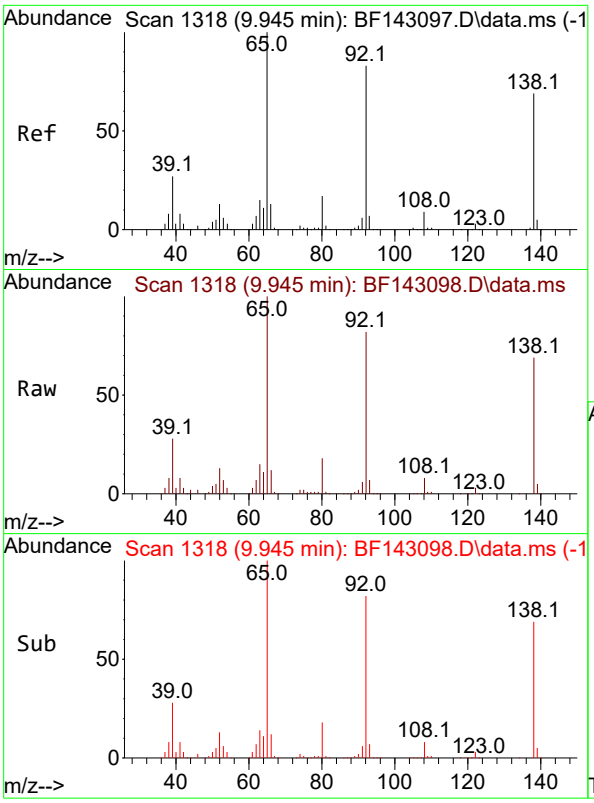


#52
Acenaphthene
Concen: 50.669 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:154 Resp: 651291

Ion	Ratio	Lower	Upper
154	100		
153	108.6	86.7	130.1
152	51.1	41.4	62.2





#53
3-Nitroaniline
Concen: 58.553 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

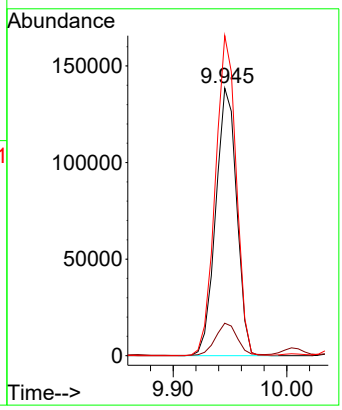
Tgt Ion:138 Resp: 17760

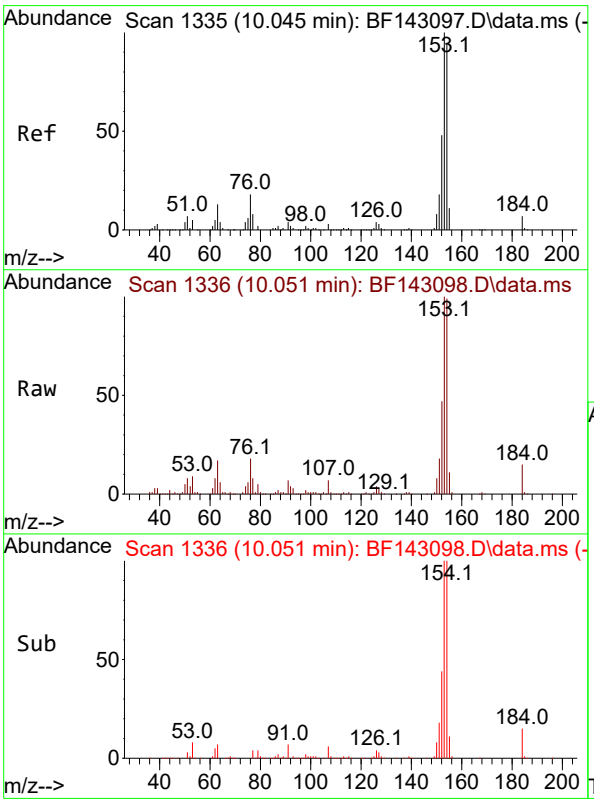
Ion	Ratio	Lower	Upper
138	100		
108	12.1	10.1	15.1
92	119.6	96.4	144.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

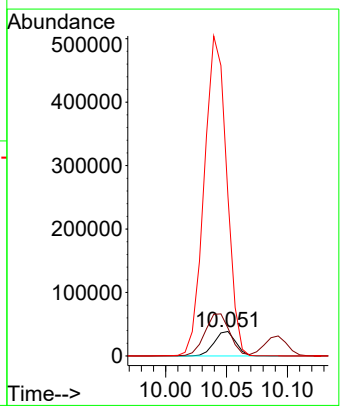


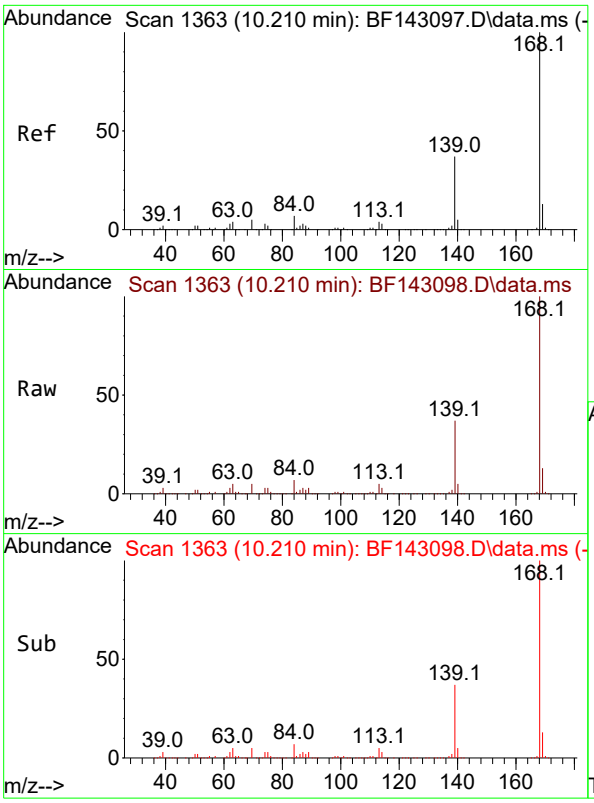


#54
2,4-Dinitrophenol
Concen: 51.931 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:184 Resp: 47800

Ion	Ratio	Lower	Upper
184	100		
63	113.4	149.3	223.9#
154	651.1	1048.0	1572.0#

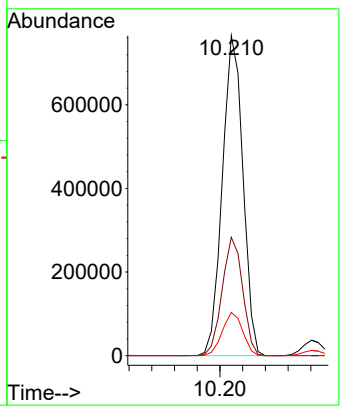




#55
Dibenzofuran
Concen: 50.344 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:168 Resp: 96454

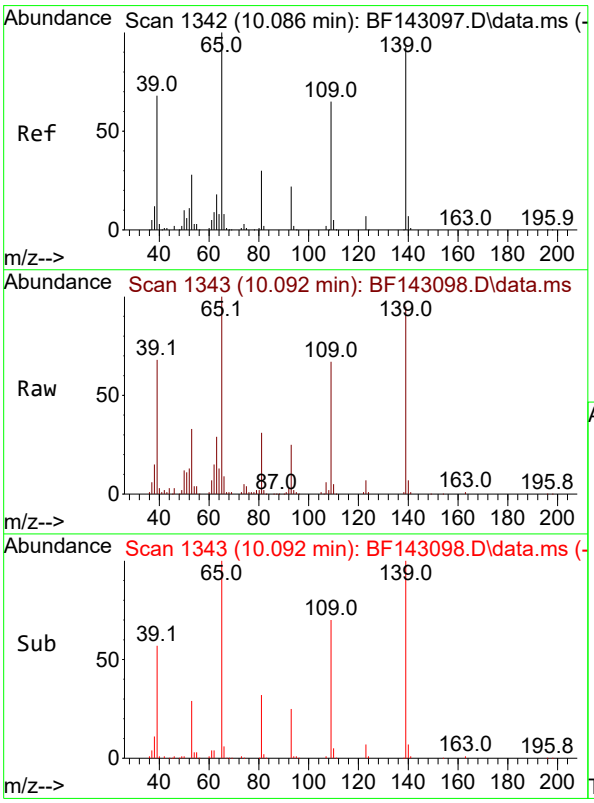
Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.8	44.6
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

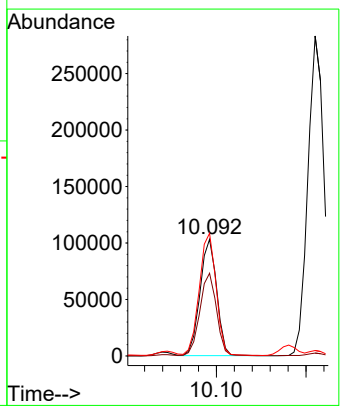
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

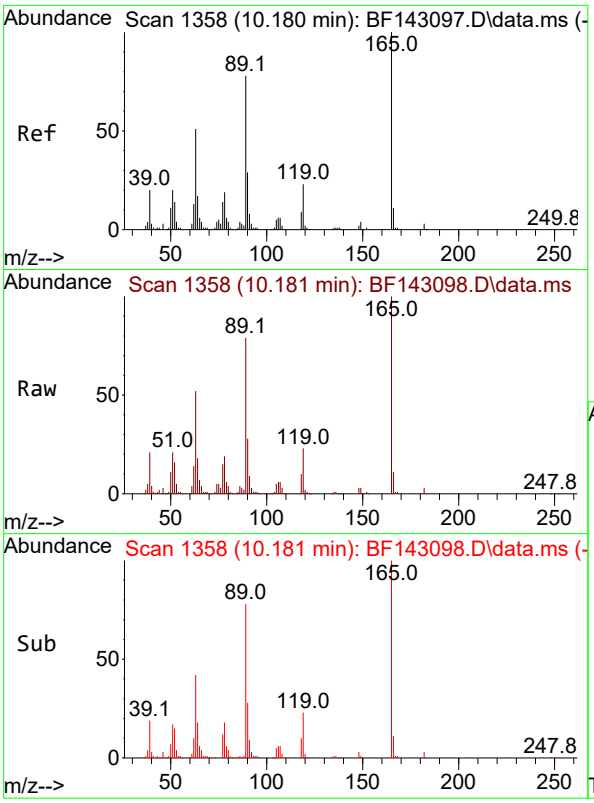


#56
4-Nitrophenol
Concen: 55.203 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 133073

Ion	Ratio	Lower	Upper
139	100		
109	70.9	49.4	89.4
65	105.2	88.2	128.2

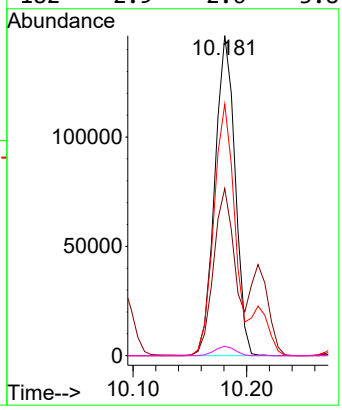




#57
2,4-Dinitrotoluene
Concen: 52.116 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:165 Resp: 18161

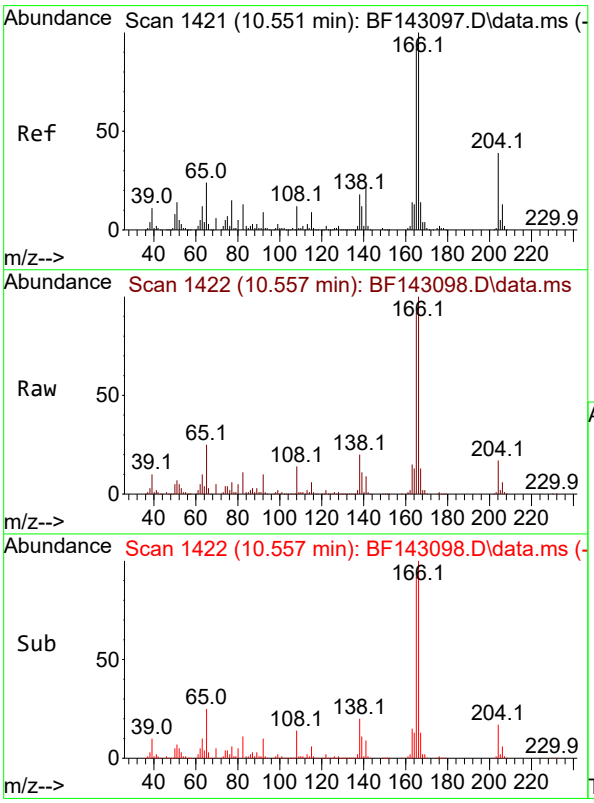
Ion	Ratio	Lower	Upper
165	100		
63	52.2	40.6	61.0
89	78.6	62.3	93.5
182	2.9	2.6	3.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

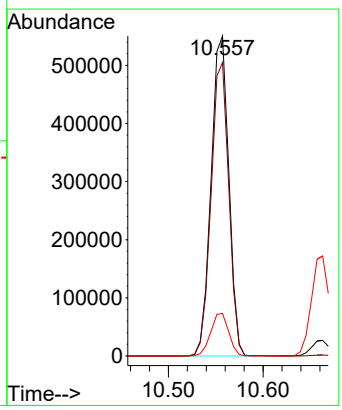
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

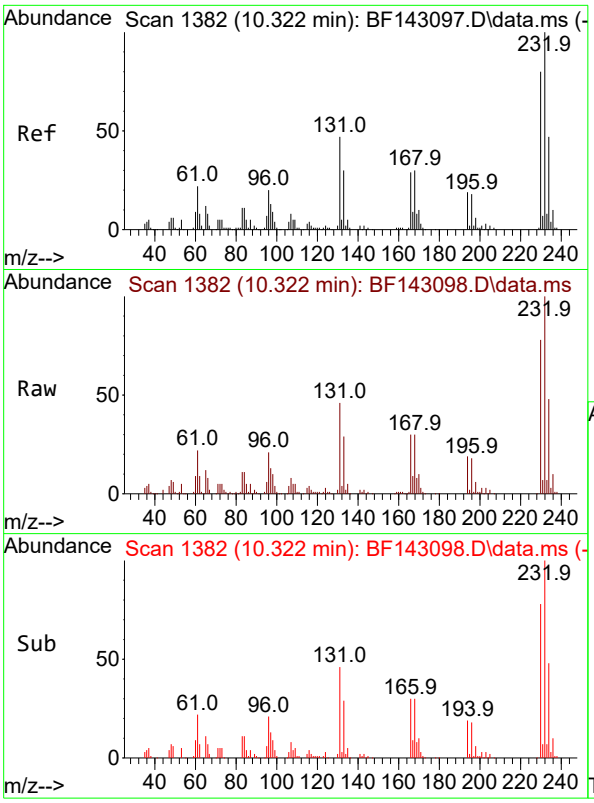


#58
Fluorene
Concen: 49.859 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:166 Resp: 716173

Ion	Ratio	Lower	Upper
166	100		
165	91.7	73.7	110.5
167	13.3	10.9	16.3

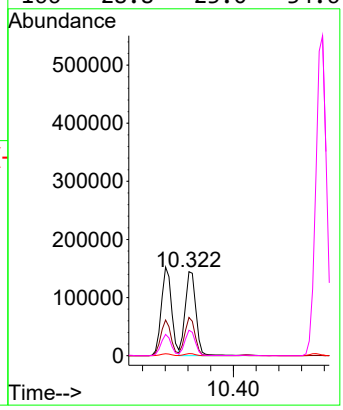




#59
2,3,4,6-Tetrachlorophenol
Concen: 56.202 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:232 Resp: 18921

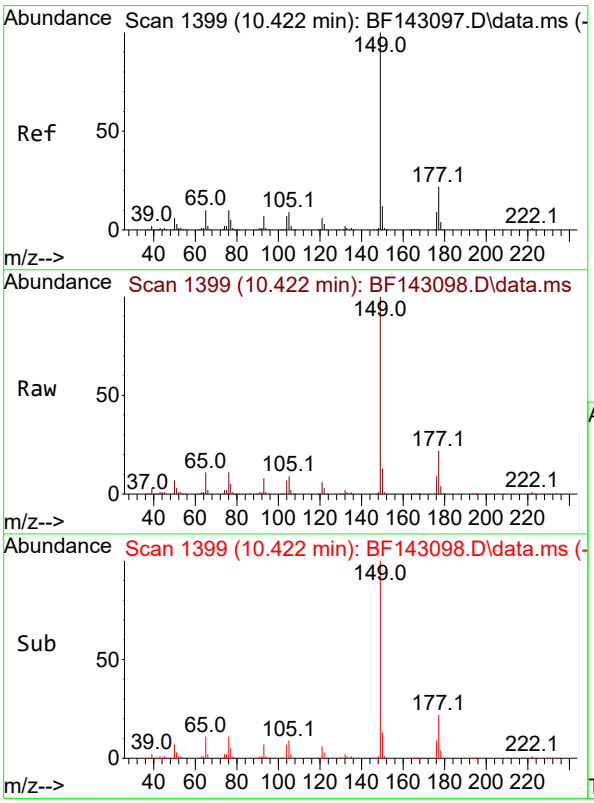
Ion	Ratio	Lower	Upper
232	100		
131	43.8	36.9	55.3
130	2.3	1.8	2.8
166	28.8	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

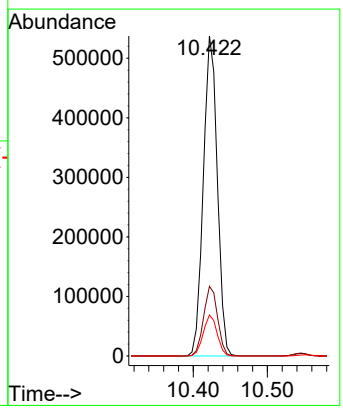
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

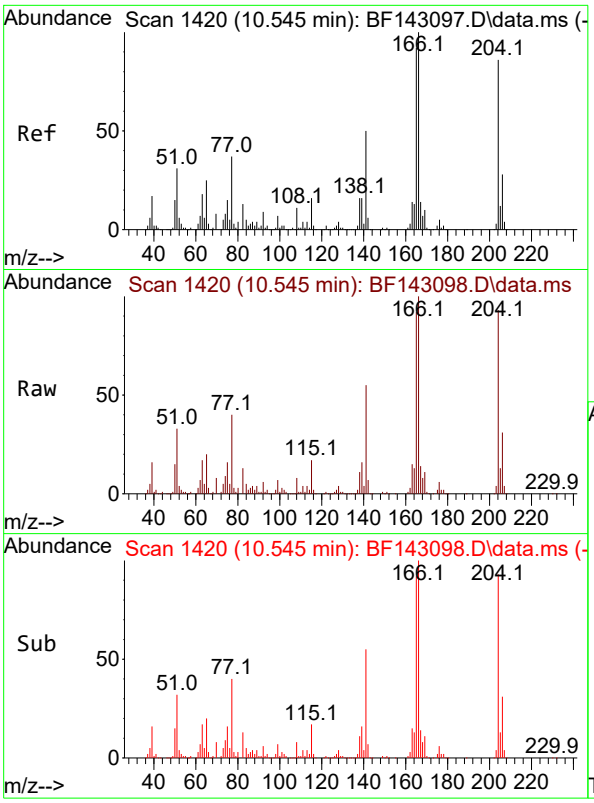


#60
Diethylphthalate
Concen: 51.909 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 702995

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.8	9.9	14.9

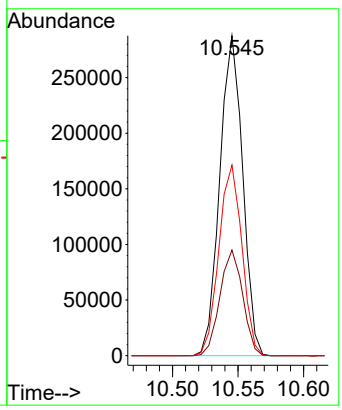




#61
4-Chlorophenyl-phenylether
Concen: 50.675 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:204 Resp: 34887

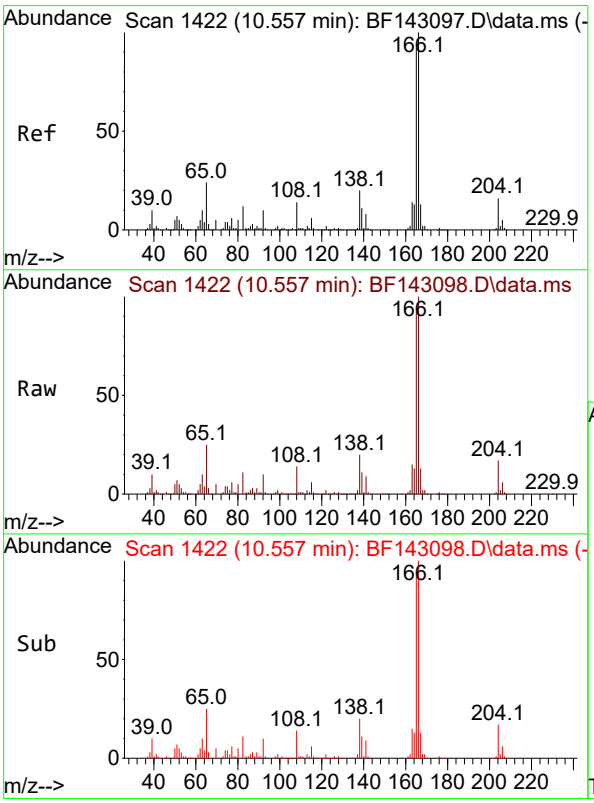
Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.6
141	59.6	46.8	70.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

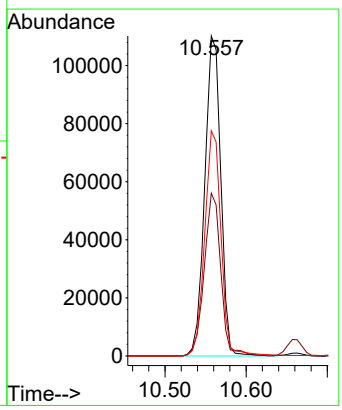
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

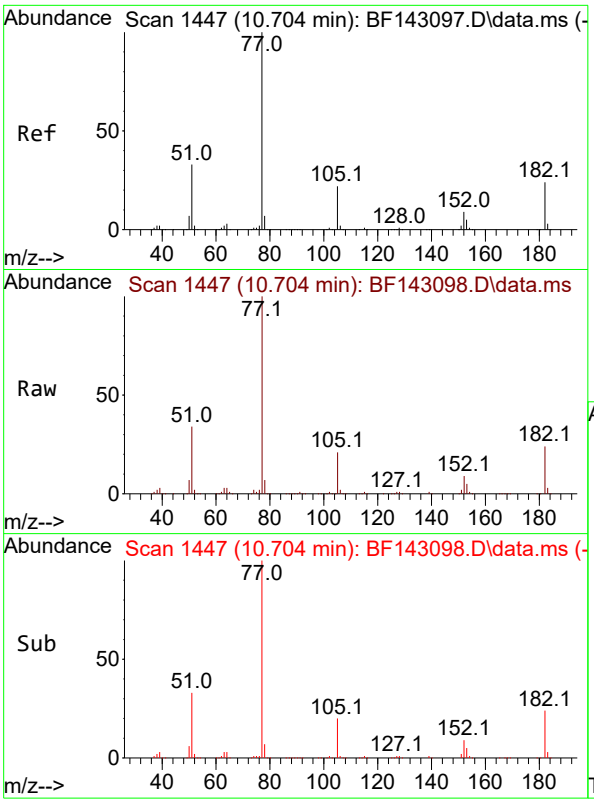


#62
4-Nitroaniline
Concen: 57.045 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:138 Resp: 150470

Ion	Ratio	Lower	Upper
138	100		
92	50.9	30.4	70.4
108	70.3	49.5	89.5

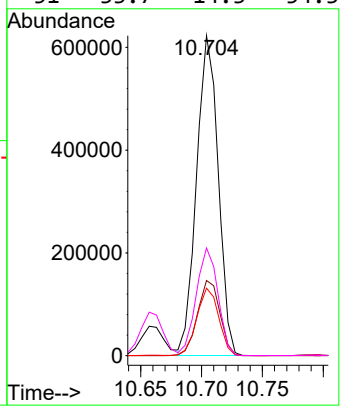




#63
Azobenzene
Concen: 51.451 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 77060

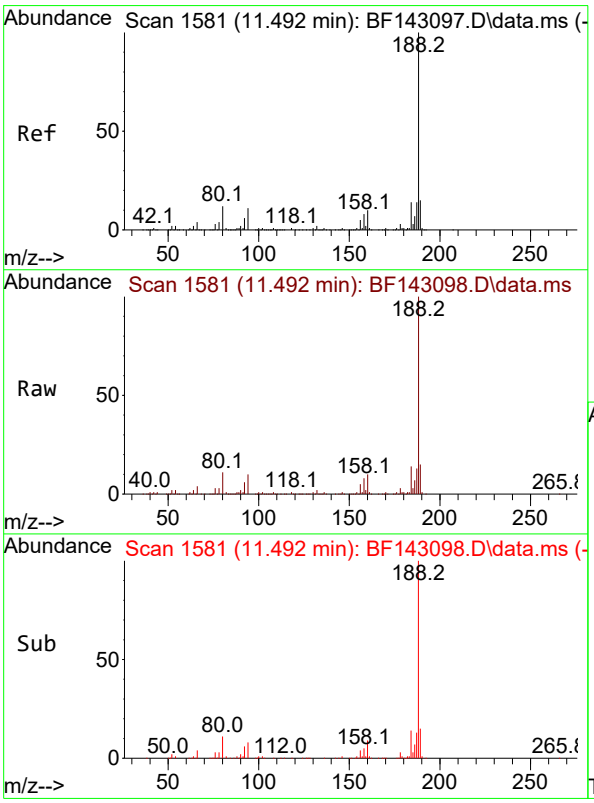
Ion	Ratio	Lower	Upper
77	100		
182	23.5	4.0	44.0
105	21.1	1.4	41.4
51	33.7	14.3	54.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

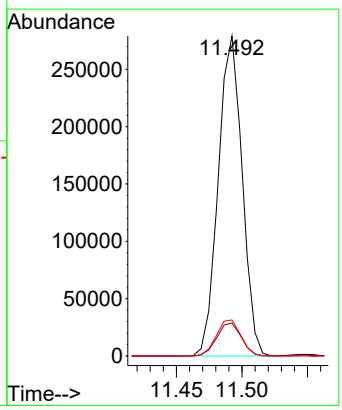
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

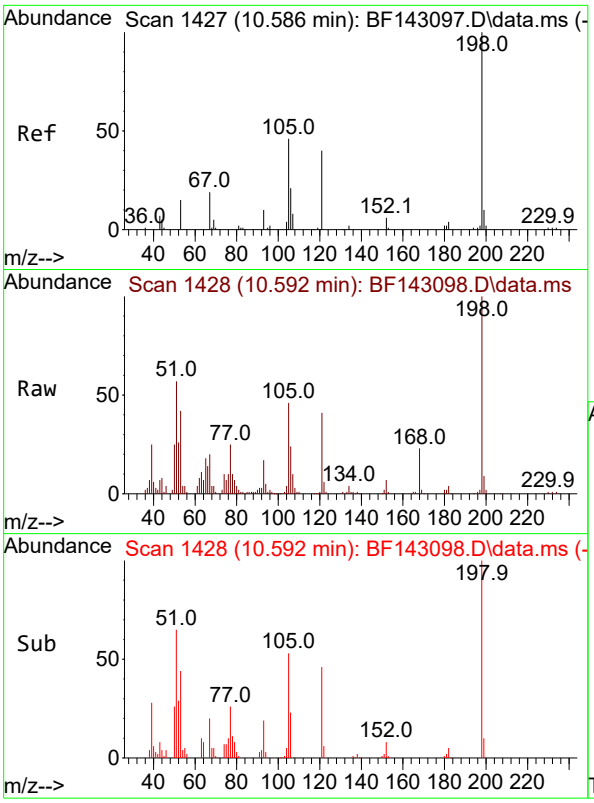


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:188 Resp: 354075

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.6	13.0
80	11.3	9.3	13.9





#65
4,6-Dinitro-2-methylphenol
Concen: 51.847 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

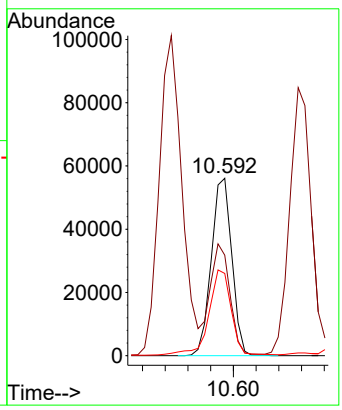
Tgt Ion:198 Resp: 7032

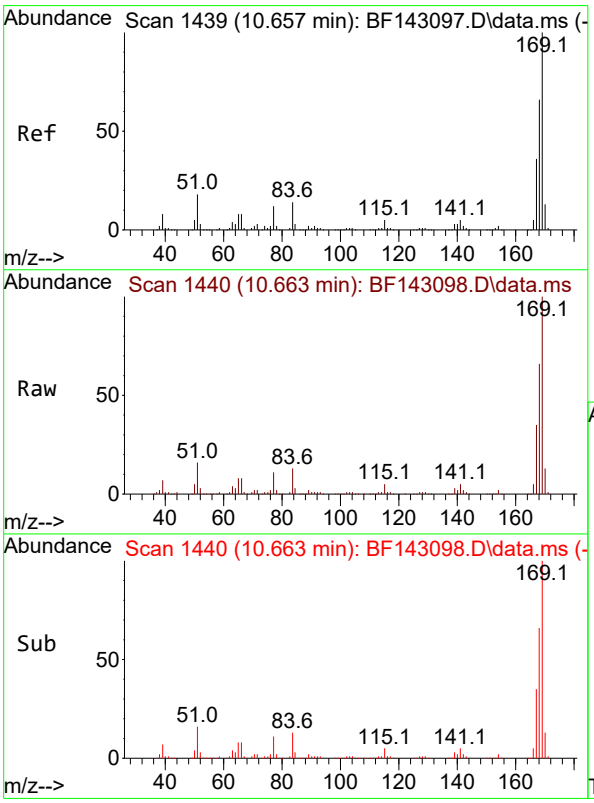
Ion	Ratio	Lower	Upper
198	100		
51	56.6	44.6	84.6
105	46.4	29.3	69.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

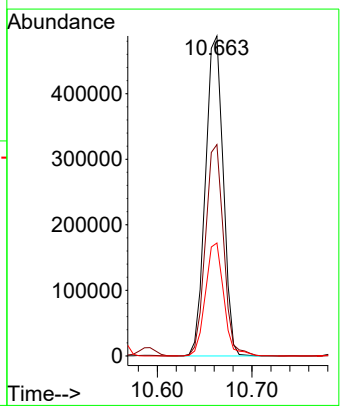


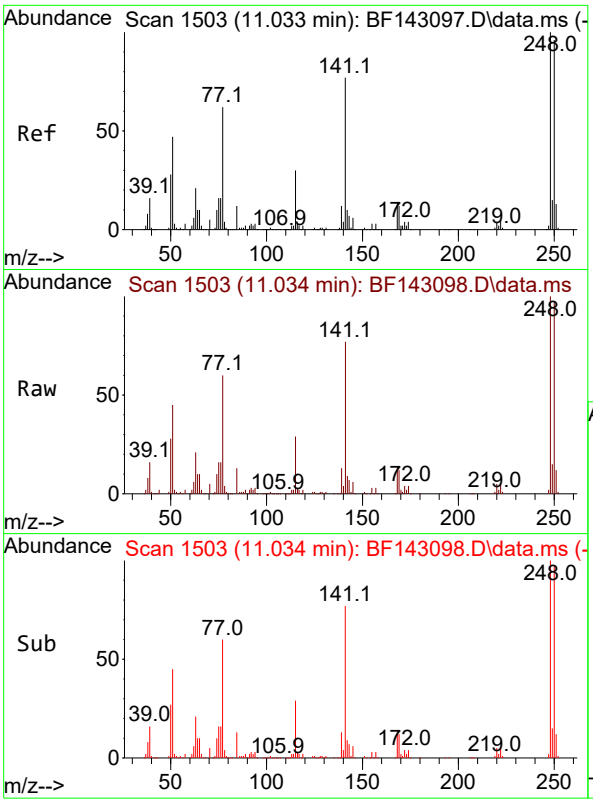


#66
n-Nitrosodiphenylamine
Concen: 51.019 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:169 Resp: 634539

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.6
167	35.3	28.4	42.6

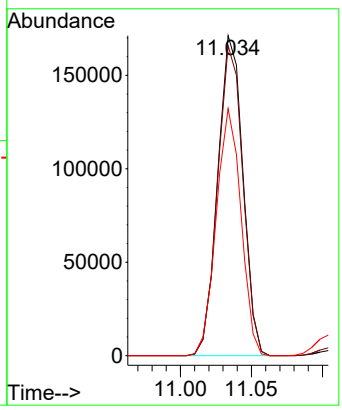




#67
4-Bromophenyl-phenylether
Concen: 52.494 ng
RT: 11.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:248 Resp: 21137

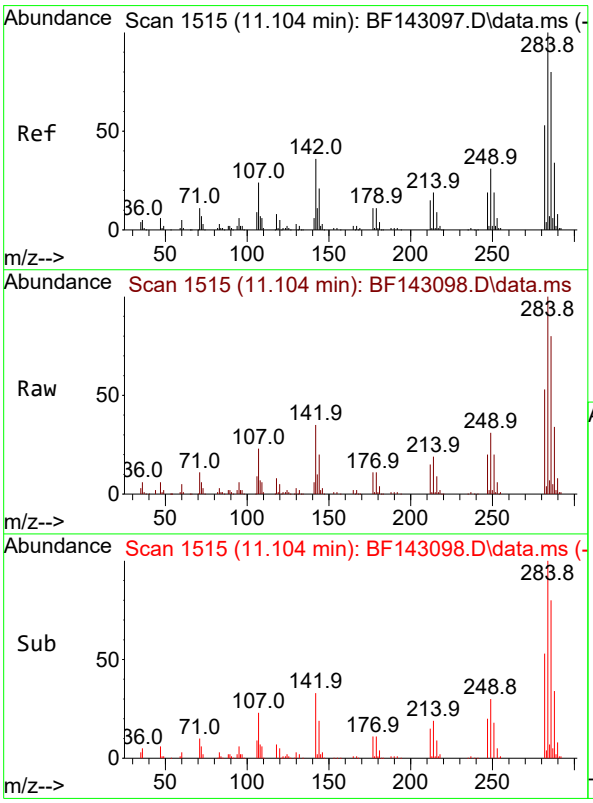
Ion	Ratio	Lower	Upper
248	100		
250	96.9	76.7	115.1
141	77.2	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

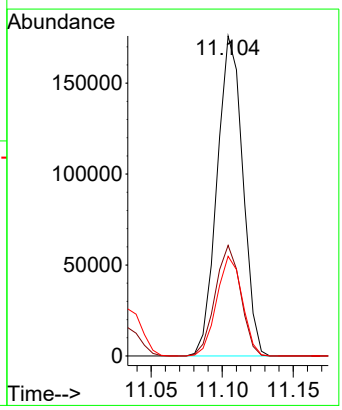
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

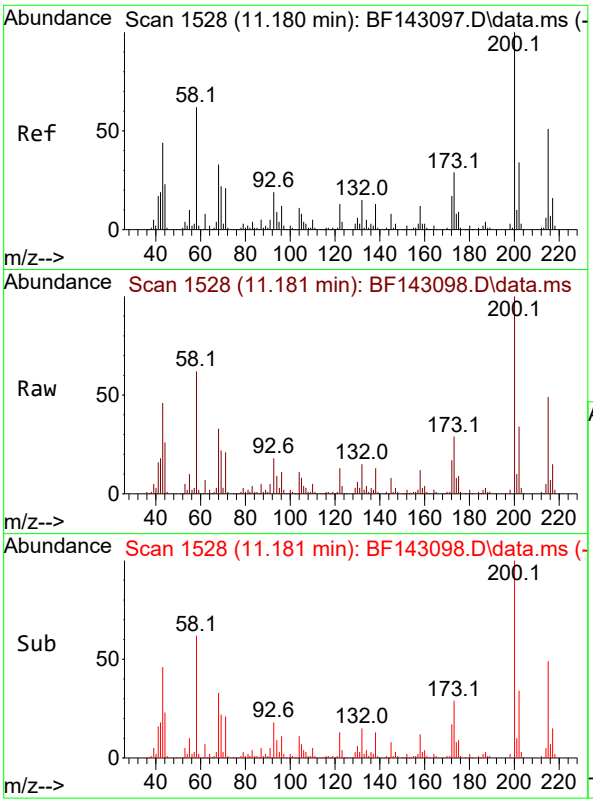


#68
Hexachlorobenzene
Concen: 51.785 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:284 Resp: 221245

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.9	43.3
249	31.1	24.6	37.0

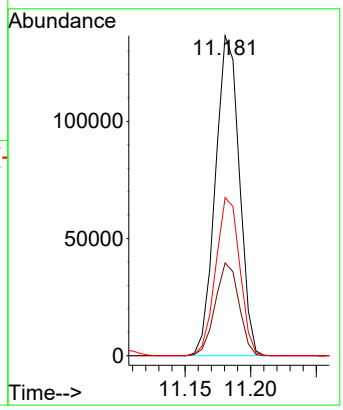




#69
Atrazine
Concen: 54.359 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:200 Resp: 17297

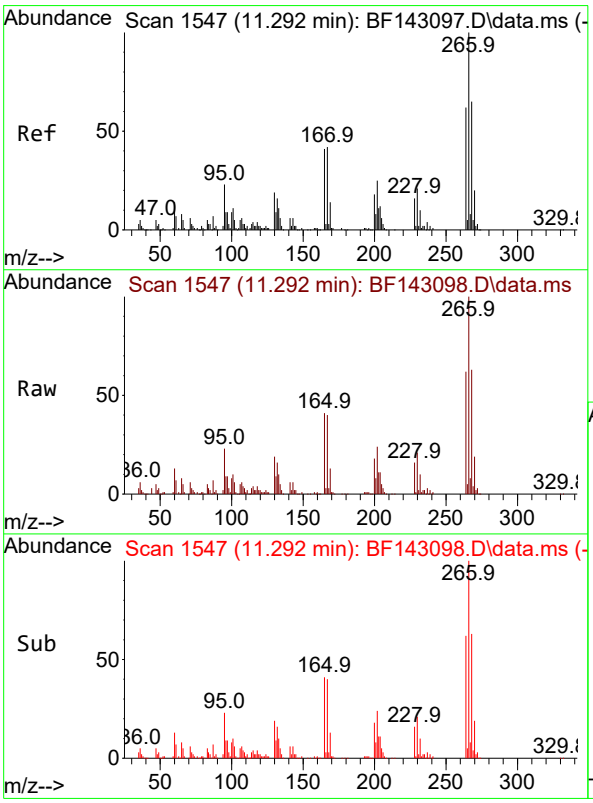
Ion	Ratio	Lower	Upper
200	100		
173	29.0	9.1	49.1
215	49.4	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

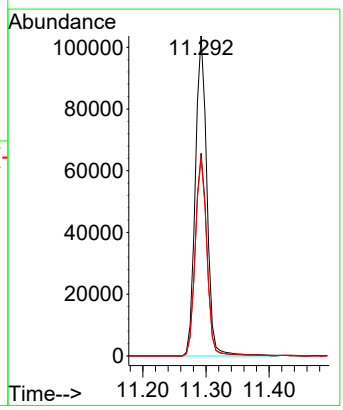
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

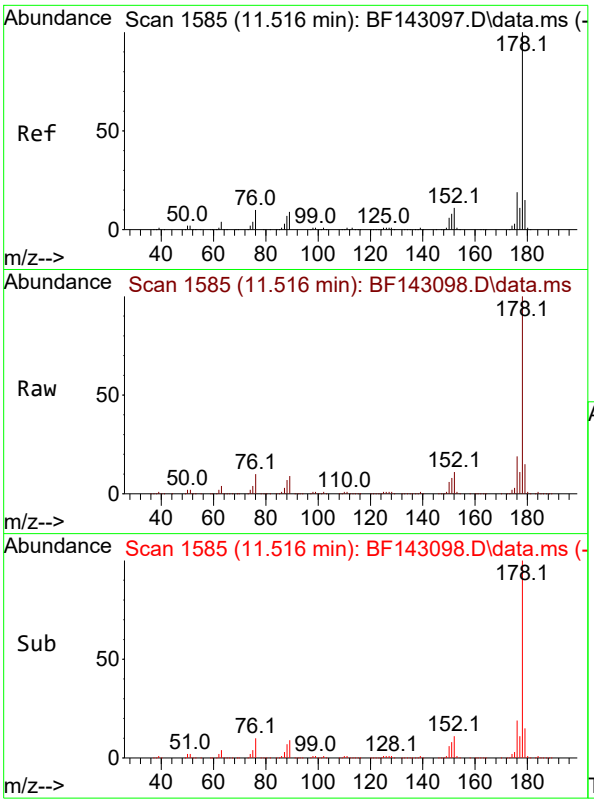


#70
Pentachlorophenol
Concen: 56.120 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:266 Resp: 131545

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.8	77.6
264	61.7	49.7	74.5

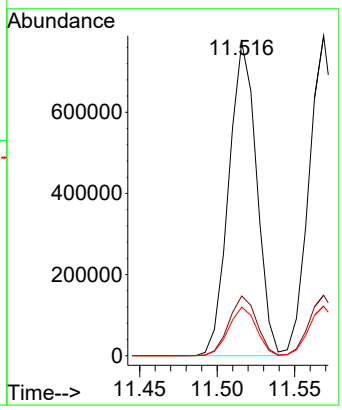




#71
Phenanthrene
Concen: 50.425 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:178 Resp: 96356

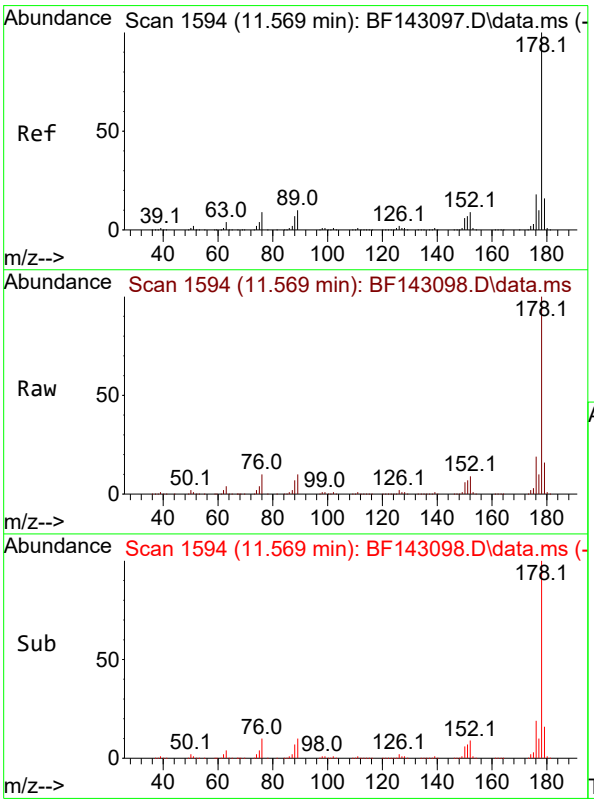
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.5	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

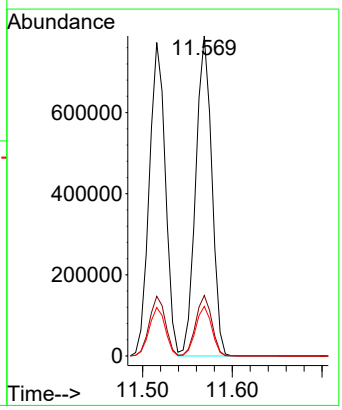
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

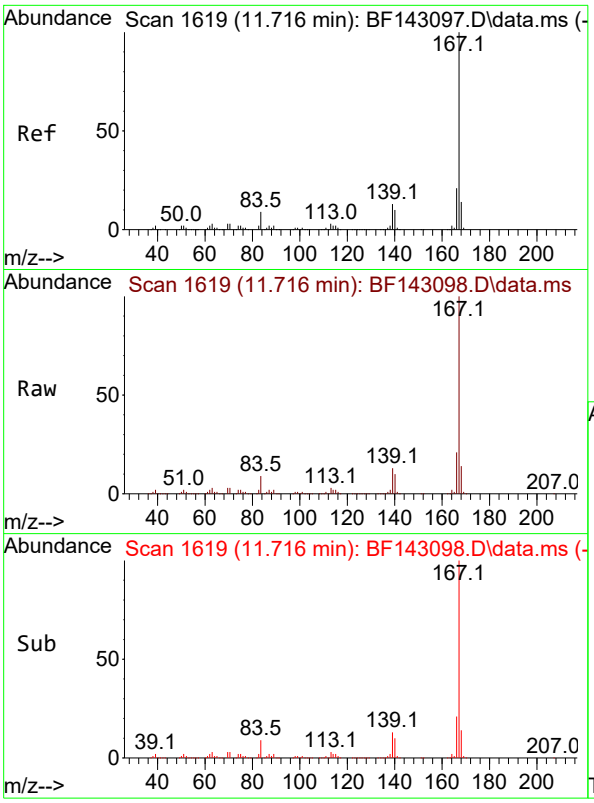


#72
Anthracene
Concen: 50.953 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:178 Resp: 979118

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.5	12.4	18.6

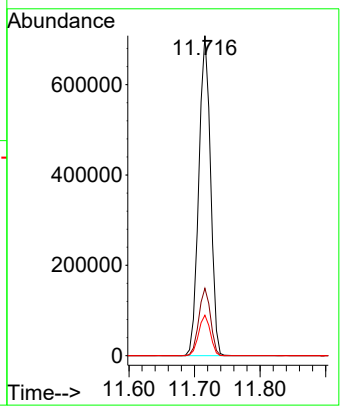




#73
Carbazole
Concen: 51.340 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:167 Resp: 88382

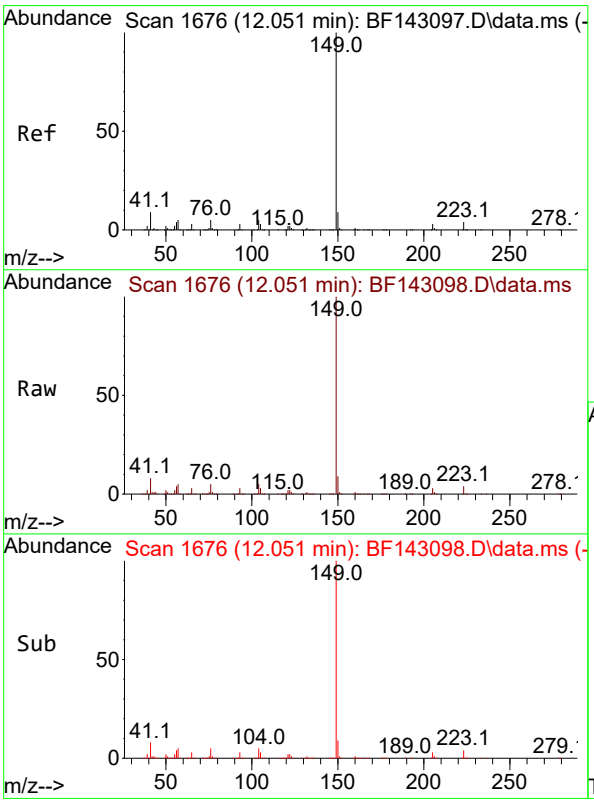
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.7	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

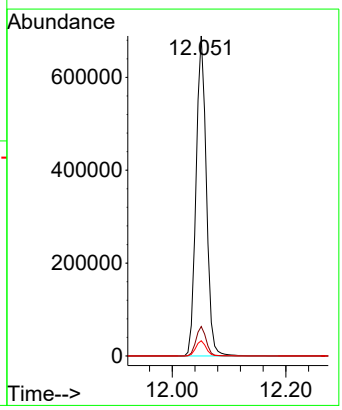
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

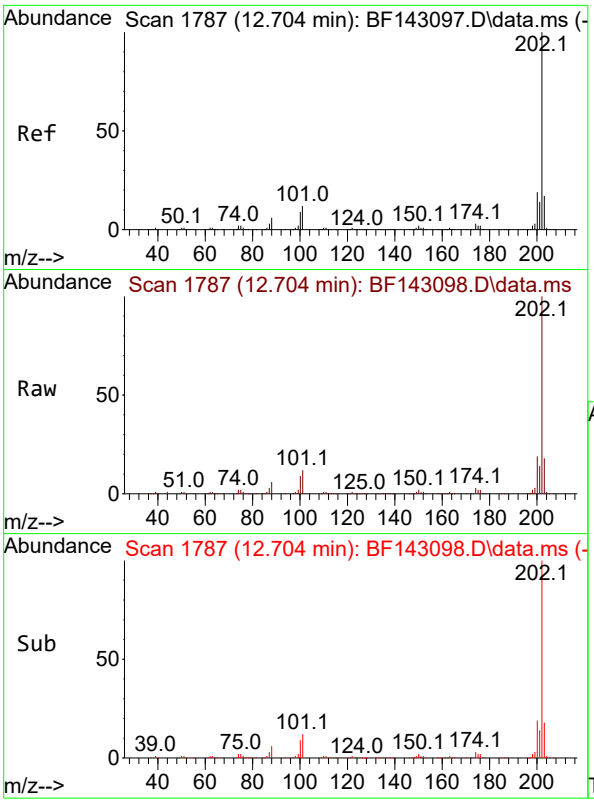


#74
Di-n-butylphthalate
Concen: 55.079 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 870362

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.8	3.8	5.8





#75
Fluoranthene
Concen: 50.852 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

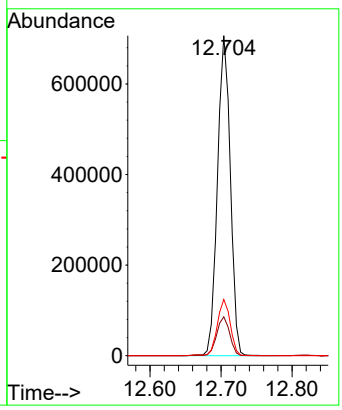
Tgt Ion:202 Resp: 88355

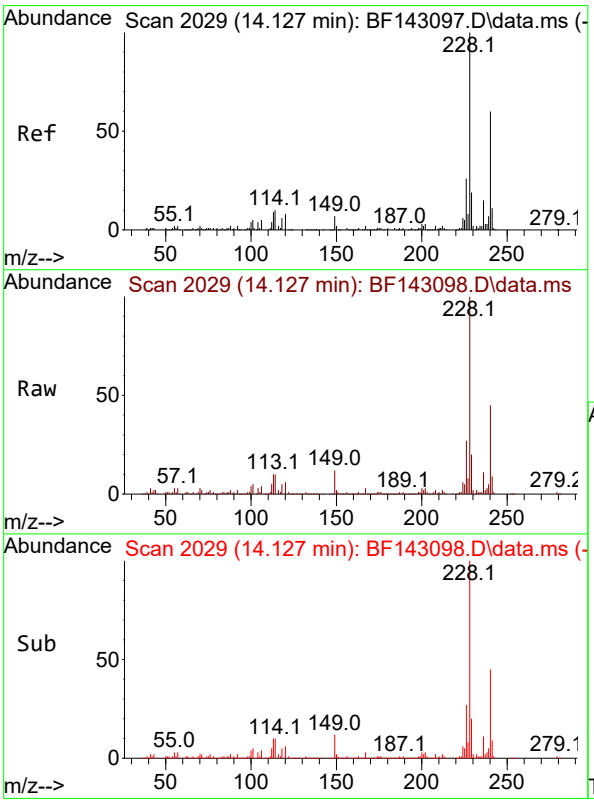
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.4
203	17.5	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

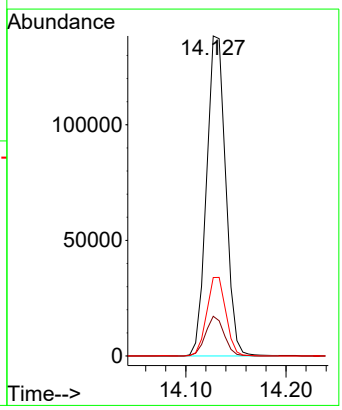


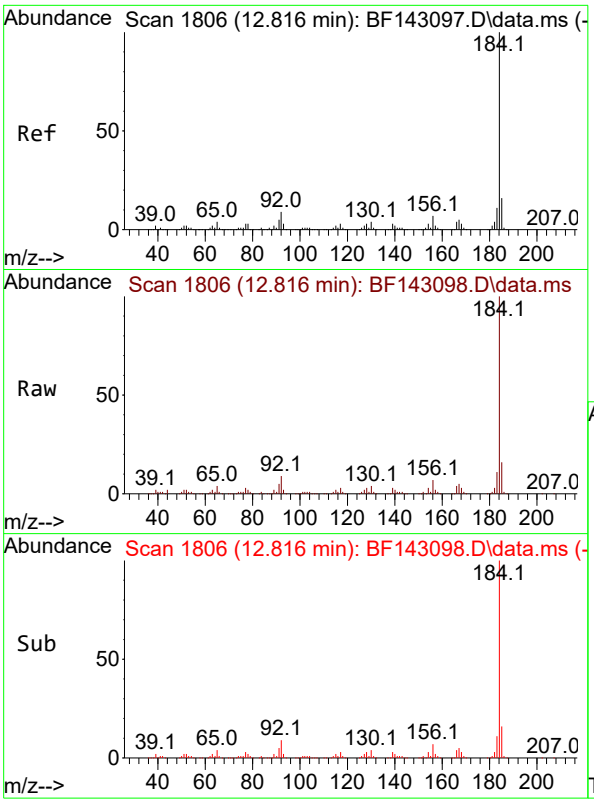


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:240 Resp: 183692

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	24.5	20.0	30.0

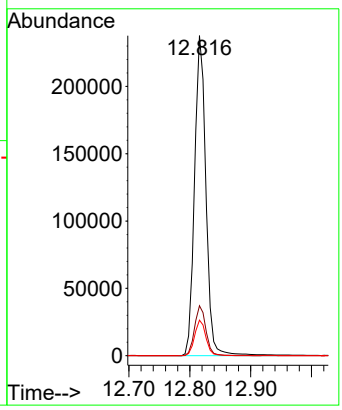




#77
Benzidine
Concen: 49.425 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:184 Resp: 30931

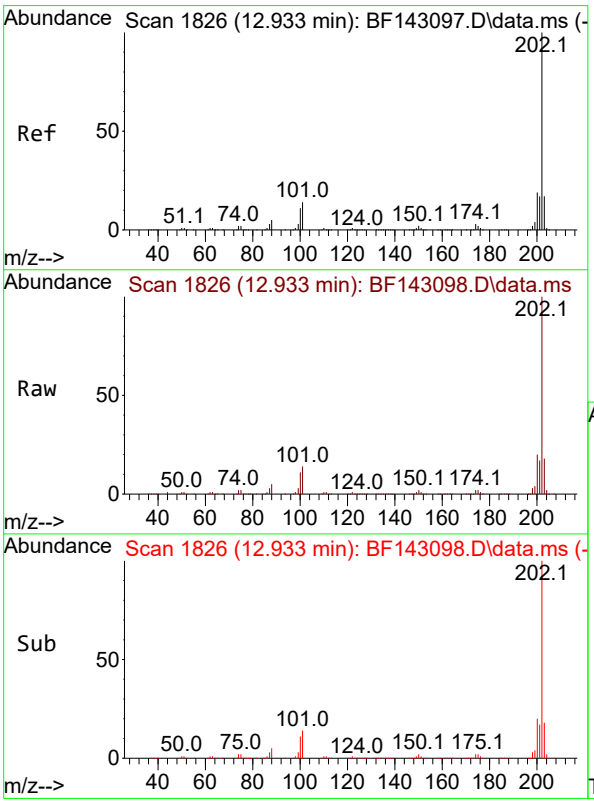
Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.4	18.6
183	11.1	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

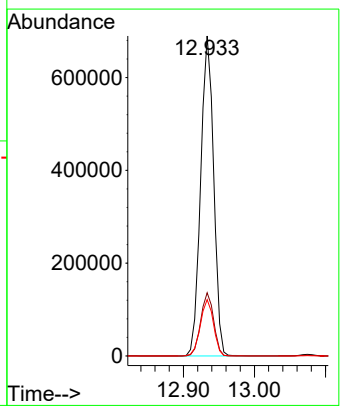
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

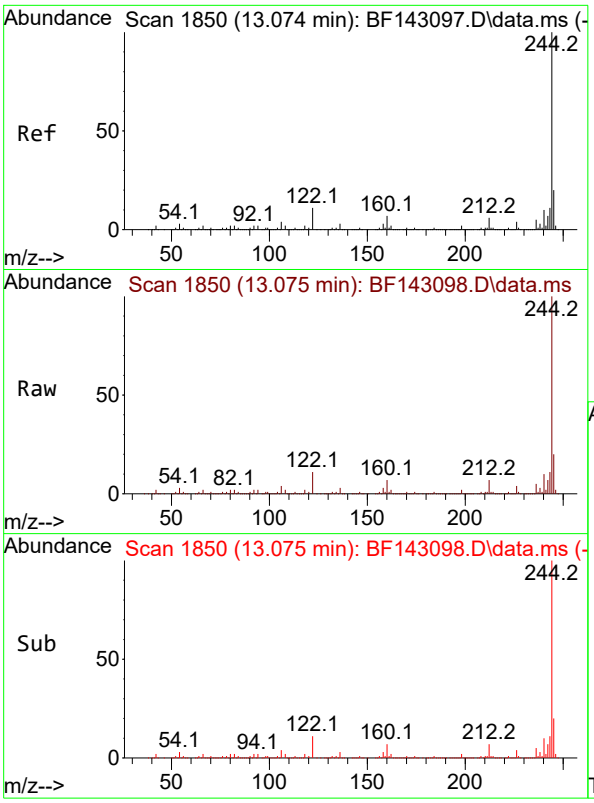


#78
Pyrene
Concen: 51.681 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:202 Resp: 880826

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.5	23.3
203	17.6	14.0	21.0

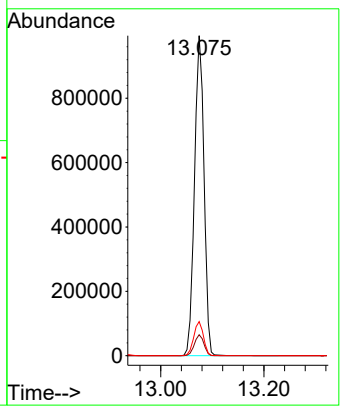




#79
Terphenyl-d14
Concen: 101.195 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:244 Resp: 127162

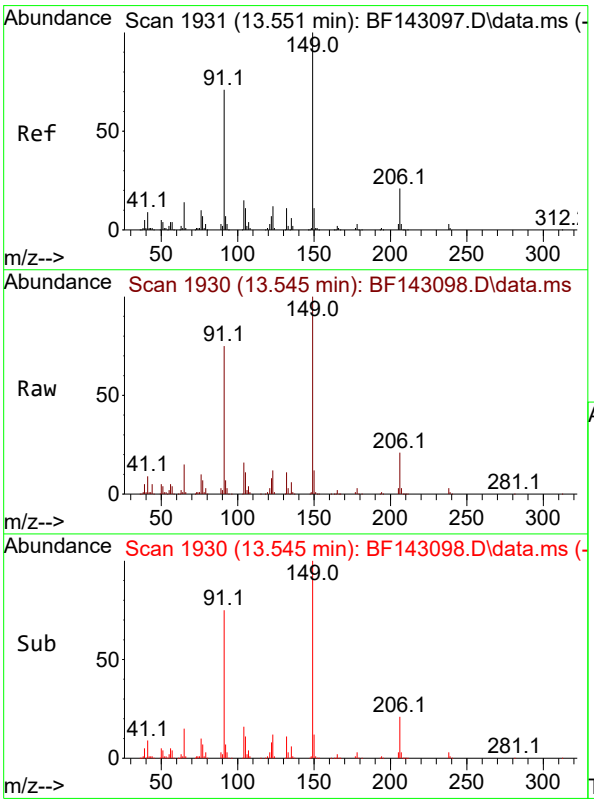
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

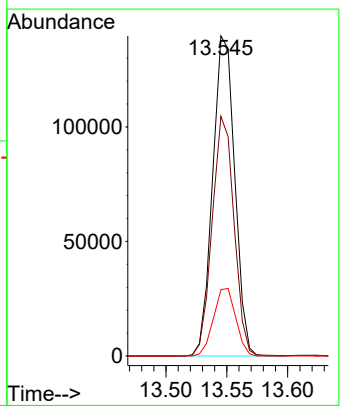
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

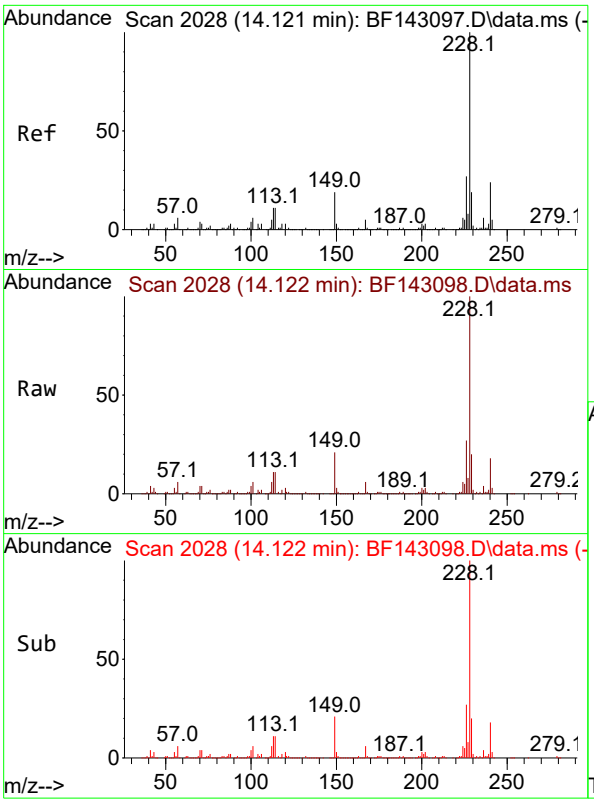


#80
Butylbenzylphthalate
Concen: 51.324 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 176615

Ion	Ratio	Lower	Upper
149	100		
91	74.8	57.0	85.4
206	20.7	17.2	25.8

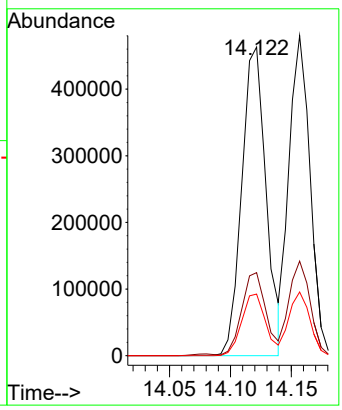




#81
Benzo(a)anthracene
Concen: 52.641 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:228 Resp: 64435

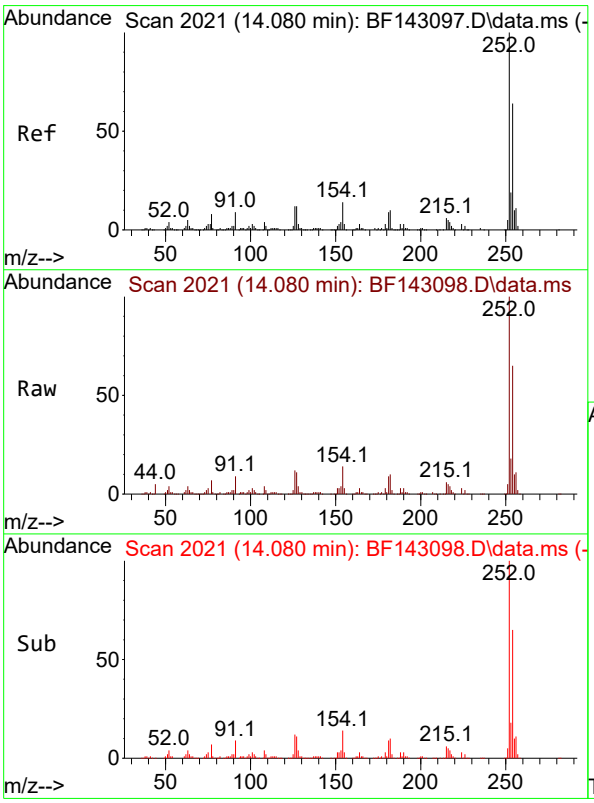
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	20.0	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

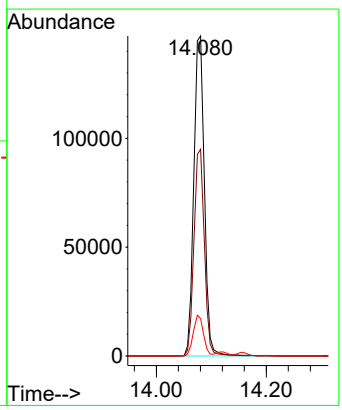
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

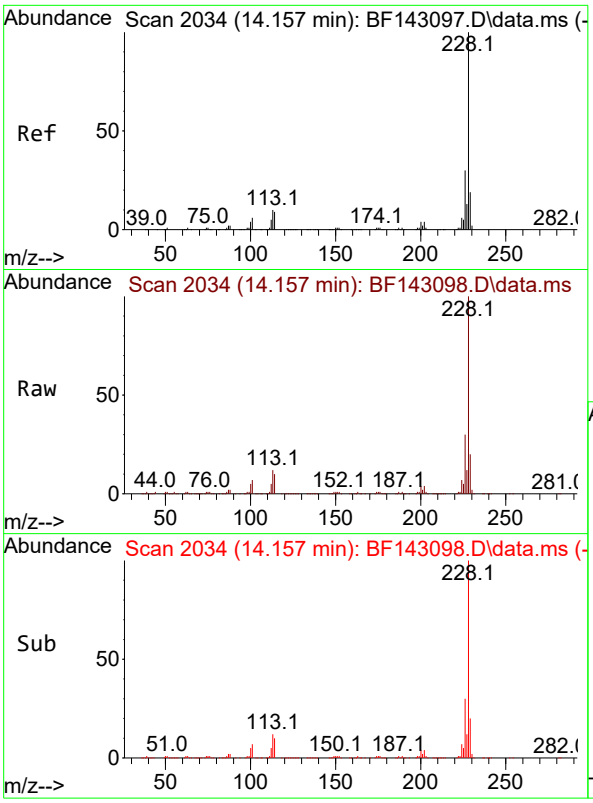


#82
3,3'-Dichlorobenzidine
Concen: 55.273 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 196472

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.5	77.3
126	11.7	9.4	14.0

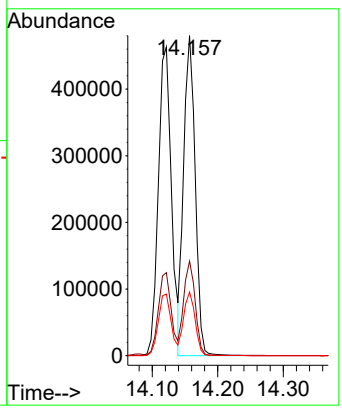




#83
Chrysene
Concen: 51.740 ng
RT: 14.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:228 Resp: 58330

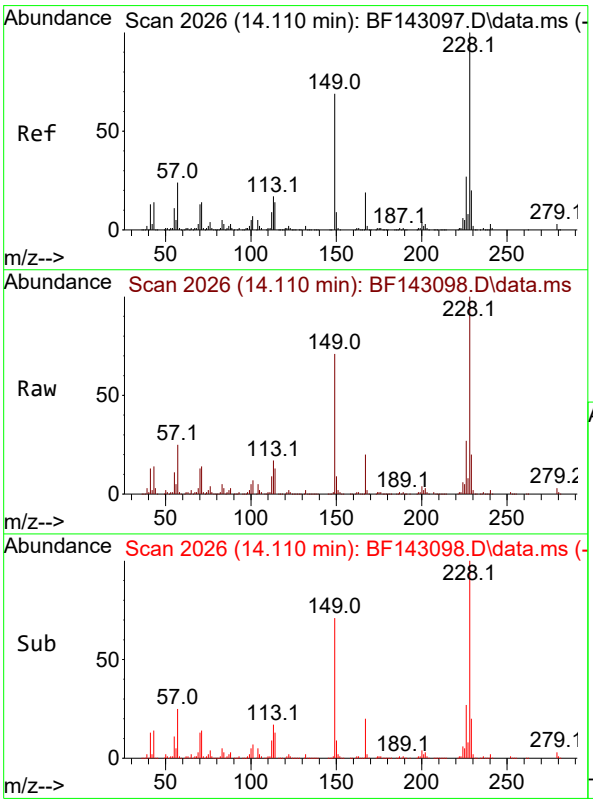
Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	19.9	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

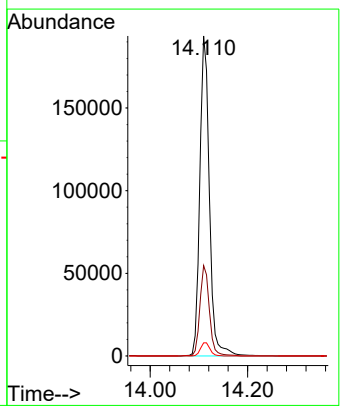
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

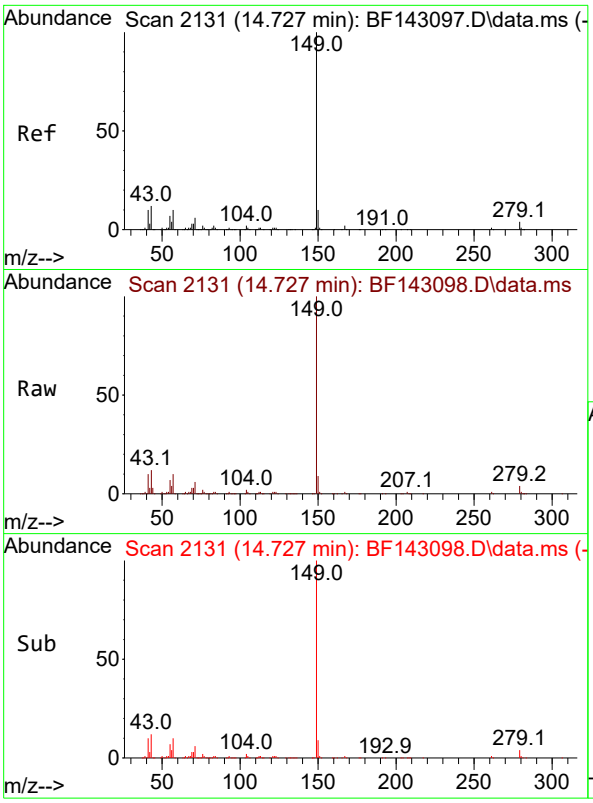


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.119 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 265225

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.9	32.9
279	4.1	3.4	5.0

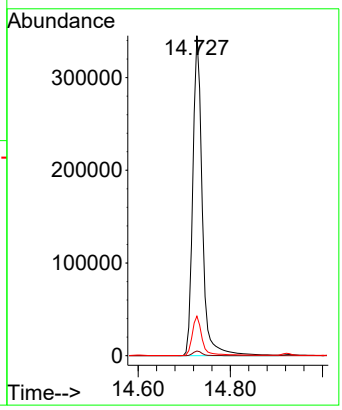




#85
Di-n-octyl phthalate
Concen: 50.100 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 49284

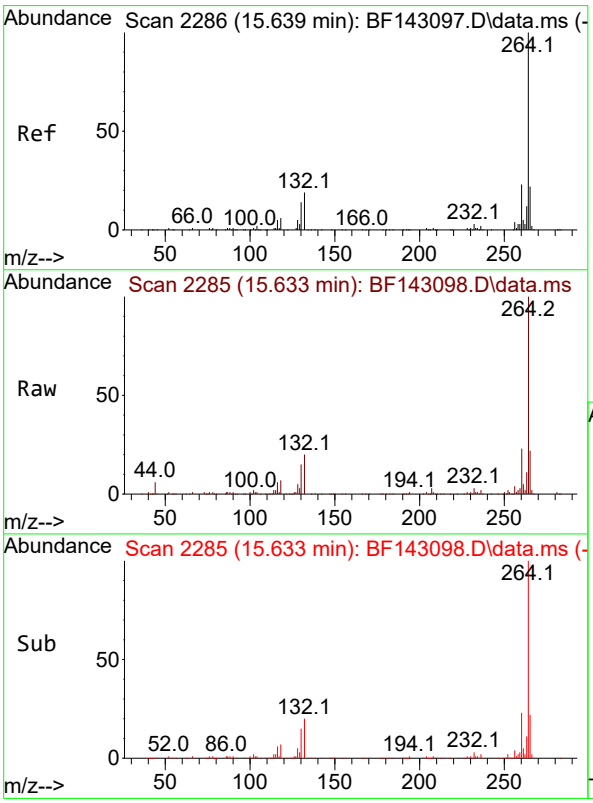
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	13.0	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

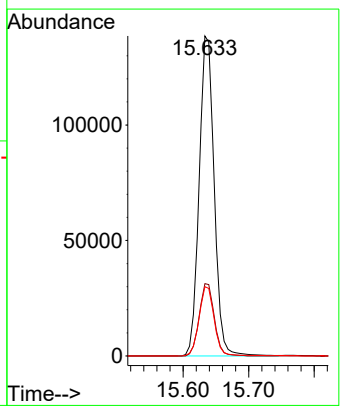
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

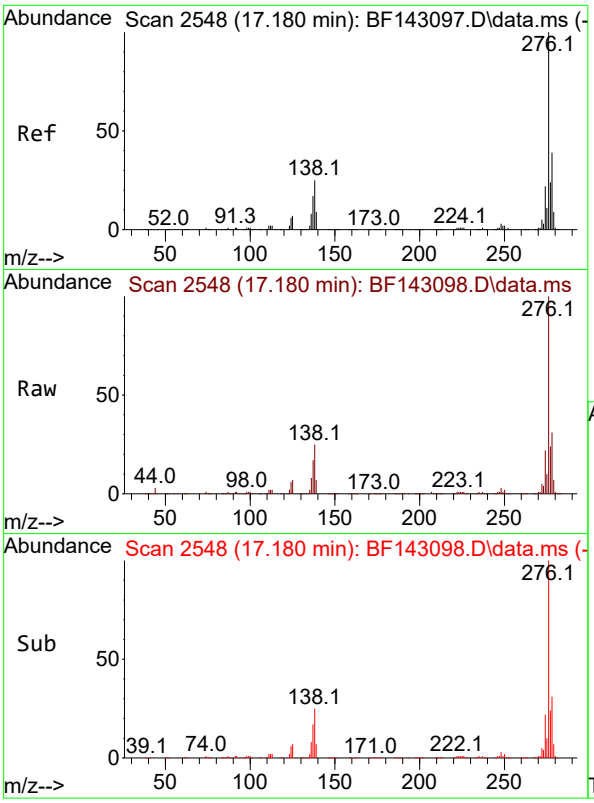


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:264 Resp: 221502

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.7	17.5	26.3

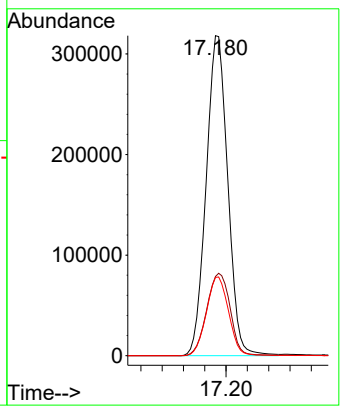




#87
Indeno(1,2,3-cd)pyrene
Concen: 54.440 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:276 Resp: 89687

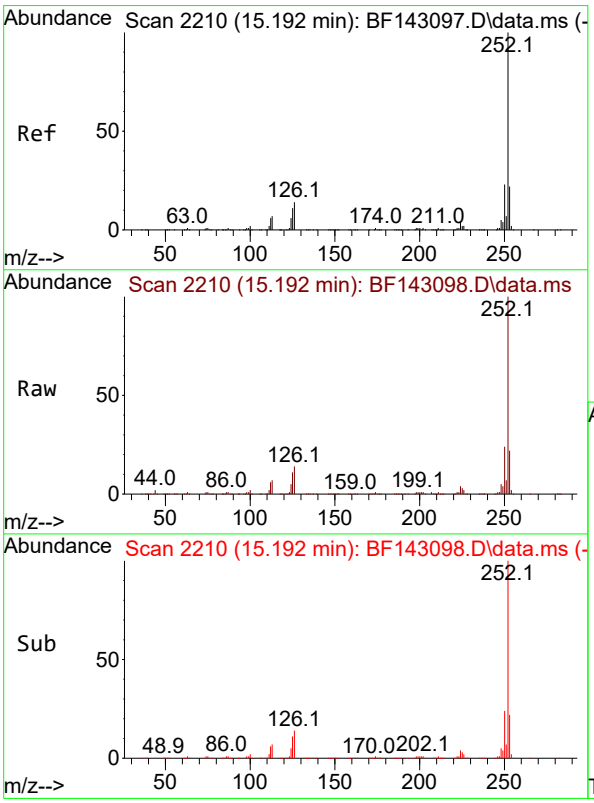
Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.6	34.0
277	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

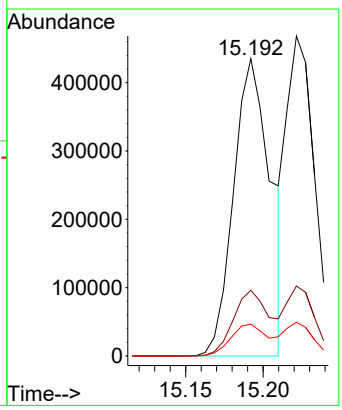
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

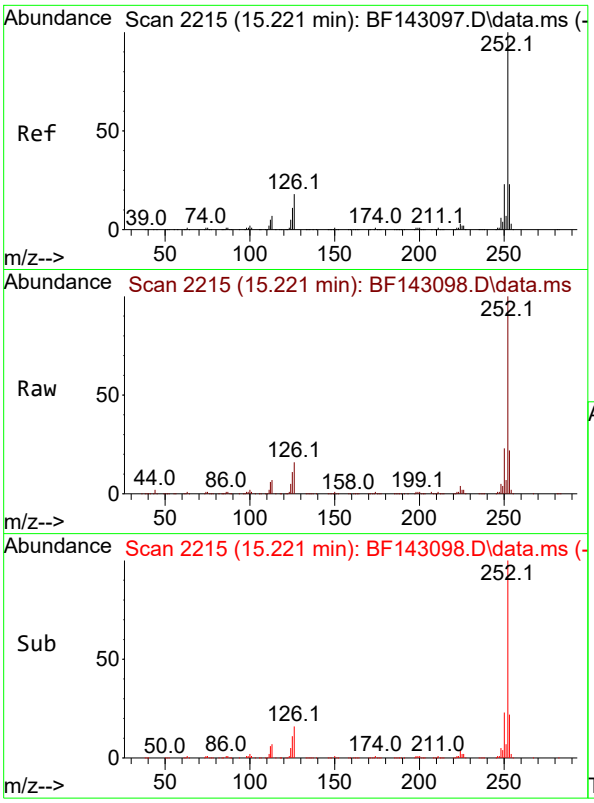


#88
Benzo(b)fluoranthene
Concen: 56.204 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 718106

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.7	8.6	13.0

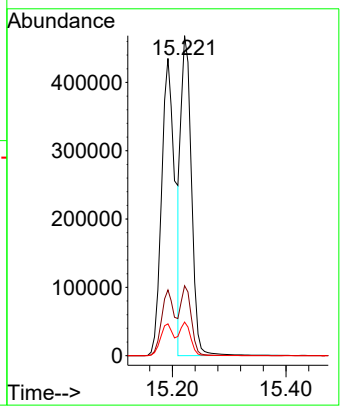




#89
Benzo(k)fluoranthene
Concen: 49.410 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 60226

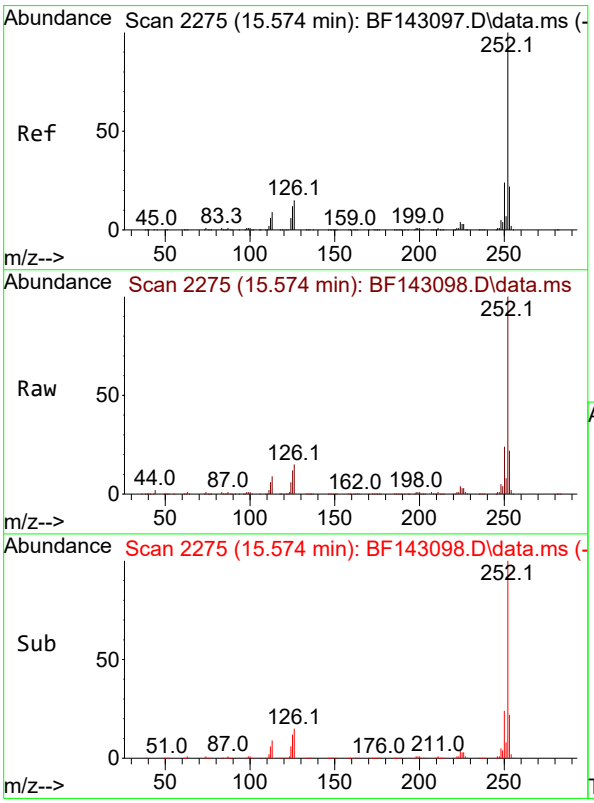
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.5	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

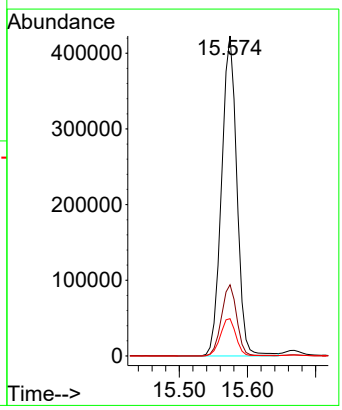
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

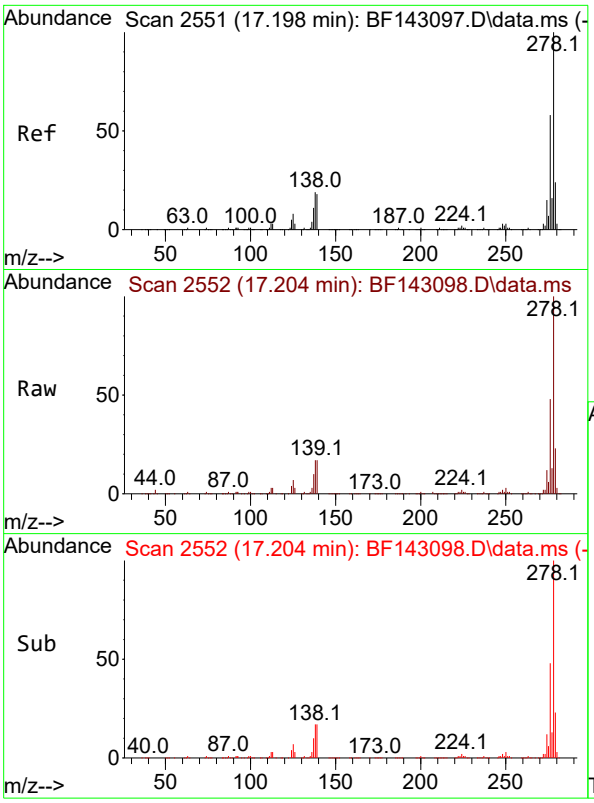


#90
Benzo(a)pyrene
Concen: 54.800 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 662193

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.6	9.4	14.0

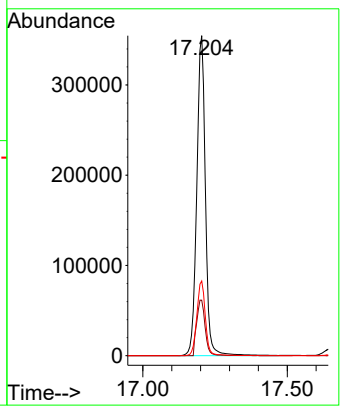




#91
Dibenzo(a,h)anthracene
Concen: 54.700 ng
RT: 17.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:278 Resp: 73667

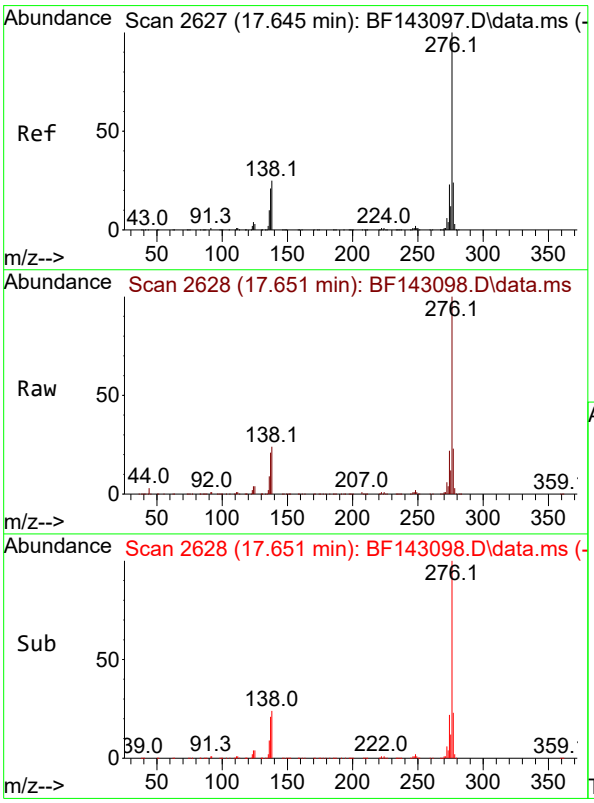
Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.6	22.0
279	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

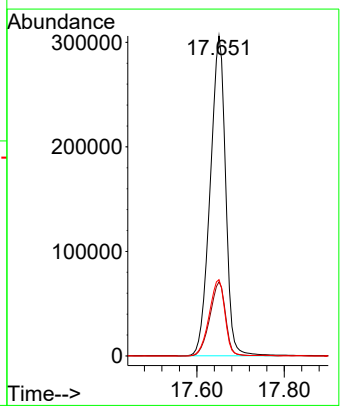
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 54.390 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:276 Resp: 746789

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.2	28.8
138	23.8	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	133949	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	501735	20.000	ng		0.00
39) Acenaphthene-d10	10.010	164	246002	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	380313	20.000	ng		0.00
76) Chrysene-d12	14.133	240	205942	20.000	ng		0.00
86) Perylene-d12	15.639	264	260121	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	990040	116.776	ng		0.00
7) Phenol-d6	6.593	99	1243617	116.695	ng		0.00
23) Nitrobenzene-d5	7.534	82	1172838	131.129	ng		0.00
42) 2,4,6-Tribromophenol	10.798	330	286830	130.765	ng		0.00
45) 2-Fluorobiphenyl	9.328	172	1999612	108.050	ng		0.00
79) Terphenyl-d14	13.075	244	1539271	109.260	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	251636	59.625	ng		100
3) Pyridine	3.587	79	647877	60.624	ng		99
4) n-Nitrosodimethylamine	3.534	42	337438	60.943	ng		100
6) Aniline	6.634	93	882633	58.815	ng		100
8) 2-Chlorophenol	6.757	128	516965	60.690	ng		98
9) Benzaldehyde	6.522	77	467499	57.571	ng		99
10) Phenol	6.604	94	680847m	59.015	ng		
11) bis(2-Chloroethyl)ether	6.704	93	518695	58.076	ng		99
12) 1,3-Dichlorobenzene	6.916	146	557813	57.965	ng		99
13) 1,4-Dichlorobenzene	6.987	146	556805	57.513	ng		99
14) 1,2-Dichlorobenzene	7.140	146	530965	57.510	ng		98
15) Benzyl Alcohol	7.104	79	477773	60.505	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.245	45	941009	57.157	ng		99
17) 2-Methylphenol	7.210	107	432787	58.876	ng		99
18) Hexachloroethane	7.487	117	191457	60.747	ng		99
19) n-Nitroso-di-n-propyla...	7.387	70	379882	58.184	ng		98
20) 3+4-Methylphenols	7.369	107	519658	57.645	ng		98
22) Acetophenone	7.375	105	679007	56.141	ng	#	92
24) Nitrobenzene	7.551	77	550668	63.778	ng		99
25) Isophorone	7.793	82	1033650	59.793	ng		100
26) 2-Nitrophenol	7.863	139	219665	62.382	ng		98
27) 2,4-Dimethylphenol	7.898	122	474411	59.127	ng		98
28) bis(2-Chloroethoxy)met...	7.992	93	608314	58.029	ng		100
29) 2,4-Dichlorophenol	8.104	162	408655	62.256	ng		99
30) 1,2,4-Trichlorobenzene	8.192	180	431427	57.913	ng		98
31) Naphthalene	8.275	128	1410509	56.612	ng		100
32) Benzoic acid	8.010	122	256755m	62.050	ng		
33) 4-Chloroaniline	8.316	127	574196	57.309	ng		99
34) Hexachlorobutadiene	8.398	225	265081	59.499	ng		99
35) Caprolactam	8.687	113	129583	63.219	ng		97
36) 4-Chloro-3-methylphenol	8.792	107	440907	60.299	ng		98
37) 2-Methylnaphthalene	8.963	142	846190	56.930	ng		100
38) 1-Methylnaphthalene	9.063	142	869460	56.399	ng		100
40) 1,2,4,5-Tetrachloroben...	9.134	216	414099	57.762	ng		99
41) Hexachlorocyclopentadiene	9.122	237	262731	66.101	ng		98
43) 2,4,6-Trichlorophenol	9.239	196	290245	65.157	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	277922	59.502	ng		99
46) 1,1'-Biphenyl	9.428	154	1103990	56.274	ng		100
47) 2-Chloronaphthalene	9.451	162	826528	57.350	ng		98
48) 2-Nitroaniline	9.539	65	267636	61.259	ng		98
49) Acenaphthylene	9.869	152	1378196	57.388	ng		100
50) Dimethylphthalate	9.728	163	899456	58.118	ng		100
51) 2,6-Dinitrotoluene	9.781	165	193185	62.287	ng		93
52) Acenaphthene	10.045	154	802583	56.633	ng		99
53) 3-Nitroaniline	9.951	138	230773	69.008	ng		96
54) 2,4-Dinitrophenol	10.051	184	66479	61.314	ng	#	4
55) Dibenzofuran	10.216	168	1184002	56.052	ng		100
56) 4-Nitrophenol	10.098	139	174657	65.716	ng		96
57) 2,4-Dinitrotoluene	10.186	165	235488	60.695	ng		99
58) Fluorene	10.557	166	875218	55.265	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	238428	64.235	ng		98
60) Diethylphthalate	10.428	149	876047	58.672	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	432659	57.000	ng		99
62) 4-Nitroaniline	10.563	138	194271	66.802	ng		97
63) Azobenzene	10.704	77	946204	57.300	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	96305	62.285	ng		98
66) n-Nitrosodiphenylamine	10.663	169	781087	58.469	ng		100
67) 4-Bromophenyl-phenylether	11.039	248	260491	60.229	ng		96
68) Hexachlorobenzene	11.110	284	273112	59.515	ng		95
69) Atrazine	11.186	200	211351	61.838	ng		99
70) Pentachlorophenol	11.292	266	165676	65.805	ng		99
71) Phenanthrene	11.516	178	1165047	56.762	ng		99
72) Anthracene	11.569	178	1188635	57.589	ng		100
73) Carbazole	11.716	167	1057291	57.179	ng		100
74) Di-n-butylphthalate	12.051	149	1074246	63.291	ng		100
75) Fluoranthene	12.704	202	1069898	57.328	ng		100
77) Benzidine	12.816	184	380587	54.244	ng		100
78) Pyrene	12.933	202	1060216	55.485	ng		99
80) Butylbenzylphthalate	13.551	149	243805	62.406	ng		98
81) Benzo(a)anthracene	14.122	228	819246	59.697	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	254086	63.758	ng		99
83) Chrysene	14.157	228	758916	60.044	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	364902	61.957	ng		100
85) Di-n-octyl phthalate	14.727	149	688940	60.817	ng		98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1185702	61.286	ng		99
88) Benzo(b)fluoranthene	15.192	252	924866	61.640	ng		100
89) Benzo(k)fluoranthene	15.227	252	827274	57.794	ng		99
90) Benzo(a)pyrene	15.574	252	876856	61.791	ng		100
91) Dibenzo(a,h)anthracene	17.210	278	953666	60.300	ng		99
92) Benzo(g,h,i)perylene	17.657	276	982960	60.962	ng		99

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

ICAL Form

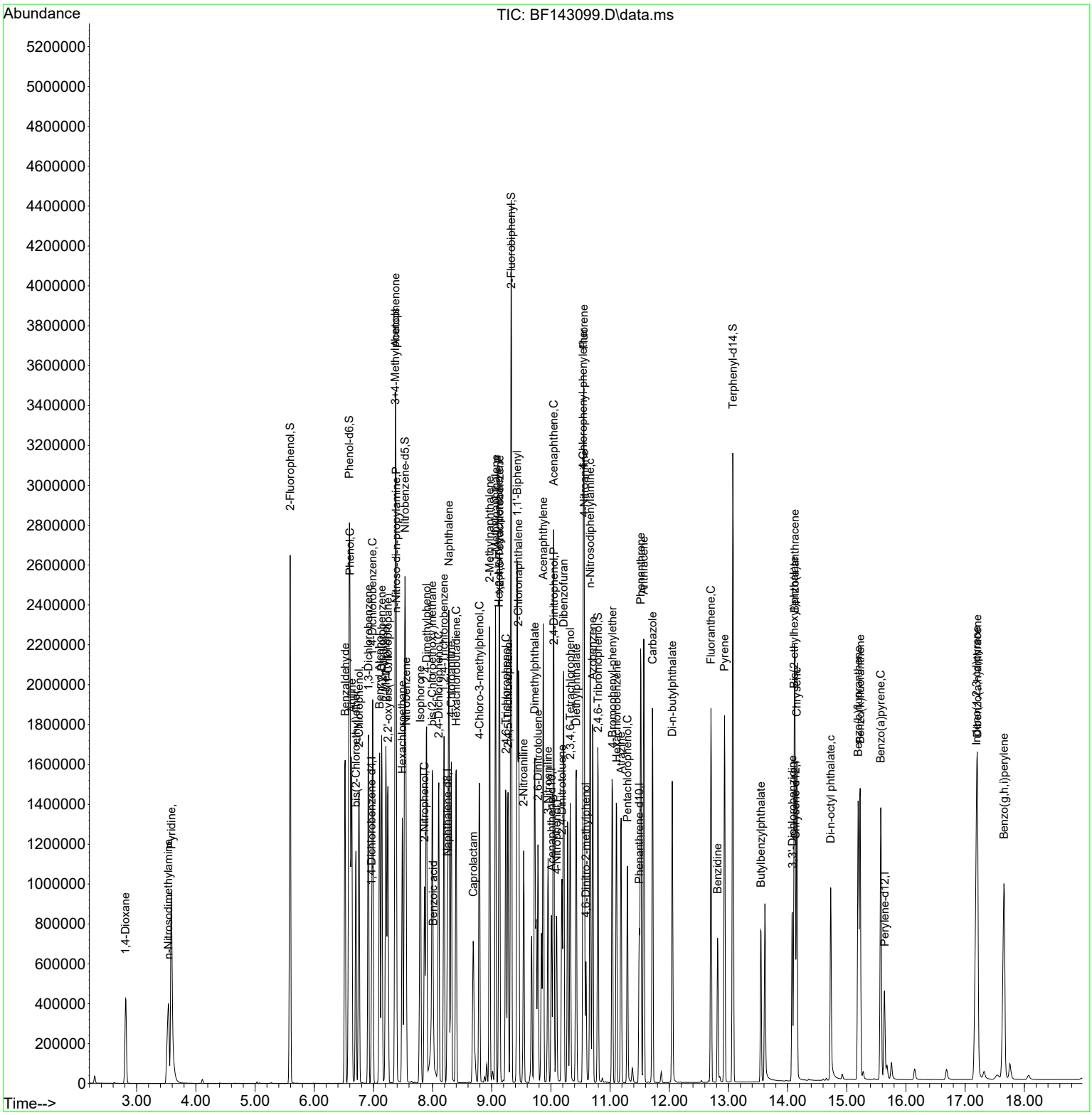
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

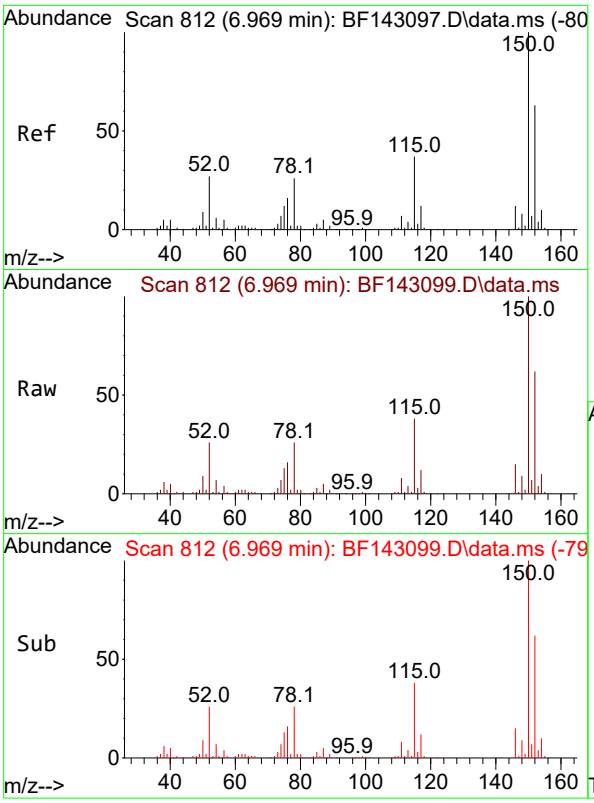
Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

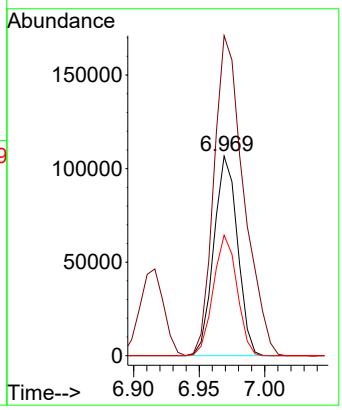




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:152 Resp: 13394

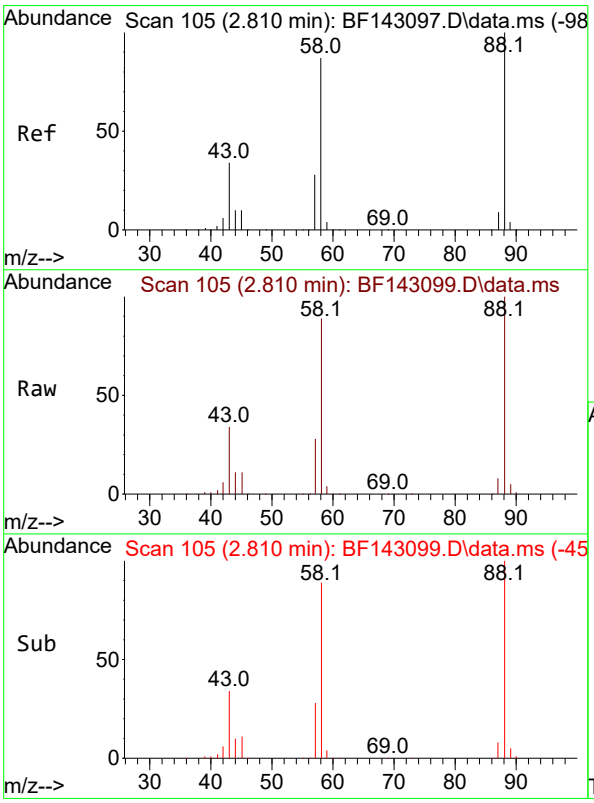
Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.5	189.7
115	60.4	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

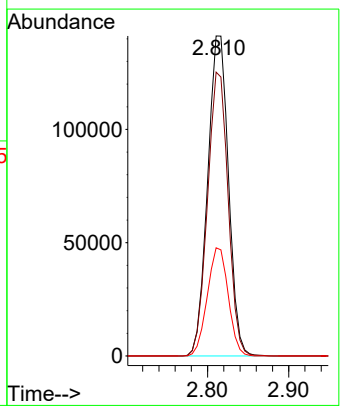
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

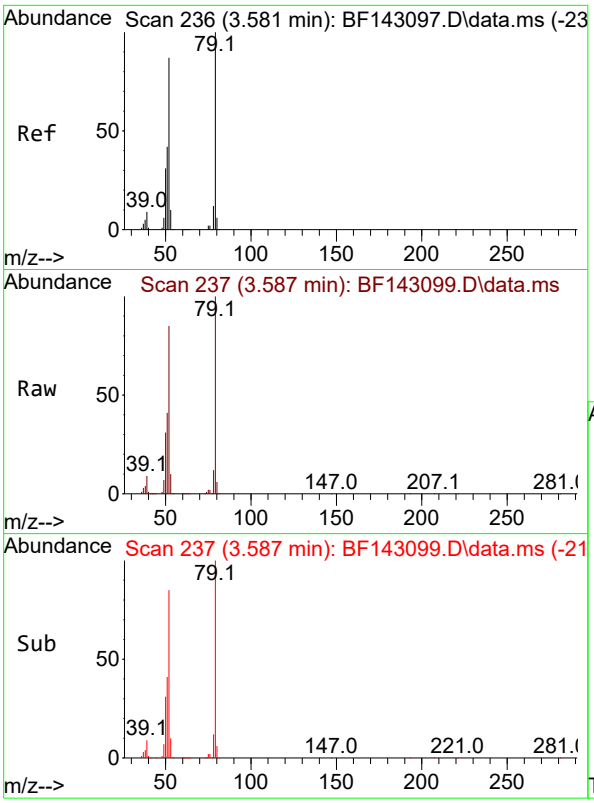


#2
1,4-Dioxane
Concen: 59.625 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 88 Resp: 251636

Ion	Ratio	Lower	Upper
88	100		
58	87.7	70.5	105.7
43	34.0	27.3	40.9

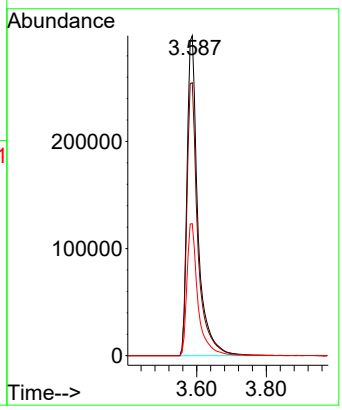




#3
Pyridine
Concen: 60.624 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 79 Resp: 64787

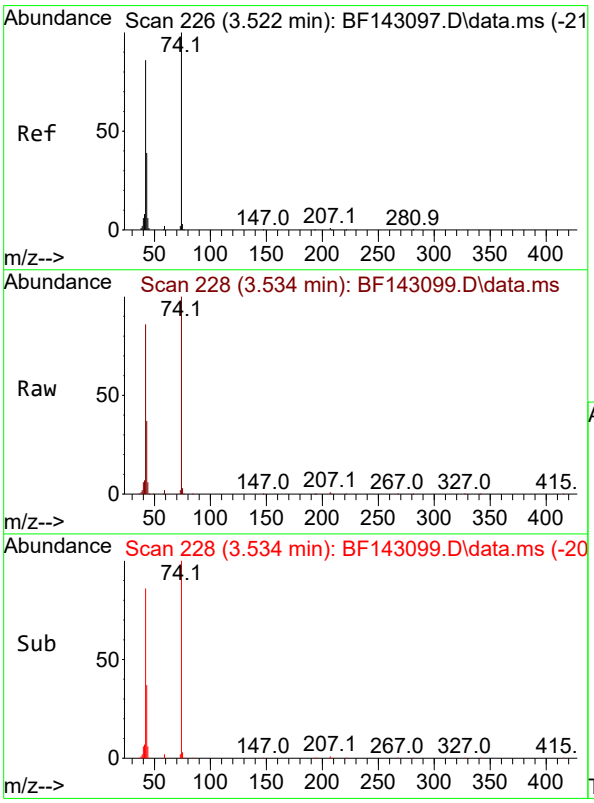
Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.2	103.8
51	41.3	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

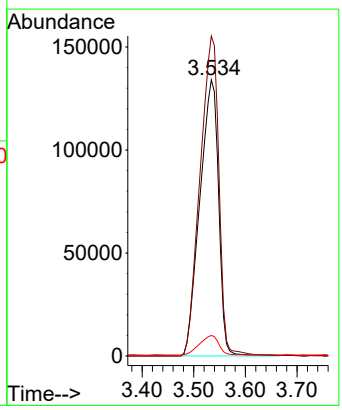
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

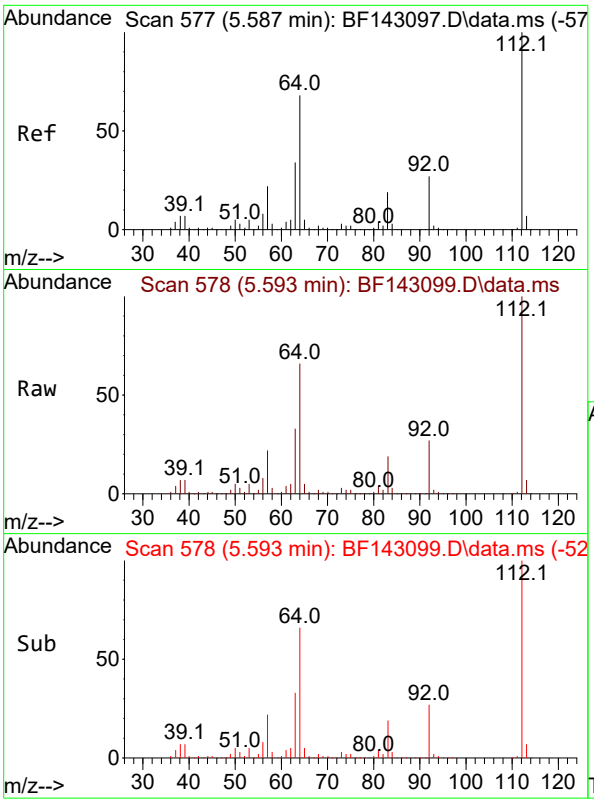


#4
n-Nitrosodimethylamine
Concen: 60.943 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 42 Resp: 337438

Ion	Ratio	Lower	Upper
42	100		
74	115.8	92.8	139.2
44	7.4	5.8	8.6





#5
2-Fluorophenol
Concen: 116.776 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

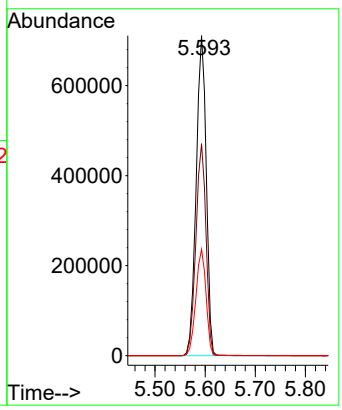
Tgt Ion:112 Resp: 99004

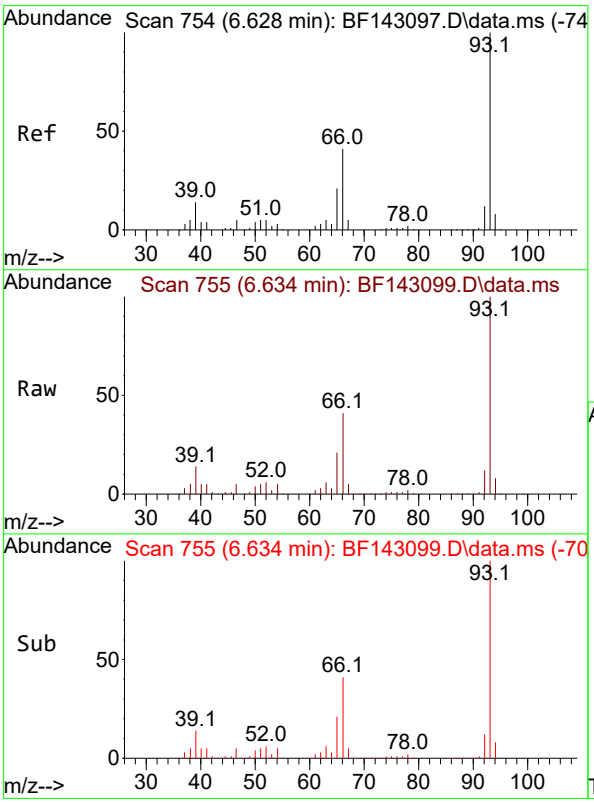
Ion	Ratio	Lower	Upper
112	100		
64	66.2	54.6	82.0
63	33.2	27.3	40.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

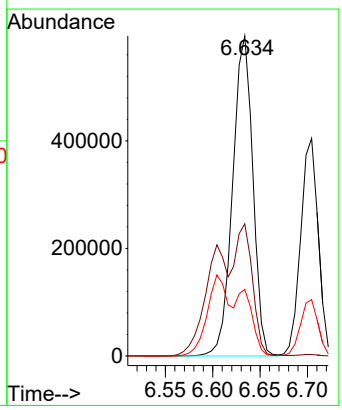


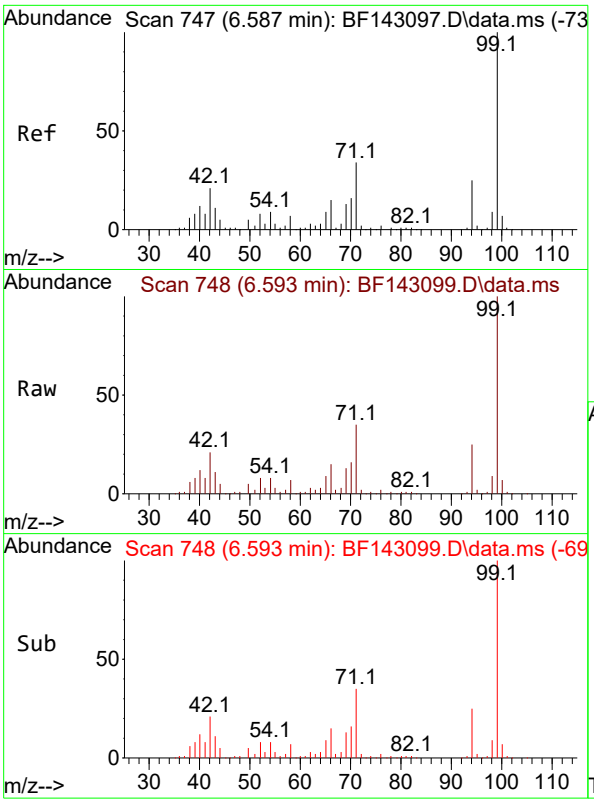


#6
Aniline
Concen: 58.815 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 882633

Ion	Ratio	Lower	Upper
93	100		
66	41.3	33.1	49.7
65	20.8	16.9	25.3





#7
Phenol-d6
Concen: 116.695 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

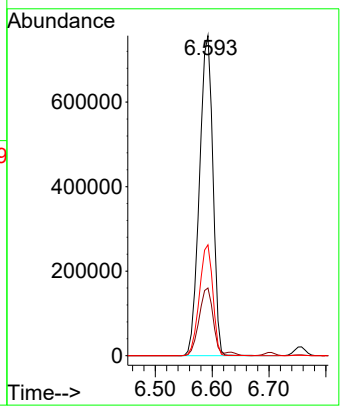
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

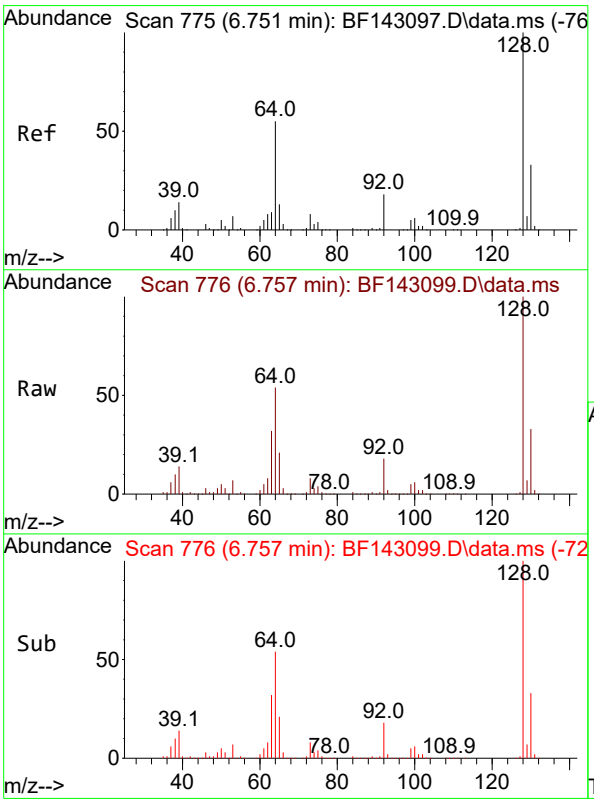
Tgt Ion: 99 Resp: 124361

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.2	25.8
71	34.7	27.4	41.0

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

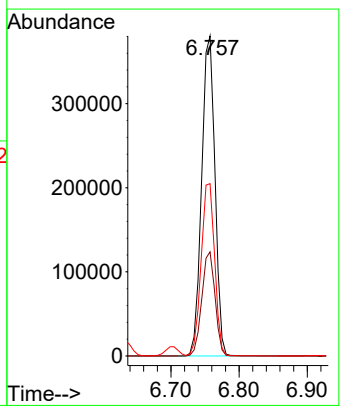


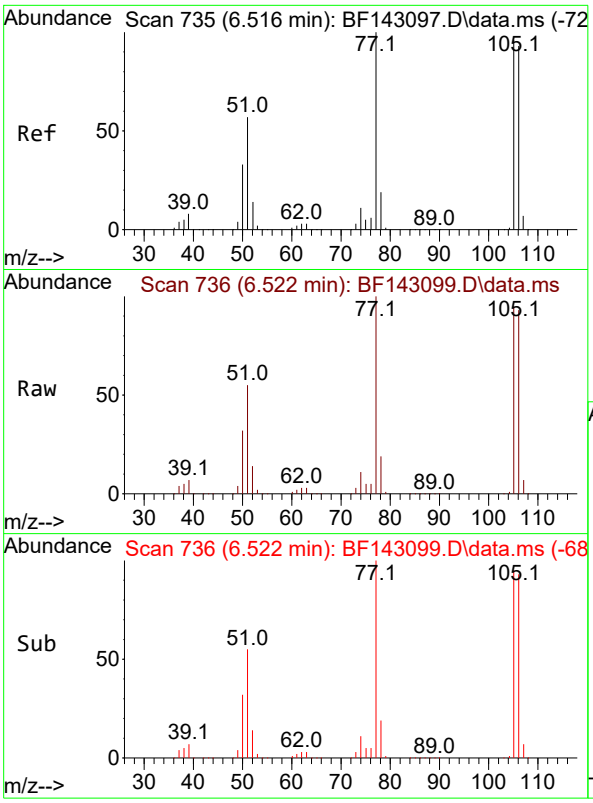


#8
2-Chlorophenol
Concen: 60.690 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:128 Resp: 516965

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	53.9	36.1	76.1

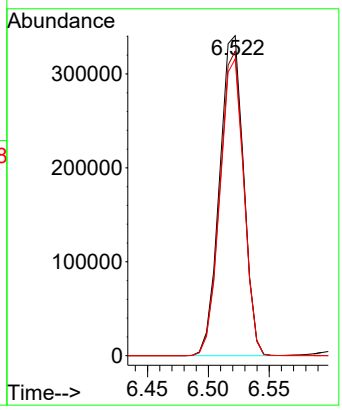




#9
Benzaldehyde
Concen: 57.571 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 46749

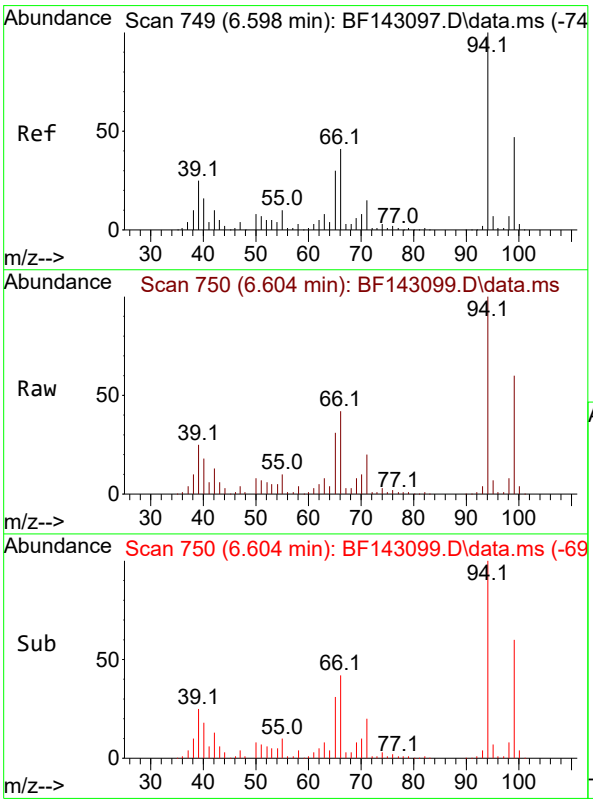
Ion	Ratio	Lower	Upper
77	100		
105	95.1	76.3	116.3
106	92.7	72.8	112.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

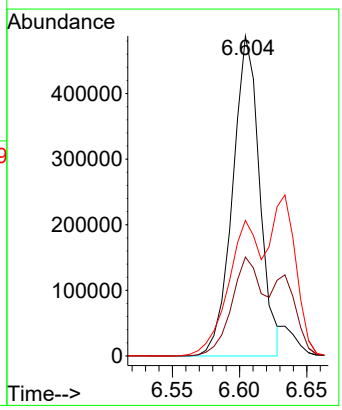
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

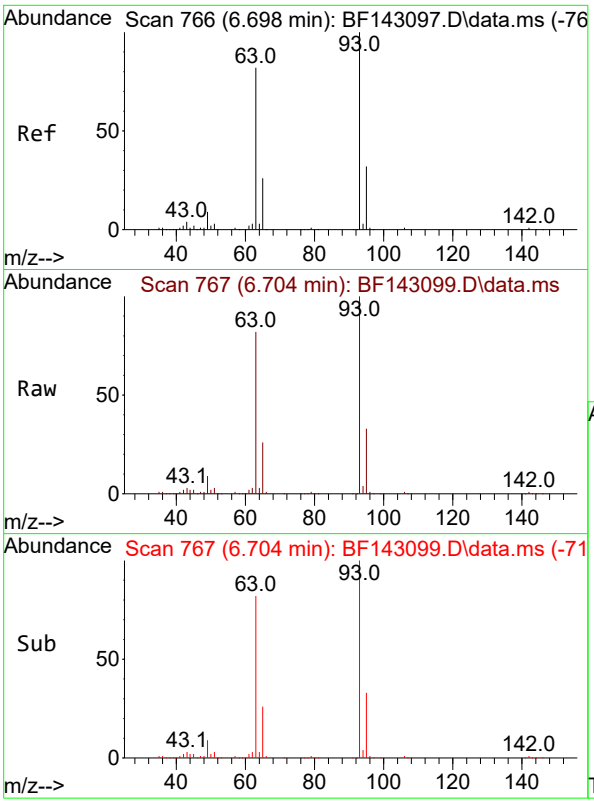


#10
Phenol
Concen: 59.015 ng m
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 94 Resp: 680847

Ion	Ratio	Lower	Upper
94	100		
65	30.9	9.8	49.8
66	42.4	20.5	60.5





#11
bis(2-Chloroethyl)ether
Concen: 58.076 ng
RT: 6.704 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

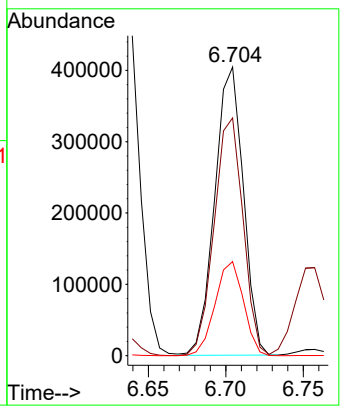
Tgt Ion: 93 Resp: 51869

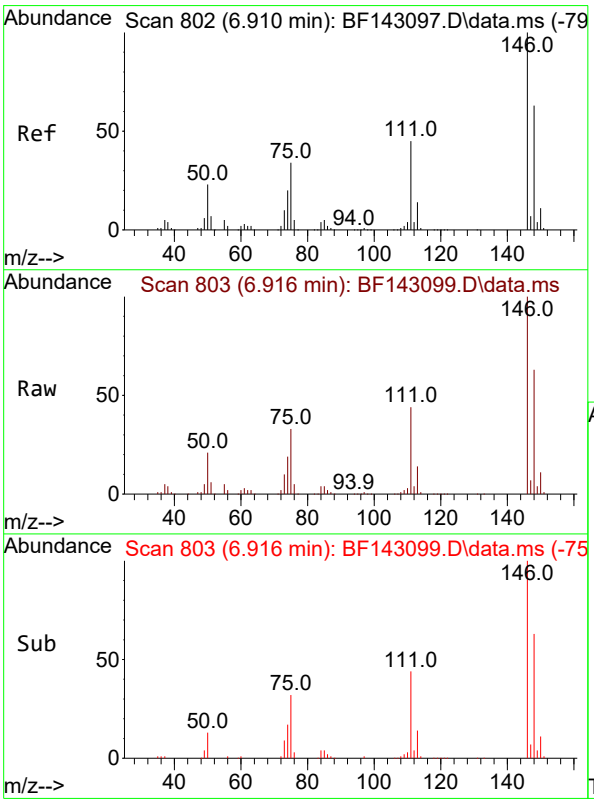
Ion	Ratio	Lower	Upper
93	100		
63	82.4	61.9	101.9
95	32.6	12.2	52.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

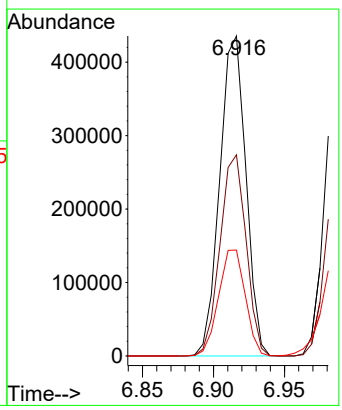


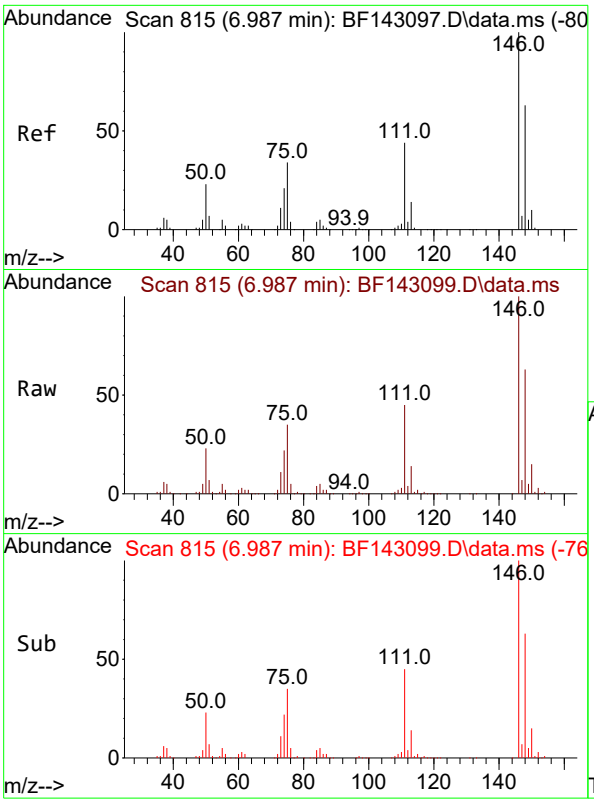


#12
1,3-Dichlorobenzene
Concen: 57.965 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 557813

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.1	75.1
75	33.1	27.4	41.0

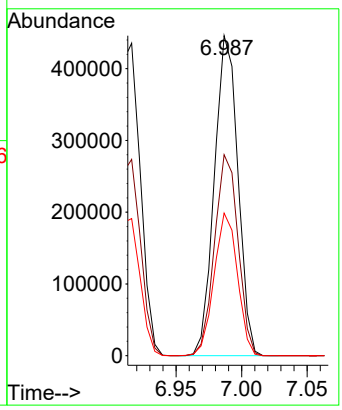




#13
1,4-Dichlorobenzene
Concen: 57.513 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 55680

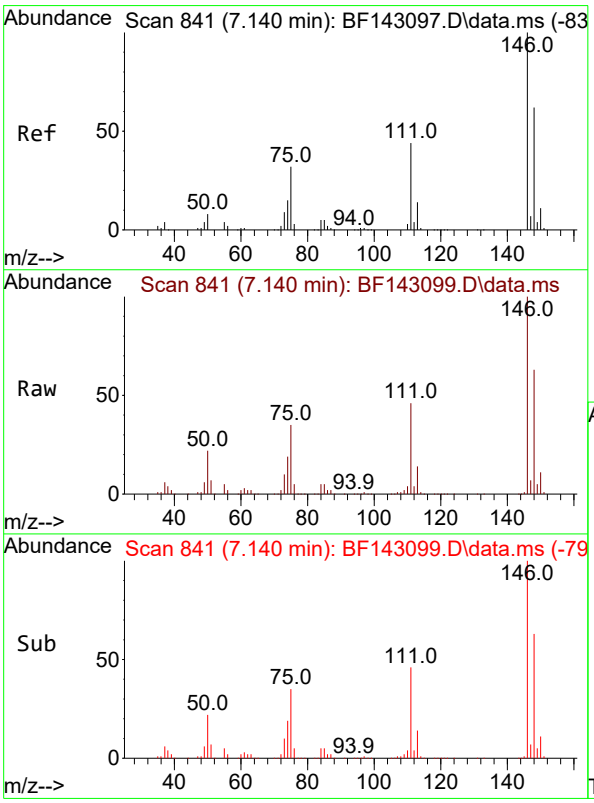
Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	76.0
111	44.6	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

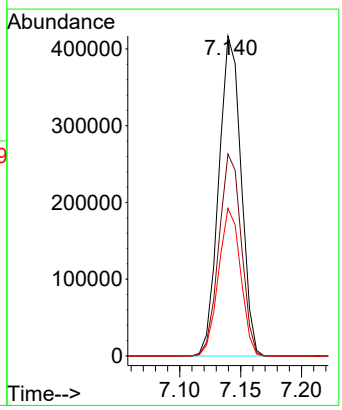
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

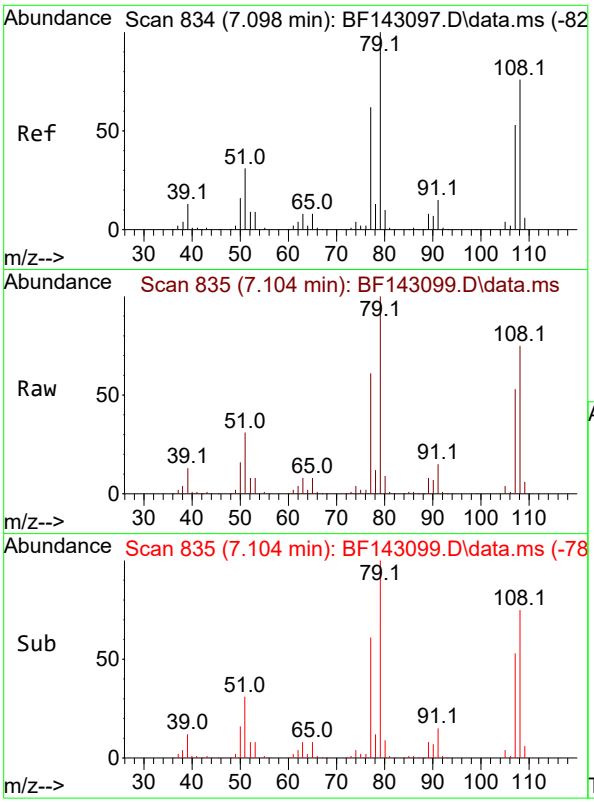


#14
1,2-Dichlorobenzene
Concen: 57.510 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 530965

Ion	Ratio	Lower	Upper
146	100		
148	63.1	49.8	74.6
111	46.1	35.4	53.0

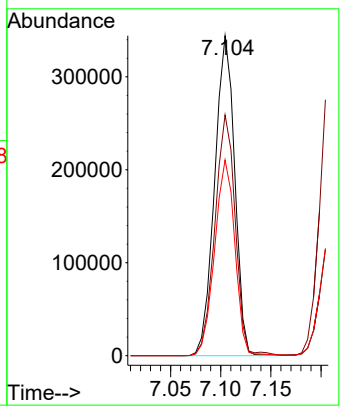




#15
Benzyl Alcohol
Concen: 60.505 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 79 Resp: 47777

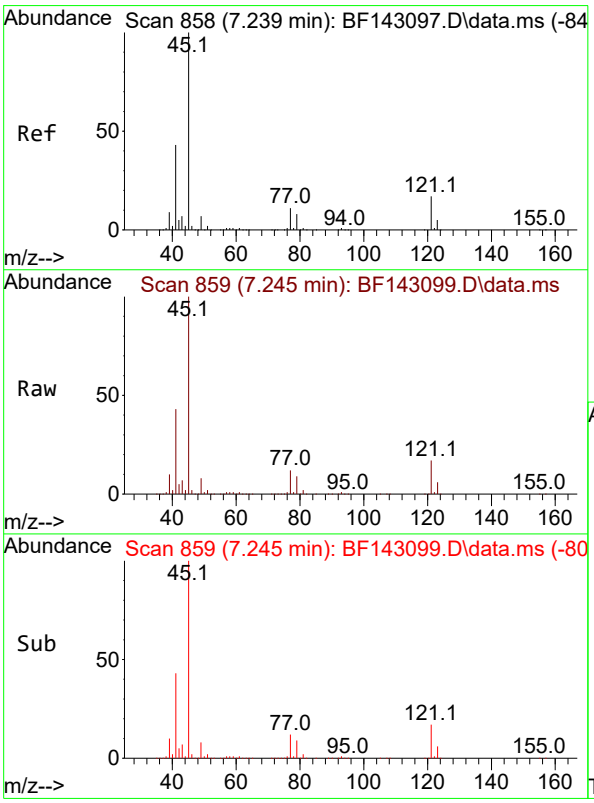
Ion	Ratio	Lower	Upper
79	100		
108	75.3	61.1	91.7
77	61.2	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

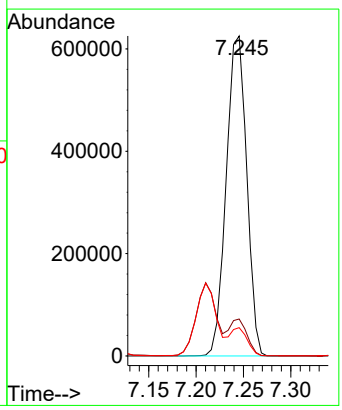
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

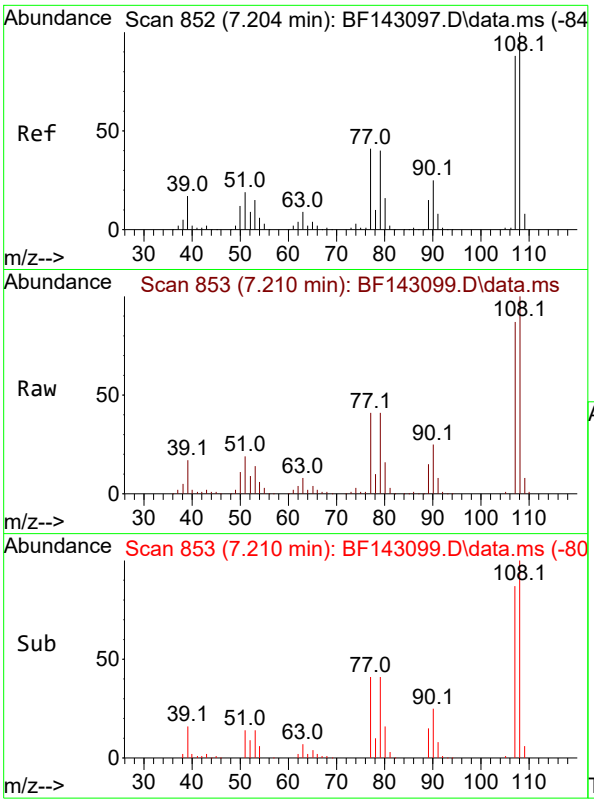


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.157 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 45 Resp: 941009

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.1
79	8.9	0.0	28.4

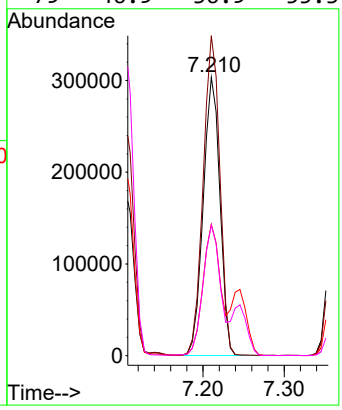




#17
2-Methylphenol
Concen: 58.876 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 43278

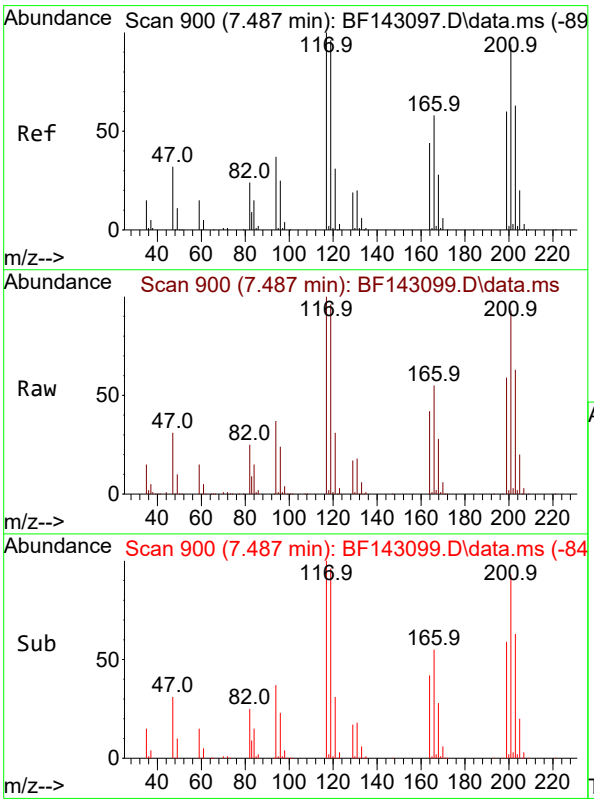
Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.9	136.3
77	47.2	37.5	56.3
79	46.9	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

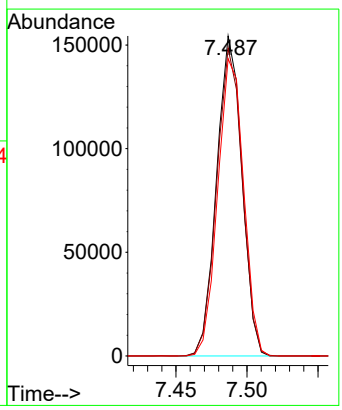
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

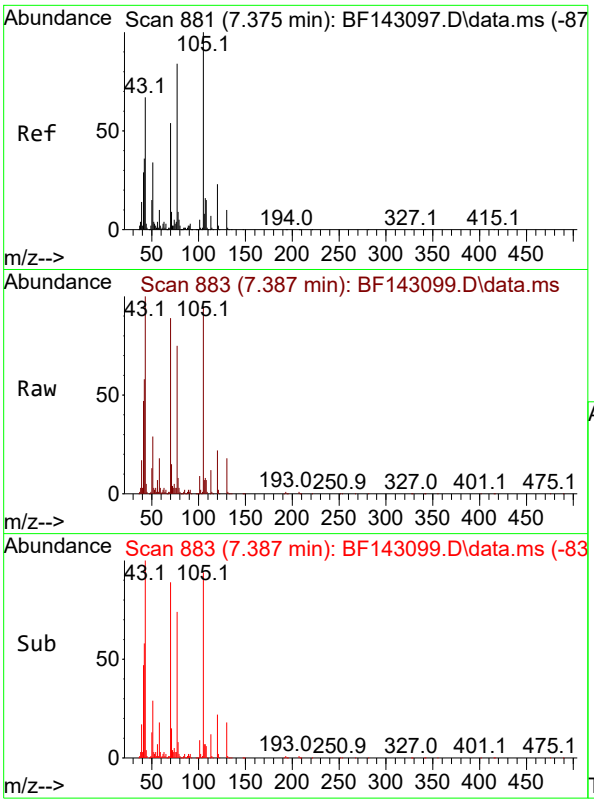


#18
Hexachloroethane
Concen: 60.747 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:117 Resp: 191457

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
201	92.9	75.0	112.4

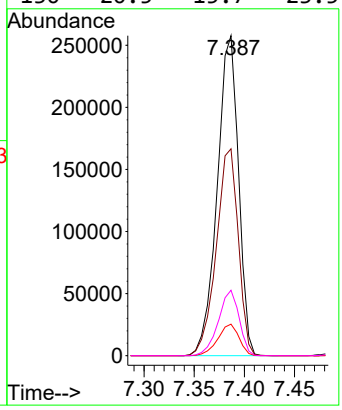




#19
n-Nitroso-di-n-propylamine
Concen: 58.184 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 70 Resp: 37988

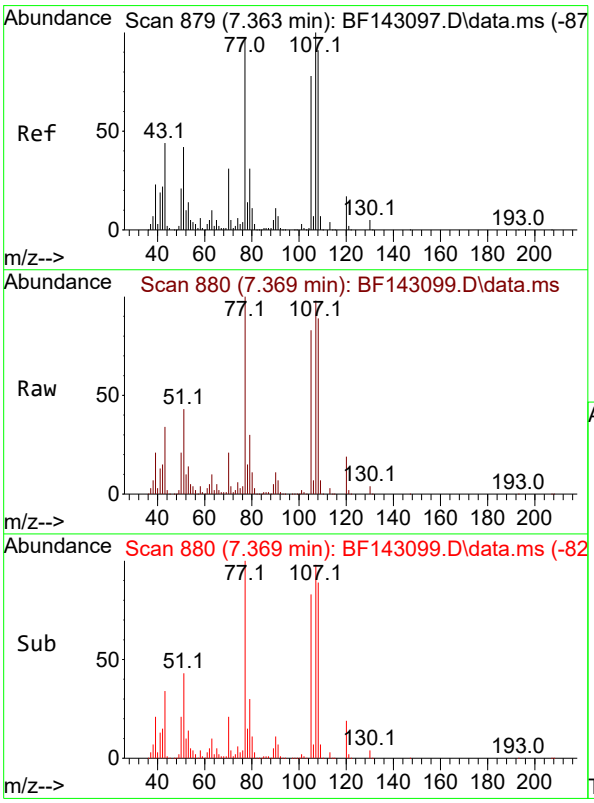
Ion	Ratio	Lower	Upper
70	100		
42	64.6	53.2	79.8
101	9.9	7.5	11.3
130	20.5	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

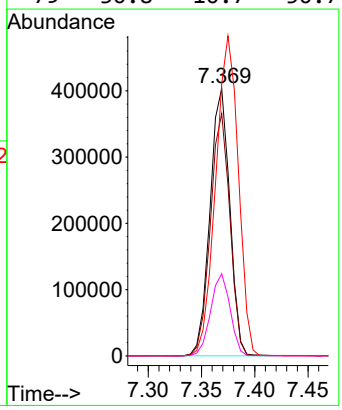
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

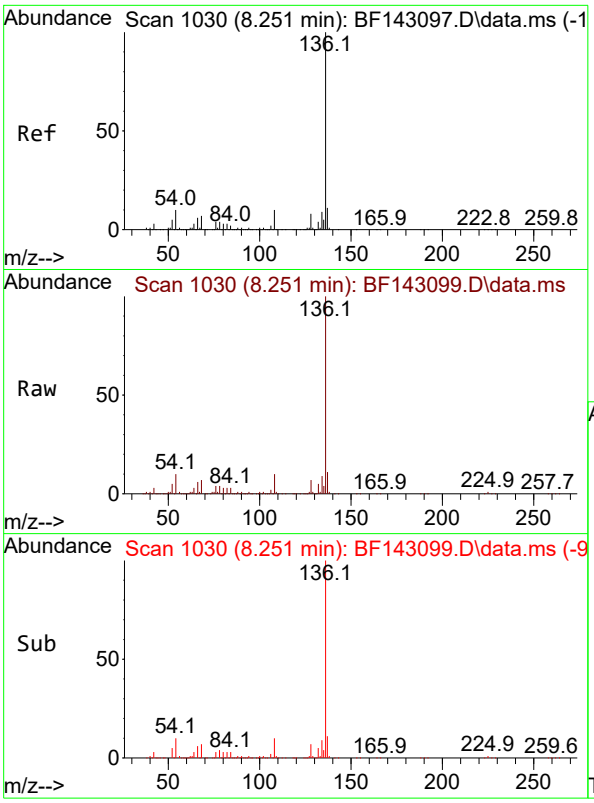


#20
3+4-Methylphenols
Concen: 57.645 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 519658

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.3	111.3
77	101.8	77.2	117.2
79	30.8	10.7	50.7

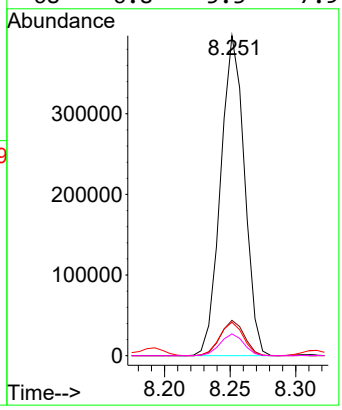




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:136 Resp: 50173

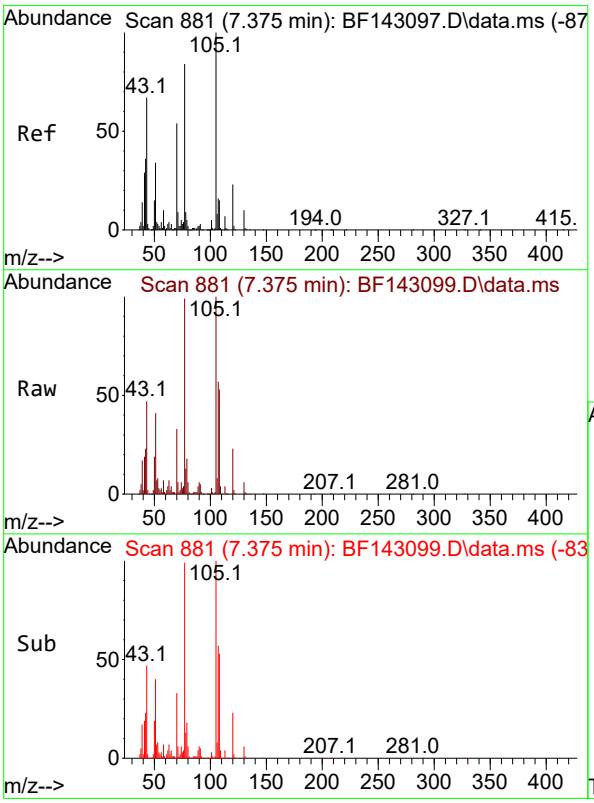
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.4	8.3	12.5
68	6.8	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

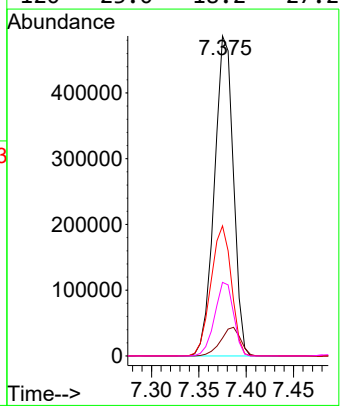
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

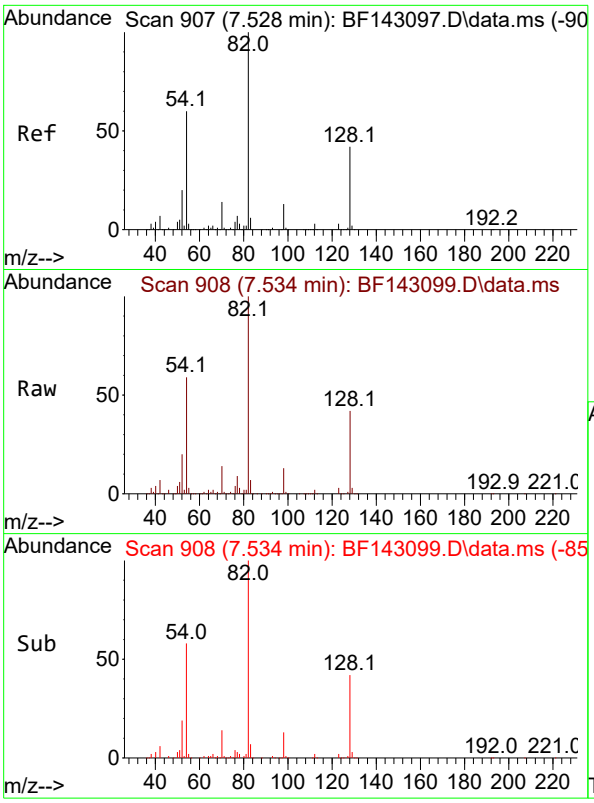


#22
Acetophenone
Concen: 56.141 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:105 Resp: 679007

Ion	Ratio	Lower	Upper
105	100		
71	5.6	7.2	10.8#
51	40.7	27.0	40.4#
120	23.0	18.2	27.2

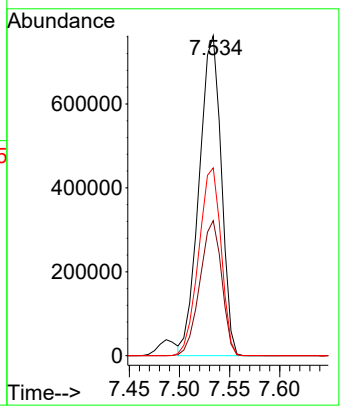




#23
Nitrobenzene-d5
Concen: 131.129 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 82 Resp: 117283

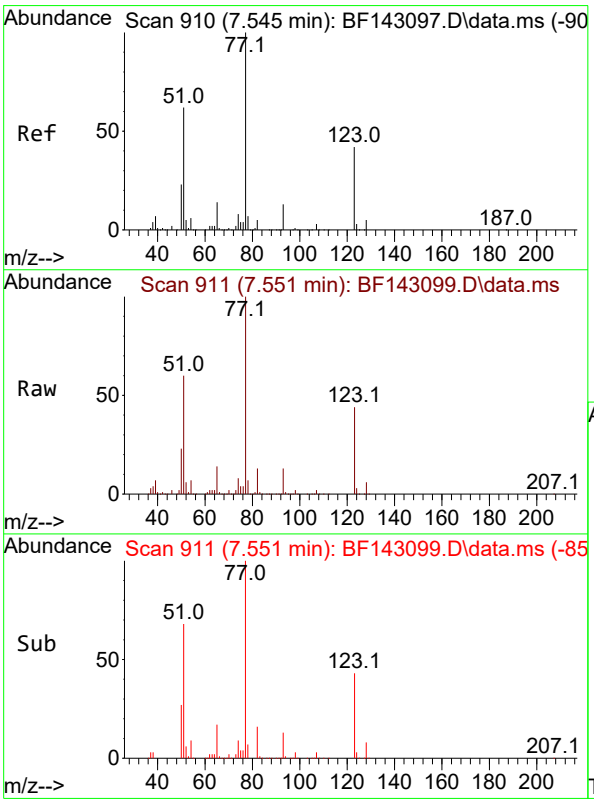
Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.3	49.9
54	58.7	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

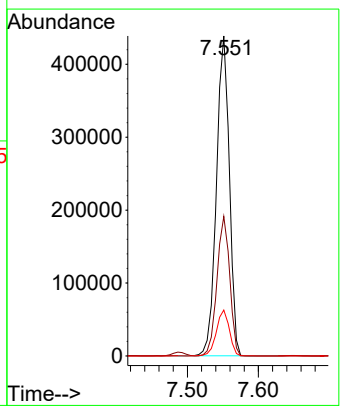
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

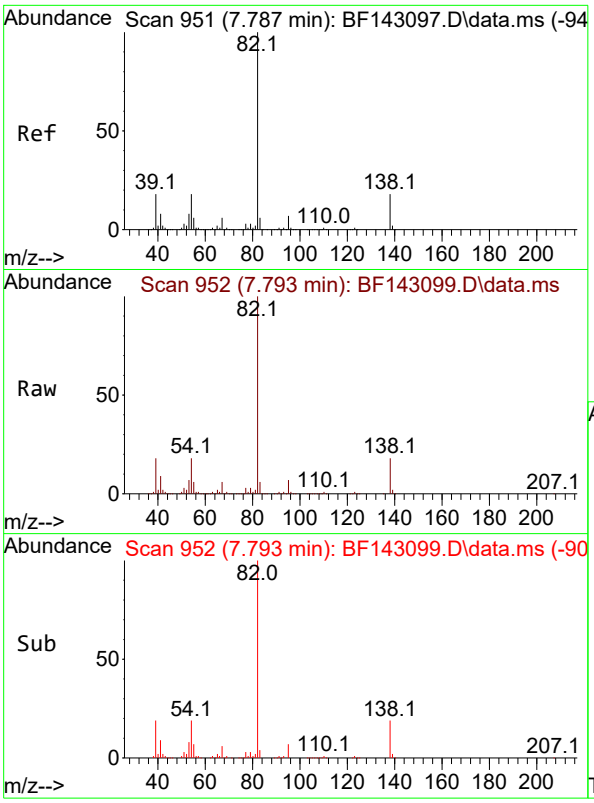


#24
Nitrobenzene
Concen: 63.778 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 550668

Ion	Ratio	Lower	Upper
77	100		
123	43.6	34.5	51.7
65	14.3	11.3	16.9

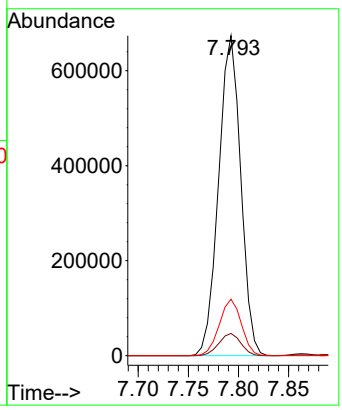




#25
Isophorone
Concen: 59.793 ng
RT: 7.793 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 82 Resp: 103365

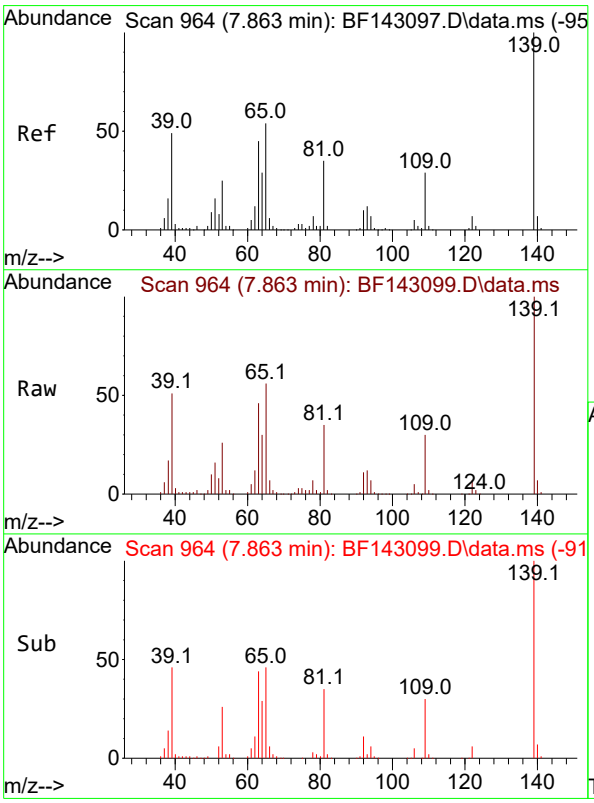
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.6	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

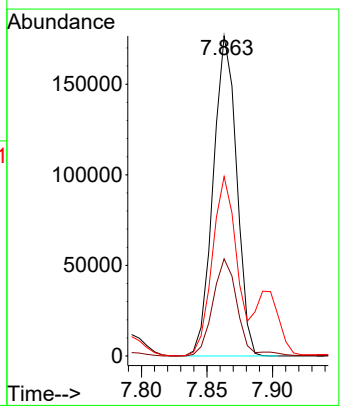
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

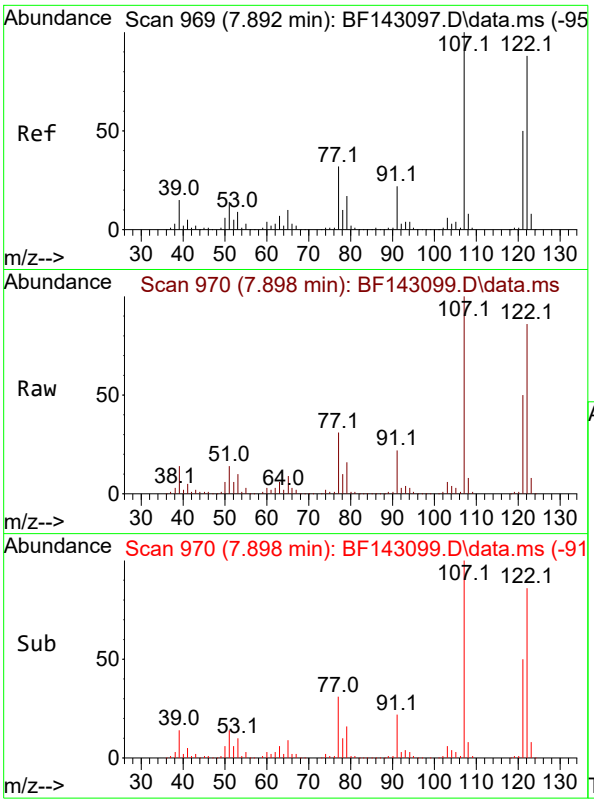


#26
2-Nitrophenol
Concen: 62.382 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 219665

Ion	Ratio	Lower	Upper
139	100		
109	30.4	23.4	35.0
65	56.1	43.4	65.2

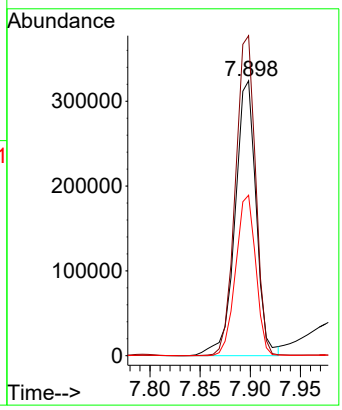




#27
2,4-Dimethylphenol
Concen: 59.127 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:122 Resp: 47441

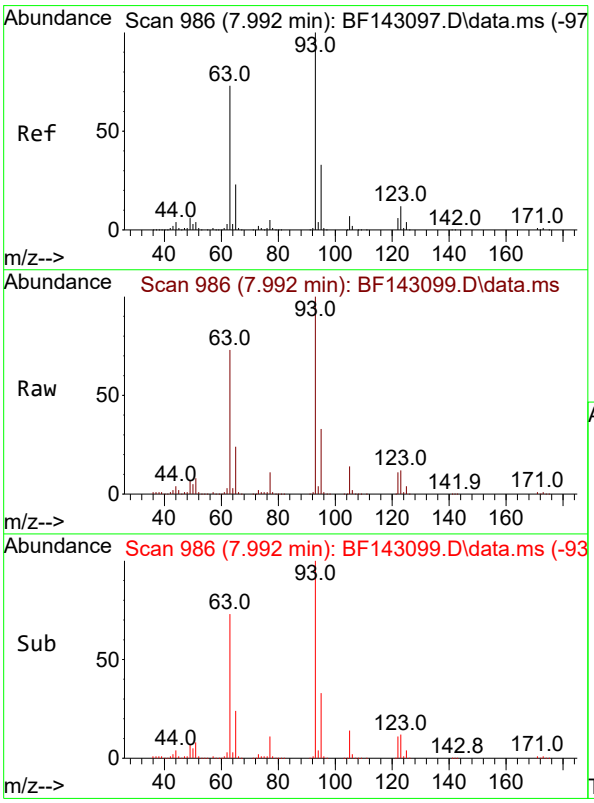
Ion	Ratio	Lower	Upper
122	100		
107	116.4	91.3	136.9
121	58.4	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

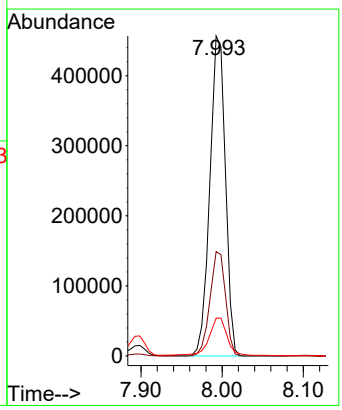
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

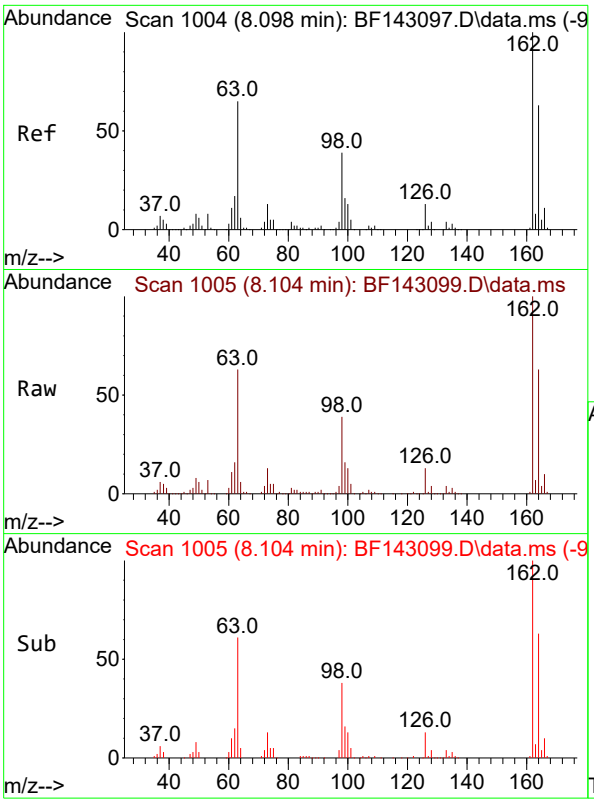


#28
bis(2-Chloroethoxy)methane
Concen: 58.029 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 608314

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.8	9.6	14.4





#29
2,4-Dichlorophenol
Concen: 62.256 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

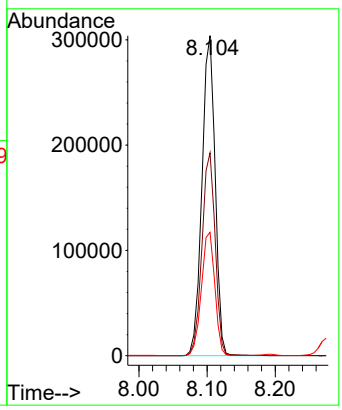
Tgt Ion:162 Resp: 40865

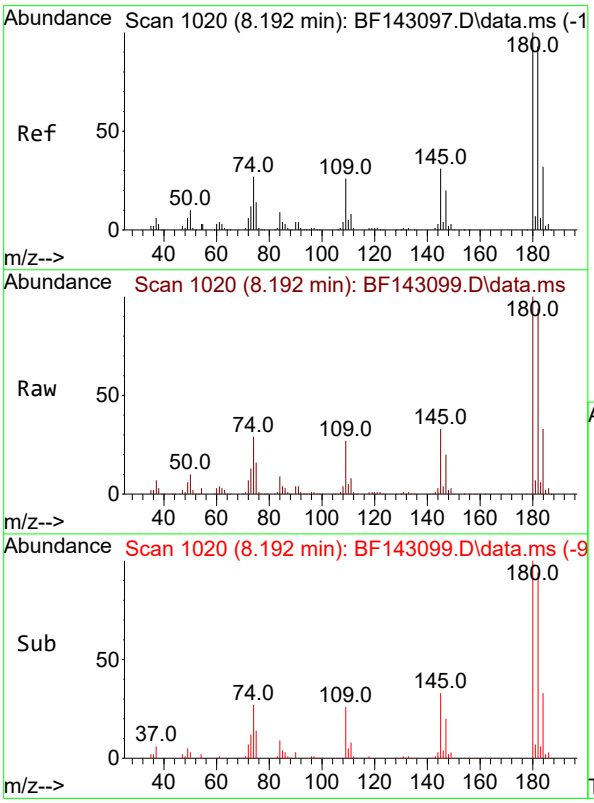
Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.1	83.1
98	38.5	19.2	59.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

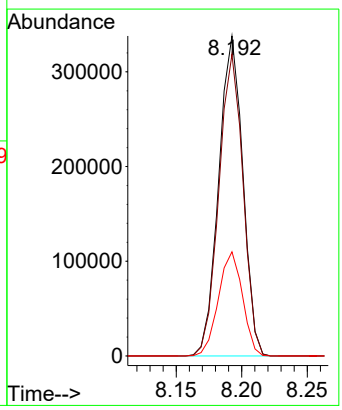


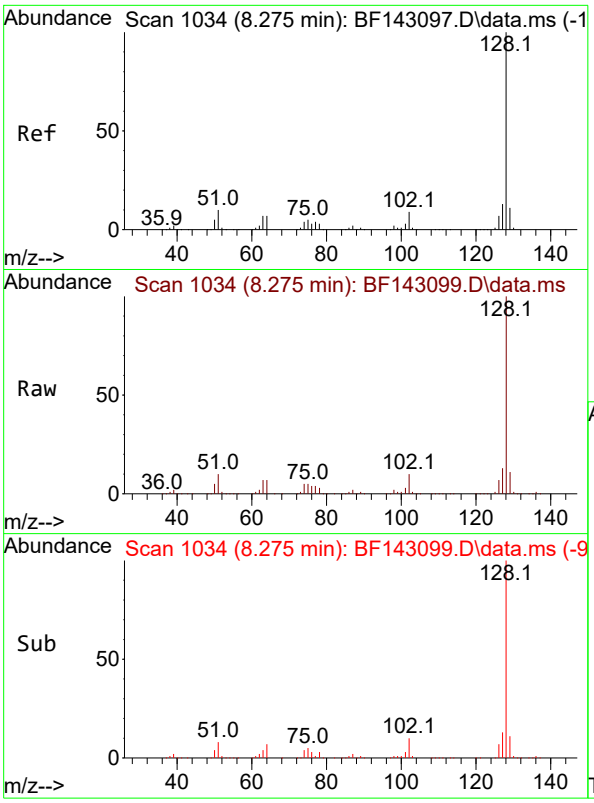


#30
1,2,4-Trichlorobenzene
Concen: 57.913 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:180 Resp: 431427

Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.7	112.1
145	32.6	24.5	36.7

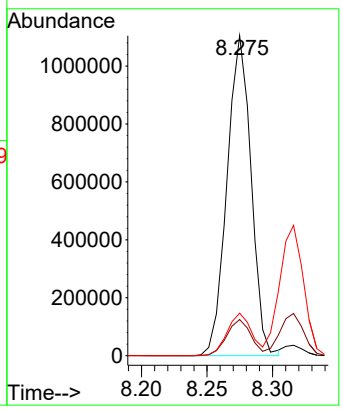




#31
Naphthalene
Concen: 56.612 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:128 Resp: 141050

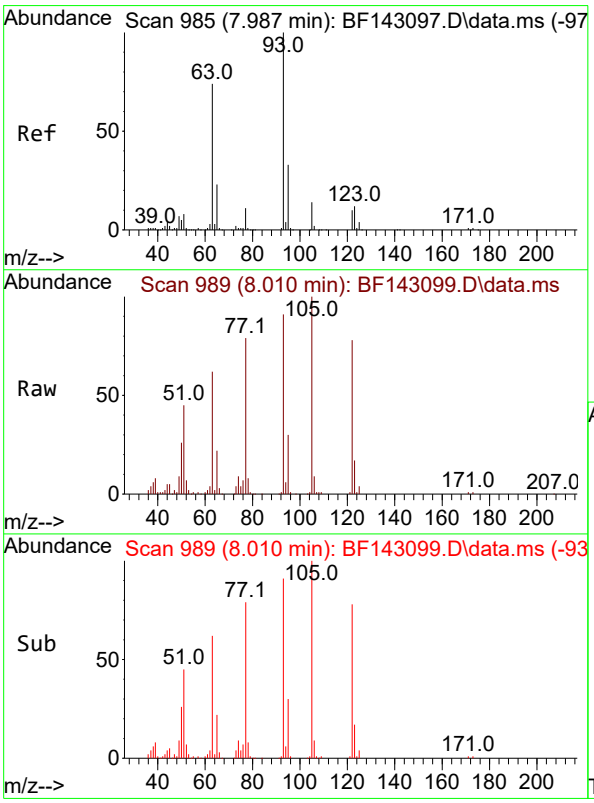
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

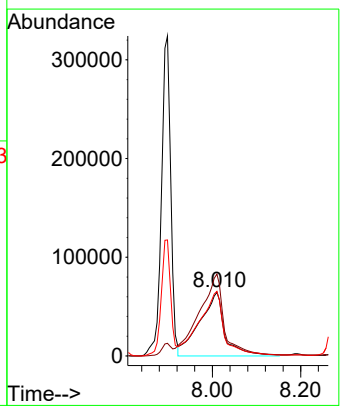
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

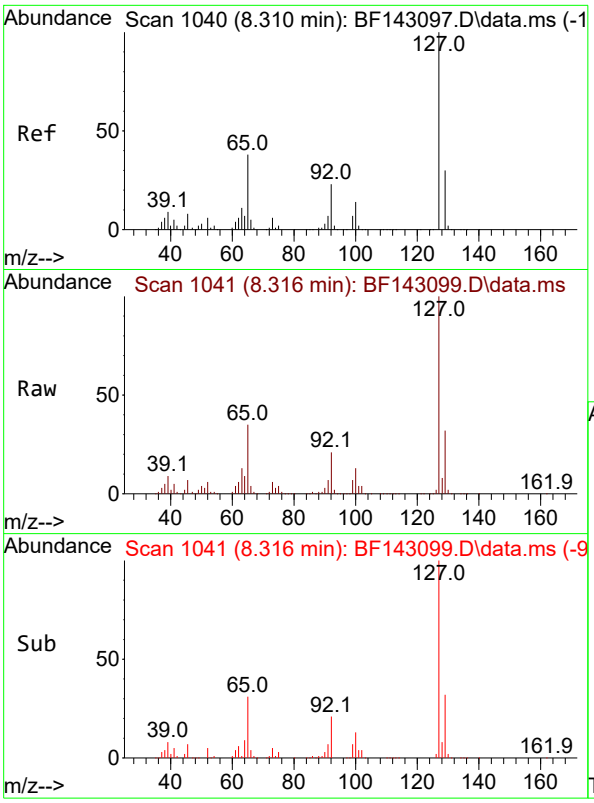


#32
Benzoic acid
Concen: 62.050 ng m
RT: 8.010 min Scan# 989
Delta R.T. 0.023 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:122 Resp: 256755

Ion	Ratio	Lower	Upper
122	100		
105	128.8	105.4	145.4
77	101.6	78.6	118.6

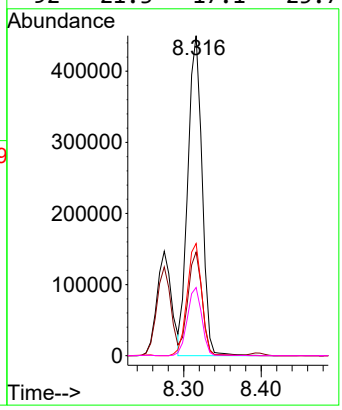




#33
4-Chloroaniline
Concen: 57.309 ng
RT: 8.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:127 Resp: 57419

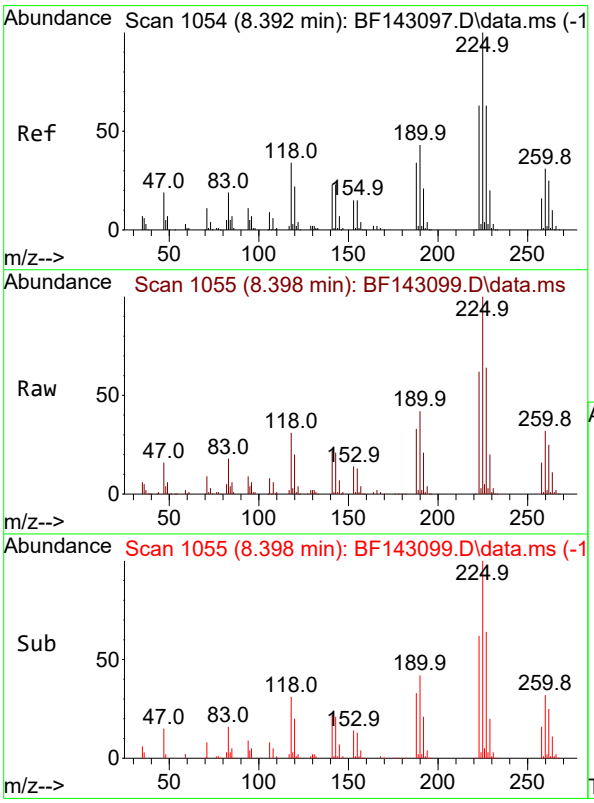
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.2	39.4
65	35.1	28.6	42.8
92	21.3	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

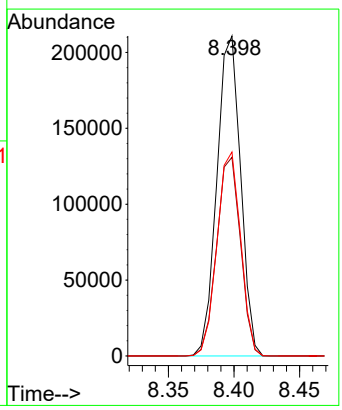
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

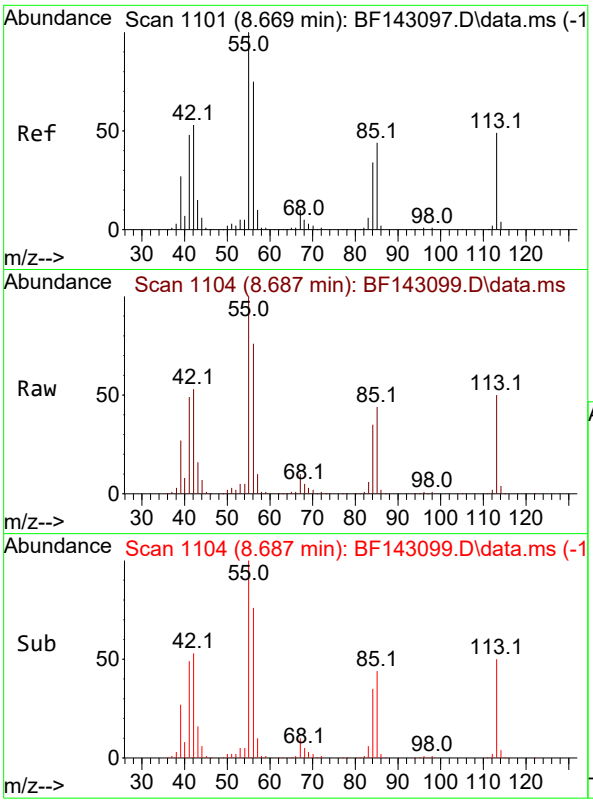


#34
Hexachlorobutadiene
Concen: 59.499 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:225 Resp: 265081

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.3	75.5
227	63.7	50.1	75.1





#35
Caprolactam
Concen: 63.219 ng
RT: 8.687 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

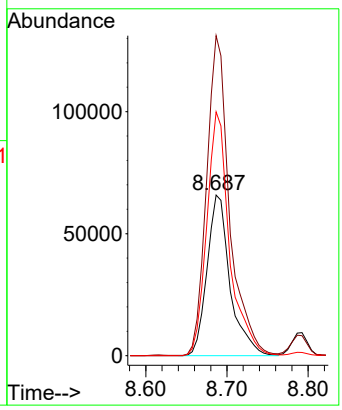
Tgt Ion:113 Resp: 12958

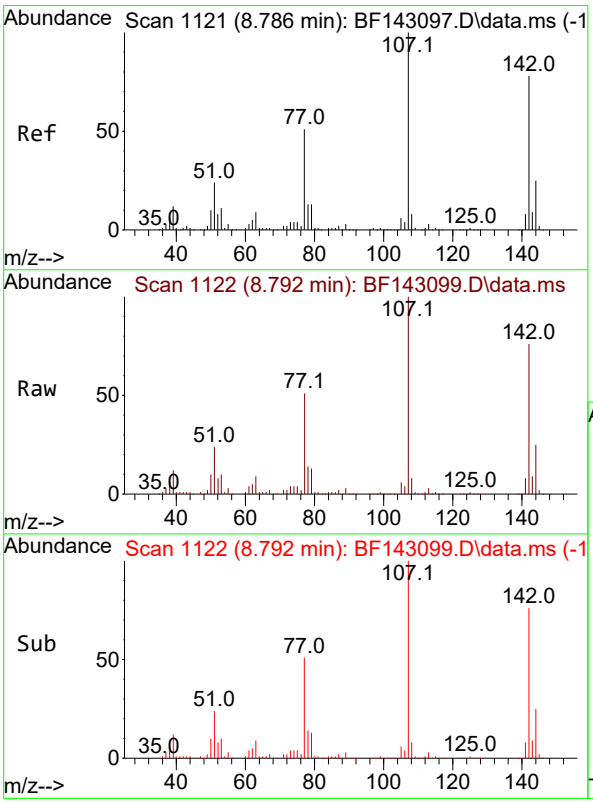
Ion	Ratio	Lower	Upper
113	100		
55	199.1	186.2	226.2
56	151.7	134.1	174.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

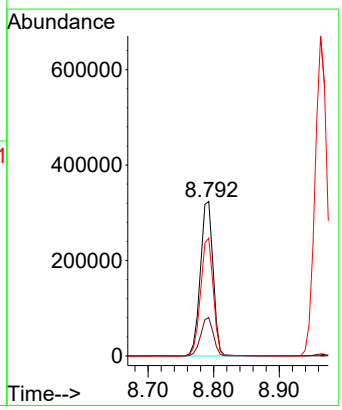


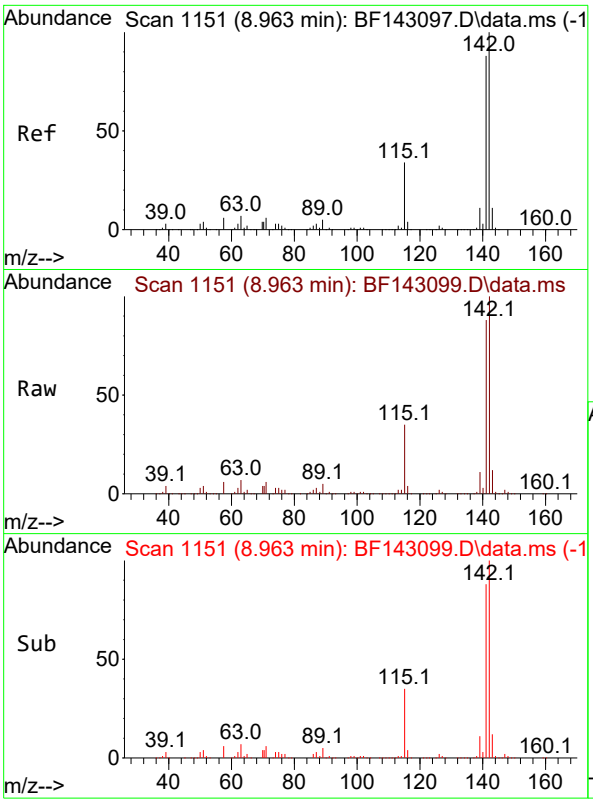


#36
4-Chloro-3-methylphenol
Concen: 60.299 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 440907

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.2	30.2
142	76.3	62.4	93.6

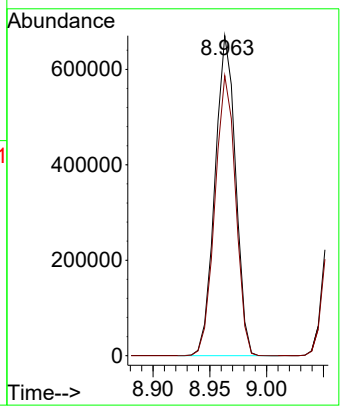




#37
2-Methylnaphthalene
Concen: 56.930 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:142 Resp: 84619

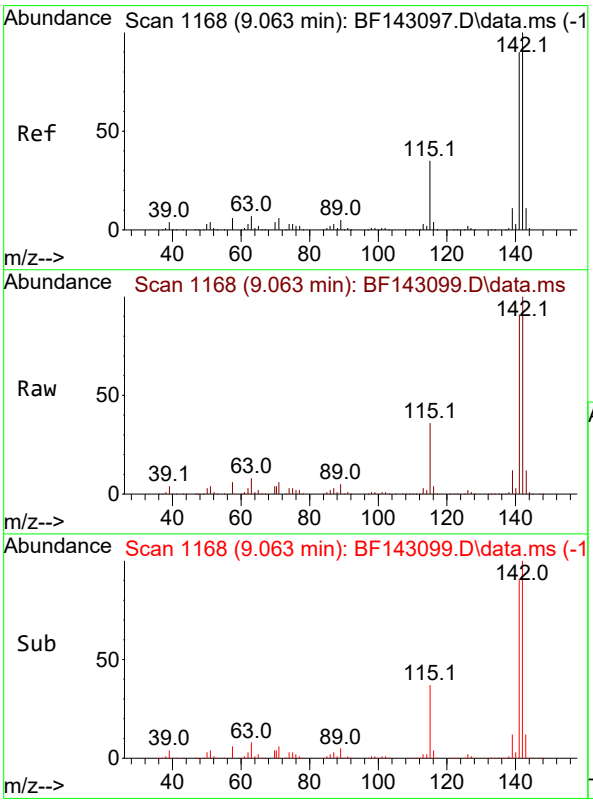
Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.2	105.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

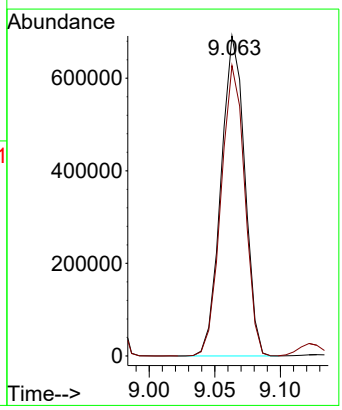
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

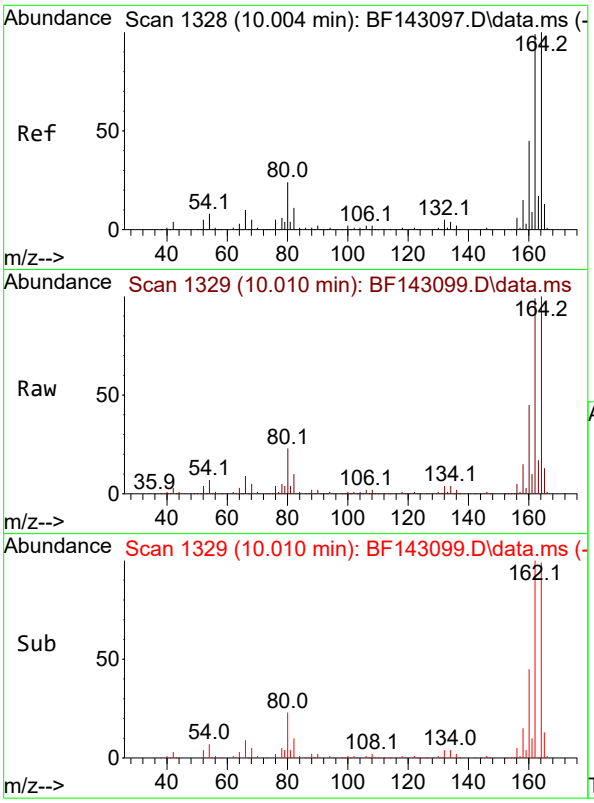


#38
1-Methylnaphthalene
Concen: 56.399 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:142 Resp: 869460

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.4

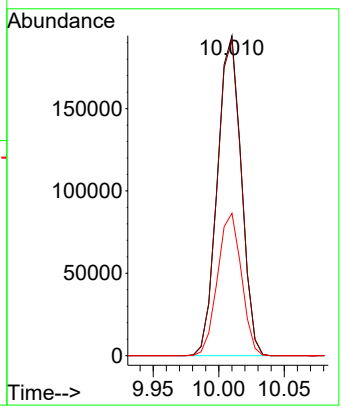




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:164 Resp: 24600

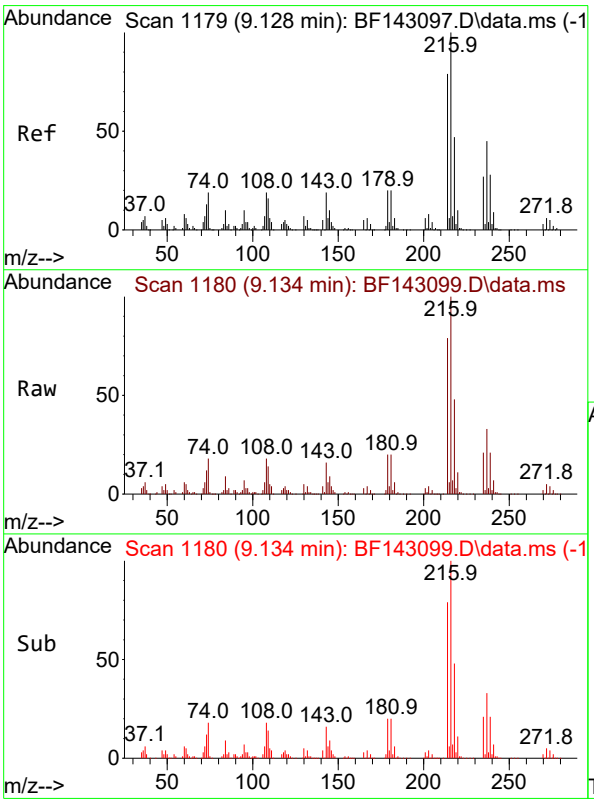
Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.0	118.6
160	44.5	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

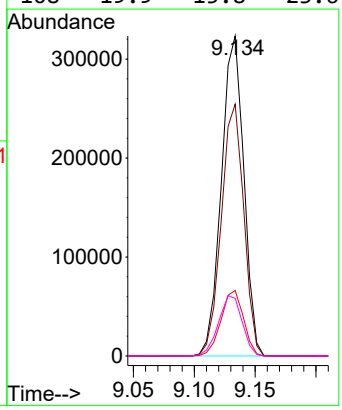
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

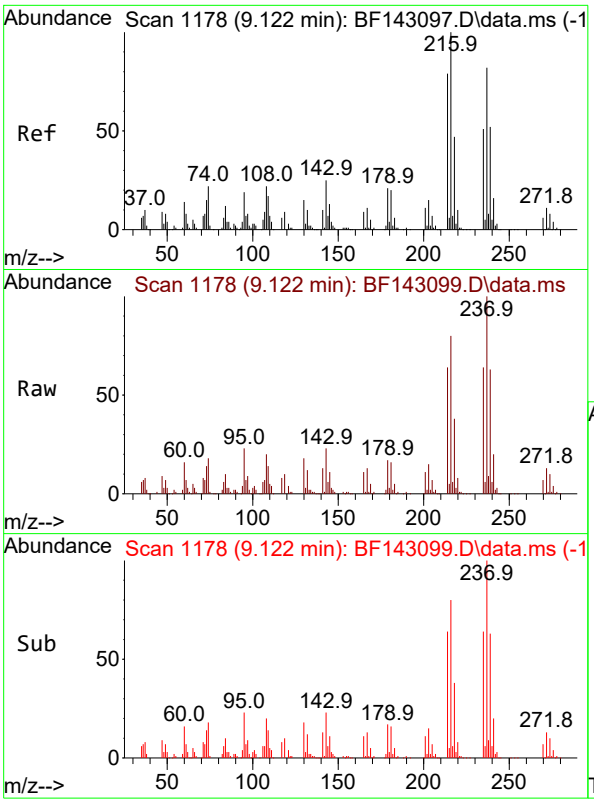


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.762 ng
RT: 9.134 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:216 Resp: 414099

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.6	94.0
179	20.6	16.2	24.2
108	19.9	15.8	23.6





#41
Hexachlorocyclopentadiene
Concen: 66.101 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

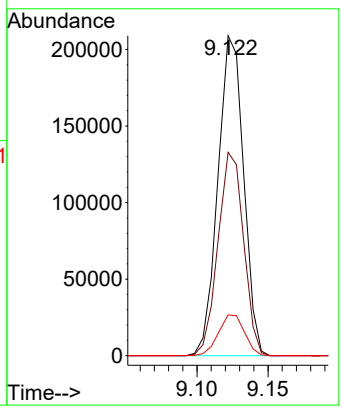
Tgt Ion:237 Resp: 26273

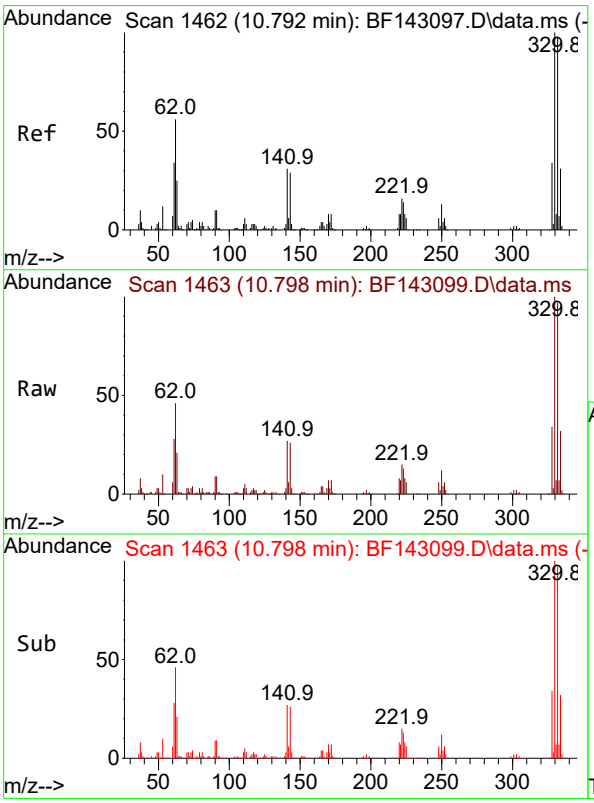
Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.6	81.6
272	12.8	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

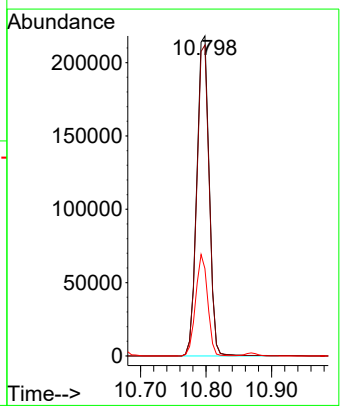


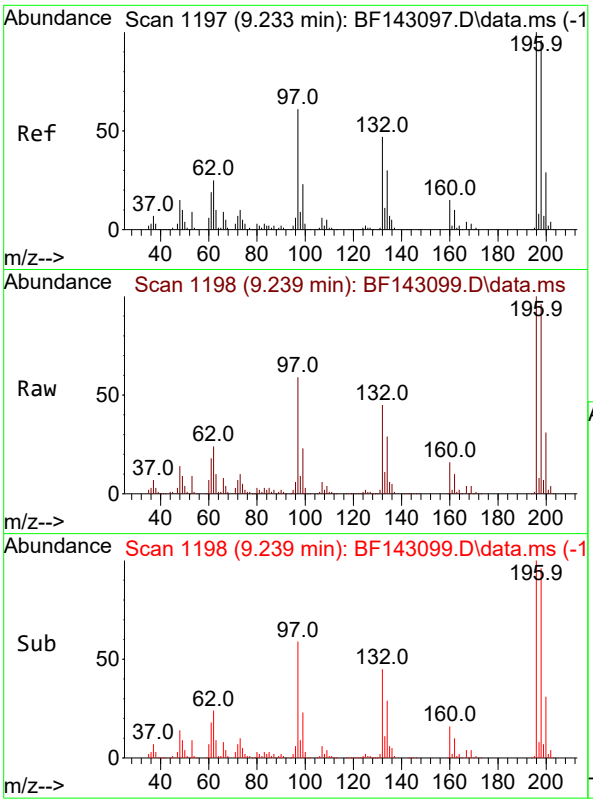


#42
2,4,6-Tribromophenol
Concen: 130.765 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:330 Resp: 286830

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.9	116.9
141	30.8	25.9	38.9

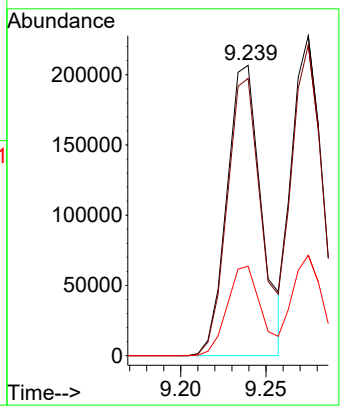




#43
2,4,6-Trichlorophenol
Concen: 65.157 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:196 Resp: 29024

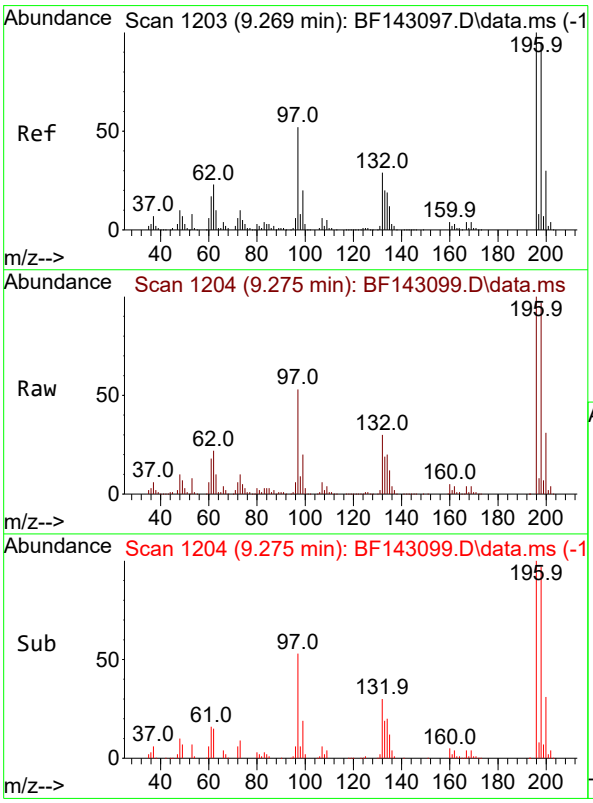
Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.9	115.3
200	30.8	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

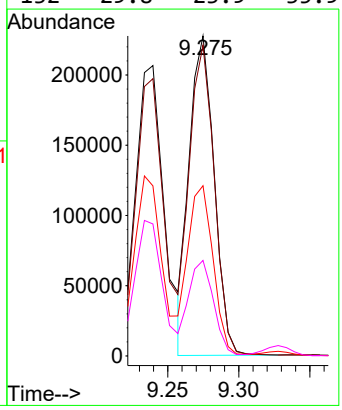
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

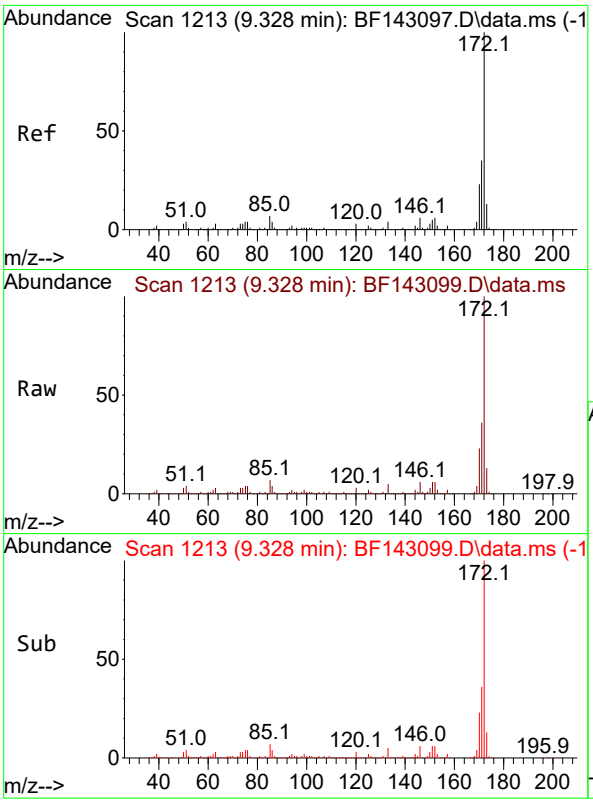


#44
2,4,5-Trichlorophenol
Concen: 59.502 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:196 Resp: 277922

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.4	114.6
97	53.2	42.4	63.6
132	29.8	23.9	35.9

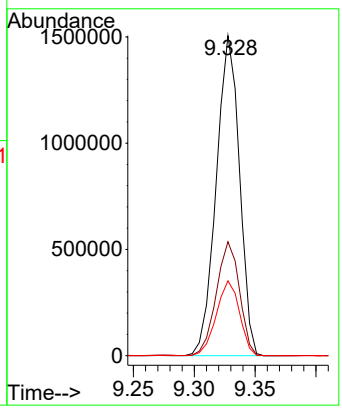




#45
2-Fluorobiphenyl
Concen: 108.050 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:172 Resp: 199961

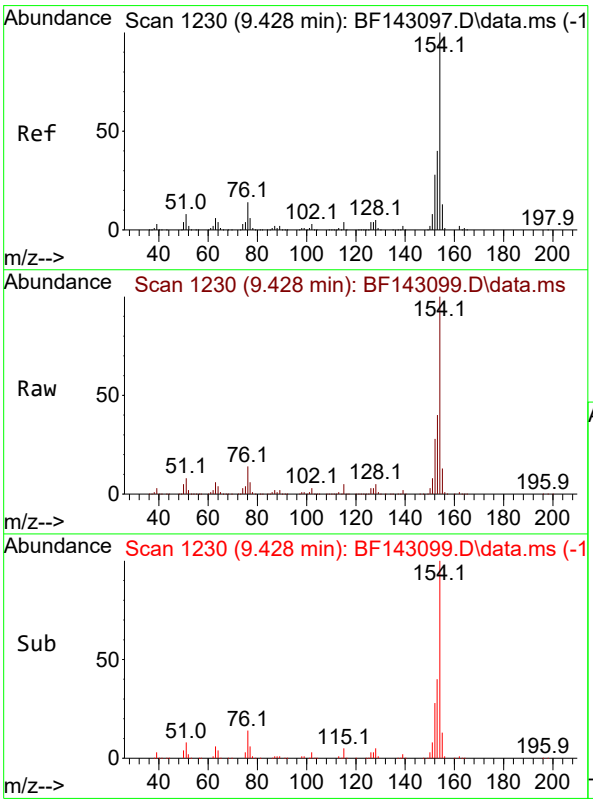
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.4	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

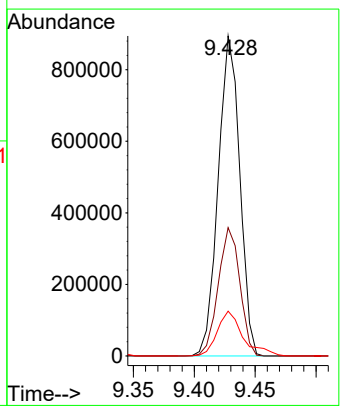
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

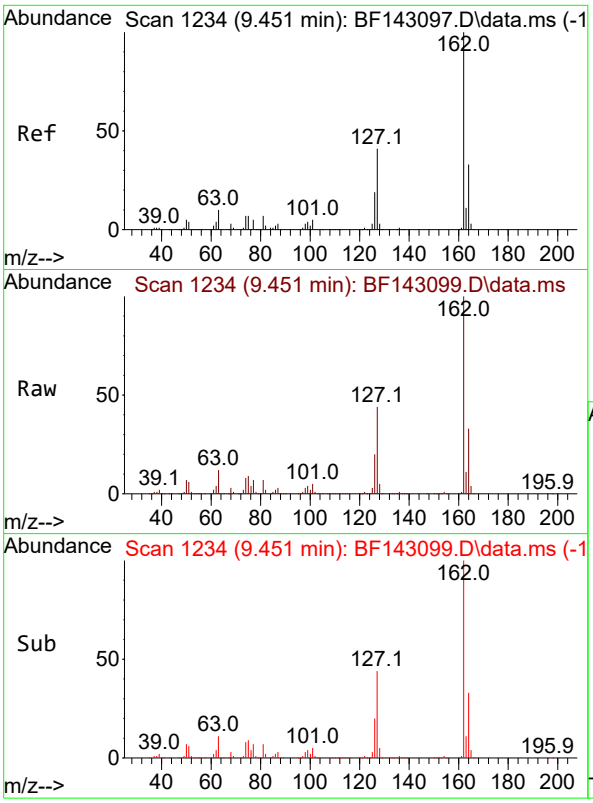


#46
1,1'-Biphenyl
Concen: 56.274 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:154 Resp: 1103990

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	14.0	0.0	33.7

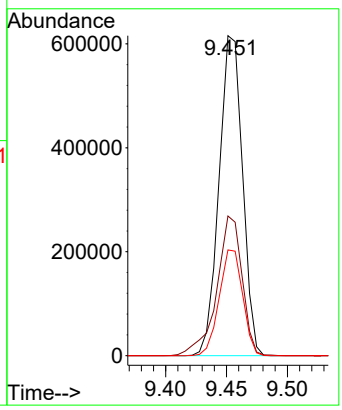




#47
2-Chloronaphthalene
Concen: 57.350 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:162 Resp: 82652

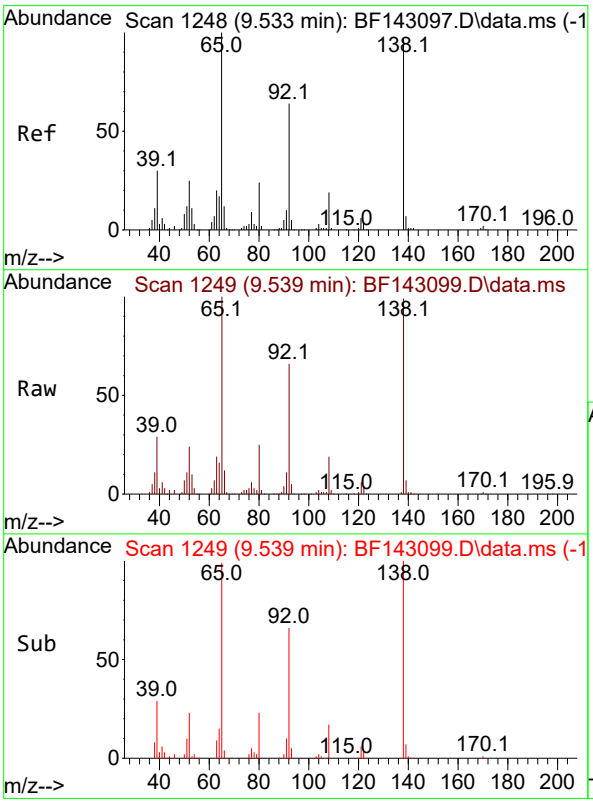
Ion	Ratio	Lower	Upper
162	100		
127	43.7	33.0	49.6
164	33.0	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

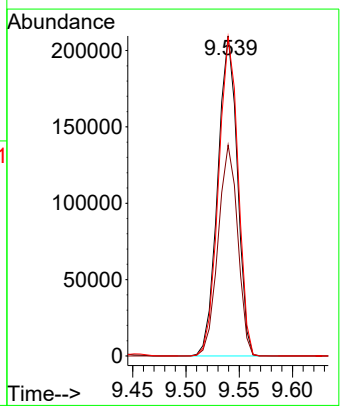
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

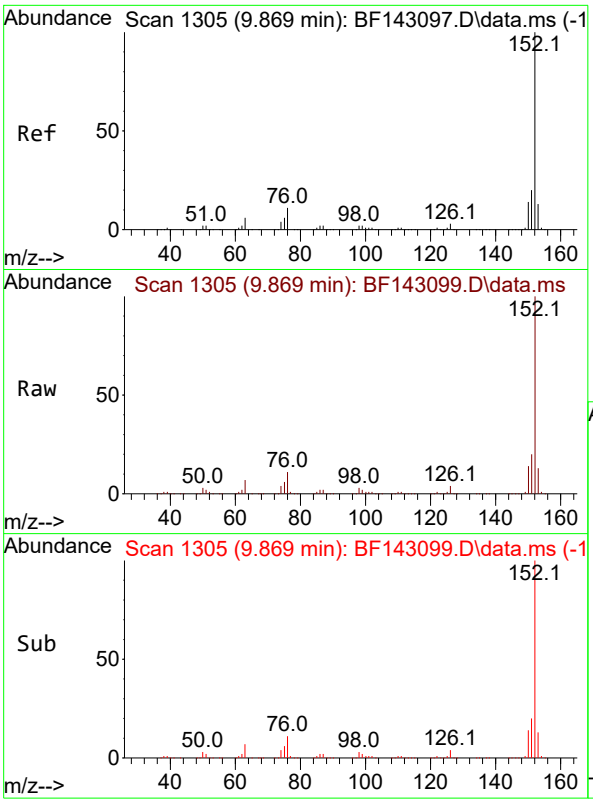


#48
2-Nitroaniline
Concen: 61.259 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 65 Resp: 267636

Ion	Ratio	Lower	Upper
65	100		
92	65.9	51.3	76.9
138	99.5	77.8	116.6

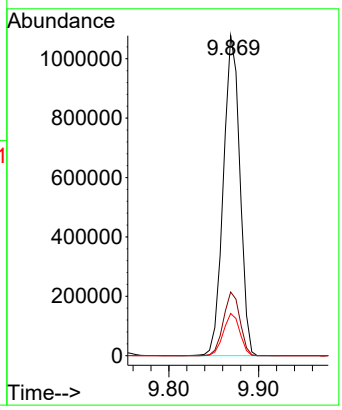




#49
Acenaphthylene
Concen: 57.388 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:152 Resp: 137819

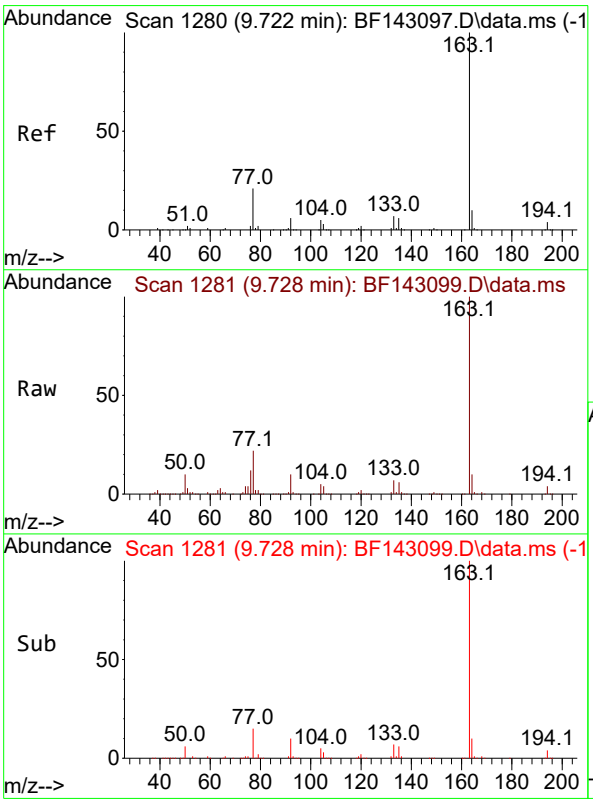
Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.2	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

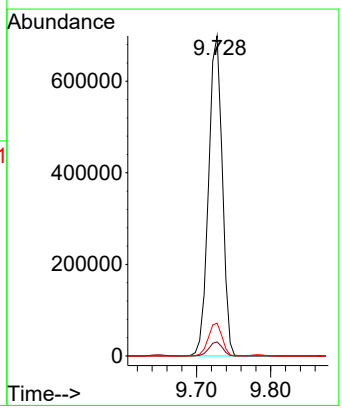
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

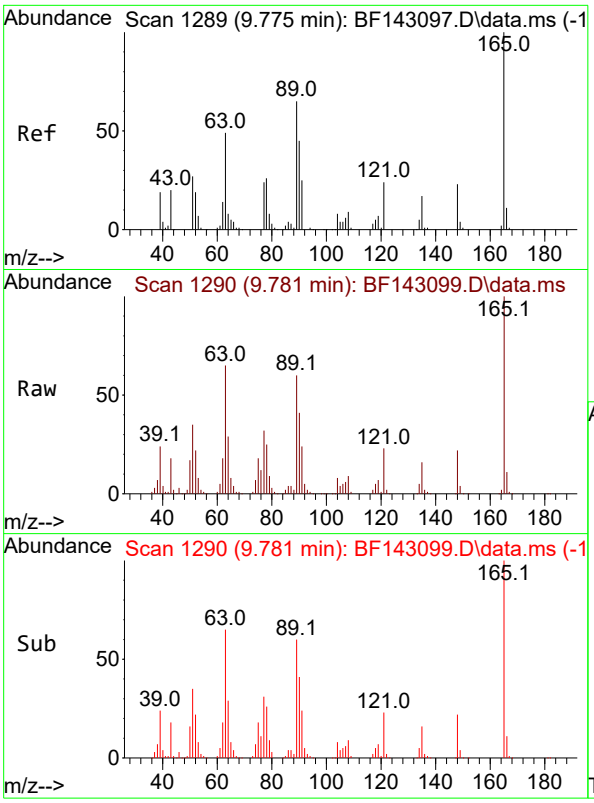


#50
Dimethylphthalate
Concen: 58.118 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:163 Resp: 899456

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 62.287 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

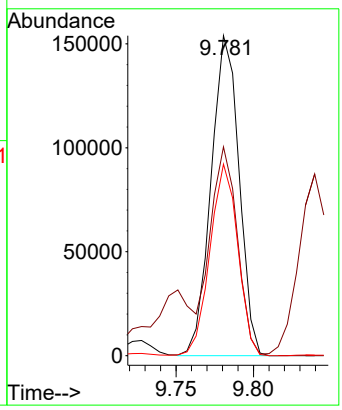
Tgt Ion:165 Resp: 19318

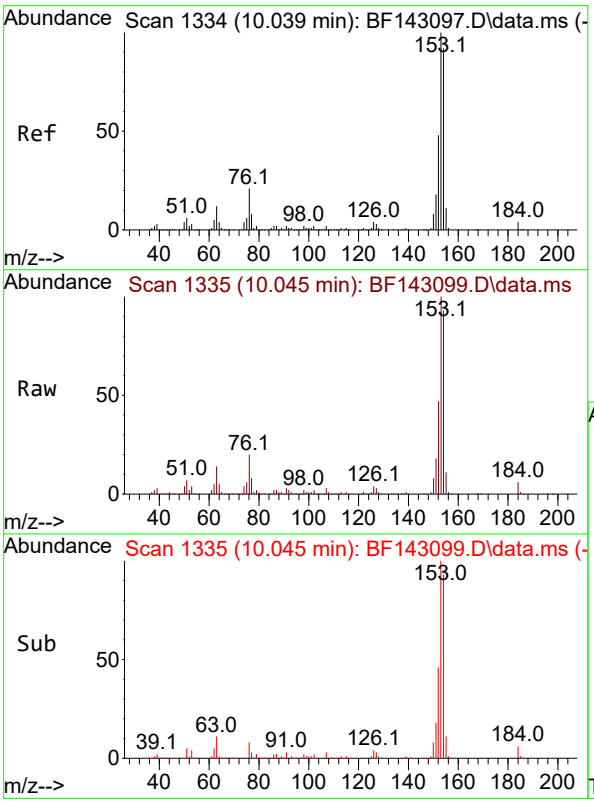
Ion	Ratio	Lower	Upper
165	100		
63	65.2	57.4	86.0
89	59.9	51.8	77.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

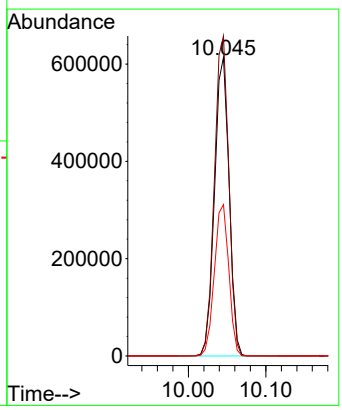


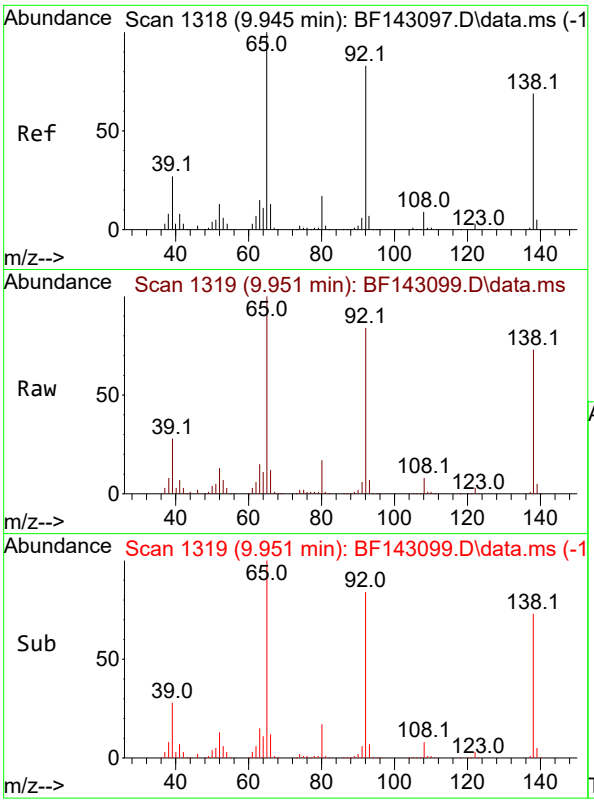


#52
Acenaphthene
Concen: 56.633 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:154 Resp: 802583

Ion	Ratio	Lower	Upper
154	100		
153	107.1	86.7	130.1
152	50.6	41.4	62.2





#53
3-Nitroaniline
Concen: 69.008 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

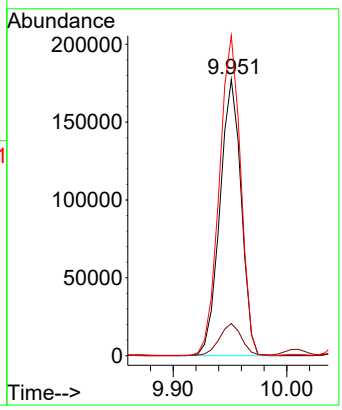
Tgt Ion:138 Resp: 23077

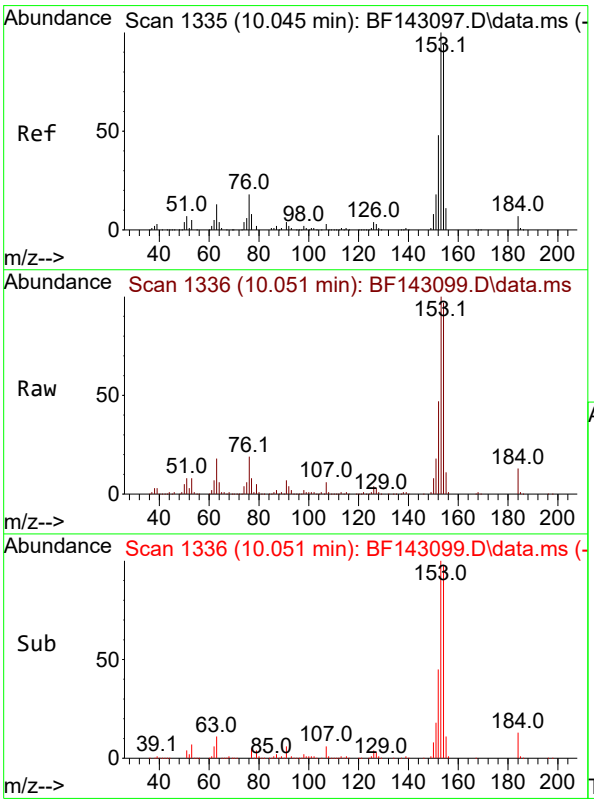
Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.1	15.1
92	115.8	96.4	144.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

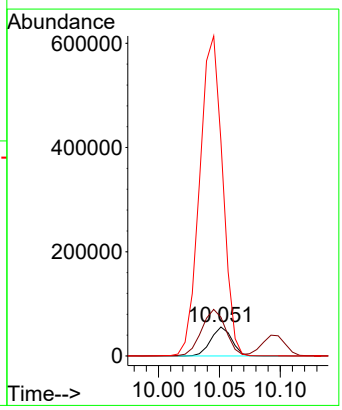


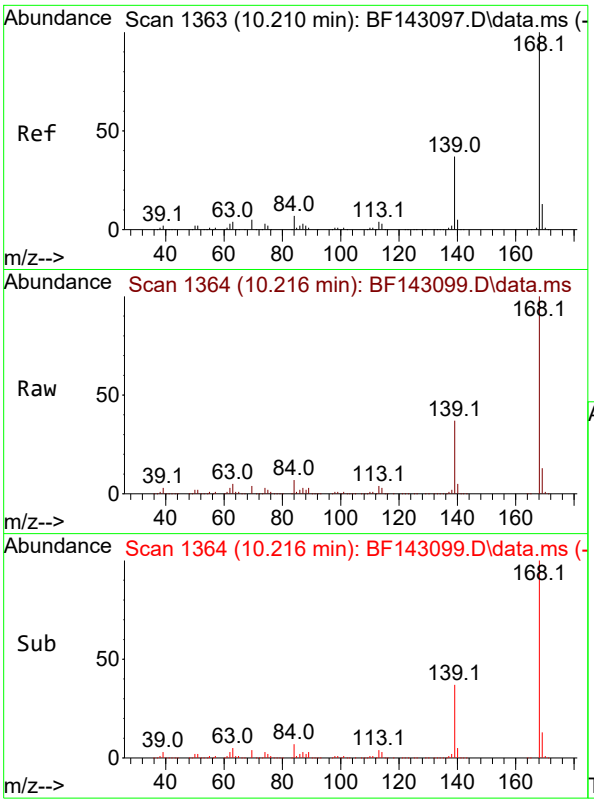


#54
2,4-Dinitrophenol
Concen: 61.314 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:184 Resp: 66479

Ion	Ratio	Lower	Upper
184	100		
63	133.6	149.3	223.9#
154	743.3	1048.0	1572.0#

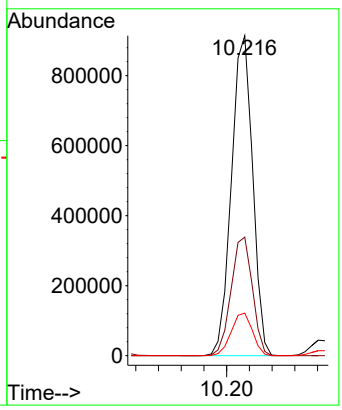




#55
Dibenzofuran
Concen: 56.052 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:168 Resp: 118400

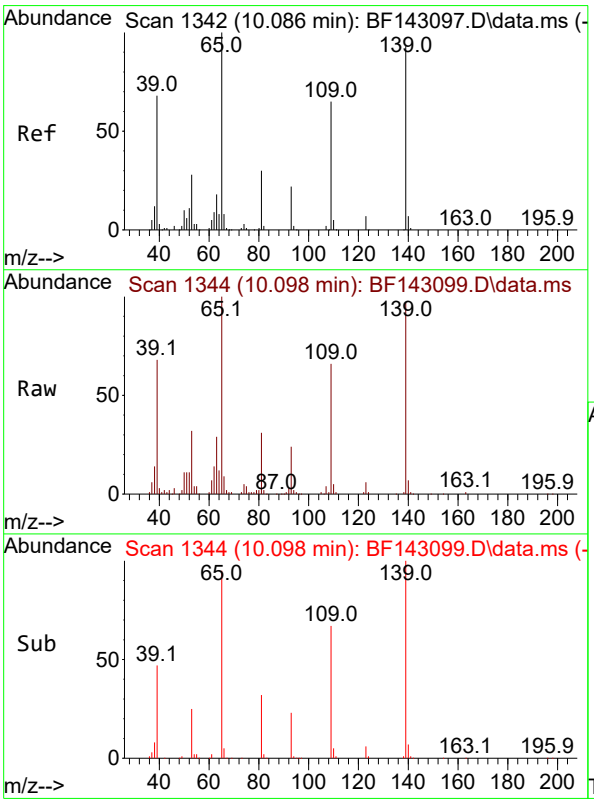
Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.6
169	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

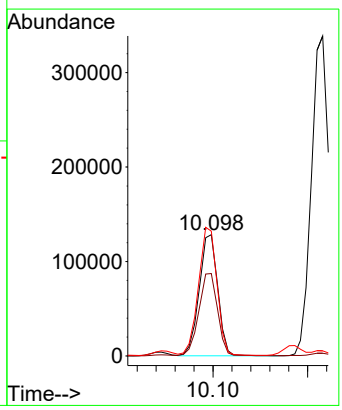
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

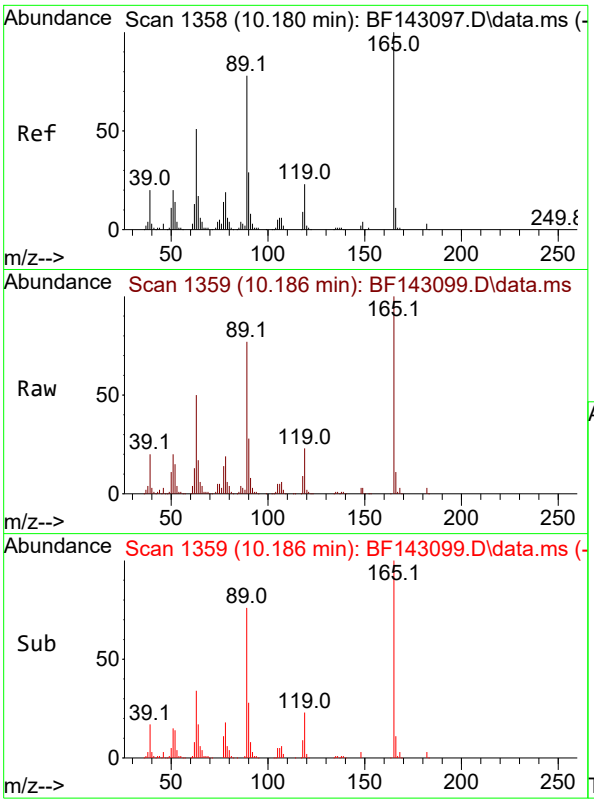


#56
4-Nitrophenol
Concen: 65.716 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 174657

Ion	Ratio	Lower	Upper
139	100		
109	67.9	49.4	89.4
65	102.8	88.2	128.2

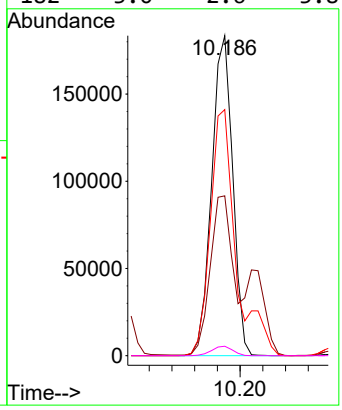




#57
2,4-Dinitrotoluene
Concen: 60.695 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:165 Resp: 23548

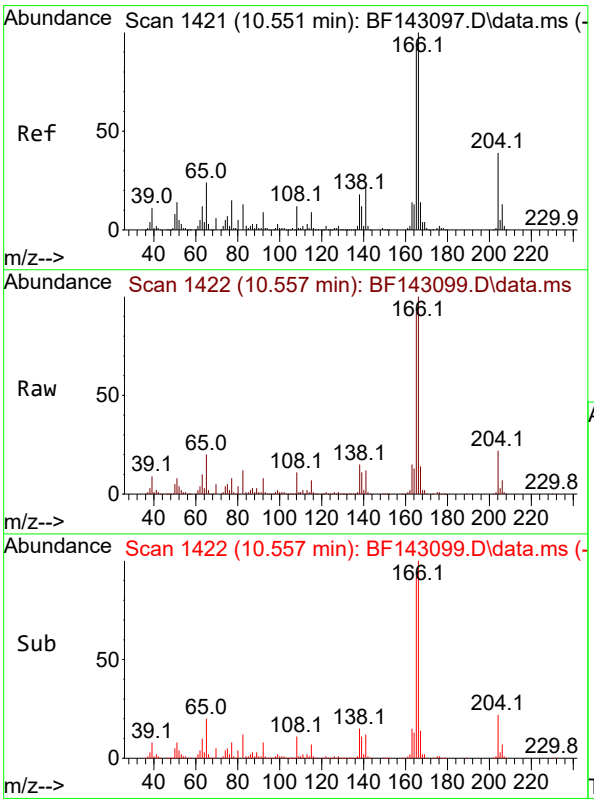
Ion	Ratio	Lower	Upper
165	100		
63	49.9	40.6	61.0
89	76.9	62.3	93.5
182	3.0	2.6	3.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

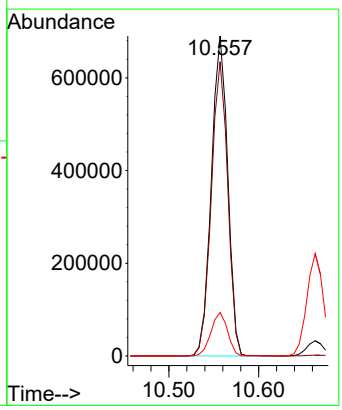
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

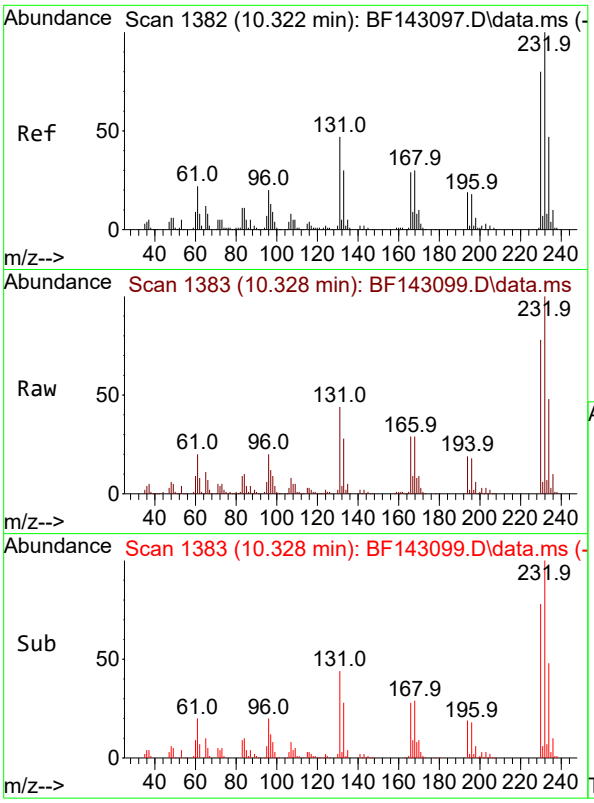


#58
Fluorene
Concen: 55.265 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:166 Resp: 875218

Ion	Ratio	Lower	Upper
166	100		
165	91.9	73.7	110.5
167	13.6	10.9	16.3

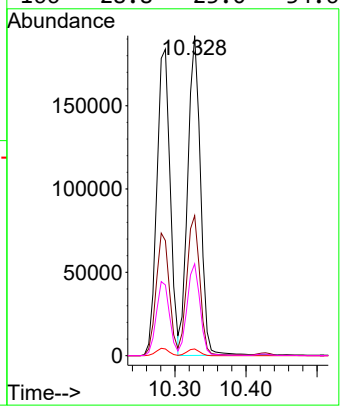




#59
2,3,4,6-Tetrachlorophenol
Concen: 64.235 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:232 Resp: 23842

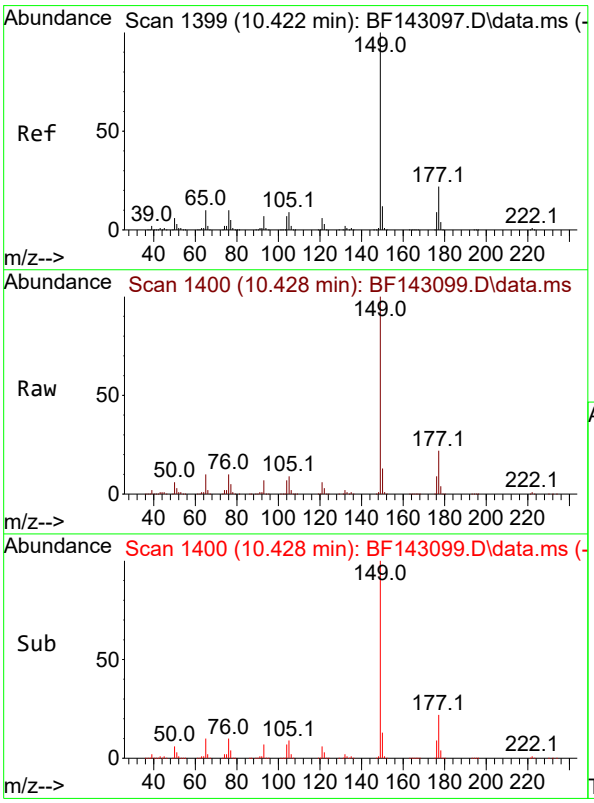
Ion	Ratio	Lower	Upper
232	100		
131	43.9	36.9	55.3
130	2.1	1.8	2.8
166	28.8	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

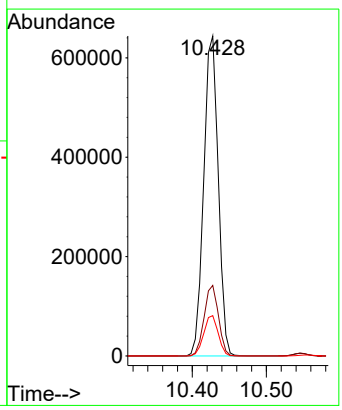
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

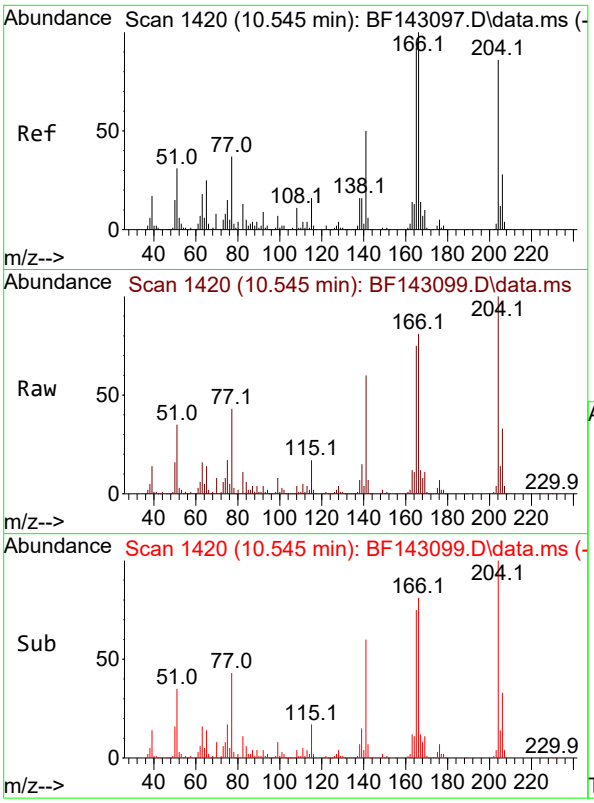


#60
Diethylphthalate
Concen: 58.672 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 876047

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.3	25.9
150	12.6	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 57.000 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

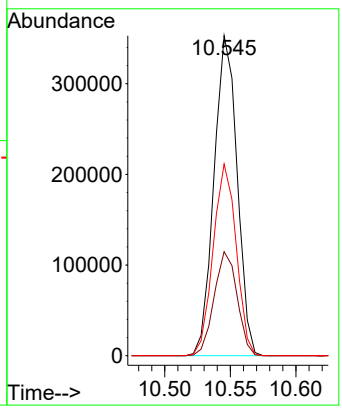
Tgt Ion:204 Resp: 43265

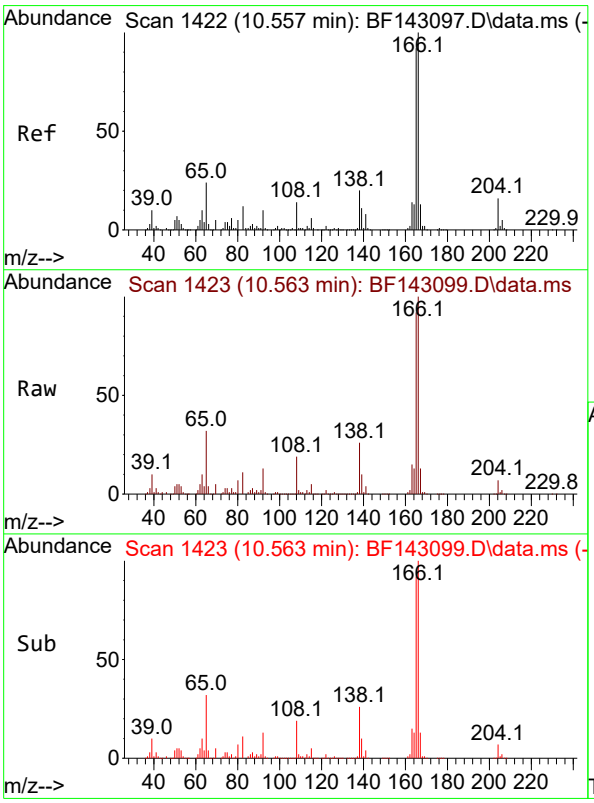
Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	59.9	46.8	70.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

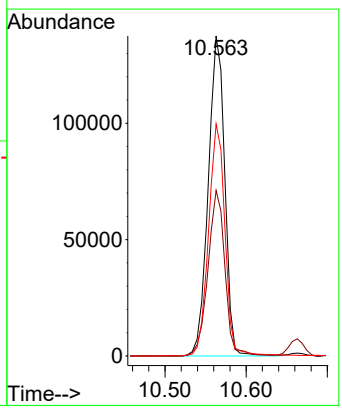


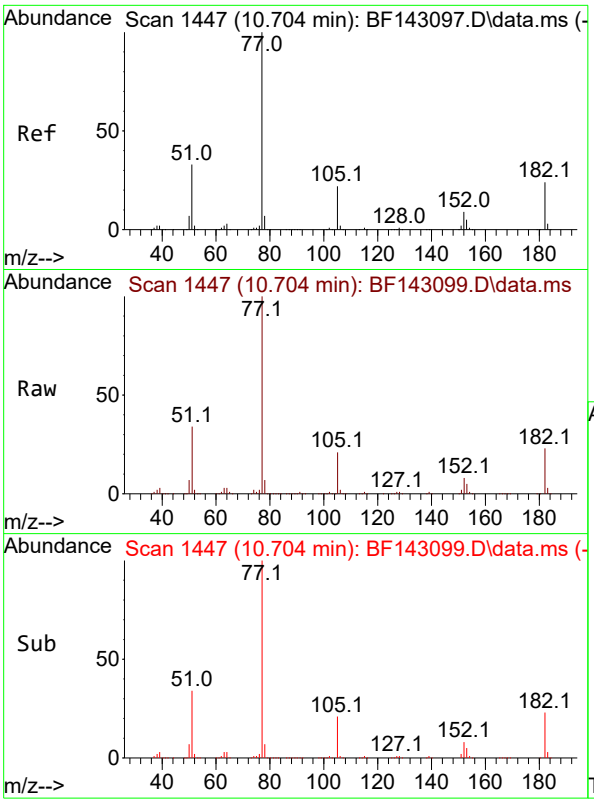


#62
4-Nitroaniline
Concen: 66.802 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:138 Resp: 194271

Ion	Ratio	Lower	Upper
138	100		
92	51.7	30.4	70.4
108	72.5	49.5	89.5

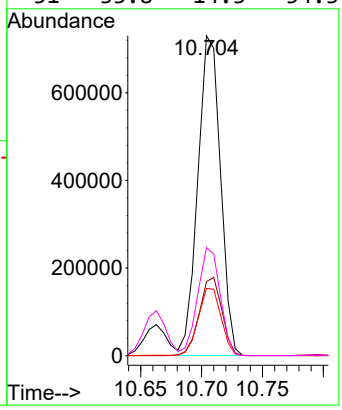




#63
Azobenzene
Concen: 57.300 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 94620

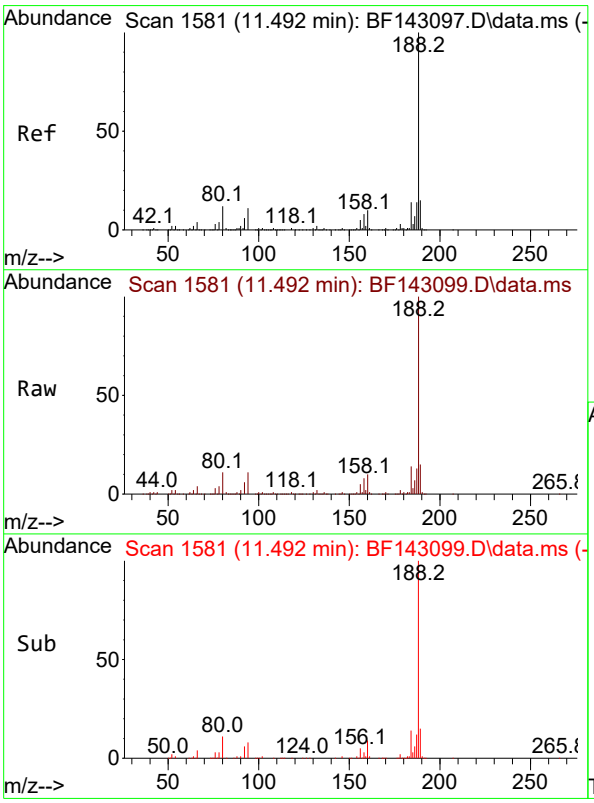
Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.0	44.0
105	21.1	1.4	41.4
51	33.8	14.3	54.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

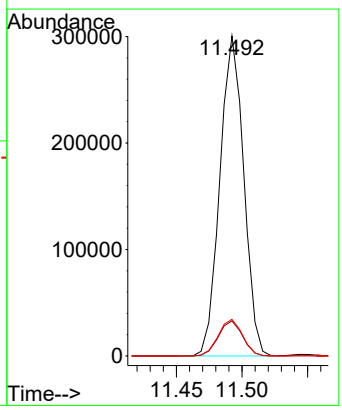
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

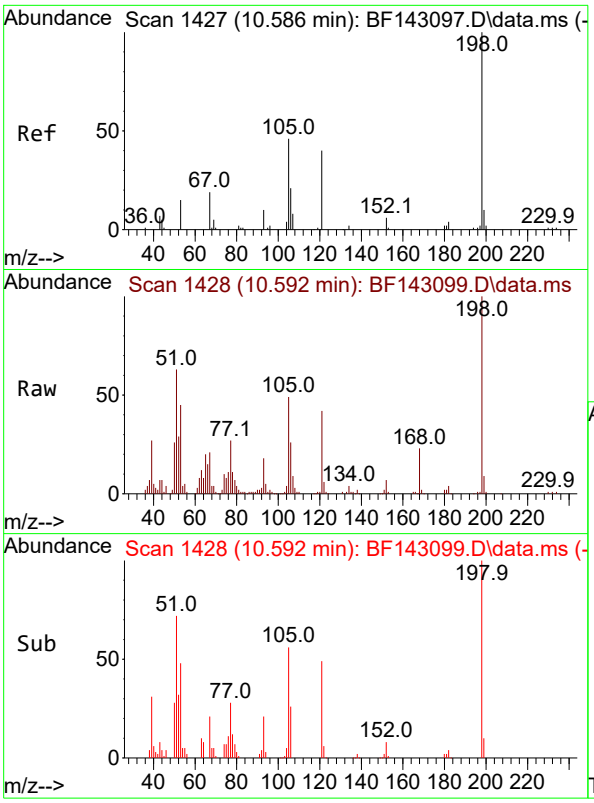


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:188 Resp: 380313

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	11.4	9.3	13.9

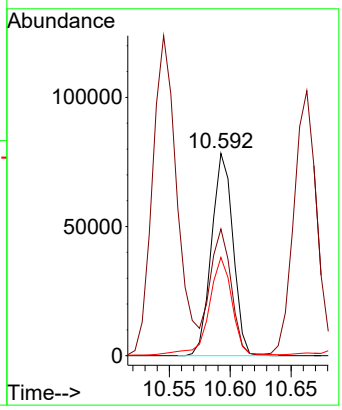




#65
4,6-Dinitro-2-methylphenol
Concen: 62.285 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:198 Resp: 9630

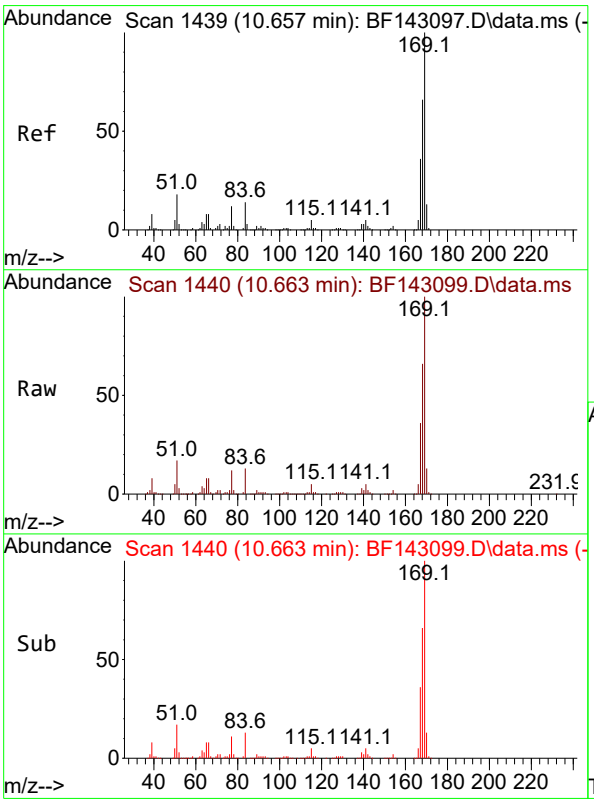
Ion	Ratio	Lower	Upper
198	100		
51	62.6	44.6	84.6
105	48.6	29.3	69.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

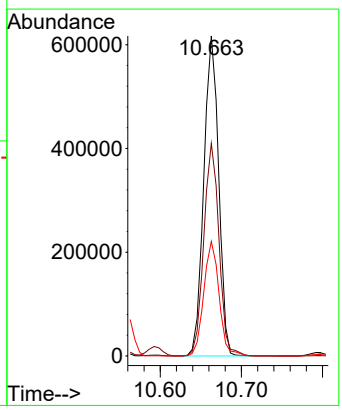
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

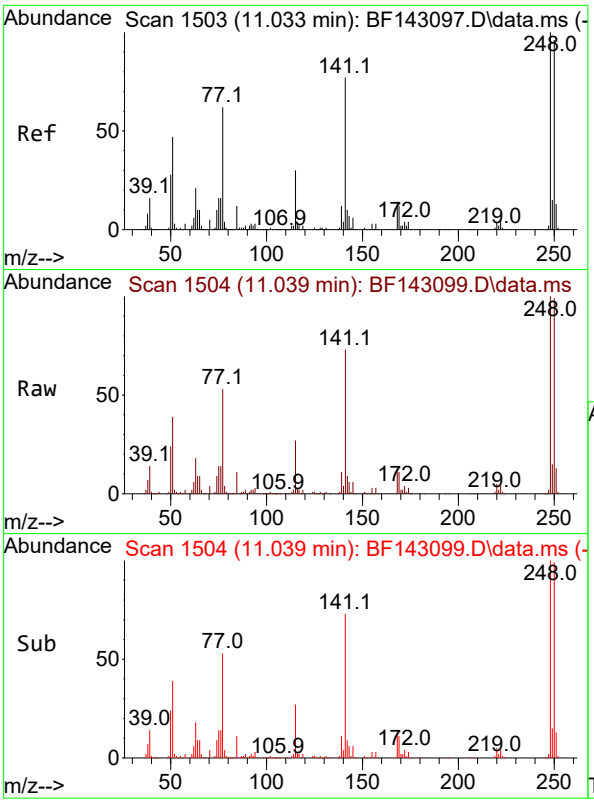


#66
n-Nitrosodiphenylamine
Concen: 58.469 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:169 Resp: 781087

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	35.8	28.4	42.6

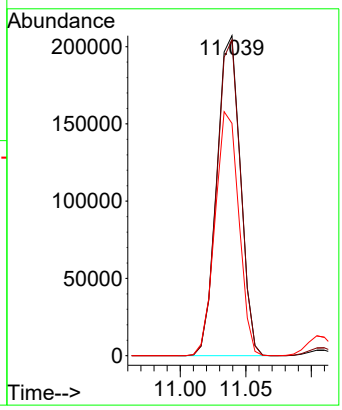




#67
4-Bromophenyl-phenylether
Concen: 60.229 ng
RT: 11.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:248 Resp: 26049

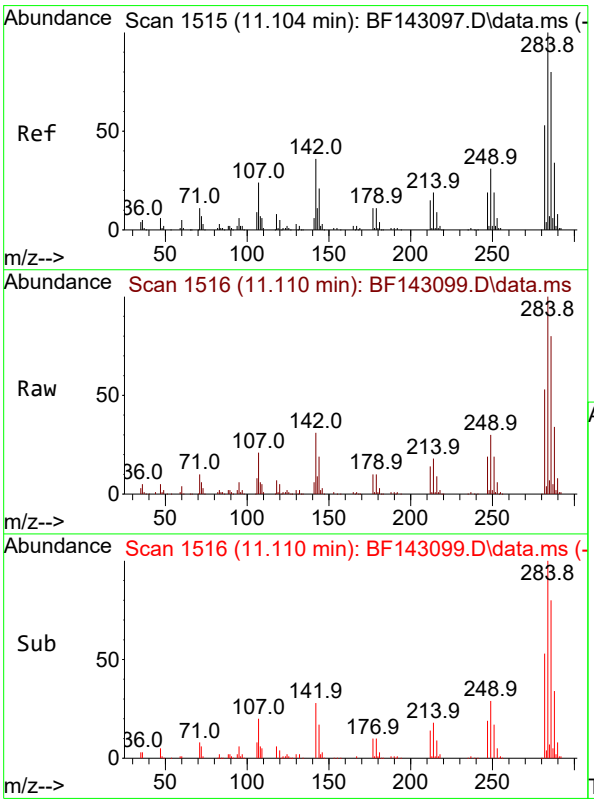
Ion	Ratio	Lower	Upper
248	100		
250	98.7	76.7	115.1
141	72.6	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

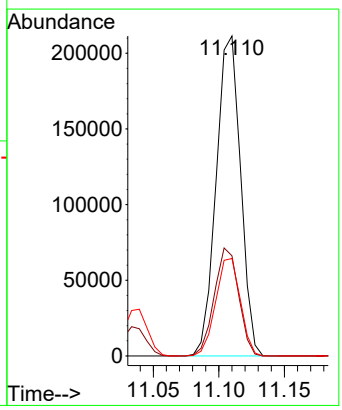
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

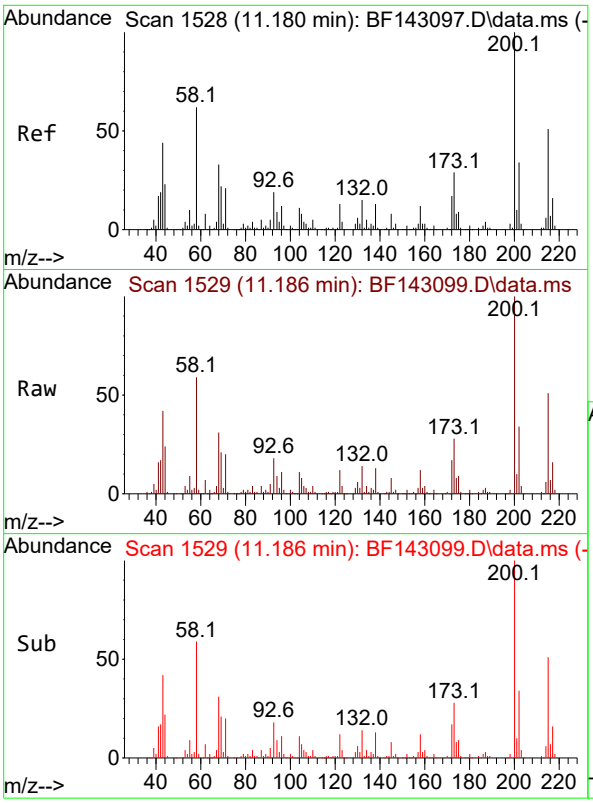


#68
Hexachlorobenzene
Concen: 59.515 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:284 Resp: 273112

Ion	Ratio	Lower	Upper
284	100		
142	31.3	28.9	43.3
249	30.5	24.6	37.0

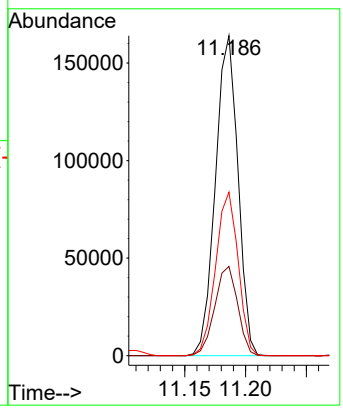




#69
Atrazine
Concen: 61.838 ng
RT: 11.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:200 Resp: 21135

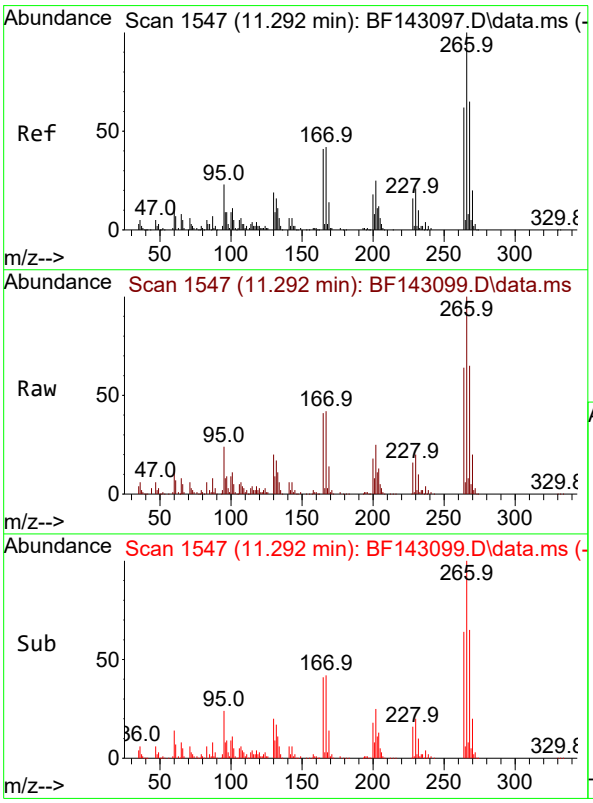
Ion	Ratio	Lower	Upper
200	100		
173	27.9	9.1	49.1
215	51.1	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

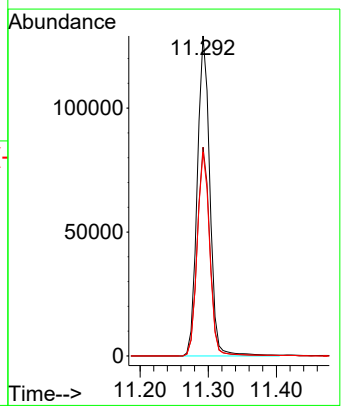
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

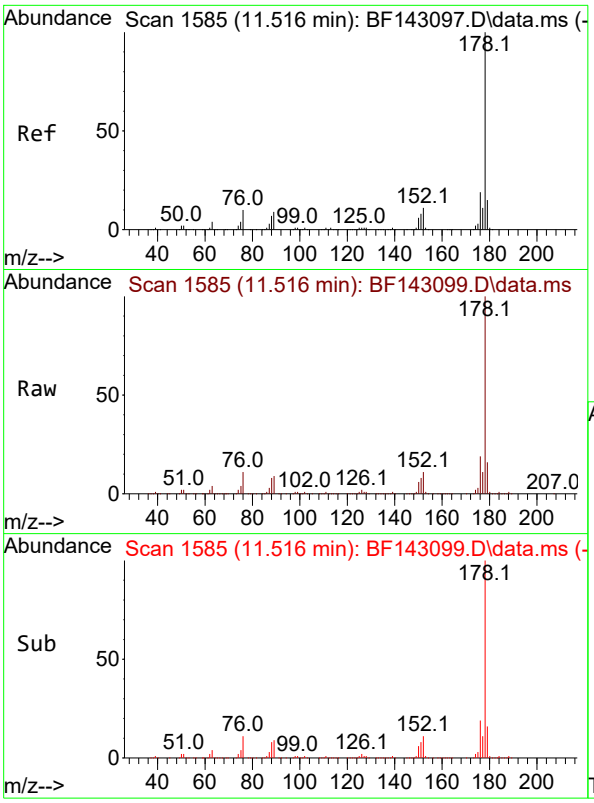


#70
Pentachlorophenol
Concen: 65.805 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:266 Resp: 165676

Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.8	77.6
264	63.7	49.7	74.5

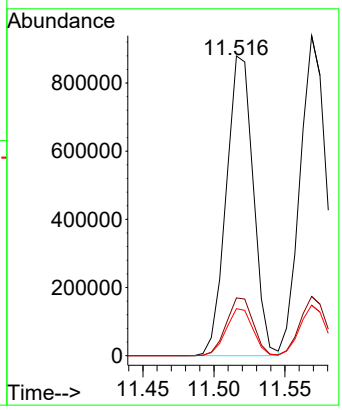




#71
Phenanthrene
Concen: 56.762 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:178 Resp: 116504

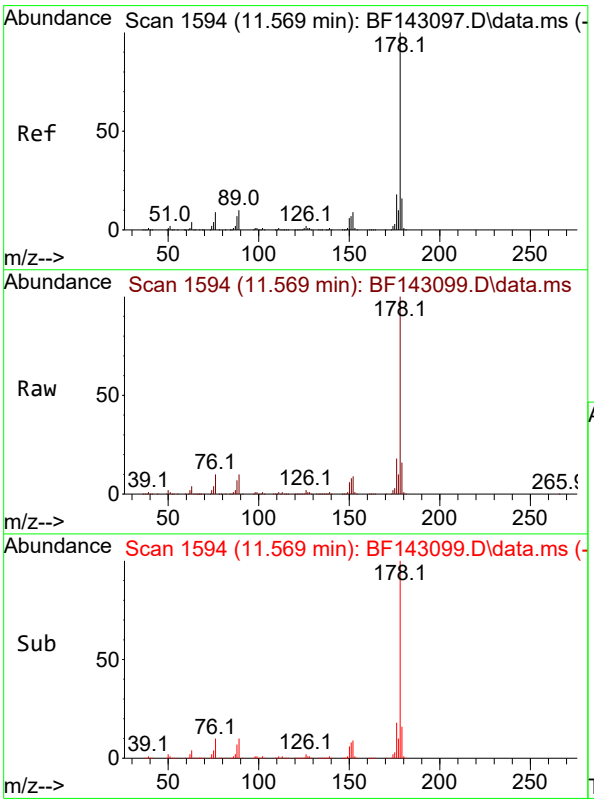
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.7	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

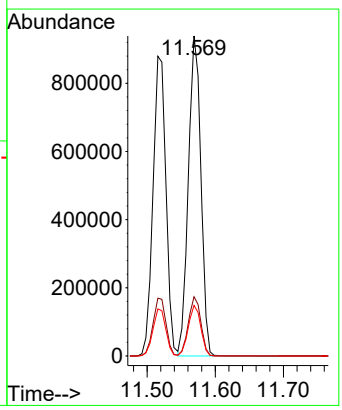
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

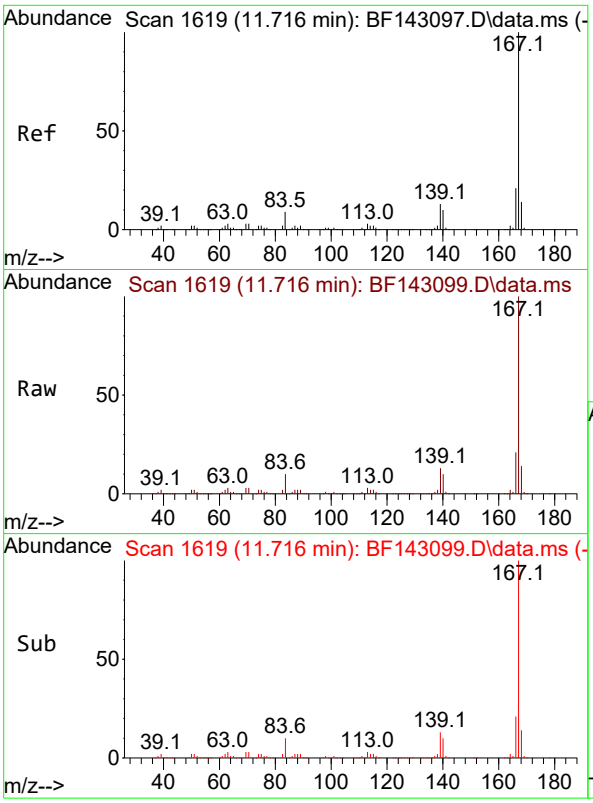


#72
Anthracene
Concen: 57.589 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:178 Resp: 1188635

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.8	12.4	18.6

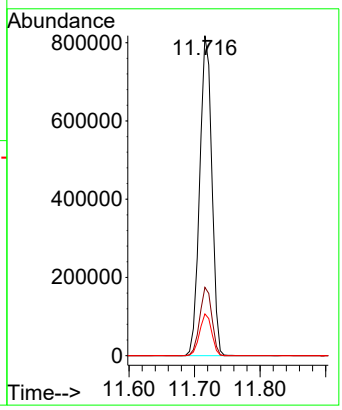




#73
Carbazole
Concen: 57.179 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:167 Resp: 105729

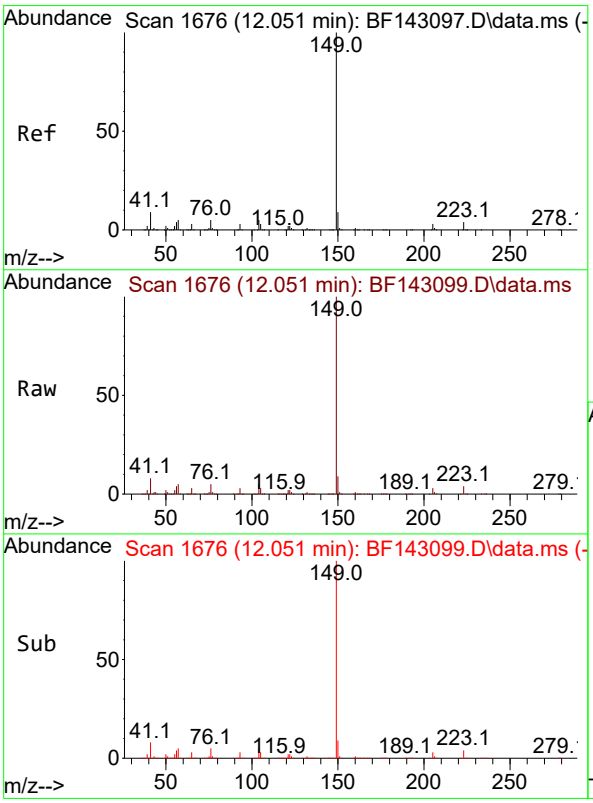
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.1	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

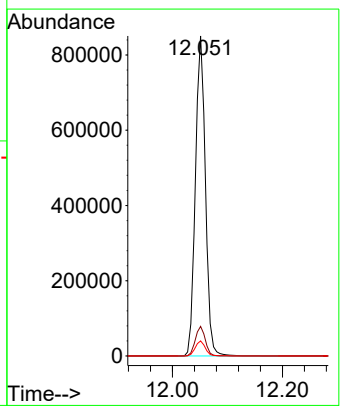
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

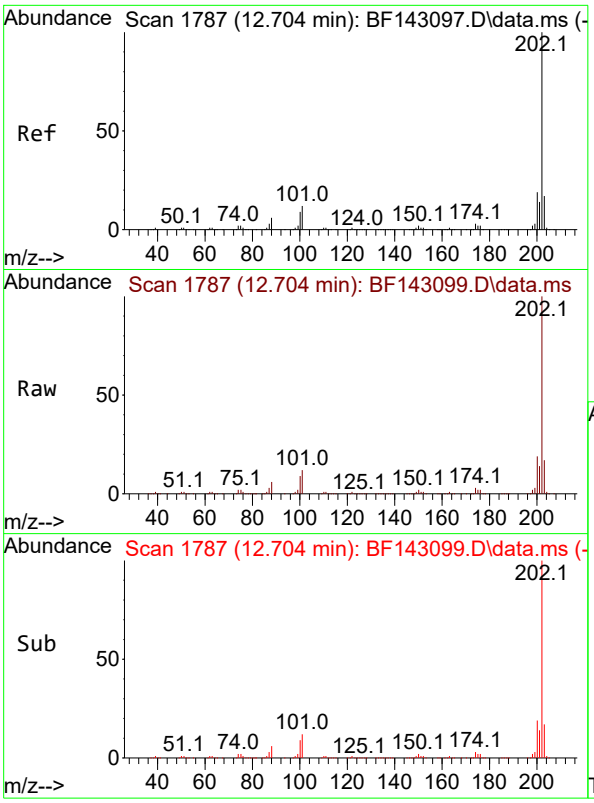


#74
Di-n-butylphthalate
Concen: 63.291 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 1074246

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.8

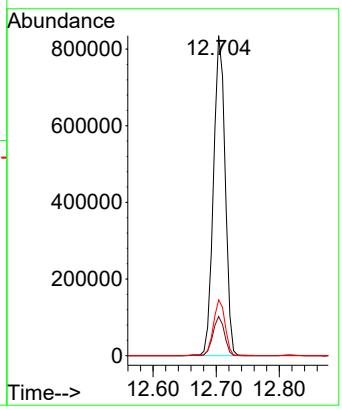




#75
Fluoranthene
Concen: 57.328 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:202 Resp: 106989

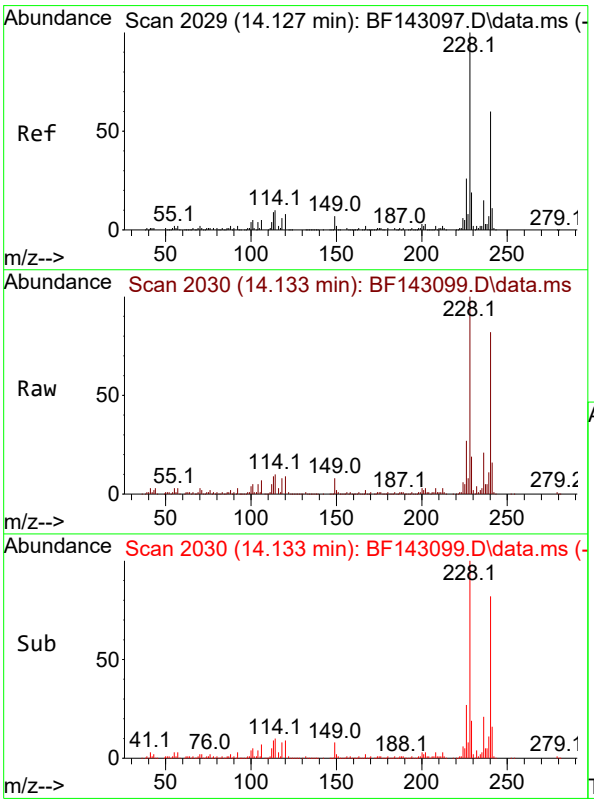
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.4
203	17.4	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

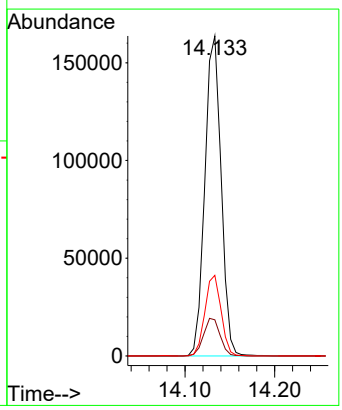
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

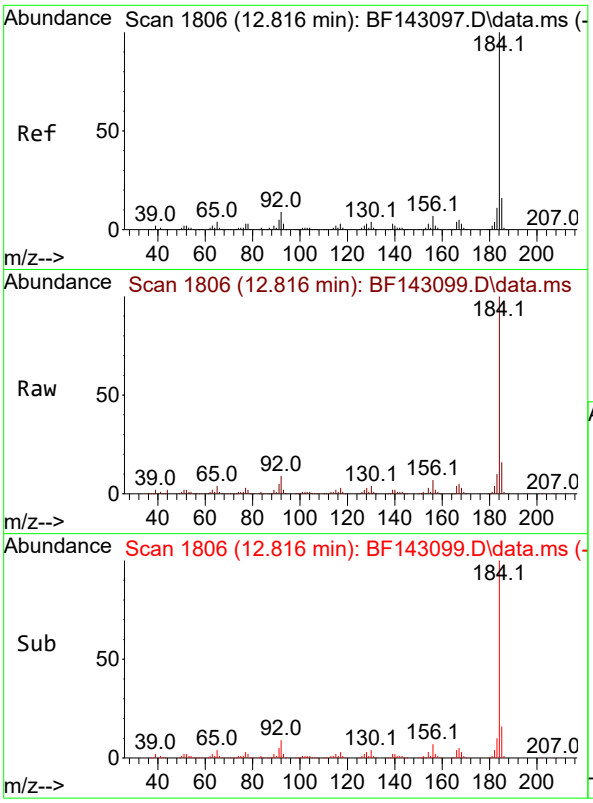


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:240 Resp: 205942

Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.0	15.0
236	25.2	20.0	30.0

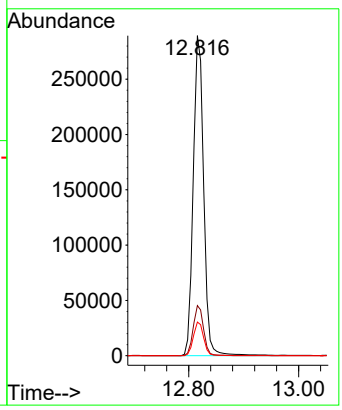




#77
Benzidine
Concen: 54.244 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:184 Resp: 38058

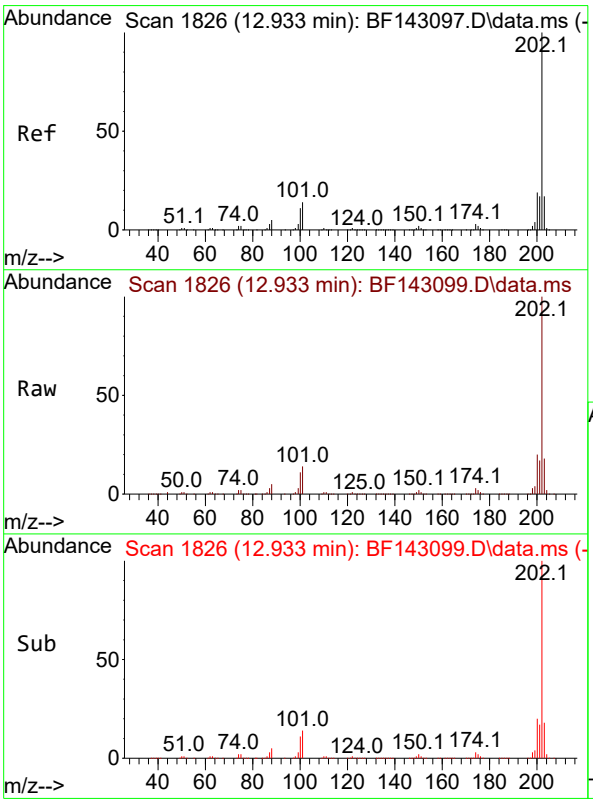
Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.4	18.6
183	10.5	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

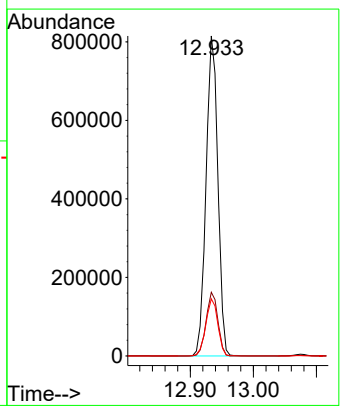
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

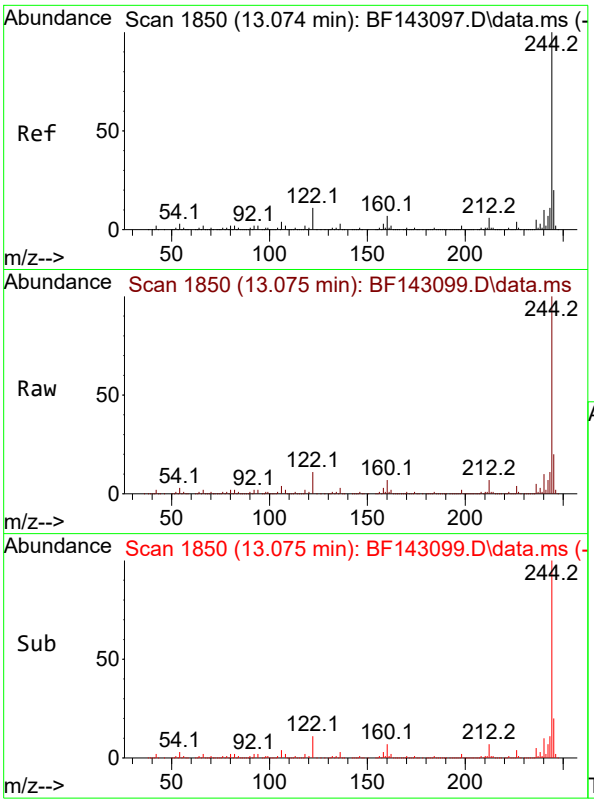


#78
Pyrene
Concen: 55.485 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:202 Resp: 1060216

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.5	23.3
203	17.8	14.0	21.0

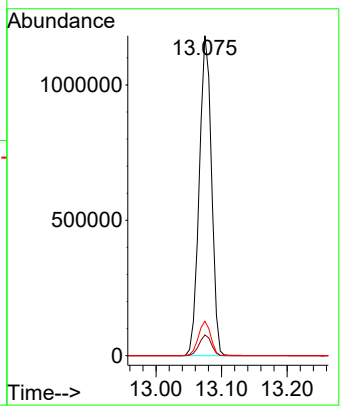




#79
Terphenyl-d14
Concen: 109.260 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:244 Resp: 153927

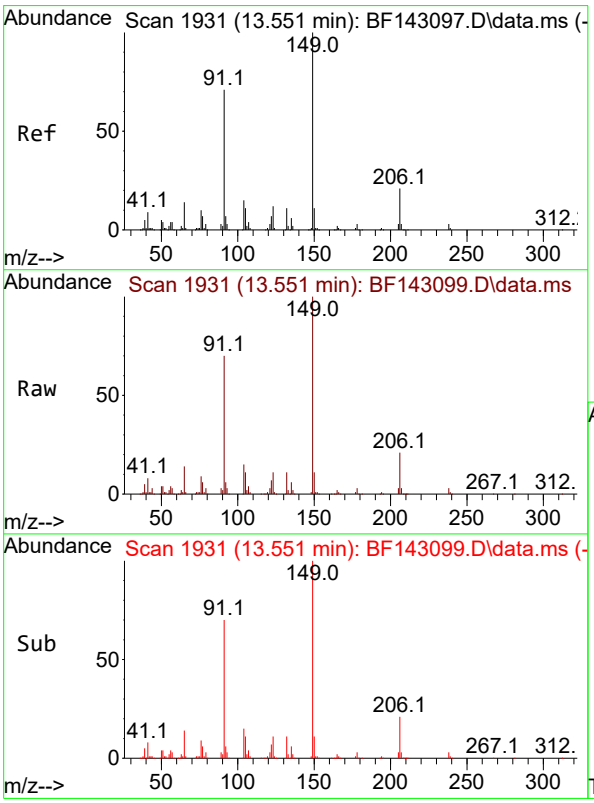
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

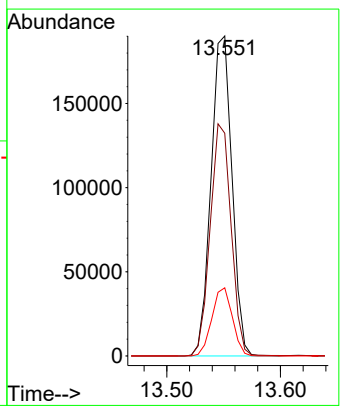
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

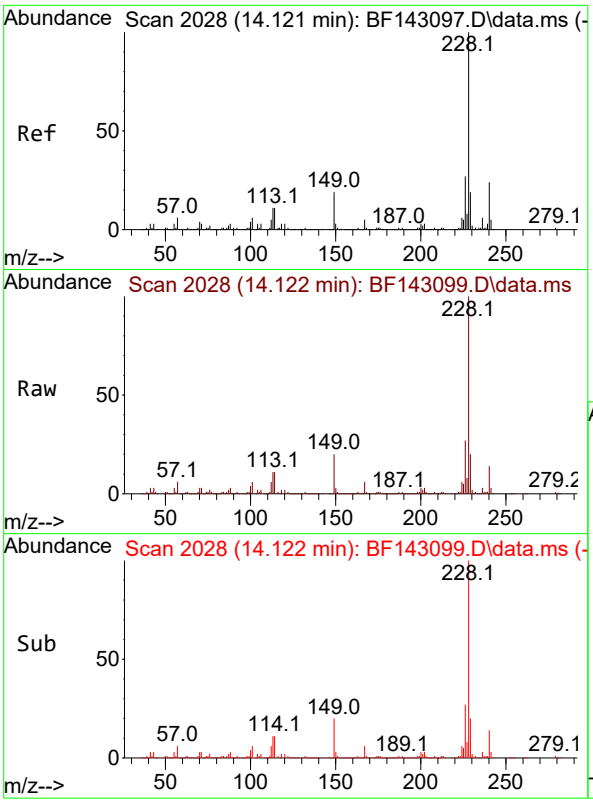


#80
Butylbenzylphthalate
Concen: 62.406 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 243805

Ion	Ratio	Lower	Upper
149	100		
91	69.6	57.0	85.4
206	21.3	17.2	25.8

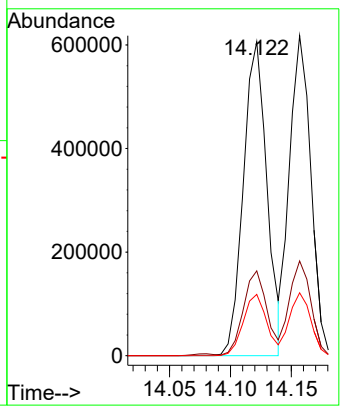




#81
Benzo(a)anthracene
Concen: 59.697 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:228 Resp: 81924

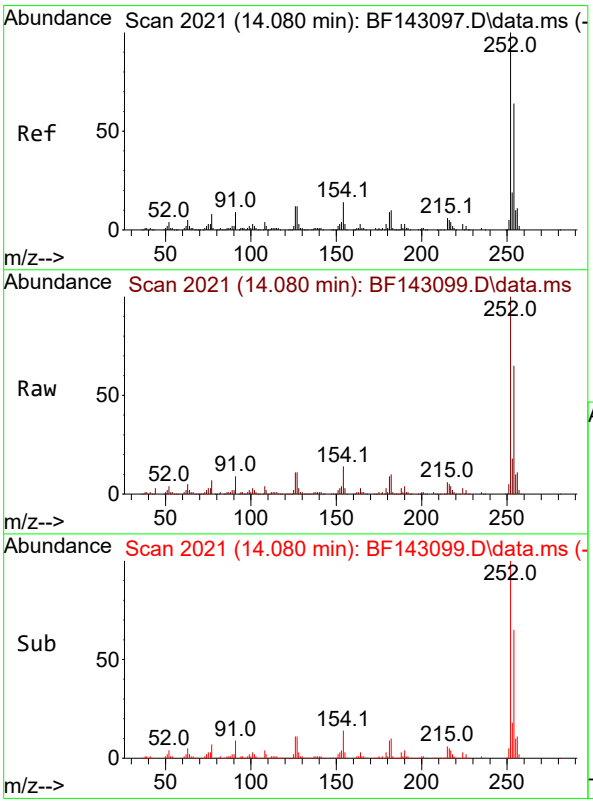
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	19.5	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

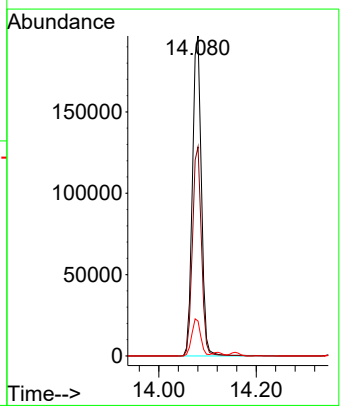
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

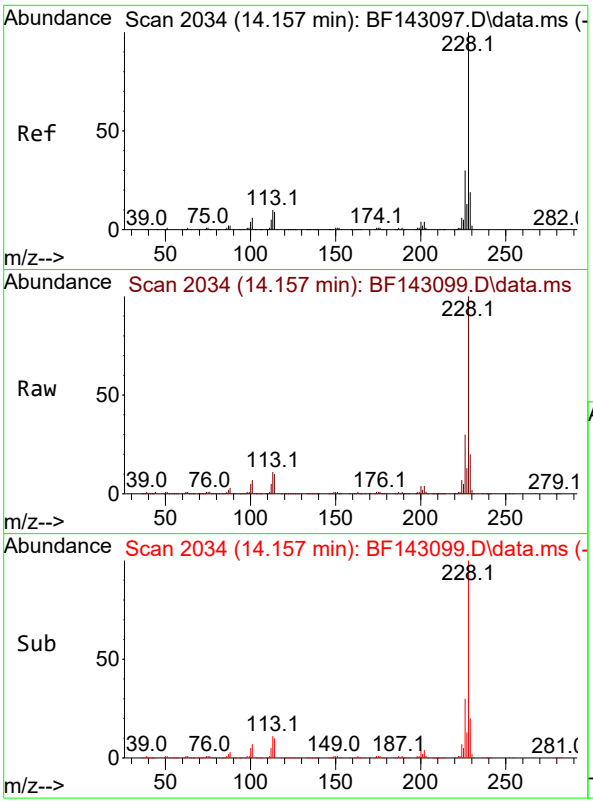


#82
3,3'-Dichlorobenzidine
Concen: 63.758 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 254086

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	10.9	9.4	14.0

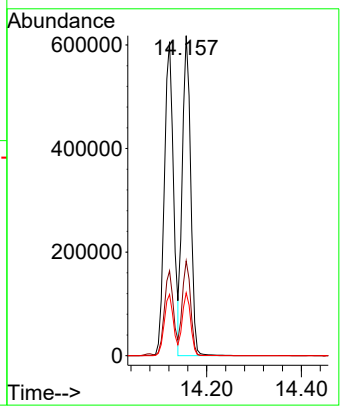




#83
Chrysene
Concen: 60.044 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:228 Resp: 75891(

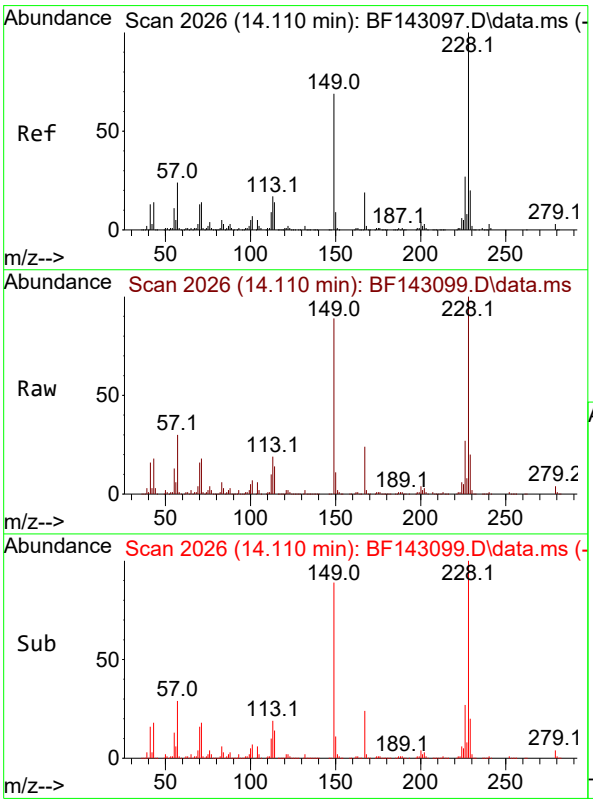
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	19.7	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

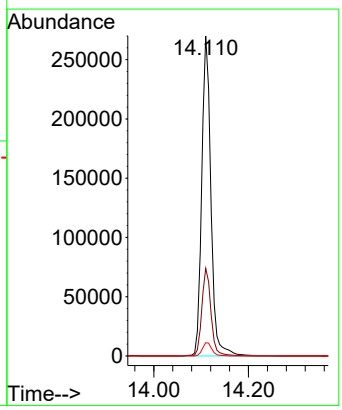
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

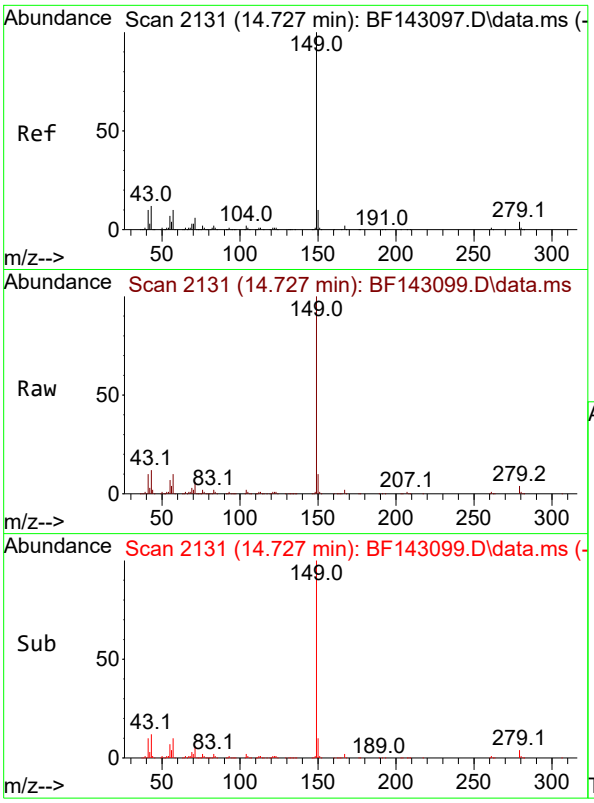


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.957 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 364902

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.2	3.4	5.0

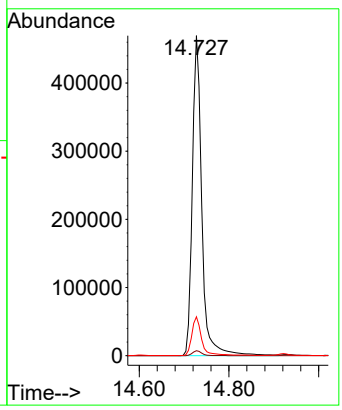




#85
Di-n-octyl phthalate
Concen: 60.817 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 68894

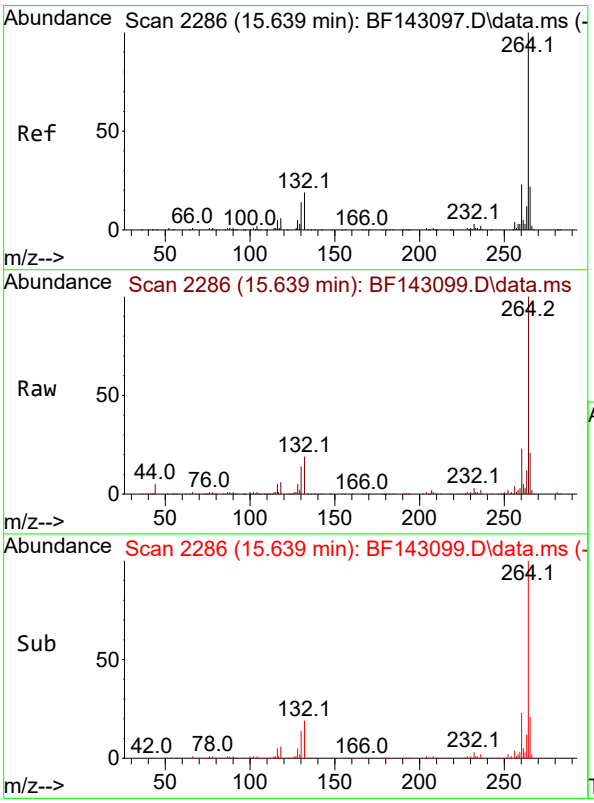
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

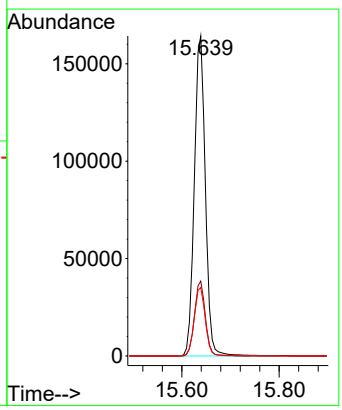
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

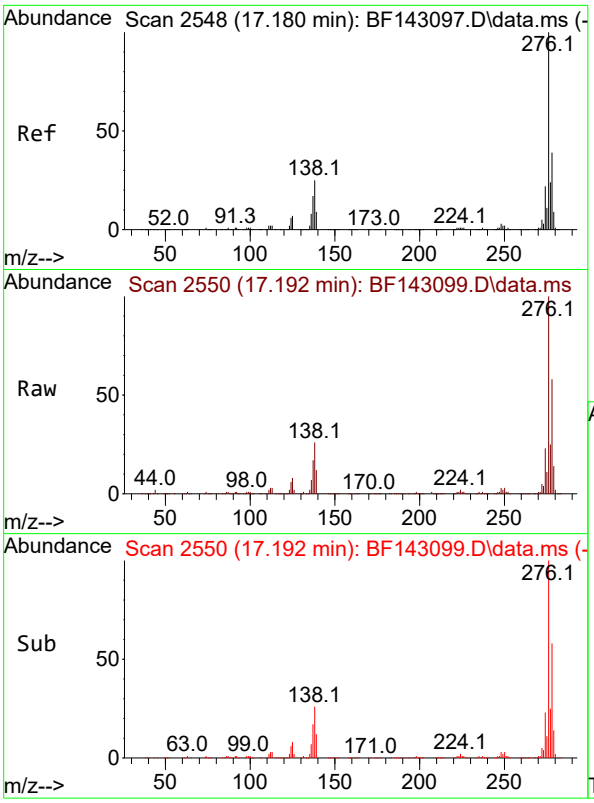


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:264 Resp: 260121

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.4	17.5	26.3

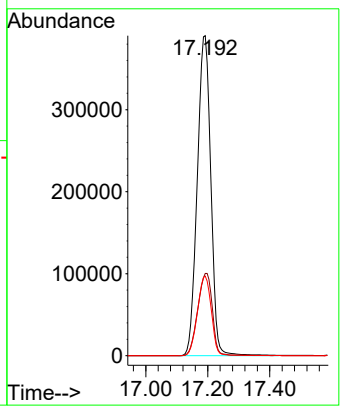




#87
Indeno(1,2,3-cd)pyrene
Concen: 61.286 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:276 Resp: 118570

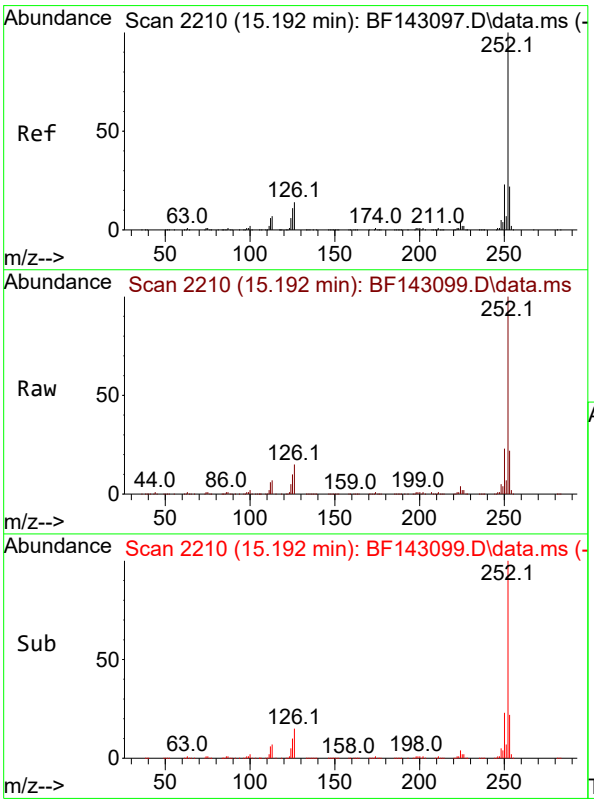
Ion	Ratio	Lower	Upper
276	100		
138	27.6	22.6	34.0
277	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

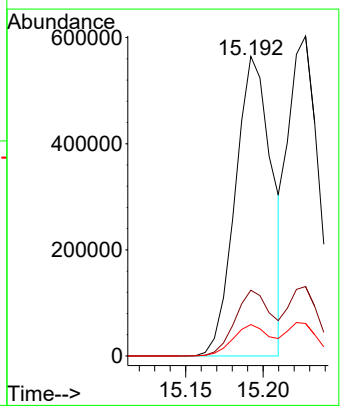
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

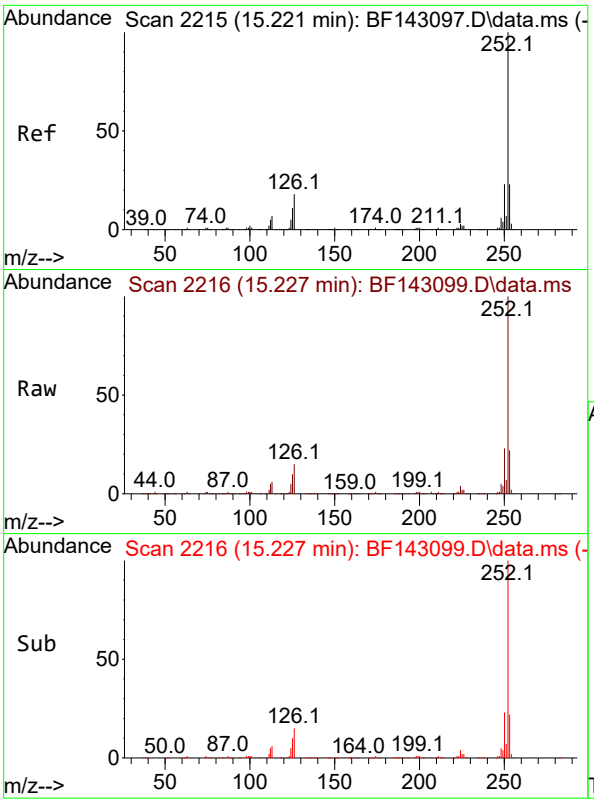


#88
Benzo(b)fluoranthene
Concen: 61.640 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 924866

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.5	8.6	13.0

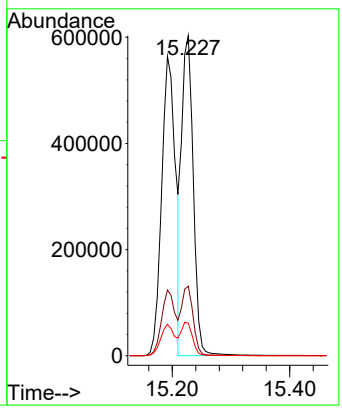




#89
Benzo(k)fluoranthene
Concen: 57.794 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 82727

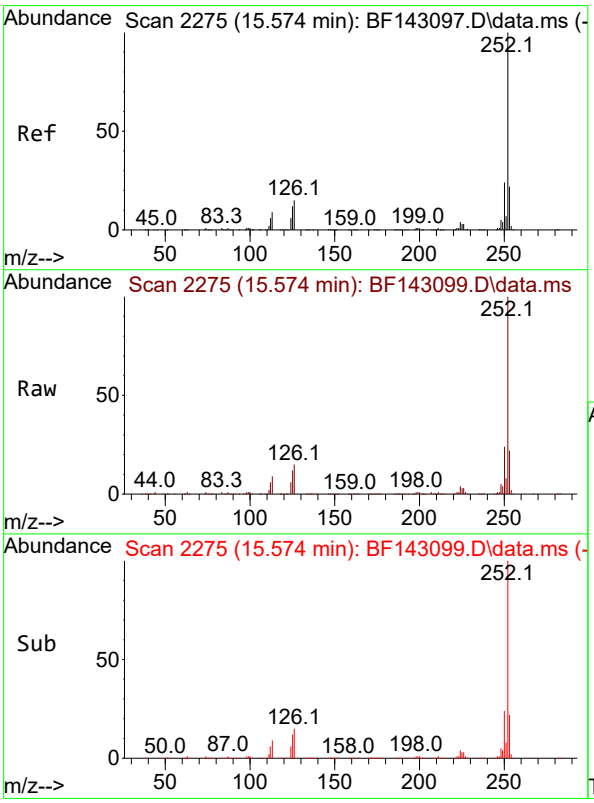
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.2	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

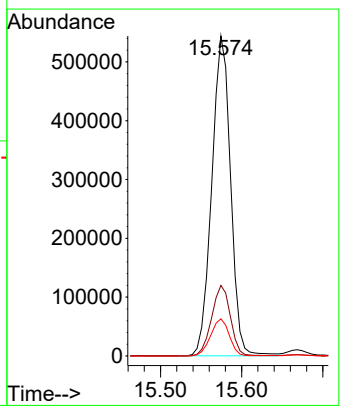
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

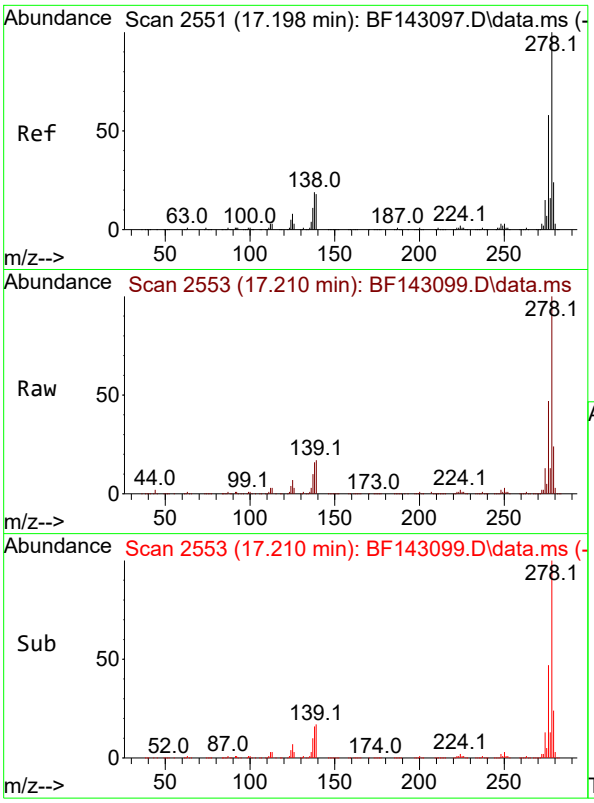


#90
Benzo(a)pyrene
Concen: 61.791 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 876856

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.6	9.4	14.0

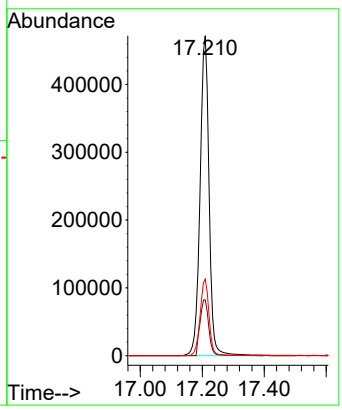




#91
Dibenzo(a,h)anthracene
Concen: 60.300 ng
RT: 17.210 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:278 Resp: 95366

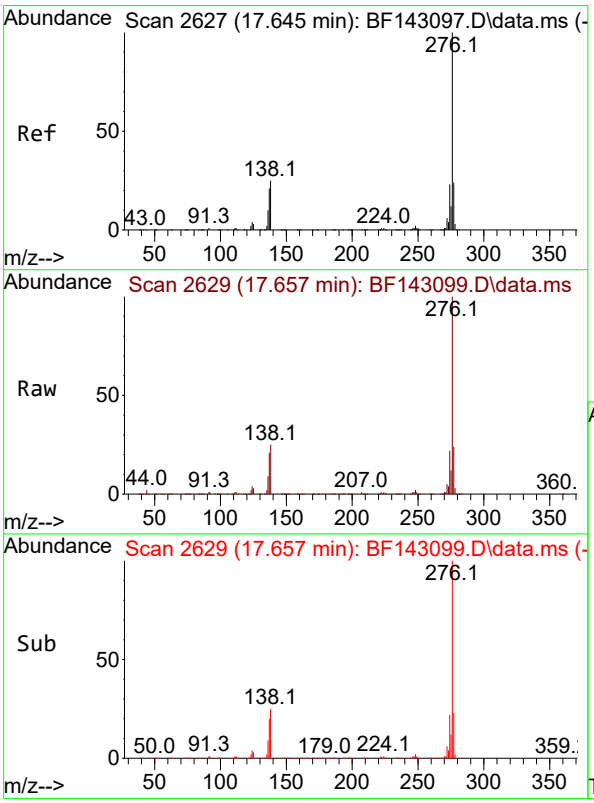
Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.6	22.0
279	23.9	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

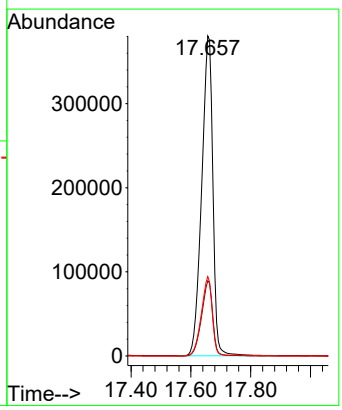
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 60.962 ng
RT: 17.657 min Scan# 2629
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:276 Resp: 982960

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	24.8	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	129576	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	487361	20.000	ng		0.00
39) Acenaphthene-d10	10.010	164	236260	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	362117	20.000	ng		0.00
76) Chrysene-d12	14.133	240	196411	20.000	ng		0.00
86) Perylene-d12	15.639	264	256691	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	1189824	145.077	ng		0.00
7) Phenol-d6	6.593	99	1493965	144.917	ng		0.00
23) Nitrobenzene-d5	7.534	82	1441614	165.933	ng		0.00
42) 2,4,6-Tribromophenol	10.798	330	355830	168.911	ng		0.00
45) 2-Fluorobiphenyl	9.328	172	2339151	131.609	ng		0.00
79) Terphenyl-d14	13.075	244	1779829	132.466	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.805	88	303852	74.427	ng		100
3) Pyridine	3.581	79	787323	76.158	ng		99
4) n-Nitrosodimethylamine	3.534	42	421072	78.614	ng		100
6) Aniline	6.634	93	1072162	73.855	ng		100
8) 2-Chlorophenol	6.757	128	628294	76.249	ng		99
9) Benzaldehyde	6.522	77	447861	57.014	ng		99
10) Phenol	6.610	94	820918m	73.558	ng		
11) bis(2-Chloroethyl)ether	6.704	93	626821	72.551	ng		98
12) 1,3-Dichlorobenzene	6.916	146	666489	71.595	ng		100
13) 1,4-Dichlorobenzene	6.987	146	669586	71.496	ng		99
14) 1,2-Dichlorobenzene	7.145	146	643168	72.014	ng		99
15) Benzyl Alcohol	7.104	79	586953	76.840	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.245	45	1125357	70.661	ng		98
17) 2-Methylphenol	7.216	107	536428	75.438	ng		99
18) Hexachloroethane	7.487	117	235713	77.313	ng		99
19) n-Nitroso-di-n-propyla...	7.393	70	464705	73.578	ng		98
20) 3+4-Methylphenols	7.369	107	616275	70.670	ng		95
22) Acetophenone	7.381	105	817243	69.563	ng	#	95
24) Nitrobenzene	7.551	77	676569	80.671	ng		99
25) Isophorone	7.798	82	1269015	75.573	ng		100
26) 2-Nitrophenol	7.863	139	287169	82.598	ng		98
27) 2,4-Dimethylphenol	7.898	122	582059	74.683	ng		98
28) bis(2-Chloroethoxy)met...	7.998	93	731977	71.885	ng		100
29) 2,4-Dichlorophenol	8.104	162	496027	77.795	ng		99
30) 1,2,4-Trichlorobenzene	8.192	180	520808	71.974	ng		98
31) Naphthalene	8.275	128	1711163	70.704	ng		100
32) Benzoic acid	8.022	122	336178	81.374	ng		99
33) 4-Chloroaniline	8.316	127	688999	70.795	ng		99
34) Hexachlorobutadiene	8.398	225	318274	73.546	ng		98
35) Caprolactam	8.698	113	161466	81.097	ng		94
36) 4-Chloro-3-methylphenol	8.792	107	539340	75.937	ng		97
37) 2-Methylnaphthalene	8.963	142	1021312	70.738	ng		99
38) 1-Methylnaphthalene	9.063	142	1047560	69.955	ng		100
40) 1,2,4,5-Tetrachloroben...	9.134	216	493246	71.639	ng		99
41) Hexachlorocyclopentadiene	9.128	237	324865	85.103	ng		98
43) 2,4,6-Trichlorophenol	9.239	196	355839	83.176	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	357298	79.651	ng		99
46) 1,1'-Biphenyl	9.428	154	1307947	69.419	ng		99
47) 2-Chloronaphthalene	9.457	162	990436	71.557	ng		99
48) 2-Nitroaniline	9.539	65	335875	79.074	ng		99
49) Acenaphthylene	9.875	152	1650097	71.544	ng		99
50) Dimethylphthalate	9.728	163	1104756	74.327	ng		100
51) 2,6-Dinitrotoluene	9.787	165	233478	77.660	ng		91
52) Acenaphthene	10.045	154	975285	71.657	ng		99
53) 3-Nitroaniline	9.951	138	279161	86.920	ng		99
54) 2,4-Dinitrophenol	10.057	184	91751	79.064	ng	#	1
55) Dibenzofuran	10.216	168	1432458	70.610	ng		100
56) 4-Nitrophenol	10.098	139	219224	85.886	ng		97
57) 2,4-Dinitrotoluene	10.186	165	302558	80.048	ng		99
58) Fluorene	10.557	166	1043990	68.640	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	291933	81.893	ng		99
60) Diethylphthalate	10.428	149	1067815	74.464	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	524910	72.005	ng		98
62) 4-Nitroaniline	10.569	138	244461	87.527	ng		97
63) Azobenzene	10.710	77	1141613	71.985	ng		98
65) 4,6-Dinitro-2-methylph...	10.598	198	125251	78.600	ng		96
66) n-Nitrosodiphenylamine	10.663	169	947890	74.520	ng		99
67) 4-Bromophenyl-phenylether	11.039	248	316619	76.885	ng		97
68) Hexachlorobenzene	11.110	284	333899	76.417	ng		96
69) Atrazine	11.186	200	266668	81.943	ng		97
70) Pentachlorophenol	11.292	266	210729	87.905	ng		99
71) Phenanthrene	11.522	178	1401500	71.714	ng		99
72) Anthracene	11.569	178	1423259	72.421	ng		99
73) Carbazole	11.716	167	1264053	71.796	ng		100
74) Di-n-butylphthalate	12.051	149	1299711	80.422	ng		100
75) Fluoranthene	12.704	202	1258479	70.821	ng		99
77) Benzidine	12.816	184	403599	60.315	ng		99
78) Pyrene	12.933	202	1244953	68.315	ng		99
80) Butylbenzylphthalate	13.551	149	301525	79.914	ng		99
81) Benzo(a)anthracene	14.122	228	979909	74.870	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	296061	77.896	ng		99
83) Chrysene	14.157	228	913035	75.743	ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	458210	80.495	ng		99
85) Di-n-octyl phthalate	14.727	149	916748	82.209	ng		98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1509813	79.082	ng		98
88) Benzo(b)fluoranthene	15.198	252	1115815	75.360	ng		99
89) Benzo(k)fluoranthene	15.227	252	1083939	76.736	ng		99
90) Benzo(a)pyrene	15.580	252	1107280	79.071	ng		99
91) Dibenzo(a,h)anthracene	17.215	278	1209971	77.528	ng		98
92) Benzo(g,h,i)perylene	17.668	276	1246206	78.321	ng		98

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

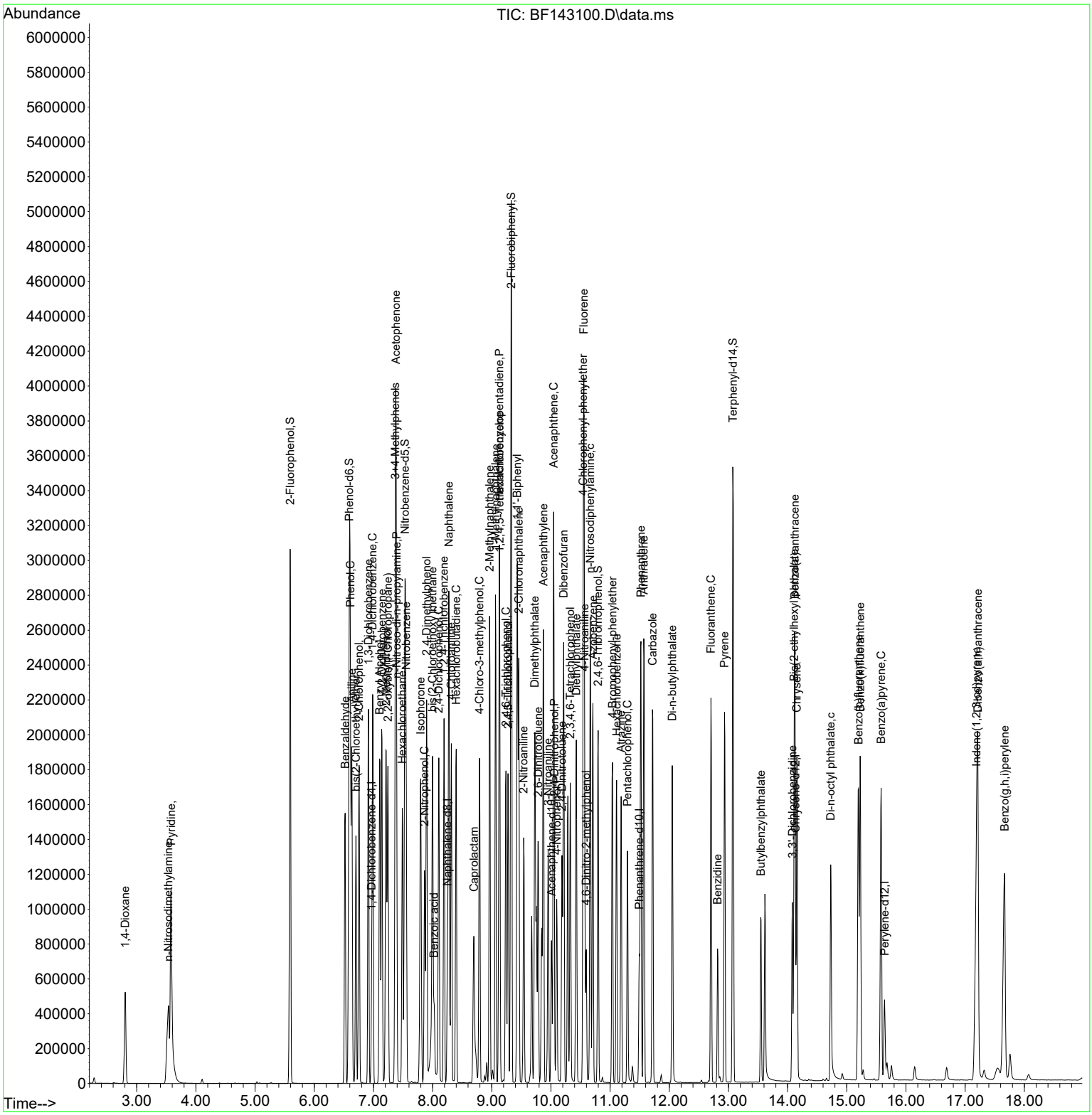
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

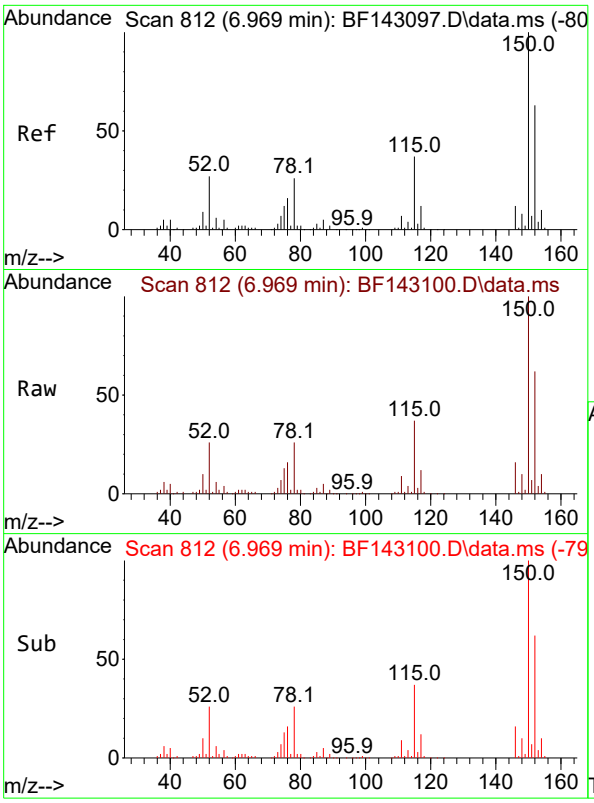
Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

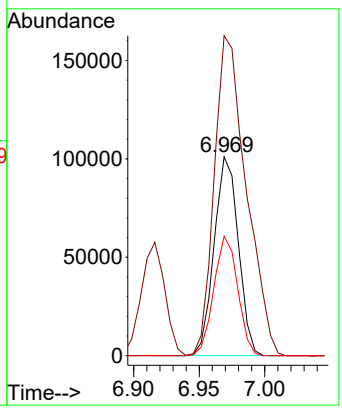




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:152 Resp: 12957

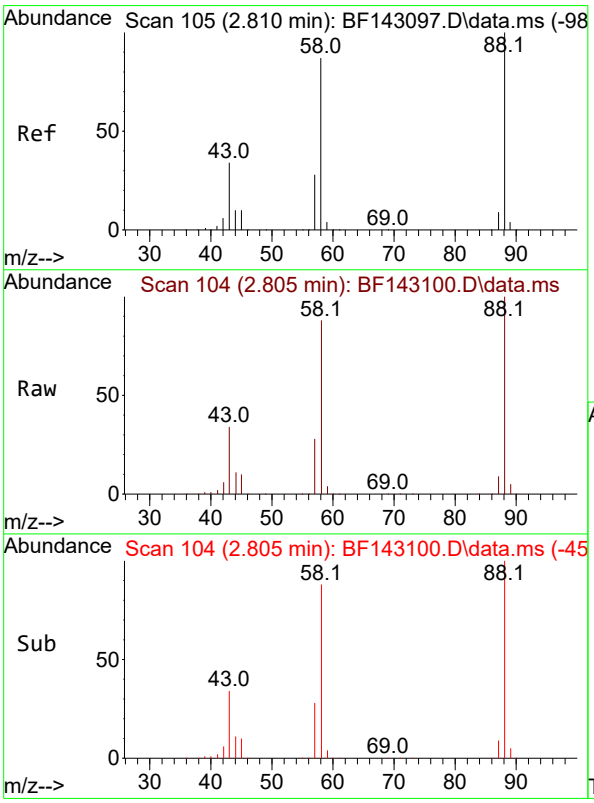
Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.5	189.7
115	60.0	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

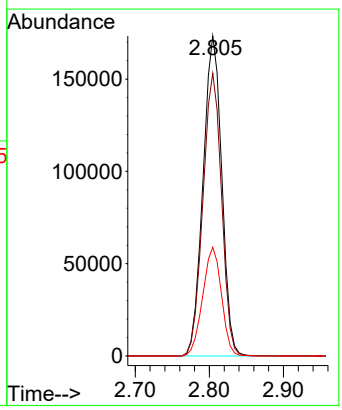
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

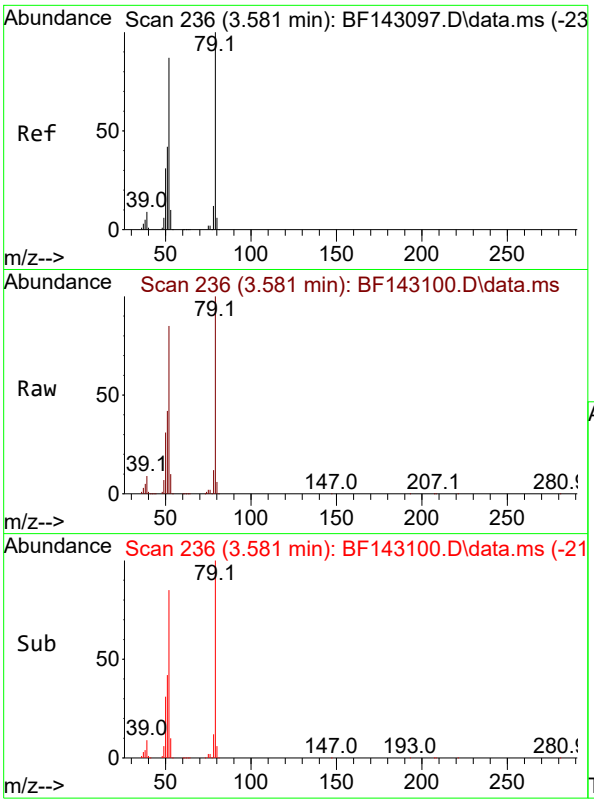


#2
1,4-Dioxane
Concen: 74.427 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 88 Resp: 303852

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.5	105.7
43	33.9	27.3	40.9

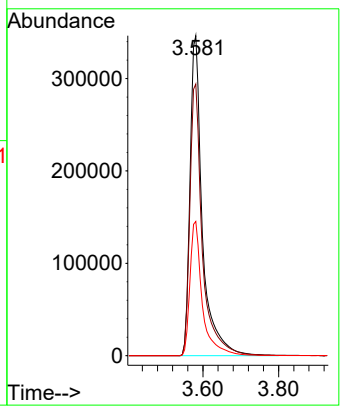




#3
Pyridine
Concen: 76.158 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 79 Resp: 78732

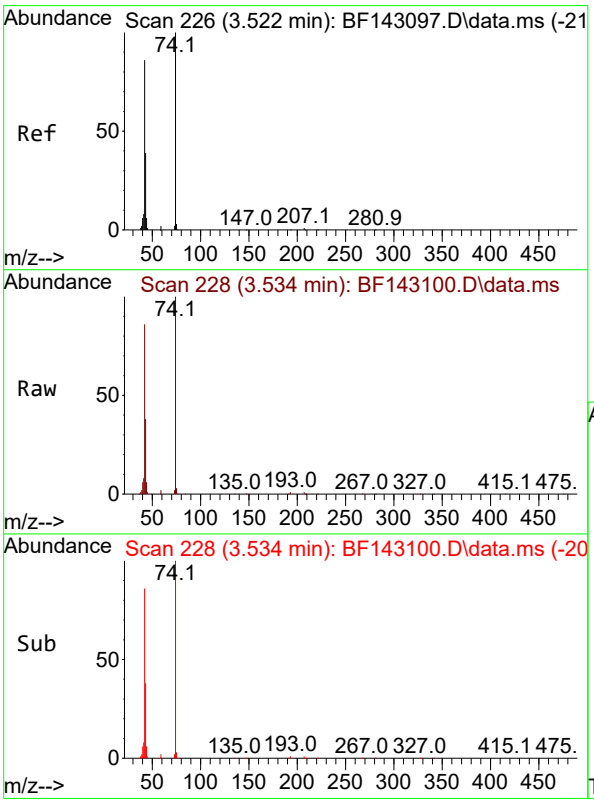
Ion	Ratio	Lower	Upper
79	100		
52	84.9	69.2	103.8
51	42.0	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

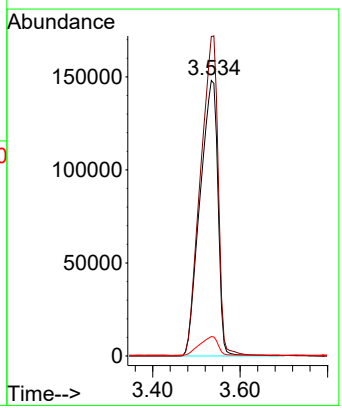
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

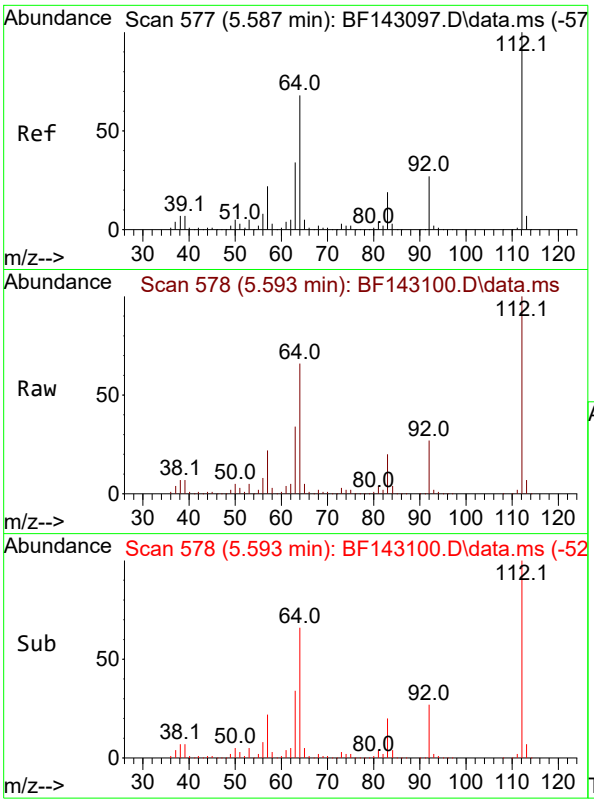


#4
n-Nitrosodimethylamine
Concen: 78.614 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 42 Resp: 421072

Ion	Ratio	Lower	Upper
42	100		
74	115.9	92.8	139.2
44	7.0	5.8	8.6





#5
2-Fluorophenol
Concen: 145.077 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

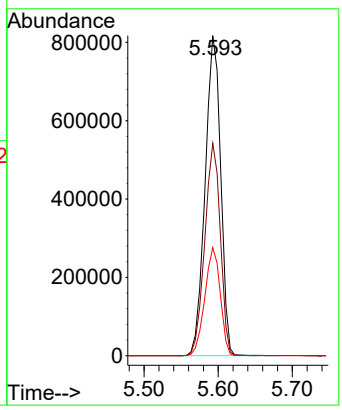
Tgt Ion:112 Resp: 118982

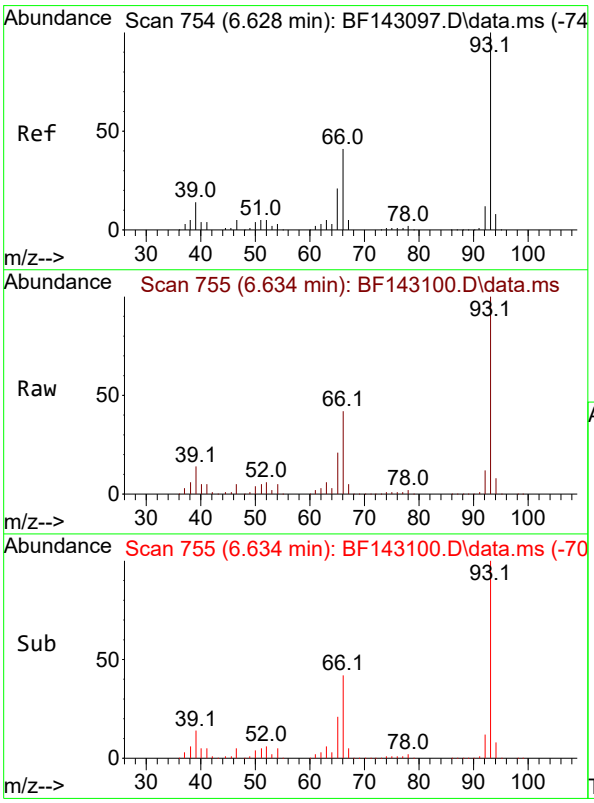
Ion	Ratio	Lower	Upper
112	100		
64	66.4	54.6	82.0
63	33.7	27.3	40.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

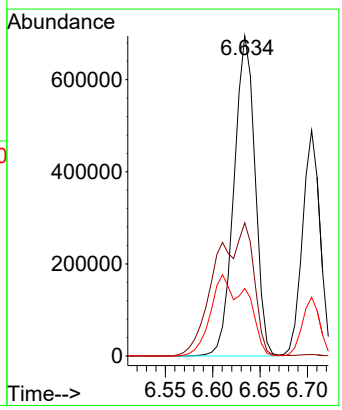


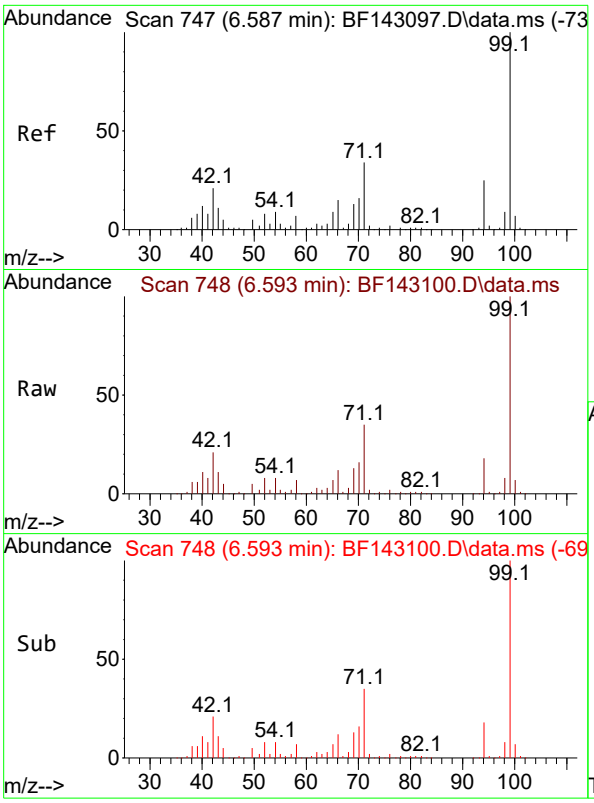


#6
Aniline
Concen: 73.855 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 1072162

Ion	Ratio	Lower	Upper
93	100		
66	41.6	33.1	49.7
65	21.1	16.9	25.3

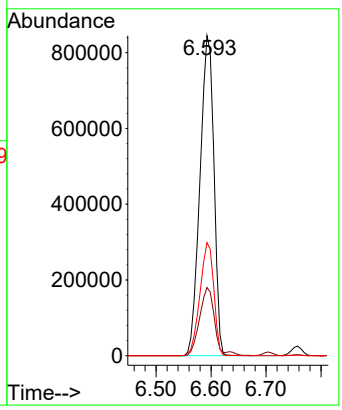




#7
Phenol-d6
Concen: 144.917 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 99 Resp: 149396

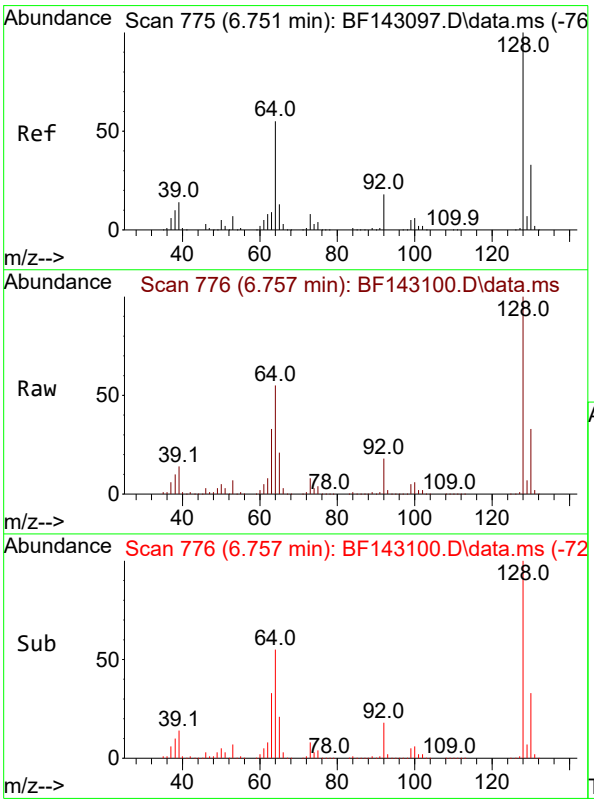
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	35.4	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

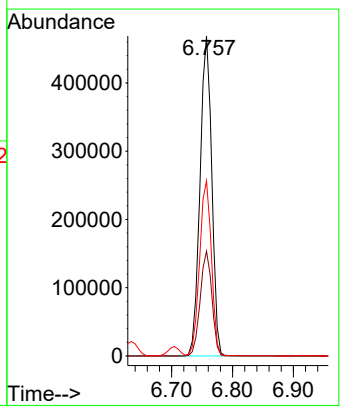
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

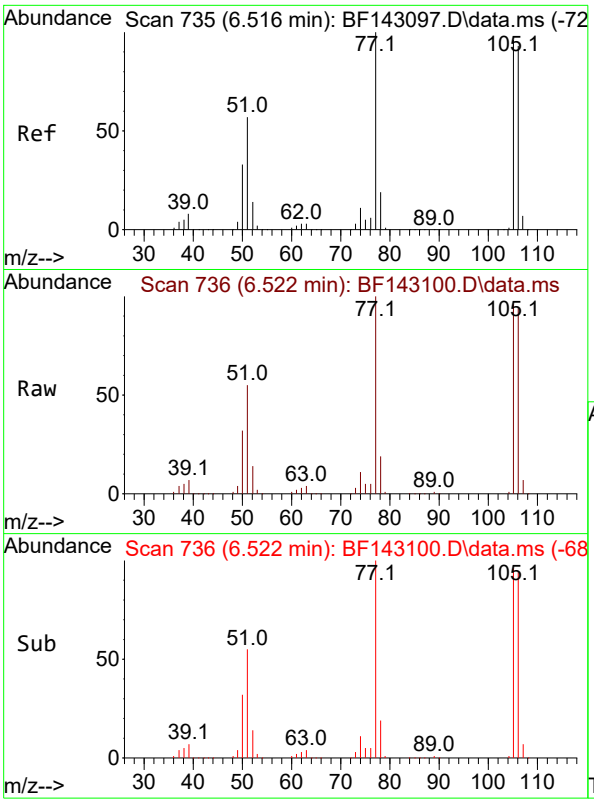


#8
2-Chlorophenol
Concen: 76.249 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:128 Resp: 628294

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	54.7	36.1	76.1

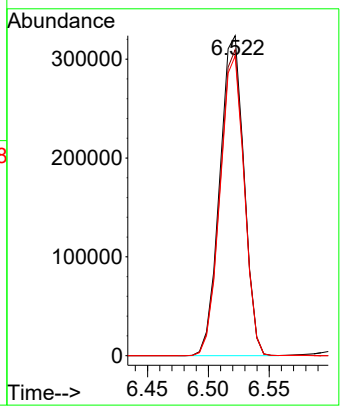




#9
Benzaldehyde
Concen: 57.014 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 77 Resp: 44786

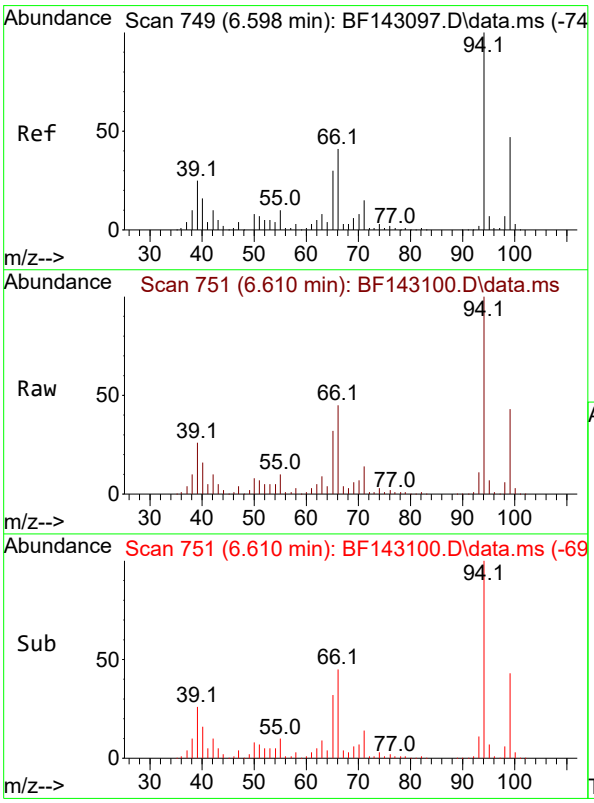
Ion	Ratio	Lower	Upper
77	100		
105	95.6	76.3	116.3
106	93.6	72.8	112.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

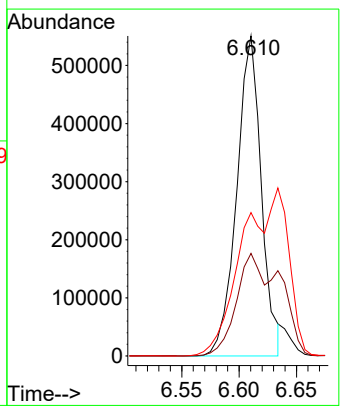
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

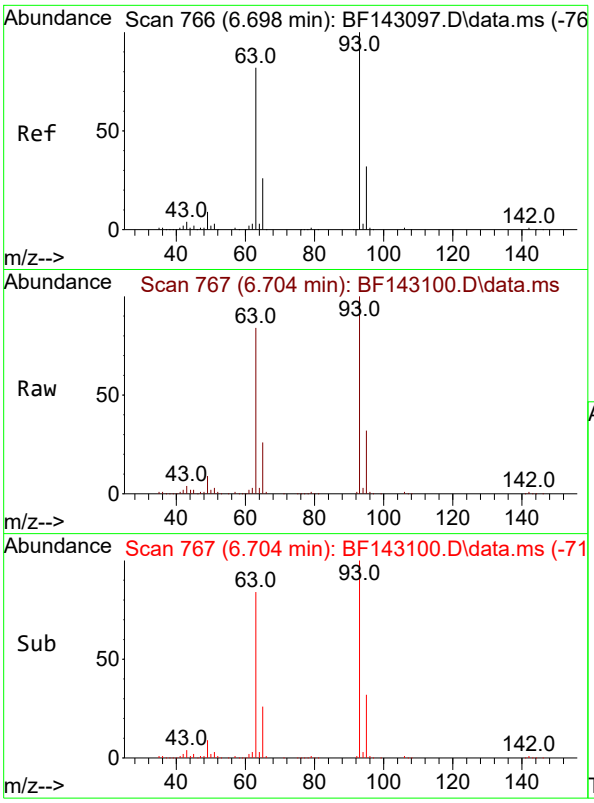


#10
Phenol
Concen: 73.558 ng m
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 94 Resp: 820918

Ion	Ratio	Lower	Upper
94	100		
65	32.1	9.8	49.8
66	44.8	20.5	60.5

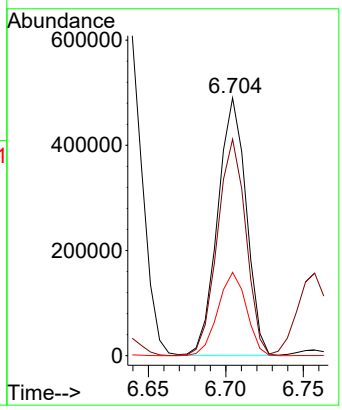




#11
bis(2-Chloroethyl)ether
Concen: 72.551 ng
RT: 6.704 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 62682

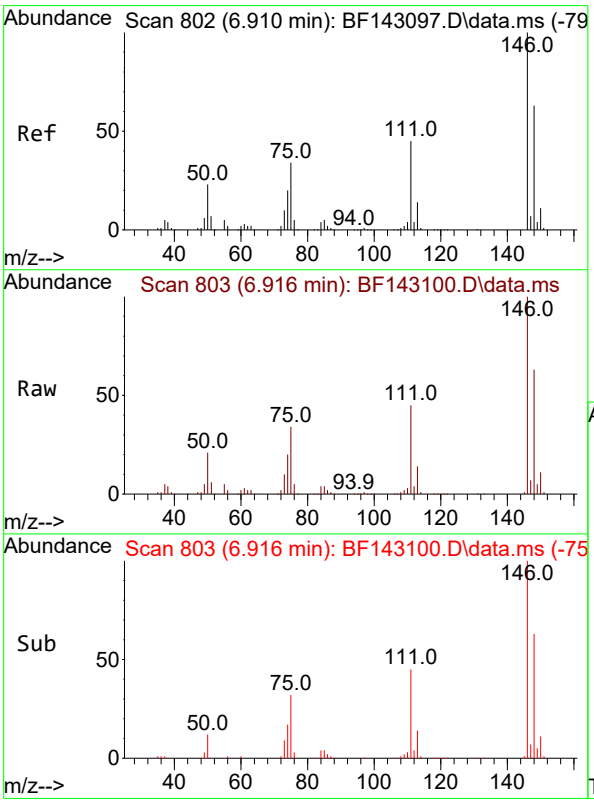
Ion	Ratio	Lower	Upper
93	100		
63	84.0	61.9	101.9
95	32.3	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

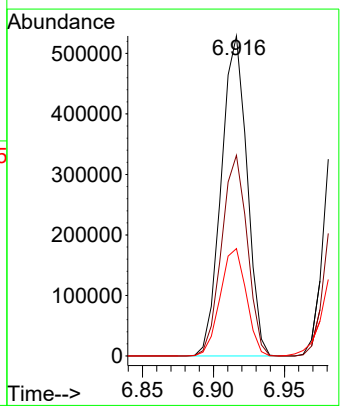
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

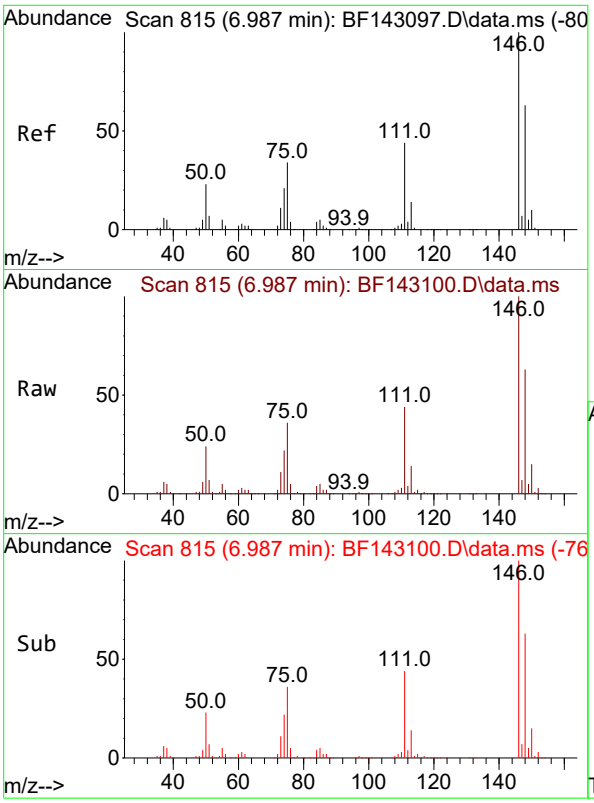


#12
1,3-Dichlorobenzene
Concen: 71.595 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 666489

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.1	75.1
75	33.5	27.4	41.0

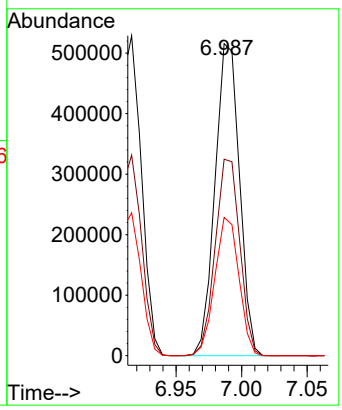




#13
1,4-Dichlorobenzene
Concen: 71.496 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 66958

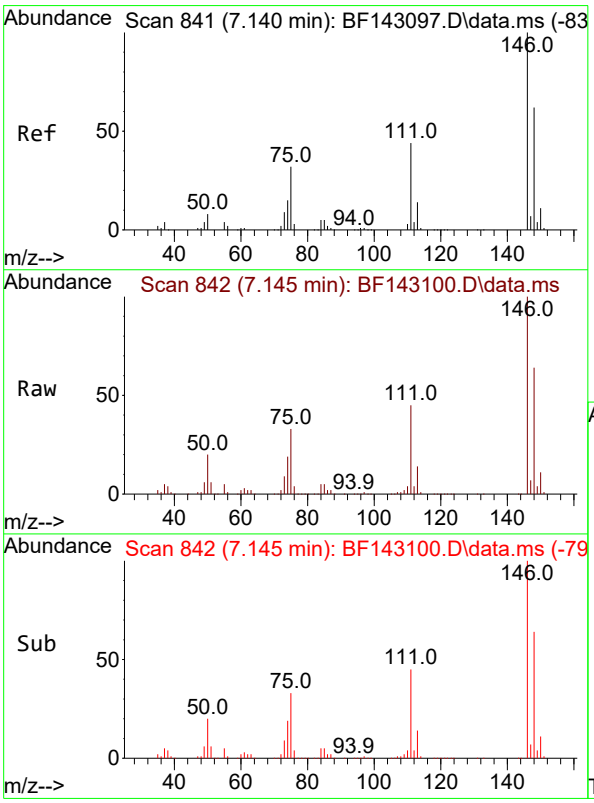
Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	76.0
111	44.3	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

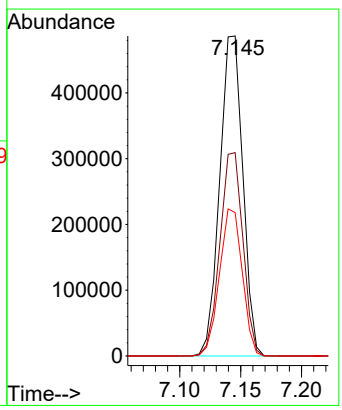
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

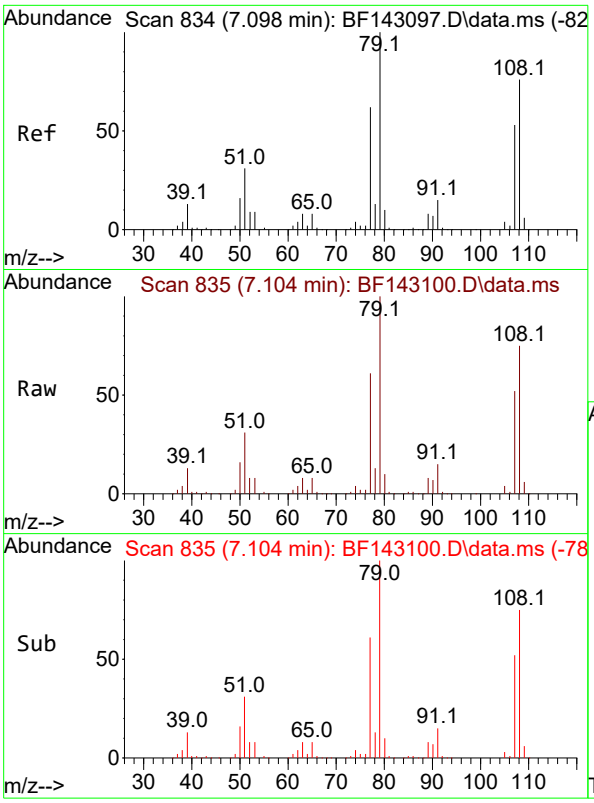


#14
1,2-Dichlorobenzene
Concen: 72.014 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 643168

Ion	Ratio	Lower	Upper
146	100		
148	63.6	49.8	74.6
111	44.8	35.4	53.0





#15
Benzyl Alcohol
Concen: 76.840 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

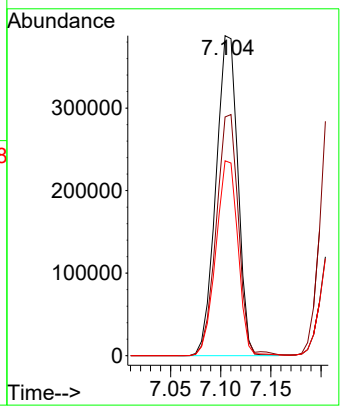
Tgt Ion: 79 Resp: 58695

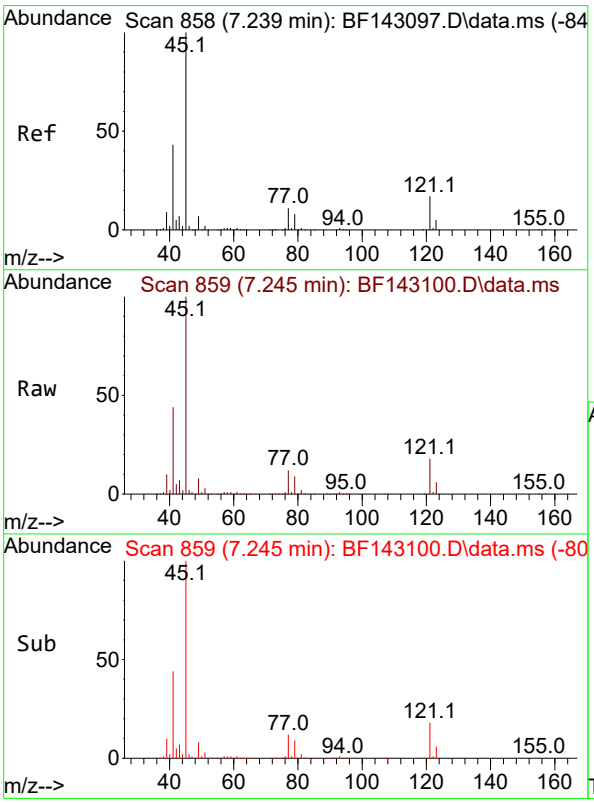
Ion	Ratio	Lower	Upper
79	100		
108	74.6	61.1	91.7
77	60.9	49.9	74.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

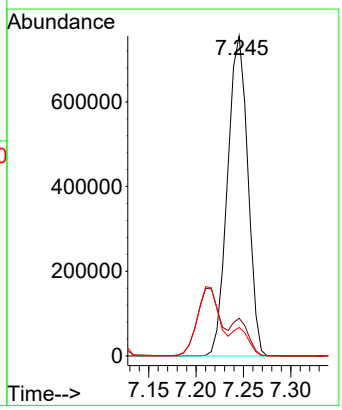


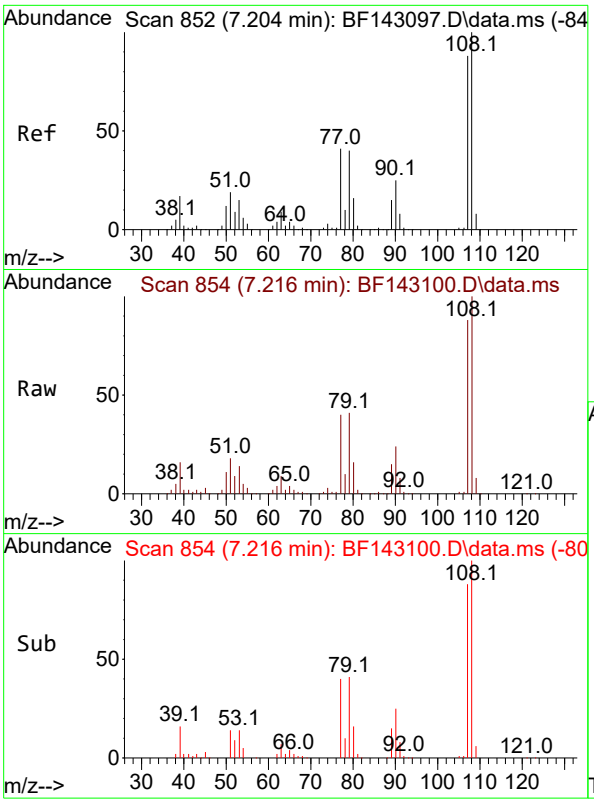


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.661 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 45 Resp: 1125357

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.1
79	8.9	0.0	28.4

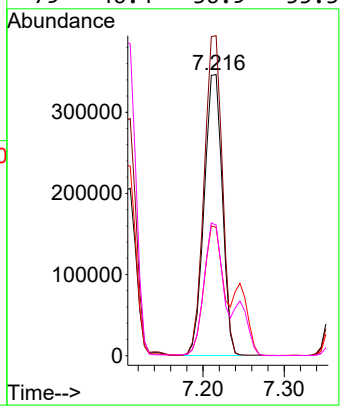




#17
2-Methylphenol
Concen: 75.438 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 53642

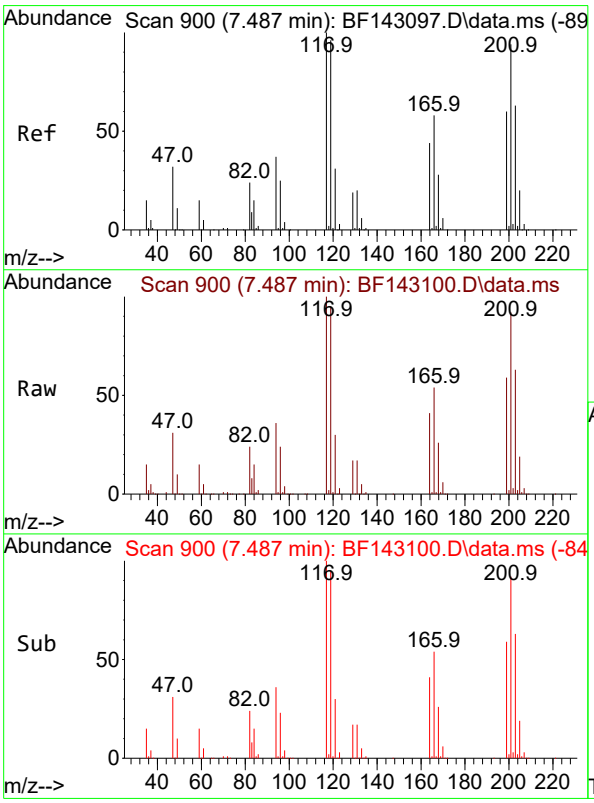
Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.9	136.3
77	45.6	37.5	56.3
79	46.4	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

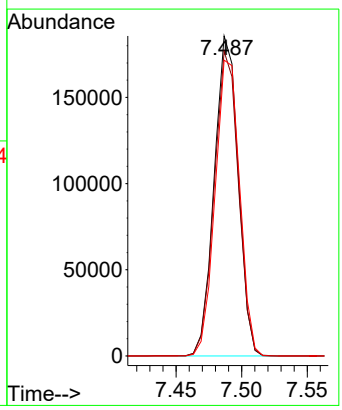
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

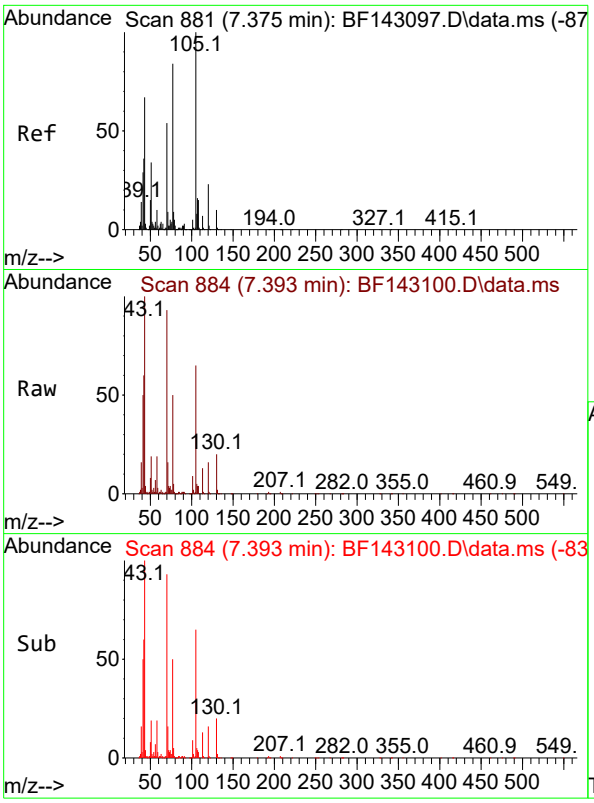


#18
Hexachloroethane
Concen: 77.313 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:117 Resp: 235713

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
201	92.5	75.0	112.4

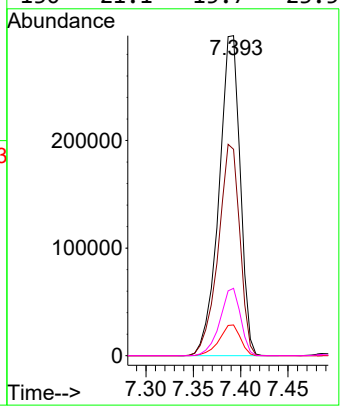




#19
n-Nitroso-di-n-propylamine
Concen: 73.578 ng
RT: 7.393 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 70 Resp: 46470

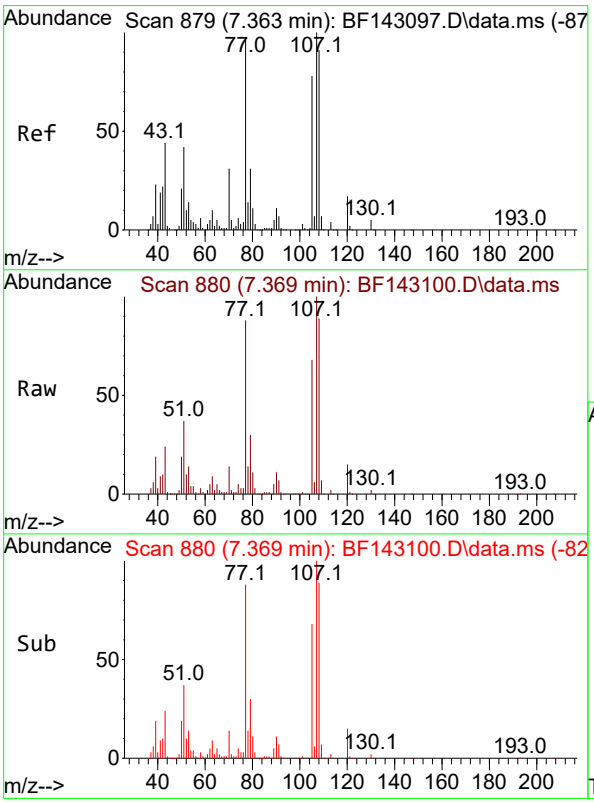
Ion	Ratio	Lower	Upper
70	100		
42	64.5	53.2	79.8
101	9.6	7.5	11.3
130	21.1	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

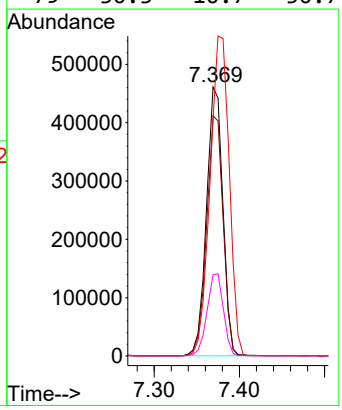
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

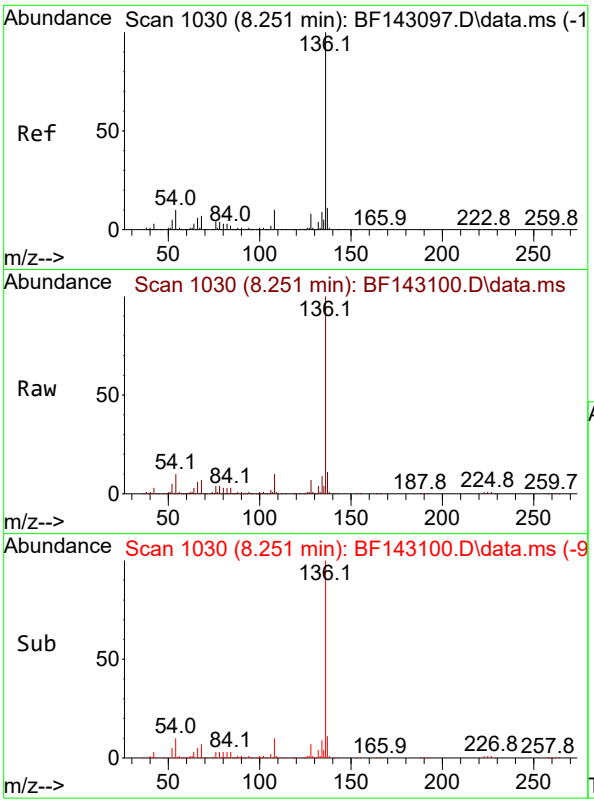


#20
3+4-Methylphenols
Concen: 70.670 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 616275

Ion	Ratio	Lower	Upper
107	100		
108	89.3	71.3	111.3
77	88.3	77.2	117.2
79	30.3	10.7	50.7

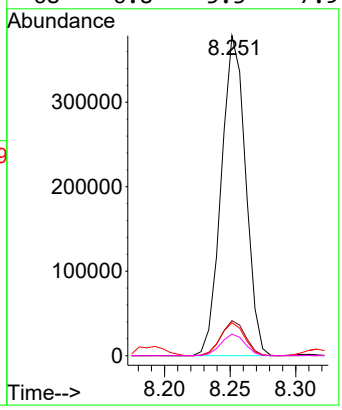




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:136 Resp: 48736

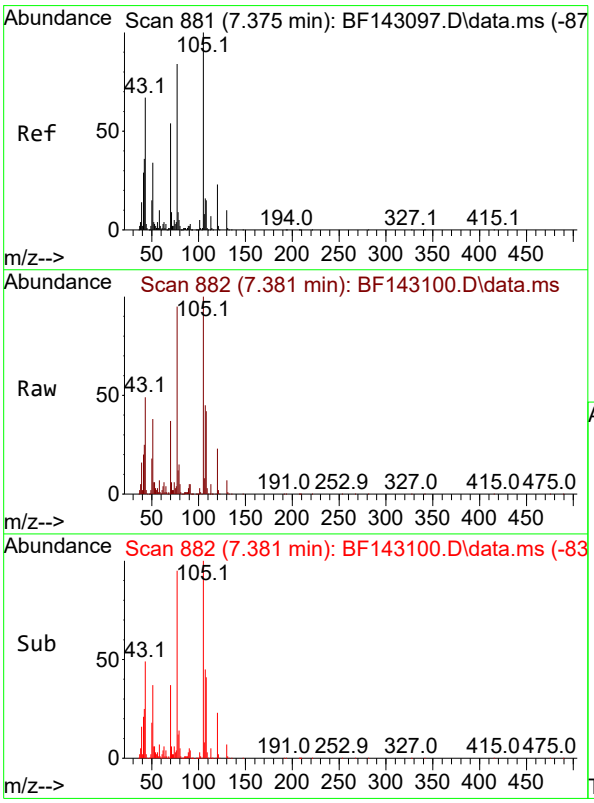
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.3	8.3	12.5
68	6.8	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

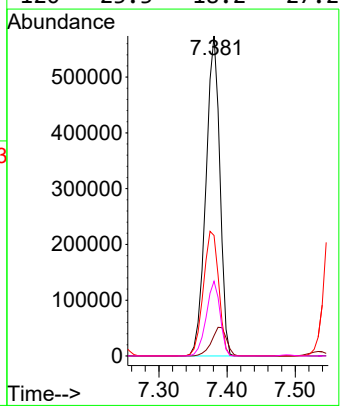
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

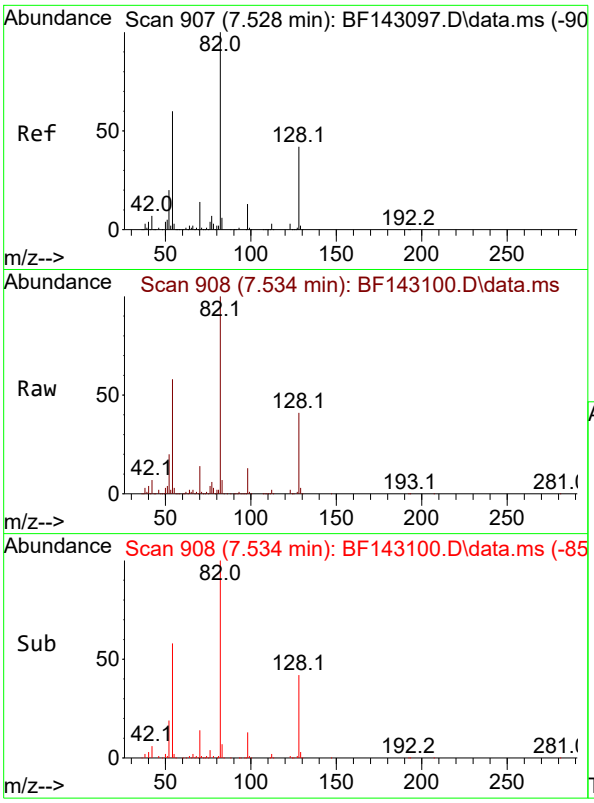


#22
Acetophenone
Concen: 69.563 ng
RT: 7.381 min Scan# 882
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:105 Resp: 817243

Ion	Ratio	Lower	Upper
105	100		
71	6.4	7.2	10.8#
51	37.7	27.0	40.4
120	23.3	18.2	27.2

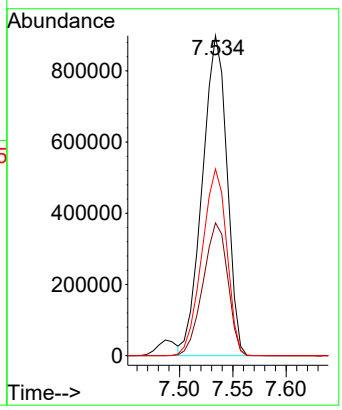




#23
Nitrobenzene-d5
Concen: 165.933 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 82 Resp: 144161

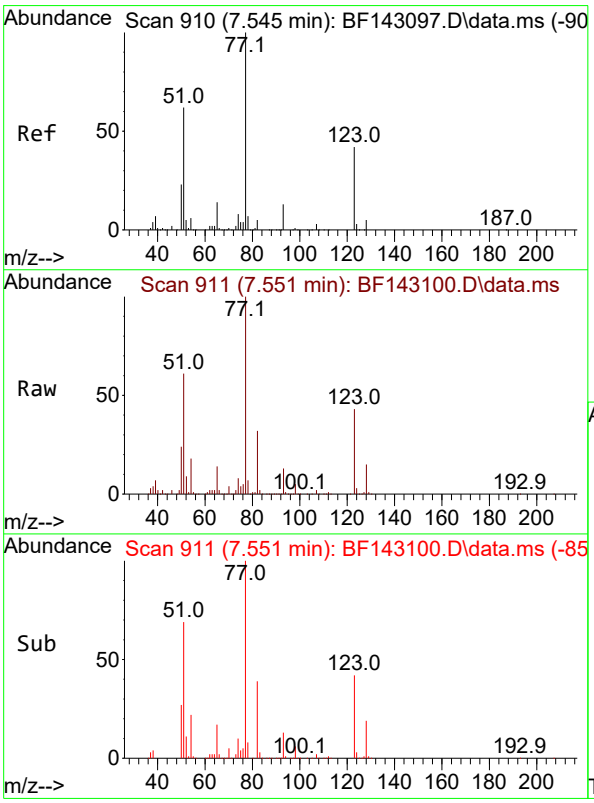
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.3	49.9
54	58.4	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

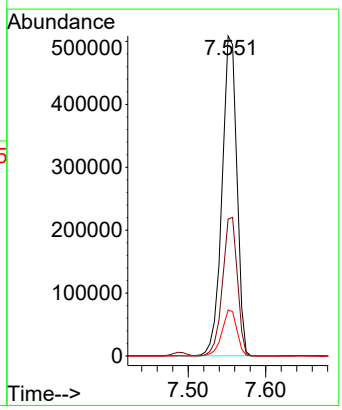
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

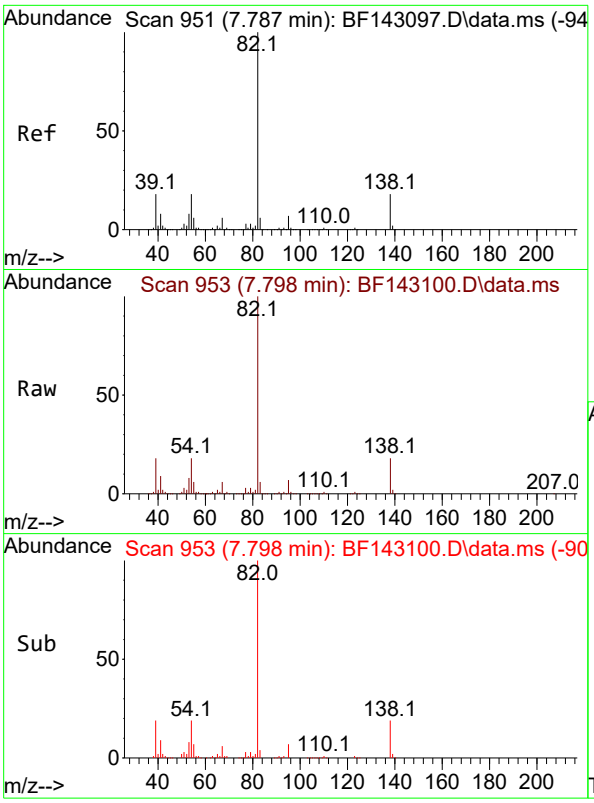


#24
Nitrobenzene
Concen: 80.671 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 77 Resp: 676569

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.5	51.7
65	14.3	11.3	16.9

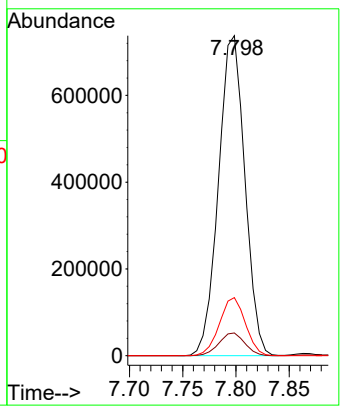




#25
Isophorone
Concen: 75.573 ng
RT: 7.798 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 82 Resp: 126901

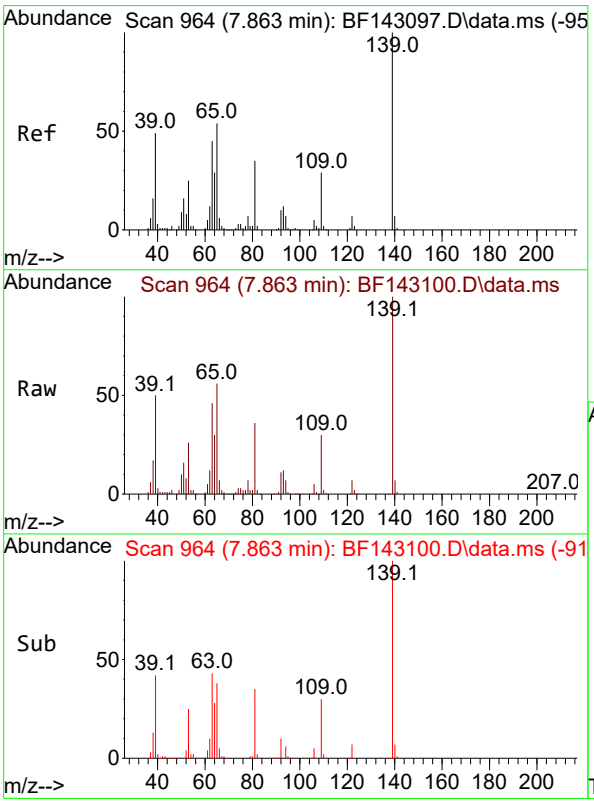
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.2	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

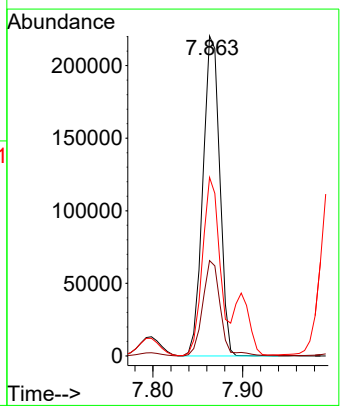
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

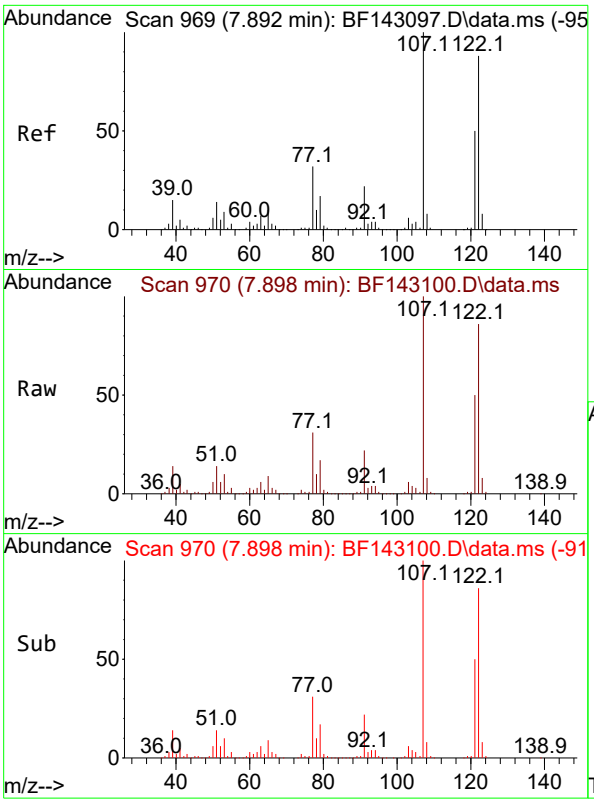


#26
2-Nitrophenol
Concen: 82.598 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 287169

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.4	35.0
65	55.8	43.4	65.2

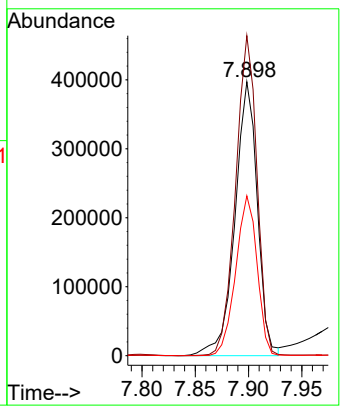




#27
2,4-Dimethylphenol
Concen: 74.683 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:122 Resp: 58205

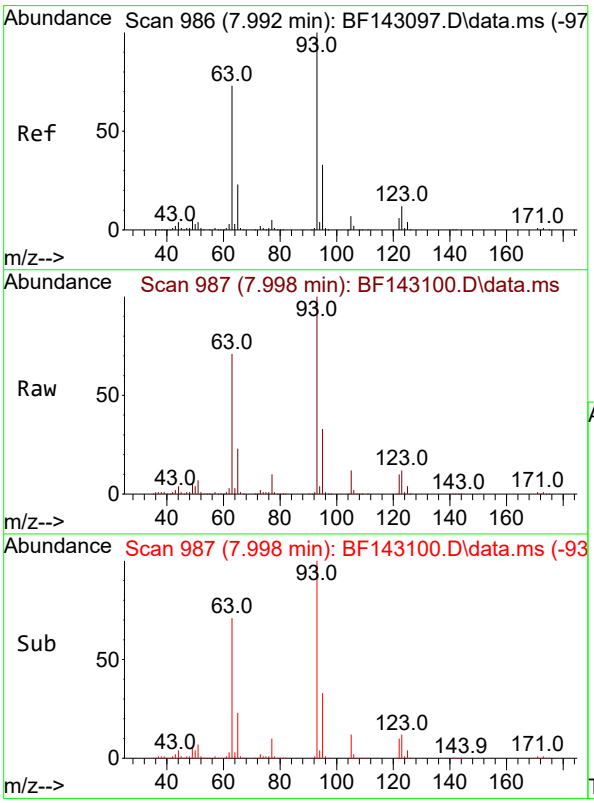
Ion	Ratio	Lower	Upper
122	100		
107	116.8	91.3	136.9
121	58.4	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

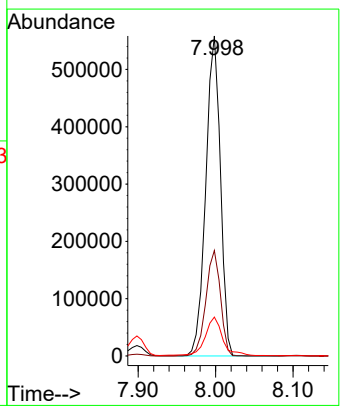
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

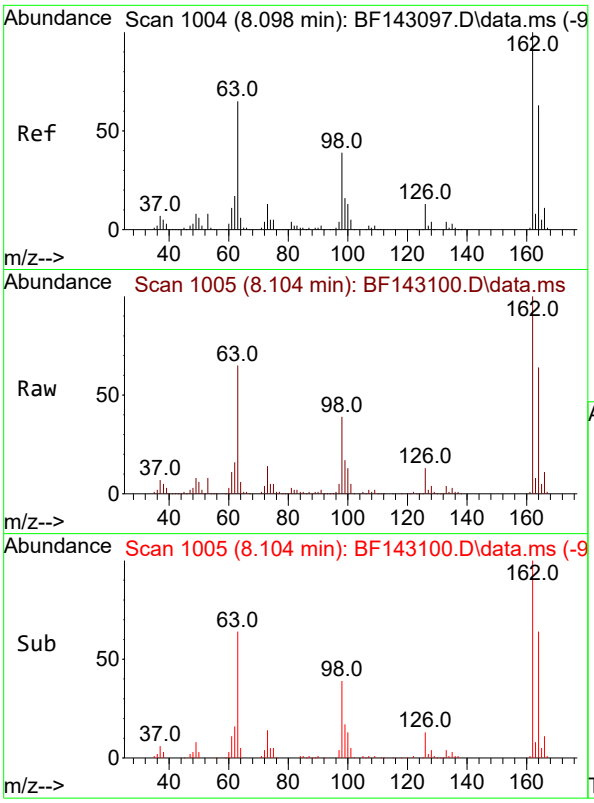


#28
bis(2-Chloroethoxy)methane
Concen: 71.885 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 731977

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	12.1	9.6	14.4

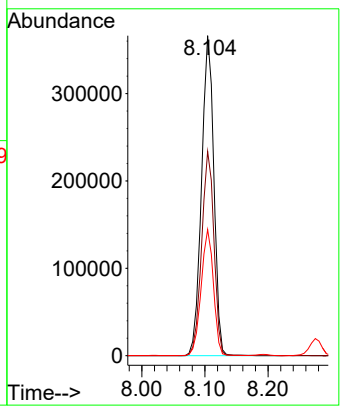




#29
2,4-Dichlorophenol
Concen: 77.795 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:162 Resp: 49602

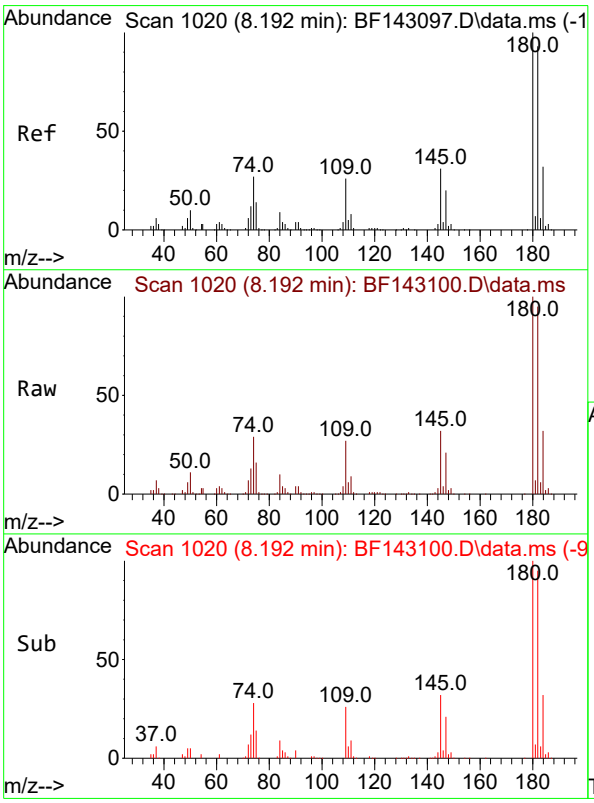
Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.1	83.1
98	39.4	19.2	59.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

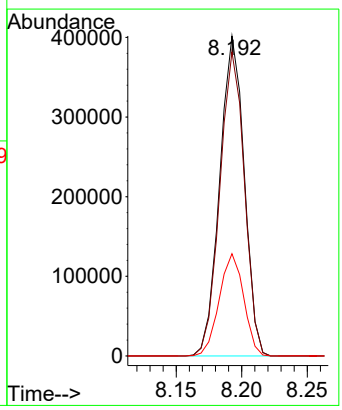
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

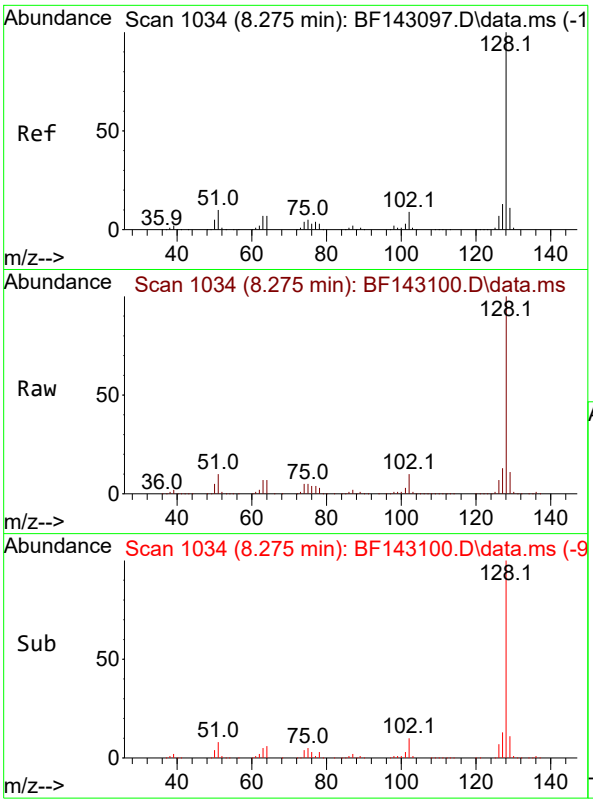


#30
1,2,4-Trichlorobenzene
Concen: 71.974 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:180 Resp: 520808

Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.7	112.1
145	32.0	24.5	36.7

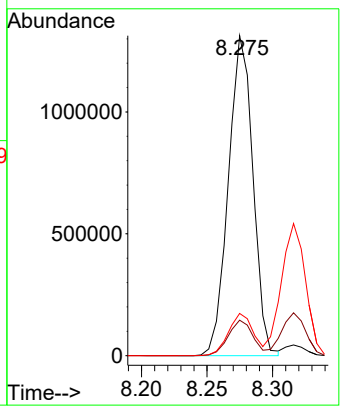




#31
Naphthalene
Concen: 70.704 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:128 Resp: 171116

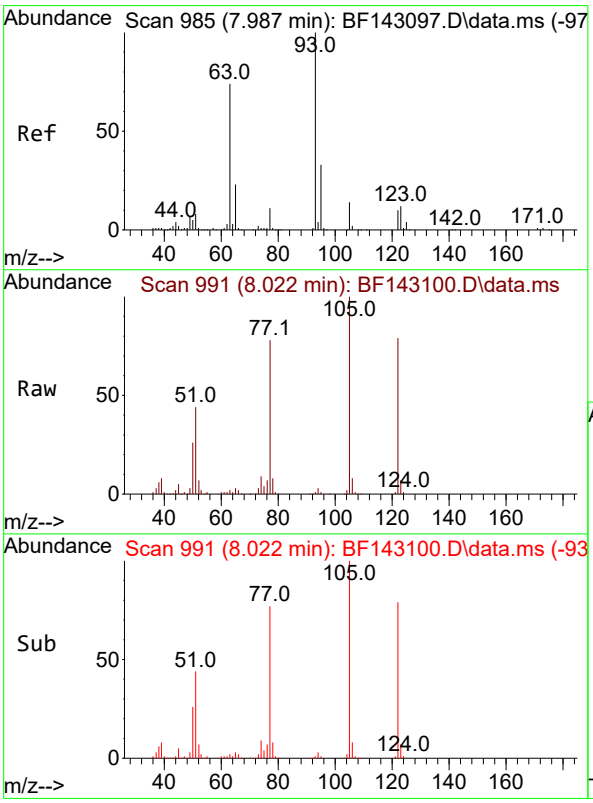
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

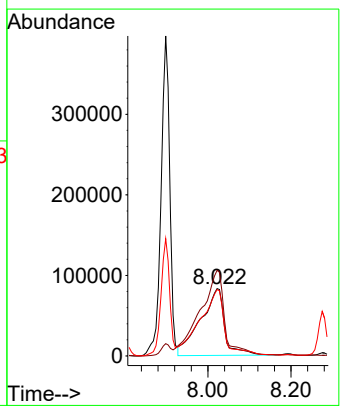
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

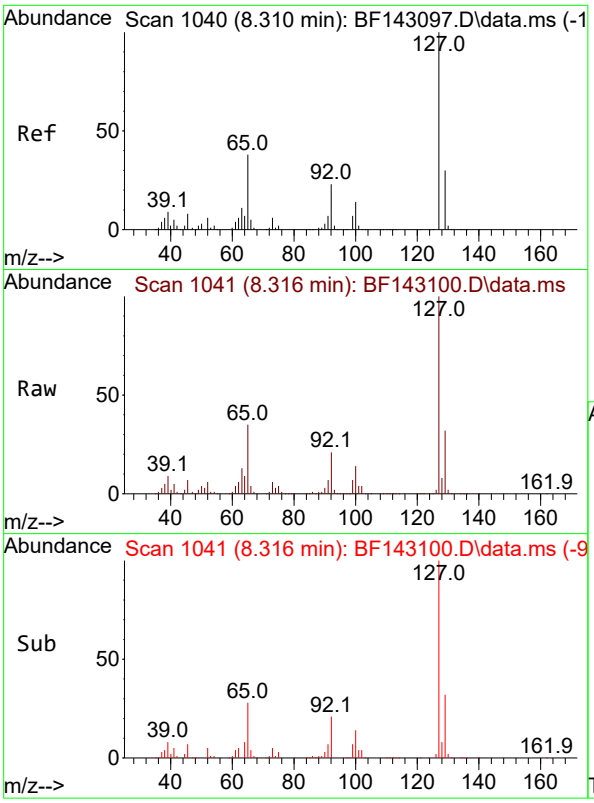


#32
Benzoic acid
Concen: 81.374 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.035 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:122 Resp: 336178

Ion	Ratio	Lower	Upper
122	100		
105	127.0	105.4	145.4
77	98.6	78.6	118.6

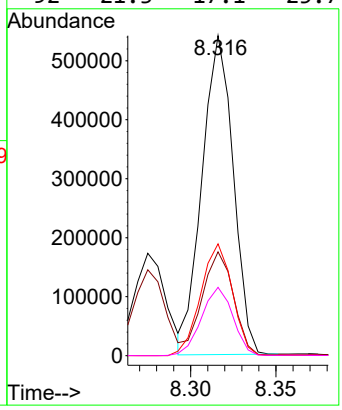




#33
4-Chloroaniline
Concen: 70.795 ng
RT: 8.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:127 Resp: 68899

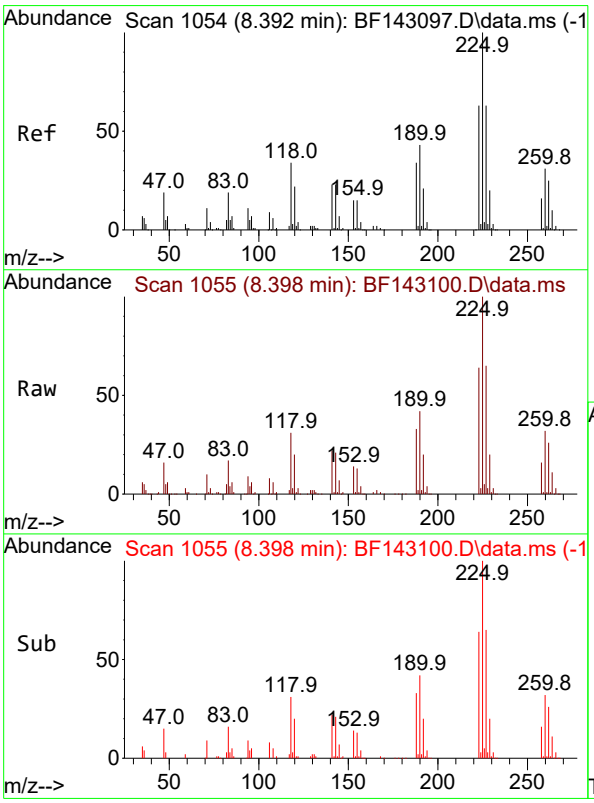
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	35.0	28.6	42.8
92	21.3	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

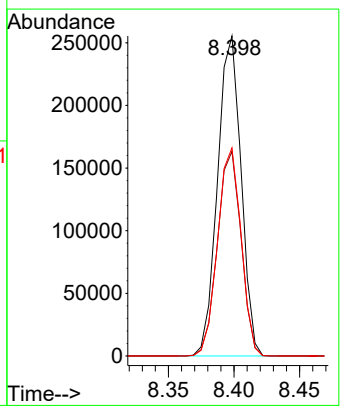
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

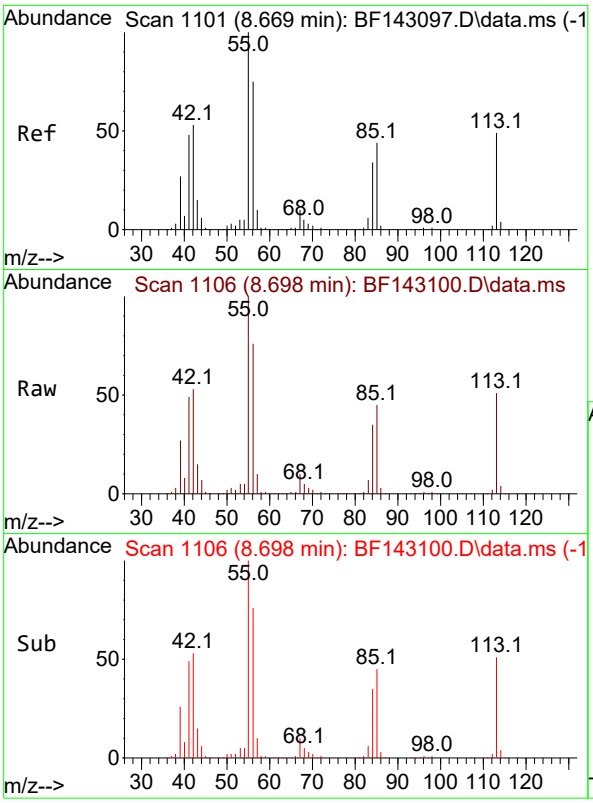


#34
Hexachlorobutadiene
Concen: 73.546 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:225 Resp: 318274

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.3	75.5
227	65.0	50.1	75.1

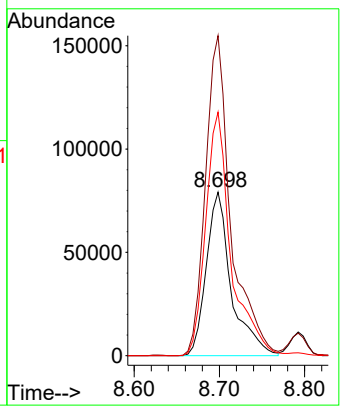




#35
Caprolactam
Concen: 81.097 ng
RT: 8.698 min Scan# 1
Delta R.T. 0.030 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:113 Resp: 16146

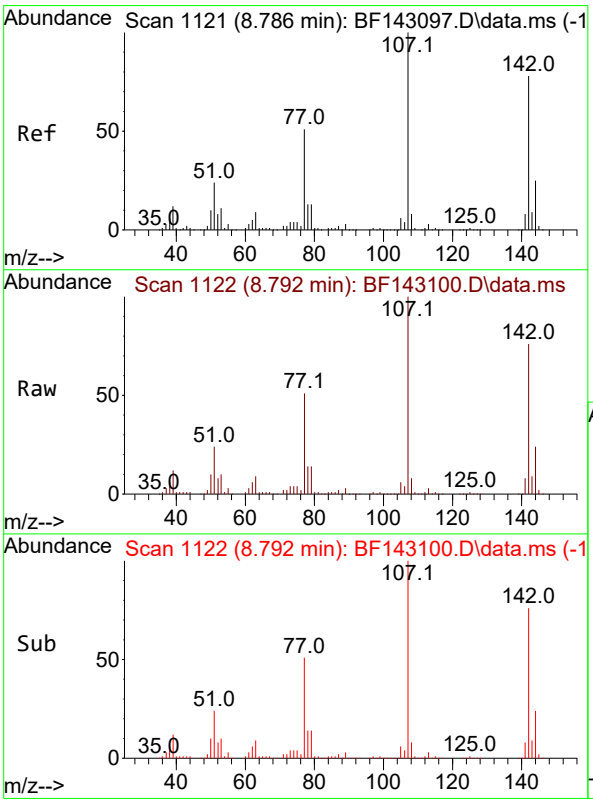
Ion	Ratio	Lower	Upper
113	100		
55	195.6	186.2	226.2
56	148.8	134.1	174.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

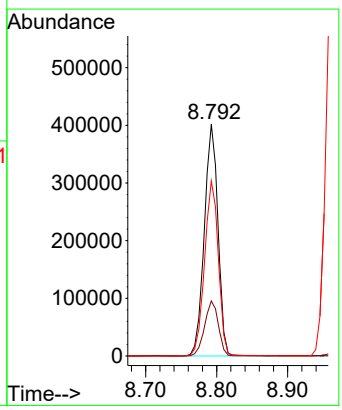
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

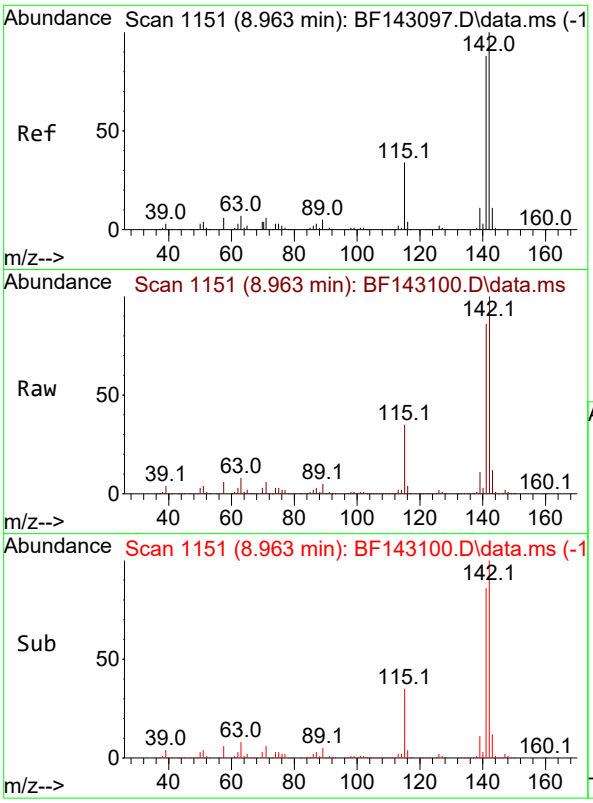


#36
4-Chloro-3-methylphenol
Concen: 75.937 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 539340

Ion	Ratio	Lower	Upper
107	100		
144	23.8	20.2	30.2
142	75.5	62.4	93.6





#37
2-Methylnaphthalene
Concen: 70.738 ng
RT: 8.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

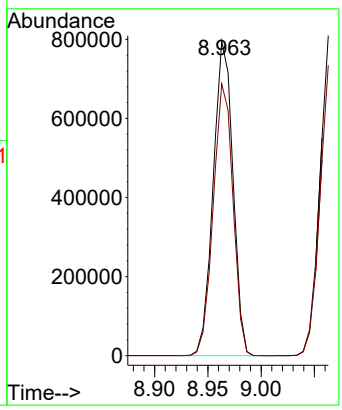
Tgt Ion:142 Resp: 102131

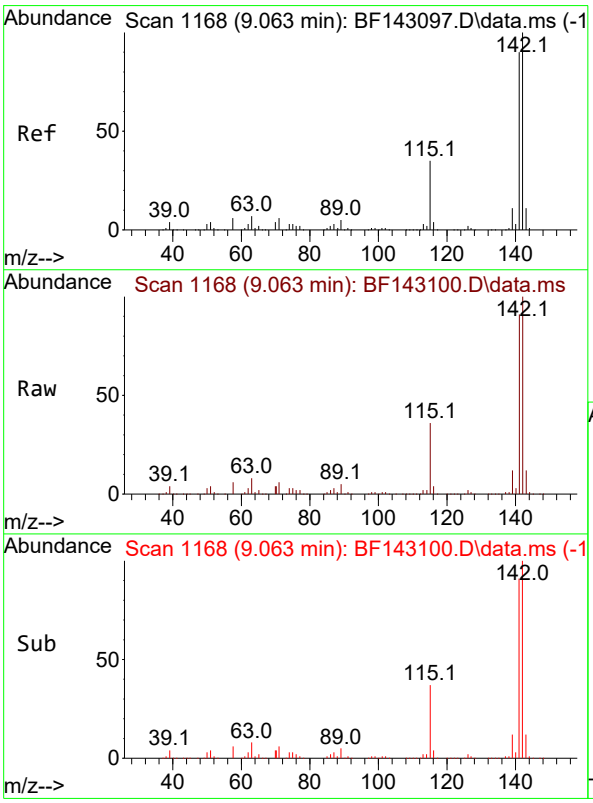
Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.2	105.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

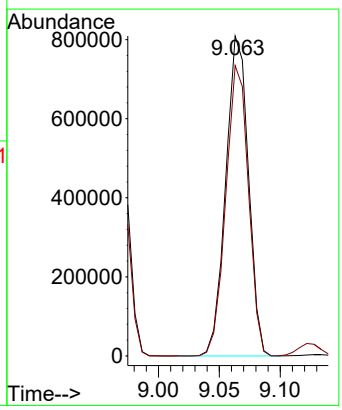


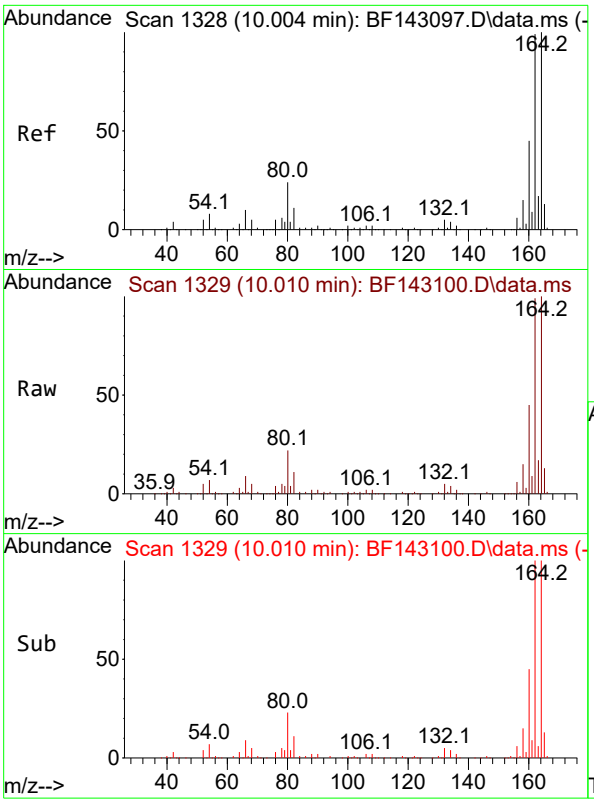


#38
1-Methylnaphthalene
Concen: 69.955 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:142 Resp: 1047560

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.4

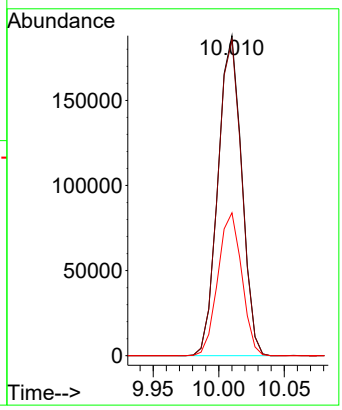




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:164 Resp: 23626

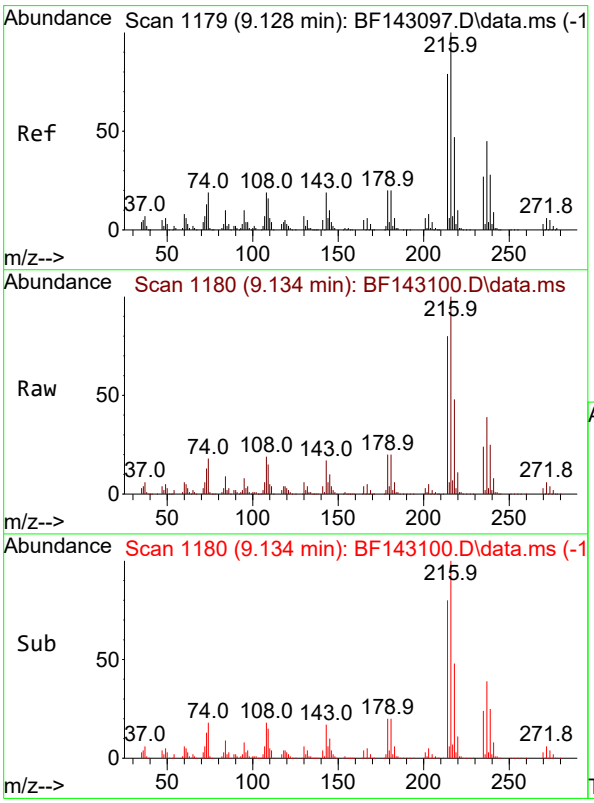
Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.6
160	44.7	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

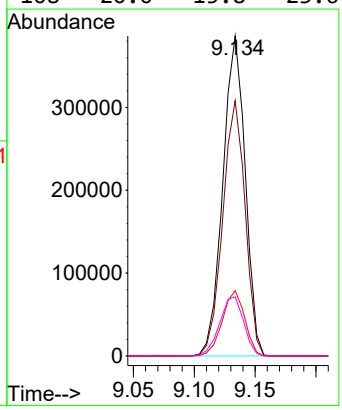
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

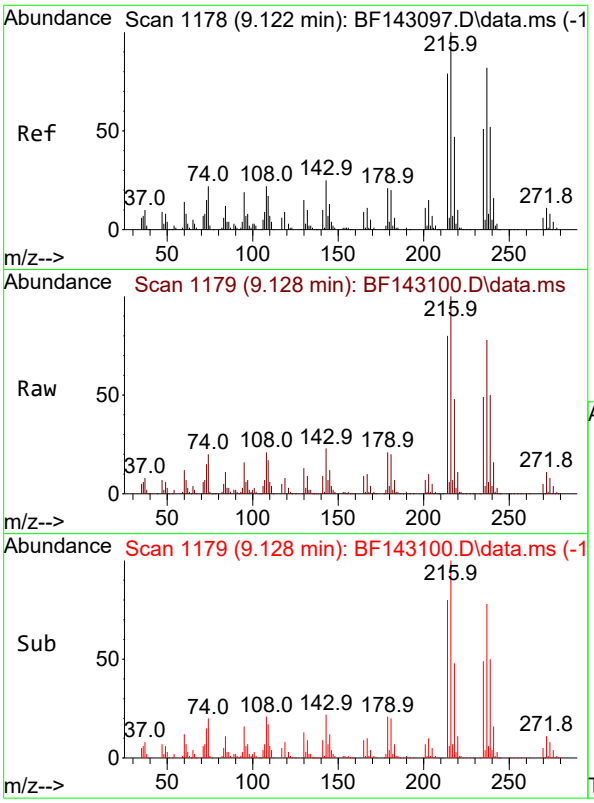


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.639 ng
RT: 9.134 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:216 Resp: 493246

Ion	Ratio	Lower	Upper
216	100		
214	79.8	62.6	94.0
179	20.5	16.2	24.2
108	20.0	15.8	23.6





#41
Hexachlorocyclopentadiene
Concen: 85.103 ng
RT: 9.128 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

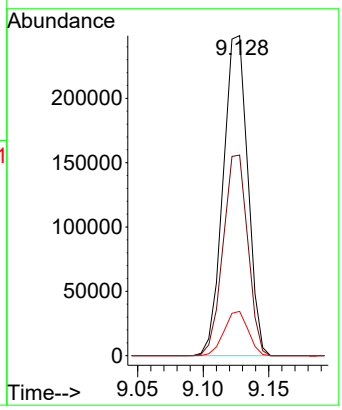
Tgt Ion:237 Resp: 32486

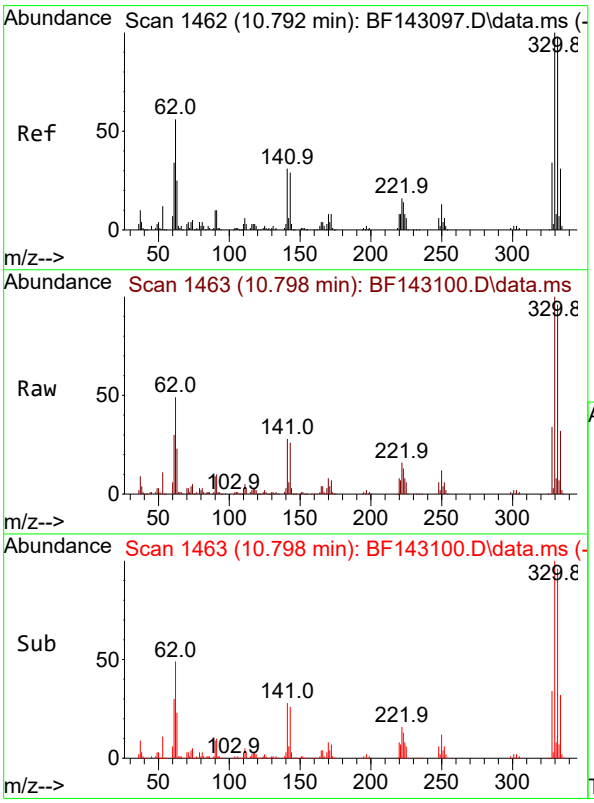
Ion	Ratio	Lower	Upper
237	100		
235	62.7	41.6	81.6
272	13.8	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

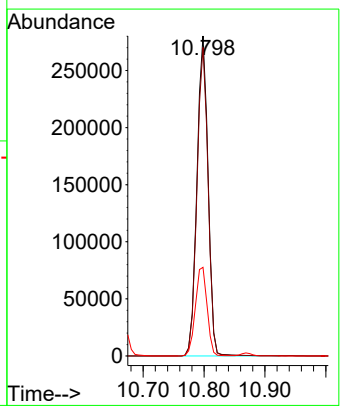


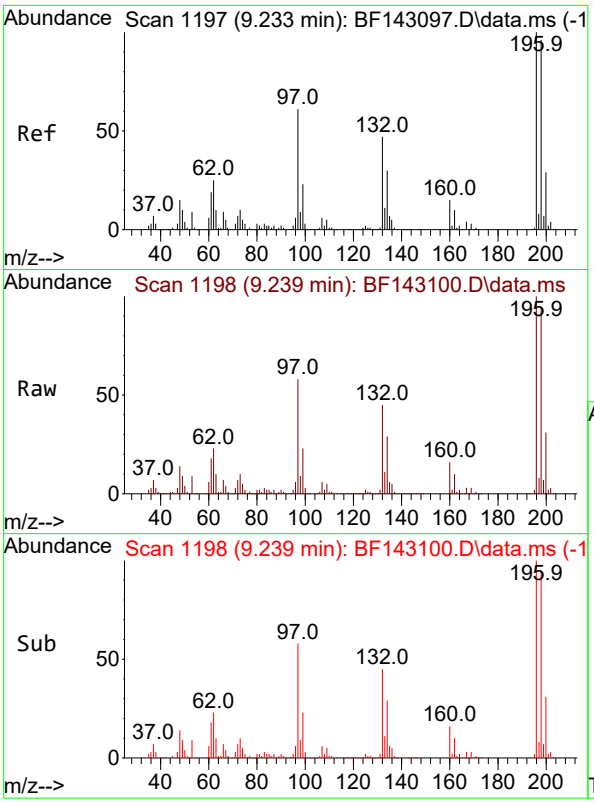


#42
2,4,6-Tribromophenol
Concen: 168.911 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:330 Resp: 355830

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.9	116.9
141	29.2	25.9	38.9

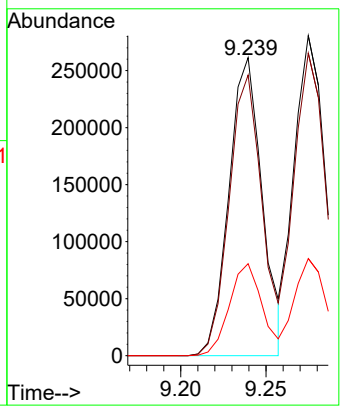




#43
2,4,6-Trichlorophenol
Concen: 83.176 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:196 Resp: 35583

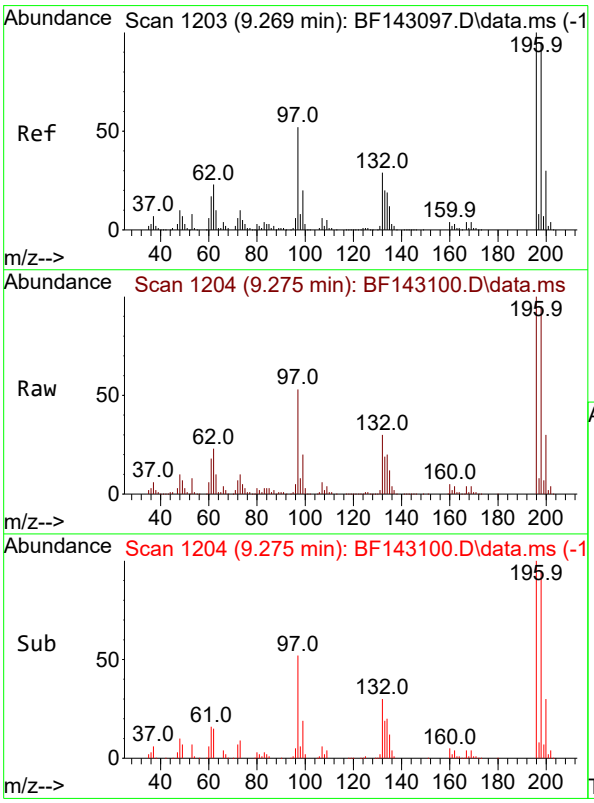
Ion	Ratio	Lower	Upper
196	100		
198	94.1	76.9	115.3
200	30.9	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

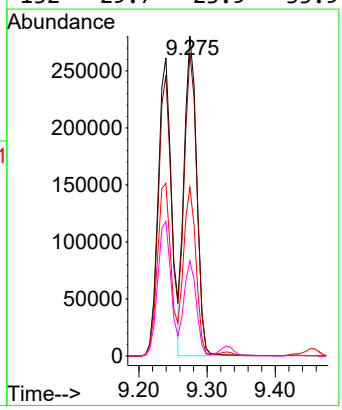
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

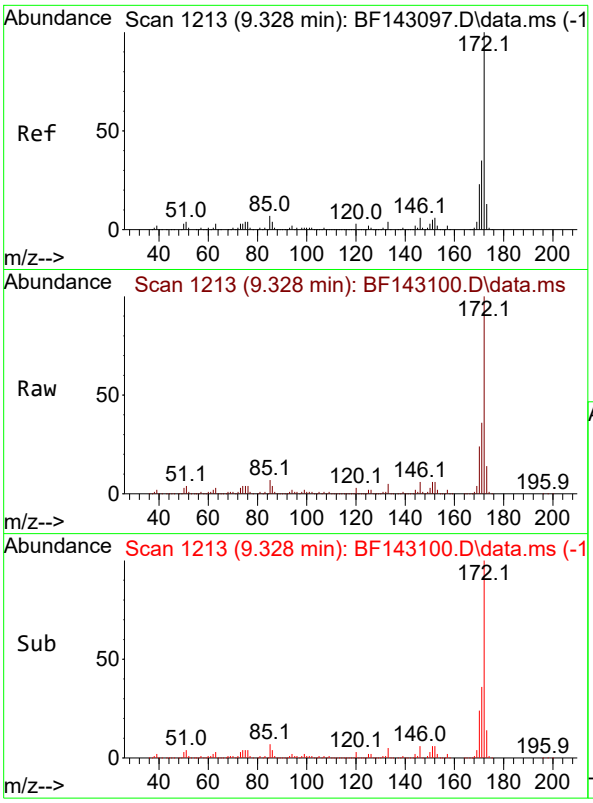


#44
2,4,5-Trichlorophenol
Concen: 79.651 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:196 Resp: 357298

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.4	114.6
97	52.7	42.4	63.6
132	29.7	23.9	35.9

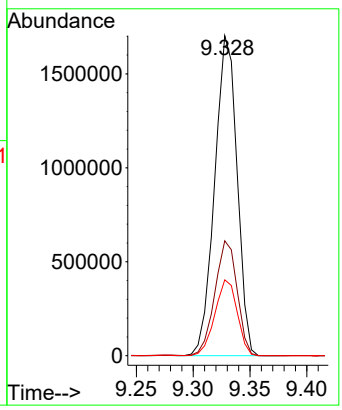




#45
2-Fluorobiphenyl
Concen: 131.609 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:172 Resp: 233915

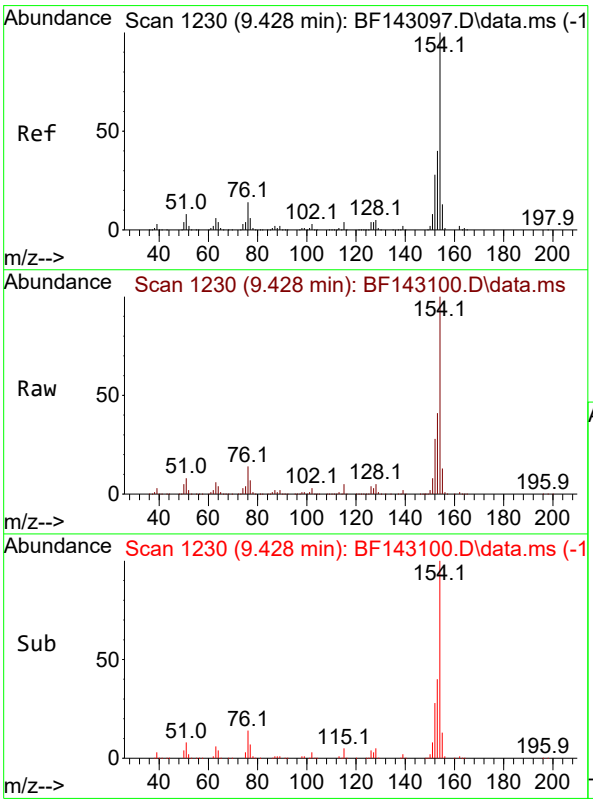
Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.4
170	23.7	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

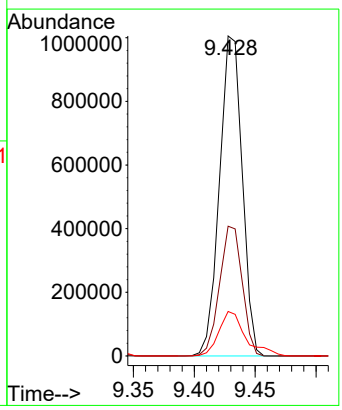
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

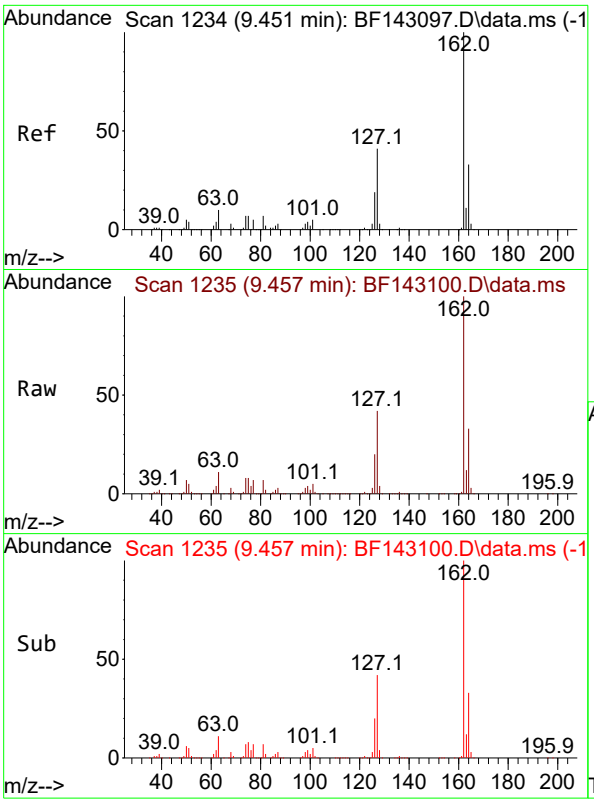


#46
1,1'-Biphenyl
Concen: 69.419 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 1307947

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.1	60.1
76	13.9	0.0	33.7

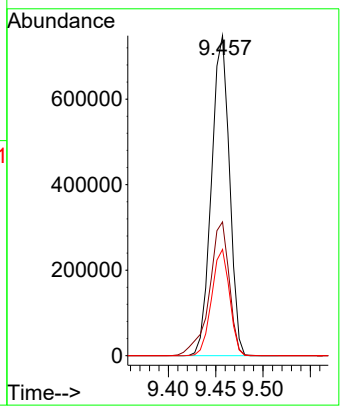




#47
2-Chloronaphthalene
Concen: 71.557 ng
RT: 9.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:162 Resp: 99043

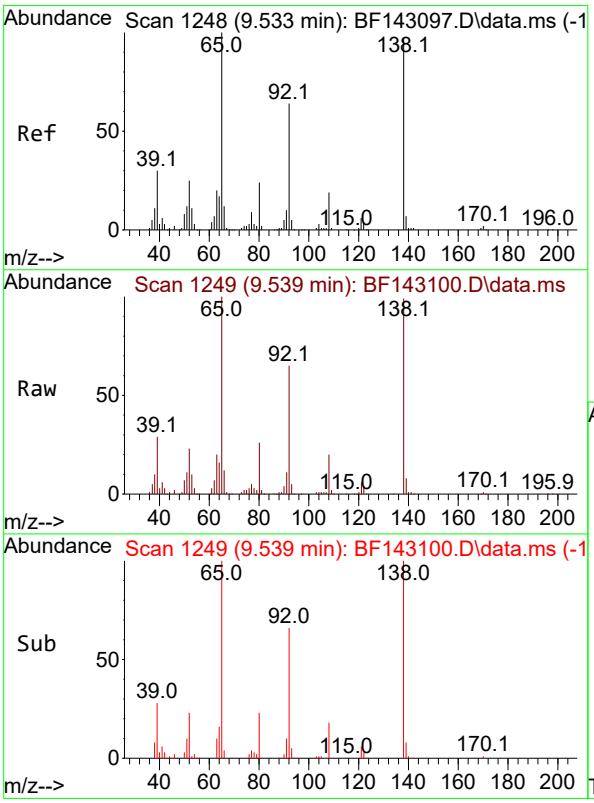
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.0	49.6
164	33.2	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

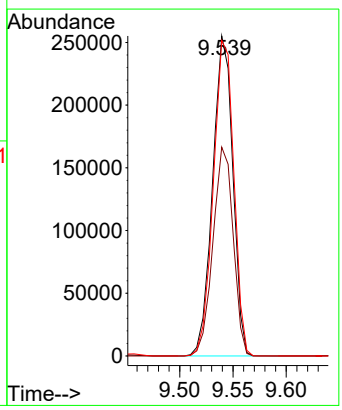
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

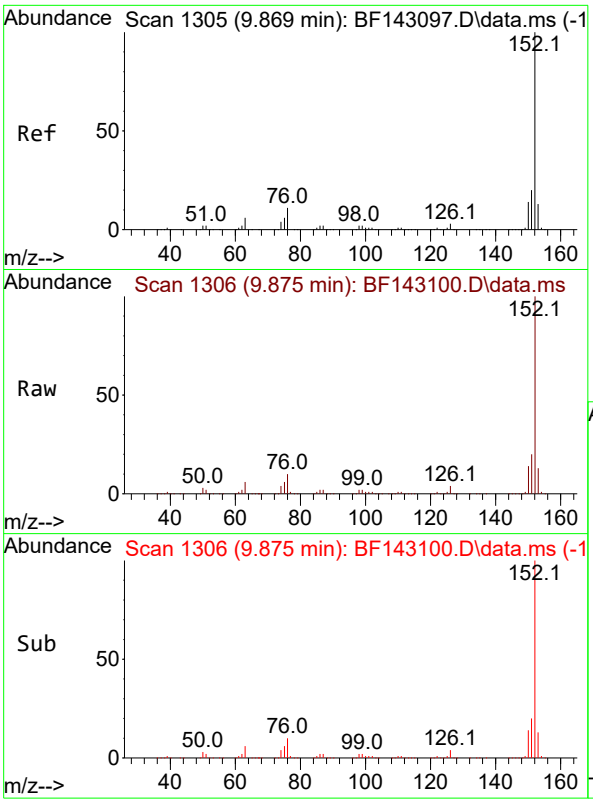


#48
2-Nitroaniline
Concen: 79.074 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 65 Resp: 335875

Ion	Ratio	Lower	Upper
65	100		
92	65.2	51.3	76.9
138	98.6	77.8	116.6

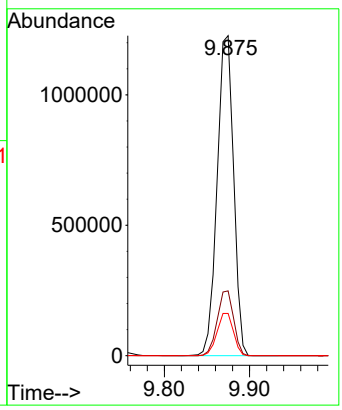




#49
Acenaphthylene
Concen: 71.544 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:152 Resp: 165097

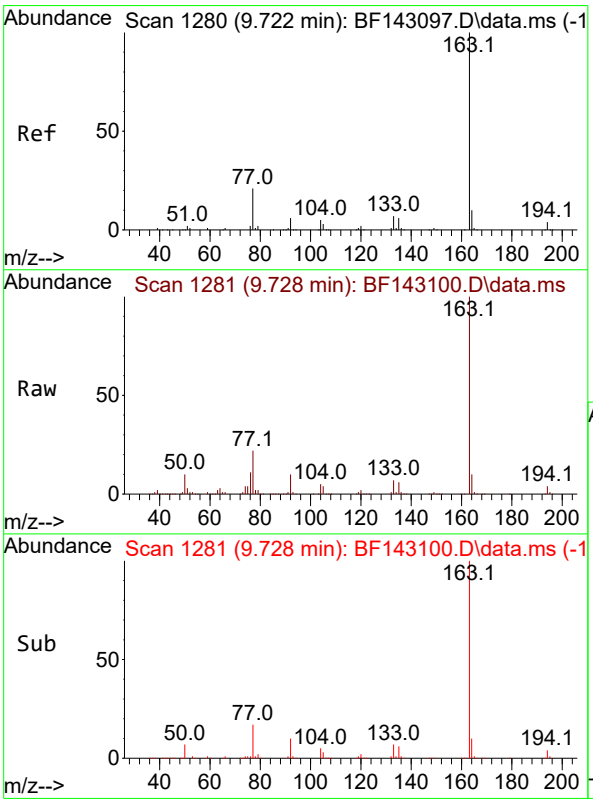
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.2	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

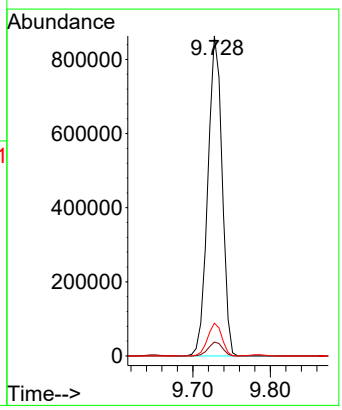
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

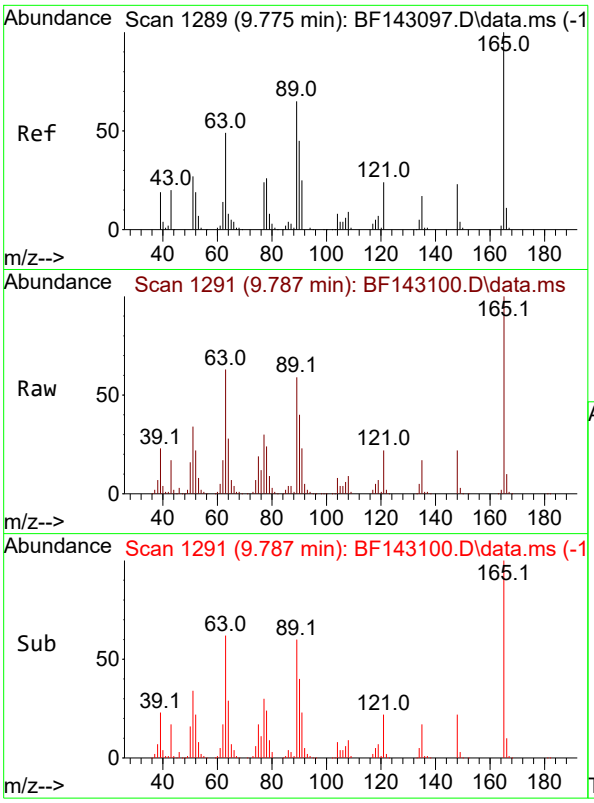


#50
Dimethylphthalate
Concen: 74.327 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:163 Resp: 1104756

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.2	12.2

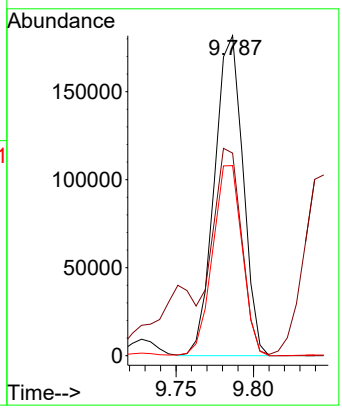




#51
2,6-Dinitrotoluene
Concen: 77.660 ng
RT: 9.787 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:165 Resp: 23347

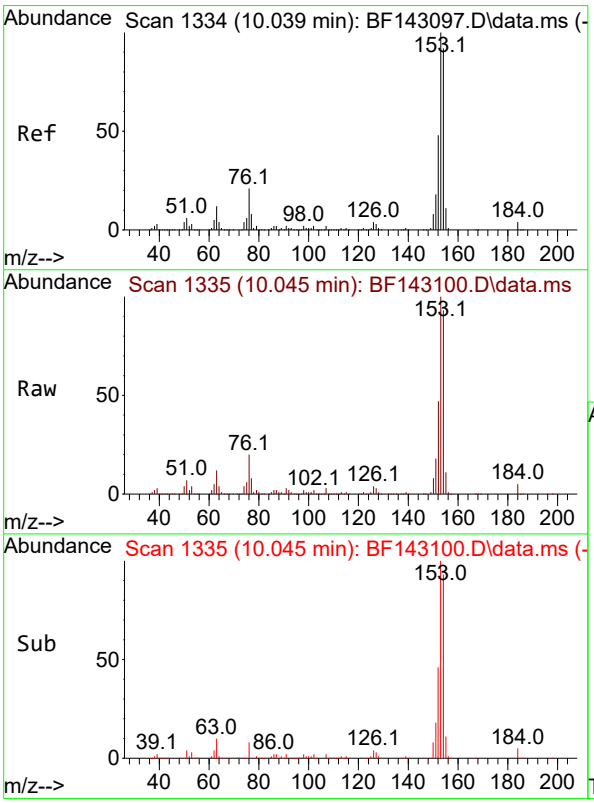
Ion	Ratio	Lower	Upper
165	100		
63	63.3	57.4	86.0
89	59.4	51.8	77.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

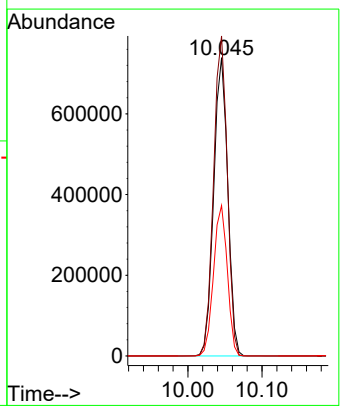
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

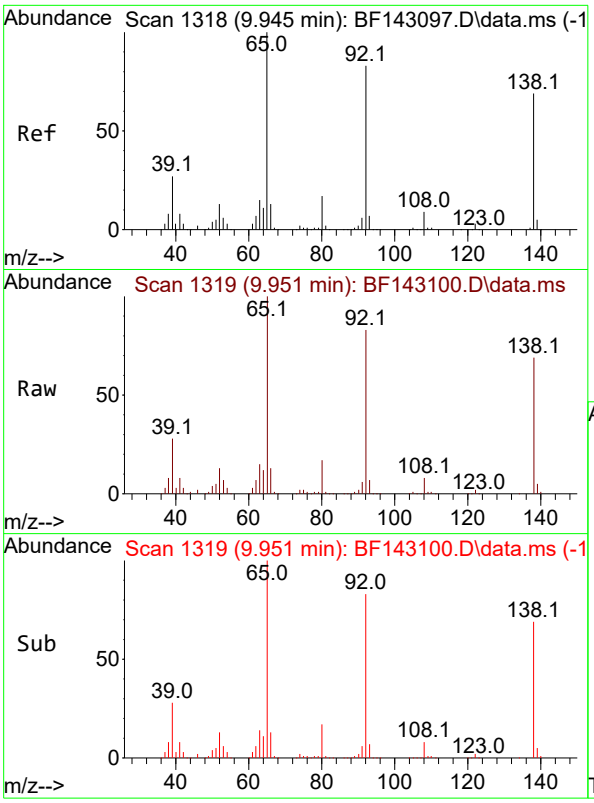


#52
Acenaphthene
Concen: 71.657 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 975285

Ion	Ratio	Lower	Upper
154	100		
153	107.3	86.7	130.1
152	50.5	41.4	62.2

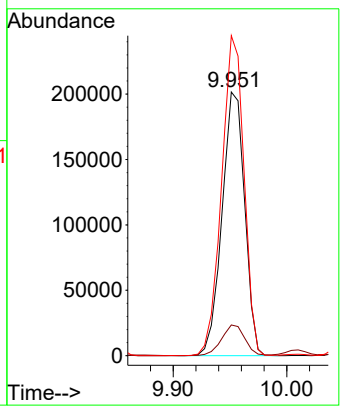




#53
3-Nitroaniline
Concen: 86.920 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:138 Resp: 27916

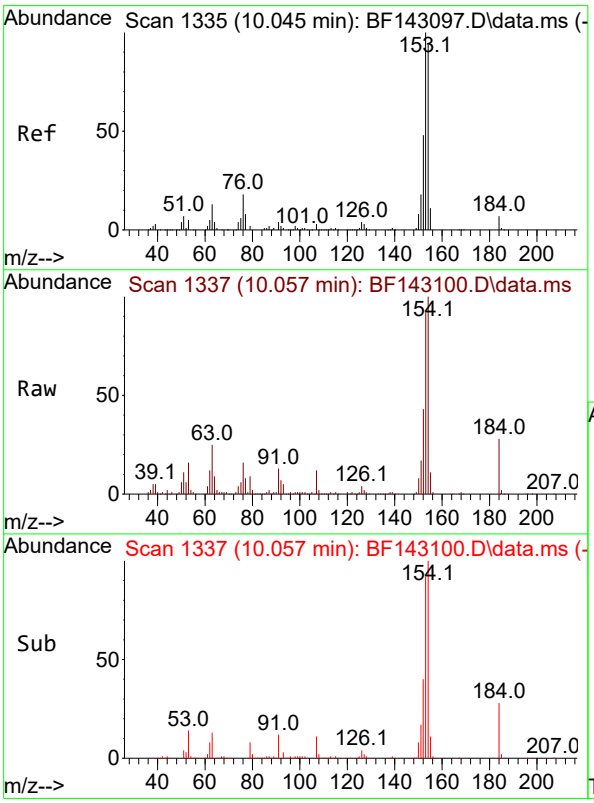
Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.1	15.1
92	121.4	96.4	144.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

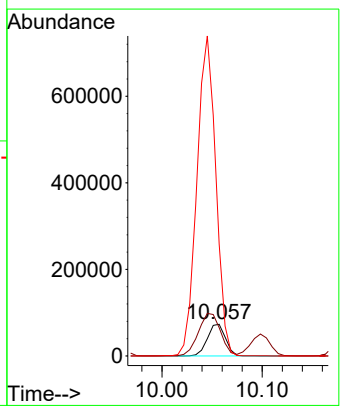
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

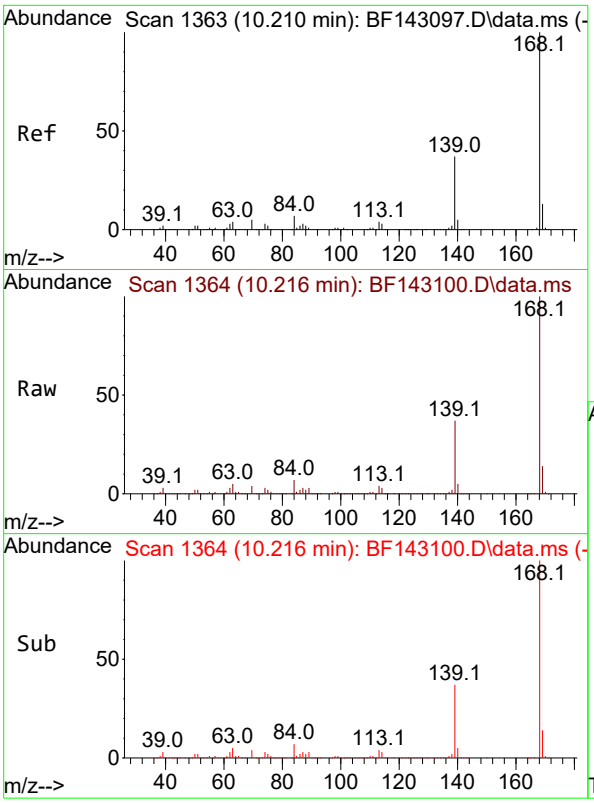


#54
2,4-Dinitrophenol
Concen: 79.064 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:184 Resp: 91751

Ion	Ratio	Lower	Upper
184	100		
63	89.3	149.3	223.9#
154	352.7	1048.0	1572.0#

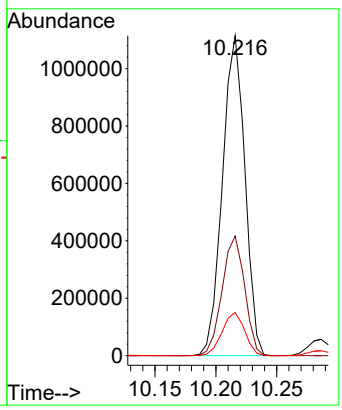




#55
Dibenzofuran
Concen: 70.610 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:168 Resp: 143245

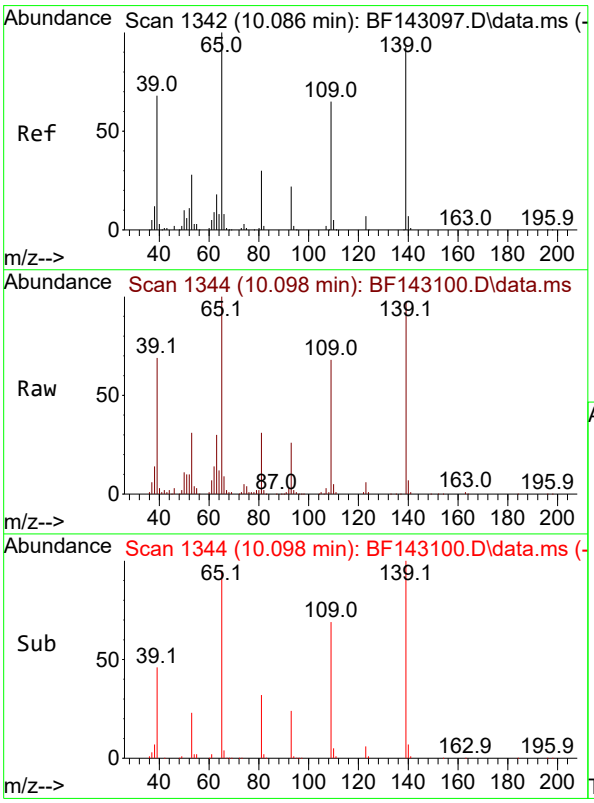
Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.8	44.6
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

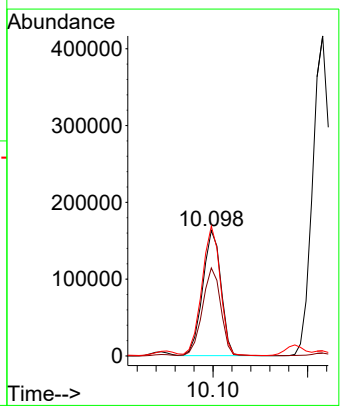
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

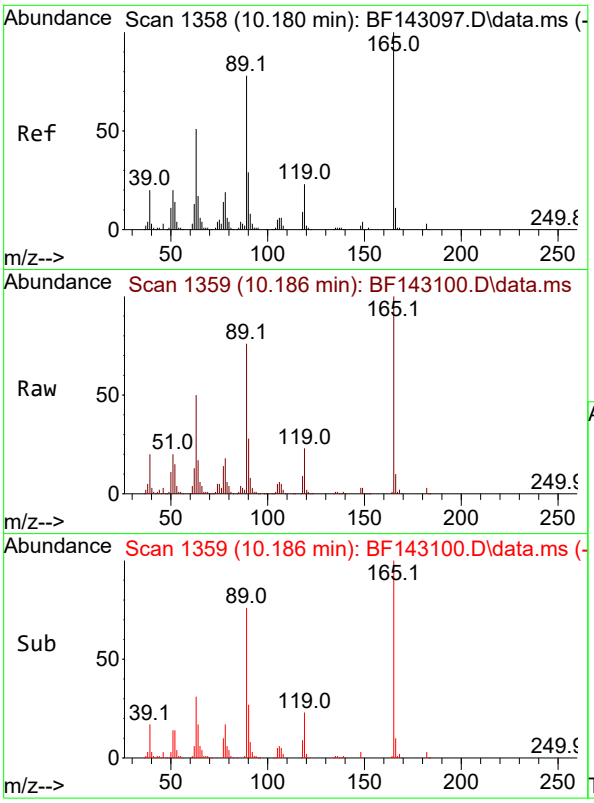


#56
4-Nitrophenol
Concen: 85.886 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 219224

Ion	Ratio	Lower	Upper
139	100		
109	70.2	49.4	89.4
65	103.6	88.2	128.2

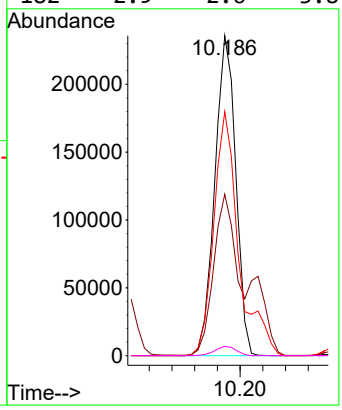




#57
2,4-Dinitrotoluene
Concen: 80.048 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:165 Resp: 30255

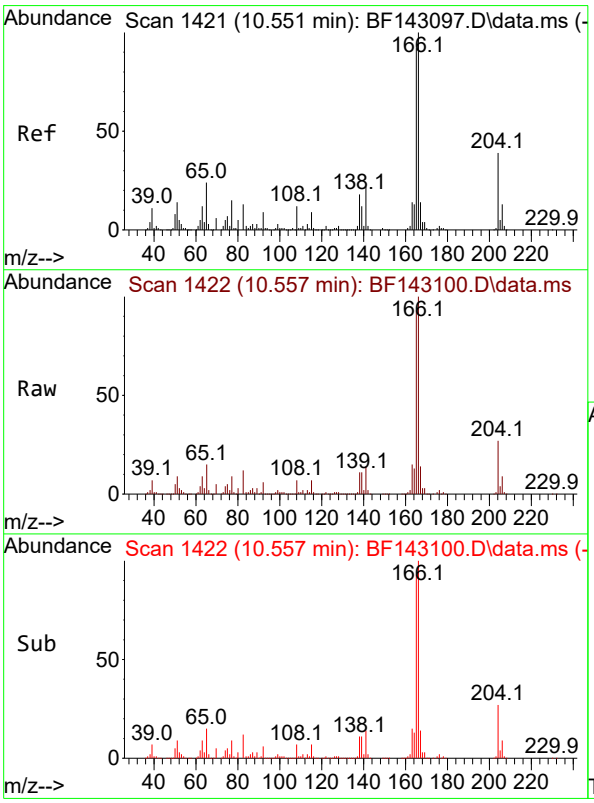
Ion	Ratio	Lower	Upper
165	100		
63	50.4	40.6	61.0
89	76.3	62.3	93.5
182	2.9	2.6	3.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

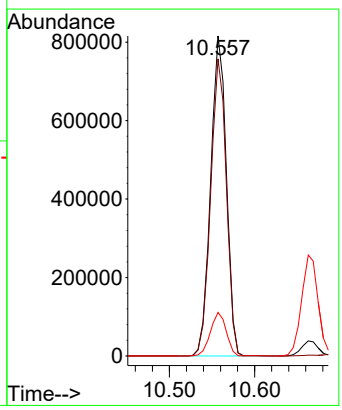
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

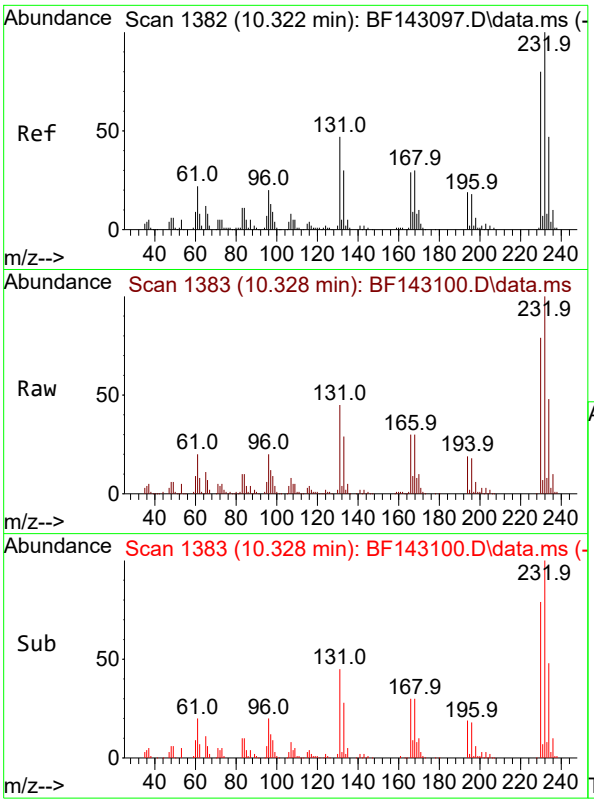


#58
Fluorene
Concen: 68.640 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:166 Resp: 1043990

Ion	Ratio	Lower	Upper
166	100		
165	92.9	73.7	110.5
167	13.6	10.9	16.3

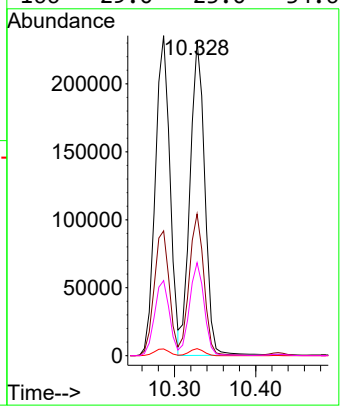




#59
2,3,4,6-Tetrachlorophenol
Concen: 81.893 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:232 Resp: 29193

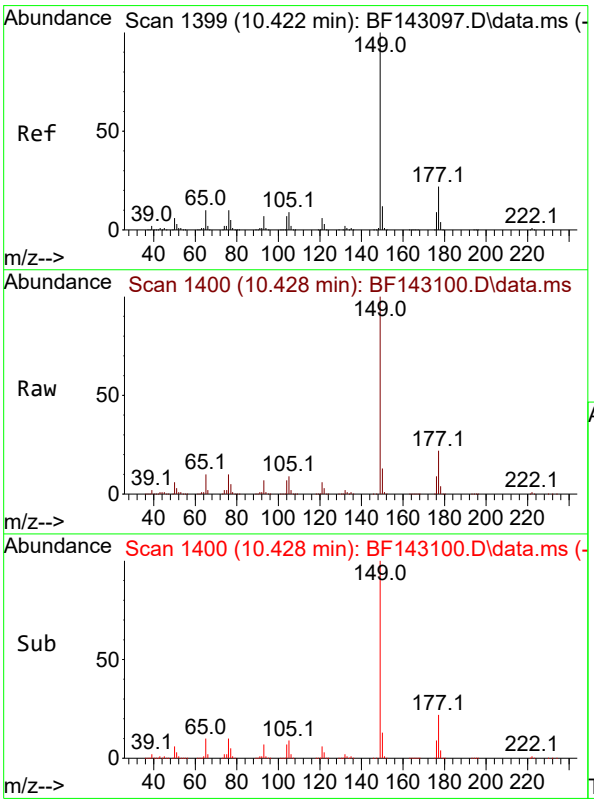
Ion	Ratio	Lower	Upper
232	100		
131	44.7	36.9	55.3
130	2.2	1.8	2.8
166	29.0	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

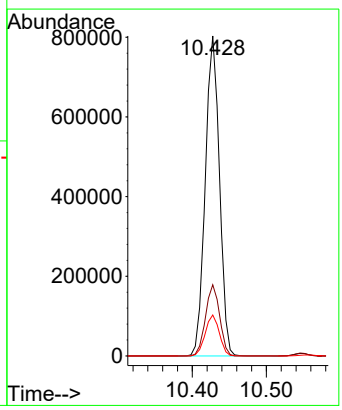
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

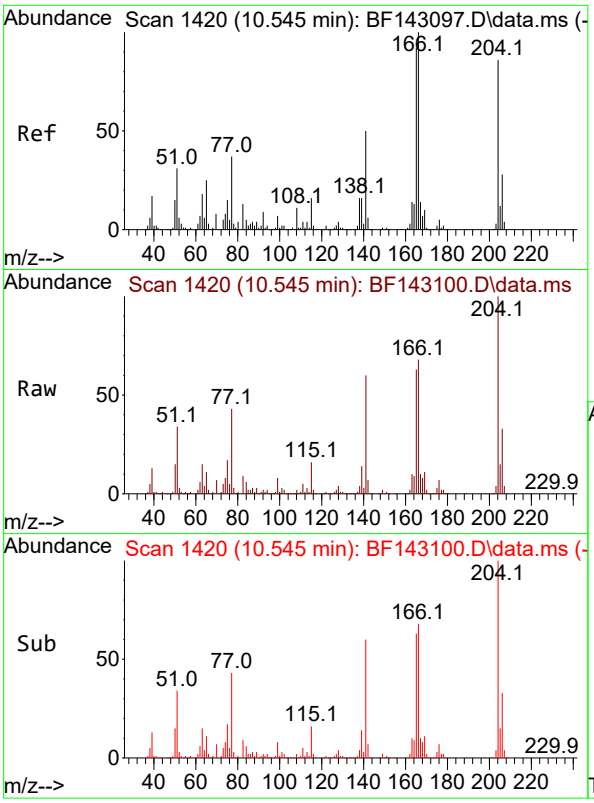


#60
Diethylphthalate
Concen: 74.464 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1067815

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.3	25.9
150	12.8	9.9	14.9

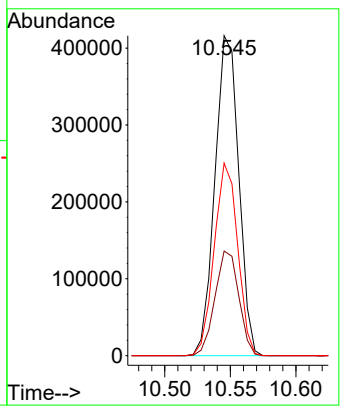




#61
4-Chlorophenyl-phenylether
Concen: 72.005 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:204 Resp: 52491

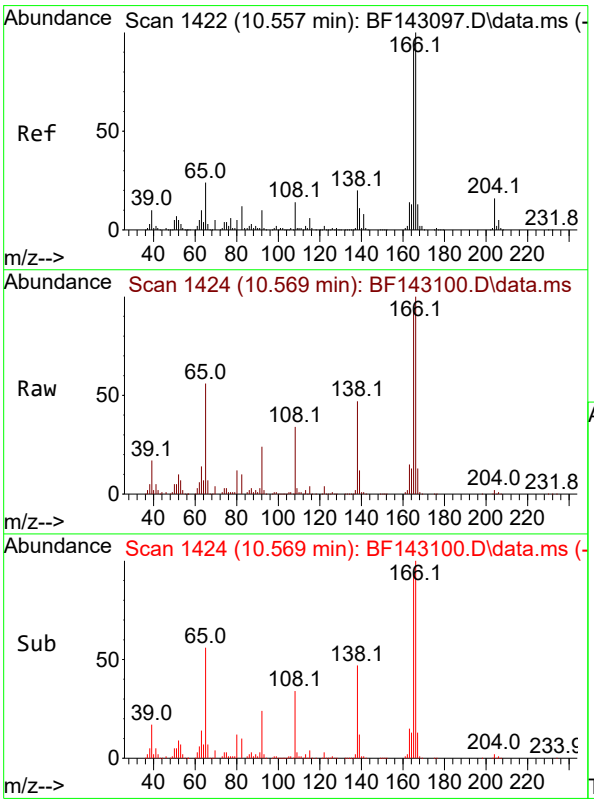
Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	60.2	46.8	70.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

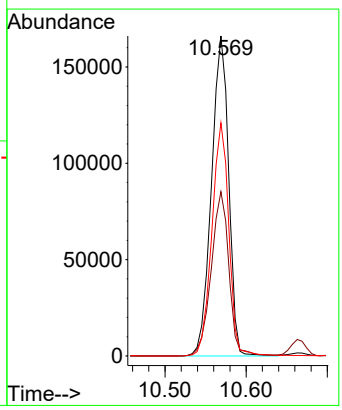
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

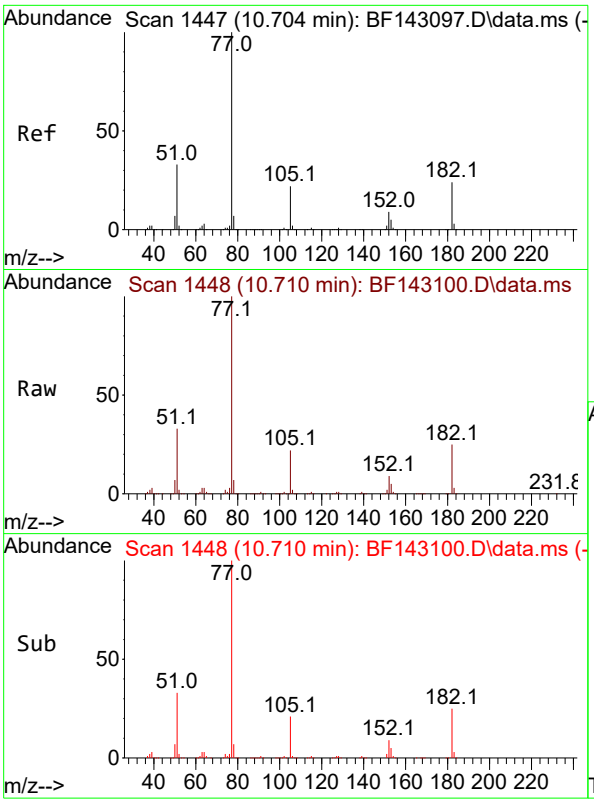


#62
4-Nitroaniline
Concen: 87.527 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:138 Resp: 244461

Ion	Ratio	Lower	Upper
138	100		
92	51.4	30.4	70.4
108	72.9	49.5	89.5

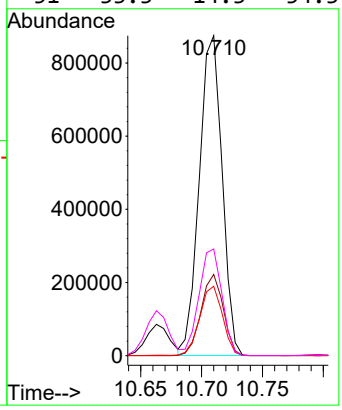




#63
Azobenzene
Concen: 71.985 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 77 Resp: 114161

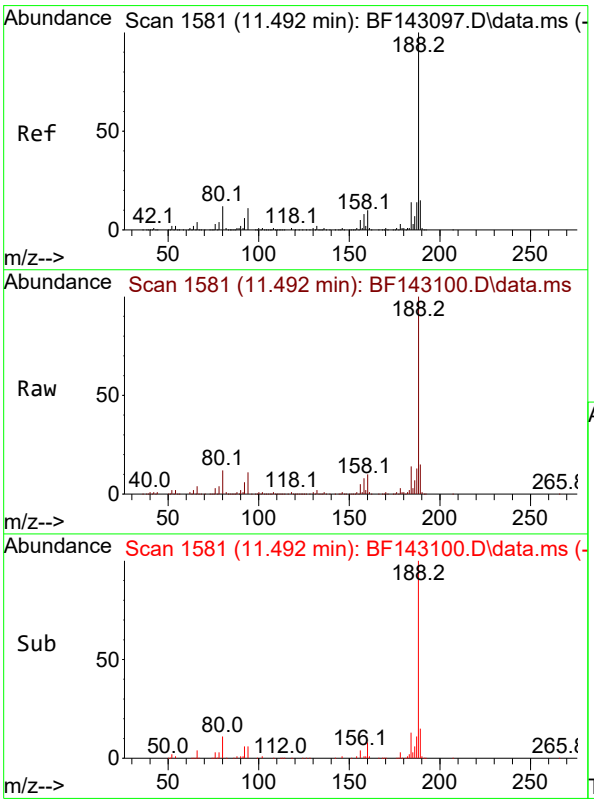
Ion	Ratio	Lower	Upper
77	100		
182	25.4	4.0	44.0
105	21.7	1.4	41.4
51	33.3	14.3	54.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

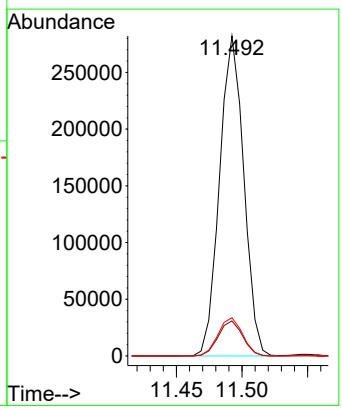
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

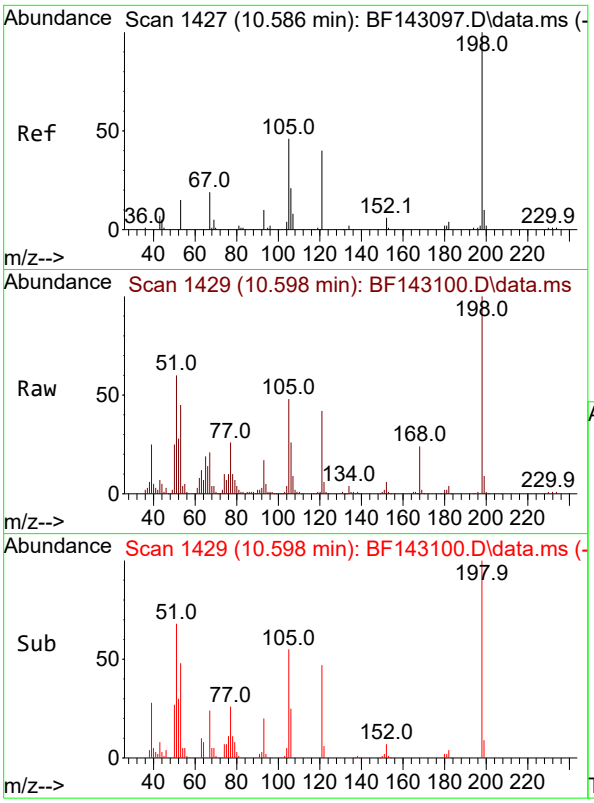


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:188 Resp: 362117

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.6	13.0
80	12.0	9.3	13.9





#65
4,6-Dinitro-2-methylphenol
Concen: 78.600 ng
RT: 10.598 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

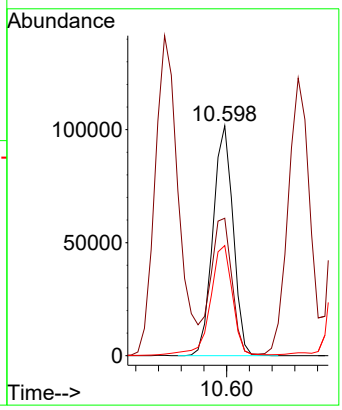
Tgt Ion:198 Resp: 12525

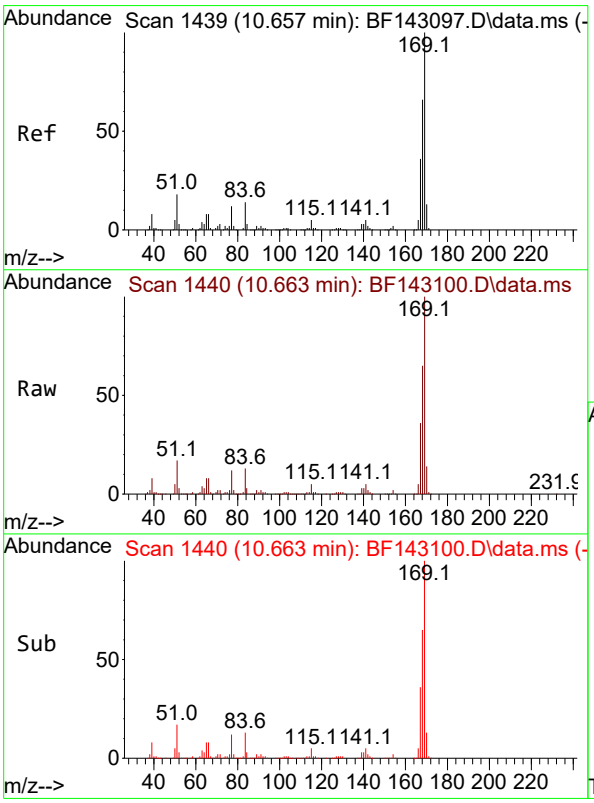
Ion	Ratio	Lower	Upper
198	100		
51	59.8	44.6	84.6
105	47.9	29.3	69.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

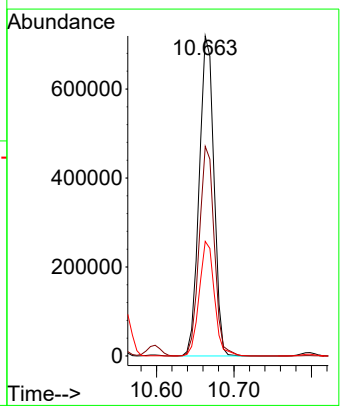


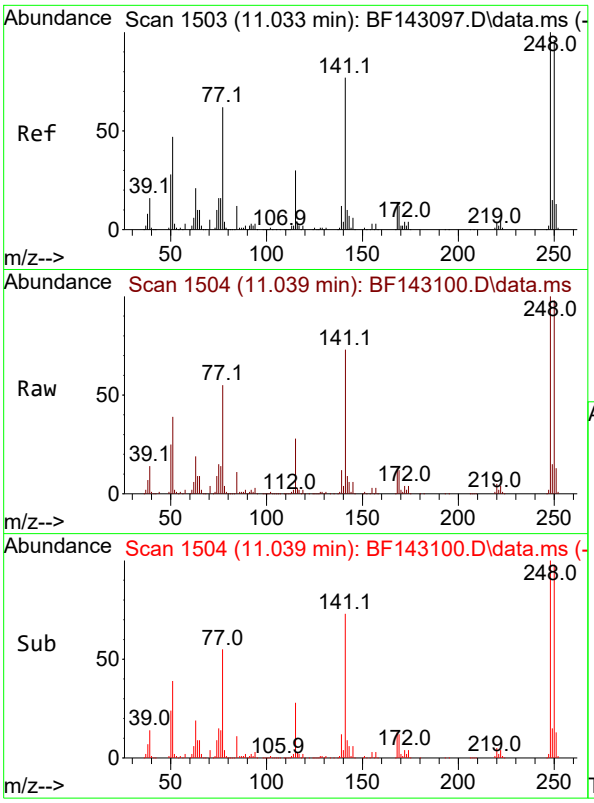


#66
n-Nitrosodiphenylamine
Concen: 74.520 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:169 Resp: 947890

Ion	Ratio	Lower	Upper
169	100		
168	65.5	53.0	79.6
167	35.8	28.4	42.6

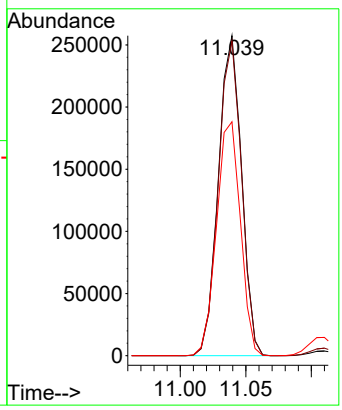




#67
4-Bromophenyl-phenylether
Concen: 76.885 ng
RT: 11.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:248 Resp: 31661

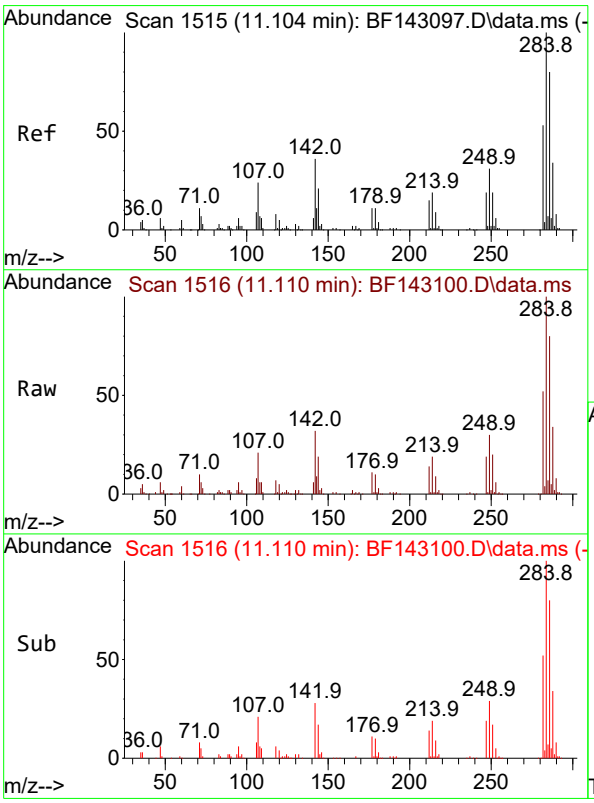
Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.7	115.1
141	73.1	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

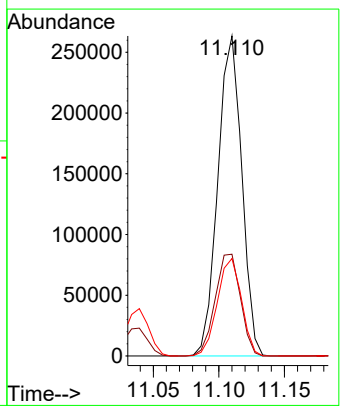
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

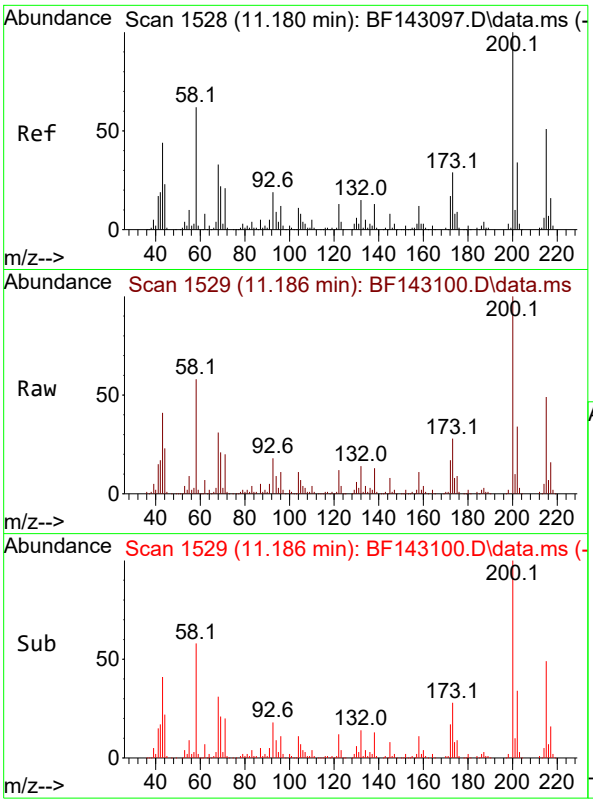


#68
Hexachlorobenzene
Concen: 76.417 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:284 Resp: 333899

Ion	Ratio	Lower	Upper
284	100		
142	31.8	28.9	43.3
249	30.5	24.6	37.0

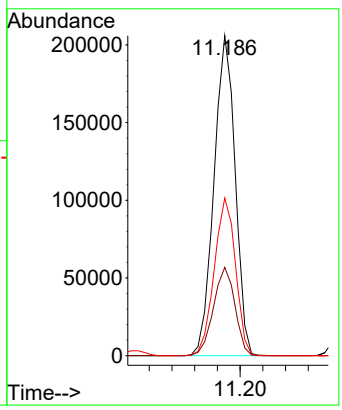




#69
Atrazine
Concen: 81.943 ng
RT: 11.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:200 Resp: 26666

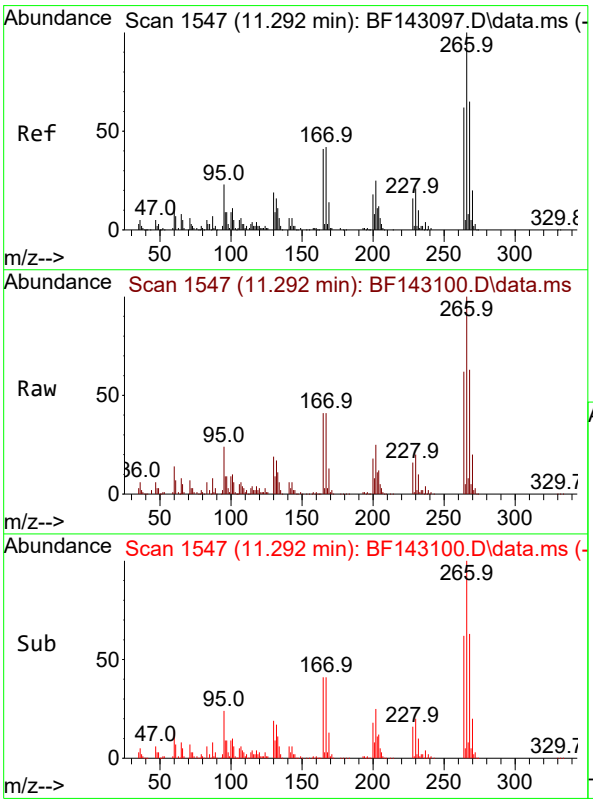
Ion	Ratio	Lower	Upper
200	100		
173	27.6	9.1	49.1
215	49.2	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

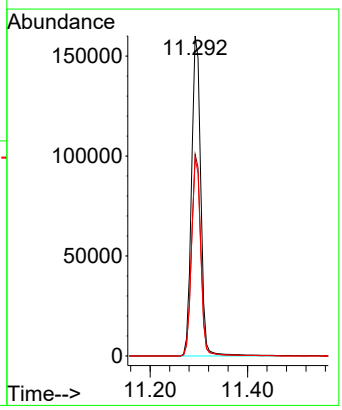
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

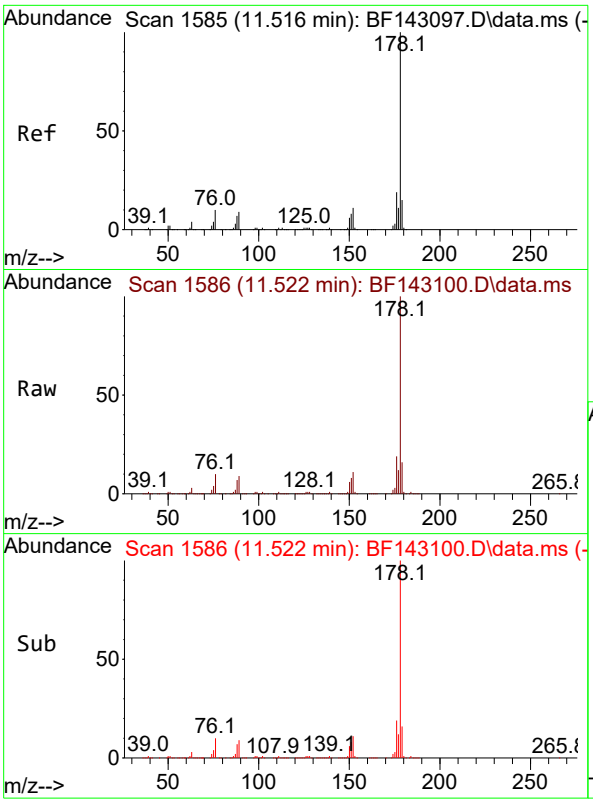


#70
Pentachlorophenol
Concen: 87.905 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:266 Resp: 210729

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.8	77.6
264	61.8	49.7	74.5

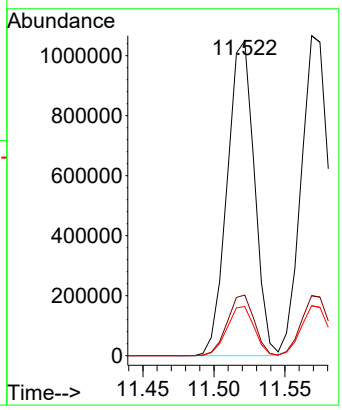




#71
Phenanthrene
Concen: 71.714 ng
RT: 11.522 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:178 Resp: 140150

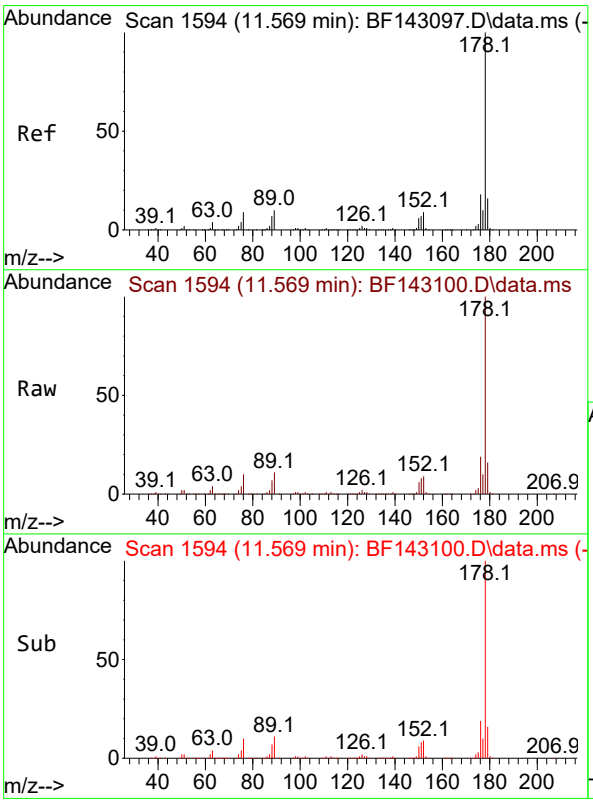
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.6	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

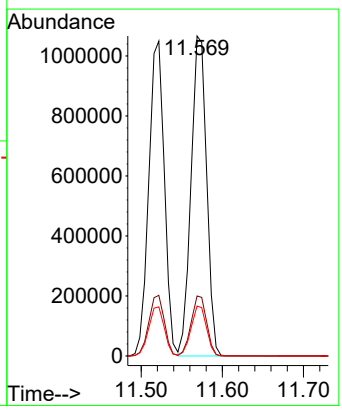
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

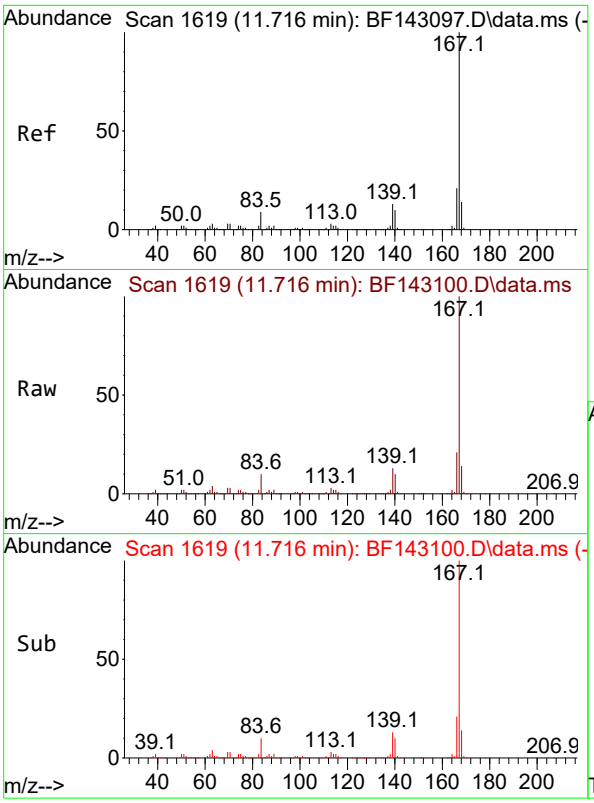


#72
Anthracene
Concen: 72.421 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:178 Resp: 1423259

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.4	18.6

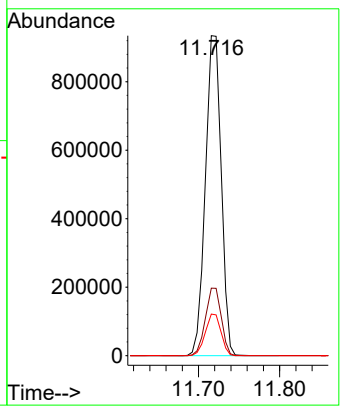




#73
Carbazole
Concen: 71.796 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:167 Resp: 126405

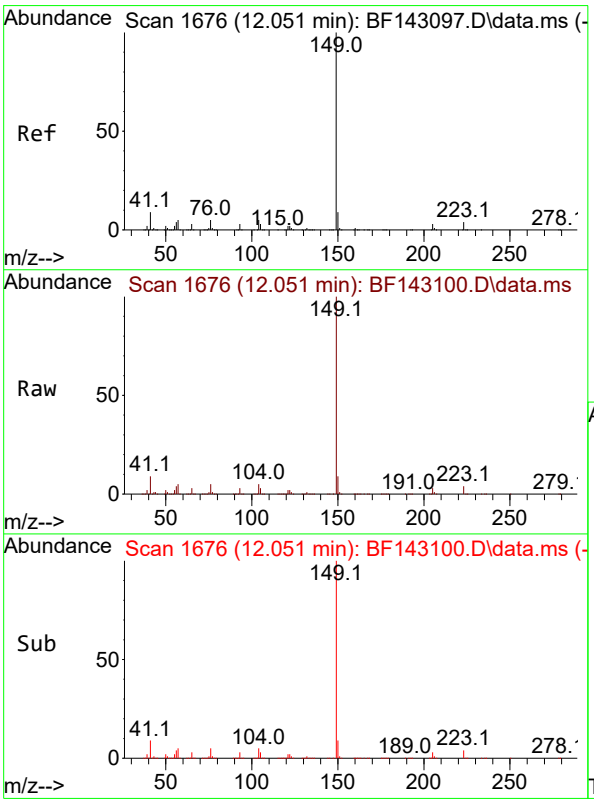
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	13.0	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

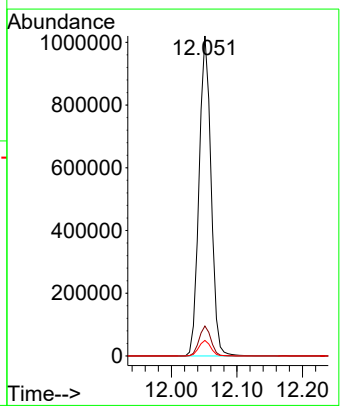
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

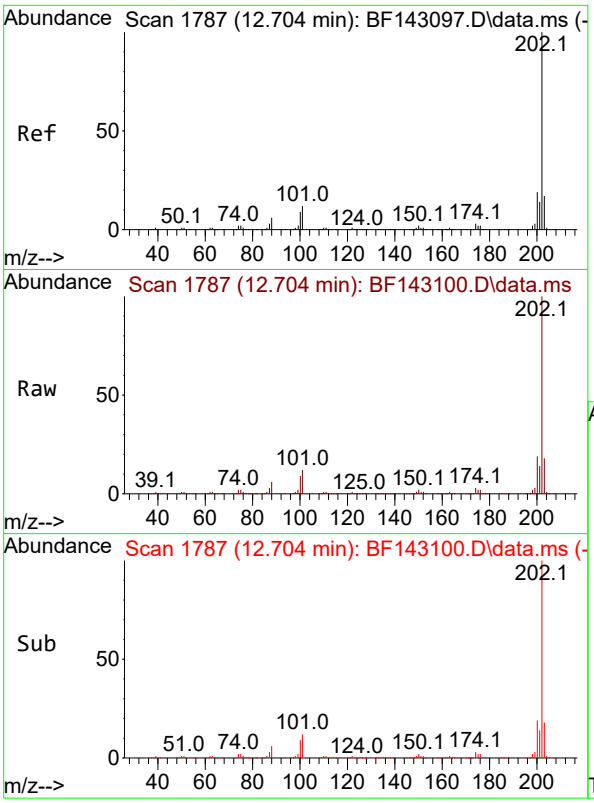


#74
Di-n-butylphthalate
Concen: 80.422 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1299711

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.8	3.8	5.8





#75
Fluoranthene
Concen: 70.821 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

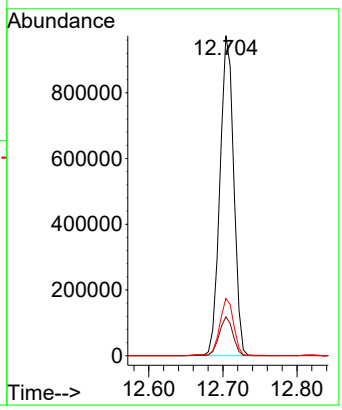
Tgt Ion:202 Resp: 125847

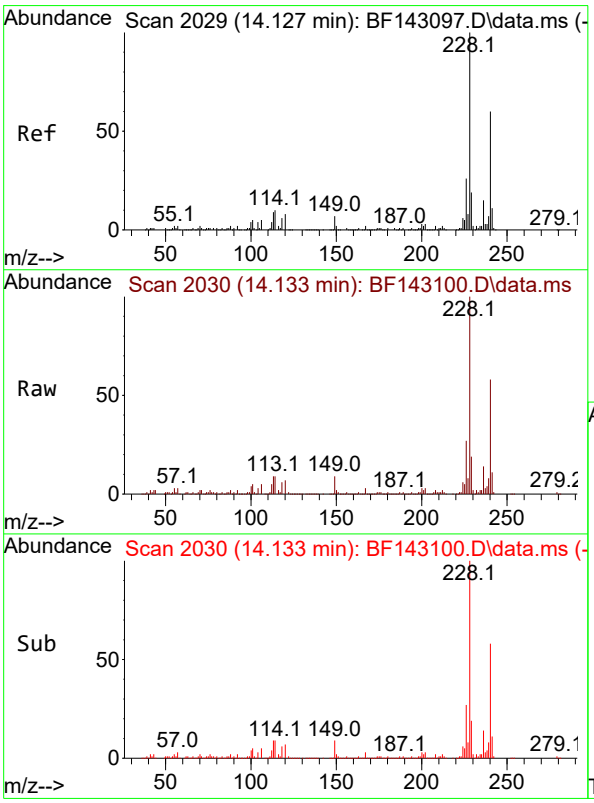
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.4
203	17.9	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

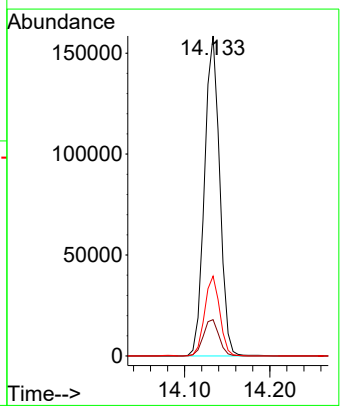


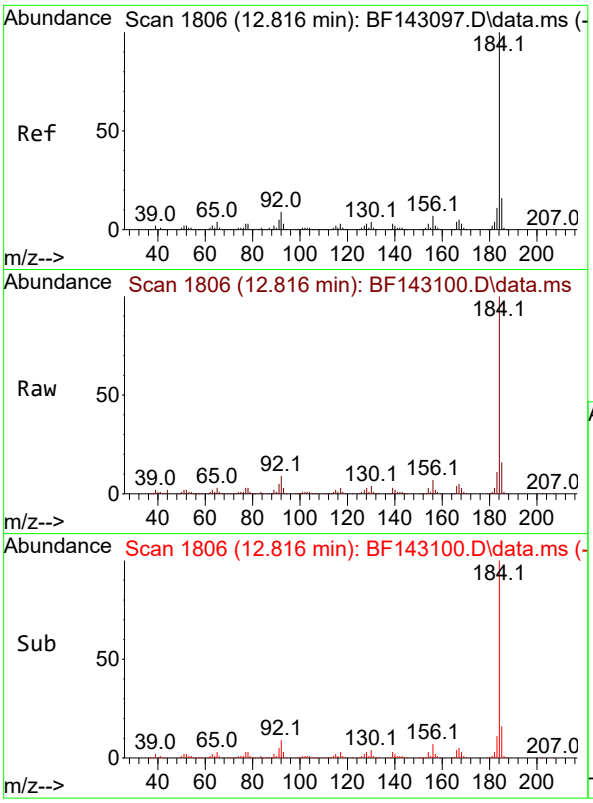


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:240 Resp: 196411

Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.0	15.0
236	25.0	20.0	30.0

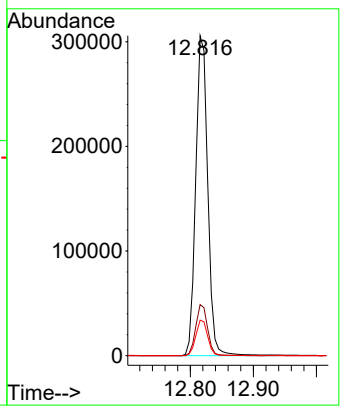




#77
Benzidine
Concen: 60.315 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:184 Resp: 40359

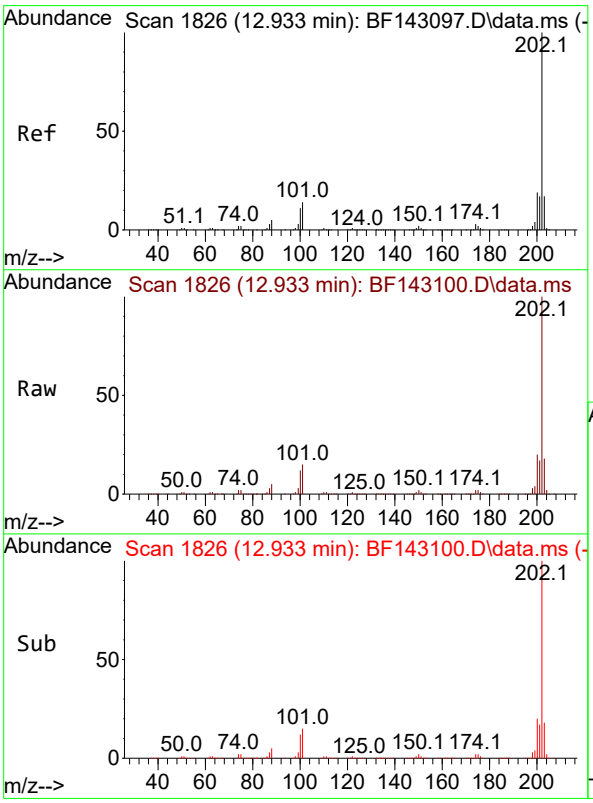
Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.4	18.6
183	11.1	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

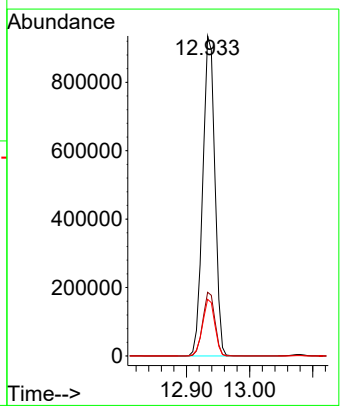
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

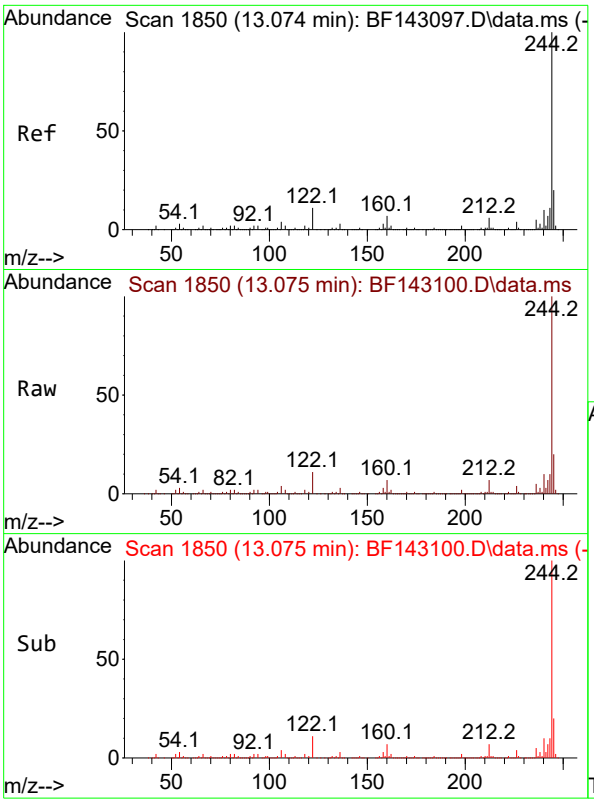


#78
Pyrene
Concen: 68.315 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:202 Resp: 1244953

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.5	23.3
203	17.7	14.0	21.0

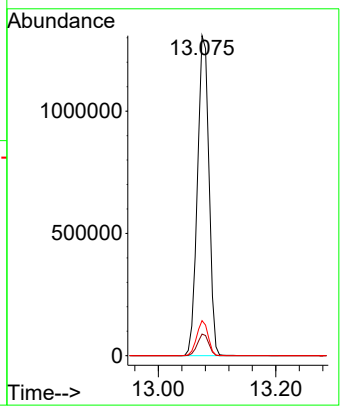




#79
Terphenyl-d14
Concen: 132.466 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:244 Resp: 177982

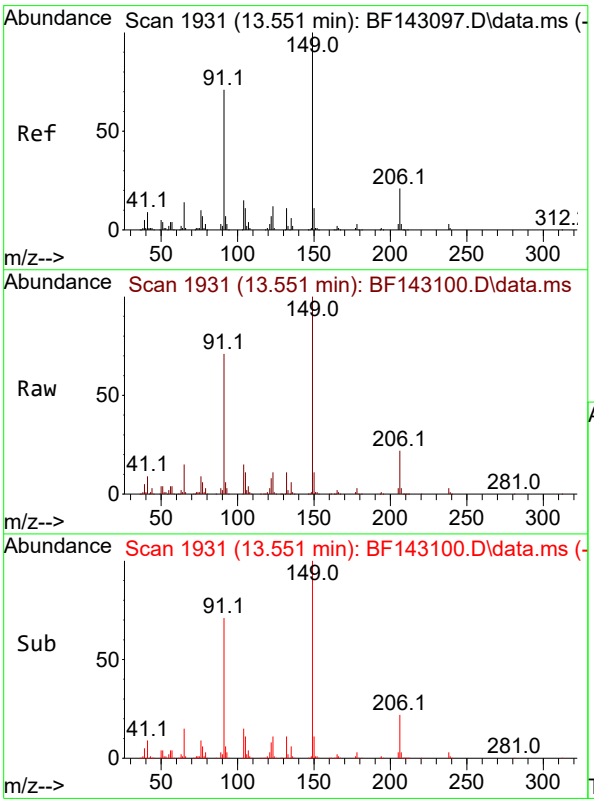
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	11.0	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

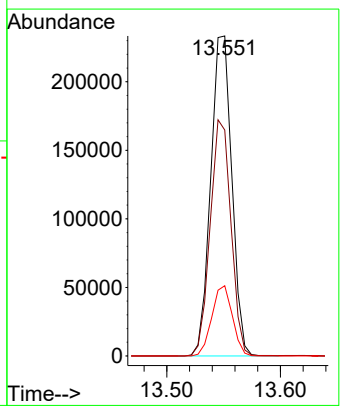
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

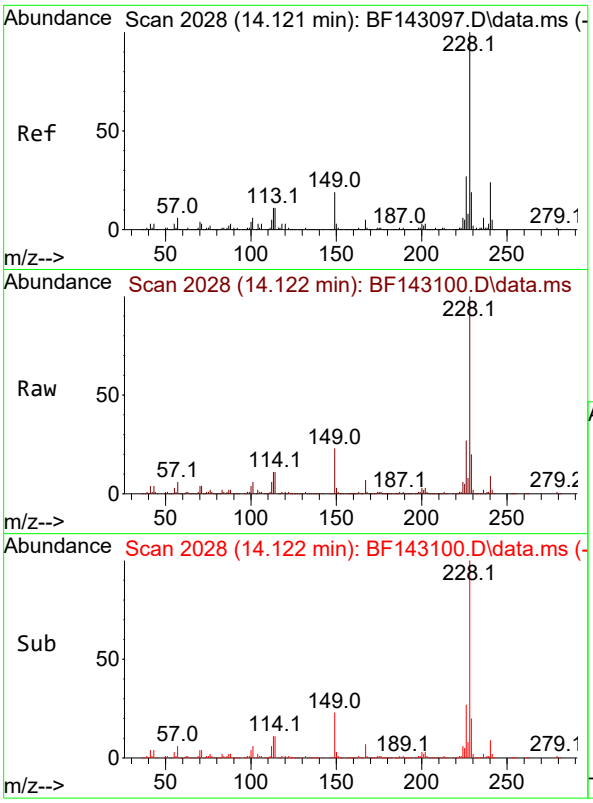


#80
Butylbenzylphthalate
Concen: 79.914 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 301525

Ion	Ratio	Lower	Upper
149	100		
91	70.6	57.0	85.4
206	21.9	17.2	25.8

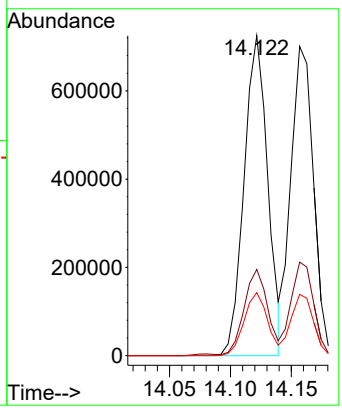




#81
Benzo(a)anthracene
Concen: 74.870 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:228 Resp: 97990

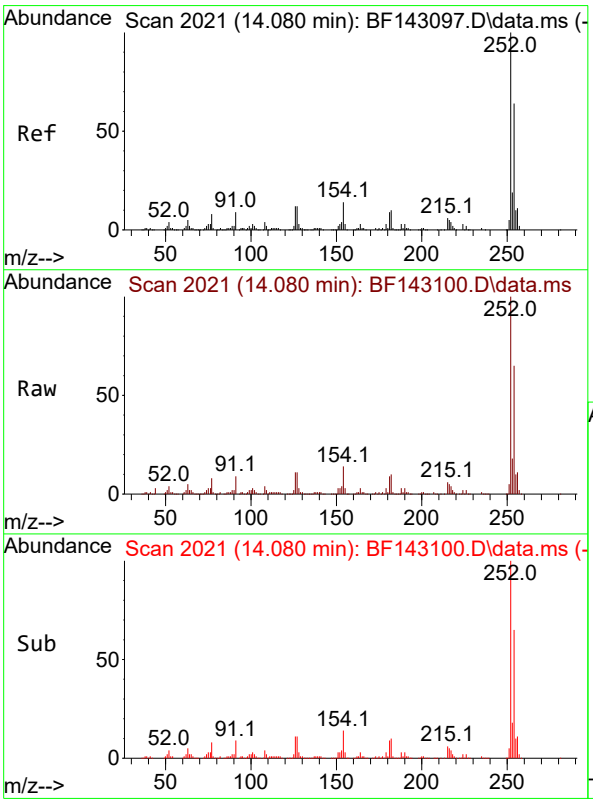
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	19.7	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

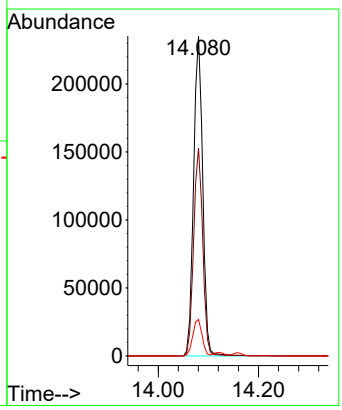
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

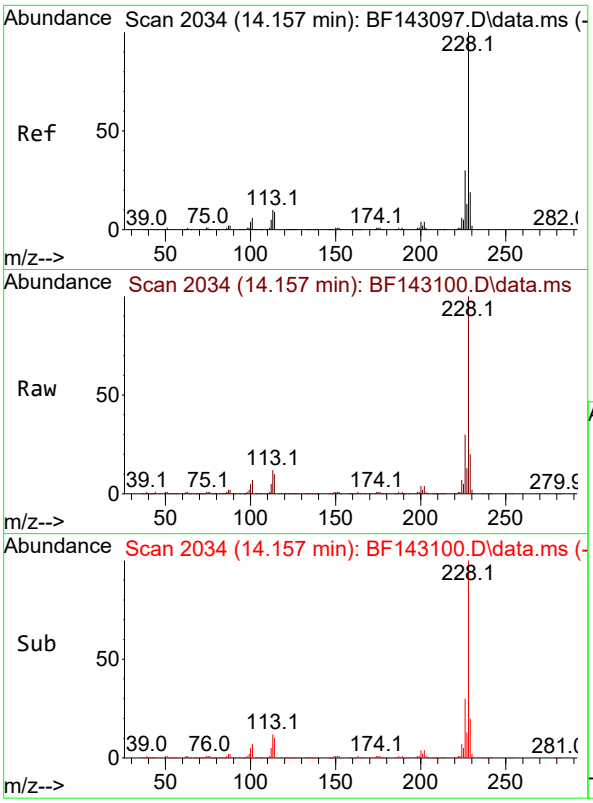


#82
3,3'-Dichlorobenzidine
Concen: 77.896 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 296061

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.5	77.3
126	11.4	9.4	14.0

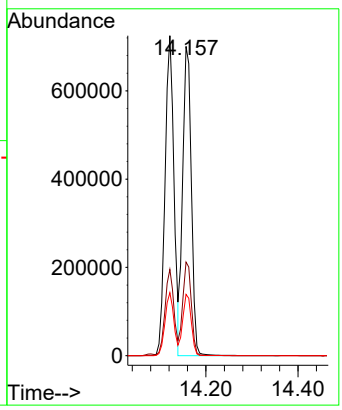




#83
Chrysene
Concen: 75.743 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:228 Resp: 91303

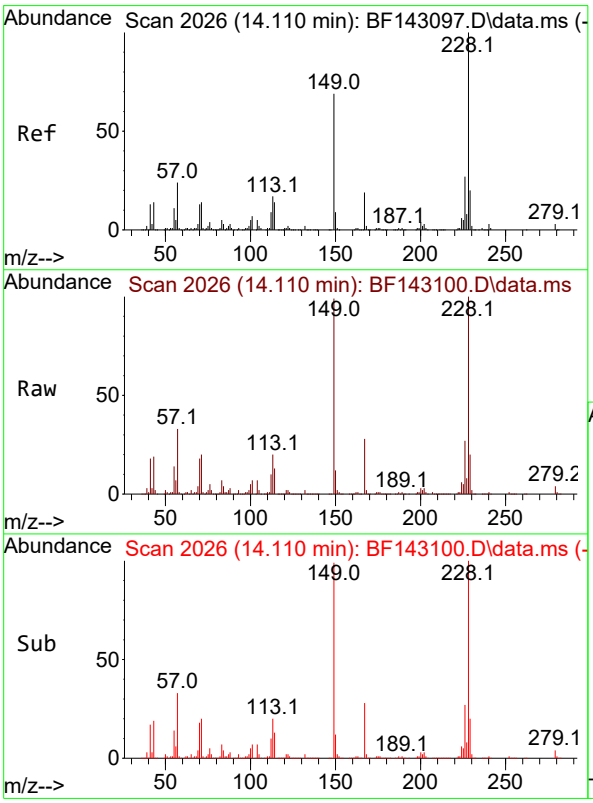
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	19.8	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

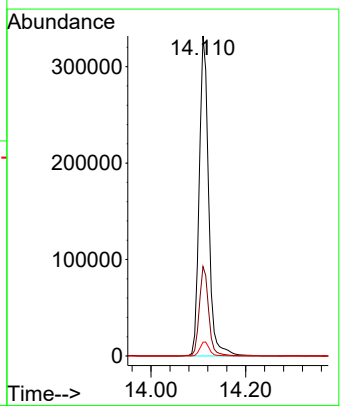
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

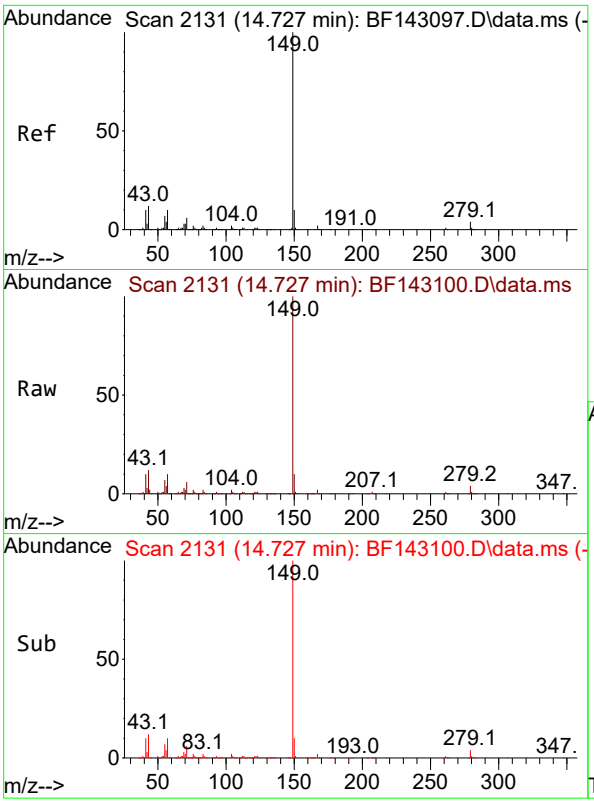


#84
Bis(2-ethylhexyl)phthalate
Concen: 80.495 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 458210

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.9	32.9
279	4.3	3.4	5.0





#85
Di-n-octyl phthalate
Concen: 82.209 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

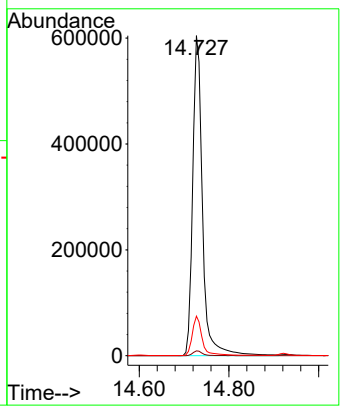
Tgt Ion:149 Resp: 91674

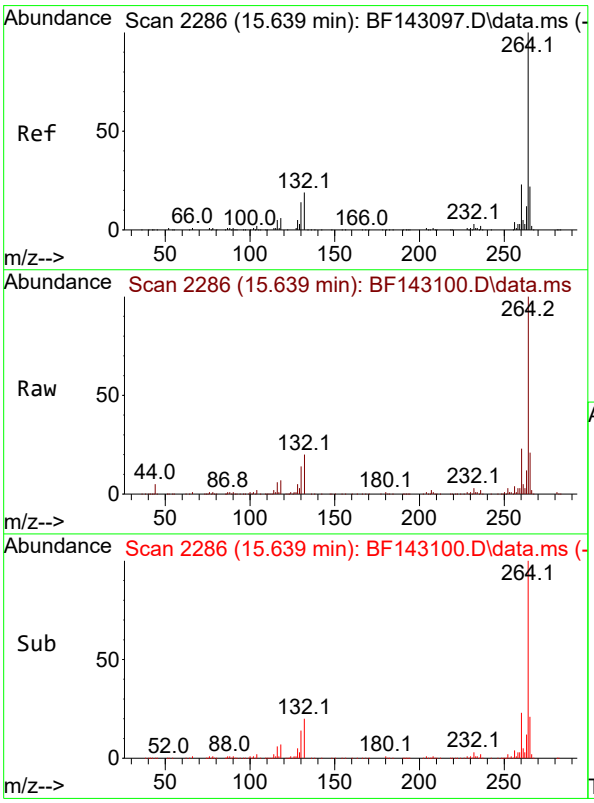
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

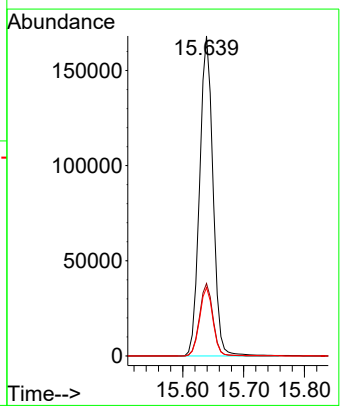


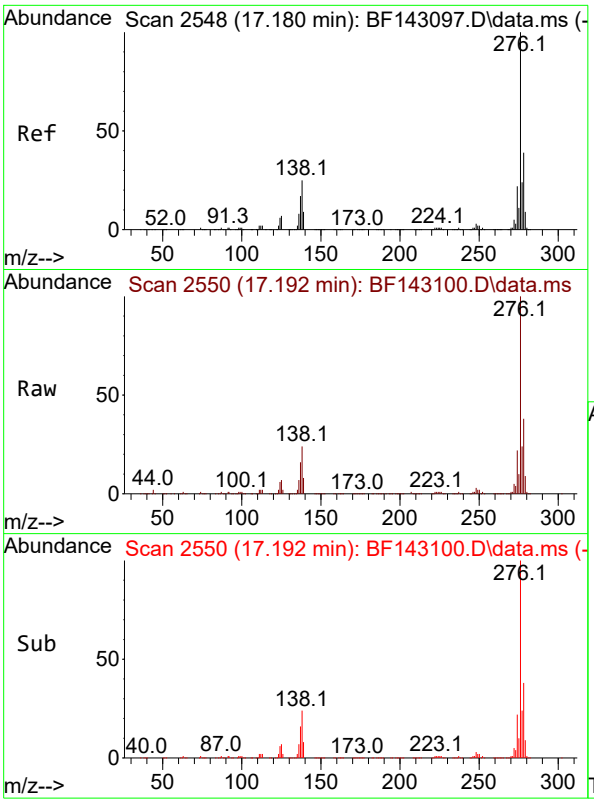


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:264 Resp: 256691

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.4	17.5	26.3

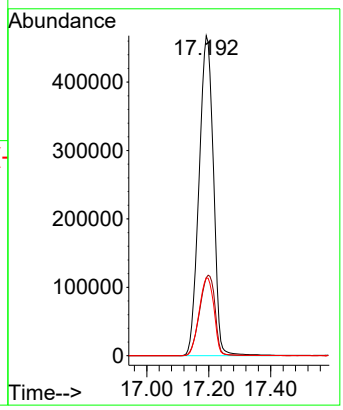




#87
Indeno(1,2,3-cd)pyrene
Concen: 79.082 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:276 Resp: 150981

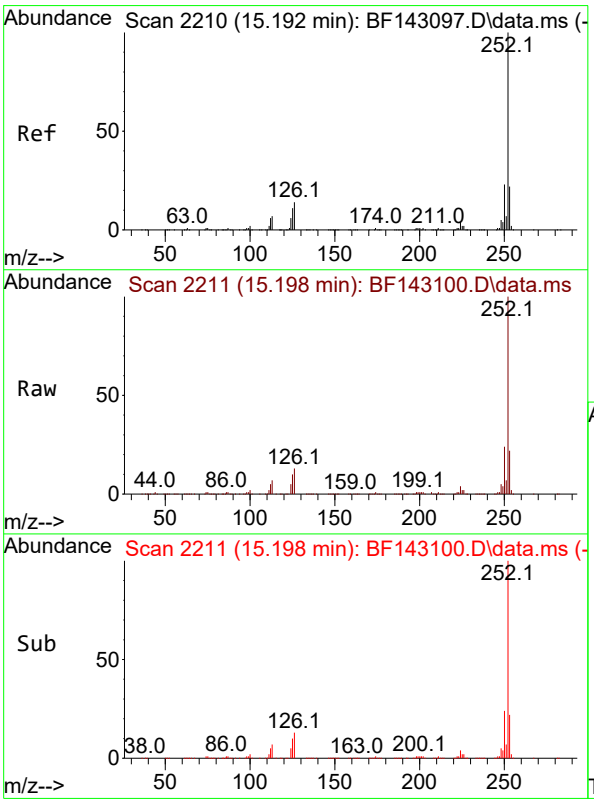
Ion	Ratio	Lower	Upper
276	100		
138	26.8	22.6	34.0
277	25.3	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

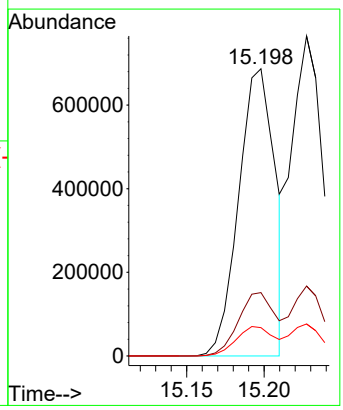
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

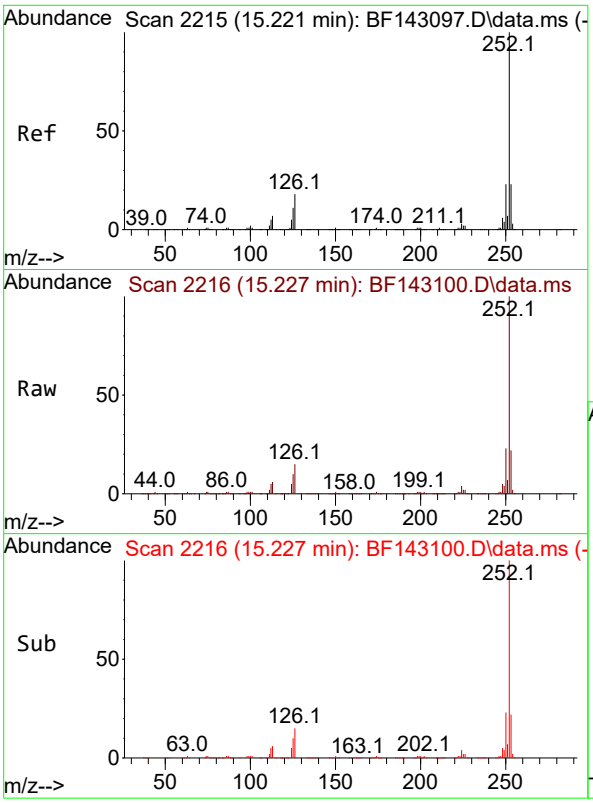


#88
Benzo(b)fluoranthene
Concen: 75.360 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 1115815

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.8	8.6	13.0

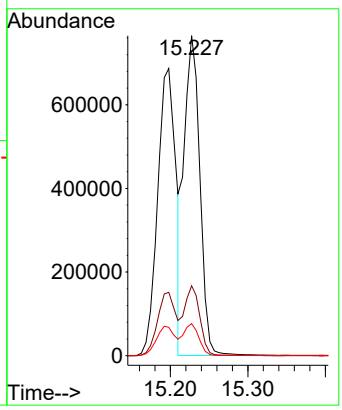




#89
Benzo(k)fluoranthene
Concen: 76.736 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 108393

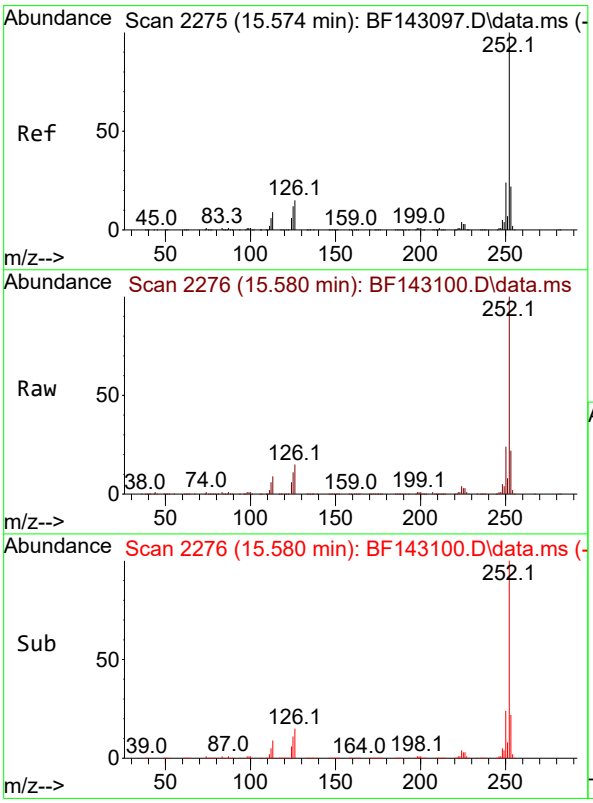
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.0	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

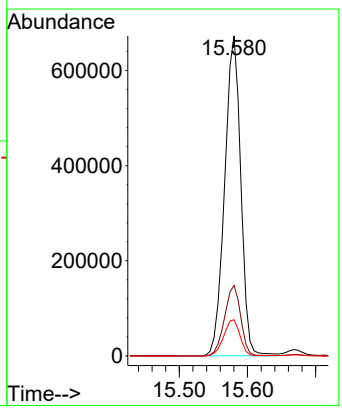
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

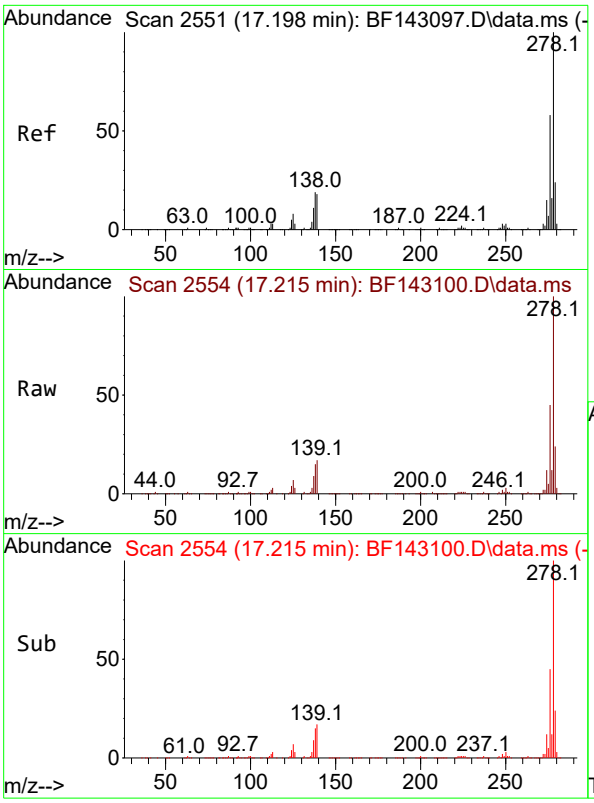


#90
Benzo(a)pyrene
Concen: 79.071 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 1107280

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.3	9.4	14.0

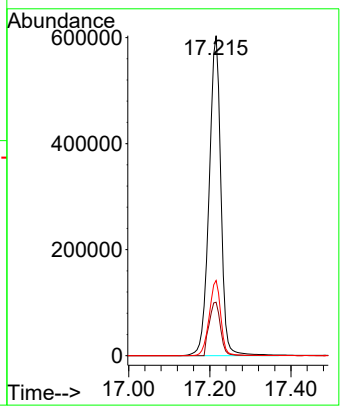




#91
Dibenzo(a,h)anthracene
Concen: 77.528 ng
RT: 17.215 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:278 Resp: 120997

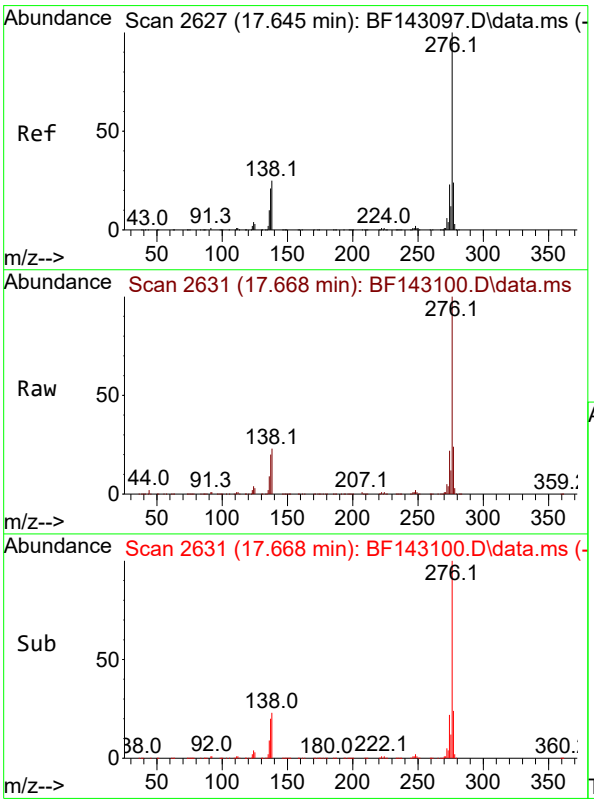
Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.6	22.0
279	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

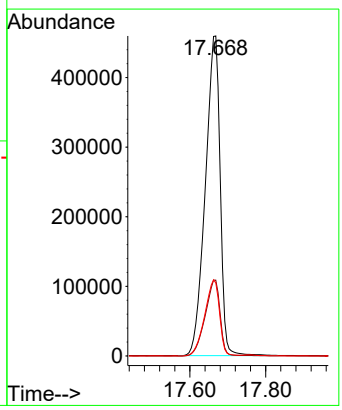
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 78.321 ng
RT: 17.668 min Scan# 2631
Delta R.T. 0.024 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:276 Resp: 1246206

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.8	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130235	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	496378	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248221	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	398969	20.000	ng	0.00
76) Chrysene-d12	14.133	240	215152	20.000	ng	0.00
86) Perylene-d12	15.639	264	235493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	649544	78.799	ng	0.00
7) Phenol-d6	6.587	99	814393	78.598	ng	0.00
23) Nitrobenzene-d5	7.528	82	692735m	78.289	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	190277	85.971	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1290148	69.090	ng	0.00
79) Terphenyl-d14	13.074	244	1064372	72.317	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	156917	38.242	ng	99
3) Pyridine	3.581	79	426106	41.009	ng	99
4) n-Nitrosodimethylamine	3.522	42	223240	41.468	ng	98
6) Aniline	6.628	93	598787	41.038	ng	100
8) 2-Chlorophenol	6.751	128	351129	42.397	ng	99
9) Benzaldehyde	6.516	77	293033	37.115	ng	99
10) Phenol	6.598	94	467536m	41.681	ng	
11) bis(2-Chloroethyl)ether	6.698	93	354713	40.848	ng	99
12) 1,3-Dichlorobenzene	6.910	146	380756	40.694	ng	100
13) 1,4-Dichlorobenzene	6.987	146	381590	40.539	ng	100
14) 1,2-Dichlorobenzene	7.139	146	366082	40.782	ng	99
15) Benzyl Alcohol	7.098	79	325035	42.336	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	644651	40.273	ng	100
17) 2-Methylphenol	7.204	107	296835	41.532	ng	99
18) Hexachloroethane	7.486	117	132499	43.239	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	266499	41.982	ng	100
20) 3+4-Methylphenols	7.363	107	368618	42.057	ng	99
22) Acetophenone	7.375	105	482823	40.351	ng	99
24) Nitrobenzene	7.545	77	381374	44.647	ng	99
25) Isophorone	7.786	82	704424	41.188	ng	100
26) 2-Nitrophenol	7.863	139	150156	44.317	ng	100
27) 2,4-Dimethylphenol	7.892	122	333899	42.064	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	423022	40.789	ng	100
29) 2,4-Dichlorophenol	8.098	162	283011	43.580	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	303602	41.194	ng	99
31) Naphthalene	8.275	128	999363	40.543	ng	99
32) Benzoic acid	7.986	122	169020m	43.449	ng	
33) 4-Chloroaniline	8.310	127	408741	41.236	ng	99
34) Hexachlorobutadiene	8.392	225	182140	41.324	ng	99
35) Caprolactam	8.675	113	88286	43.536	ng	95
36) 4-Chloro-3-methylphenol	8.786	107	306624	42.387	ng	99
37) 2-Methylnaphthalene	8.963	142	597819	40.654	ng	100
38) 1-Methylnaphthalene	9.063	142	624130	40.922	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	293187	40.531	ng	99
41) Hexachlorocyclopentadiene	9.122	237	180819	45.086	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	197565	43.955	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	202658	43.001	ng		99
46) 1,1'-Biphenyl	9.428	154	799467	40.387	ng		100
47) 2-Chloronaphthalene	9.451	162	584687	40.207	ng		100
48) 2-Nitroaniline	9.539	65	185847	43.148	ng		96
49) Acenaphthylene	9.869	152	987106	40.736	ng		99
50) Dimethylphthalate	9.722	163	644618	41.279	ng		100
51) 2,6-Dinitrotoluene	9.780	165	132241	43.156	ng		92
52) Acenaphthene	10.039	154	571724	39.982	ng		99
53) 3-Nitroaniline	9.945	138	160978	47.707	ng		99
54) 2,4-Dinitrophenol	10.051	184	46465	47.113	ng	#	1
55) Dibenzofuran	10.210	168	858944	40.300	ng		100
56) 4-Nitrophenol	10.092	139	122610	45.720	ng		96
57) 2,4-Dinitrotoluene	10.180	165	168227	43.964	ng		99
58) Fluorene	10.557	166	634897	39.732	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.327	232	168172	44.902	ng		98
60) Diethylphthalate	10.422	149	637247	42.297	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	313111	40.882	ng		98
62) 4-Nitroaniline	10.557	138	139342	47.486	ng		98
63) Azobenzene	10.704	77	680354	40.833	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	65266	44.754	ng		98
66) n-Nitrosodiphenylamine	10.663	169	563086	40.179	ng		100
67) 4-Bromophenyl-phenylether	11.033	248	189573	41.782	ng		100
68) Hexachlorobenzene	11.104	284	196969	40.915	ng		99
69) Atrazine	11.180	200	158741	44.273	ng		98
70) Pentachlorophenol	11.292	266	118797	44.978	ng		99
71) Phenanthrene	11.516	178	871369	40.469	ng		100
72) Anthracene	11.569	178	887738	40.999	ng		100
73) Carbazole	11.716	167	791886	40.823	ng		99
74) Di-n-butylphthalate	12.051	149	820833	46.099	ng		100
75) Fluoranthene	12.704	202	824497	42.113	ng		100
77) Benzidine	12.816	184	350573	47.827	ng		98
78) Pyrene	12.933	202	820201	41.087	ng		100
80) Butylbenzylphthalate	13.551	149	172390	43.340	ng		100
81) Benzo(a)anthracene	14.121	228	583794	40.719	ng		100
82) 3,3'-Dichlorobenzidine	14.080	252	183371	44.044	ng		99
83) Chrysene	14.157	228	530018	40.139	ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	239329	40.166	ng		99
85) Di-n-octyl phthalate	14.727	149	424959	38.648	ng		100
87) Indeno(1,2,3-cd)pyrene	17.186	276	744447	42.503	ng		100
88) Benzo(b)fluoranthene	15.192	252	594727	43.782	ng		100
89) Benzo(k)fluoranthene	15.221	252	513977	39.662	ng		99
90) Benzo(a)pyrene	15.574	252	548875	42.724	ng		99
91) Dibenzo(a,h)anthracene	17.203	278	611881	42.735	ng		99
92) Benzo(g,h,i)perylene	17.651	276	632939	43.359	ng		99

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

ICAL Form

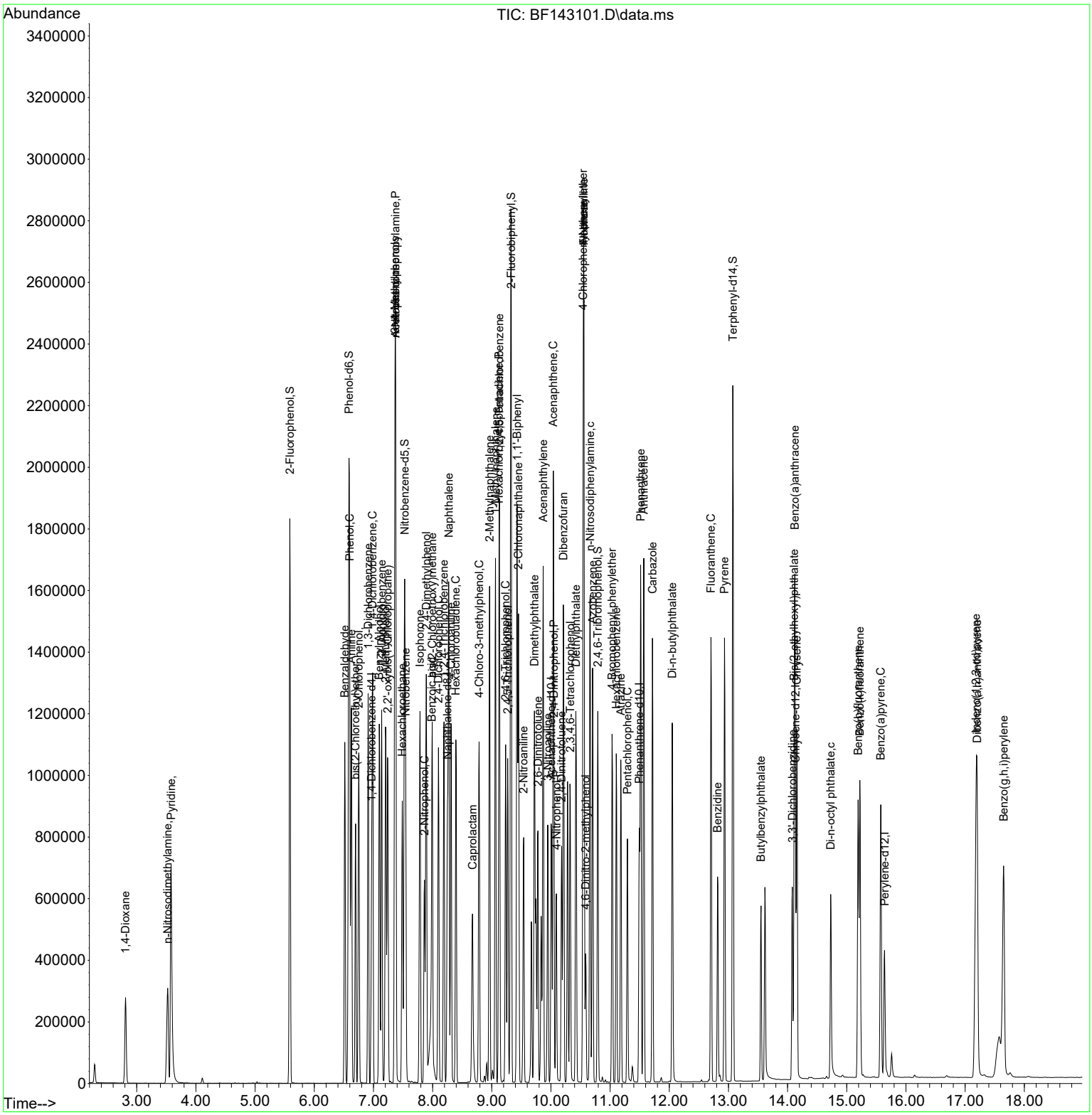
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

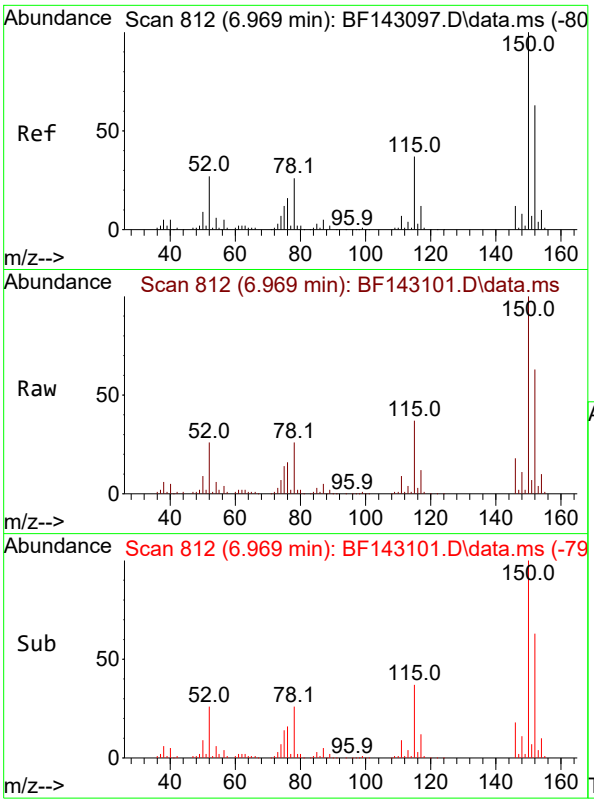
Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

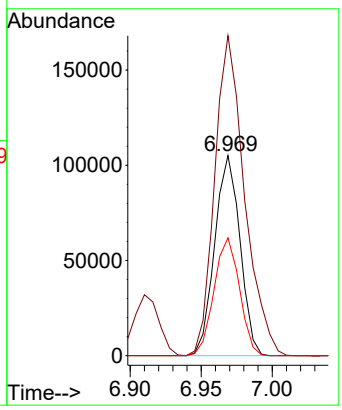




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:152 Resp: 13023

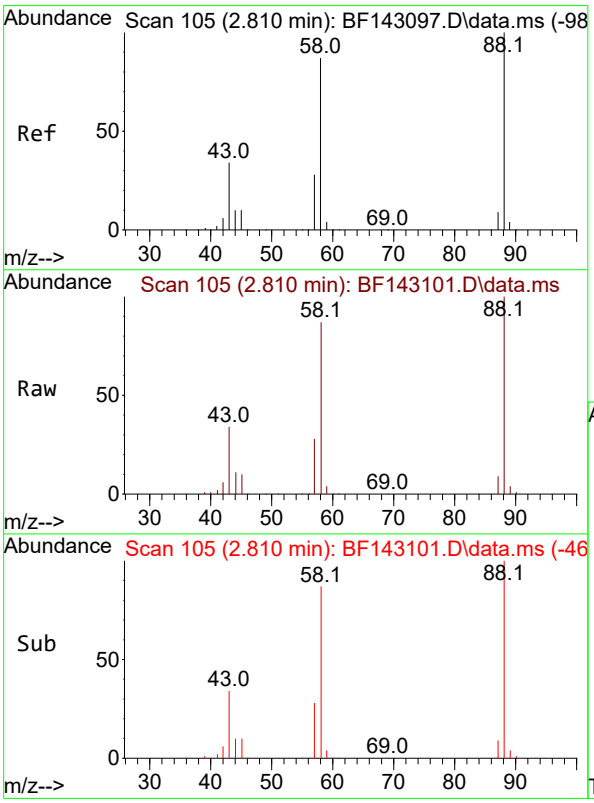
Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.5	189.7
115	58.9	47.0	70.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

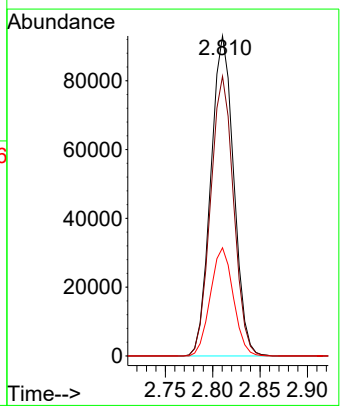
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

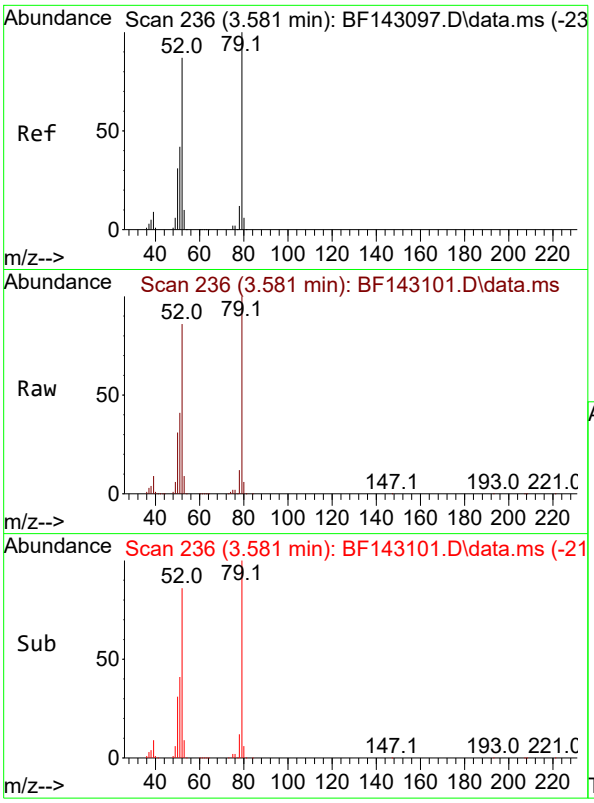


#2
1,4-Dioxane
Concen: 38.242 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 88 Resp: 156917

Ion	Ratio	Lower	Upper
88	100		
58	87.3	70.5	105.7
43	33.7	27.3	40.9

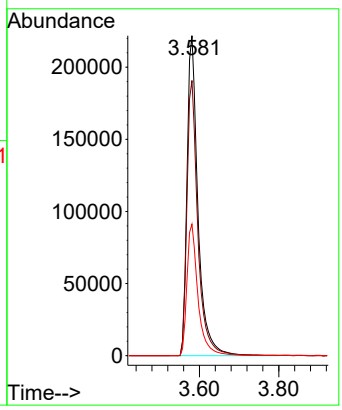




#3
Pyridine
Concen: 41.009 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 79 Resp: 42610

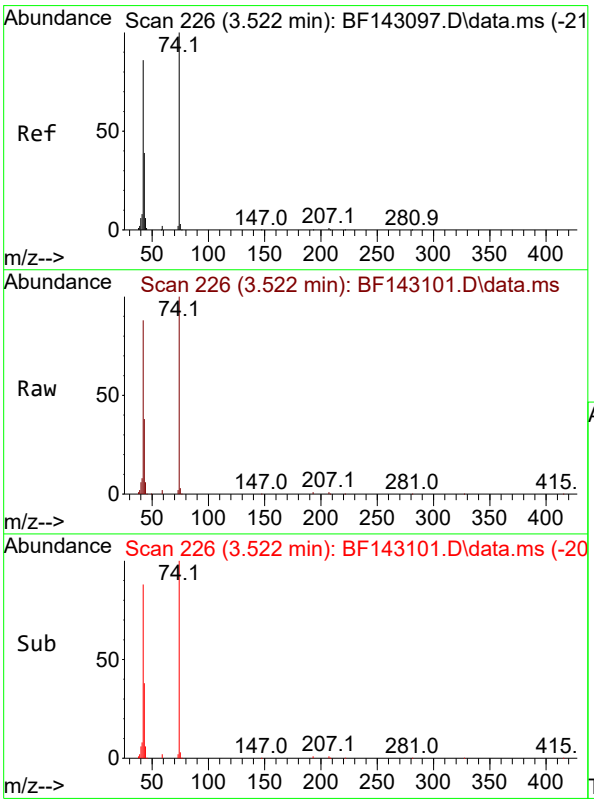
Ion	Ratio	Lower	Upper
79	100		
52	86.0	69.2	103.8
51	41.1	33.3	49.9



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

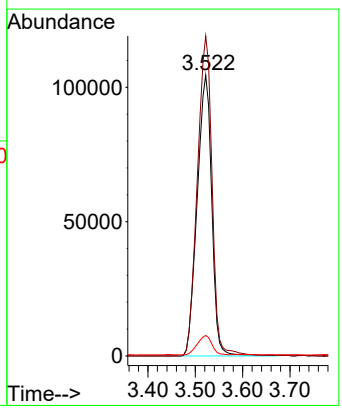
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

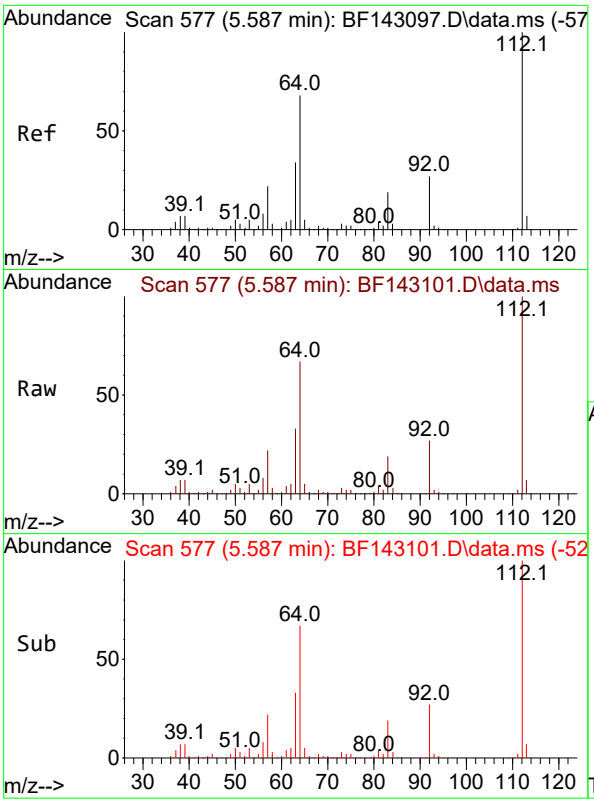


#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.522 min Scan# 226
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 42 Resp: 223240

Ion	Ratio	Lower	Upper
42	100		
74	114.0	92.8	139.2
44	7.3	5.8	8.6





#5
2-Fluorophenol
Concen: 78.799 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

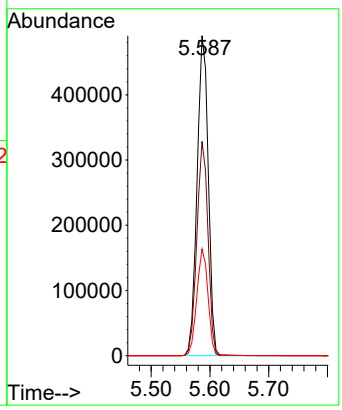
Tgt Ion:112 Resp: 64954

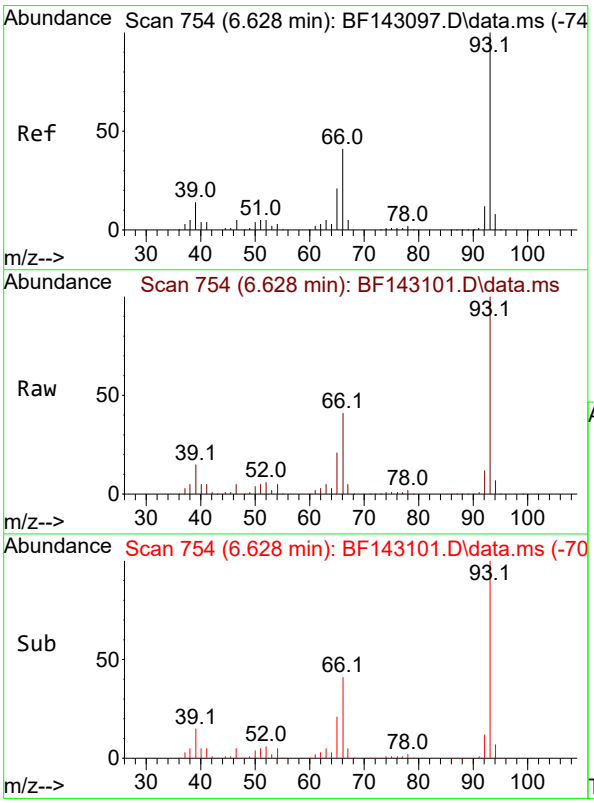
Ion	Ratio	Lower	Upper
112	100		
64	67.0	54.6	82.0
63	33.4	27.3	40.9

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

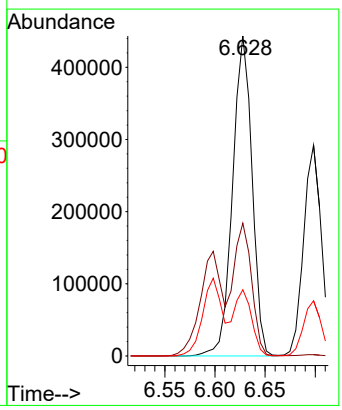


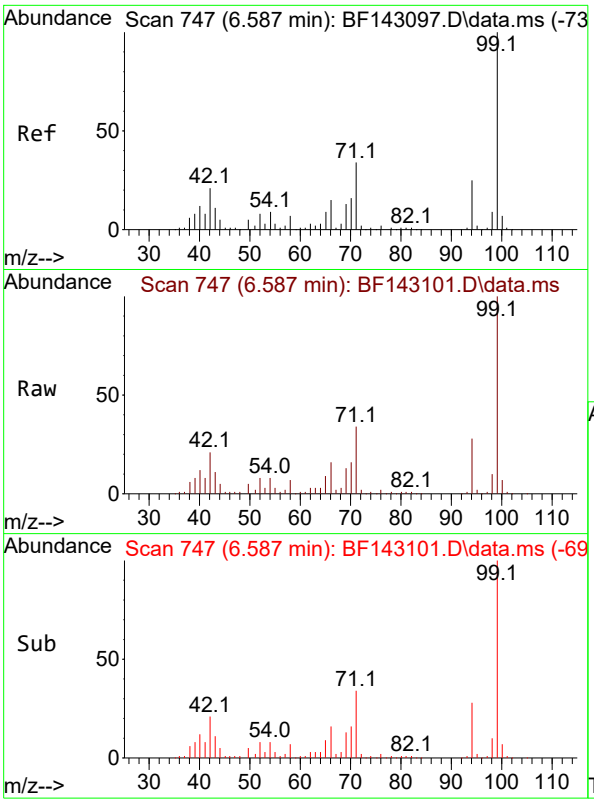


#6
Aniline
Concen: 41.038 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 598787

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.1	49.7
65	20.7	16.9	25.3

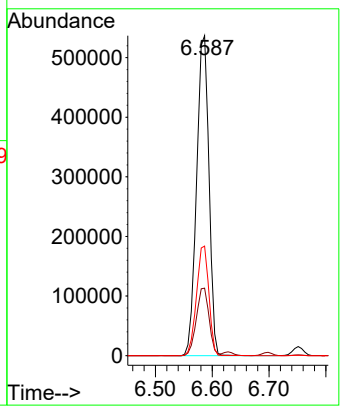




#7
Phenol-d6
Concen: 78.598 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 99 Resp: 81439

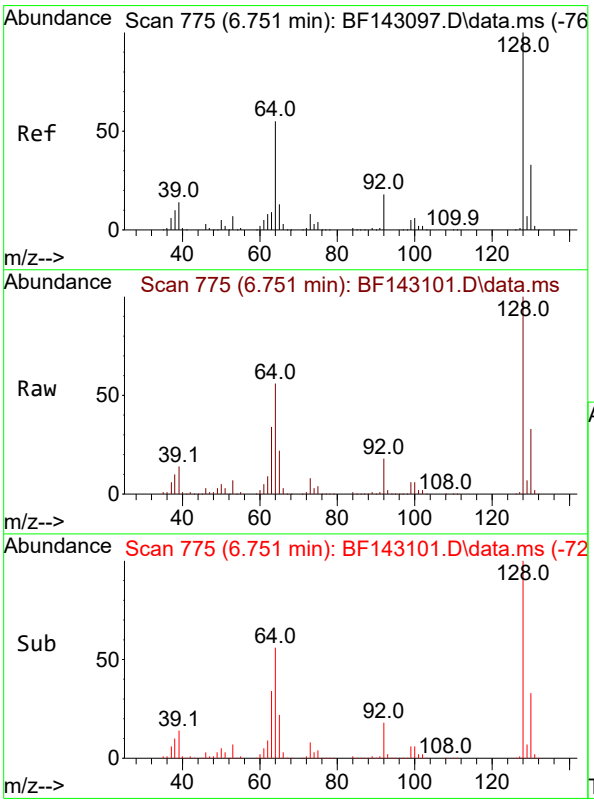
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.2	25.8
71	34.2	27.4	41.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

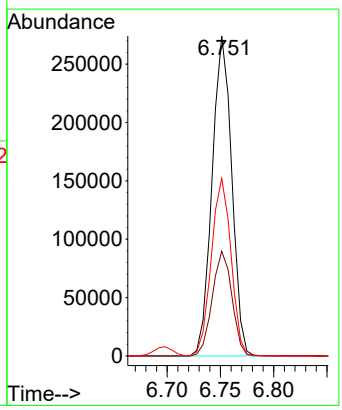
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

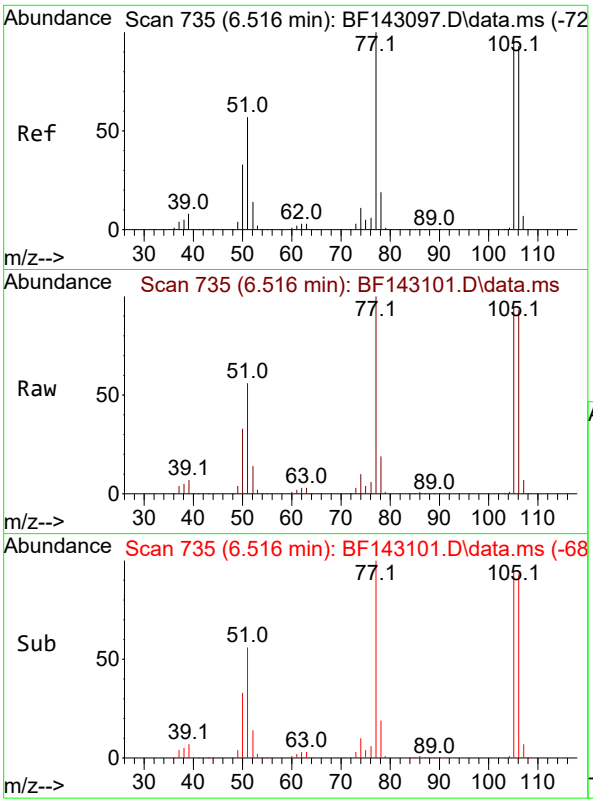


#8
2-Chlorophenol
Concen: 42.397 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:128 Resp: 351129

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	55.5	36.1	76.1

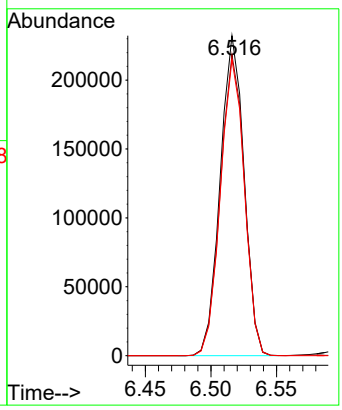




#9
Benzaldehyde
Concen: 37.115 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 29303

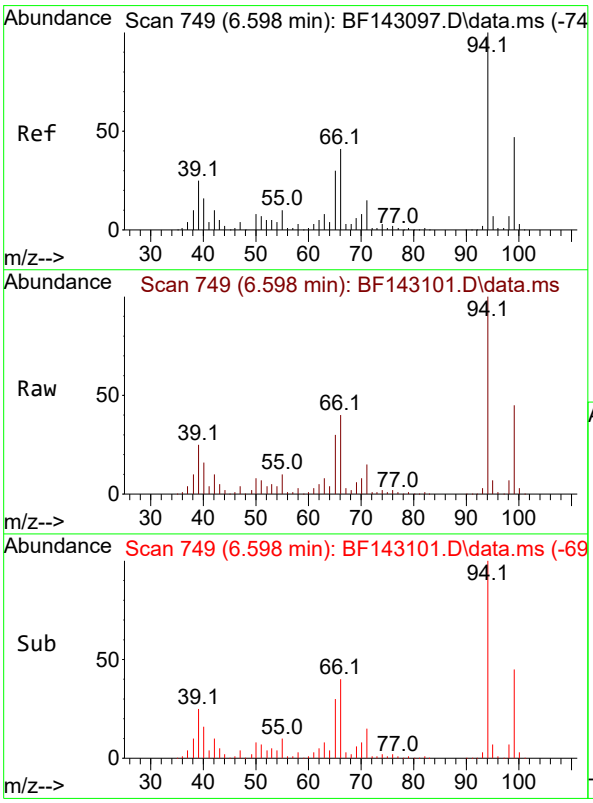
Ion	Ratio	Lower	Upper
77	100		
105	94.0	76.3	116.3
106	92.5	72.8	112.8



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

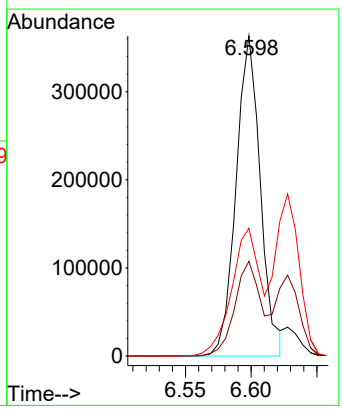
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

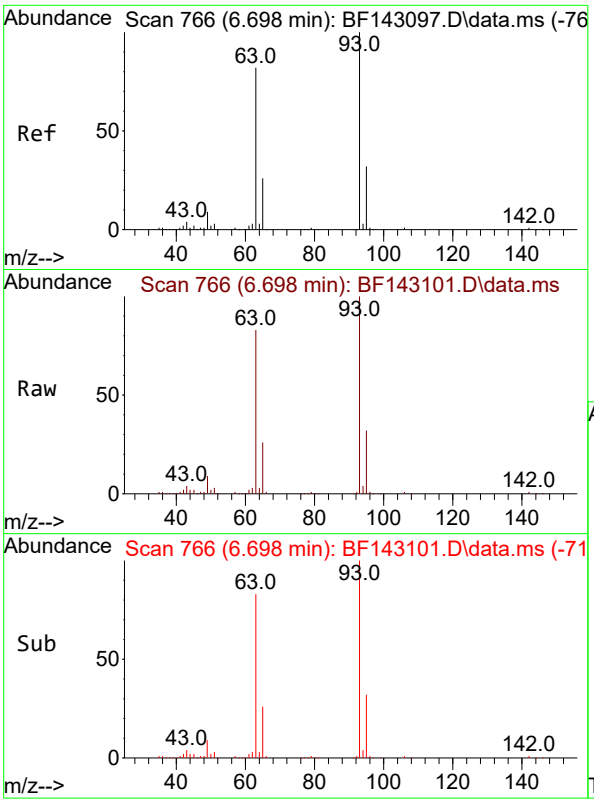


#10
Phenol
Concen: 41.681 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 94 Resp: 467536

Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.8	49.8
66	39.9	20.5	60.5

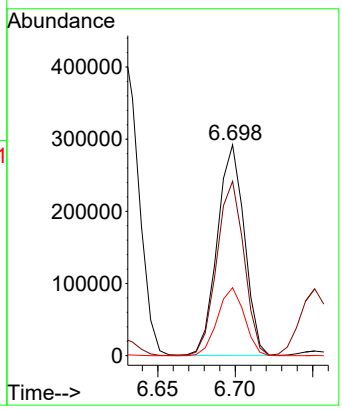




#11
bis(2-Chloroethyl)ether
Concen: 40.848 ng
RT: 6.698 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 35471

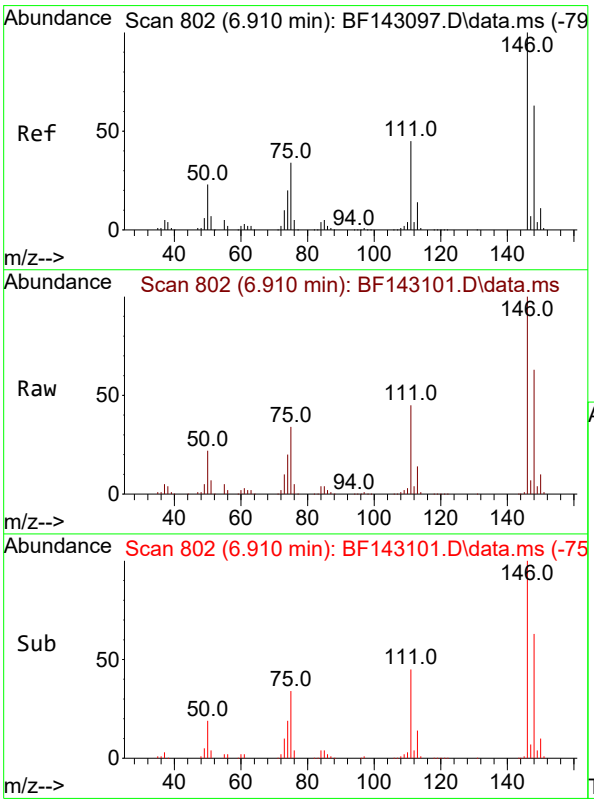
Ion	Ratio	Lower	Upper
93	100		
63	82.7	61.9	101.9
95	32.3	12.2	52.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

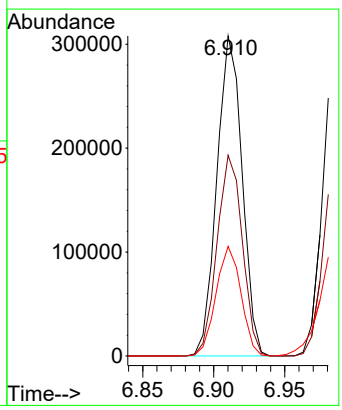
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

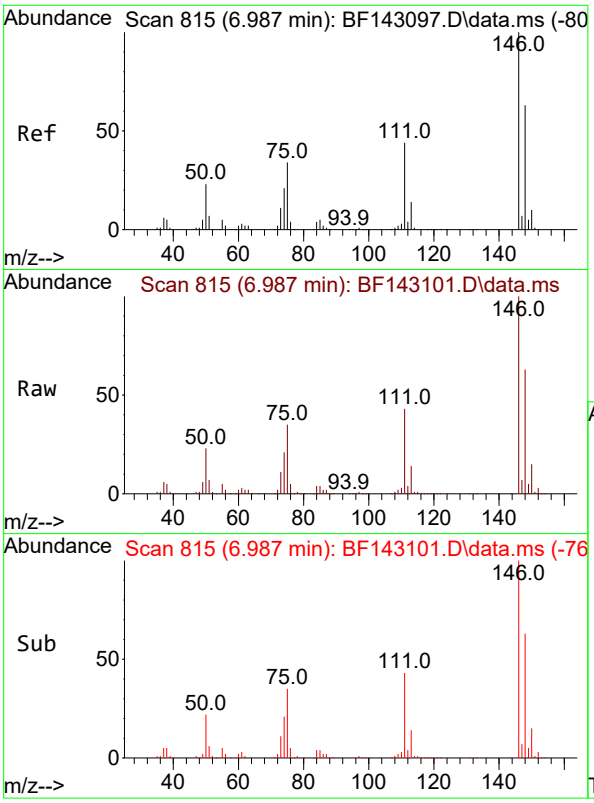


#12
1,3-Dichlorobenzene
Concen: 40.694 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 380756

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.1	75.1
75	34.2	27.4	41.0

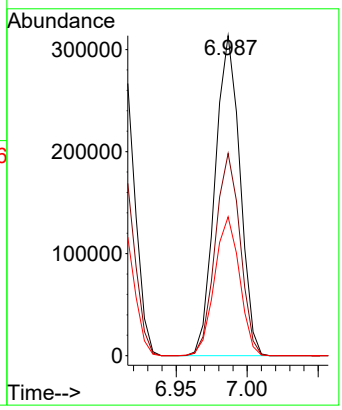




#13
1,4-Dichlorobenzene
Concen: 40.539 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 38159

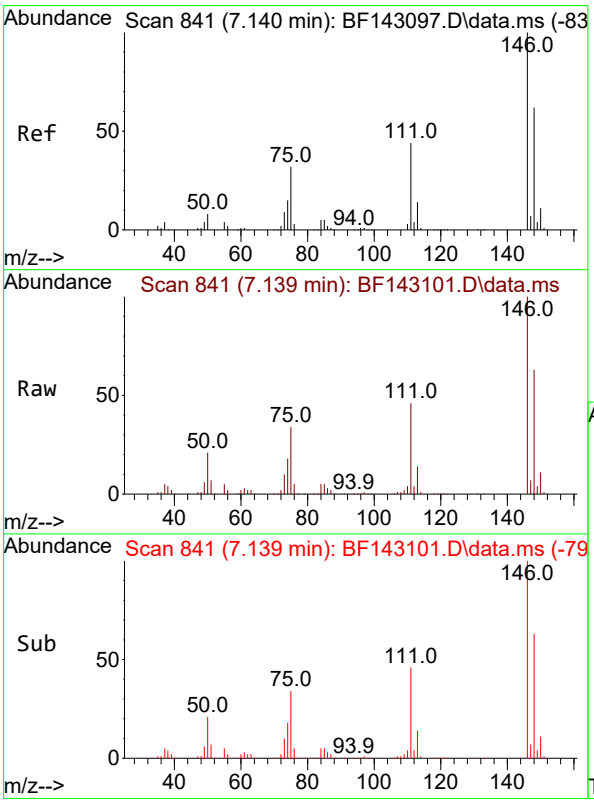
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
111	43.4	35.0	52.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

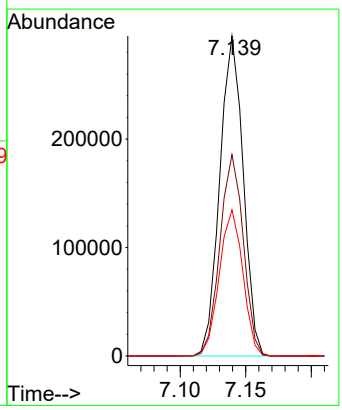
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

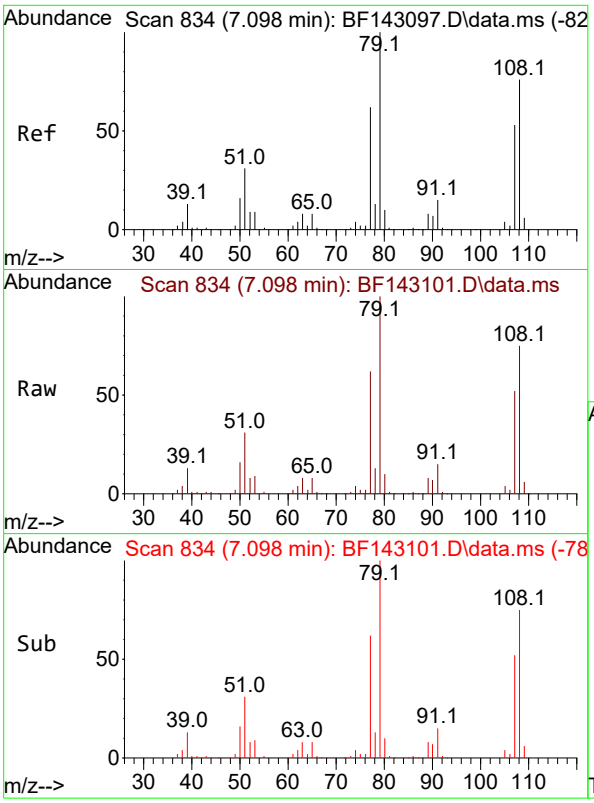


#14
1,2-Dichlorobenzene
Concen: 40.782 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 366082

Ion	Ratio	Lower	Upper
146	100		
148	62.9	49.8	74.6
111	45.7	35.4	53.0

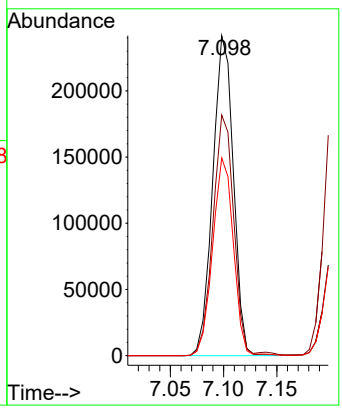




#15
Benzyl Alcohol
Concen: 42.336 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 79 Resp: 32503

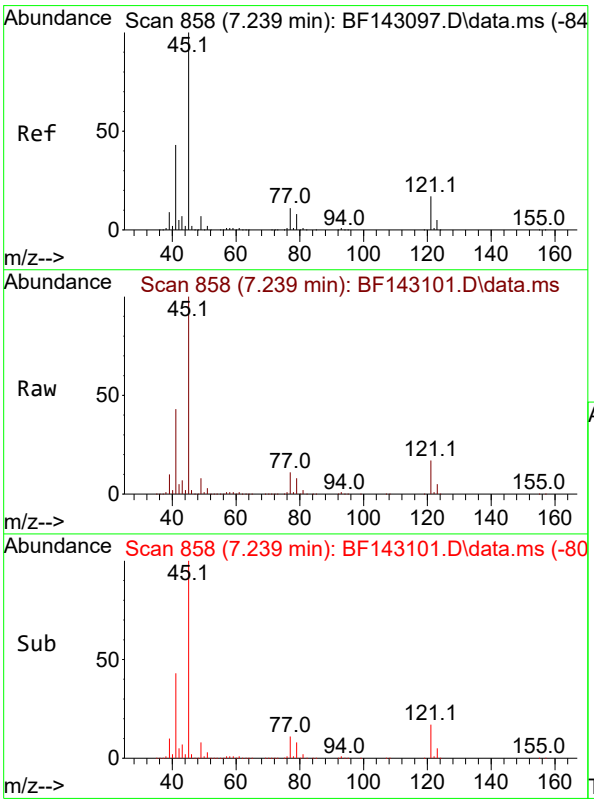
Ion	Ratio	Lower	Upper
79	100		
108	75.2	61.1	91.7
77	61.8	49.9	74.9



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

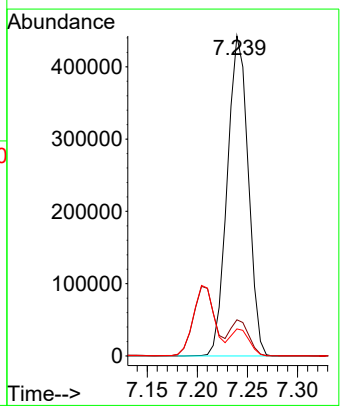
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

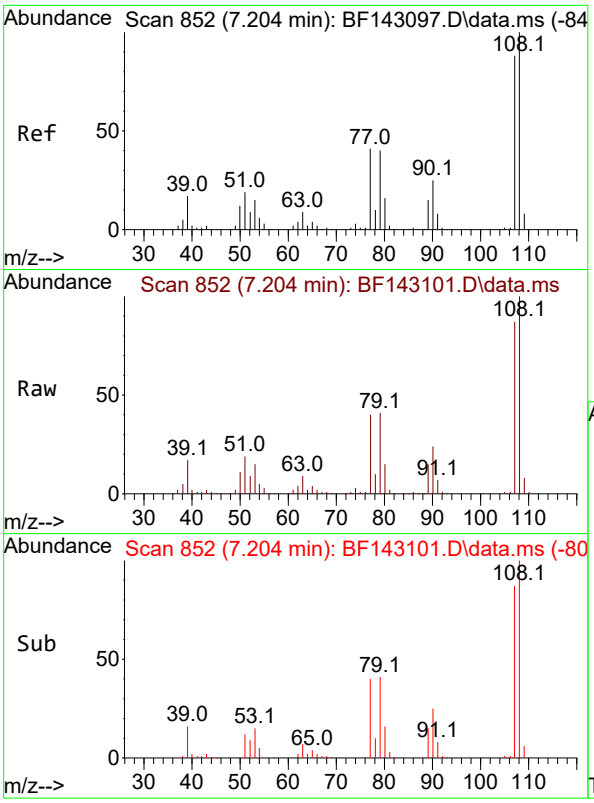


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.273 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 45 Resp: 644651

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.1
79	8.4	0.0	28.4

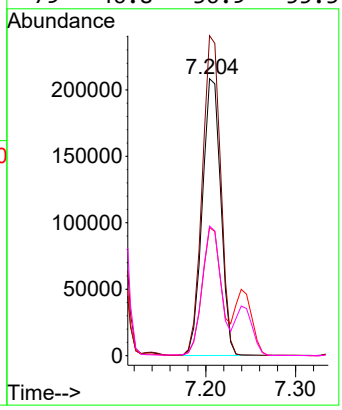




#17
2-Methylphenol
Concen: 41.532 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 29683

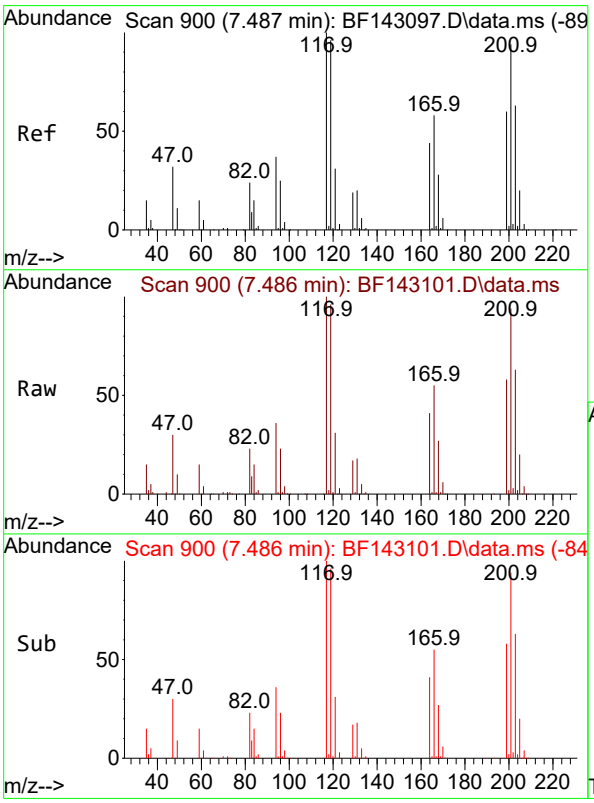
Ion	Ratio	Lower	Upper
107	100		
108	115.5	90.9	136.3
77	46.3	37.5	56.3
79	46.8	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

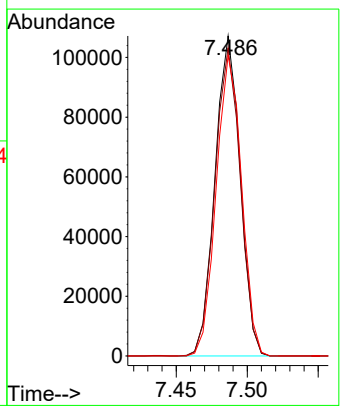
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

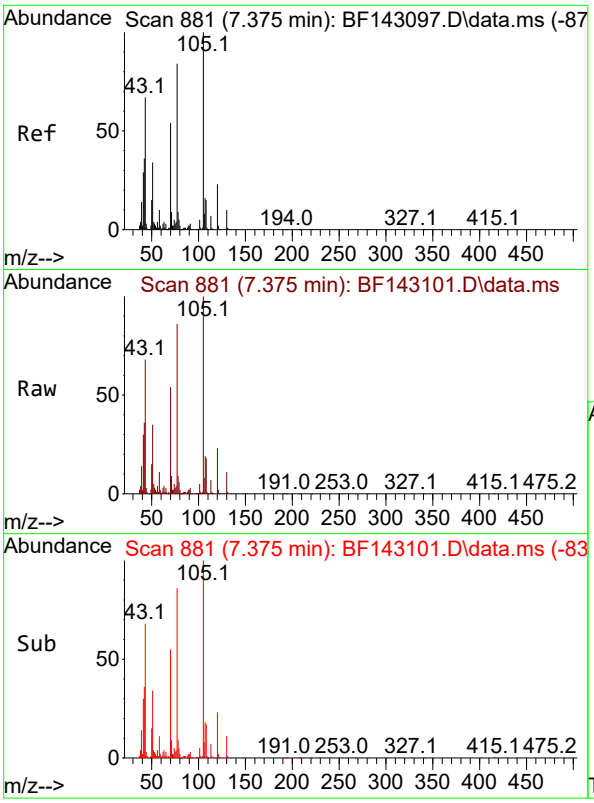


#18
Hexachloroethane
Concen: 43.239 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:117 Resp: 132499

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.7	115.1
201	93.9	75.0	112.4

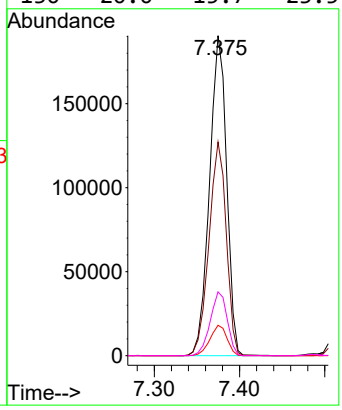




#19
n-Nitroso-di-n-propylamine
Concen: 41.982 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 70 Resp: 26649

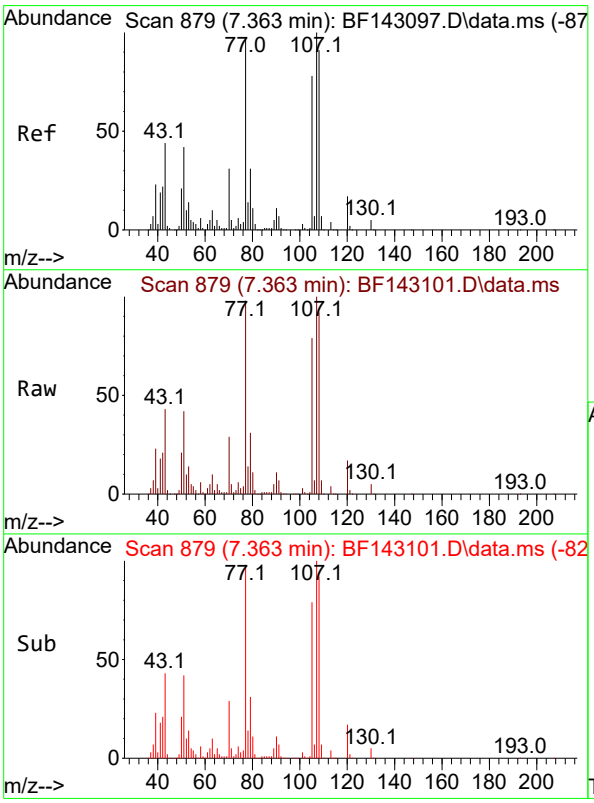
Ion	Ratio	Lower	Upper
70	100		
42	66.7	53.2	79.8
101	9.5	7.5	11.3
130	20.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

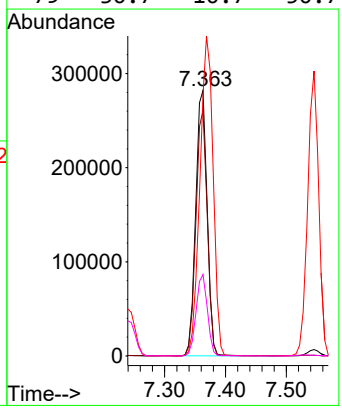
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

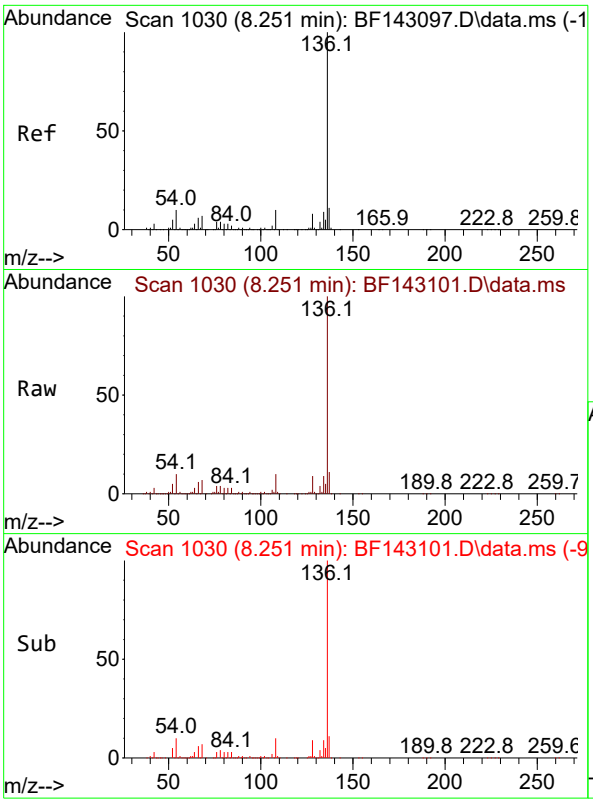


#20
3+4-Methylphenols
Concen: 42.057 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 368618

Ion	Ratio	Lower	Upper
107	100		
108	92.5	71.3	111.3
77	98.3	77.2	117.2
79	30.7	10.7	50.7

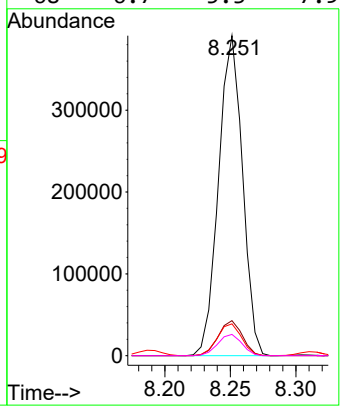




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:136 Resp: 49637

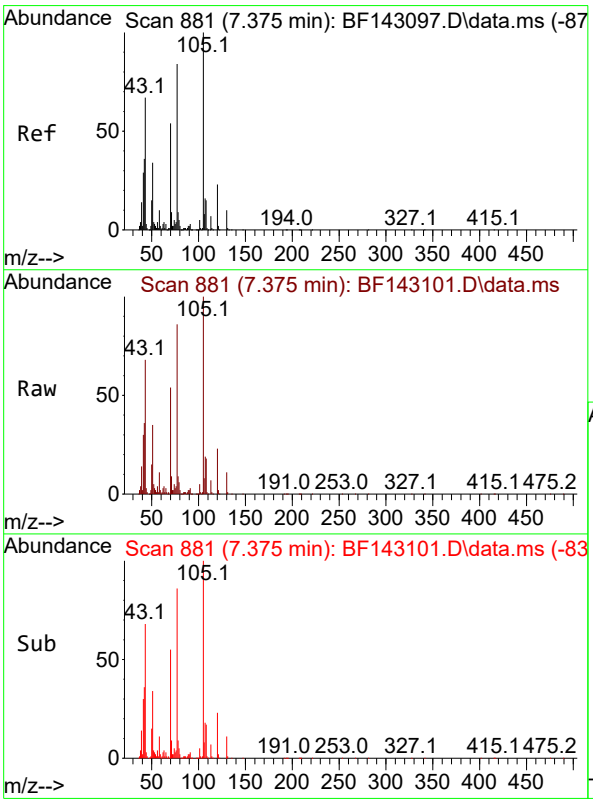
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.9	8.3	12.5
68	6.7	5.3	7.9



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

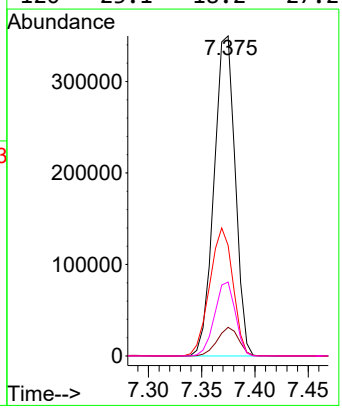
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

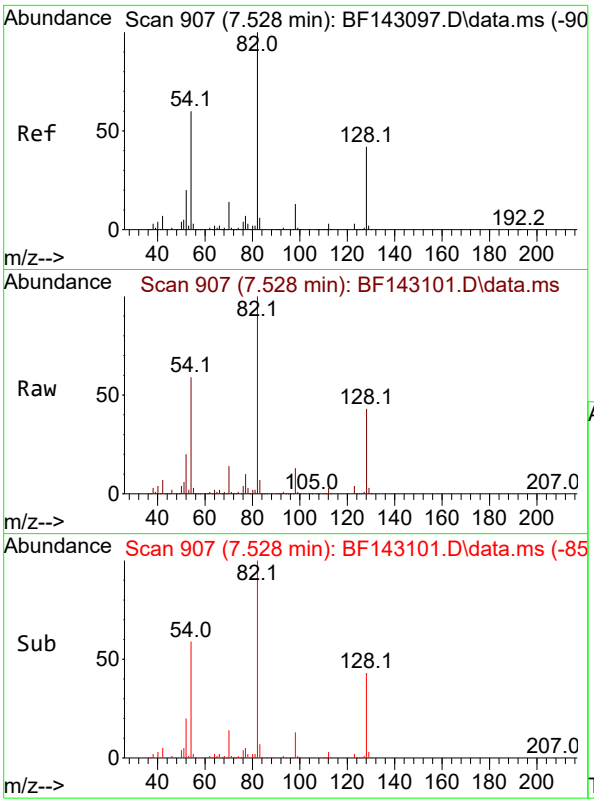


#22
Acetophenone
Concen: 40.351 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:105 Resp: 482823

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	34.6	27.0	40.4
120	23.1	18.2	27.2

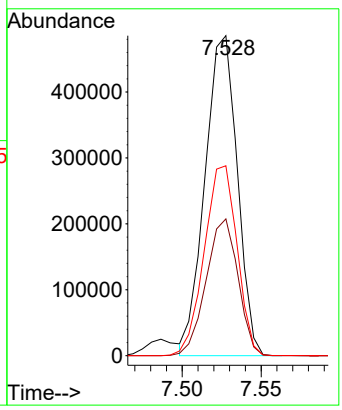




#23
Nitrobenzene-d5
Concen: 78.289 ng m
RT: 7.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 82 Resp: 69273

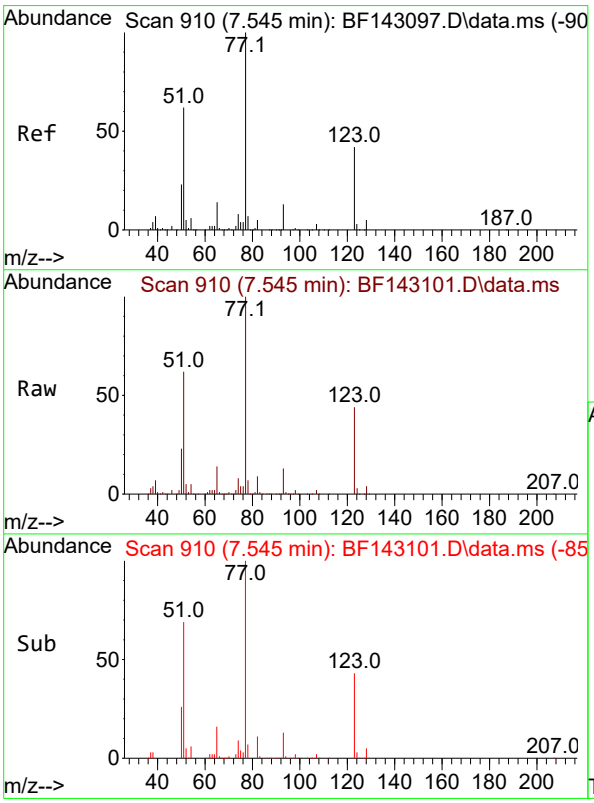
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.3	49.9
54	59.4	47.4	71.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

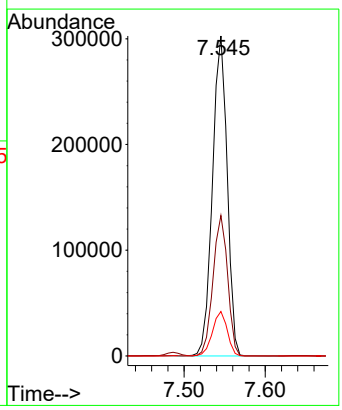
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

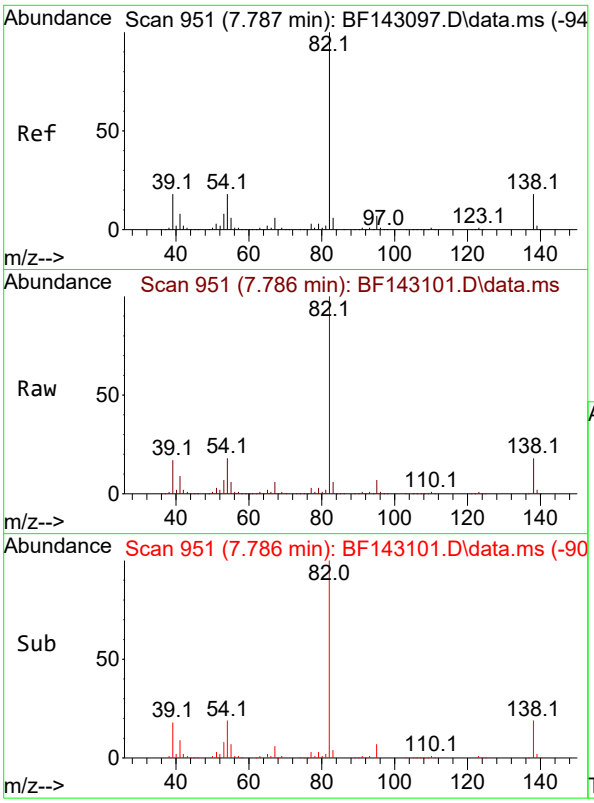


#24
Nitrobenzene
Concen: 44.647 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 381374

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.5	51.7
65	13.9	11.3	16.9

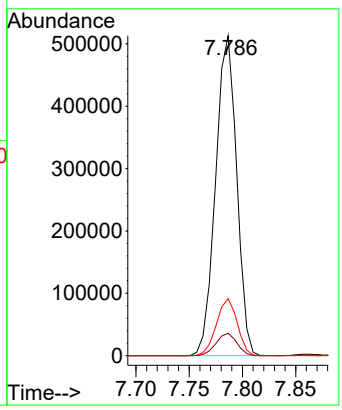




#25
Isophorone
Concen: 41.188 ng
RT: 7.786 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 82 Resp: 70442

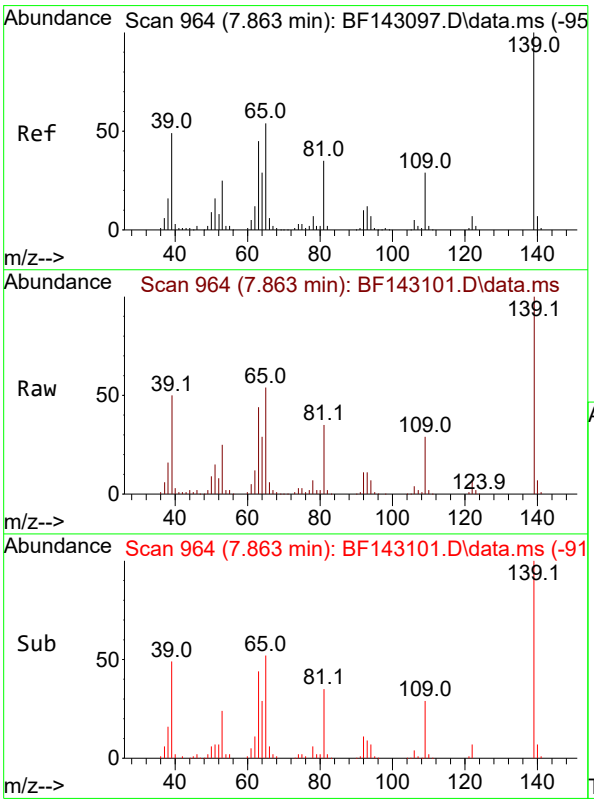
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.8	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

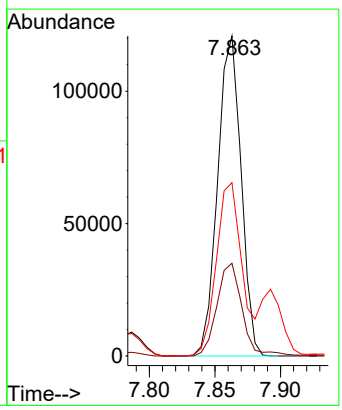
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

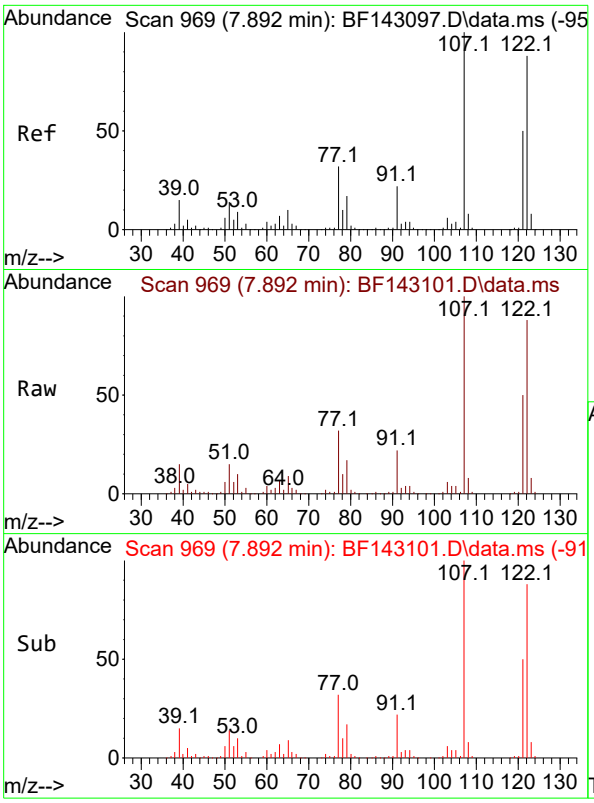


#26
2-Nitrophenol
Concen: 44.317 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 150156

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.4	35.0
65	54.1	43.4	65.2

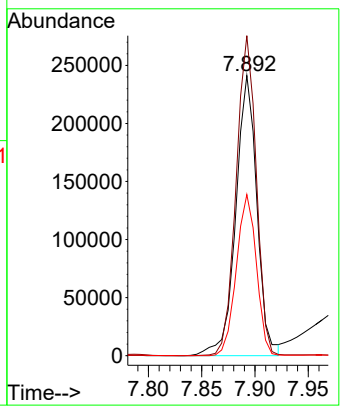




#27
2,4-Dimethylphenol
Concen: 42.064 ng
RT: 7.892 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:122 Resp: 33389

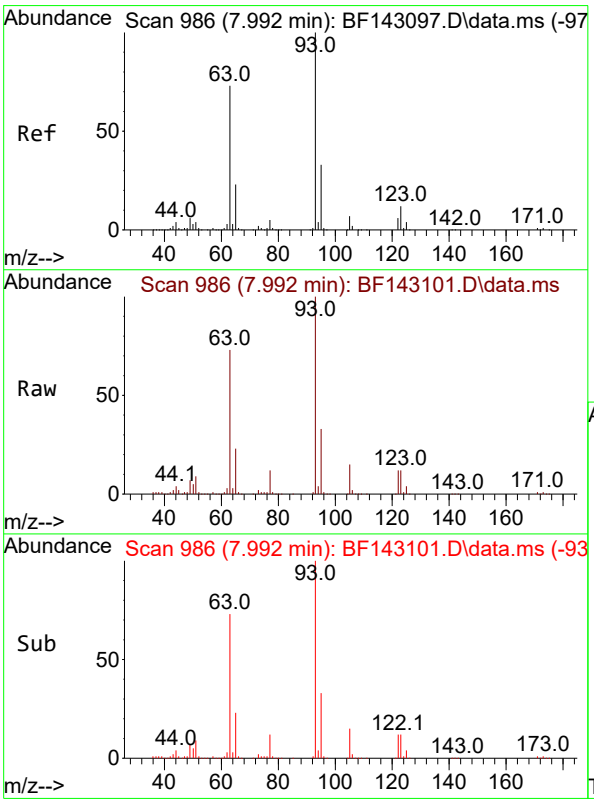
Ion	Ratio	Lower	Upper
122	100		
107	114.2	91.3	136.9
121	57.5	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

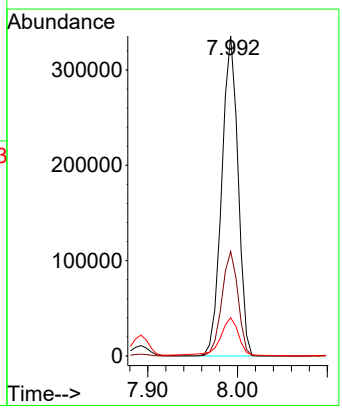
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

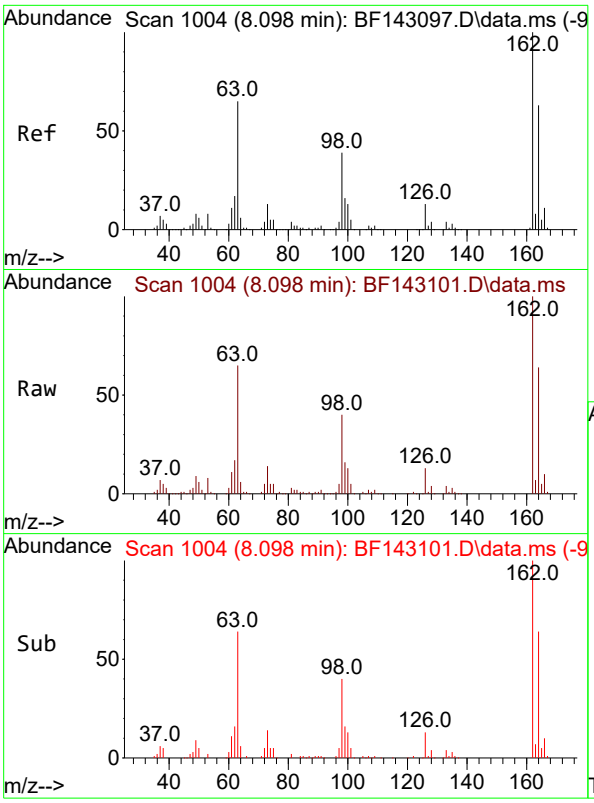


#28
bis(2-Chloroethoxy)methane
Concen: 40.789 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 423022

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.9	9.6	14.4

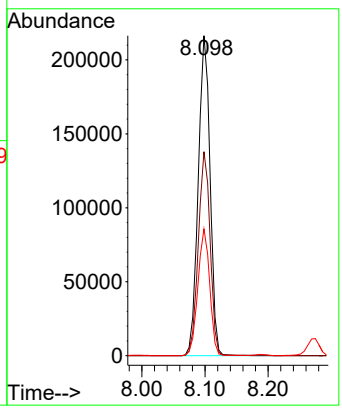




#29
2,4-Dichlorophenol
Concen: 43.580 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:162 Resp: 28301

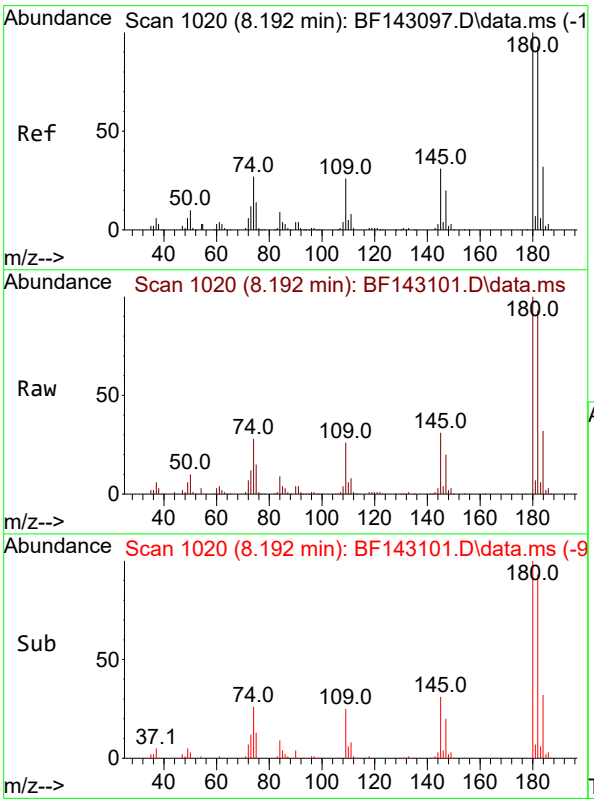
Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.1	83.1
98	39.6	19.2	59.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

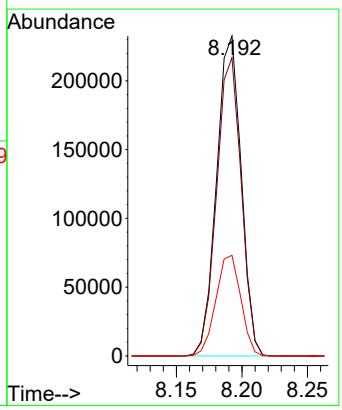
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

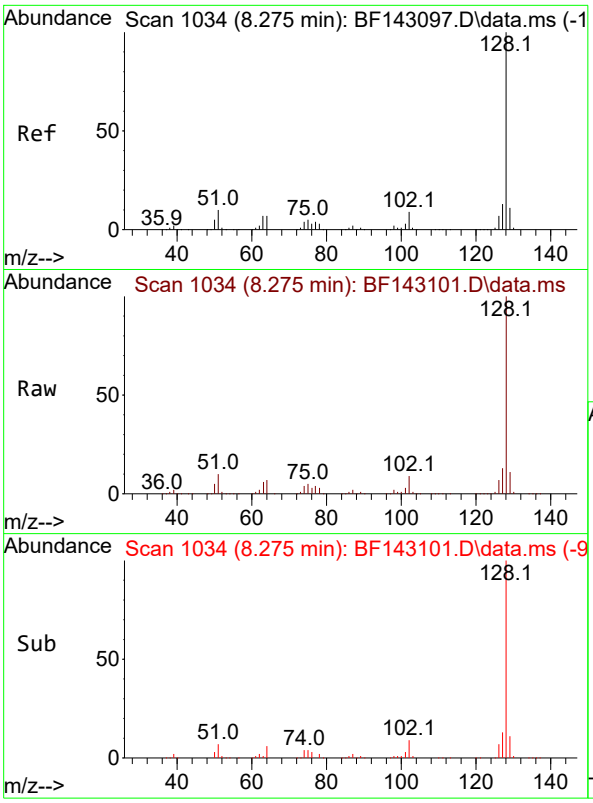


#30
1,2,4-Trichlorobenzene
Concen: 41.194 ng
RT: 8.192 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:180 Resp: 303602

Ion	Ratio	Lower	Upper
180	100		
182	93.2	74.7	112.1
145	31.4	24.5	36.7

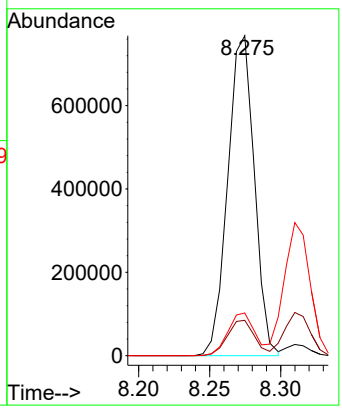




#31
Naphthalene
Concen: 40.543 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:128 Resp: 99936

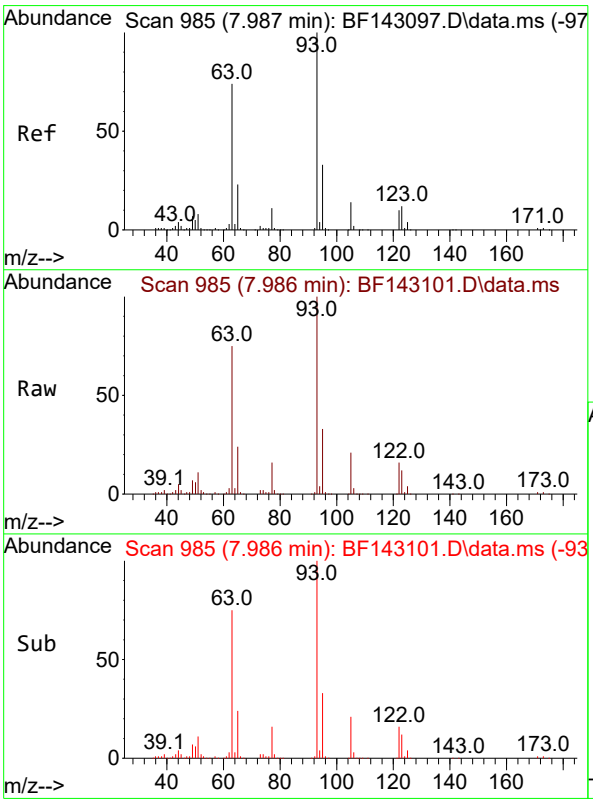
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.3	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

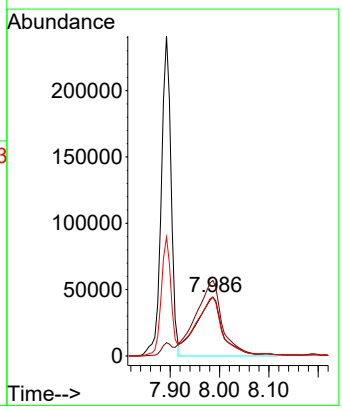
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

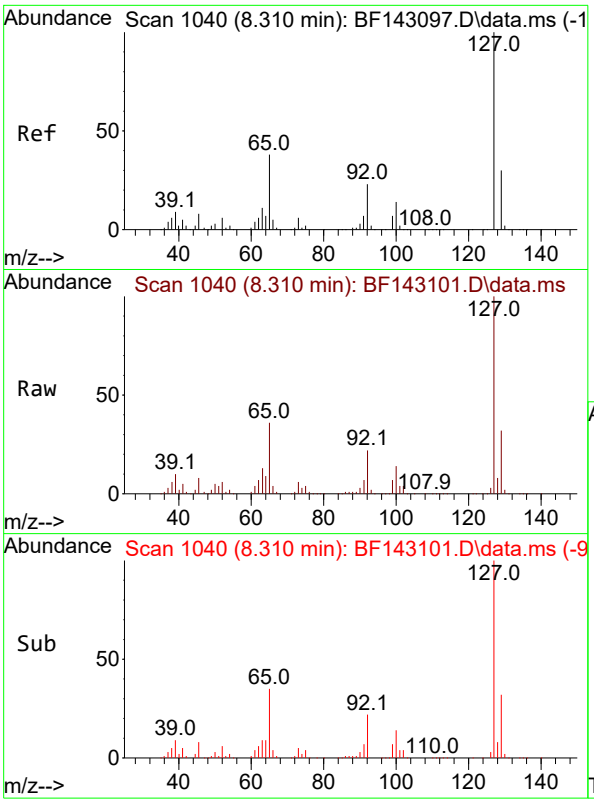


#32
Benzoic acid
Concen: 43.449 ng m
RT: 7.986 min Scan# 985
Delta R.T. -0.001 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:122 Resp: 169020

Ion	Ratio	Lower	Upper
122	100		
105	128.4	105.4	145.4
77	100.3	78.6	118.6

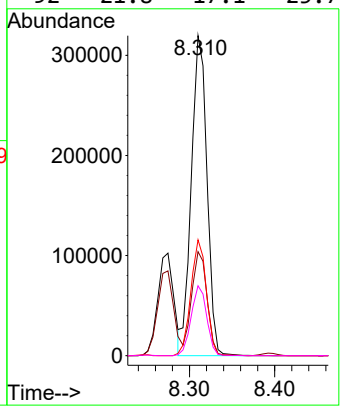




#33
4-Chloroaniline
Concen: 41.236 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:127 Resp: 40874

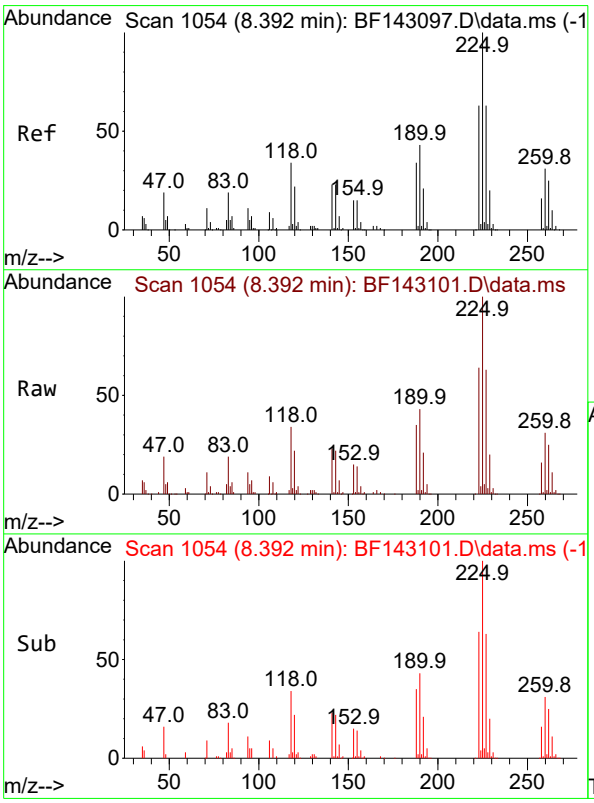
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	36.2	28.6	42.8
92	21.8	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

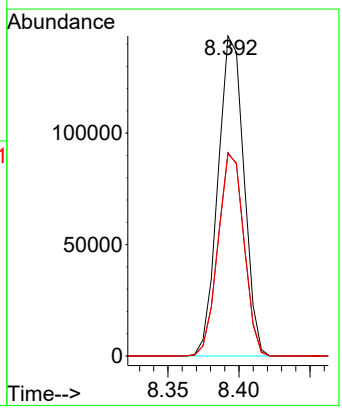
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

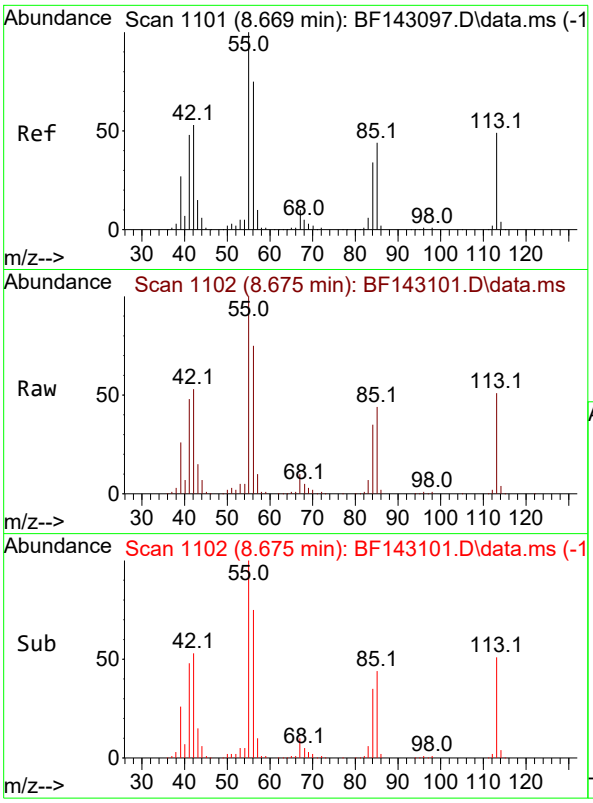


#34
Hexachlorobutadiene
Concen: 41.324 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:225 Resp: 182140

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.1	50.1	75.1

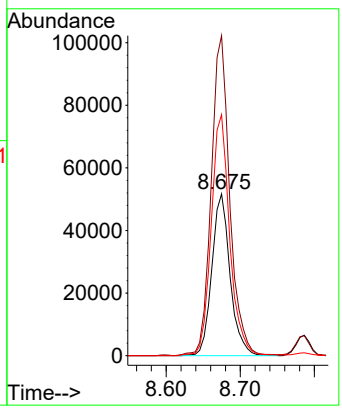




#35
Caprolactam
Concen: 43.536 ng
RT: 8.675 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:113 Resp: 8828

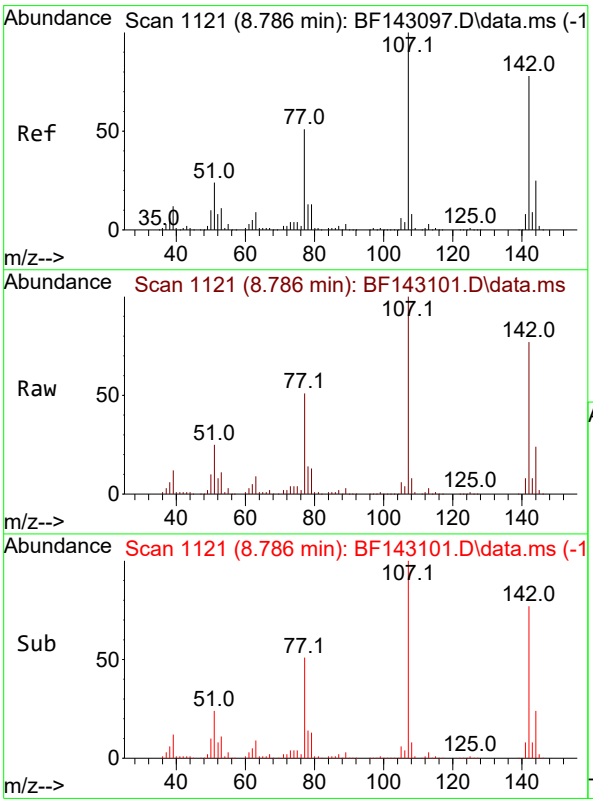
Ion	Ratio	Lower	Upper
113	100		
55	197.8	186.2	226.2
56	148.9	134.1	174.1



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

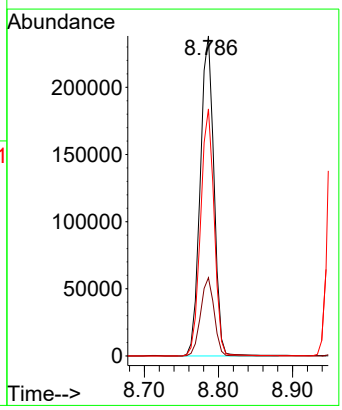
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

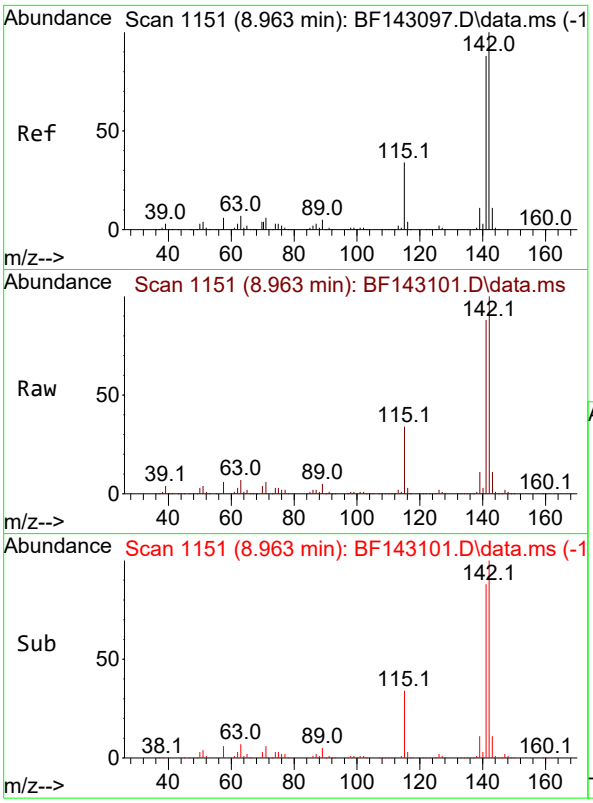


#36
4-Chloro-3-methylphenol
Concen: 42.387 ng
RT: 8.786 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 306624

Ion	Ratio	Lower	Upper
107	100		
144	24.4	20.2	30.2
142	77.2	62.4	93.6

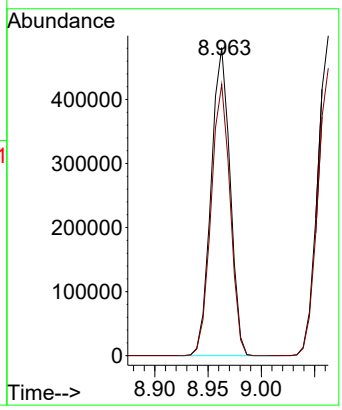




#37
2-Methylnaphthalene
Concen: 40.654 ng
RT: 8.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:142 Resp: 59781

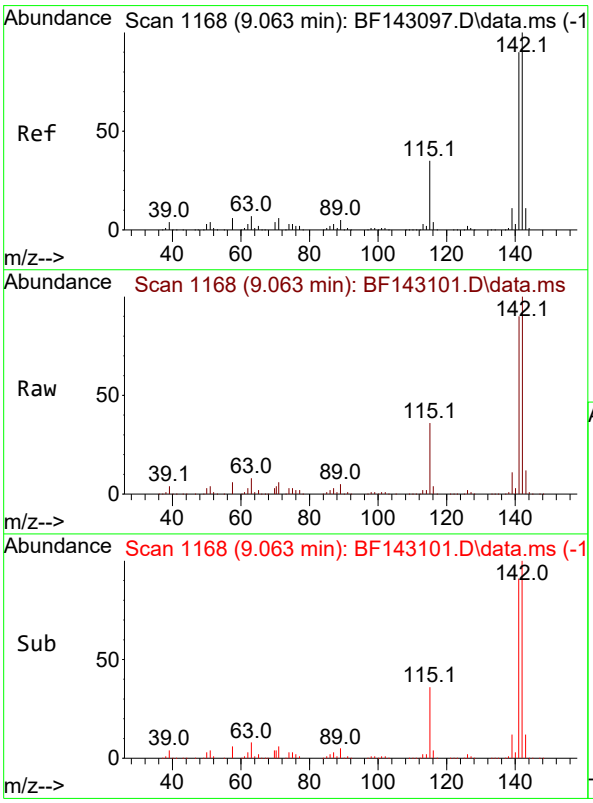
Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.2	105.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

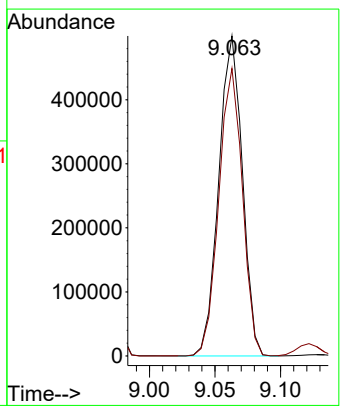
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

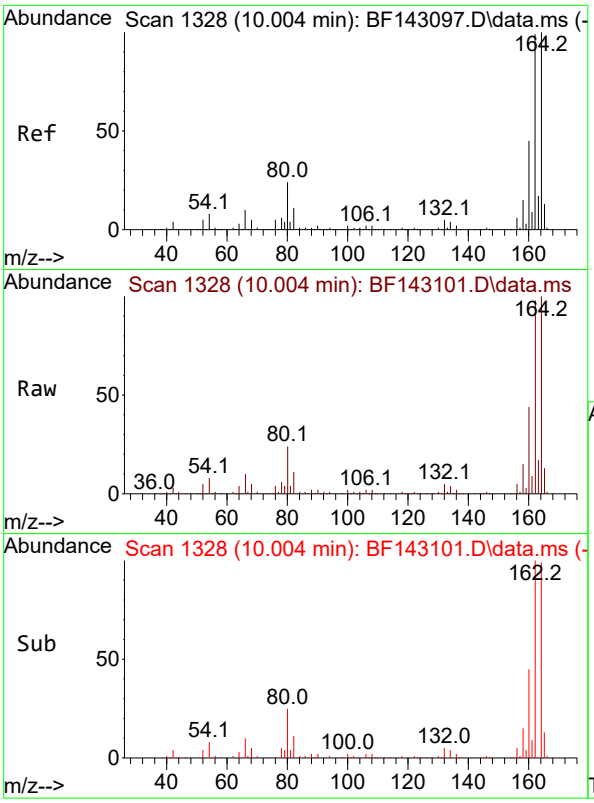


#38
1-Methylnaphthalene
Concen: 40.922 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:142 Resp: 624130

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.4

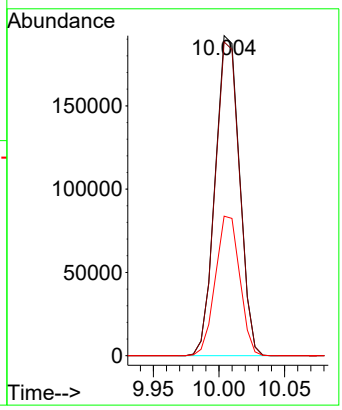




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:164 Resp: 24822

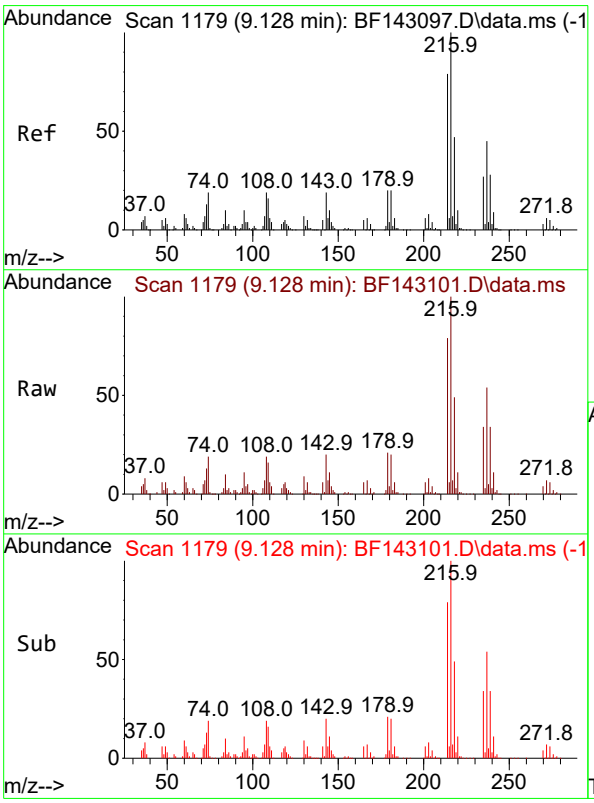
Ion	Ratio	Lower	Upper
164	100		
162	98.1	79.0	118.6
160	43.6	35.8	53.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

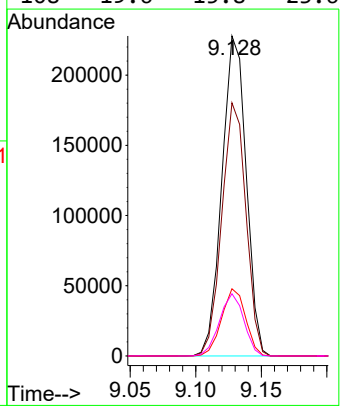
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

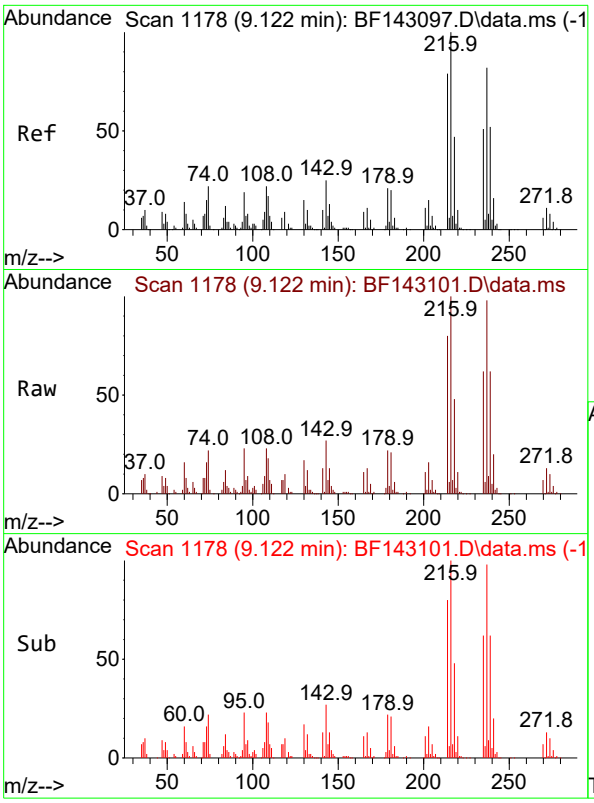


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.531 ng
RT: 9.128 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:216 Resp: 293187

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	94.0
179	20.8	16.2	24.2
108	19.6	15.8	23.6





#41
Hexachlorocyclopentadiene
Concen: 45.086 ng
RT: 9.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

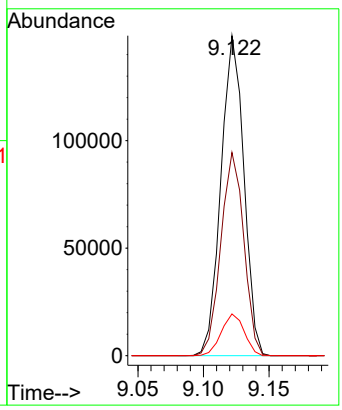
Tgt Ion:237 Resp: 18081

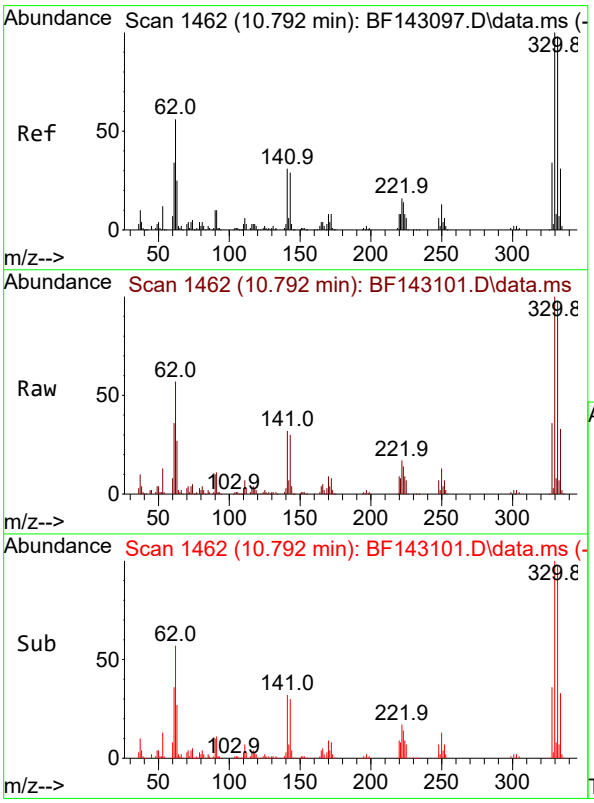
Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.6	81.6
272	13.0	0.0	32.9

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

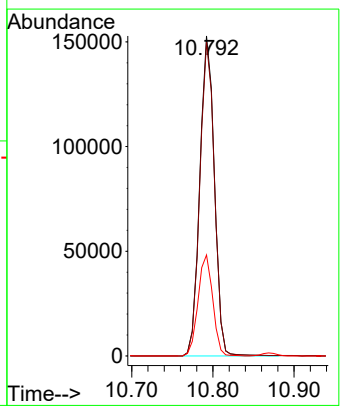


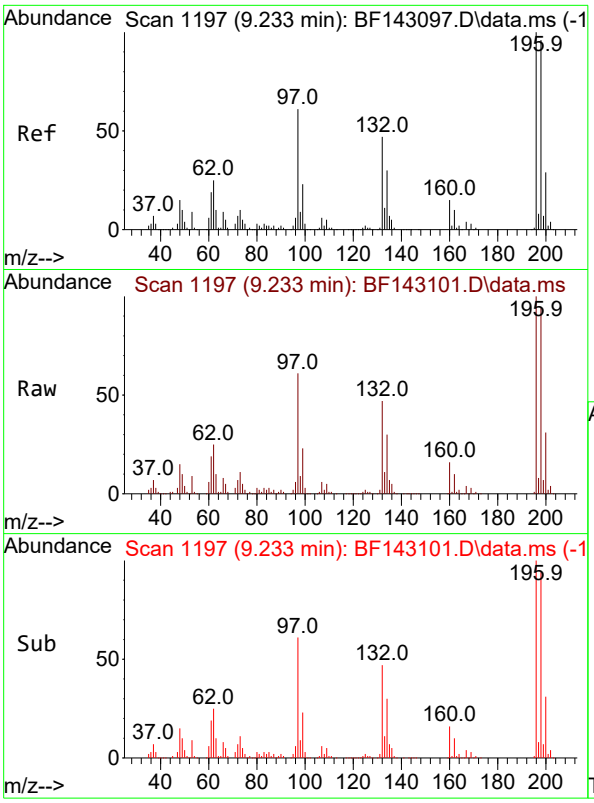


#42
2,4,6-Tribromophenol
Concen: 85.971 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:330 Resp: 190277

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.9	116.9
141	31.8	25.9	38.9

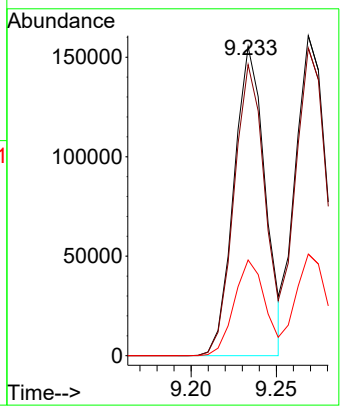




#43
2,4,6-Trichlorophenol
Concen: 43.955 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:196 Resp: 19756

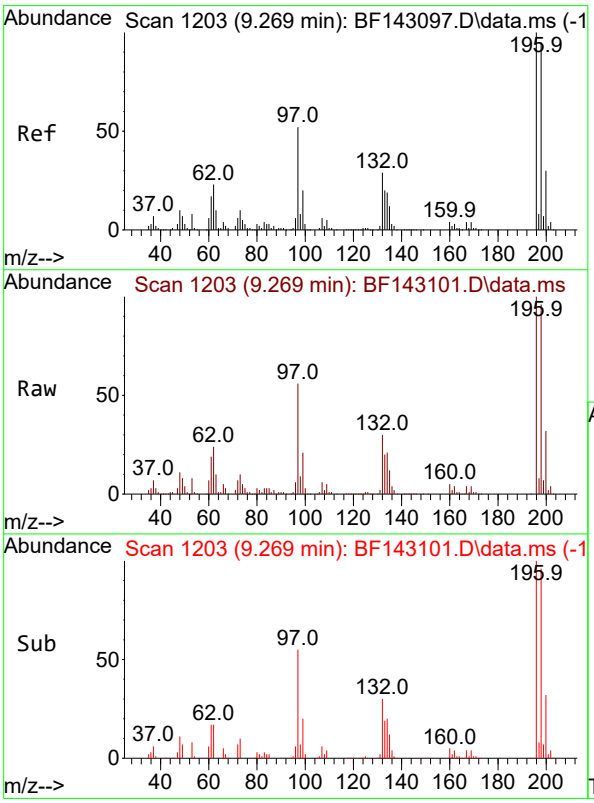
Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.9	115.3
200	30.9	23.5	35.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

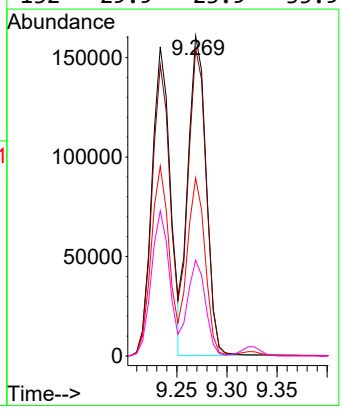
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

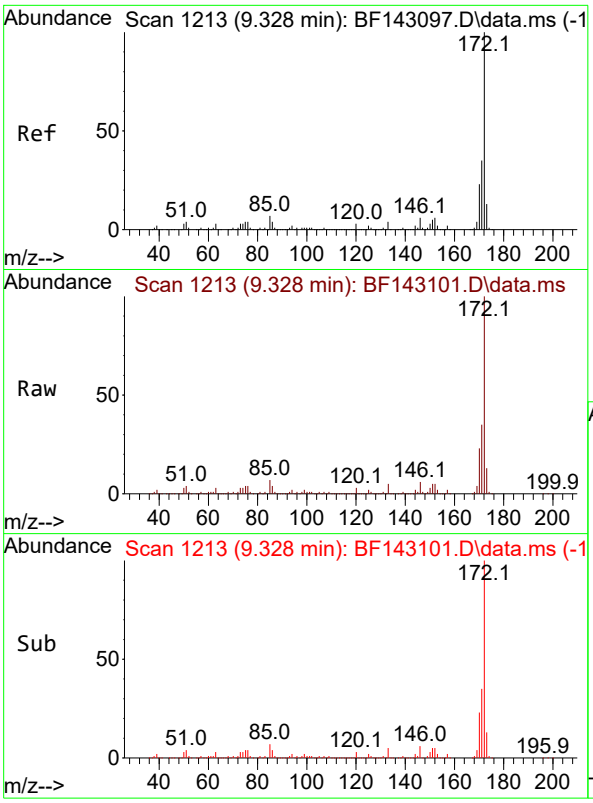


#44
2,4,5-Trichlorophenol
Concen: 43.001 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:196 Resp: 202658

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.4	114.6
97	55.6	42.4	63.6
132	29.9	23.9	35.9

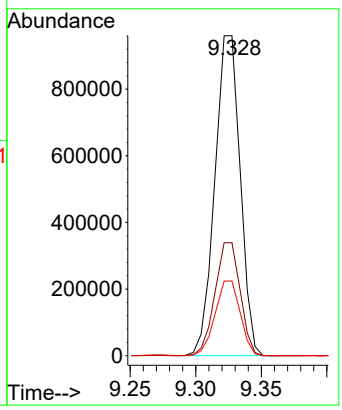




#45
2-Fluorobiphenyl
Concen: 69.090 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:172 Resp: 129014

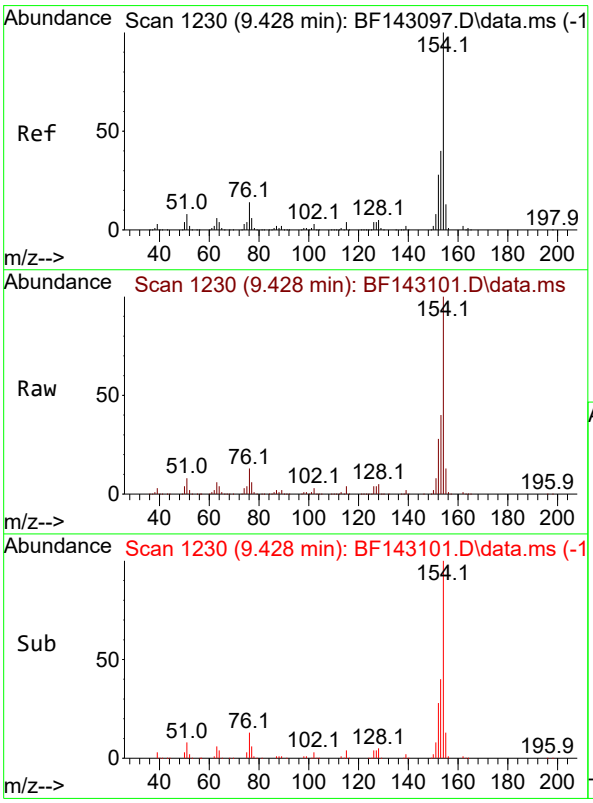
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.4	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

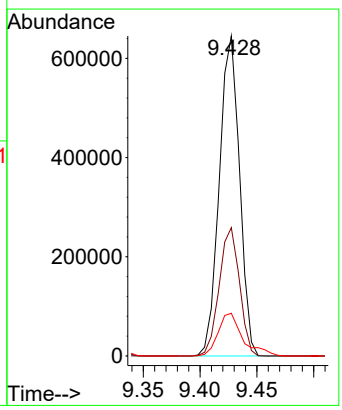
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

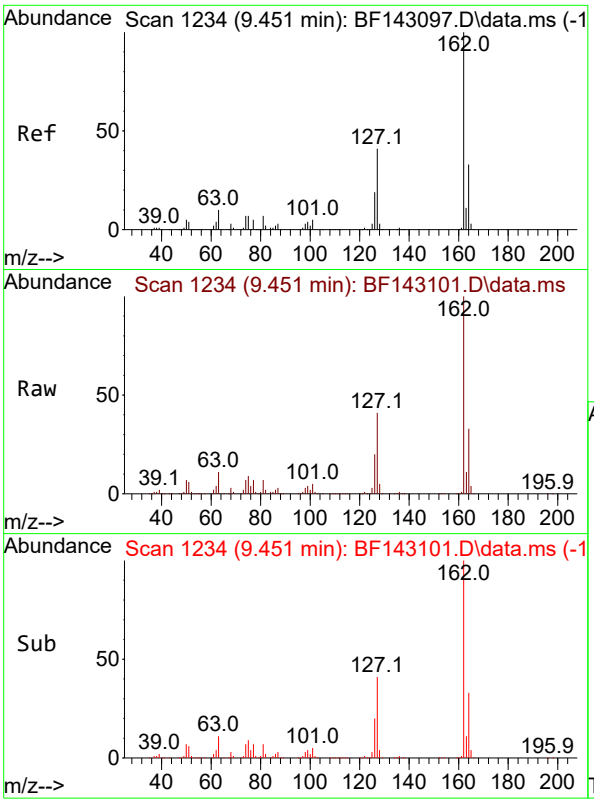


#46
1,1'-Biphenyl
Concen: 40.387 ng
RT: 9.428 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 799467

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	13.4	0.0	33.7

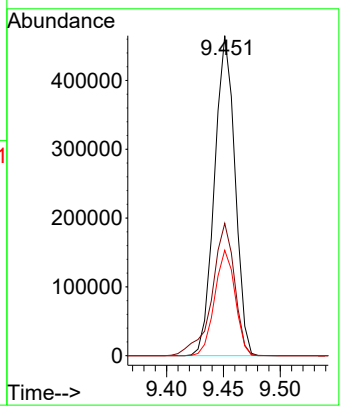




#47
2-Chloronaphthalene
Concen: 40.207 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:162 Resp: 58468

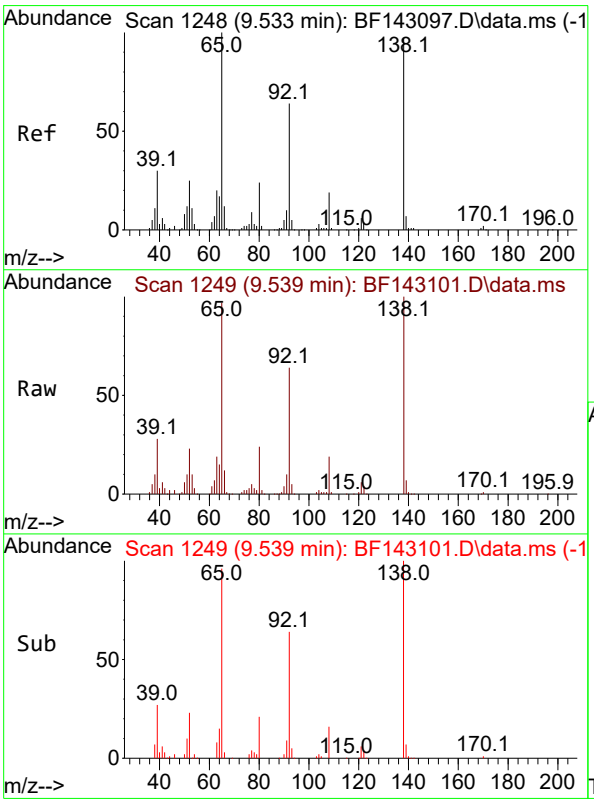
Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.0	49.6
164	33.0	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

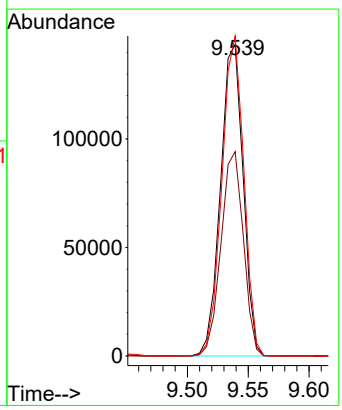
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

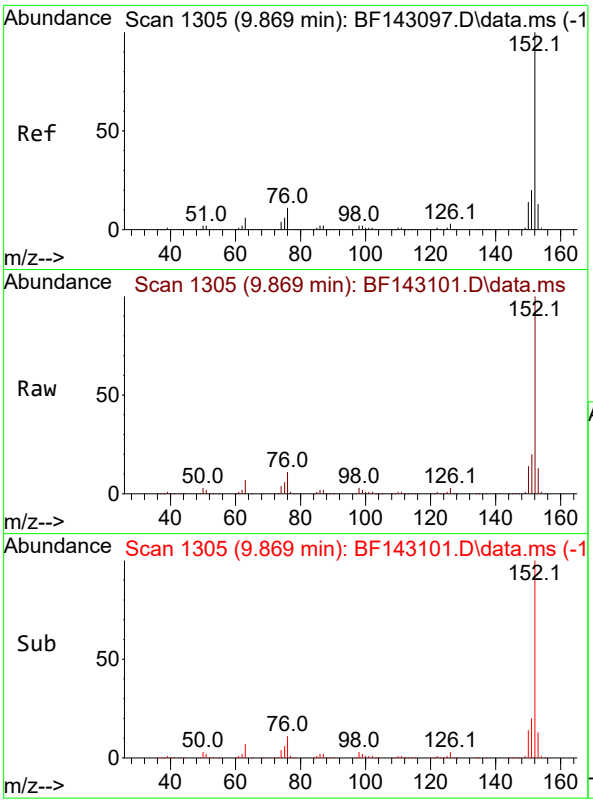


#48
2-Nitroaniline
Concen: 43.148 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 65 Resp: 185847

Ion	Ratio	Lower	Upper
65	100		
92	65.6	51.3	76.9
138	102.7	77.8	116.6

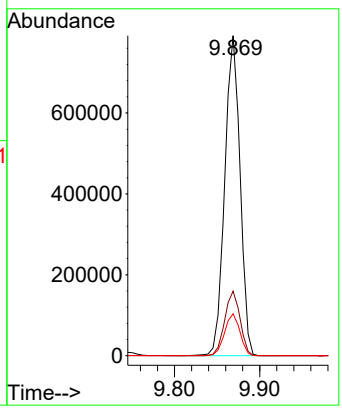




#49
Acenaphthylene
Concen: 40.736 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:152 Resp: 98710

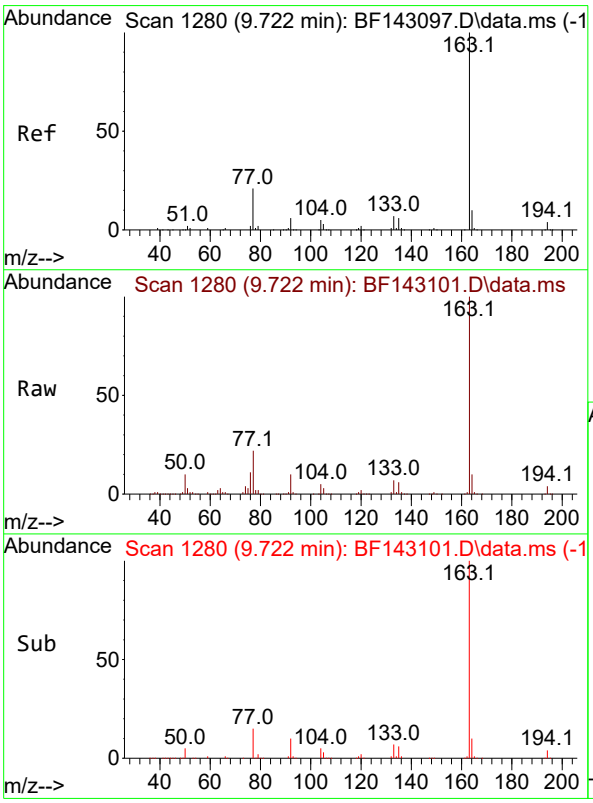
Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.1	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

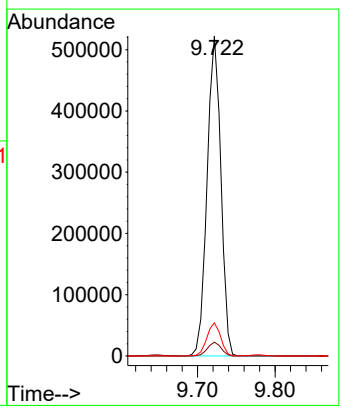
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

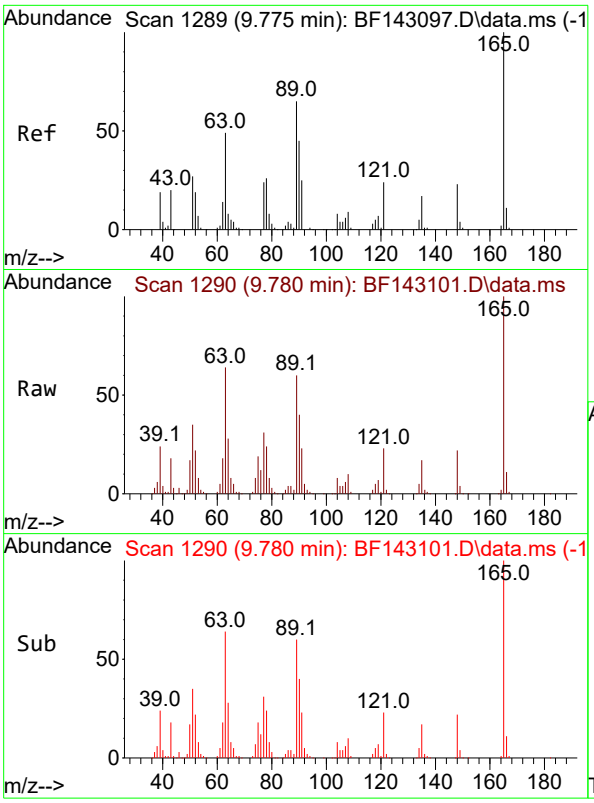


#50
Dimethylphthalate
Concen: 41.279 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:163 Resp: 644618

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 43.156 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

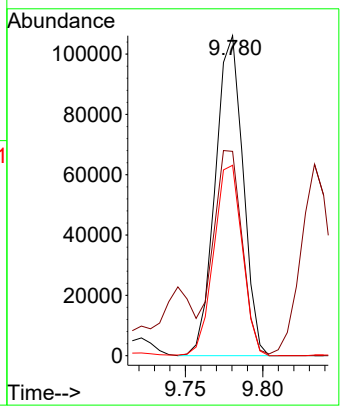
Tgt Ion:165 Resp: 13224

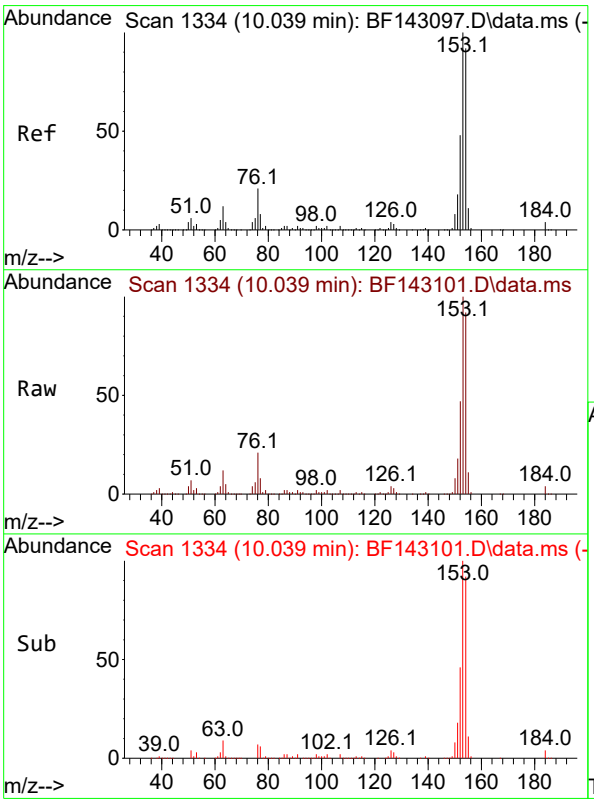
Ion	Ratio	Lower	Upper
165	100		
63	63.9	57.4	86.0
89	59.5	51.8	77.8

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

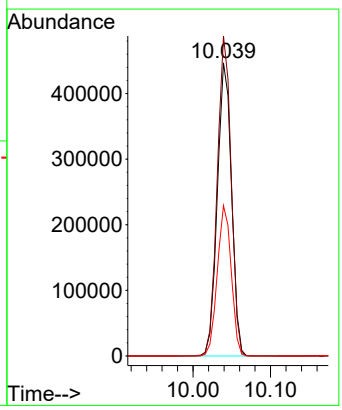


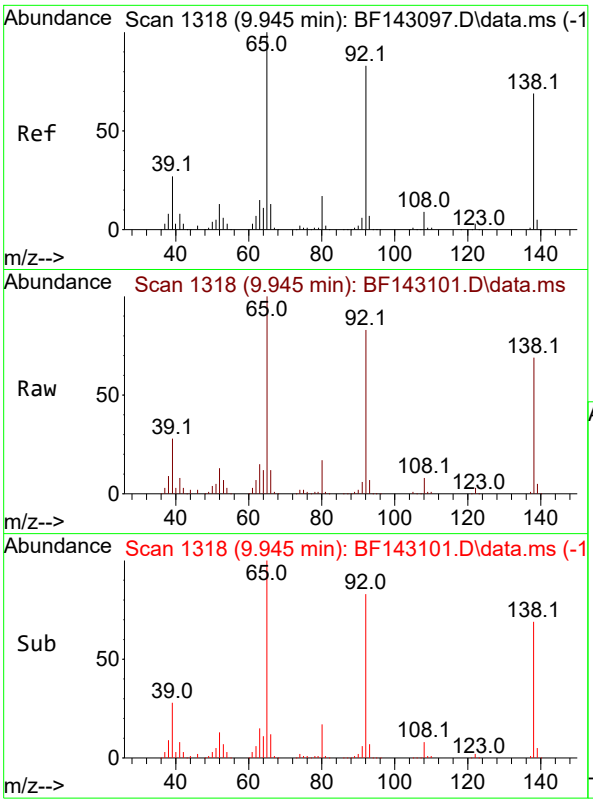


#52
Acenaphthene
Concen: 39.982 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 571724

Ion	Ratio	Lower	Upper
154	100		
153	109.2	86.7	130.1
152	51.3	41.4	62.2





#53
3-Nitroaniline
Concen: 47.707 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

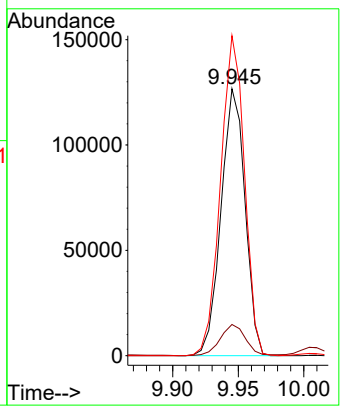
Tgt Ion:138 Resp: 16097

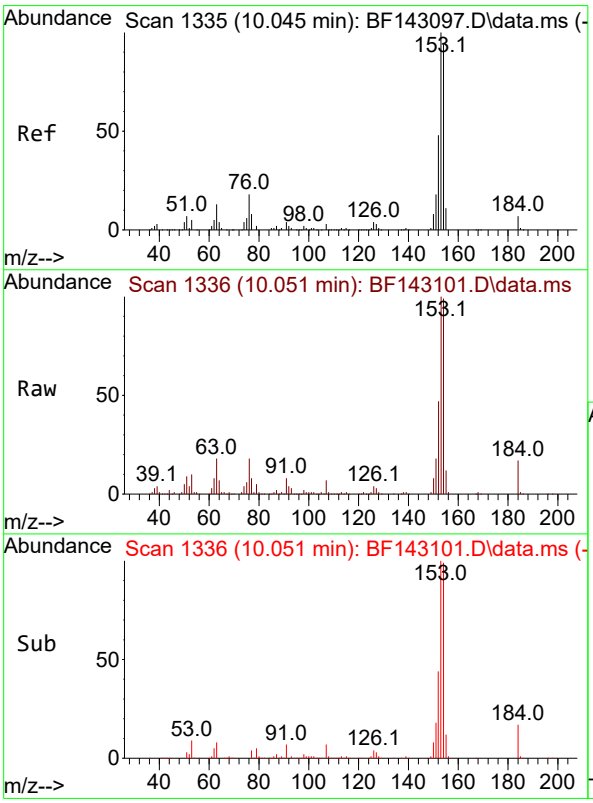
Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.1	15.1
92	119.9	96.4	144.6

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

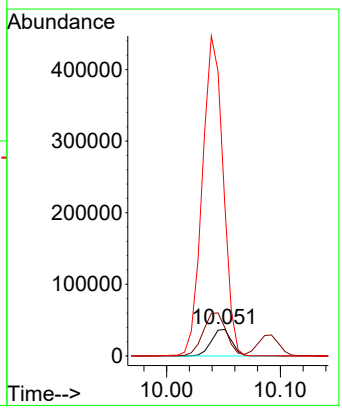


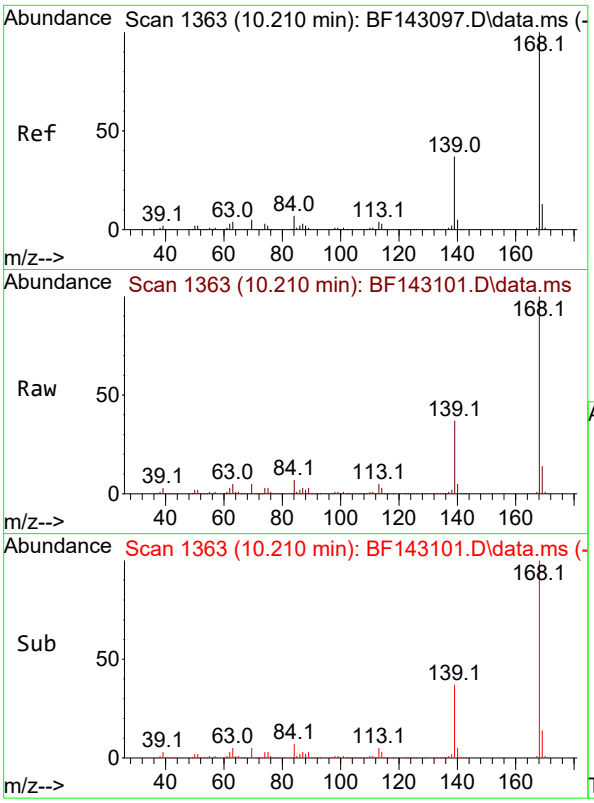


#54
2,4-Dinitrophenol
Concen: 47.113 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:184 Resp: 46465

Ion	Ratio	Lower	Upper
184	100		
63	106.9	149.3	223.9#
154	573.8	1048.0	1572.0#

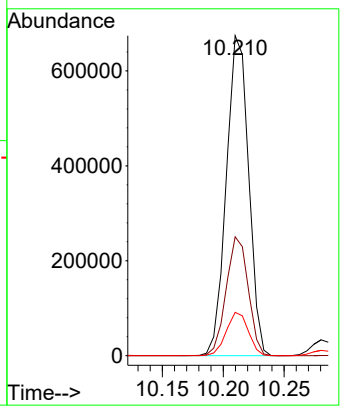




#55
Dibenzofuran
Concen: 40.300 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:168 Resp: 85894

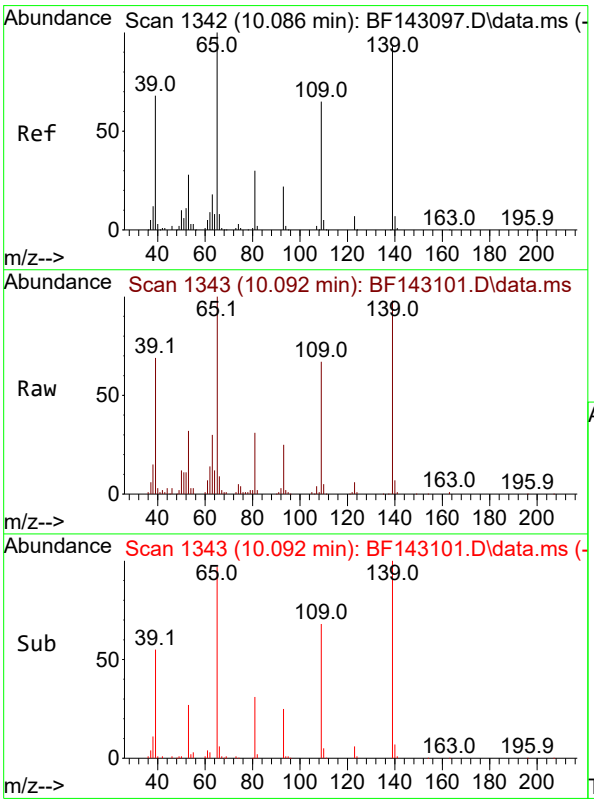
Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

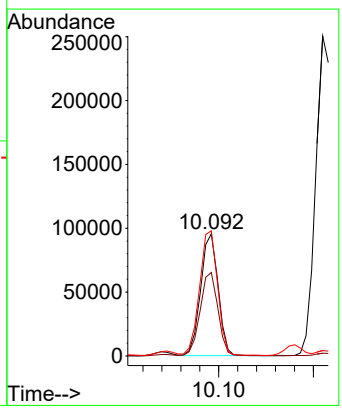
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

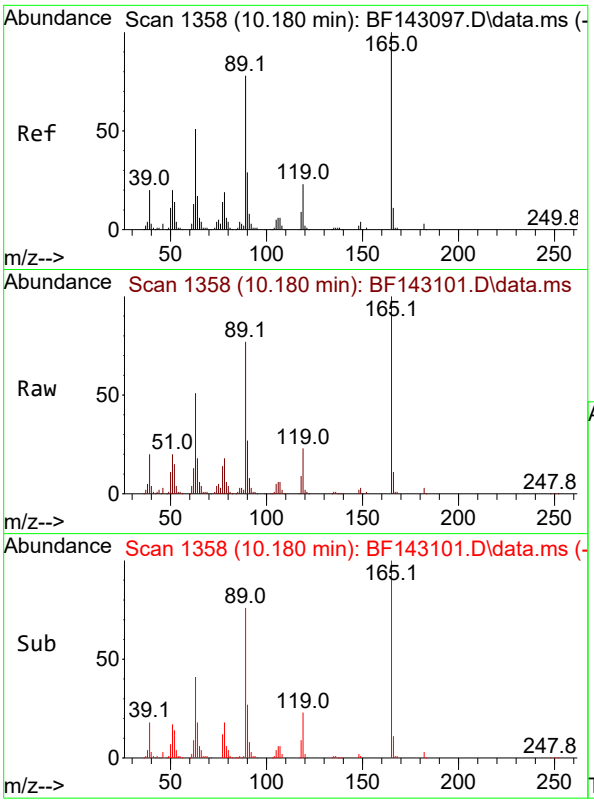


#56
4-Nitrophenol
Concen: 45.720 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 122610

Ion	Ratio	Lower	Upper
139	100		
109	68.4	49.4	89.4
65	102.5	88.2	128.2

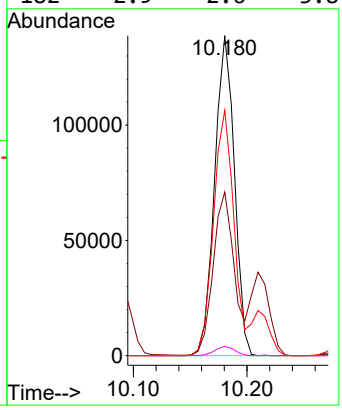




#57
2,4-Dinitrotoluene
Concen: 43.964 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:165 Resp: 16822

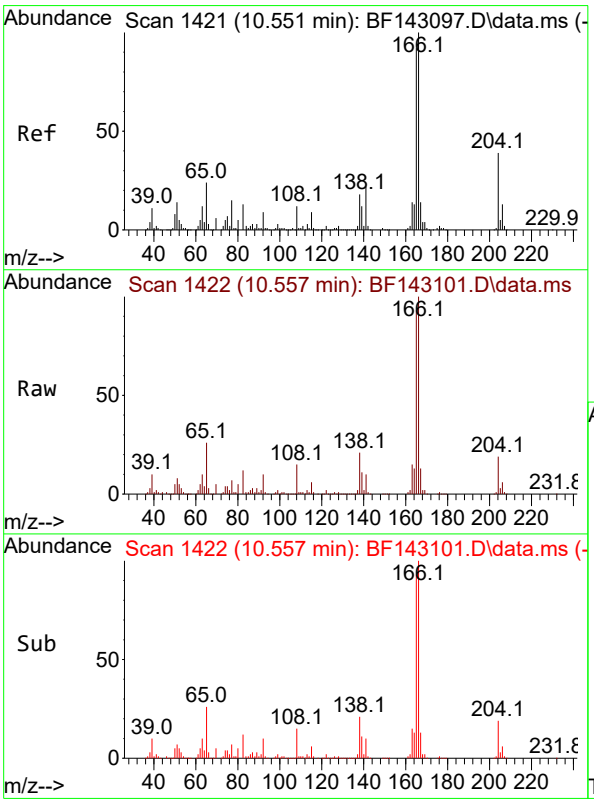
Ion	Ratio	Lower	Upper
165	100		
63	51.2	40.6	61.0
89	76.6	62.3	93.5
182	2.9	2.6	3.8



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

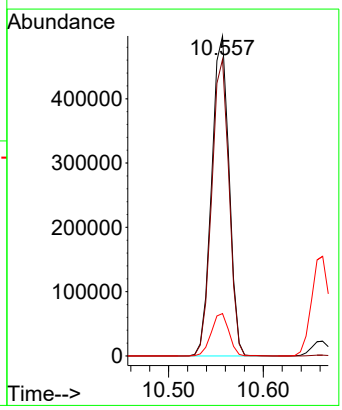
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

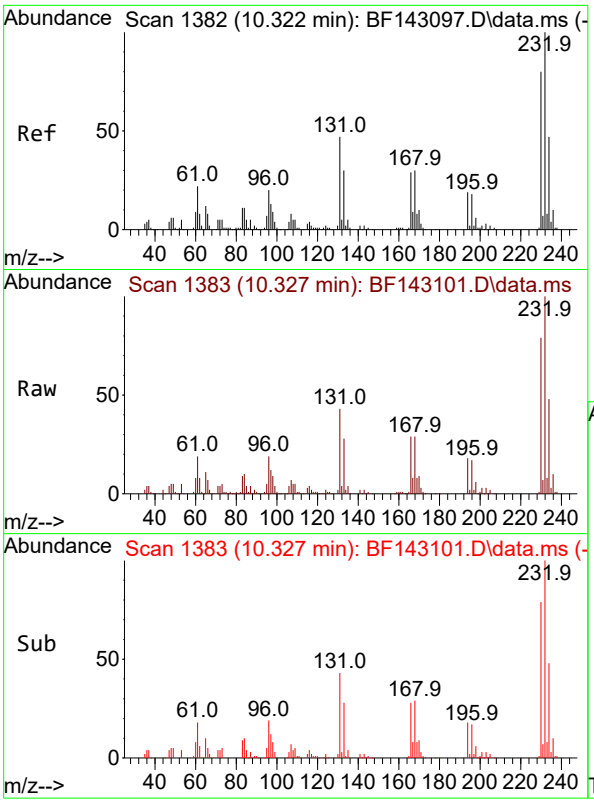


#58
Fluorene
Concen: 39.732 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:166 Resp: 634897

Ion	Ratio	Lower	Upper
166	100		
165	92.6	73.7	110.5
167	13.3	10.9	16.3

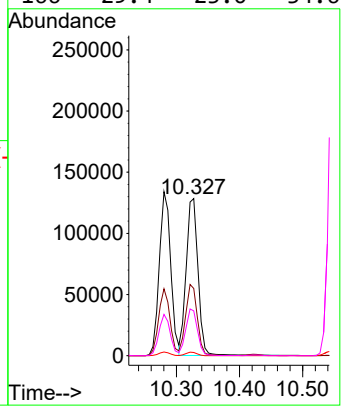




#59
2,3,4,6-Tetrachlorophenol
Concen: 44.902 ng
RT: 10.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:232 Resp: 16817

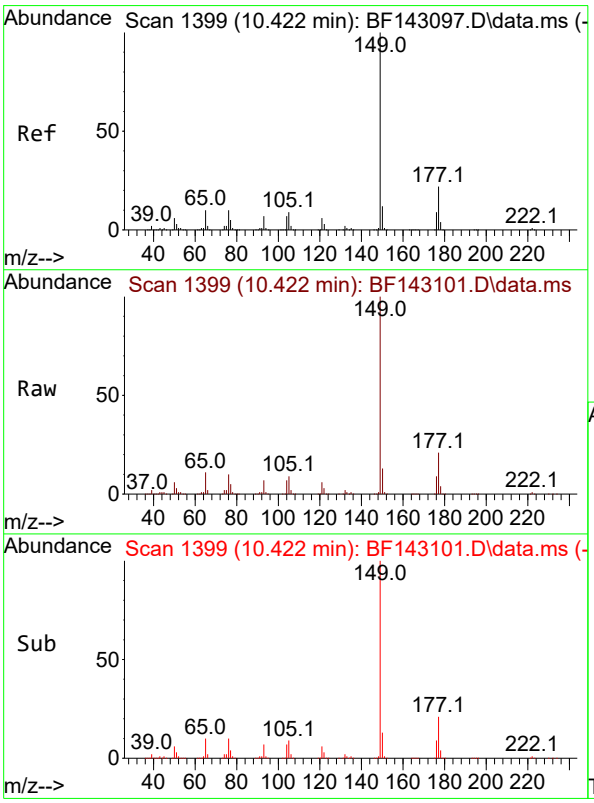
Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.9	55.3
130	2.1	1.8	2.8
166	29.4	23.0	34.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

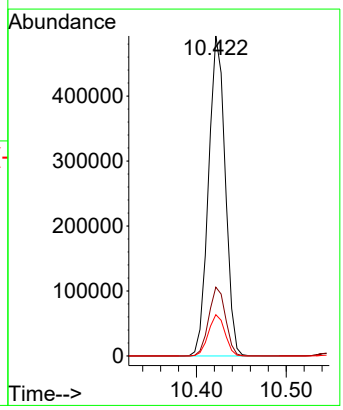
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

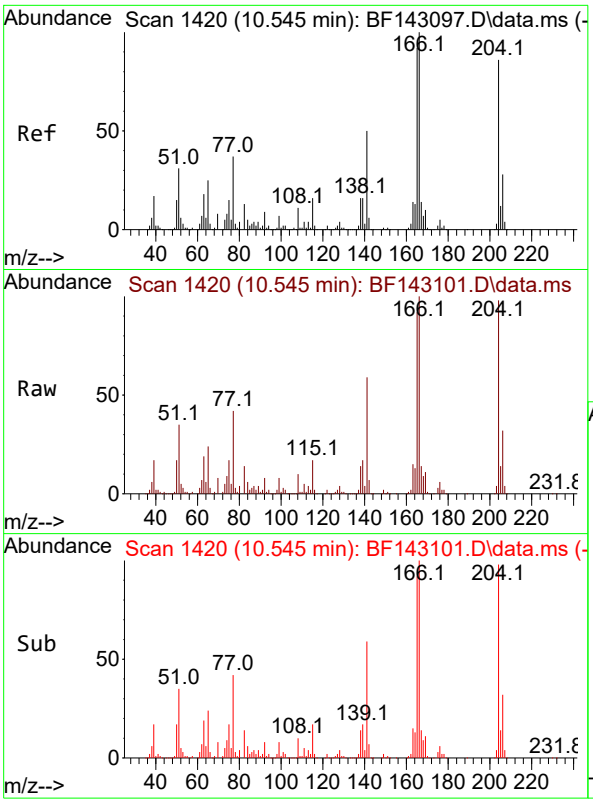


#60
Diethylphthalate
Concen: 42.297 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 637247

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.3	25.9
150	12.9	9.9	14.9





#61
4-Chlorophenyl-phenylether
Concen: 40.882 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

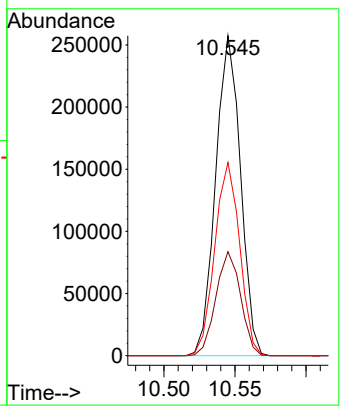
Tgt Ion:204 Resp: 31311

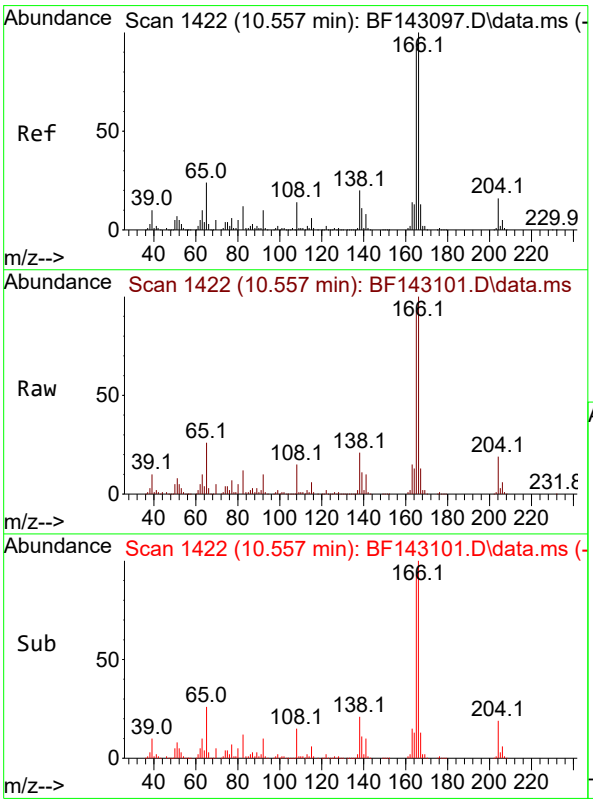
Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	60.4	46.8	70.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

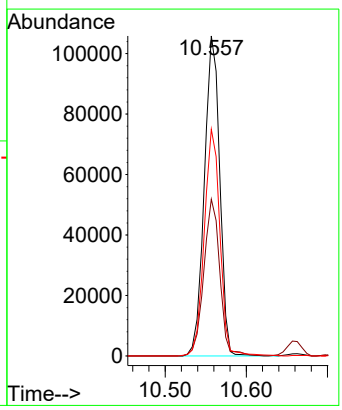


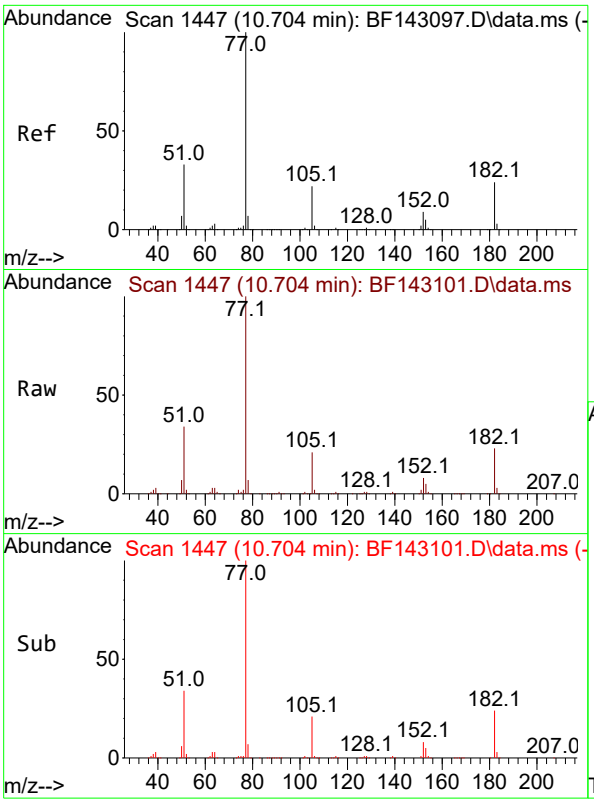


#62
4-Nitroaniline
Concen: 47.486 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:138 Resp: 139342

Ion	Ratio	Lower	Upper
138	100		
92	49.0	30.4	70.4
108	70.8	49.5	89.5

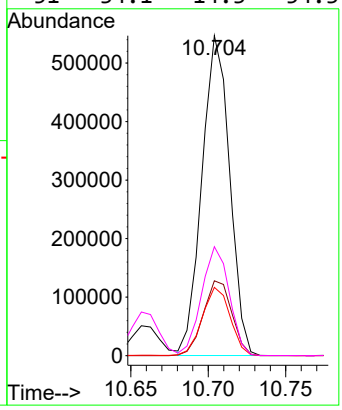




#63
Azobenzene
Concen: 40.833 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 68035

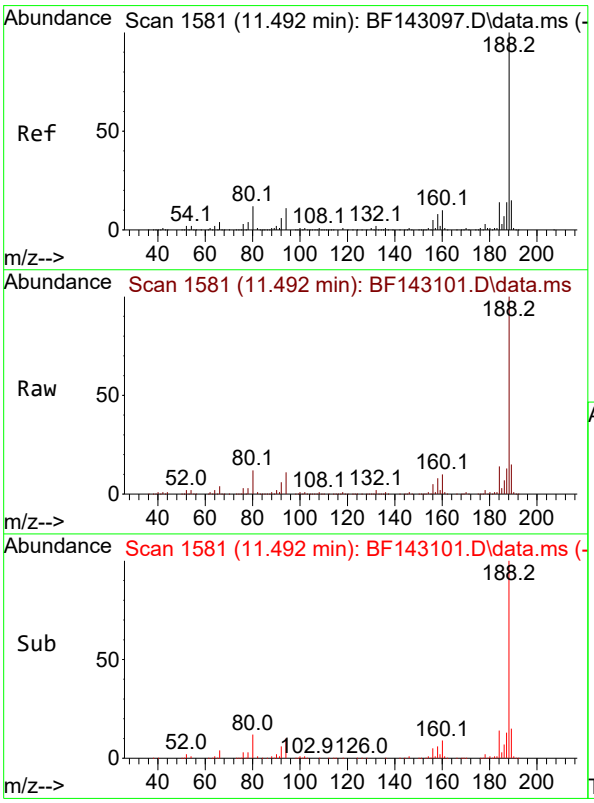
Ion	Ratio	Lower	Upper
77	100		
182	23.4	4.0	44.0
105	21.3	1.4	41.4
51	34.1	14.3	54.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

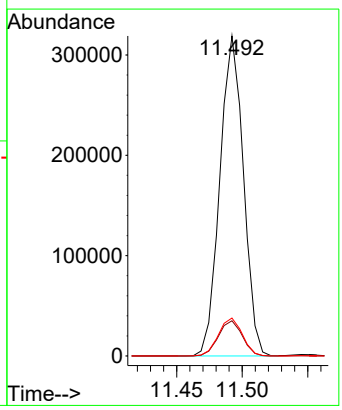
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

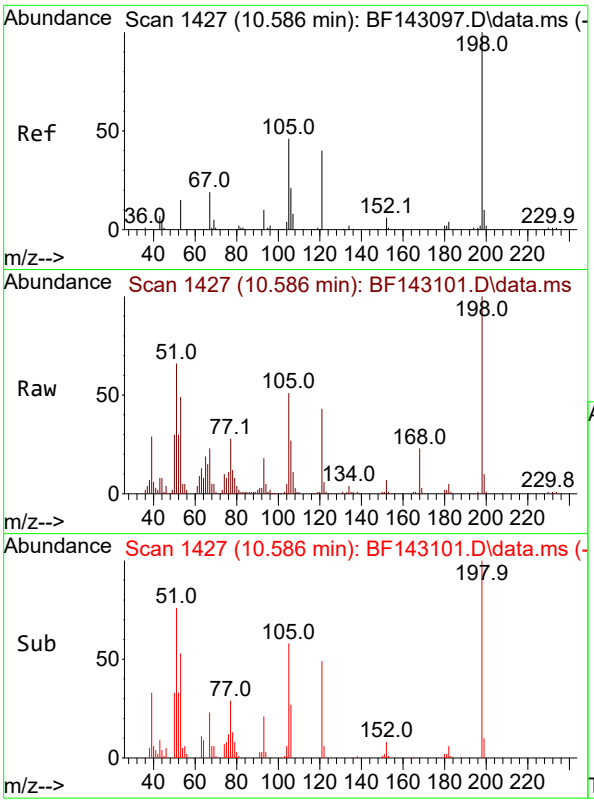


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:188 Resp: 398969

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.6	13.0
80	11.9	9.3	13.9





#65
4,6-Dinitro-2-methylphenol
Concen: 44.754 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

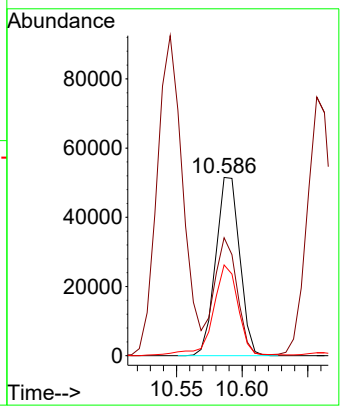
Tgt Ion:198 Resp: 6526

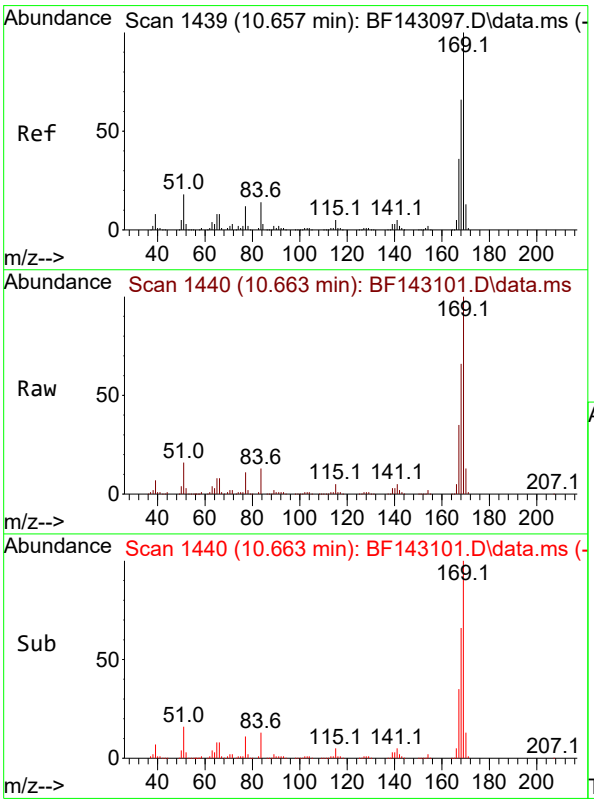
Ion	Ratio	Lower	Upper
198	100		
51	66.2	44.6	84.6
105	50.9	29.3	69.3

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

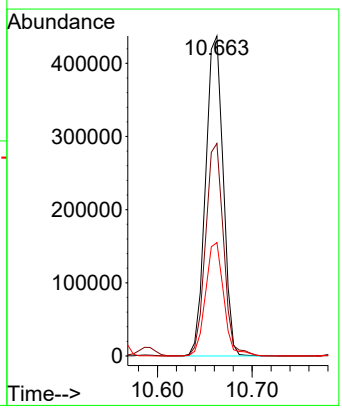


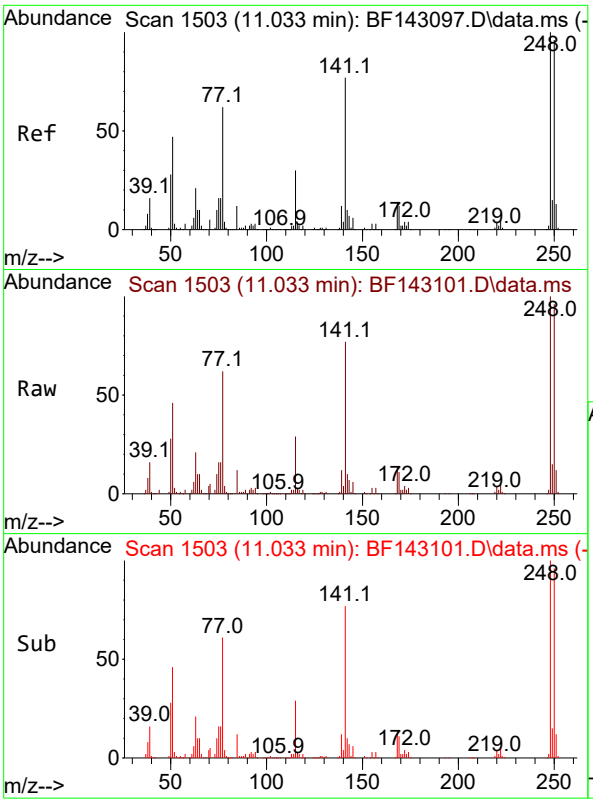


#66
n-Nitrosodiphenylamine
Concen: 40.179 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:169 Resp: 563086

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	35.5	28.4	42.6

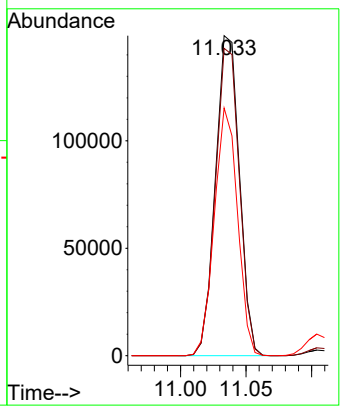




#67
4-Bromophenyl-phenylether
Concen: 41.782 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:248 Resp: 18957

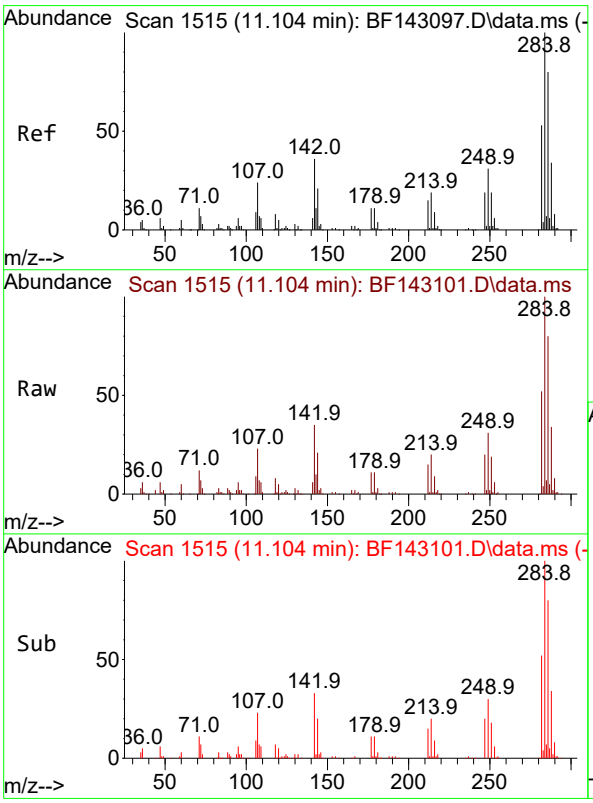
Ion	Ratio	Lower	Upper
248	100		
250	96.0	76.7	115.1
141	77.4	61.7	92.5



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

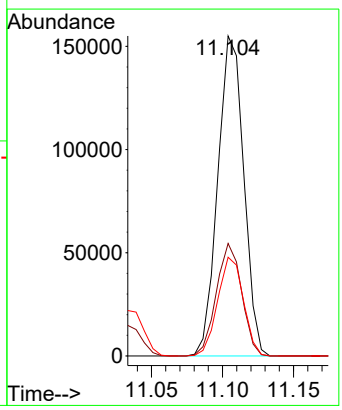
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

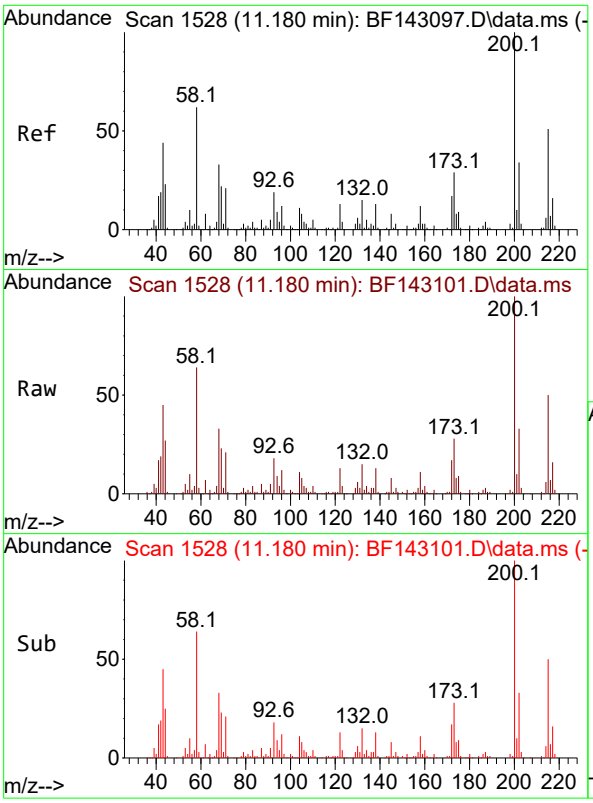


#68
Hexachlorobenzene
Concen: 40.915 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:284 Resp: 196969

Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.9	43.3
249	30.9	24.6	37.0

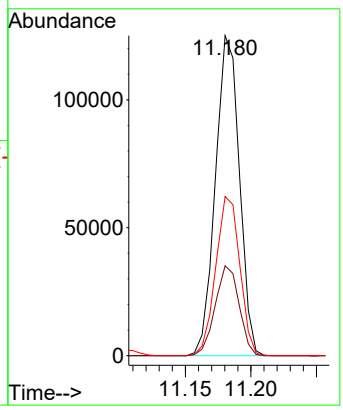




#69
Atrazine
Concen: 44.273 ng
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:200 Resp: 15874

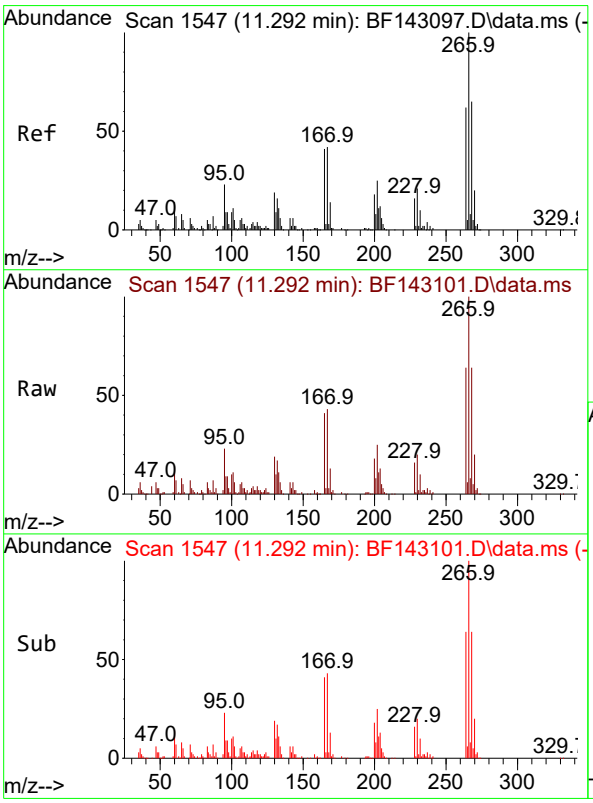
Ion	Ratio	Lower	Upper
200	100		
173	28.1	9.1	49.1
215	49.8	31.0	71.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

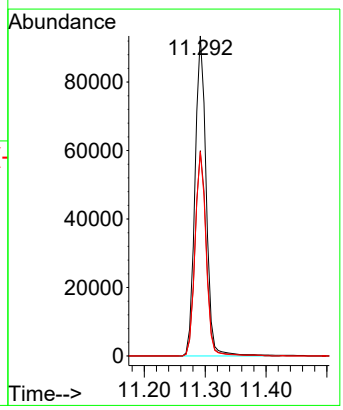
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

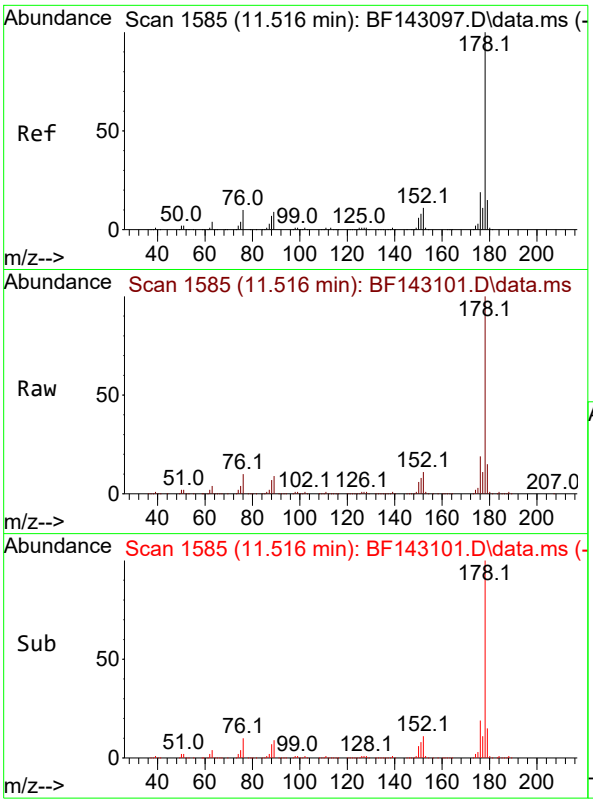


#70
Pentachlorophenol
Concen: 44.978 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:266 Resp: 118797

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.8	77.6
264	63.7	49.7	74.5

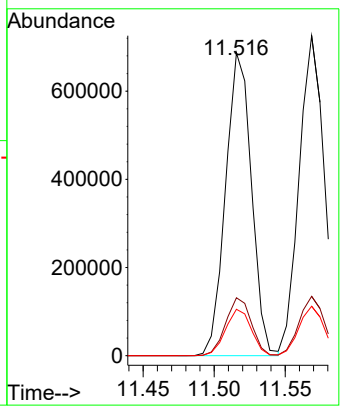




#71
Phenanthrene
Concen: 40.469 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:178 Resp: 87136

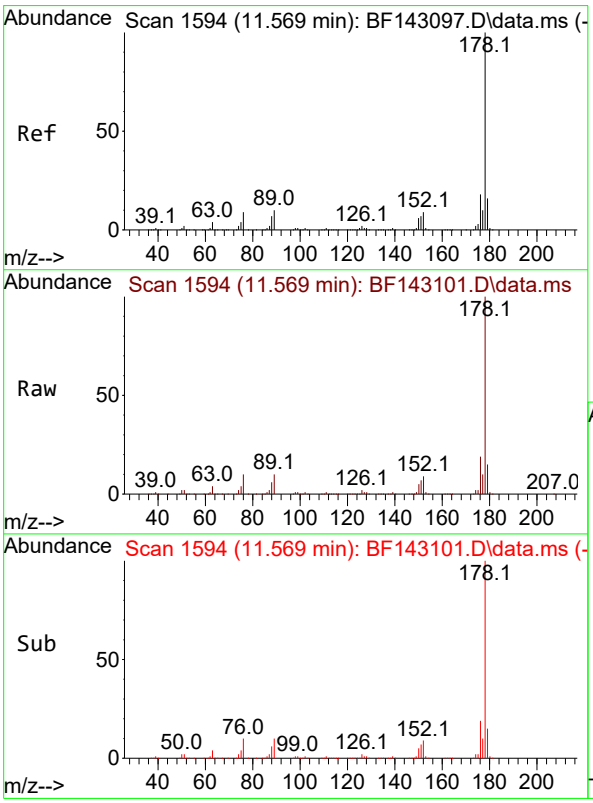
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.3	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

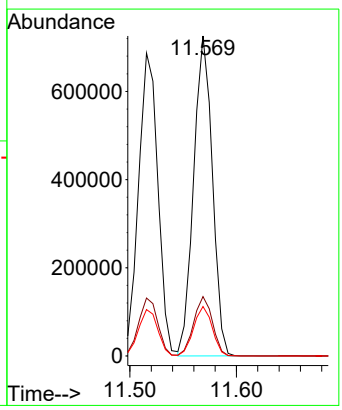
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

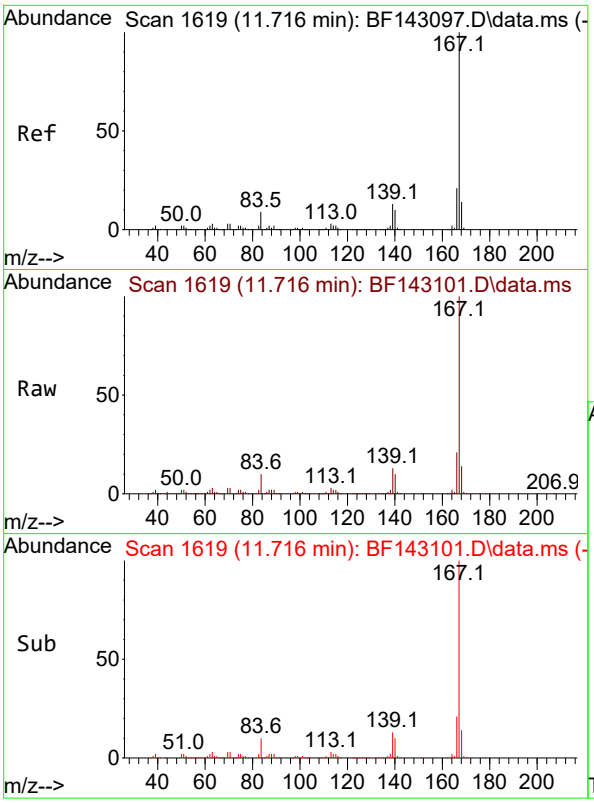


#72
Anthracene
Concen: 40.999 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:178 Resp: 887738

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.5	12.4	18.6

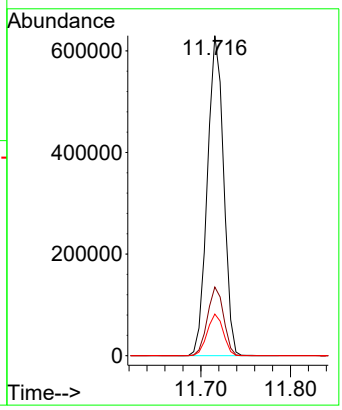




#73
Carbazole
Concen: 40.823 ng
RT: 11.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:167 Resp: 79188

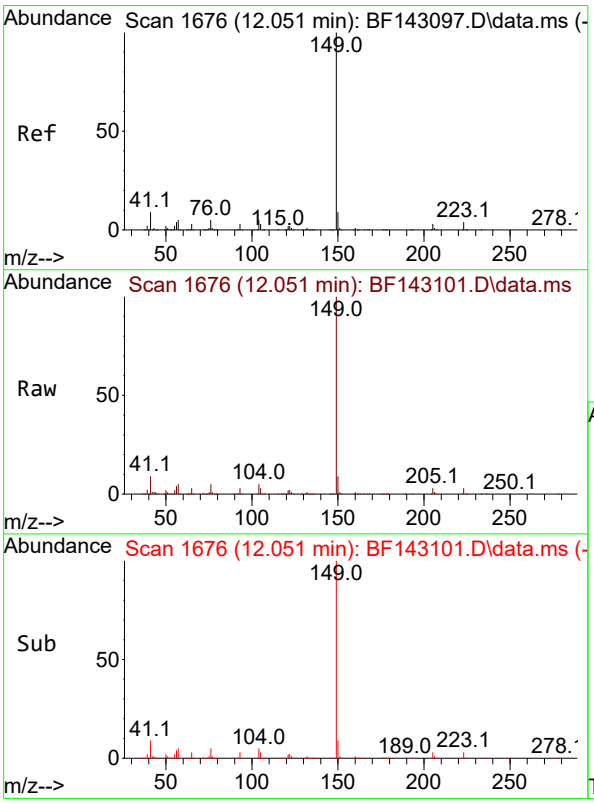
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.0	10.2	15.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

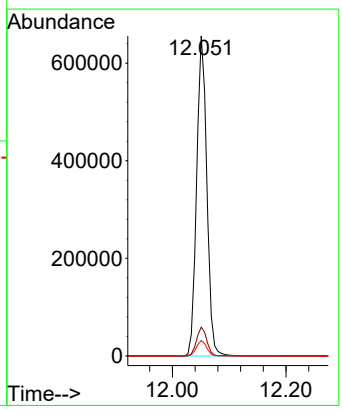
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

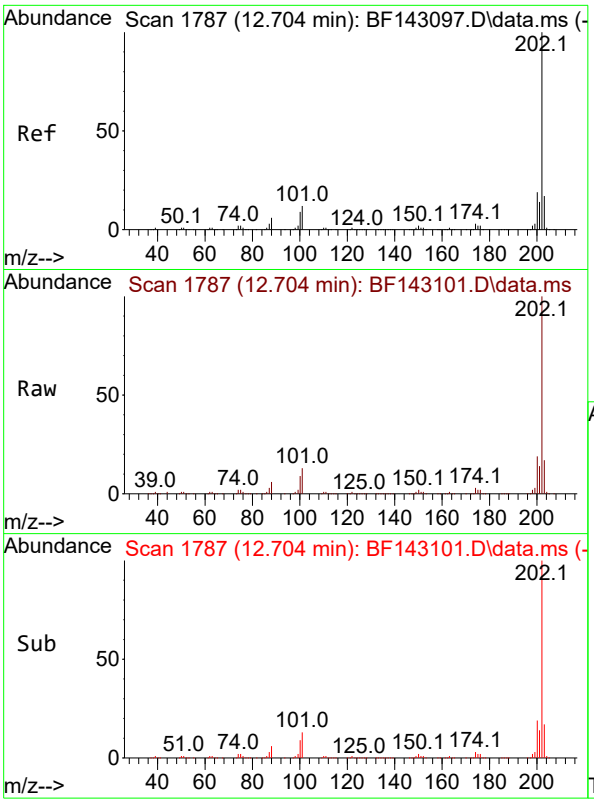


#74
Di-n-butylphthalate
Concen: 46.099 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 820833

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.8	3.8	5.8

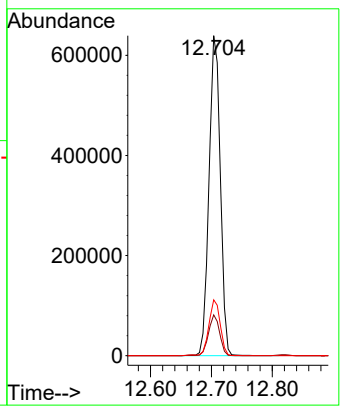




#75
Fluoranthene
Concen: 42.113 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:202 Resp: 82449

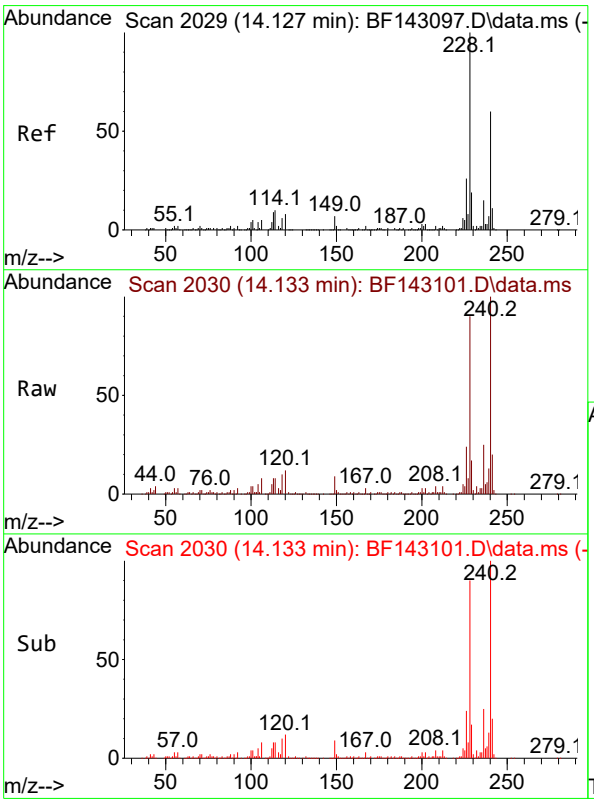
Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.4
203	17.5	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

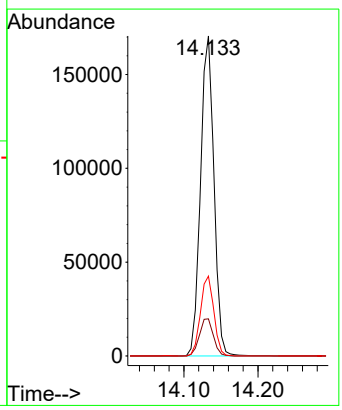
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

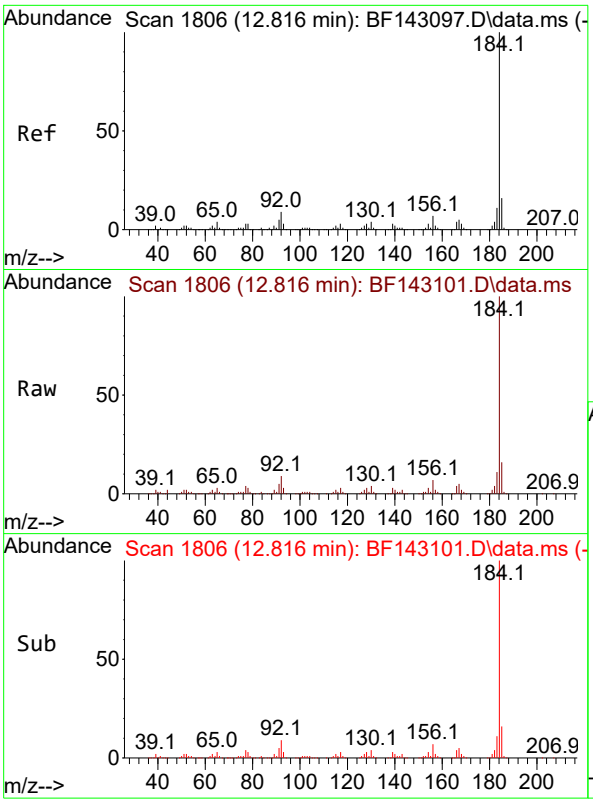


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:240 Resp: 215152

Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.0	15.0
236	24.9	20.0	30.0

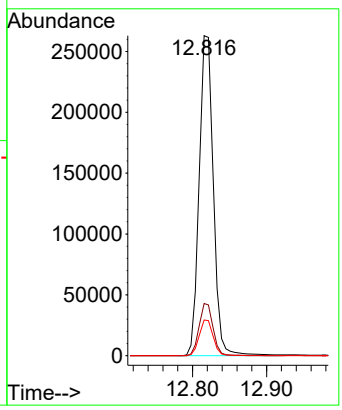




#77
Benzidine
Concen: 47.827 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:184 Resp: 35057

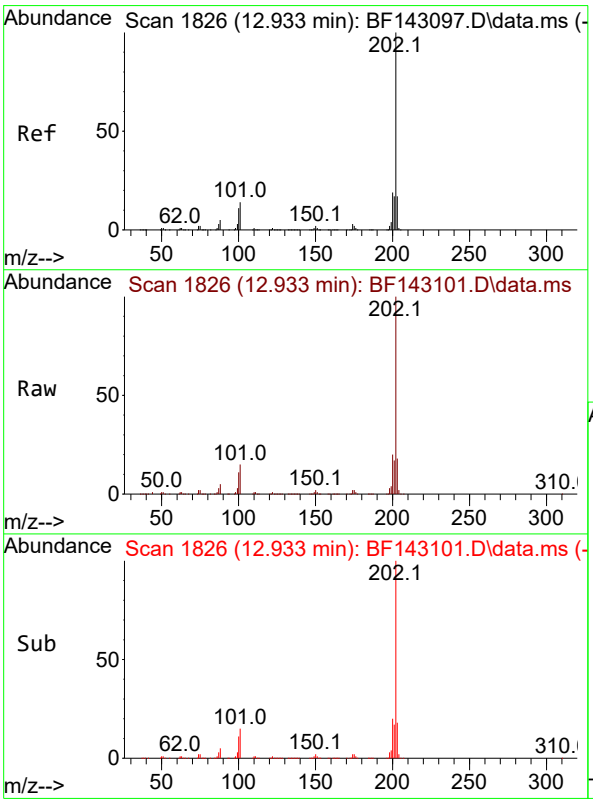
Ion	Ratio	Lower	Upper
184	100		
185	16.3	12.4	18.6
183	11.1	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

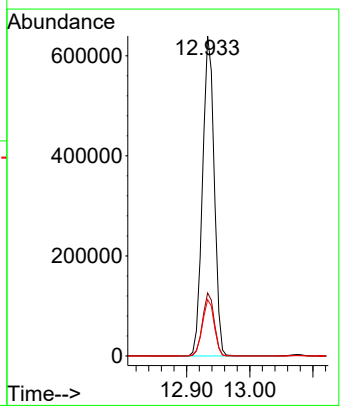
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

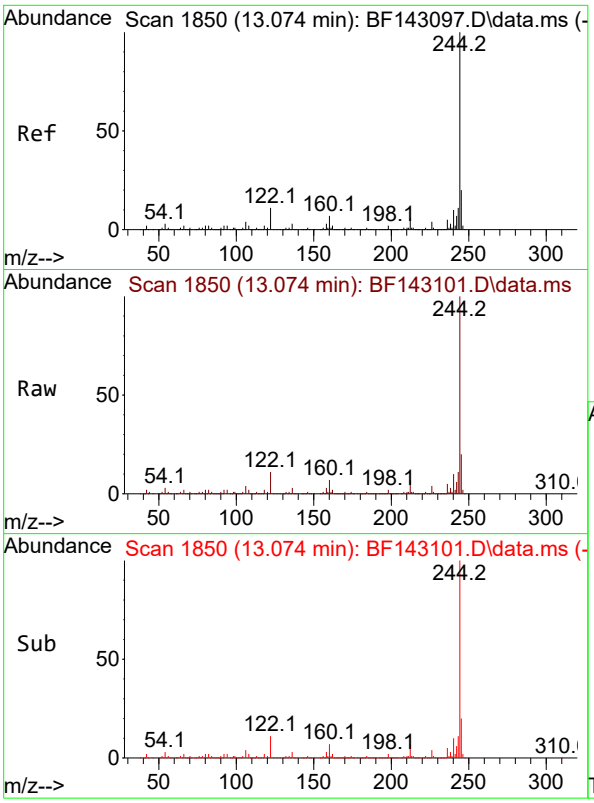


#78
Pyrene
Concen: 41.087 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:202 Resp: 820201

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.5	23.3
203	17.6	14.0	21.0

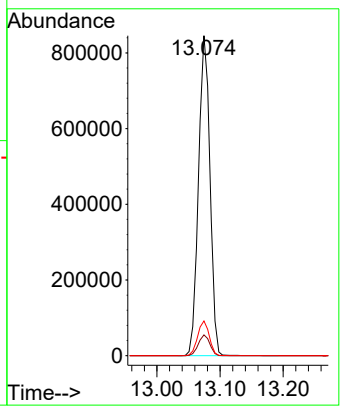




#79
Terphenyl-d14
Concen: 72.317 ng
RT: 13.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:244 Resp: 106437

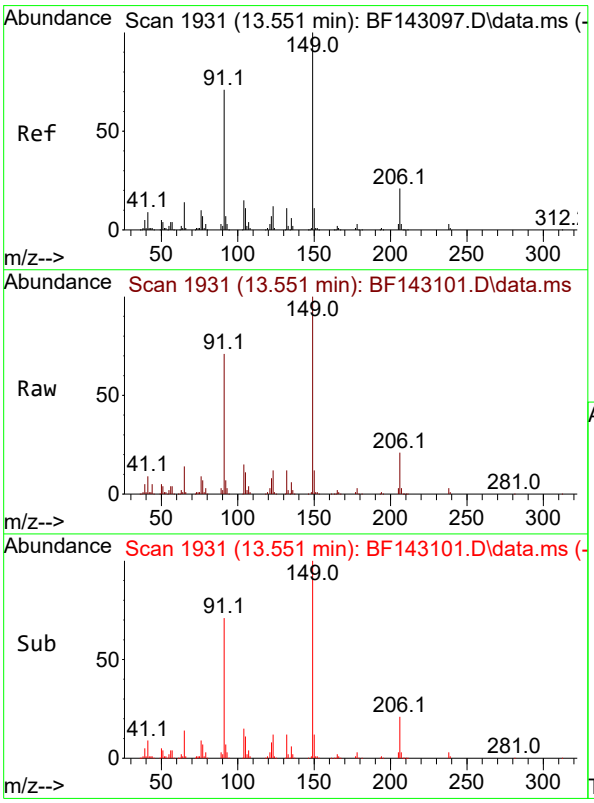
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.9	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

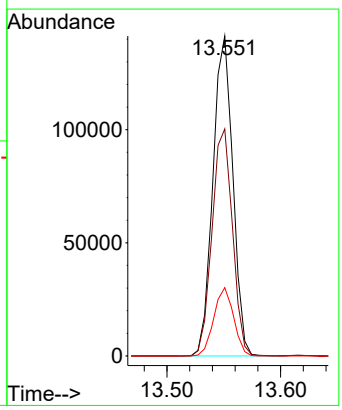
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

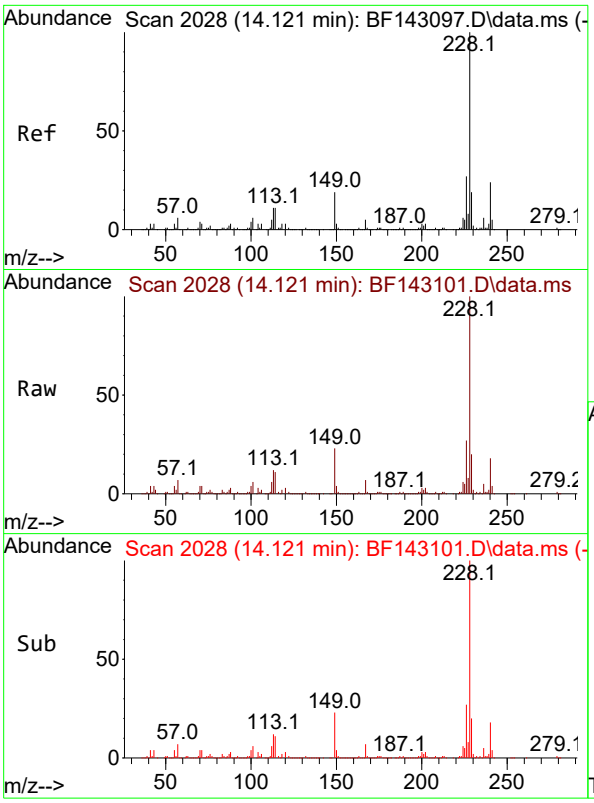


#80
Butylbenzylphthalate
Concen: 43.340 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 172390

Ion	Ratio	Lower	Upper
149	100		
91	71.0	57.0	85.4
206	21.3	17.2	25.8

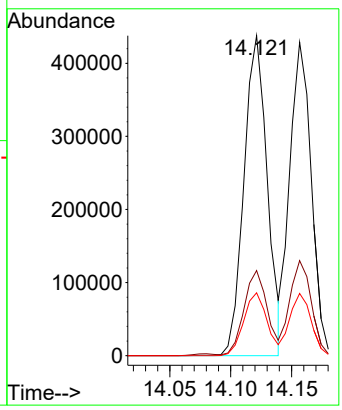




#81
Benzo(a)anthracene
Concen: 40.719 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:228 Resp: 58379

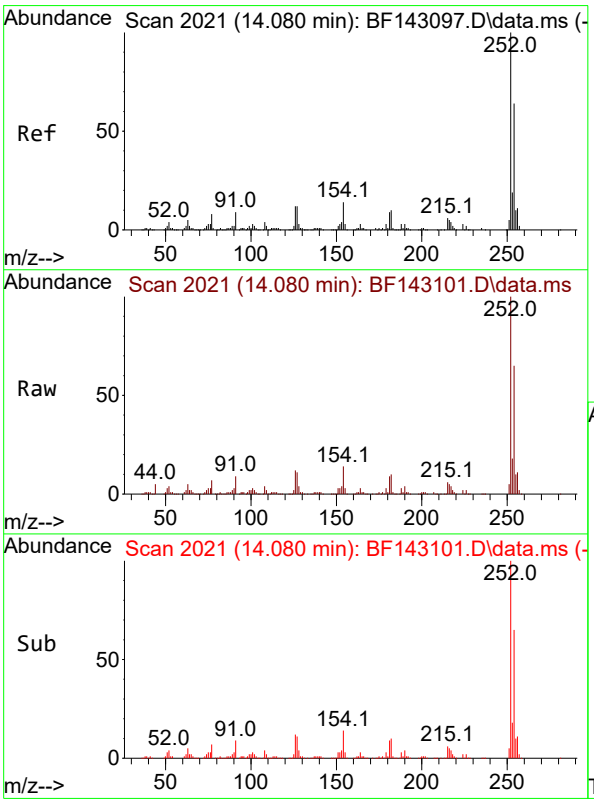
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	19.6	15.5	23.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

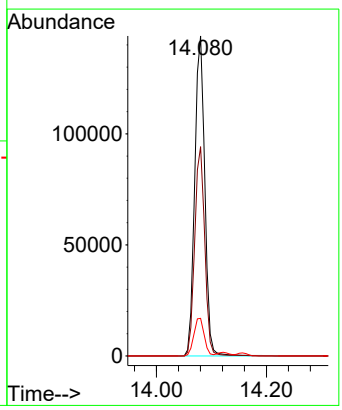
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

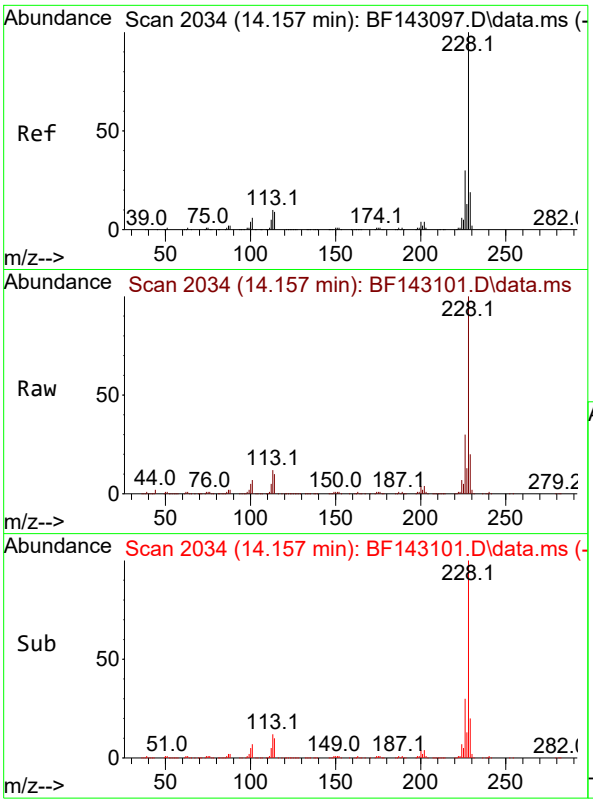


#82
3,3'-Dichlorobenzidine
Concen: 44.044 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 183371

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.5	77.3
126	11.7	9.4	14.0

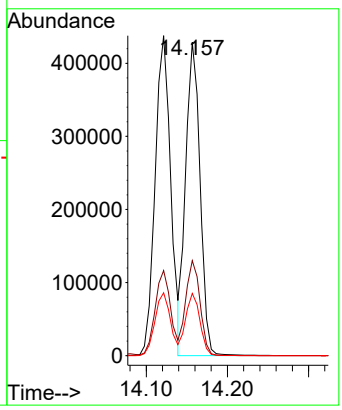




#83
Chrysene
Concen: 40.139 ng
RT: 14.157 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:228 Resp: 530018

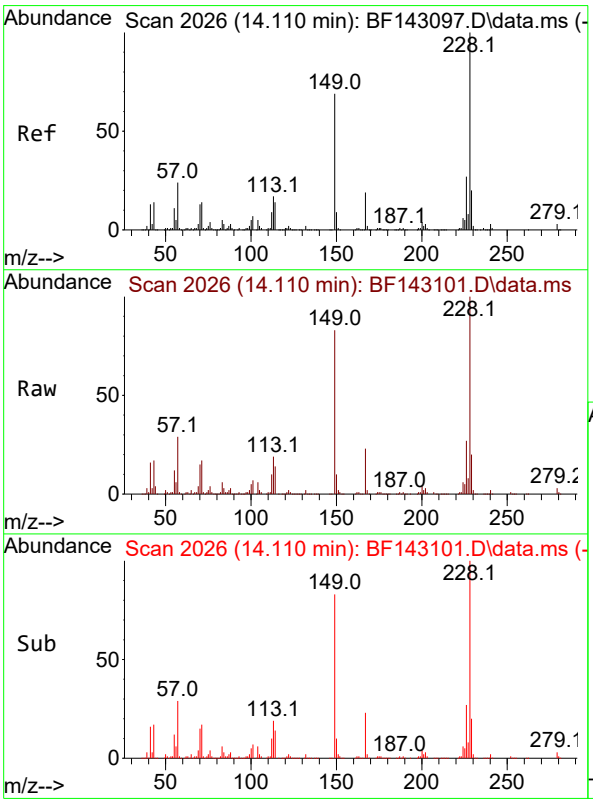
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	19.8	15.3	22.9



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

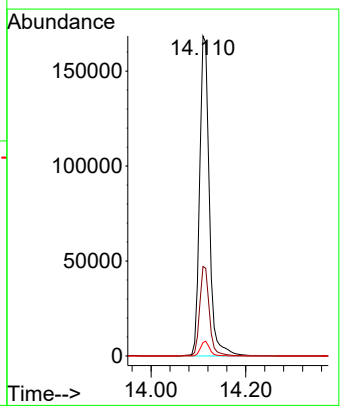
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

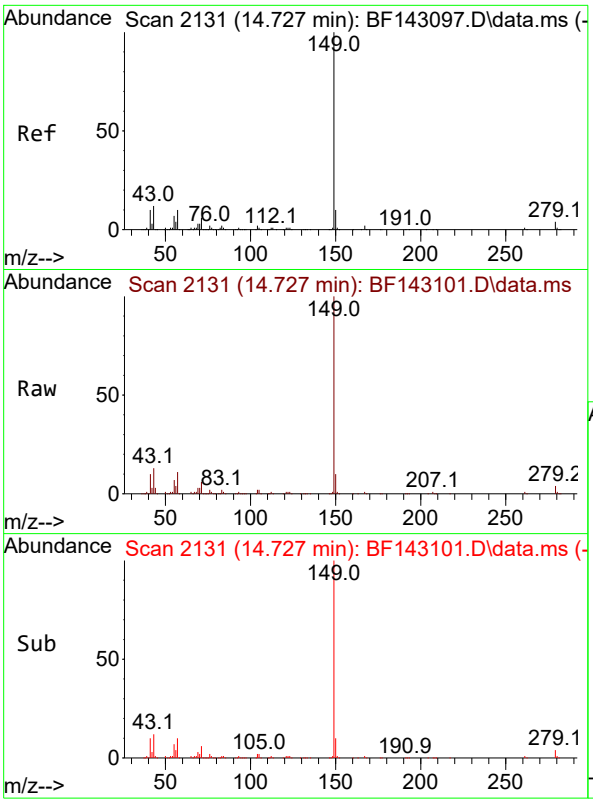


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.166 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 239329

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.9	32.9
279	4.2	3.4	5.0

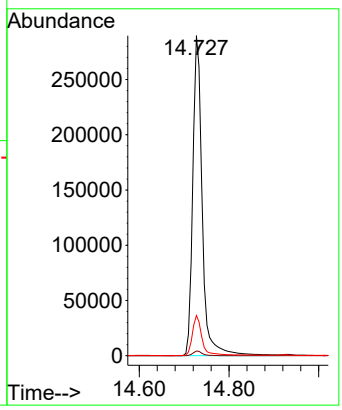




#85
Di-n-octyl phthalate
Concen: 38.648 ng
RT: 14.727 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 42495

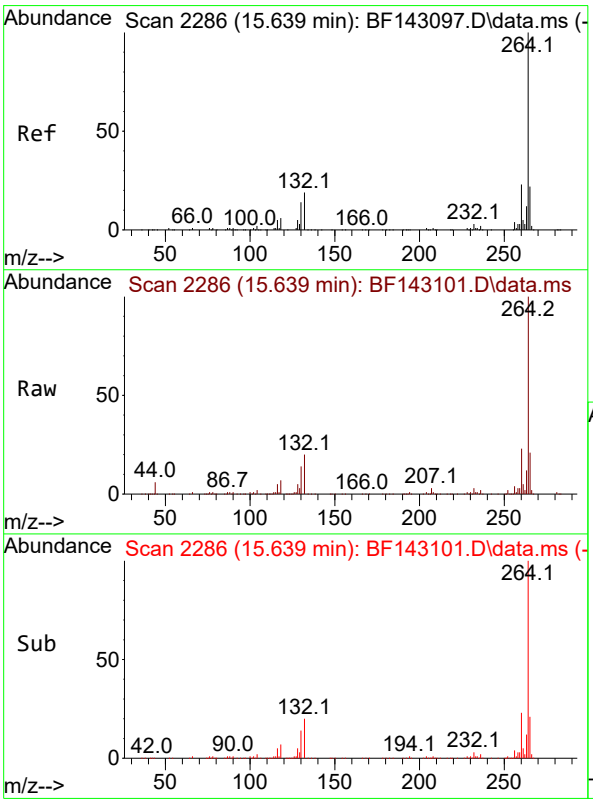
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

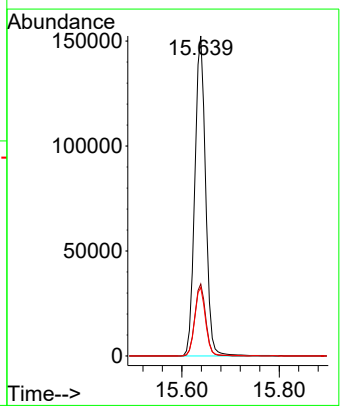
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

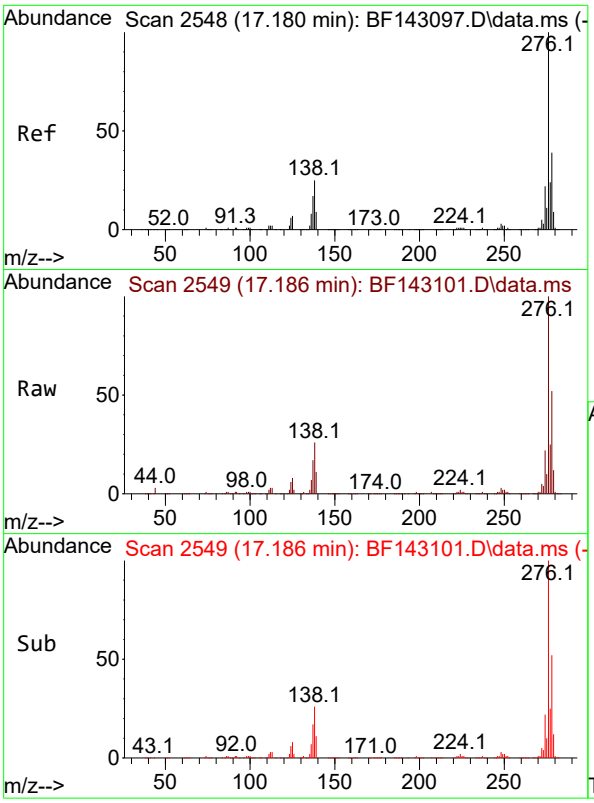


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:264 Resp: 235493

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.3	17.5	26.3

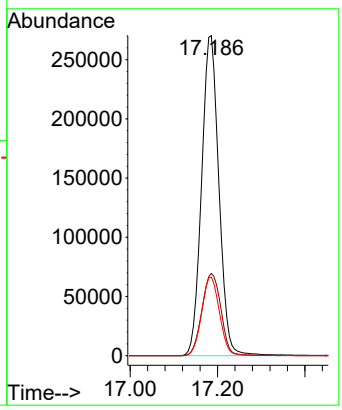




#87
Indeno(1,2,3-cd)pyrene
Concen: 42.503 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:276 Resp: 74444

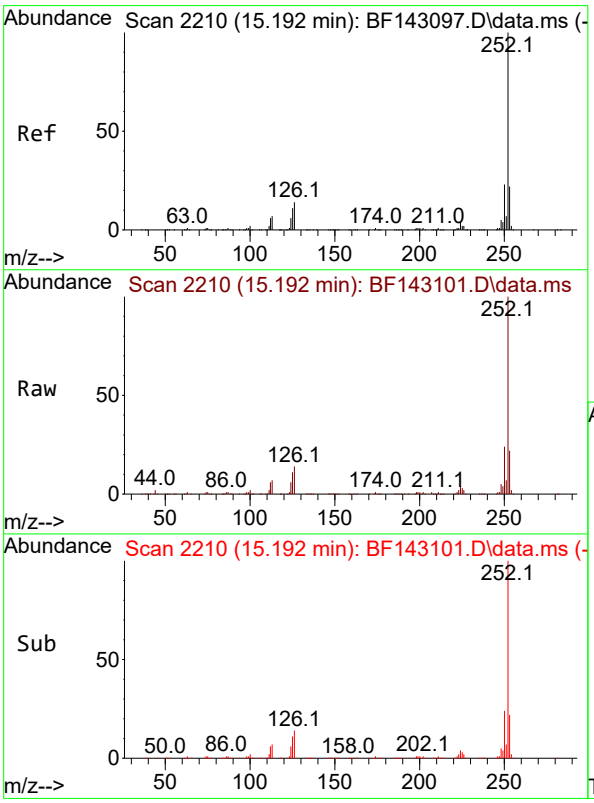
Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.6	34.0
277	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

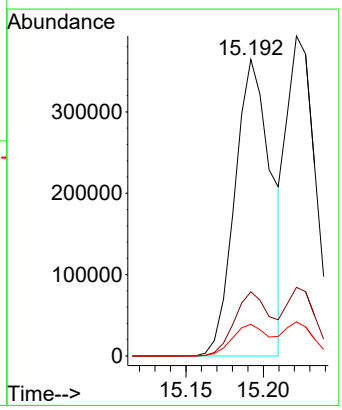
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

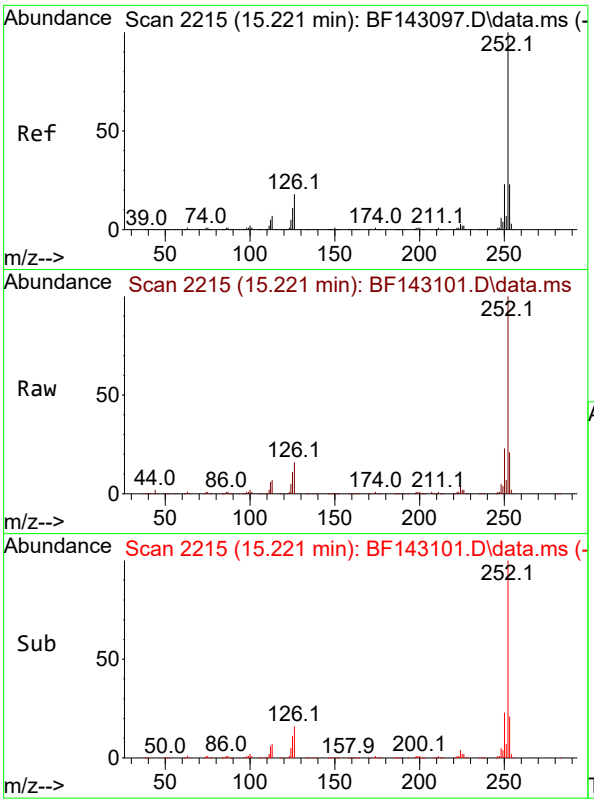


#88
Benzo(b)fluoranthene
Concen: 43.782 ng
RT: 15.192 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 594727

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.7	8.6	13.0

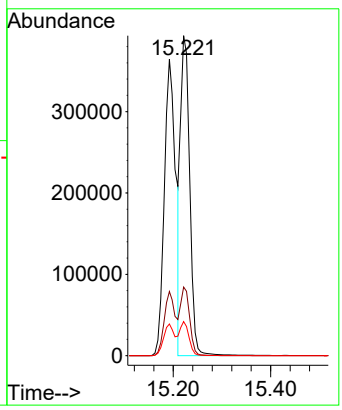




#89
Benzo(k)fluoranthene
Concen: 39.662 ng
RT: 15.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 51397

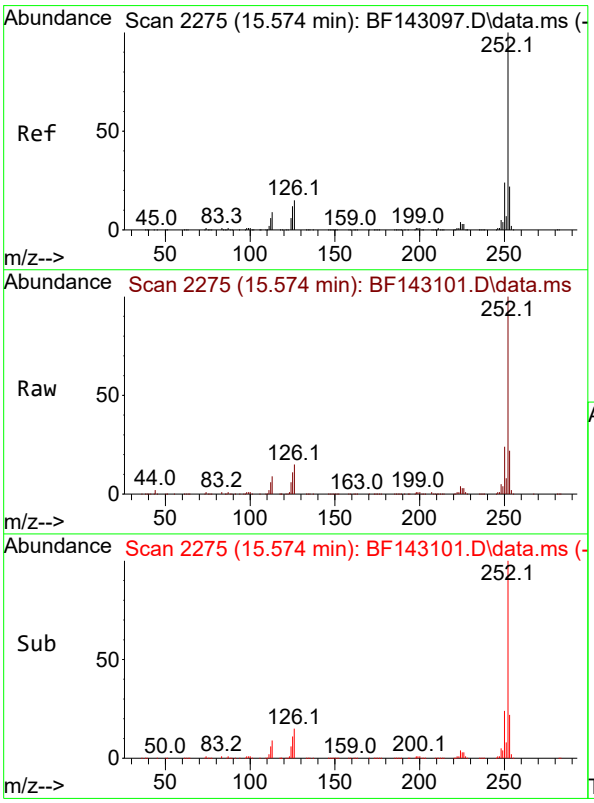
Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	10.7	8.5	12.7



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations APPROVED

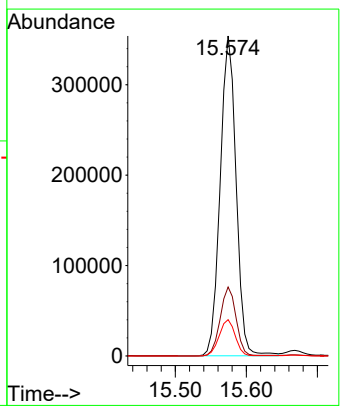
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025

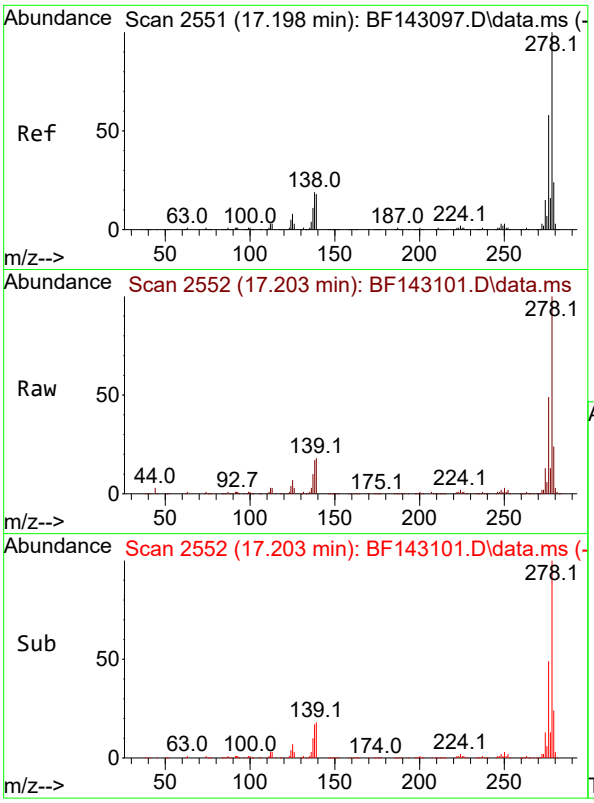


#90
Benzo(a)pyrene
Concen: 42.724 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 548875

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	11.4	9.4	14.0

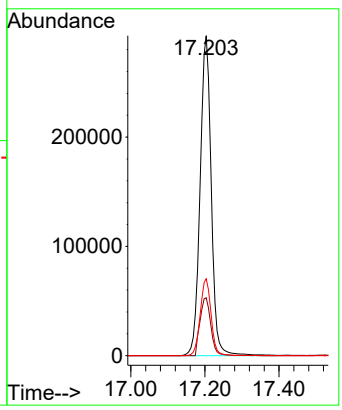




#91
Dibenzo(a,h)anthracene
Concen: 42.735 ng
RT: 17.203 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:278 Resp: 61188

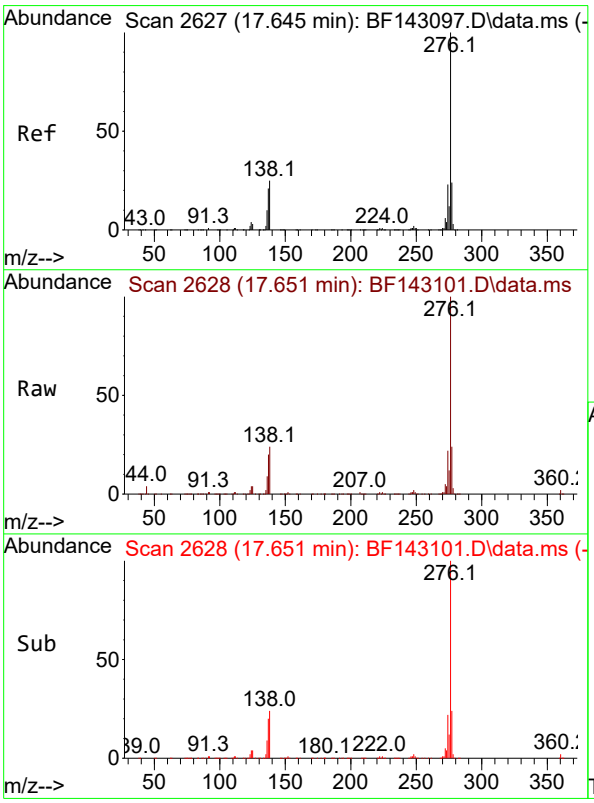
Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.6	22.0
279	24.1	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Manual Integrations
APPROVED

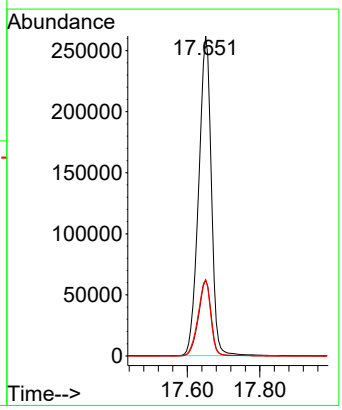
Reviewed By :Rahul Chavli 07/16/2025
Supervised By :Jagrut Upadhyay 07/16/2025



#92
Benzo(g,h,i)perylene
Concen: 43.359 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:276 Resp: 632939

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	23.9	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	106	0.00
2		1,4-Dioxane	0.630	0.602	4.4	101	0.00
3		Pyridine	1.596	1.636	-2.5	108	0.00
4		n-Nitrosodimethylamine	0.827	0.857	-3.6	111	0.00
5	S	2-Fluorophenol	1.266	1.247	1.5	105	0.00
6		Aniline	2.241	2.299	-2.6	110	0.00
7	S	Phenol-d6	1.591	1.563	1.8	105	0.00
8		2-Chlorophenol	1.272	1.348	-6.0	112	0.00
9		Benzaldehyde	1.212	1.125	7.2	82	0.00
10	C	Phenol	1.723	1.795	-4.2	111	0.00
11		bis(2-Chloroethyl)ether	1.334	1.362	-2.1	110	0.00
12		1,3-Dichlorobenzene	1.437	1.462	-1.7	109	0.00
13	C	1,4-Dichlorobenzene	1.446	1.465	-1.3	109	0.00
14		1,2-Dichlorobenzene	1.379	1.405	-1.9	109	0.00
15		Benzyl Alcohol	1.179	1.248	-5.9	113	0.00
16		2,2'-oxybis(1-Chloropropane	2.458	2.475	-0.7	109	0.00
17		2-Methylphenol	1.098	1.140	-3.8	111	0.00
18		Hexachloroethane	0.471	0.509	-8.1	114	0.00
19	P	n-Nitroso-di-n-propylamine	0.975	1.023	-4.9	112	0.00
20		3+4-Methylphenols	1.346	1.415	-5.1	110	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.482	0.486	-0.8	110	0.00
23	S	Nitrobenzene-d5	0.357	0.349	2.2	100	0.00
24		Nitrobenzene	0.344	0.384	-11.6	115	0.00
25		Isophorone	0.689	0.710	-3.0	111	0.00
26	C	2-Nitrophenol	0.114	0.151	-32.5#	134	0.00
27		2,4-Dimethylphenol	0.320	0.336	-5.0	112	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.426	-1.9	111	0.00
29	C	2,4-Dichlorophenol	0.262	0.285	-8.8	114	0.00
30		1,2,4-Trichlorobenzene	0.297	0.306	-3.0	110	0.00
31		Naphthalene	0.993	1.007	-1.4	111	0.00
32		Benzoic acid	0.139	0.170	-22.3	126	0.00
33		4-Chloroaniline	0.399	0.412	-3.3	110	0.00
34	C	Hexachlorobutadiene	0.178	0.183	-2.8	110	0.00
35		Caprolactam	0.082	0.089	-8.5	114	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.309	-6.2	112	0.00
37		2-Methylnaphthalene	0.592	0.602	-1.7	111	0.00
38		1-Methylnaphthalene	0.615	0.629	-2.3	111	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	0.583	0.591	-1.4	111	0.00
41	P	Hexachlorocyclopentadiene	0.323	0.364	-12.7	123	0.00
42	S	2,4,6-Tribromophenol	0.178	0.192	-7.9	111	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.398	-9.9	115	0.00
44		2,4,5-Trichlorophenol	0.380	0.408	-7.4	113	0.00
45	S	2-Fluorobiphenyl	1.505	1.299	13.7	97	0.00
46		1,1'-Biphenyl	1.595	1.610	-0.9	112	0.00
47		2-Chloronaphthalene	1.172	1.178	-0.5	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	0.303	0.374	-23.4	124	0.00
49		Acenaphthylene	1.952	1.988	-1.8	111	0.00
50		Dimethylphthalate	1.258	1.298	-3.2	113	0.00
51		2,6-Dinitrotoluene	0.219	0.266	-21.5	124	0.00
52	C	Acenaphthene	1.152	1.152	0.0	111	0.00
53		3-Nitroaniline	0.272	0.324	-19.1	123	0.00
54	P	2,4-Dinitrophenol	0.073	0.094	-28.8#	149	0.00
55		Dibenzofuran	1.717	1.730	-0.8	111	0.00
56	P	4-Nitrophenol	0.216	0.247	-14.4	120	0.00
57		2,4-Dinitrotoluene	0.265	0.339	-27.9#	125	0.00
58		Fluorene	1.288	1.279	0.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.339	-12.3	118	0.00
60		Diethylphthalate	1.214	1.284	-5.8	114	0.00
61		4-Chlorophenyl-phenylether	0.617	0.631	-2.3	112	0.00
62		4-Nitroaniline	0.236	0.281	-19.1	123	0.00
63		Azobenzene	1.343	1.370	-2.0	113	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.082	-22.4	138	0.00
66	c	n-Nitrosodiphenylamine	0.703	0.706	-0.4	112	0.00
67		4-Bromophenyl-phenylether	0.227	0.238	-4.8	115	0.00
68		Hexachlorobenzene	0.241	0.247	-2.5	113	0.00
69		Atrazine	0.180	0.199	-10.6	119	0.00
70	C	Pentachlorophenol	0.132	0.149	-12.9	122	0.00
71		Phenanthrene	1.079	1.092	-1.2	113	0.00
72		Anthracene	1.085	1.113	-2.6	114	0.00
73		Carbazole	0.972	0.992	-2.1	114	0.00
74		Di-n-butylphthalate	0.893	1.029	-15.2	121	0.00
75	C	Fluoranthene	0.981	1.033	-5.3	116	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	112	0.00
77		Benzidine	0.681	0.815	-19.7	109	0.00
78		Pyrene	1.856	1.906	-2.7	116	0.00
79	S	Terphenyl-d14	1.368	1.237	9.6	103	0.00
80		Butylbenzylphthalate	0.318	0.401	-26.1#	131	0.00
81		Benzo(a)anthracene	1.333	1.357	-1.8	113	0.00
82		3,3'-Dichlorobenzidine	0.387	0.426	-10.1	124	0.00
83		Chrysene	1.227	1.232	-0.4	115	0.00
84		Bis(2-ethylhexyl)phthalate	0.480	0.556	-15.8	121	0.00
85	c	Di-n-octyl phthalate	0.927	0.988	-6.6	120	0.00
86	I	Perylene-d12	1.000	1.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	1.488	1.581	-6.2	108	0.00
88		Benzo(b)fluoranthene	1.154	1.263	-9.4	121	0.00
89		Benzo(k)fluoranthene	1.101	1.091	0.9	99	0.00
90	C	Benzo(a)pyrene	1.091	1.165	-6.8	108	0.00
91		Dibenzo(a,h)anthracene	1.216	1.299	-6.8	109	0.00
92		Benzo(g,h,i)perylene	1.240	1.344	-8.4	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	106	0.00
2		1,4-Dioxane	40.000	38.242	4.4	101	0.00
3		Pyridine	40.000	41.009	-2.5	108	0.00
4		n-Nitrosodimethylamine	40.000	41.468	-3.7	111	0.00
5	S	2-Fluorophenol	80.000	78.799	1.5	105	0.00
6		Aniline	40.000	41.038	-2.6	110	0.00
7	S	Phenol-d6	80.000	78.598	1.8	105	0.00
8		2-Chlorophenol	40.000	42.397	-6.0	112	0.00
9		Benzaldehyde	40.000	37.115	7.2	82	0.00
10	C	Phenol	40.000	41.681	-4.2	111	0.00
11		bis(2-Chloroethyl)ether	40.000	40.848	-2.1	110	0.00
12		1,3-Dichlorobenzene	40.000	40.694	-1.7	109	0.00
13	C	1,4-Dichlorobenzene	40.000	40.539	-1.3	109	0.00
14		1,2-Dichlorobenzene	40.000	40.782	-2.0	109	0.00
15		Benzyl Alcohol	40.000	42.336	-5.8	113	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.273	-0.7	109	0.00
17		2-Methylphenol	40.000	41.532	-3.8	111	0.00
18		Hexachloroethane	40.000	43.239	-8.1	114	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	41.982	-5.0	112	0.00
20		3+4-Methylphenols	40.000	42.057	-5.1	110	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	40.351	-0.9	110	0.00
23	S	Nitrobenzene-d5	80.000	78.289	2.1	100	0.00
24		Nitrobenzene	40.000	44.647	-11.6	115	0.00
25		Isophorone	40.000	41.188	-3.0	111	0.00
26	C	2-Nitrophenol	40.000	44.317	-10.8	134	0.00
27		2,4-Dimethylphenol	40.000	42.064	-5.2	112	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.789	-2.0	111	0.00
29	C	2,4-Dichlorophenol	40.000	43.580	-8.9	114	0.00
30		1,2,4-Trichlorobenzene	40.000	41.194	-3.0	110	0.00
31		Naphthalene	40.000	40.543	-1.4	111	0.00
32		Benzoic acid	40.000	43.449	-8.6	126	0.00
33		4-Chloroaniline	40.000	41.236	-3.1	110	0.00
34	C	Hexachlorobutadiene	40.000	41.324	-3.3	110	0.00
35		Caprolactam	40.000	43.536	-8.8	114	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.387	-6.0	112	0.00
37		2-Methylnaphthalene	40.000	40.654	-1.6	111	0.00
38		1-Methylnaphthalene	40.000	40.922	-2.3	111	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	109	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.531	-1.3	111	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.086	-12.7	123	0.00
42	S	2,4,6-Tribromophenol	80.000	85.971	-7.5	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	43.955	-9.9	115	0.00
44		2,4,5-Trichlorophenol	40.000	43.001	-7.5	113	0.00
45	S	2-Fluorobiphenyl	80.000	69.090	13.6	97	0.00
46		1,1'-Biphenyl	40.000	40.387	-1.0	112	0.00
47		2-Chloronaphthalene	40.000	40.207	-0.5	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	43.148	-7.9	124	0.00
49		Acenaphthylene	40.000	40.736	-1.8	111	0.00
50		Dimethylphthalate	40.000	41.279	-3.2	113	0.00
51		2,6-Dinitrotoluene	40.000	43.156	-7.9	124	0.00
52	C	Acenaphthene	40.000	39.982	0.0	111	0.00
53		3-Nitroaniline	40.000	47.707	-19.3	123	0.00
54	P	2,4-Dinitrophenol	40.000	47.113	-17.8	149	0.00
55		Dibenzofuran	40.000	40.300	-0.7	111	0.00
56	P	4-Nitrophenol	40.000	45.720	-14.3	120	0.00
57		2,4-Dinitrotoluene	40.000	43.964	-9.9	125	0.00
58		Fluorene	40.000	39.732	0.7	112	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	44.902	-12.3	118	0.00
60		Diethylphthalate	40.000	42.297	-5.7	114	0.00
61		4-Chlorophenyl-phenylether	40.000	40.882	-2.2	112	0.00
62		4-Nitroaniline	40.000	47.486	-18.7	123	0.00
63		Azobenzene	40.000	40.833	-2.1	113	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.754	-11.9	138	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.179	-0.4	112	0.00
67		4-Bromophenyl-phenylether	40.000	41.782	-4.5	115	0.00
68		Hexachlorobenzene	40.000	40.915	-2.3	113	0.00
69		Atrazine	40.000	44.273	-10.7	119	0.00
70	C	Pentachlorophenol	40.000	44.978	-12.4	122	0.00
71		Phenanthrene	40.000	40.469	-1.2	113	0.00
72		Anthracene	40.000	40.999	-2.5	114	0.00
73		Carbazole	40.000	40.823	-2.1	114	0.00
74		Di-n-butylphthalate	40.000	46.099	-15.2	121	0.00
75	C	Fluoranthene	40.000	42.113	-5.3	116	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	112	0.00
77		Benzidine	40.000	47.827	-19.6	109	0.00
78		Pyrene	40.000	41.087	-2.7	116	0.00
79	S	Terphenyl-d14	80.000	72.317	9.6	103	0.00
80		Butylbenzylphthalate	40.000	43.340	-8.4	131	0.00
81		Benzo(a)anthracene	40.000	40.719	-1.8	113	0.00
82		3,3'-Dichlorobenzidine	40.000	44.044	-10.1	124	0.00
83		Chrysene	40.000	40.139	-0.3	115	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	40.166	-0.4	121	0.00
85	c	Di-n-octyl phthalate	40.000	38.648	3.4	120	0.00
86	I	Perylene-d12	20.000	20.000	0.0	104	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.503	-6.3	108	0.00
88		Benzo(b)fluoranthene	40.000	43.782	-9.5	121	0.00
89		Benzo(k)fluoranthene	40.000	39.662	0.8	99	0.00
90	C	Benzo(a)pyrene	40.000	42.724	-6.8	108	0.00
91		Dibenzo(a,h)anthracene	40.000	42.735	-6.8	109	0.00
92		Benzo(g,h,i)perylene	40.000	43.359	-8.4	111	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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 BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF143140.D 5 =BF143141.D 10 =BF143142.D 20 =BF143143.D 40 =BF143144.D 50 =BF143145.D 60 =BF143146.D 80 =BF1431
47.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.622	0.582	0.614	0.600	0.625	0.584	0.558	0.598	4.09
3)		Pyridine		1.631	1.557	1.551	1.530	1.618	1.525	1.452	1.552	3.88
4)		n-Nitrosodimet...			0.776	0.799	0.810	0.851	0.804	0.768	0.801	3.66
5)	S	2-Fluorophenol		1.385	1.313	1.319	1.231	1.284	1.194	1.121	1.264	7.00
6)		Aniline		2.334	2.259	2.273	2.204	2.292	2.139	2.018	2.217	4.86
7)	S	Phenol-d6		1.733	1.640	1.657	1.554	1.632	1.506	1.413	1.591	6.72
8)		2-Chlorophenol		1.391	1.343	1.371	1.310	1.369	1.284	1.205	1.325	4.87
9)		Benzaldehyde			1.167	1.163	1.443	1.411	1.122	0.851	1.193	18.13
10)	C	Phenol		1.882	1.767	1.776	1.711	1.788	1.675	1.531	1.733	6.37
11)		bis(2-Chloroet...		1.419	1.343	1.379	1.303	1.361	1.281	1.203	1.327	5.40
12)		1,3-Dichlorobe...		1.572	1.513	1.494	1.401	1.466	1.362	1.266	1.439	7.18
13)	C	1,4-Dichlorobe...		1.602	1.518	1.502	1.418	1.473	1.357	1.275	1.449	7.52
14)		1,2-Dichlorobe...		1.509	1.413	1.445	1.343	1.413	1.303	1.223	1.378	6.96
15)		Benzyl Alcohol			1.214	1.246	1.215	1.278	1.193	1.141	1.215	3.85
16)		2,2'-oxybis(1-...		2.670	2.553	2.545	2.421	2.517	2.343	2.182	2.461	6.55
17)		2-Methylphenol		1.178	1.111	1.141	1.097	1.160	1.084	1.026	1.114	4.61
18)		Hexachloroethane		0.522	0.498	0.522	0.495	0.525	0.491	0.460	0.502	4.68
19)	P	n-Nitroso-di-n...	1.101	1.111	1.051	1.028	0.986	1.023	0.953	0.912	1.021	6.76
20)		3+4-Methylphenols			1.467	1.469	1.341	1.402	1.268	1.162	1.351	8.95
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.527	0.504	0.501	0.455	0.476	0.442	0.409	0.474	8.65
23)	S	Nitrobenzene-d5		0.407	0.394	0.417	0.399	0.417	0.397	0.378	0.401	3.47
24)		Nitrobenzene		0.380	0.370	0.388	0.375	0.388	0.373	0.345	0.374	3.88
25)		Isophorone		0.748	0.707	0.711	0.692	0.734	0.699	0.667	0.708	3.75
26)	C	2-Nitrophenol		0.133	0.141	0.164	0.172	0.182	0.177	0.168	0.162	11.25
27)		2,4-Dimethylph...		0.356	0.340	0.341	0.324	0.338	0.319	0.298	0.331	5.70
28)		bis(2-Chloroet...		0.463	0.437	0.442	0.413	0.430	0.405	0.383	0.425	6.28
29)	C	2,4-Dichloroph...		0.292	0.282	0.287	0.276	0.289	0.271	0.256	0.279	4.44
30)		1,2,4-Trichlor...		0.329	0.307	0.318	0.294	0.303	0.290	0.270	0.302	6.43
31)		Naphthalene		1.118	1.038	1.032	0.954	0.986	0.916	0.851	0.985	8.91
32)		Benzoic acid			0.104	0.149	0.180	0.197	0.187	0.194	0.169	21.36
33)		4-Chloroaniline		0.437	0.417	0.419	0.390	0.408	0.383	0.361	0.402	6.33
34)	C	Hexachlorobuta...		0.193	0.190	0.191	0.181	0.188	0.179	0.169	0.184	4.59
35)		Caprolactam			0.078	0.084	0.087	0.091	0.085	0.082	0.084	5.35
36)	C	4-Chloro-3-met...		0.319	0.310	0.307	0.301	0.311	0.294	0.282	0.303	4.04
37)		2-Methylnaphth...		0.667	0.634	0.628	0.580	0.603	0.561	0.522	0.599	8.17
38)		1-Methylnaphth...		0.682	0.652	0.650	0.599	0.621	0.579	0.537	0.617	8.05

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.638	0.598	0.601	0.550	0.582	0.558	0.515	0.577	6.93
41)	P	Hexachlorocycl...		0.337	0.373	0.373	0.404	0.393	0.374	0.376	6.14
42)	S	2,4,6-Tribromo...	0.200	0.202	0.212	0.210	0.218	0.206	0.198	0.207	3.55
43)	C	2,4,6-Trichlor...	0.391	0.406	0.412	0.384	0.429	0.401	0.374	0.400	4.63
44)		2,4,5-Trichlor...	0.404	0.387	0.411	0.405	0.411	0.395	0.384	0.400	2.76
45)	S	2-Fluorobiphenyl	1.761	1.644	1.547	1.358	1.414	1.323	1.190	1.462	13.58
46)		1,1'-Biphenyl	1.748	1.667	1.640	1.489	1.553	1.472	1.353	1.560	8.62
47)		2-Chloronaphth...	1.268	1.223	1.192	1.103	1.166	1.104	1.026	1.155	7.14
48)		2-Nitroaniline	0.305	0.333	0.372	0.377	0.396	0.386	0.366	0.362	8.85
49)		Acenaphthylene	2.134	2.052	2.011	1.860	1.958	1.834	1.694	1.935	7.71
50)		Dimethylphthalate	1.422	1.340	1.340	1.279	1.325	1.251	1.169	1.304	6.16
51)		2,6-Dinitrotol...	0.225	0.250	0.272	0.278	0.289	0.277	0.266	0.265	8.14
52)	C	Acenaphthene	1.278	1.194	1.184	1.096	1.155	1.083	1.016	1.144	7.53
53)		3-Nitroaniline	0.285	0.300	0.315	0.317	0.334	0.318	0.303	0.310	5.13
54)	P	2,4-Dinitrophenol		0.051	0.081	0.104	0.116	0.118	0.121	0.098	28.02
55)		Dibenzofuran	1.929	1.807	1.766	1.633	1.698	1.587	1.465	1.698	9.02
56)	P	4-Nitrophenol		0.200	0.228	0.246	0.250	0.237	0.229	0.232	7.70
57)		2,4-Dinitrotol...	0.269	0.296	0.342	0.354	0.372	0.354	0.341	0.333	11.03
58)		Fluorene	1.480	1.402	1.322	1.212	1.257	1.161	1.086	1.274	10.79
59)		2,3,4,6-Tetrac...	0.321	0.331	0.345	0.333	0.351	0.329	0.309	0.331	4.30
60)		Diethylphthalate	1.377	1.322	1.335	1.269	1.329	1.231	1.158	1.289	5.81
61)		4-Chlorophenyl...	0.710	0.670	0.657	0.612	0.633	0.601	0.558	0.635	7.86
62)		4-Nitroaniline	0.236	0.255	0.266	0.280	0.289	0.270	0.265	0.266	6.44
63)		Azobenzene	1.452	1.401	1.389	1.320	1.364	1.278	1.196	1.343	6.38
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.054	0.087	0.097	0.110	0.109	0.109	0.094	22.88
66)	c	n-Nitrosodiphe...	0.761	0.728	0.721	0.674	0.726	0.685	0.634	0.704	6.03
67)		4-Bromophenyl-...	0.252	0.238	0.241	0.228	0.247	0.239	0.223	0.238	4.26
68)		Hexachlorobenzene	0.269	0.248	0.252	0.239	0.258	0.245	0.233	0.249	4.80
69)		Atrazine	0.184	0.187	0.198	0.196	0.208	0.197	0.189	0.194	4.32
70)	C	Pentachlorophenol		0.119	0.146	0.148	0.160	0.155	0.150	0.147	9.70
71)		Phenanthrene	1.191	1.100	1.117	1.020	1.069	1.002	0.934	1.062	7.98
72)		Anthracene	1.184	1.136	1.134	1.038	1.095	1.038	0.956	1.083	7.13
73)		Carbazole	1.042	0.969	0.982	0.929	0.963	0.899	0.836	0.946	6.93
74)		Di-n-butylphth...	1.076	1.054	1.129	1.074	1.119	1.048	0.990	1.070	4.36
75)	C	Fluoranthene	1.085	0.987	1.018	0.953	0.979	0.928	0.873	0.975	6.91
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.758	0.844	0.953	0.697	0.601		0.771	17.53
78)		Pyrene	1.909	1.783	1.783	1.715	1.740	1.523	1.494	1.707	8.72
79)	S	Terphenyl-d14	1.567	1.456	1.419	1.311	1.342	1.191	1.122	1.344	11.43
80)		Butylbenzylpht...	0.438	0.472	0.536	0.544	0.582	0.556	0.532	0.523	9.61
81)		Benzo(a)anthra...	1.374	1.367	1.381	1.282	1.422	1.313	1.235	1.339	4.86
82)		3,3'-Dichlorob...		0.437	0.495	0.429	0.476	0.440	0.401	0.446	7.58
83)		Chrysene	1.282	1.174	1.247	1.206	1.218	1.173	1.127	1.204	4.29
84)		Bis(2-ethylhex...	0.691	0.755	0.824	0.789	0.862	0.826	0.789	0.791	7.03
85)	c	Di-n-octyl pht...		1.274	1.428	1.384	1.550	1.508	1.461	1.434	6.83

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF071725.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.424	1.336	1.430	1.413	1.505	1.411	1.352	1.410	3.92
88)		Benzo(b)fluora...	1.231	1.136	1.287	1.147	1.352	1.188	1.212	1.222	6.30
89)		Benzo(k)fluora...	1.168	1.152	1.093	1.134	1.069	1.080	0.937	1.090	7.10
90)	C	Benzo(a)pyrene	1.129	1.102	1.147	1.121	1.192	1.121	1.070	1.126	3.35
91)		Dibenzo(a,h)an...	1.159	1.103	1.179	1.147	1.221	1.140	1.087	1.148	3.92
92)		Benzo(g,h,i)pe...	1.100	1.047	1.140	1.109	1.196	1.113	1.067	1.110	4.37

(#) = Out of Range

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143140.D
Acq On : 17 Jul 2025 11:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 17 15:00:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

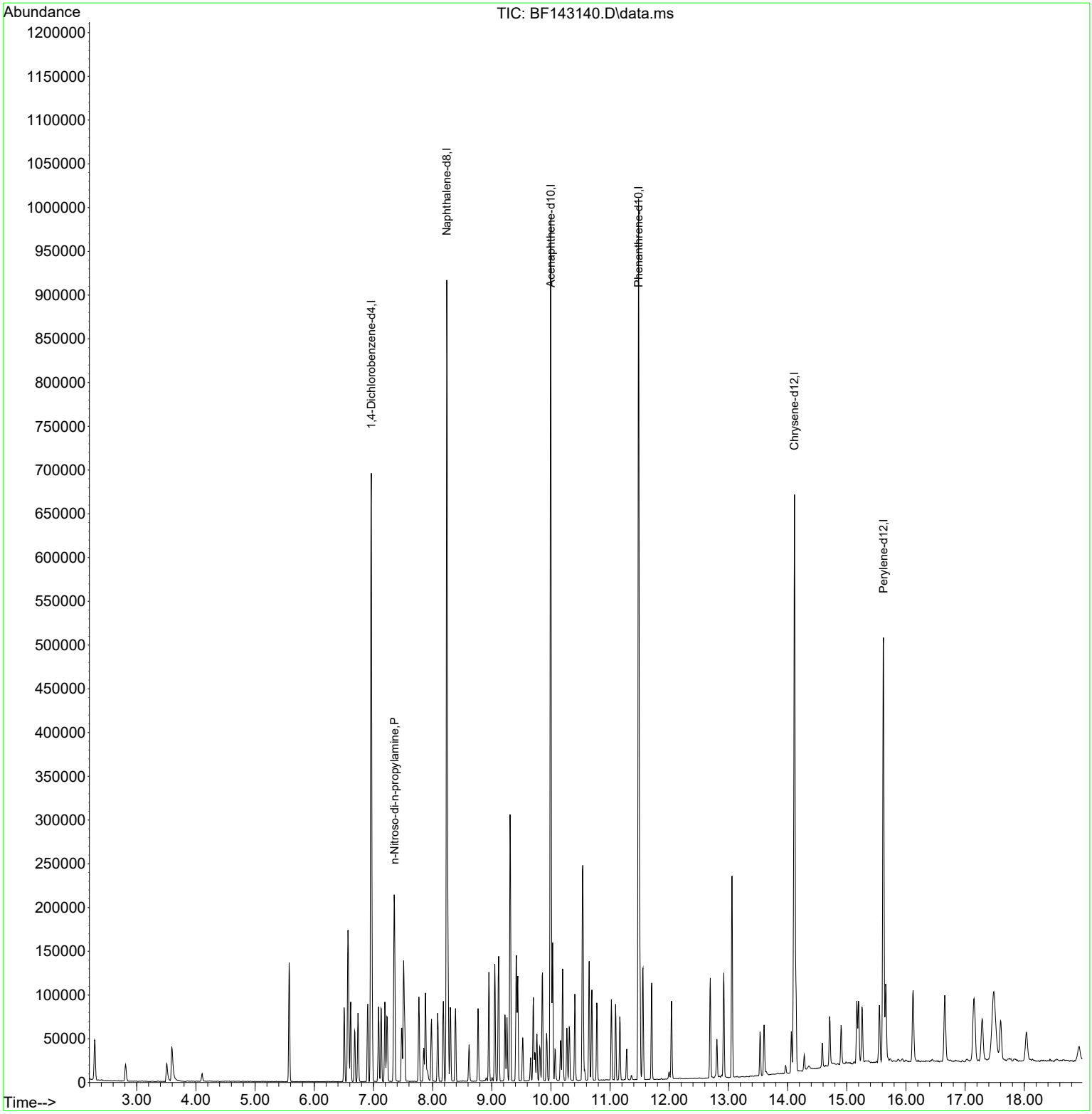
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	139766	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	547280	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	293149	20.000	ng	0.00
64) Phenanthrene-d10	11.481	188	492765	20.000	ng	0.00
76) Chrysene-d12	14.116	240	283469	20.000	ng	0.00
86) Perylene-d12	15.621	264	284847	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...	7.357	70	19227	2.696	ng	96

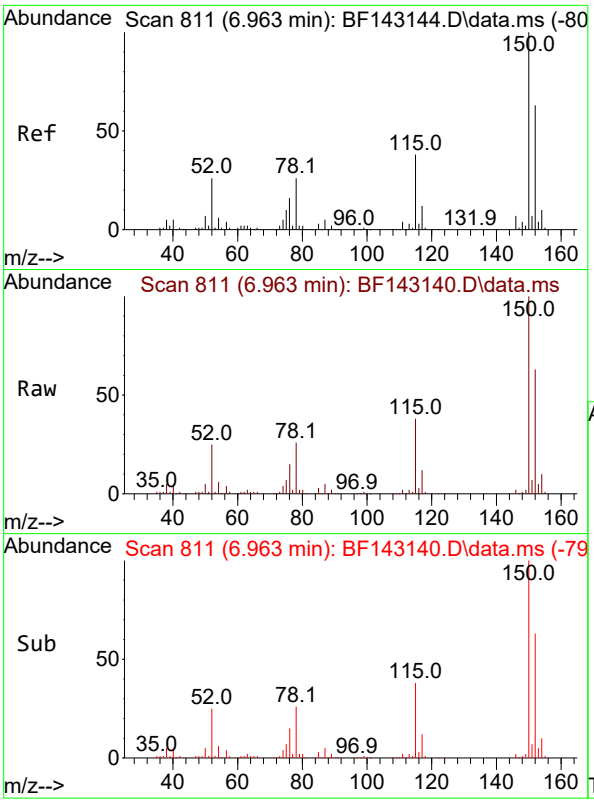
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143140.D
Acq On : 17 Jul 2025 11:04
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jul 17 15:00:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



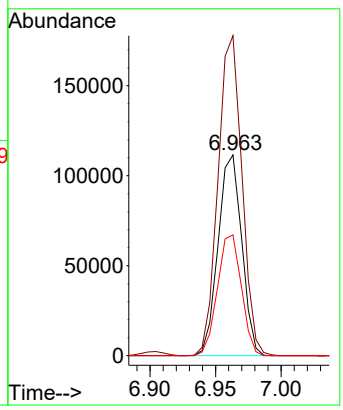


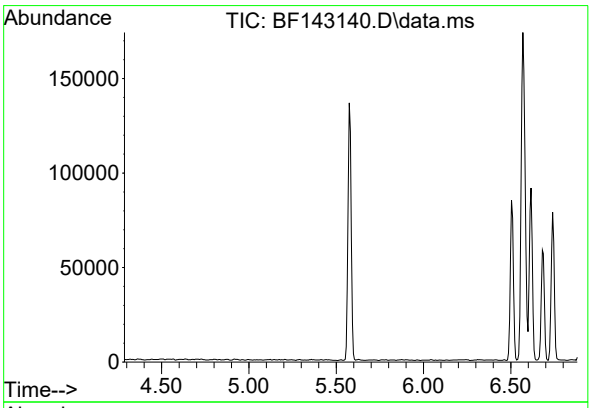
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 139766

Ion	Ratio	Lower	Upper
152	100		
150	159.4	128.2	192.4
115	60.2	47.9	71.9



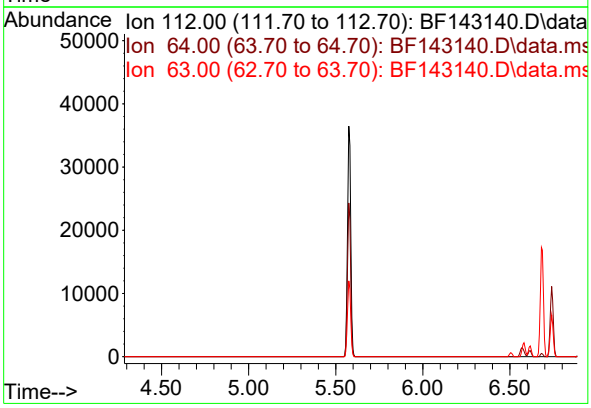


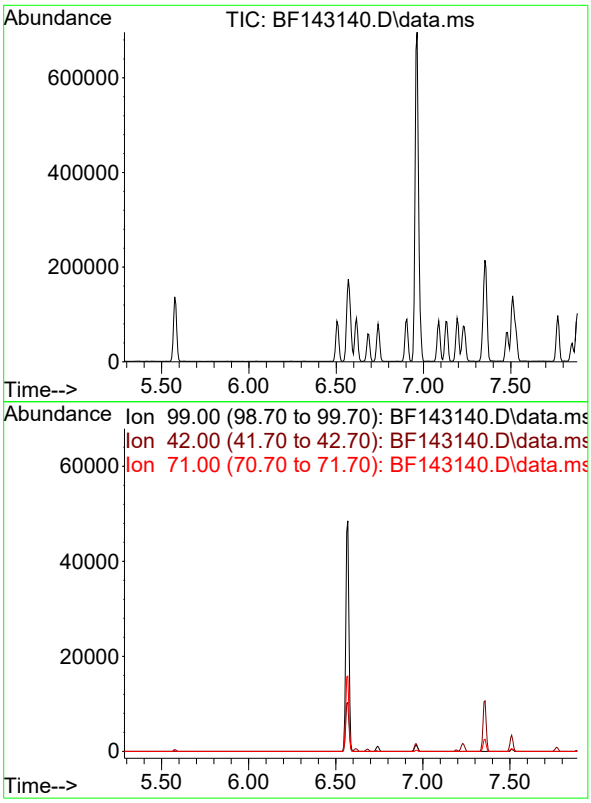
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	66.4
63	33.3





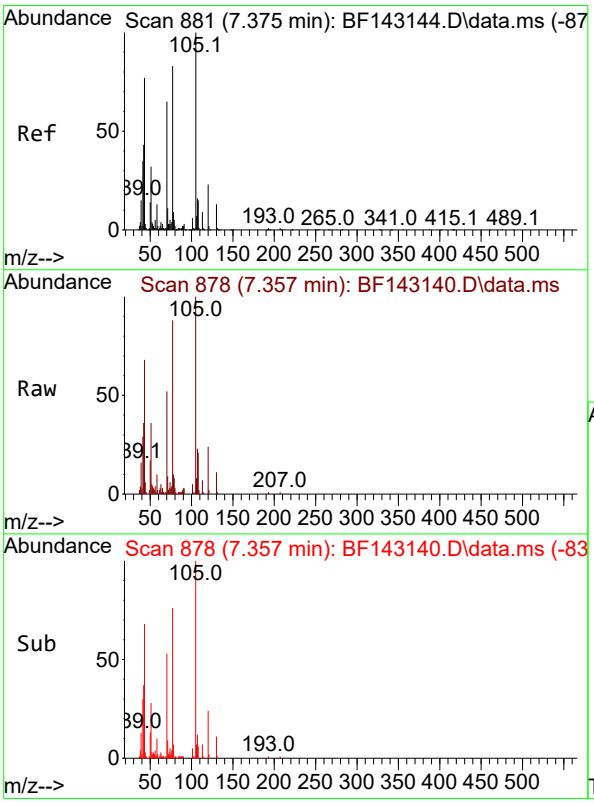
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 99

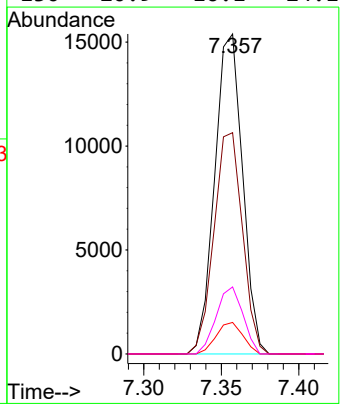
Sig	Exp Ratio
99	100
42	21.3
71	34.6

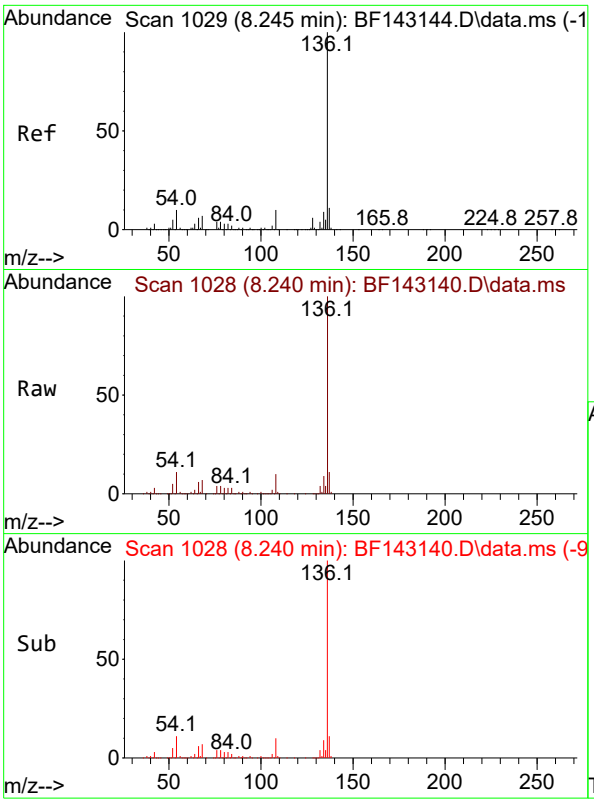


#19
n-Nitroso-di-n-propylamine
Concen: 2.696 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.017 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 70 Resp: 19227

Ion	Ratio	Lower	Upper
70	100		
42	69.2	52.5	78.7
101	9.9	7.6	11.4
130	20.9	16.1	24.1



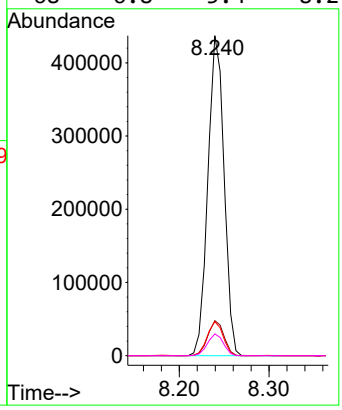


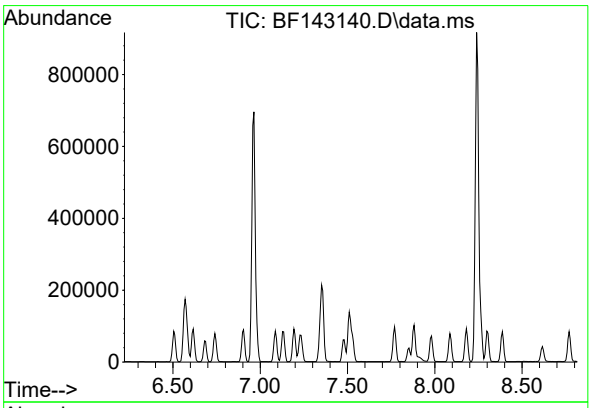
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 547280

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	6.8	5.4	8.2



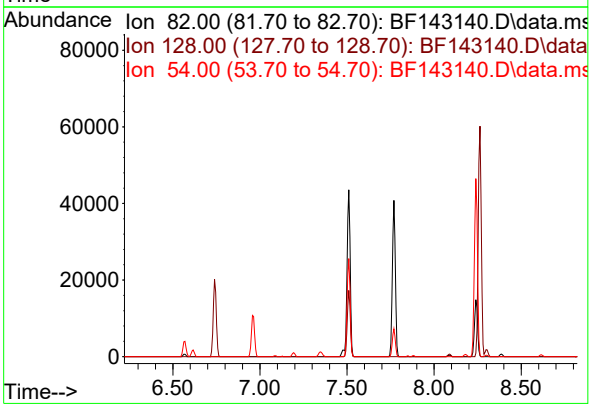


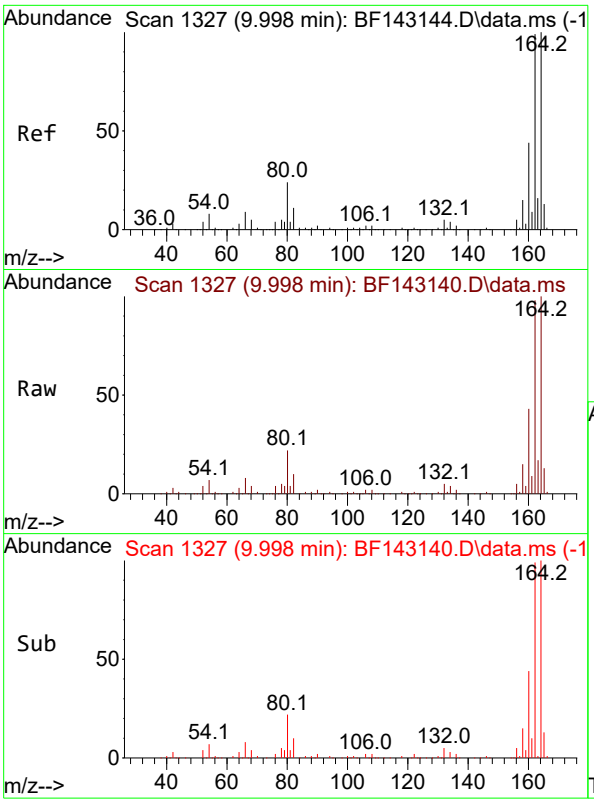
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.52 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.0
54	58.9



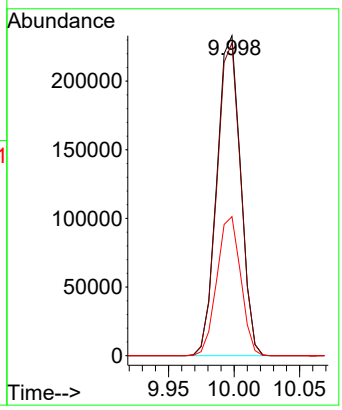


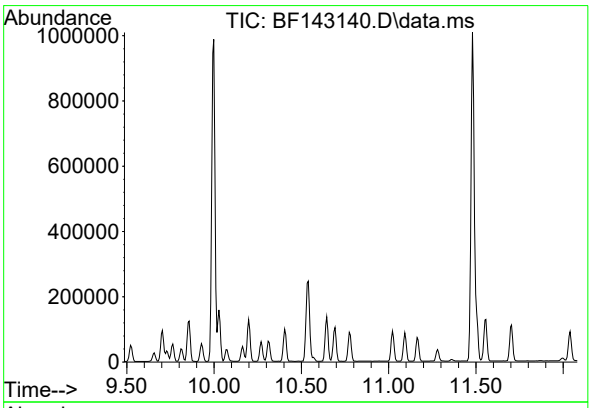
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 293149

Ion	Ratio	Lower	Upper
164	100		
162	97.7	79.0	118.6
160	43.5	35.1	52.7



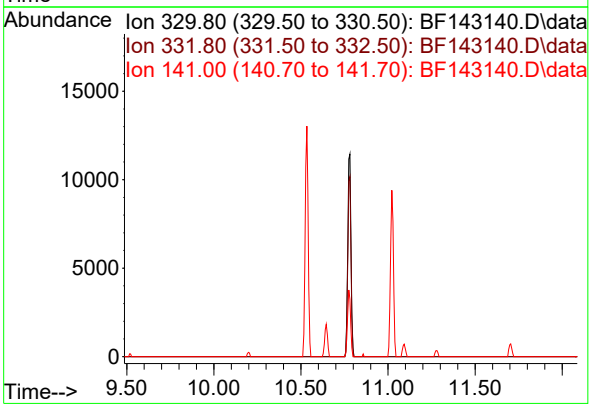


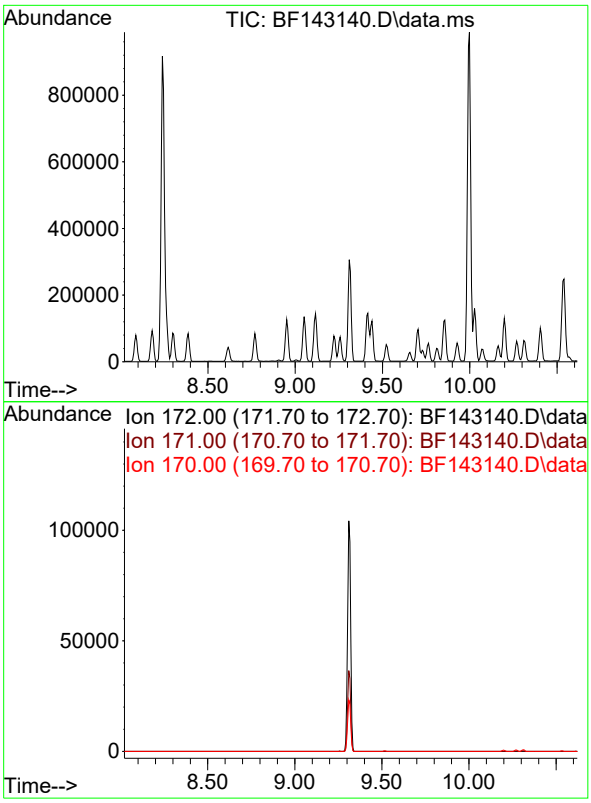
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.79 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.9
141	29.1





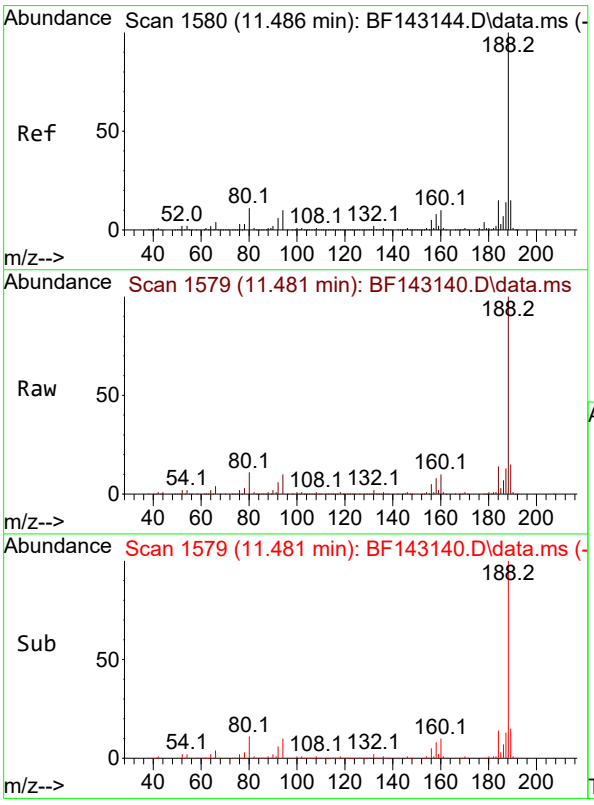
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.32 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

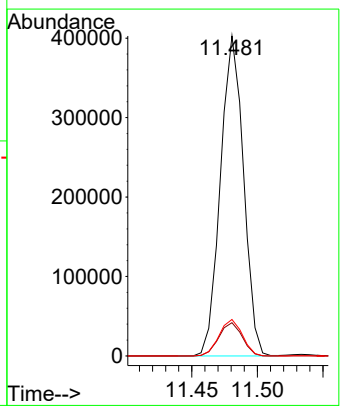
Sig	Exp Ratio
172	100
171	35.7
170	23.5

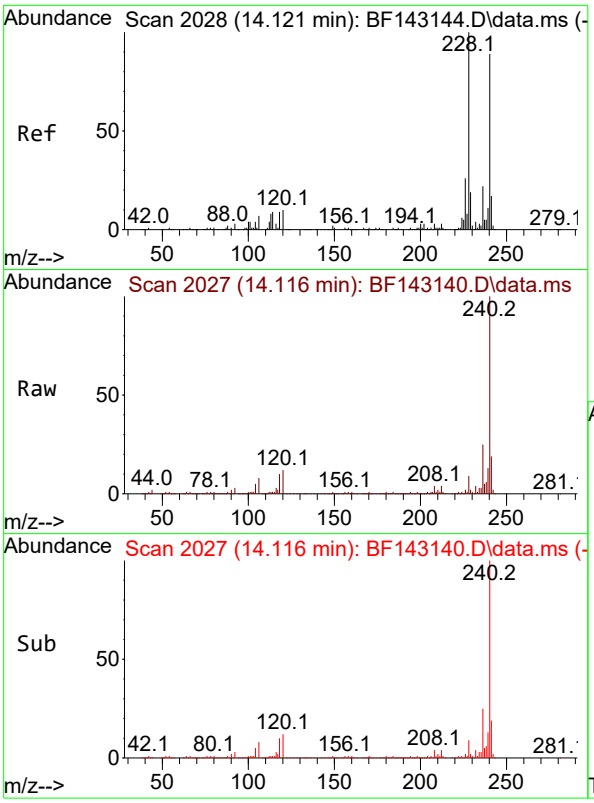


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion:188 Resp: 492765

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	11.4	9.0	13.6



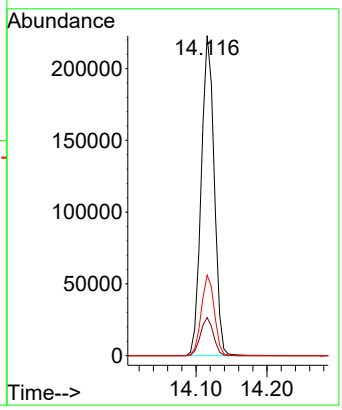


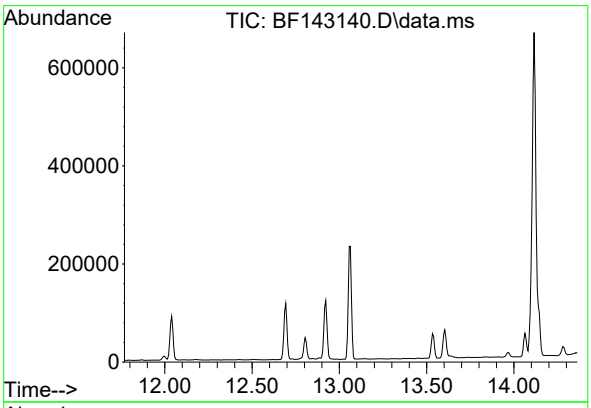
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 283469

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.4	14.2
236	25.1	20.2	30.4



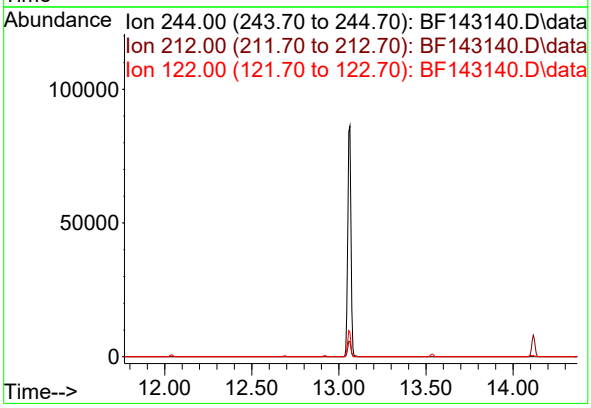


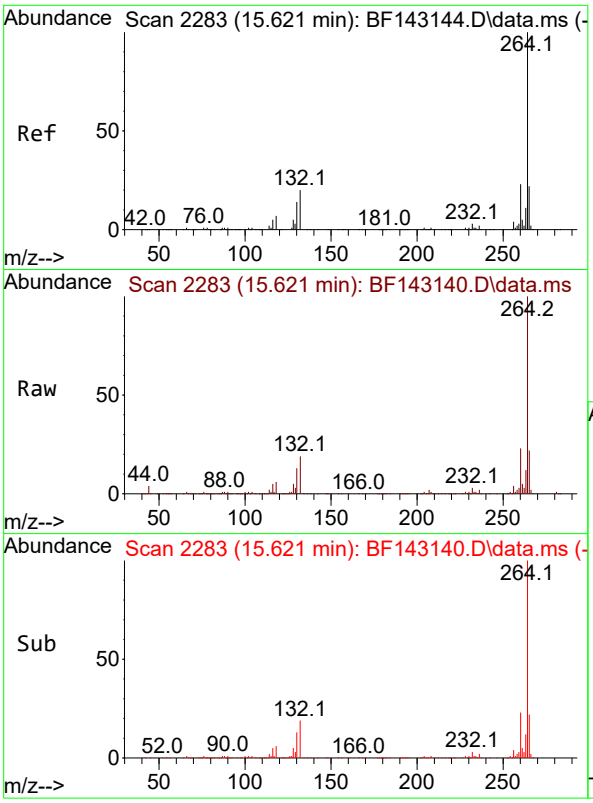
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.5
122	10.2



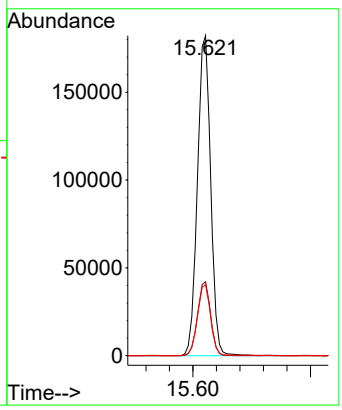


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 284847

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.1	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	129942	20.000	ng		0.00
21) Naphthalene-d8	8.239	136	504796	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	263409	20.000	ng		0.00
64) Phenanthrene-d10	11.480	188	432329	20.000	ng		0.00
76) Chrysene-d12	14.116	240	253004	20.000	ng		0.00
86) Perylene-d12	15.615	264	255898	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	89958	10.955	ng		0.00
7) Phenol-d6	6.569	99	112575	10.892	ng		-0.02
23) Nitrobenzene-d5	7.510	82	102749m	10.146	ng		-0.01
42) 2,4,6-Tribromophenol	10.780	330	26288	9.661	ng		0.00
45) 2-Fluorobiphenyl	9.310	172	231962	12.043	ng		-0.01
79) Terphenyl-d14	13.063	244	198167	11.656	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	20208	5.201	ng		97
3) Pyridine	3.587	79	52981	5.254	ng		99
6) Aniline	6.616	93	75811	5.263	ng		99
8) 2-Chlorophenol	6.740	128	45203	5.252	ng		98
10) Phenol	6.581	94	61148	5.431	ng		99
11) bis(2-Chloroethyl)ether	6.687	93	46083	5.345	ng		98
12) 1,3-Dichlorobenzene	6.904	146	51056	5.460	ng		98
13) 1,4-Dichlorobenzene	6.981	146	52031	5.526	ng		100
14) 1,2-Dichlorobenzene	7.134	146	49028	5.474	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	86727	5.423	ng		100
17) 2-Methylphenol	7.192	107	38278	5.289	ng		97
18) Hexachloroethane	7.481	117	16944	5.198	ng		97
19) n-Nitroso-di-n-propyla...	7.357	70	36103	5.445	ng		98
22) Acetophenone	7.357	105	66559	5.569	ng	#	98
24) Nitrobenzene	7.528	77	47902	5.074	ng		96
25) Isophorone	7.769	82	94372	5.279	ng		99
26) 2-Nitrophenol	7.851	139	16827	4.107	ng		98
27) 2,4-Dimethylphenol	7.881	122	44954	5.382	ng		100
28) bis(2-Chloroethoxy)met...	7.981	93	58465	5.455	ng		99
29) 2,4-Dichlorophenol	8.087	162	36884	5.236	ng		97
30) 1,2,4-Trichlorobenzene	8.181	180	41552	5.460	ng		99
31) Naphthalene	8.263	128	141099	5.676	ng		99
33) 4-Chloroaniline	8.304	127	55130	5.431	ng		98
34) Hexachlorobutadiene	8.386	225	24322	5.232	ng		100
36) 4-Chloro-3-methylphenol	8.769	107	40203	5.251	ng		98
37) 2-Methylnaphthalene	8.951	142	84234	5.568	ng		98
38) 1-Methylnaphthalene	9.051	142	86130	5.529	ng		100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41999	5.523	ng		100
43) 2,4,6-Trichlorophenol	9.222	196	25730	4.889	ng		100
44) 2,4,5-Trichlorophenol	9.257	196	26626	5.057	ng		98
46) 1,1'-Biphenyl	9.416	154	115130	5.602	ng		100
47) 2-Chloronaphthalene	9.439	162	83495	5.491	ng		98
48) 2-Nitroaniline	9.522	65	20076	4.210	ng		95
49) Acenaphthylene	9.857	152	140525	5.514	ng		98
50) Dimethylphthalate	9.704	163	93611	5.452	ng		99
51) 2,6-Dinitrotoluene	9.763	165	14787	4.234	ng		90

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	10.028	154	84160	5.588	ng		99
53) 3-Nitroaniline	9.928	138	18738	4.587	ng		94
55) Dibenzofuran	10.198	168	127035	5.681	ng		97
57) 2,4-Dinitrotoluene	10.163	165	17709	4.041	ng		92
58) Fluorene	10.539	166	97477	5.808	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	21108	4.840	ng	#	97
60) Diethylphthalate	10.404	149	90651	5.342	ng		99
61) 4-Chlorophenyl-phenyle...	10.533	204	46747	5.594	ng		98
62) 4-Nitroaniline	10.533	138	15568	4.446	ng		96
63) Azobenzene	10.692	77	95602	5.405	ng		99
66) n-Nitrosodiphenylamine	10.645	169	82281	5.405	ng		100
67) 4-Bromophenyl-phenylether	11.022	248	27259	5.291	ng		97
68) Hexachlorobenzene	11.092	284	29052	5.395	ng		98
69) Atrazine	11.169	200	19865	4.733	ng		99
71) Phenanthrene	11.504	178	128762	5.609	ng		100
72) Anthracene	11.557	178	127938	5.465	ng		98
73) Carbazole	11.704	167	112588	5.507	ng		99
74) Di-n-butylphthalate	12.039	149	116291	5.027	ng		99
75) Fluoranthene	12.692	202	117249	5.565	ng		99
78) Pyrene	12.922	202	120767	5.593	ng		98
80) Butylbenzylphthalate	13.533	149	27699	4.189	ng		97
81) Benzo(a)anthracene	14.104	228	86920	5.131	ng		98
83) Chrysene	14.139	228	81091	5.325	ng		99
84) Bis(2-ethylhexyl)phtha...	14.098	149	43732	4.370	ng		99
87) Indeno(1,2,3-cd)pyrene	17.139	276	91076	5.047	ng		100
88) Benzo(b)fluoranthene	15.174	252	78749	5.037	ng		99
89) Benzo(k)fluoranthene	15.204	252	74738	5.358	ng		98
90) Benzo(a)pyrene	15.551	252	72196	5.012	ng		98
91) Dibenzo(a,h)anthracene	17.162	278	74120	5.047	ng		100
92) Benzo(g,h,i)perylene	17.604	276	70403	4.955	ng		99

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

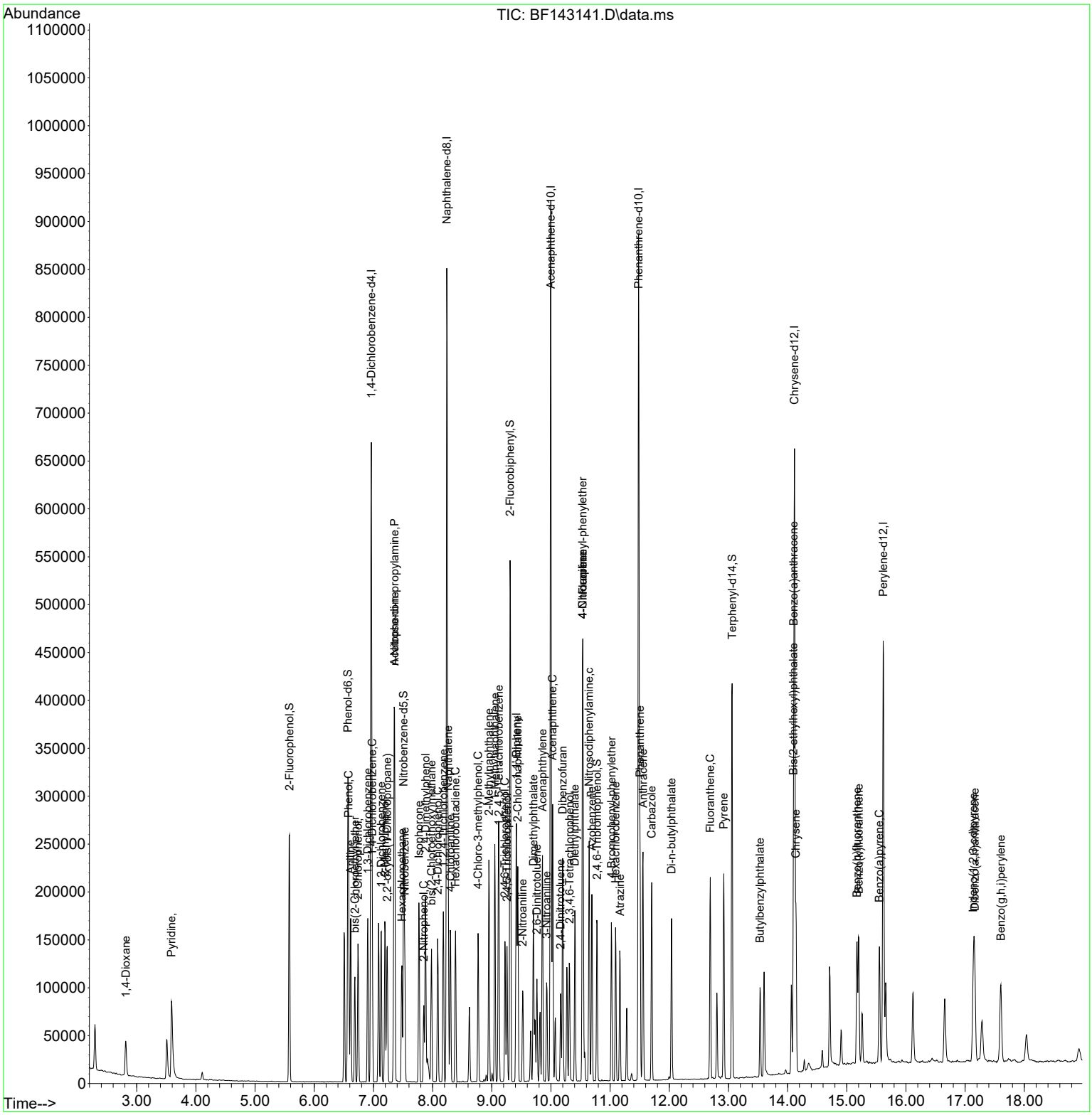
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

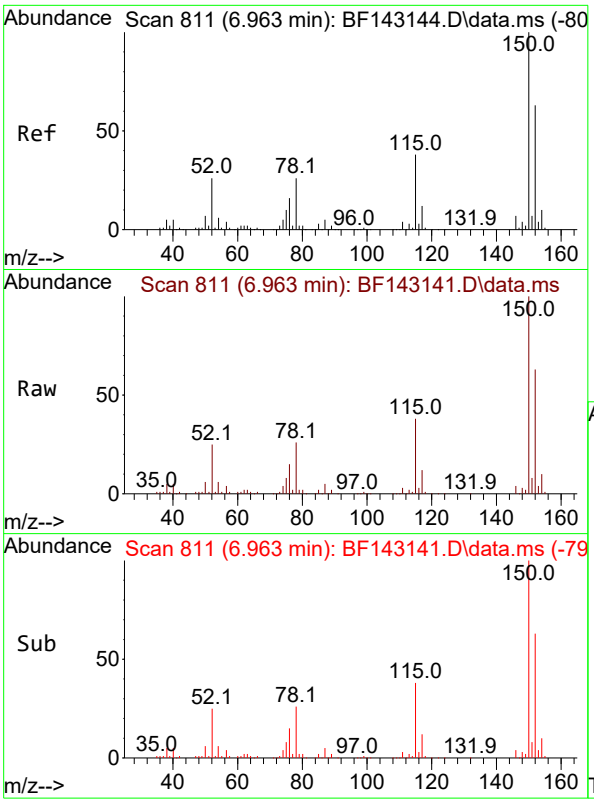
Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

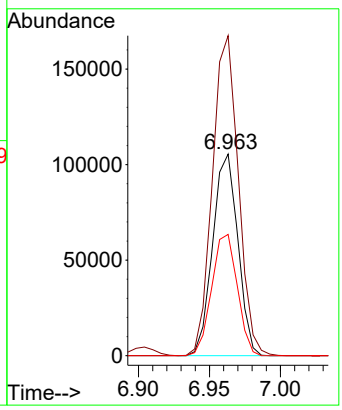




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:152 Resp: 12994

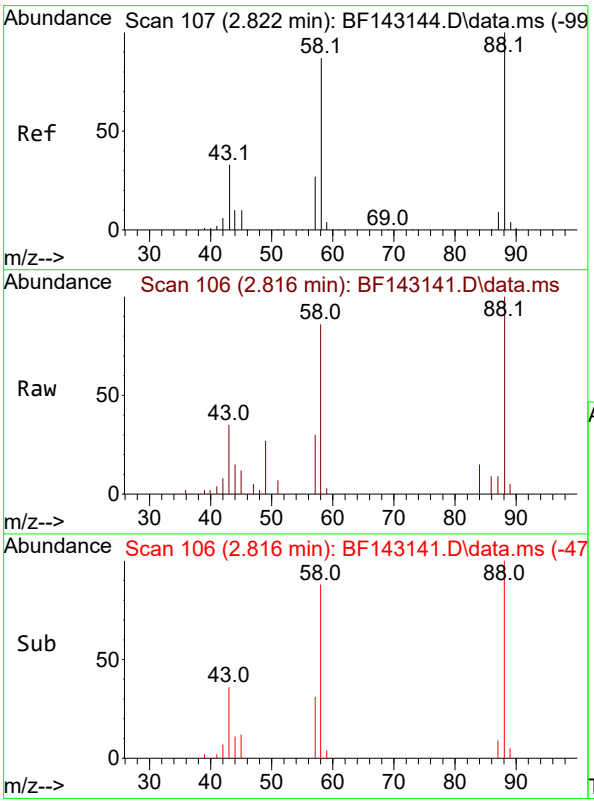
Ion	Ratio	Lower	Upper
152	100		
150	158.7	128.2	192.4
115	60.2	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

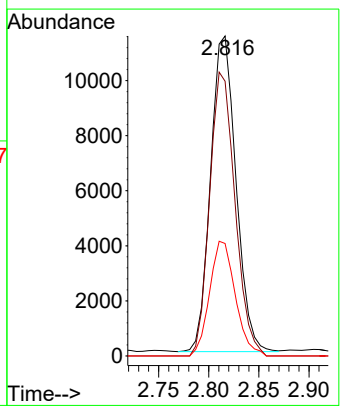
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

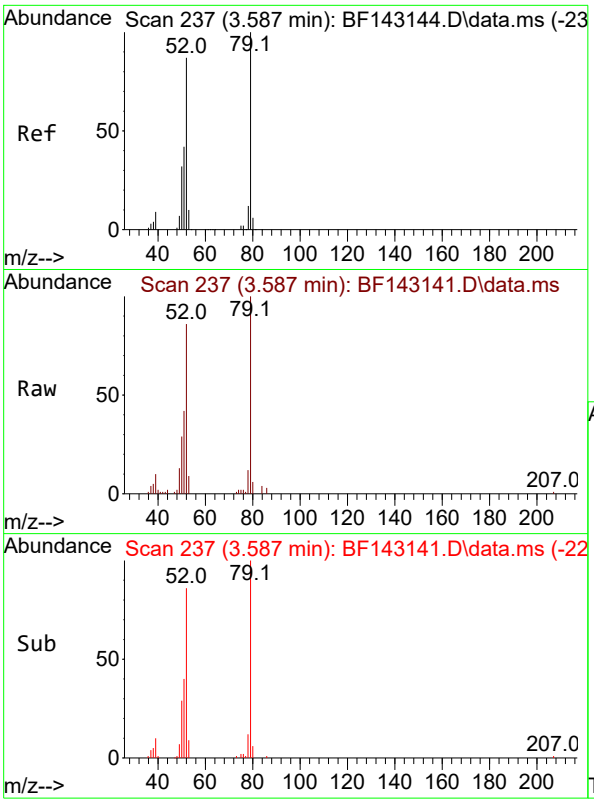


#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 88 Resp: 20208

Ion	Ratio	Lower	Upper
88	100		
58	89.6	70.2	105.2
43	36.7	27.1	40.7

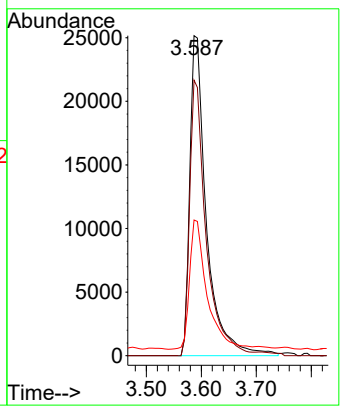




#3
Pyridine
Concen: 5.254 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 79 Resp: 5298

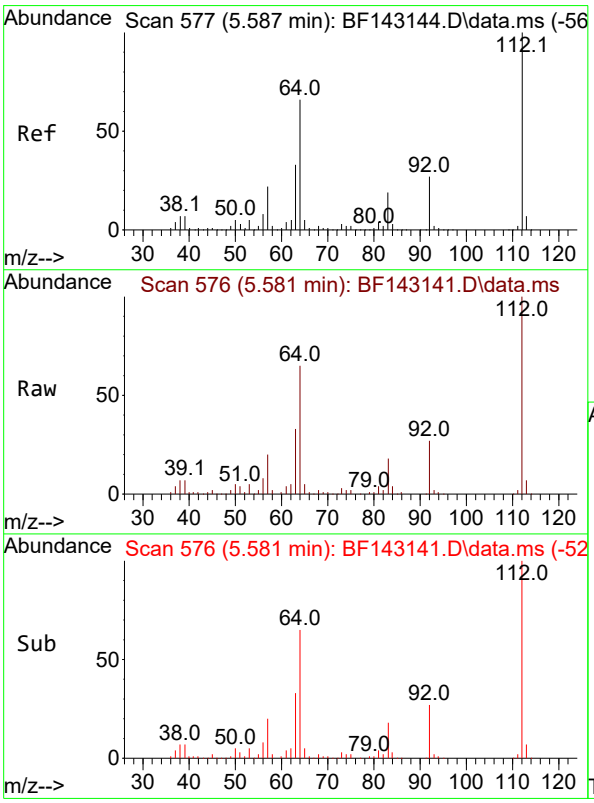
Ion	Ratio	Lower	Upper
79	100		
52	86.1	69.4	104.2
51	42.4	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

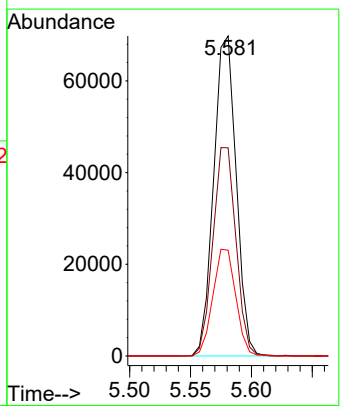
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

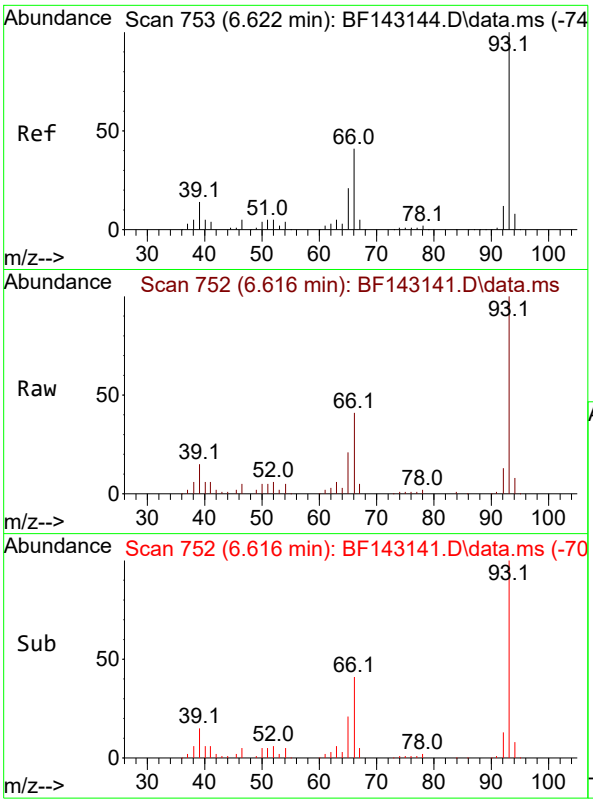


#5
2-Fluorophenol
Concen: 10.955 ng
RT: 5.581 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:112 Resp: 89958

Ion	Ratio	Lower	Upper
112	100		
64	65.1	53.1	79.7
63	33.1	26.6	40.0

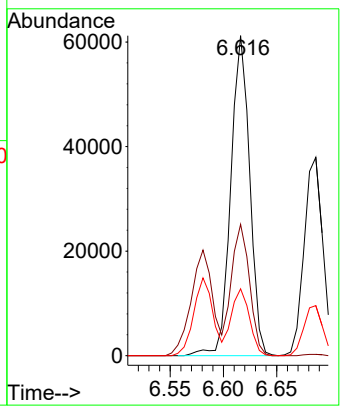




#6
Aniline
Concen: 5.263 ng
RT: 6.616 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 93 Resp: 7581

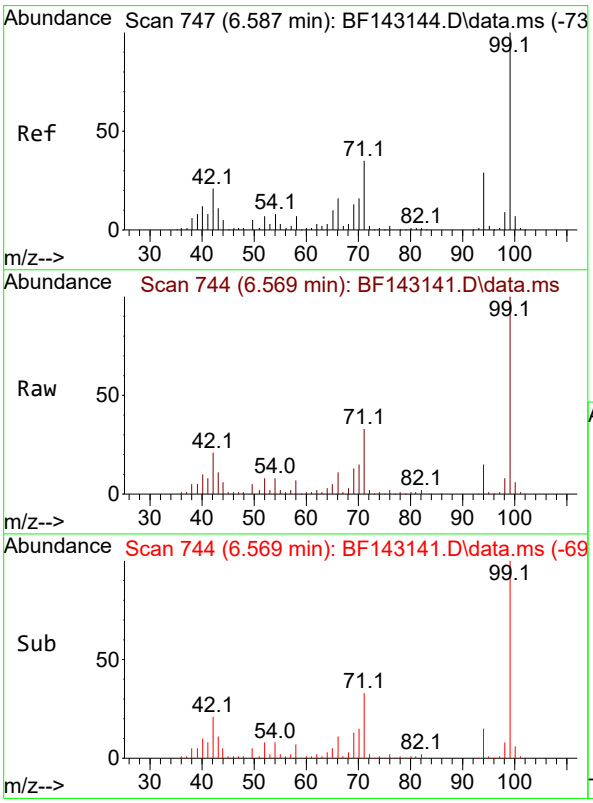
Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.2	49.8
65	20.9	16.9	25.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

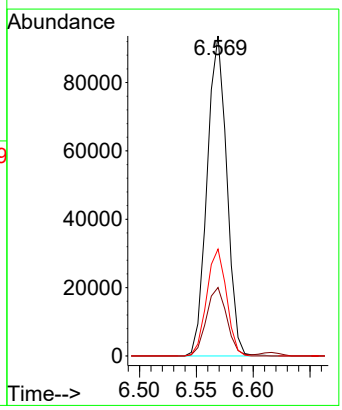
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

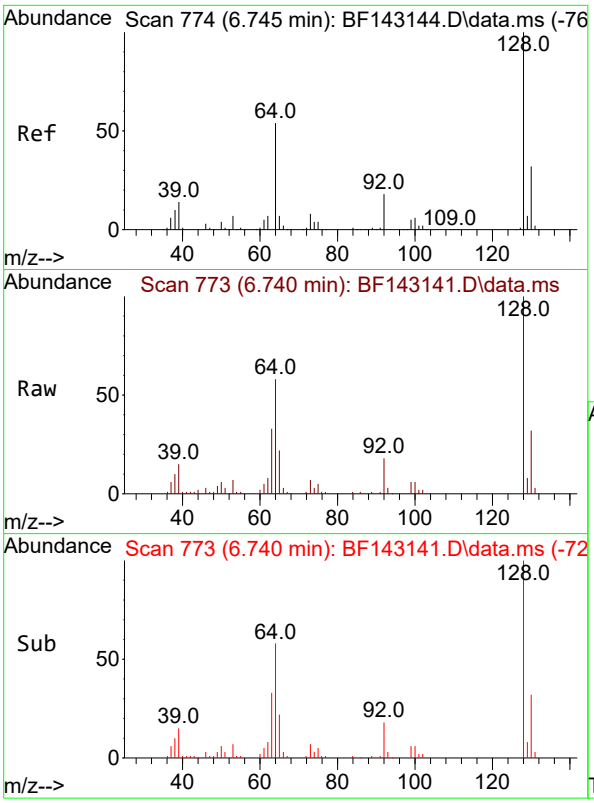


#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 99 Resp: 112575

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	33.4	27.7	41.5

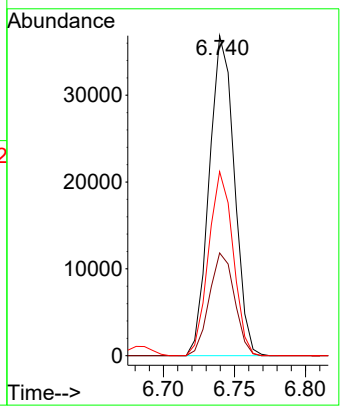




#8
2-Chlorophenol
Concen: 5.252 ng
RT: 6.740 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:128 Resp: 4520

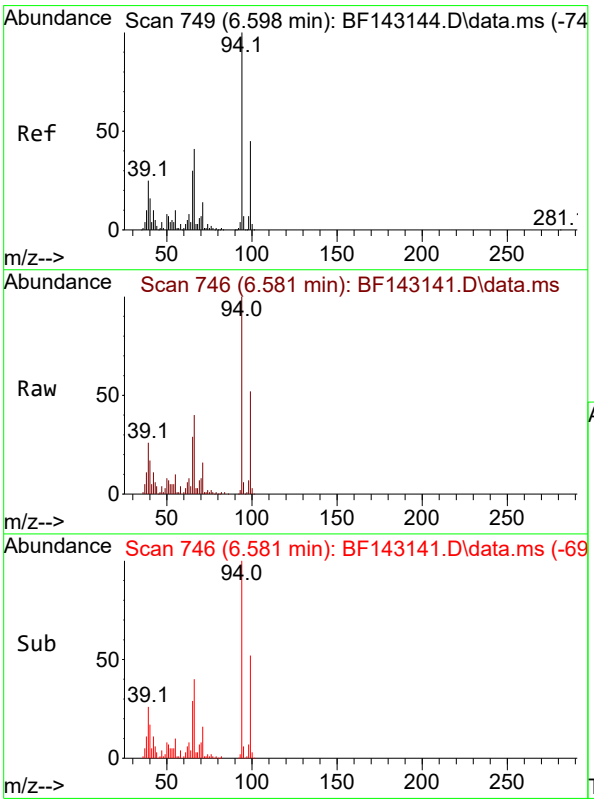
Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.3	52.3
64	57.5	35.9	75.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

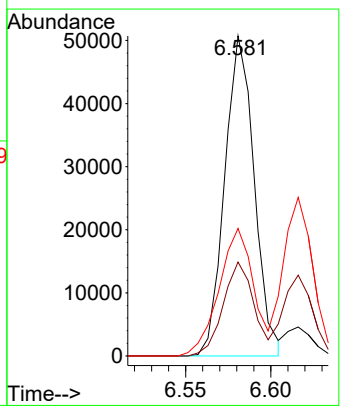
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

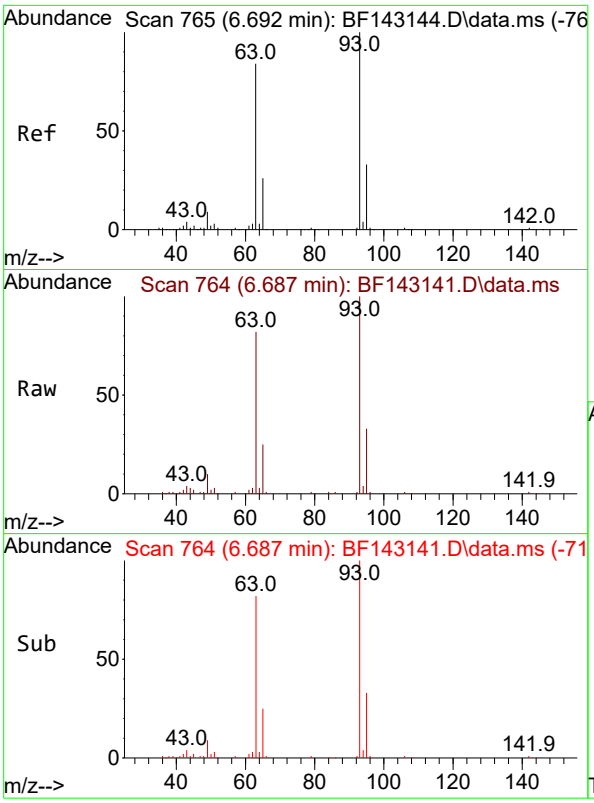


#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 94 Resp: 61148

Ion	Ratio	Lower	Upper
94	100		
65	29.4	10.0	50.0
66	39.8	20.8	60.8

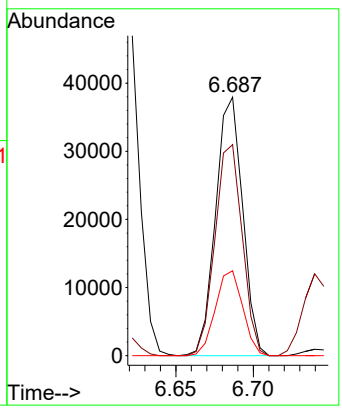




#11
bis(2-Chloroethyl)ether
Concen: 5.345 ng
RT: 6.687 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 93 Resp: 4608

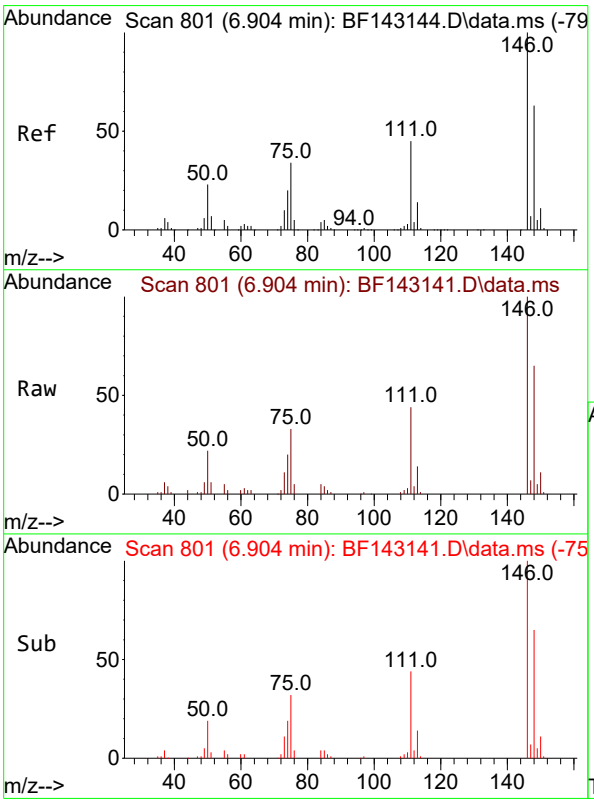
Ion	Ratio	Lower	Upper
93	100		
63	81.6	63.4	103.4
95	32.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

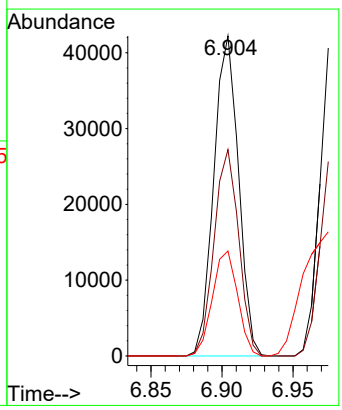
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

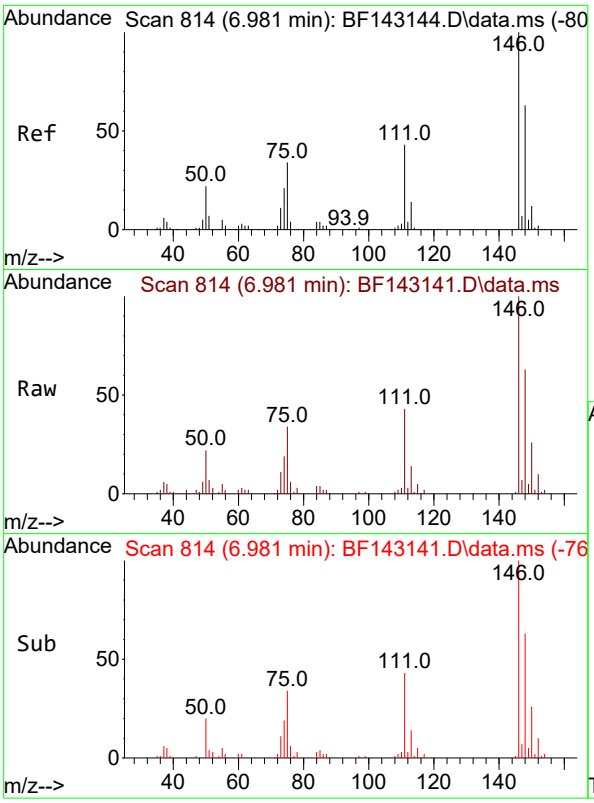


#12
1,3-Dichlorobenzene
Concen: 5.460 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:146 Resp: 51056

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.6	76.0
75	32.8	27.4	41.2

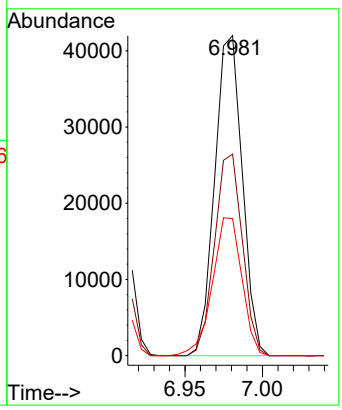




#13
1,4-Dichlorobenzene
Concen: 5.526 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:146 Resp: 5203

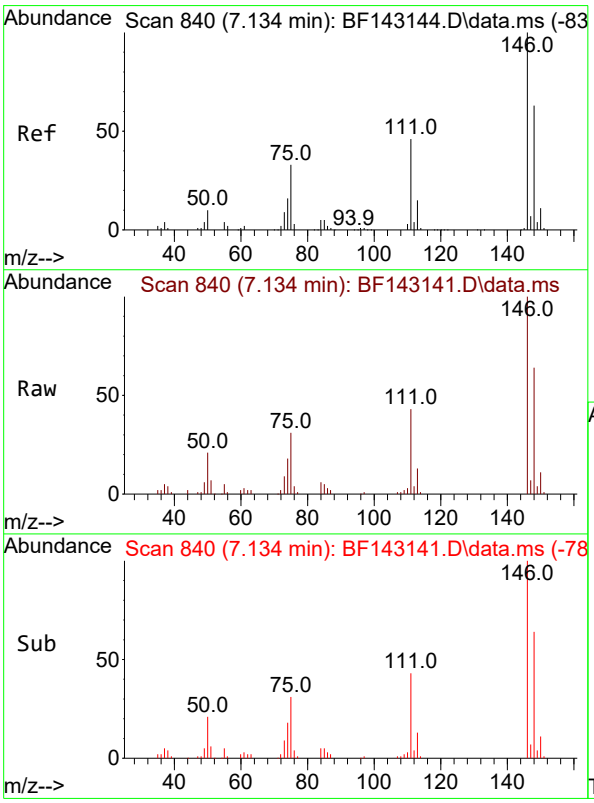
Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
111	42.8	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

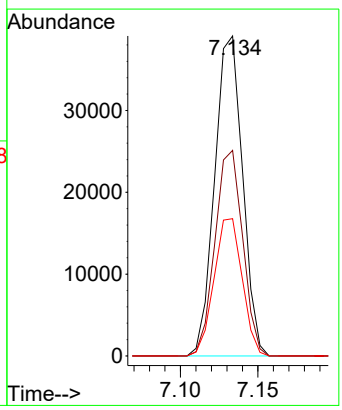
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

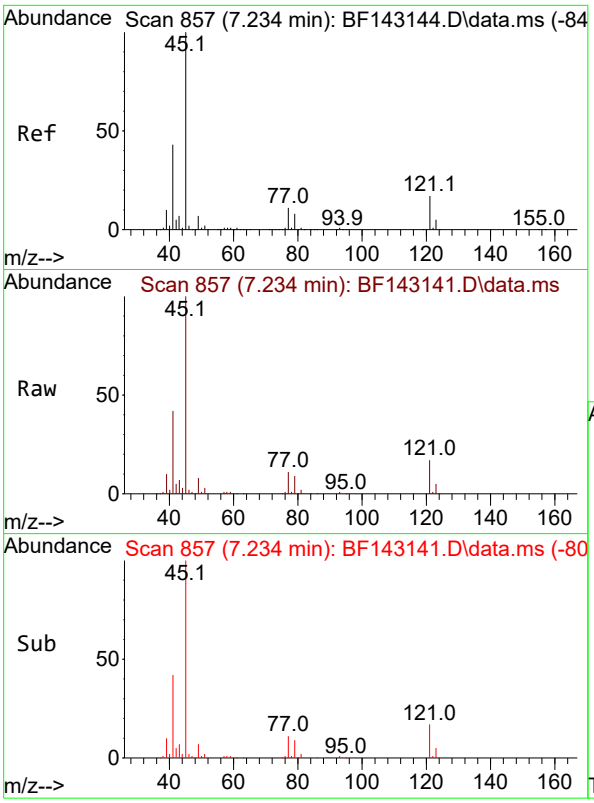


#14
1,2-Dichlorobenzene
Concen: 5.474 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:146 Resp: 49028

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.7	76.1
111	42.9	36.6	54.8

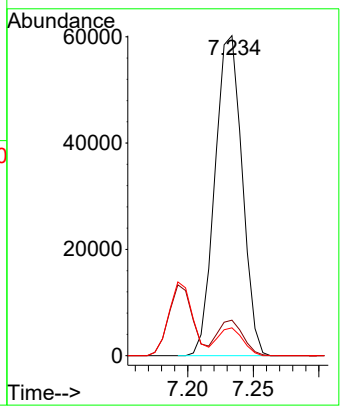




#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 45 Resp: 8672

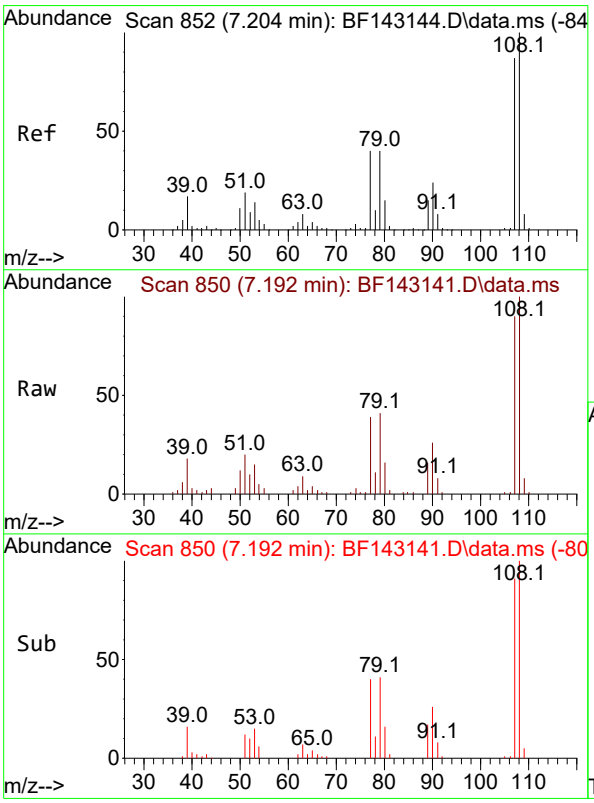
Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.7	0.0	28.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

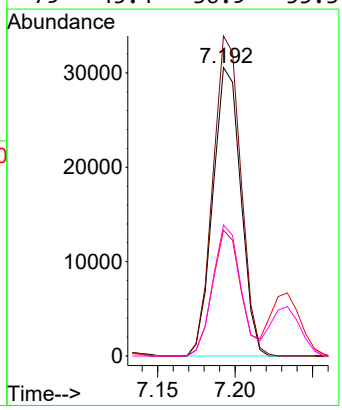
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

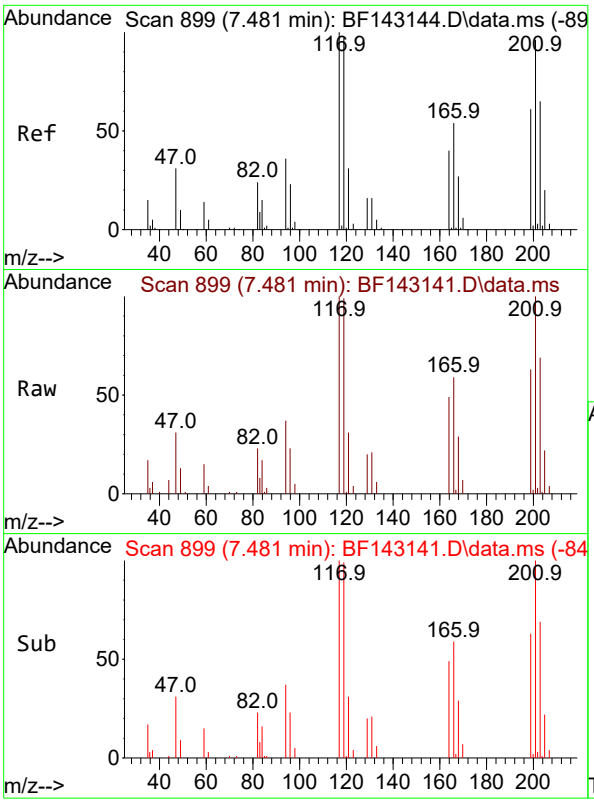


#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:107 Resp: 38278

Ion	Ratio	Lower	Upper
107	100		
108	110.9	91.8	137.6
77	43.6	37.0	55.6
79	45.4	36.9	55.3

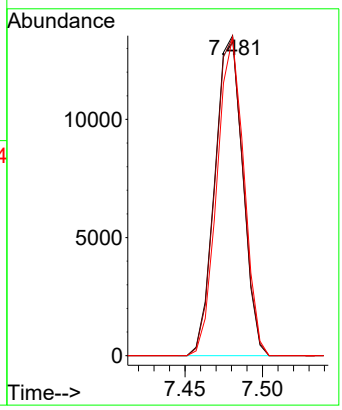




#18
Hexachloroethane
Concen: 5.198 ng
RT: 7.481 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:117 Resp: 1694

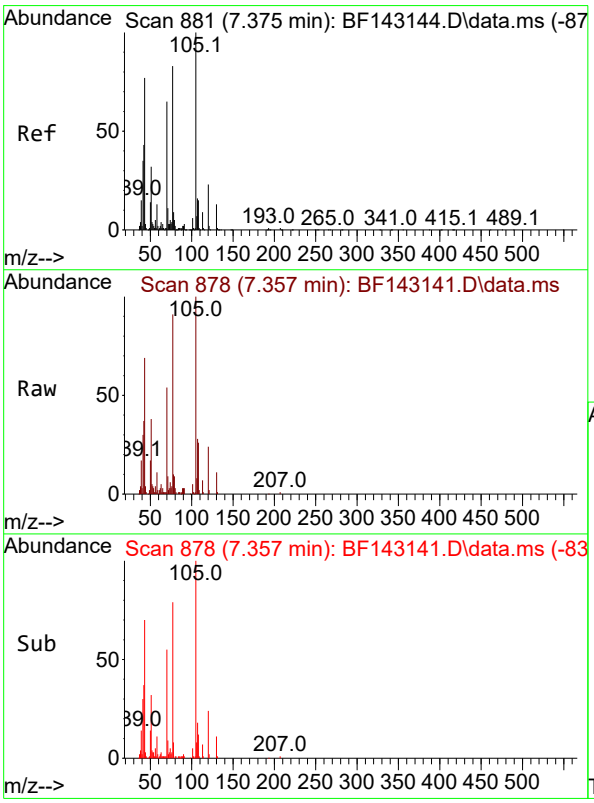
Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.8	116.8
201	99.6	77.0	115.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

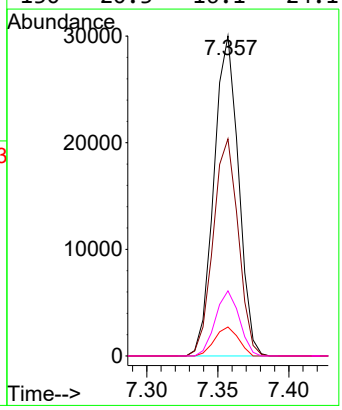
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

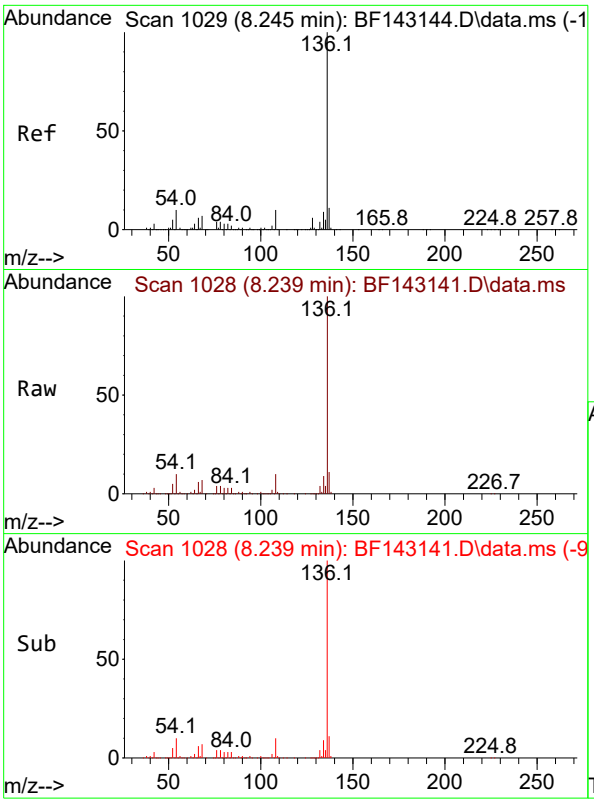


#19
n-Nitroso-di-n-propylamine
Concen: 5.445 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 70 Resp: 36103

Ion	Ratio	Lower	Upper
70	100		
42	67.8	52.5	78.7
101	9.0	7.6	11.4
130	20.3	16.1	24.1

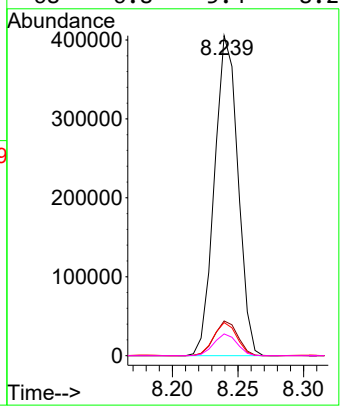




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:136 Resp: 50479

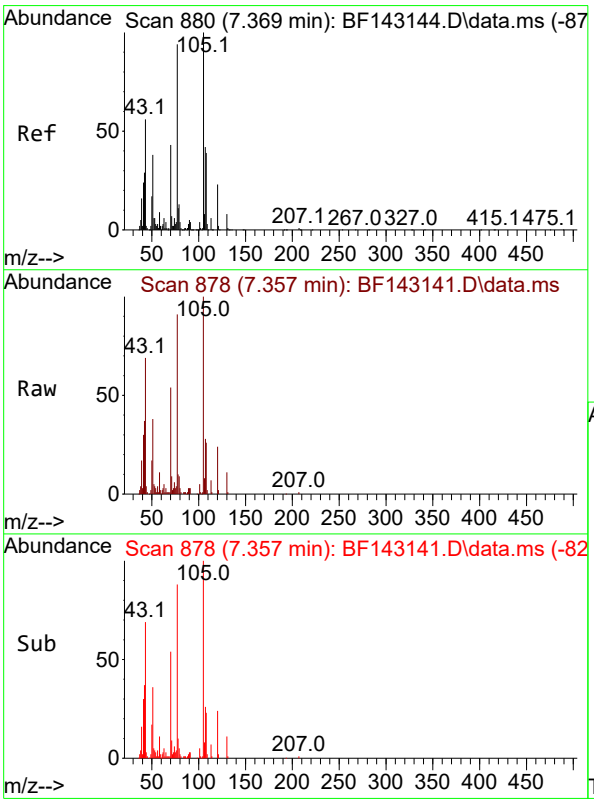
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.3	8.2	12.2
68	6.8	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

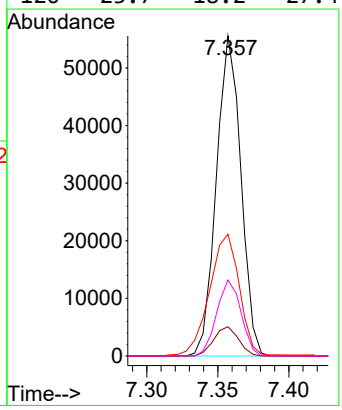
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

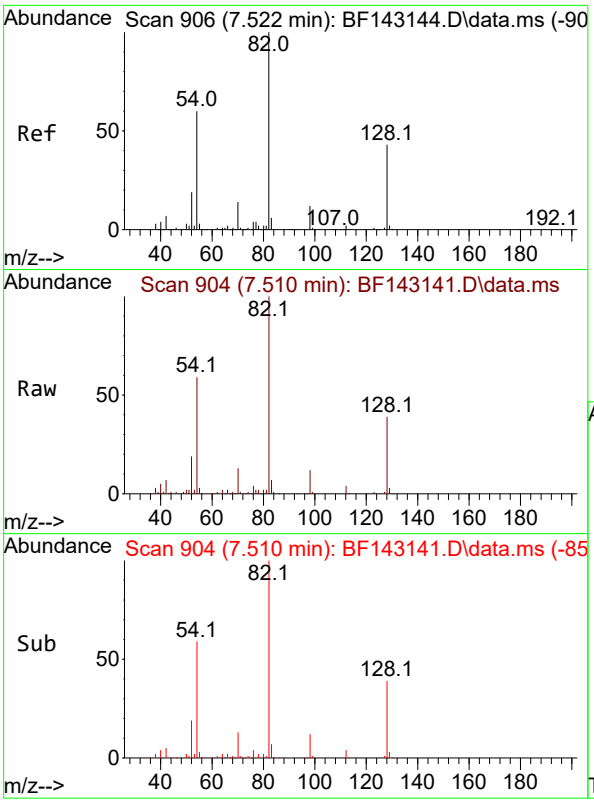


#22
Acetophenone
Concen: 5.569 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:105 Resp: 66559

Ion	Ratio	Lower	Upper
105	100		
71	9.1	5.8	8.6#
51	38.1	30.2	45.2
120	23.7	18.2	27.4

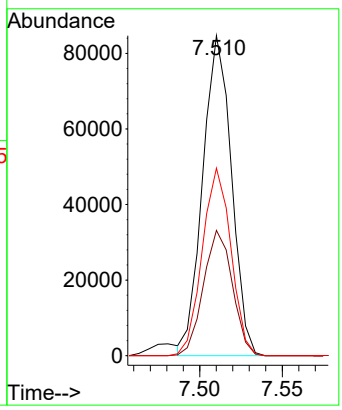




#23
Nitrobenzene-d5
Concen: 10.146 ng m
RT: 7.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 82 Resp: 10274

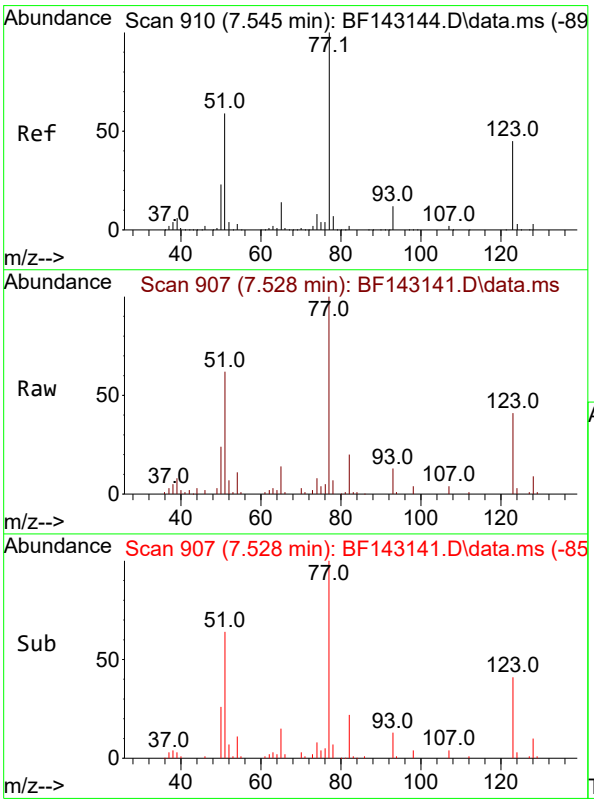
Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.6	50.4
54	58.6	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

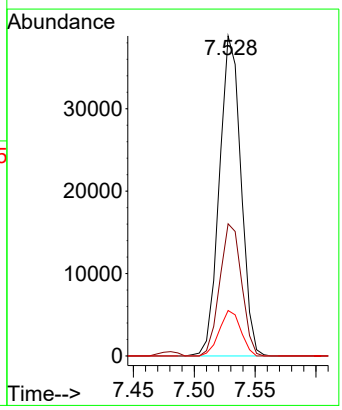
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

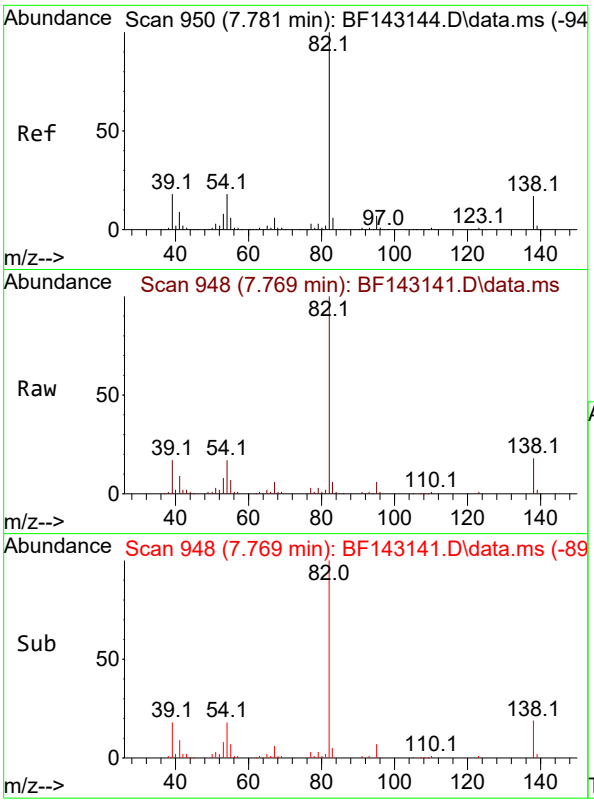


#24
Nitrobenzene
Concen: 5.074 ng
RT: 7.528 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 77 Resp: 47902

Ion	Ratio	Lower	Upper
77	100		
123	41.3	36.1	54.1
65	14.2	11.4	17.2

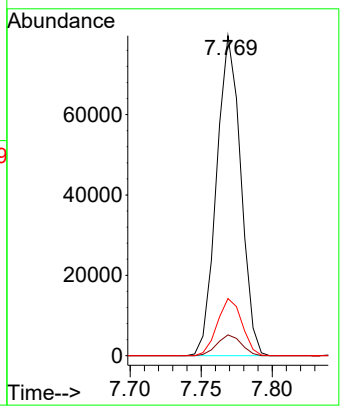




#25
Isophorone
Concen: 5.279 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 82 Resp: 9437

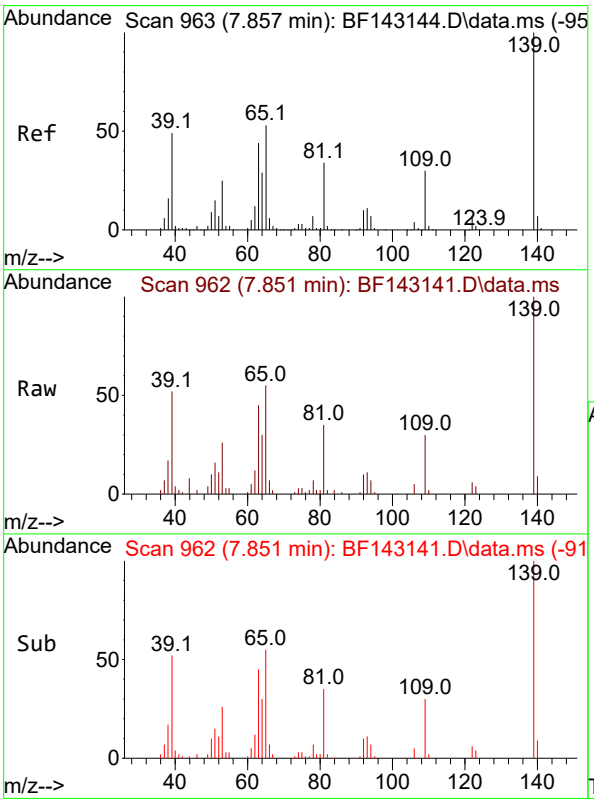
Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.5	8.3
138	17.8	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

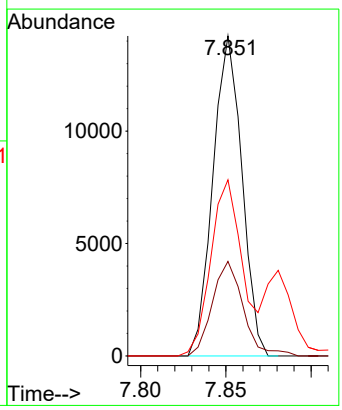
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

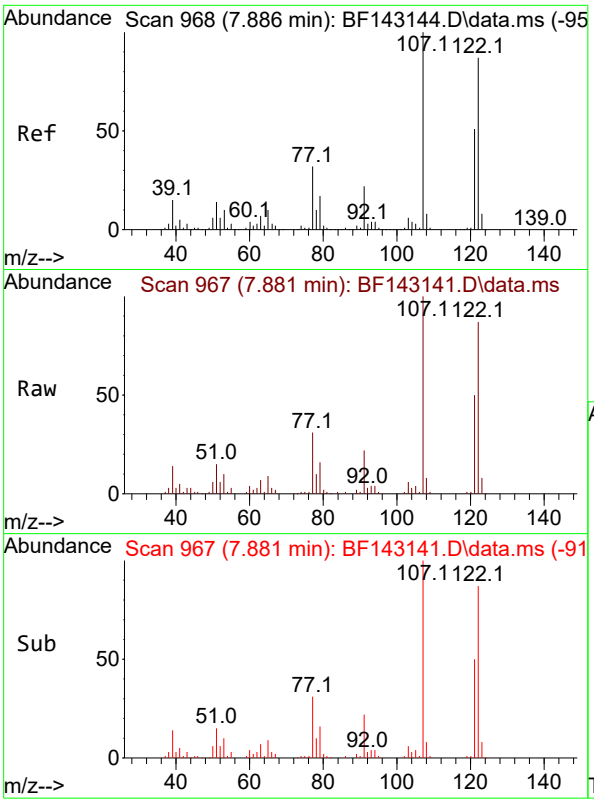


#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:139 Resp: 16827

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.6	35.4
65	55.0	42.6	64.0

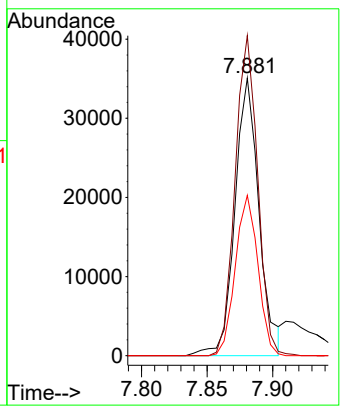




#27
2,4-Dimethylphenol
Concen: 5.382 ng
RT: 7.881 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:122 Resp: 4495

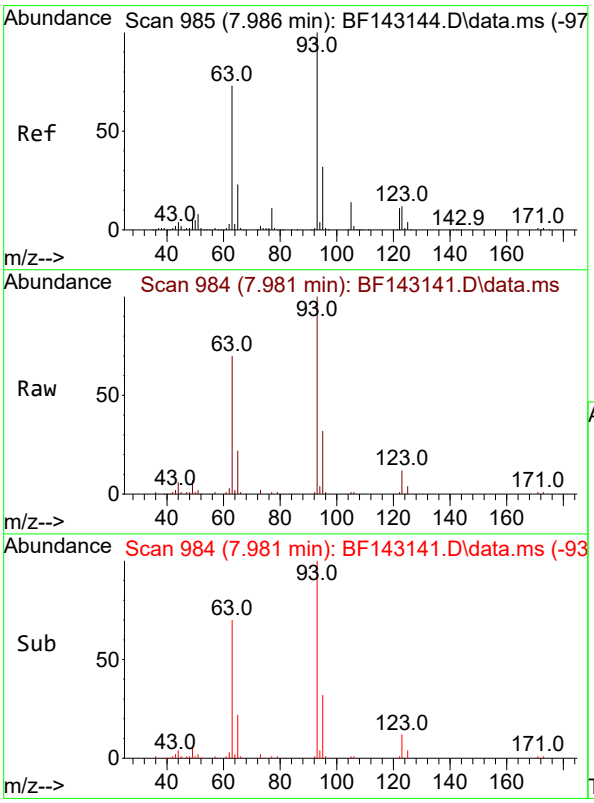
Ion	Ratio	Lower	Upper
122	100		
107	115.3	91.8	137.6
121	57.8	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

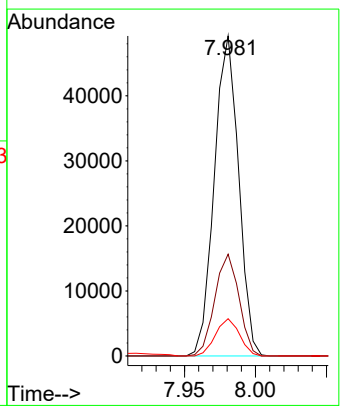
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

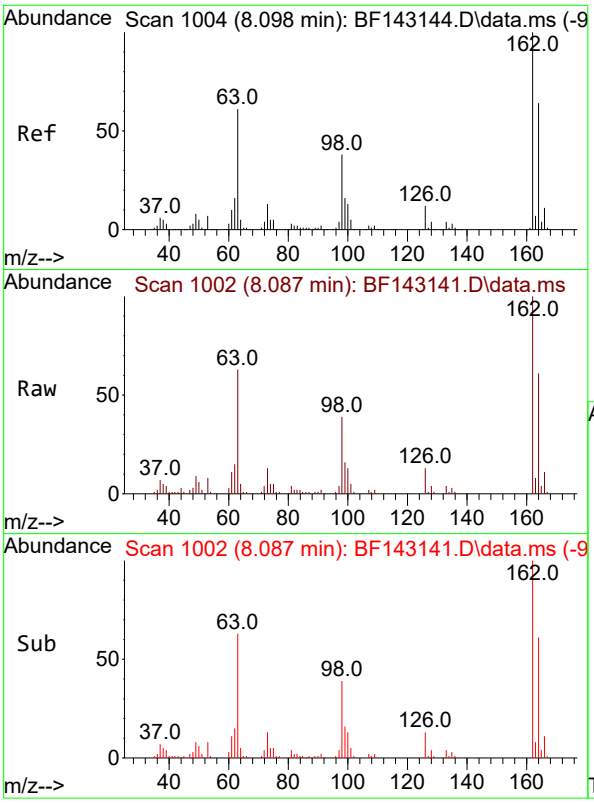


#28
bis(2-Chloroethoxy)methane
Concen: 5.455 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 93 Resp: 58465

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.8	38.6
123	11.7	9.7	14.5

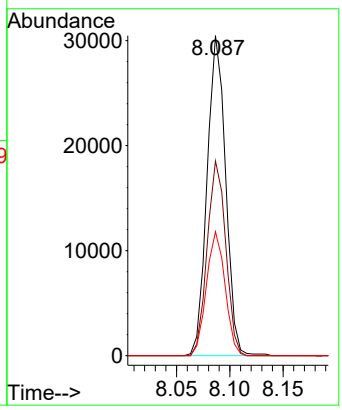




#29
2,4-Dichlorophenol
Concen: 5.236 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:162 Resp: 3688

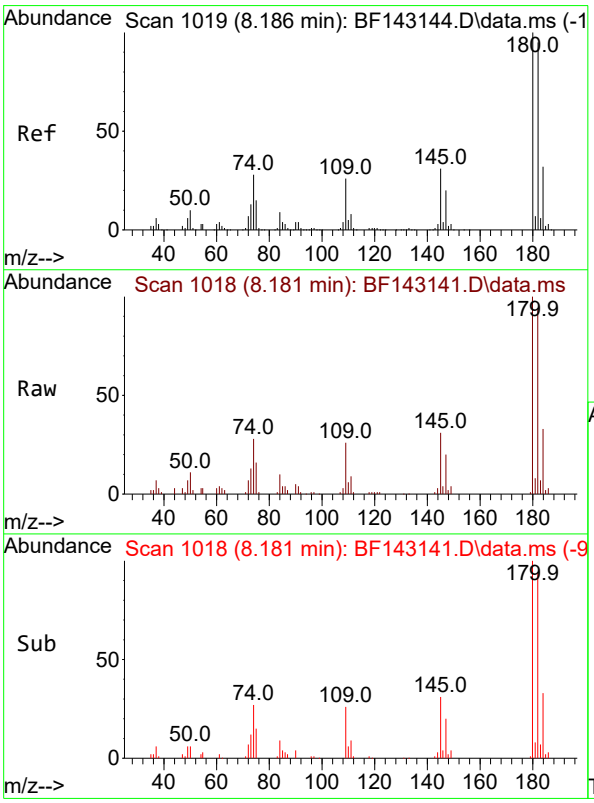
Ion	Ratio	Lower	Upper
162	100		
164	60.8	44.2	84.2
98	38.7	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

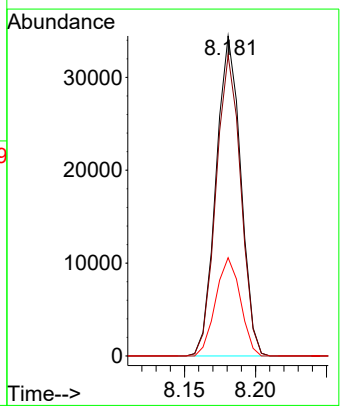
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

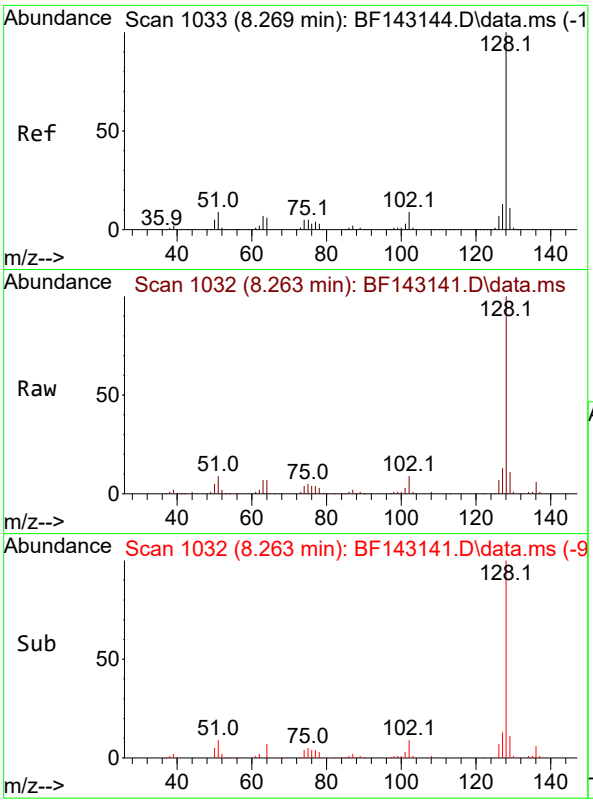


#30
1,2,4-Trichlorobenzene
Concen: 5.460 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:180 Resp: 41552

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.2	114.2
145	30.7	25.0	37.6

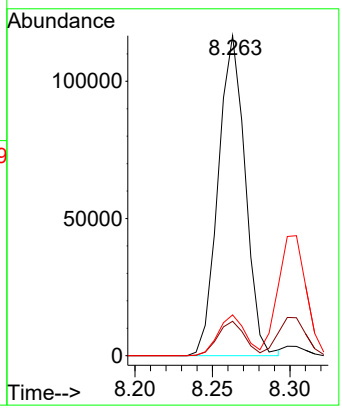




#31
Naphthalene
Concen: 5.676 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:128 Resp: 14109

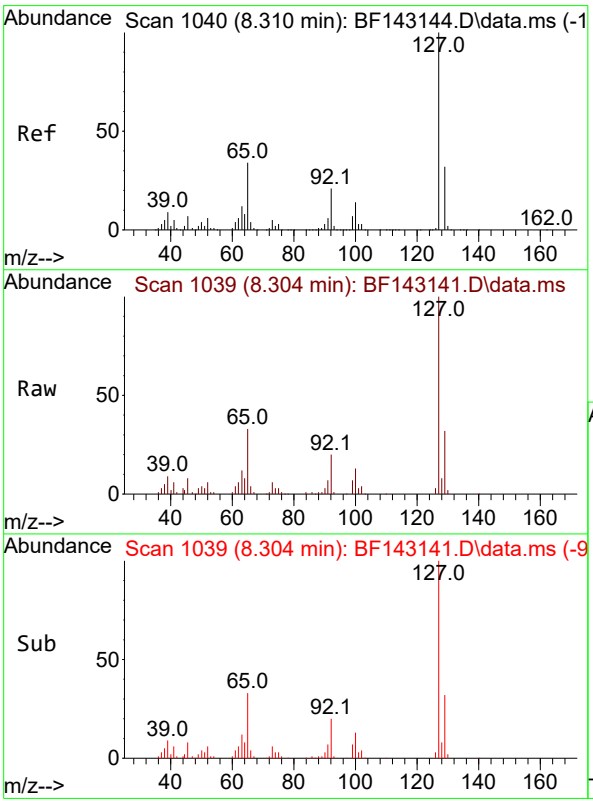
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

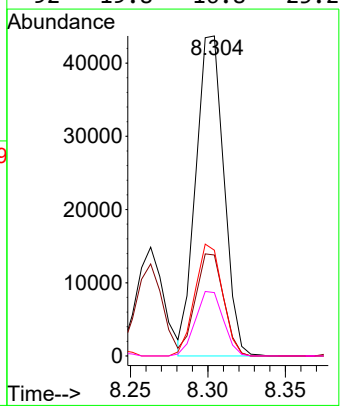
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

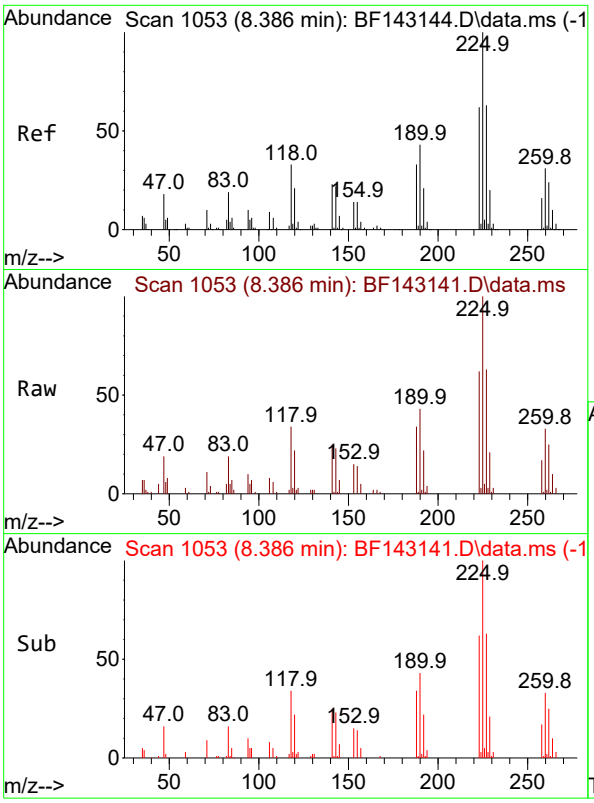


#33
4-Chloroaniline
Concen: 5.431 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:127 Resp: 55130

Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.0	39.0
65	33.0	27.4	41.2
92	19.8	16.8	25.2

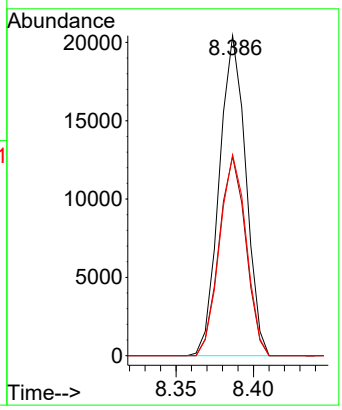




#34
Hexachlorobutadiene
Concen: 5.232 ng
RT: 8.386 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:225 Resp: 2432

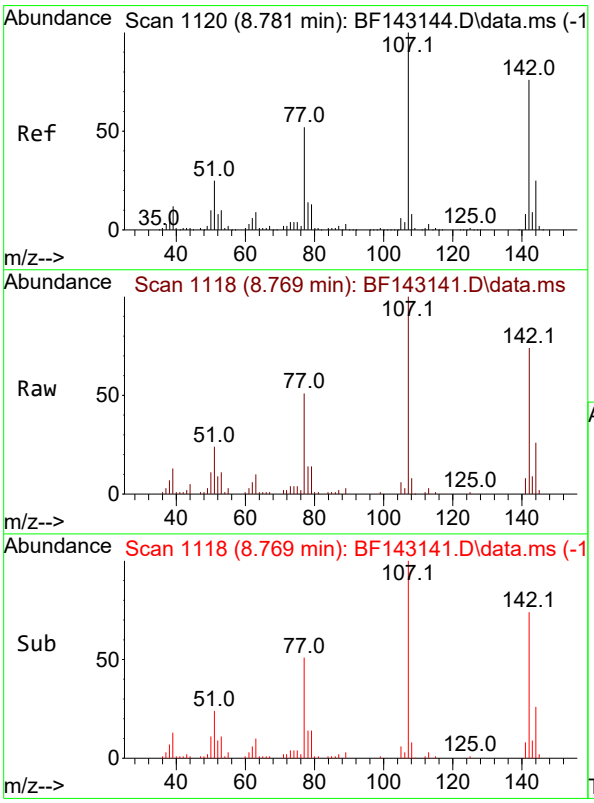
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	62.8	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

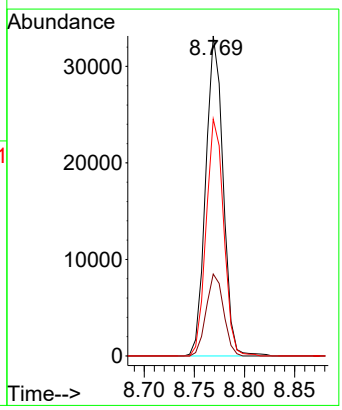
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

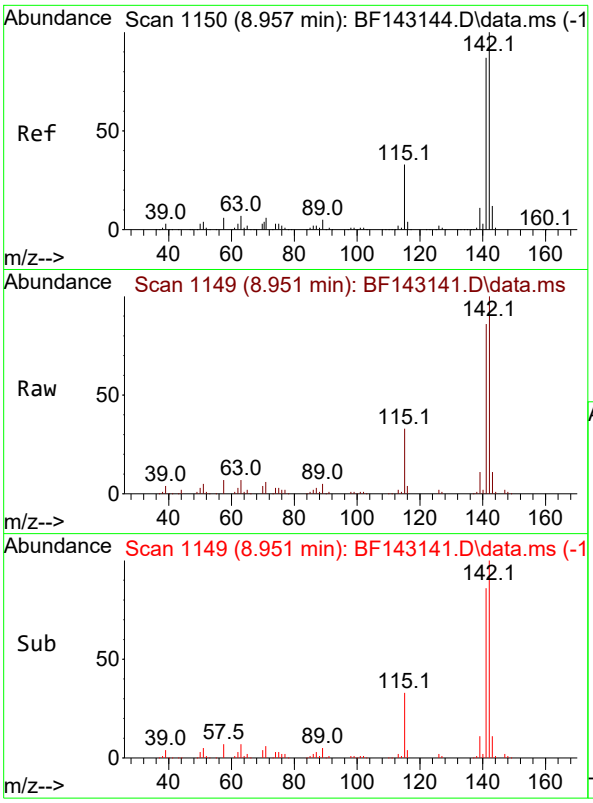


#36
4-Chloro-3-methylphenol
Concen: 5.251 ng
RT: 8.769 min Scan# 1118
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:107 Resp: 40203

Ion	Ratio	Lower	Upper
107	100		
144	25.6	19.8	29.6
142	74.1	60.6	90.8





#37
2-Methylnaphthalene
Concen: 5.568 ng
RT: 8.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

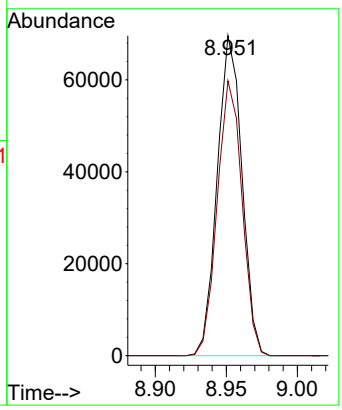
Tgt Ion:142 Resp: 8423

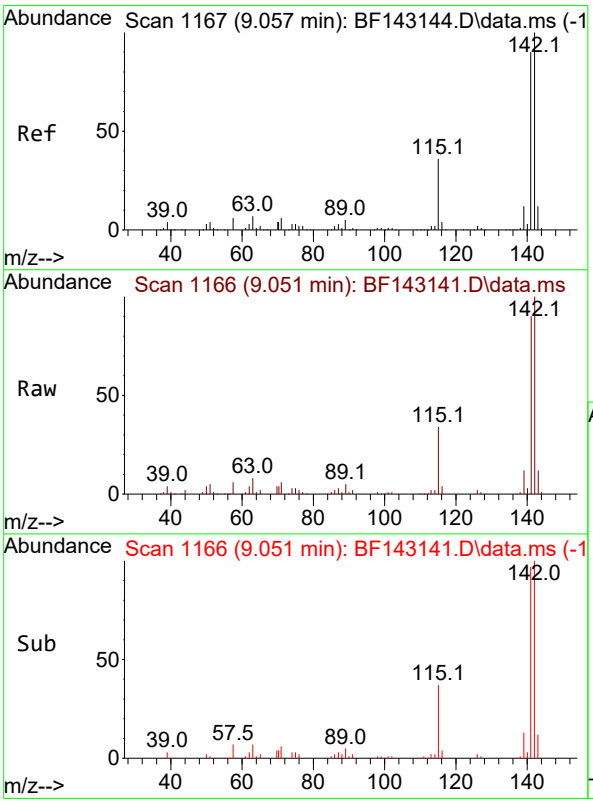
Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

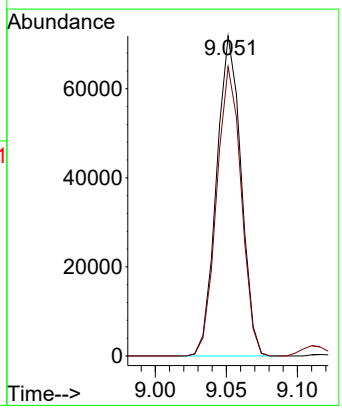


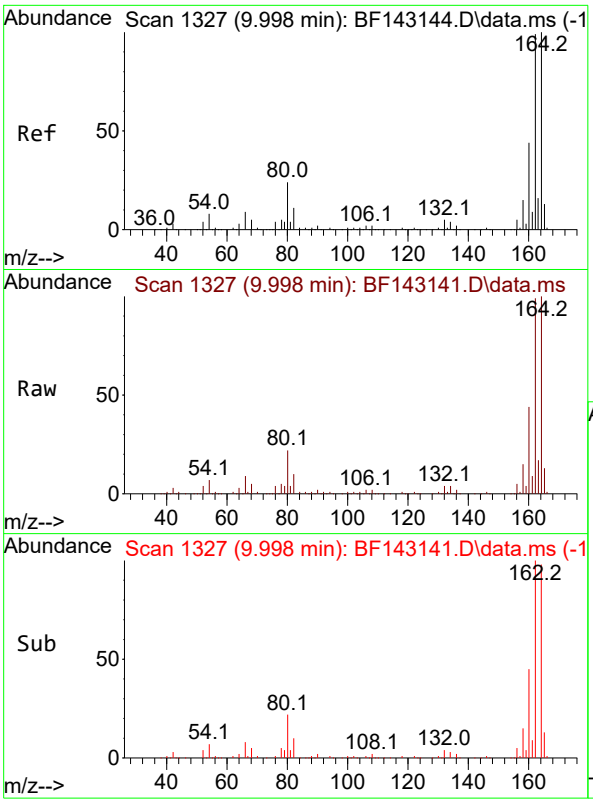


#38
1-Methylnaphthalene
Concen: 5.529 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:142 Resp: 86130

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5

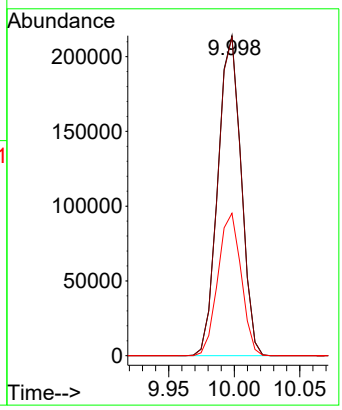




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:164 Resp: 263409

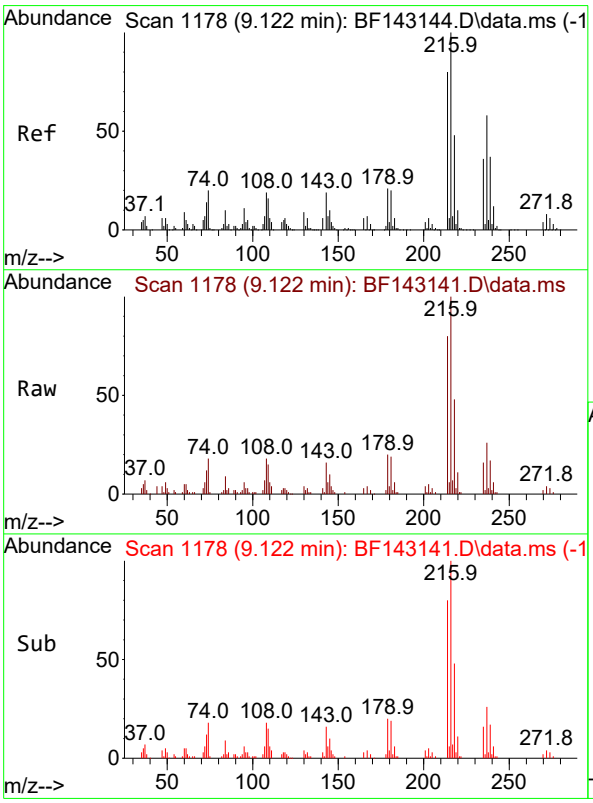
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.0	118.6
160	44.5	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

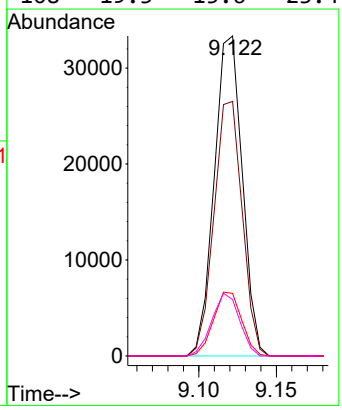
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

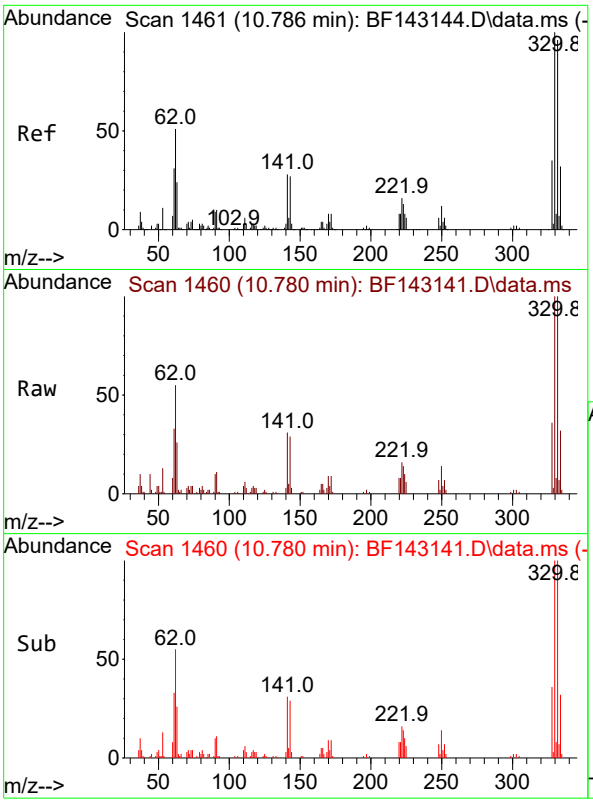


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.523 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:216 Resp: 41999

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.8	95.8
179	20.1	16.4	24.6
108	19.3	15.6	23.4

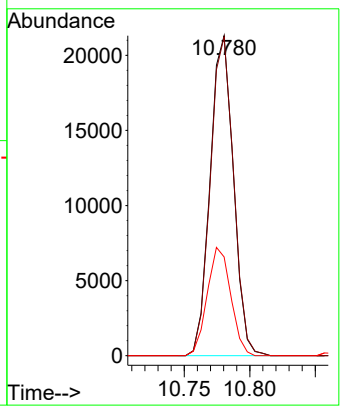




#42
2,4,6-Tribromophenol
Concen: 9.661 ng
RT: 10.780 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:330 Resp: 2628

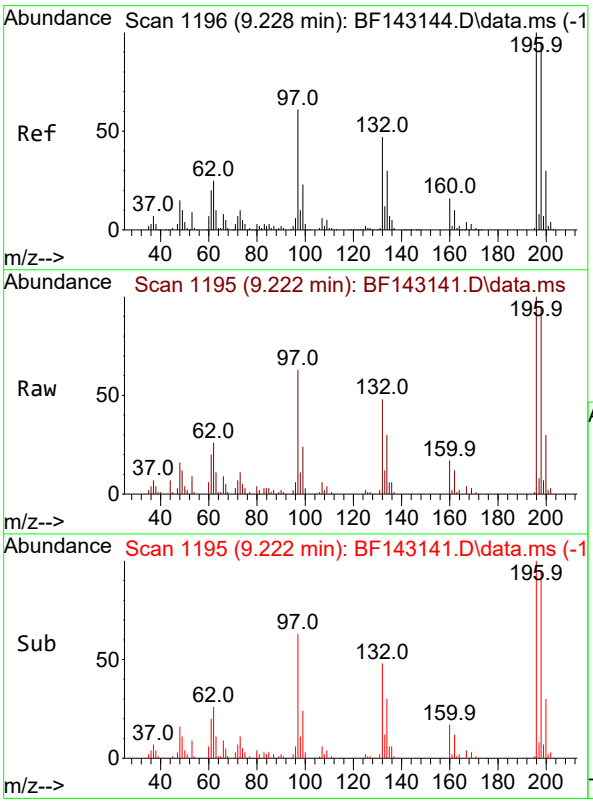
Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.7	115.1
141	34.3	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

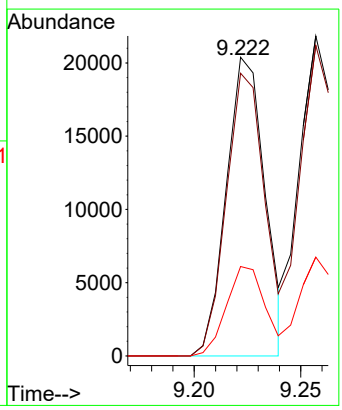
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

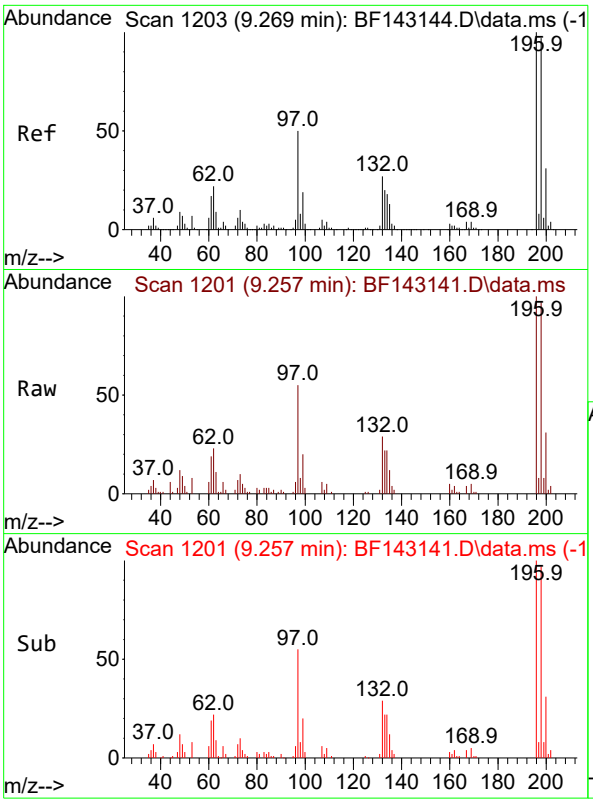


#43
2,4,6-Trichlorophenol
Concen: 4.889 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:196 Resp: 25730

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.2	114.2
200	30.0	23.9	35.9

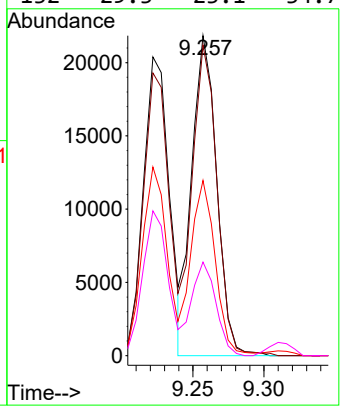




#44
2,4,5-Trichlorophenol
Concen: 5.057 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:196 Resp: 2662

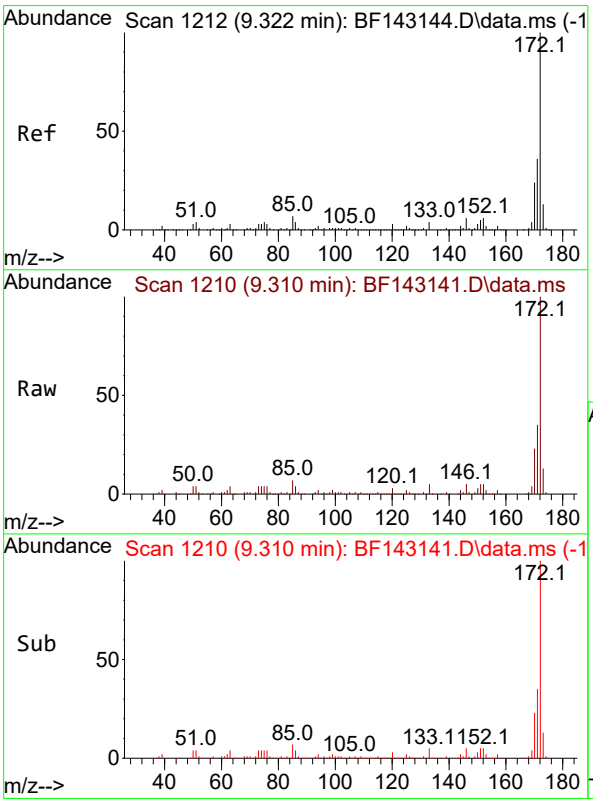
Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	54.7	40.3	60.5
132	29.3	23.1	34.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

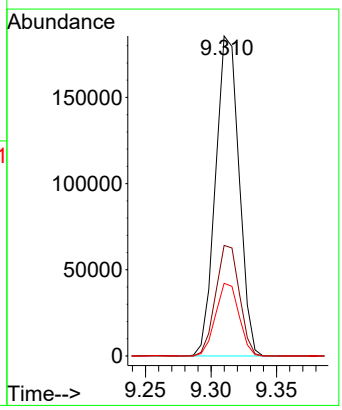
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

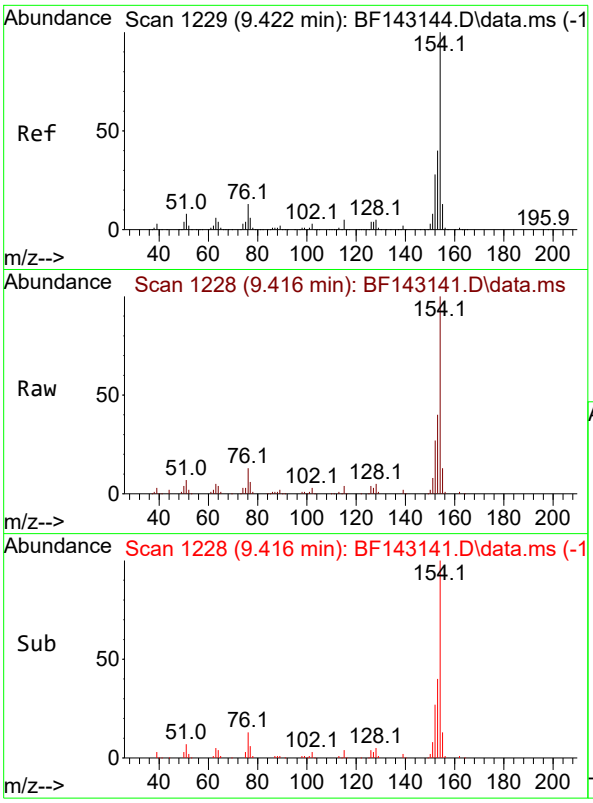


#45
2-Fluorobiphenyl
Concen: 12.043 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:172 Resp: 231962

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	42.8
170	22.7	18.8	28.2

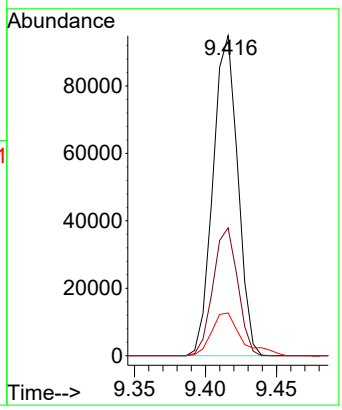




#46
1,1'-Biphenyl
Concen: 5.602 ng
RT: 9.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:154 Resp: 11513

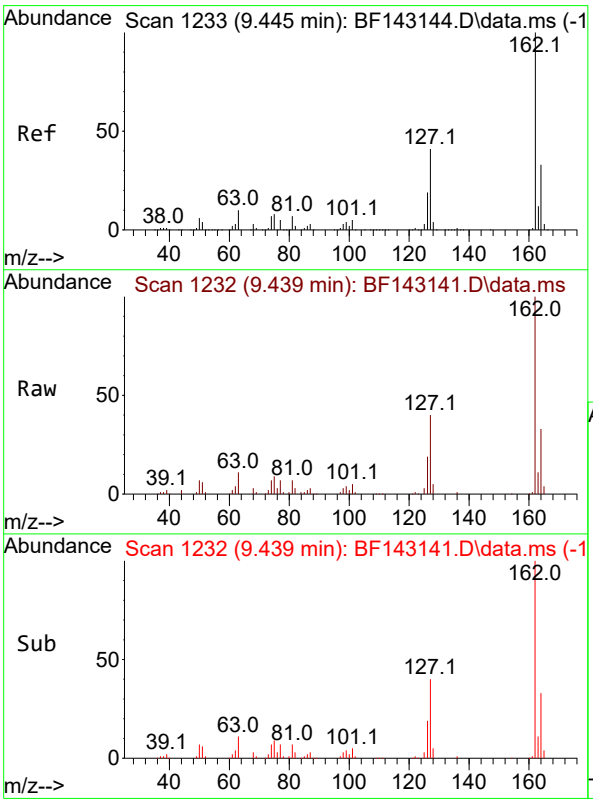
Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.4	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

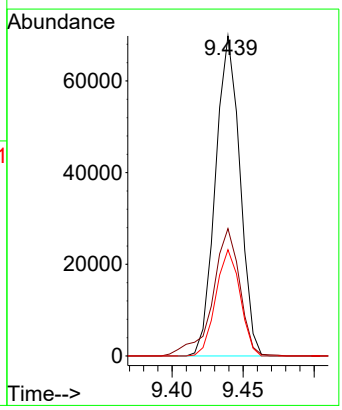
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

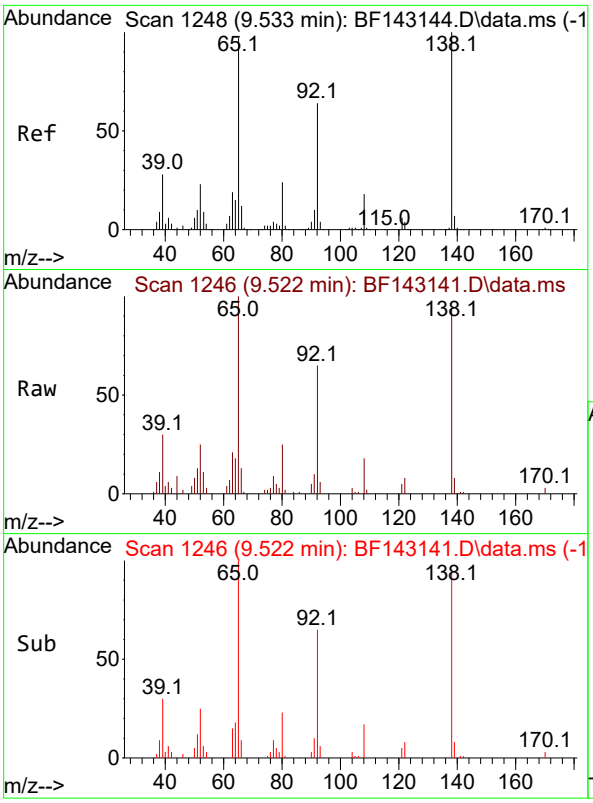


#47
2-Chloronaphthalene
Concen: 5.491 ng
RT: 9.439 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:162 Resp: 83495

Ion	Ratio	Lower	Upper
162	100		
127	39.8	33.4	50.2
164	33.2	26.2	39.2

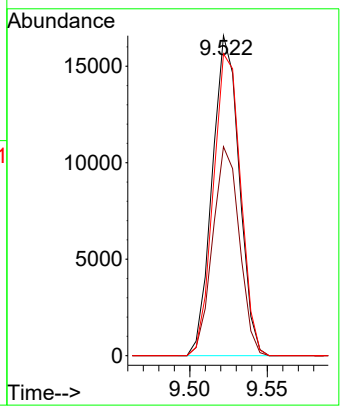




#48
2-Nitroaniline
Concen: 4.210 ng
RT: 9.522 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 65 Resp: 2007

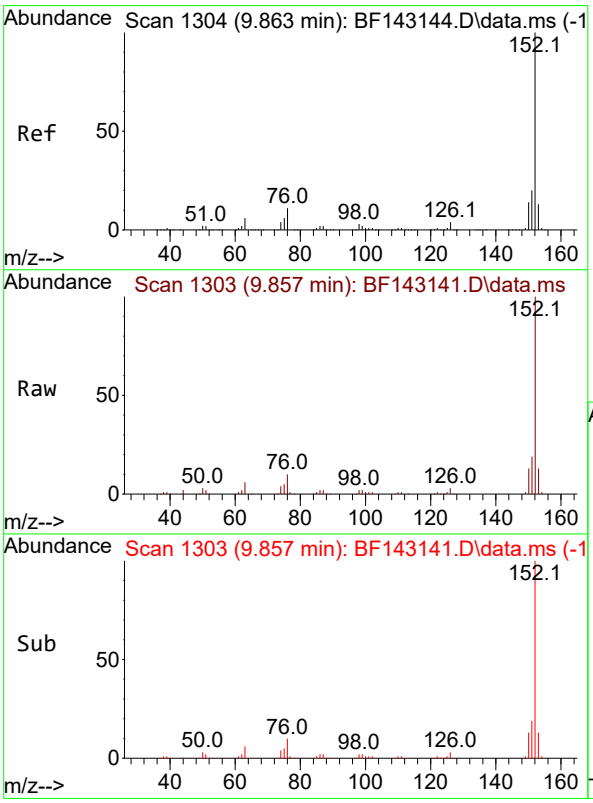
Ion	Ratio	Lower	Upper
65	100		
92	65.3	52.4	78.6
138	94.3	82.3	123.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

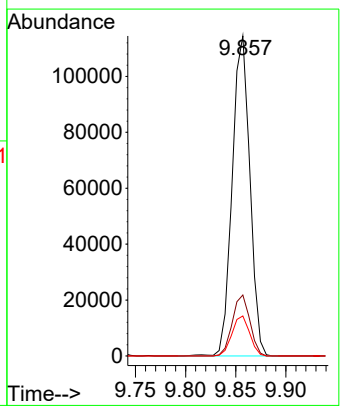
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

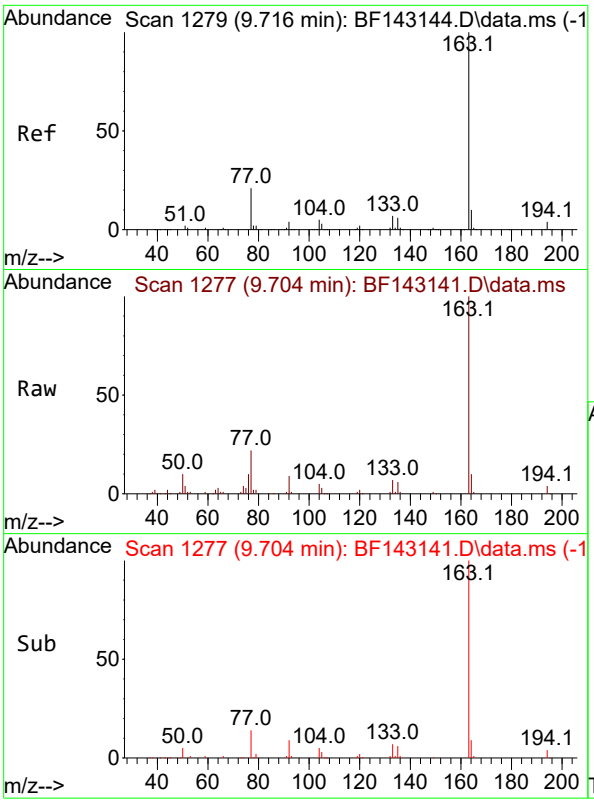


#49
Acenaphthylene
Concen: 5.514 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:152 Resp: 140525

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.2
153	12.5	10.6	16.0

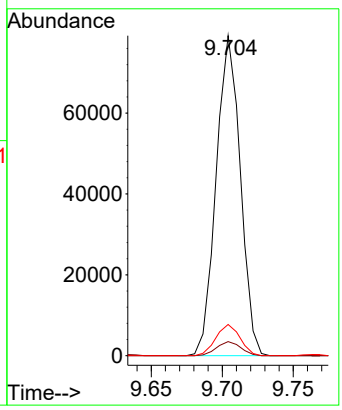




#50
Dimethylphthalate
Concen: 5.452 ng
RT: 9.704 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:163 Resp: 9361

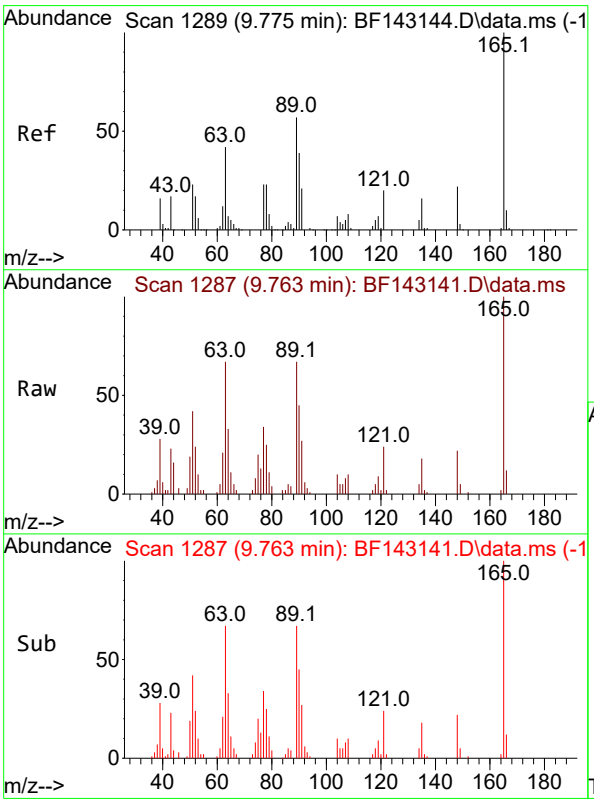
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.8	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

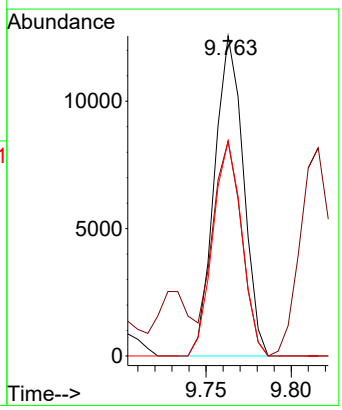
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

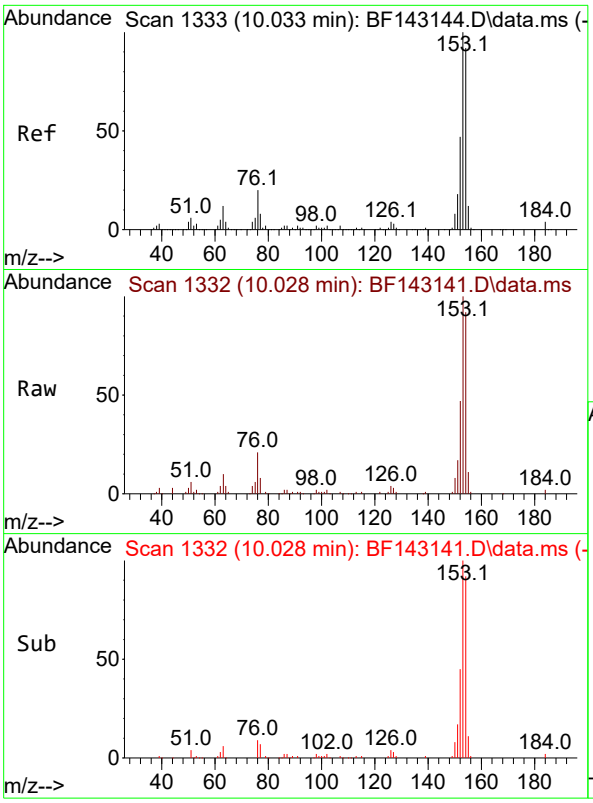


#51
2,6-Dinitrotoluene
Concen: 4.234 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:165 Resp: 14787

Ion	Ratio	Lower	Upper
165	100		
63	67.1	49.4	74.2
89	67.2	46.2	69.2

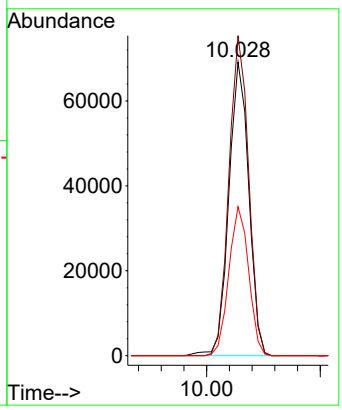




#52
Acenaphthene
Concen: 5.588 ng
RT: 10.028 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:154 Resp: 8416

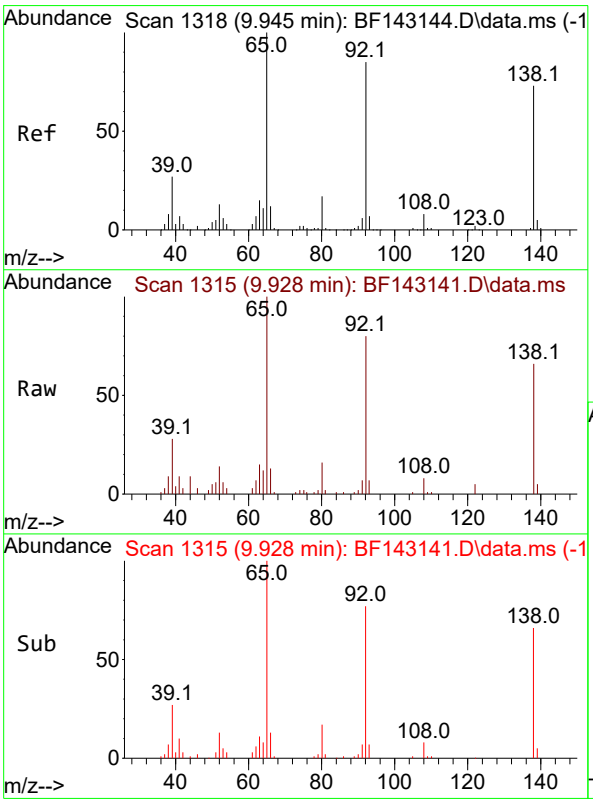
Ion	Ratio	Lower	Upper
154	100		
153	109.0	86.6	129.8
152	50.7	40.4	60.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

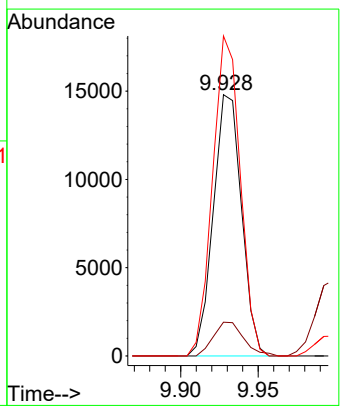
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

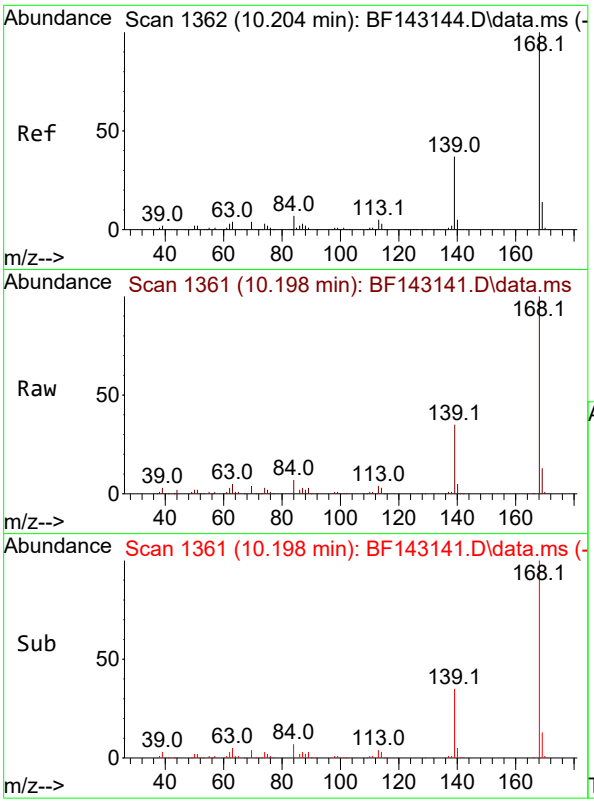


#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:138 Resp: 18738

Ion	Ratio	Lower	Upper
138	100		
108	12.9	9.0	13.6
92	122.5	93.0	139.4

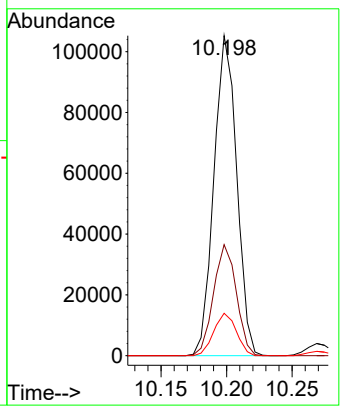




#55
Dibenzofuran
Concen: 5.681 ng
RT: 10.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:168 Resp: 12703

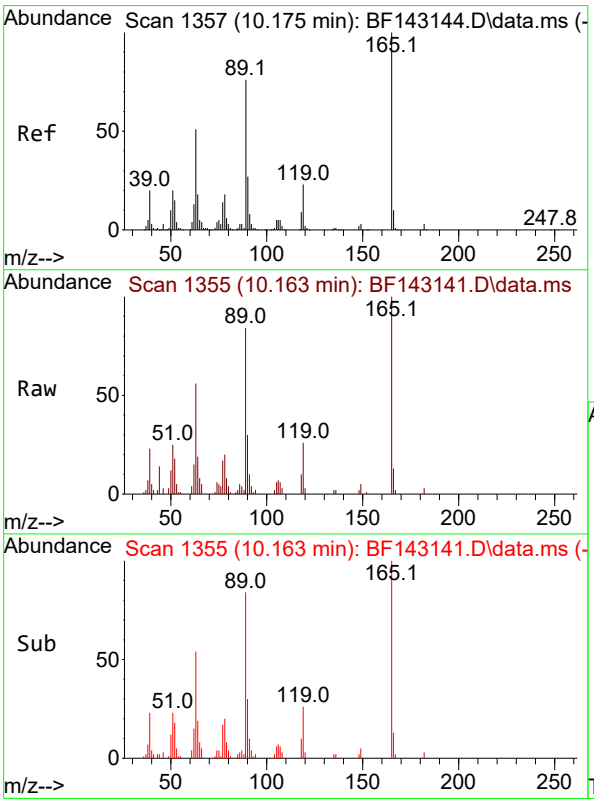
Ion	Ratio	Lower	Upper
168	100		
139	34.7	29.5	44.3
169	13.3	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

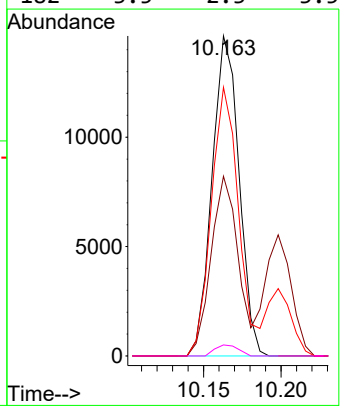
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

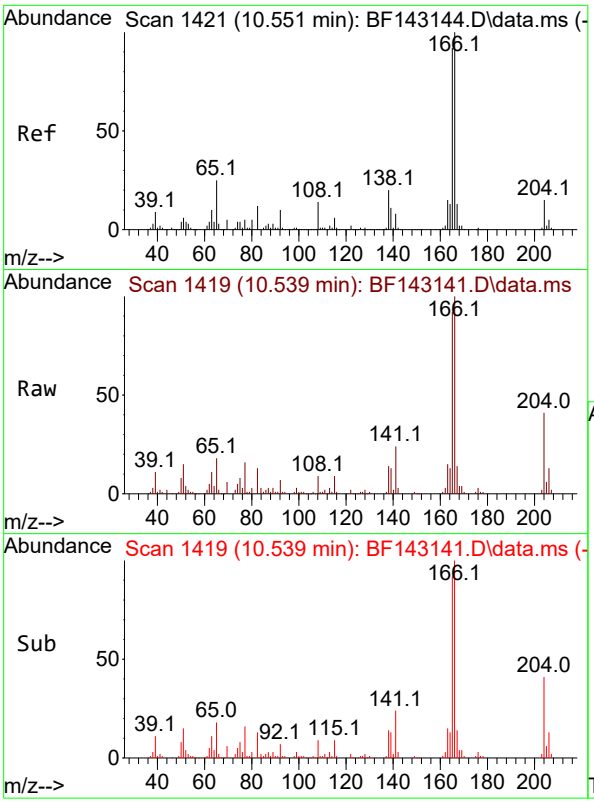


#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 10.163 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:165 Resp: 17709

Ion	Ratio	Lower	Upper
165	100		
63	56.1	41.0	61.4
89	83.9	61.1	91.7
182	3.5	2.3	3.5

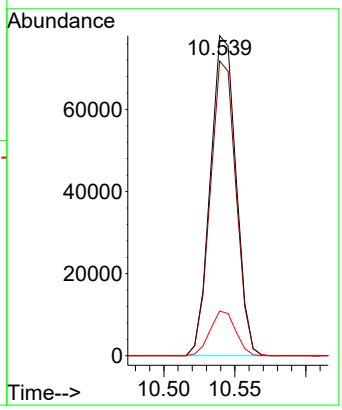




#58
Fluorene
Concen: 5.808 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:166 Resp: 9747

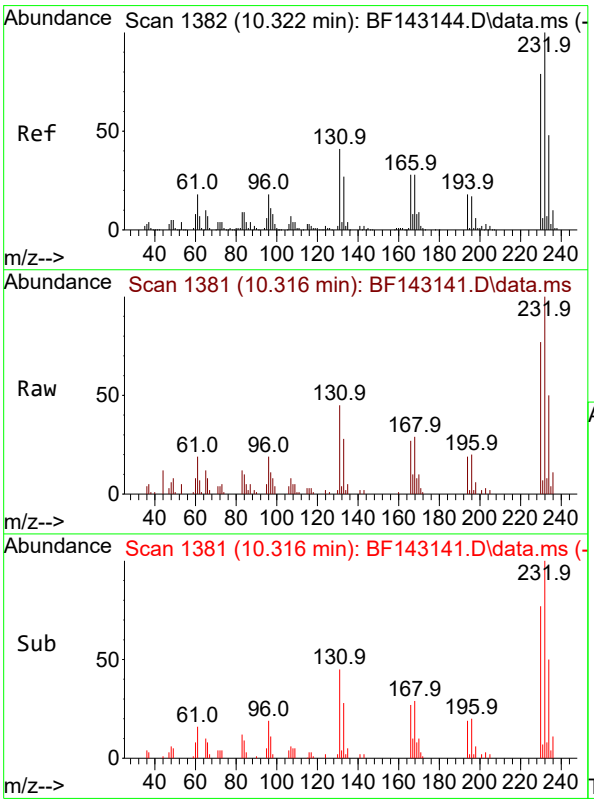
Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	14.0	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

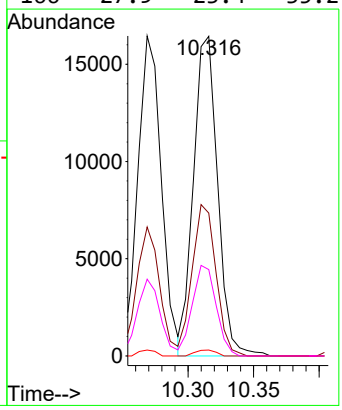
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

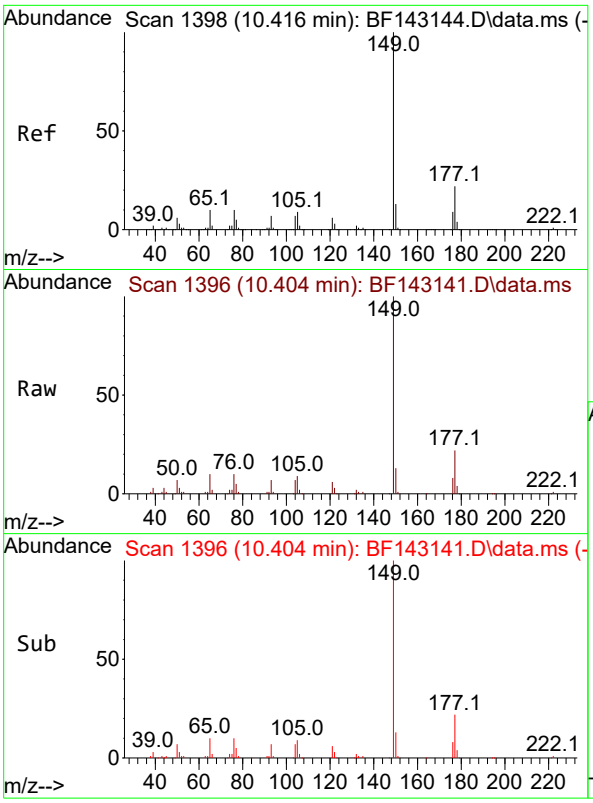


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.840 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:232 Resp: 21108

Ion	Ratio	Lower	Upper
232	100		
131	46.6	35.3	52.9
130	1.6	1.7	2.5#
166	27.9	23.4	35.2

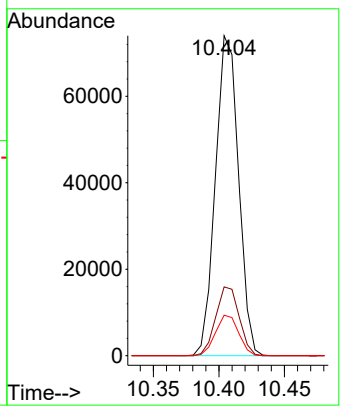




#60
Diethylphthalate
Concen: 5.342 ng
RT: 10.404 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 9065

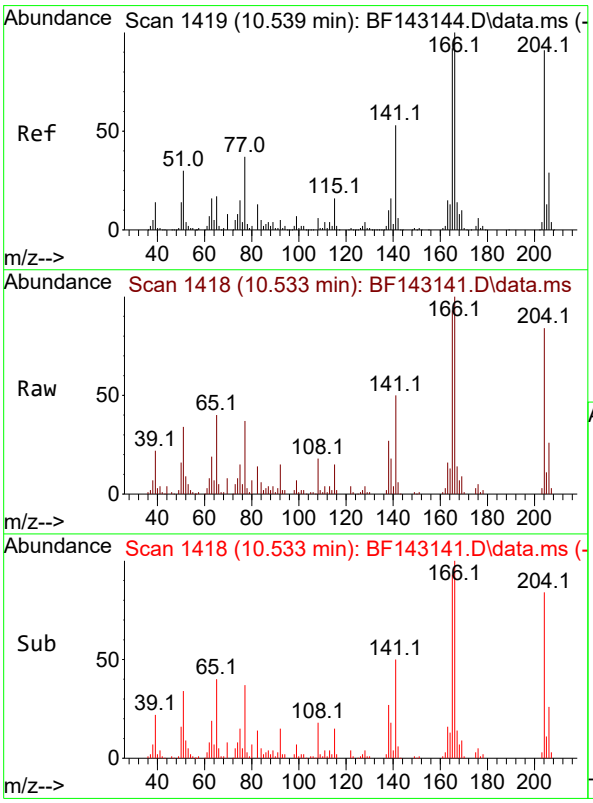
Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.5	26.3
150	12.7	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

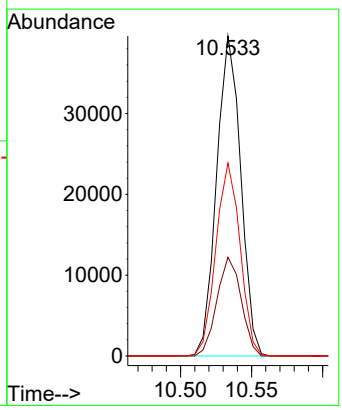
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

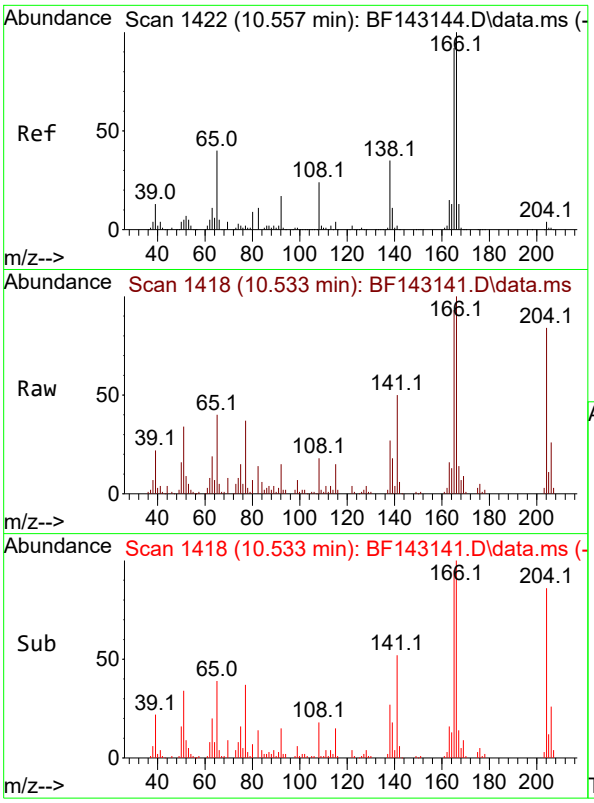


#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:204 Resp: 46747

Ion	Ratio	Lower	Upper
204	100		
206	30.8	25.8	38.8
141	60.2	47.0	70.4

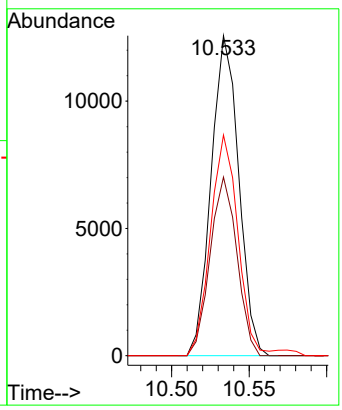




#62
4-Nitroaniline
Concen: 4.446 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:138 Resp: 1556

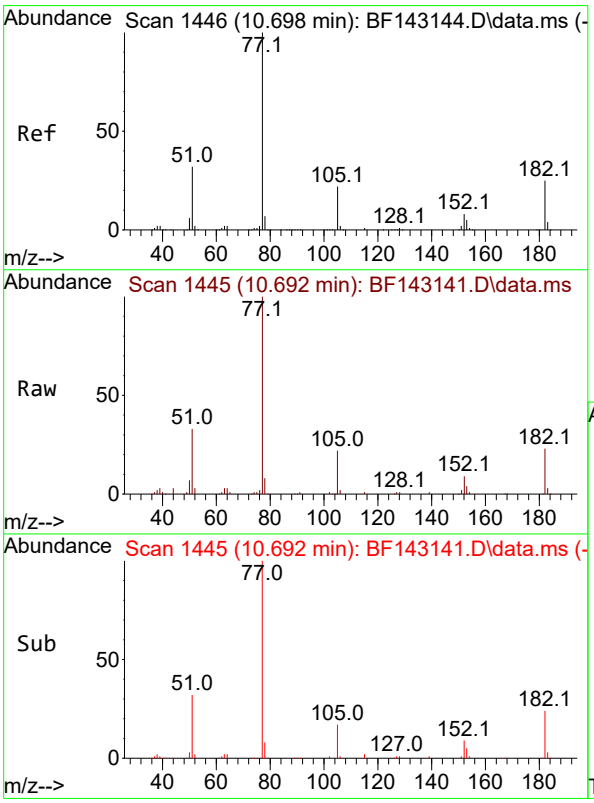
Ion	Ratio	Lower	Upper
138	100		
92	55.8	29.3	69.3
108	68.9	48.3	88.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

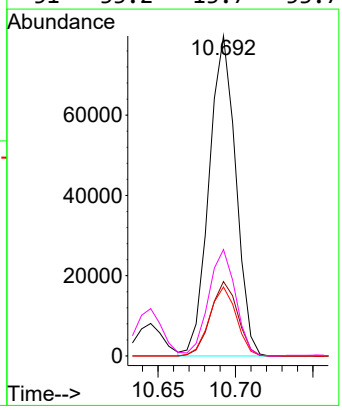
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

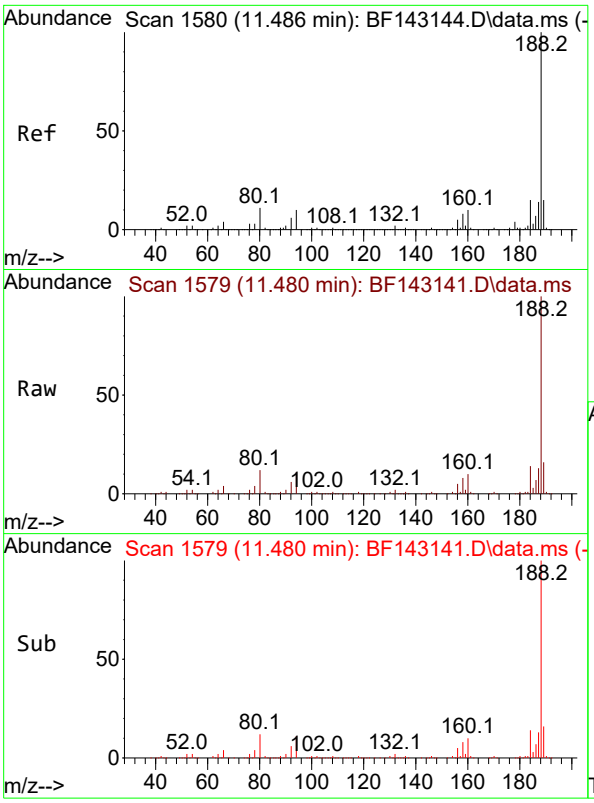


#63
Azobenzene
Concen: 5.405 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 77 Resp: 95602

Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.6	44.6
105	21.5	1.4	41.4
51	33.2	13.7	53.7

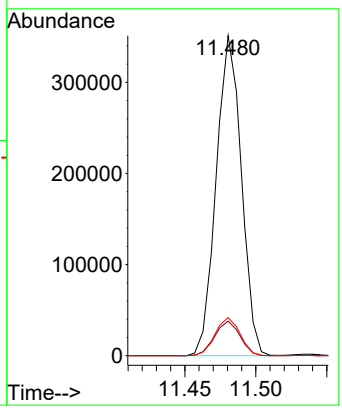




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:188 Resp: 43232

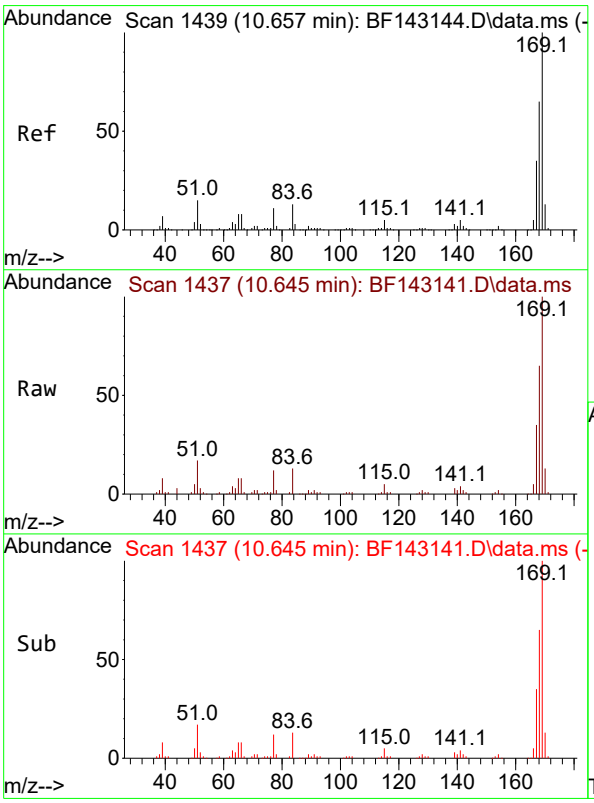
Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.9	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

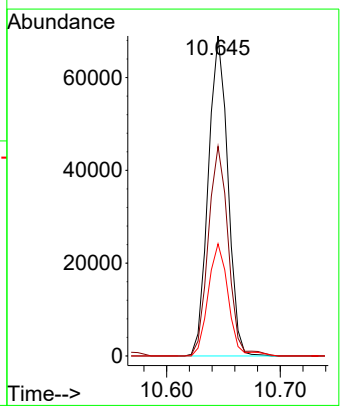
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

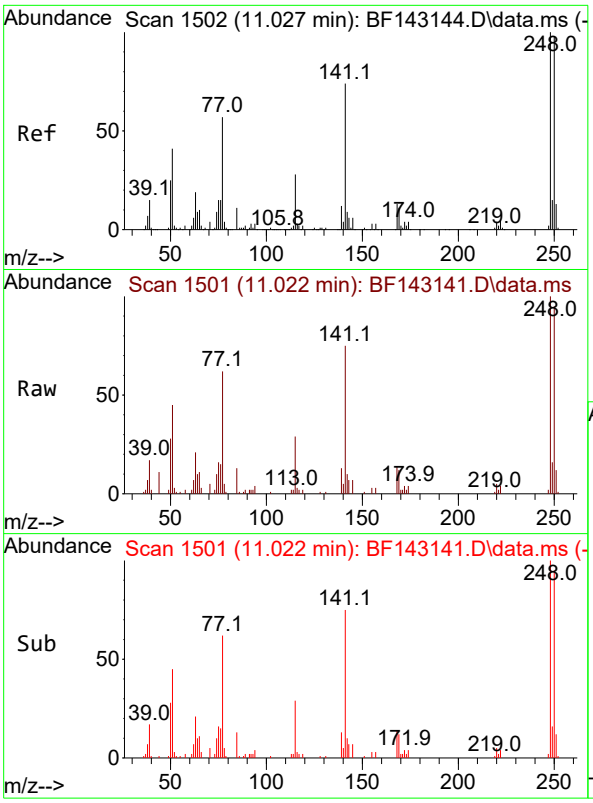


#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:169 Resp: 82281

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.1	78.1
167	35.1	28.2	42.2

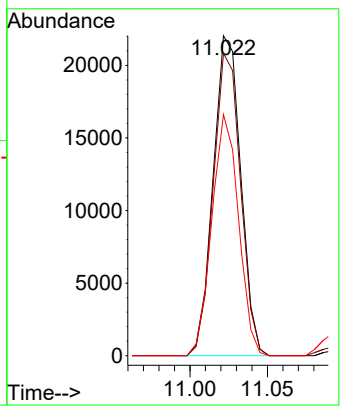




#67
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:248 Resp: 2725

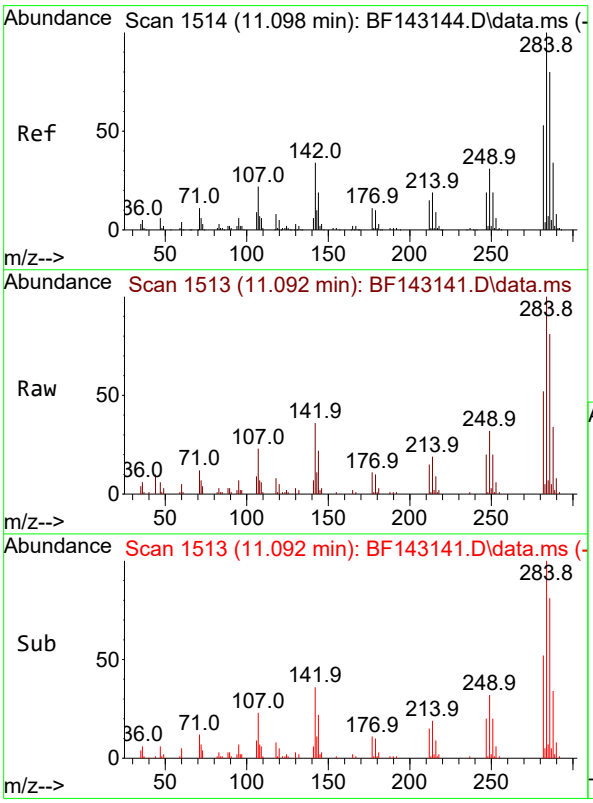
Ion	Ratio	Lower	Upper
248	100		
250	94.5	78.3	117.5
141	75.4	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

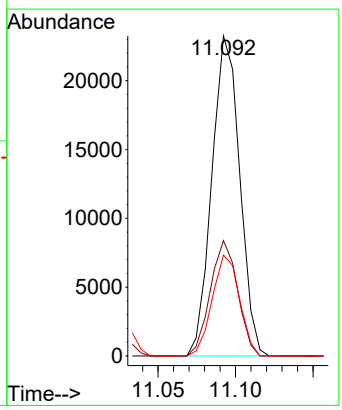
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

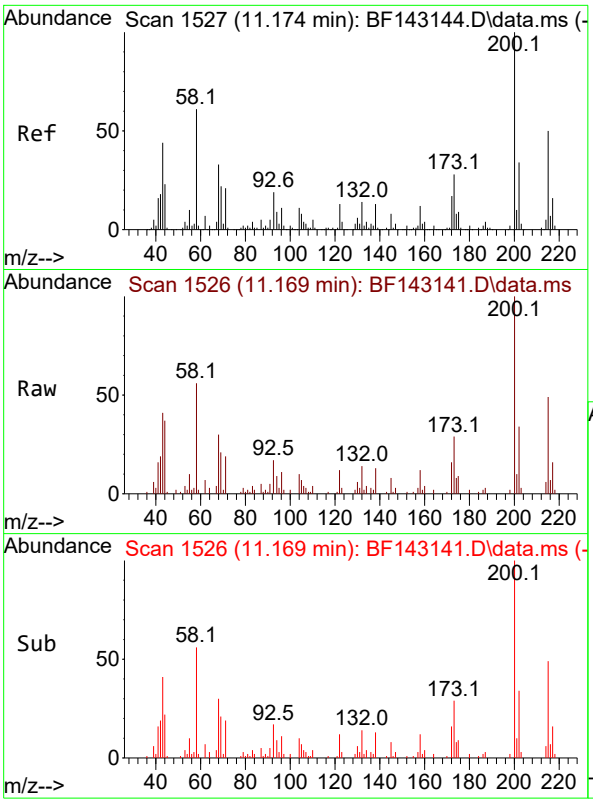


#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:284 Resp: 29052

Ion	Ratio	Lower	Upper
284	100		
142	36.1	27.0	40.6
249	31.5	25.0	37.6

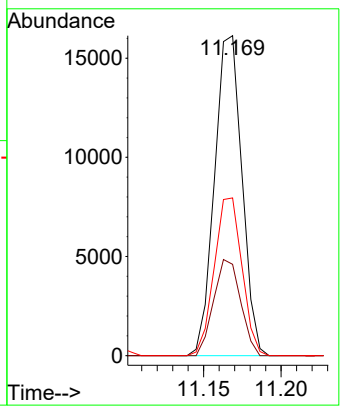




#69
Atrazine
Concen: 4.733 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:200 Resp: 1986

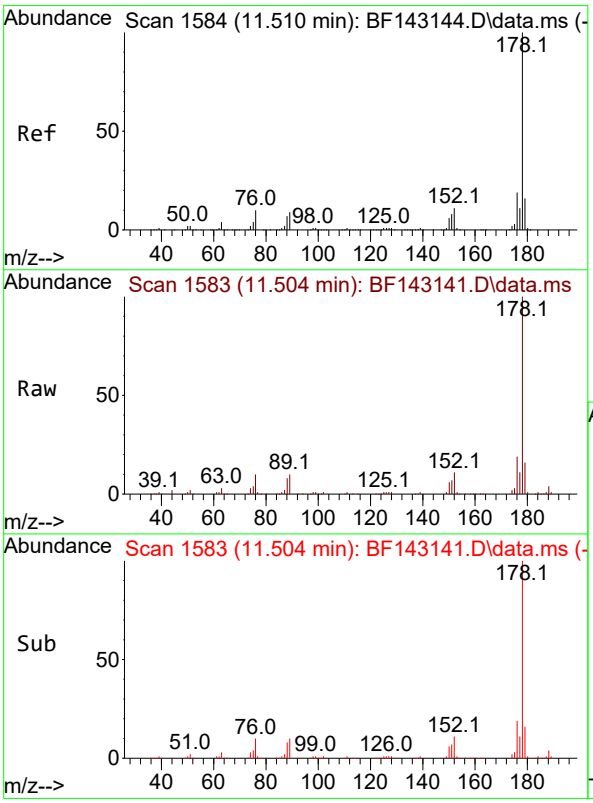
Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.9	47.9
215	49.3	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

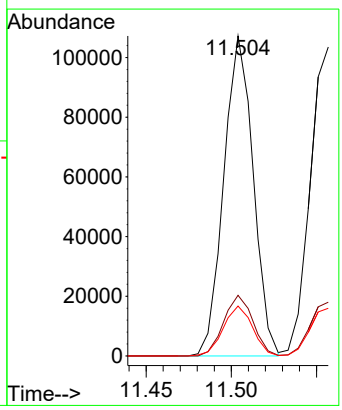
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

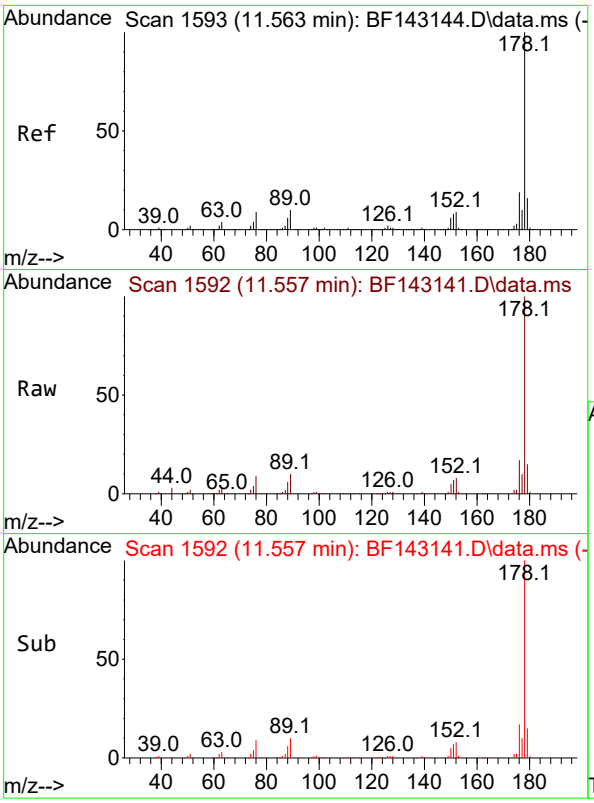


#71
Phenanthrene
Concen: 5.609 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:178 Resp: 128762

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.6	12.5	18.7

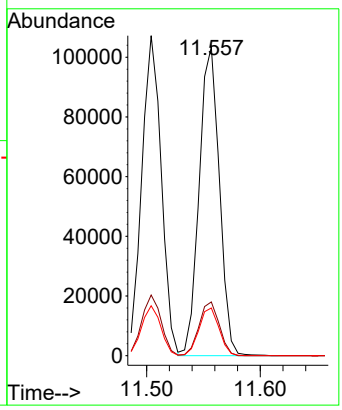




#72
Anthracene
Concen: 5.465 ng
RT: 11.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:178 Resp: 12793

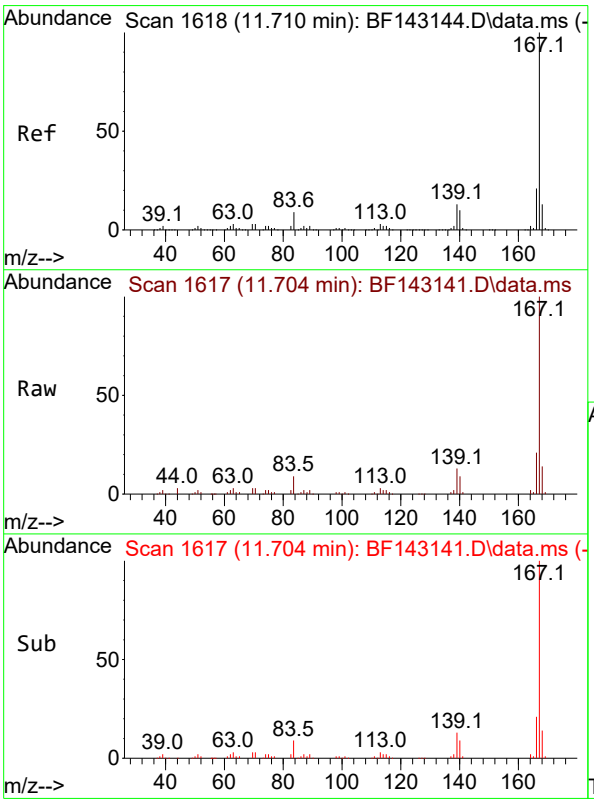
Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	15.4	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

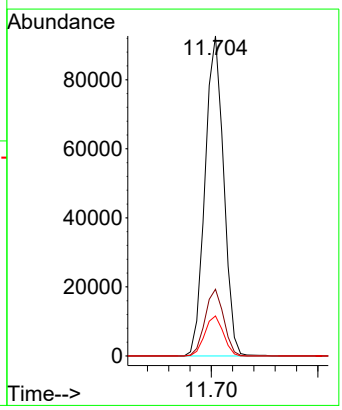
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

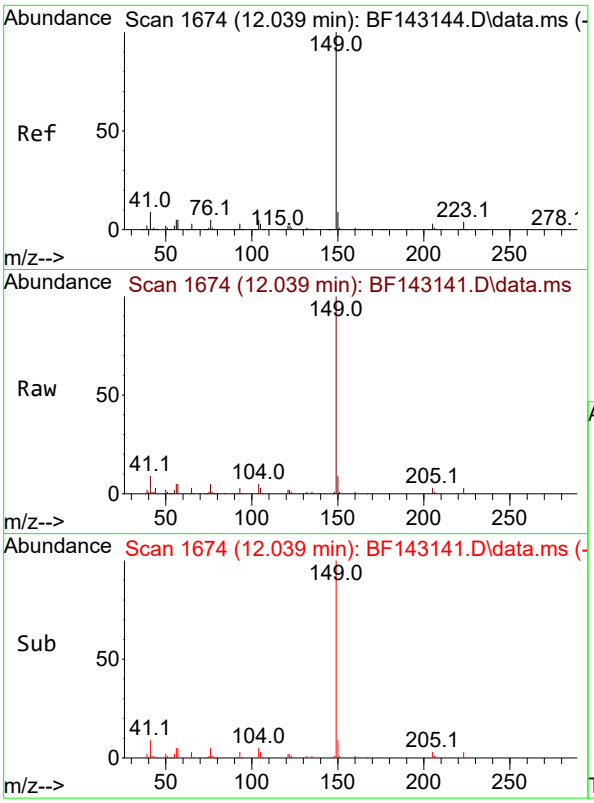


#73
Carbazole
Concen: 5.507 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:167 Resp: 112588

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	12.5	10.0	15.0

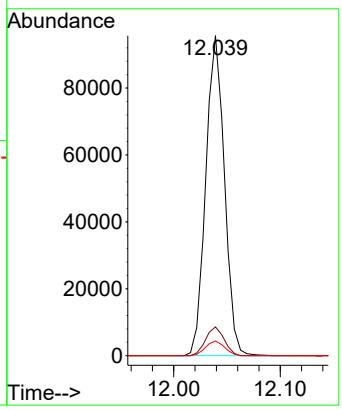




#74
Di-n-butylphthalate
Concen: 5.027 ng
RT: 12.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 11629

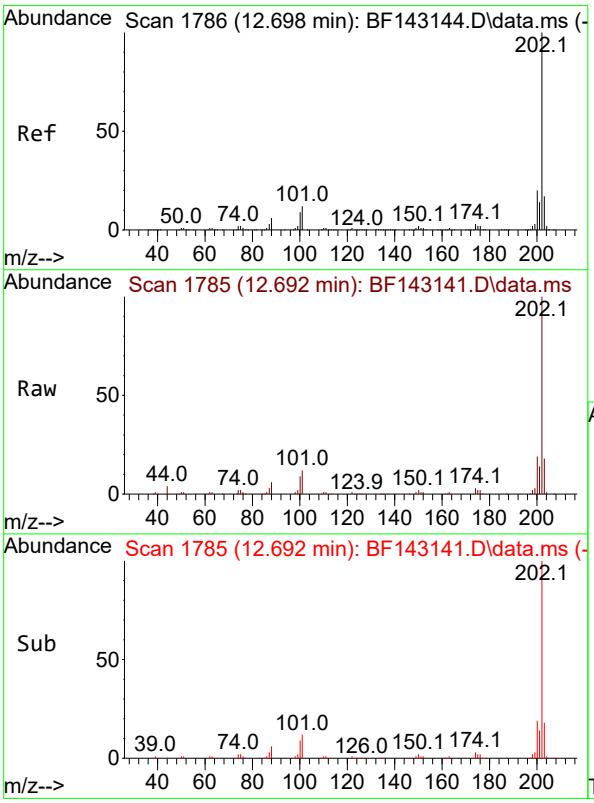
Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.6	3.8	5.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

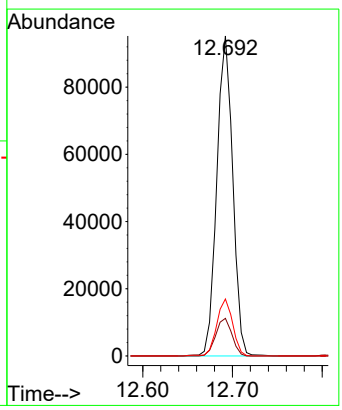
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

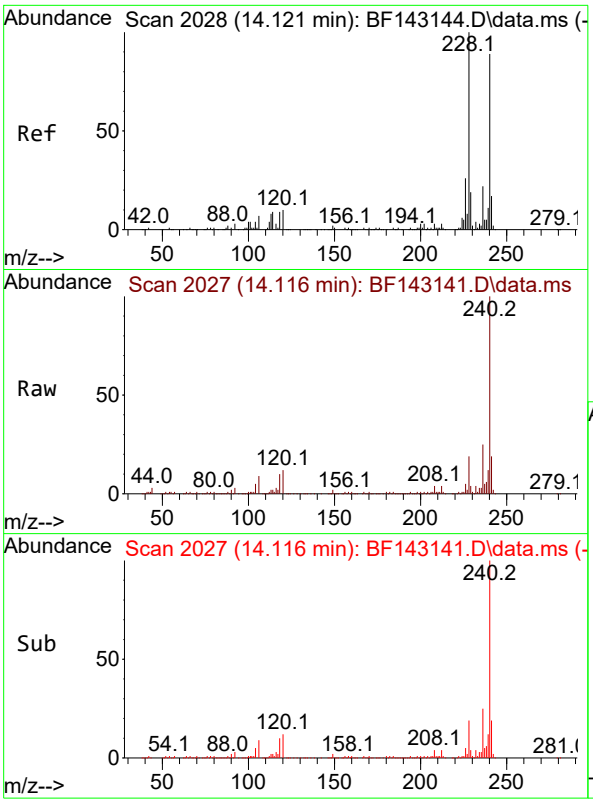


#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 117249

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.8	0.0	37.4

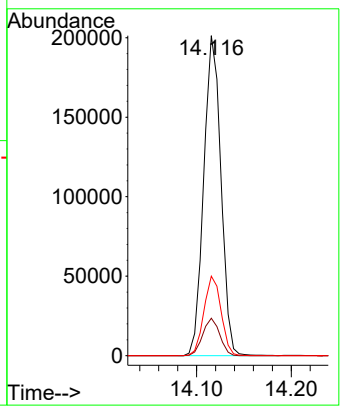




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:240 Resp: 25300

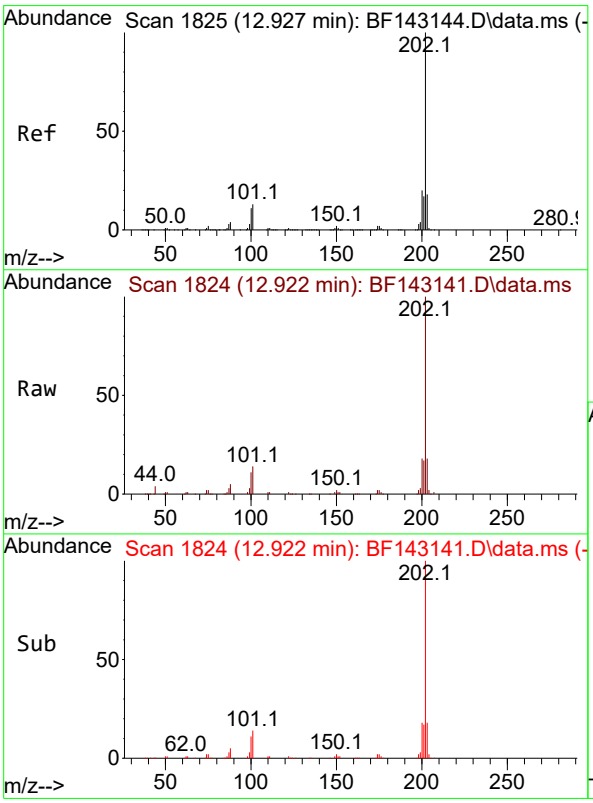
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.4	14.2
236	24.9	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

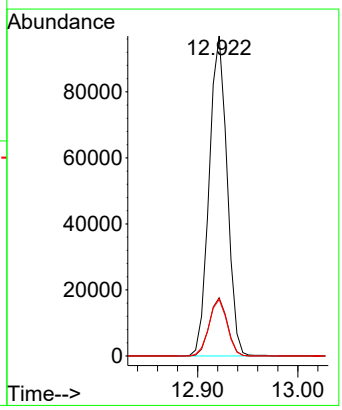
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

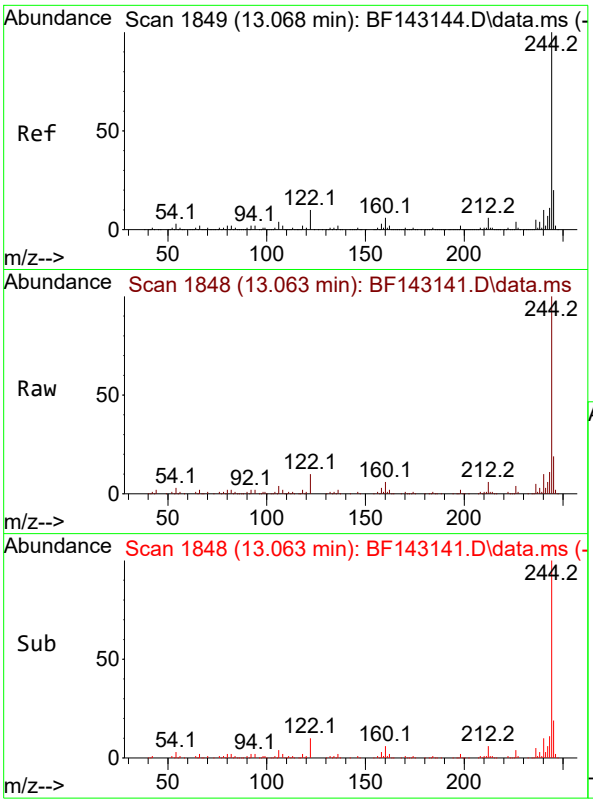


#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 120767

Ion	Ratio	Lower	Upper
202	100		
200	18.2	15.7	23.5
203	17.6	14.2	21.2

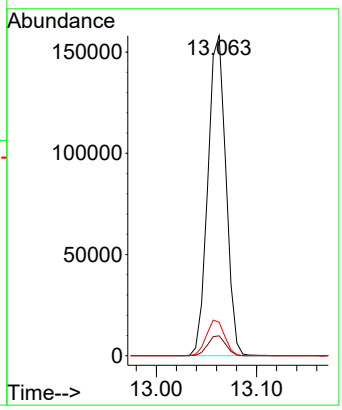




#79
Terphenyl-d14
Concen: 11.656 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:244 Resp: 19816

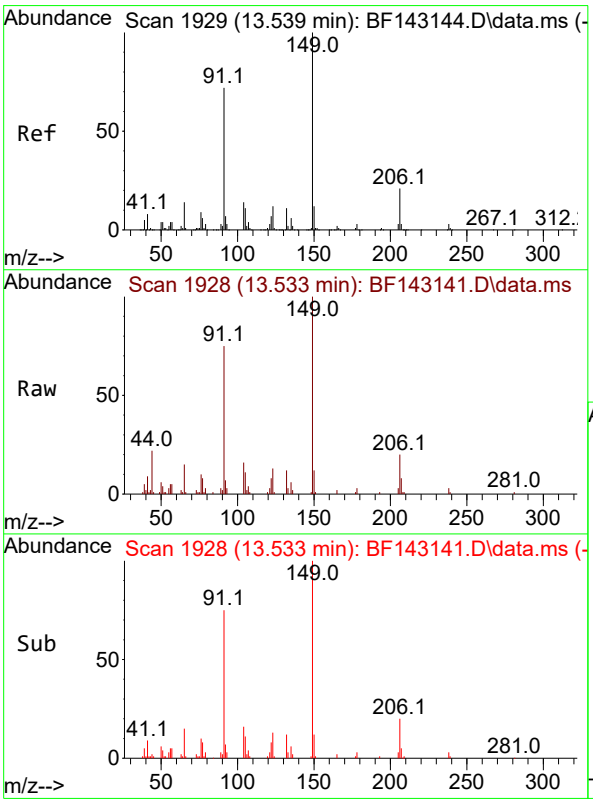
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.2	7.8
122	10.5	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

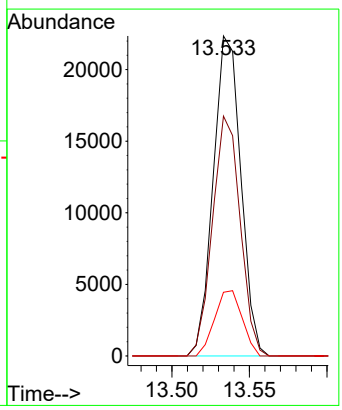
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

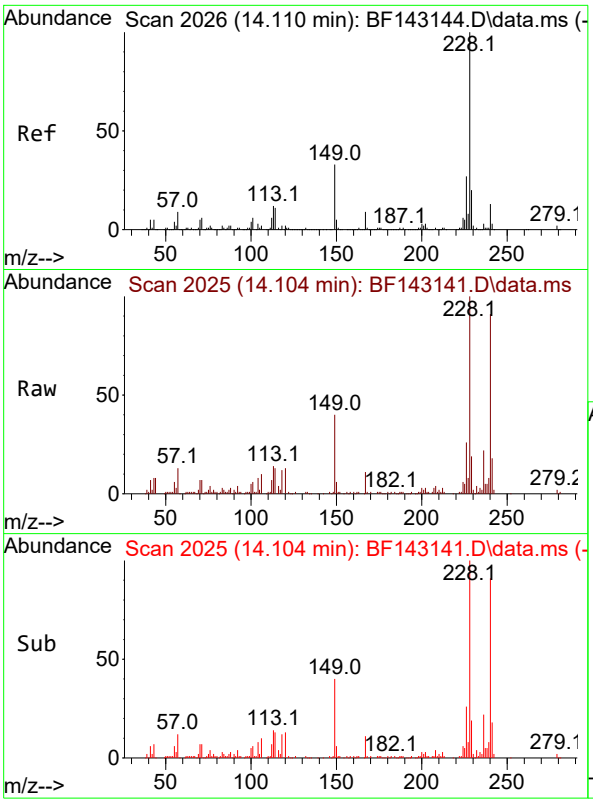


#80
Butylbenzylphthalate
Concen: 4.189 ng
RT: 13.533 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 27699

Ion	Ratio	Lower	Upper
149	100		
91	74.9	57.9	86.9
206	19.9	17.0	25.4

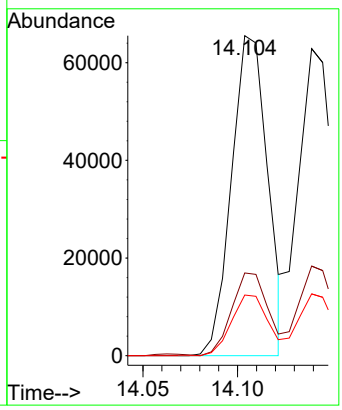




#81
Benzo(a)anthracene
Concen: 5.131 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:228 Resp: 8692

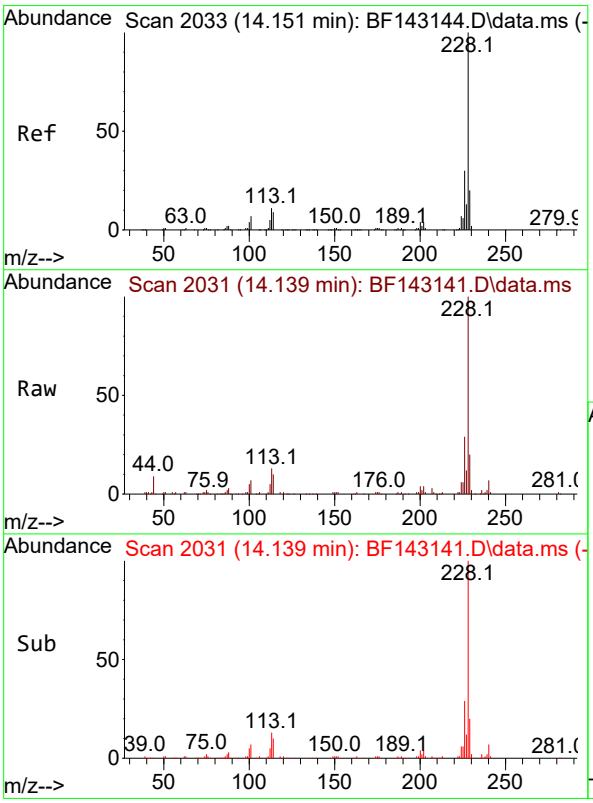
Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.7	32.5
229	19.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

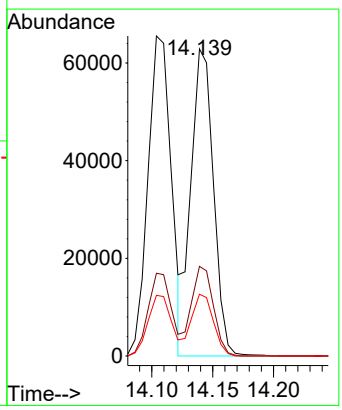
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

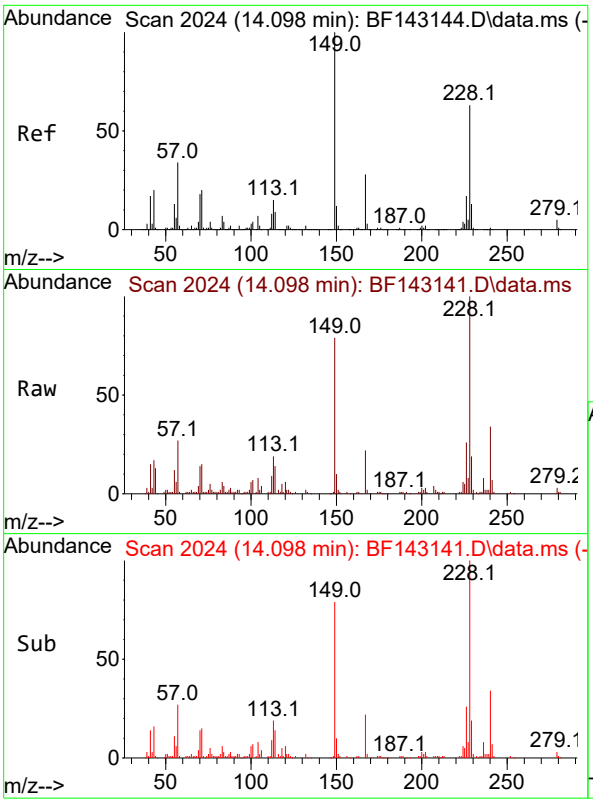


#83
Chrysene
Concen: 5.325 ng
RT: 14.139 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:228 Resp: 81091

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.8
229	20.1	15.6	23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.370 ng
RT: 14.098 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

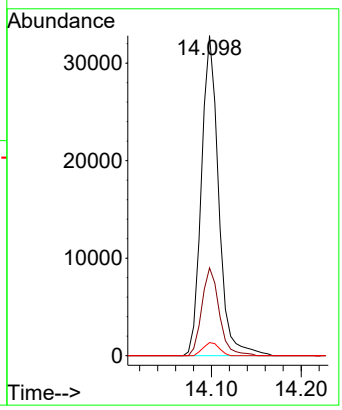
Tgt Ion:149 Resp: 4373

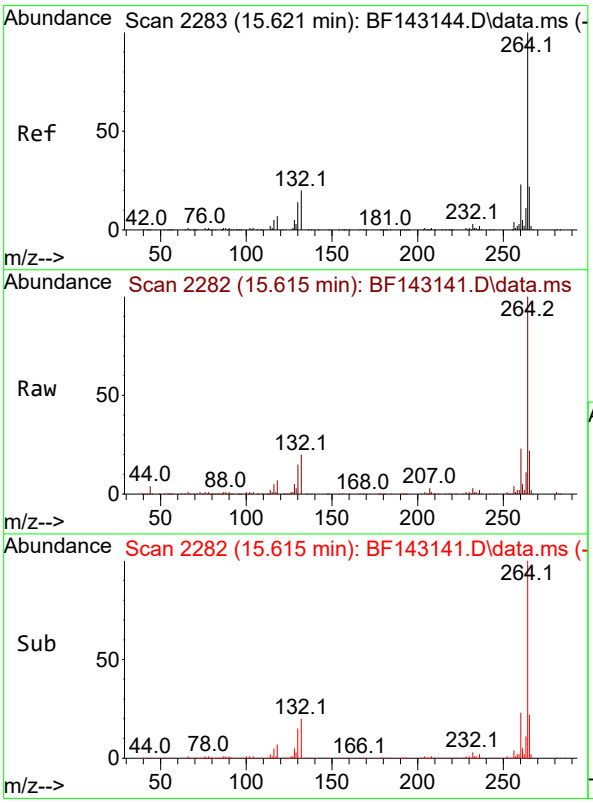
Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.3	33.5
279	4.1	3.6	5.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

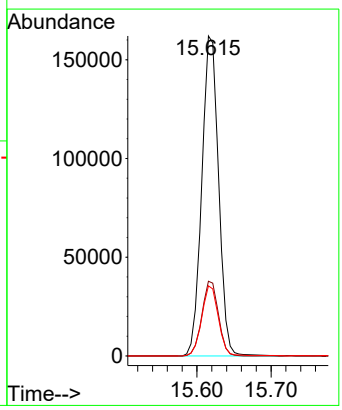


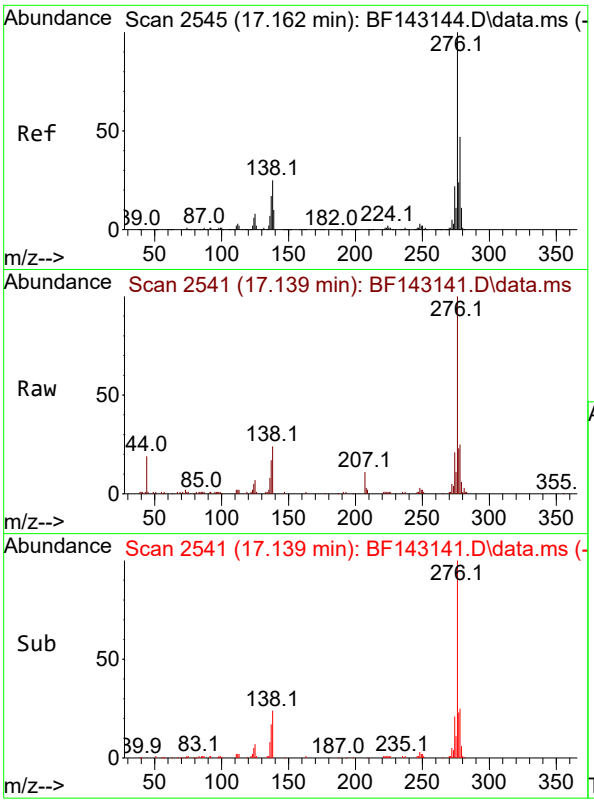


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:264 Resp: 255898

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.9	17.4	26.2

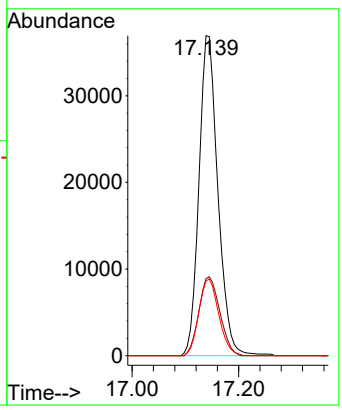




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.047 ng
RT: 17.139 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:276 Resp: 9107

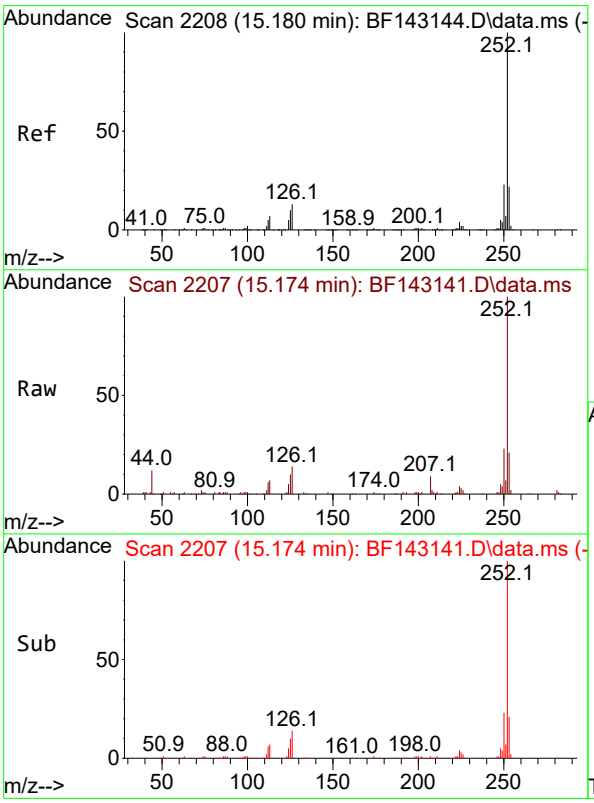
Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	25.2	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

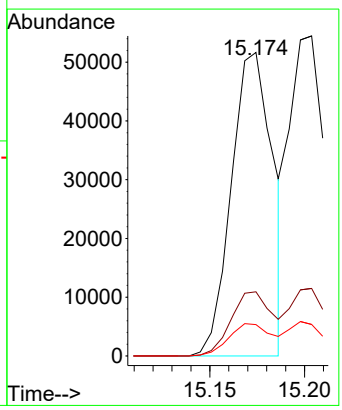
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

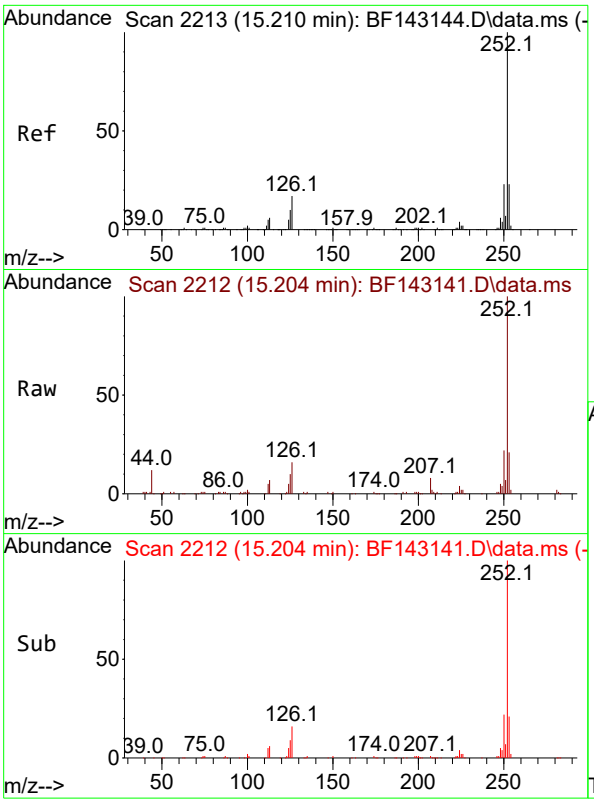


#88
Benzo(b)fluoranthene
Concen: 5.037 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 78749

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	10.3	8.0	12.0

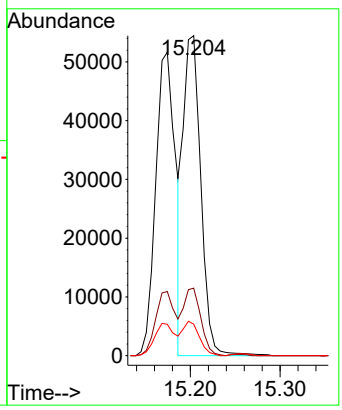




#89
Benzo(k)fluoranthene
Concen: 5.358 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 7473

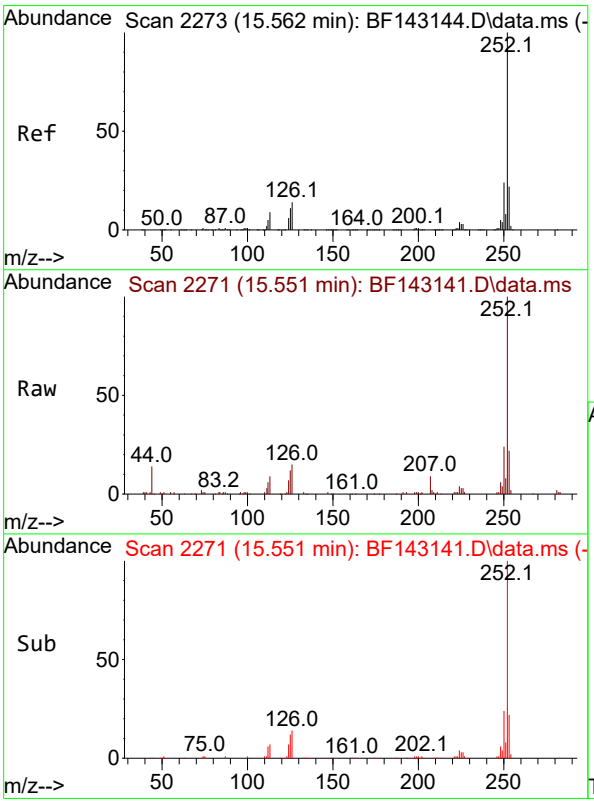
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.6
125	9.9	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

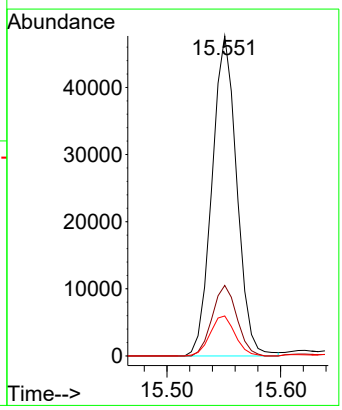
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

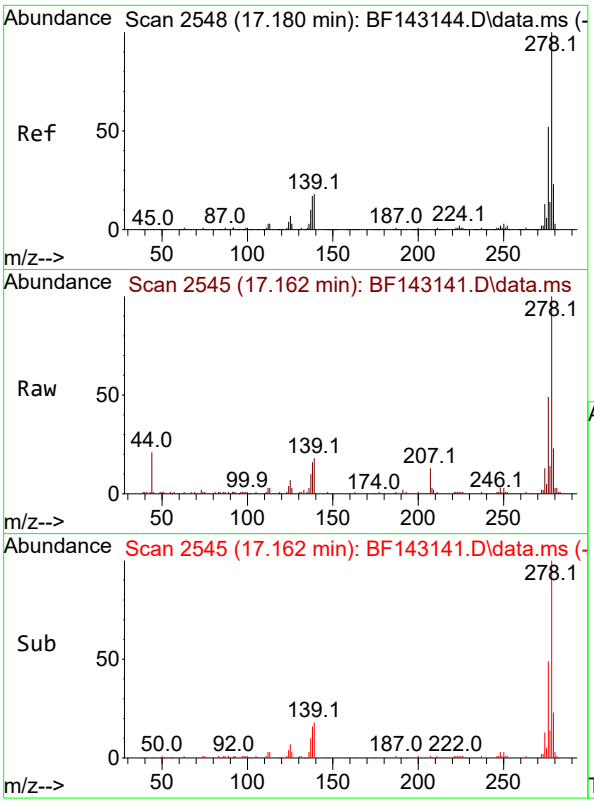


#90
Benzo(a)pyrene
Concen: 5.012 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 72196

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	12.5	8.6	13.0

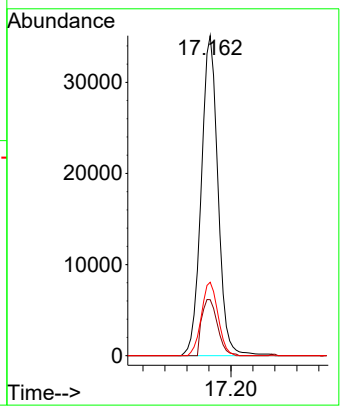




#91
Dibenzo(a,h)anthracene
Concen: 5.047 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:278 Resp: 7412

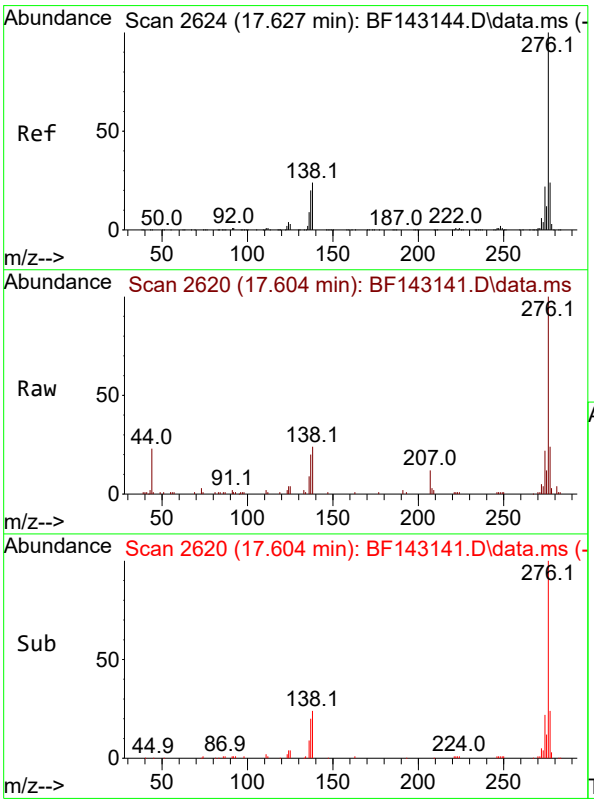
Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.1	21.1
279	22.9	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

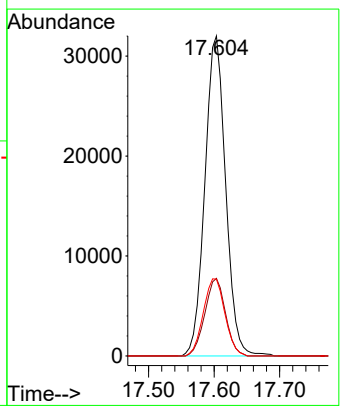
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 4.955 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:276 Resp: 70403

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	24.0	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143142.D
Acq On : 17 Jul 2025 12:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	140410	20.000	ng		0.00
21) Naphthalene-d8	8.239	136	545730	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	282580	20.000	ng		0.00
64) Phenanthrene-d10	11.480	188	461255	20.000	ng		0.00
76) Chrysene-d12	14.116	240	254650	20.000	ng		0.00
86) Perylene-d12	15.621	264	273706	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	184363	20.778	ng		0.00
7) Phenol-d6	6.569	99	230206	20.613	ng		-0.02
23) Nitrobenzene-d5	7.510	82	215086m	19.646	ng		-0.01
42) 2,4,6-Tribromophenol	10.780	330	56961	19.512	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	464669	22.489	ng		0.00
79) Terphenyl-d14	13.063	244	370808	21.669	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	40860	9.732	ng		98
3) Pyridine	3.587	79	109317	10.032	ng		100
4) n-Nitrosodimethylamine	3.510	42	54487	9.684	ng		98
6) Aniline	6.616	93	158580	10.188	ng		99
8) 2-Chlorophenol	6.740	128	94265	10.135	ng		98
9) Benzaldehyde	6.510	77	81897	9.779	ng		100
10) Phenol	6.587	94	124080m	10.198	ng		
11) bis(2-Chloroethyl)ether	6.687	93	94260	10.119	ng		99
12) 1,3-Dichlorobenzene	6.904	146	106226	10.514	ng		97
13) 1,4-Dichlorobenzene	6.981	146	106581	10.475	ng		99
14) 1,2-Dichlorobenzene	7.134	146	99226	10.253	ng		99
15) Benzyl Alcohol	7.087	79	85240	9.996	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	179226	10.371	ng		99
17) 2-Methylphenol	7.198	107	78001	9.974	ng		99
18) Hexachloroethane	7.481	117	34985	9.932	ng		99
19) n-Nitroso-di-n-propyla...	7.357	70	73815	10.302	ng		97
20) 3+4-Methylphenols	7.345	107	103018	10.858	ng		91
22) Acetophenone	7.357	105	137532	10.645	ng	#	98
24) Nitrobenzene	7.534	77	100837	9.879	ng		98
25) Isophorone	7.769	82	192895	9.981	ng		100
26) 2-Nitrophenol	7.851	139	38451	8.680	ng		96
27) 2,4-Dimethylphenol	7.881	122	92724	10.269	ng		98
28) bis(2-Chloroethoxy)met...	7.981	93	119320	10.297	ng		98
29) 2,4-Dichlorophenol	8.087	162	76847	10.091	ng		98
30) 1,2,4-Trichlorobenzene	8.181	180	83842	10.191	ng		100
31) Naphthalene	8.263	128	283107	10.534	ng		99
32) Benzoic acid	7.928	122	28431m	10.113	ng		
33) 4-Chloroaniline	8.304	127	113797	10.369	ng		100
34) Hexachlorobutadiene	8.386	225	51715	10.290	ng		99
35) Caprolactam	8.634	113	21157	9.194	ng		95
36) 4-Chloro-3-methylphenol	8.775	107	84647	10.227	ng		98
37) 2-Methylnaphthalene	8.951	142	172865	10.570	ng		100
38) 1-Methylnaphthalene	9.051	142	177917	10.564	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	84494	10.357	ng		99
41) Hexachlorocyclopentadiene	9.116	237	47577	8.963	ng		99
43) 2,4,6-Trichlorophenol	9.228	196	57396	10.165	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143142.D
Acq On : 17 Jul 2025 12:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	54716	9.688	ng		97
46) 1,1'-Biphenyl	9.416	154	235467	10.680	ng		100
47) 2-Chloronaphthalene	9.439	162	172831	10.595	ng		98
48) 2-Nitroaniline	9.528	65	47055	9.198	ng		99
49) Acenaphthylene	9.857	152	289989	10.607	ng		98
50) Dimethylphthalate	9.704	163	189399	10.283	ng		99
51) 2,6-Dinitrotoluene	9.763	165	35364	9.438	ng		93
52) Acenaphthene	10.028	154	168698	10.440	ng		99
53) 3-Nitroaniline	9.933	138	42367	9.667	ng		97
54) 2,4-Dinitrophenol	10.033	184	7147	10.522	ng	#	1
55) Dibenzofuran	10.198	168	255272	10.641	ng		99
56) 4-Nitrophenol	10.075	139	28233	8.627	ng		98
57) 2,4-Dinitrotoluene	10.169	165	41815	8.895	ng		98
58) Fluorene	10.545	166	198041	10.999	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	46720	9.986	ng		99
60) Diethylphthalate	10.410	149	186802	10.261	ng		99
61) 4-Chlorophenyl-phenyle...	10.533	204	94685	10.561	ng		97
62) 4-Nitroaniline	10.539	138	35962	9.574	ng		98
63) Azobenzene	10.692	77	197998	10.435	ng		99
65) 4,6-Dinitro-2-methylph...	10.575	198	12541	10.014	ng		94
66) n-Nitrosodiphenylamine	10.645	169	167901	10.337	ng		100
67) 4-Bromophenyl-phenylether	11.022	248	54849	9.978	ng		97
68) Hexachlorobenzene	11.092	284	57305	9.974	ng		97
69) Atrazine	11.169	200	43045	9.613	ng		98
70) Pentachlorophenol	11.280	266	27529	8.148	ng		99
71) Phenanthrene	11.504	178	253750	10.361	ng		99
72) Anthracene	11.557	178	261960	10.487	ng		99
73) Carbazole	11.704	167	223376	10.241	ng		100
74) Di-n-butylphthalate	12.039	149	243142	9.852	ng		100
75) Fluoranthene	12.692	202	227701	10.129	ng		99
77) Benzidine	12.804	184	96484	9.834	ng		99
78) Pyrene	12.922	202	227008	10.445	ng		100
80) Butylbenzylphthalate	13.539	149	60055	9.024	ng		98
81) Benzo(a)anthracene	14.110	228	174020	10.207	ng		99
82) 3,3'-Dichlorobenzidine	14.063	252	55694	9.802	ng		97
83) Chrysene	14.145	228	149446	9.750	ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	96191	9.549	ng		97
85) Di-n-octyl phthalate	14.710	149	162156	8.881	ng		99
87) Indeno(1,2,3-cd)pyrene	17.145	276	182869	9.475	ng		99
88) Benzo(b)fluoranthene	15.174	252	155430	9.296	ng		99
89) Benzo(k)fluoranthene	15.204	252	157663	10.567	ng		100
90) Benzo(a)pyrene	15.551	252	150853	9.792	ng		99
91) Dibenzo(a,h)anthracene	17.162	278	150977	9.611	ng		100
92) Benzo(g,h,i)perylene	17.609	276	143342	9.433	ng		99

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

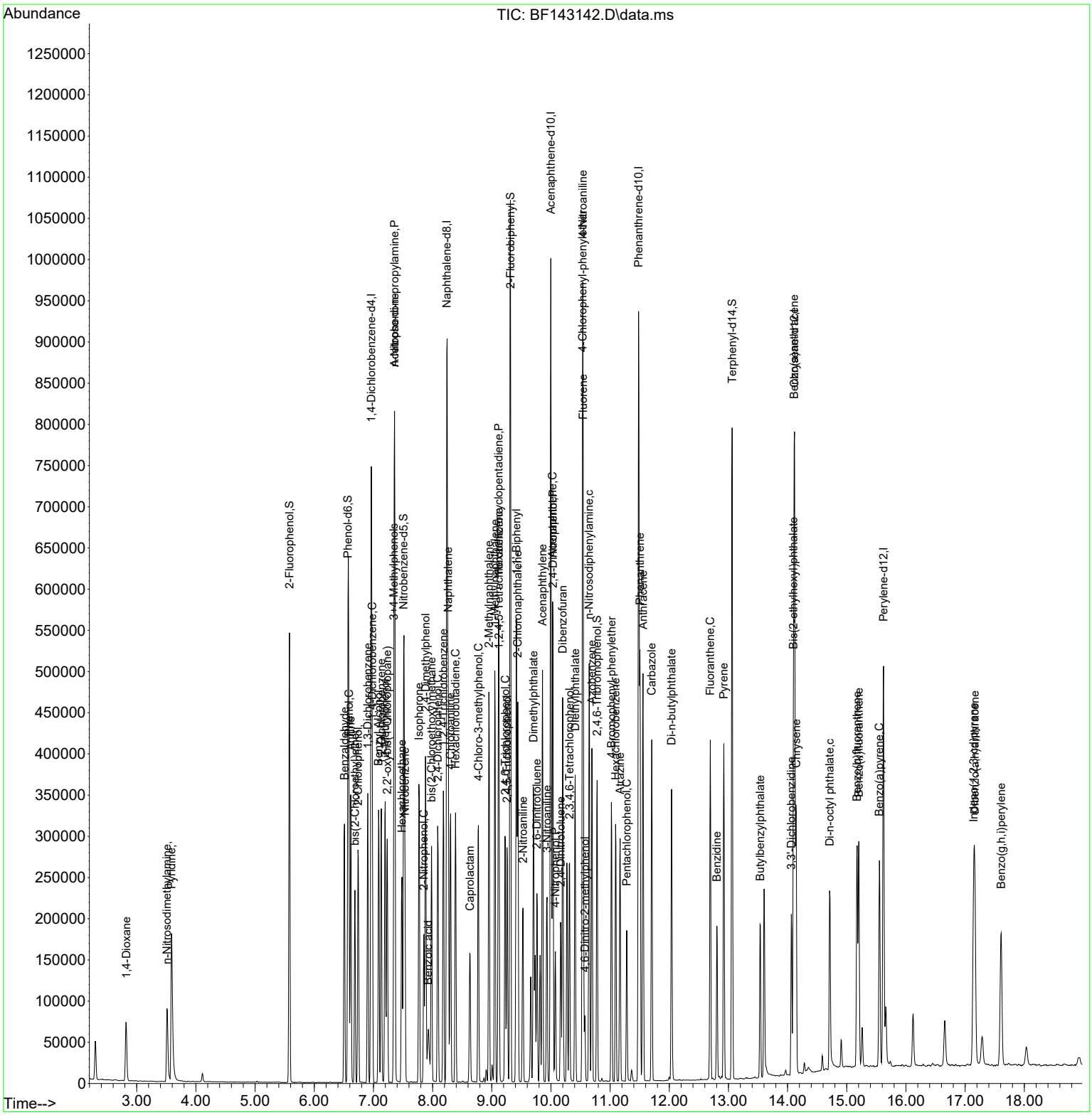
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143142.D
Acq On : 17 Jul 2025 12:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

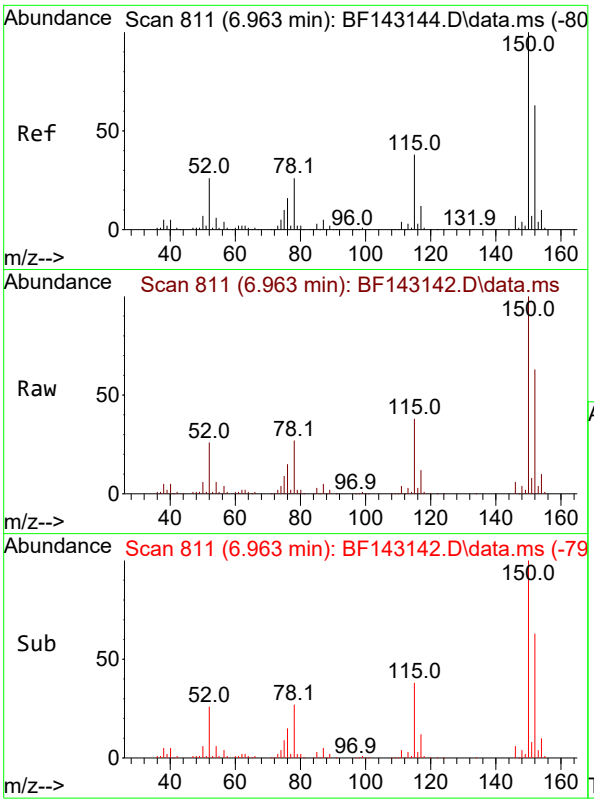
Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

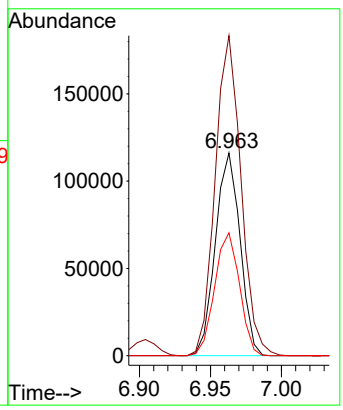




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:152 Resp: 14041

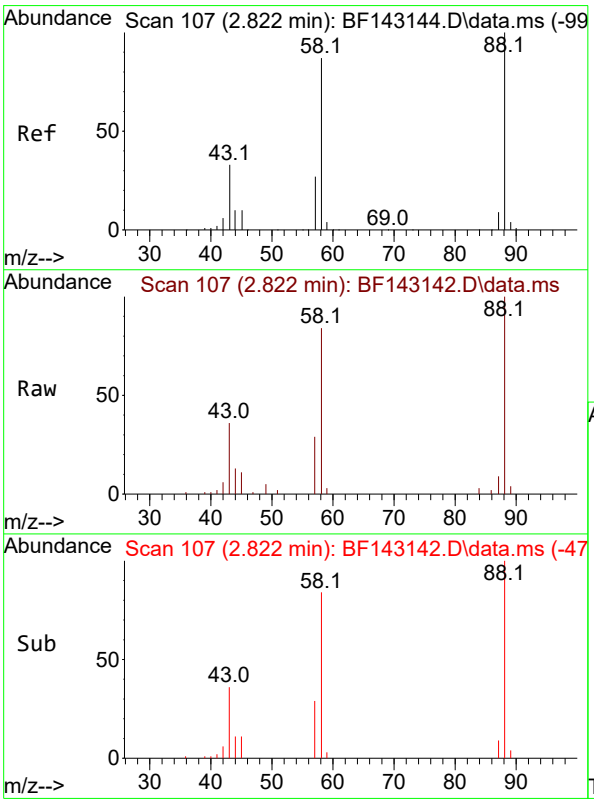
Ion	Ratio	Lower	Upper
152	100		
150	157.8	128.2	192.4
115	60.6	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

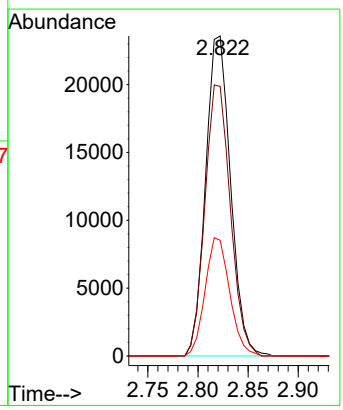
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

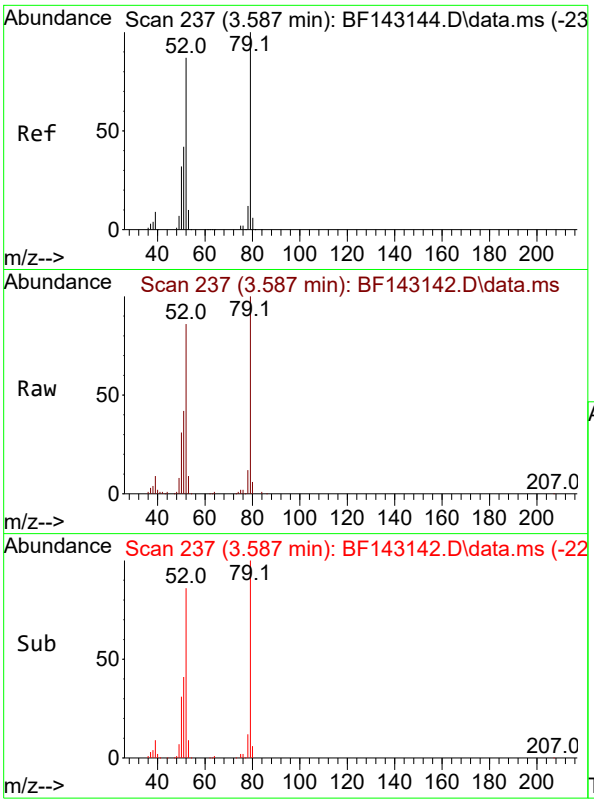


#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 88 Resp: 40860

Ion	Ratio	Lower	Upper
88	100		
58	86.6	70.2	105.2
43	36.5	27.1	40.7

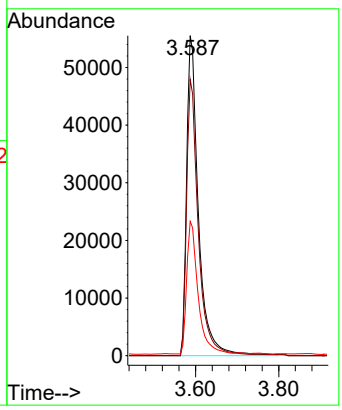




#3
Pyridine
Concen: 10.032 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 79 Resp: 10931

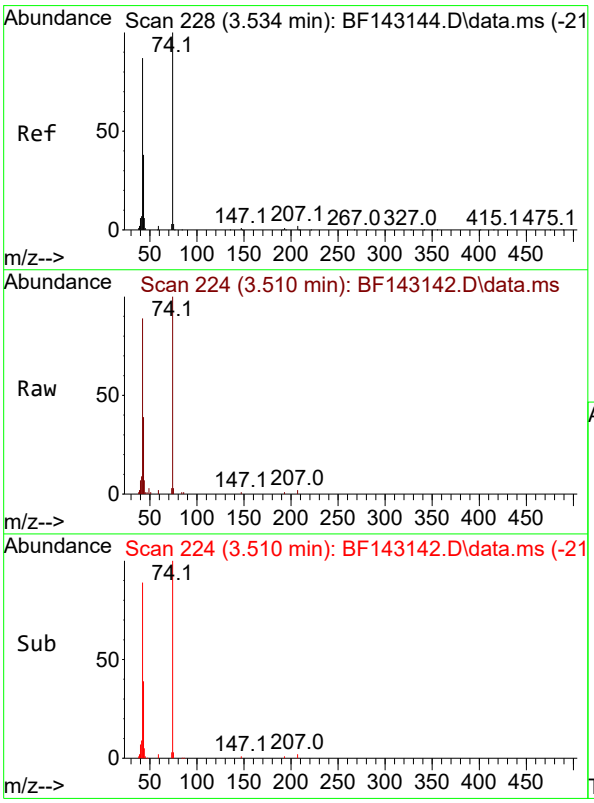
Ion	Ratio	Lower	Upper
79	100		
52	86.3	69.4	104.2
51	42.0	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

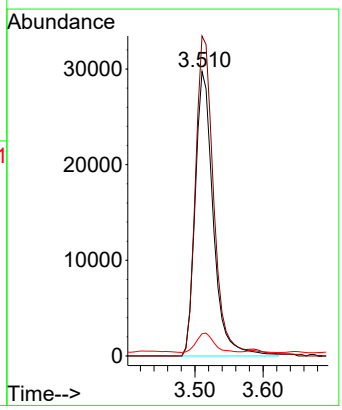
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

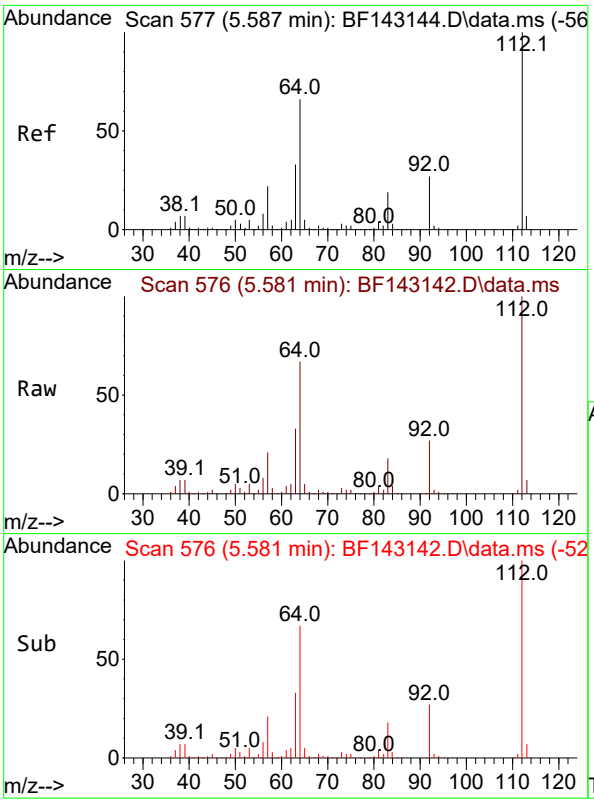


#4
n-Nitrosodimethylamine
Concen: 9.684 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 42 Resp: 54487

Ion	Ratio	Lower	Upper
42	100		
74	112.5	91.7	137.5
44	7.8	5.6	8.4

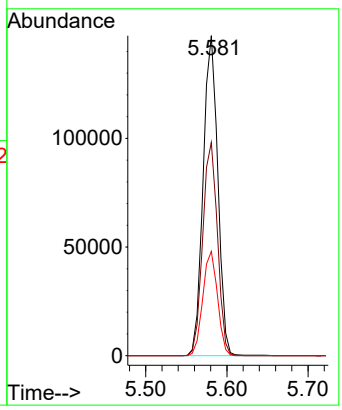




#5
2-Fluorophenol
Concen: 20.778 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:112 Resp: 18436

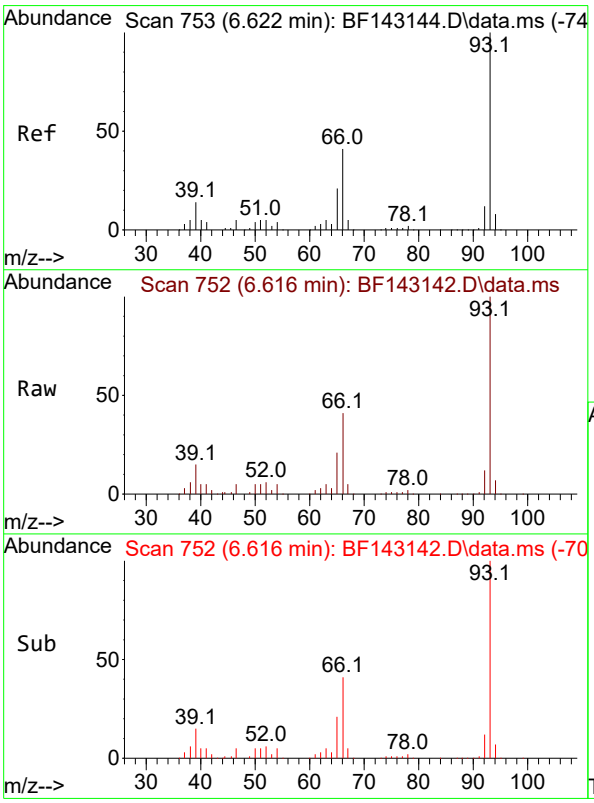
Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	32.6	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

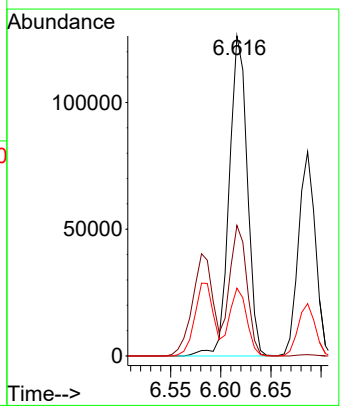
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

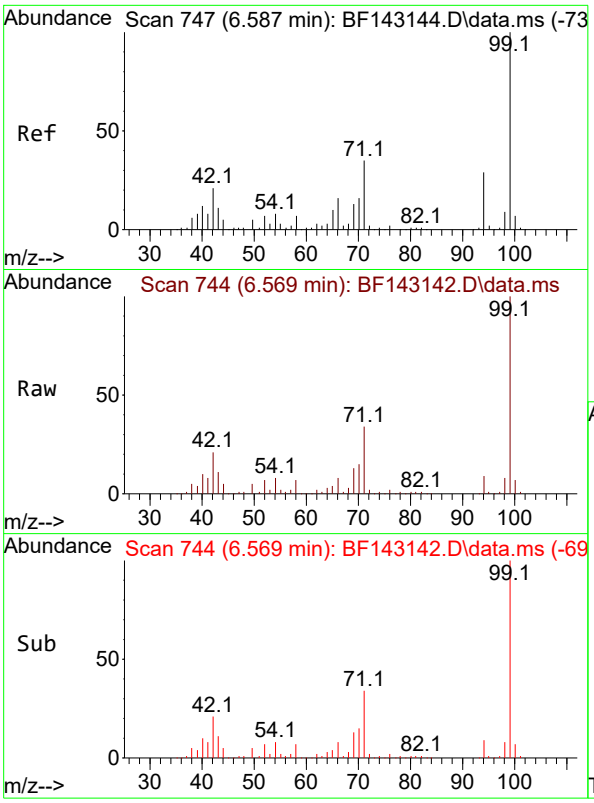


#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 158580

Ion	Ratio	Lower	Upper
93	100		
66	40.8	33.2	49.8
65	21.2	16.9	25.3

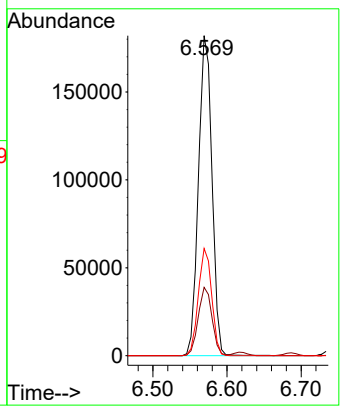




#7
Phenol-d6
Concen: 20.613 ng
RT: 6.569 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 99 Resp: 23020

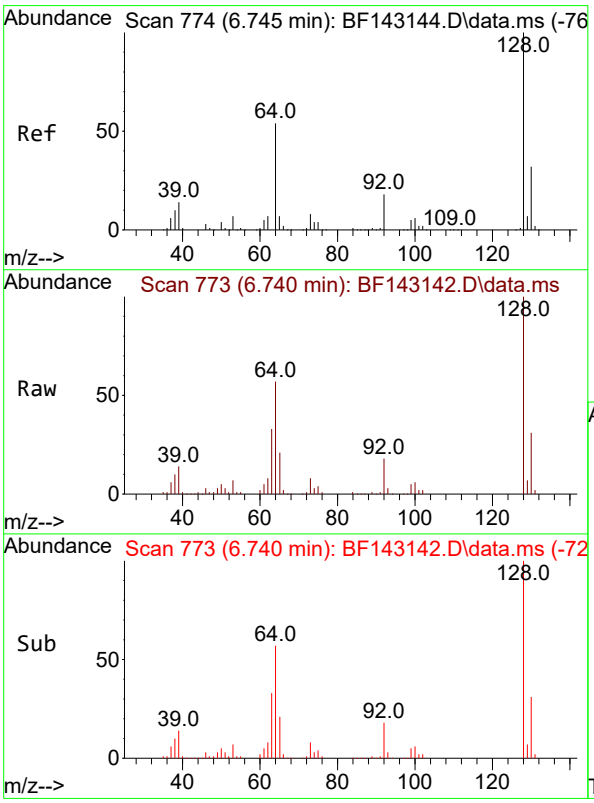
Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	33.5	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

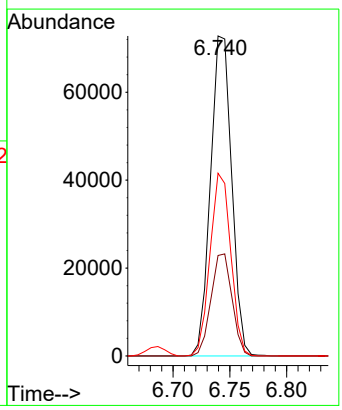
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

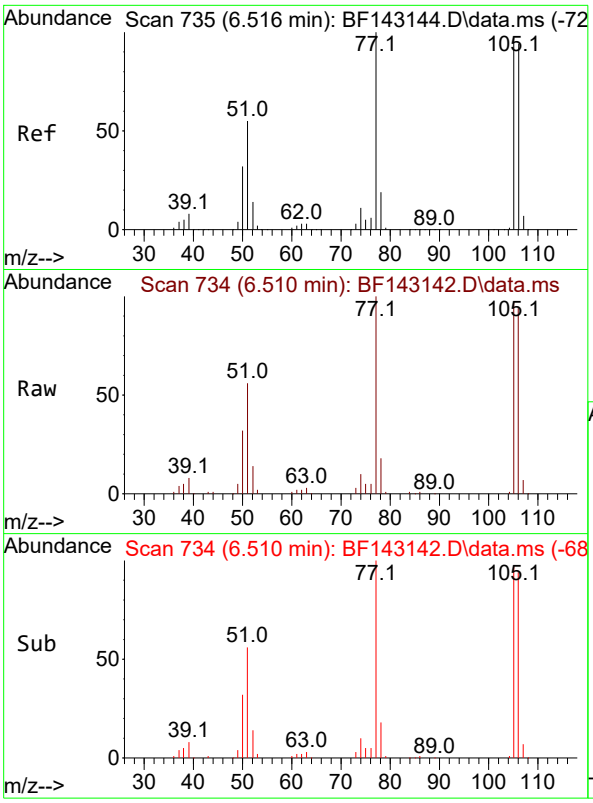


#8
2-Chlorophenol
Concen: 10.135 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:128 Resp: 94265

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.3	52.3
64	57.1	35.9	75.9

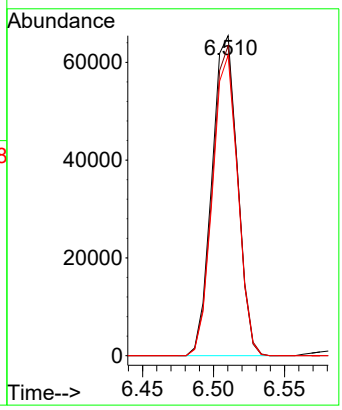




#9
Benzaldehyde
Concen: 9.779 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 77 Resp: 8189

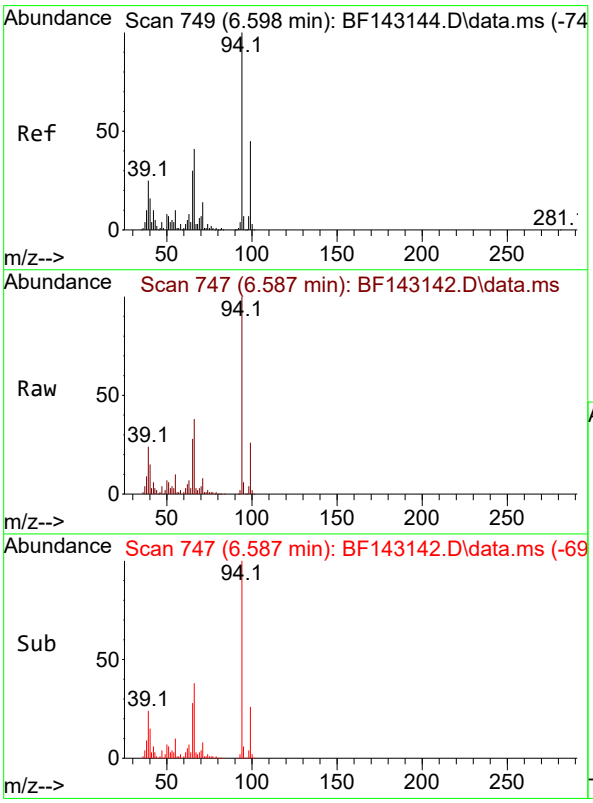
Ion	Ratio	Lower	Upper
77	100		
105	96.9	76.8	116.8
106	93.9	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

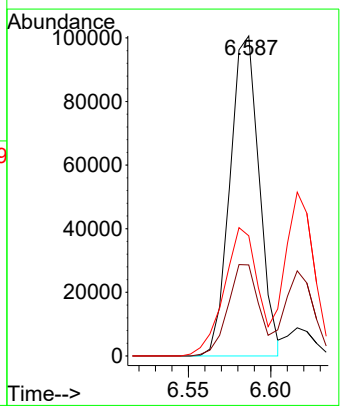
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

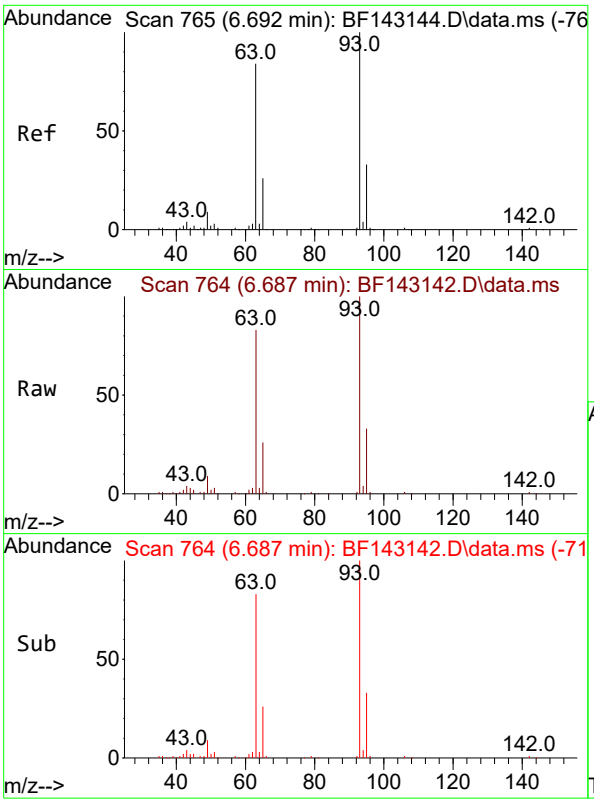


#10
Phenol
Concen: 10.198 ng m
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 94 Resp: 124080

Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.0	50.0
66	37.5	20.8	60.8

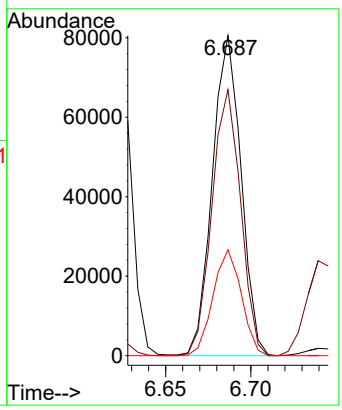




#11
bis(2-Chloroethyl)ether
Concen: 10.119 ng
RT: 6.687 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 9426

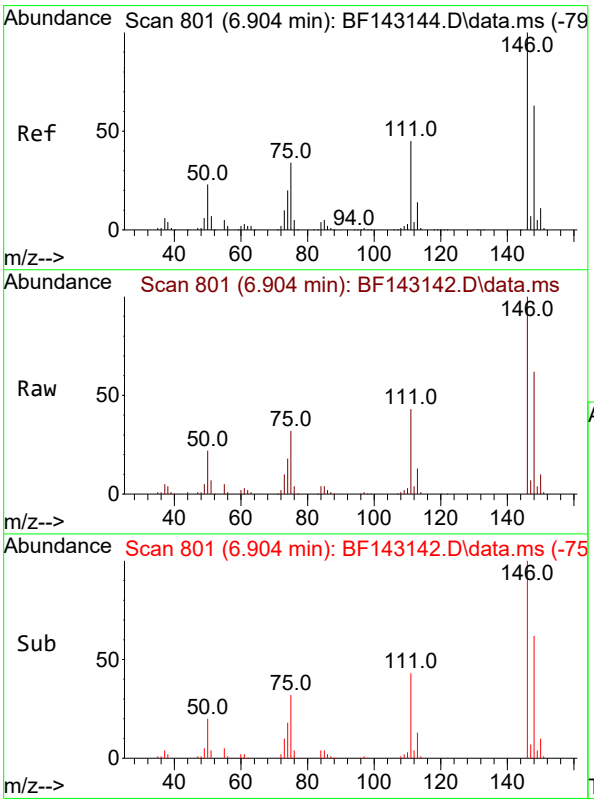
Ion	Ratio	Lower	Upper
93	100		
63	83.2	63.4	103.4
95	33.1	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

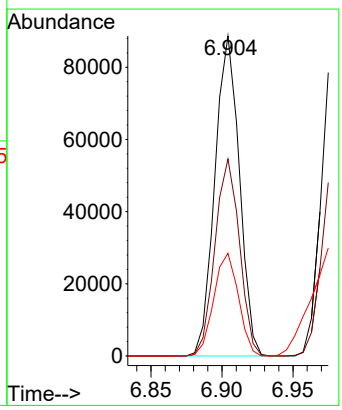
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

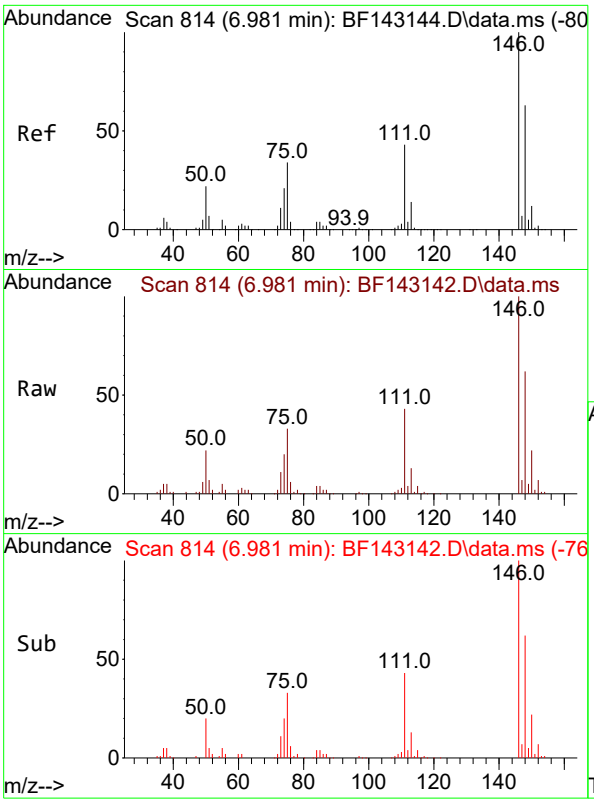


#12
1,3-Dichlorobenzene
Concen: 10.514 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 106226

Ion	Ratio	Lower	Upper
146	100		
148	61.6	50.6	76.0
75	32.1	27.4	41.2

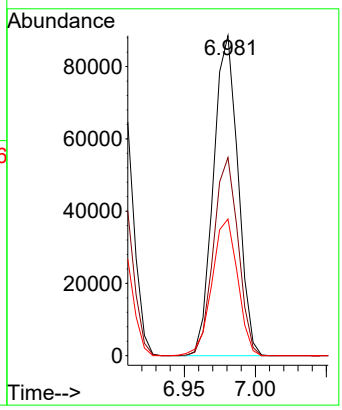




#13
1,4-Dichlorobenzene
Concen: 10.475 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 10658

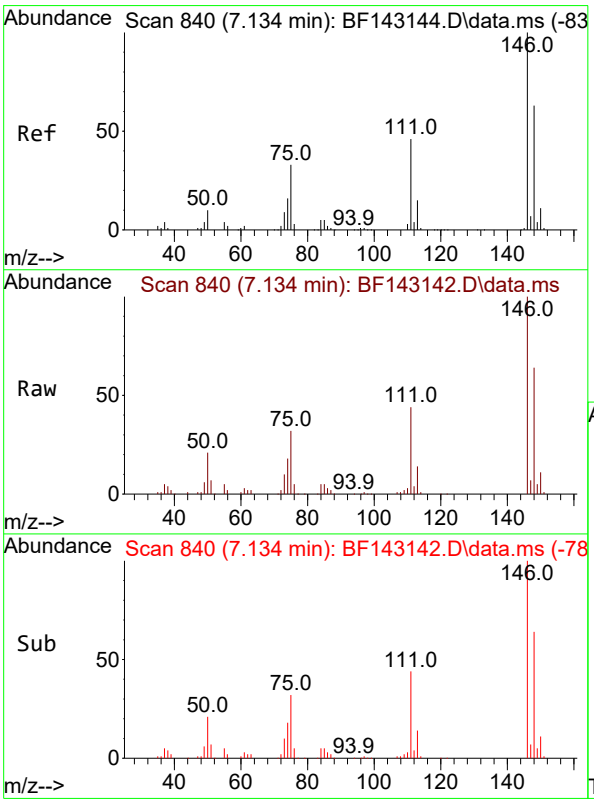
Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.3	75.5
111	42.7	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

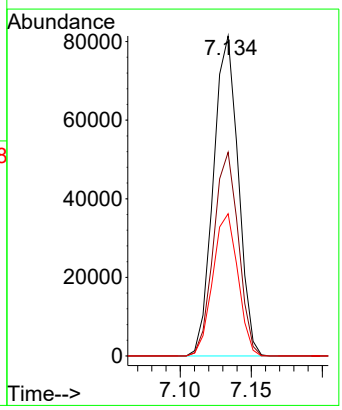
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

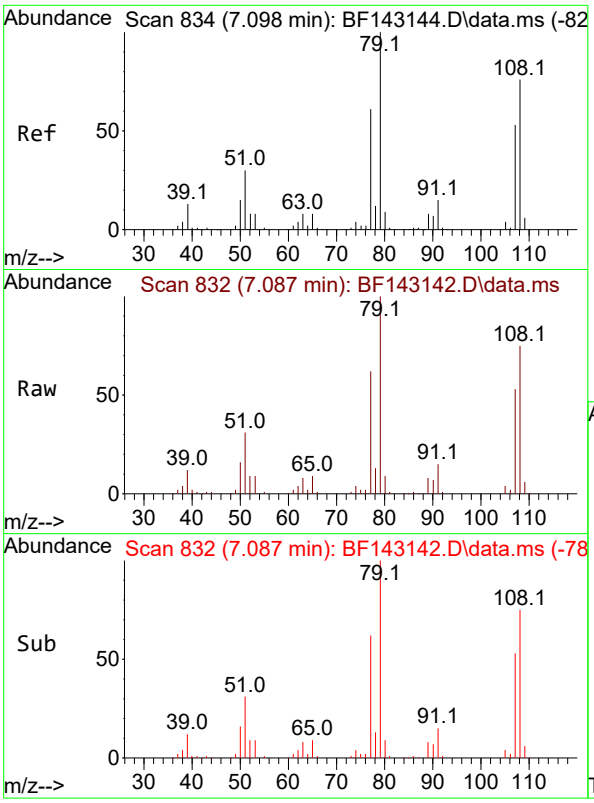


#14
1,2-Dichlorobenzene
Concen: 10.253 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 99226

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.7	76.1
111	44.5	36.6	54.8

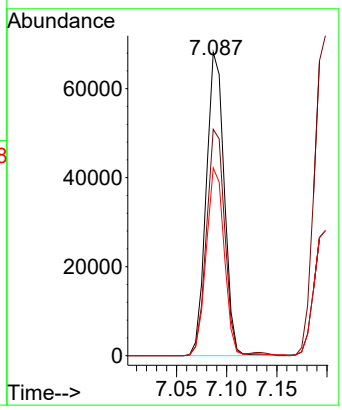




#15
Benzyl Alcohol
Concen: 9.996 ng
RT: 7.087 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 79 Resp: 8524

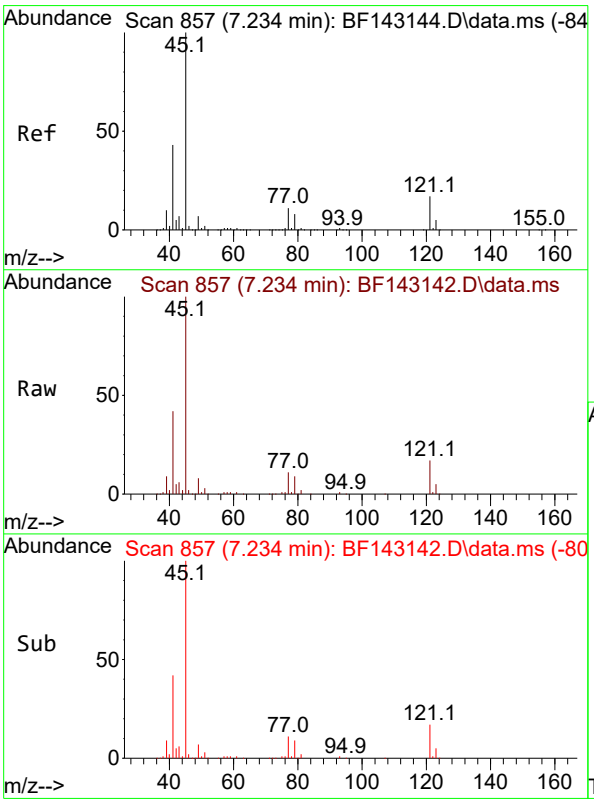
Ion	Ratio	Lower	Upper
79	100		
108	74.6	61.1	91.7
77	61.9	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

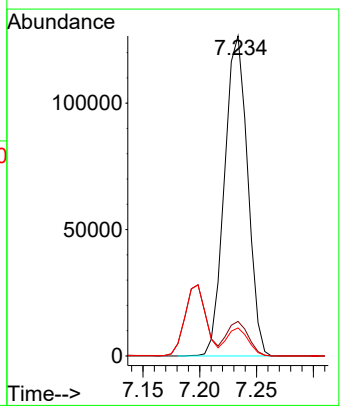
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

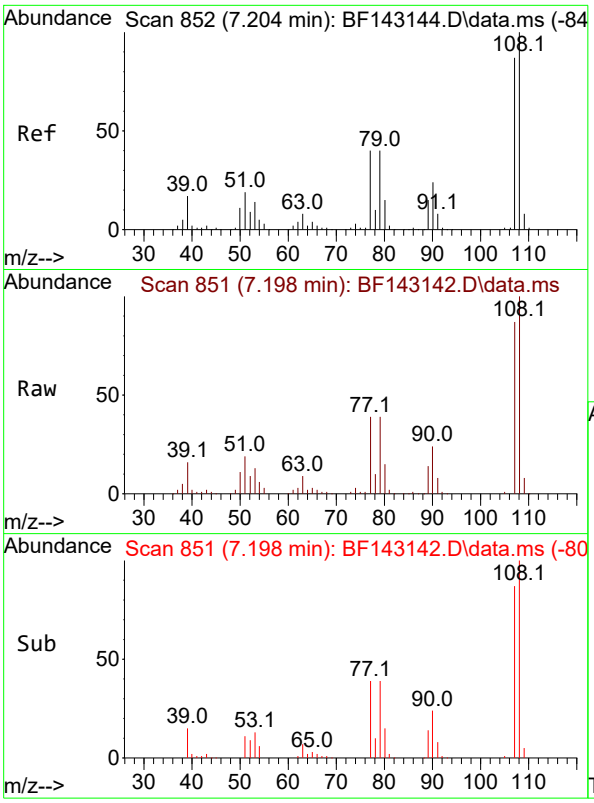


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.371 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 45 Resp: 179226

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.2
79	8.7	0.0	28.5

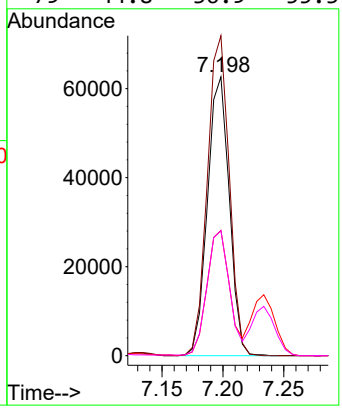




#17
2-Methylphenol
Concen: 9.974 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 7800

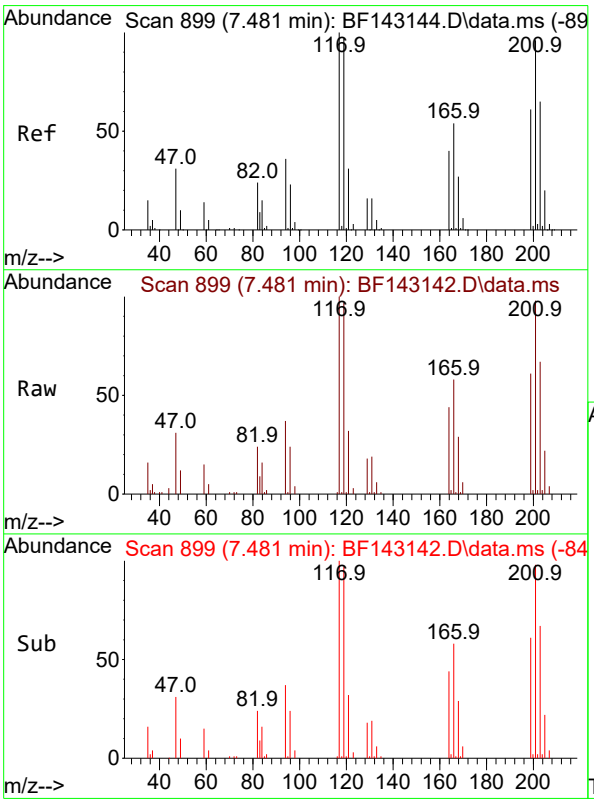
Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.8	137.6
77	45.0	37.0	55.6
79	44.8	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

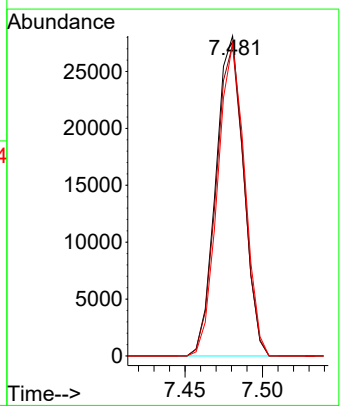
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

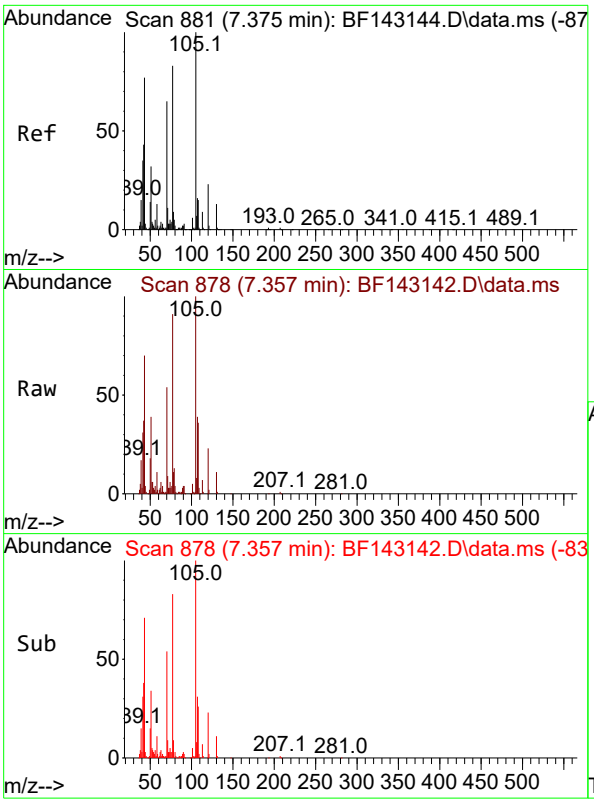


#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:117 Resp: 34985

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.8
201	97.7	77.0	115.4

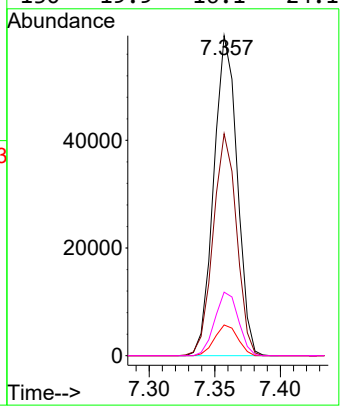




#19
n-Nitroso-di-n-propylamine
Concen: 10.302 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

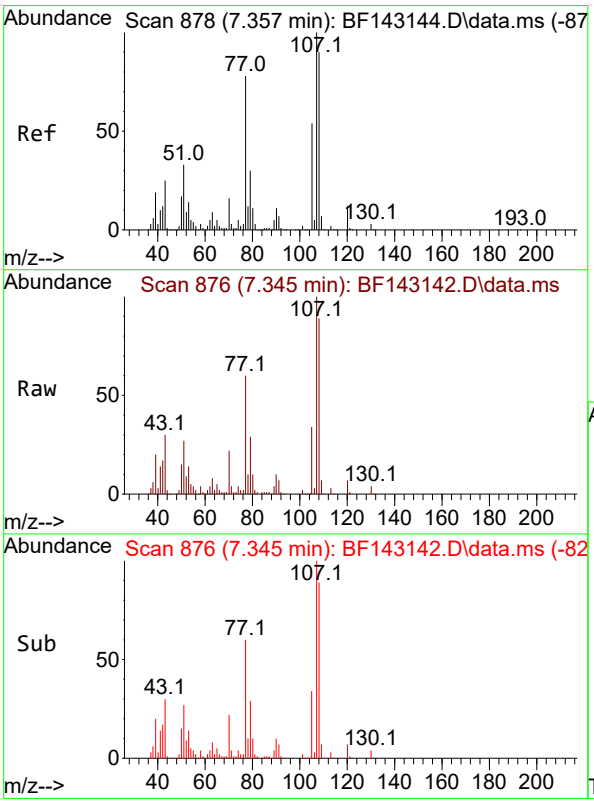
Tgt Ion: 70 Resp: 7381

Ion	Ratio	Lower	Upper
70	100		
42	69.4	52.5	78.7
101	9.6	7.6	11.4
130	19.9	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

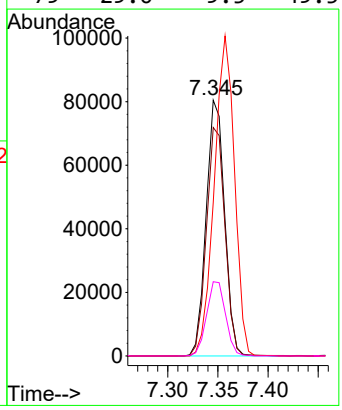
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

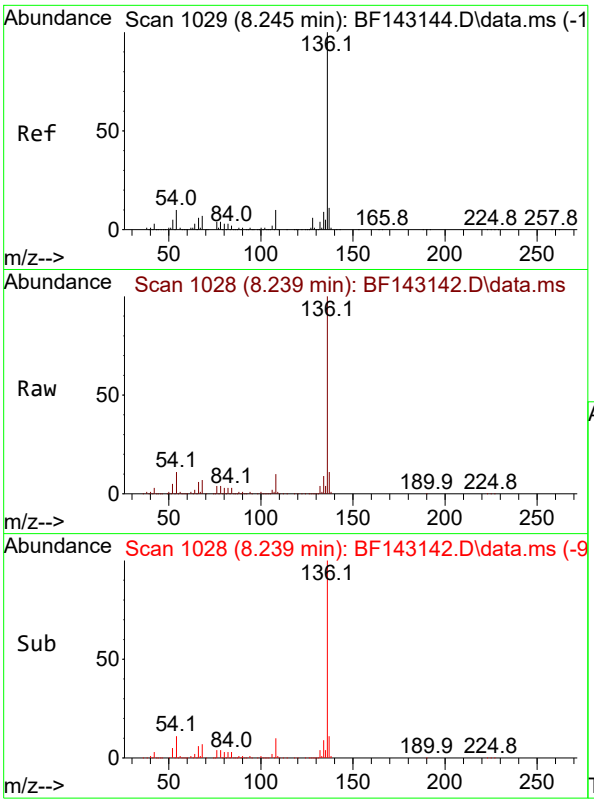


#20
3+4-Methylphenols
Concen: 10.858 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 103018

Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.0	110.0
77	60.0	57.8	97.8
79	29.0	9.5	49.5

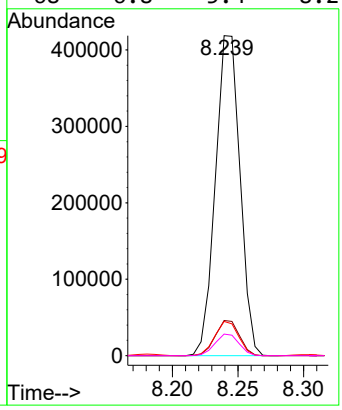




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:136 Resp: 54573

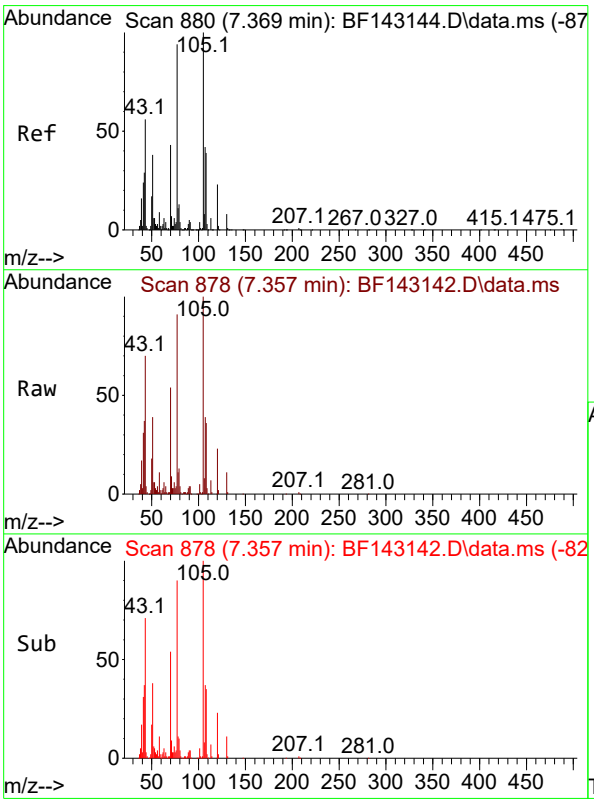
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.7	8.2	12.2
68	6.8	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

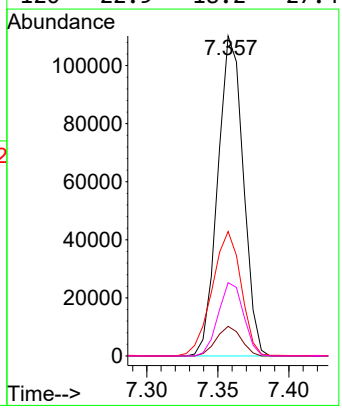
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

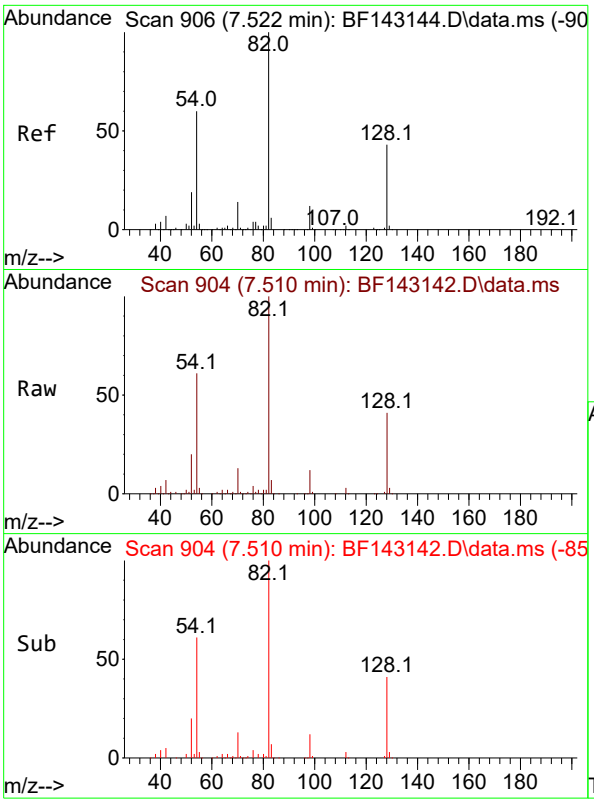


#22
Acetophenone
Concen: 10.645 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:105 Resp: 137532

Ion	Ratio	Lower	Upper
105	100		
71	9.3	5.8	8.6#
51	38.9	30.2	45.2
120	22.9	18.2	27.4

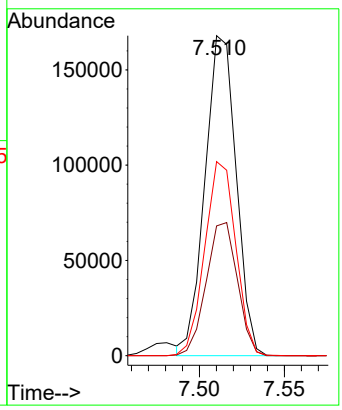




#23
Nitrobenzene-d5
Concen: 19.646 ng m
RT: 7.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 82 Resp: 21508

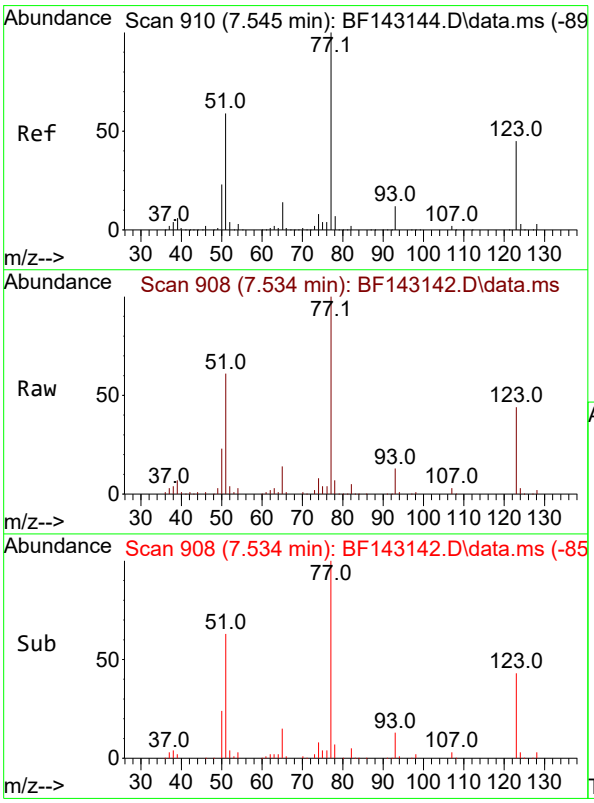
Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.6	50.4
54	60.7	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

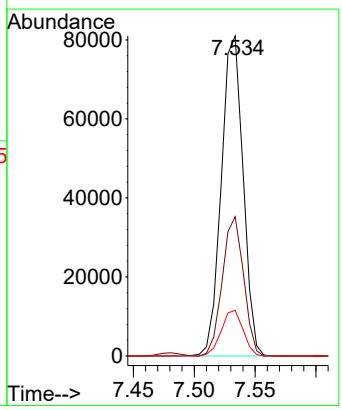
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

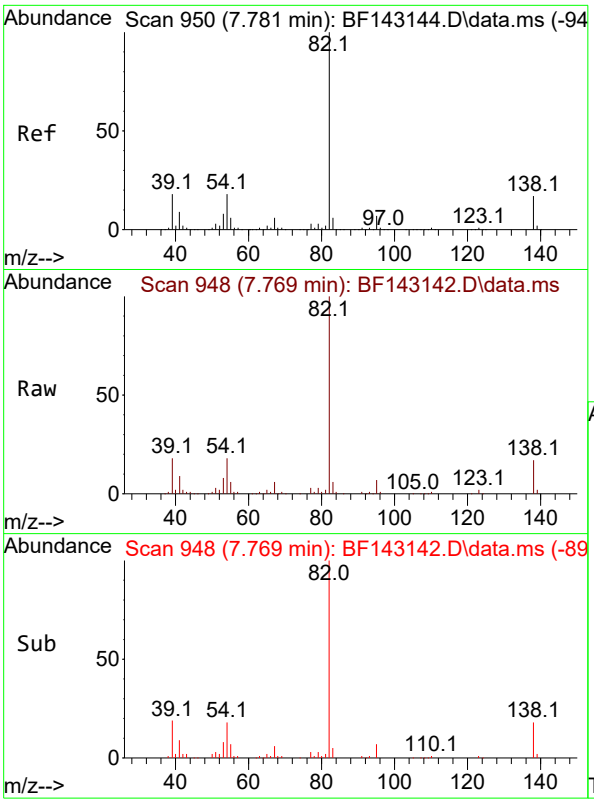


#24
Nitrobenzene
Concen: 9.879 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 77 Resp: 100837

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.1	54.1
65	14.2	11.4	17.2

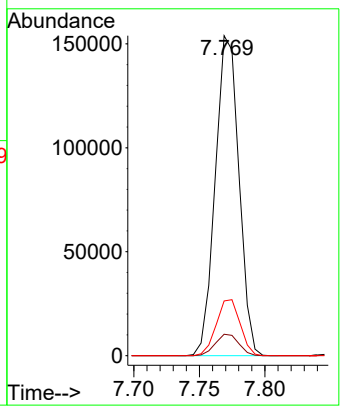




#25
Isophorone
Concen: 9.981 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 82 Resp: 19289

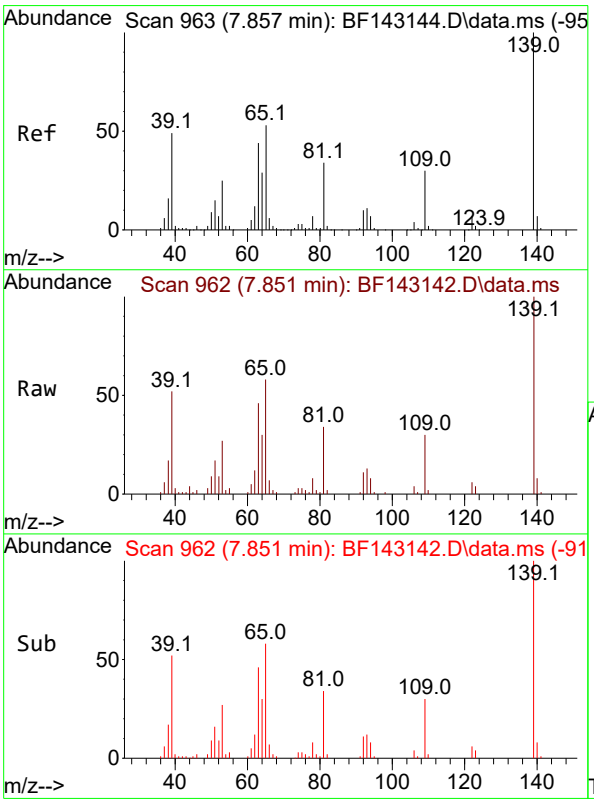
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.1	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

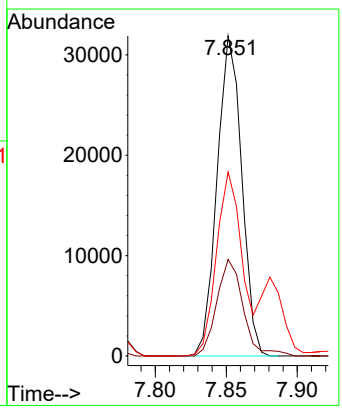
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

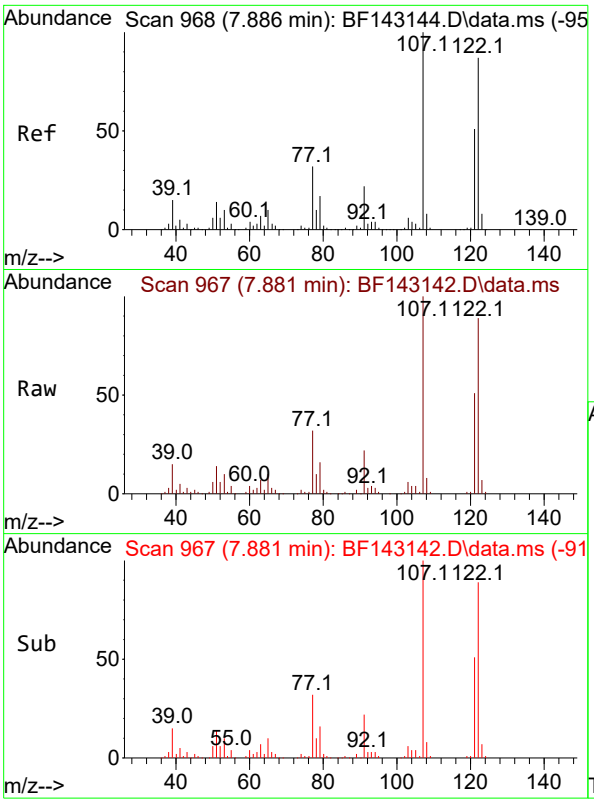


#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:139 Resp: 38451

Ion	Ratio	Lower	Upper
139	100		
109	30.2	23.6	35.4
65	57.5	42.6	64.0

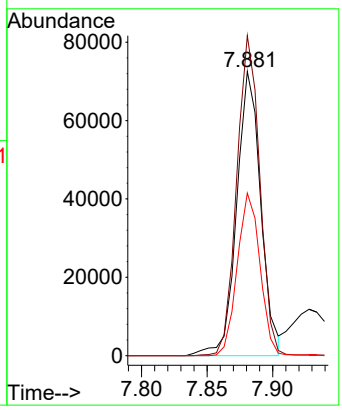




#27
2,4-Dimethylphenol
Concen: 10.269 ng
RT: 7.881 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:122 Resp: 9272

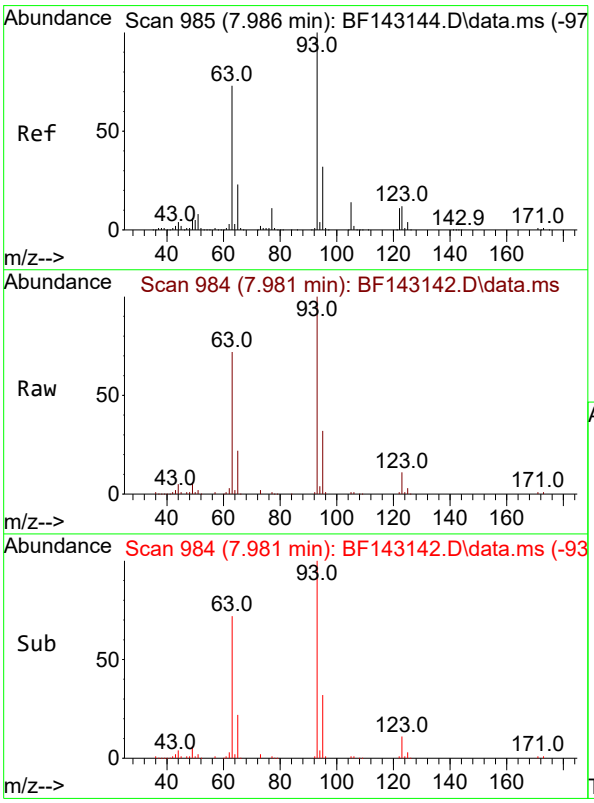
Ion	Ratio	Lower	Upper
122	100		
107	112.6	91.8	137.6
121	57.2	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

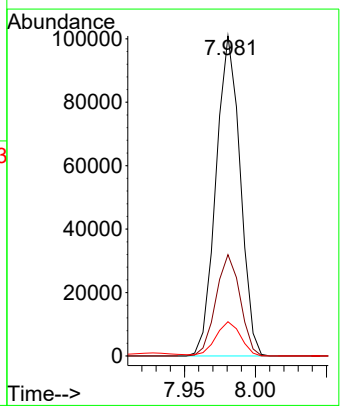
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

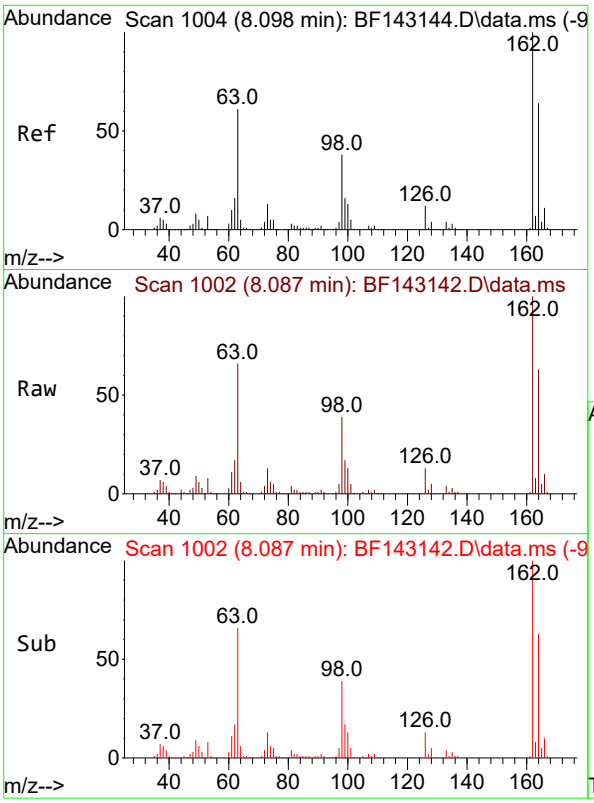


#28
bis(2-Chloroethoxy)methane
Concen: 10.297 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 119320

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.6
123	10.7	9.7	14.5

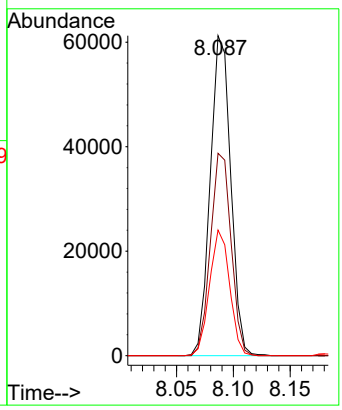




#29
2,4-Dichlorophenol
Concen: 10.091 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:162 Resp: 7684

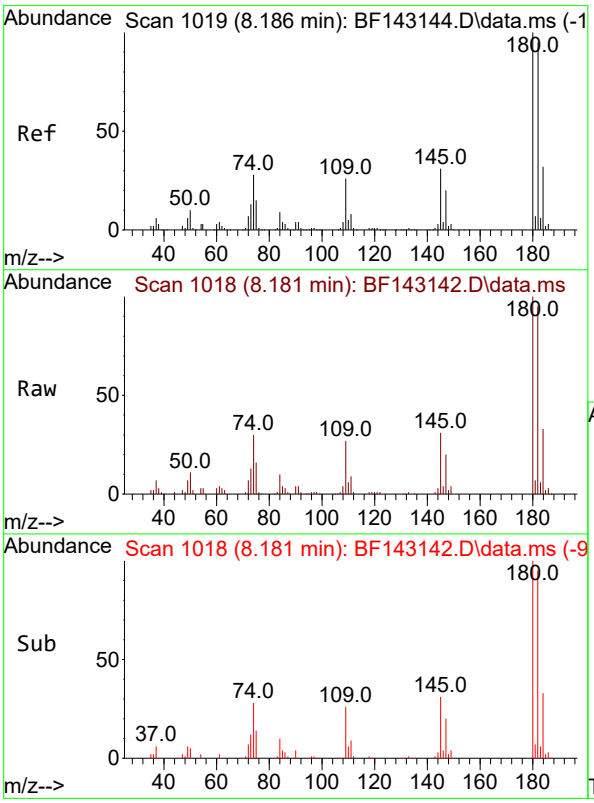
Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.2	84.2
98	39.2	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

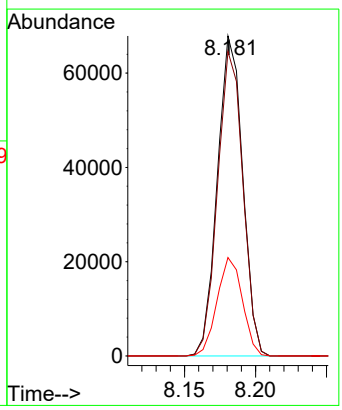
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

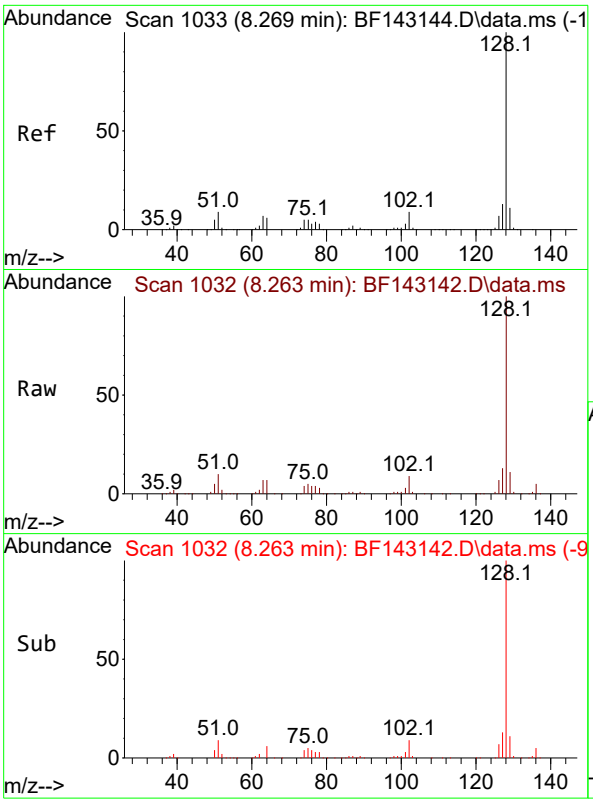


#30
1,2,4-Trichlorobenzene
Concen: 10.191 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:180 Resp: 83842

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	30.7	25.0	37.6

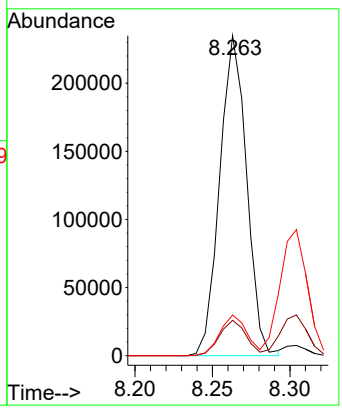




#31
Naphthalene
Concen: 10.534 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:128 Resp: 28310

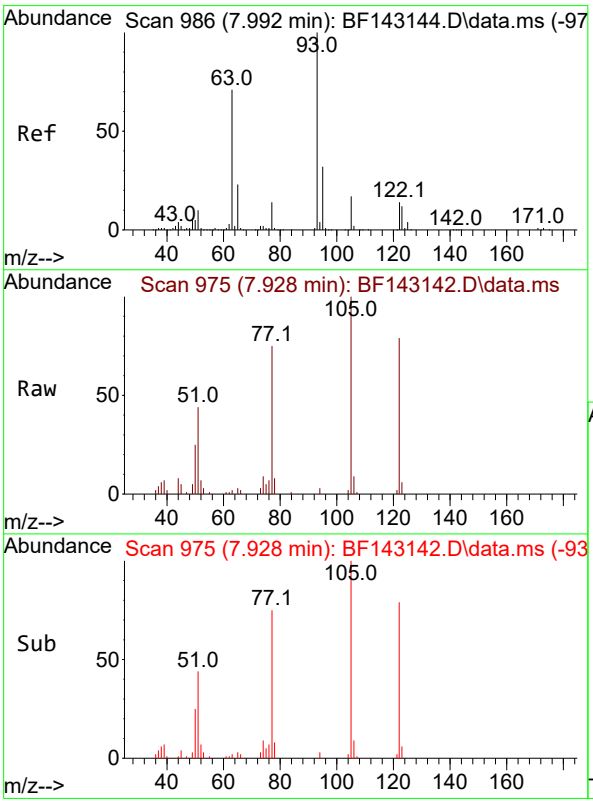
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

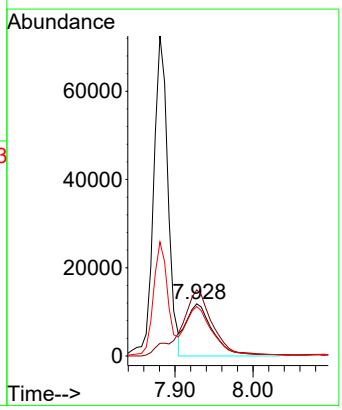
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

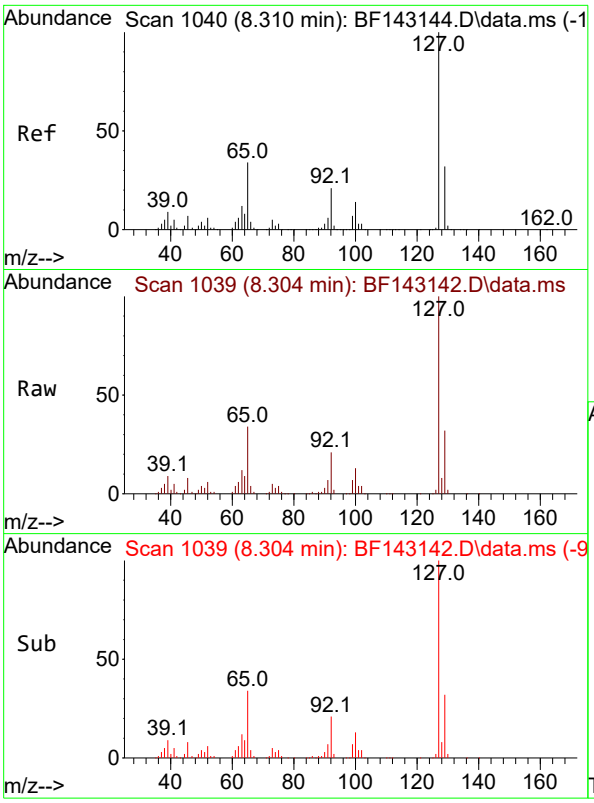


#32
Benzoic acid
Concen: 10.113 ng m
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:122 Resp: 28431

Ion	Ratio	Lower	Upper
122	100		
105	126.6	104.8	144.8
77	94.6	77.6	117.6

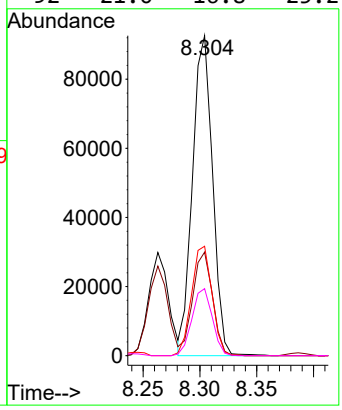




#33
4-Chloroaniline
Concen: 10.369 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:127 Resp: 11379

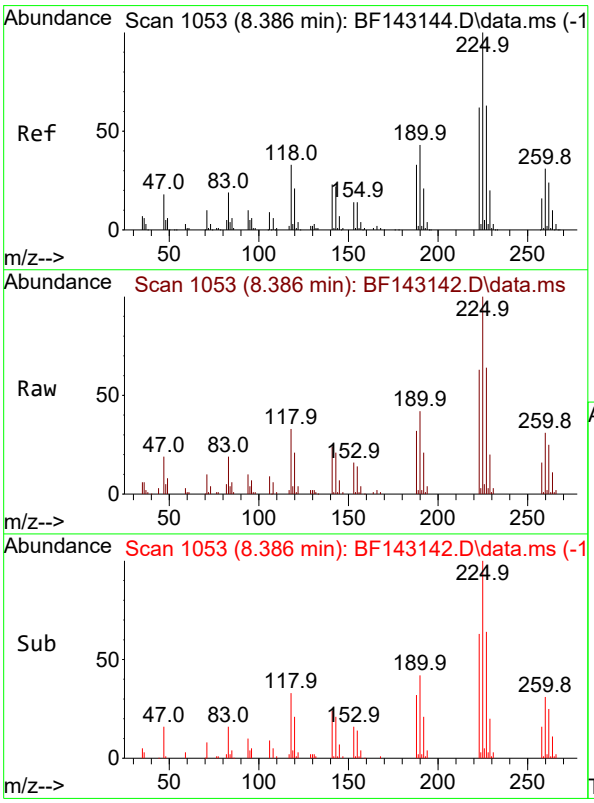
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	34.2	27.4	41.2
92	21.0	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

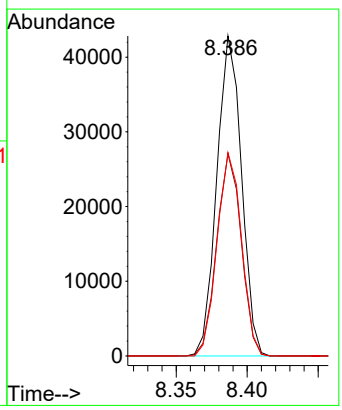
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

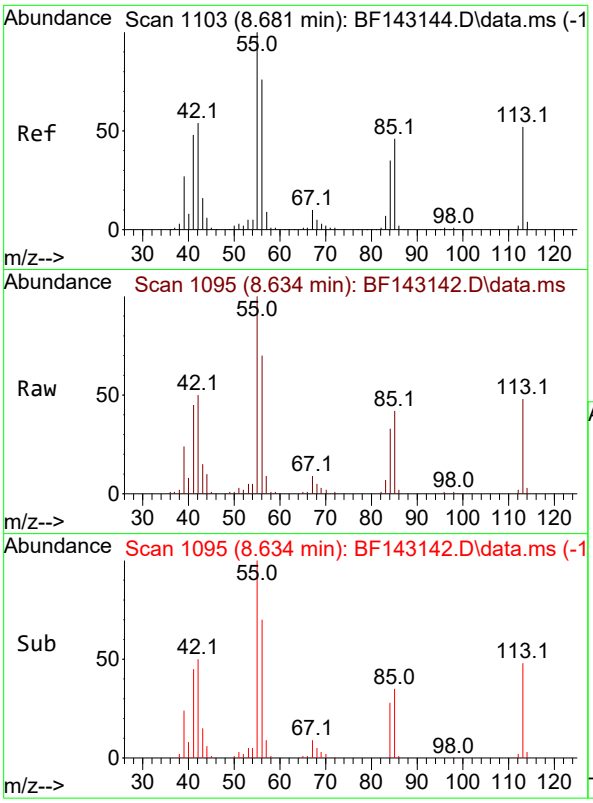


#34
Hexachlorobutadiene
Concen: 10.290 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:225 Resp: 51715

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.6
227	63.5	50.2	75.4

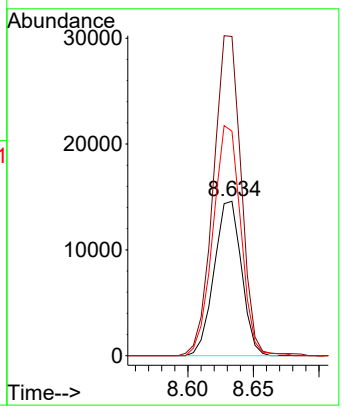




#35
Caprolactam
Concen: 9.194 ng
RT: 8.634 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:113 Resp: 2115

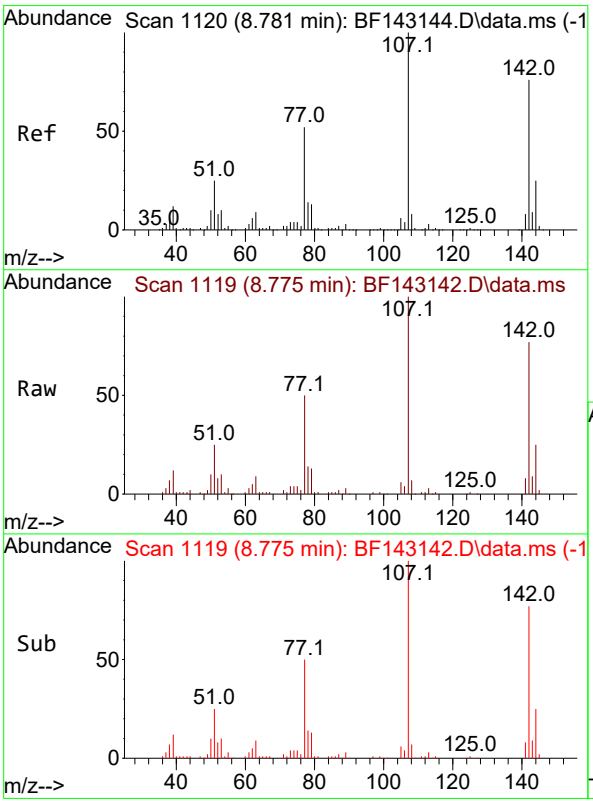
Ion	Ratio	Lower	Upper
113	100		
55	206.8	174.0	214.0
56	145.4	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

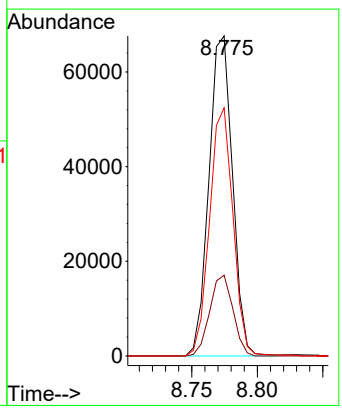
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

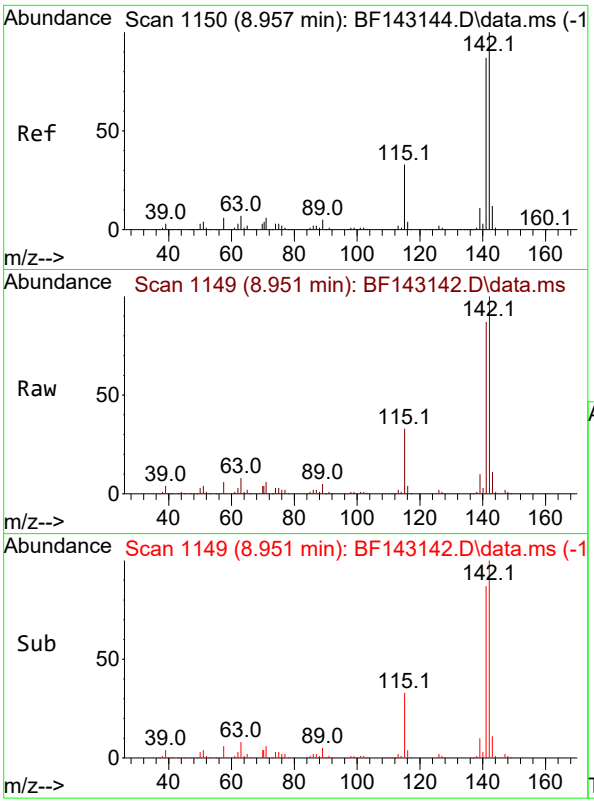


#36
4-Chloro-3-methylphenol
Concen: 10.227 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 84647

Ion	Ratio	Lower	Upper
107	100		
144	25.3	19.8	29.6
142	77.5	60.6	90.8

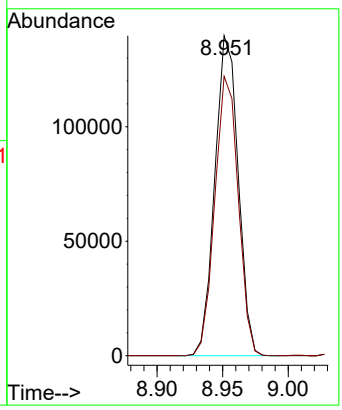




#37
2-Methylnaphthalene
Concen: 10.570 ng
RT: 8.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:142 Resp: 17286

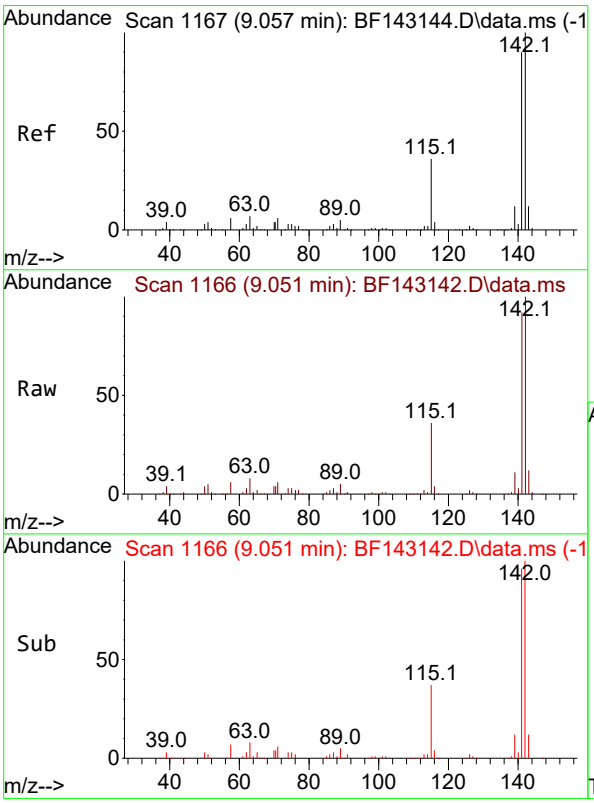
Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.9	104.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

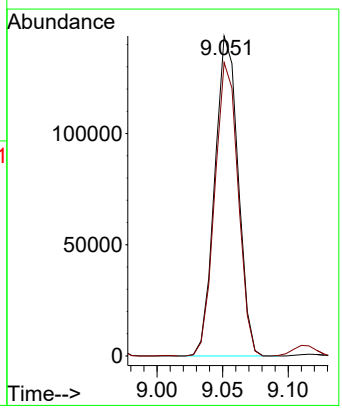
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

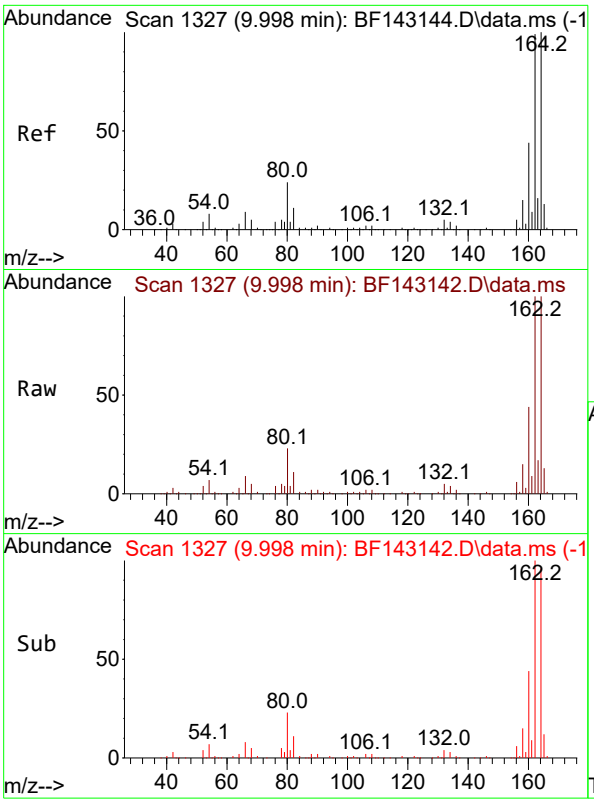


#38
1-Methylnaphthalene
Concen: 10.564 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:142 Resp: 177917

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.3	108.5

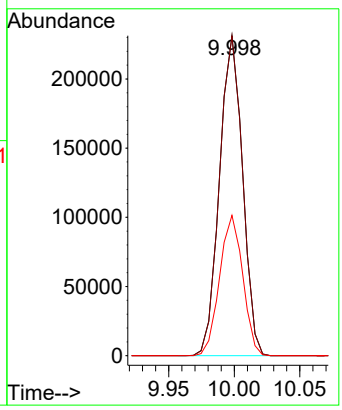




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:164 Resp: 28258

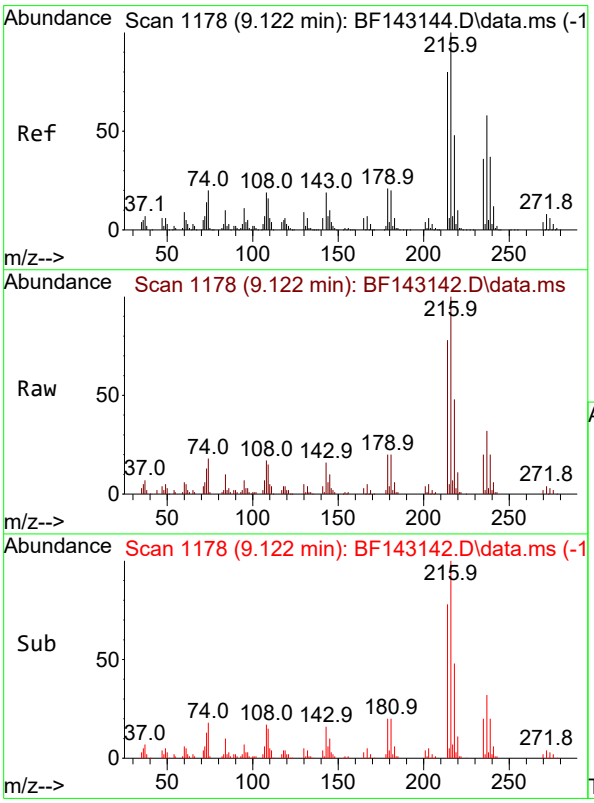
Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.0	118.6
160	43.9	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

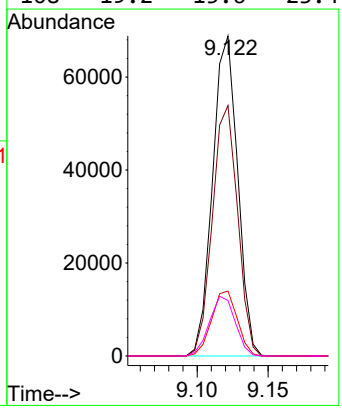
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

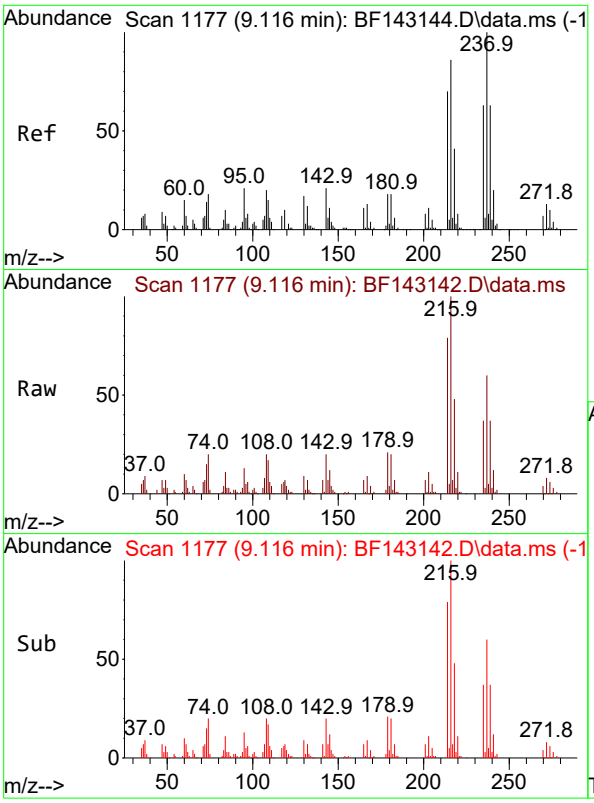


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.357 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:216 Resp: 84494

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.8	95.8
179	20.8	16.4	24.6
108	19.2	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 8.963 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

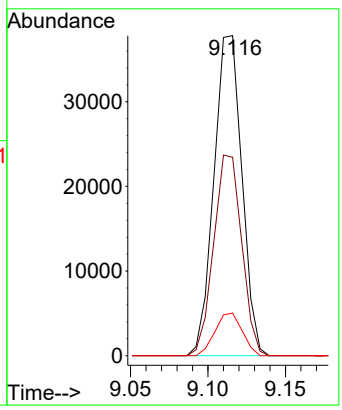
Tgt Ion:237 Resp: 4757

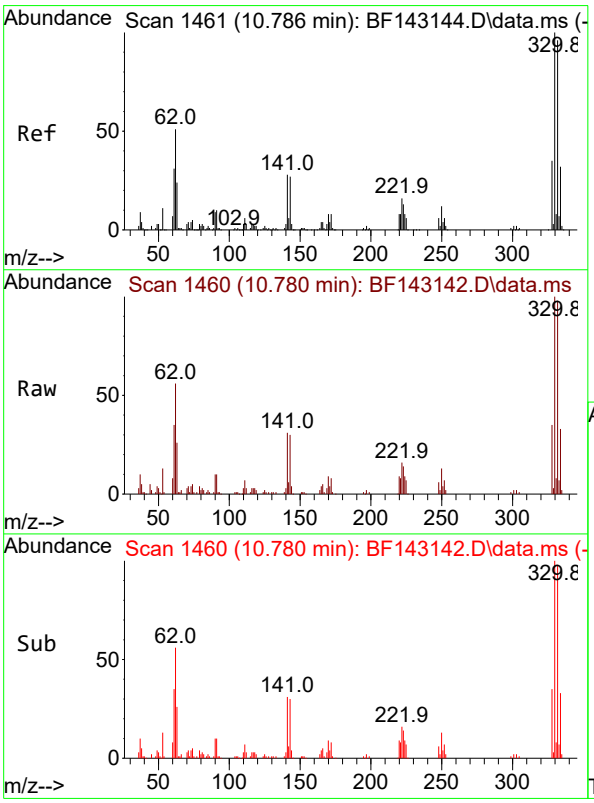
Ion	Ratio	Lower	Upper
237	100		
235	62.0	43.0	83.0
272	13.3	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

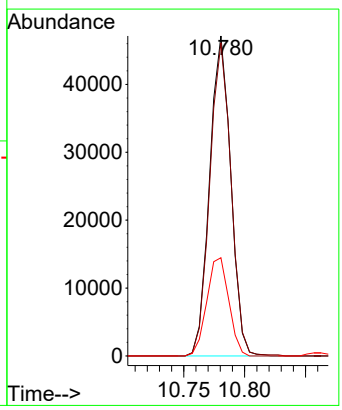


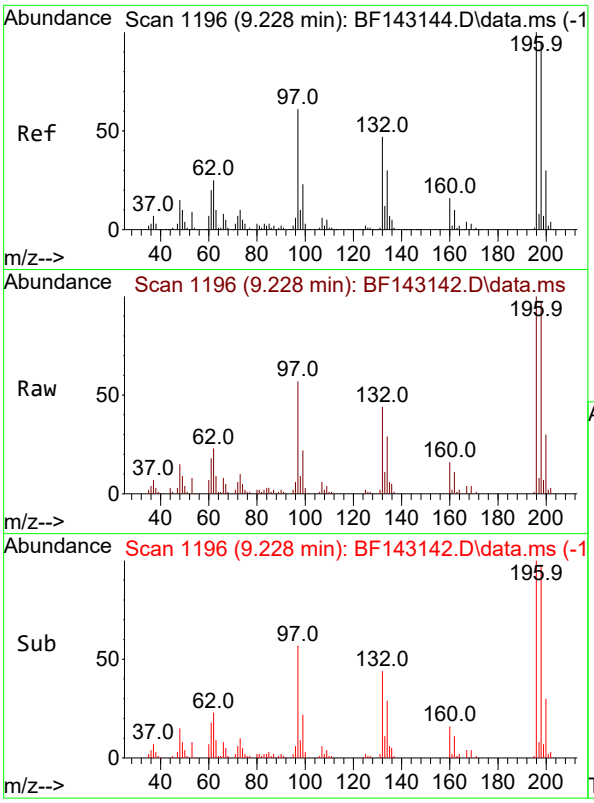


#42
2,4,6-Tribromophenol
Concen: 19.512 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:330 Resp: 56961

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.7	115.1
141	32.0	23.3	34.9

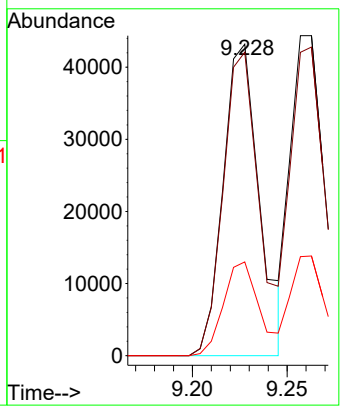




#43
2,4,6-Trichlorophenol
Concen: 10.165 ng
RT: 9.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:196 Resp: 5739

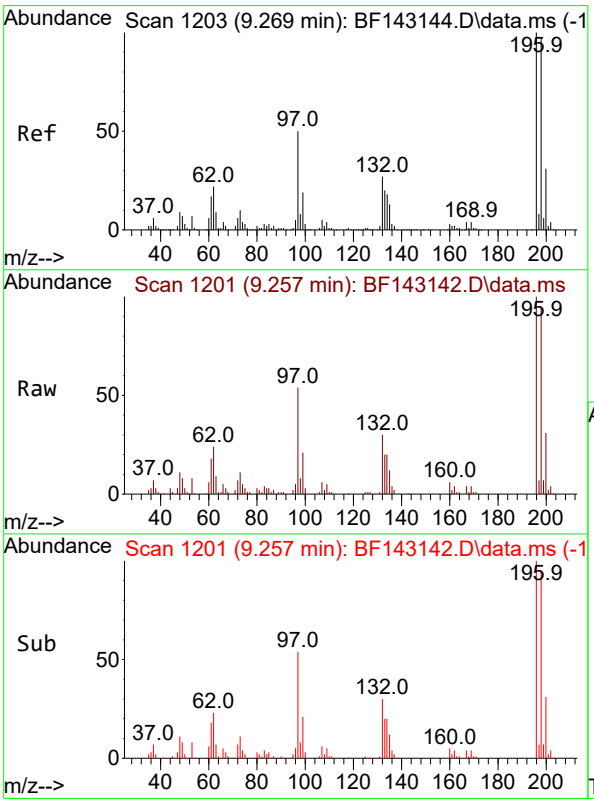
Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.2	114.2
200	30.1	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

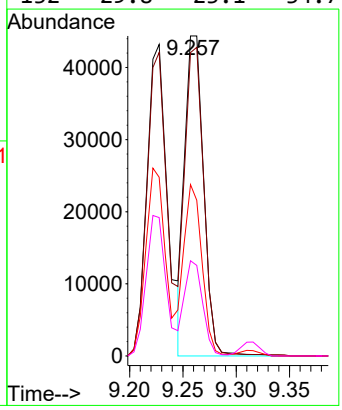
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

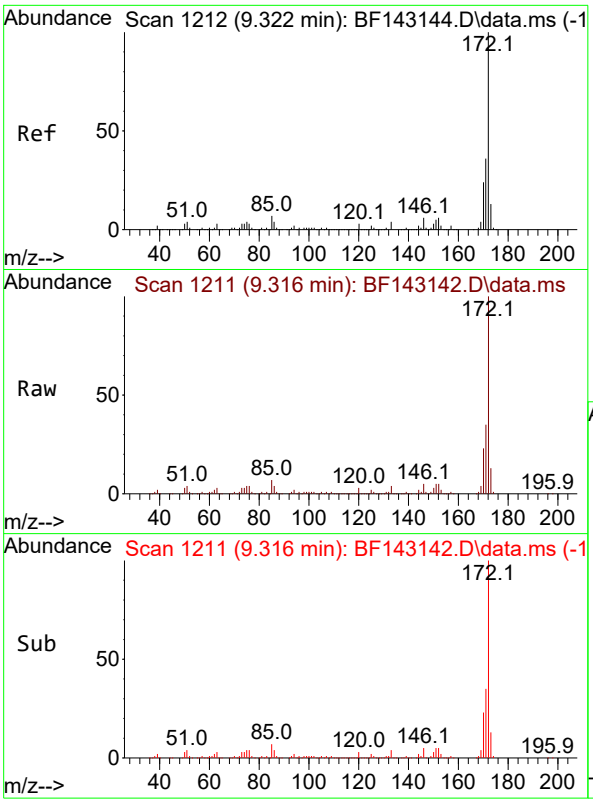


#44
2,4,5-Trichlorophenol
Concen: 9.688 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:196 Resp: 54716

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	53.5	40.3	60.5
132	29.8	23.1	34.7

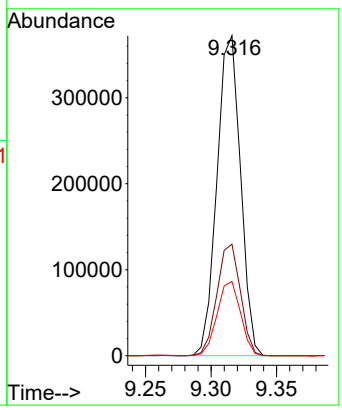




#45
2-Fluorobiphenyl
Concen: 22.489 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:172 Resp: 46466

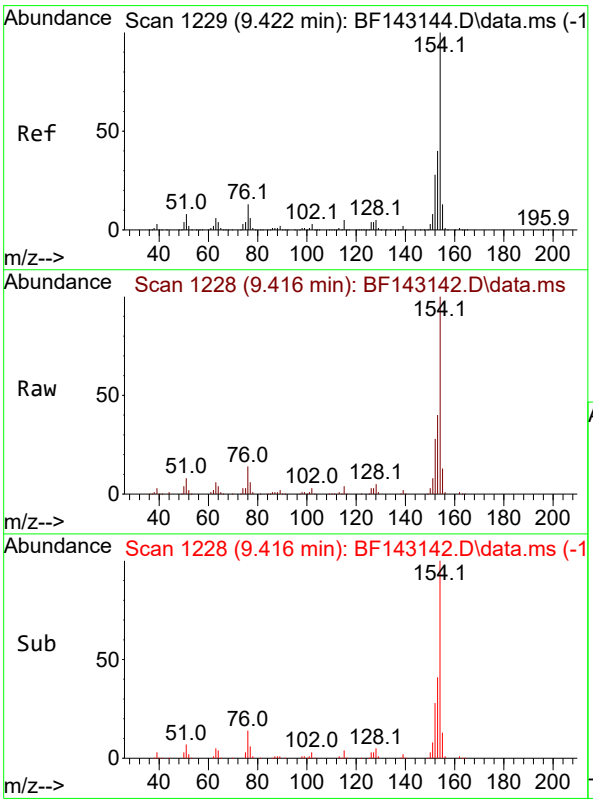
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

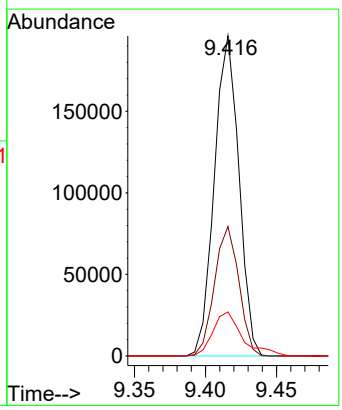
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

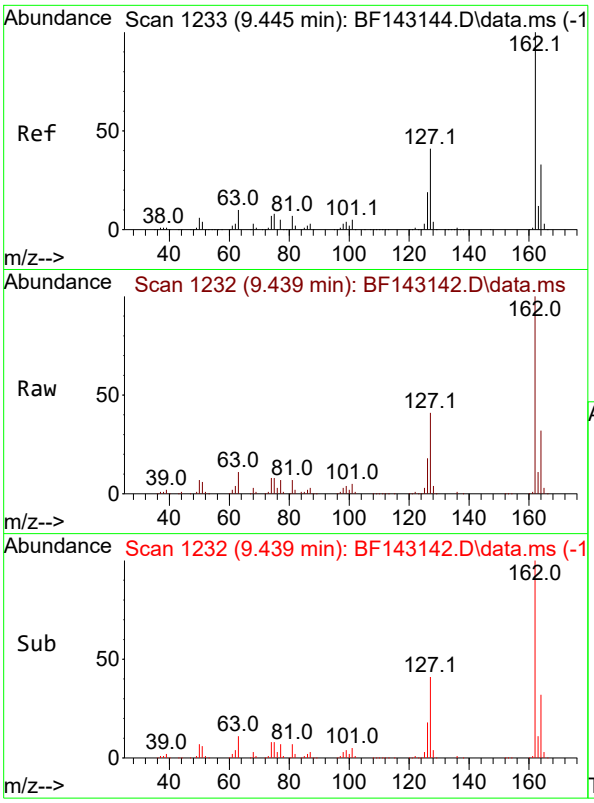


#46
1,1'-Biphenyl
Concen: 10.680 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 235467

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.7	0.0	33.3

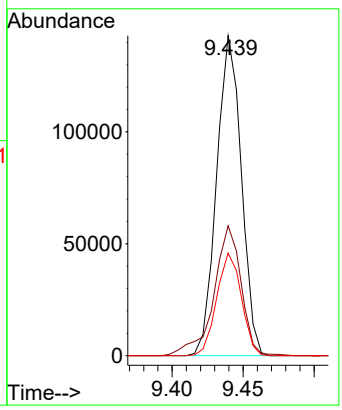




#47
2-Chloronaphthalene
Concen: 10.595 ng
RT: 9.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:162 Resp: 17283

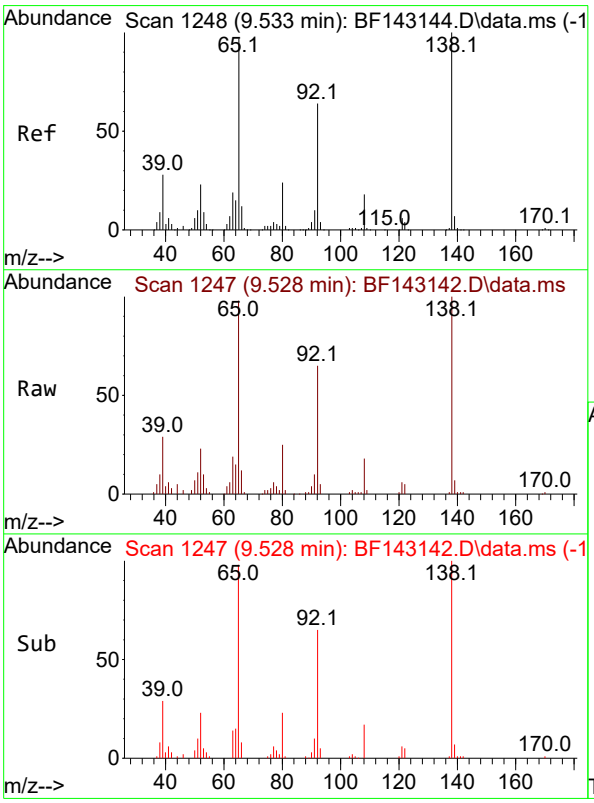
Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.0	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

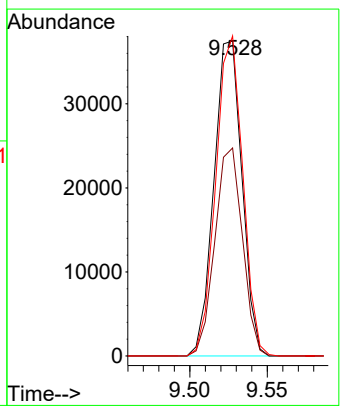
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

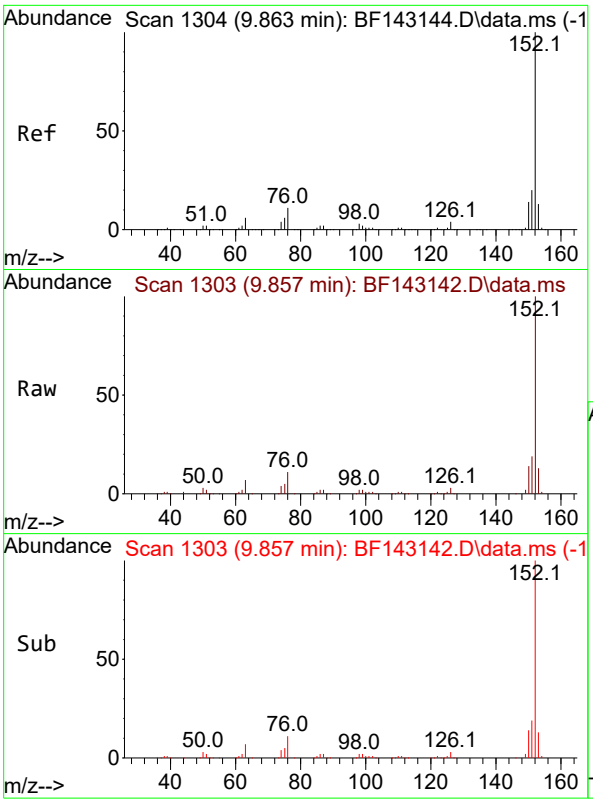


#48
2-Nitroaniline
Concen: 9.198 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 65 Resp: 47055

Ion	Ratio	Lower	Upper
65	100		
92	66.0	52.4	78.6
138	101.6	82.3	123.5

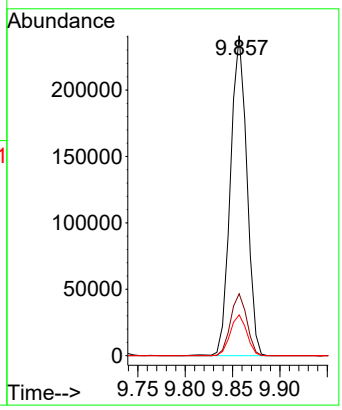




#49
Acenaphthylene
Concen: 10.607 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:152 Resp: 28998

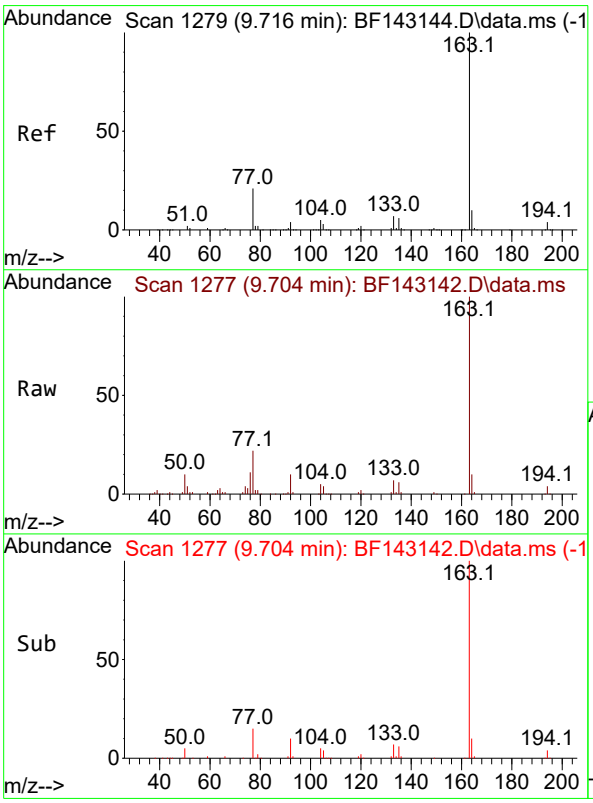
Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.2
153	12.8	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

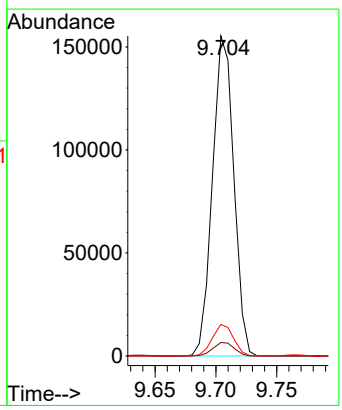
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

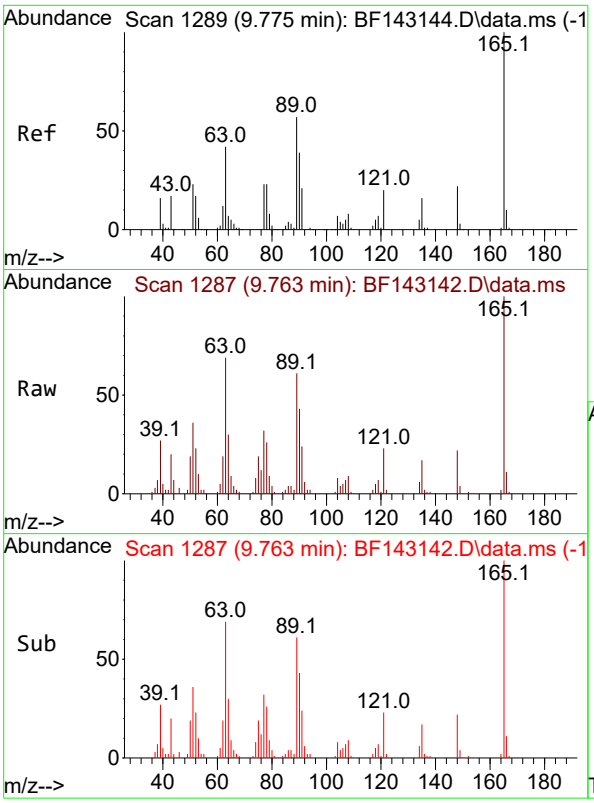


#50
Dimethylphthalate
Concen: 10.283 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:163 Resp: 189399

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.9	8.3	12.5

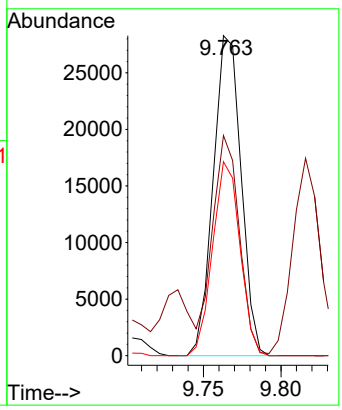




#51
2,6-Dinitrotoluene
Concen: 9.438 ng
RT: 9.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:165 Resp: 3536

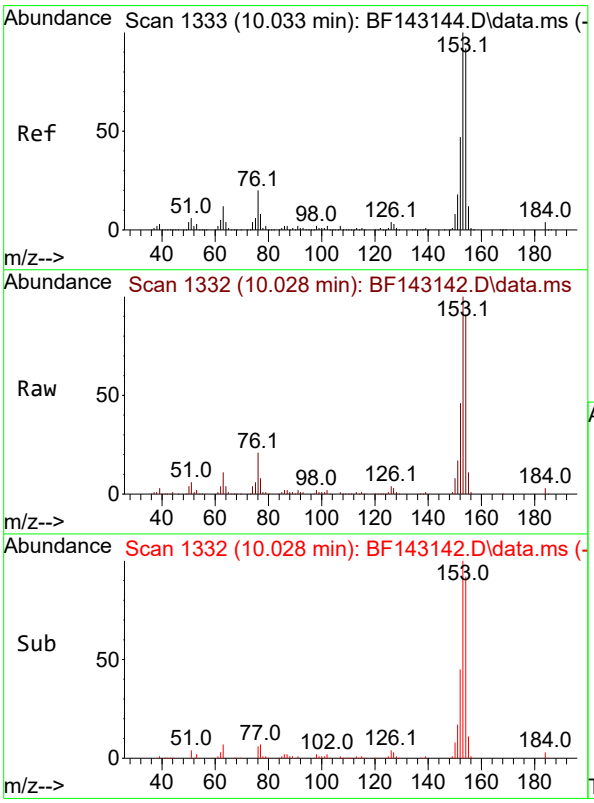
Ion	Ratio	Lower	Upper
165	100		
63	68.8	49.4	74.2
89	60.6	46.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

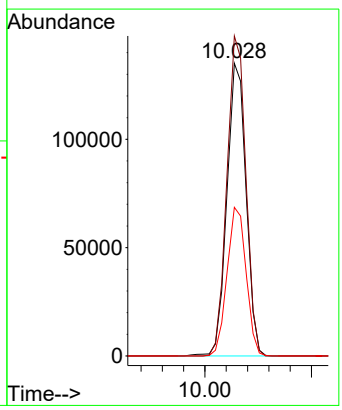
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

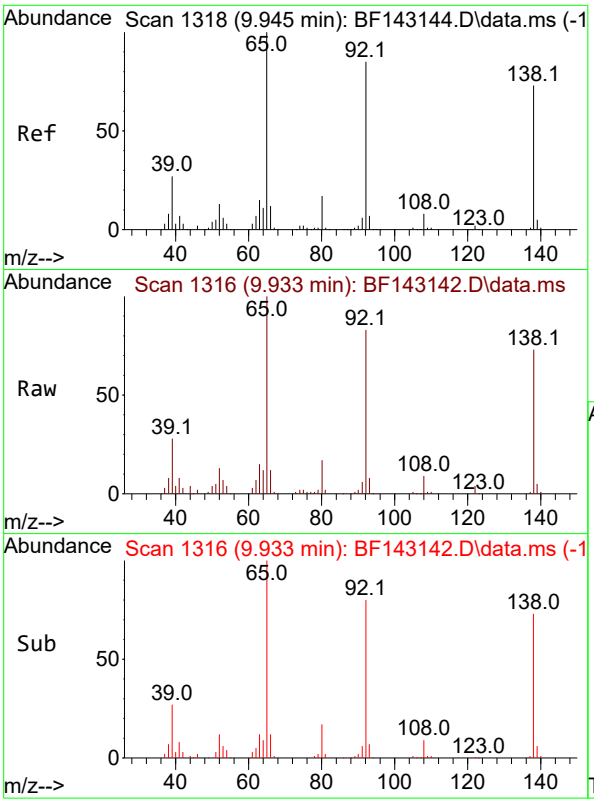


#52
Acenaphthene
Concen: 10.440 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 168698

Ion	Ratio	Lower	Upper
154	100		
153	109.3	86.6	129.8
152	50.8	40.4	60.6





#53
3-Nitroaniline
Concen: 9.667 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

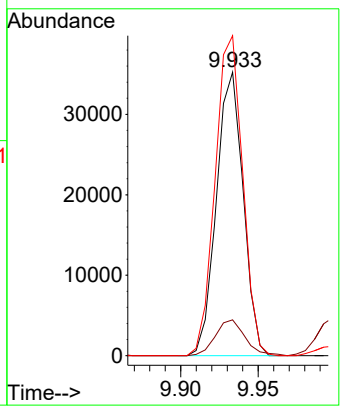
Tgt Ion:138 Resp: 4236

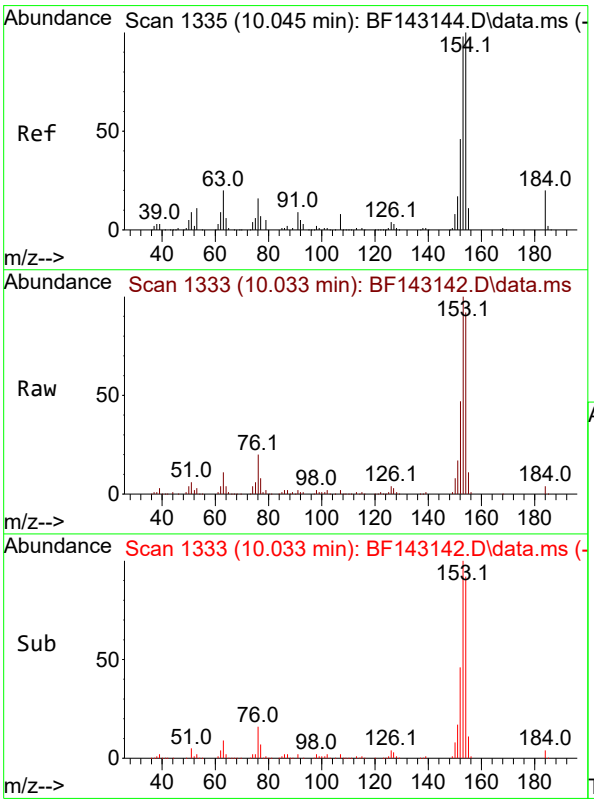
Ion	Ratio	Lower	Upper
138	100		
108	12.7	9.0	13.6
92	112.9	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

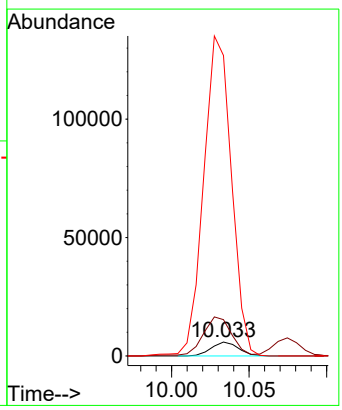


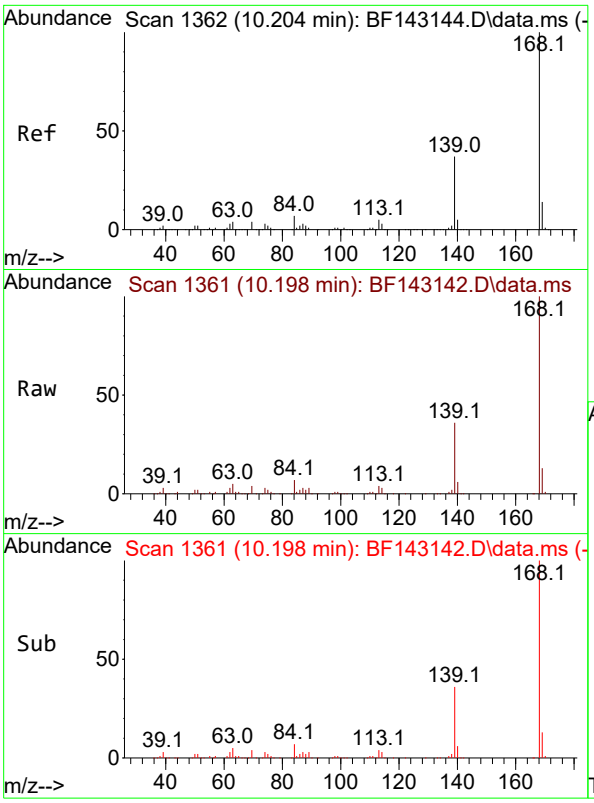


#54
2,4-Dinitrophenol
Concen: 10.522 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:184 Resp: 7147

Ion	Ratio	Lower	Upper
184	100		
63	261.5	81.8	122.6#
154	2164.9	412.2	618.4#

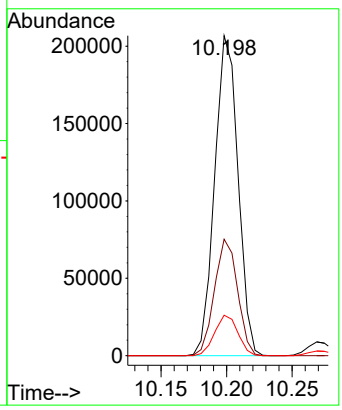




#55
Dibenzofuran
Concen: 10.641 ng
RT: 10.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:168 Resp: 25527

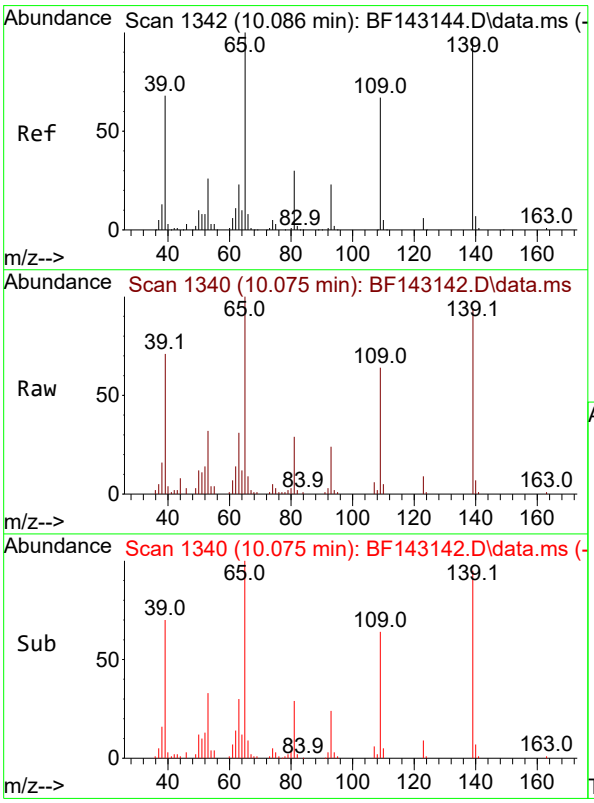
Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.5	44.3
169	12.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

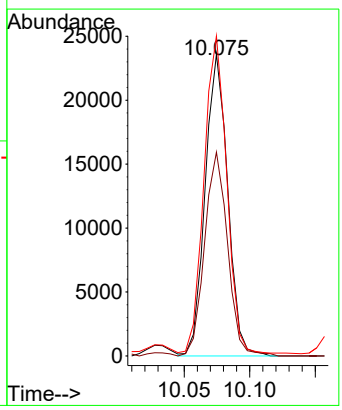
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

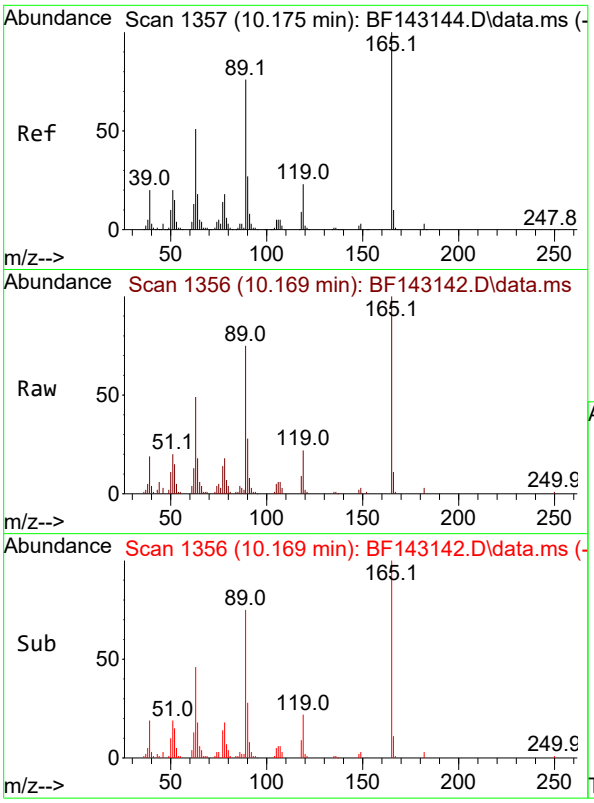


#56
4-Nitrophenol
Concen: 8.627 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:139 Resp: 28233

Ion	Ratio	Lower	Upper
139	100		
109	67.5	48.5	88.5
65	106.0	83.4	123.4

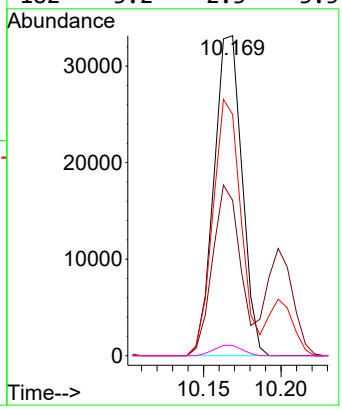




#57
2,4-Dinitrotoluene
Concen: 8.895 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:165 Resp: 4181

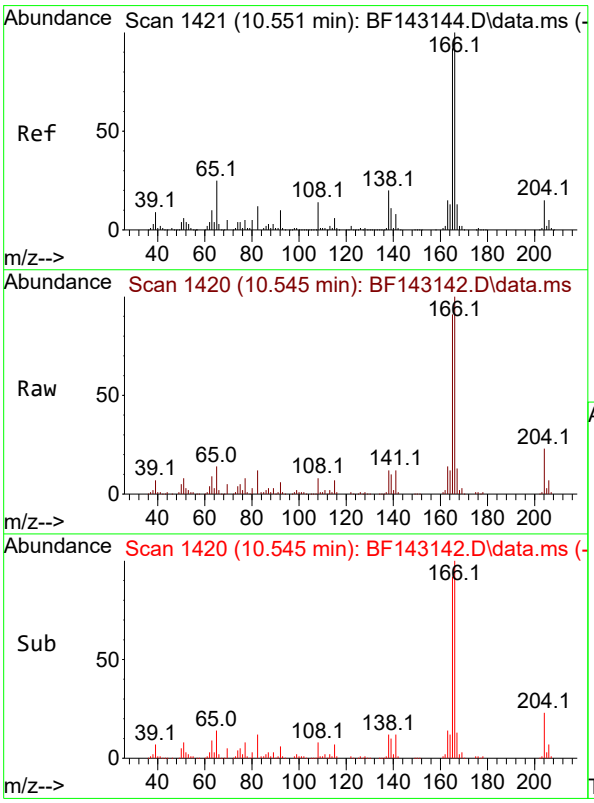
Ion	Ratio	Lower	Upper
165	100		
63	48.5	41.0	61.4
89	75.4	61.1	91.7
182	3.2	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

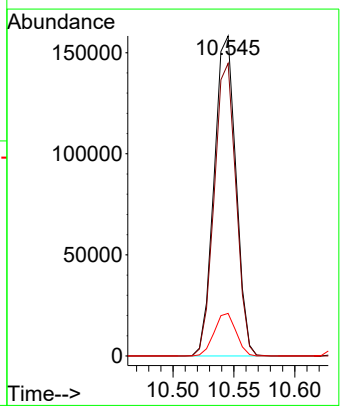
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

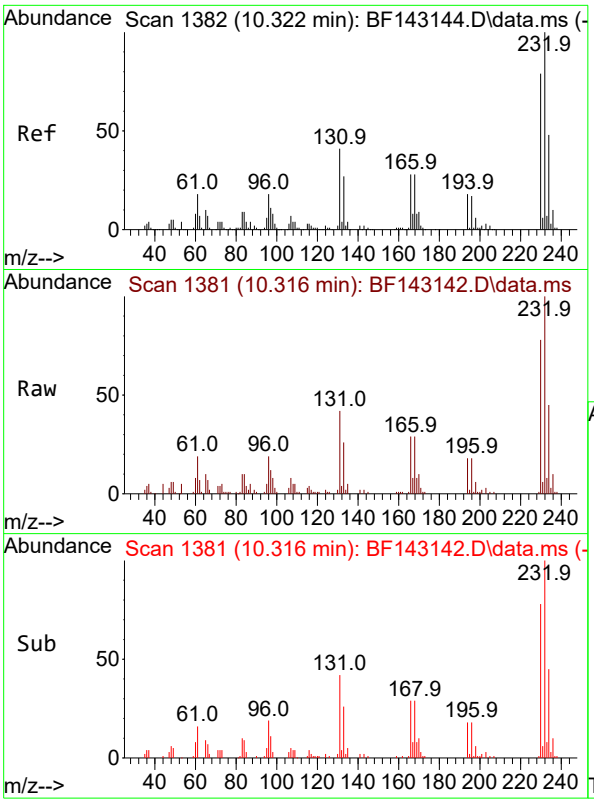


#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:166 Resp: 198041

Ion	Ratio	Lower	Upper
166	100		
165	91.4	73.7	110.5
167	13.3	10.6	16.0

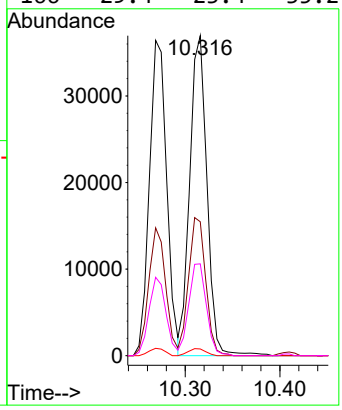




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:232 Resp: 4672

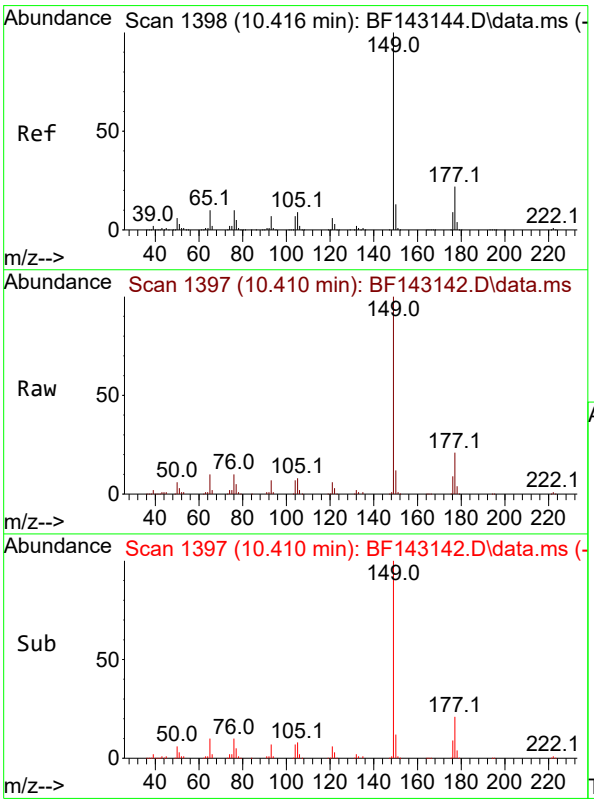
Ion	Ratio	Lower	Upper
232	100		
131	43.0	35.3	52.9
130	2.2	1.7	2.5
166	29.4	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

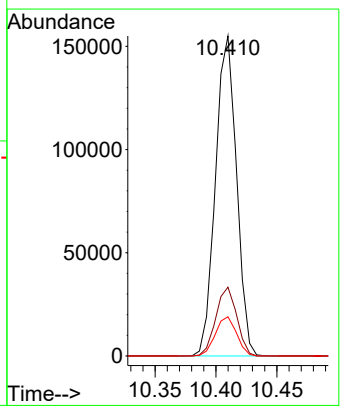
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

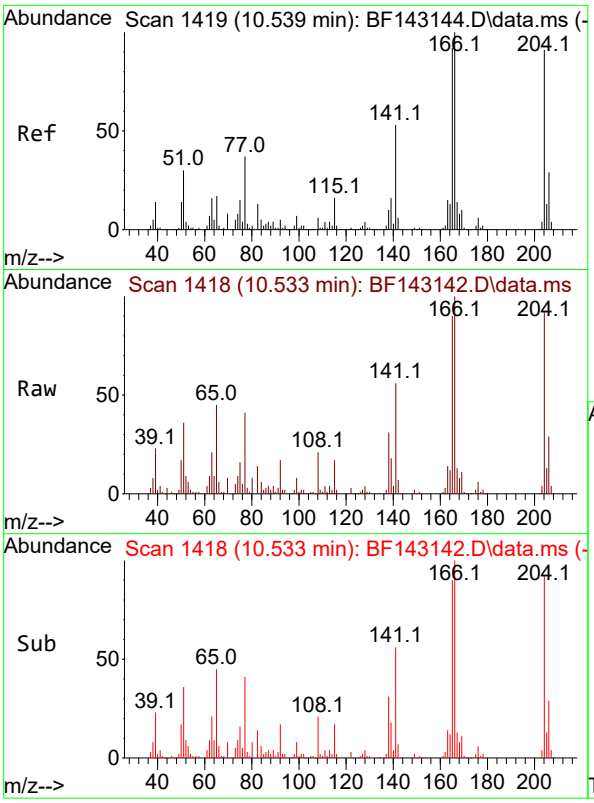


#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 186802

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.5	26.3
150	12.3	10.2	15.2

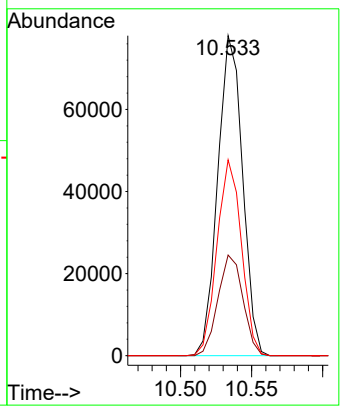




#61
4-Chlorophenyl-phenylether
Concen: 10.561 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:204 Resp: 9468

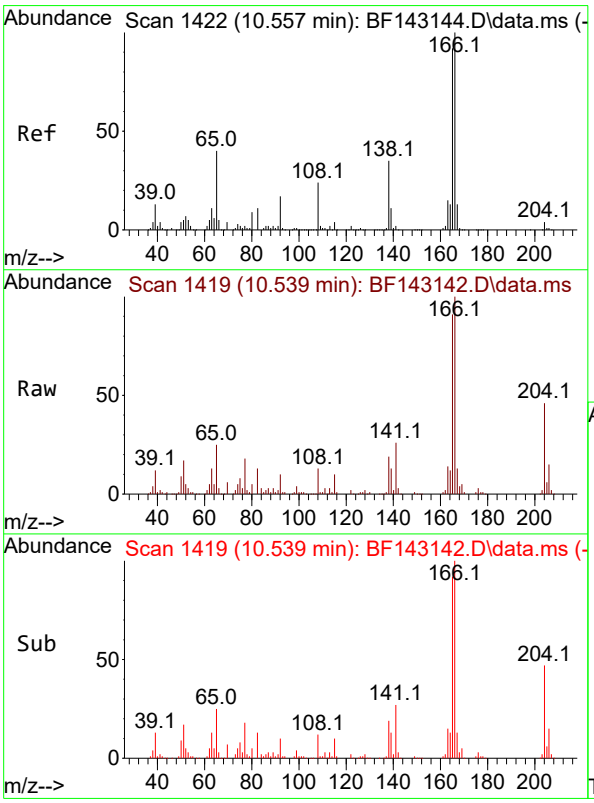
Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.8	38.8
141	61.2	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

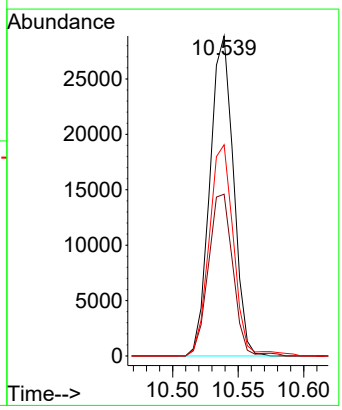
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

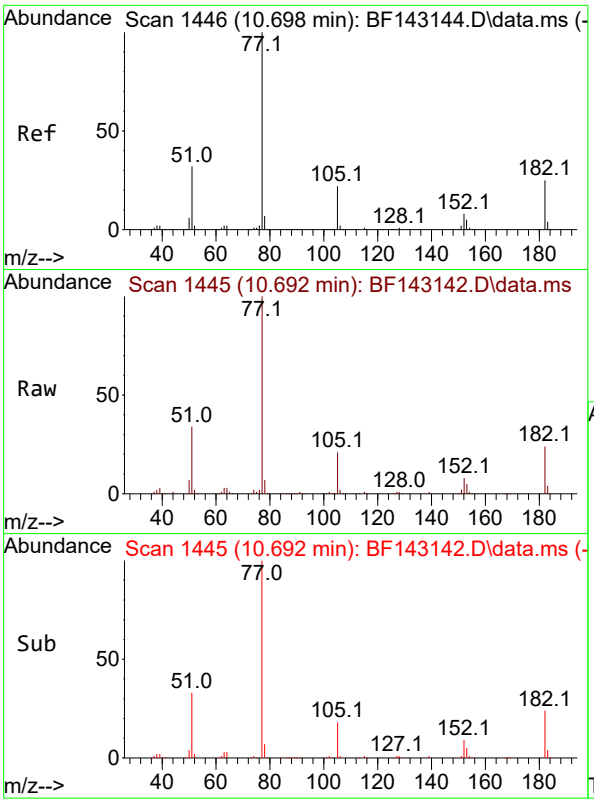


#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:138 Resp: 35962

Ion	Ratio	Lower	Upper
138	100		
92	50.5	29.3	69.3
108	66.0	48.3	88.3

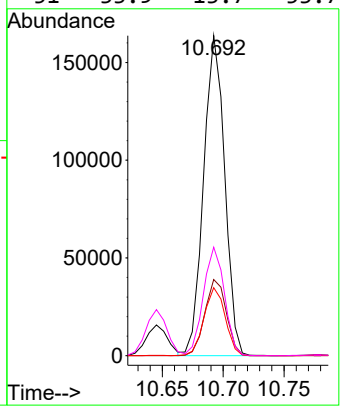




#63
Azobenzene
Concen: 10.435 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 77 Resp: 19799

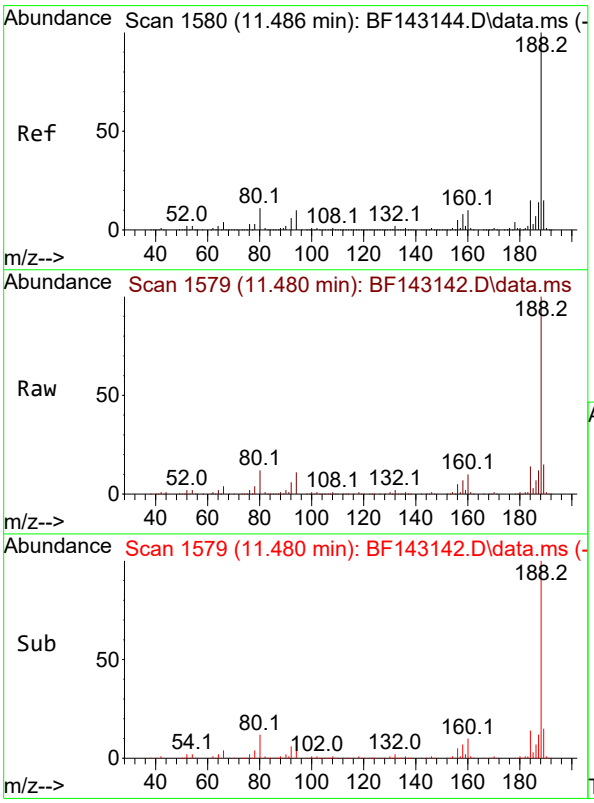
Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.6	44.6
105	21.2	1.4	41.4
51	33.9	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

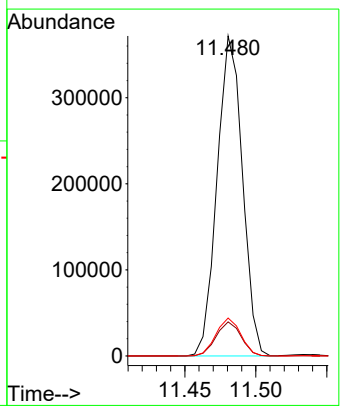
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

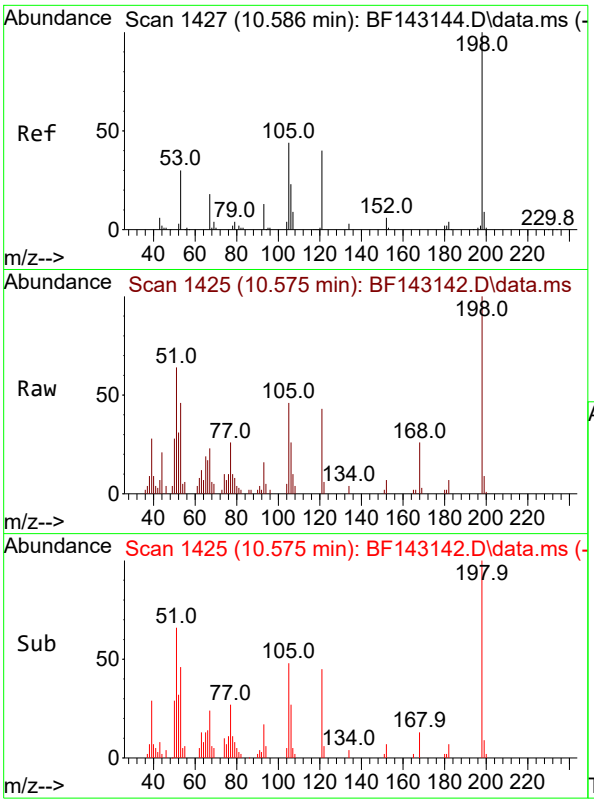


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:188 Resp: 461255

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	11.8	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

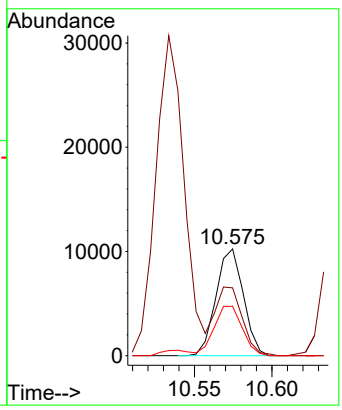
Tgt Ion:198 Resp: 1254

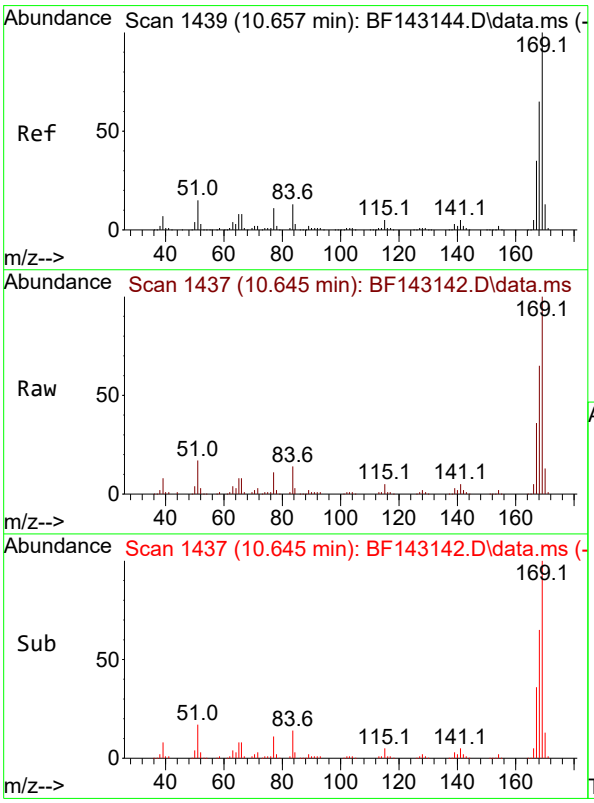
Ion	Ratio	Lower	Upper
198	100		
51	63.6	37.2	77.2
105	46.4	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

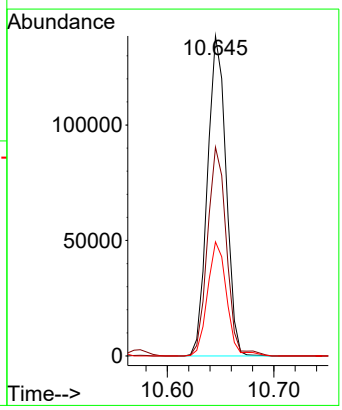


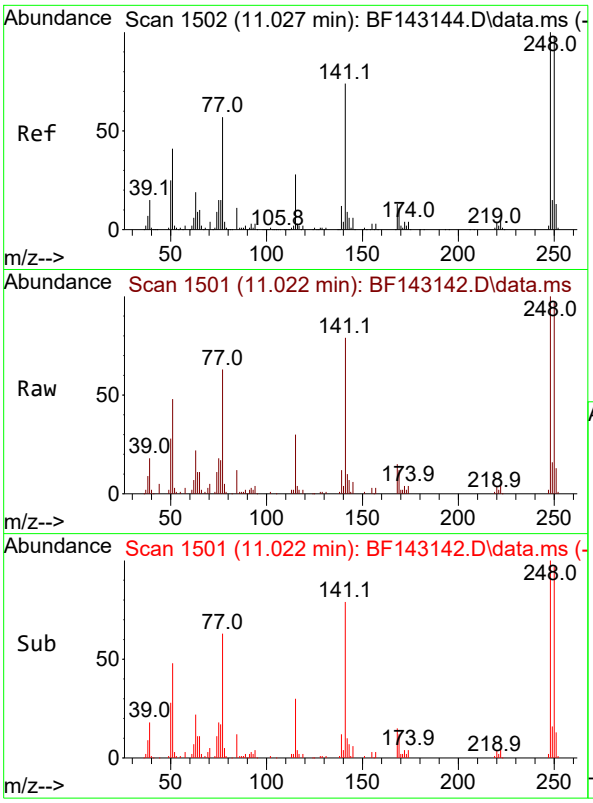


#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:169 Resp: 167901

Ion	Ratio	Lower	Upper
169	100		
168	65.2	52.1	78.1
167	35.6	28.2	42.2

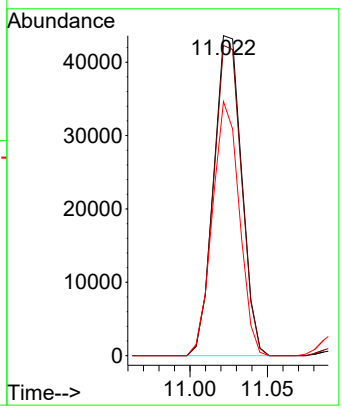




#67
4-Bromophenyl-phenylether
Concen: 9.978 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:248 Resp: 5484

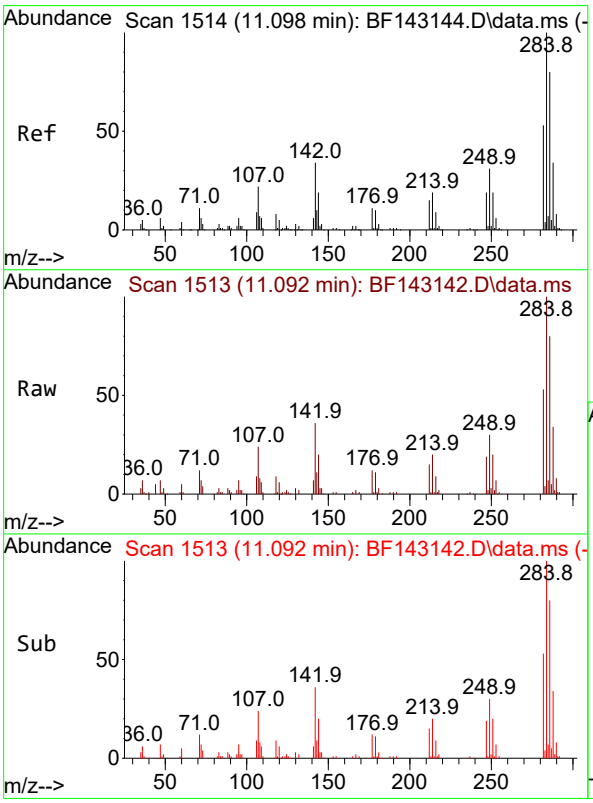
Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.3	117.5
141	79.4	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

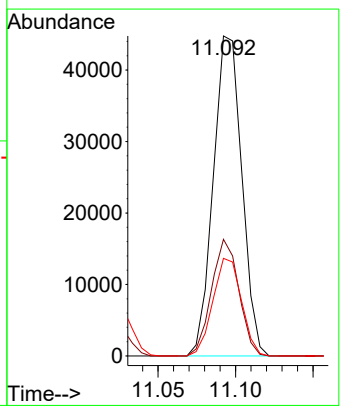
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

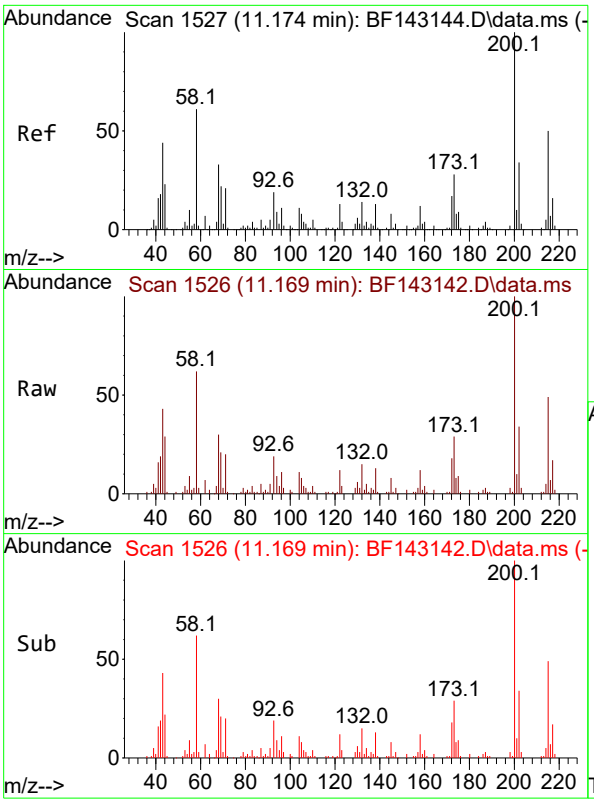


#68
Hexachlorobenzene
Concen: 9.974 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:284 Resp: 57305

Ion	Ratio	Lower	Upper
284	100		
142	36.4	27.0	40.6
249	30.5	25.0	37.6

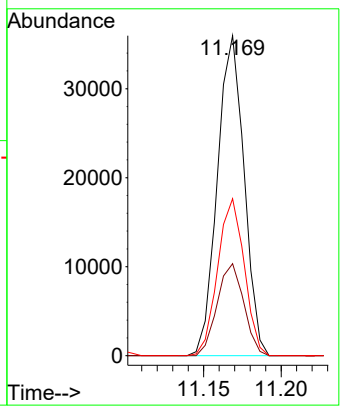




#69
Atrazine
Concen: 9.613 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:200 Resp: 4304

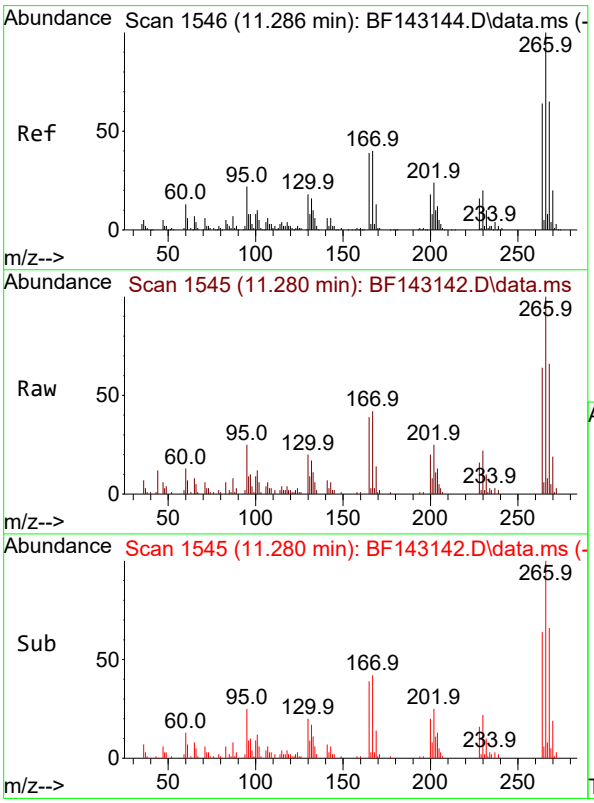
Ion	Ratio	Lower	Upper
200	100		
173	28.7	7.9	47.9
215	49.1	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

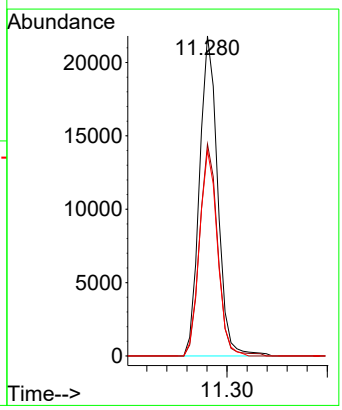
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

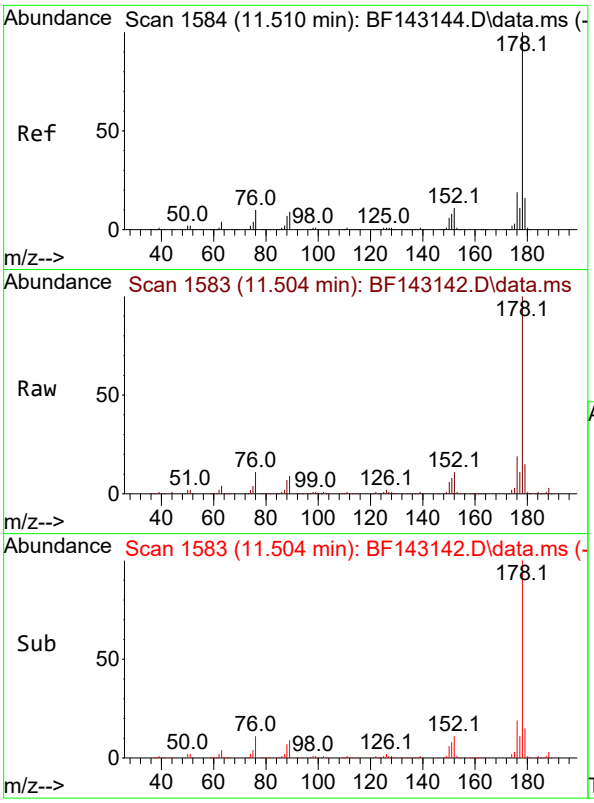


#70
Pentachlorophenol
Concen: 8.148 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:266 Resp: 27529

Ion	Ratio	Lower	Upper
266	100		
268	66.2	51.9	77.9
264	64.3	51.0	76.6

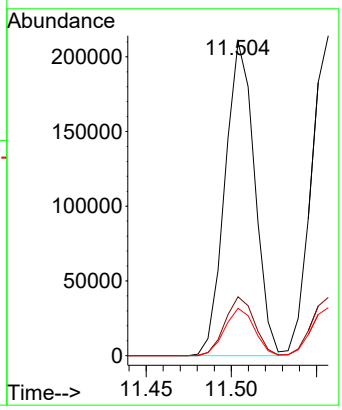




#71
Phenanthrene
Concen: 10.361 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:178 Resp: 25375

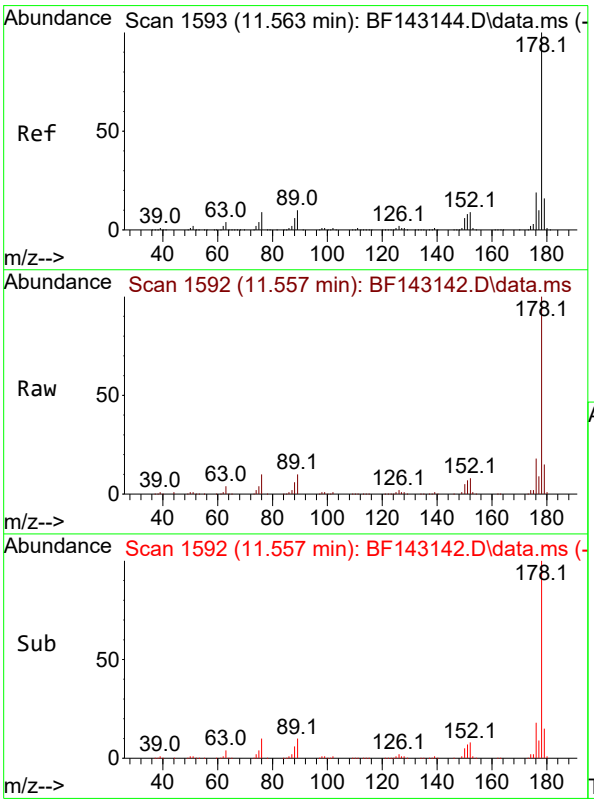
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.1	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

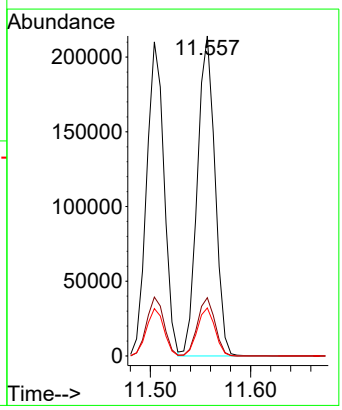
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

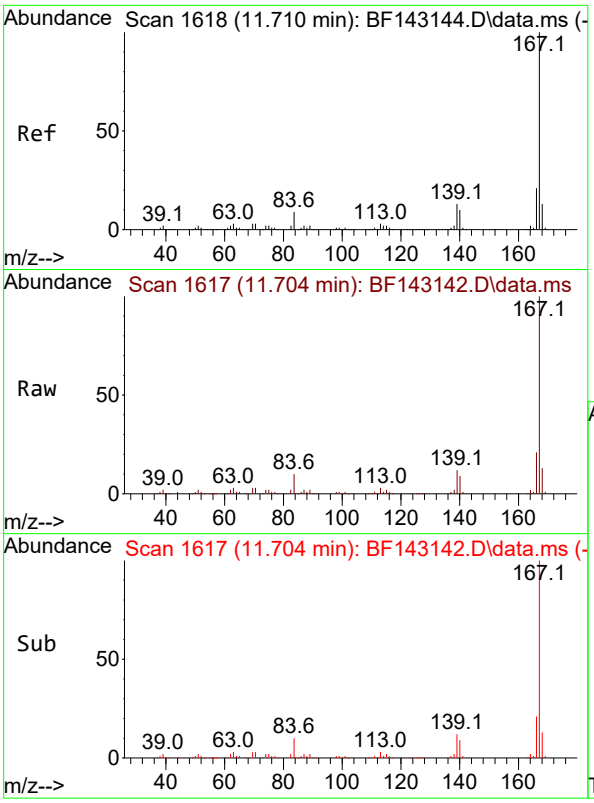


#72
Anthracene
Concen: 10.487 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:178 Resp: 261960

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.0	12.5	18.7

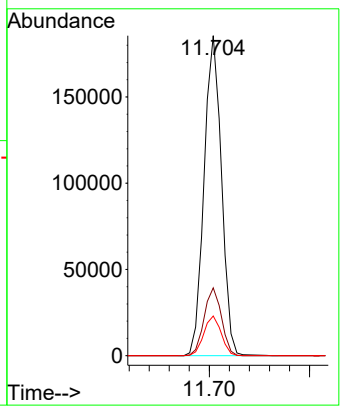




#73
Carbazole
Concen: 10.241 ng
RT: 11.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:167 Resp: 22337

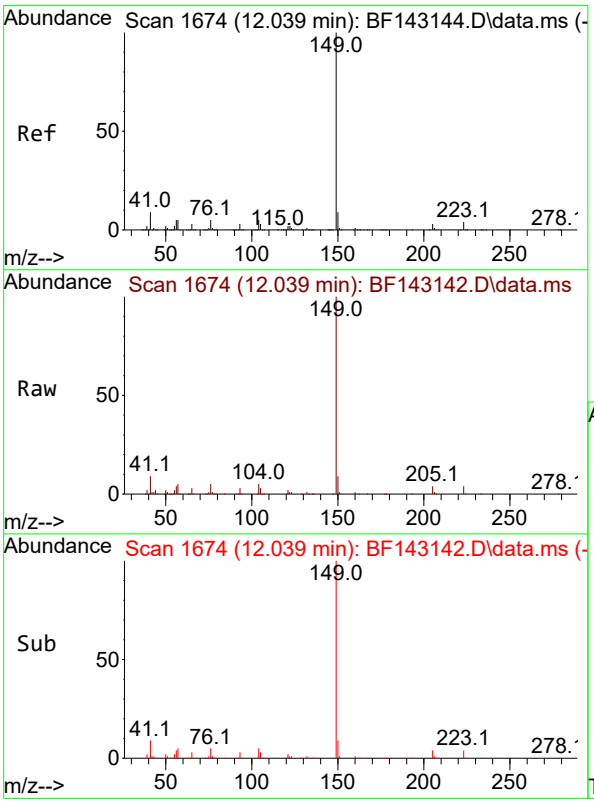
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.4	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

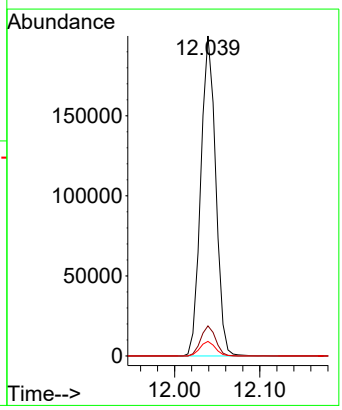
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

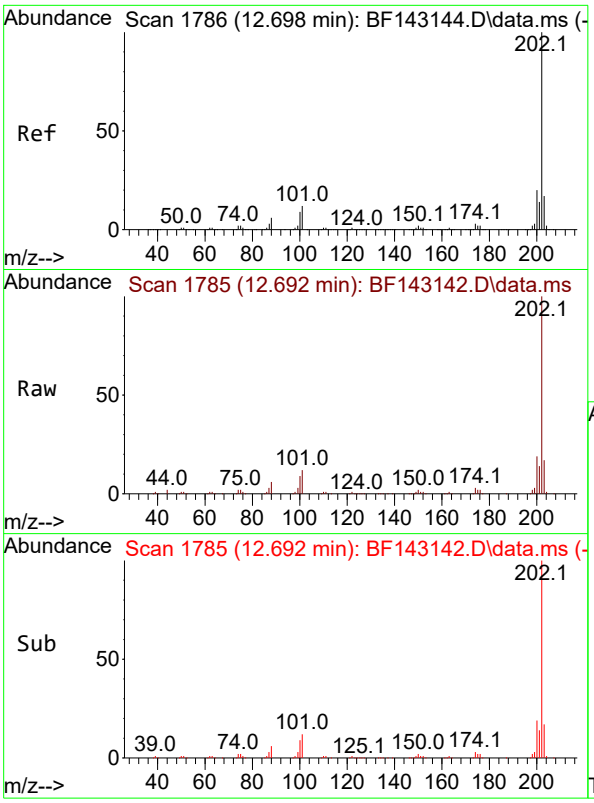


#74
Di-n-butylphthalate
Concen: 9.852 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 243142

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.6	3.8	5.8

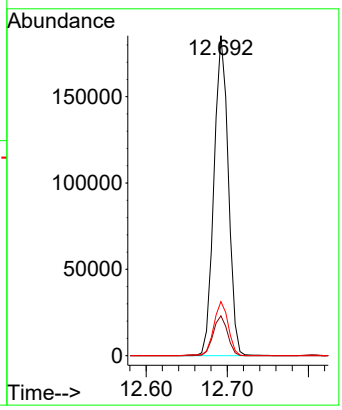




#75
Fluoranthene
Concen: 10.129 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:202 Resp: 22770

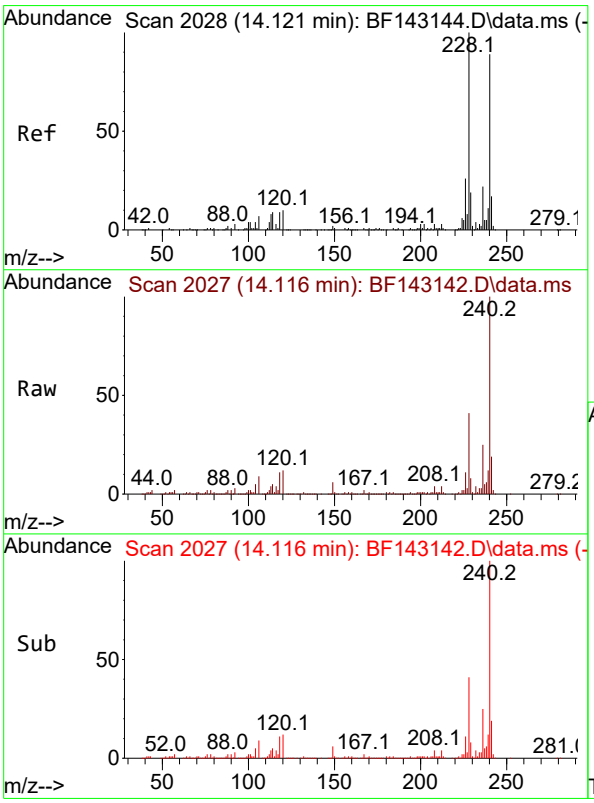
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.7
203	16.9	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

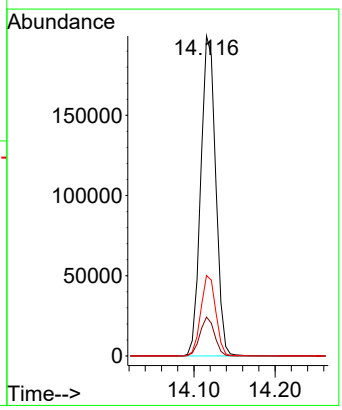
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

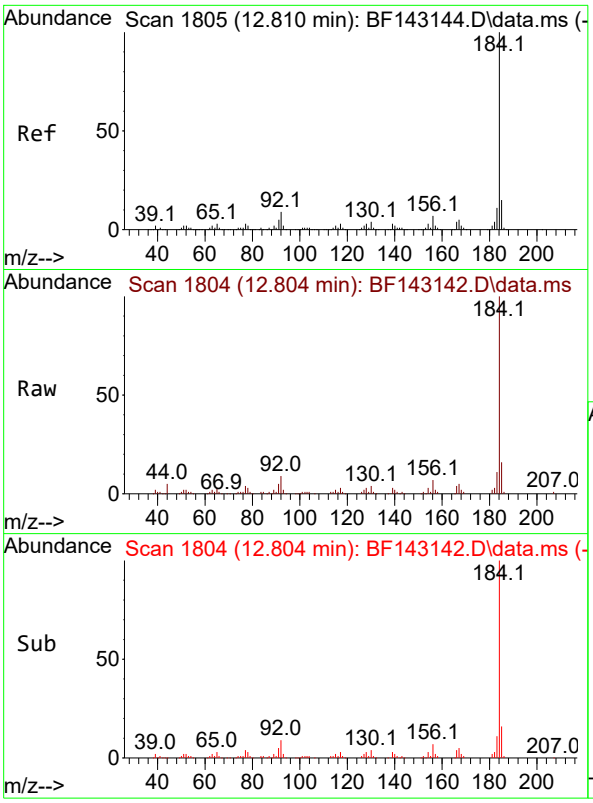


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:240 Resp: 254650

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.4	14.2
236	25.1	20.2	30.4

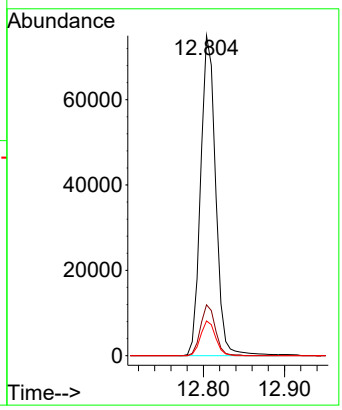




#77
Benzidine
Concen: 9.834 ng
RT: 12.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:184 Resp: 9648

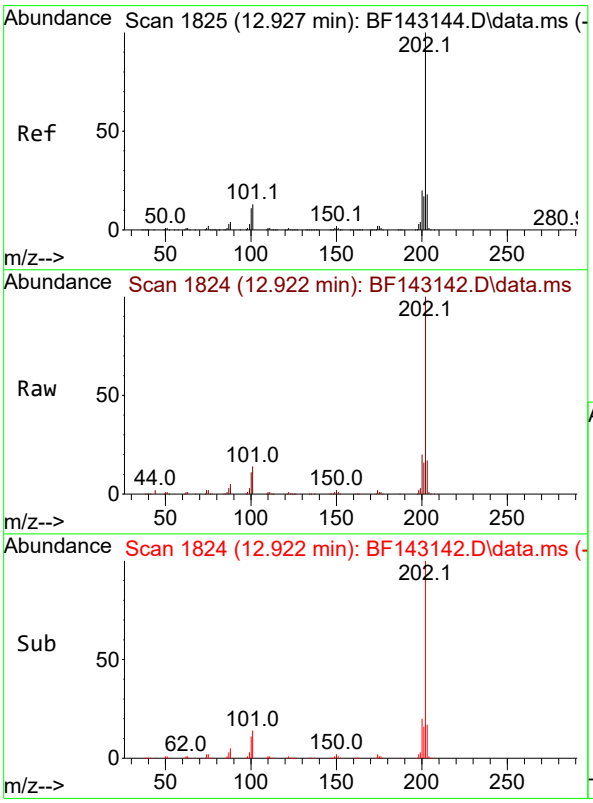
Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.2	18.4
183	10.9	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

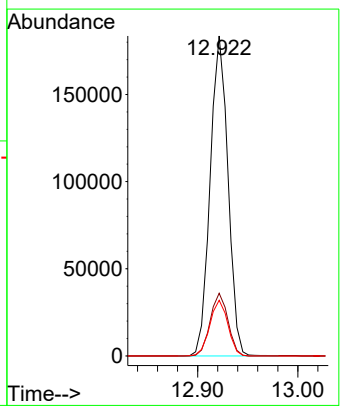
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

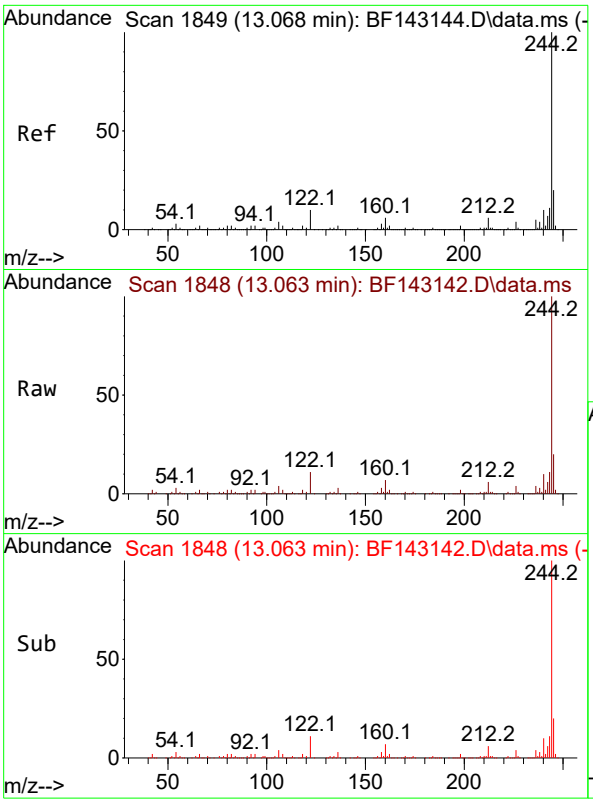


#78
Pyrene
Concen: 10.445 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:202 Resp: 227008

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.4	14.2	21.2

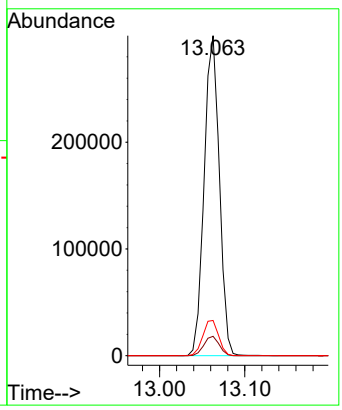




#79
Terphenyl-d14
Concen: 21.669 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:244 Resp: 37080

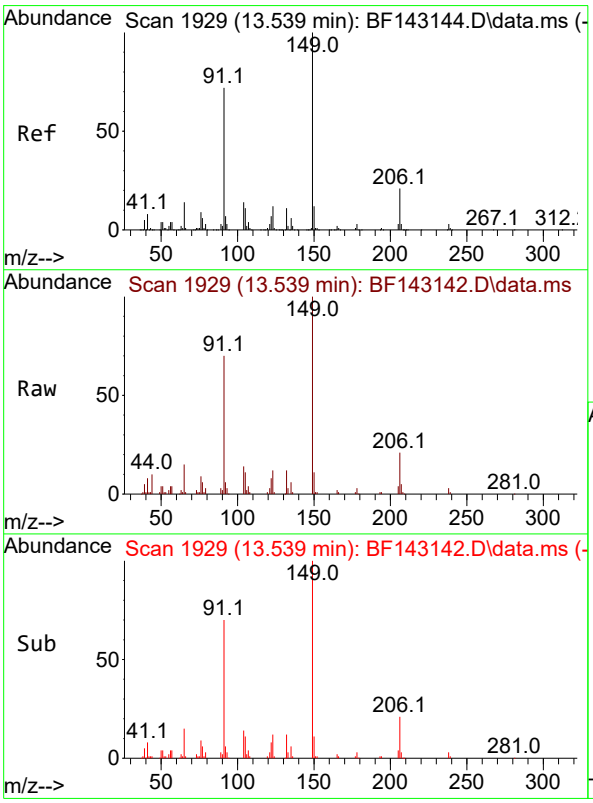
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.2	7.8
122	11.0	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

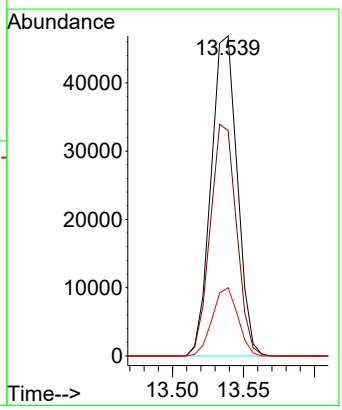
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

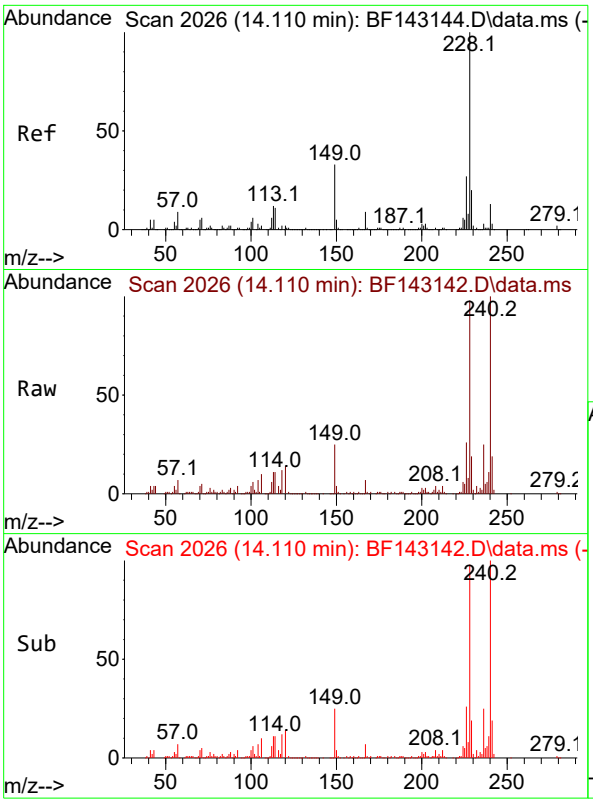


#80
Butylbenzylphthalate
Concen: 9.024 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 60055

Ion	Ratio	Lower	Upper
149	100		
91	70.4	57.9	86.9
206	21.3	17.0	25.4

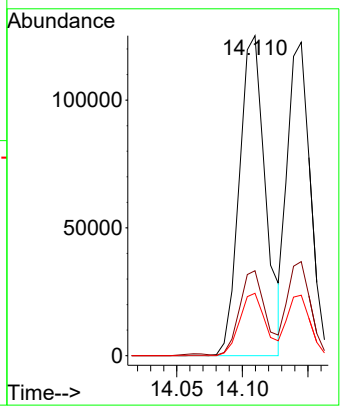




#81
Benzo(a)anthracene
Concen: 10.207 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:228 Resp: 17402

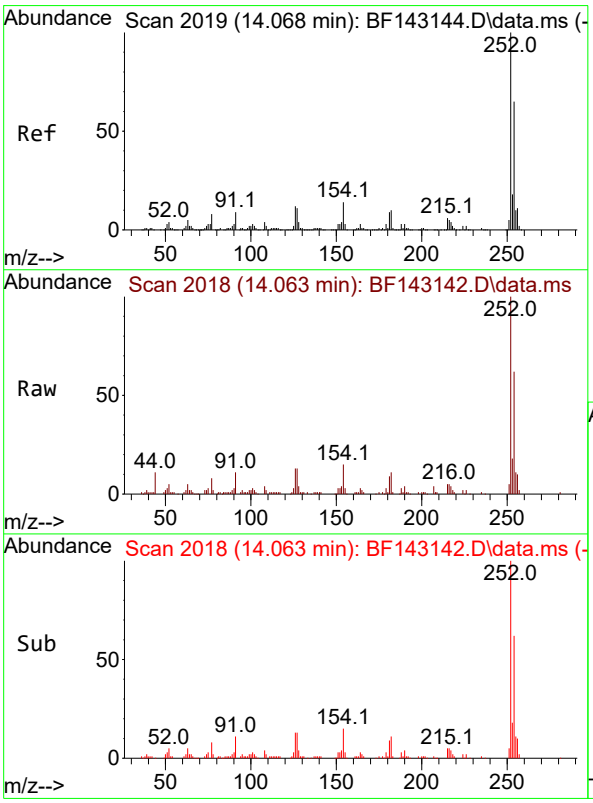
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

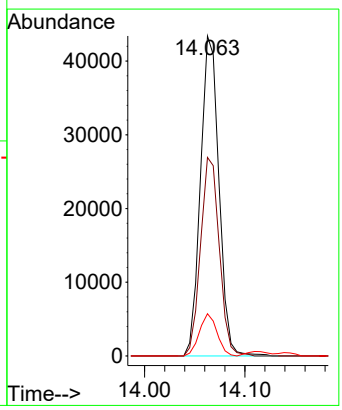
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

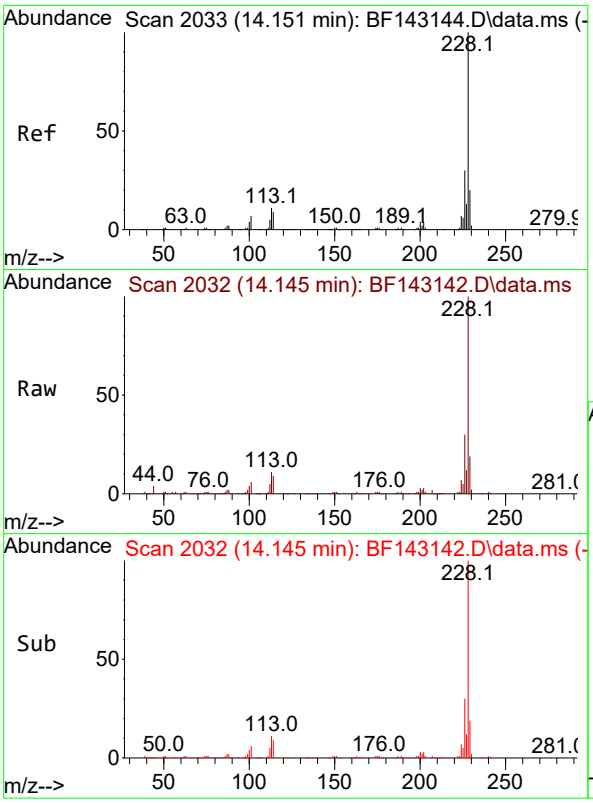


#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 55694

Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.7	77.5
126	13.2	9.4	14.0

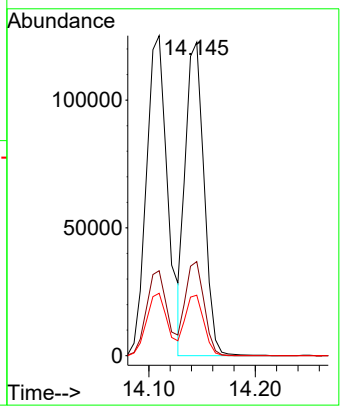




#83
Chrysene
Concen: 9.750 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:228 Resp: 14944(

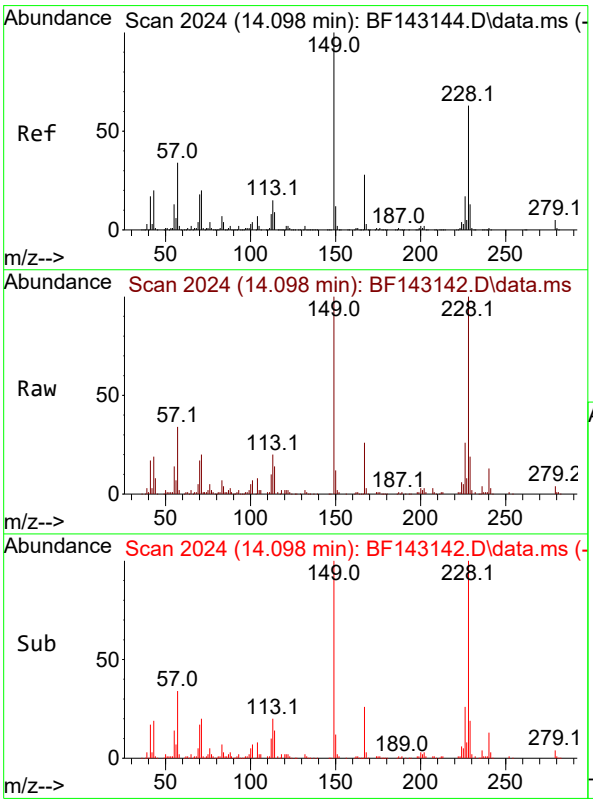
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	19.3	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

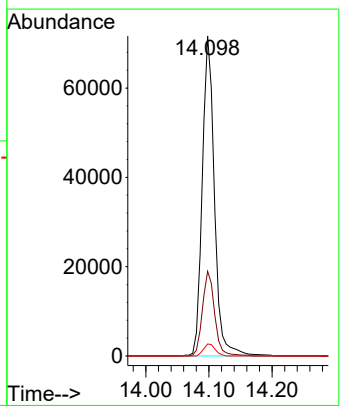
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

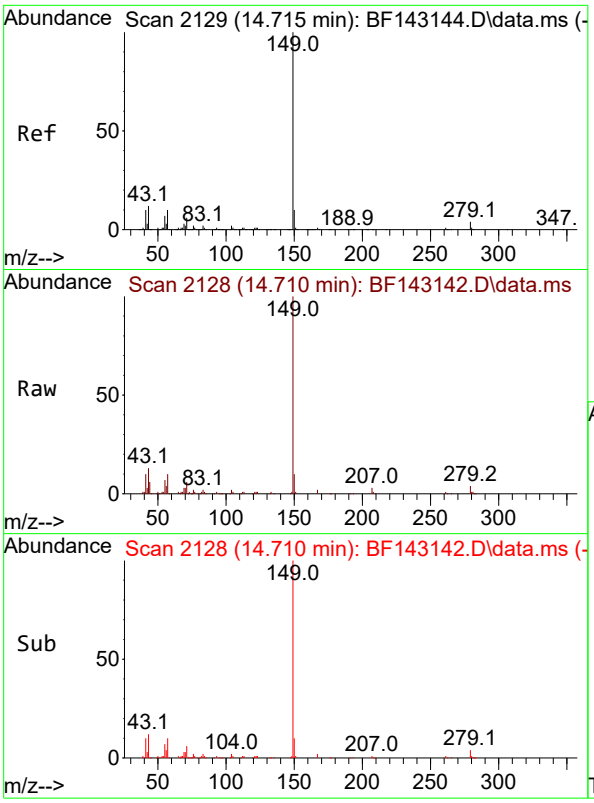


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.549 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 96191

Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.3	33.5
279	3.7	3.6	5.4

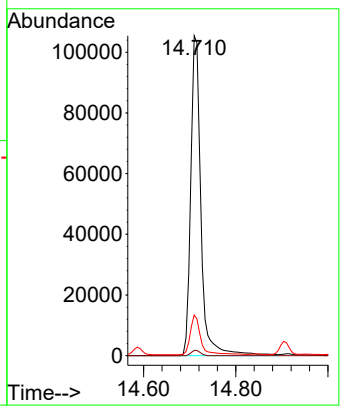




#85
Di-n-octyl phthalate
Concen: 8.881 ng
RT: 14.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 16215

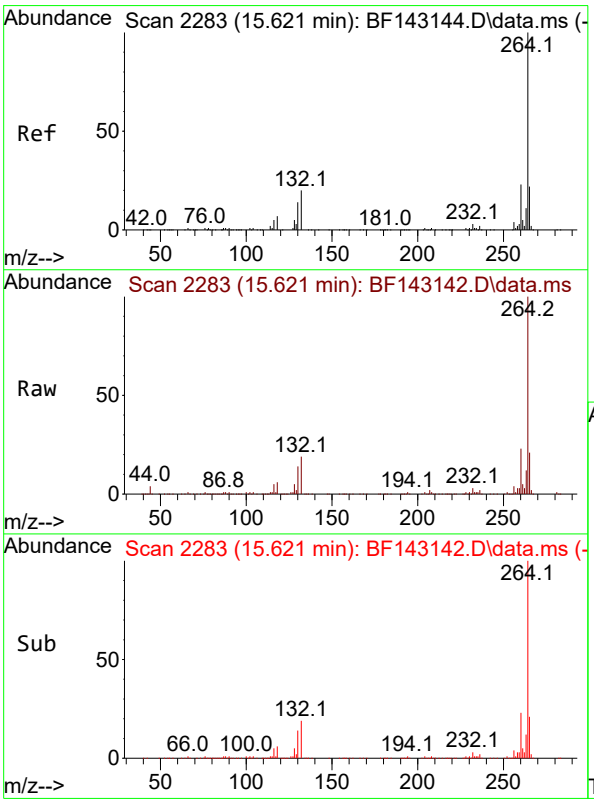
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.7	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

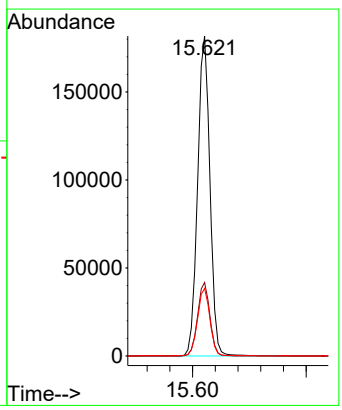
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

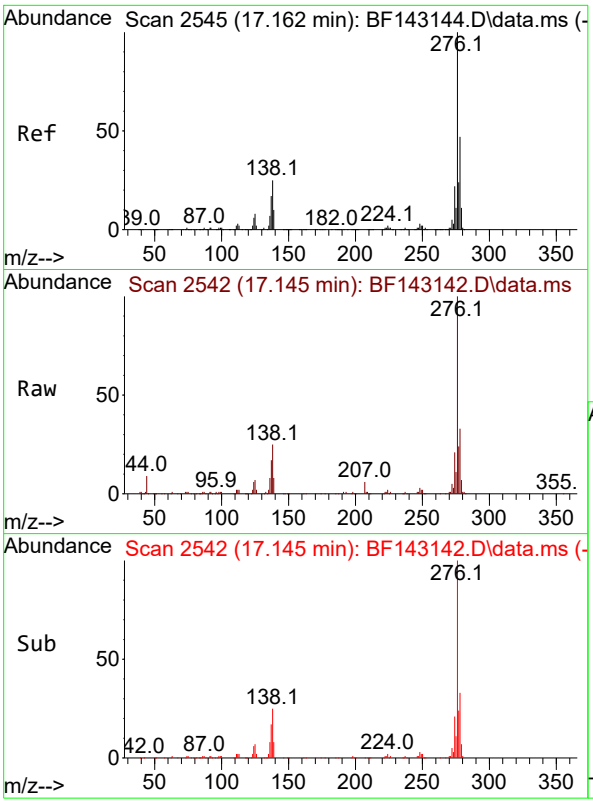


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:264 Resp: 273706

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.1	17.4	26.2

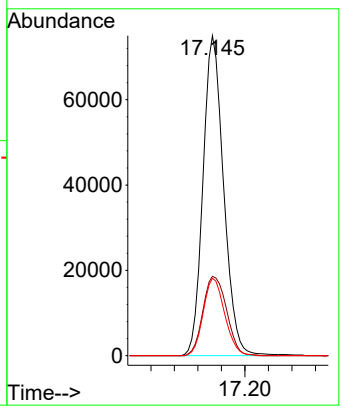




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.475 ng
RT: 17.145 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:276 Resp: 18286

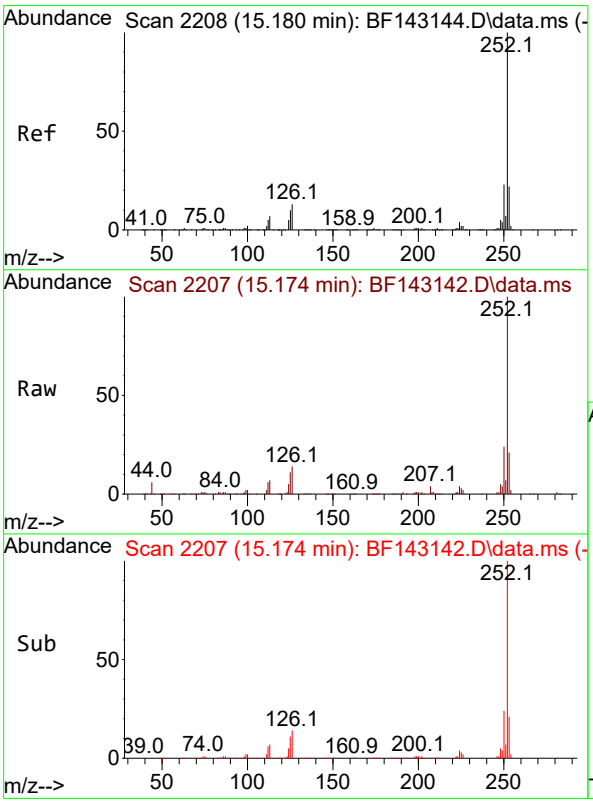
Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.6
277	25.1	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

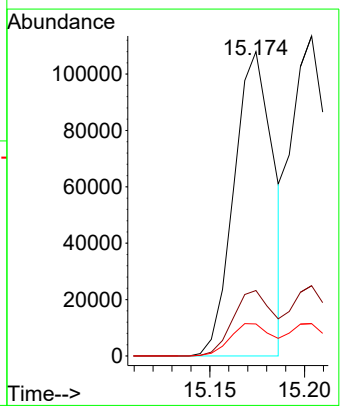
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

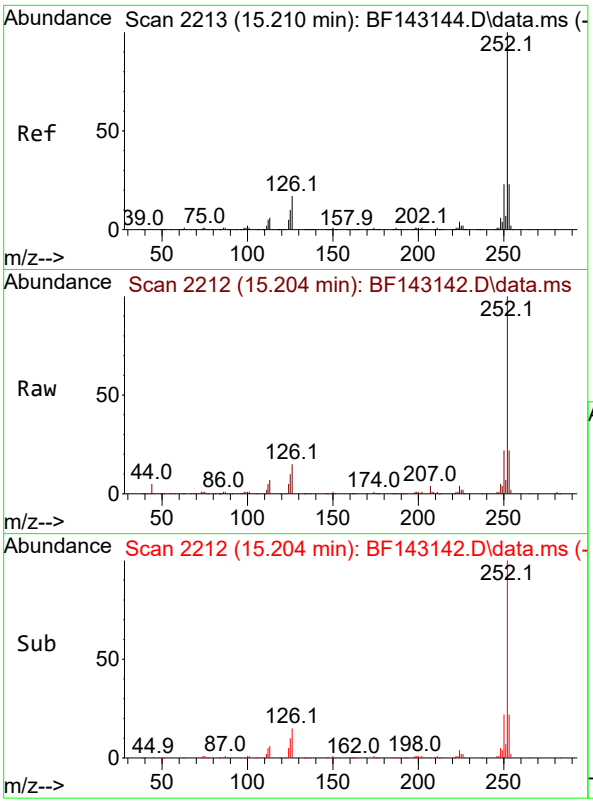


#88
Benzo(b)fluoranthene
Concen: 9.296 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 155430

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.5	8.0	12.0





#89
Benzo(k)fluoranthene
Concen: 10.567 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

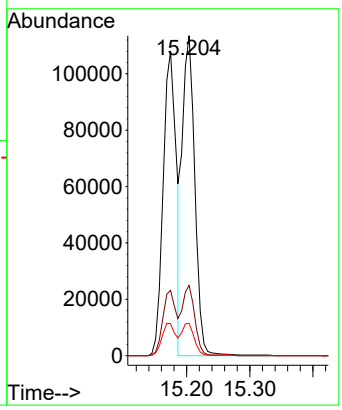
Tgt Ion:252 Resp: 15766

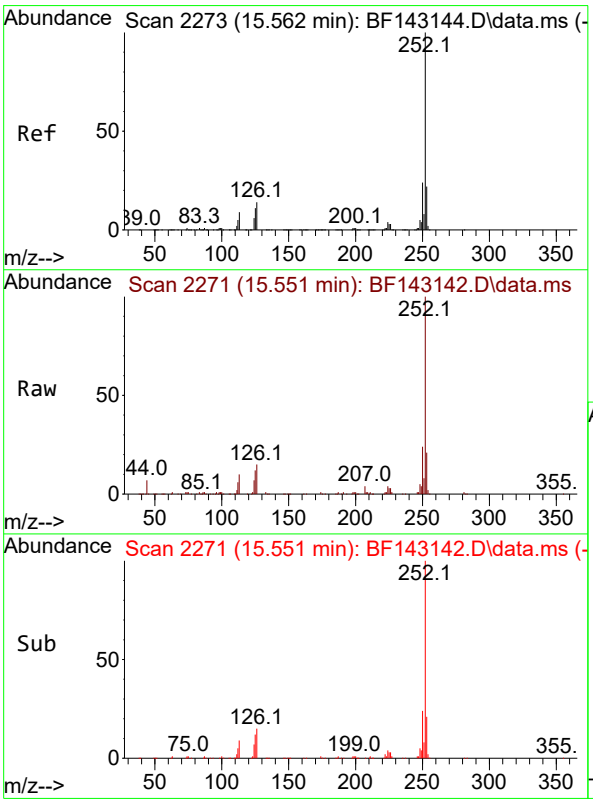
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.1	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

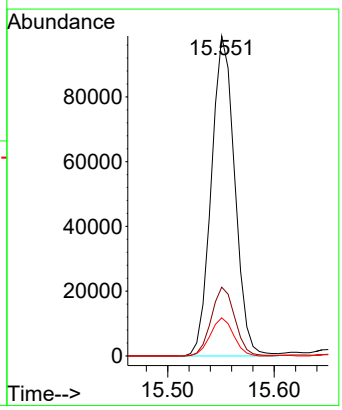


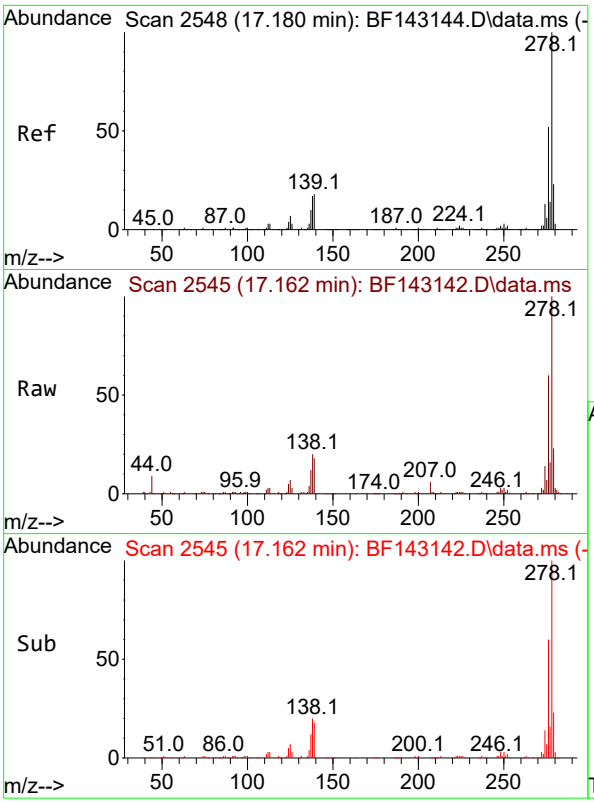


#90
Benzo(a)pyrene
Concen: 9.792 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 150853

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	11.9	8.6	13.0

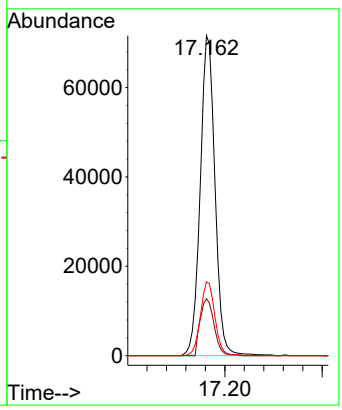




#91
Dibenzo(a,h)anthracene
Concen: 9.611 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:278 Resp: 15097

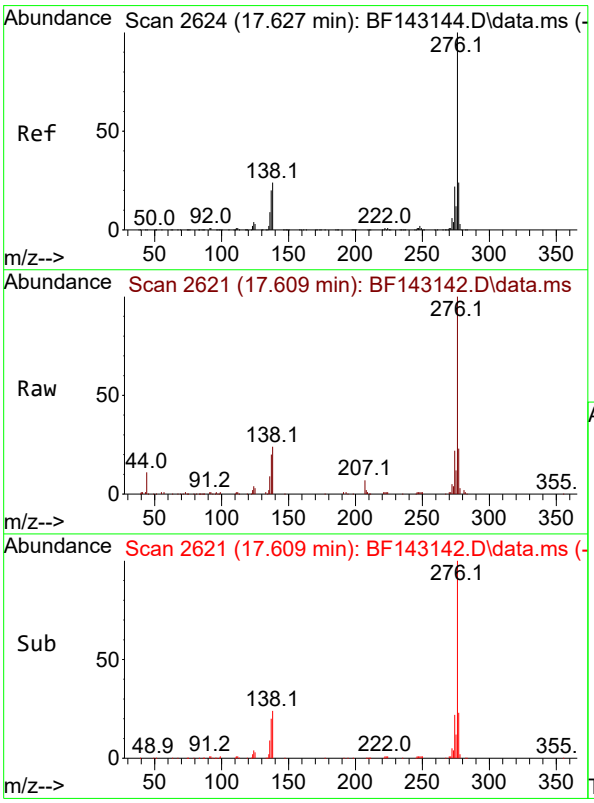
Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.1	21.1
279	23.1	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

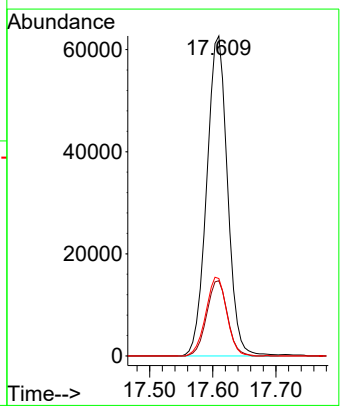
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:276 Resp: 143342

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.1	28.7
138	24.2	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143143.D
Acq On : 17 Jul 2025 12:34
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	168491	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	642580	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	329670	20.000	ng		0.00
64) Phenanthrene-d10	11.480	188	532921	20.000	ng		0.00
76) Chrysene-d12	14.121	240	305398	20.000	ng		0.00
86) Perylene-d12	15.621	264	338518	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	444546	41.752	ng		0.00
7) Phenol-d6	6.575	99	558427	41.668	ng		-0.01
23) Nitrobenzene-d5	7.516	82	535581m	41.547	ng		0.00
42) 2,4,6-Tribromophenol	10.780	330	139748	41.034	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1019688	42.301	ng		0.00
79) Terphenyl-d14	13.063	244	866830	42.238	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	103481	20.540	ng		99
3) Pyridine	3.581	79	261405	19.990	ng		99
4) n-Nitrosodimethylamine	3.510	42	134638	19.942	ng		99
6) Aniline	6.622	93	382991	20.505	ng		99
8) 2-Chlorophenol	6.745	128	231044	20.702	ng		98
9) Benzaldehyde	6.510	77	196003	19.504	ng		98
10) Phenol	6.593	94	299259m	20.497	ng		
11) bis(2-Chloroethyl)ether	6.692	93	232425	20.792	ng		98
12) 1,3-Dichlorobenzene	6.904	146	251734	20.763	ng		99
13) 1,4-Dichlorobenzene	6.981	146	253137	20.733	ng		100
14) 1,2-Dichlorobenzene	7.134	146	243437	20.963	ng		99
15) Benzyl Alcohol	7.092	79	210016	20.524	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	428827	20.680	ng		100
17) 2-Methylphenol	7.198	107	192172	20.479	ng		99
18) Hexachloroethane	7.481	117	88036	20.828	ng		98
19) n-Nitroso-di-n-propyla...	7.363	70	173142	20.137	ng		97
20) 3+4-Methylphenols	7.351	107	247578	21.745	ng		96
22) Acetophenone	7.363	105	321774	21.151	ng	#	99
24) Nitrobenzene	7.534	77	249251	20.739	ng		98
25) Isophorone	7.775	82	457146	20.088	ng		99
26) 2-Nitrophenol	7.851	139	105681	20.261	ng		98
27) 2,4-Dimethylphenol	7.887	122	218960	20.594	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	283946	20.811	ng		100
29) 2,4-Dichlorophenol	8.092	162	184432	20.569	ng		99
30) 1,2,4-Trichlorobenzene	8.181	180	204103	21.070	ng		98
31) Naphthalene	8.263	128	662968	20.949	ng		100
32) Benzoic acid	7.957	122	95515m	19.382	ng		
33) 4-Chloroaniline	8.304	127	269101	20.825	ng		99
34) Hexachlorobutadiene	8.386	225	122624	20.722	ng		98
35) Caprolactam	8.651	113	53950	19.911	ng		95
36) 4-Chloro-3-methylphenol	8.775	107	197317	20.246	ng		99
37) 2-Methylnaphthalene	8.957	142	403298	20.943	ng		100
38) 1-Methylnaphthalene	9.057	142	417629	21.060	ng		100
40) 1,2,4,5-Tetrachloroben...	9.122	216	198009	20.804	ng		99
41) Hexachlorocyclopentadiene	9.116	237	122922	19.848	ng		100
43) 2,4,6-Trichlorophenol	9.228	196	135703	20.601	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143143.D
Acq On : 17 Jul 2025 12:34
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	135634	20.584	ng		99
46) 1,1'-Biphenyl	9.416	154	540637	21.019	ng		100
47) 2-Chloronaphthalene	9.445	162	393002	20.650	ng		99
48) 2-Nitroaniline	9.528	65	122517	20.528	ng		99
49) Acenaphthylene	9.857	152	663048	20.789	ng		100
50) Dimethylphthalate	9.710	163	441768	20.558	ng		100
51) 2,6-Dinitrotoluene	9.769	165	89742	20.529	ng		97
52) Acenaphthene	10.033	154	390249	20.702	ng		99
53) 3-Nitroaniline	9.933	138	103870	20.314	ng		94
54) 2,4-Dinitrophenol	10.039	184	26820	19.073	ng	#	1
55) Dibenzofuran	10.204	168	582320	20.806	ng		98
56) 4-Nitrophenol	10.081	139	75275	19.715	ng		99
57) 2,4-Dinitrotoluene	10.169	165	112851	20.577	ng		99
58) Fluorene	10.545	166	435866	20.750	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	113851	20.859	ng		100
60) Diethylphthalate	10.410	149	440058	20.719	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	216496	20.699	ng		99
62) 4-Nitroaniline	10.545	138	87666	20.005	ng		99
63) Azobenzene	10.698	77	458013	20.690	ng		99
65) 4,6-Dinitro-2-methylph...	10.580	198	46122	20.060	ng		95
66) n-Nitrosodiphenylamine	10.651	169	384467	20.488	ng		100
67) 4-Bromophenyl-phenylether	11.028	248	128663	20.259	ng		99
68) Hexachlorobenzene	11.098	284	134031	20.191	ng		99
69) Atrazine	11.169	200	105386	20.370	ng		99
70) Pentachlorophenol	11.280	266	77906	19.957	ng		99
71) Phenanthrene	11.510	178	595411	21.042	ng		99
72) Anthracene	11.557	178	604416	20.944	ng		99
73) Carbazole	11.704	167	523365	20.769	ng		100
74) Di-n-butylphthalate	12.039	149	601867	21.108	ng		100
75) Fluoranthene	12.692	202	542662	20.894	ng		99
77) Benzidine	12.810	184	257904	21.919	ng		99
78) Pyrene	12.922	202	544650	20.897	ng		99
80) Butylbenzylphthalate	13.539	149	163546	20.491	ng		99
81) Benzo(a)anthracene	14.110	228	421791	20.629	ng		99
82) 3,3'-Dichlorobenzidine	14.068	252	151153	22.181	ng		100
83) Chrysene	14.145	228	380799	20.714	ng		99
84) Bis(2-ethylhexyl)phtha...	14.098	149	251739	20.839	ng		99
85) Di-n-octyl phthalate	14.716	149	436102	19.916	ng		99
87) Indeno(1,2,3-cd)pyrene	17.151	276	484240	20.286	ng		99
88) Benzo(b)fluoranthene	15.174	252	435747	21.071	ng		99
89) Benzo(k)fluoranthene	15.204	252	369899	20.044	ng		100
90) Benzo(a)pyrene	15.557	252	388136	20.371	ng		99
91) Dibenzo(a,h)anthracene	17.168	278	398949	20.534	ng		99
92) Benzo(g,h,i)perylene	17.615	276	385915	20.534	ng		99

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

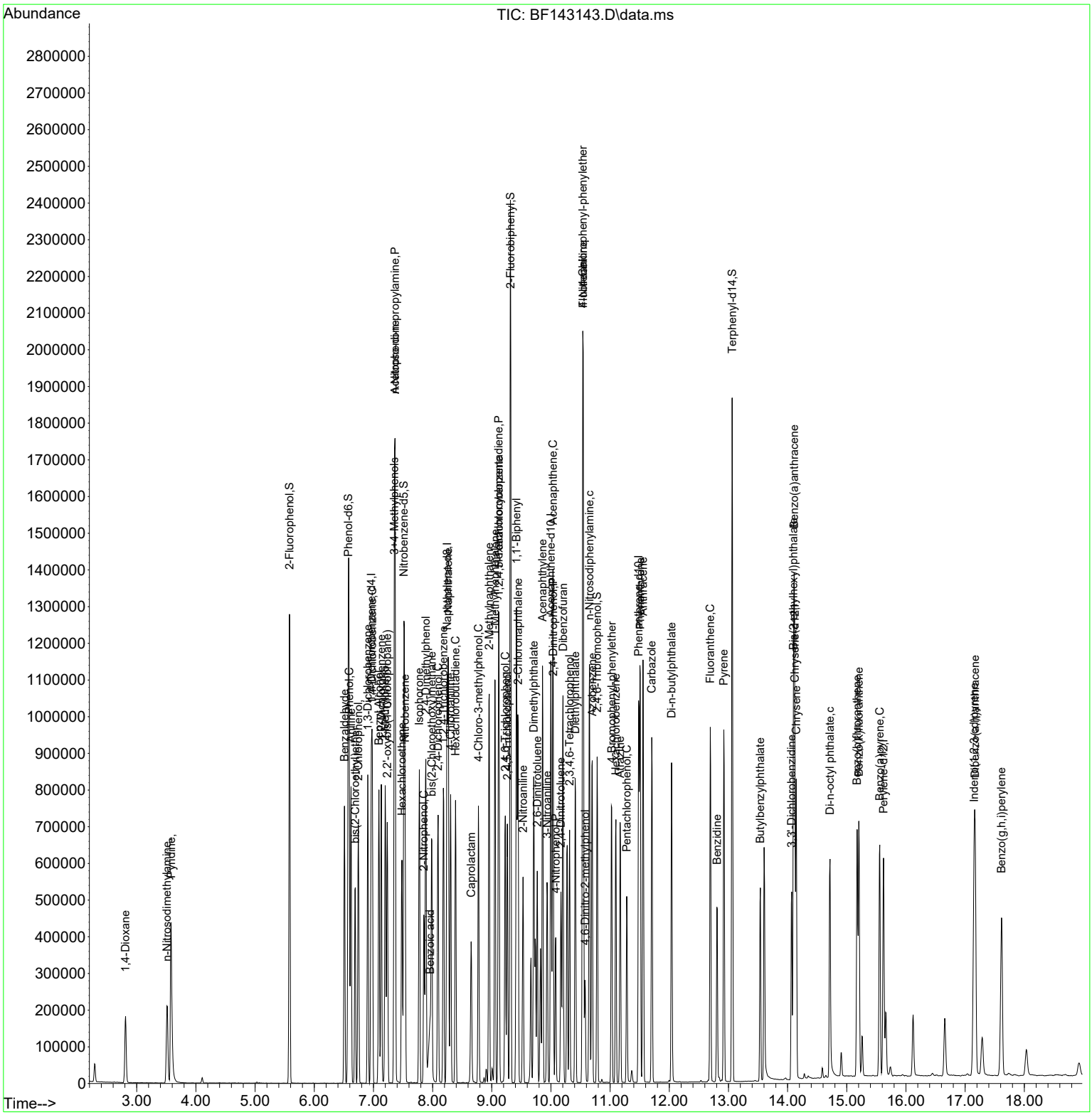
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143143.D
Acq On : 17 Jul 2025 12:34
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

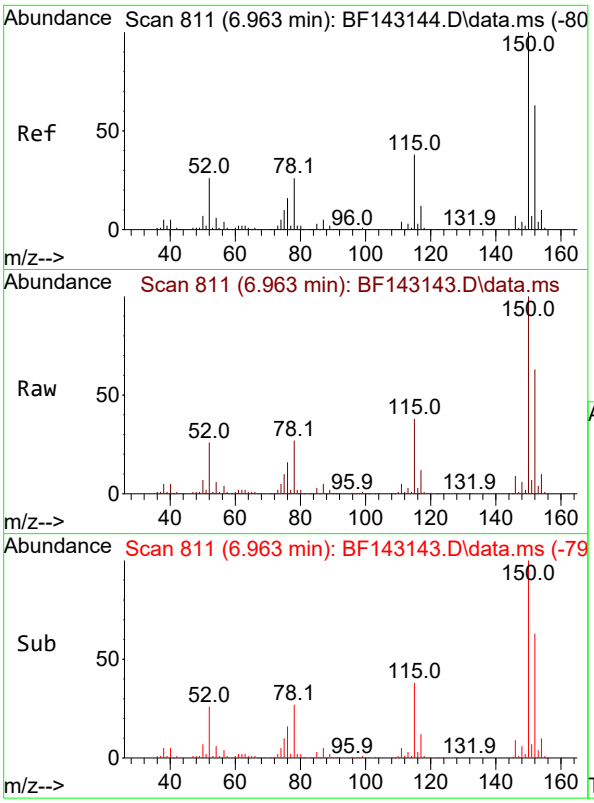
Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

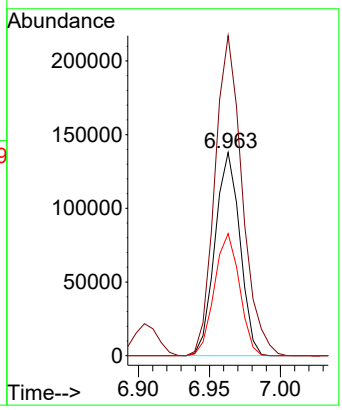




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:152 Resp: 16849

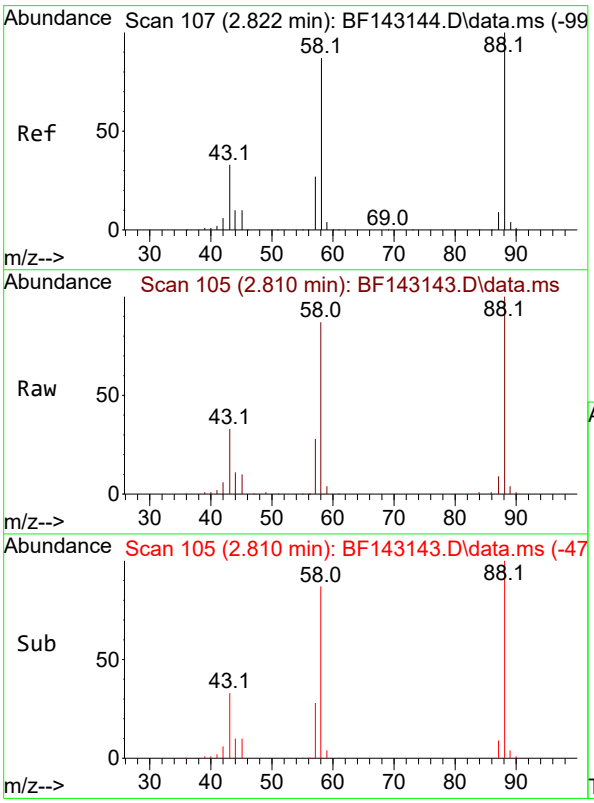
Ion	Ratio	Lower	Upper
152	100		
150	157.5	128.2	192.4
115	60.1	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

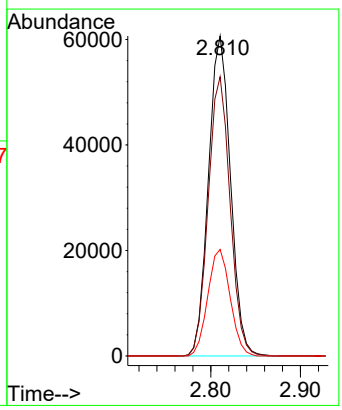
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

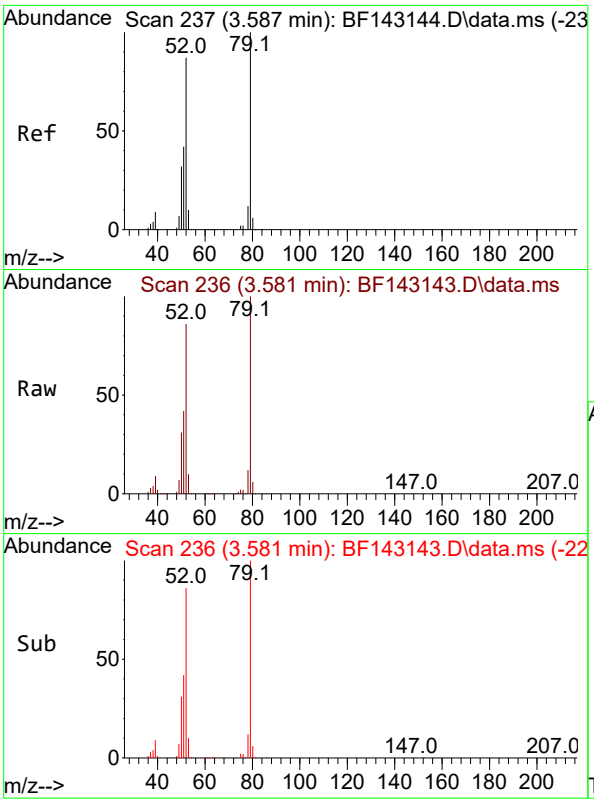


#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 88 Resp: 103481

Ion	Ratio	Lower	Upper
88	100		
58	86.7	70.2	105.2
43	33.8	27.1	40.7





#3
Pyridine
Concen: 19.990 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

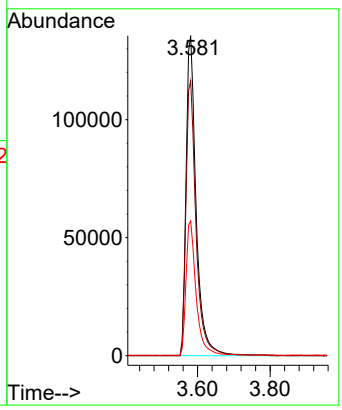
Tgt Ion: 79 Resp: 26140

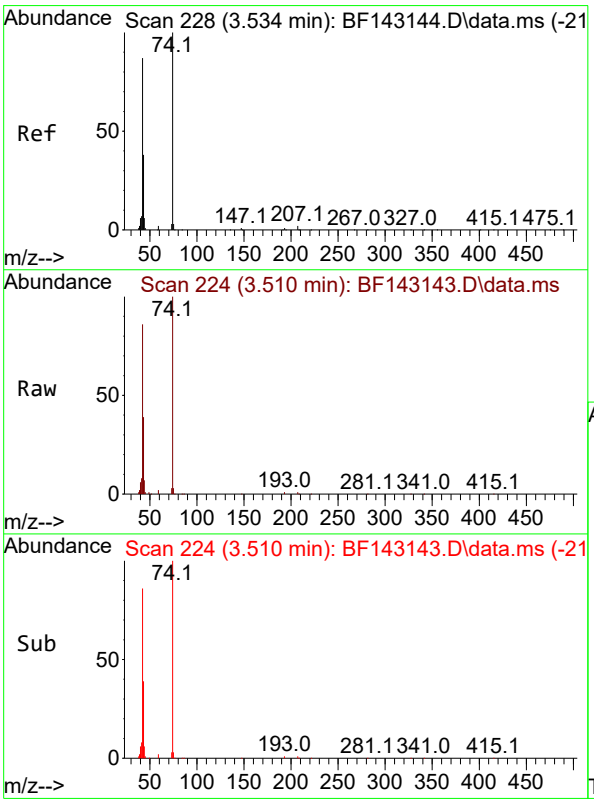
Ion	Ratio	Lower	Upper
79	100		
52	85.9	69.4	104.2
51	42.1	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

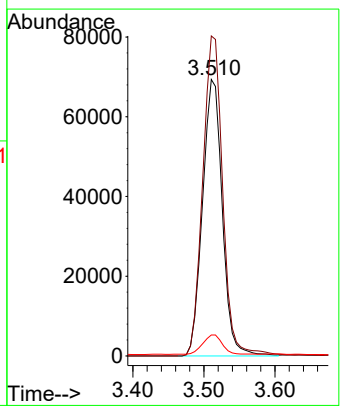


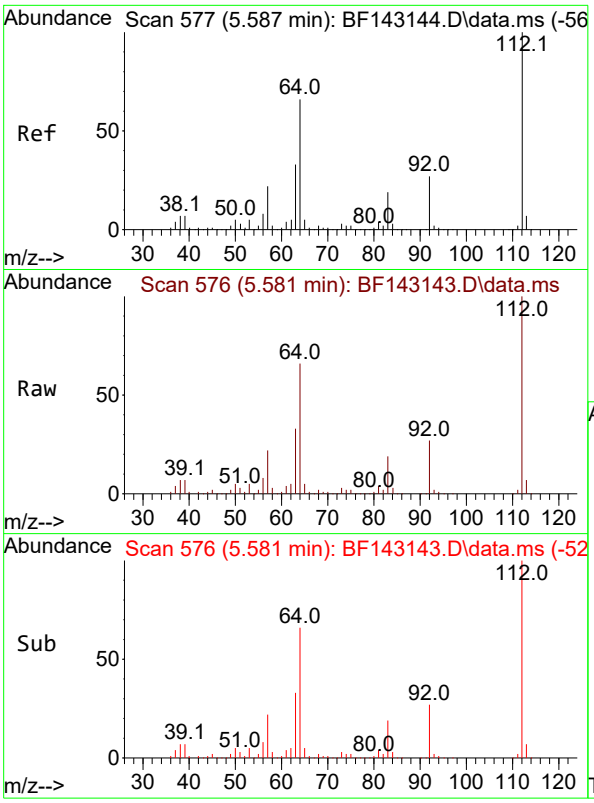


#4
n-Nitrosodimethylamine
Concen: 19.942 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 42 Resp: 134638

Ion	Ratio	Lower	Upper
42	100		
74	115.7	91.7	137.5
44	7.6	5.6	8.4

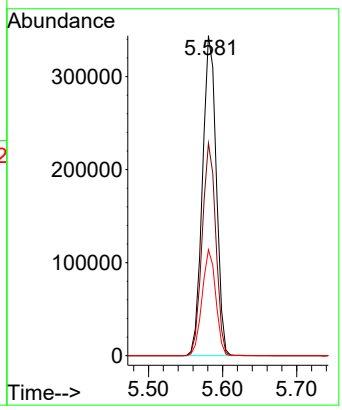




#5
2-Fluorophenol
Concen: 41.752 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:112 Resp: 44454

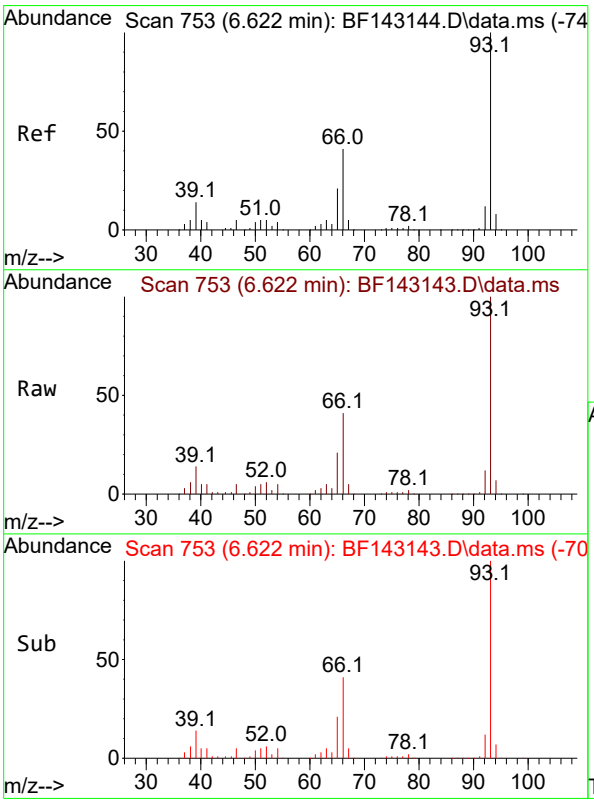
Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.1	79.7
63	33.1	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

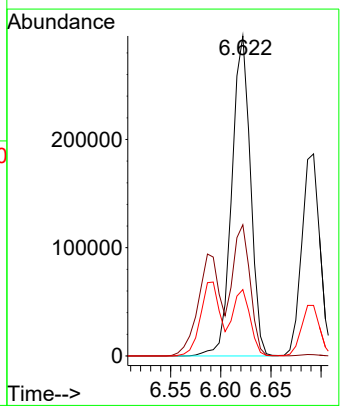
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

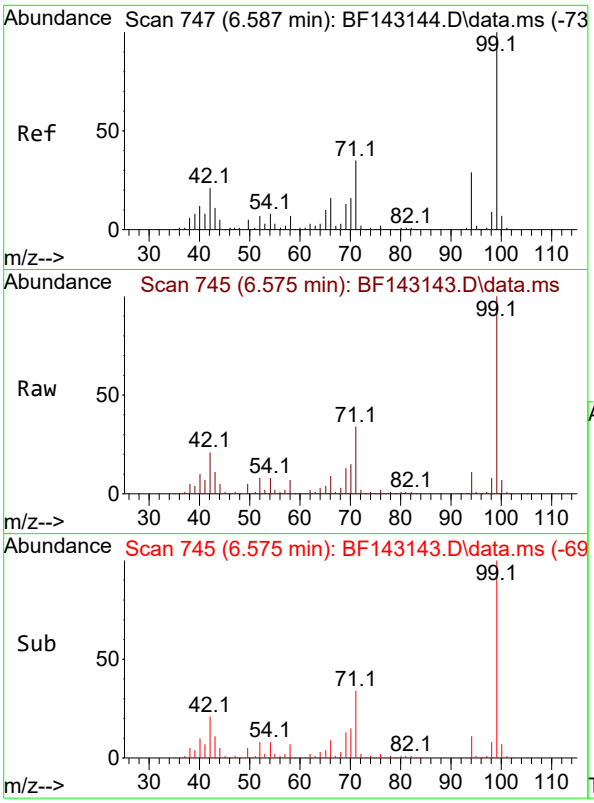


#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 93 Resp: 382991

Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.2	49.8
65	20.7	16.9	25.3

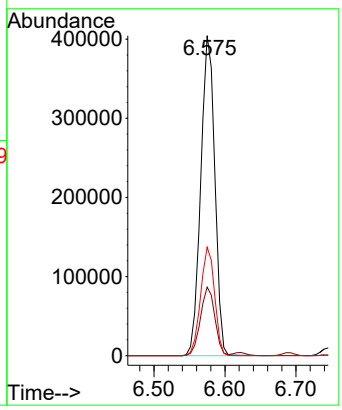




#7
Phenol-d6
Concen: 41.668 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 99 Resp: 55842

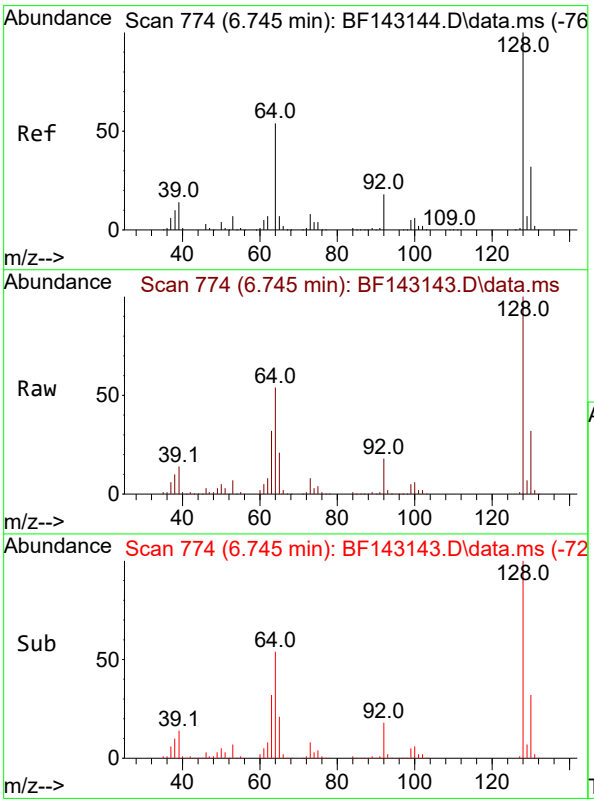
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	33.9	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

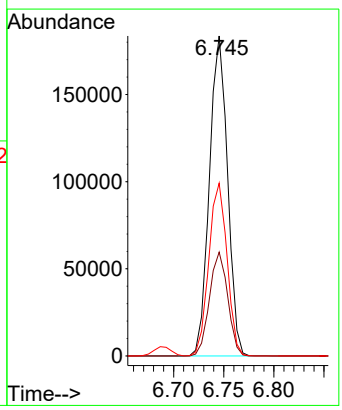
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

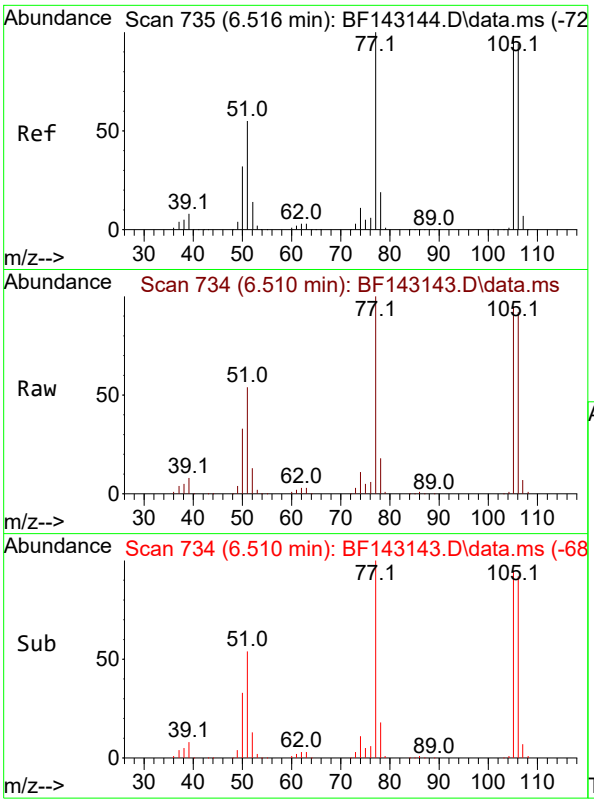


#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:128 Resp: 231044

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	54.0	35.9	75.9

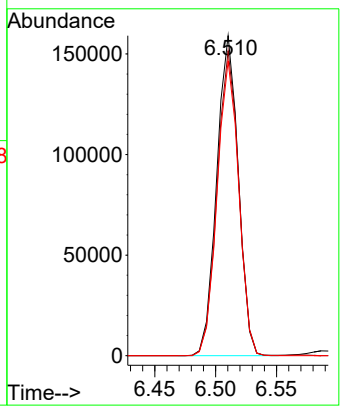




#9
Benzaldehyde
Concen: 19.504 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 77 Resp: 19600

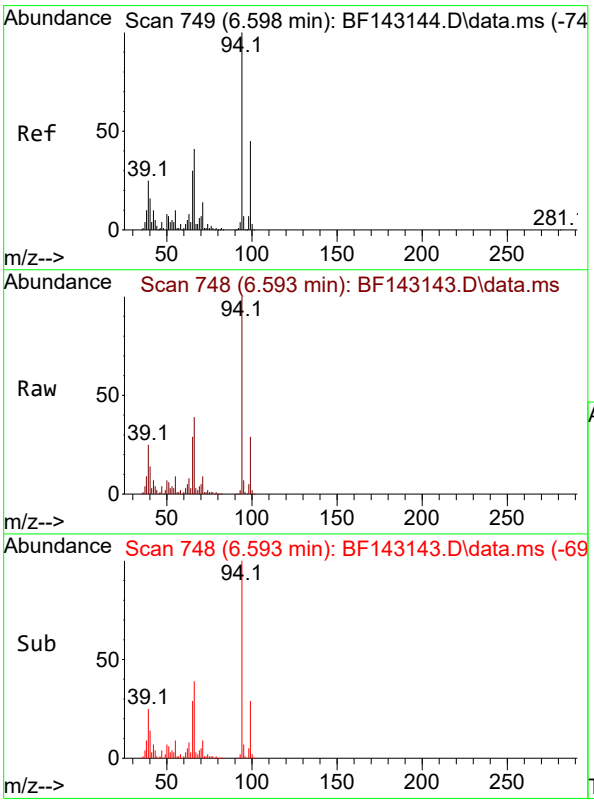
Ion	Ratio	Lower	Upper
77	100		
105	95.3	76.8	116.8
106	92.0	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

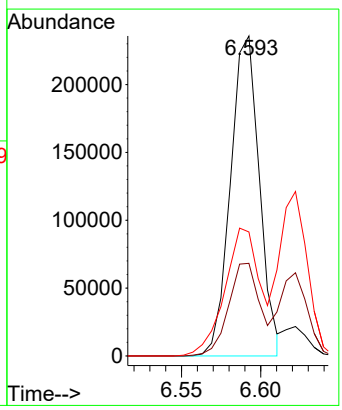
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

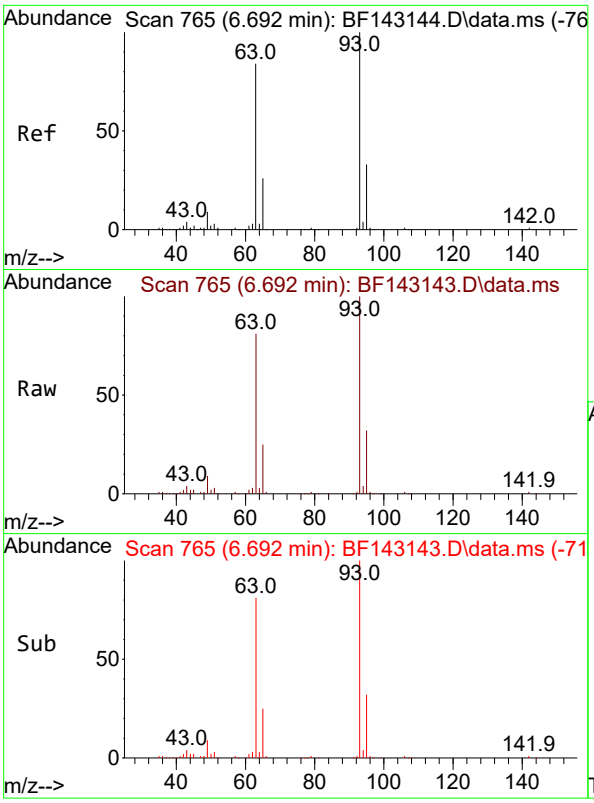


#10
Phenol
Concen: 20.497 ng m
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 94 Resp: 299259

Ion	Ratio	Lower	Upper
94	100		
65	29.0	10.0	50.0
66	38.8	20.8	60.8

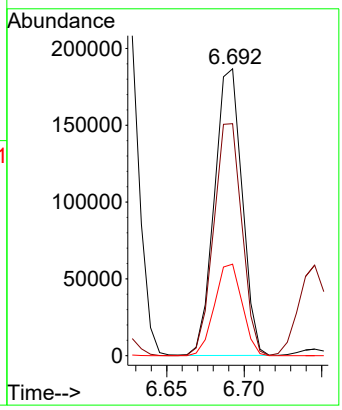




#11
bis(2-Chloroethyl)ether
Concen: 20.792 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 93 Resp: 23242

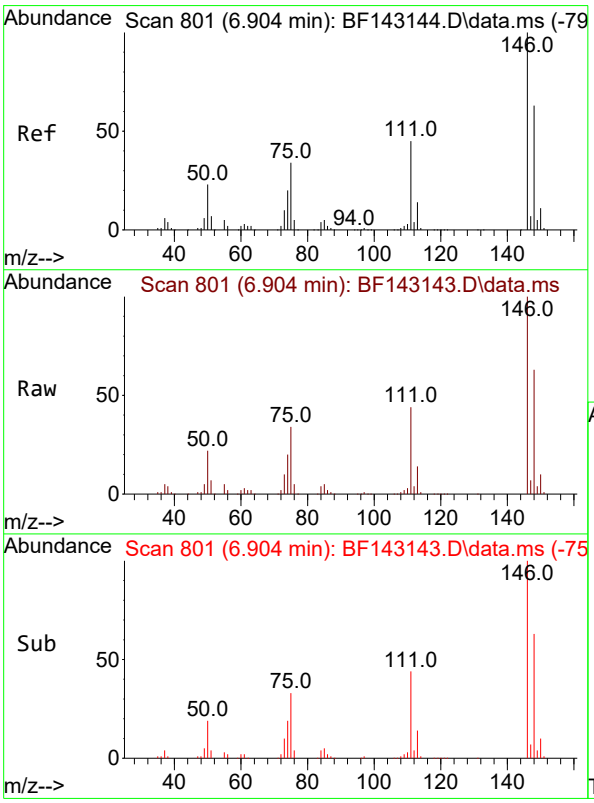
Ion	Ratio	Lower	Upper
93	100		
63	80.9	63.4	103.4
95	31.9	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

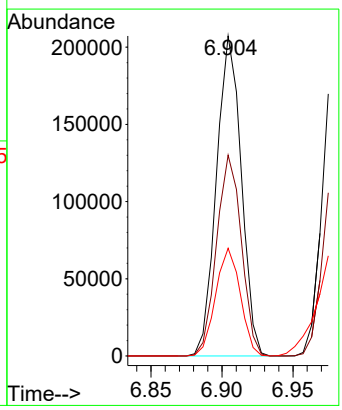
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

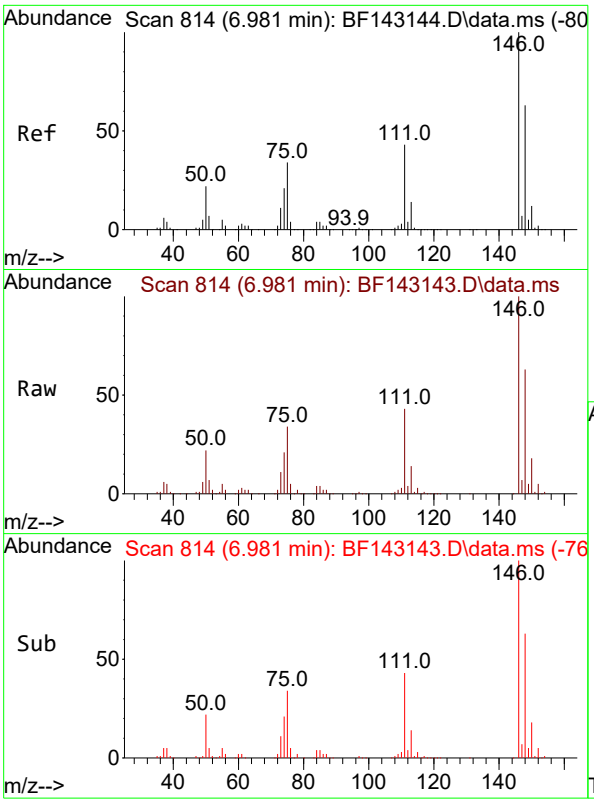


#12
1,3-Dichlorobenzene
Concen: 20.763 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:146 Resp: 251734

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	76.0
75	33.7	27.4	41.2

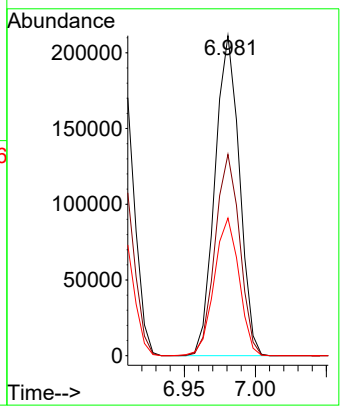




#13
1,4-Dichlorobenzene
Concen: 20.733 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:146 Resp: 25313

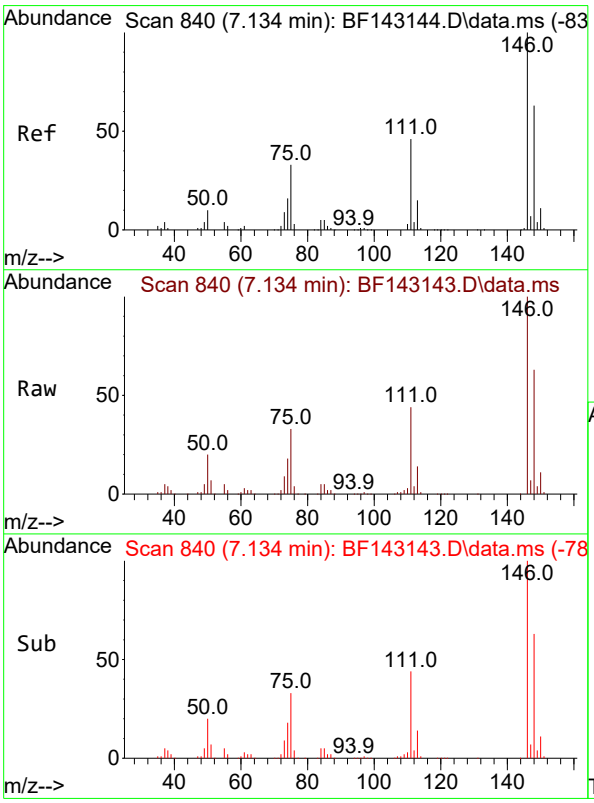
Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.0	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

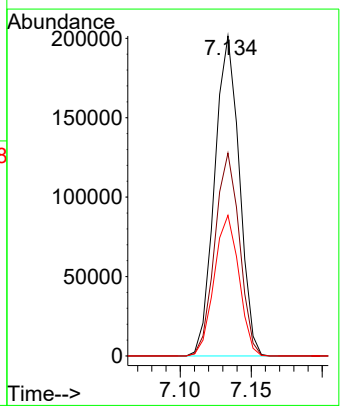
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

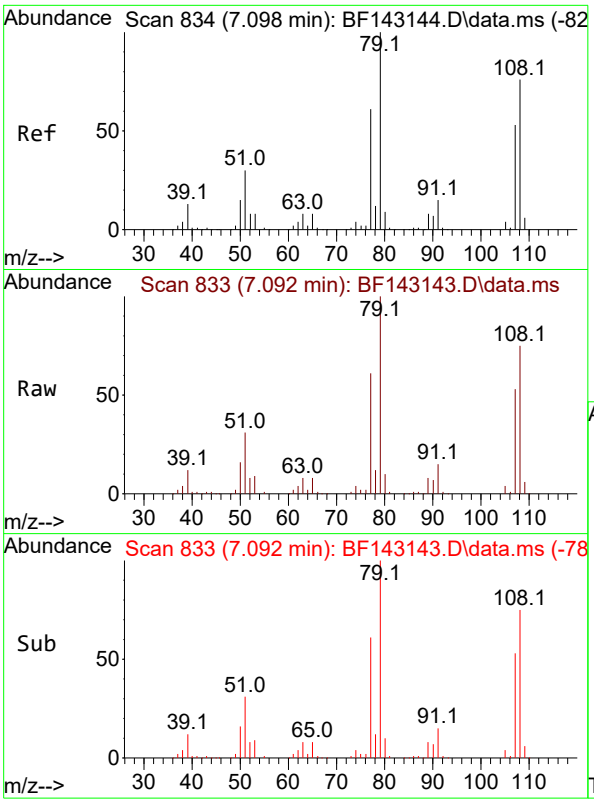


#14
1,2-Dichlorobenzene
Concen: 20.963 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:146 Resp: 243437

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	44.0	36.6	54.8

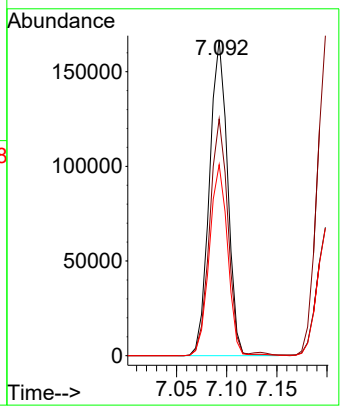




#15
Benzyl Alcohol
Concen: 20.524 ng
RT: 7.092 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 79 Resp: 21001

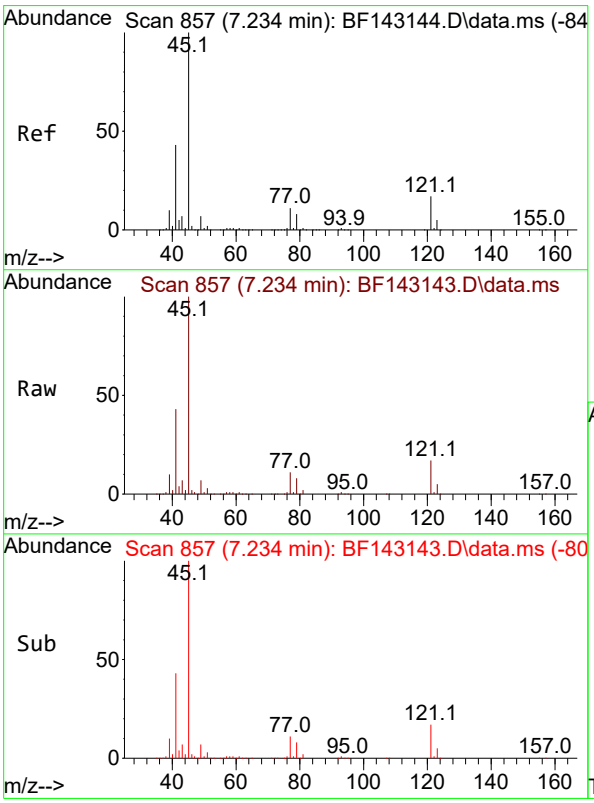
Ion	Ratio	Lower	Upper
79	100		
108	75.0	61.1	91.7
77	60.5	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

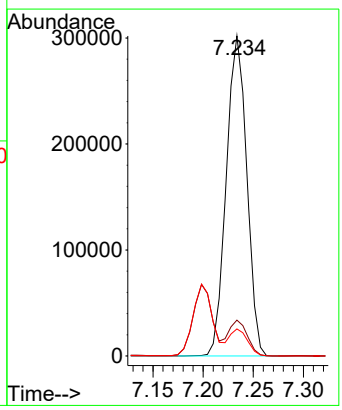
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

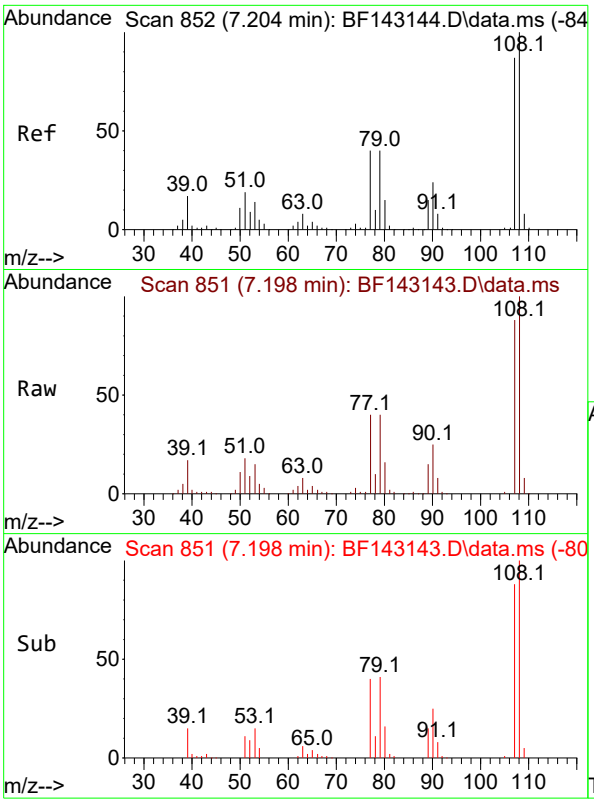


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.680 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 45 Resp: 428827

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.4	0.0	28.5

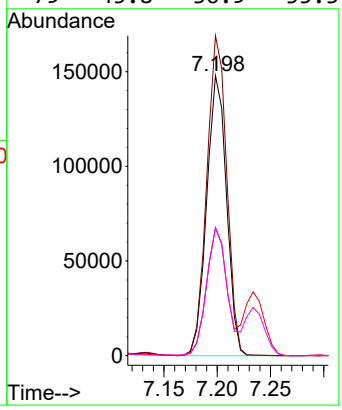




#17
2-Methylphenol
Concen: 20.479 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 19217

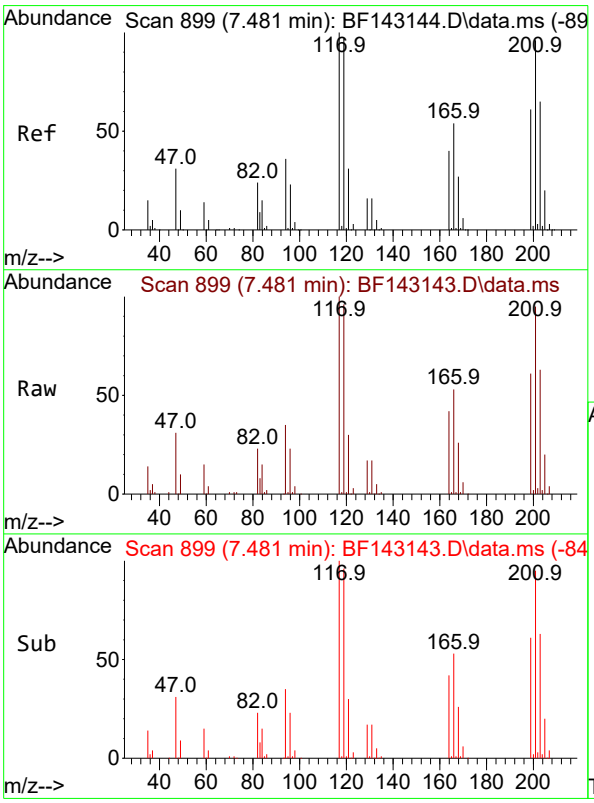
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.8	137.6
77	45.6	37.0	55.6
79	45.8	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

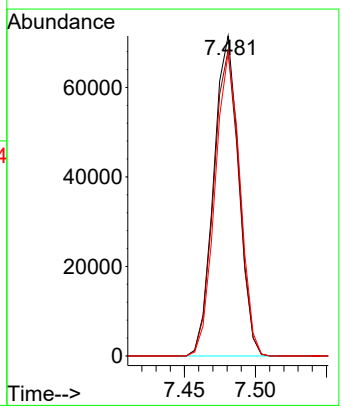
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

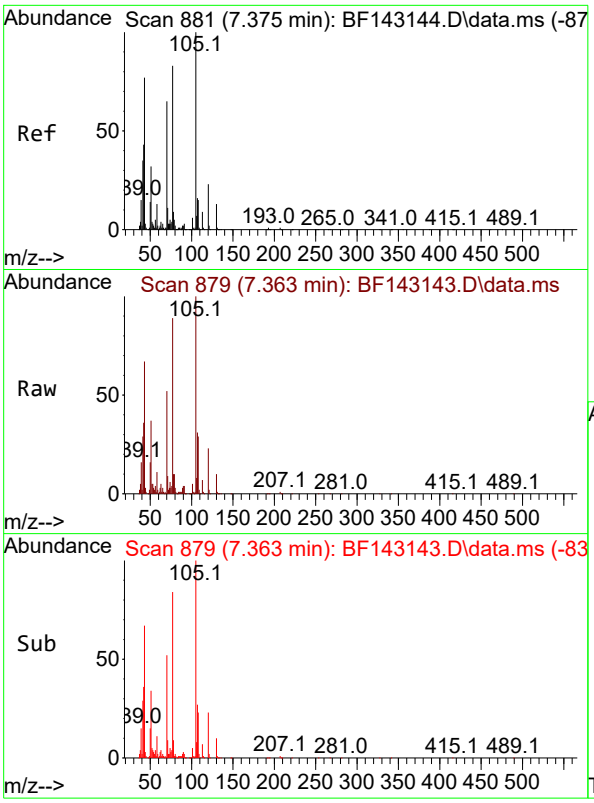


#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:117 Resp: 88036

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.8	116.8
201	94.8	77.0	115.4

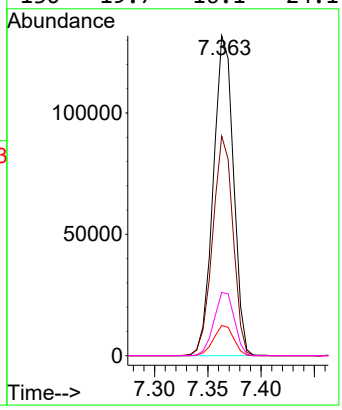




#19
n-Nitroso-di-n-propylamine
Concen: 20.137 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 70 Resp: 17314

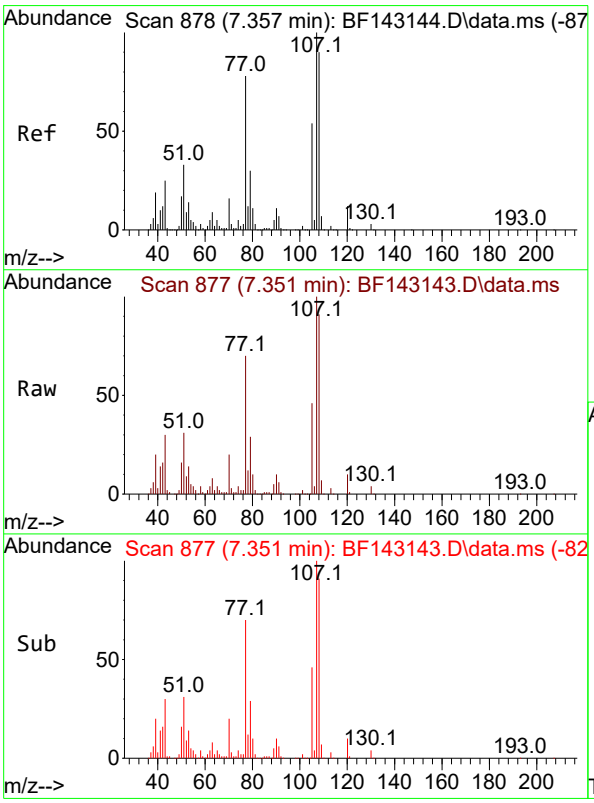
Ion	Ratio	Lower	Upper
70	100		
42	68.6	52.5	78.7
101	9.4	7.6	11.4
130	19.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

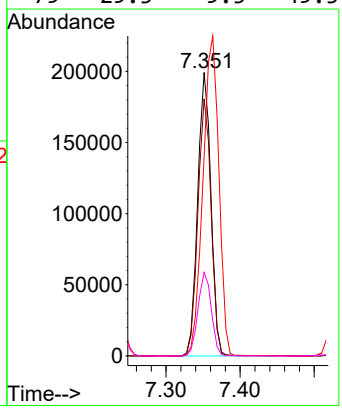
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

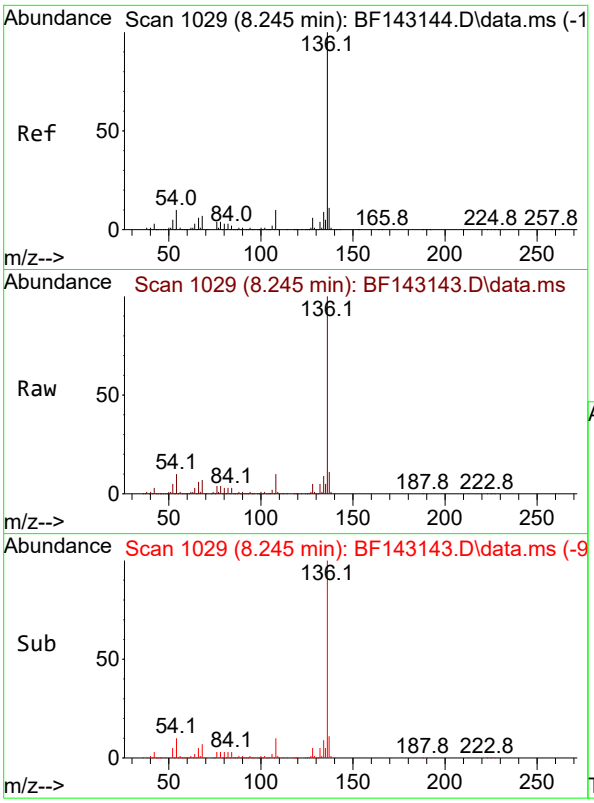


#20
3+4-Methylphenols
Concen: 21.745 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 247578

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.0	110.0
77	70.4	57.8	97.8
79	29.5	9.5	49.5

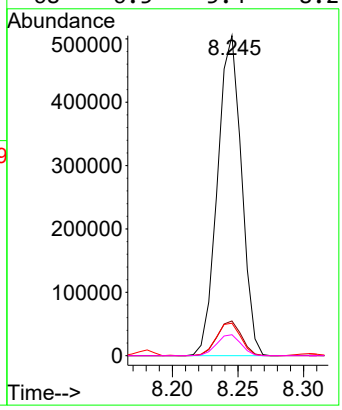




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:136 Resp: 64258

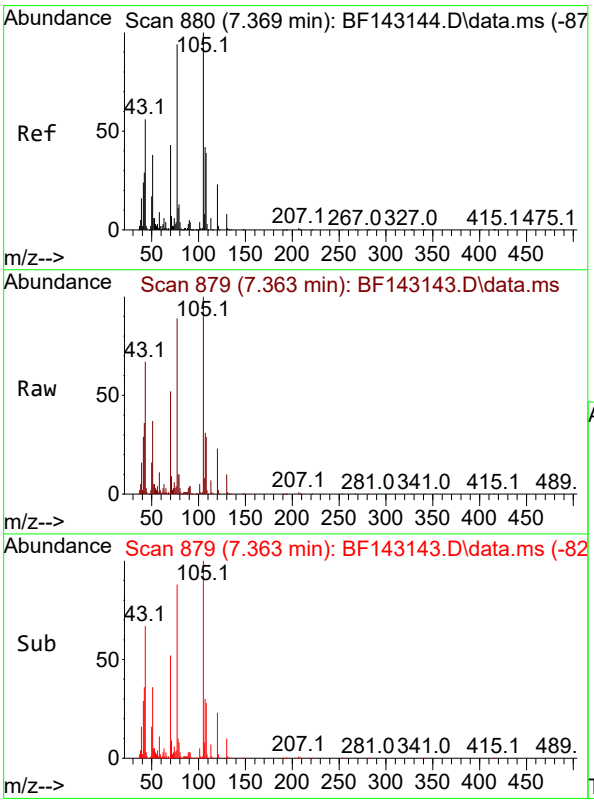
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.2	12.2
68	6.5	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

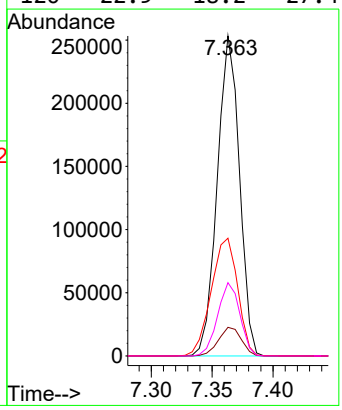
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

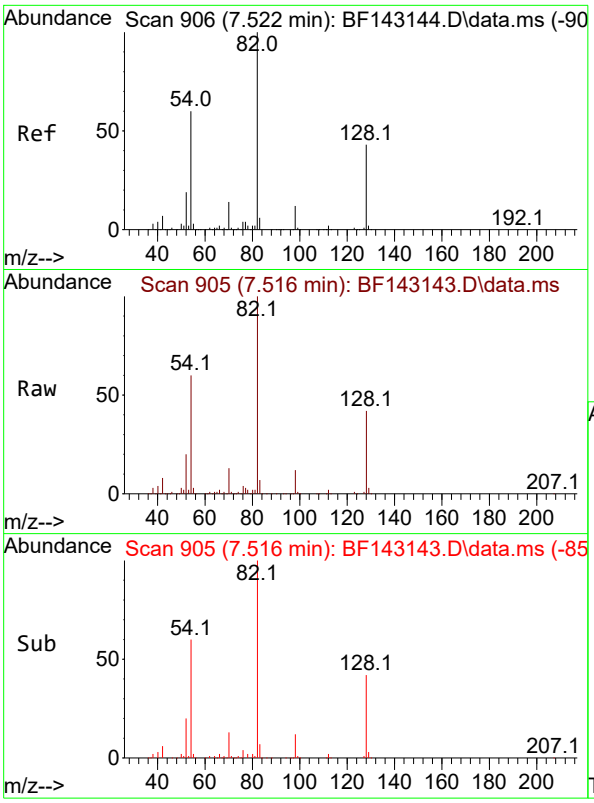


#22
Acetophenone
Concen: 21.151 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:105 Resp: 321774

Ion	Ratio	Lower	Upper
105	100		
71	9.0	5.8	8.6#
51	36.8	30.2	45.2
120	22.9	18.2	27.4

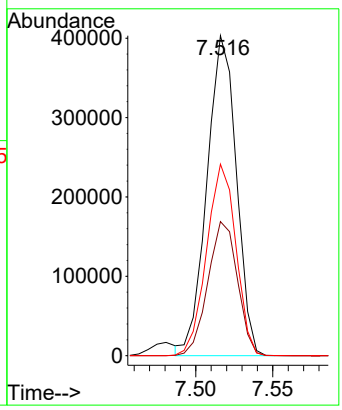




#23
Nitrobenzene-d5
Concen: 41.547 ng m
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 82 Resp: 53558

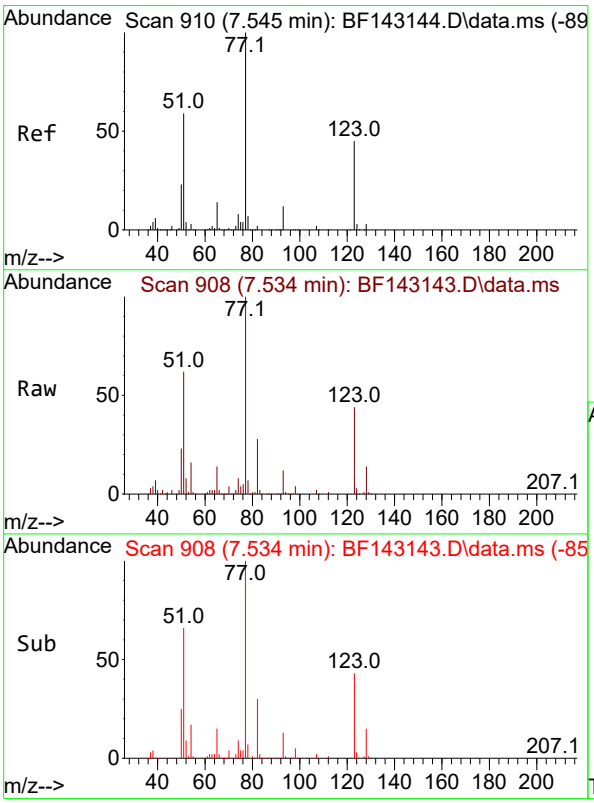
Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.6	50.4
54	59.8	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

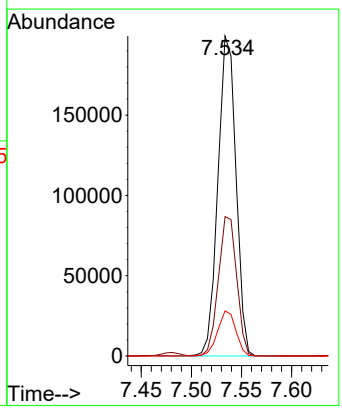
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

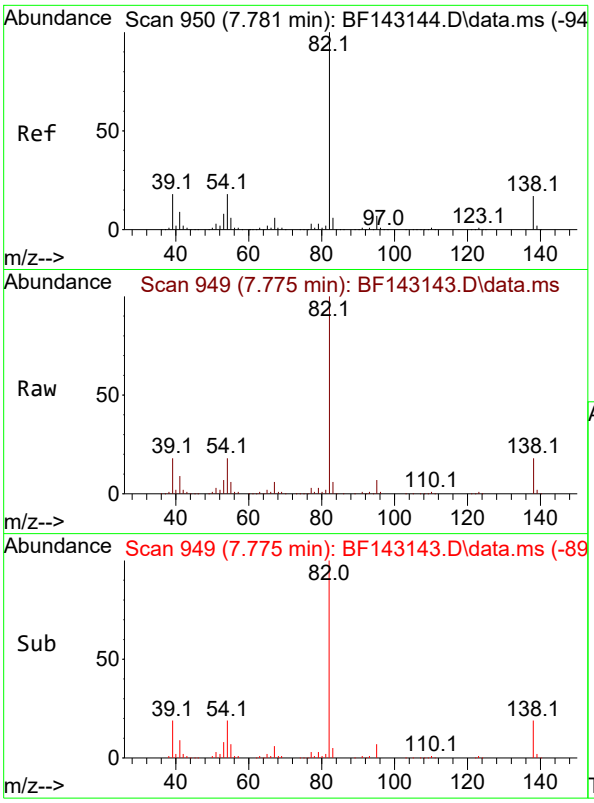


#24
Nitrobenzene
Concen: 20.739 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 77 Resp: 249251

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.1	54.1
65	14.1	11.4	17.2

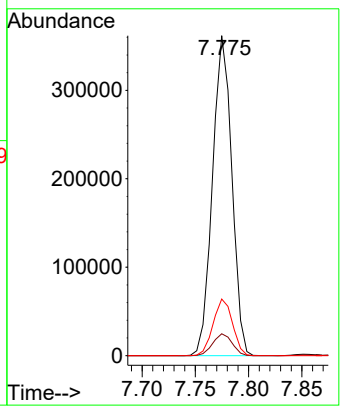




#25
Isophorone
Concen: 20.088 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 82 Resp: 45714

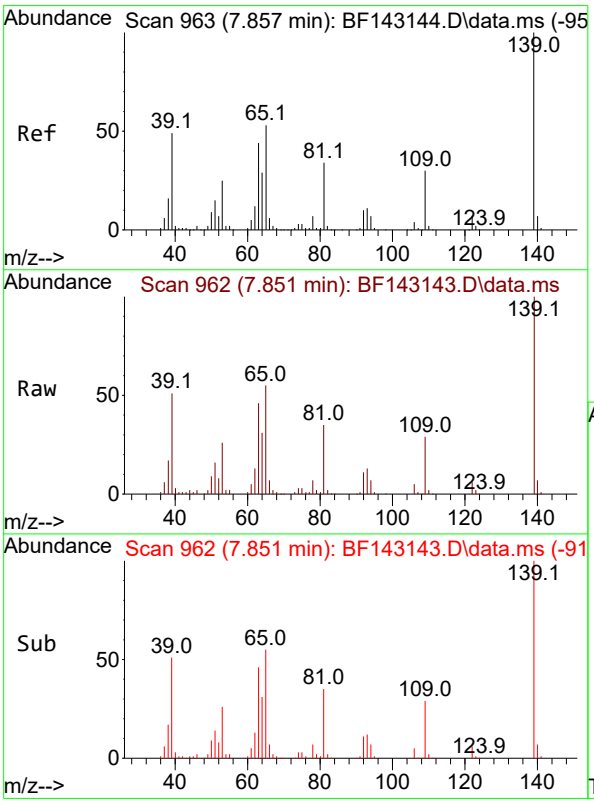
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.7	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

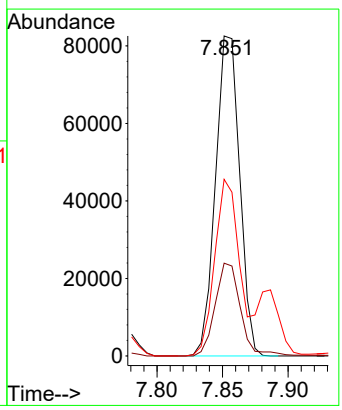
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

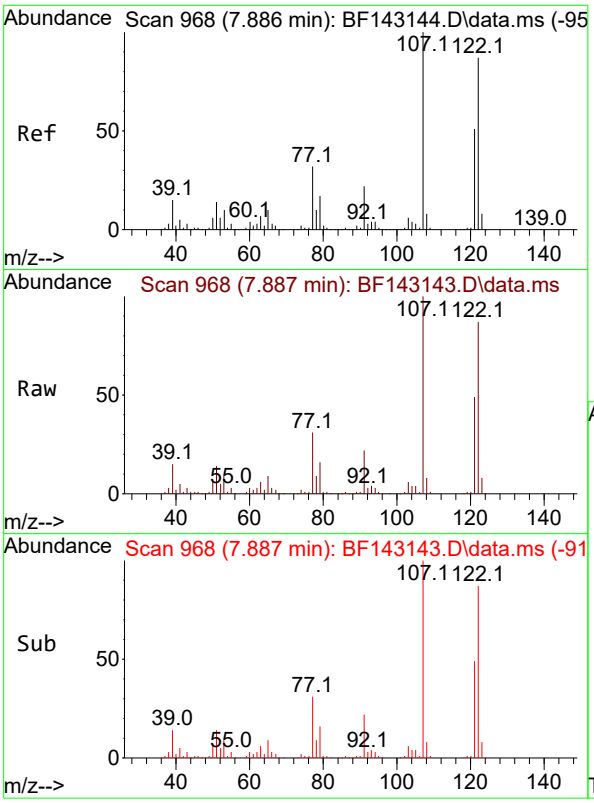


#26
2-Nitrophenol
Concen: 20.261 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 105681

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	55.2	42.6	64.0

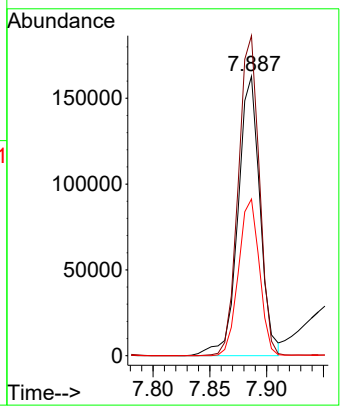




#27
2,4-Dimethylphenol
Concen: 20.594 ng
RT: 7.887 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:122 Resp: 21896

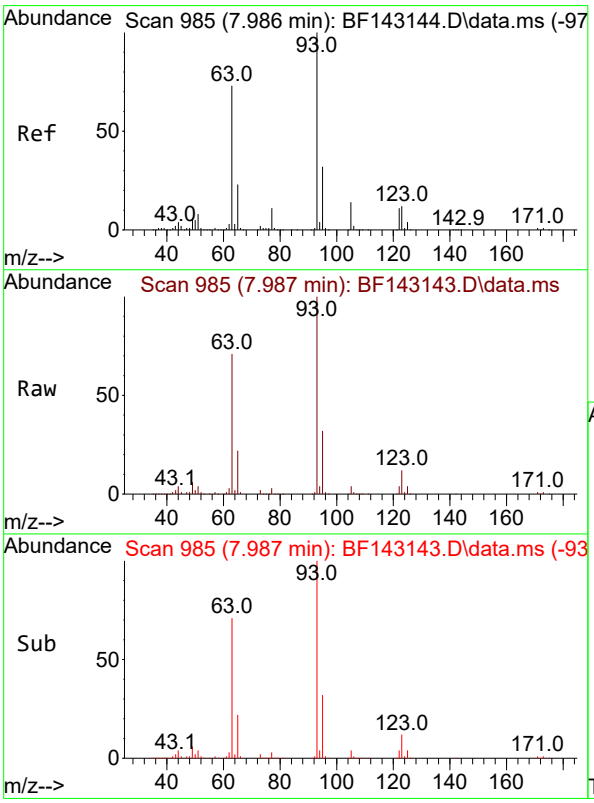
Ion	Ratio	Lower	Upper
122	100		
107	114.5	91.8	137.6
121	56.1	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

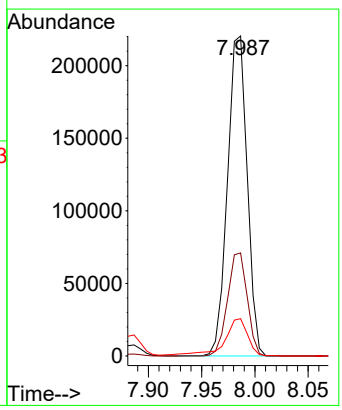
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

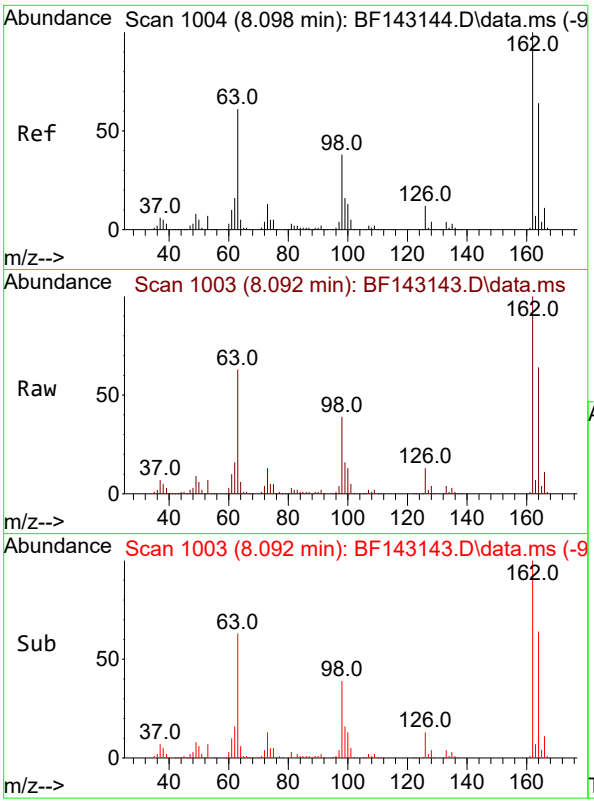


#28
bis(2-Chloroethoxy)methane
Concen: 20.811 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 93 Resp: 283946

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.6
123	11.6	9.7	14.5

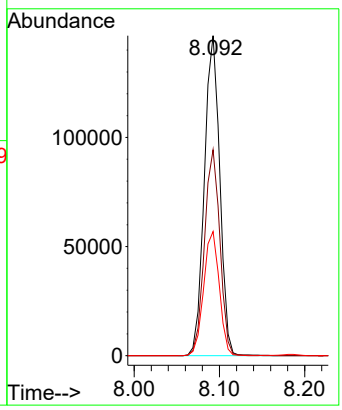




#29
2,4-Dichlorophenol
Concen: 20.569 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:162 Resp: 18443

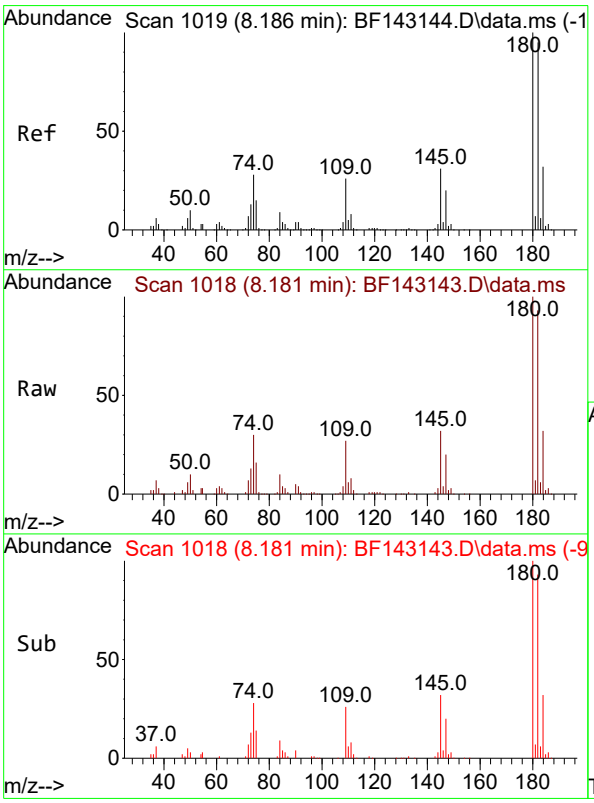
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.8	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

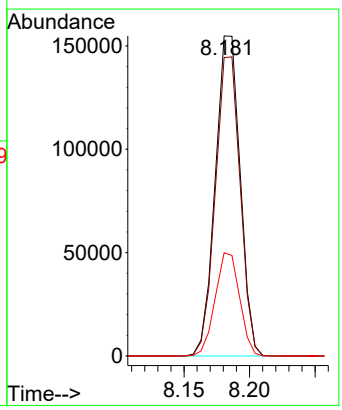
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

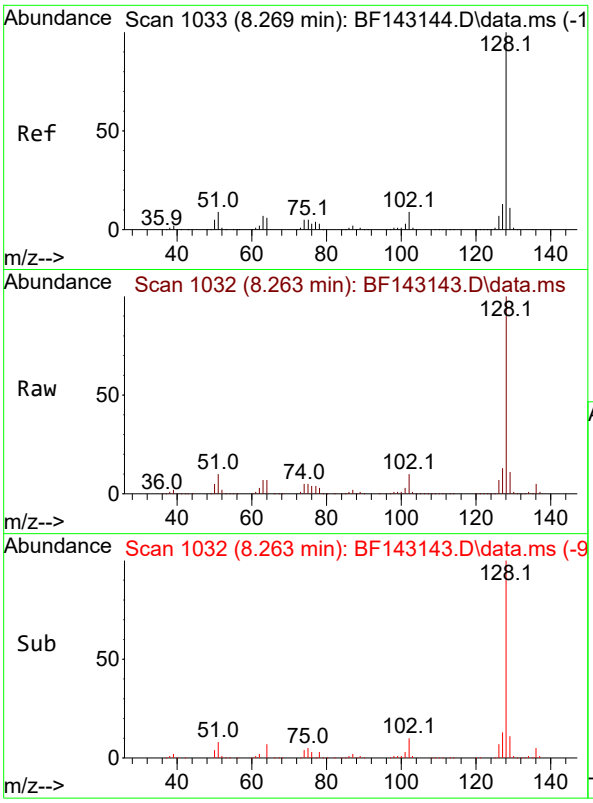


#30
1,2,4-Trichlorobenzene
Concen: 21.070 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:180 Resp: 204103

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.2	114.2
145	32.2	25.0	37.6

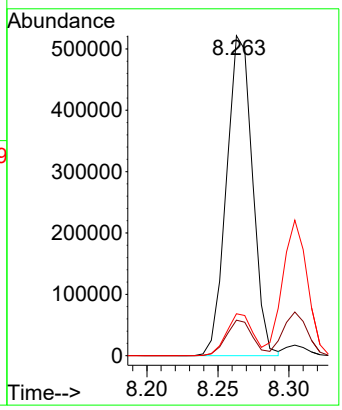




#31
Naphthalene
Concen: 20.949 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:128 Resp: 66296

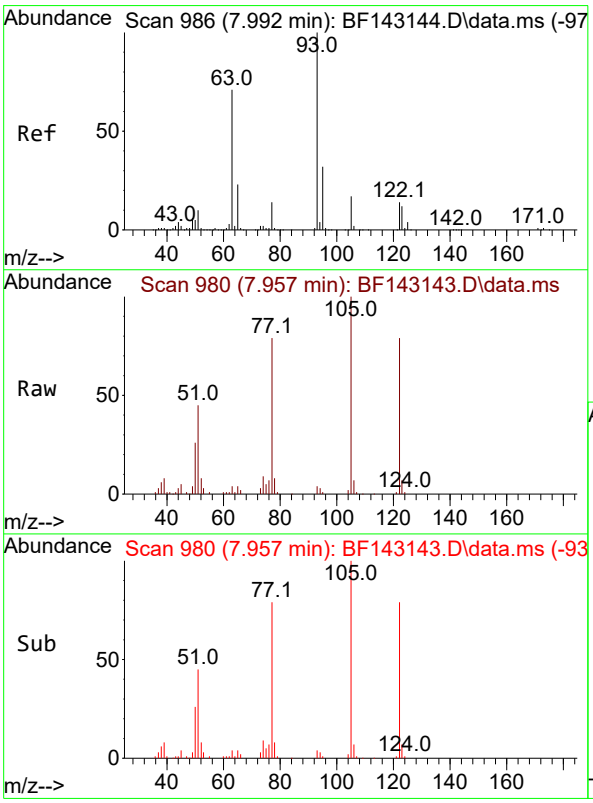
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

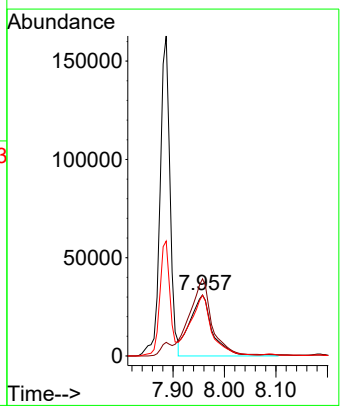
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

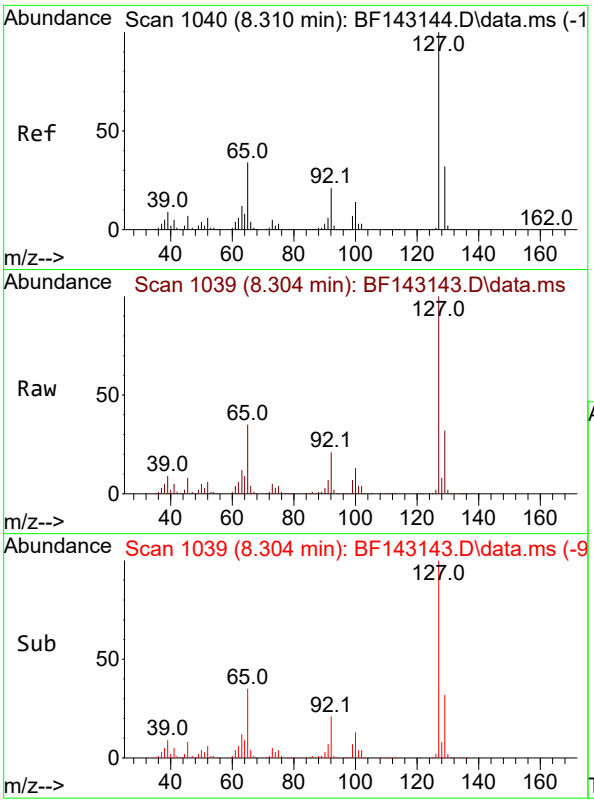


#32
Benzoic acid
Concen: 19.382 ng m
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:122 Resp: 95515

Ion	Ratio	Lower	Upper
122	100		
105	126.7	104.8	144.8
77	99.7	77.6	117.6

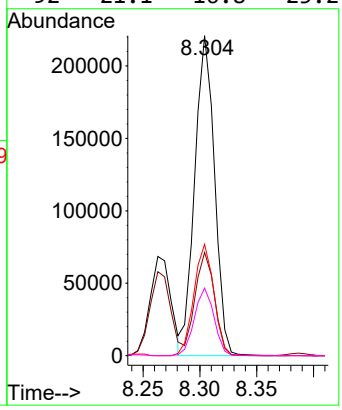




#33
4-Chloroaniline
Concen: 20.825 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:127 Resp: 26910

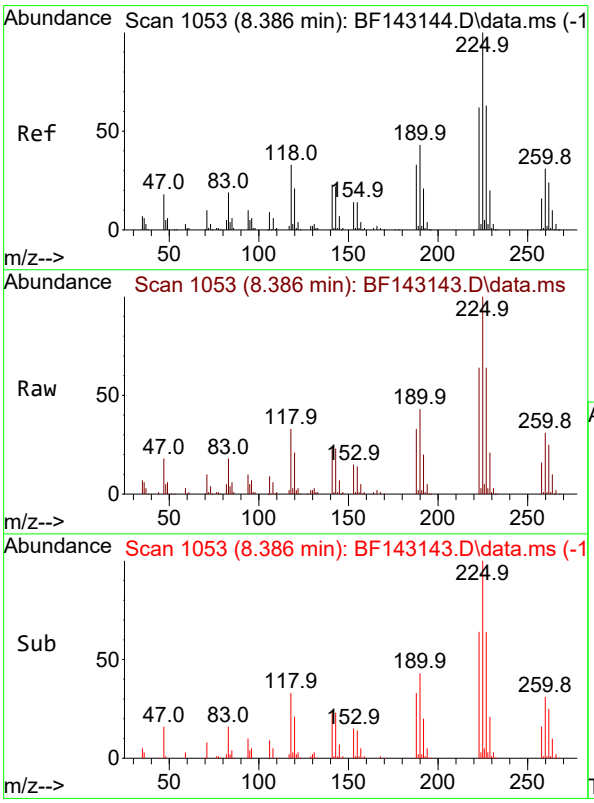
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	34.8	27.4	41.2
92	21.1	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

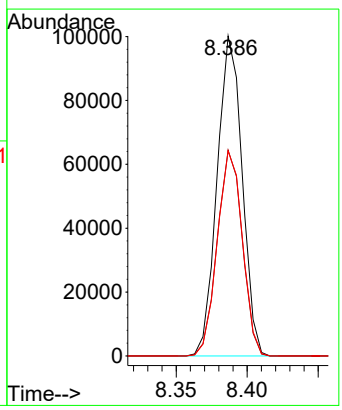
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

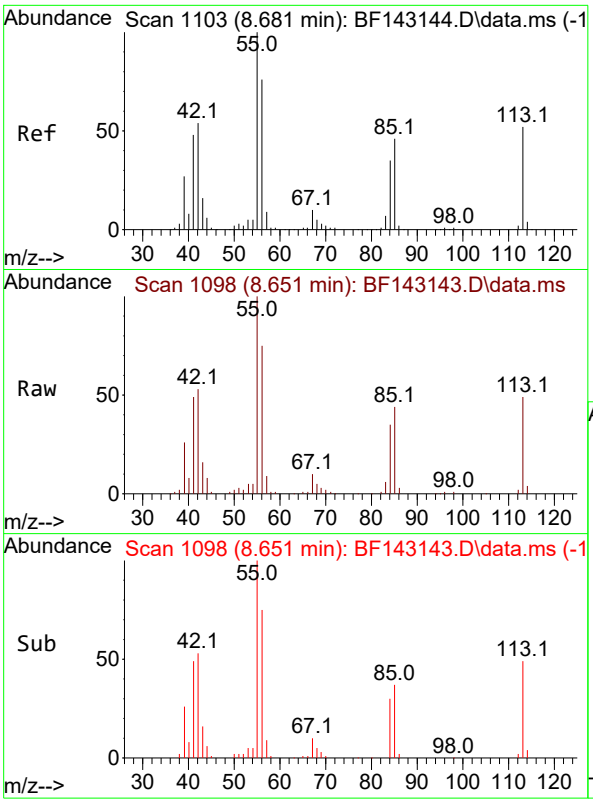


#34
Hexachlorobutadiene
Concen: 20.722 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:225 Resp: 122624

Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.8	74.6
227	64.1	50.2	75.4

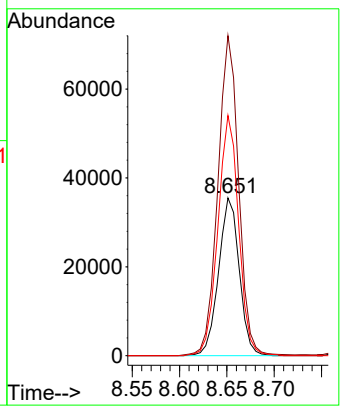




#35
Caprolactam
Concen: 19.911 ng
RT: 8.651 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:113 Resp: 5395

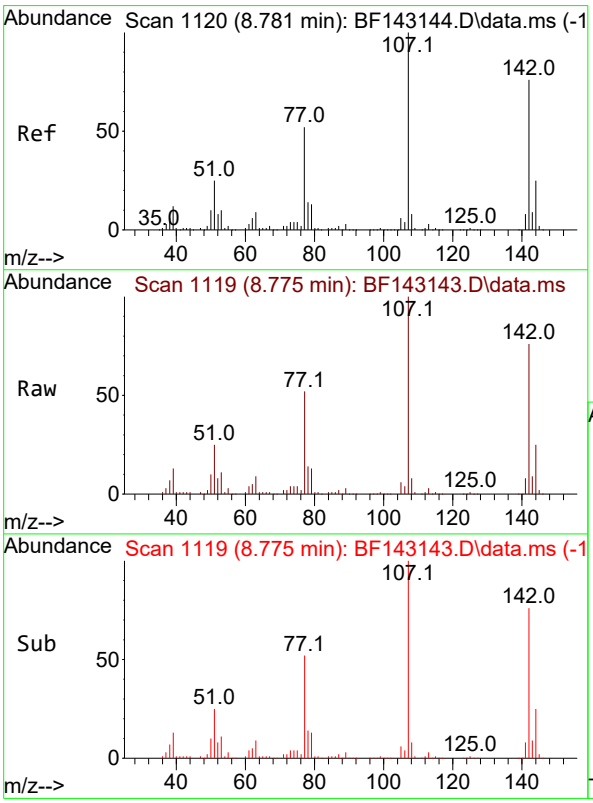
Ion	Ratio	Lower	Upper
113	100		
55	202.9	174.0	214.0
56	152.2	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

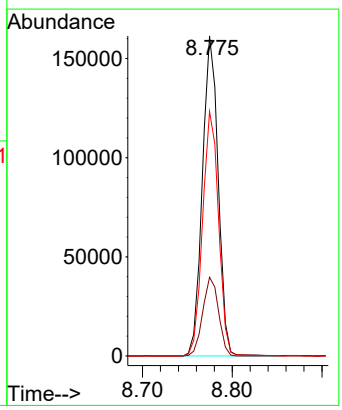
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

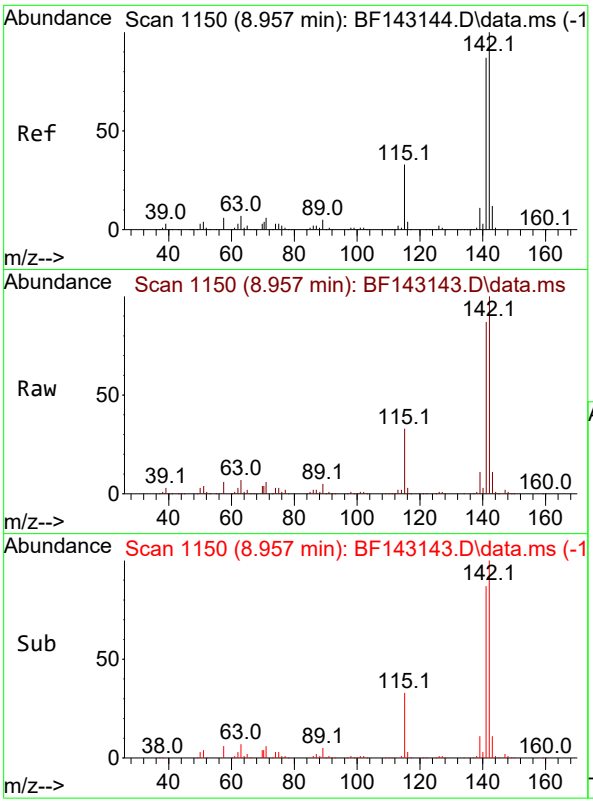


#36
4-Chloro-3-methylphenol
Concen: 20.246 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 197317

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	76.4	60.6	90.8





#37
2-Methylnaphthalene
Concen: 20.943 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

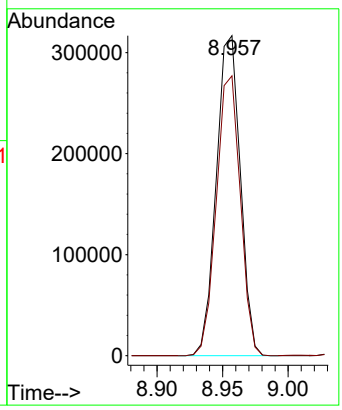
Tgt Ion:142 Resp: 40329

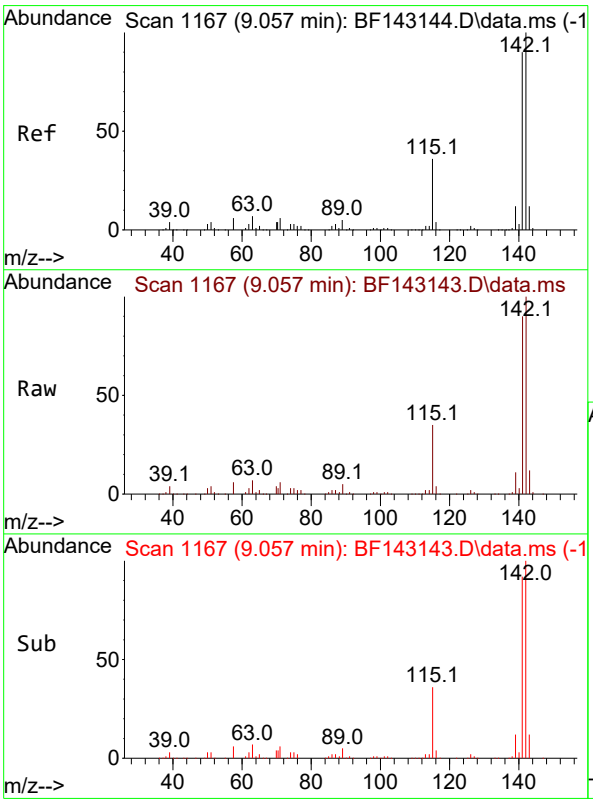
Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

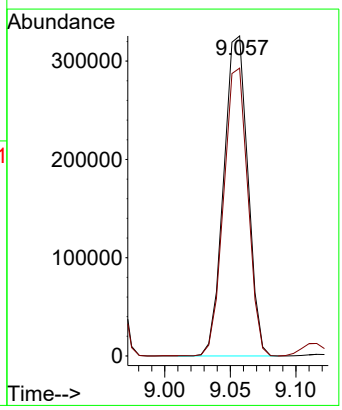


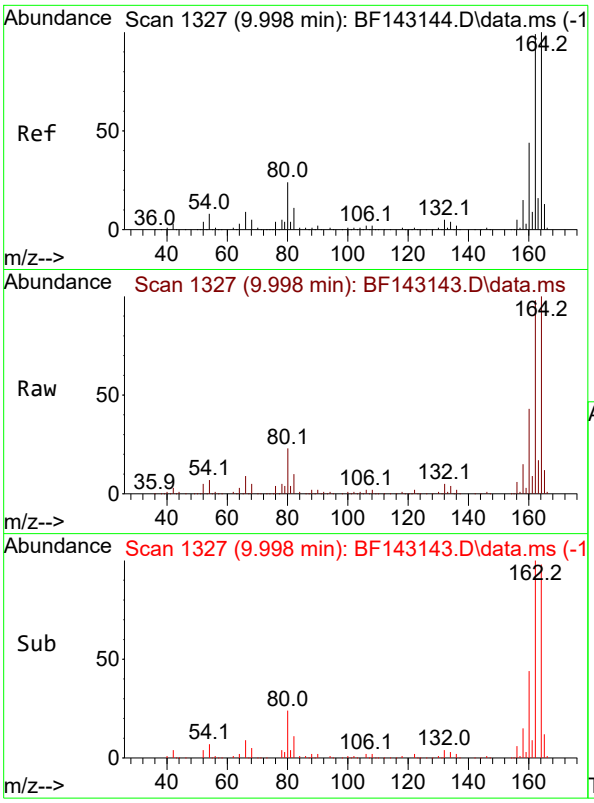


#38
1-Methylnaphthalene
Concen: 21.060 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:142 Resp: 417629

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.3	108.5

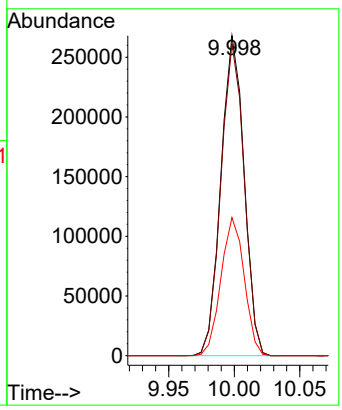




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:164 Resp: 32967

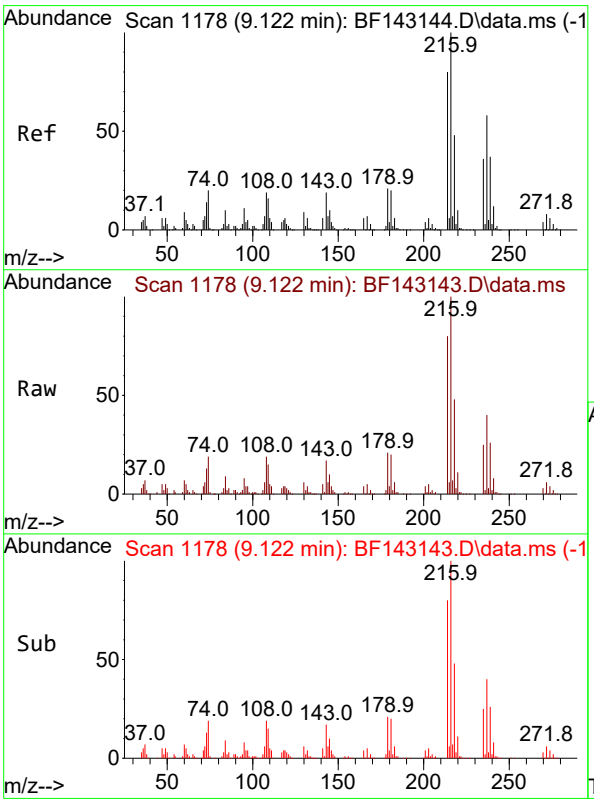
Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.0	118.6
160	43.2	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

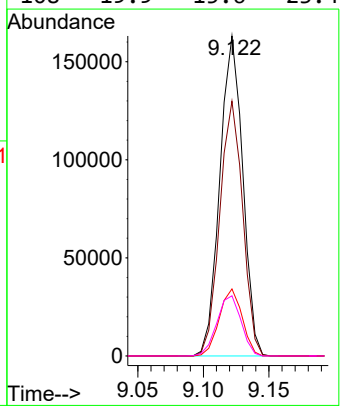
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

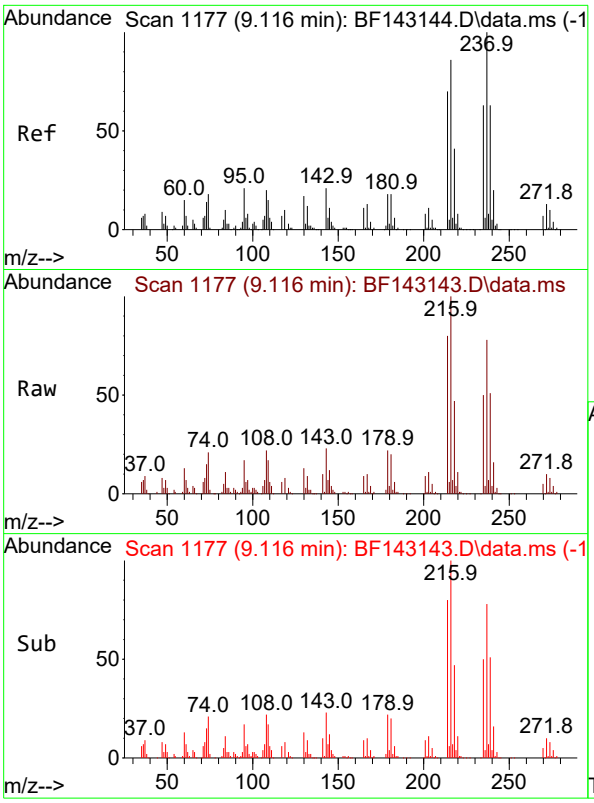


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.804 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:216 Resp: 198009

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.8
179	21.0	16.4	24.6
108	19.9	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 19.848 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

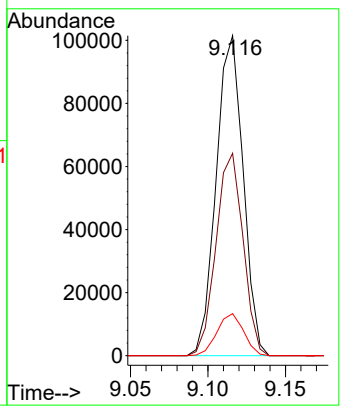
Tgt Ion:237 Resp: 12292

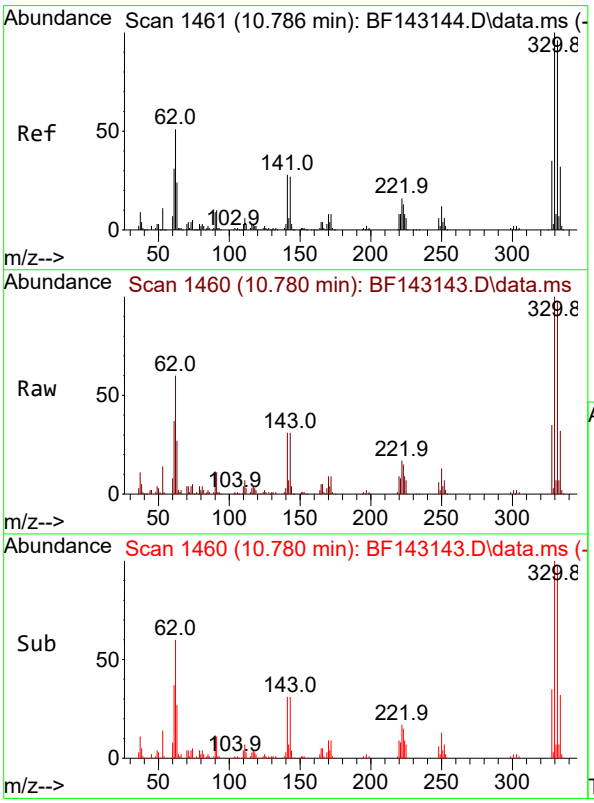
Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.2	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

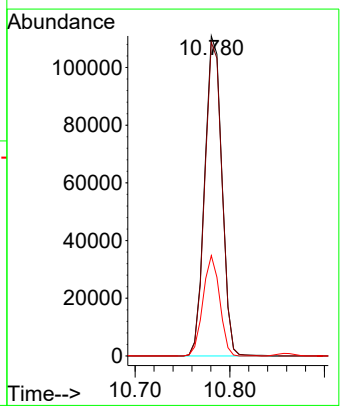


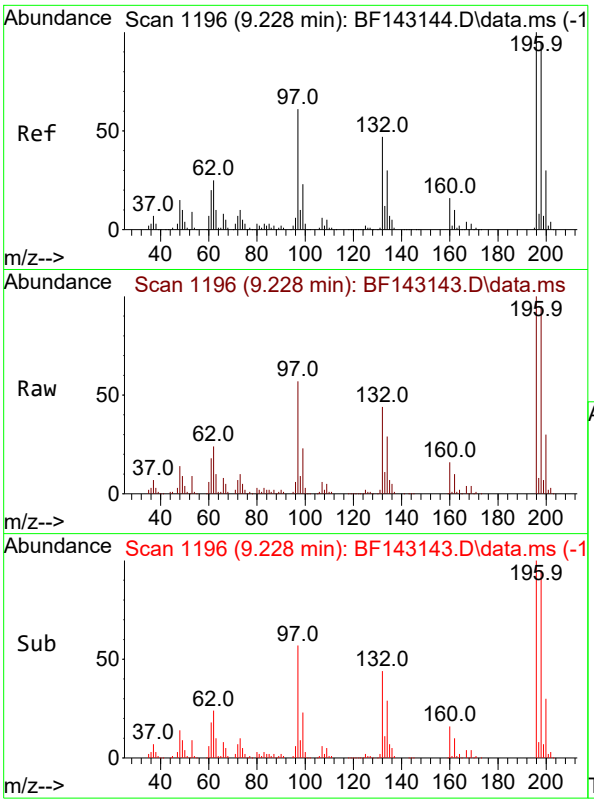


#42
2,4,6-Tribromophenol
Concen: 41.034 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:330 Resp: 139748

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.7	115.1
141	30.4	23.3	34.9

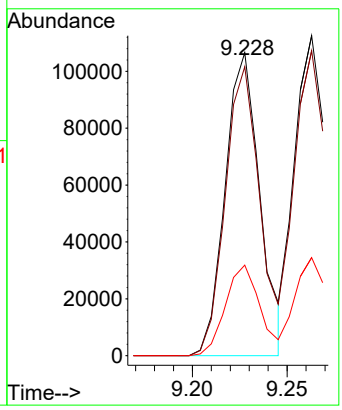




#43
2,4,6-Trichlorophenol
Concen: 20.601 ng
RT: 9.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:196 Resp: 13570

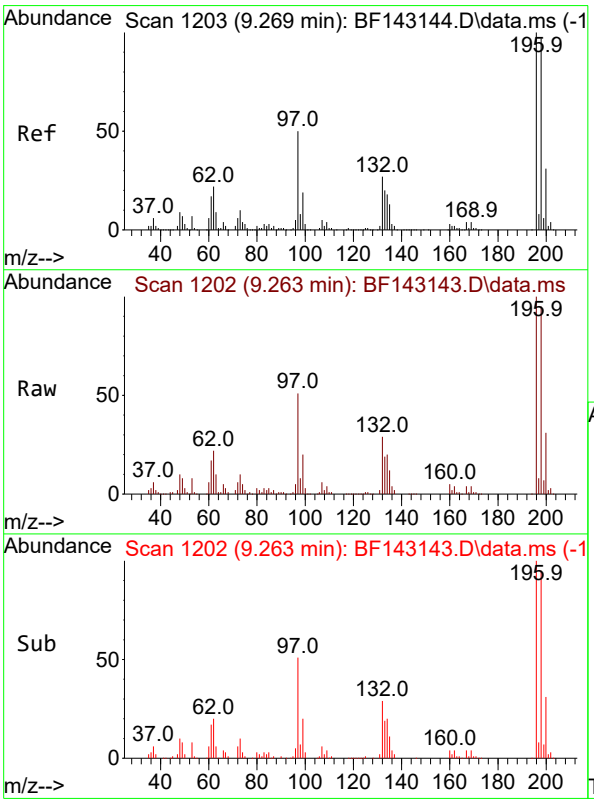
Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.2	114.2
200	29.9	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

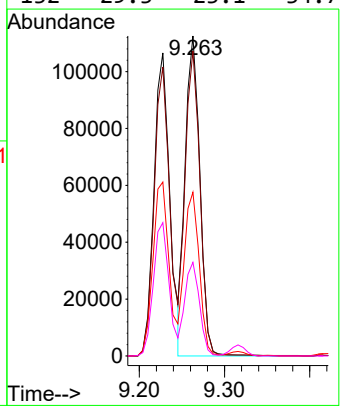
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

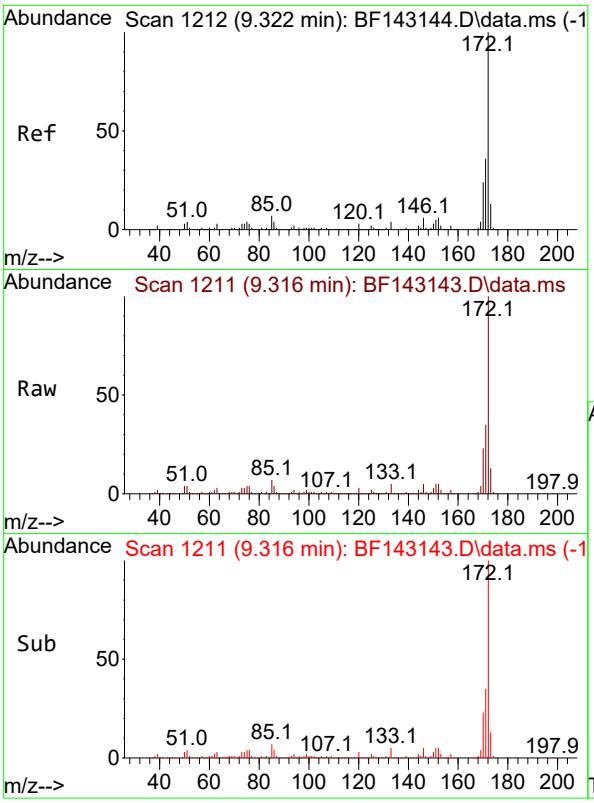


#44
2,4,5-Trichlorophenol
Concen: 20.584 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:196 Resp: 135634

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	51.2	40.3	60.5
132	29.3	23.1	34.7

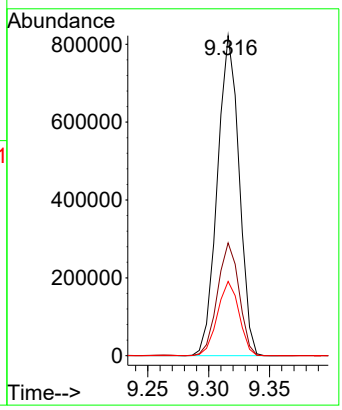




#45
2-Fluorobiphenyl
Concen: 42.301 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:172 Resp: 101968

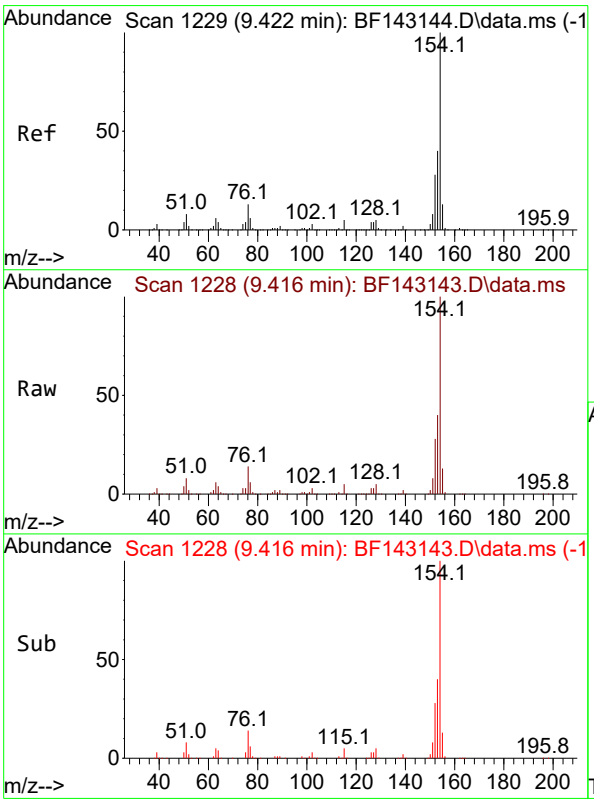
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

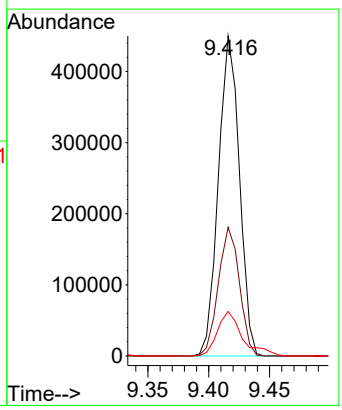
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

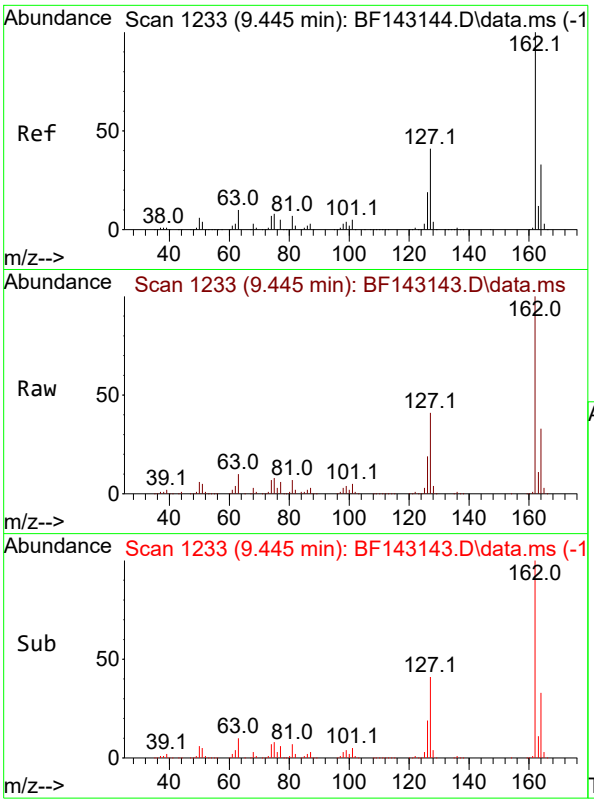


#46
1,1'-Biphenyl
Concen: 21.019 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 540637

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	13.9	0.0	33.3

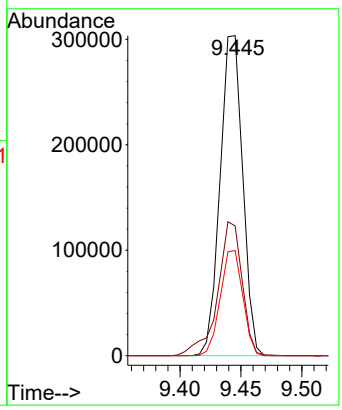




#47
2-Chloronaphthalene
Concen: 20.650 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:162 Resp: 39300

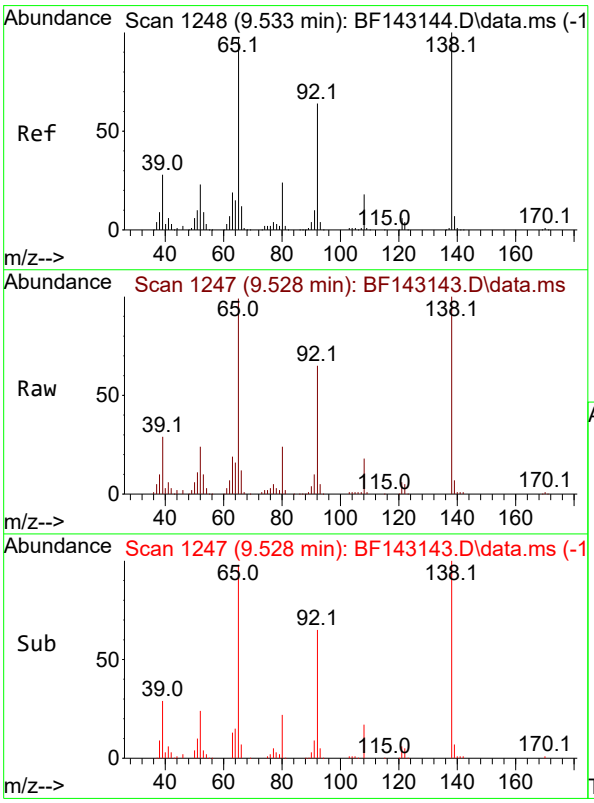
Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.9	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

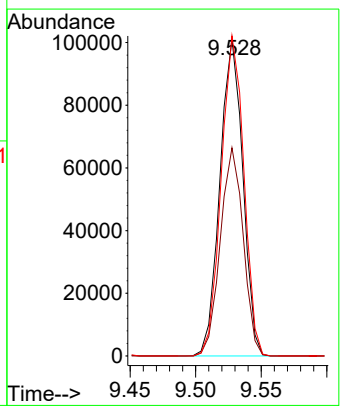
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

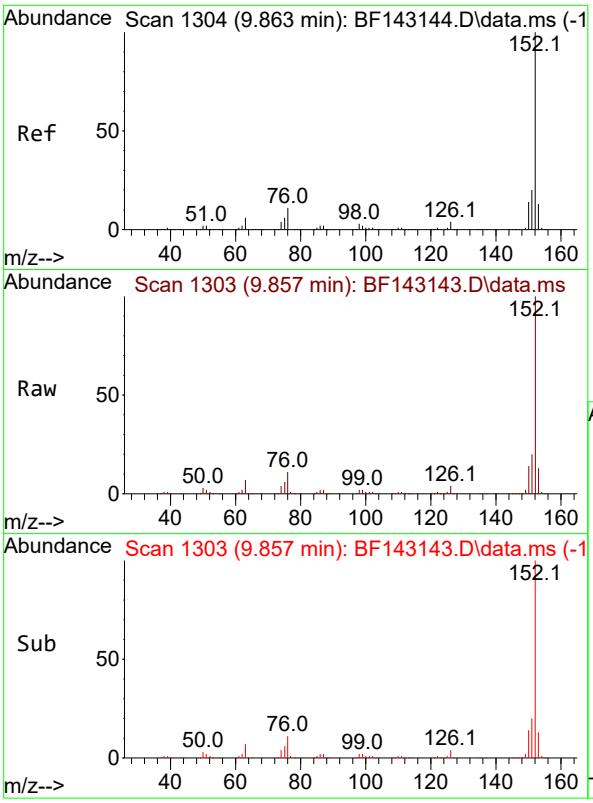


#48
2-Nitroaniline
Concen: 20.528 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 65 Resp: 122517

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.4	78.6
138	100.8	82.3	123.5

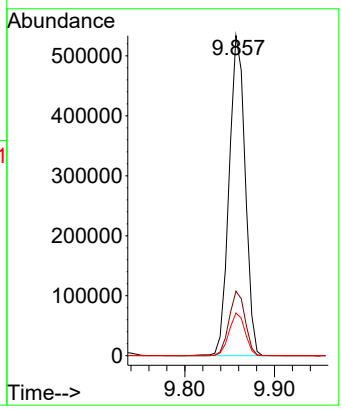




#49
Acenaphthylene
Concen: 20.789 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:152 Resp: 66304

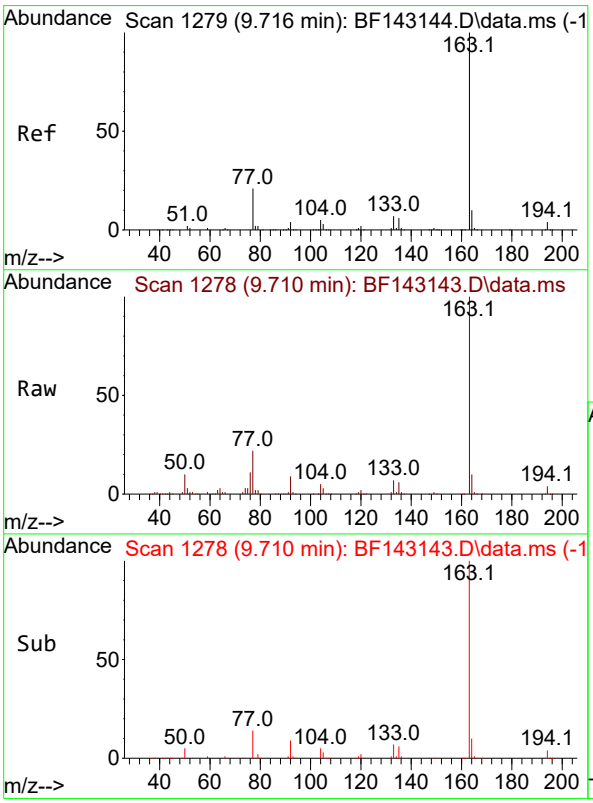
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

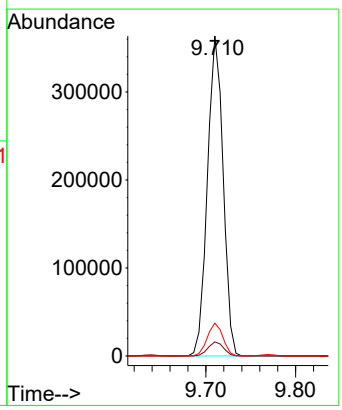
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

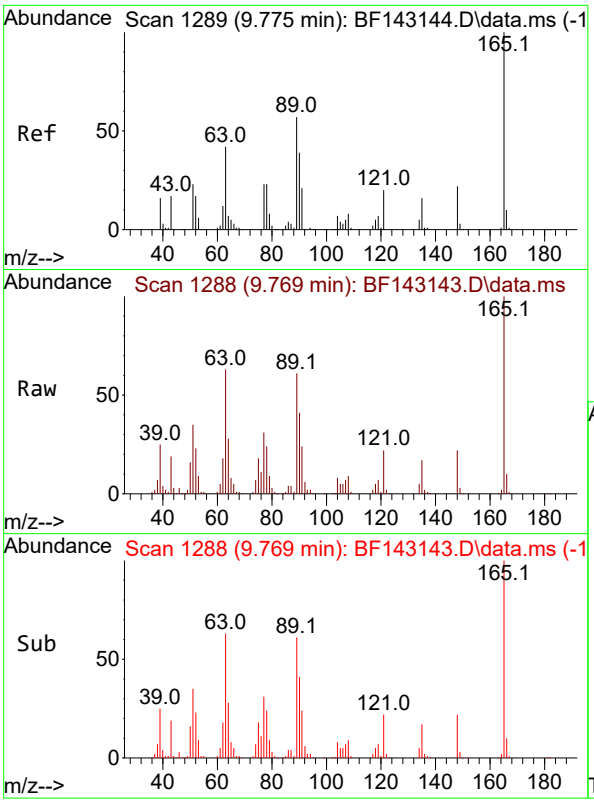


#50
Dimethylphthalate
Concen: 20.558 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:163 Resp: 441768

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.3	12.5

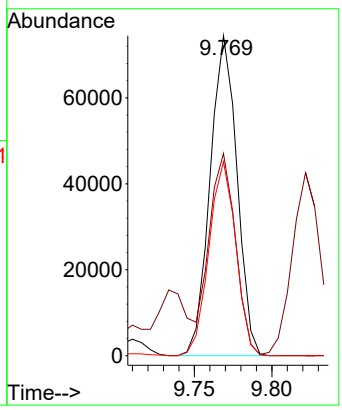




#51
2,6-Dinitrotoluene
Concen: 20.529 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:165 Resp: 8974

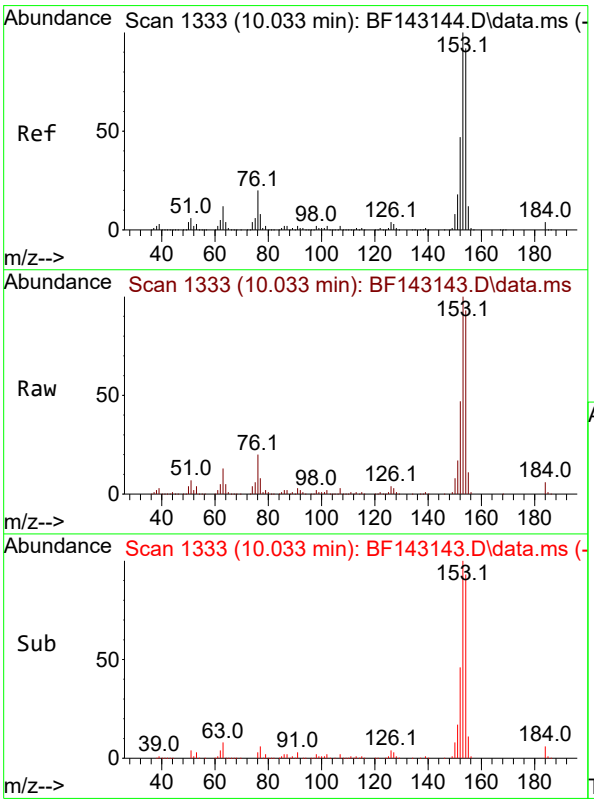
Ion	Ratio	Lower	Upper
165	100		
63	63.2	49.4	74.2
89	60.6	46.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

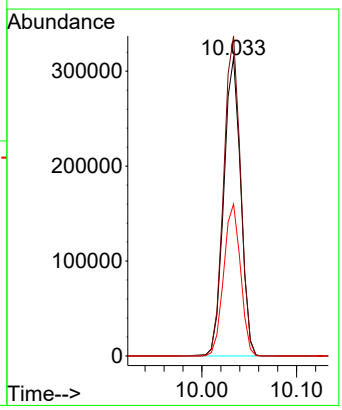
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

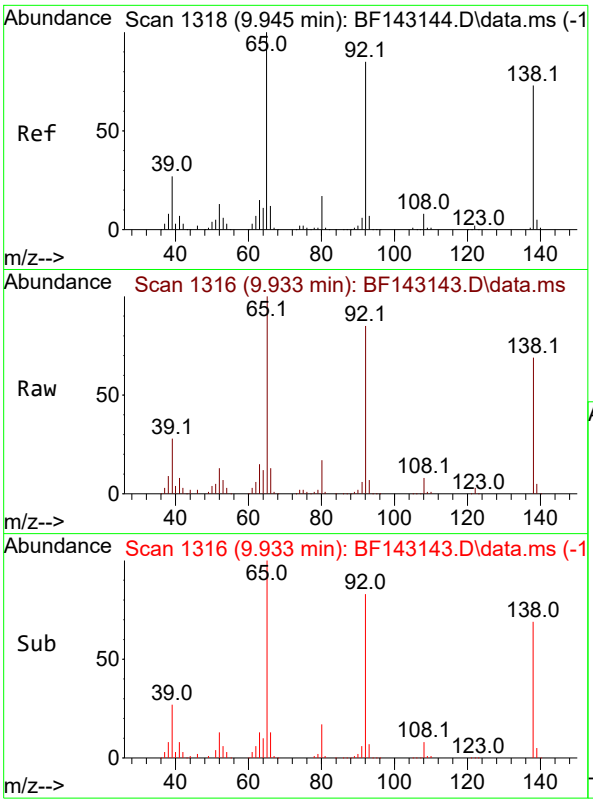


#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 390249

Ion	Ratio	Lower	Upper
154	100		
153	107.3	86.6	129.8
152	50.9	40.4	60.6





#53
3-Nitroaniline
Concen: 20.314 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

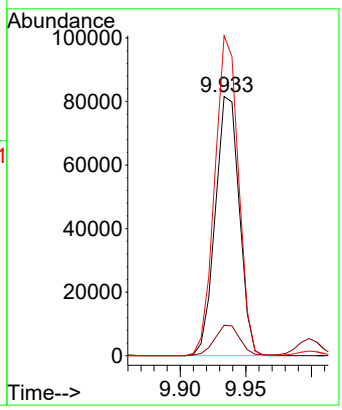
Tgt Ion:138 Resp: 10387

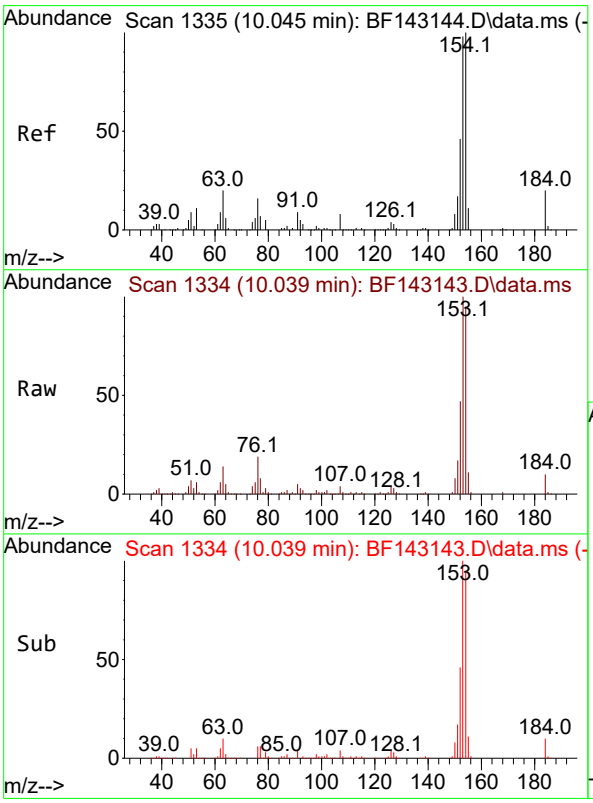
Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.0	13.6
92	123.4	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

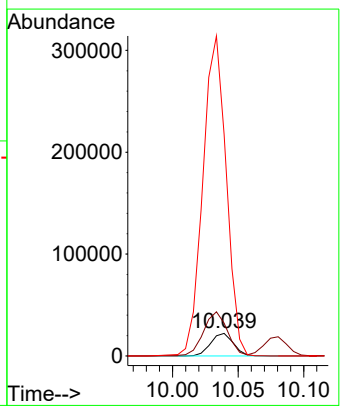


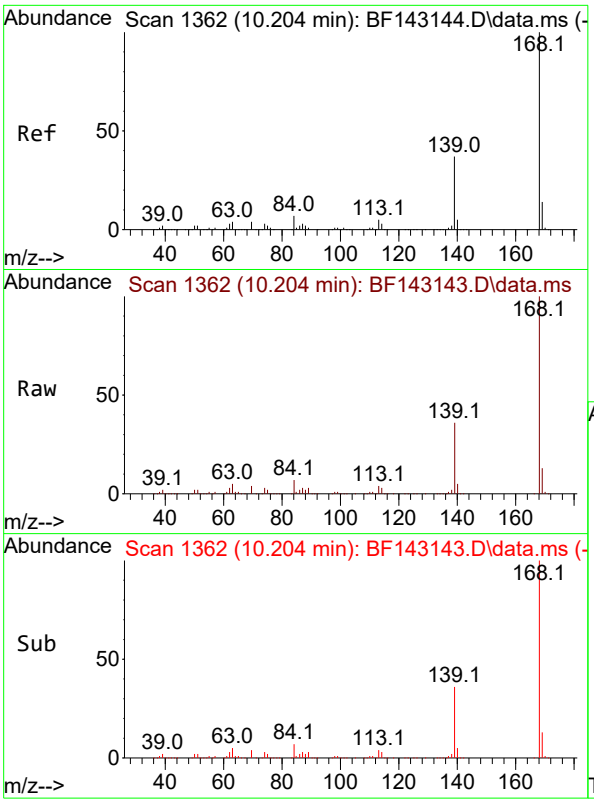


#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:184 Resp: 26820

Ion	Ratio	Lower	Upper
184	100		
63	145.3	81.8	122.6#
154	980.0	412.2	618.4#

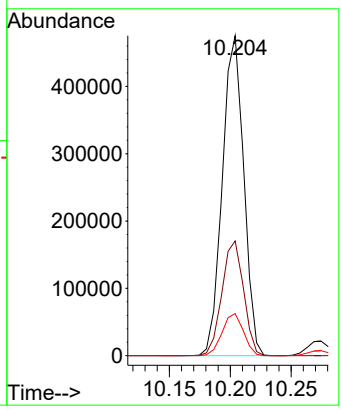




#55
Dibenzofuran
Concen: 20.806 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:168 Resp: 58232

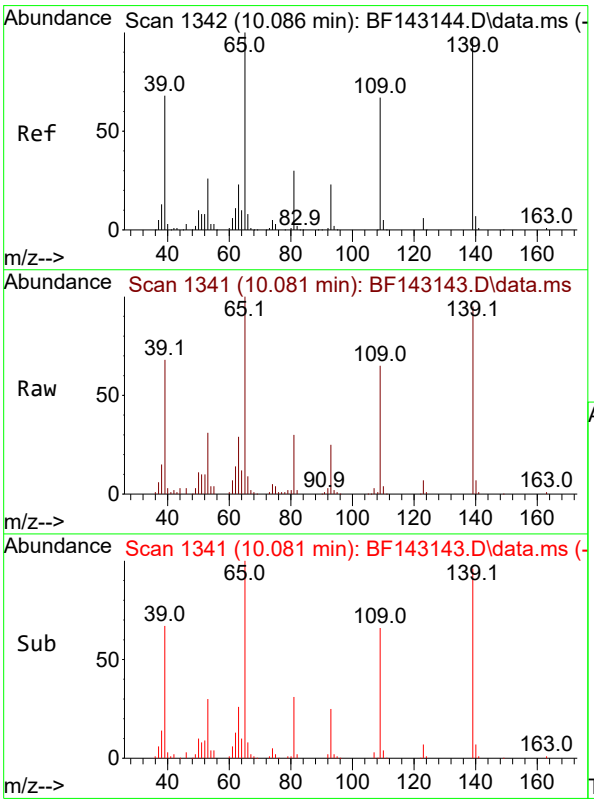
Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.5	44.3
169	13.1	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

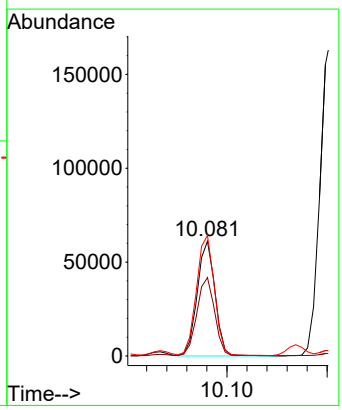
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

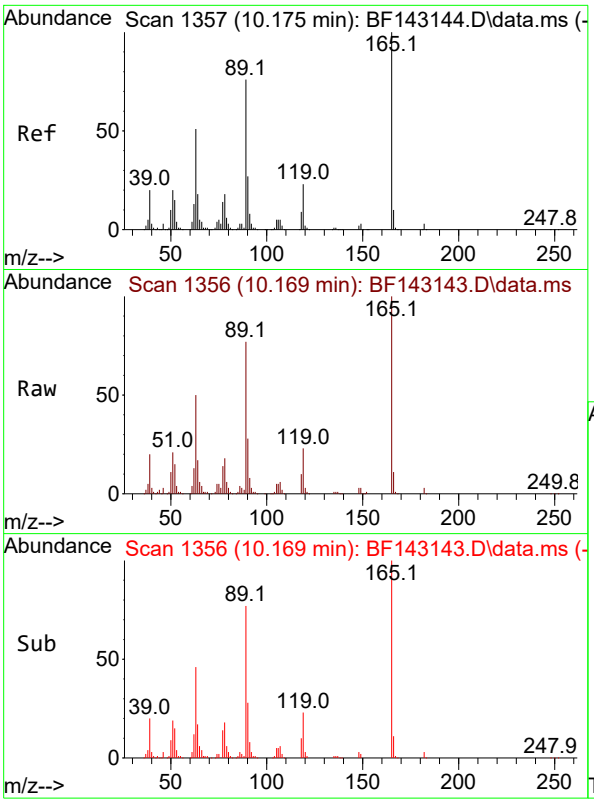


#56
4-Nitrophenol
Concen: 19.715 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 75275

Ion	Ratio	Lower	Upper
139	100		
109	68.3	48.5	88.5
65	105.1	83.4	123.4

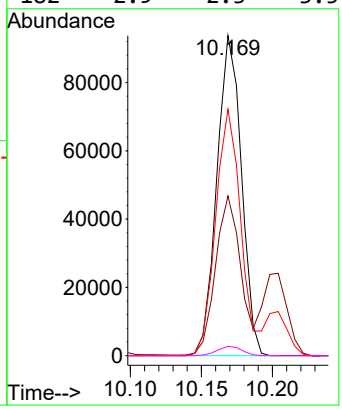




#57
2,4-Dinitrotoluene
Concen: 20.577 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:165 Resp: 11285

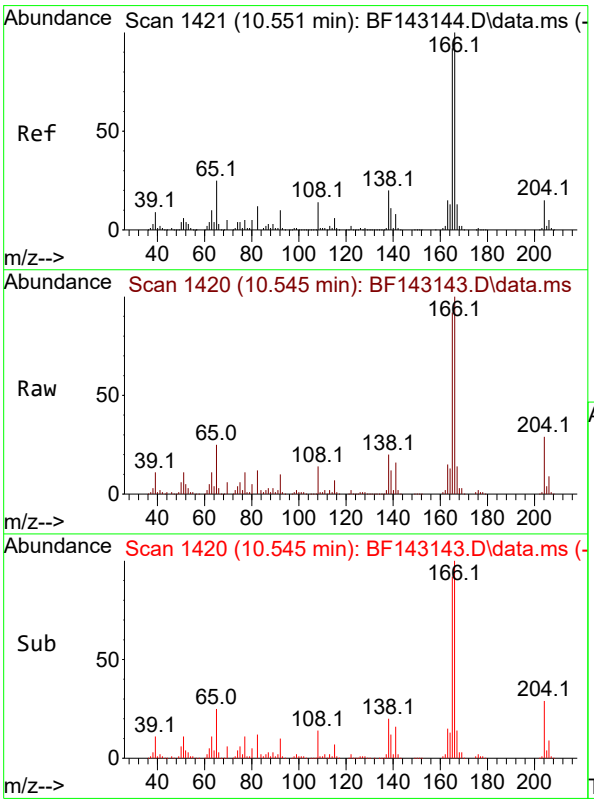
Ion	Ratio	Lower	Upper
165	100		
63	49.9	41.0	61.4
89	77.0	61.1	91.7
182	2.9	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

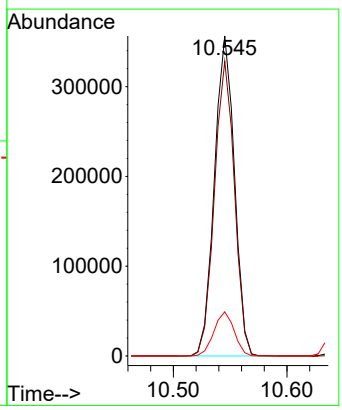
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

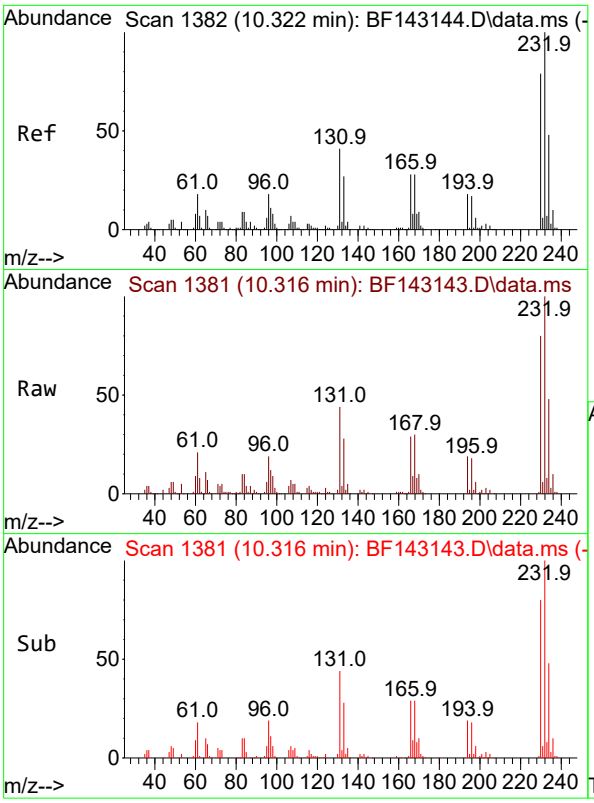


#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:166 Resp: 435866

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.8	10.6	16.0

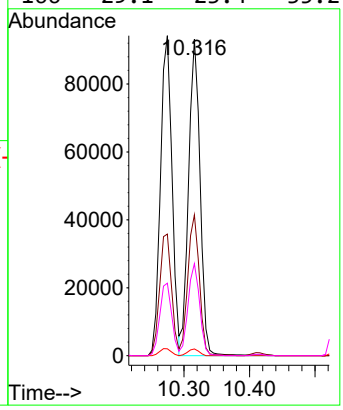




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.859 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:232 Resp: 11385

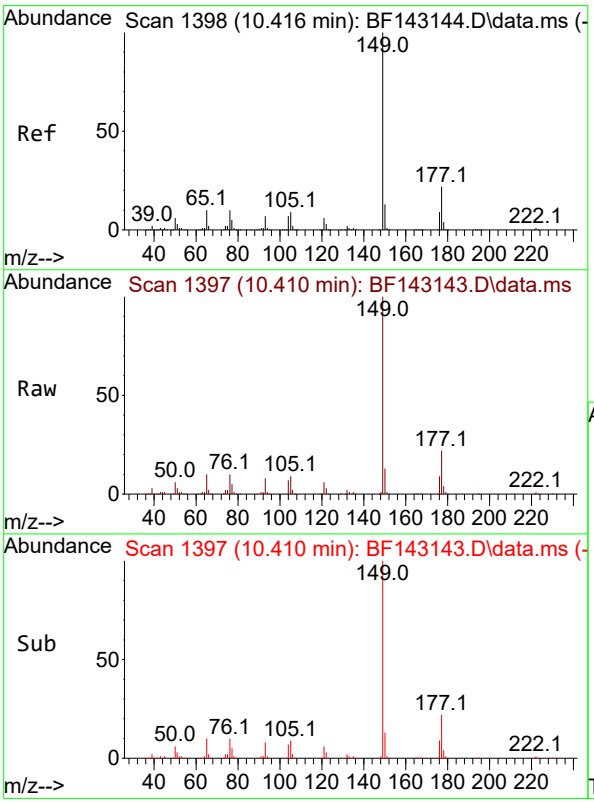
Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.1	1.7	2.5
166	29.1	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

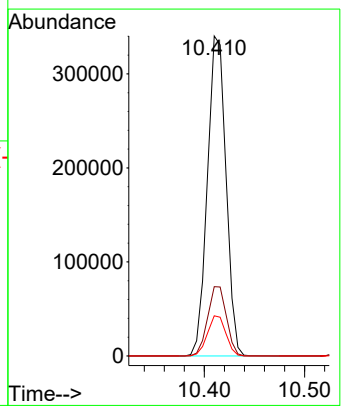
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

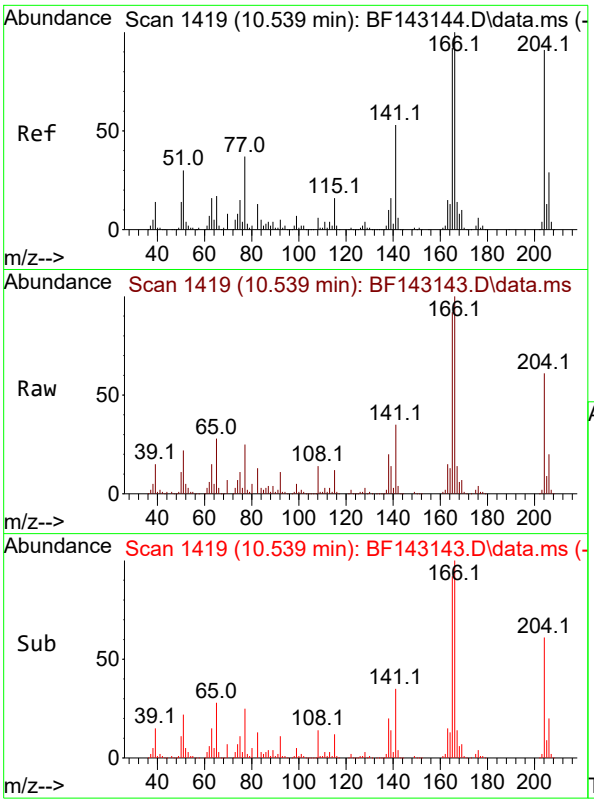


#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 440058

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.5	26.3
150	12.5	10.2	15.2

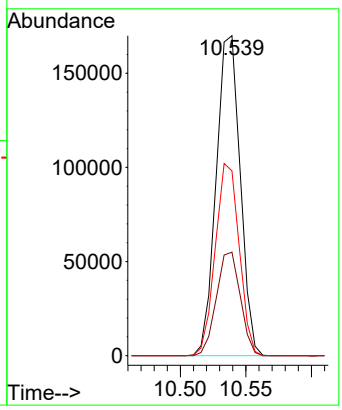




#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:204 Resp: 21649

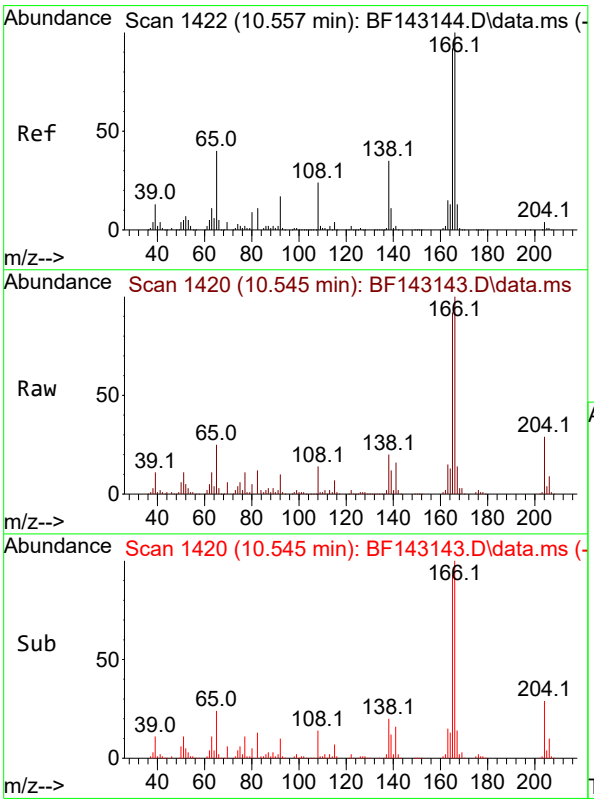
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	57.8	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

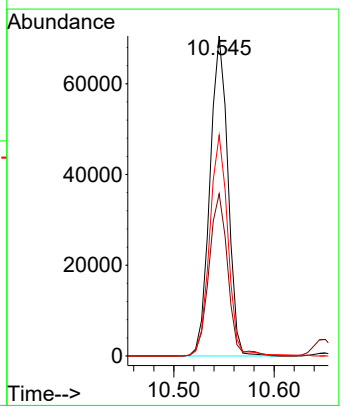
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

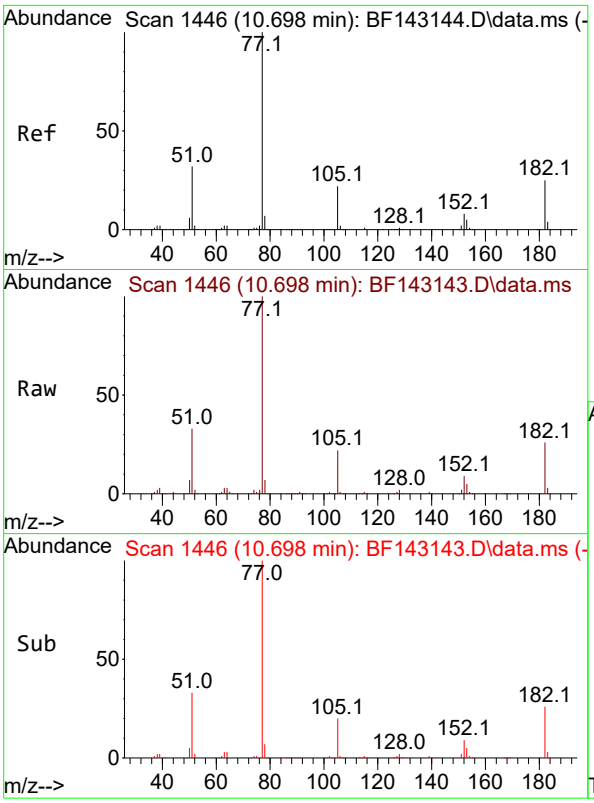


#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:138 Resp: 87666

Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.3	69.3
108	69.0	48.3	88.3

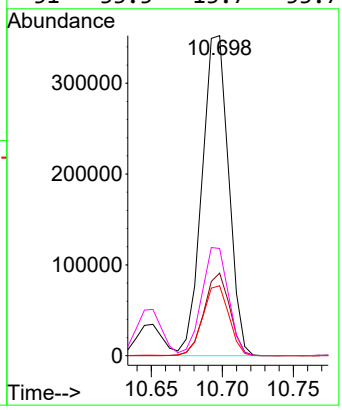




#63
Azobenzene
Concen: 20.690 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 77 Resp: 45801

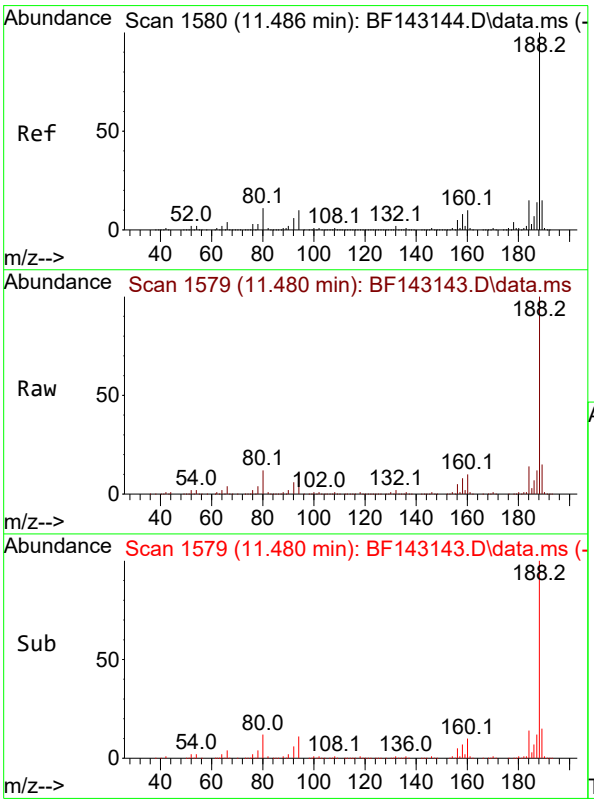
Ion	Ratio	Lower	Upper
77	100		
182	25.8	4.6	44.6
105	21.8	1.4	41.4
51	33.5	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

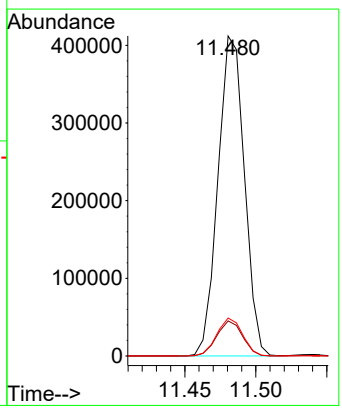
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

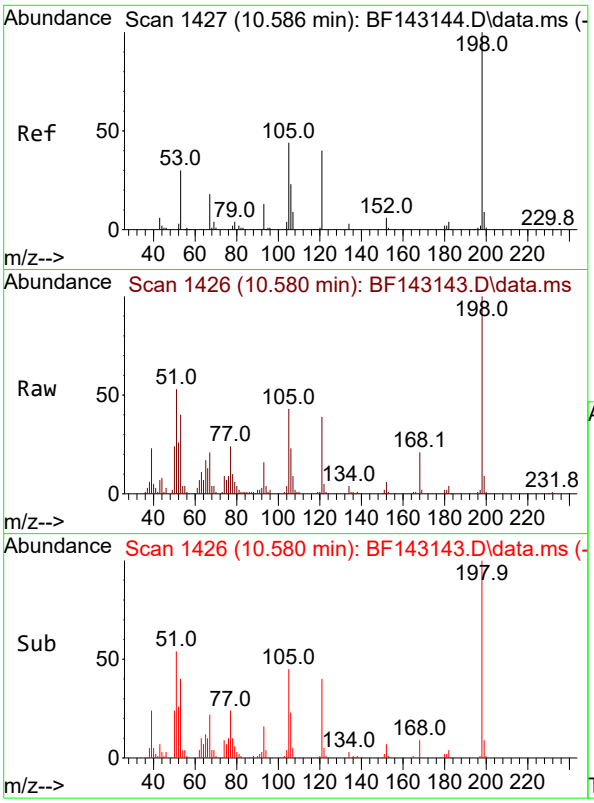


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:188 Resp: 532921

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.3	12.5
80	11.9	9.0	13.6

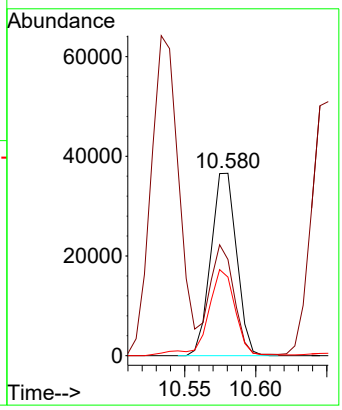




#65
4,6-Dinitro-2-methylphenol
Concen: 20.060 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:198 Resp: 4612

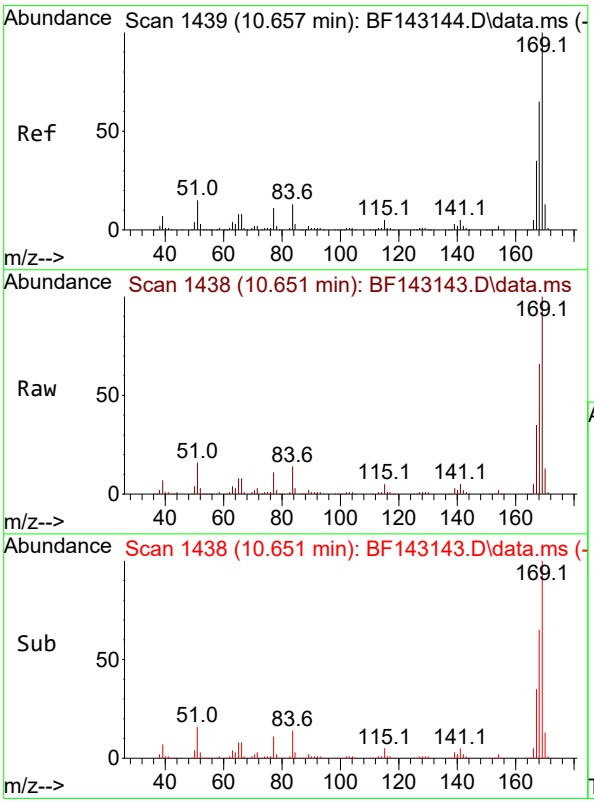
Ion	Ratio	Lower	Upper
198	100		
51	52.7	37.2	77.2
105	43.1	24.8	64.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

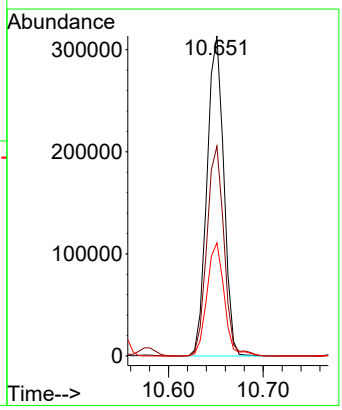
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

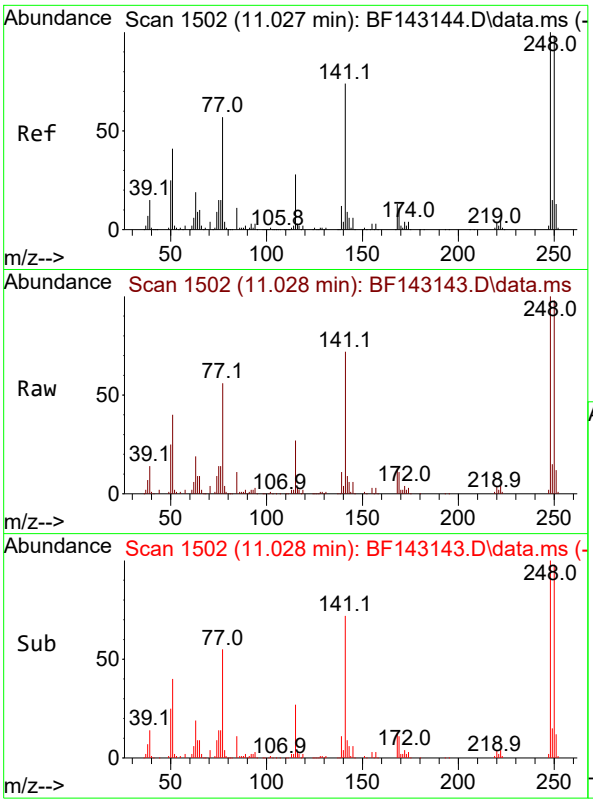


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:169 Resp: 384467

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.1	78.1
167	35.4	28.2	42.2

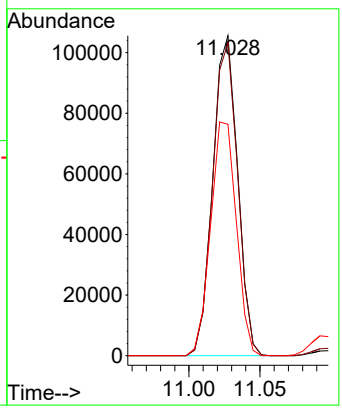




#67
4-Bromophenyl-phenylether
Concen: 20.259 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:248 Resp: 12866

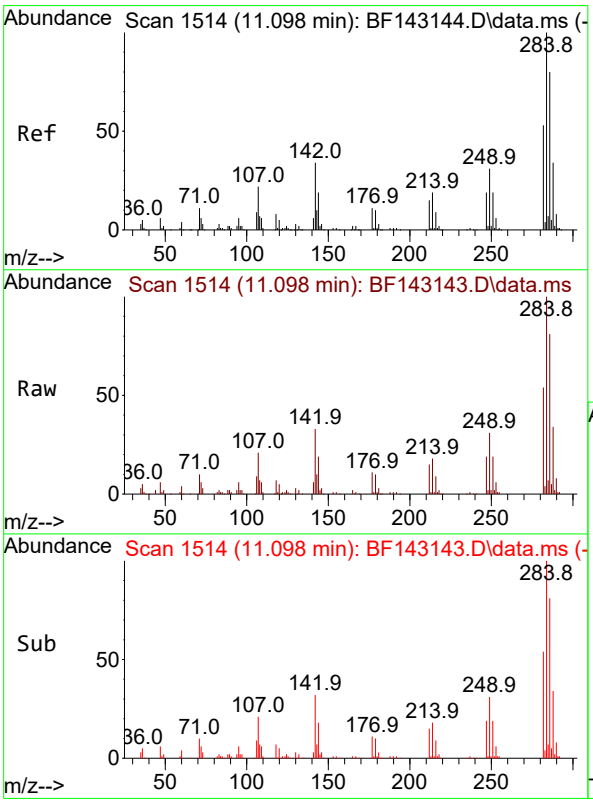
Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.3	117.5
141	72.3	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

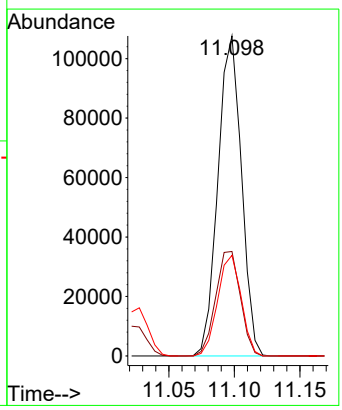
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

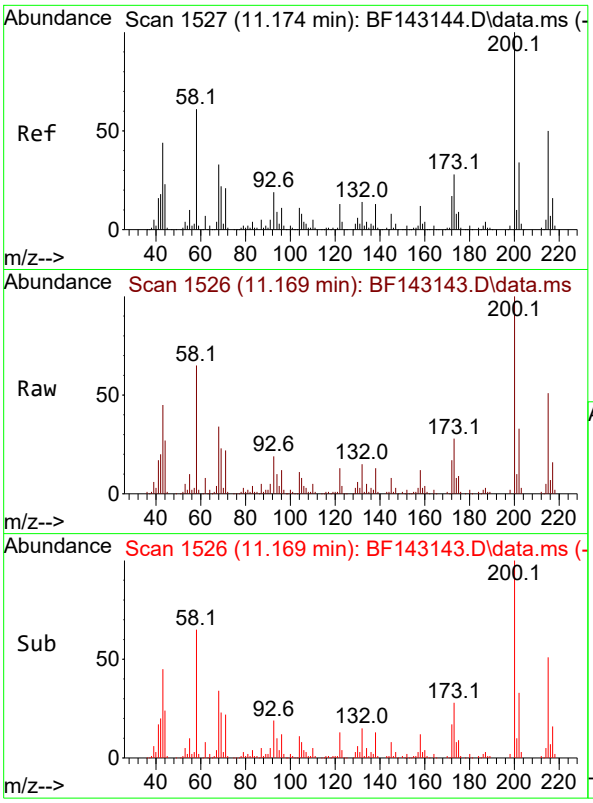


#68
Hexachlorobenzene
Concen: 20.191 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:284 Resp: 134031

Ion	Ratio	Lower	Upper
284	100		
142	32.7	27.0	40.6
249	31.5	25.0	37.6

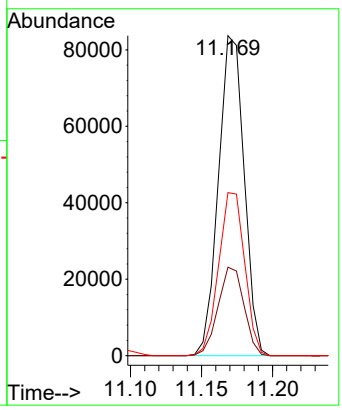




#69
Atrazine
Concen: 20.370 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:200 Resp: 10538

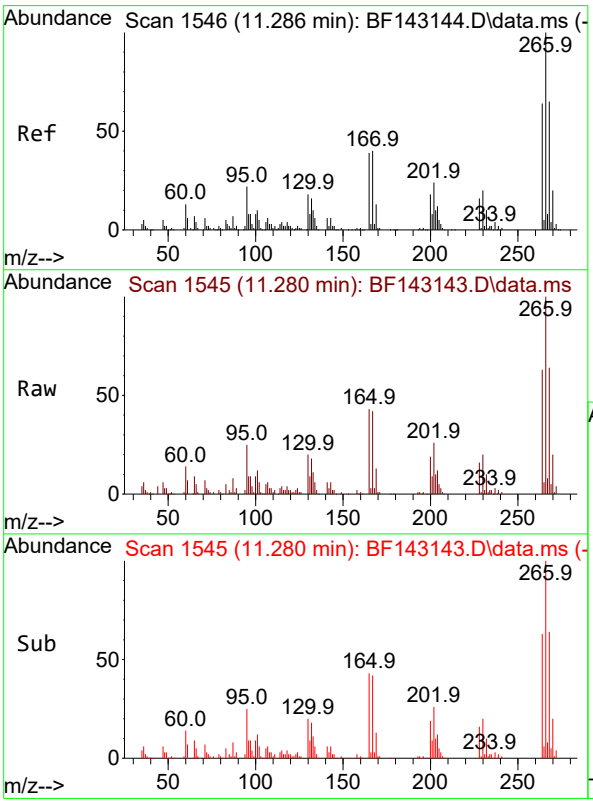
Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.9	47.9
215	51.0	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

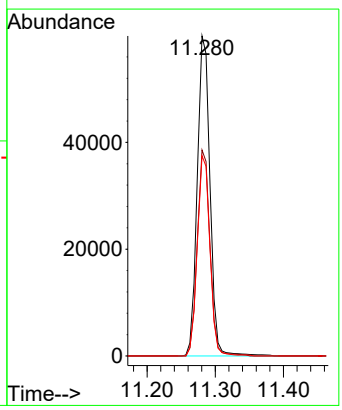
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

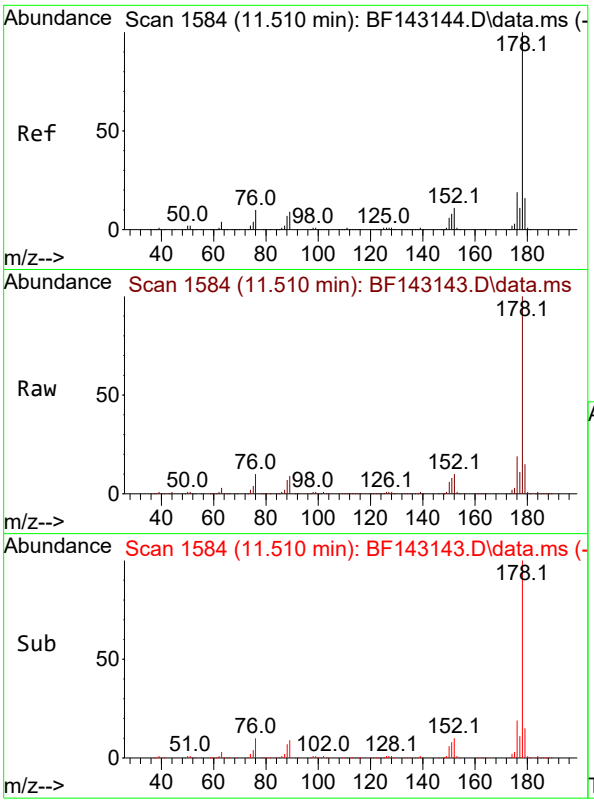


#70
Pentachlorophenol
Concen: 19.957 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:266 Resp: 77906

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.9	77.9
264	62.6	51.0	76.6

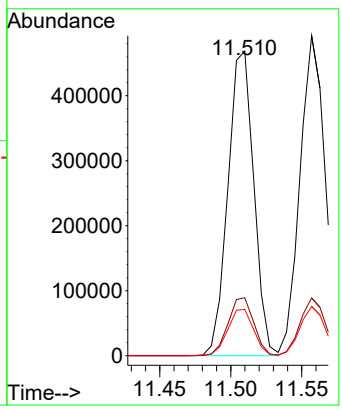




#71
Phenanthrene
Concen: 21.042 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:178 Resp: 59541

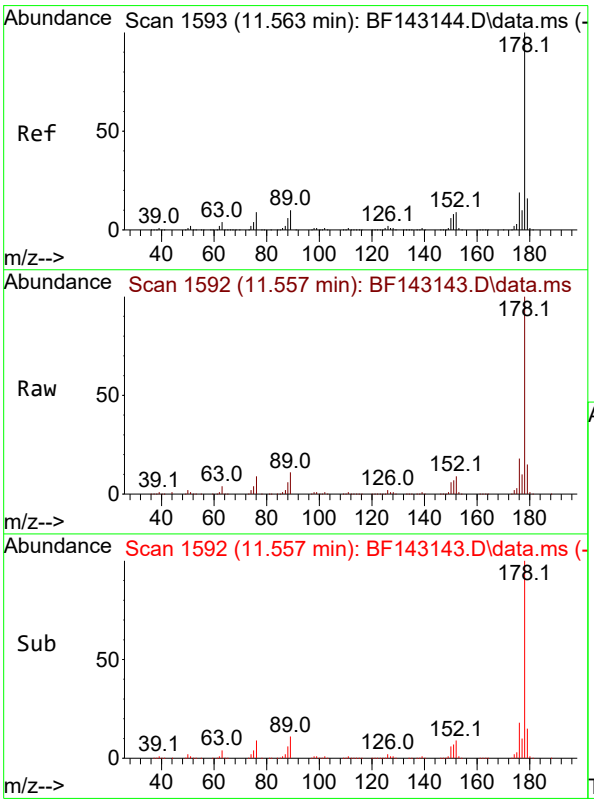
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

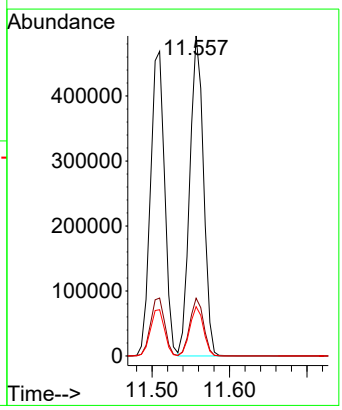
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

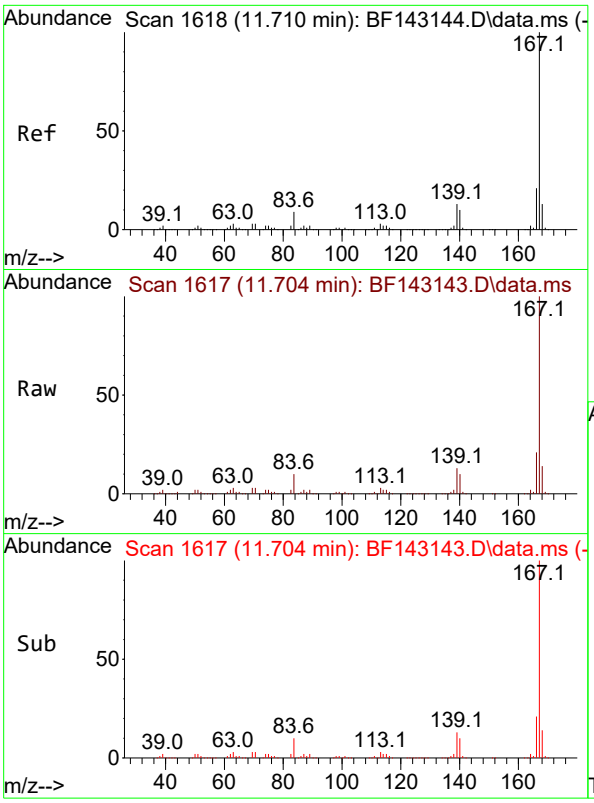


#72
Anthracene
Concen: 20.944 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:178 Resp: 604416

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	15.4	12.5	18.7

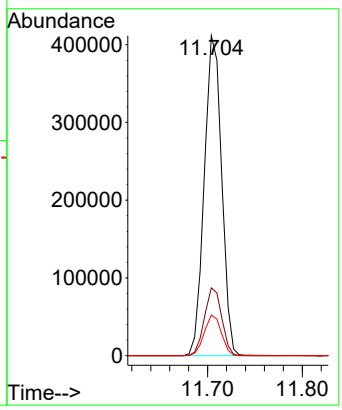




#73
Carbazole
Concen: 20.769 ng
RT: 11.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:167 Resp: 52336

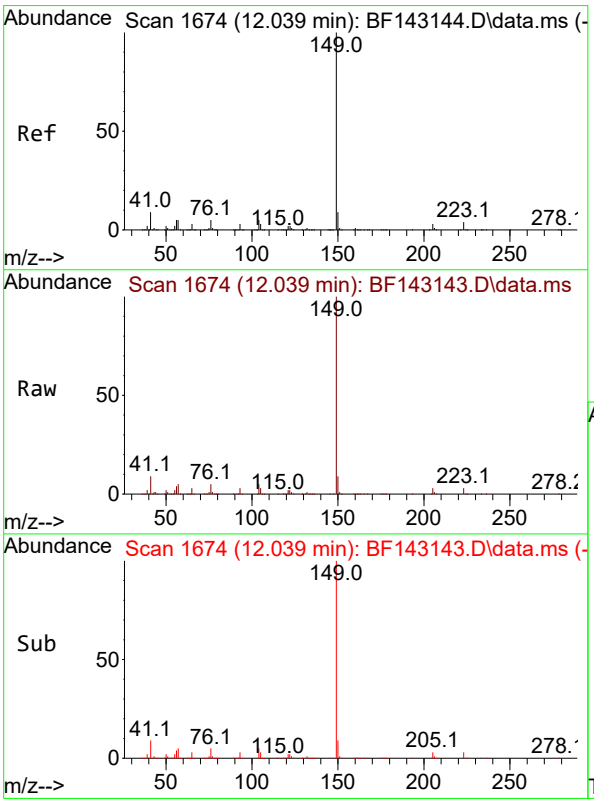
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.7	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

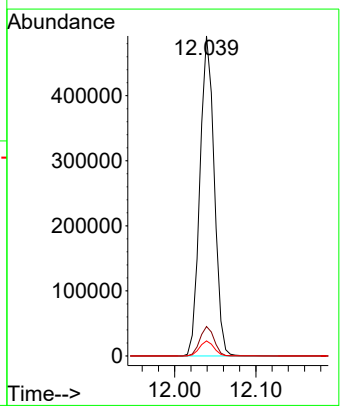
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

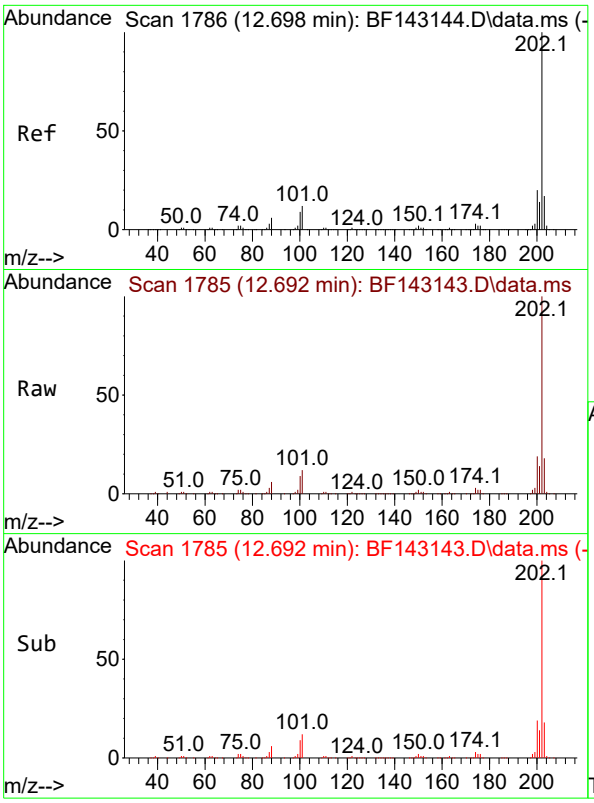


#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 601867

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.7	3.8	5.8

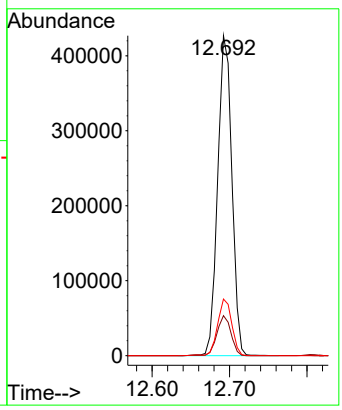




#75
Fluoranthene
Concen: 20.894 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:202 Resp: 54266

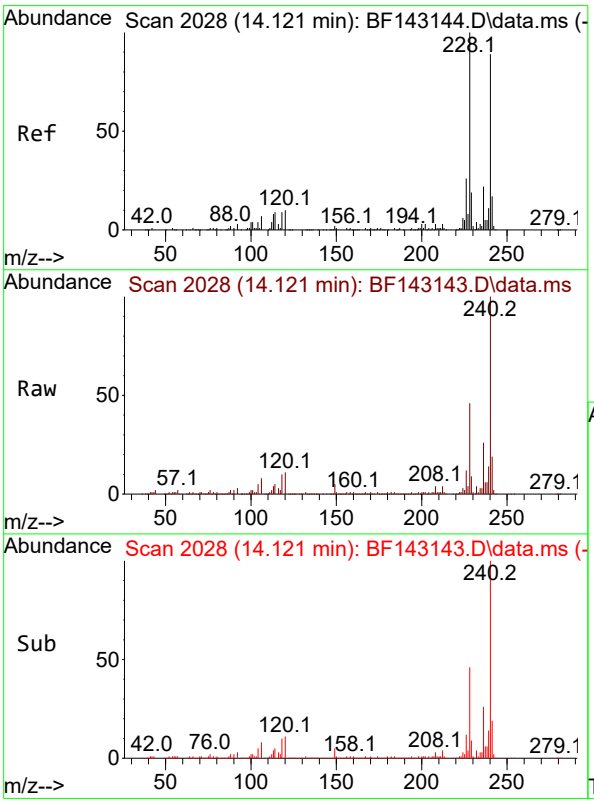
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.7
203	17.7	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

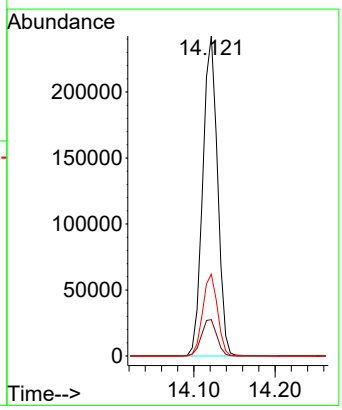
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

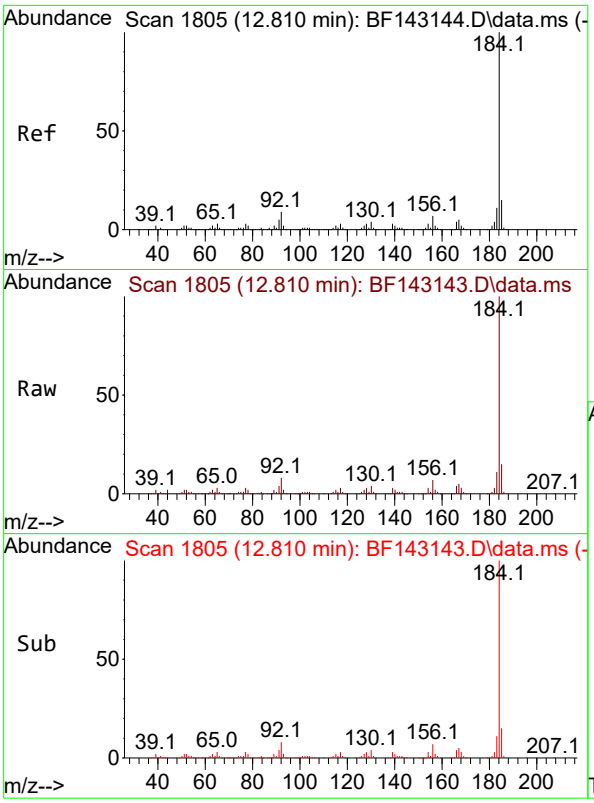


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:240 Resp: 305398

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.4	14.2
236	25.5	20.2	30.4

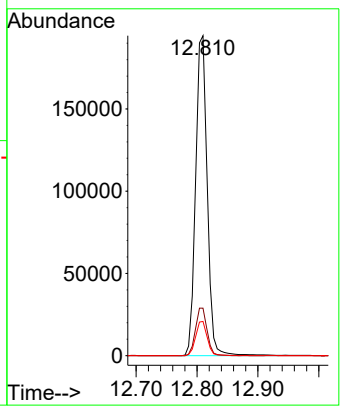




#77
Benzidine
Concen: 21.919 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:184 Resp: 25790

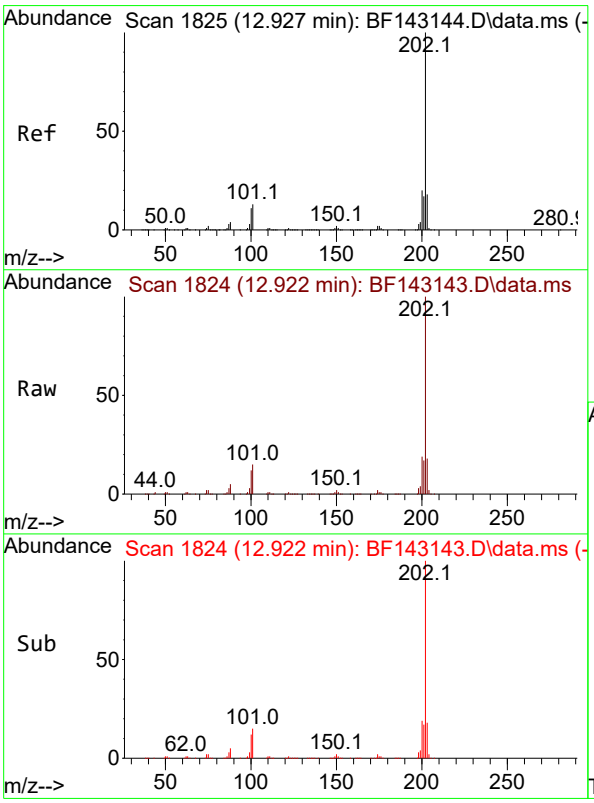
Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.2	18.4
183	10.7	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

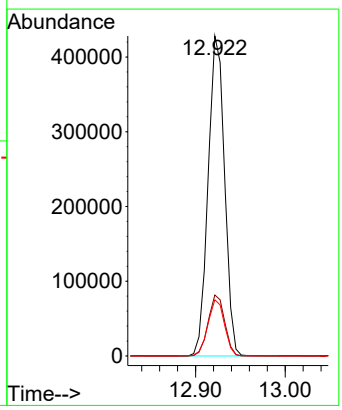
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

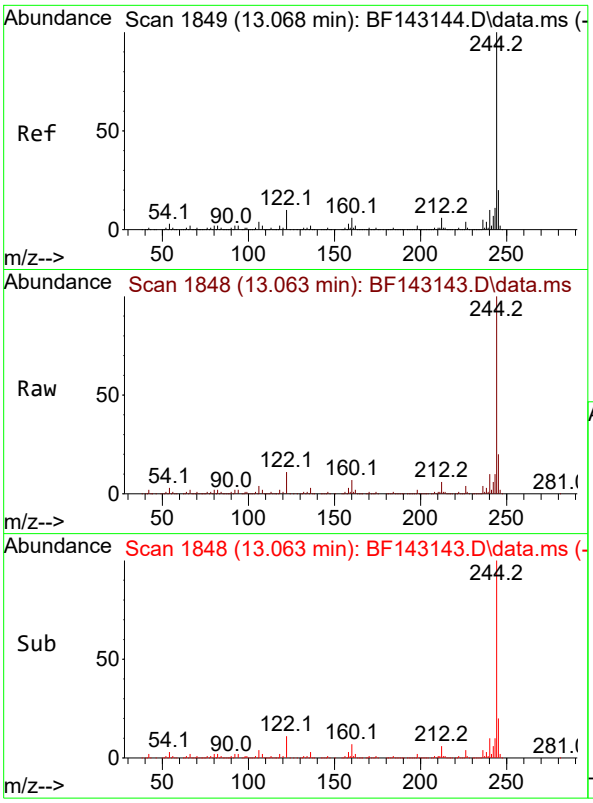


#78
Pyrene
Concen: 20.897 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:202 Resp: 544650

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.7	23.5
203	17.6	14.2	21.2

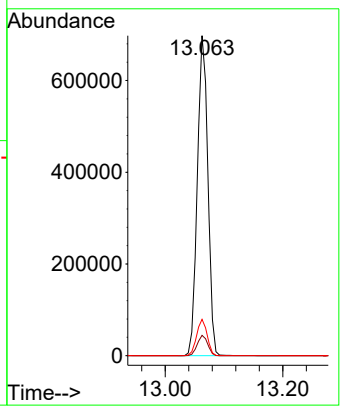




#79
Terphenyl-d14
Concen: 42.238 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:244 Resp: 86683

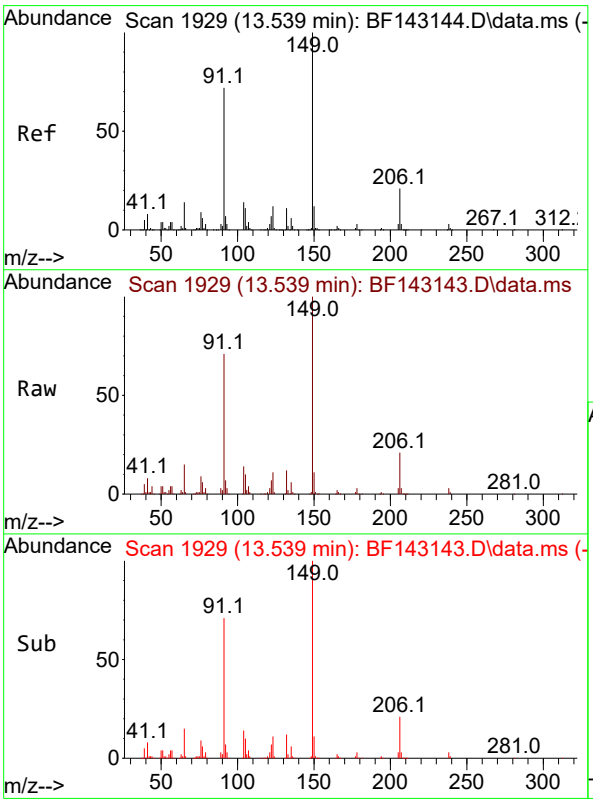
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.3	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

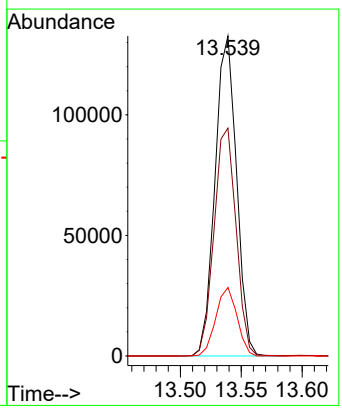
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

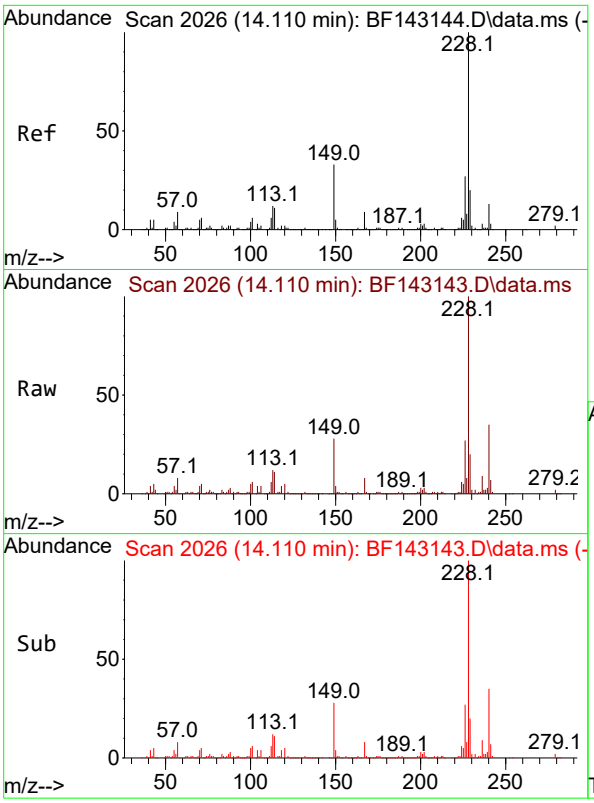


#80
Butylbenzylphthalate
Concen: 20.491 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 163546

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.9	86.9
206	21.4	17.0	25.4

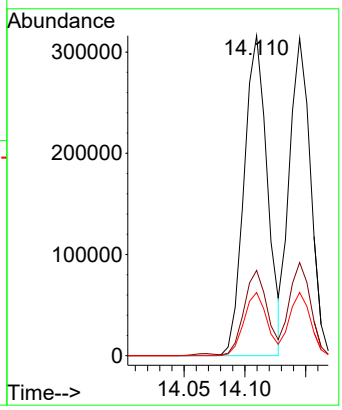




#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:228 Resp: 42179

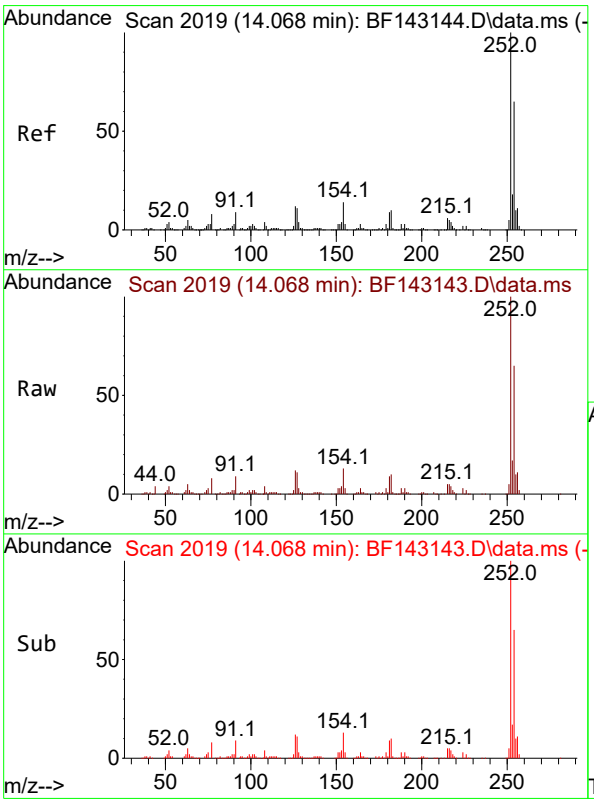
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

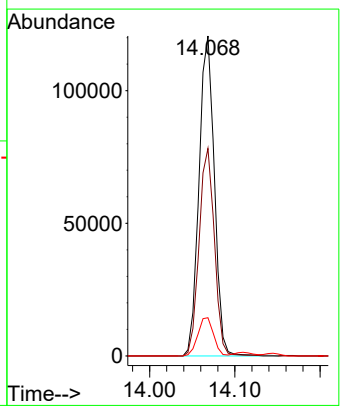
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

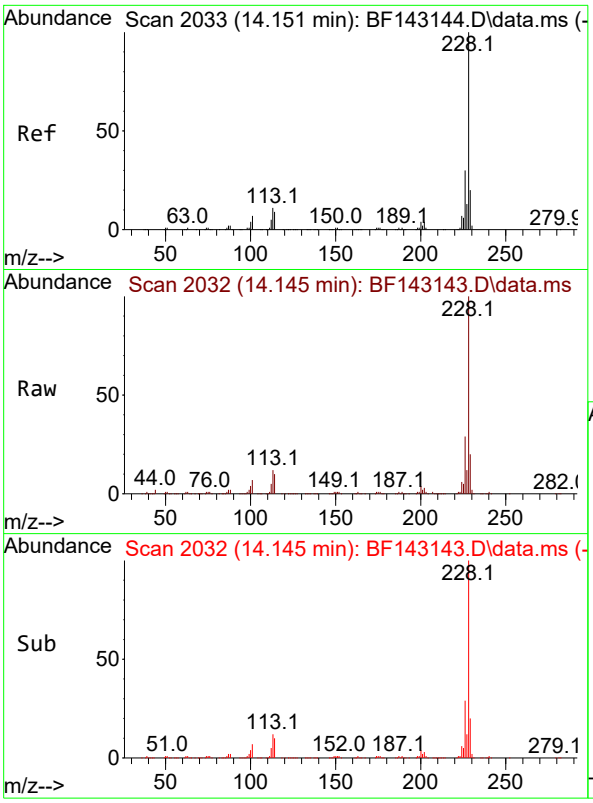


#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 151153

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	12.0	9.4	14.0

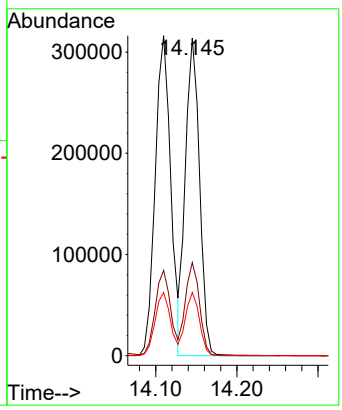




#83
Chrysene
Concen: 20.714 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:228 Resp: 380799

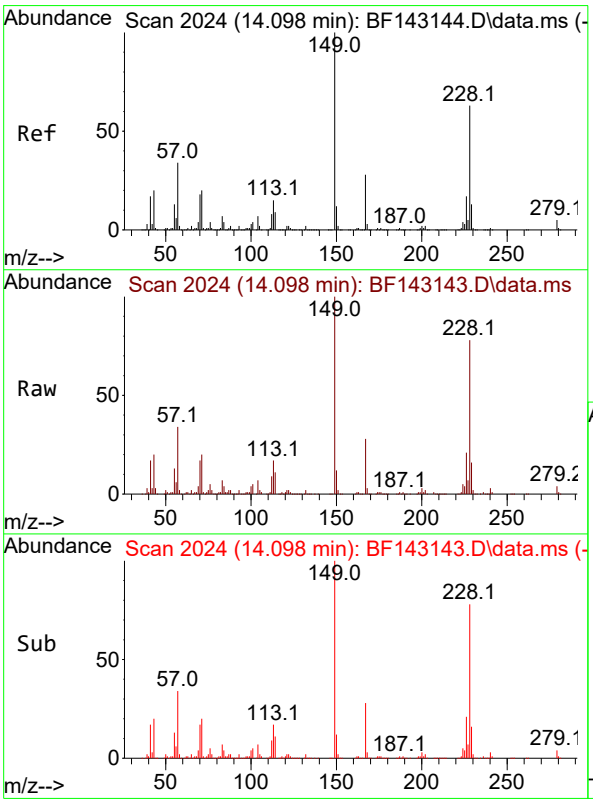
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	19.9	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

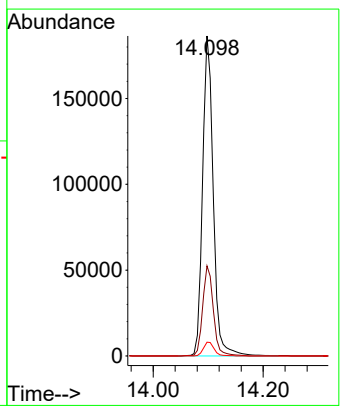
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

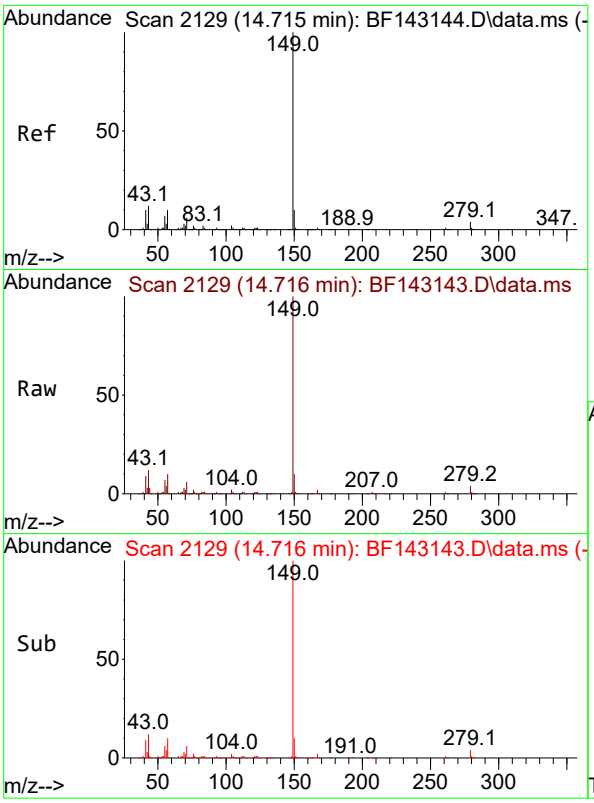


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.839 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 251739

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.3	3.6	5.4

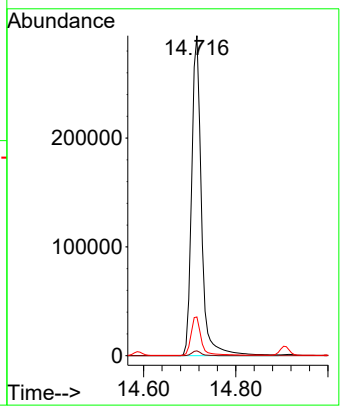




#85
Di-n-octyl phthalate
Concen: 19.916 ng
RT: 14.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 43610

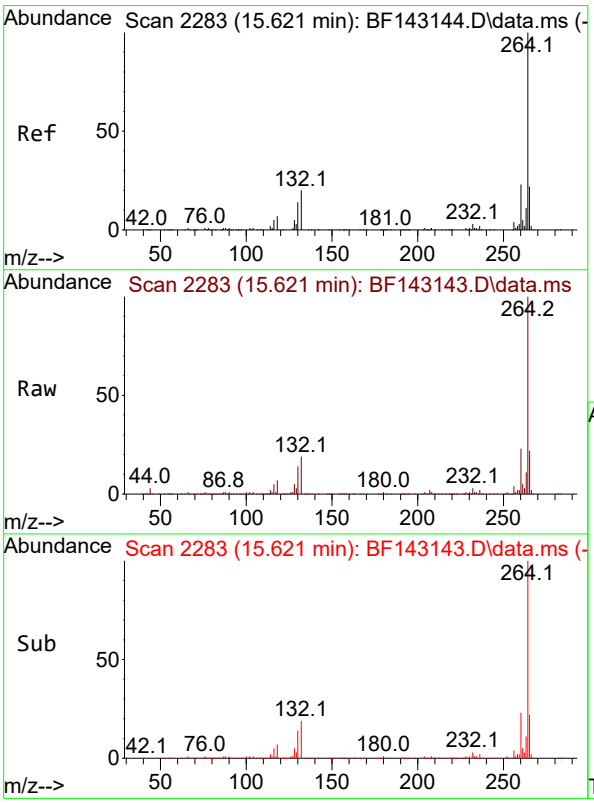
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.4	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

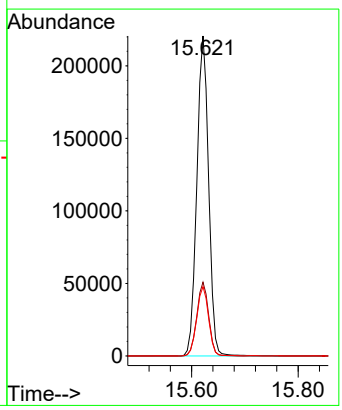
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

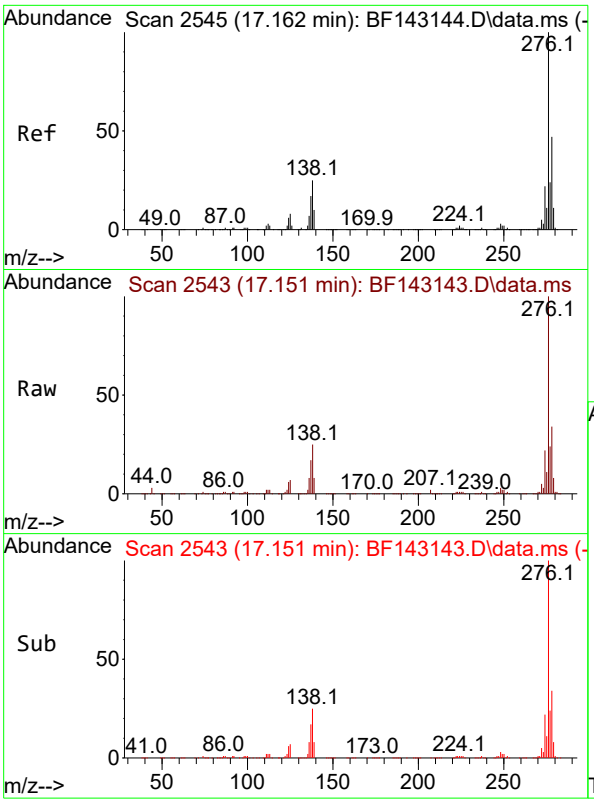


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:264 Resp: 338518

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.7	17.4	26.2

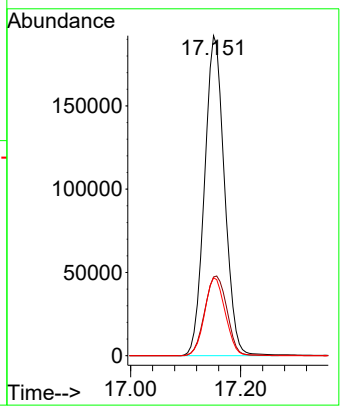




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.286 ng
RT: 17.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:276 Resp: 48424

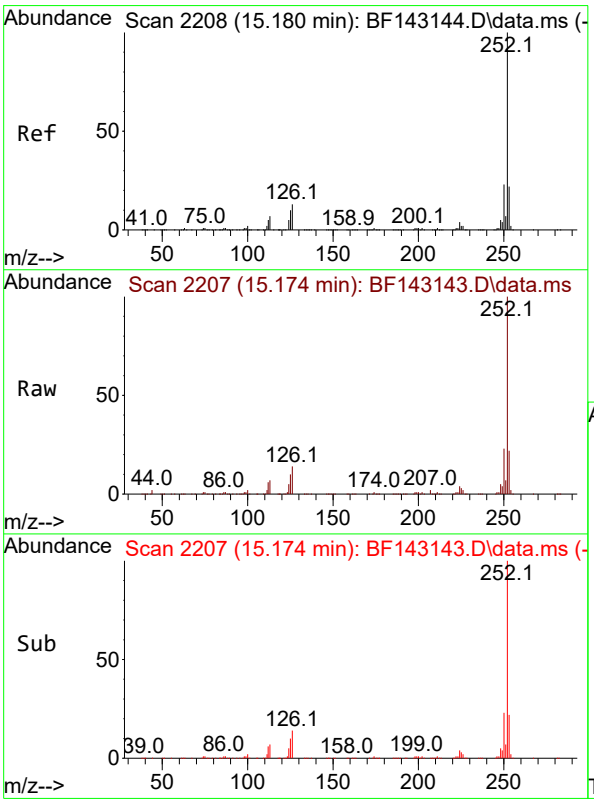
Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.8	32.6
277	25.3	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

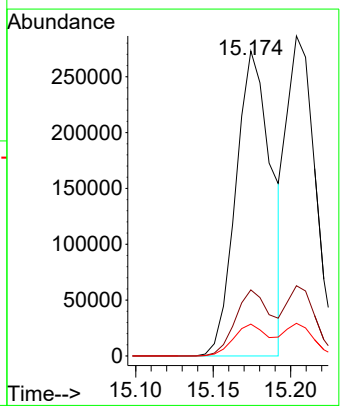
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

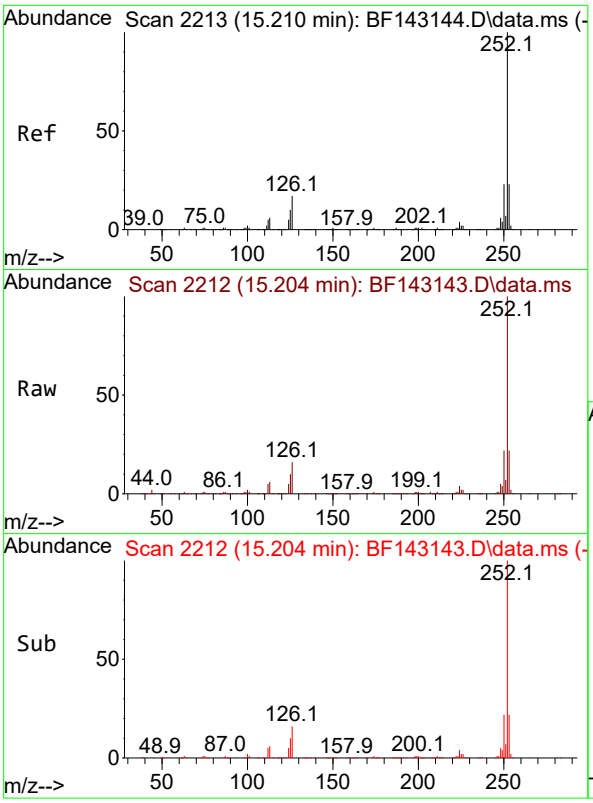


#88
Benzo(b)fluoranthene
Concen: 21.071 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 435747

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.4	8.0	12.0

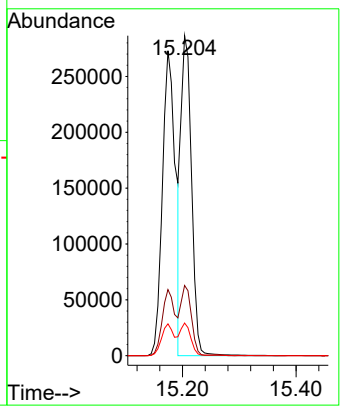




#89
Benzo(k)fluoranthene
Concen: 20.044 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 36989

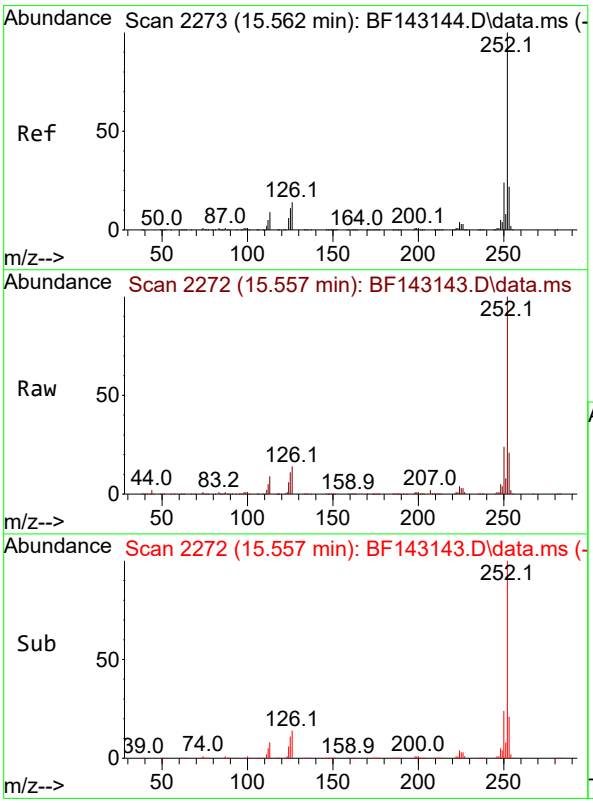
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.2	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

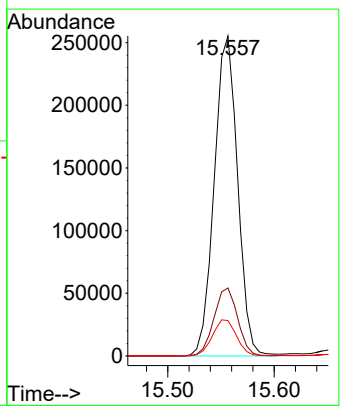
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

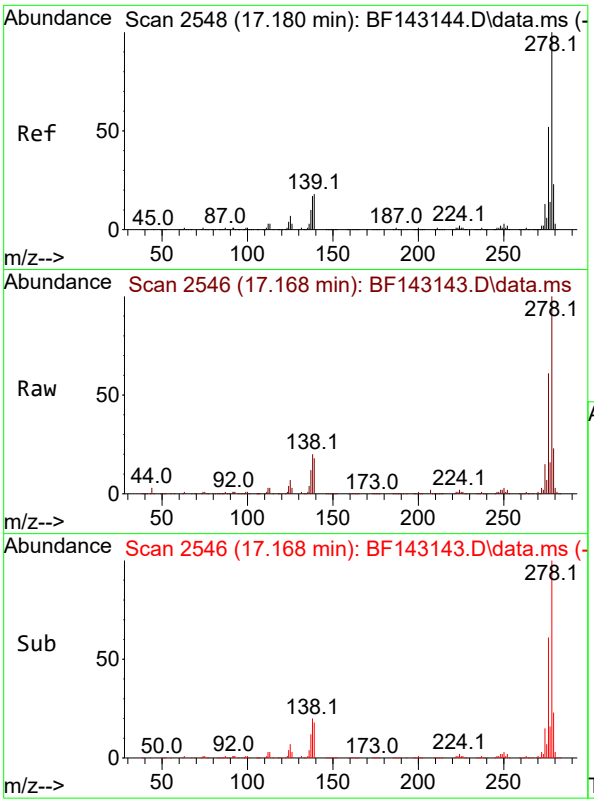


#90
Benzo(a)pyrene
Concen: 20.371 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 388136

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	11.0	8.6	13.0

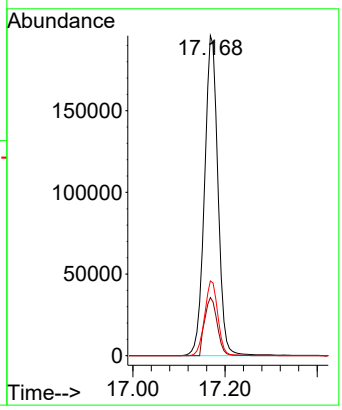




#91
Dibenzo(a,h)anthracene
Concen: 20.534 ng
RT: 17.168 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:278 Resp: 39894

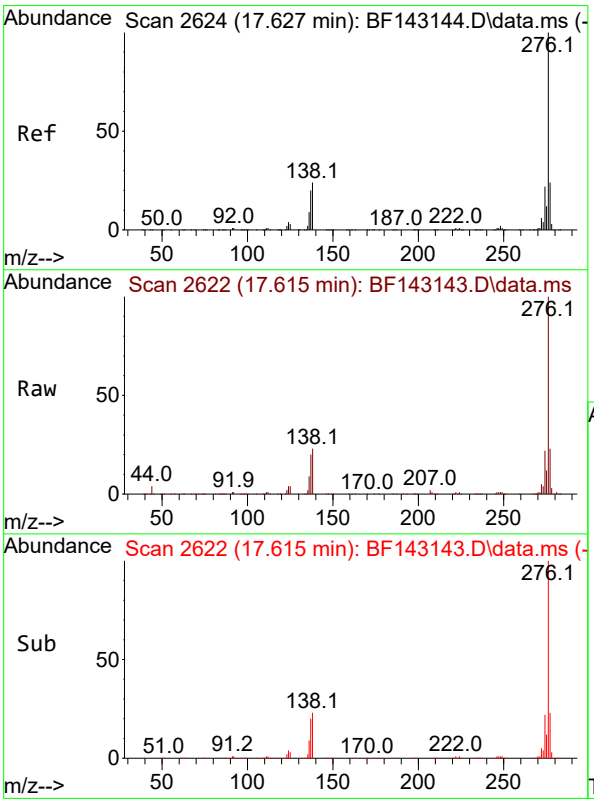
Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.1	21.1
279	23.4	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

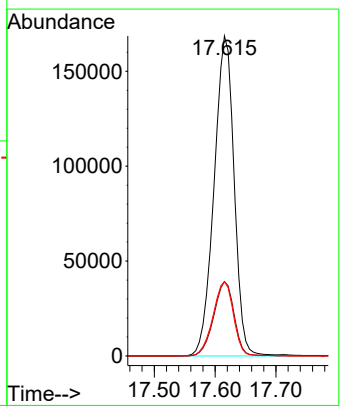
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:276 Resp: 385915

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	23.3	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	167098	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	641413	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	331881	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	542726	20.000	ng	0.00
76) Chrysene-d12	14.121	240	296414	20.000	ng	0.00
86) Perylene-d12	15.621	264	323574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	823062	77.946	ng	0.00
7) Phenol-d6	6.587	99	1038821	78.160	ng	0.00
23) Nitrobenzene-d5	7.522	82	1023138	79.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	279373	81.485	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1802398	74.274	ng	0.00
79) Terphenyl-d14	13.068	244	1554923	78.063	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.822	88	200396	40.108	ng	100
3) Pyridine	3.587	79	511417	39.435	ng	100
4) n-Nitrosodimethylamine	3.534	42	270676	40.426	ng	100
6) Aniline	6.622	93	736668	39.770	ng	100
8) 2-Chlorophenol	6.745	128	437914	39.565	ng	100
9) Benzaldehyde	6.516	77	482238	48.387	ng	100
10) Phenol	6.598	94	571741m	39.487	ng	
11) bis(2-Chloroethyl)ether	6.692	93	435450	39.279	ng	100
12) 1,3-Dichlorobenzene	6.904	146	468194	38.939	ng	100
13) 1,4-Dichlorobenzene	6.981	146	474015	39.147	ng	100
14) 1,2-Dichlorobenzene	7.134	146	448808	38.970	ng	100
15) Benzyl Alcohol	7.098	79	406107	40.017	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	808980	39.337	ng	100
17) 2-Methylphenol	7.204	107	366495	39.381	ng	100
18) Hexachloroethane	7.481	117	165263	39.425	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	329619	38.656	ng	100
20) 3+4-Methylphenols	7.357	107	448100	39.685	ng	100
22) Acetophenone	7.369	105	583796	38.444	ng	100
24) Nitrobenzene	7.545	77	481500	40.136	ng	100
25) Isophorone	7.781	82	888017	39.093	ng	100
26) 2-Nitrophenol	7.857	139	220354	42.323	ng	100
27) 2,4-Dimethylphenol	7.886	122	416128	39.210	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	529258	38.860	ng	100
29) 2,4-Dichlorophenol	8.098	162	353866	39.537	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	376590	38.947	ng	100
31) Naphthalene	8.269	128	1224033	38.749	ng	100
32) Benzoic acid	7.992	122	230958m	39.680	ng	
33) 4-Chloroaniline	8.310	127	500402	38.796	ng	100
34) Hexachlorobutadiene	8.386	225	231609	39.211	ng	100
35) Caprolactam	8.681	113	111733	41.312	ng	100
36) 4-Chloro-3-methylphenol	8.781	107	385507	39.628	ng	100
37) 2-Methylnaphthalene	8.957	142	744295	38.720	ng	100
38) 1-Methylnaphthalene	9.057	142	768508	38.825	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	365234	38.118	ng	100
41) Hexachlorocyclopentadiene	9.116	237	247480	39.695	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	255115	38.471	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	268615	40.494	ng	100
46) 1,1'-Biphenyl	9.422	154	988537	38.177	ng	100
47) 2-Chloronaphthalene	9.445	162	731879	38.200	ng	100
48) 2-Nitroaniline	9.533	65	249908	41.594	ng	100
49) Acenaphthylene	9.863	152	1234789	38.458	ng	100
50) Dimethylphthalate	9.716	163	848828	39.238	ng	100
51) 2,6-Dinitrotoluene	9.775	165	184242	41.866	ng	100
52) Acenaphthene	10.033	154	727386	38.330	ng	100
53) 3-Nitroaniline	9.945	138	210179	40.832	ng	100
54) 2,4-Dinitrophenol	10.045	184	69157	38.449	ng	100
55) Dibenzofuran	10.204	168	1083678	38.462	ng	100
56) 4-Nitrophenol	10.086	139	163009	42.408	ng	100
57) 2,4-Dinitrotoluene	10.175	165	235101	42.581	ng	100
58) Fluorene	10.551	166	804336	38.037	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	220872	40.196	ng	100
60) Diethylphthalate	10.416	149	842184	39.387	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	406477	38.604	ng	100
62) 4-Nitroaniline	10.557	138	185530	42.055	ng	100
63) Azobenzene	10.698	77	876387	39.326	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	105533	38.322	ng	100
66) n-Nitrosodiphenylamine	10.657	169	731532	38.278	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	247764	38.307	ng	100
68) Hexachlorobenzene	11.098	284	259758	38.424	ng	100
69) Atrazine	11.174	200	212970	40.421	ng	100
70) Pentachlorophenol	11.286	266	161013	40.500	ng	100
71) Phenanthrene	11.510	178	1107412	38.429	ng	100
72) Anthracene	11.563	178	1126710	38.336	ng	100
73) Carbazole	11.710	167	1008669	39.304	ng	100
74) Di-n-butylphthalate	12.039	149	1165443	40.135	ng	100
75) Fluoranthene	12.698	202	1034509	39.111	ng	100
77) Benzidine	12.810	184	564732	49.451	ng	100
78) Pyrene	12.927	202	1016822	40.195	ng	100
80) Butylbenzylphthalate	13.539	149	322273	41.603	ng	100
81) Benzo(a)anthracene	14.110	228	759726	38.283	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	254099	38.418	ng	100
83) Chrysene	14.151	228	715222	40.085	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	467892	39.906	ng	100
85) Di-n-octyl phthalate	14.715	149	820264	38.595	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	914626	40.086	ng	100
88) Benzo(b)fluoranthene	15.180	252	742346	37.554	ng	100
89) Benzo(k)fluoranthene	15.210	252	733635	41.591	ng	100
90) Benzo(a)pyrene	15.562	252	725344	39.826	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	742180	39.964	ng	100
92) Benzo(g,h,i)perylene	17.627	276	717648	39.949	ng	100

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

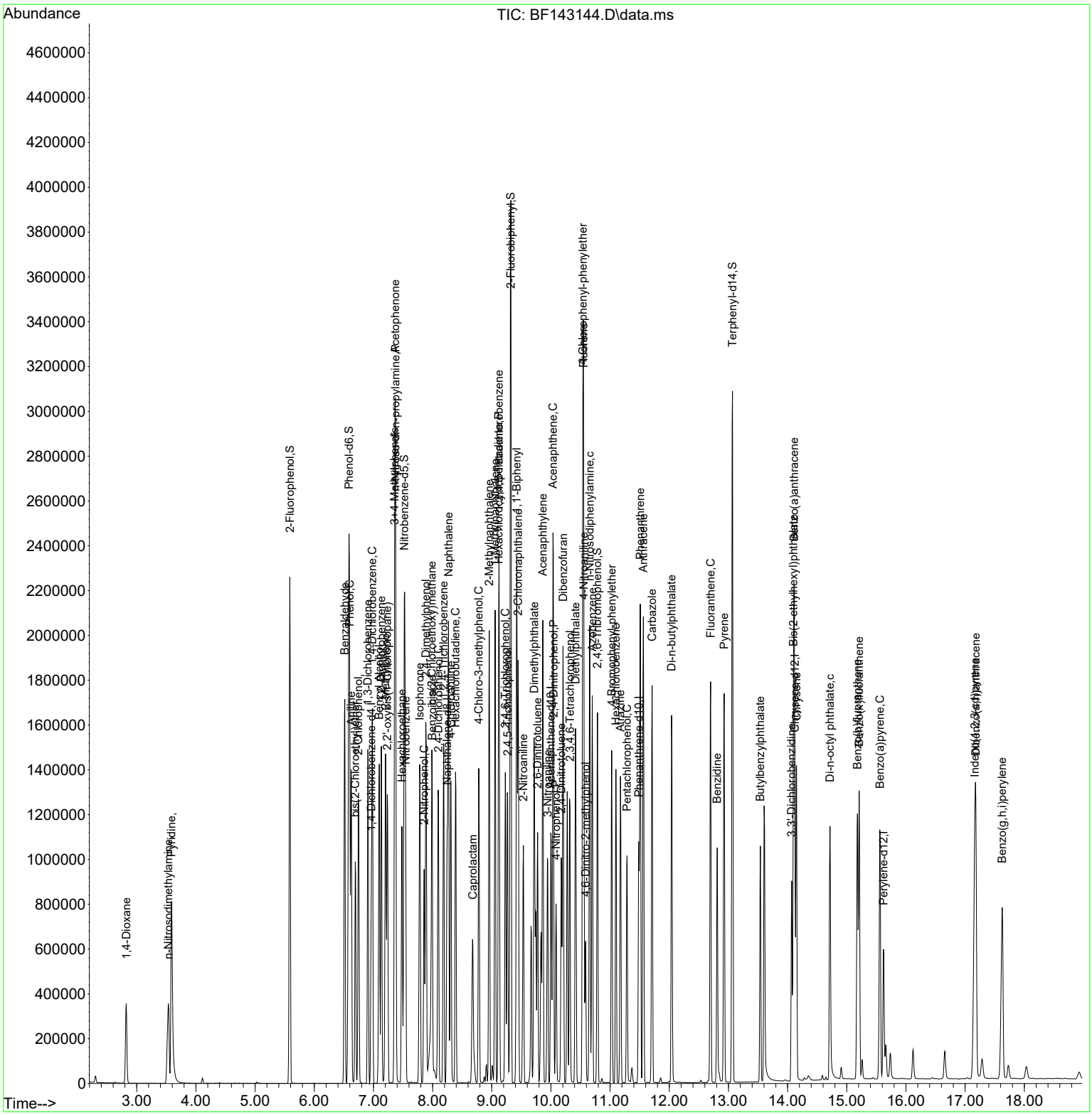
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

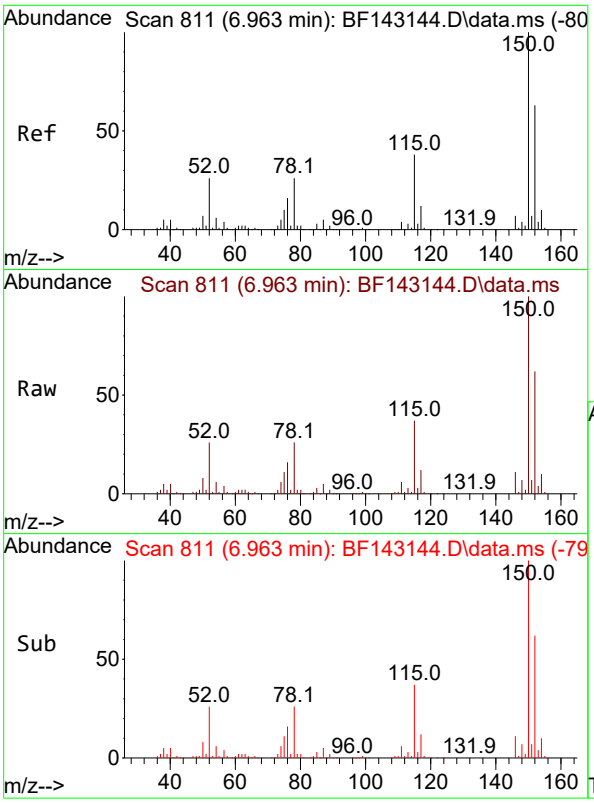
Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

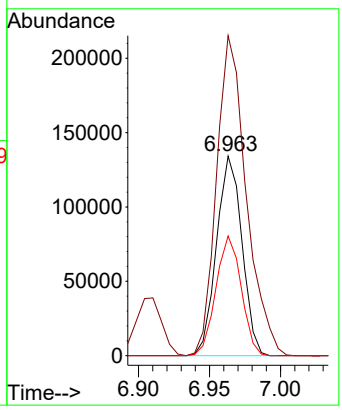




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:152 Resp: 16709

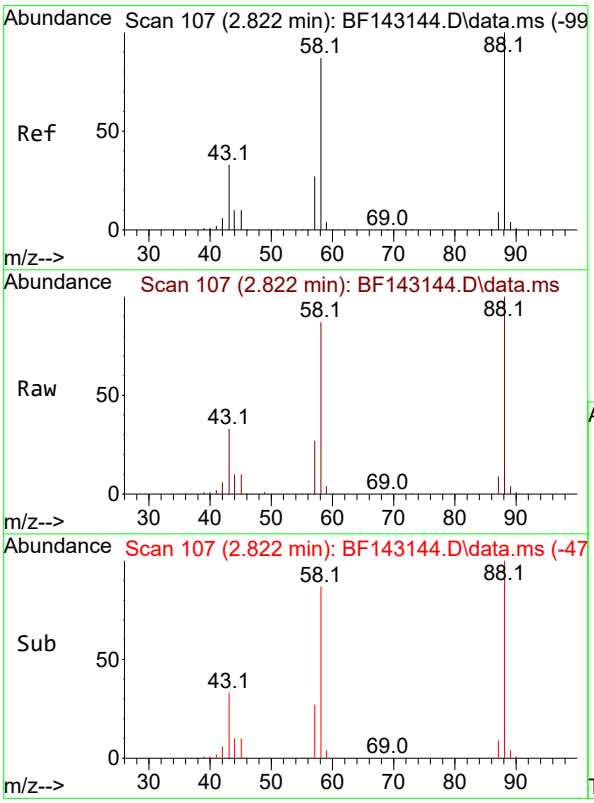
Ion	Ratio	Lower	Upper
152	100		
150	160.3	128.2	192.4
115	59.9	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

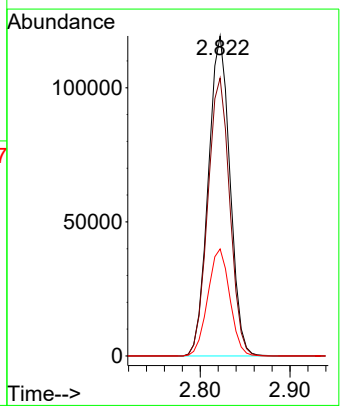
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

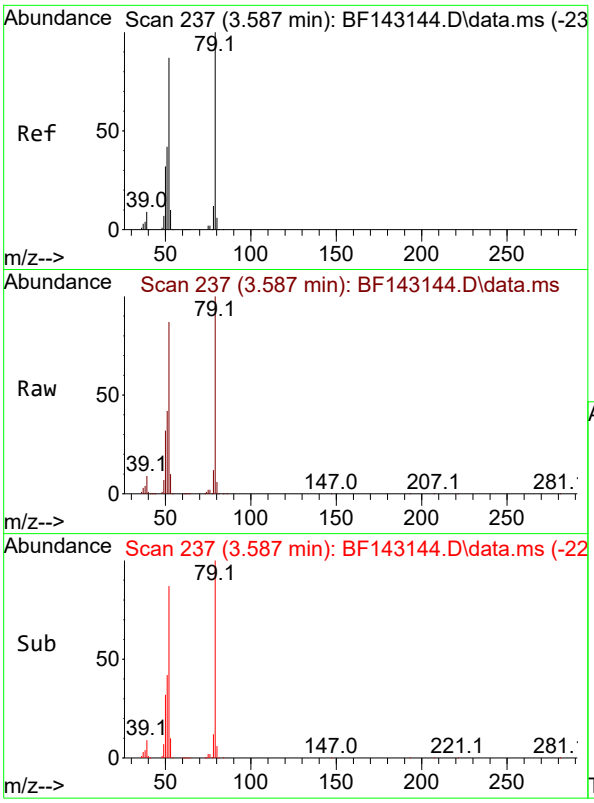


#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 88 Resp: 200396

Ion	Ratio	Lower	Upper
88	100		
58	87.7	70.2	105.2
43	33.9	27.1	40.7

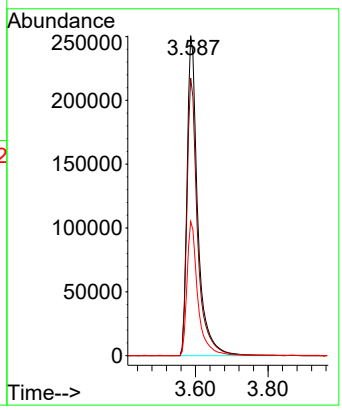




#3
Pyridine
Concen: 39.435 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 79 Resp: 51141

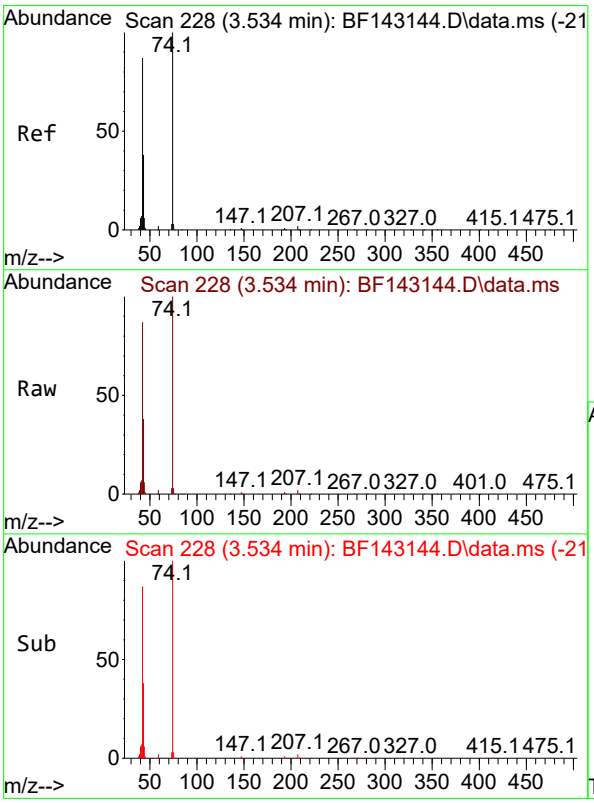
Ion	Ratio	Lower	Upper
79	100		
52	86.8	69.4	104.2
51	41.9	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

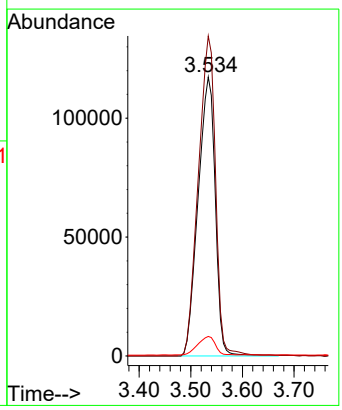
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

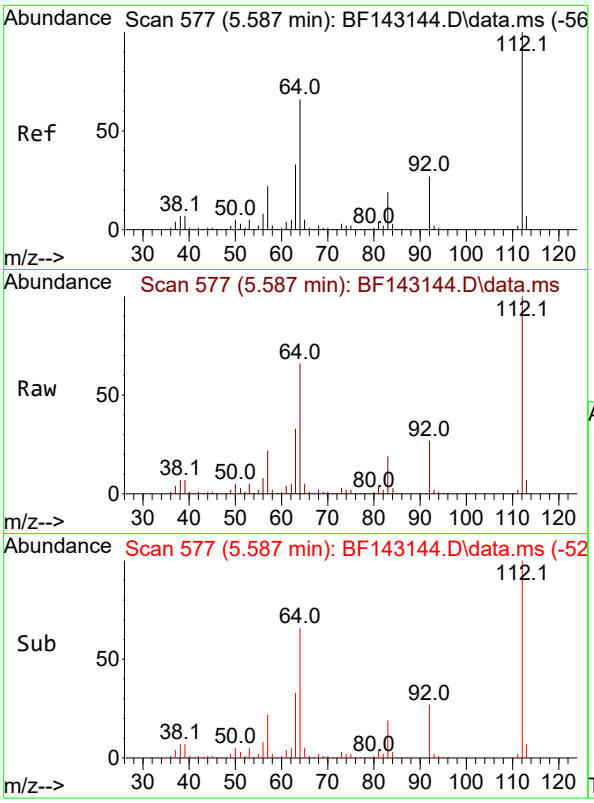


#4
n-Nitrosodimethylamine
Concen: 40.426 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 42 Resp: 270676

Ion	Ratio	Lower	Upper
42	100		
74	114.6	91.7	137.5
44	7.0	5.6	8.4

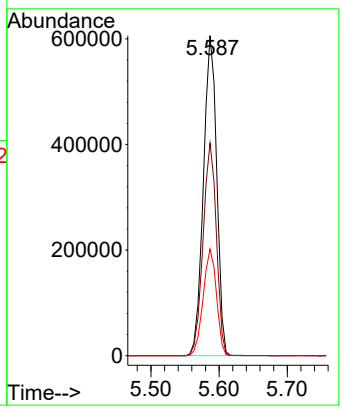




#5
2-Fluorophenol
Concen: 77.946 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:112 Resp: 82306

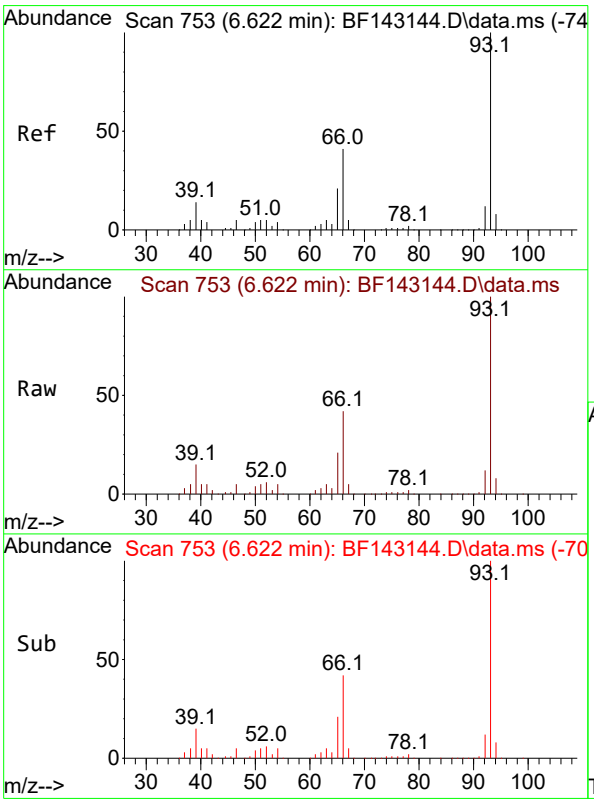
Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.1	79.7
63	33.3	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

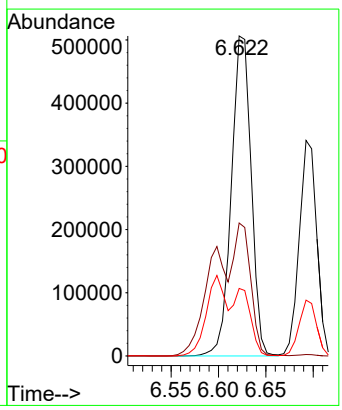
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

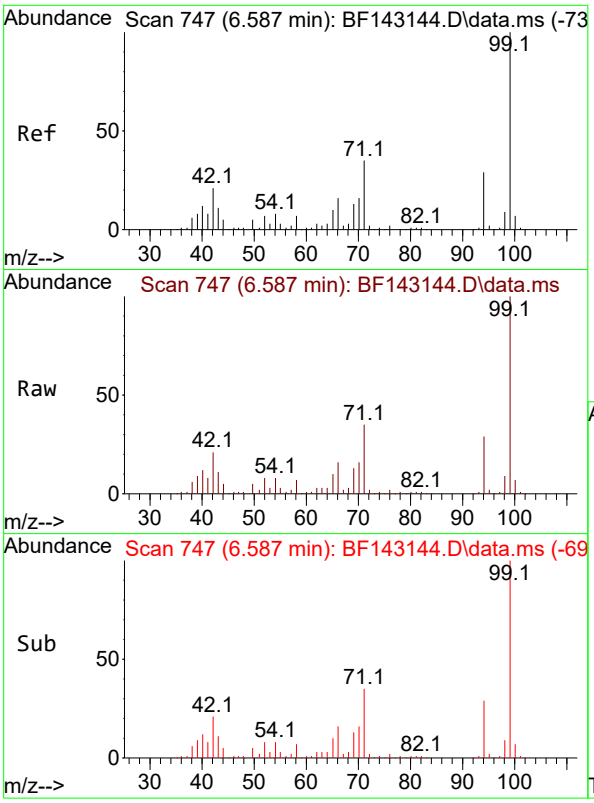


#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 736668

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.2	49.8
65	21.1	16.9	25.3

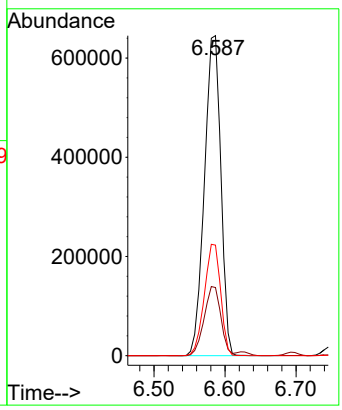




#7
Phenol-d6
Concen: 78.160 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 99 Resp: 103882

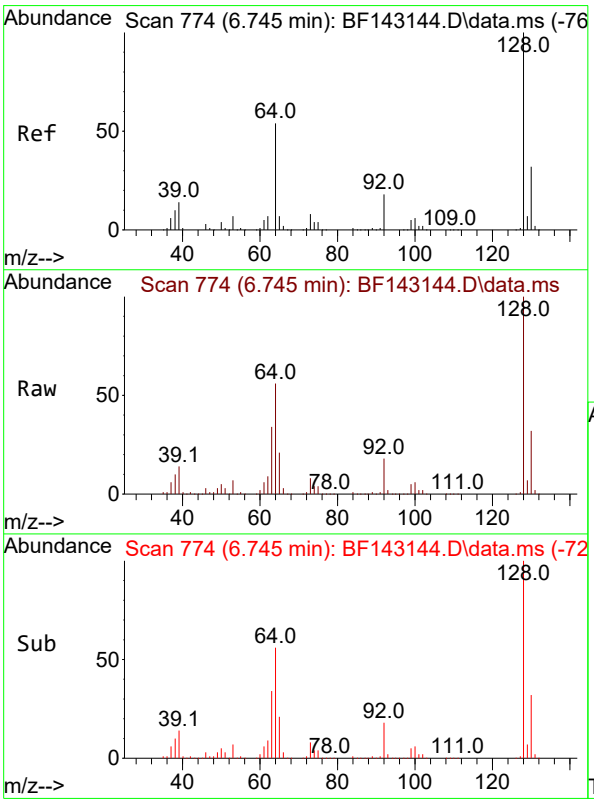
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.6	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

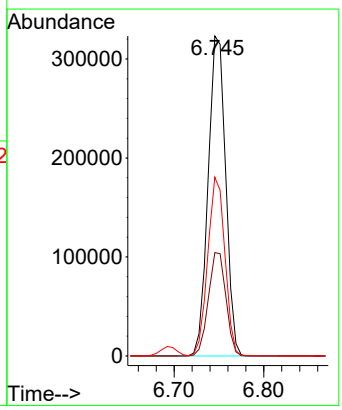
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

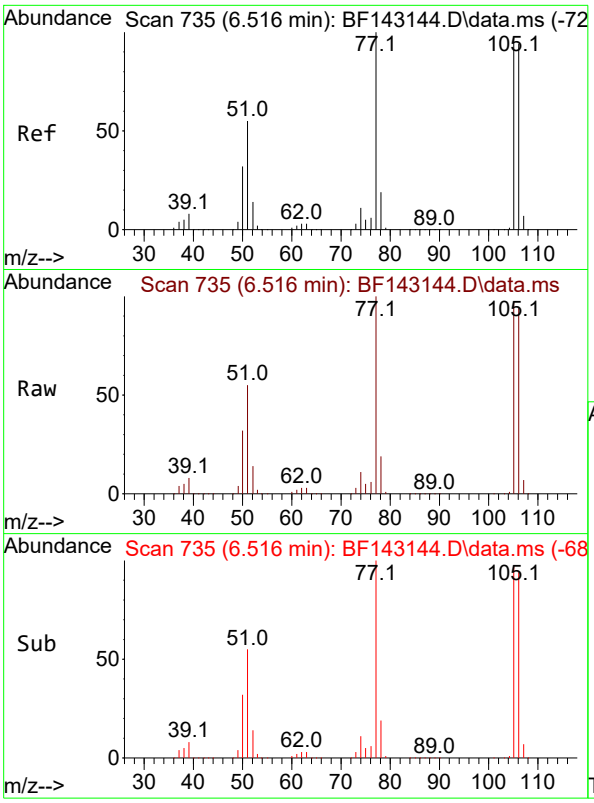


#8
2-Chlorophenol
Concen: 39.565 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:128 Resp: 437914

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	55.9	35.9	75.9

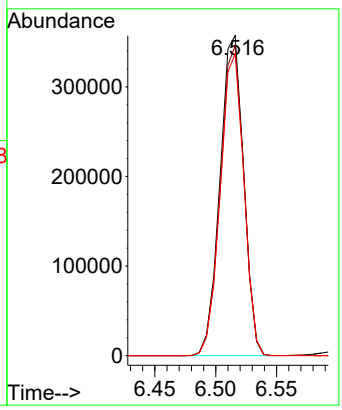




#9
Benzaldehyde
Concen: 48.387 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 77 Resp: 48223

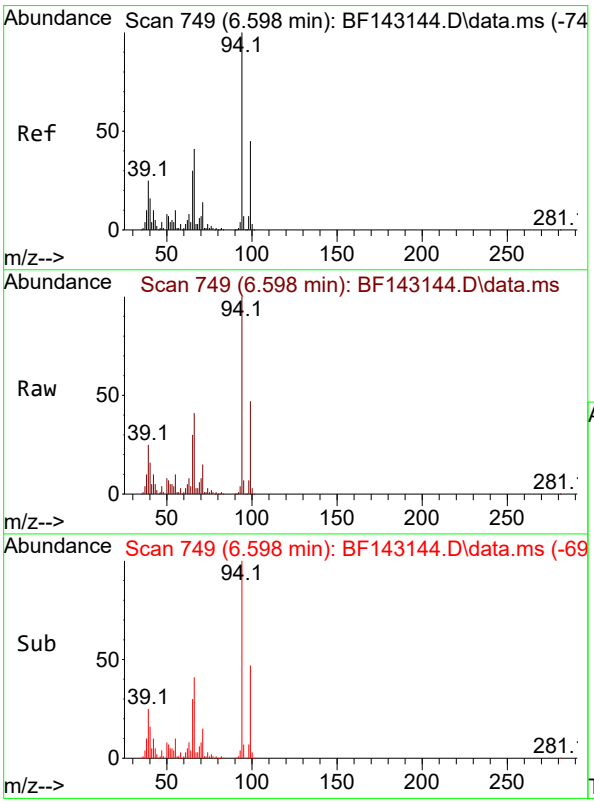
Ion	Ratio	Lower	Upper
77	100		
105	96.8	76.8	116.8
106	94.4	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

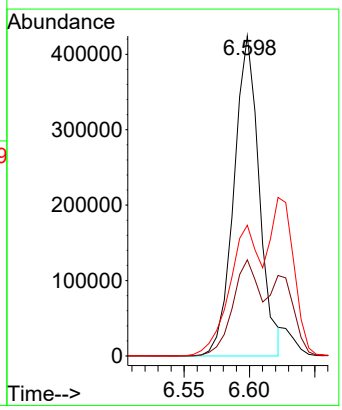
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

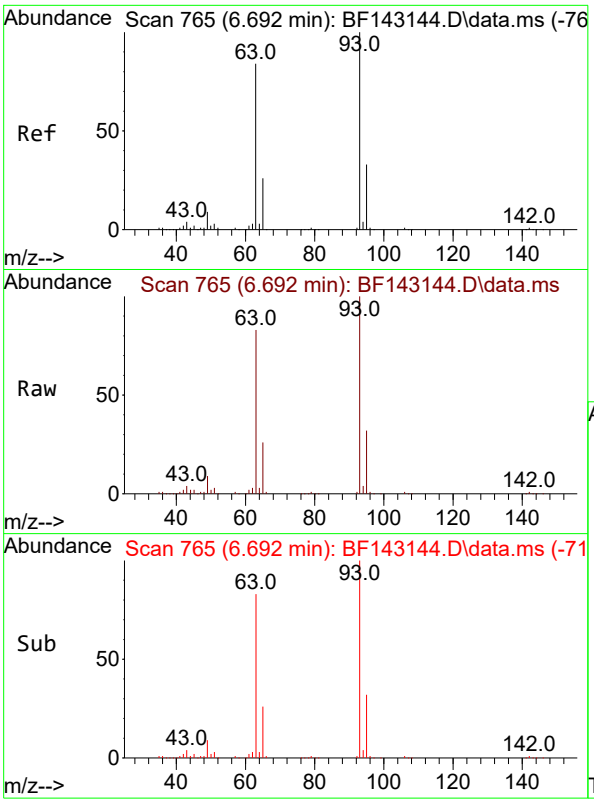


#10
Phenol
Concen: 39.487 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 94 Resp: 571741

Ion	Ratio	Lower	Upper
94	100		
65	30.0	10.0	50.0
66	40.8	20.8	60.8

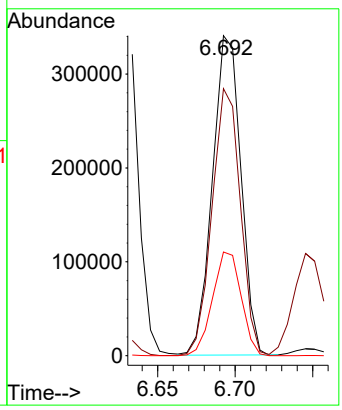




#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 43545

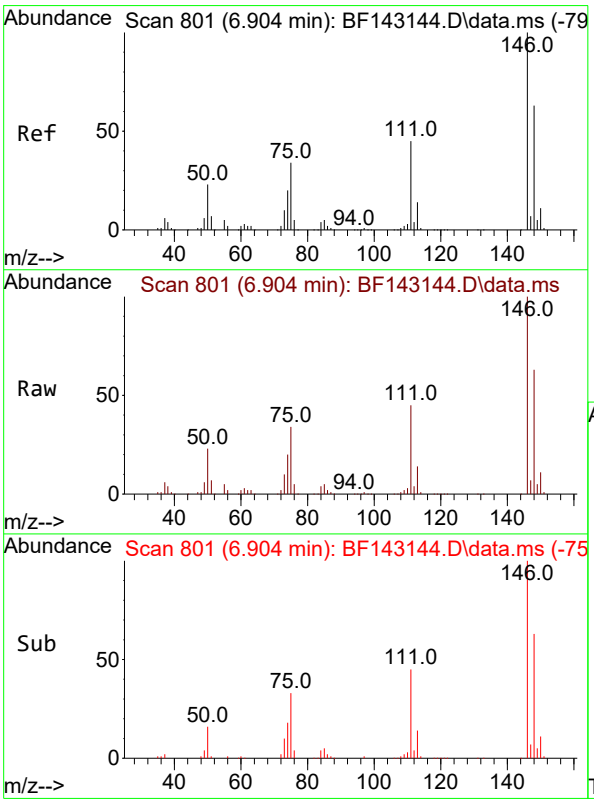
Ion	Ratio	Lower	Upper
93	100		
63	83.4	63.4	103.4
95	32.4	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

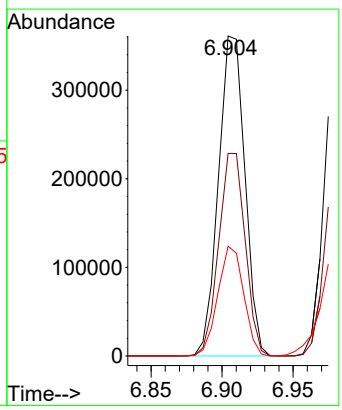
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

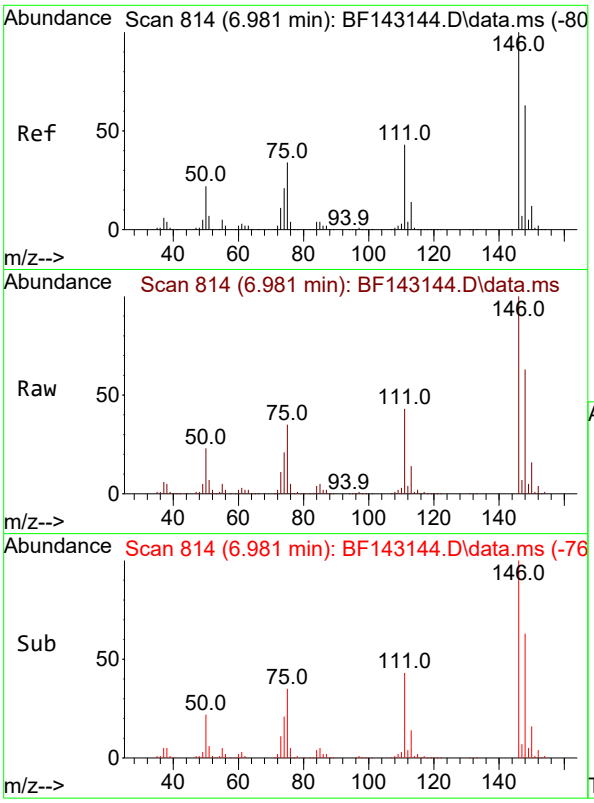


#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 468194

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
75	34.3	27.4	41.2

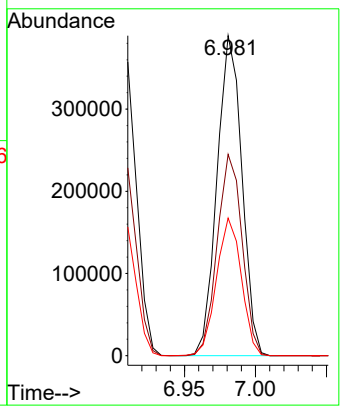




#13
1,4-Dichlorobenzene
Concen: 39.147 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 47401

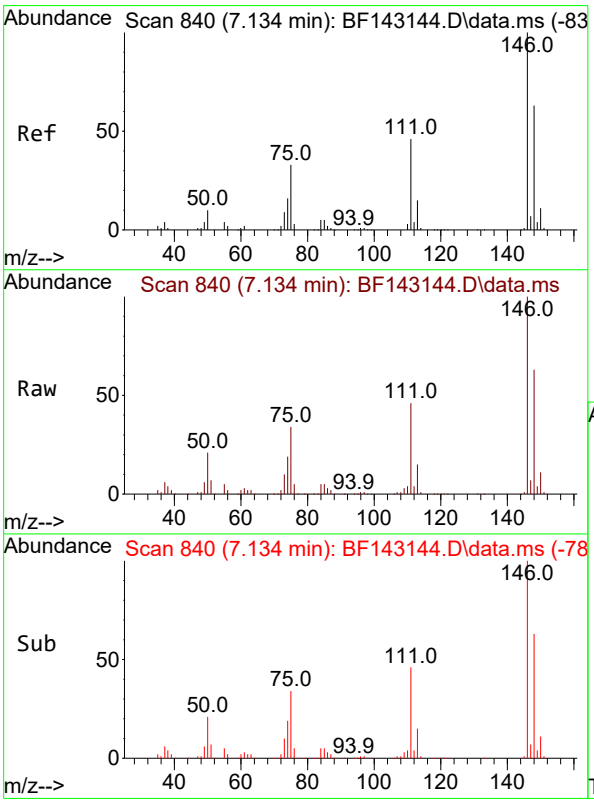
Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.0	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

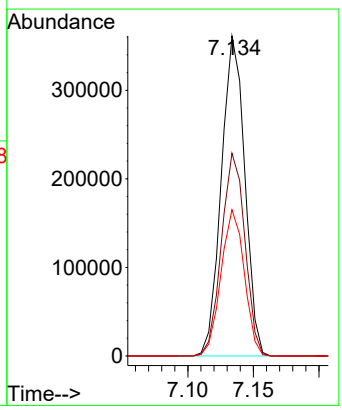
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

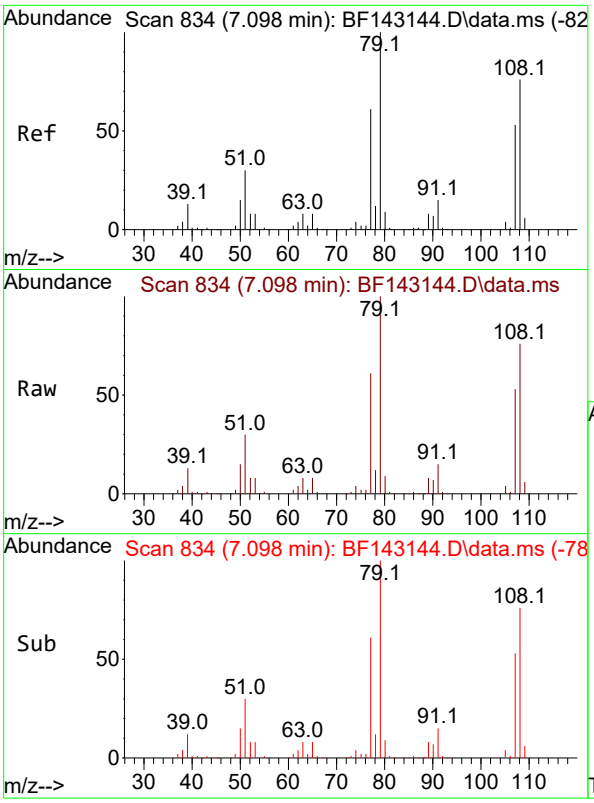


#14
1,2-Dichlorobenzene
Concen: 38.970 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 448808

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	45.7	36.6	54.8

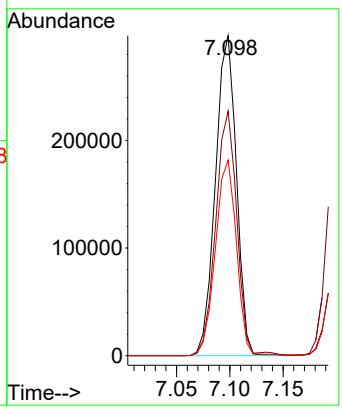




#15
Benzyl Alcohol
Concen: 40.017 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 79 Resp: 40610

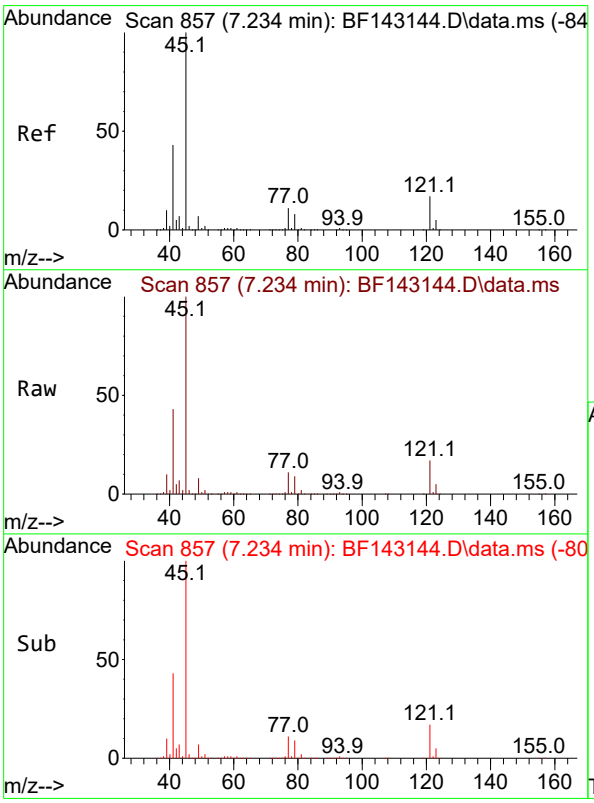
Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.1	91.7
77	61.1	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

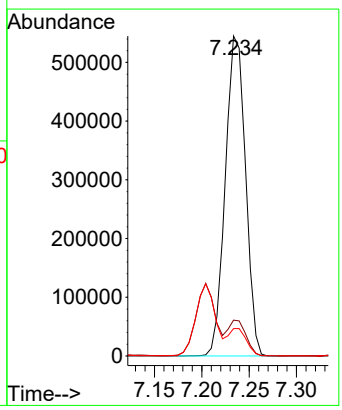
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

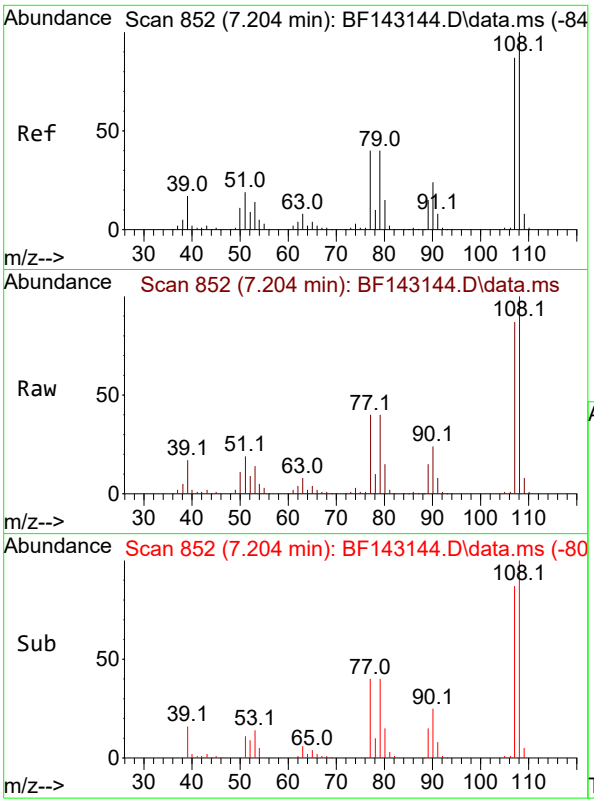


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.337 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 45 Resp: 808980

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.5	0.0	28.5

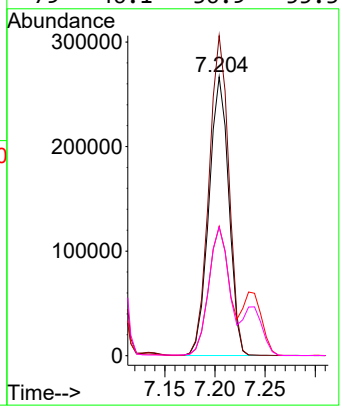




#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 36649

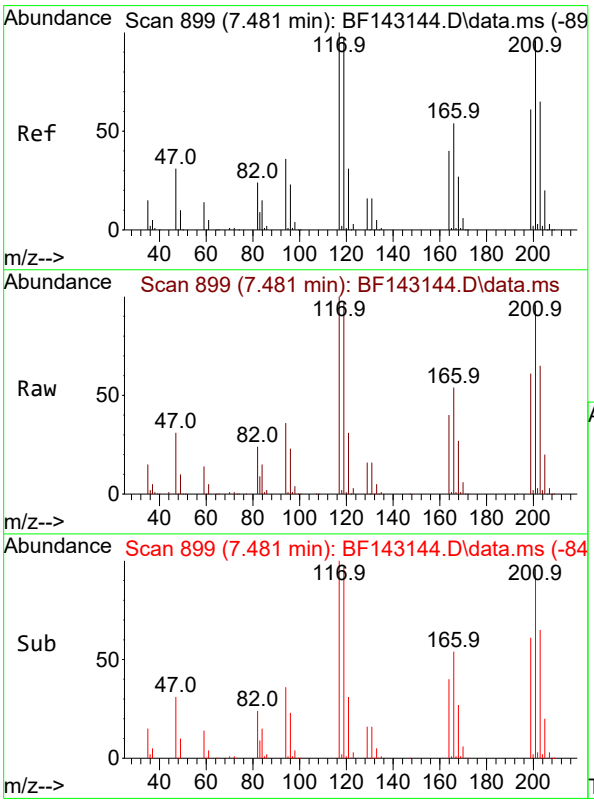
Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.8	137.6
77	46.3	37.0	55.6
79	46.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

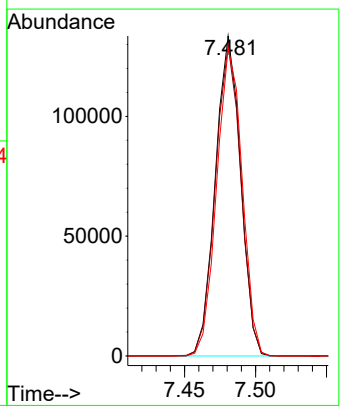
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

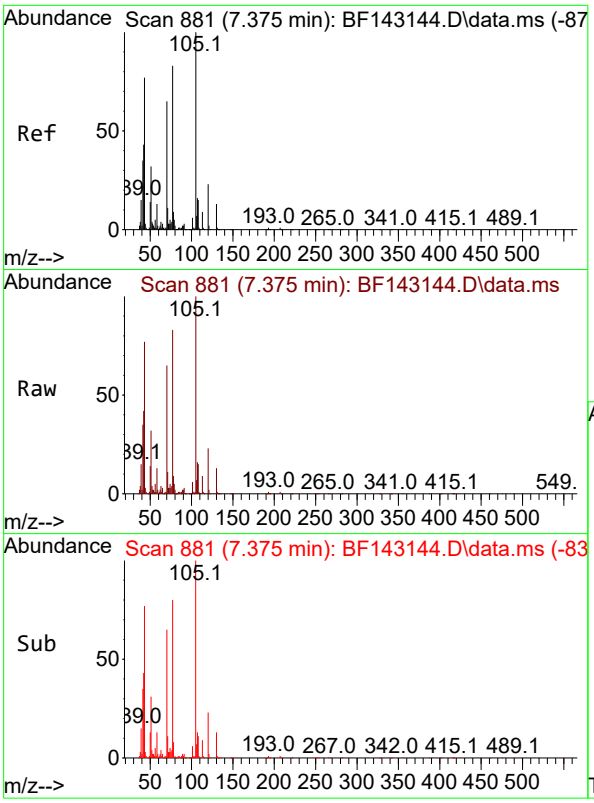


#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:117 Resp: 165263

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
201	96.2	77.0	115.4

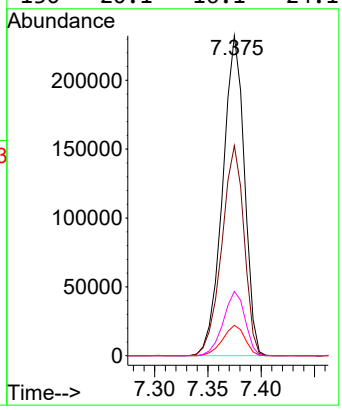




#19
n-Nitroso-di-n-propylamine
Concen: 38.656 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 70 Resp: 32961

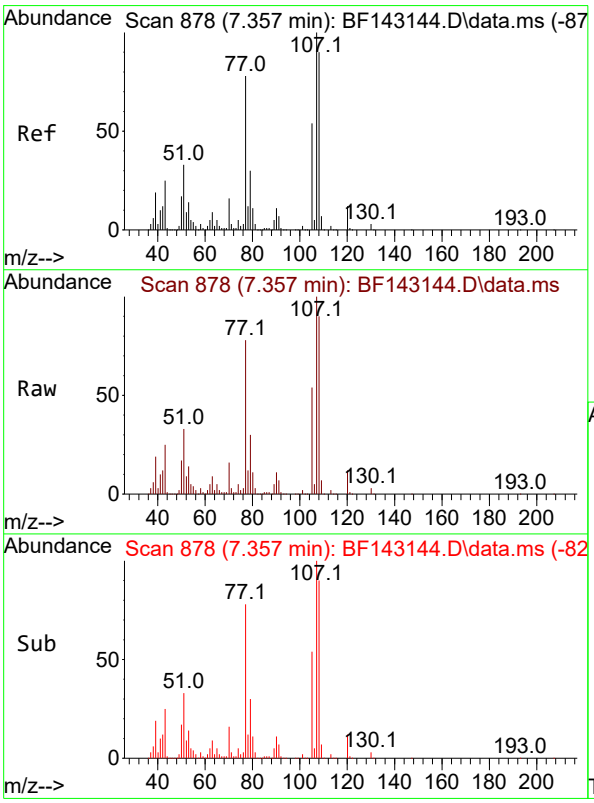
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.5	7.6	11.4
130	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

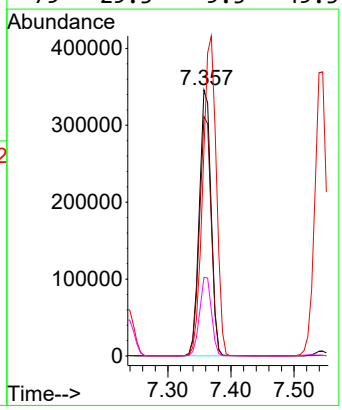
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

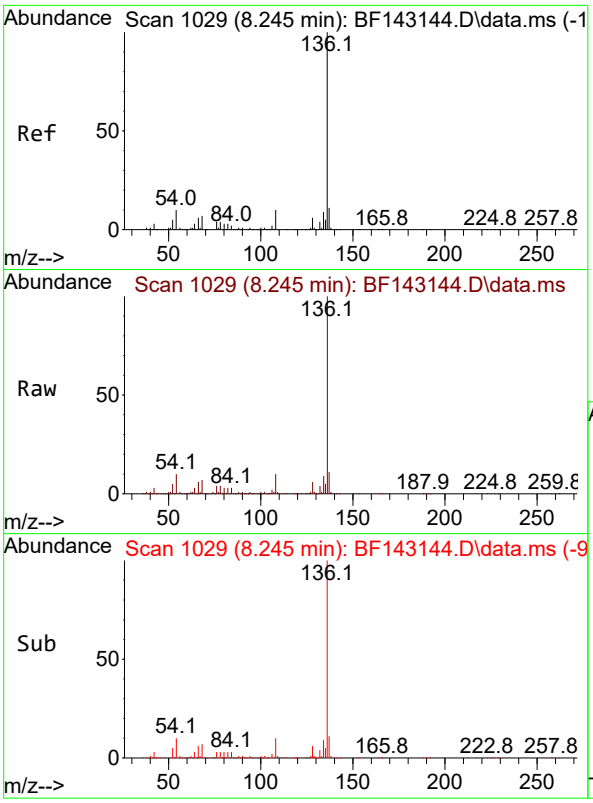


#20
3+4-Methylphenols
Concen: 39.685 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 448100

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.0	110.0
77	77.8	57.8	97.8
79	29.5	9.5	49.5

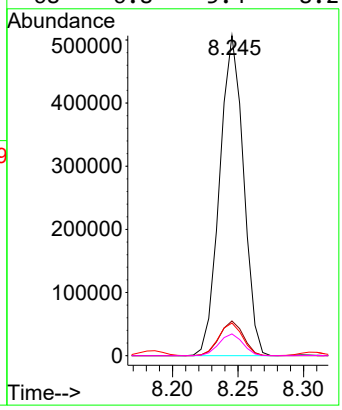




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:136 Resp: 64141

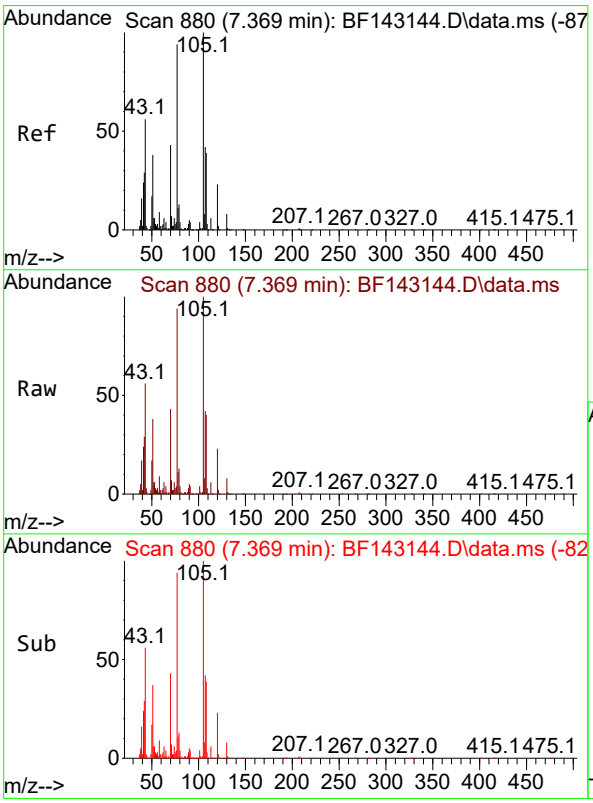
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.2	12.2
68	6.8	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

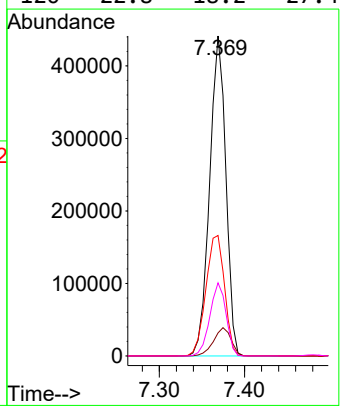
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

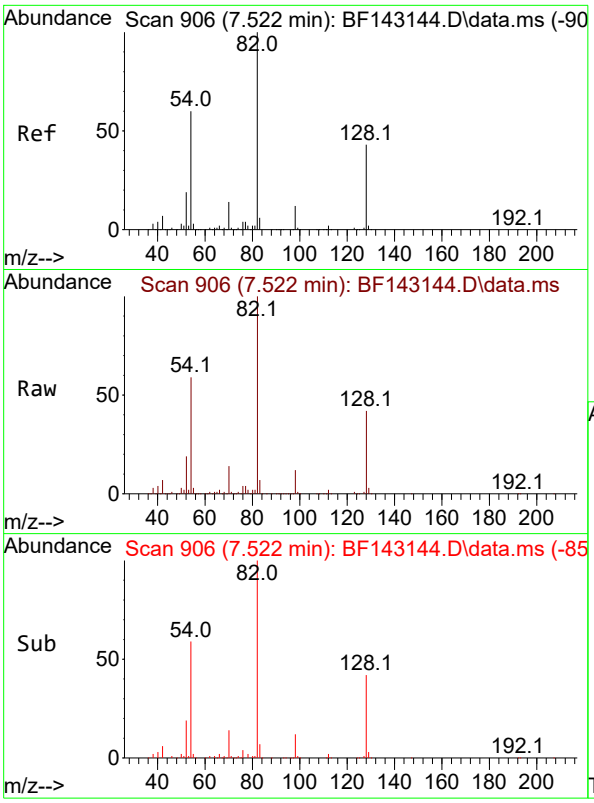


#22
Acetophenone
Concen: 38.444 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:105 Resp: 583796

Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.8	8.6
51	37.7	30.2	45.2
120	22.8	18.2	27.4

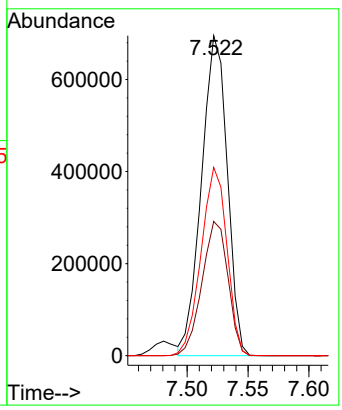




#23
Nitrobenzene-d5
Concen: 79.512 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 82 Resp: 102313

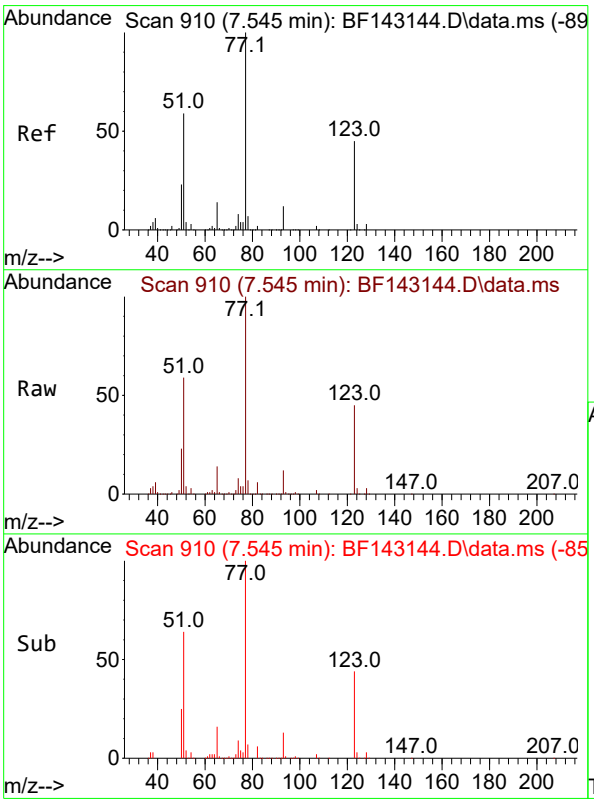
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	58.9	47.1	70.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

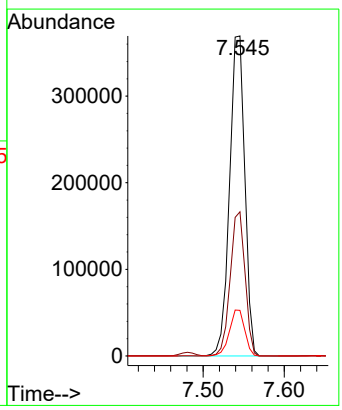
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

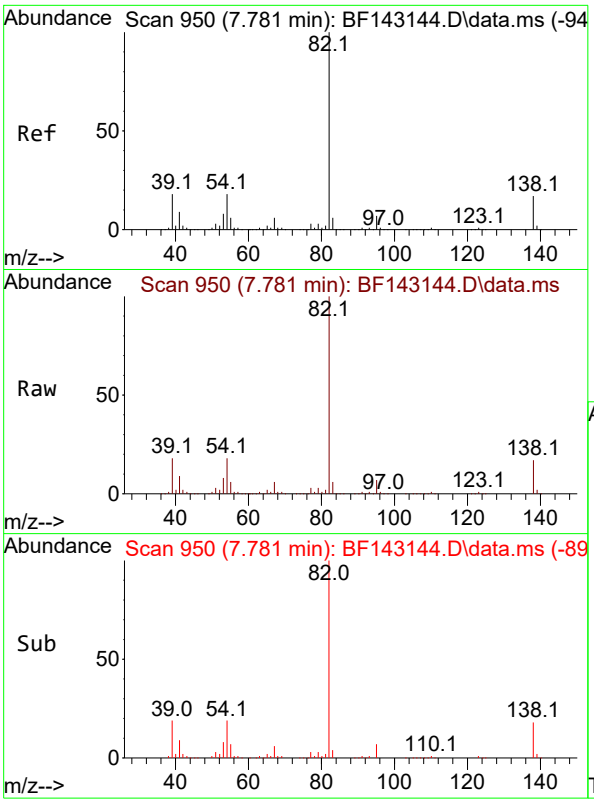


#24
Nitrobenzene
Concen: 40.136 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 77 Resp: 481500

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.1	54.1
65	14.3	11.4	17.2

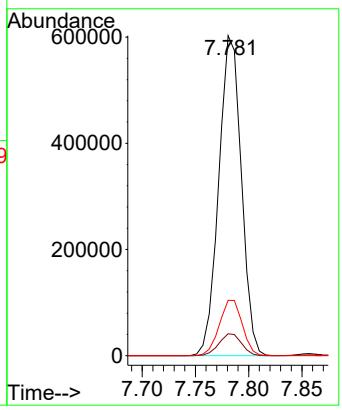




#25
Isophorone
Concen: 39.093 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 82 Resp: 88801

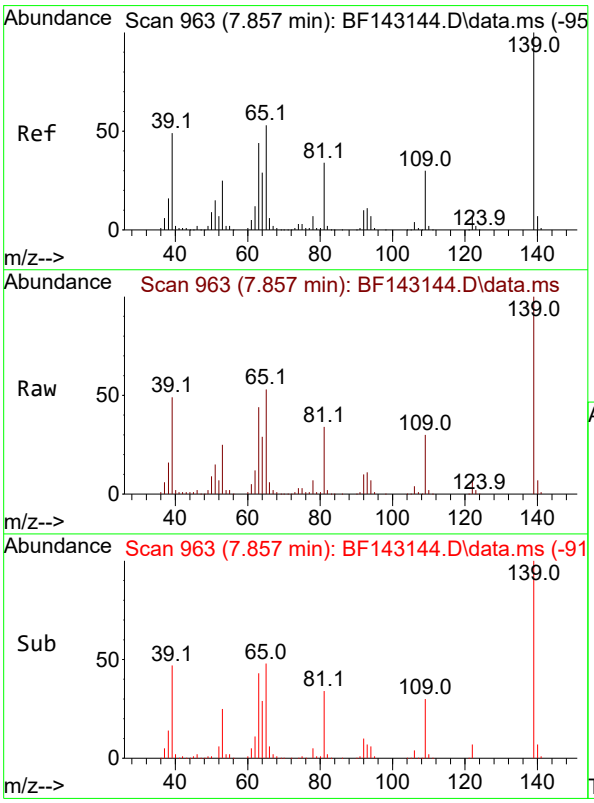
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.3	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

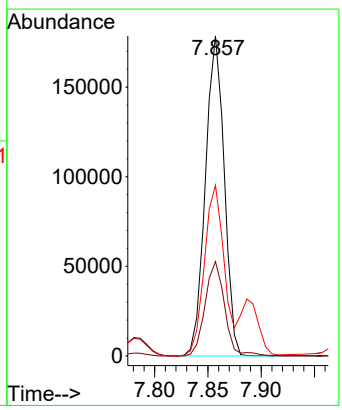
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

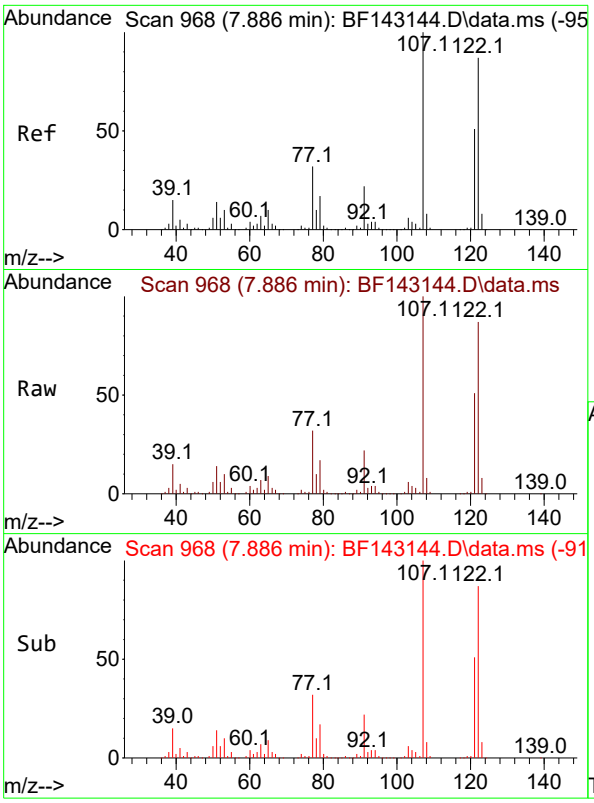


#26
2-Nitrophenol
Concen: 42.323 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:139 Resp: 220354

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.6	35.4
65	53.3	42.6	64.0

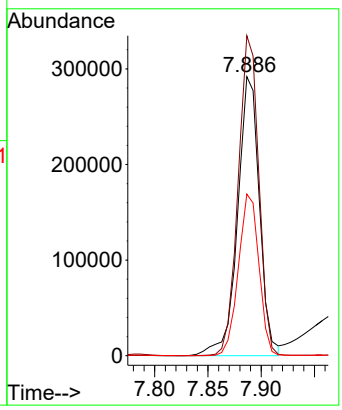




#27
2,4-Dimethylphenol
Concen: 39.210 ng
RT: 7.886 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:122 Resp: 41612

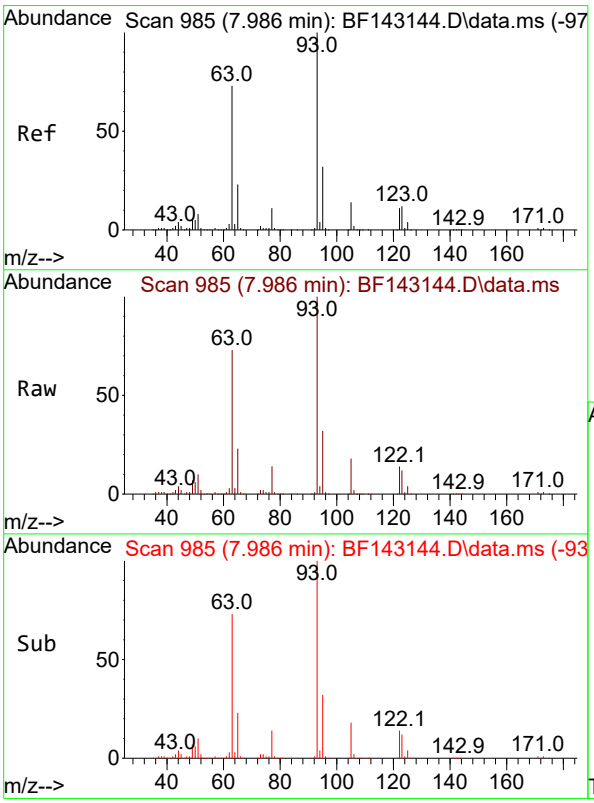
Ion	Ratio	Lower	Upper
122	100		
107	114.7	91.8	137.6
121	57.9	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

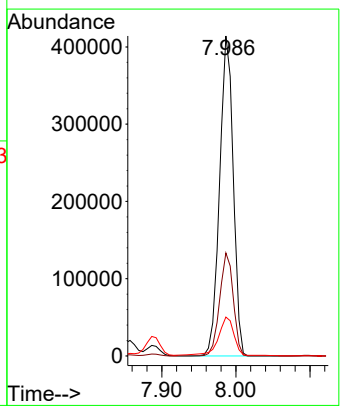
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

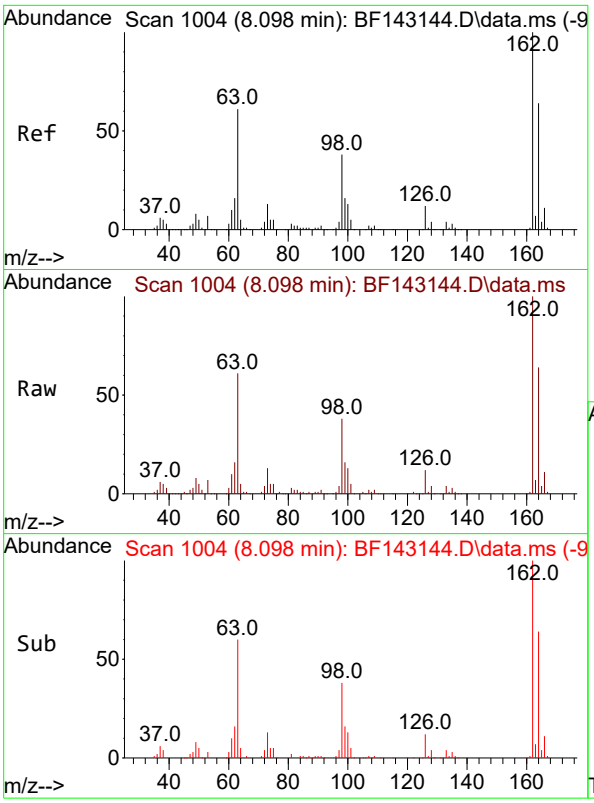


#28
bis(2-Chloroethoxy)methane
Concen: 38.860 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 529258

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.6
123	12.1	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 39.537 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

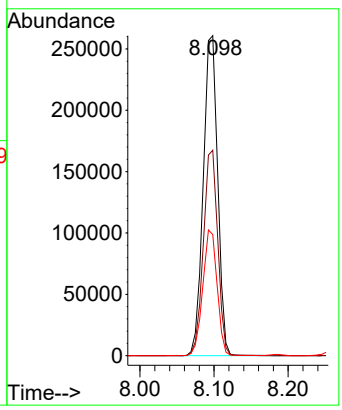
Tgt Ion:162 Resp: 35386

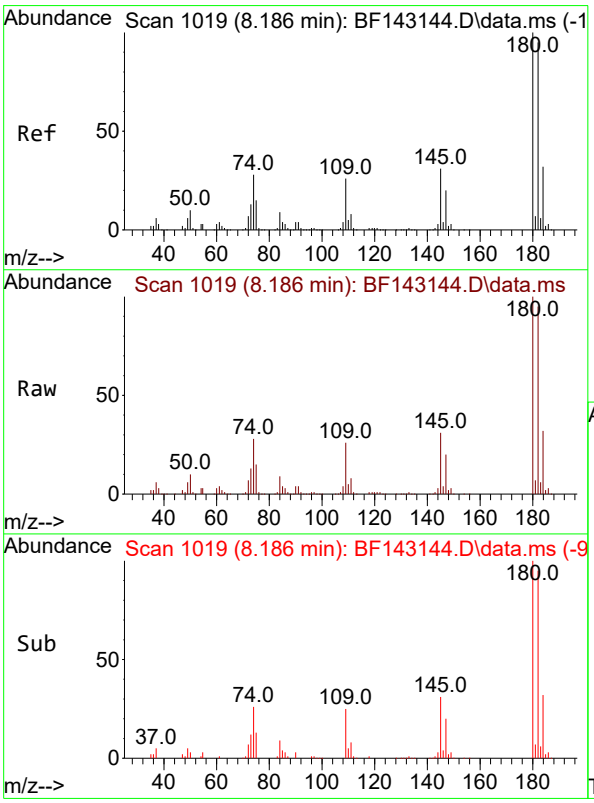
Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	37.9	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

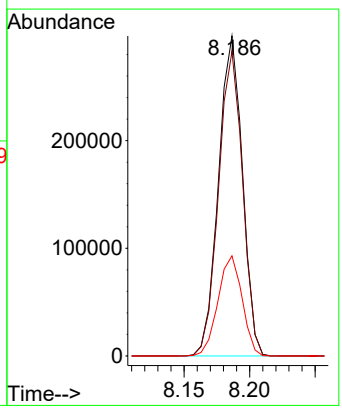


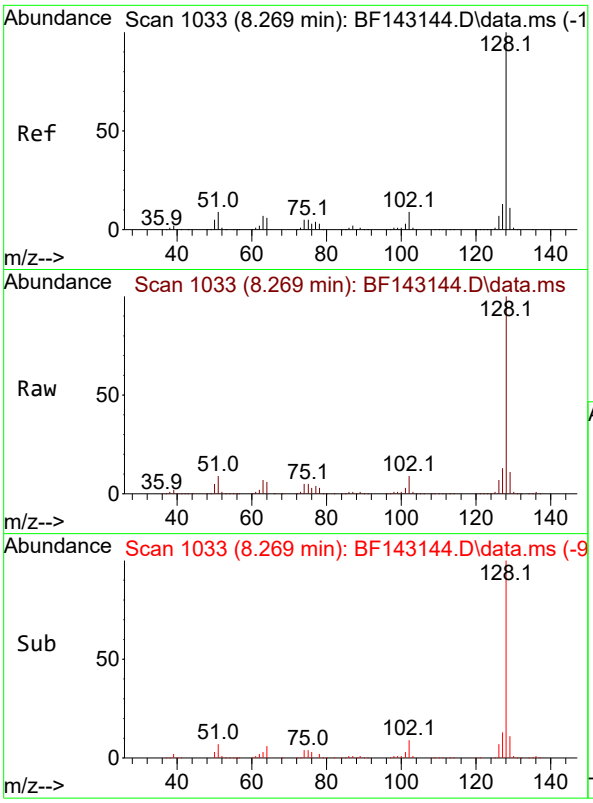


#30
1,2,4-Trichlorobenzene
Concen: 38.947 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:180 Resp: 376590

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	31.3	25.0	37.6

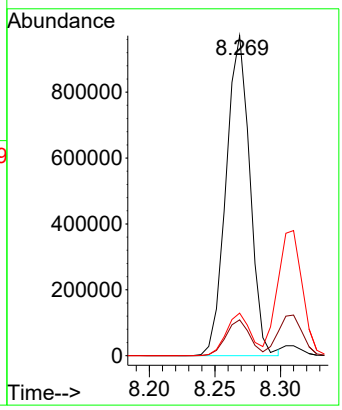




#31
Naphthalene
Concen: 38.749 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:128 Resp: 122403

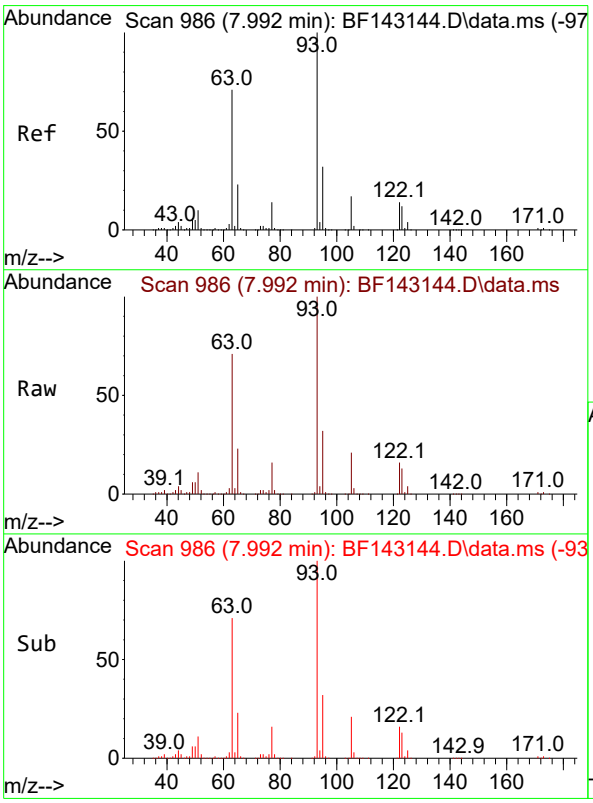
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

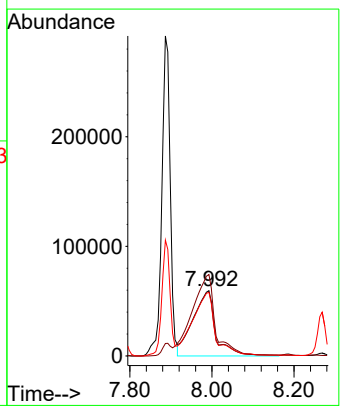
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

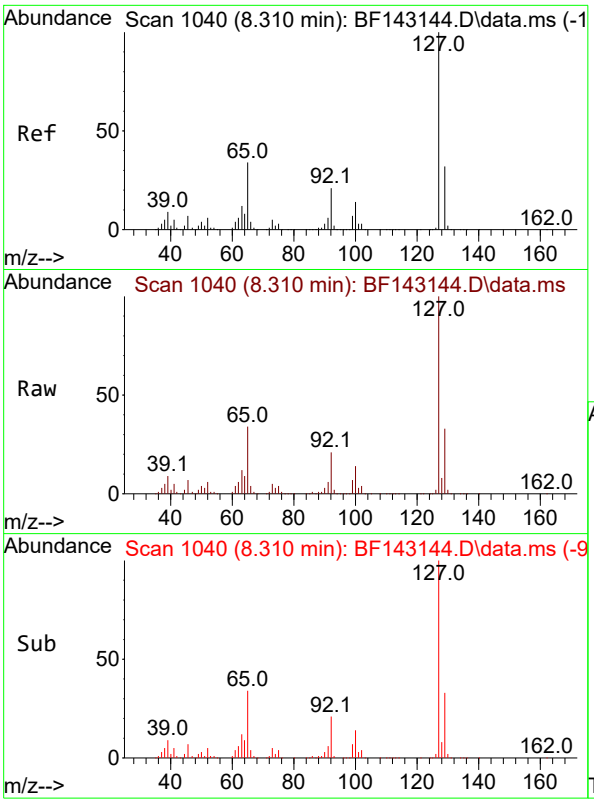


#32
Benzoic acid
Concen: 39.680 ng m
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:122 Resp: 230958

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	97.6	77.6	117.6

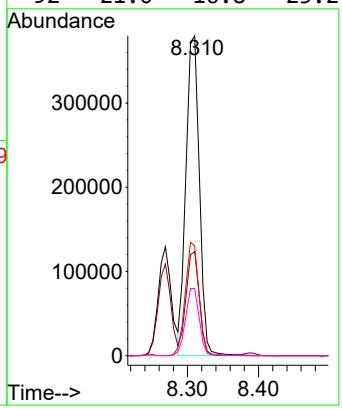




#33
4-Chloroaniline
Concen: 38.796 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:127 Resp: 50040

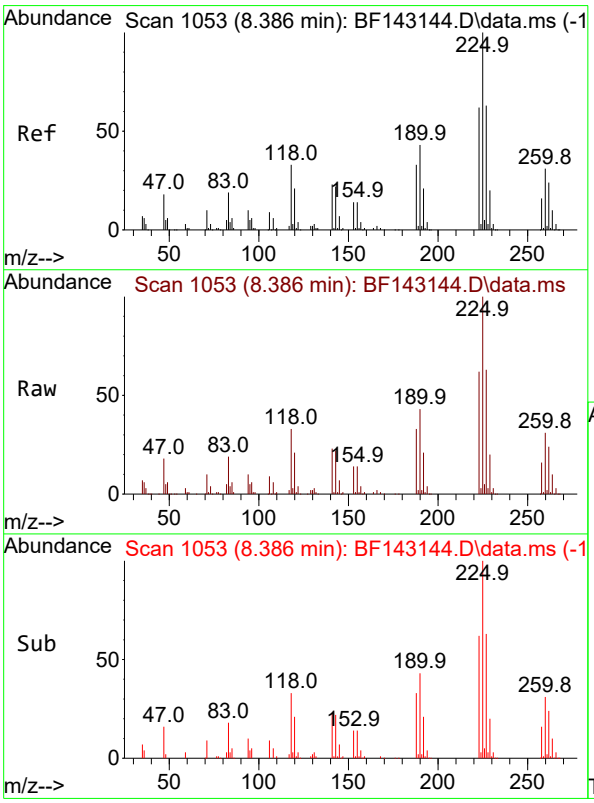
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	34.3	27.4	41.2
92	21.0	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

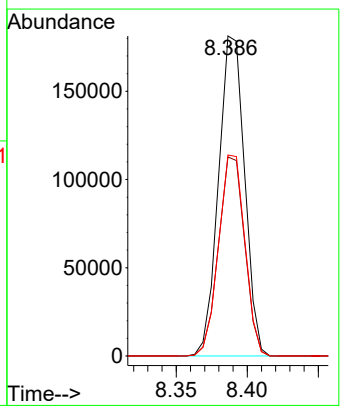
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

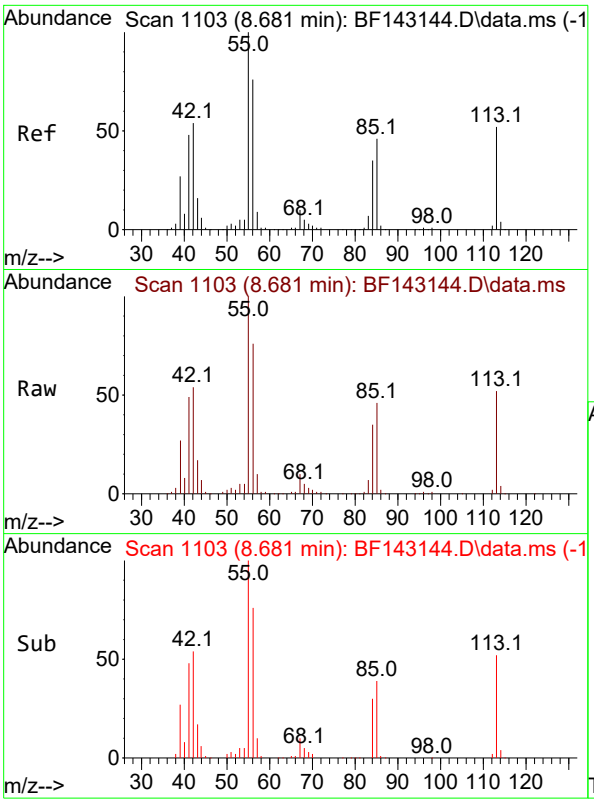


#34
Hexachlorobutadiene
Concen: 39.211 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:225 Resp: 231609

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	62.8	50.2	75.4





#35
Caprolactam
Concen: 41.312 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

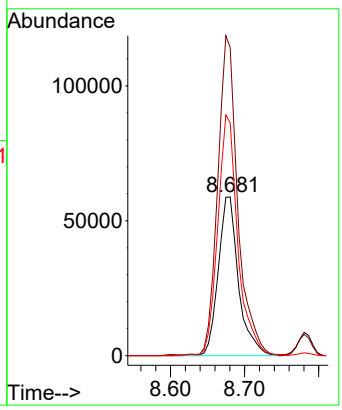
Tgt Ion:113 Resp: 11173

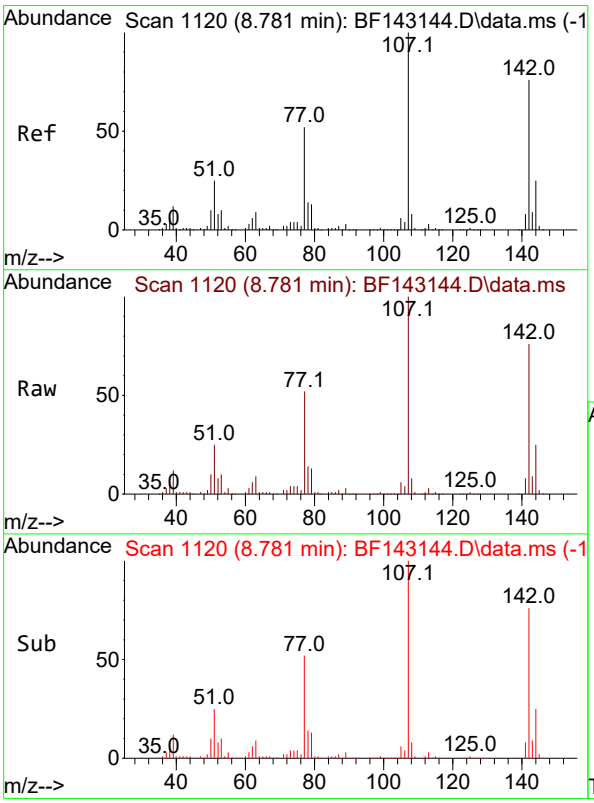
Ion	Ratio	Lower	Upper
113	100		
55	194.0	174.0	214.0
56	146.6	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

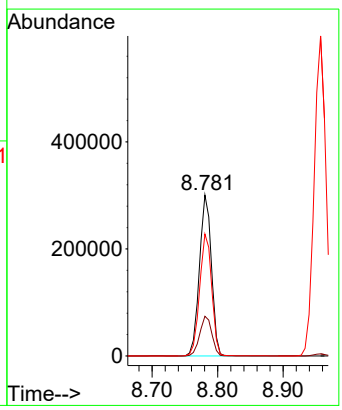


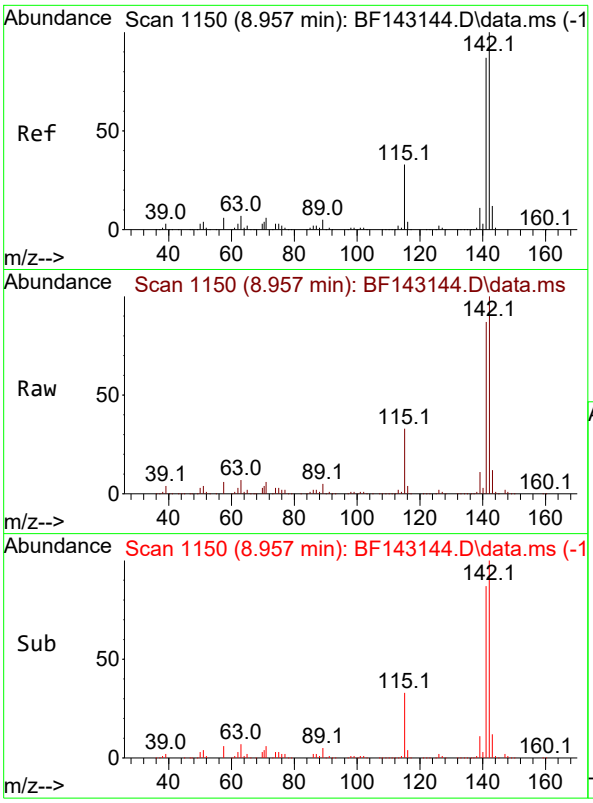


#36
4-Chloro-3-methylphenol
Concen: 39.628 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 385507

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.8	29.6
142	75.7	60.6	90.8





#37
2-Methylnaphthalene
Concen: 38.720 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

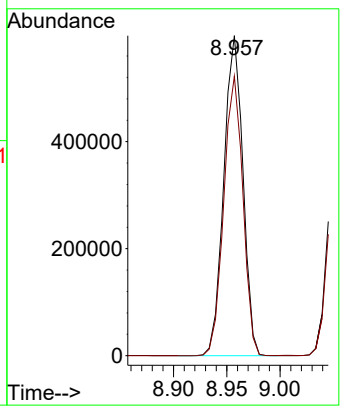
Tgt Ion:142 Resp: 74429

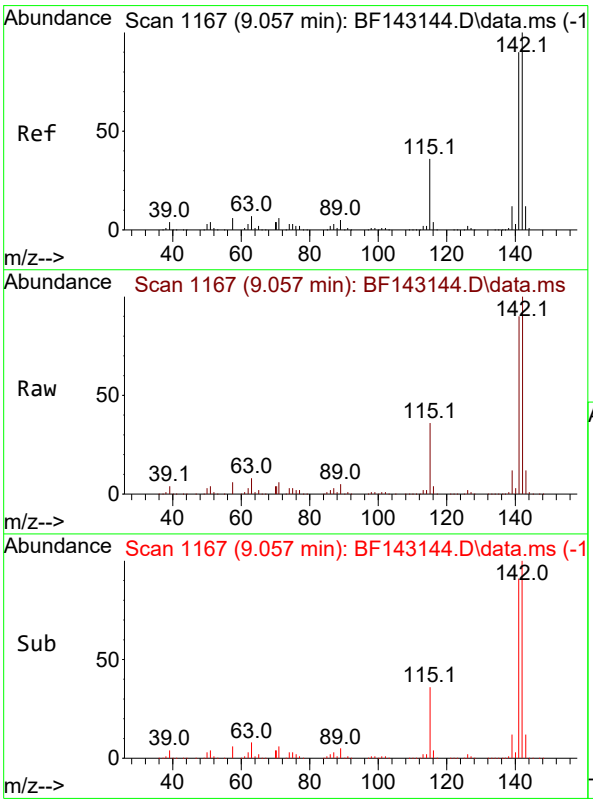
Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

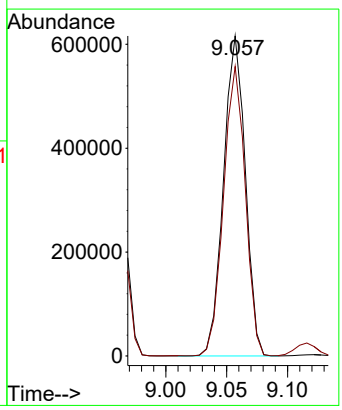


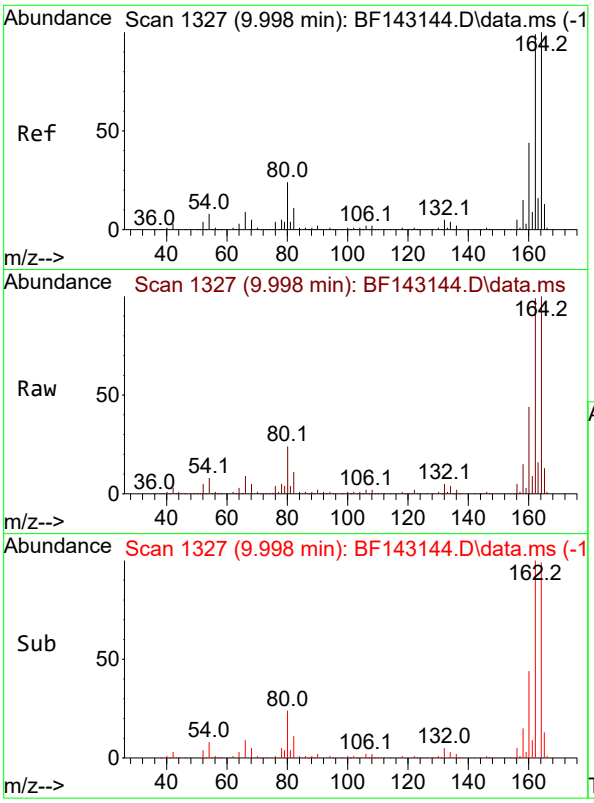


#38
1-Methylnaphthalene
Concen: 38.825 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:142 Resp: 768508

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5

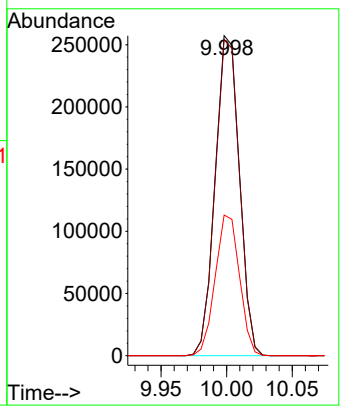




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:164 Resp: 33188

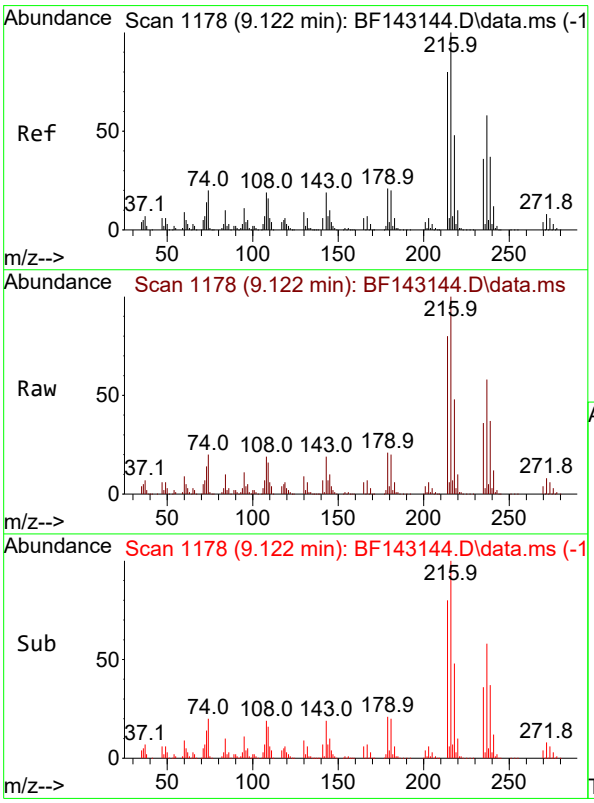
Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	43.9	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

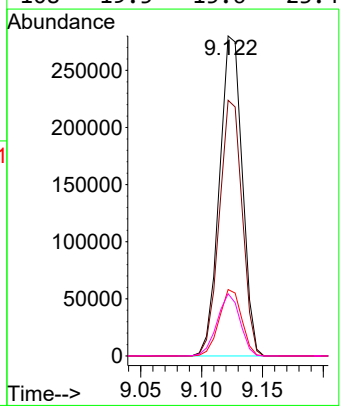
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

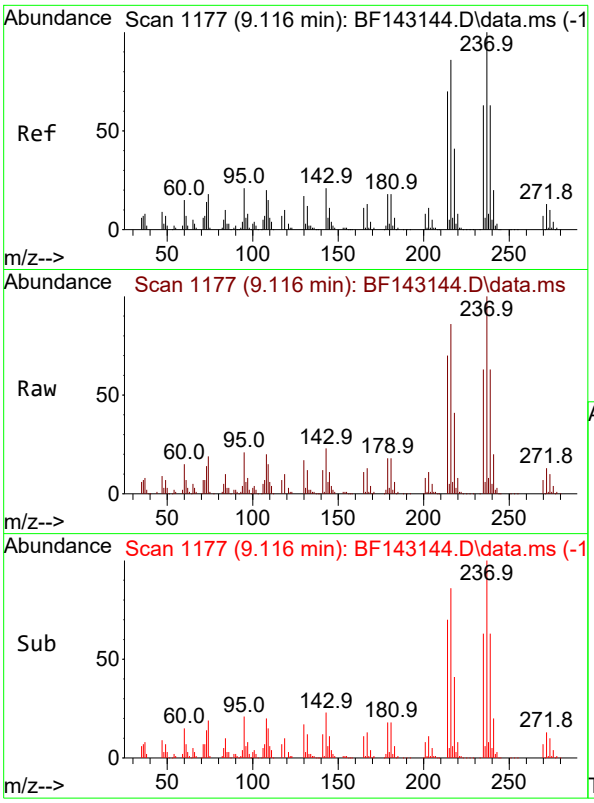


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.118 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:216 Resp: 365234

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.8	95.8
179	20.5	16.4	24.6
108	19.5	15.6	23.4

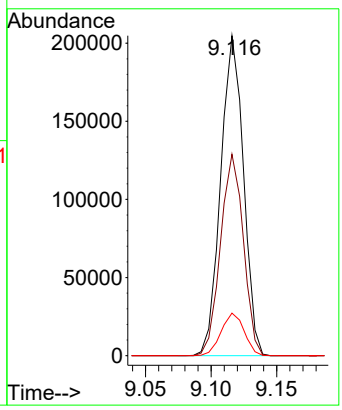




#41
Hexachlorocyclopentadiene
Concen: 39.695 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:237 Resp: 24748

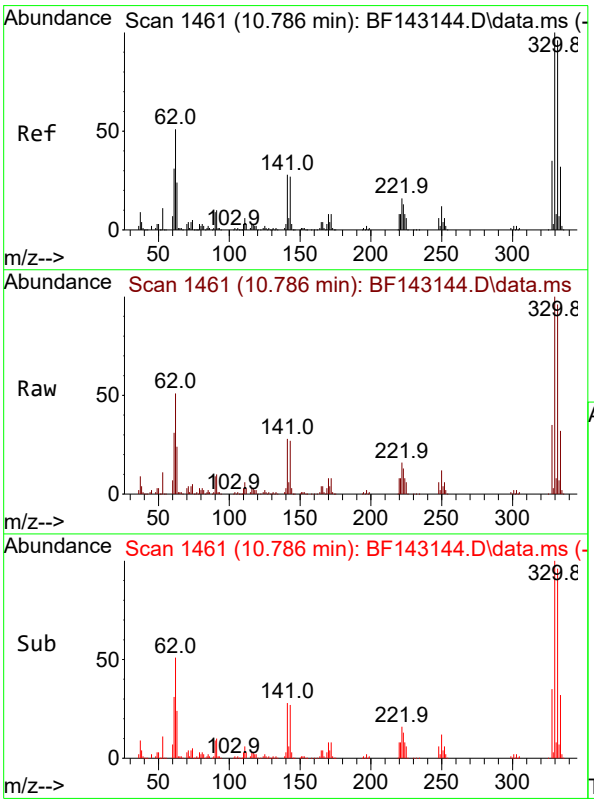
Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.0	83.0
272	13.3	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

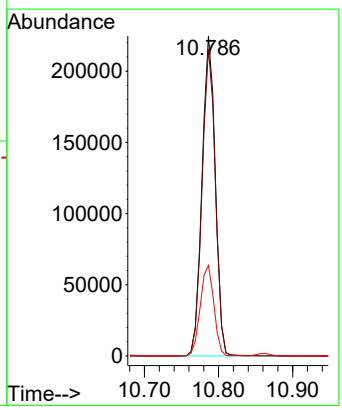
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

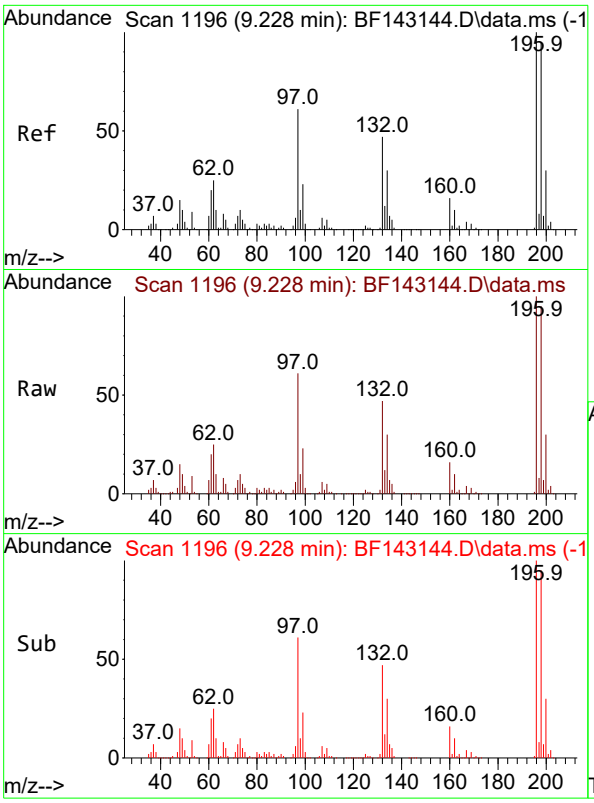


#42
2,4,6-Tribromophenol
Concen: 81.485 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:330 Resp: 279373

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	29.1	23.3	34.9

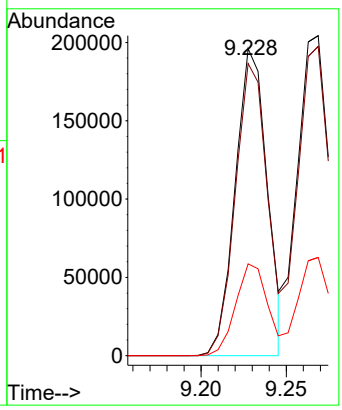




#43
2,4,6-Trichlorophenol
Concen: 38.471 ng
RT: 9.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:196 Resp: 25511

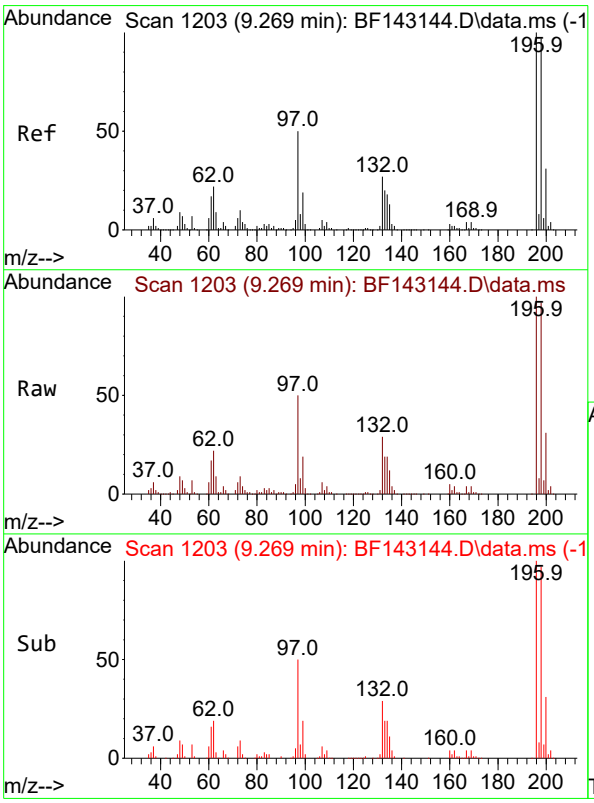
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	29.9	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

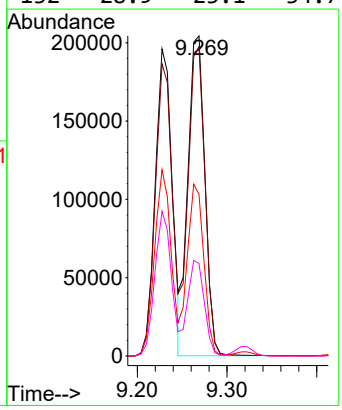
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

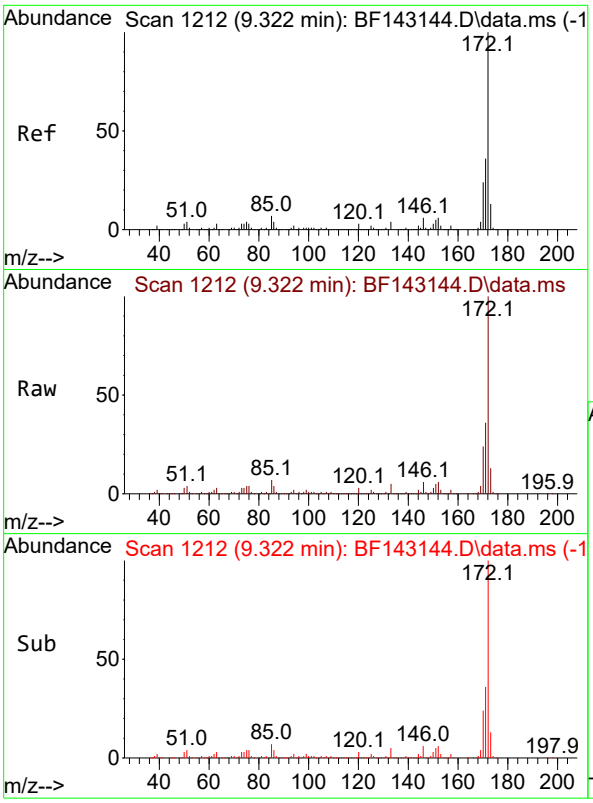


#44
2,4,5-Trichlorophenol
Concen: 40.494 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:196 Resp: 268615

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	50.4	40.3	60.5
132	28.9	23.1	34.7





#45
2-Fluorobiphenyl
Concen: 74.274 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

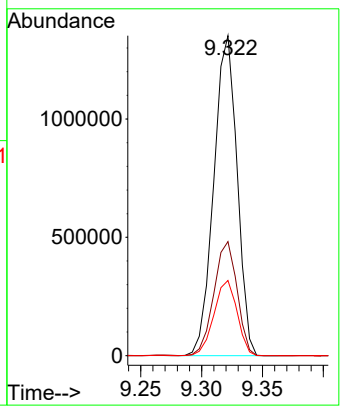
Tgt Ion:172 Resp: 180239

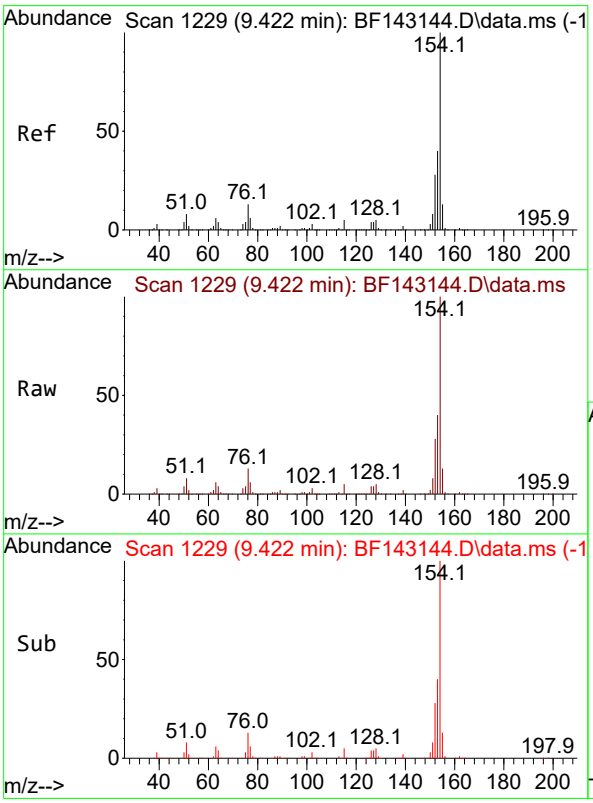
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.5	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

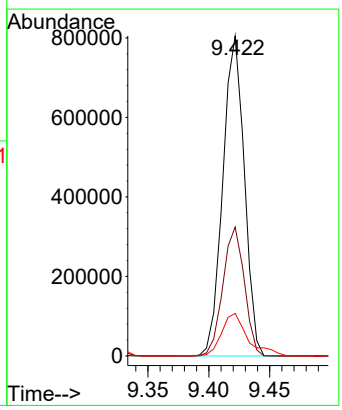


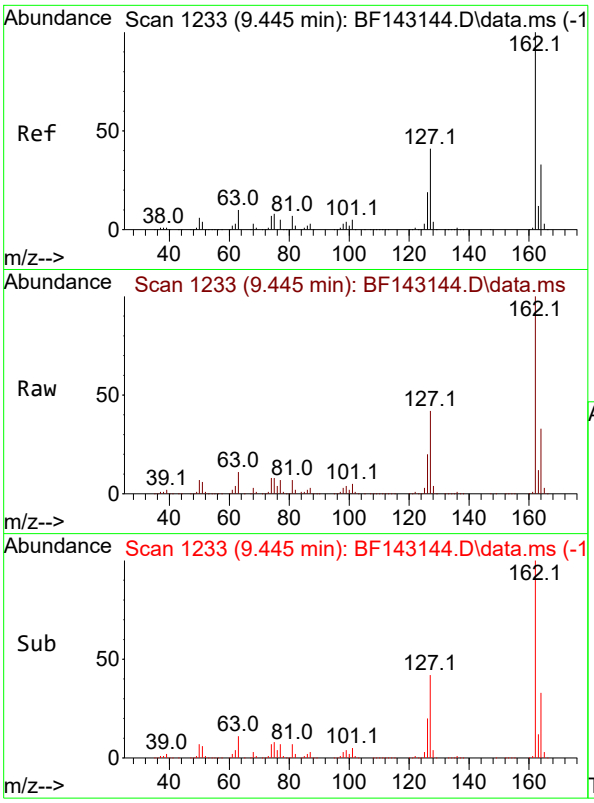


#46
1,1'-Biphenyl
Concen: 38.177 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:154 Resp: 988537

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.3	0.0	33.3

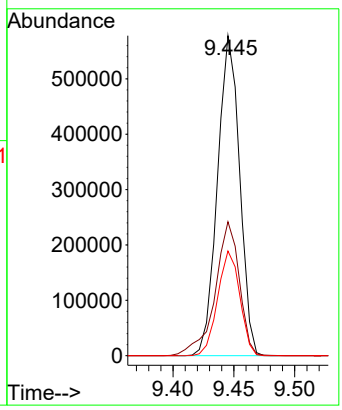




#47
2-Chloronaphthalene
Concen: 38.200 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:162 Resp: 731879

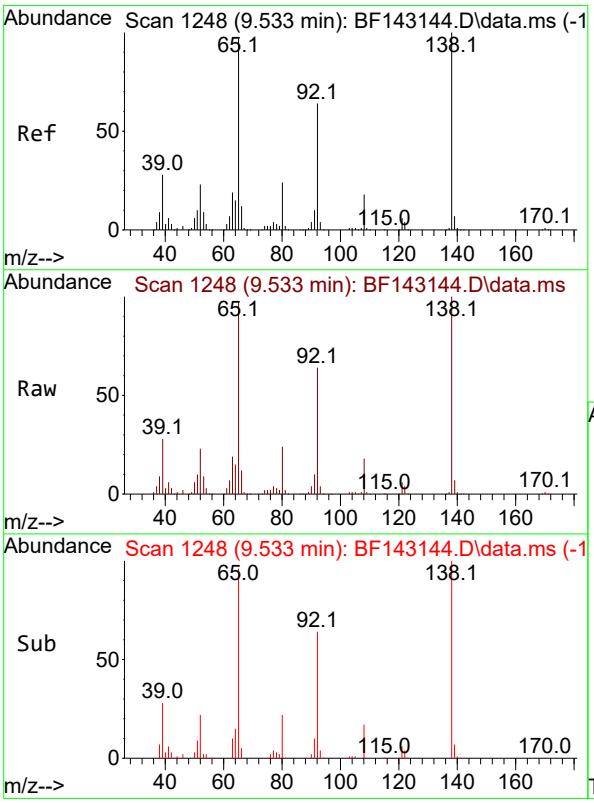
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

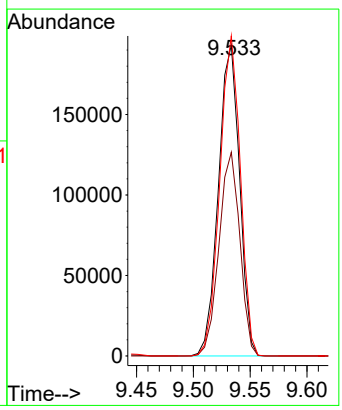
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

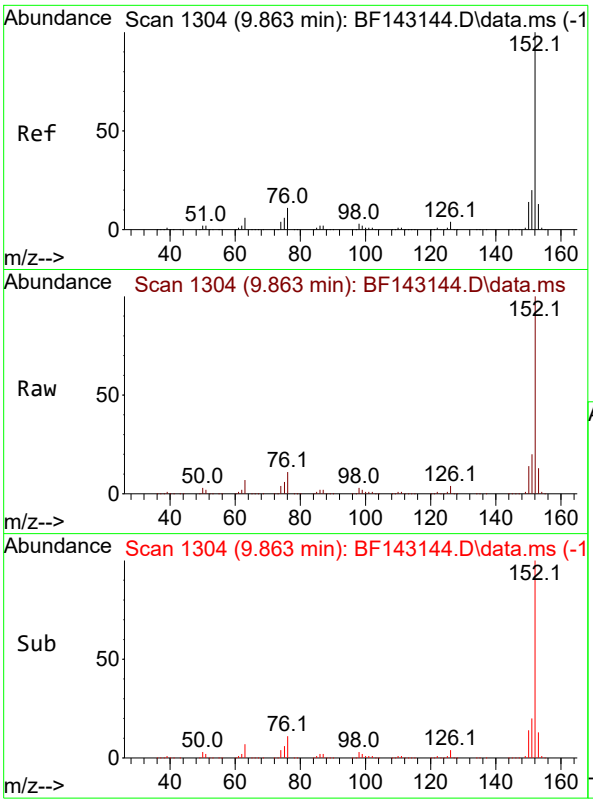


#48
2-Nitroaniline
Concen: 41.594 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 65 Resp: 249908

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.4	78.6
138	102.9	82.3	123.5

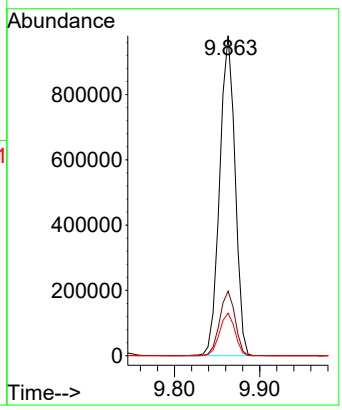




#49
Acenaphthylene
Concen: 38.458 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:152 Resp: 123478

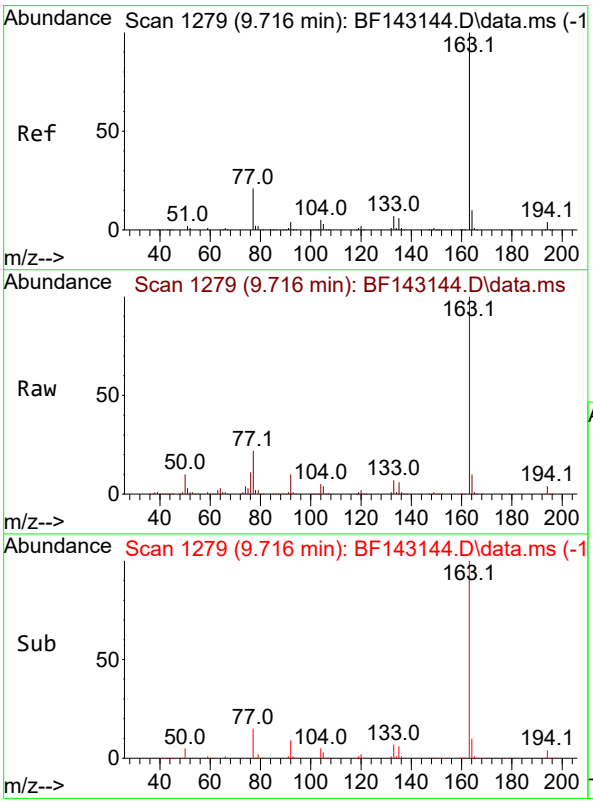
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

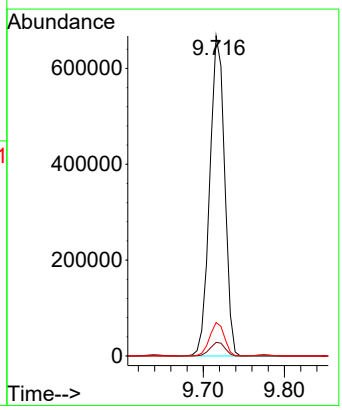
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

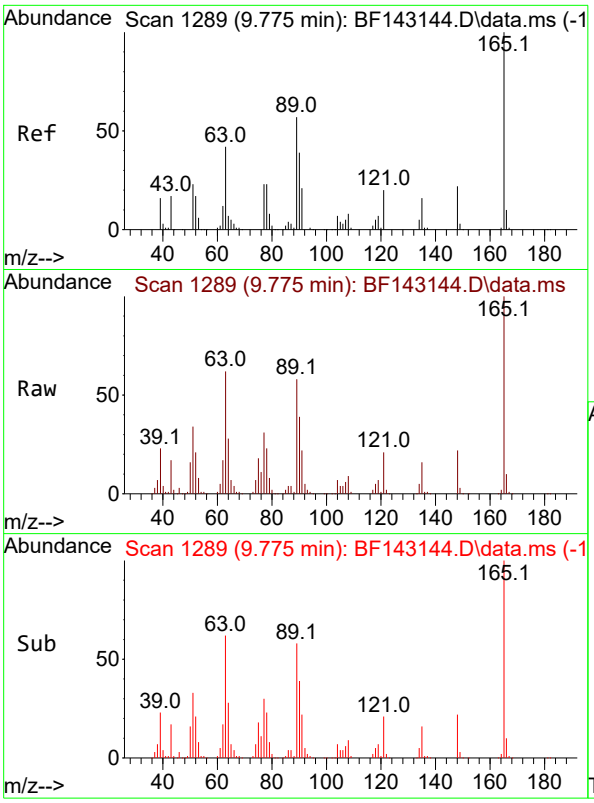


#50
Dimethylphthalate
Concen: 39.238 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:163 Resp: 848828

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.4	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 41.866 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

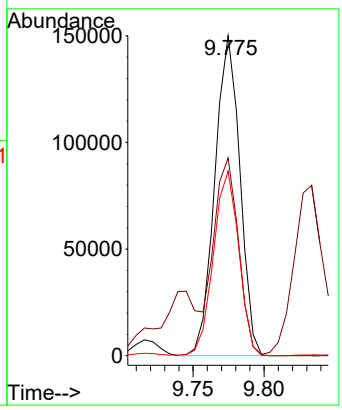
Tgt Ion:165 Resp: 18424

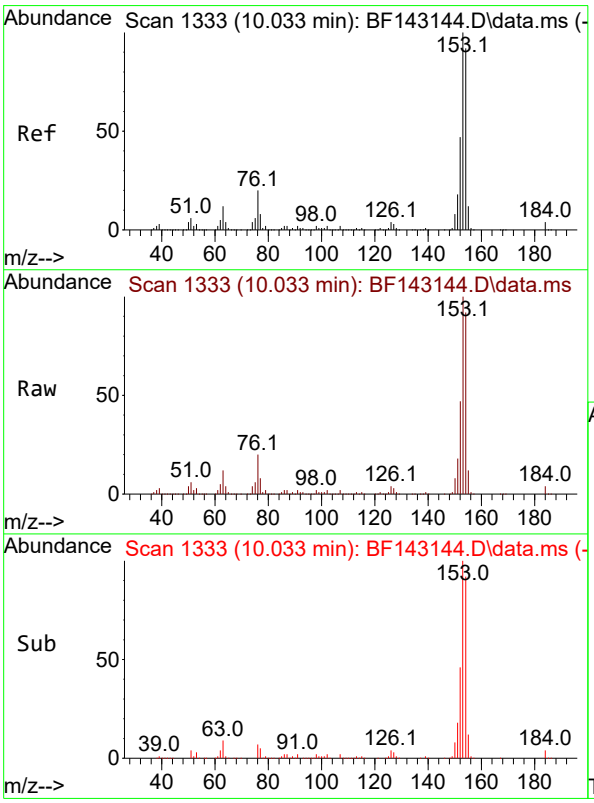
Ion	Ratio	Lower	Upper
165	100		
63	61.8	49.4	74.2
89	57.7	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

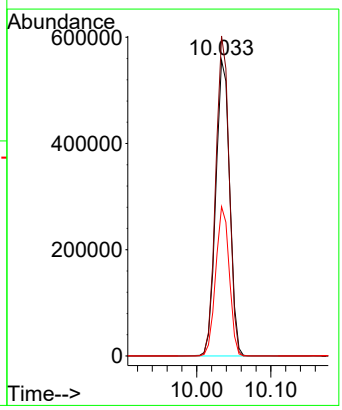


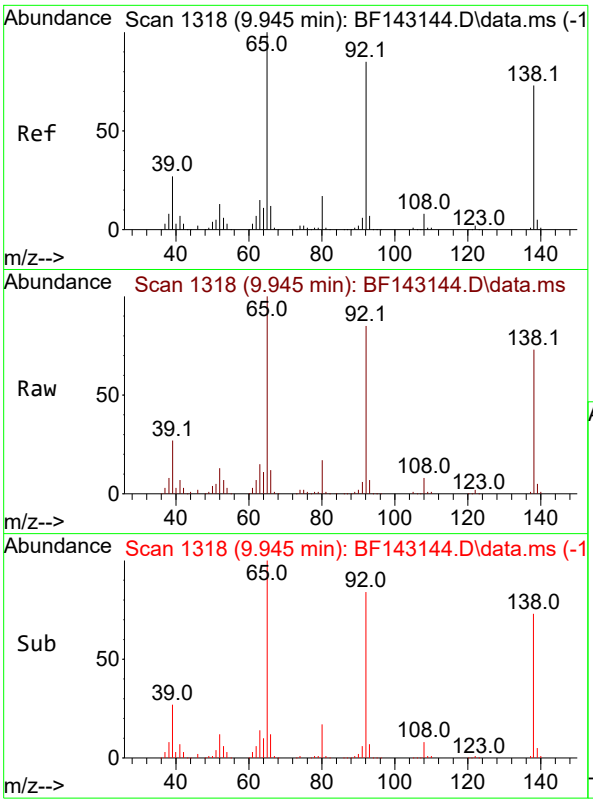


#52
Acenaphthene
Concen: 38.330 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:154 Resp: 727386

Ion	Ratio	Lower	Upper
154	100		
153	108.2	86.6	129.8
152	50.5	40.4	60.6

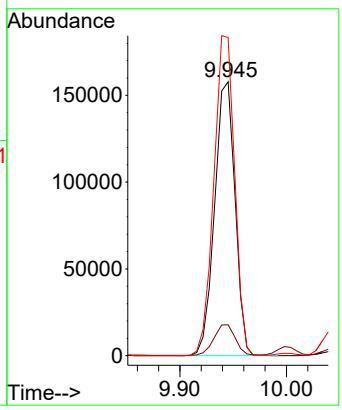




#53
3-Nitroaniline
Concen: 40.832 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:138 Resp: 21017

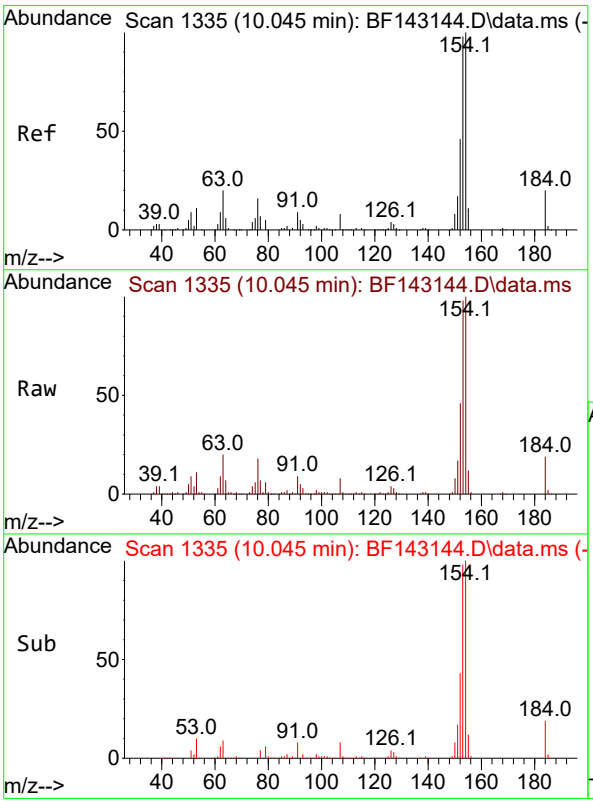
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.6
92	116.2	93.0	139.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

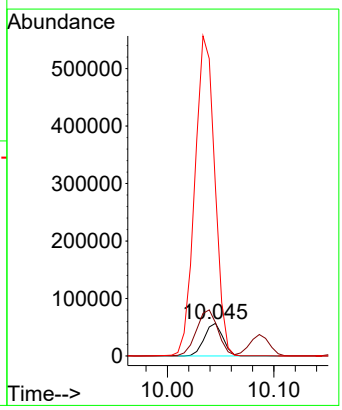
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

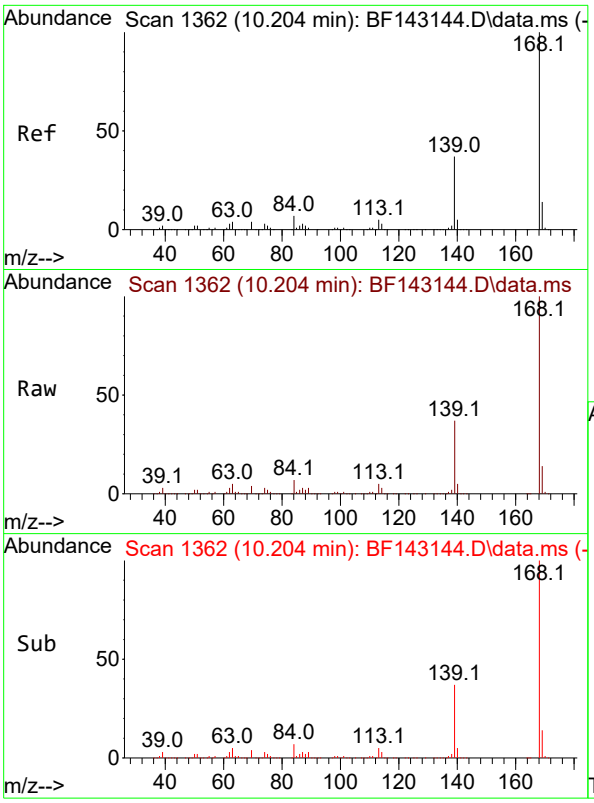


#54
2,4-Dinitrophenol
Concen: 38.449 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:184 Resp: 69157

Ion	Ratio	Lower	Upper
184	100		
63	102.2	81.8	122.6
154	515.3	412.2	618.4

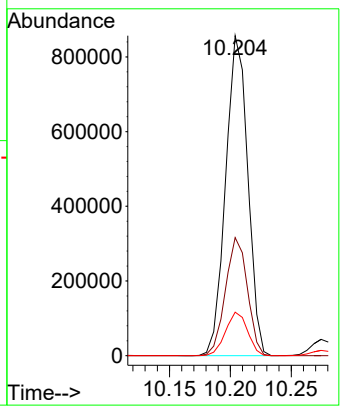




#55
Dibenzofuran
Concen: 38.462 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:168 Resp: 108367

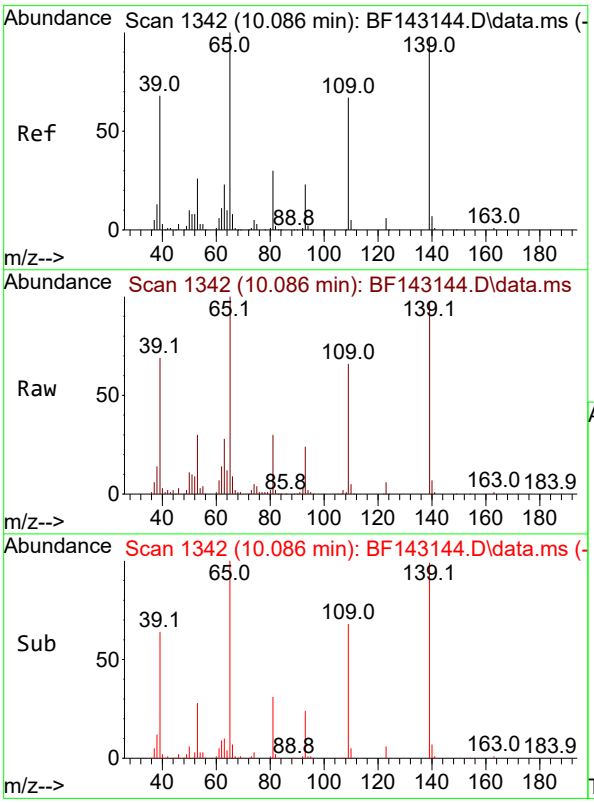
Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

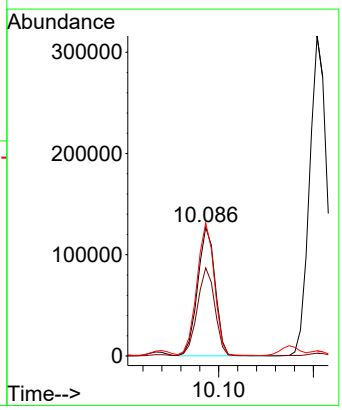
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

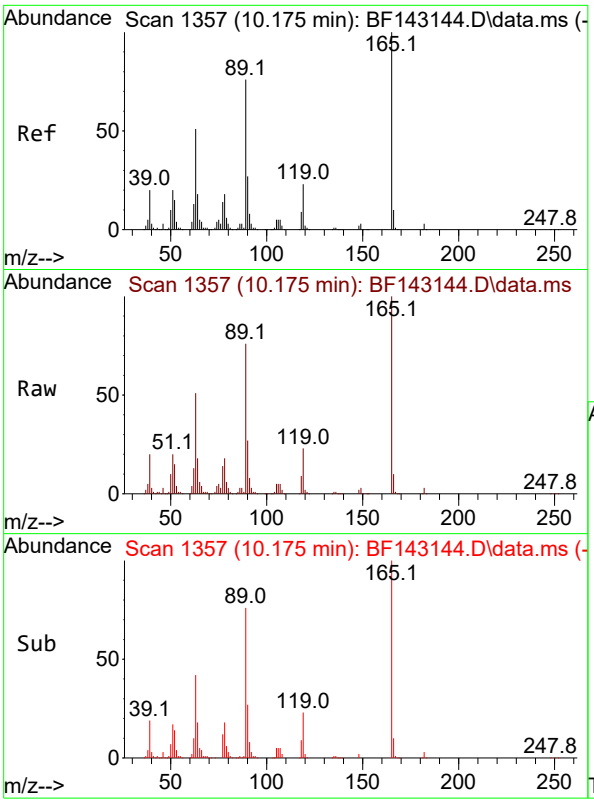


#56
4-Nitrophenol
Concen: 42.408 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:139 Resp: 163009

Ion	Ratio	Lower	Upper
139	100		
109	68.5	48.5	88.5
65	103.4	83.4	123.4

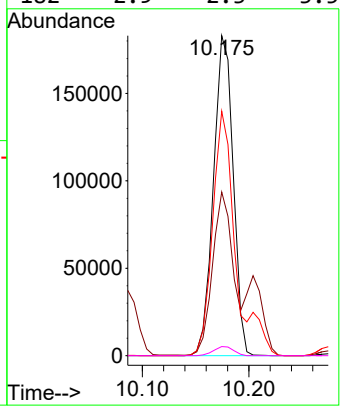




#57
2,4-Dinitrotoluene
Concen: 42.581 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:165 Resp: 23510

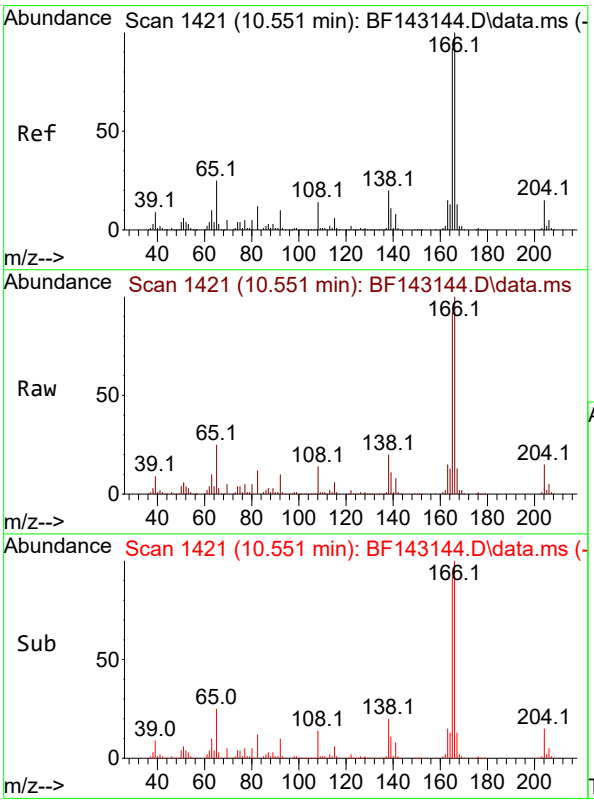
Ion	Ratio	Lower	Upper
165	100		
63	51.2	41.0	61.4
89	76.4	61.1	91.7
182	2.9	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

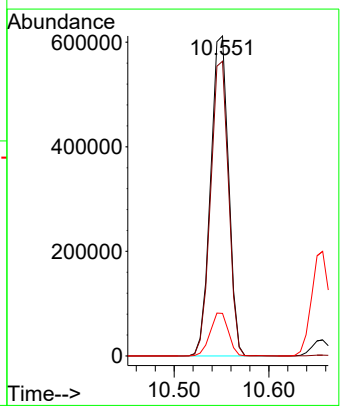
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

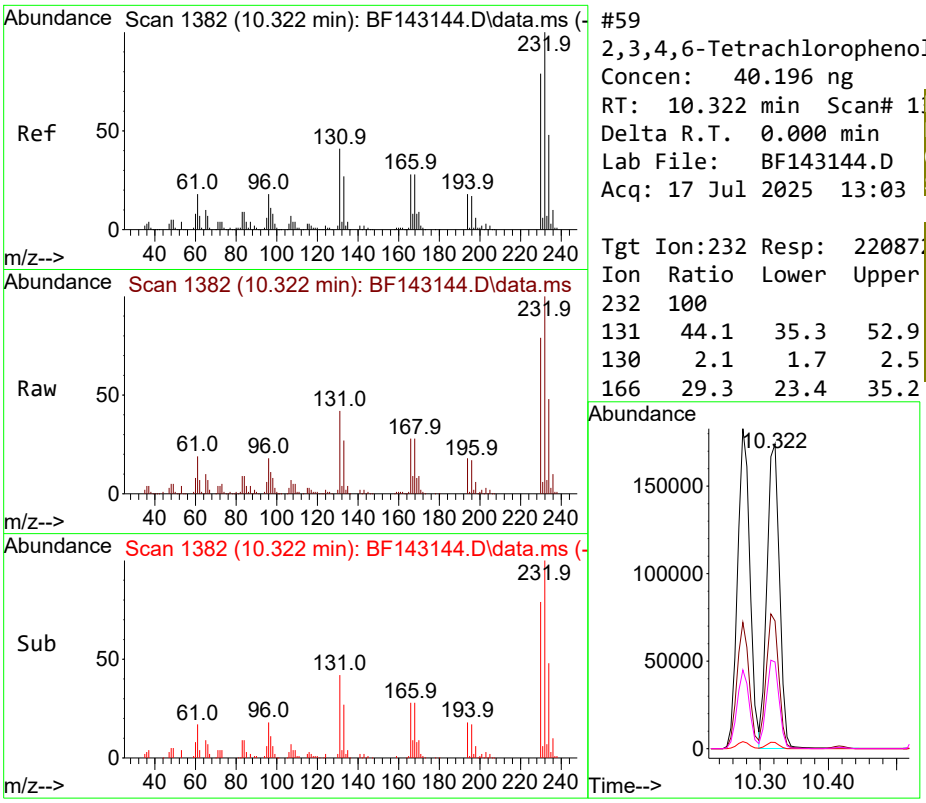


#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:166 Resp: 804336

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.3	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 40.196 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

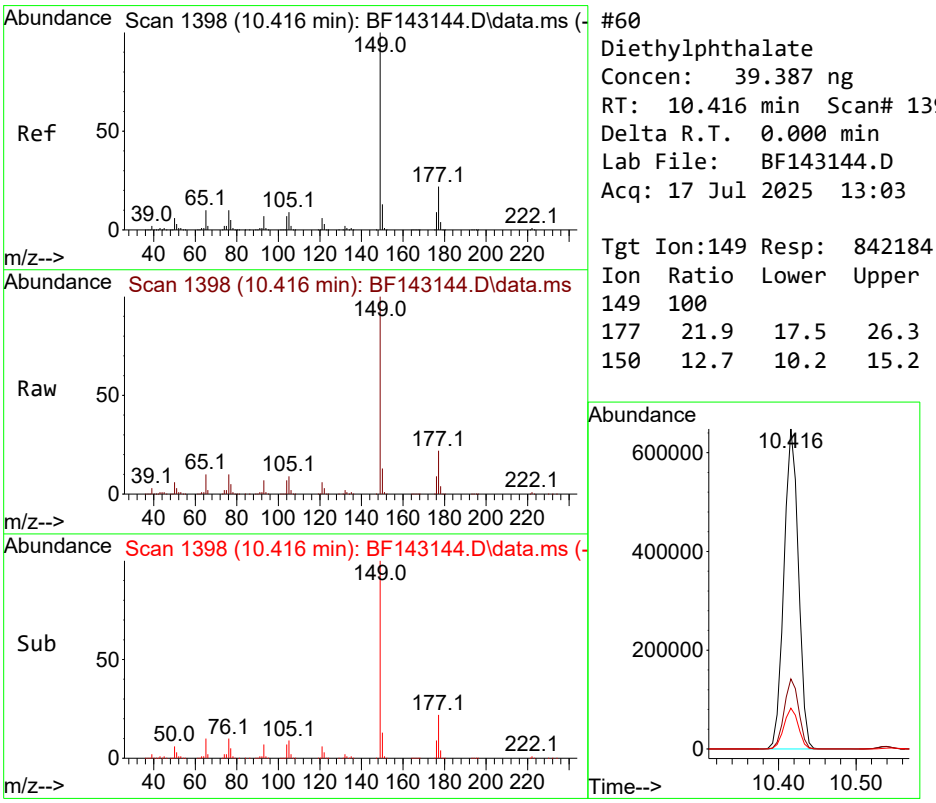
Tgt Ion:232 Resp: 22087

Ion	Ratio	Lower	Upper
232	100		
131	44.1	35.3	52.9
130	2.1	1.7	2.5
166	29.3	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

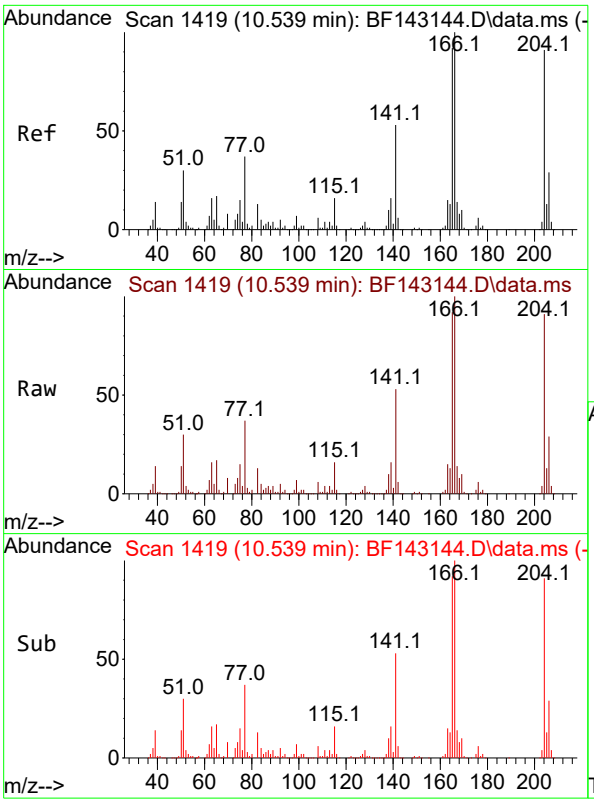
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#60
Diethylphthalate
Concen: 39.387 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 842184

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.7	10.2	15.2



#61
4-Chlorophenyl-phenylether
Concen: 38.604 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

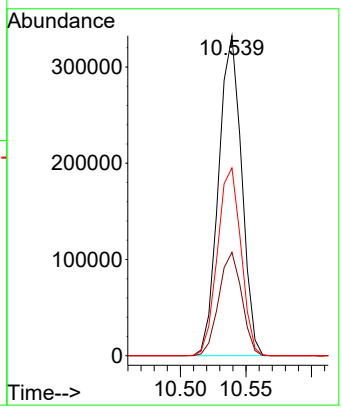
Tgt Ion:204 Resp: 40647

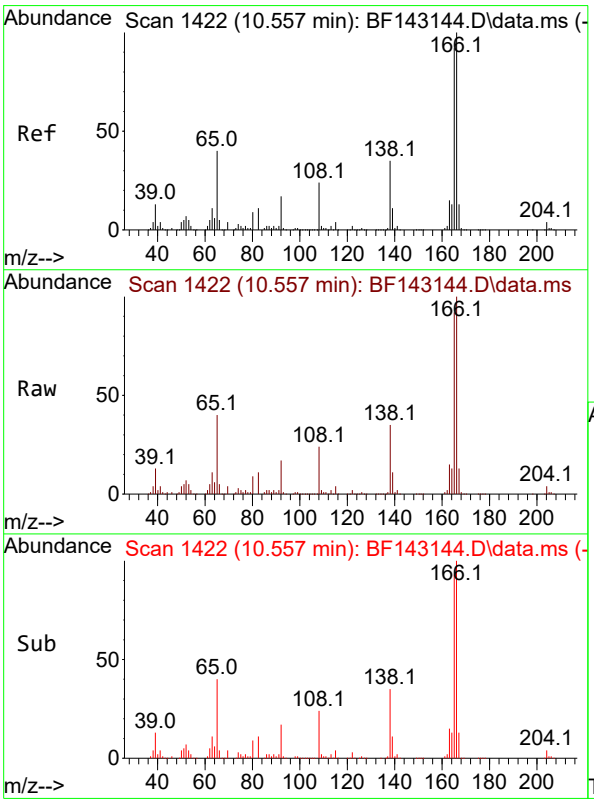
Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	58.7	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

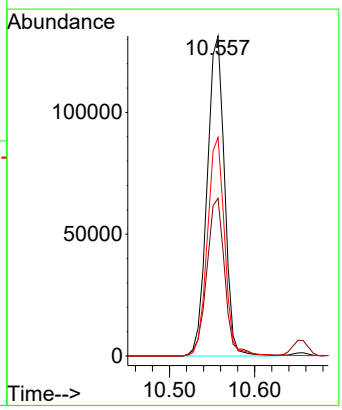


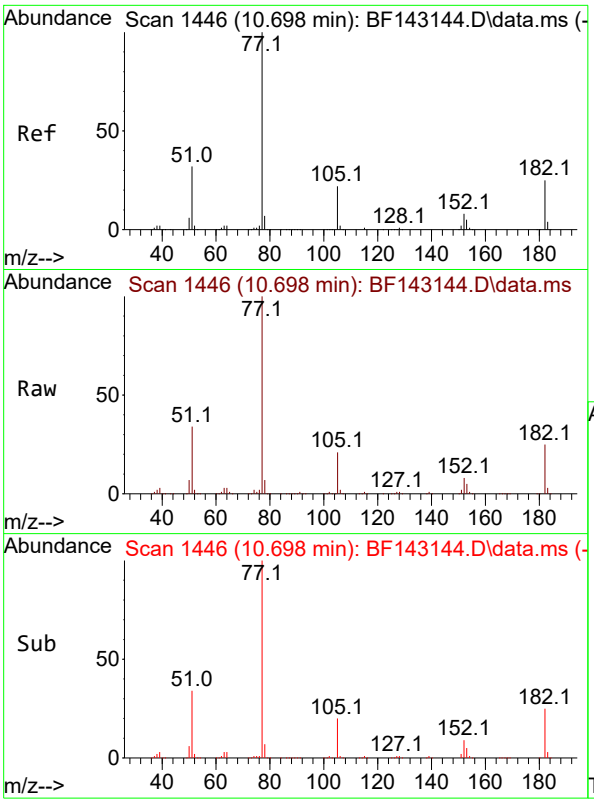


#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:138 Resp: 185530

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	68.3	48.3	88.3

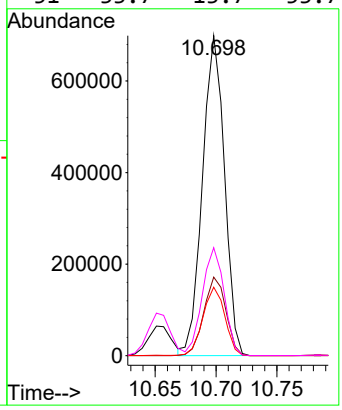




#63
Azobenzene
Concen: 39.326 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 77 Resp: 87638

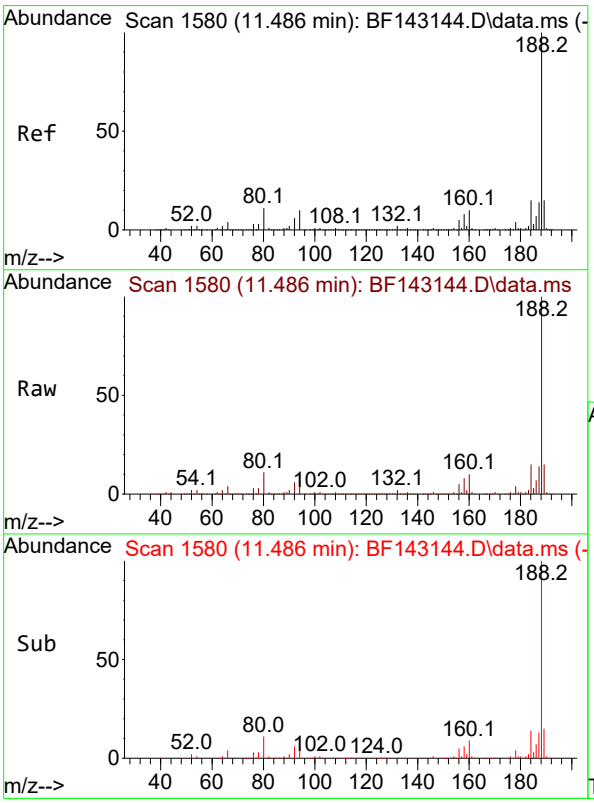
Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.4	1.4	41.4
51	33.7	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

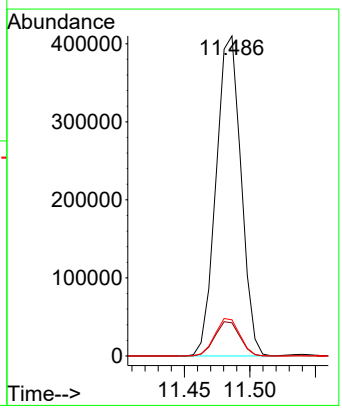
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

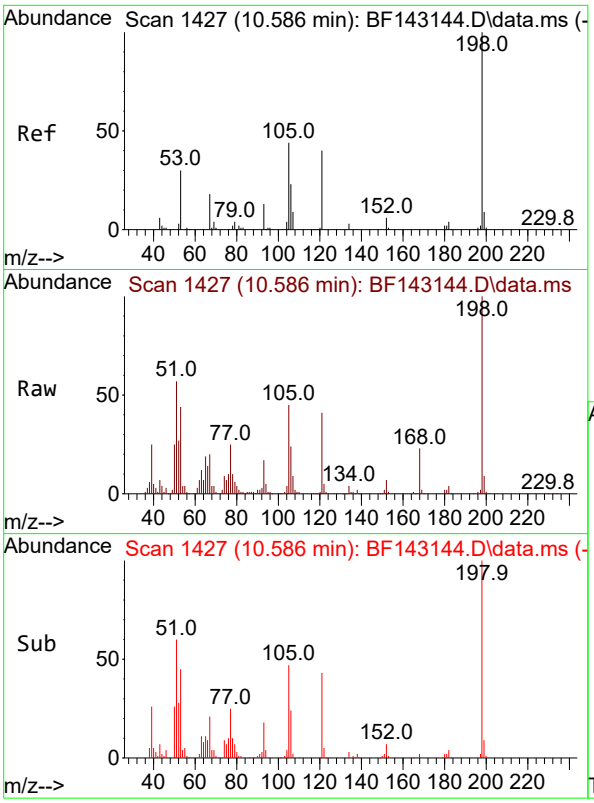


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:188 Resp: 542726

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	11.3	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 38.322 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

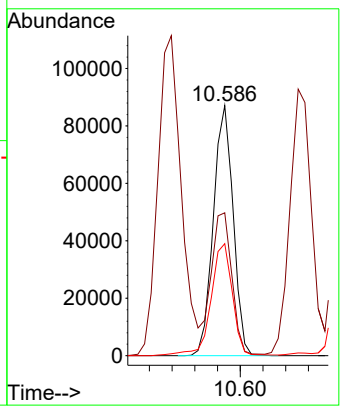
Tgt Ion:198 Resp: 10553

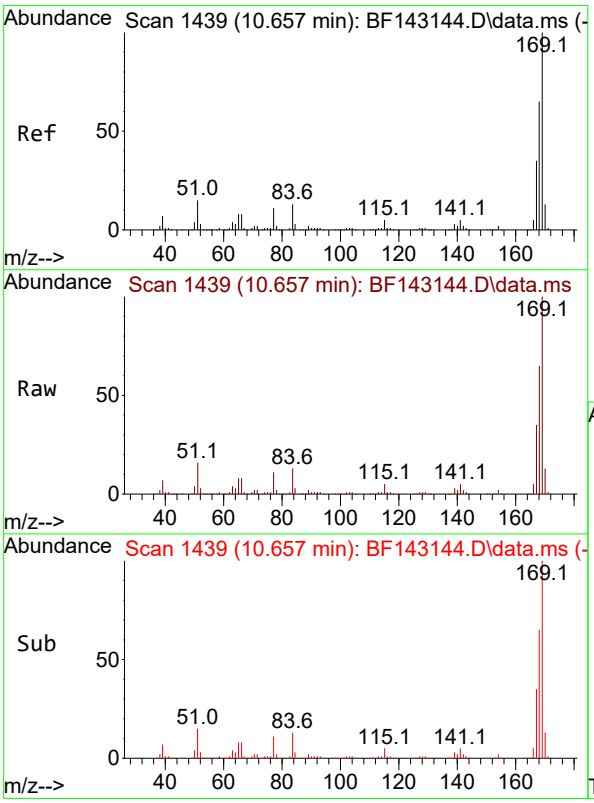
Ion	Ratio	Lower	Upper
198	100		
51	57.2	37.2	77.2
105	44.8	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

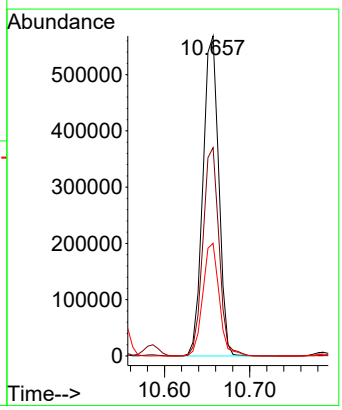


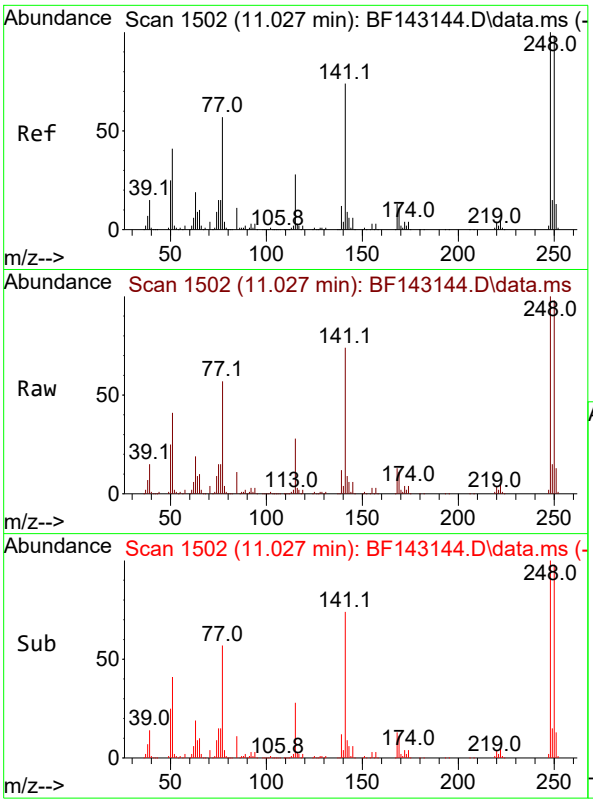


#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:169 Resp: 731532

Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.1	78.1
167	35.2	28.2	42.2





#67
4-Bromophenyl-phenylether
Concen: 38.307 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

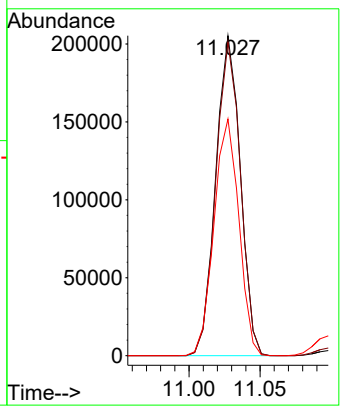
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

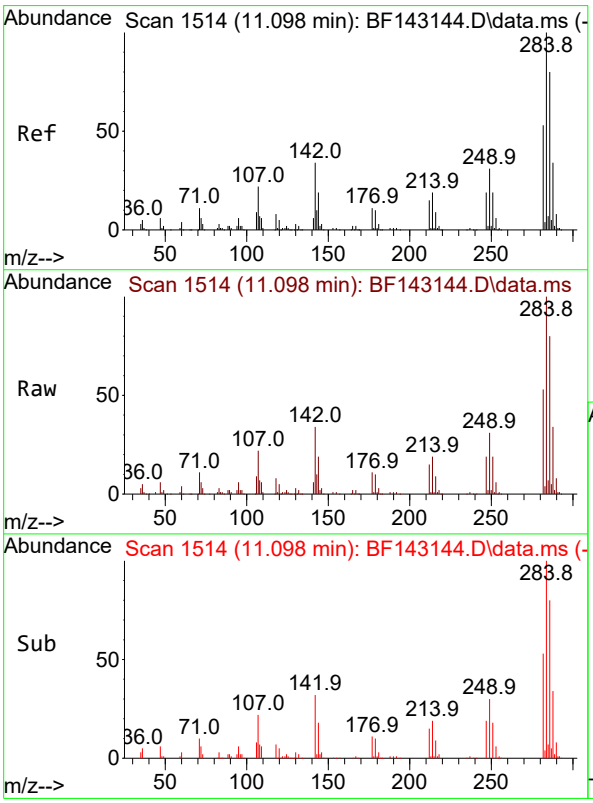
Tgt Ion:248 Resp: 24776

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	74.0	59.2	88.8

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

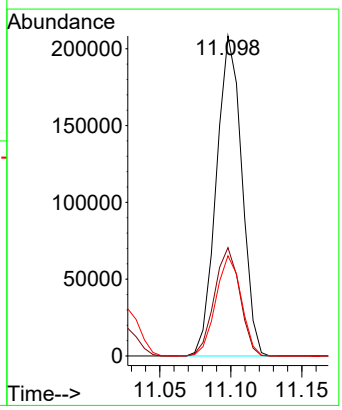


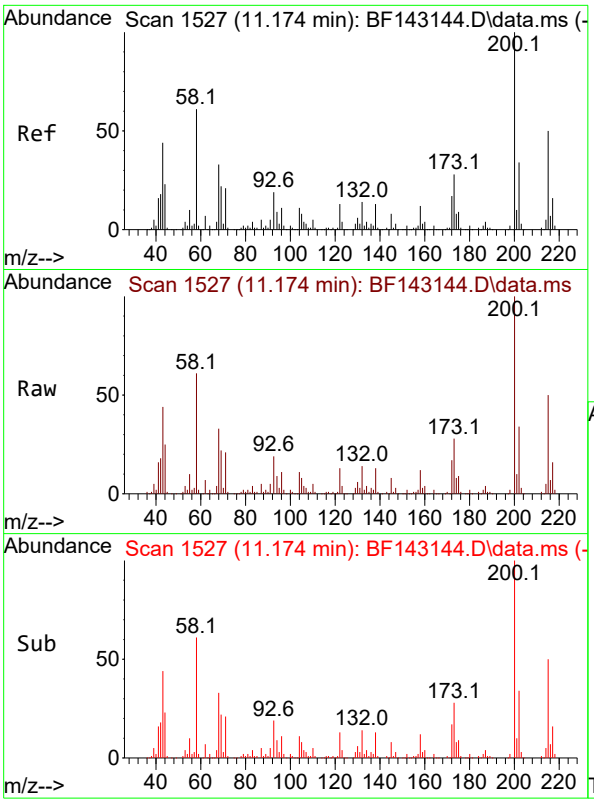


#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:284 Resp: 259758

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.6
249	31.3	25.0	37.6

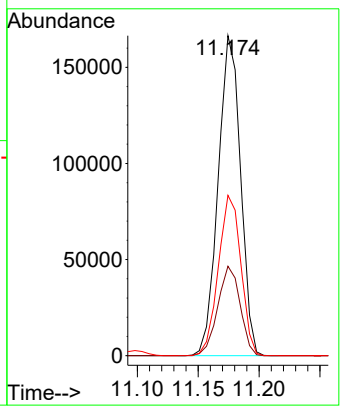




#69
Atrazine
Concen: 40.421 ng
RT: 11.174 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:200 Resp: 21297

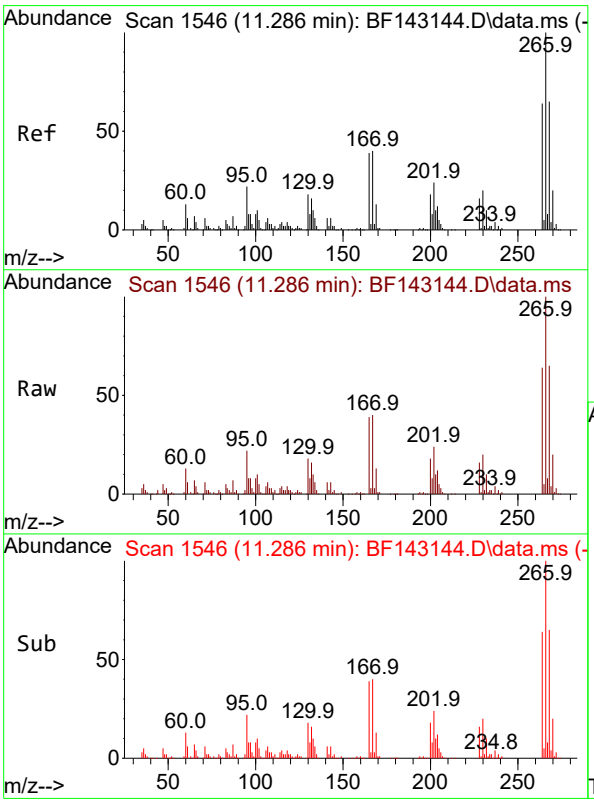
Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.9	47.9
215	50.1	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

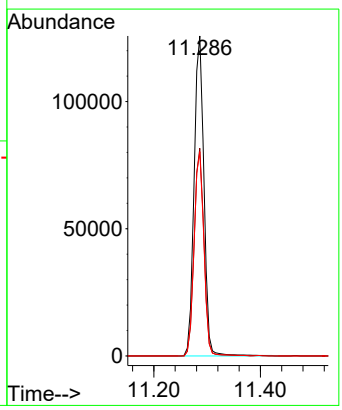
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

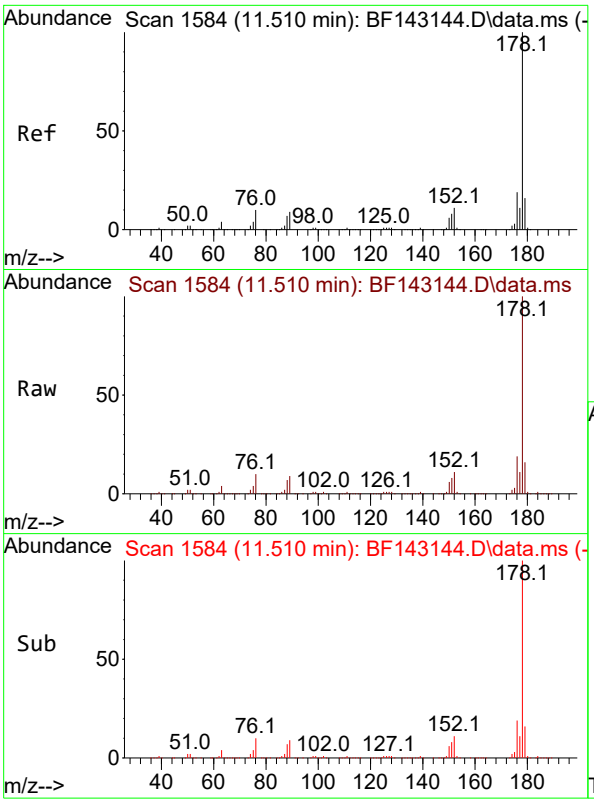


#70
Pentachlorophenol
Concen: 40.500 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:266 Resp: 161013

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.9	77.9
264	63.8	51.0	76.6

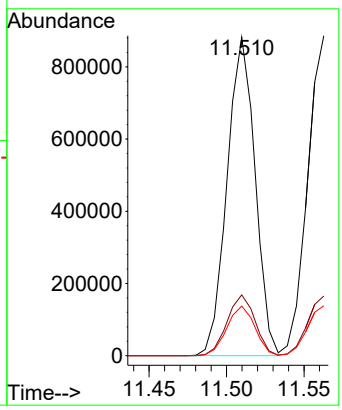




#71
Phenanthrene
Concen: 38.429 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:178 Resp: 110741

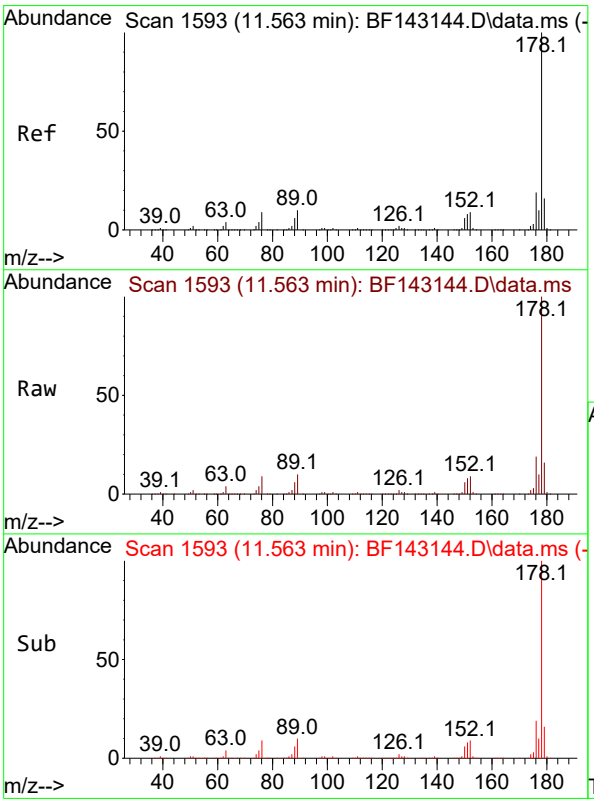
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

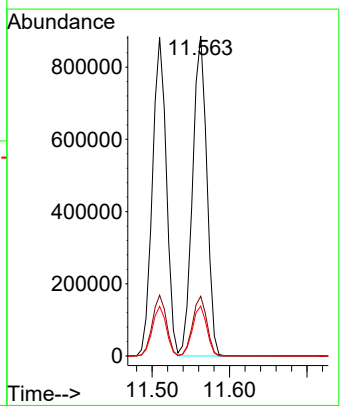
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

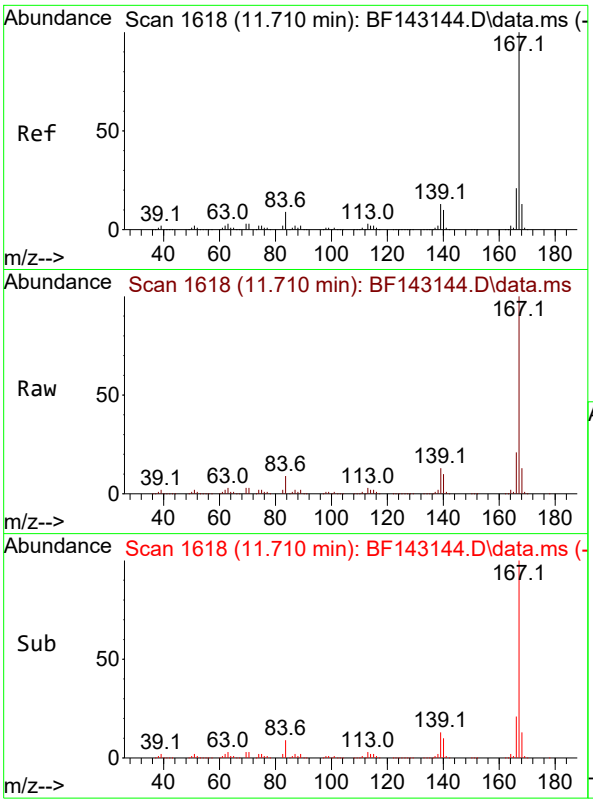


#72
Anthracene
Concen: 38.336 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:178 Resp: 1126710

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.5	18.7





#73
Carbazole
Concen: 39.304 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

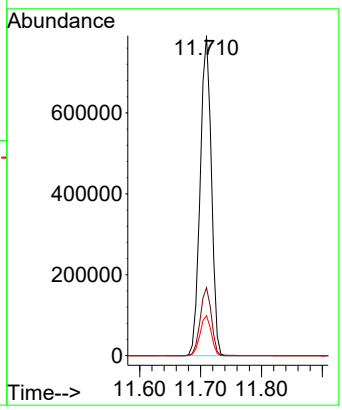
Tgt Ion:167 Resp: 100866

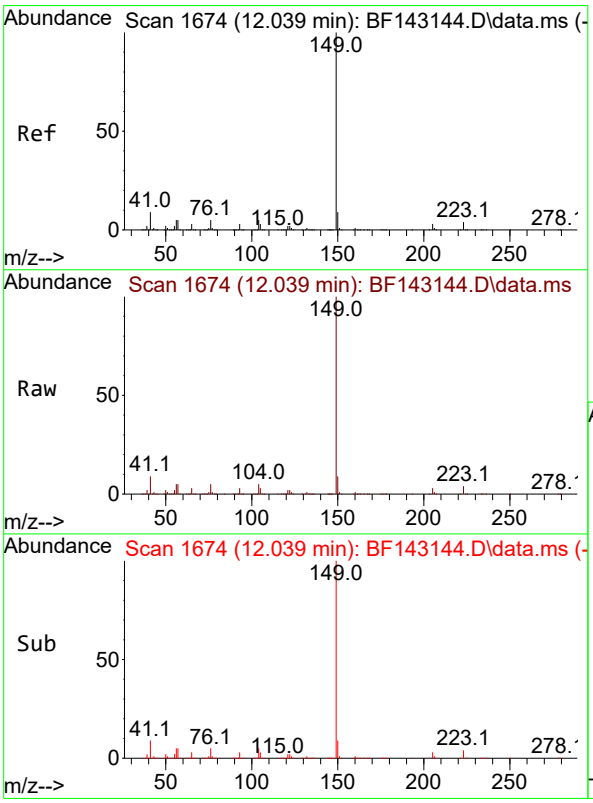
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.5	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

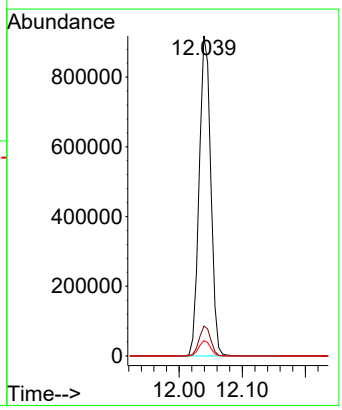


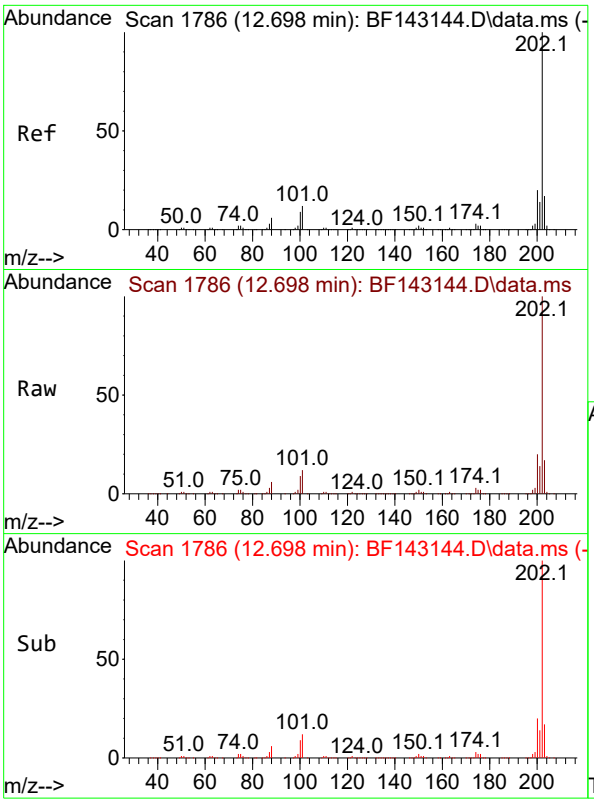


#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 1165443

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.8	3.8	5.8

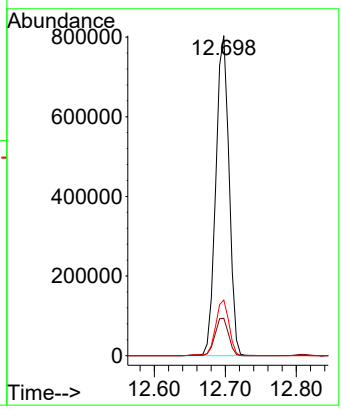




#75
Fluoranthene
Concen: 39.111 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:202 Resp: 103450

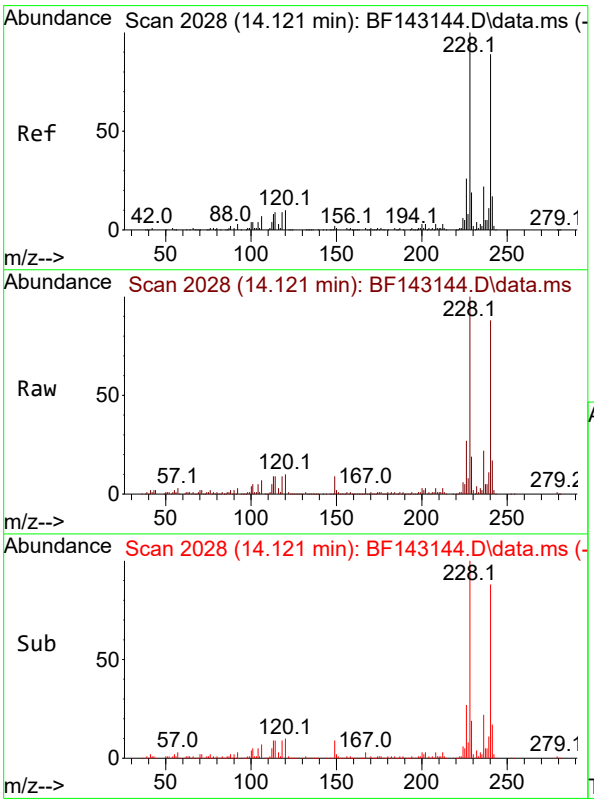
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.4	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

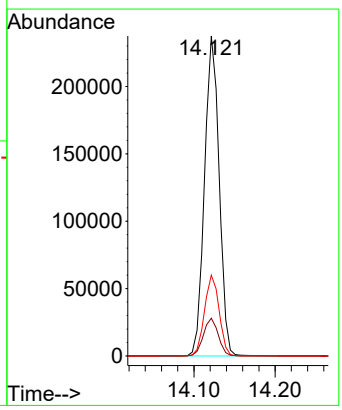
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

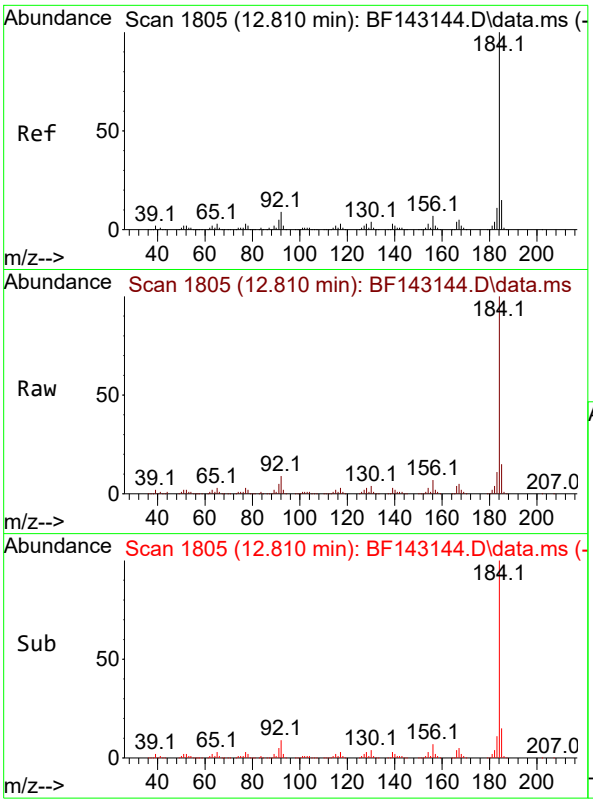


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:240 Resp: 296414

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	25.3	20.2	30.4

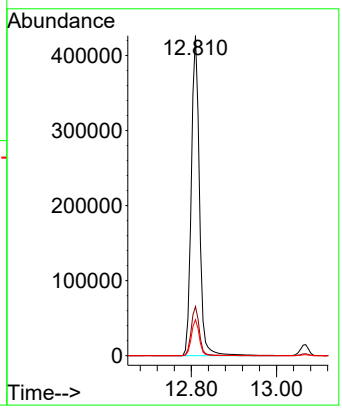




#77
Benzidine
Concen: 49.451 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:184 Resp: 56473

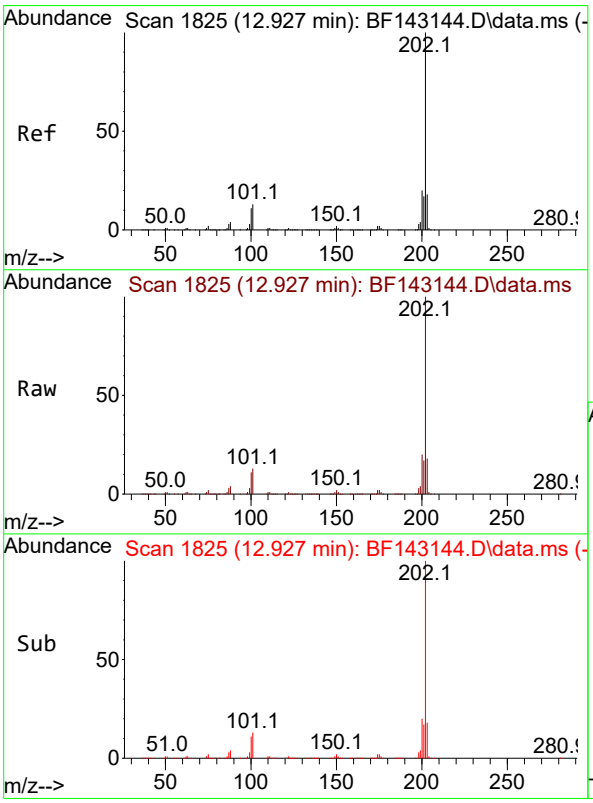
Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.4
183	11.2	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

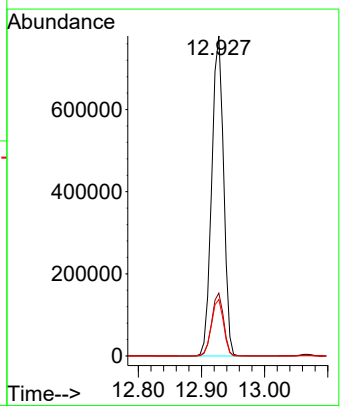
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

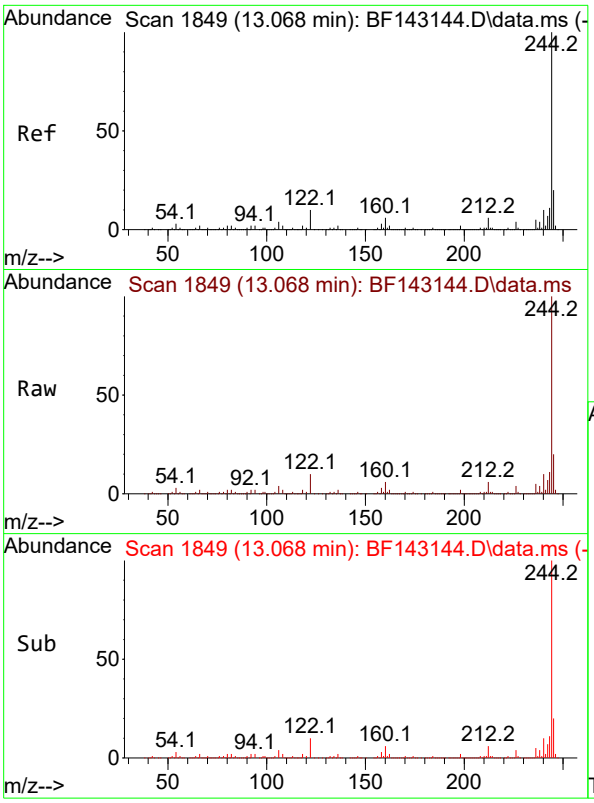


#78
Pyrene
Concen: 40.195 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:202 Resp: 1016822

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.7	14.2	21.2

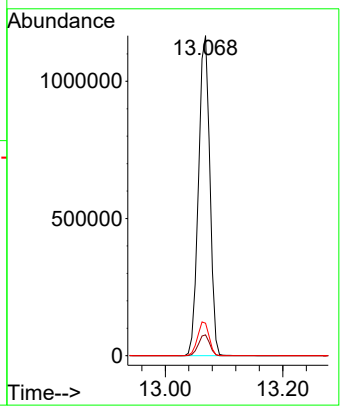




#79
Terphenyl-d14
Concen: 78.063 ng
RT: 13.068 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:244 Resp: 155492

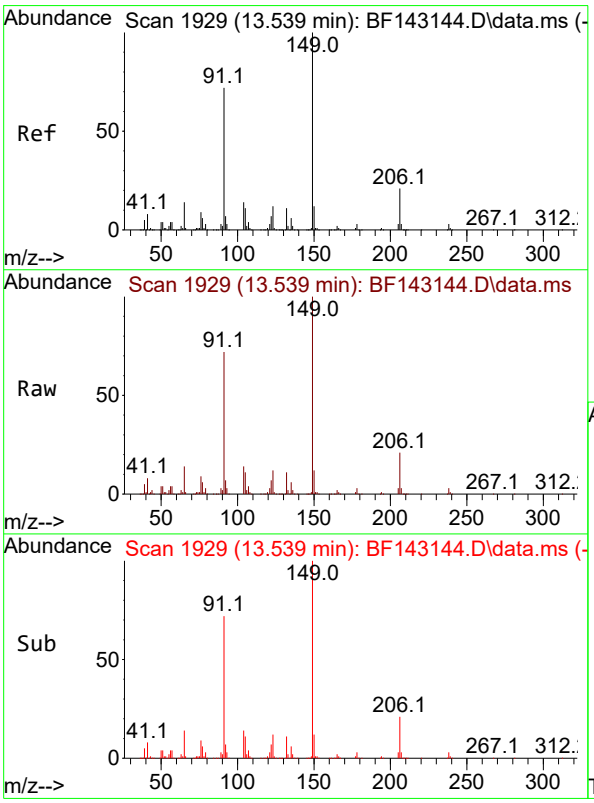
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.2	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

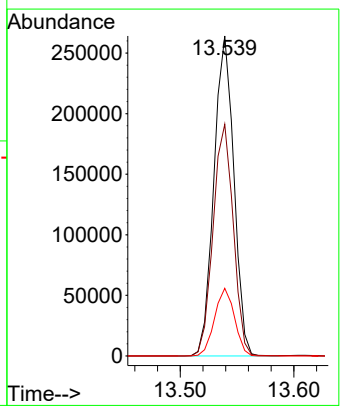
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

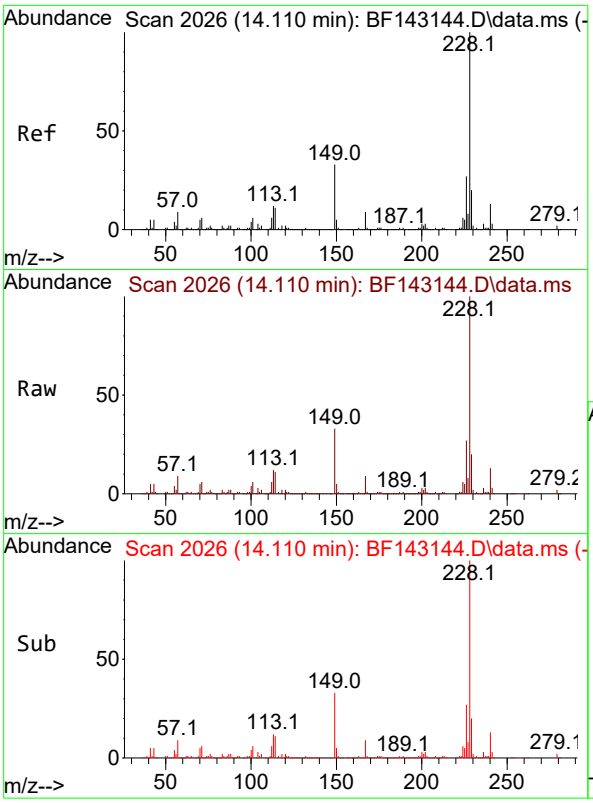


#80
Butylbenzylphthalate
Concen: 41.603 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 322273

Ion	Ratio	Lower	Upper
149	100		
91	72.4	57.9	86.9
206	21.2	17.0	25.4

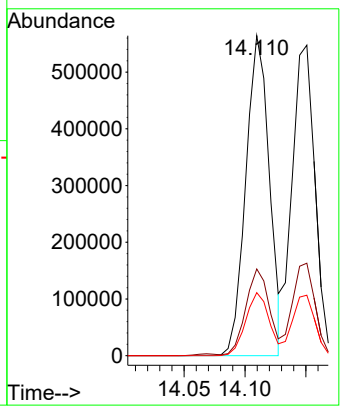




#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:228 Resp: 75972

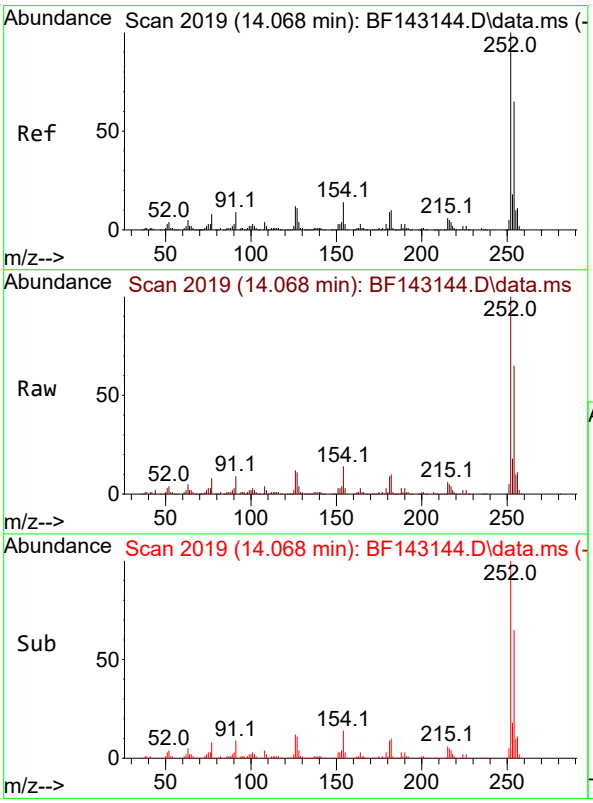
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

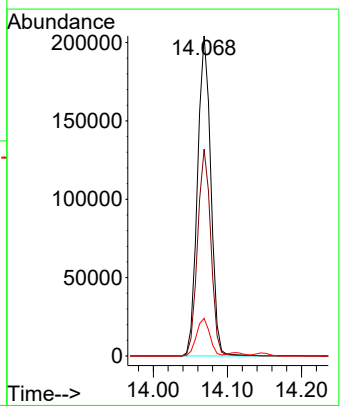
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

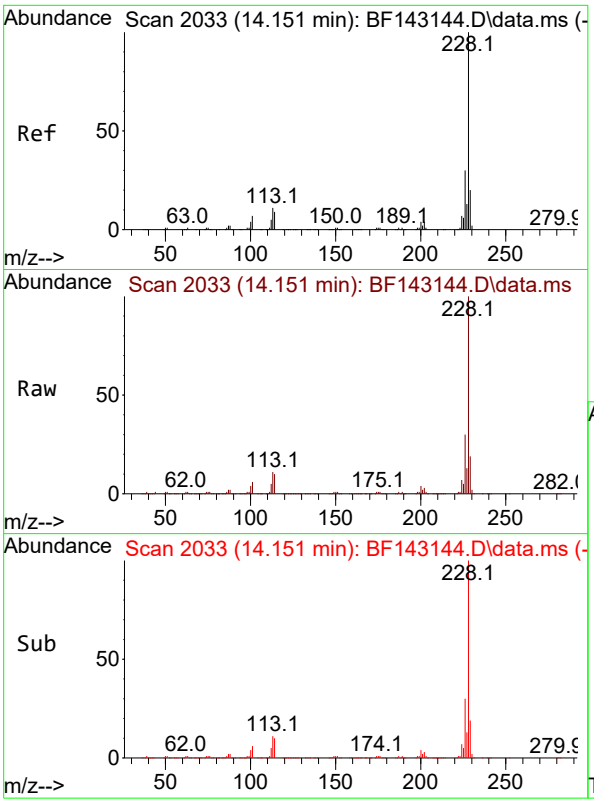


#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 254099

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.7	9.4	14.0

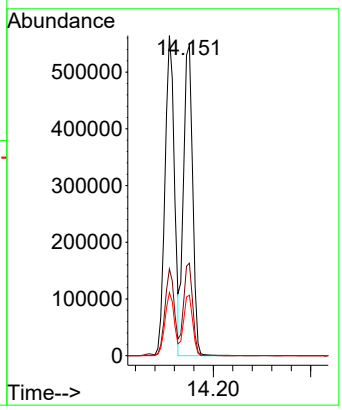




#83
Chrysene
Concen: 40.085 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:228 Resp: 71522

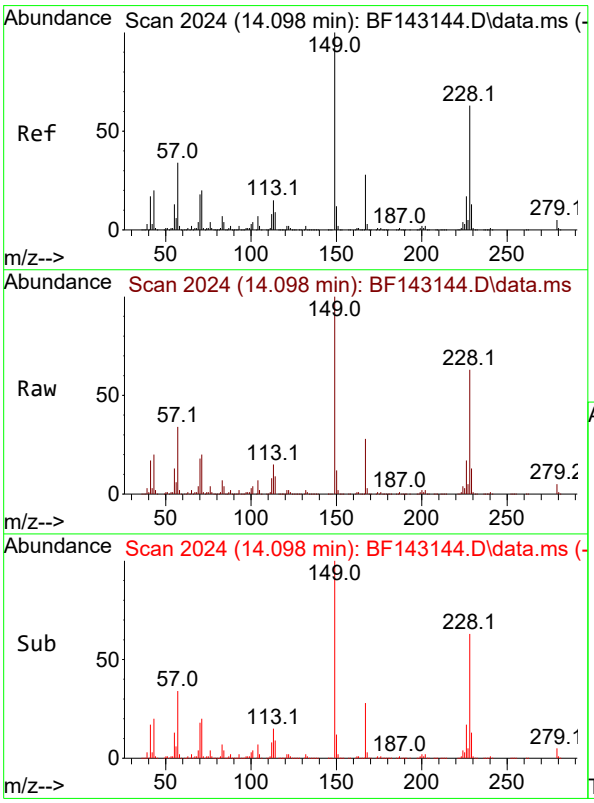
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

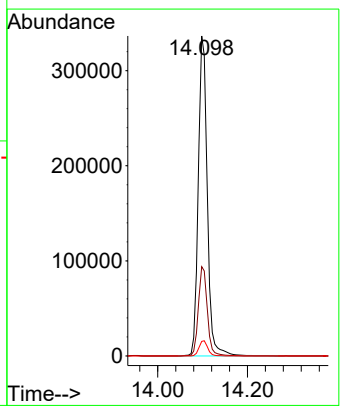
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

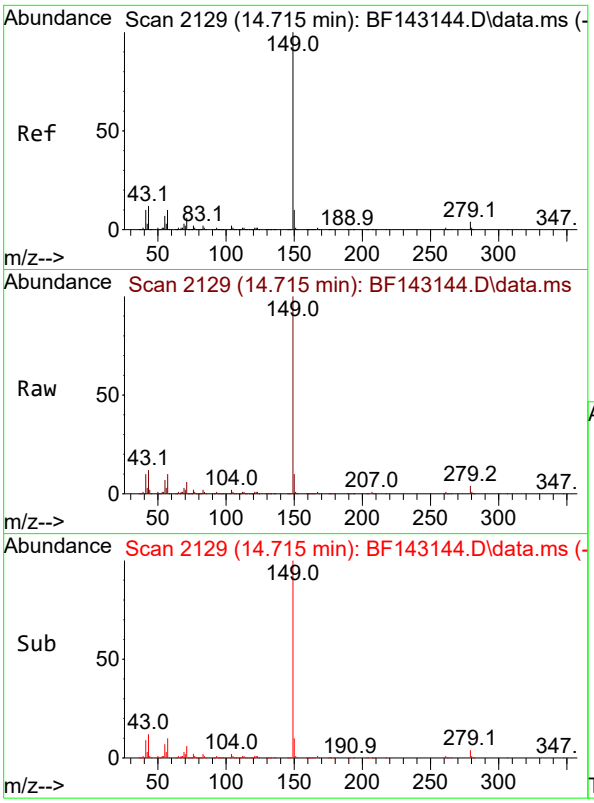


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.906 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 467892

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.5	3.6	5.4

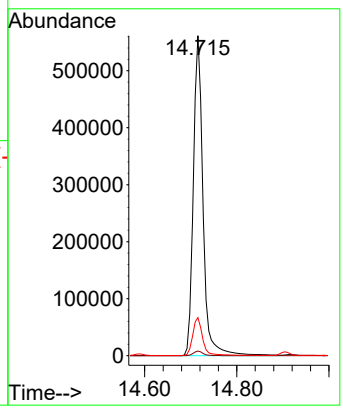




#85
Di-n-octyl phthalate
Concen: 38.595 ng
RT: 14.715 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 82026

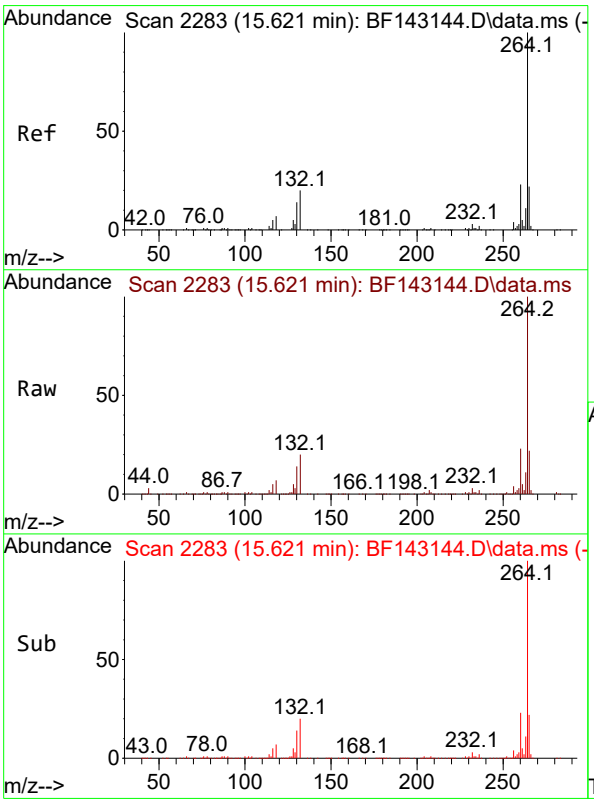
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	12.1	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

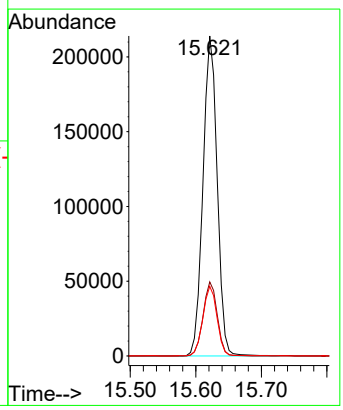
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

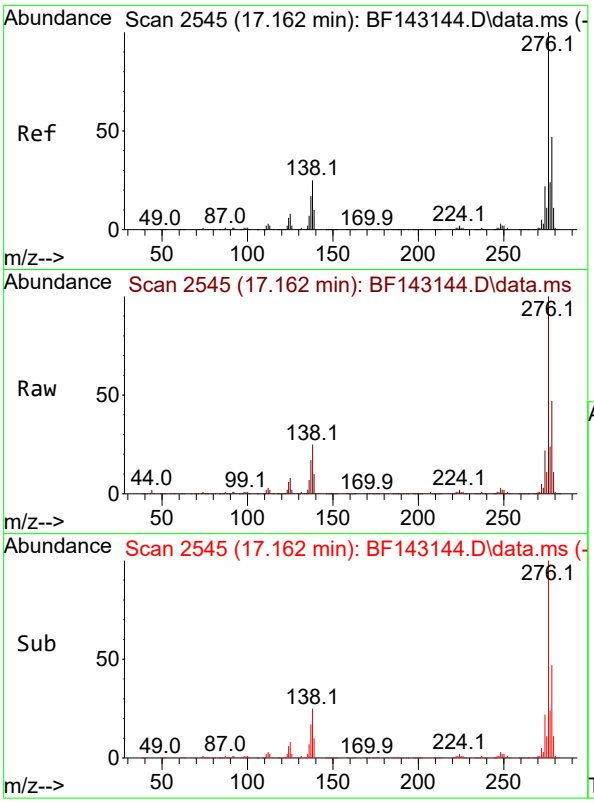


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:264 Resp: 323574

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.8	17.4	26.2

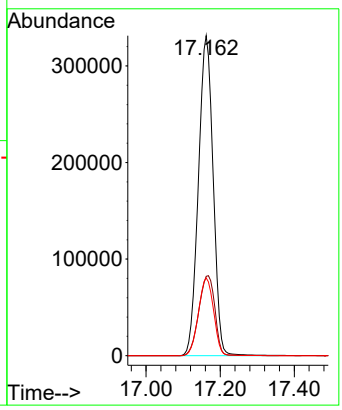




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.086 ng
RT: 17.162 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:276 Resp: 91462

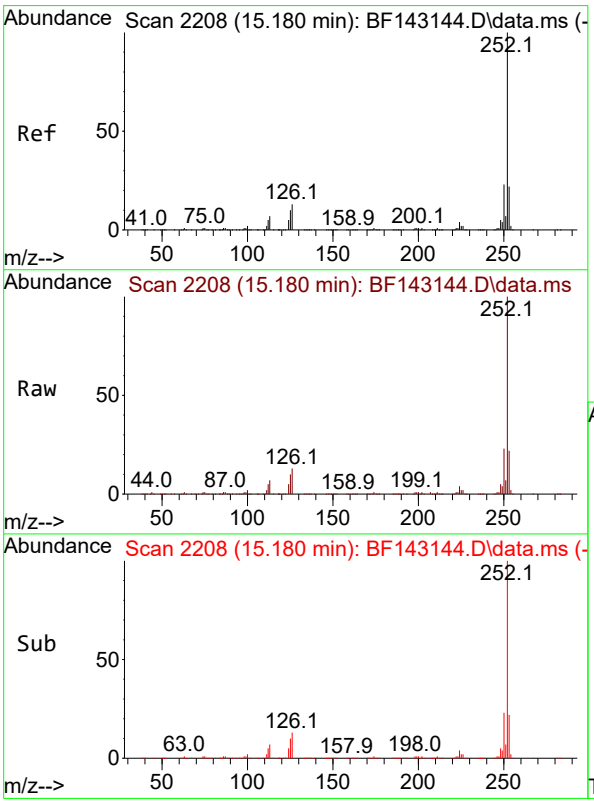
Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	25.0	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

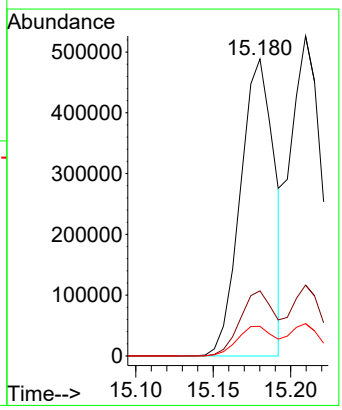
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

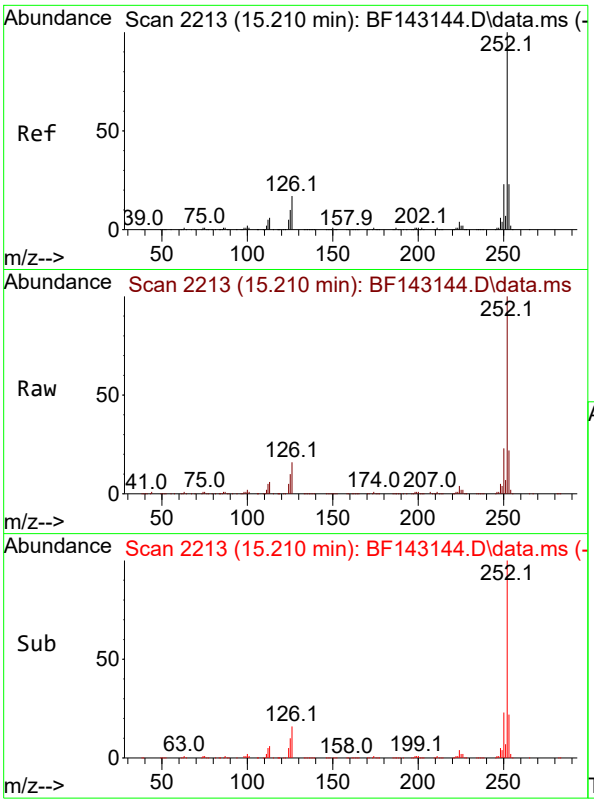


#88
Benzo(b)fluoranthene
Concen: 37.554 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 742346

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.0	8.0	12.0

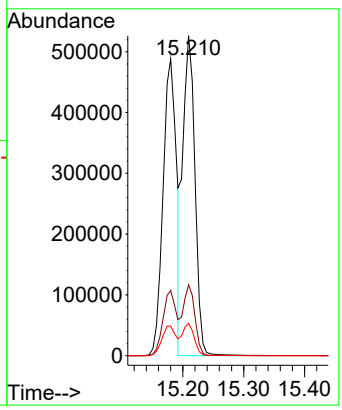




#89
Benzo(k)fluoranthene
Concen: 41.591 ng
RT: 15.210 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 73363

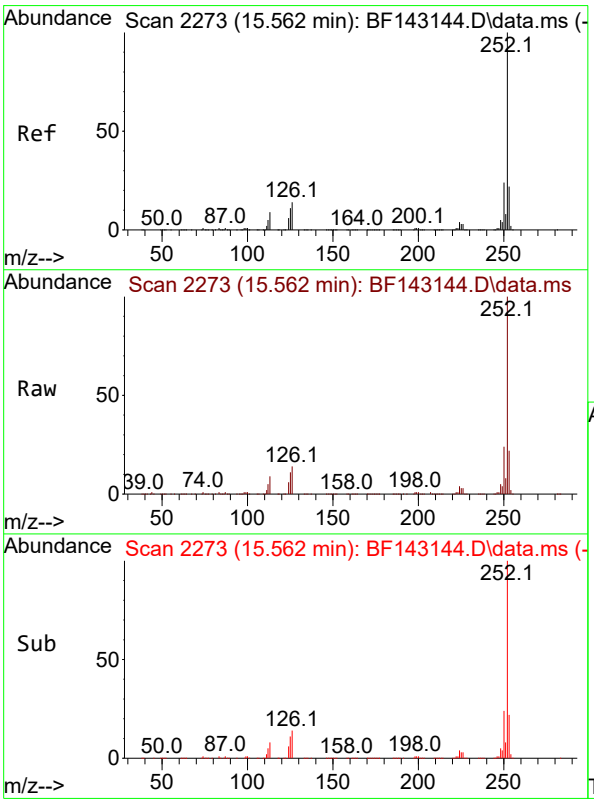
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.1	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

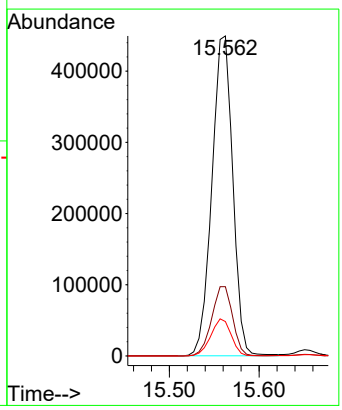
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

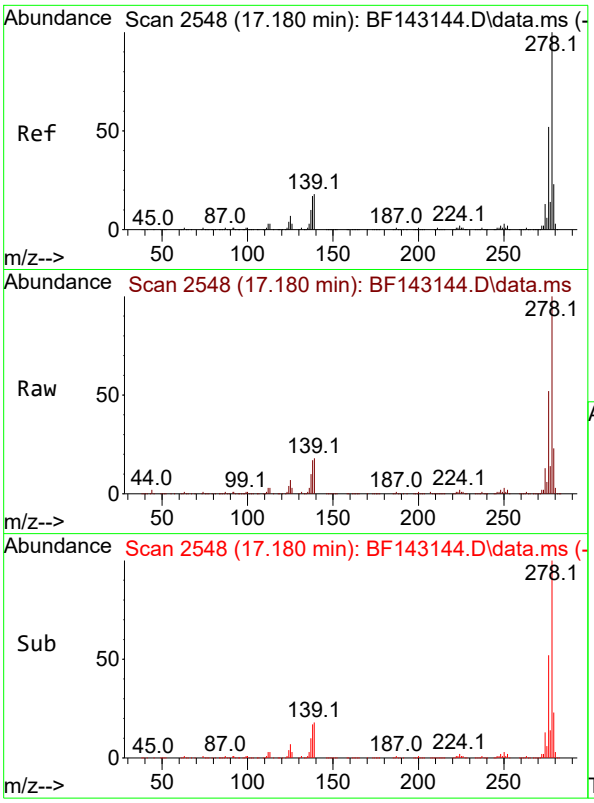


#90
Benzo(a)pyrene
Concen: 39.826 ng
RT: 15.562 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 725344

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	10.8	8.6	13.0

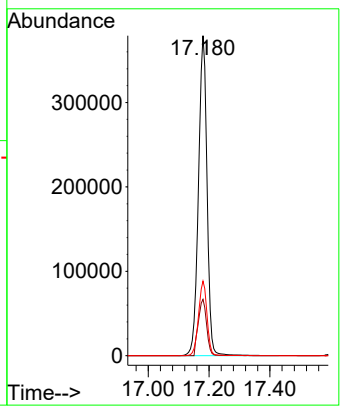




#91
Dibenzo(a,h)anthracene
Concen: 39.964 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:278 Resp: 74218

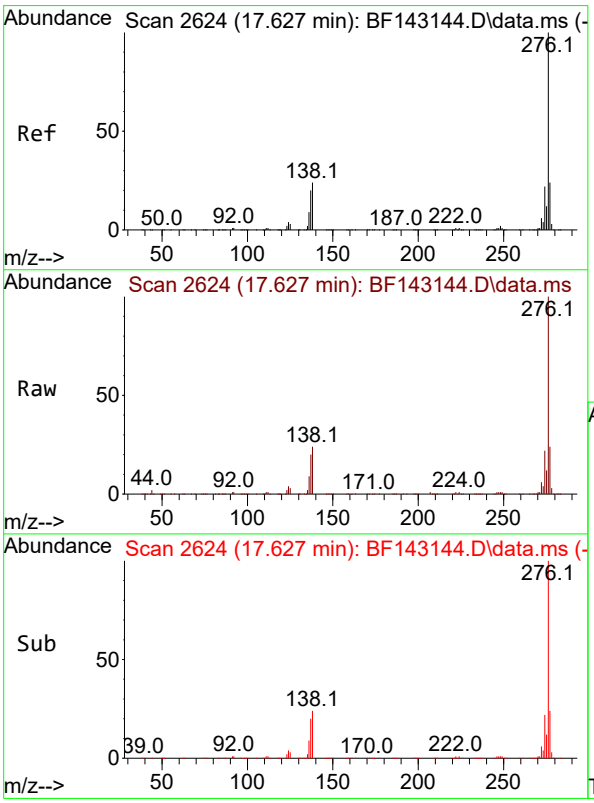
Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.1	21.1
279	23.3	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

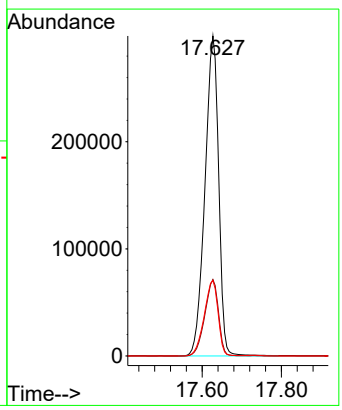
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 39.949 ng
RT: 17.627 min Scan# 2624
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:276 Resp: 717648

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	23.6	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143145.D
Acq On : 17 Jul 2025 13:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	144385	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	555536	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	283657	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	447089	20.000	ng		0.00
76) Chrysene-d12	14.121	240	247878	20.000	ng		0.00
86) Perylene-d12	15.621	264	282289	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	927268	101.629	ng		0.00
7) Phenol-d6	6.587	99	1178468	102.615	ng		0.00
23) Nitrobenzene-d5	7.528	82	1158494	103.949	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	309465	105.607	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	2005894	96.712	ng		0.00
79) Terphenyl-d14	13.068	244	1663033	99.838	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	225749	52.289	ng		100
3) Pyridine	3.587	79	584060	52.122	ng		99
4) n-Nitrosodimethylamine	3.534	42	307202	53.098	ng		100
6) Aniline	6.628	93	827275	51.687	ng		100
8) 2-Chlorophenol	6.751	128	493989	51.652	ng		98
9) Benzaldehyde	6.516	77	509476	59.162	ng		99
10) Phenol	6.598	94	645540m	51.598	ng		
11) bis(2-Chloroethyl)ether	6.698	93	491371	51.295	ng		99
12) 1,3-Dichlorobenzene	6.910	146	529202	50.937	ng		99
13) 1,4-Dichlorobenzene	6.981	146	531696	50.818	ng		99
14) 1,2-Dichlorobenzene	7.134	146	510140	51.264	ng		100
15) Benzyl Alcohol	7.098	79	461379	52.616	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	908530	51.128	ng		99
17) 2-Methylphenol	7.204	107	418793	52.079	ng		100
18) Hexachloroethane	7.481	117	189394	52.289	ng		99
19) n-Nitroso-di-n-propyla...	7.381	70	369367	50.131	ng		99
20) 3+4-Methylphenols	7.363	107	506069	51.870	ng	#	89
22) Acetophenone	7.369	105	661017	50.258	ng		98
24) Nitrobenzene	7.545	77	538666	51.843	ng		100
25) Isophorone	7.786	82	1018783	51.783	ng		99
26) 2-Nitrophenol	7.857	139	252169	55.920	ng		98
27) 2,4-Dimethylphenol	7.892	122	469819	51.112	ng		100
28) bis(2-Chloroethoxy)met...	7.986	93	597241	50.631	ng		100
29) 2,4-Dichlorophenol	8.098	162	401336	51.773	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	420763	50.242	ng		99
31) Naphthalene	8.269	128	1369627	50.060	ng		100
32) Benzoic acid	7.998	122	273361m	52.352	ng		
33) 4-Chloroaniline	8.310	127	566422	50.703	ng		99
34) Hexachlorobutadiene	8.392	225	260787	50.976	ng		99
35) Caprolactam	8.680	113	126050	53.811	ng		96
36) 4-Chloro-3-methylphenol	8.786	107	431745	51.242	ng		98
37) 2-Methylnaphthalene	8.957	142	837820	50.324	ng		100
38) 1-Methylnaphthalene	9.057	142	862300	50.298	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	412916	50.420	ng		100
41) Hexachlorocyclopentadiene	9.116	237	286805	53.823	ng		99
43) 2,4,6-Trichlorophenol	9.228	196	304466	53.718	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143145.D
Acq On : 17 Jul 2025 13:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	291607	51.434	ng	99
46) 1,1'-Biphenyl	9.422	154	1101317	49.764	ng	99
47) 2-Chloronaphthalene	9.445	162	826749	50.488	ng	100
48) 2-Nitroaniline	9.533	65	281082	54.736	ng	99
49) Acenaphthylene	9.863	152	1388721	50.605	ng	100
50) Dimethylphthalate	9.716	163	939863	50.832	ng	100
51) 2,6-Dinitrotoluene	9.775	165	205147	54.541	ng	98
52) Acenaphthene	10.033	154	818783	50.481	ng	100
53) 3-Nitroaniline	9.945	138	236959	53.861	ng	99
54) 2,4-Dinitrophenol	10.045	184	81983	50.750	ng	98
55) Dibenzofuran	10.204	168	1204088	50.001	ng	99
56) 4-Nitrophenol	10.086	139	177408	54.001	ng	98
57) 2,4-Dinitrotoluene	10.180	165	264045	55.954	ng	95
58) Fluorene	10.551	166	891646	49.335	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	248745	52.965	ng	100
60) Diethylphthalate	10.416	149	942625	51.580	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	449168	49.911	ng	99
62) 4-Nitroaniline	10.557	138	205210	54.424	ng	99
63) Azobenzene	10.698	77	966931	50.766	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	122876	51.927	ng	100
66) n-Nitrosodiphenylamine	10.657	169	811422	51.540	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	275679	51.741	ng	98
68) Hexachlorobenzene	11.098	284	288405	51.788	ng	100
69) Atrazine	11.180	200	232907	53.662	ng	99
70) Pentachlorophenol	11.286	266	178753	54.581	ng	99
71) Phenanthrene	11.510	178	1194582	50.321	ng	100
72) Anthracene	11.563	178	1223920	50.552	ng	100
73) Carbazole	11.710	167	1076803	50.934	ng	100
74) Di-n-butylphthalate	12.045	149	1250841	52.290	ng	100
75) Fluoranthene	12.698	202	1093890	50.203	ng	100
77) Benzidine	12.810	184	431944	45.229	ng	100
78) Pyrene	12.927	202	1078520	50.982	ng	100
80) Butylbenzylphthalate	13.539	149	360698	55.681	ng	98
81) Benzo(a)anthracene	14.110	228	880975	53.085	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	294836	53.305	ng	99
83) Chrysene	14.151	228	754953	50.597	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	534128	54.475	ng	100
85) Di-n-octyl phthalate	14.715	149	960309	54.032	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	1061877	53.347	ng	99
88) Benzo(b)fluoranthene	15.180	252	953990	55.319	ng	100
89) Benzo(k)fluoranthene	15.209	252	754417	49.024	ng	99
90) Benzo(a)pyrene	15.562	252	840968	52.928	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	861467	53.172	ng	99
92) Benzo(g,h,i)perylene	17.633	276	843865	53.845	ng	100

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

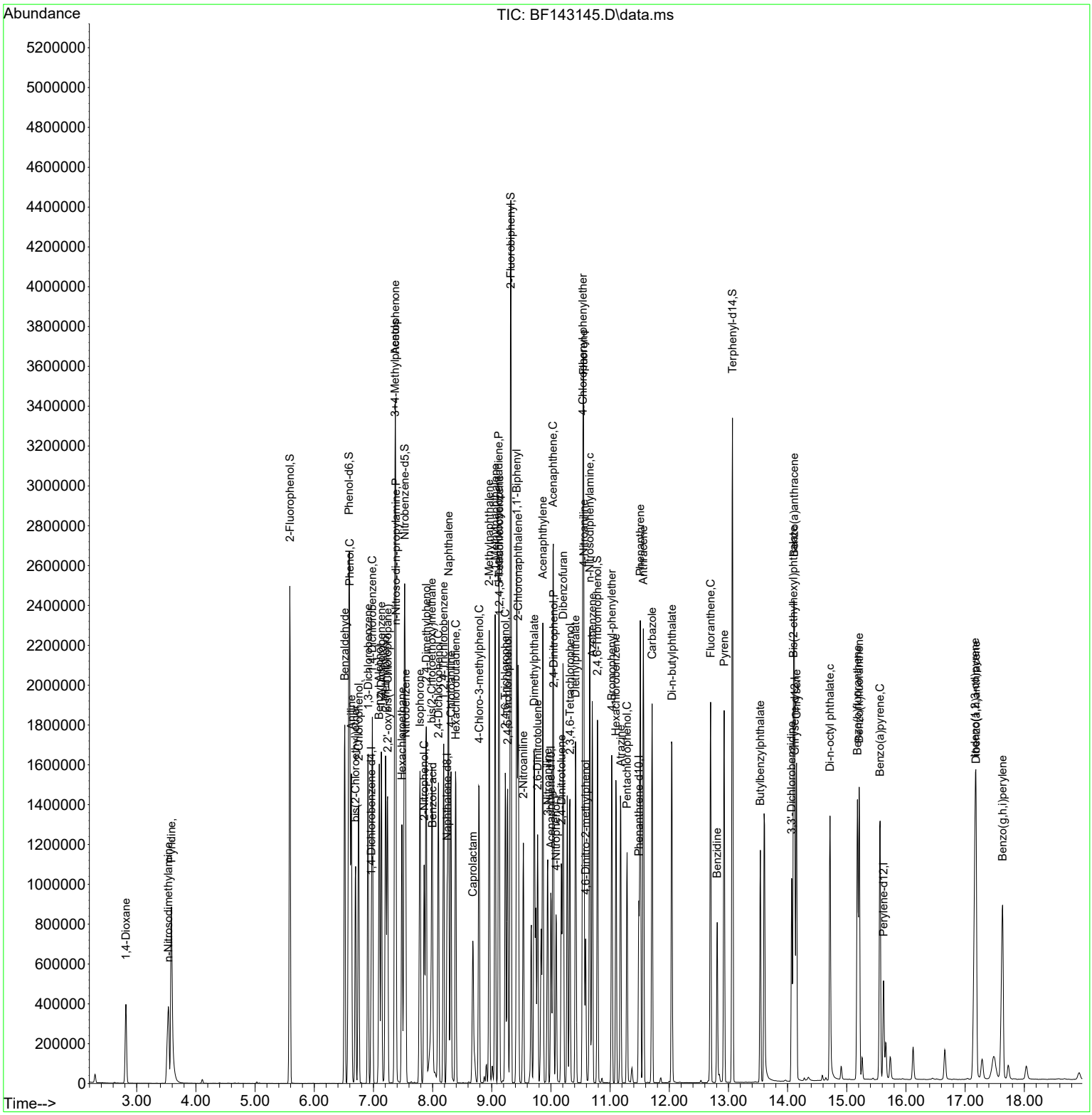
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143145.D
Acq On : 17 Jul 2025 13:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

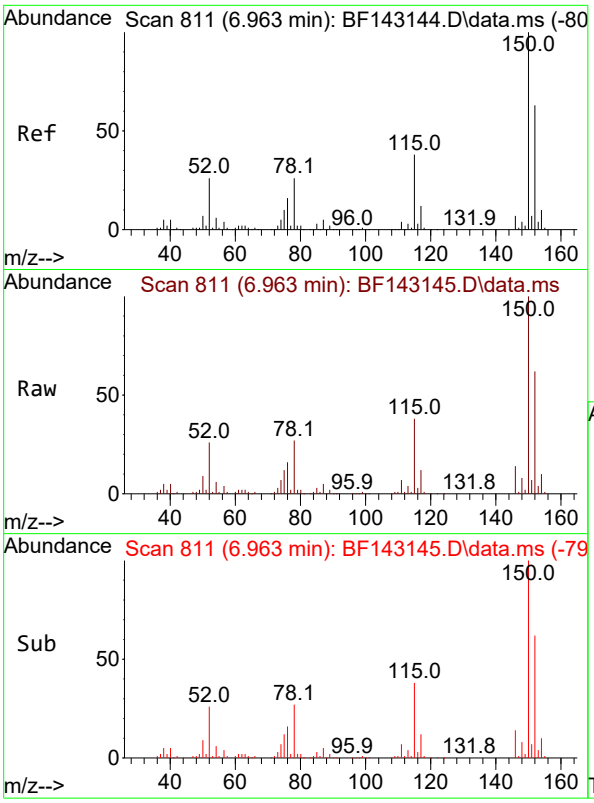
Quant Time: Jul 17 15:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

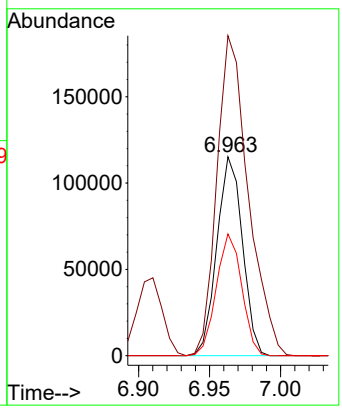




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:152 Resp: 14438

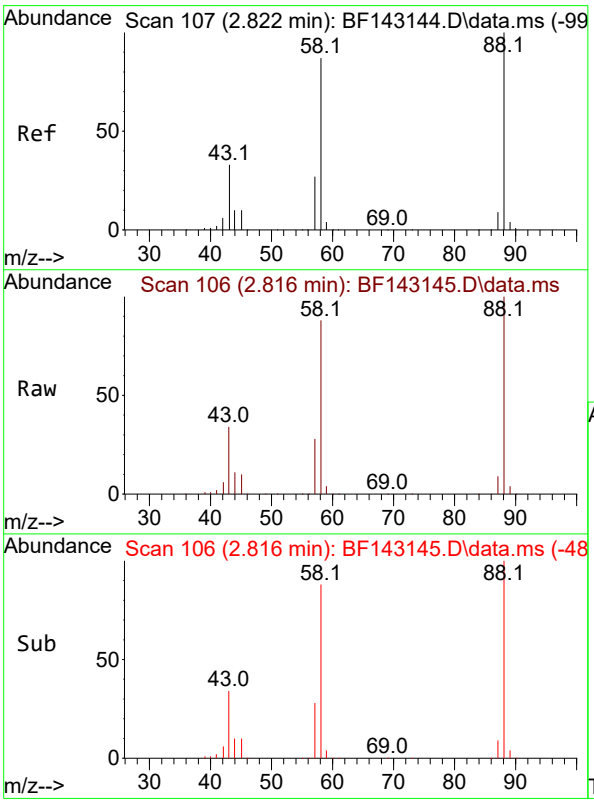
Ion	Ratio	Lower	Upper
152	100		
150	160.9	128.2	192.4
115	61.2	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

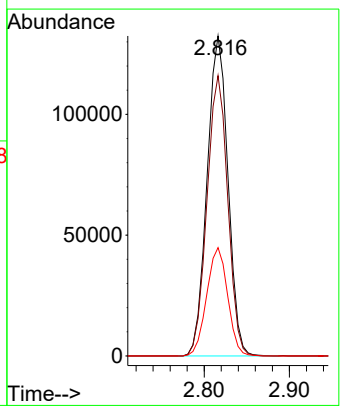
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

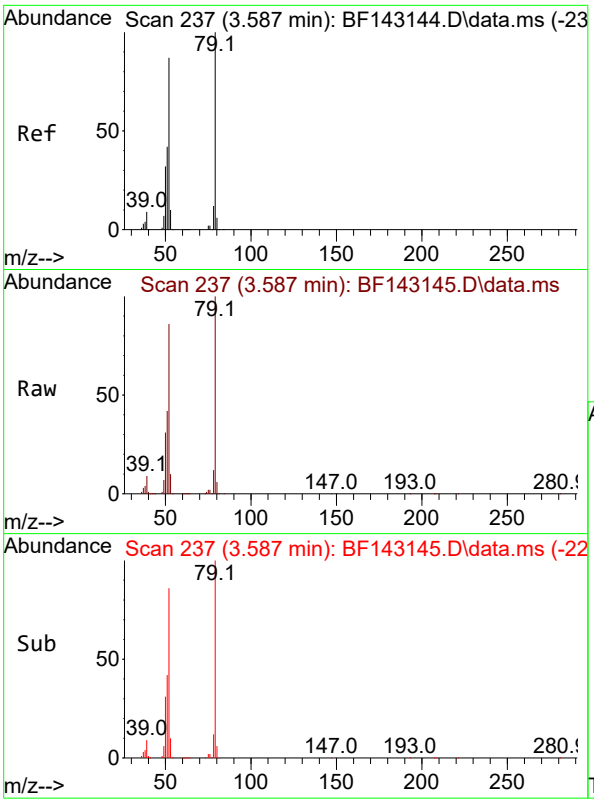


#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 88 Resp: 225749

Ion	Ratio	Lower	Upper
88	100		
58	87.3	70.2	105.2
43	34.0	27.1	40.7

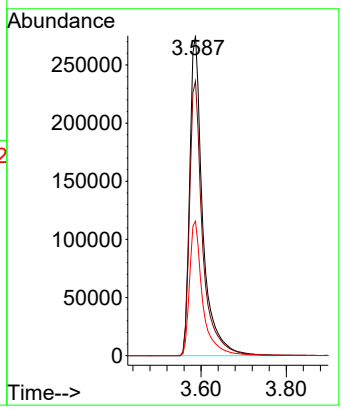




#3
Pyridine
Concen: 52.122 ng
RT: 3.587 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 79 Resp: 58406

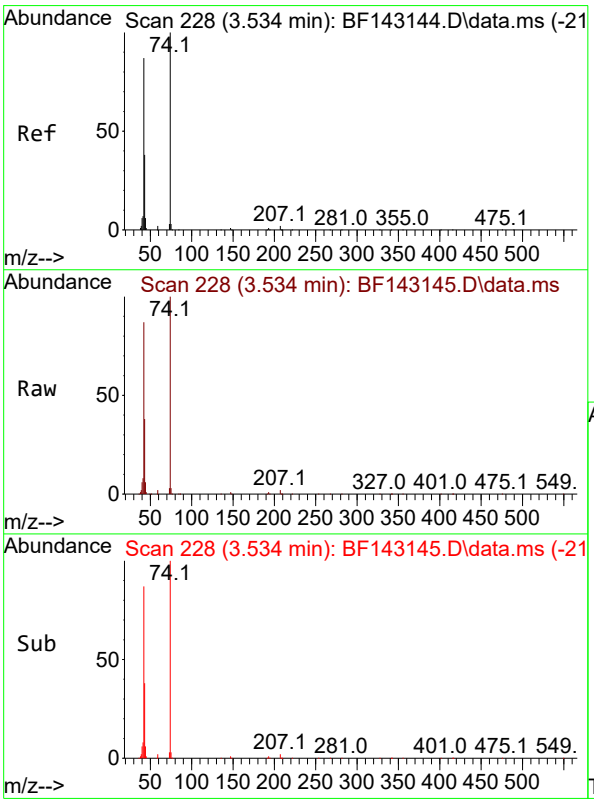
Ion	Ratio	Lower	Upper
79	100		
52	85.8	69.4	104.2
51	42.0	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

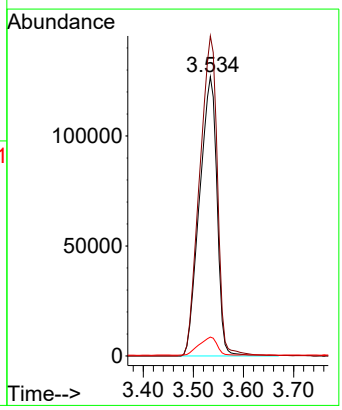
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

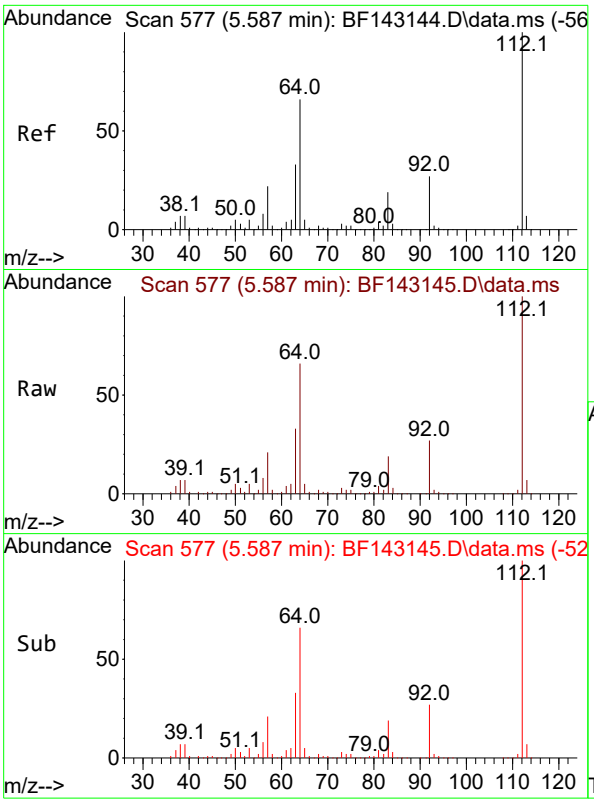


#4
n-Nitrosodimethylamine
Concen: 53.098 ng
RT: 3.534 min Scan# 228
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 42 Resp: 307202

Ion	Ratio	Lower	Upper
42	100		
74	114.6	91.7	137.5
44	6.8	5.6	8.4





#5
2-Fluorophenol
Concen: 101.629 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

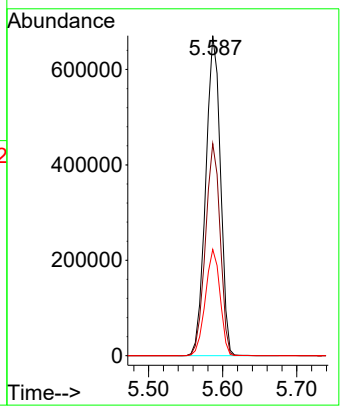
Tgt Ion:112 Resp: 92726

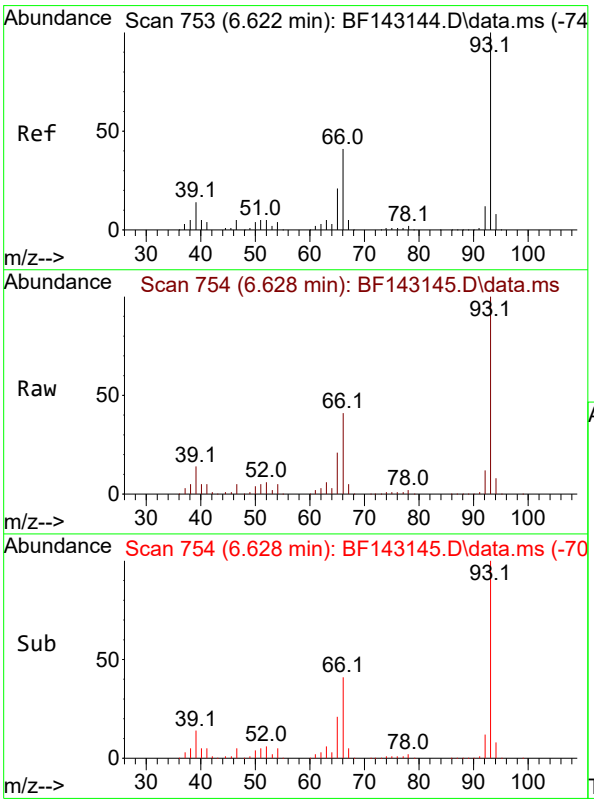
Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.1	79.7
63	33.2	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

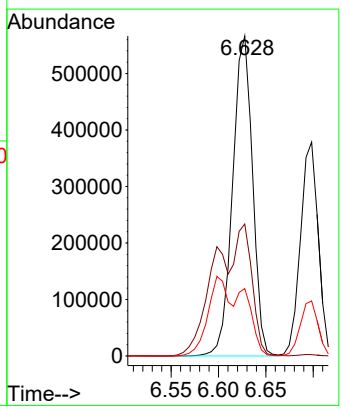


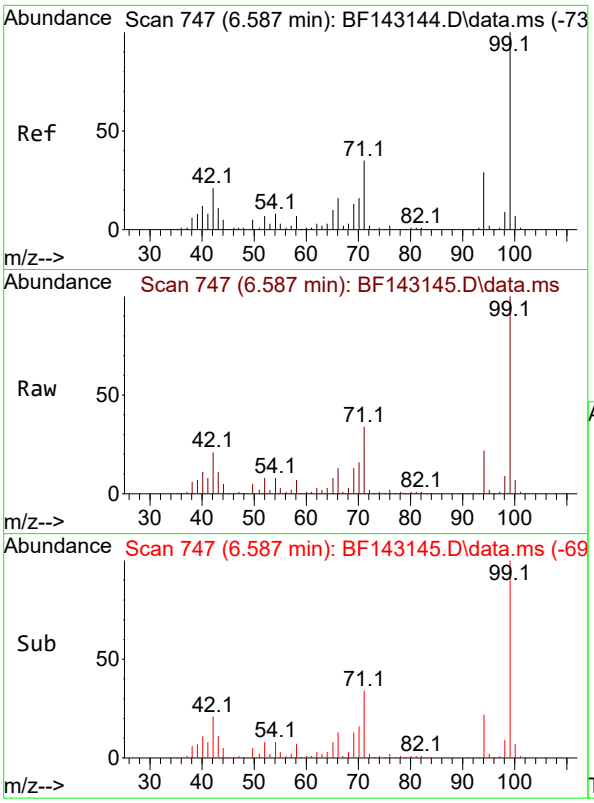


#6
Aniline
Concen: 51.687 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 827275

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.2	49.8
65	21.1	16.9	25.3

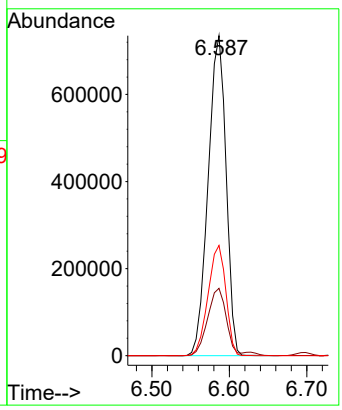




#7
Phenol-d6
Concen: 102.615 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 99 Resp: 117846

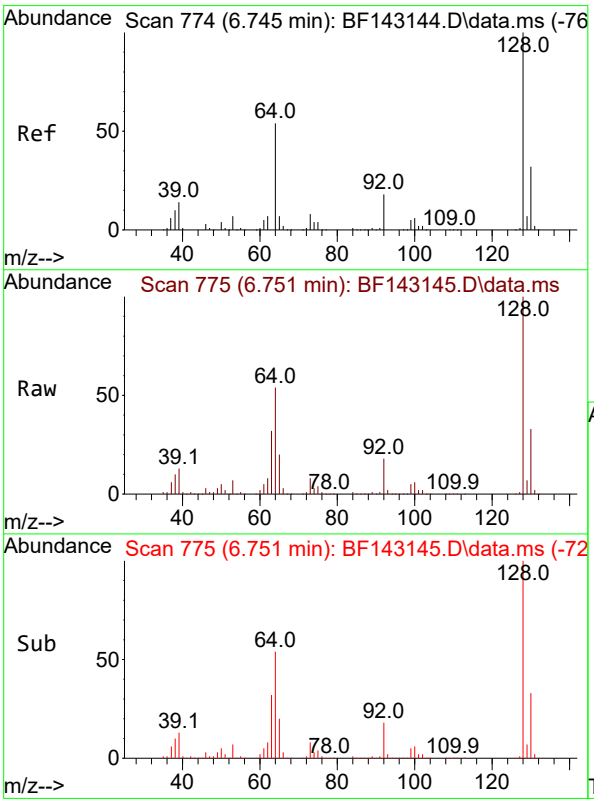
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.4	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

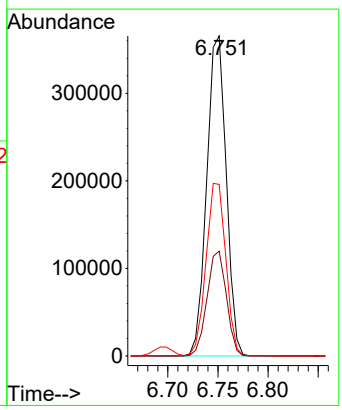
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

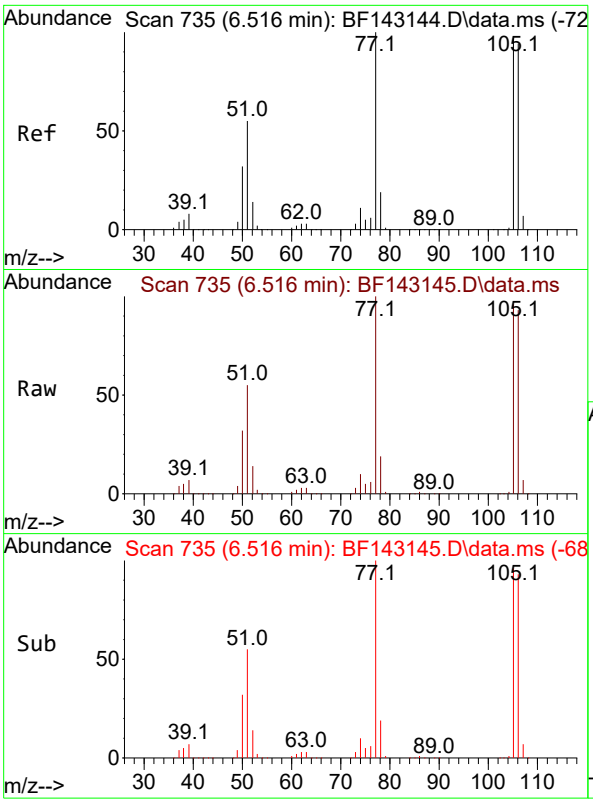


#8
2-Chlorophenol
Concen: 51.652 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:128 Resp: 493989

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	53.6	35.9	75.9

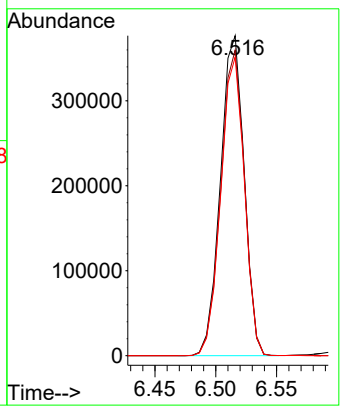




#9
Benzaldehyde
Concen: 59.162 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 77 Resp: 50947

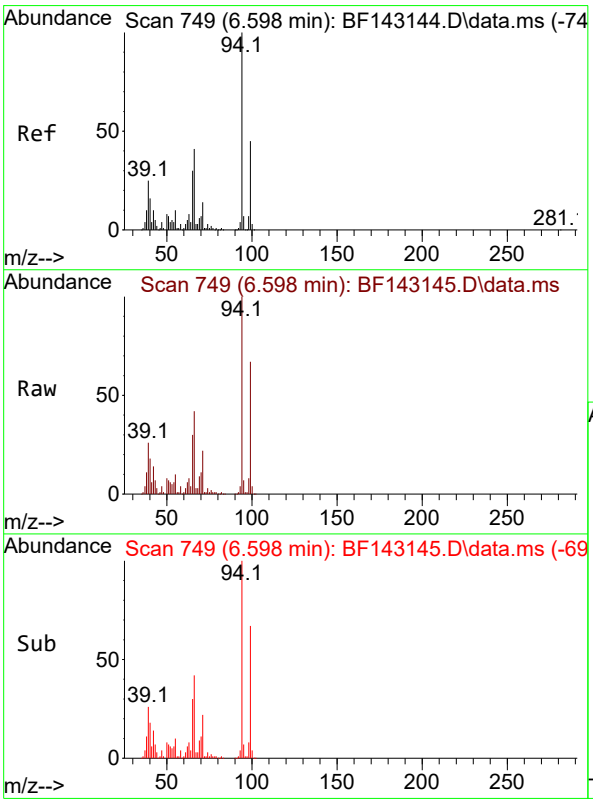
Ion	Ratio	Lower	Upper
77	100		
105	95.5	76.8	116.8
106	93.3	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

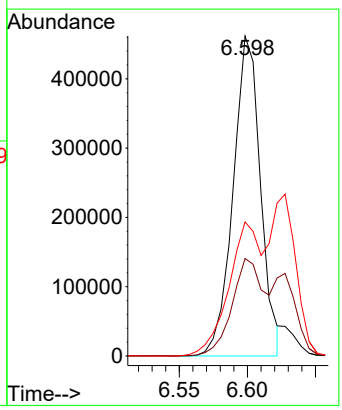
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

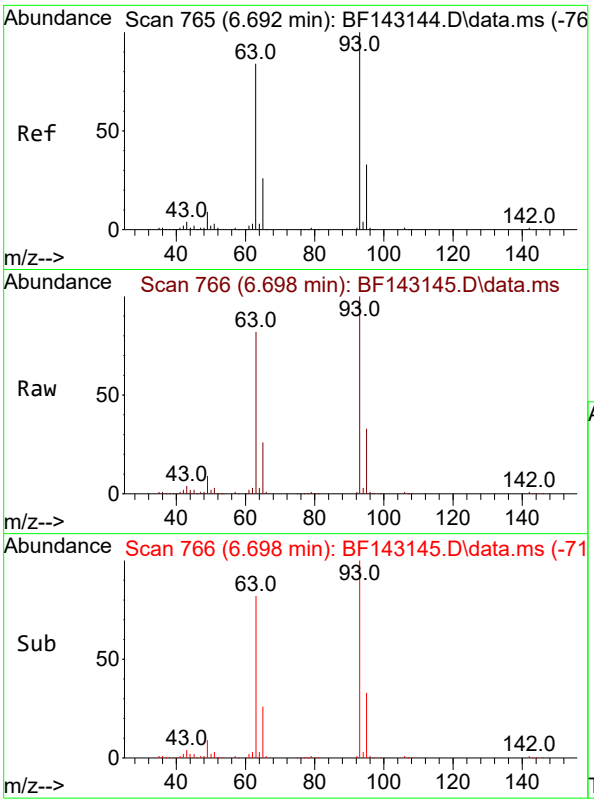


#10
Phenol
Concen: 51.598 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 94 Resp: 645540

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.0	50.0
66	41.9	20.8	60.8

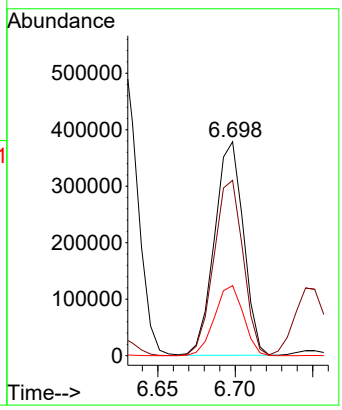




#11
bis(2-Chloroethyl)ether
Concen: 51.295 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 49137

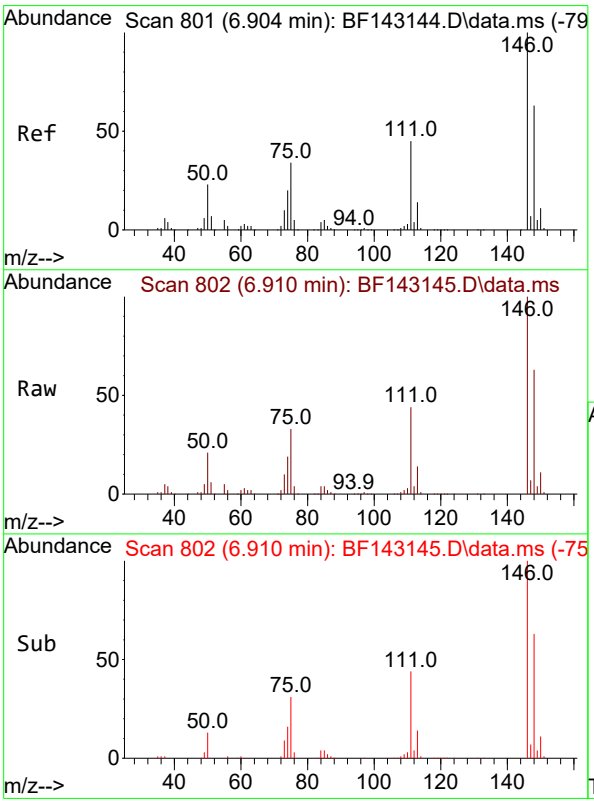
Ion	Ratio	Lower	Upper
93	100		
63	82.0	63.4	103.4
95	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

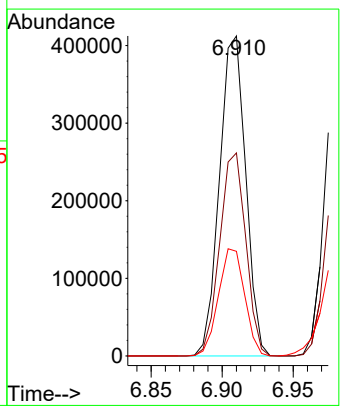
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

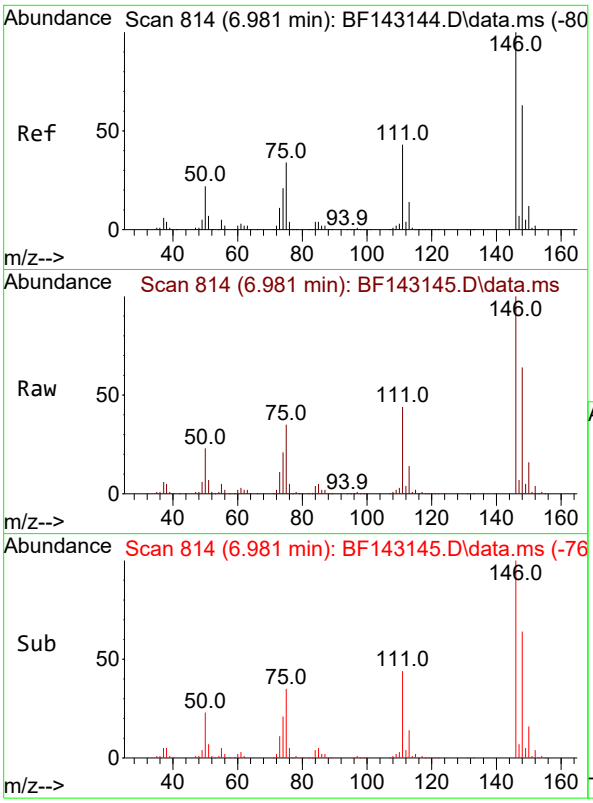


#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 529202

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
75	32.7	27.4	41.2

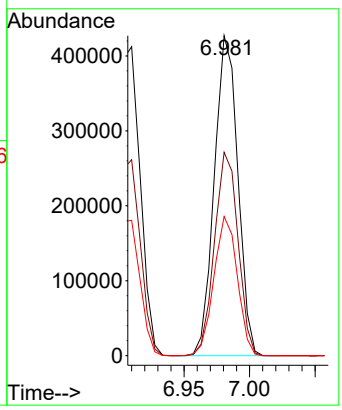




#13
1,4-Dichlorobenzene
Concen: 50.818 ng
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 53169

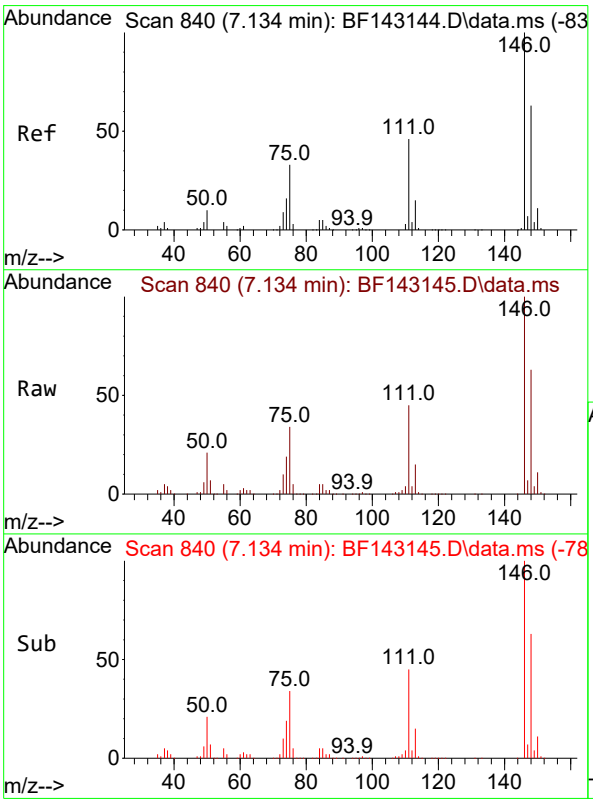
Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.3	75.5
111	43.5	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

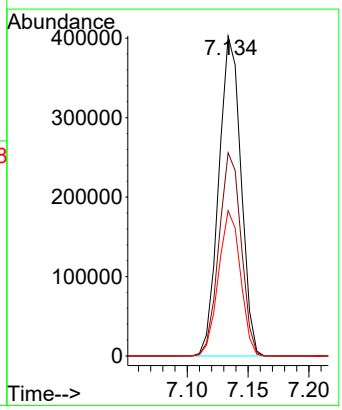
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

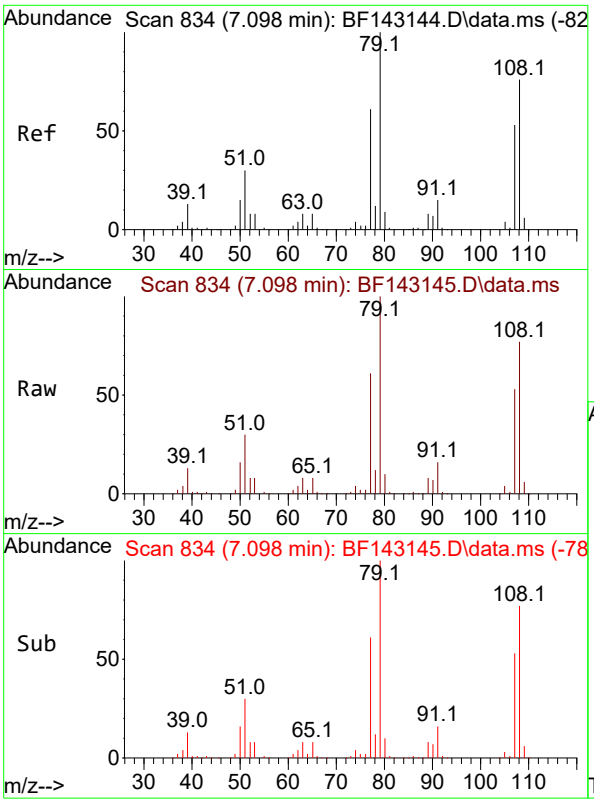


#14
1,2-Dichlorobenzene
Concen: 51.264 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 510140

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.7	76.1
111	45.4	36.6	54.8

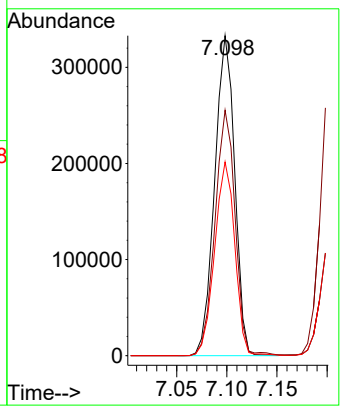




#15
Benzyl Alcohol
Concen: 52.616 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 79 Resp: 46137

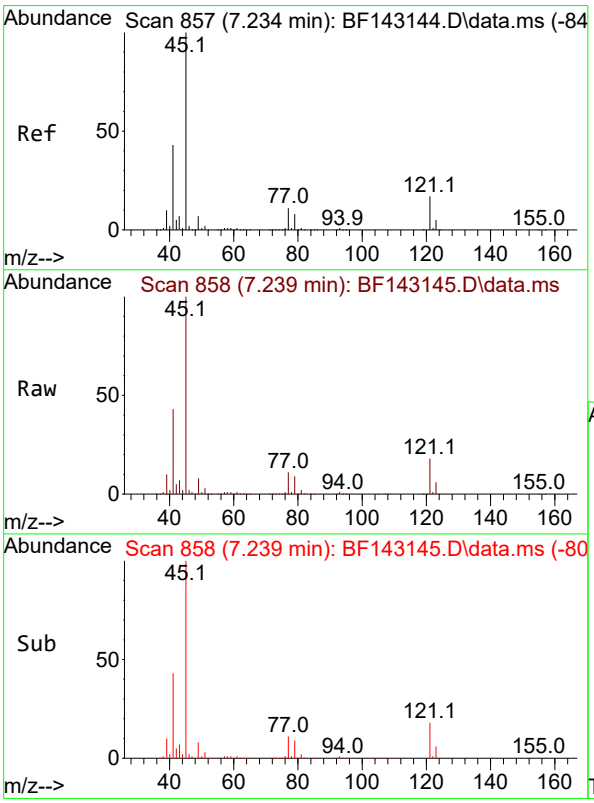
Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.1	91.7
77	60.6	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

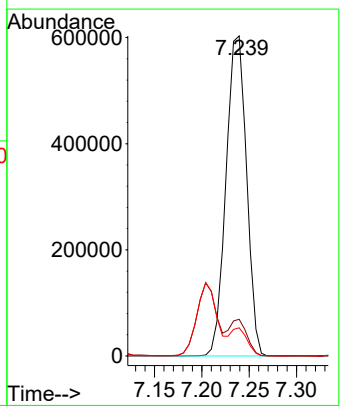
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

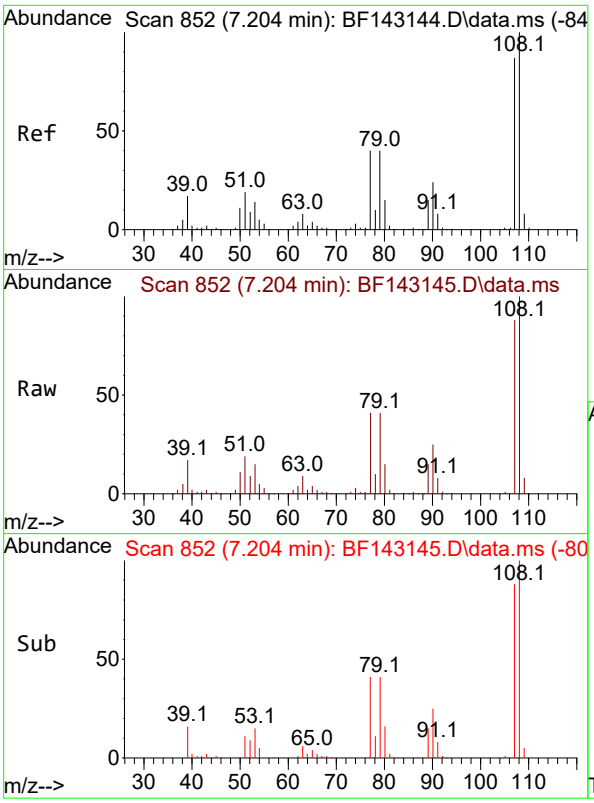


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.128 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 45 Resp: 908530

Ion	Ratio	Lower	Upper
45	100		
77	11.4	0.0	31.2
79	8.8	0.0	28.5

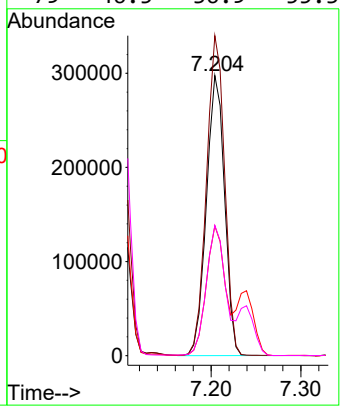




#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:107 Resp: 41879

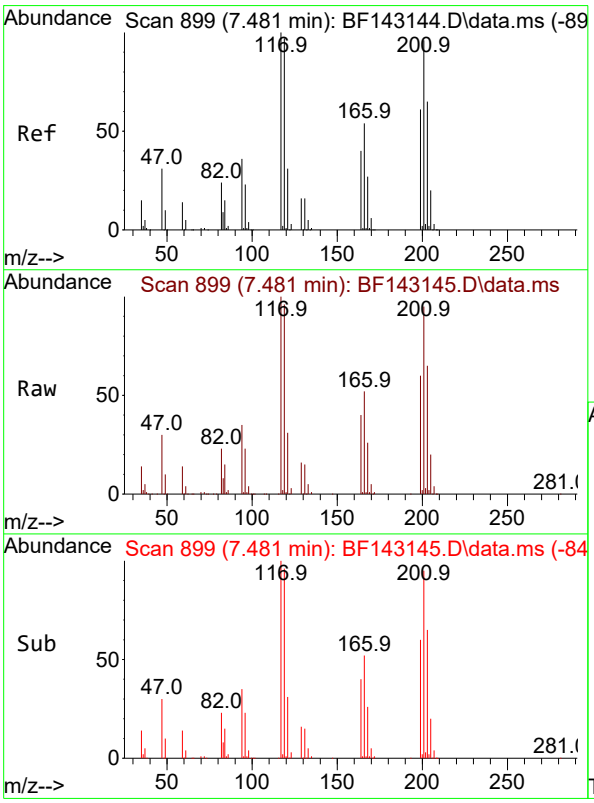
Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.8	137.6
77	46.3	37.0	55.6
79	46.5	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

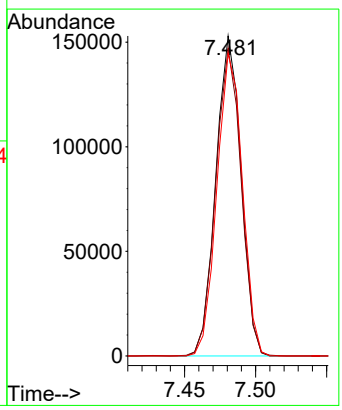
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

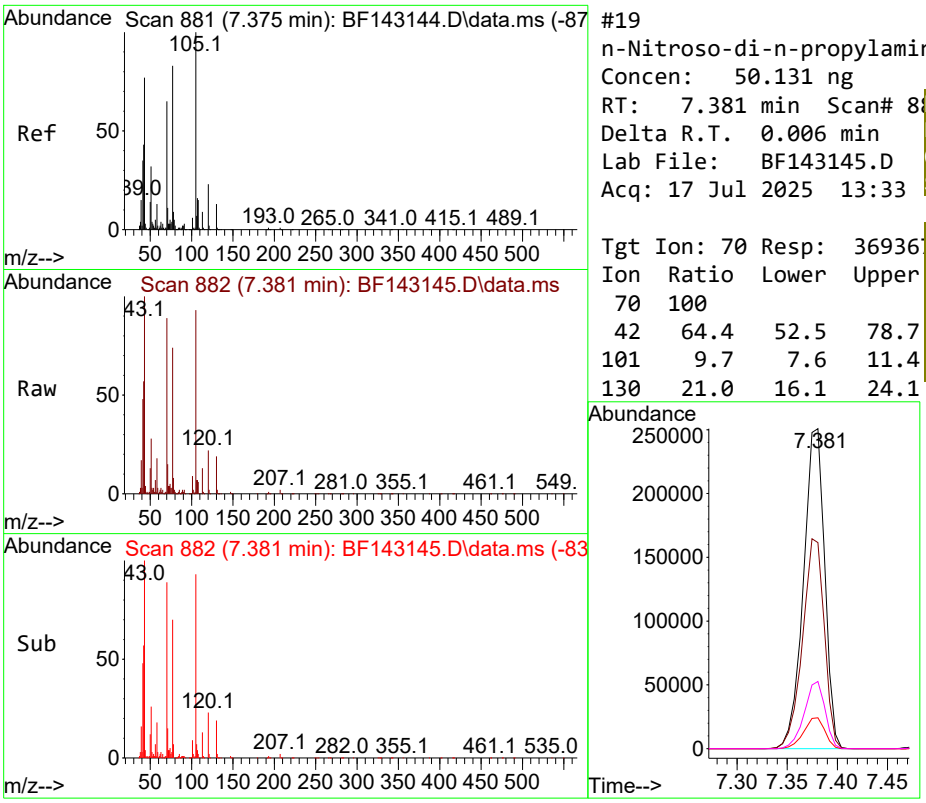


#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:117 Resp: 189394

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.8
201	94.5	77.0	115.4





#19
n-Nitroso-di-n-propylamine
Concen: 50.131 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

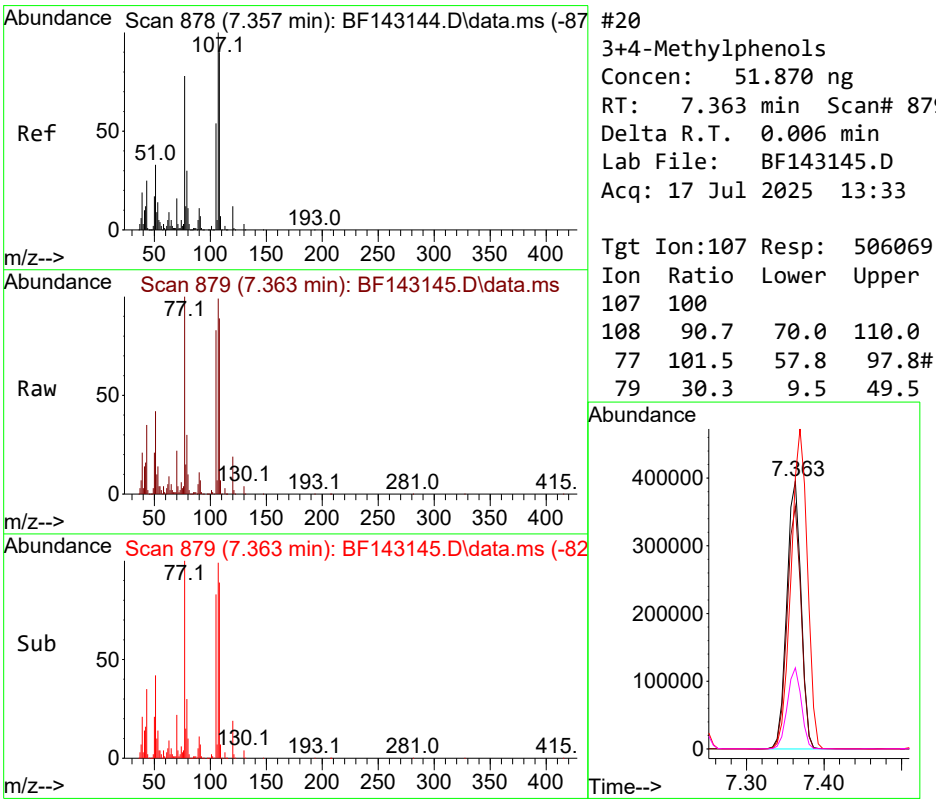
Tgt Ion: 70 Resp: 36936

Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.7	7.6	11.4
130	21.0	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

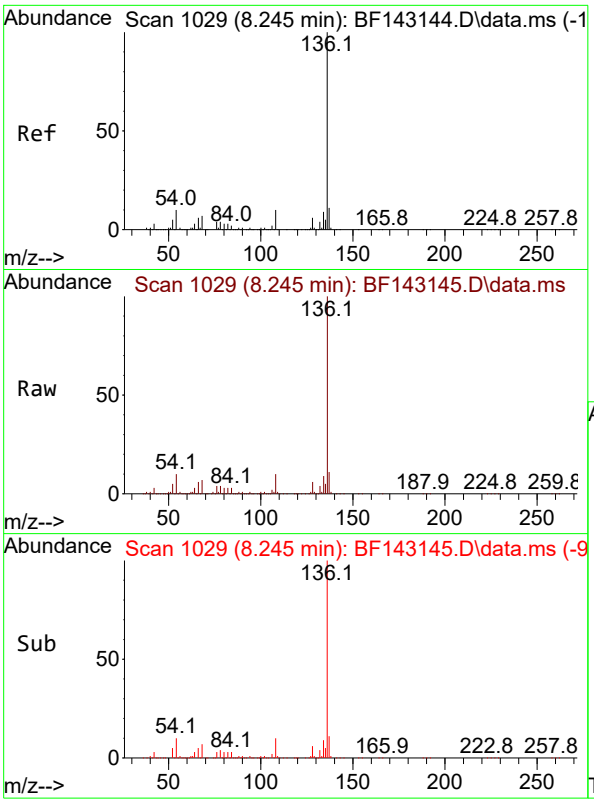
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 51.870 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:107 Resp: 506069

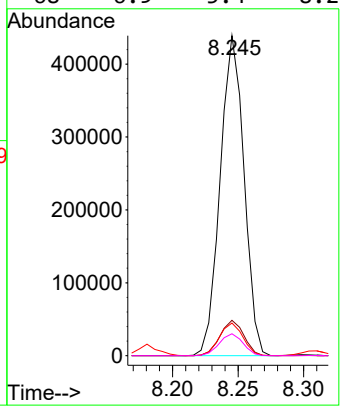
Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.0	110.0
77	101.5	57.8	97.8#
79	30.3	9.5	49.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:136 Resp: 55553

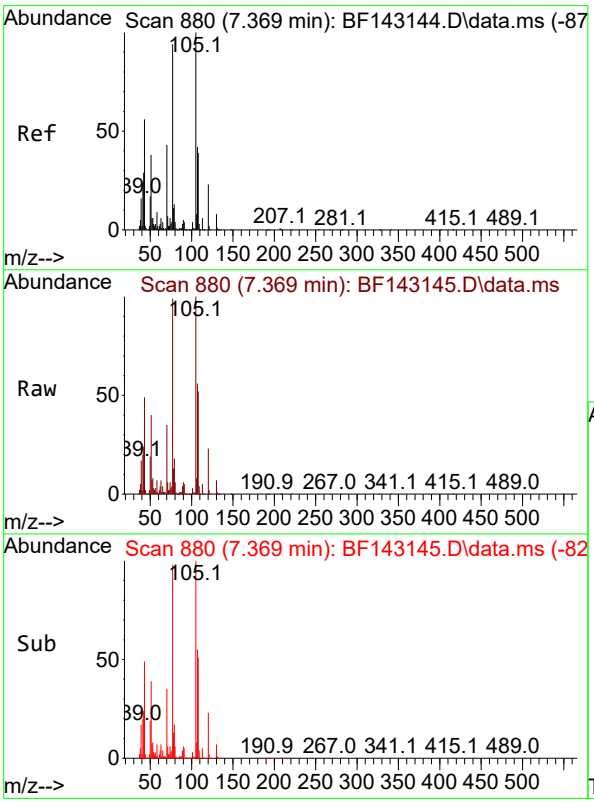
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.2	12.2
68	6.9	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

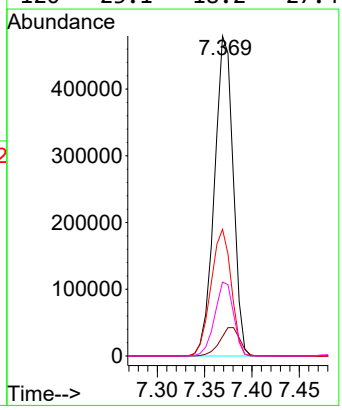
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

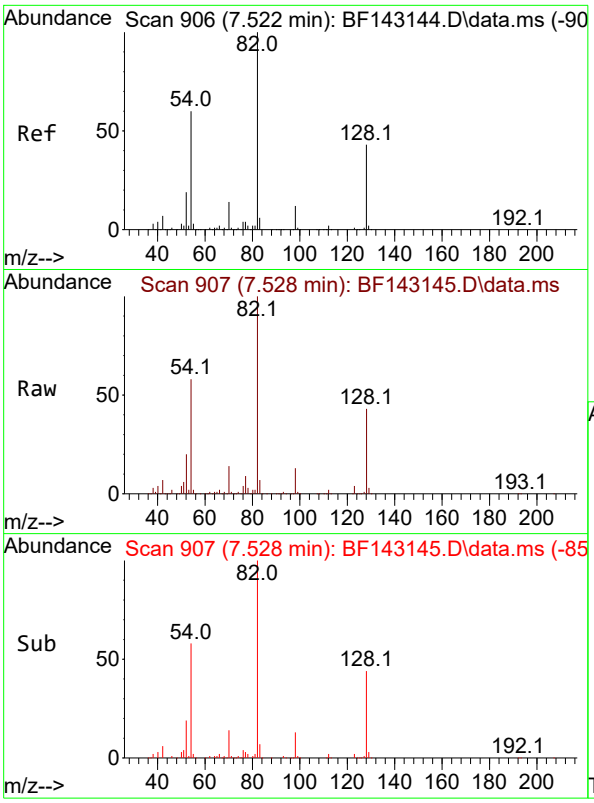


#22
Acetophenone
Concen: 50.258 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:105 Resp: 661017

Ion	Ratio	Lower	Upper
105	100		
71	6.0	5.8	8.6
51	39.6	30.2	45.2
120	23.1	18.2	27.4





#23
Nitrobenzene-d5
Concen: 103.949 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

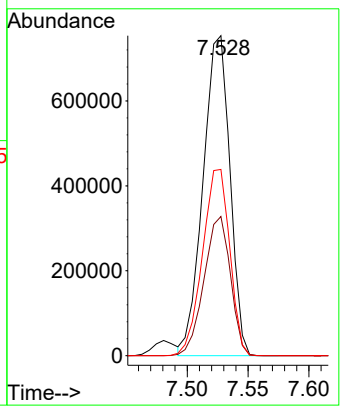
Tgt Ion: 82 Resp: 115849

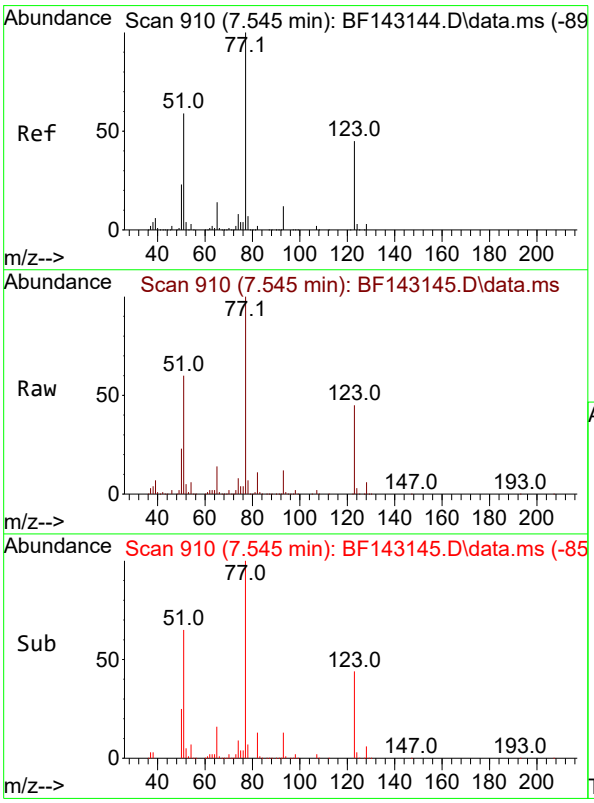
Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.6	50.4
54	58.2	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

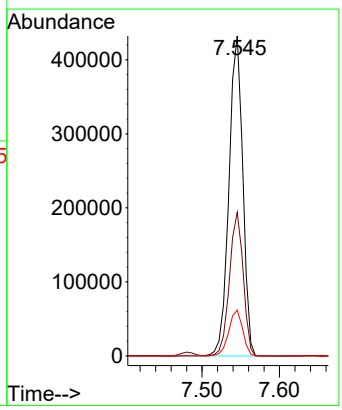


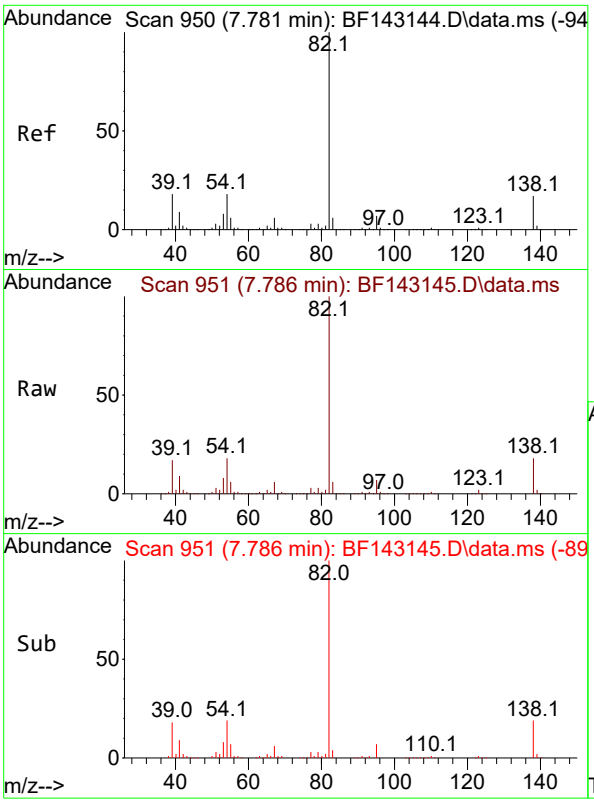


#24
Nitrobenzene
Concen: 51.843 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 77 Resp: 538666

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.1	54.1
65	14.3	11.4	17.2

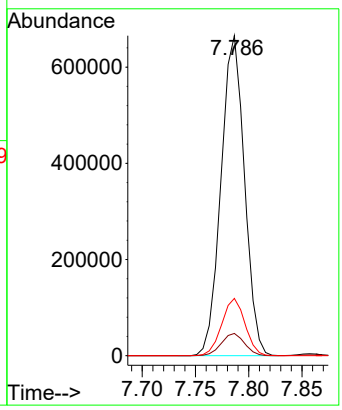




#25
Isophorone
Concen: 51.783 ng
RT: 7.786 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 82 Resp: 101878

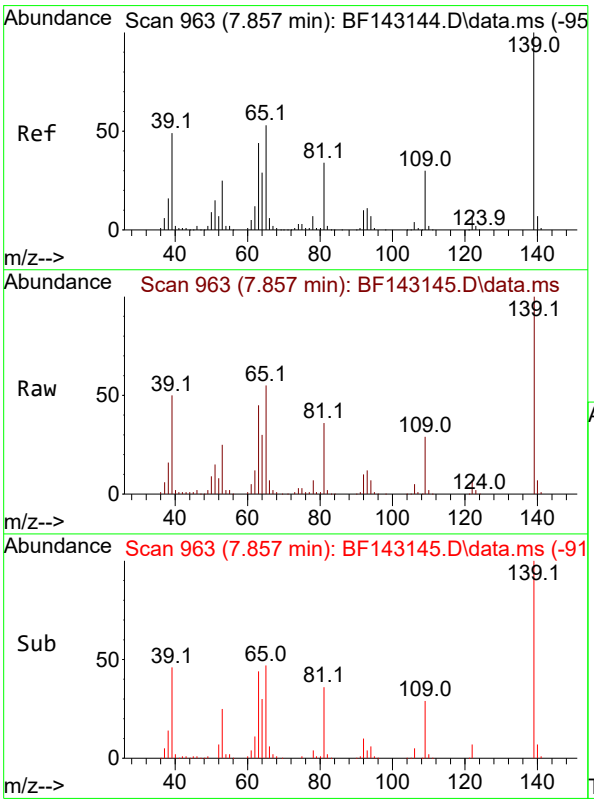
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	17.9	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

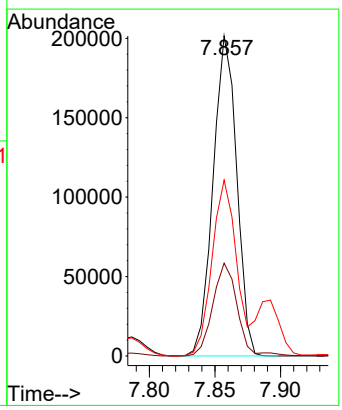
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

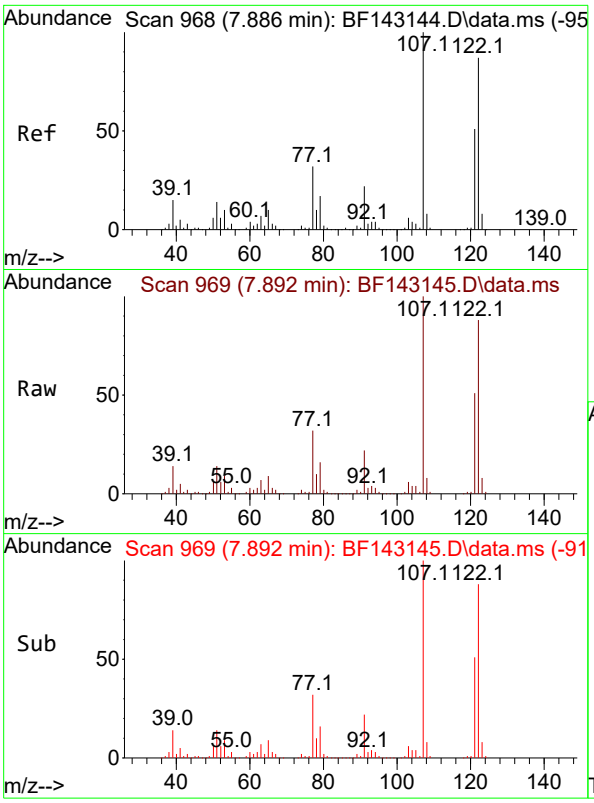


#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 252169

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	55.0	42.6	64.0

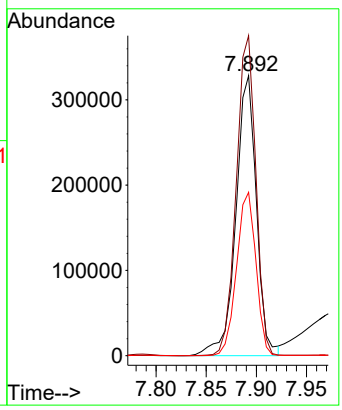




#27
2,4-Dimethylphenol
Concen: 51.112 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:122 Resp: 46981

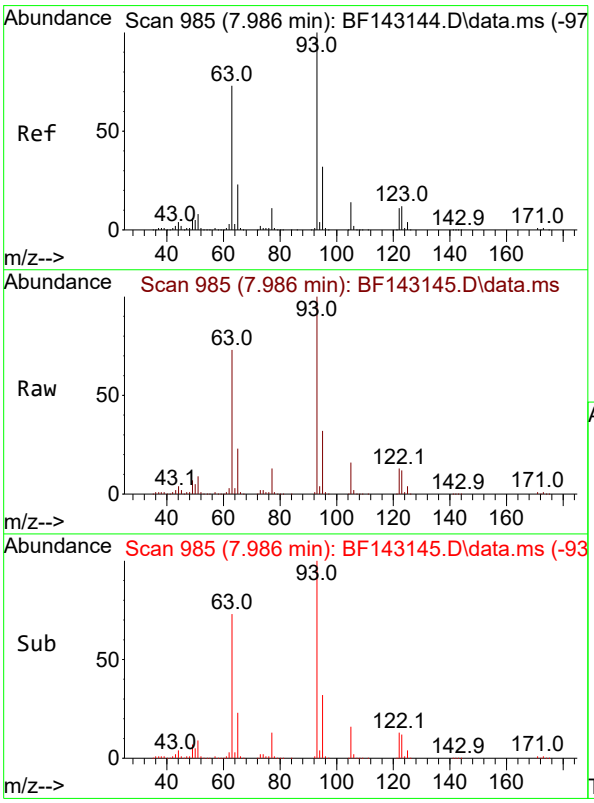
Ion	Ratio	Lower	Upper
122	100		
107	114.3	91.8	137.6
121	58.4	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

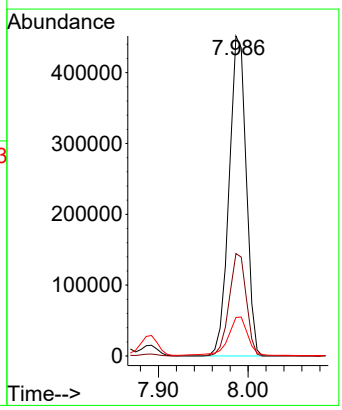
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

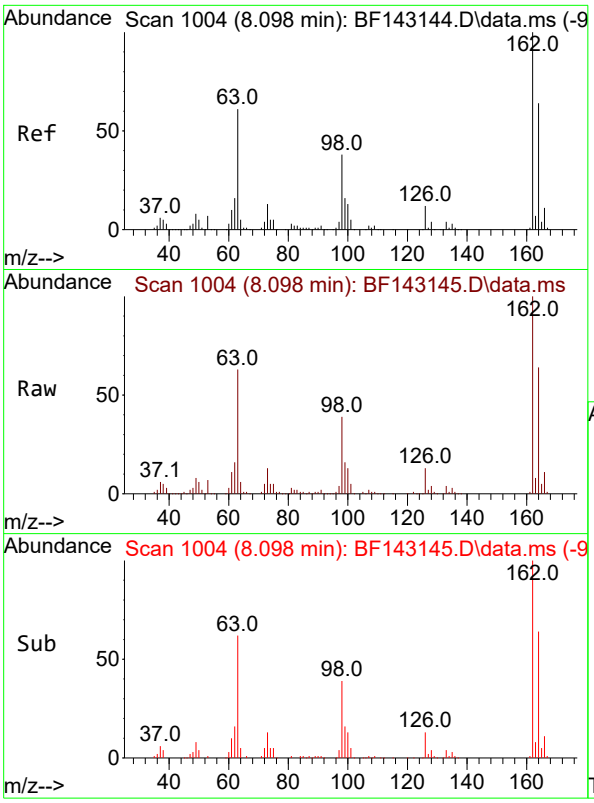


#28
bis(2-Chloroethoxy)methane
Concen: 50.631 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 597241

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.6
123	12.1	9.7	14.5

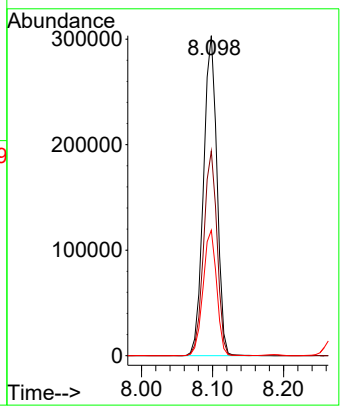




#29
2,4-Dichlorophenol
Concen: 51.773 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:162 Resp: 40133

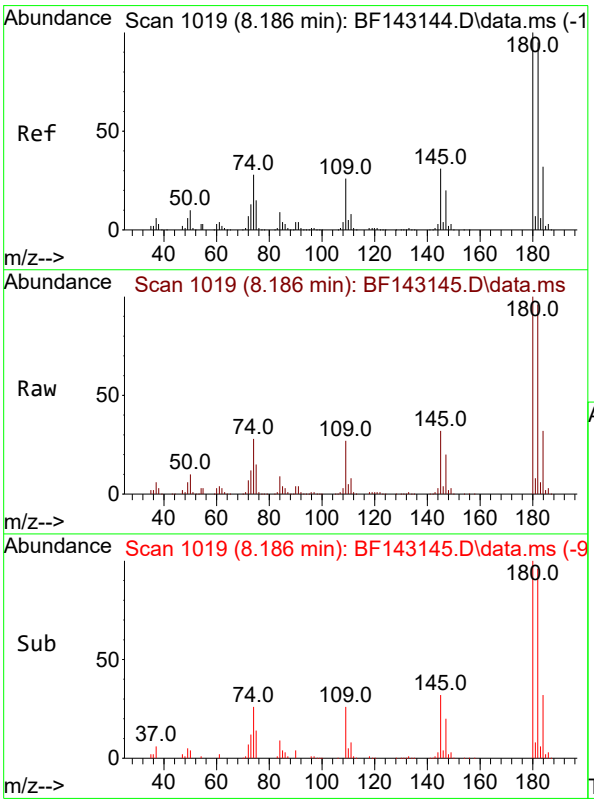
Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.2	84.2
98	39.2	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

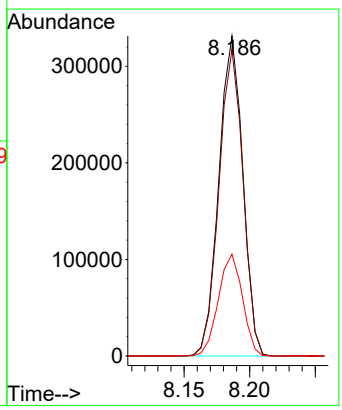
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

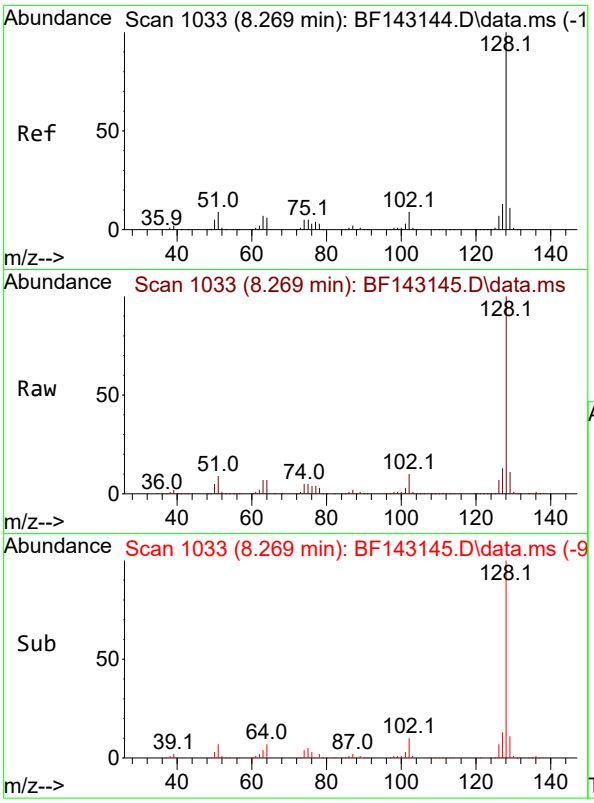


#30
1,2,4-Trichlorobenzene
Concen: 50.242 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:180 Resp: 420763

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.2
145	31.8	25.0	37.6

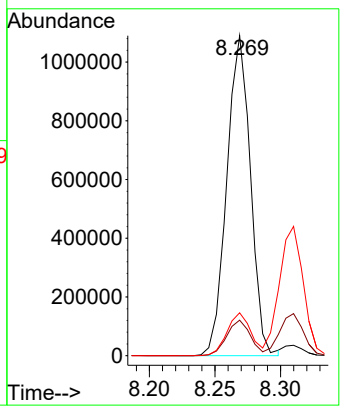




#31
Naphthalene
Concen: 50.060 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:128 Resp: 136962

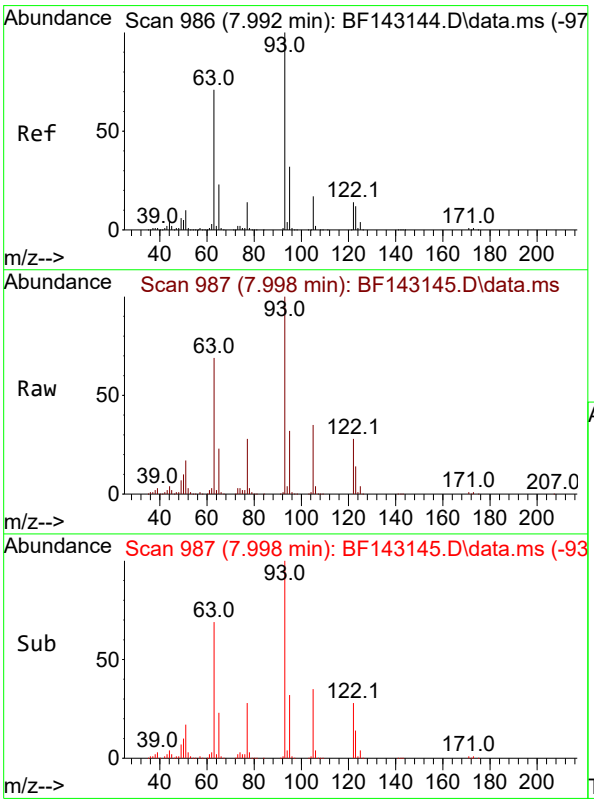
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

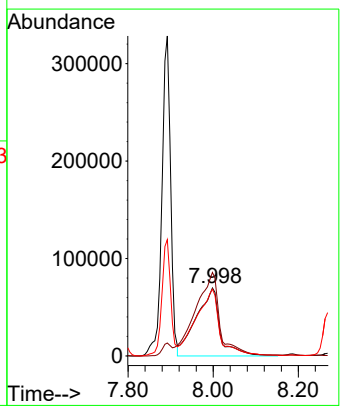
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

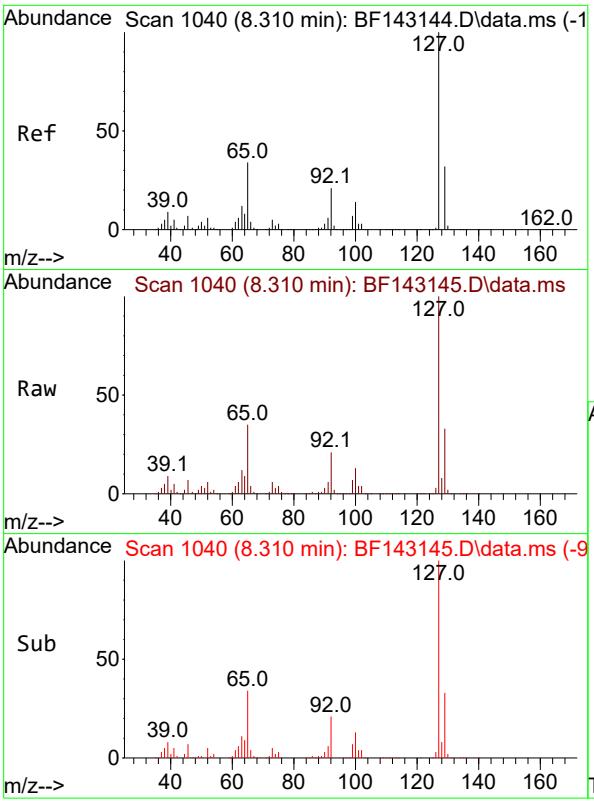


#32
Benzoic acid
Concen: 52.352 ng m
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:122 Resp: 273361

Ion	Ratio	Lower	Upper
122	100		
105	123.0	104.8	144.8
77	98.4	77.6	117.6

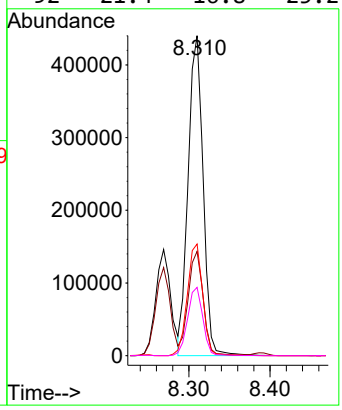




#33
4-Chloroaniline
Concen: 50.703 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:127 Resp: 56642

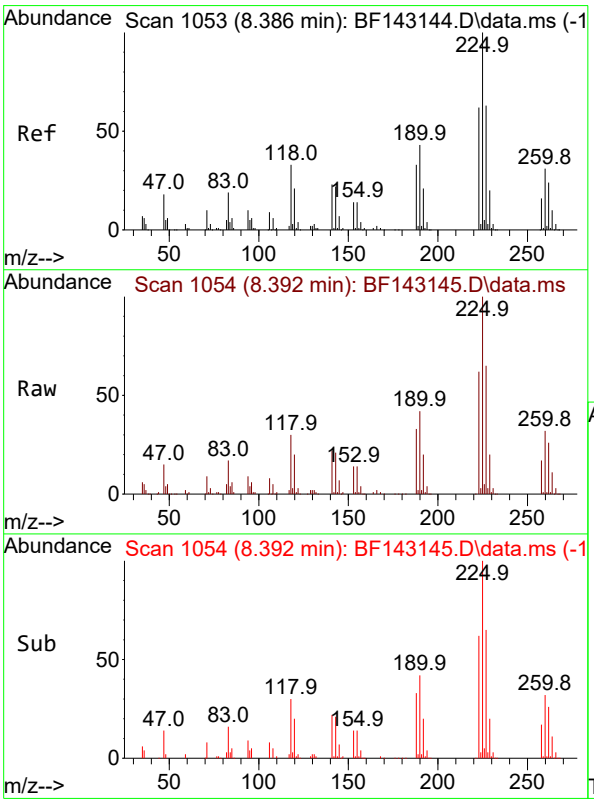
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	34.9	27.4	41.2
92	21.4	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

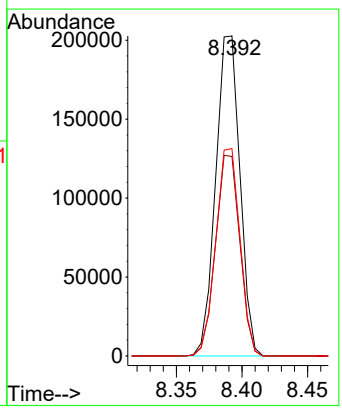
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

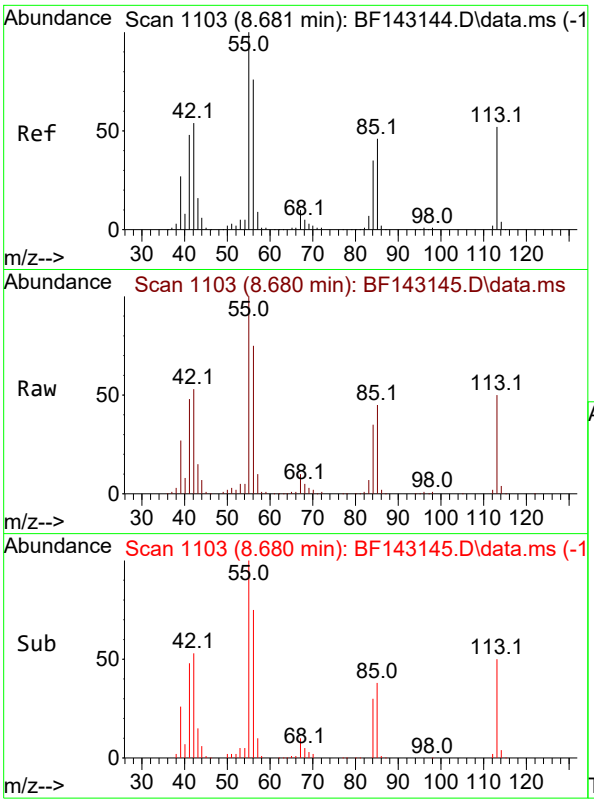


#34
Hexachlorobutadiene
Concen: 50.976 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:225 Resp: 260787

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	64.8	50.2	75.4

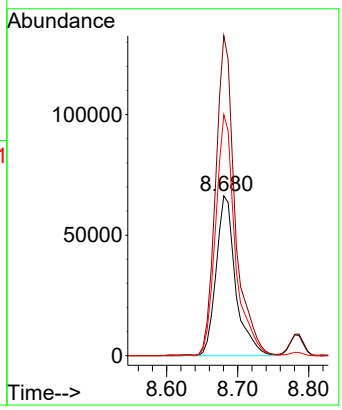




#35
Caprolactam
Concen: 53.811 ng
RT: 8.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:113 Resp: 12605

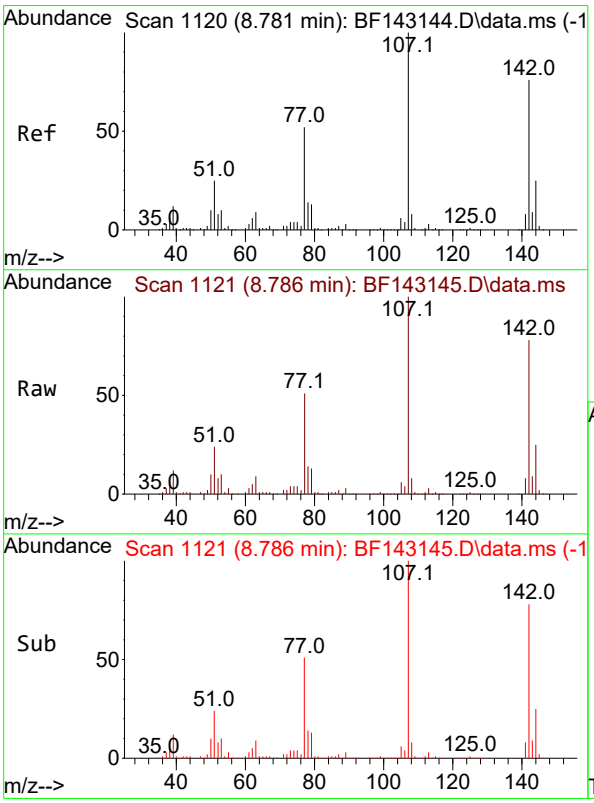
Ion	Ratio	Lower	Upper
113	100		
55	200.3	174.0	214.0
56	150.8	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

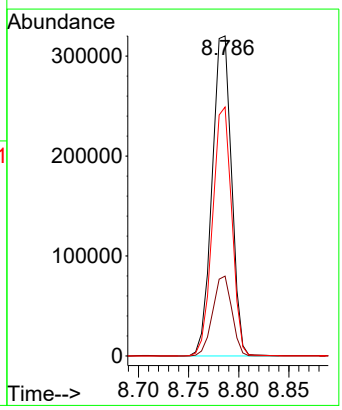
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

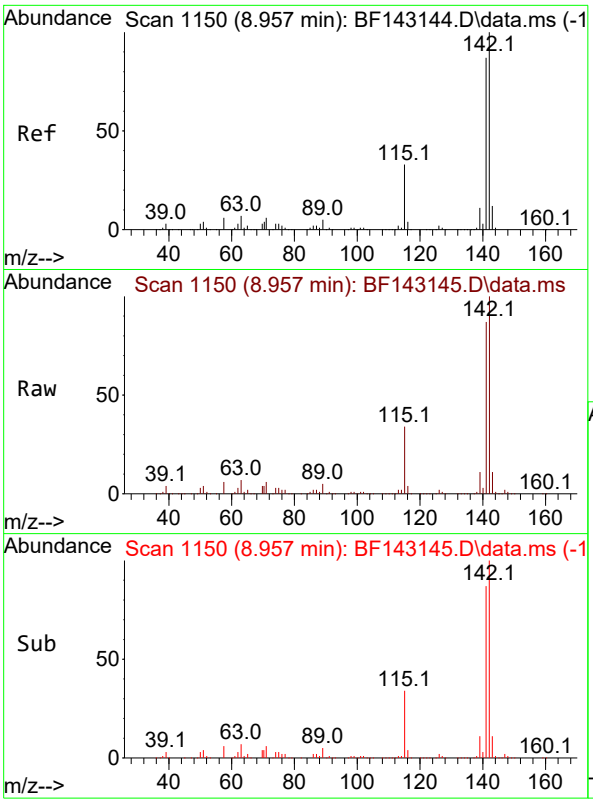


#36
4-Chloro-3-methylphenol
Concen: 51.242 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:107 Resp: 431745

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.8	29.6
142	77.8	60.6	90.8

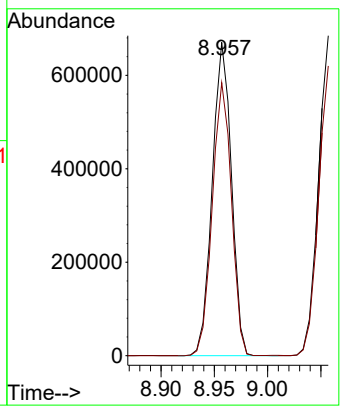




#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:142 Resp: 83782

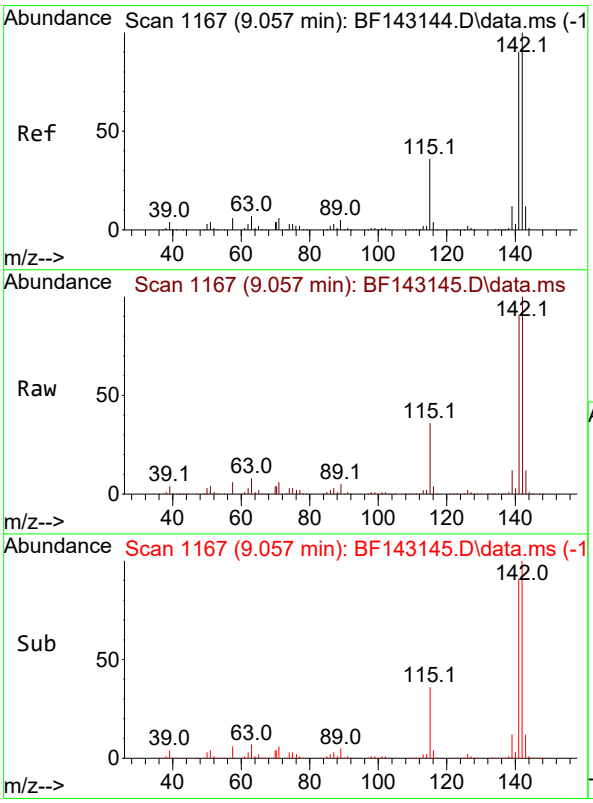
Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.9	104.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

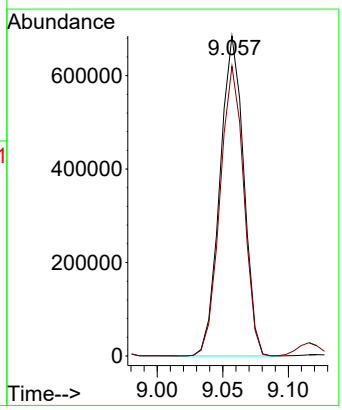
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

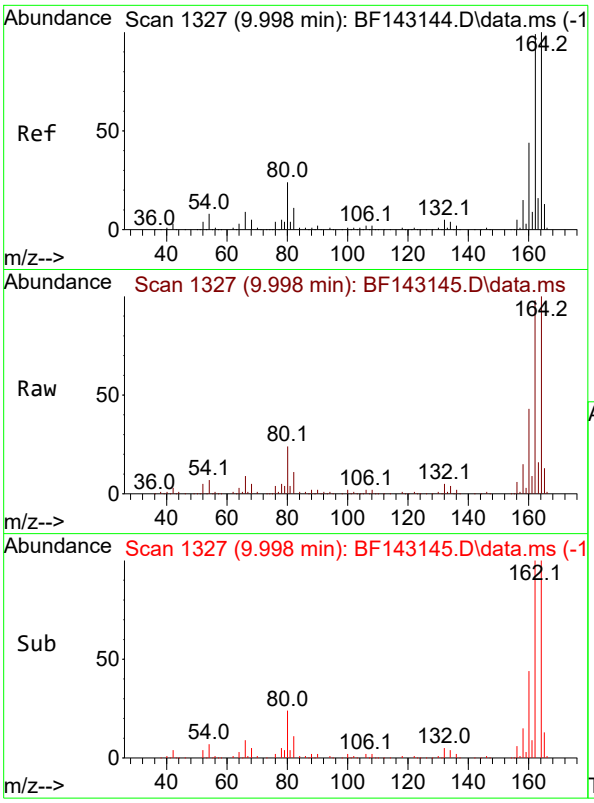


#38
1-Methylnaphthalene
Concen: 50.298 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:142 Resp: 862300

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.3	108.5

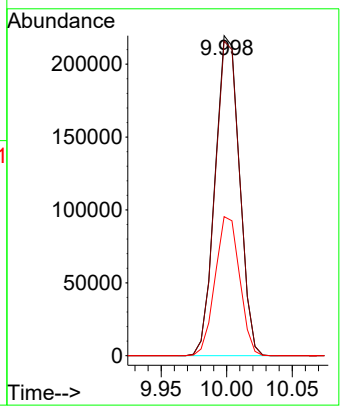




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:164 Resp: 28365

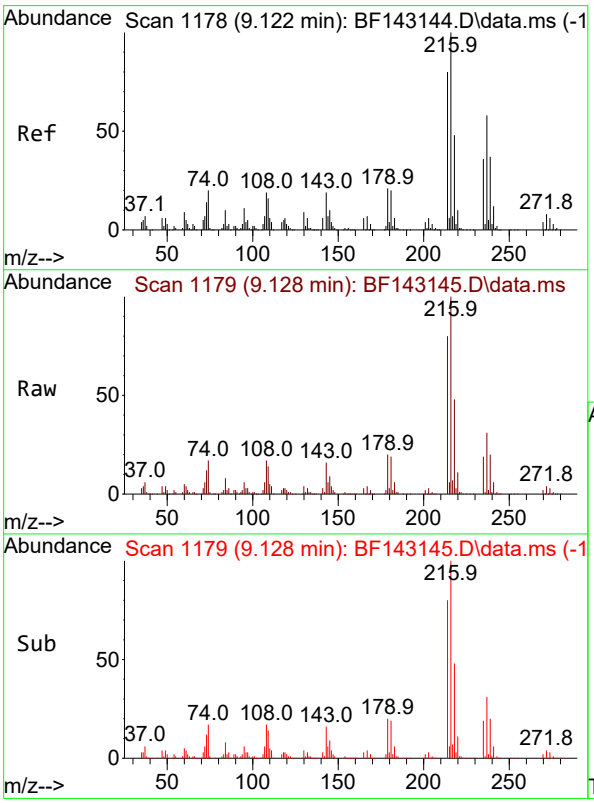
Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	43.5	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

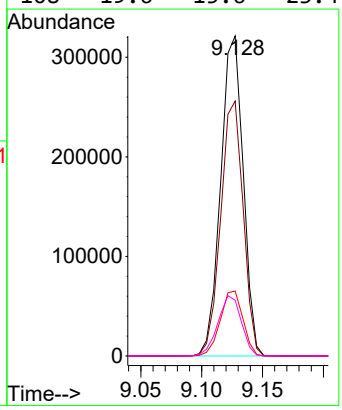
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

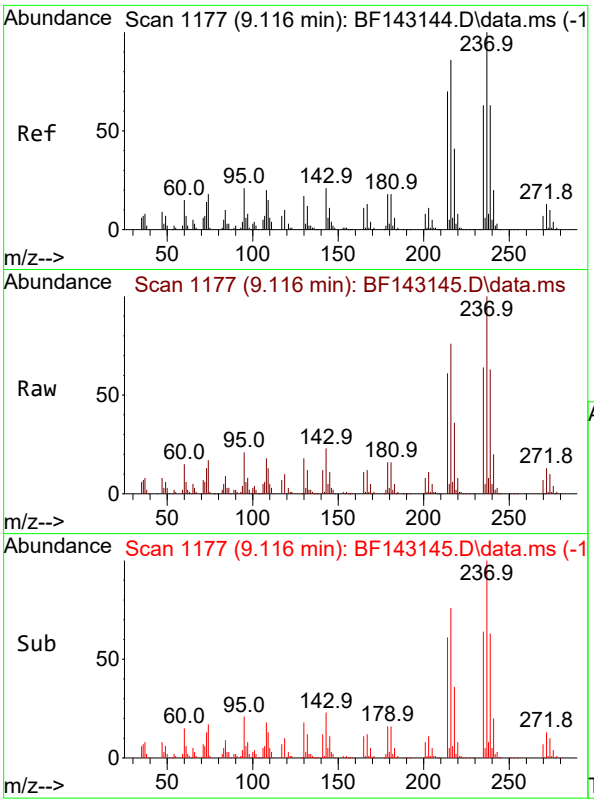


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.420 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:216 Resp: 412916

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.8
179	20.5	16.4	24.6
108	19.6	15.6	23.4

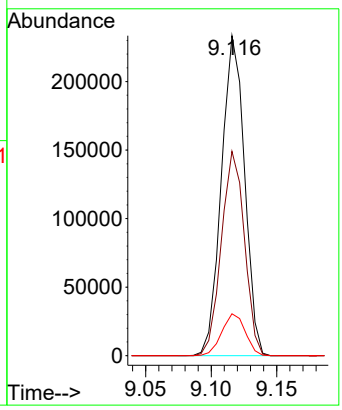




#41
Hexachlorocyclopentadiene
Concen: 53.823 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:237 Resp: 28680

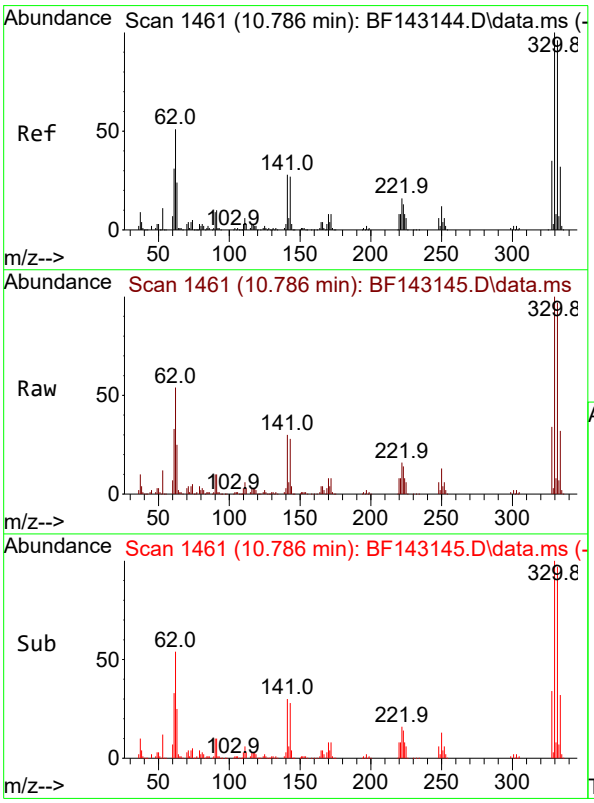
Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.0	83.0
272	13.1	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

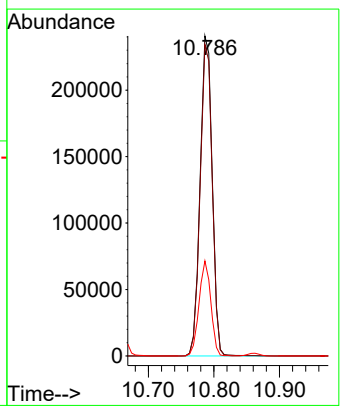
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

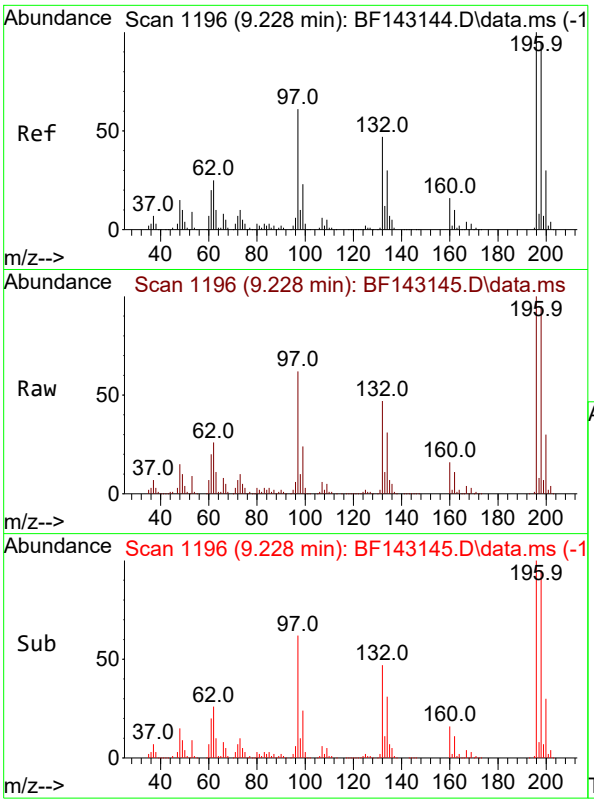


#42
2,4,6-Tribromophenol
Concen: 105.607 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:330 Resp: 309465

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.7	115.1
141	29.0	23.3	34.9

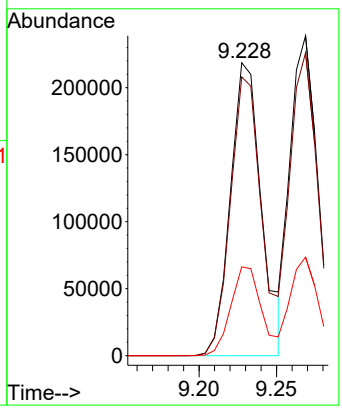




#43
2,4,6-Trichlorophenol
Concen: 53.718 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:196 Resp: 30446

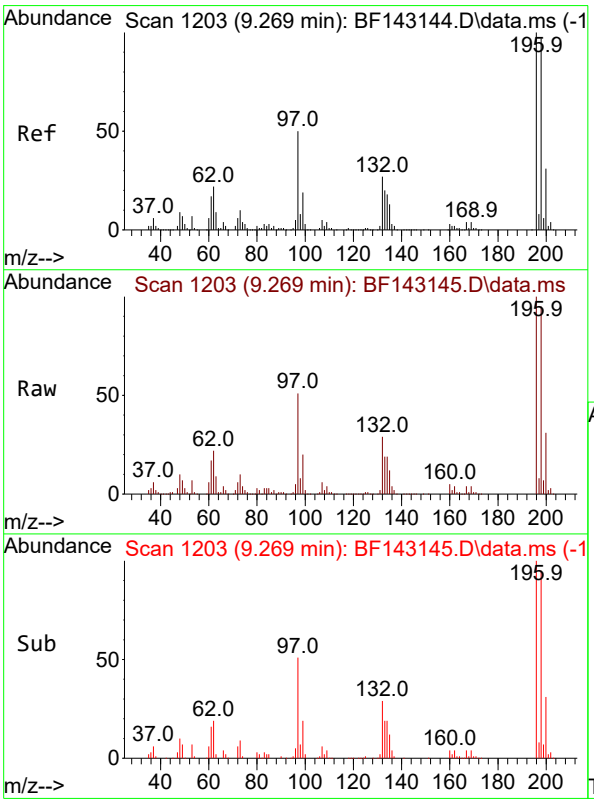
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.3	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

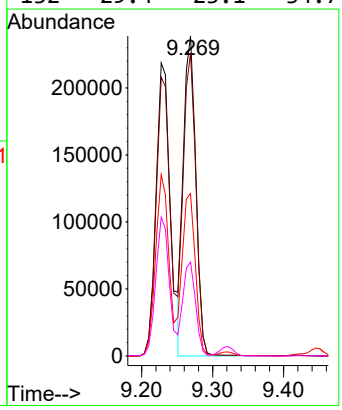
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

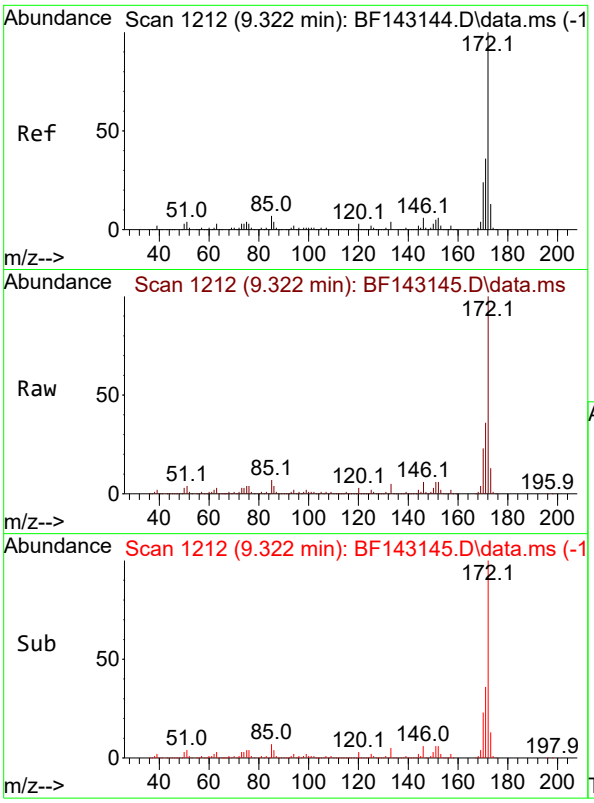


#44
2,4,5-Trichlorophenol
Concen: 51.434 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:196 Resp: 291607

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.3	115.9
97	50.8	40.3	60.5
132	29.4	23.1	34.7

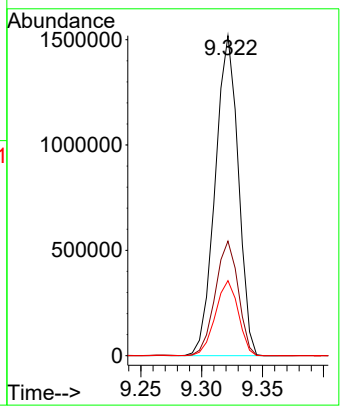




#45
2-Fluorobiphenyl
Concen: 96.712 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:172 Resp: 200589

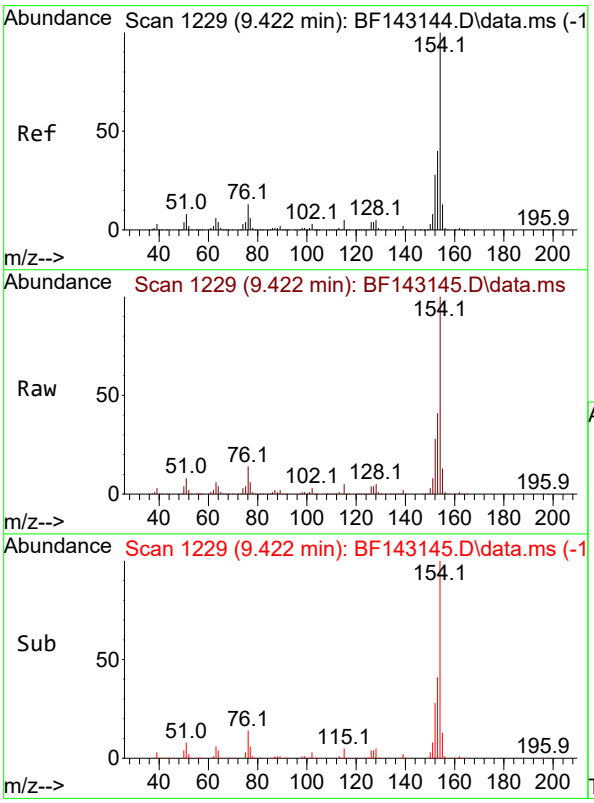
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

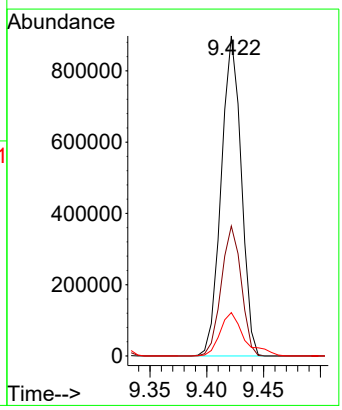
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

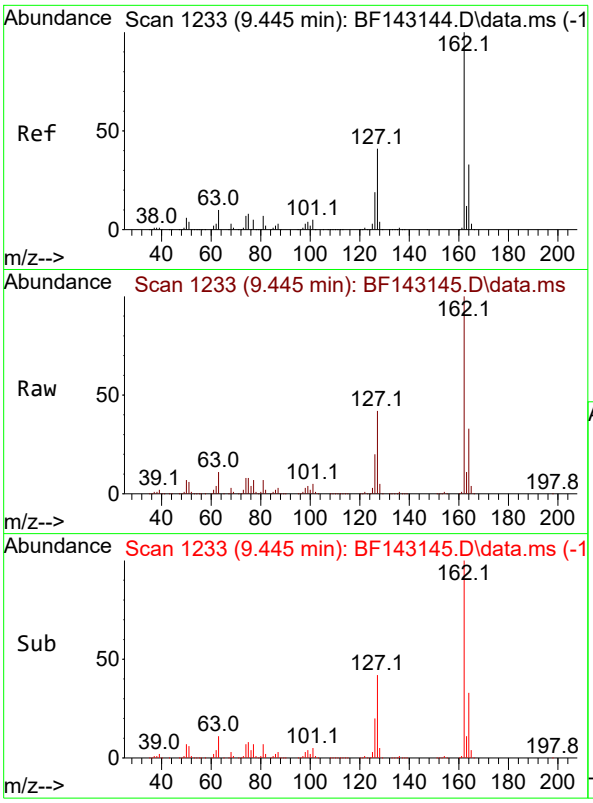


#46
1,1'-Biphenyl
Concen: 49.764 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:154 Resp: 1101317

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.5	0.0	33.3

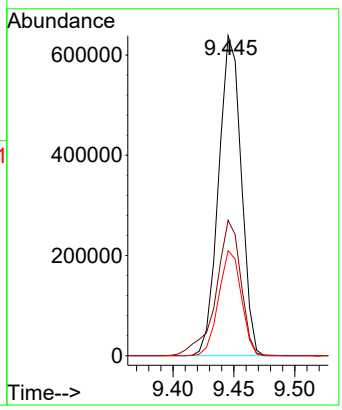




#47
2-Chloronaphthalene
Concen: 50.488 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:162 Resp: 82674

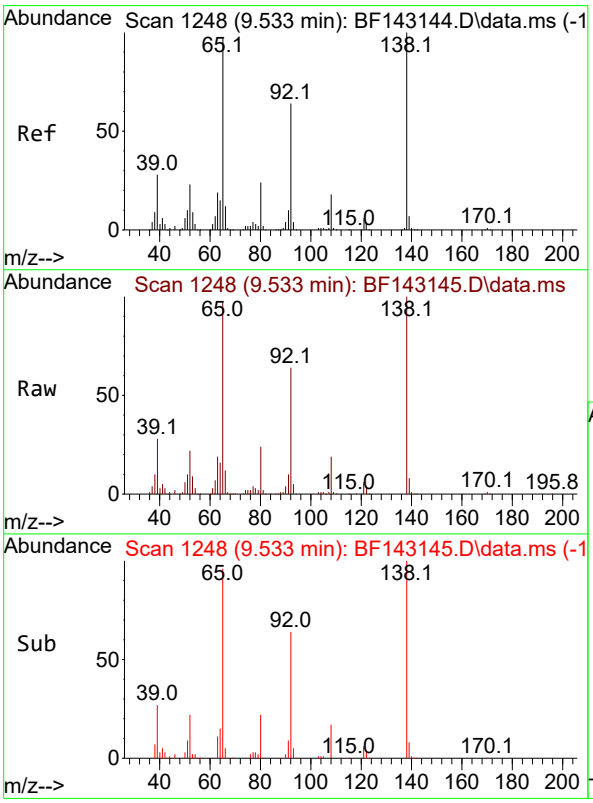
Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.4	50.2
164	32.8	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

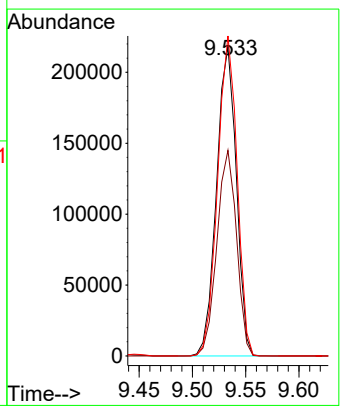
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

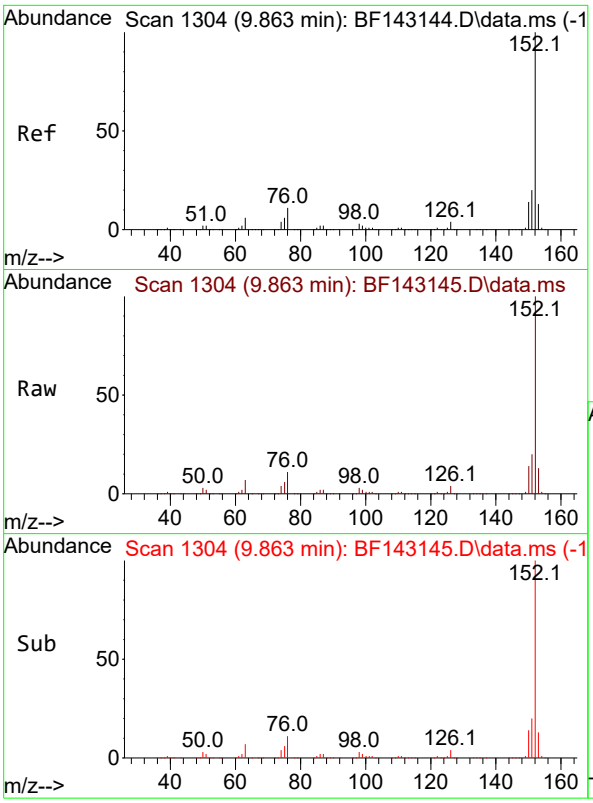


#48
2-Nitroaniline
Concen: 54.736 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 65 Resp: 281082

Ion	Ratio	Lower	Upper
65	100		
92	66.5	52.4	78.6
138	103.5	82.3	123.5

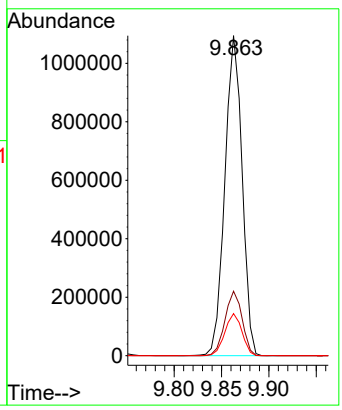




#49
Acenaphthylene
Concen: 50.605 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:152 Resp: 138872

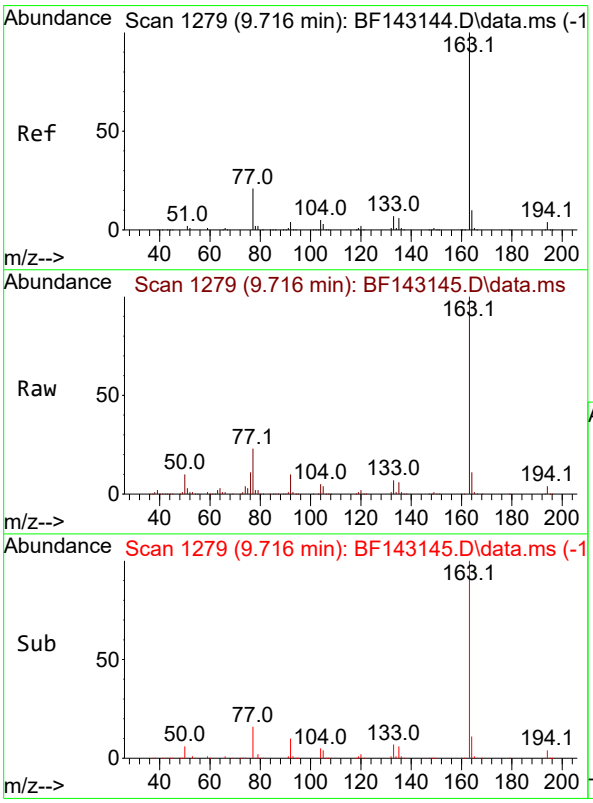
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

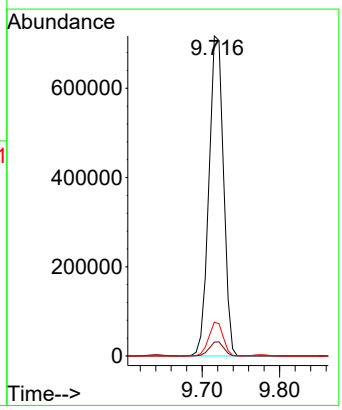
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

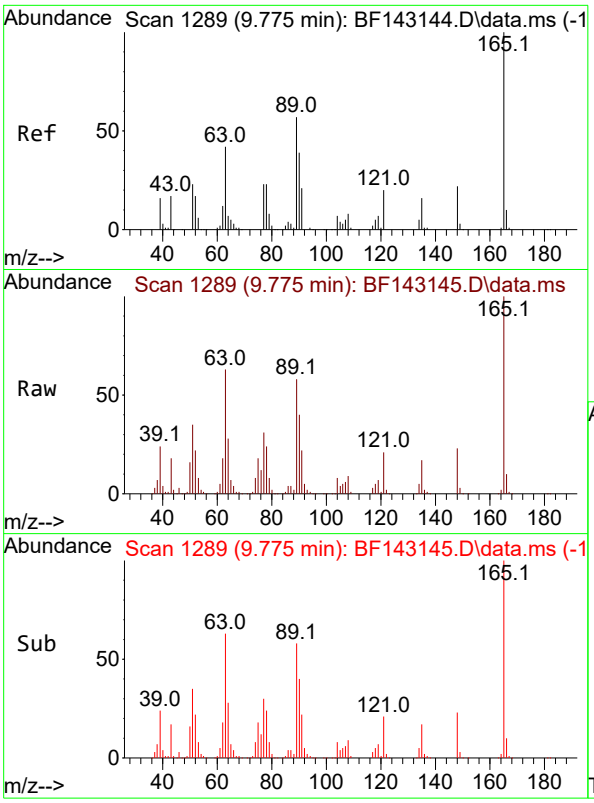


#50
Dimethylphthalate
Concen: 50.832 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:163 Resp: 939863

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.5	8.3	12.5

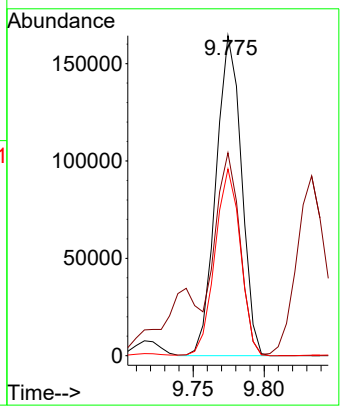




#51
2,6-Dinitrotoluene
Concen: 54.541 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:165 Resp: 20514

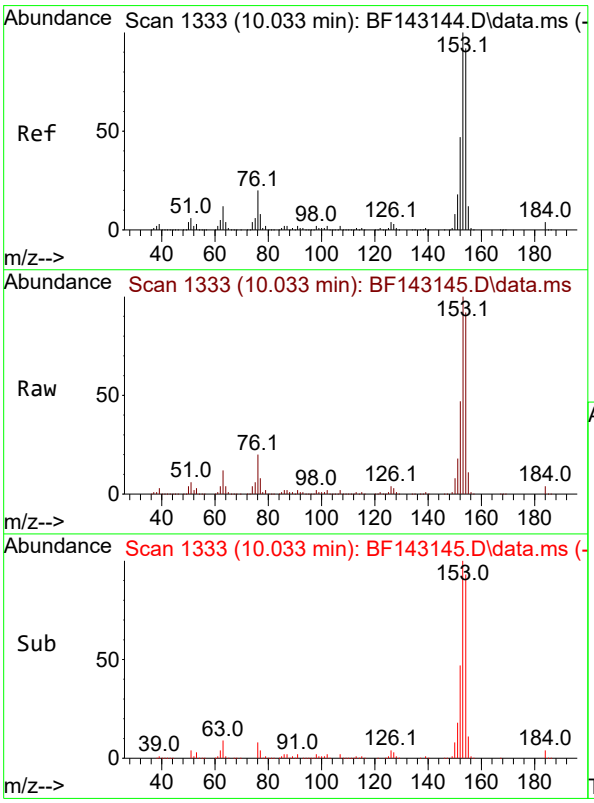
Ion	Ratio	Lower	Upper
165	100		
63	63.4	49.4	74.2
89	58.4	46.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

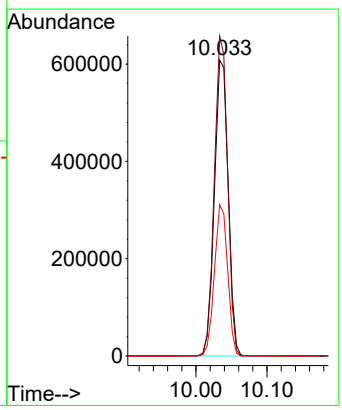
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

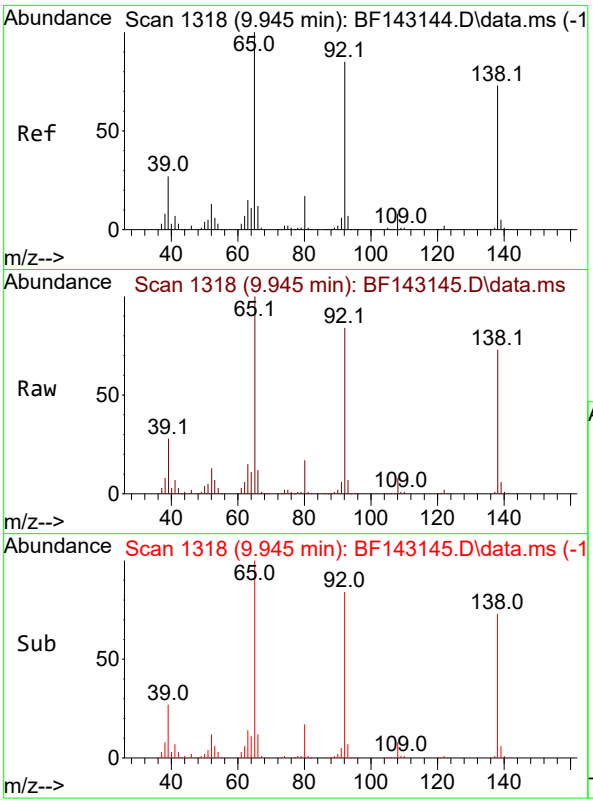


#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:154 Resp: 818783

Ion	Ratio	Lower	Upper
154	100		
153	108.2	86.6	129.8
152	51.1	40.4	60.6

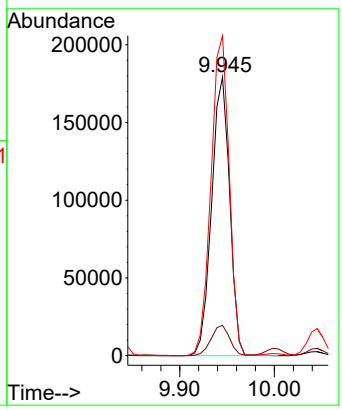




#53
3-Nitroaniline
Concen: 53.861 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:138 Resp: 23695

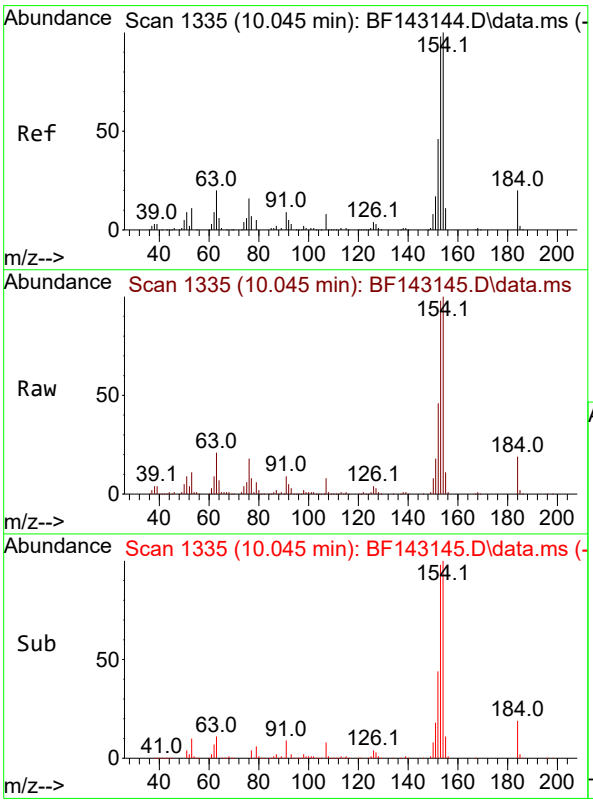
Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.6
92	114.8	93.0	139.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

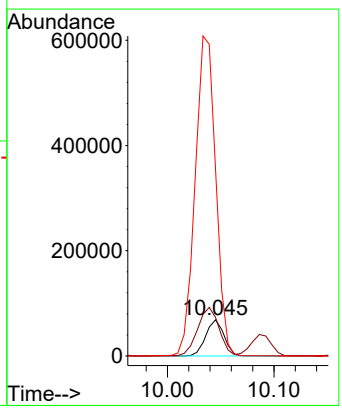
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

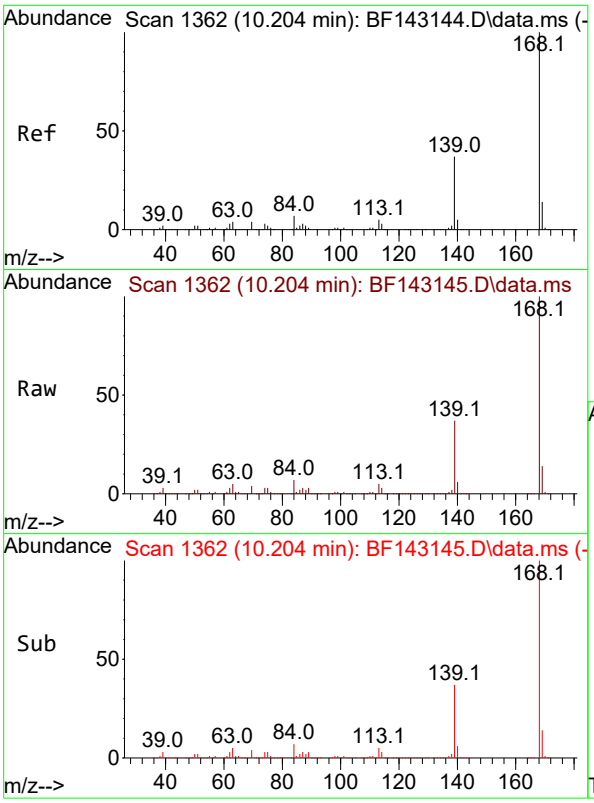


#54
2,4-Dinitrophenol
Concen: 50.750 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:184 Resp: 81983

Ion	Ratio	Lower	Upper
184	100		
63	106.9	81.8	122.6
154	519.2	412.2	618.4

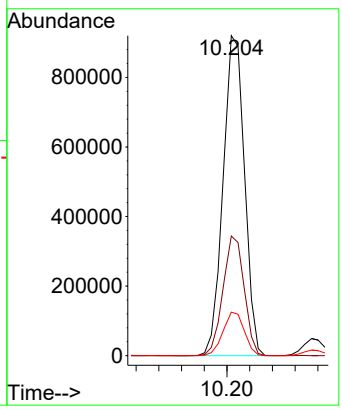




#55
Dibenzofuran
Concen: 50.001 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:168 Resp: 120408

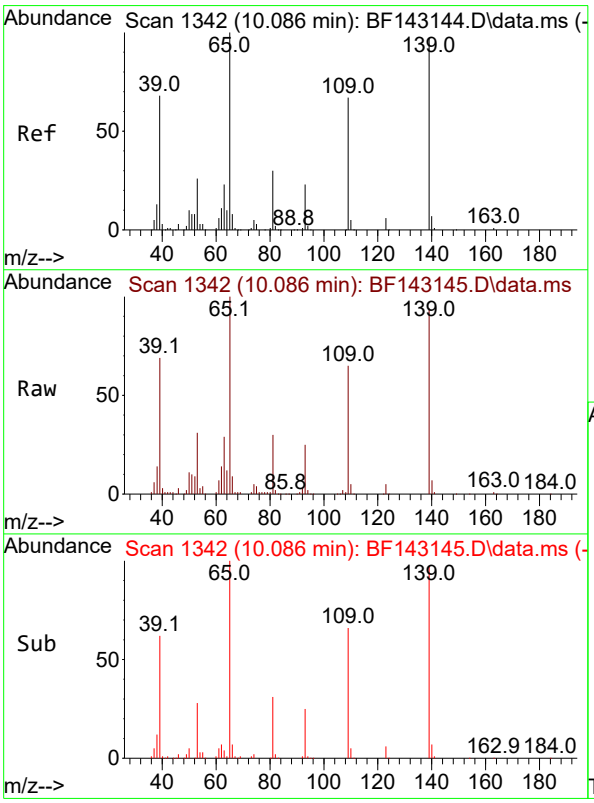
Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.5	44.3
169	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

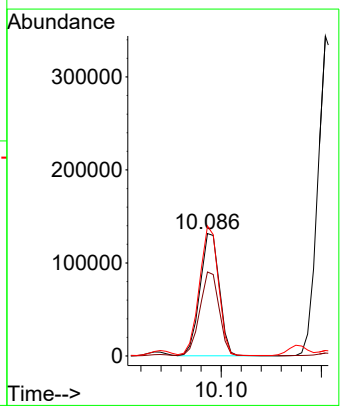
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

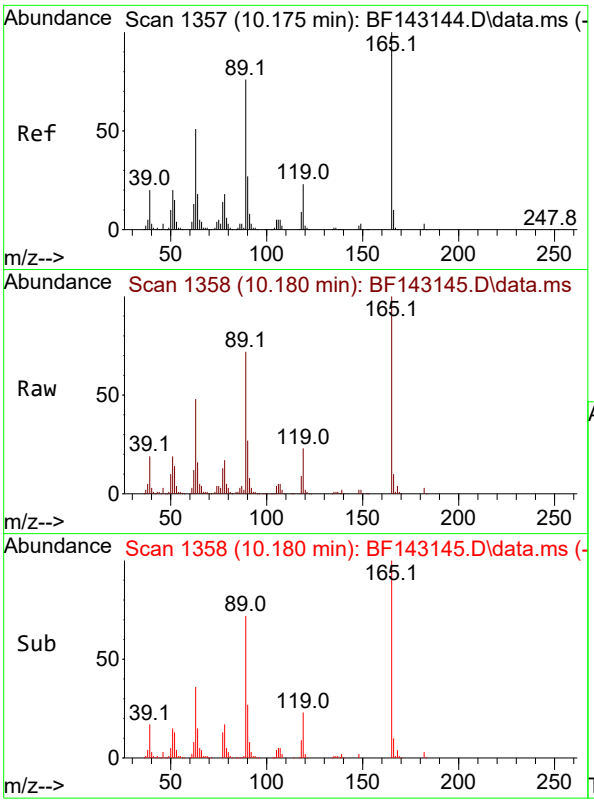


#56
4-Nitrophenol
Concen: 54.001 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 177408

Ion	Ratio	Lower	Upper
139	100		
109	68.7	48.5	88.5
65	106.2	83.4	123.4

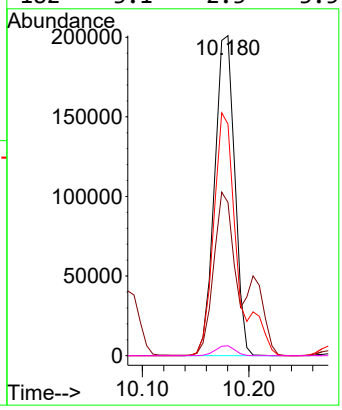




#57
2,4-Dinitrotoluene
Concen: 55.954 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:165 Resp: 26404

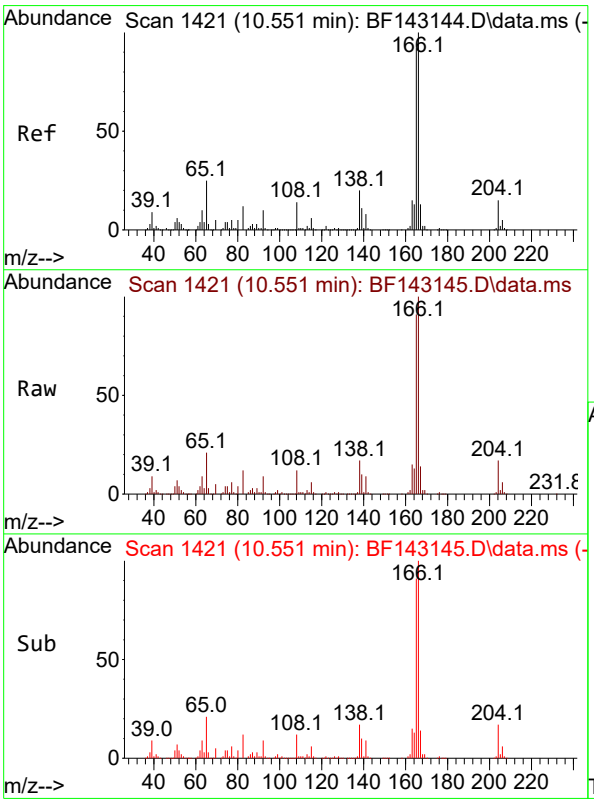
Ion	Ratio	Lower	Upper
165	100		
63	47.9	41.0	61.4
89	72.4	61.1	91.7
182	3.1	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

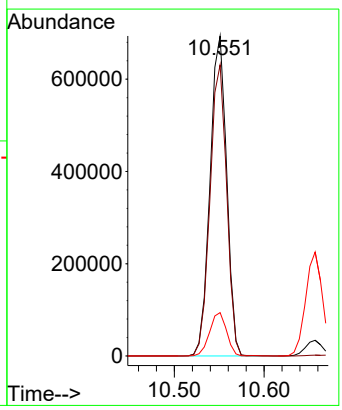
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

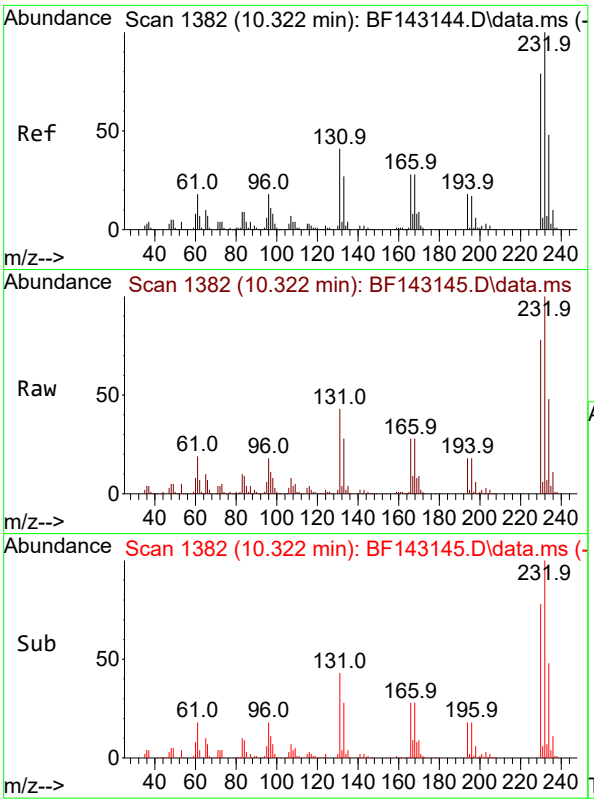


#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:166 Resp: 891646

Ion	Ratio	Lower	Upper
166	100		
165	91.0	73.7	110.5
167	13.6	10.6	16.0

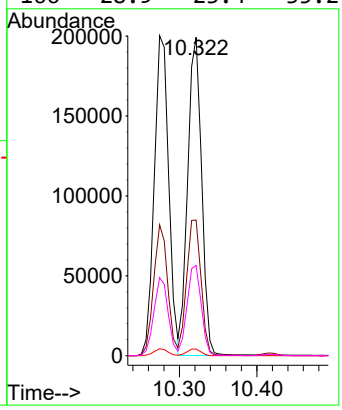




#59
2,3,4,6-Tetrachlorophenol
Concen: 52.965 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:232 Resp: 24874

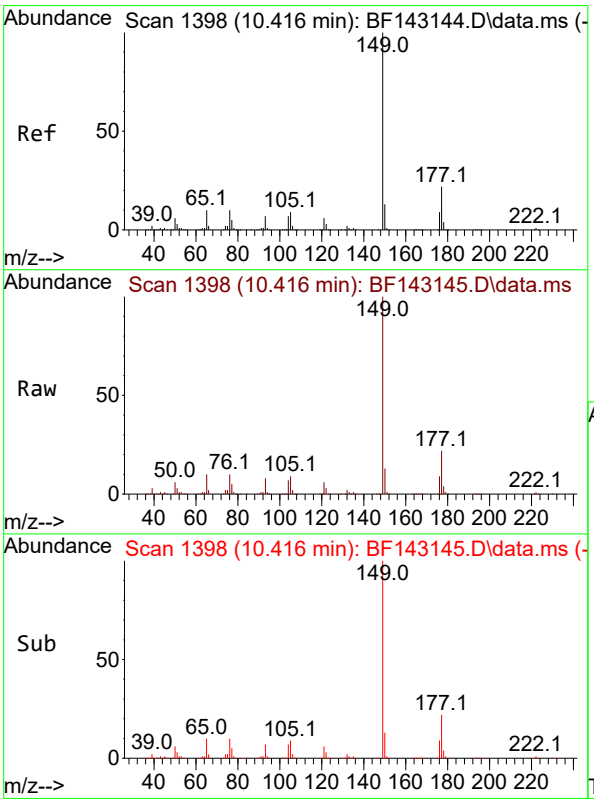
Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.1	1.7	2.5
166	28.9	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

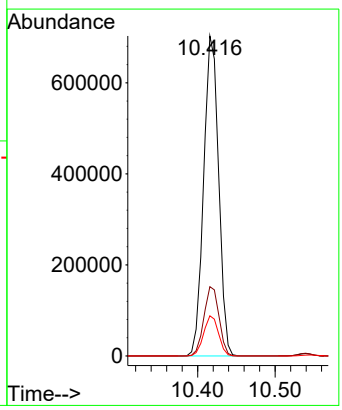
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

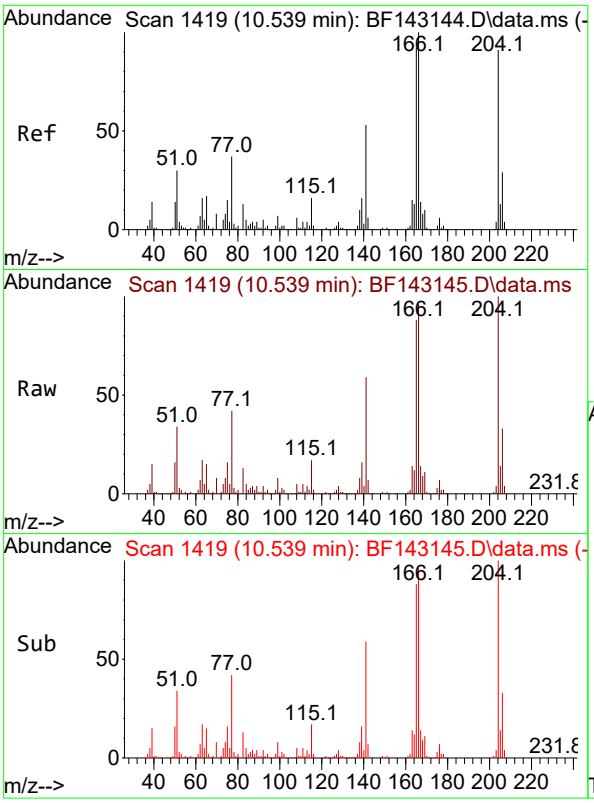


#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 942625

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.5	26.3
150	12.6	10.2	15.2

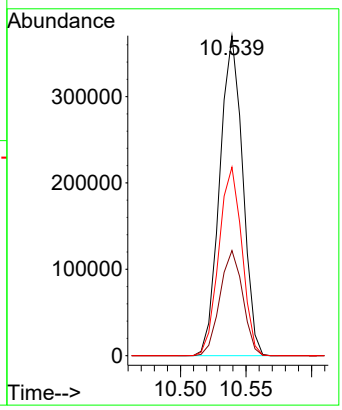




#61
4-Chlorophenyl-phenylether
Concen: 49.911 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:204 Resp: 44916

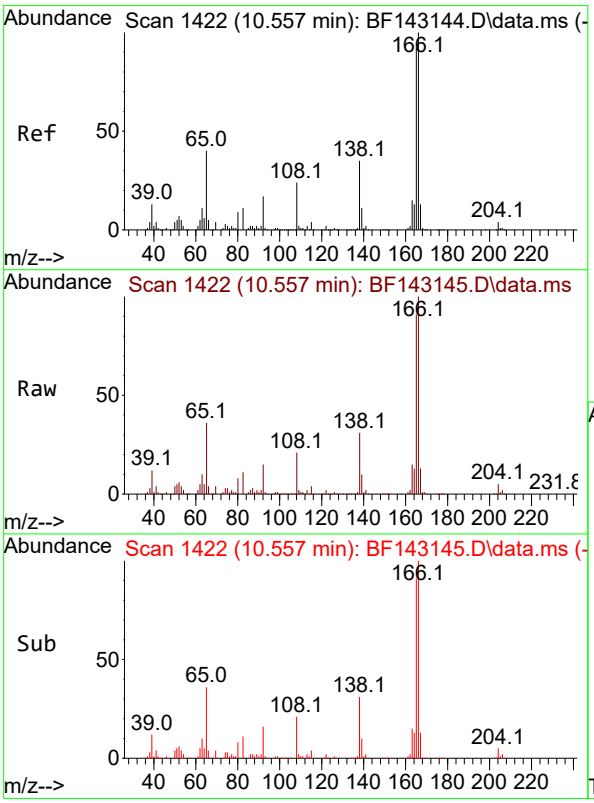
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	58.9	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

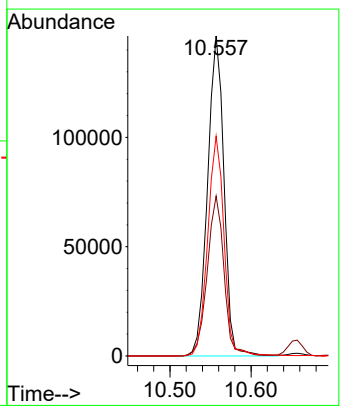
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

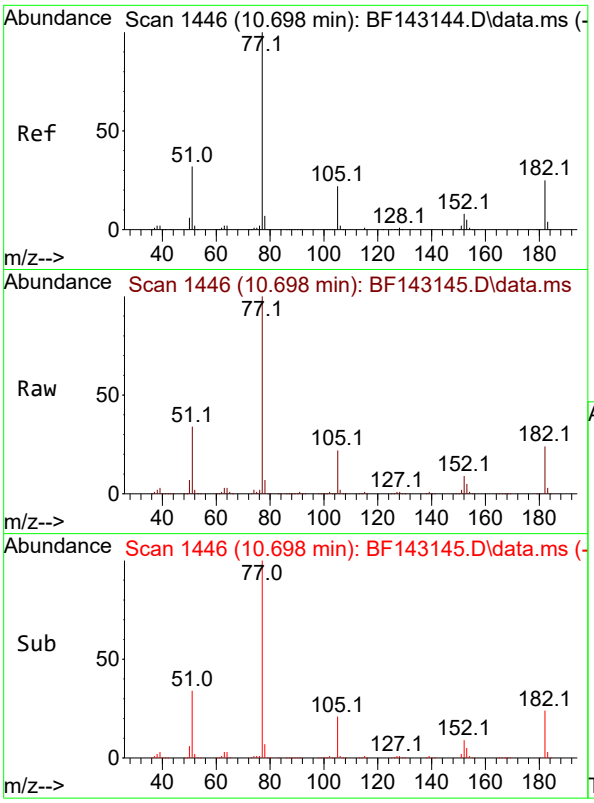


#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:138 Resp: 205210

Ion	Ratio	Lower	Upper
138	100		
92	50.0	29.3	69.3
108	68.7	48.3	88.3

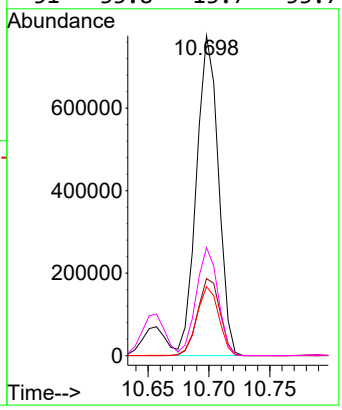




#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 77 Resp: 96693

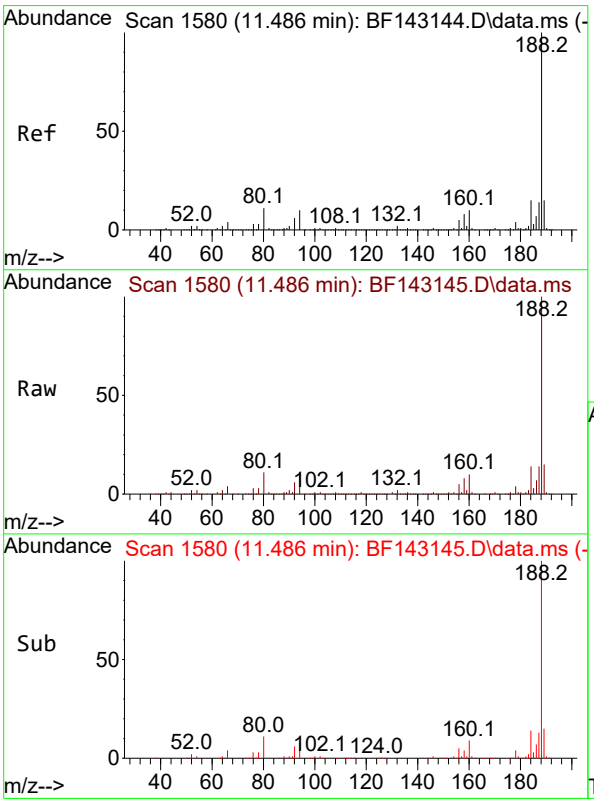
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.6	44.6
105	21.6	1.4	41.4
51	33.8	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

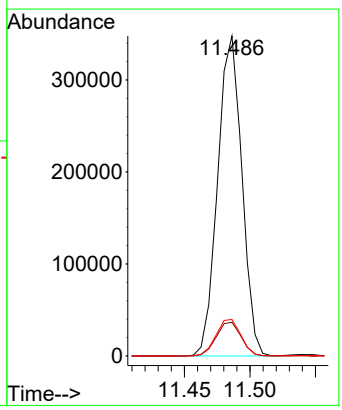
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

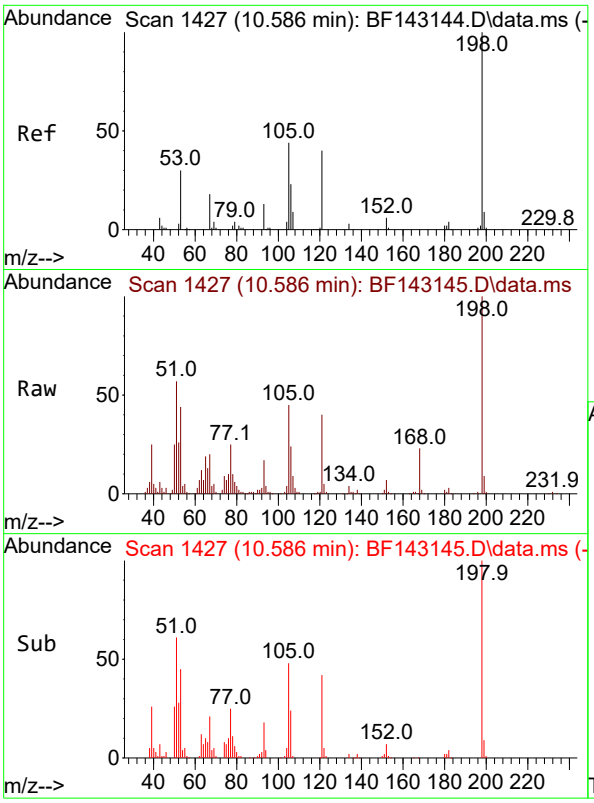


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:188 Resp: 447089

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.3	12.5
80	11.4	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 51.927 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

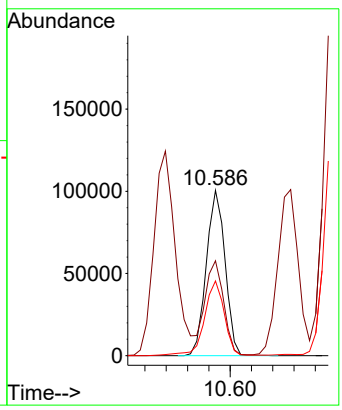
Tgt Ion:198 Resp: 12287

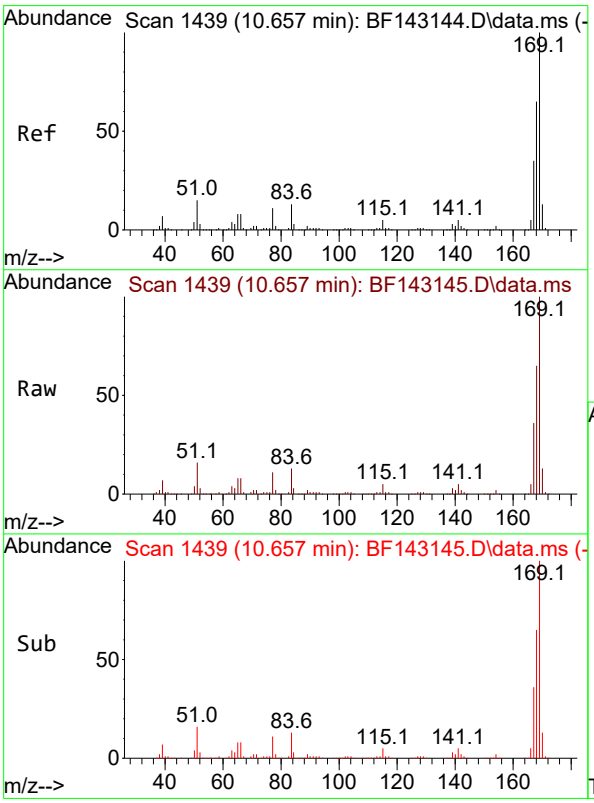
Ion	Ratio	Lower	Upper
198	100		
51	57.3	37.2	77.2
105	45.1	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

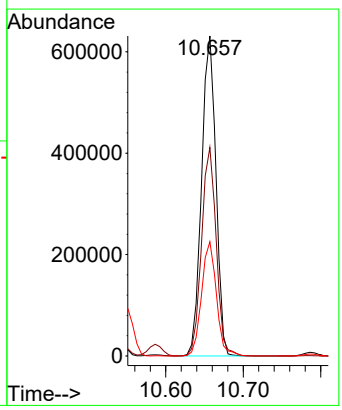


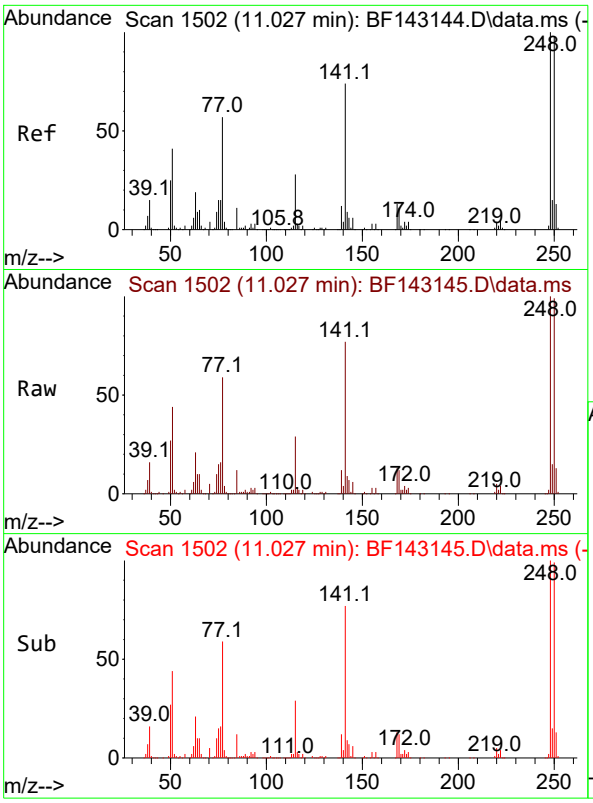


#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:169 Resp: 811422

Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.1	78.1
167	35.7	28.2	42.2

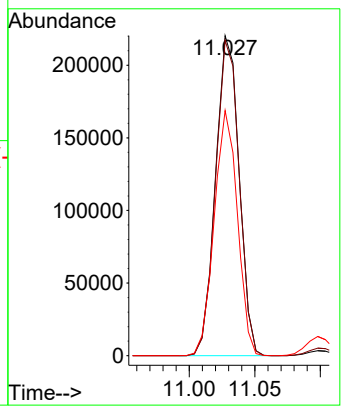




#67
4-Bromophenyl-phenylether
Concen: 51.741 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:248 Resp: 27567

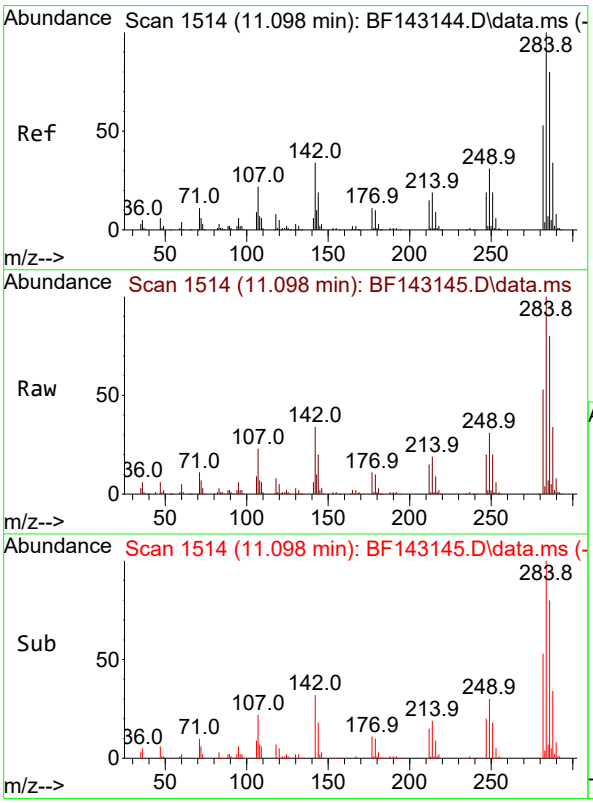
Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.3	117.5
141	76.6	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

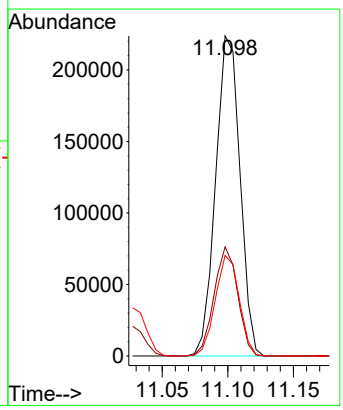
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

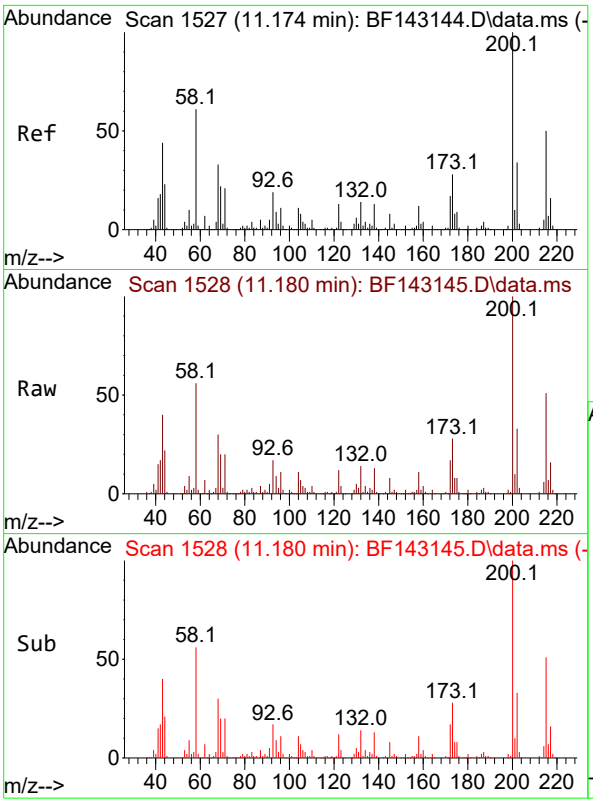


#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:284 Resp: 288405

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.0	40.6
249	31.4	25.0	37.6

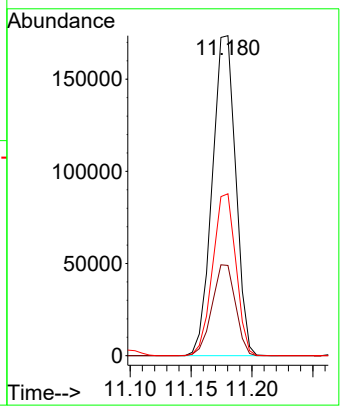




#69
Atrazine
Concen: 53.662 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:200 Resp: 23290

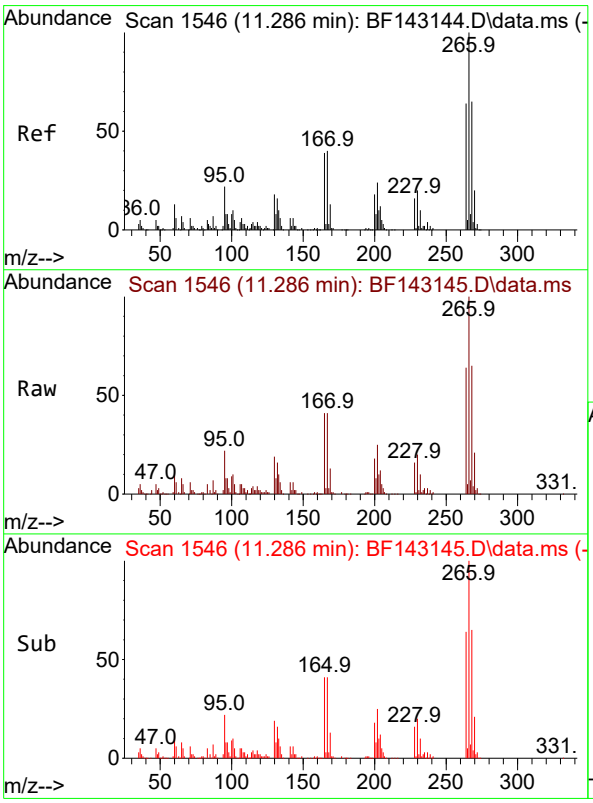
Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.9	47.9
215	50.6	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

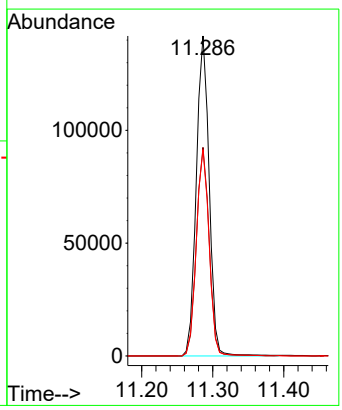
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

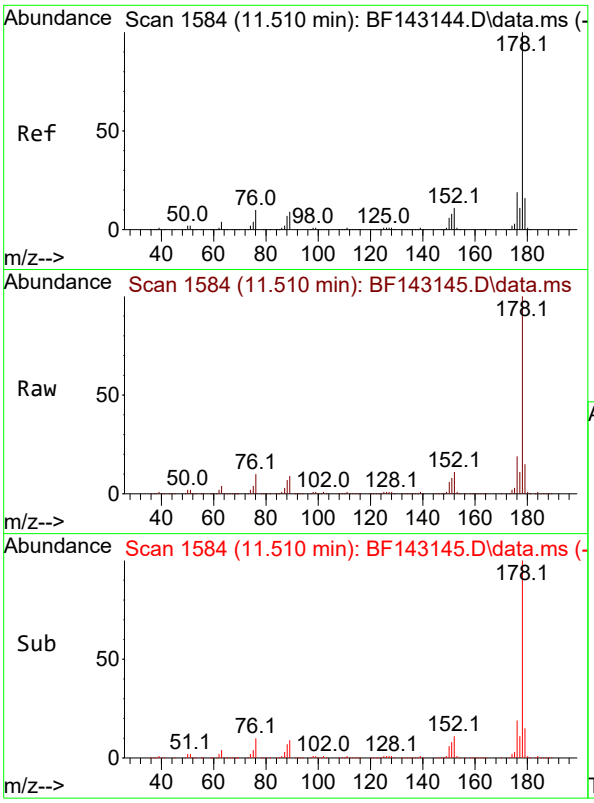


#70
Pentachlorophenol
Concen: 54.581 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:266 Resp: 178753

Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.9	77.9
264	64.5	51.0	76.6

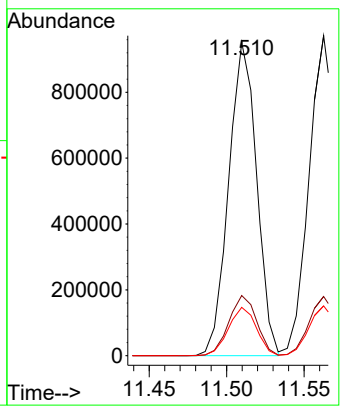




#71
Phenanthrene
Concen: 50.321 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:178 Resp: 119458

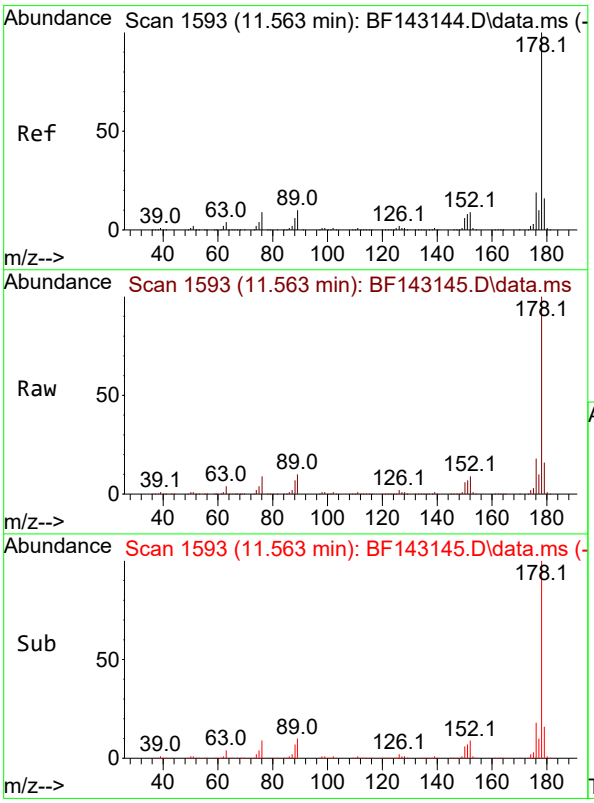
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

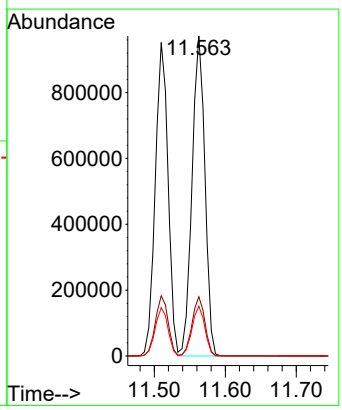
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

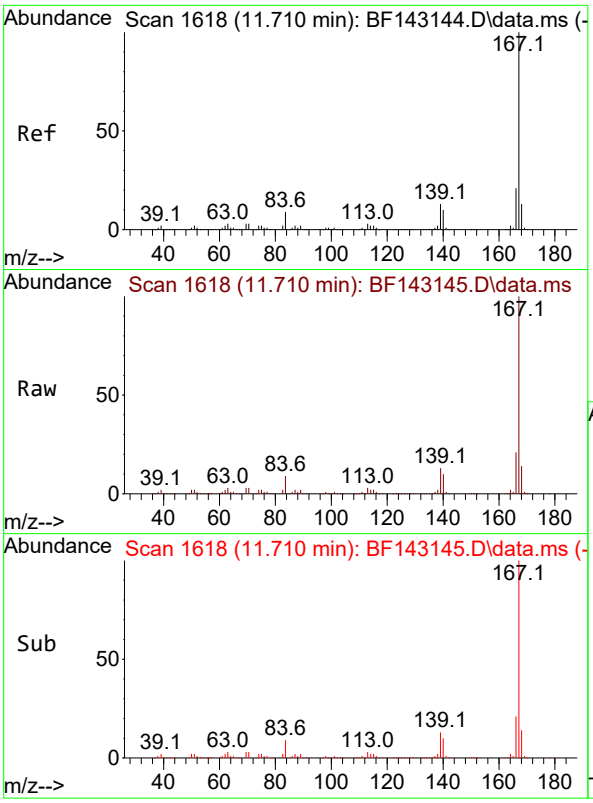


#72
Anthracene
Concen: 50.552 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:178 Resp: 1223920

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.5	18.7

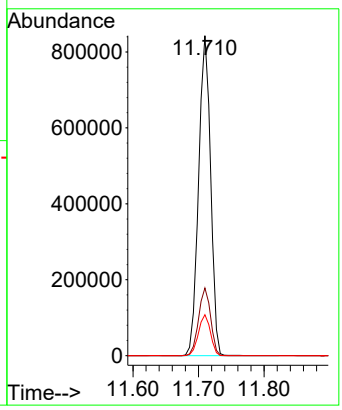




#73
Carbazole
Concen: 50.934 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:167 Resp: 107680

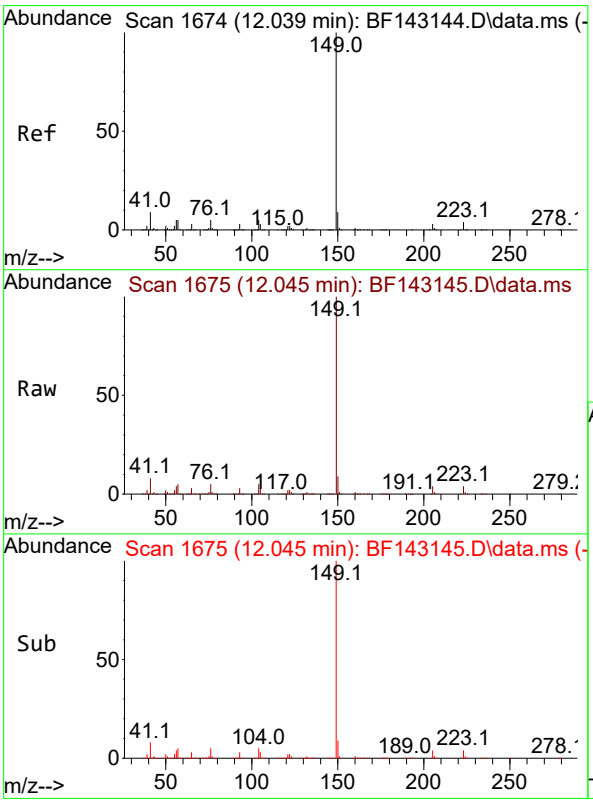
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.8	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

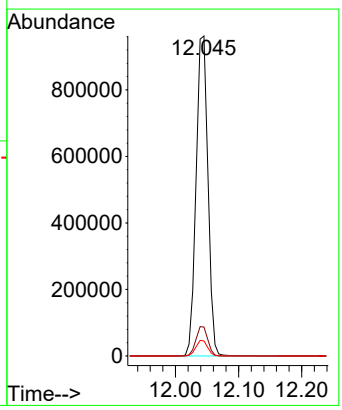
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

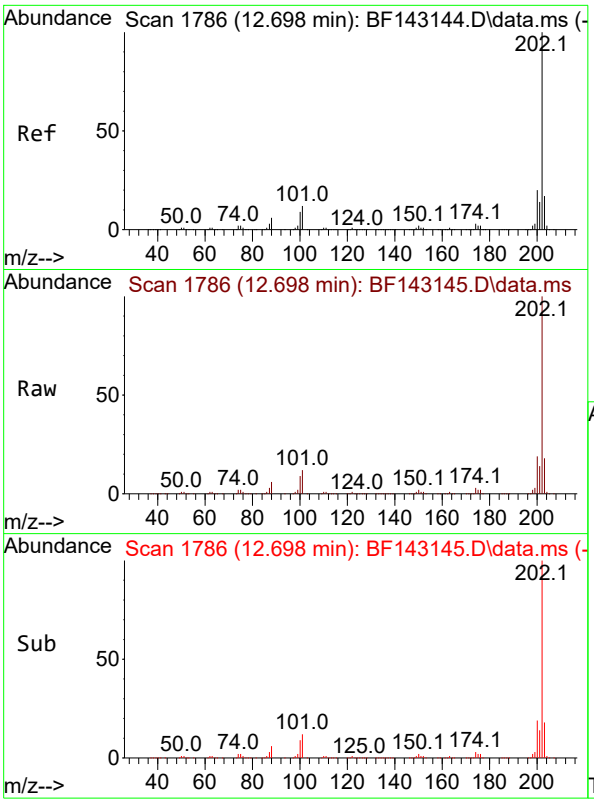


#74
Di-n-butylphthalate
Concen: 52.290 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 1250841

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.7	3.8	5.8





#75
Fluoranthene
Concen: 50.203 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

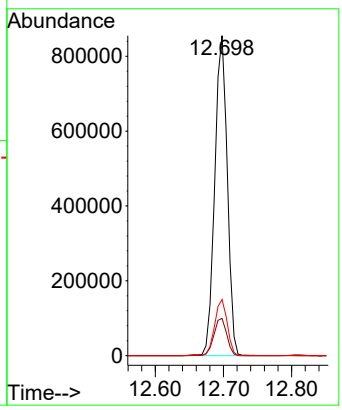
Tgt Ion:202 Resp: 109389

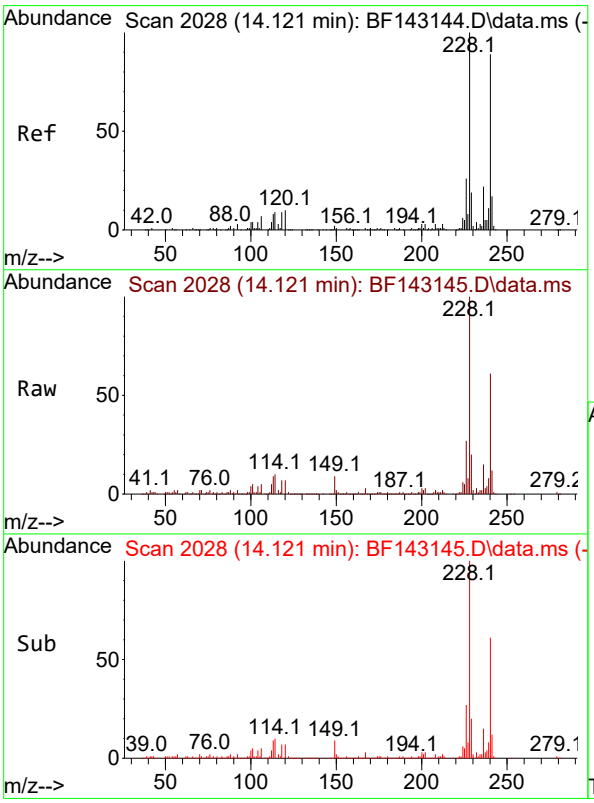
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.6	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

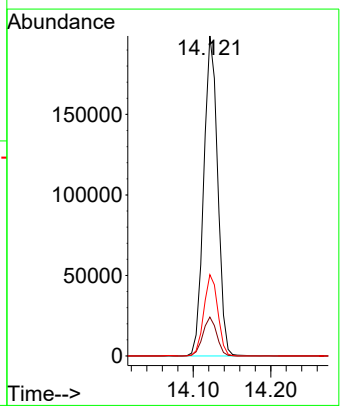


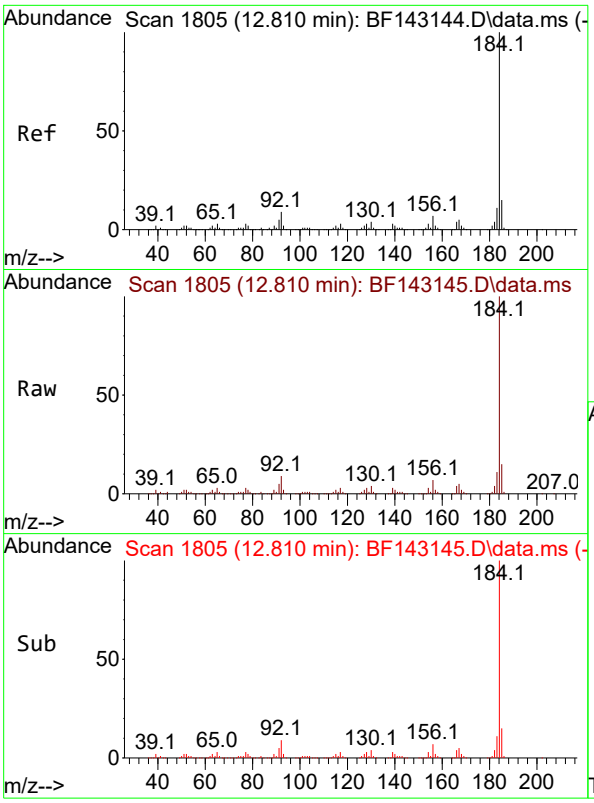


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:240 Resp: 247878

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.4	14.2
236	25.4	20.2	30.4

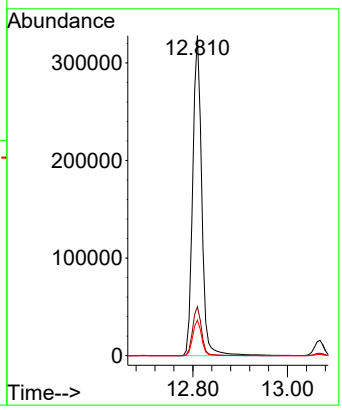




#77
Benzidine
Concen: 45.229 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:184 Resp: 43194

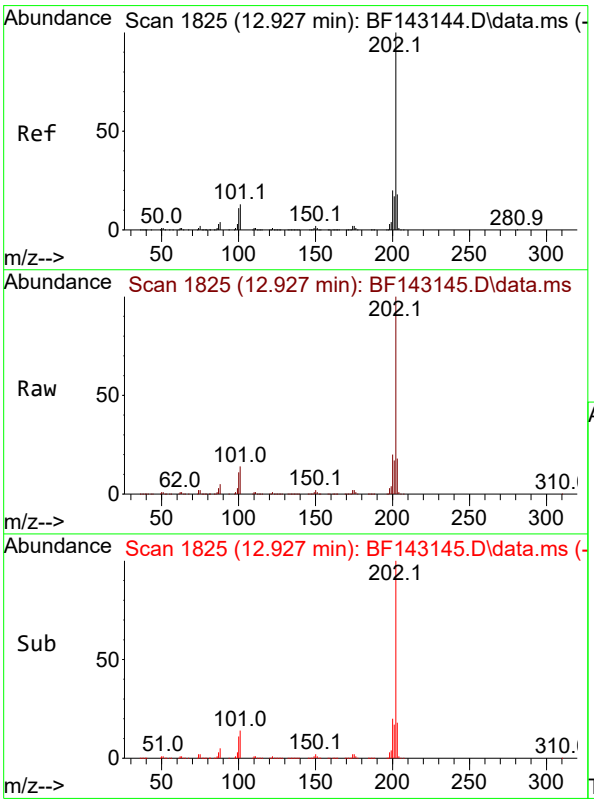
Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.4
183	11.2	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

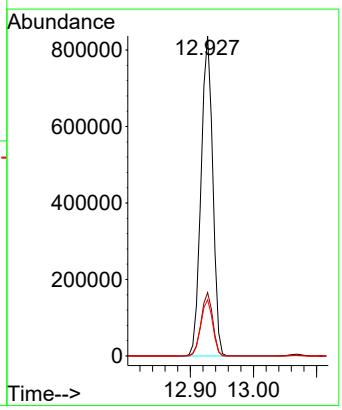
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

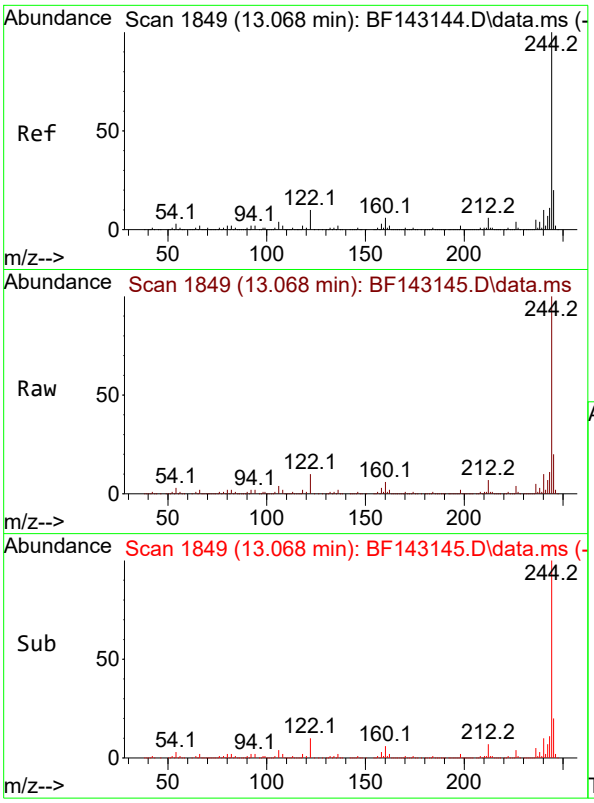


#78
Pyrene
Concen: 50.982 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:202 Resp: 1078520

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.5	14.2	21.2

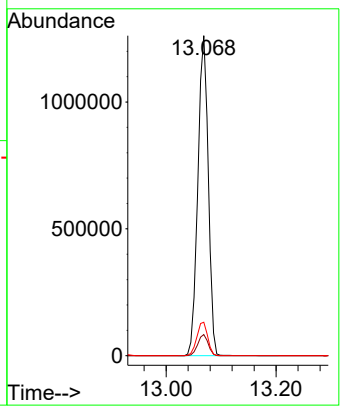




#79
Terphenyl-d14
Concen: 99.838 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:244 Resp: 166303

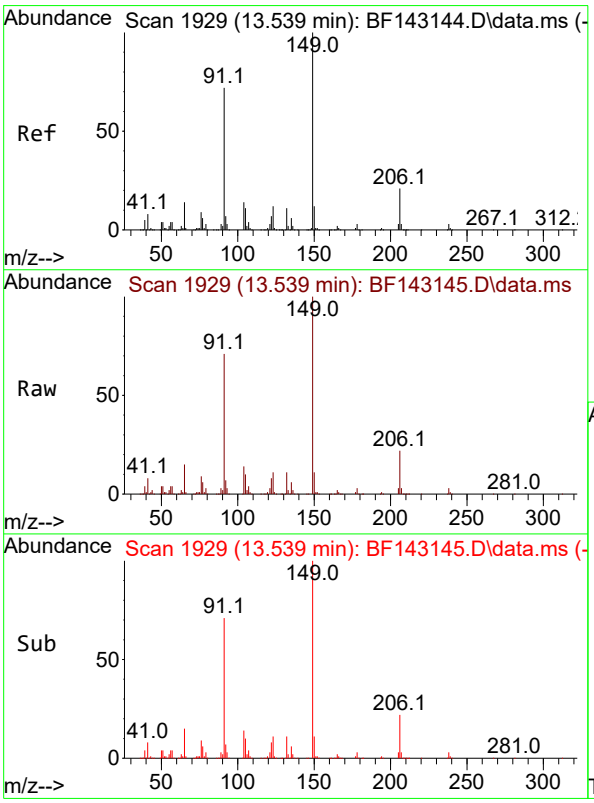
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.4	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

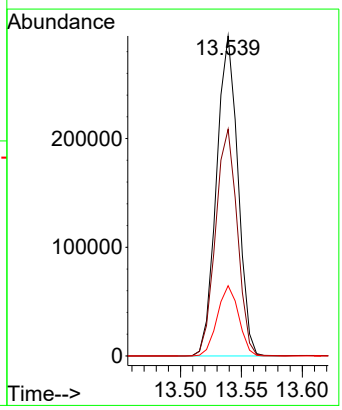
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

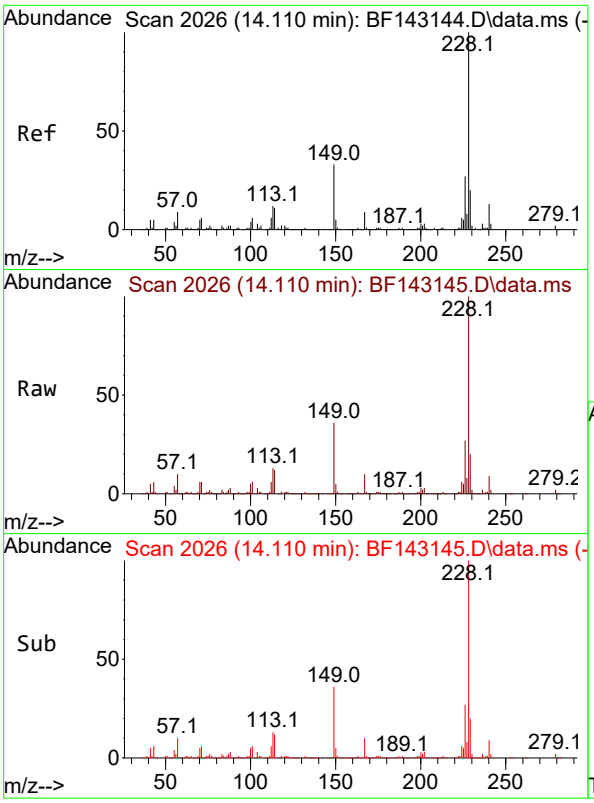


#80
Butylbenzylphthalate
Concen: 55.681 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 360698

Ion	Ratio	Lower	Upper
149	100		
91	70.8	57.9	86.9
206	22.0	17.0	25.4

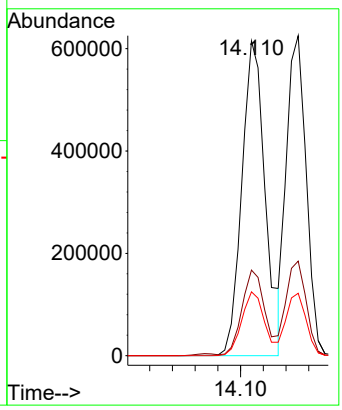




#81
Benzo(a)anthracene
Concen: 53.085 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:228 Resp: 88097

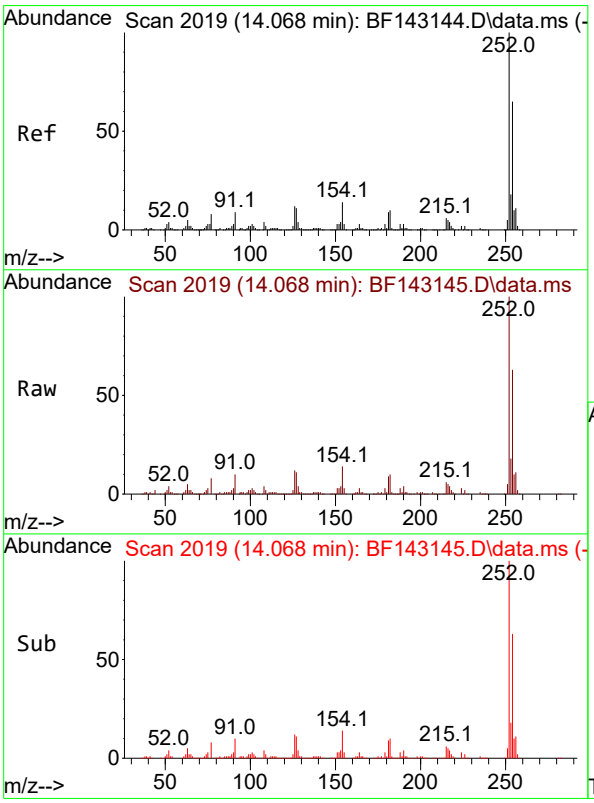
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

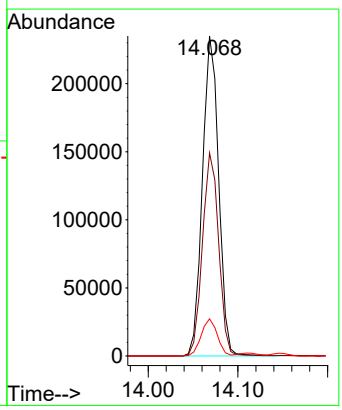
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

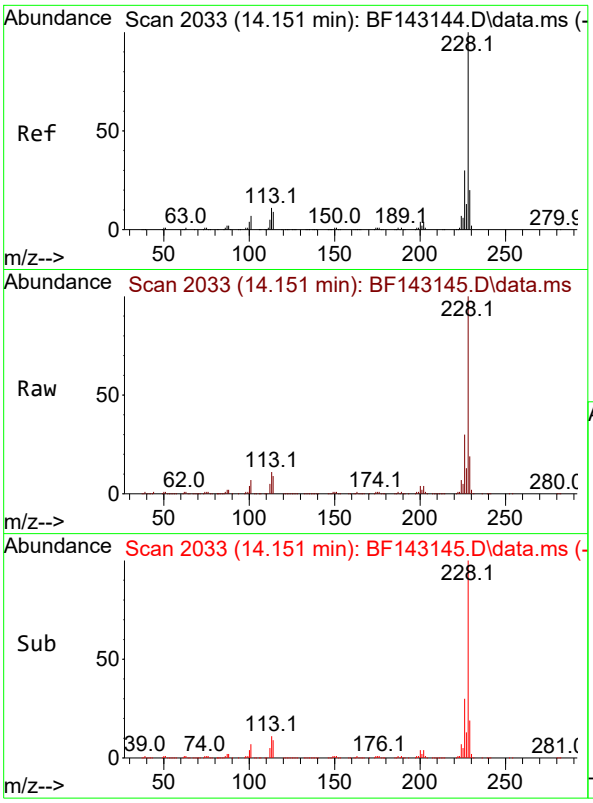


#82
3,3'-Dichlorobenzidine
Concen: 53.305 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 294836

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.7	77.5
126	11.6	9.4	14.0

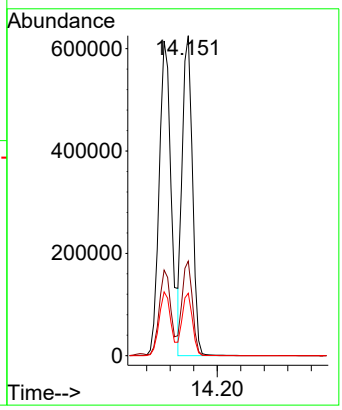




#83
Chrysene
Concen: 50.597 ng
RT: 14.151 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:228 Resp: 75495

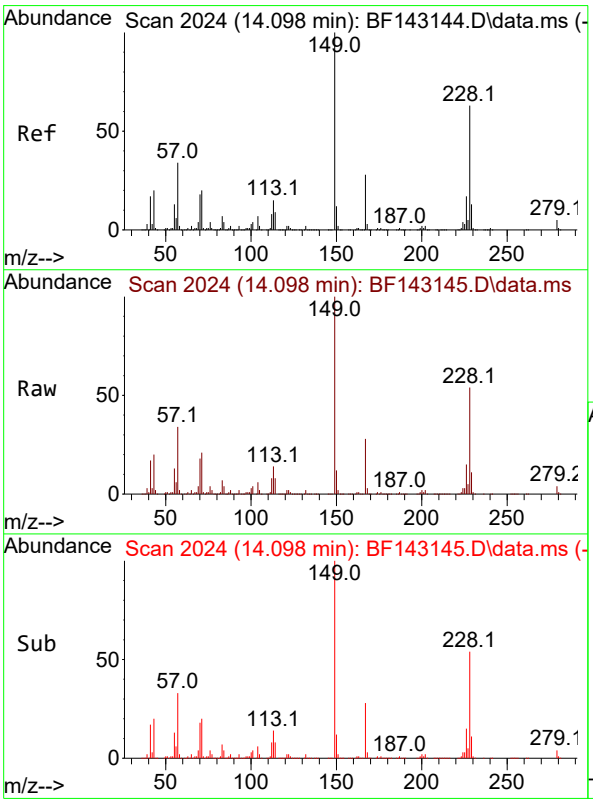
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

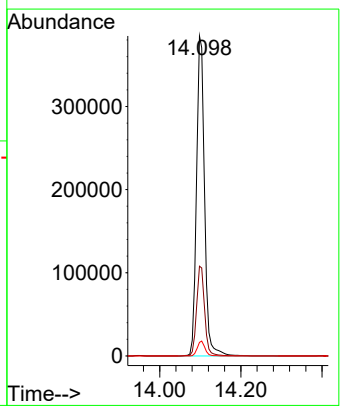
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

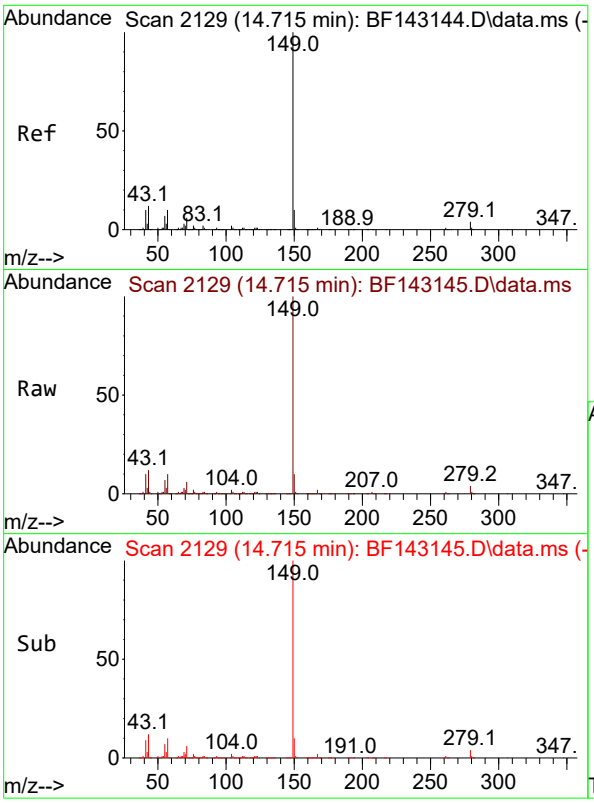


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.475 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 534128

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.3	3.6	5.4

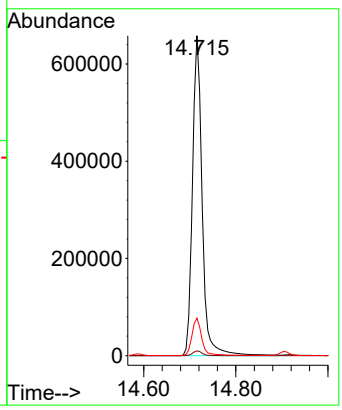




#85
Di-n-octyl phthalate
Concen: 54.032 ng
RT: 14.715 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 96030

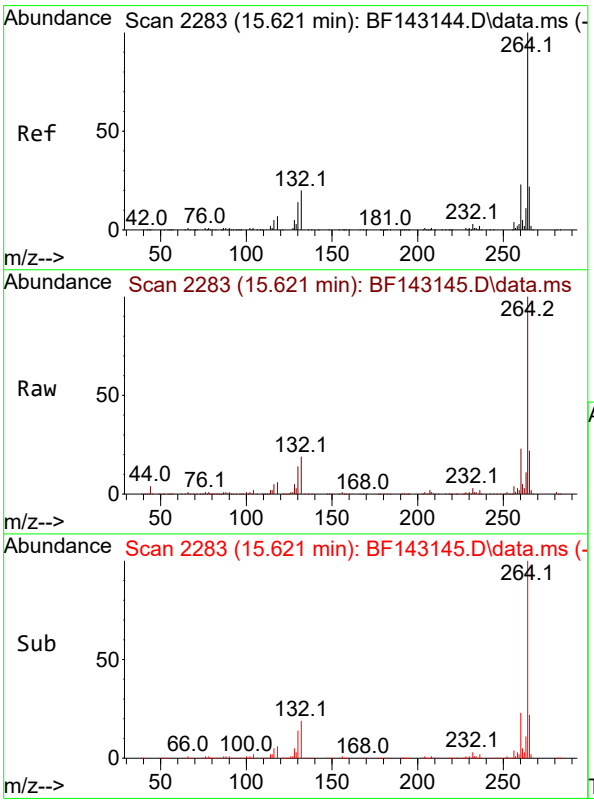
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.9	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

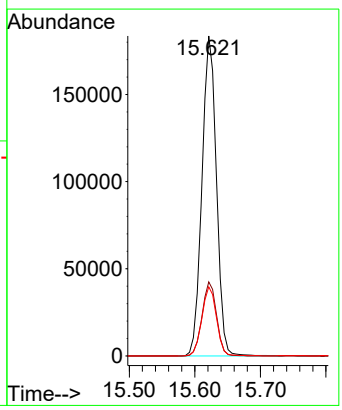
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

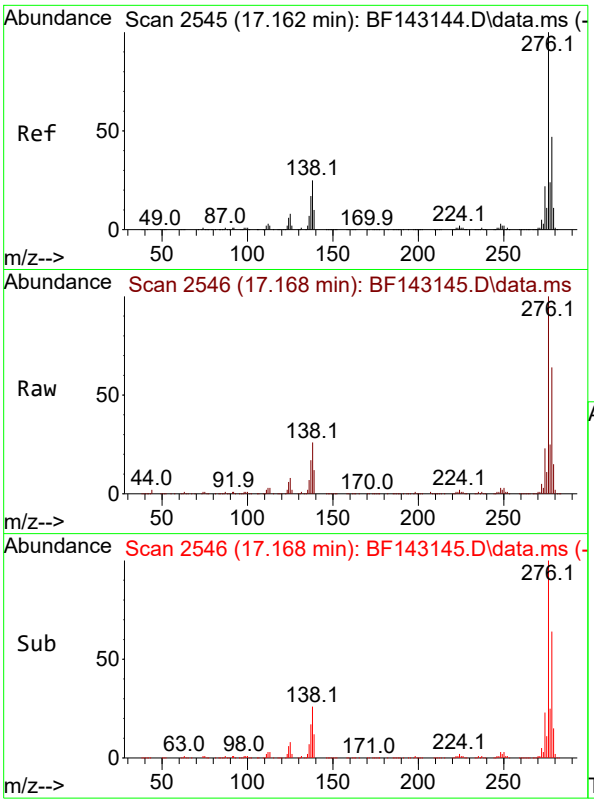


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:264 Resp: 282289

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.6	17.4	26.2

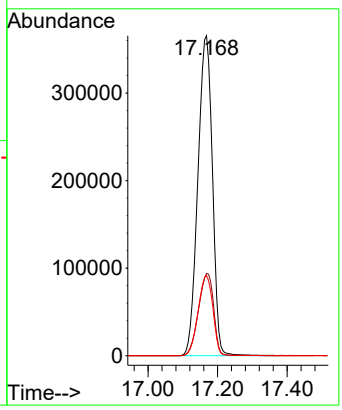




#87
Indeno(1,2,3-cd)pyrene
Concen: 53.347 ng
RT: 17.168 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:276 Resp: 106187

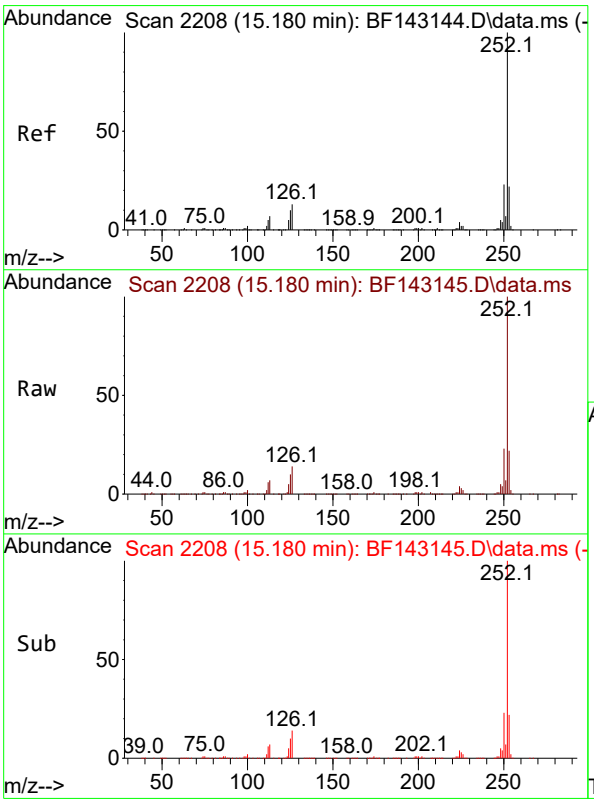
Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.6
277	25.4	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

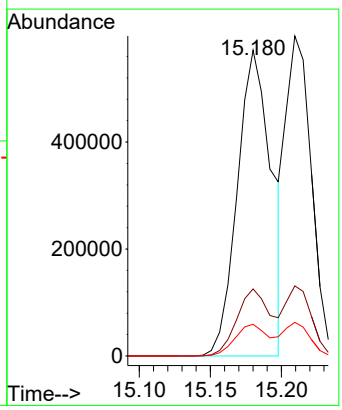
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

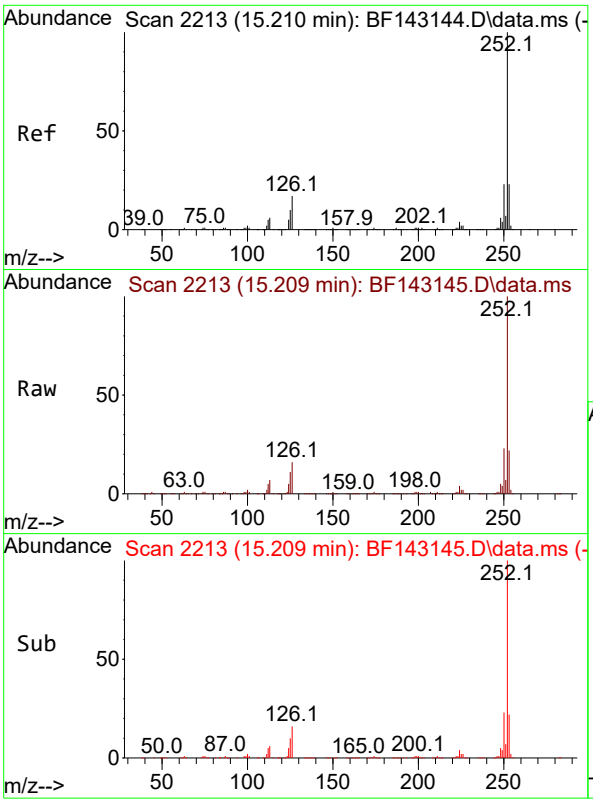


#88
Benzo(b)fluoranthene
Concen: 55.319 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 953990

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.4	8.0	12.0

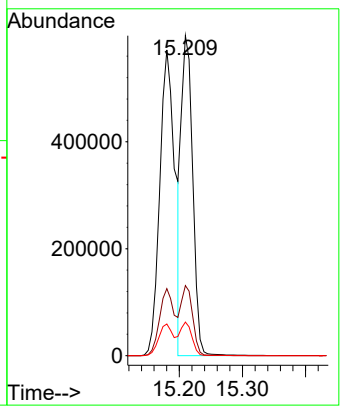




#89
Benzo(k)fluoranthene
Concen: 49.024 ng
RT: 15.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 75441

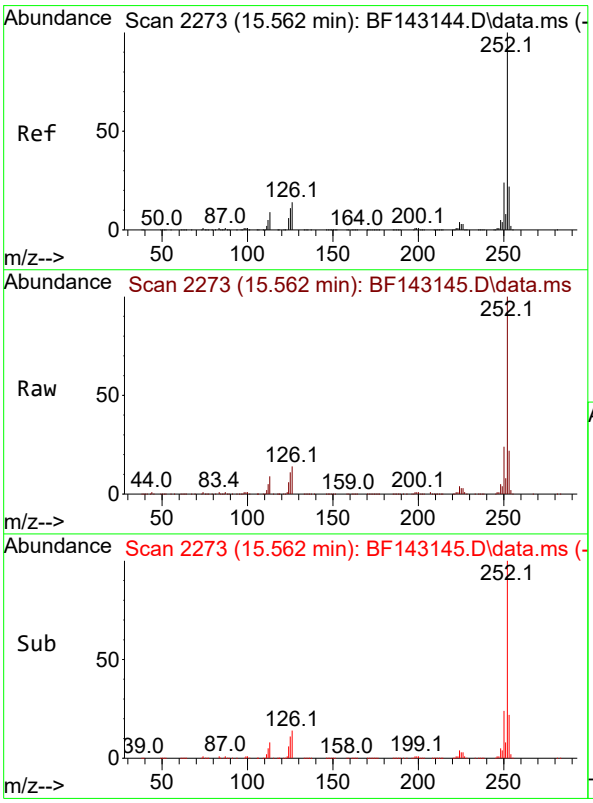
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.5	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

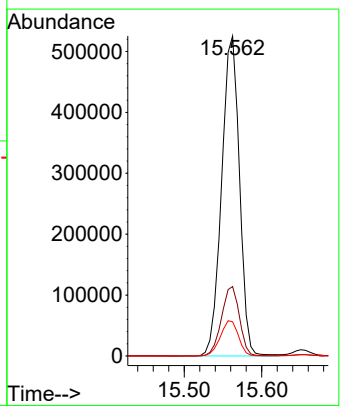
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

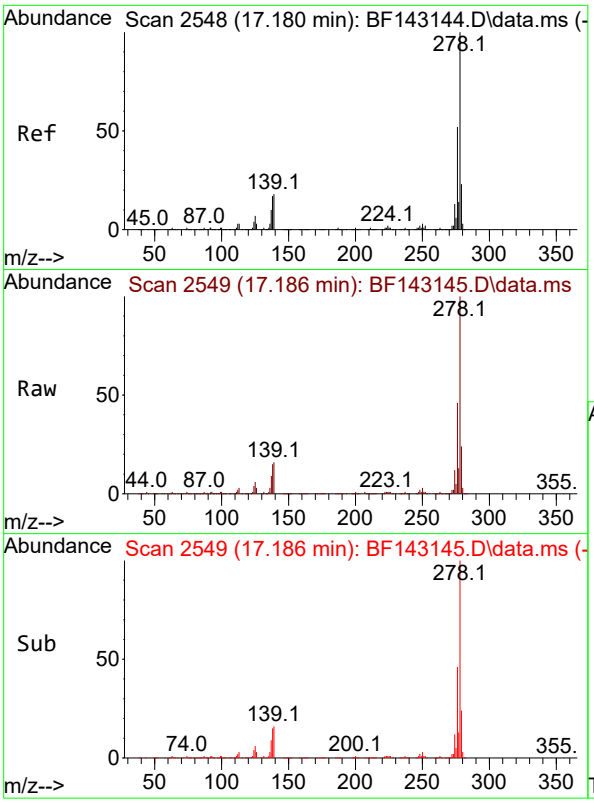


#90
Benzo(a)pyrene
Concen: 52.928 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 840968

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.7	8.6	13.0

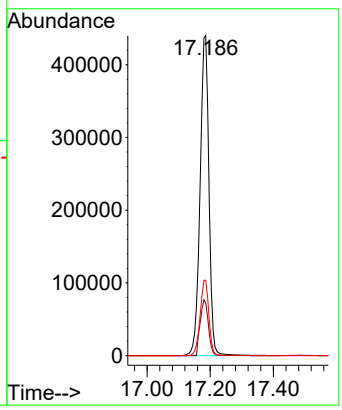




#91
Dibenzo(a,h)anthracene
Concen: 53.172 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:278 Resp: 86146

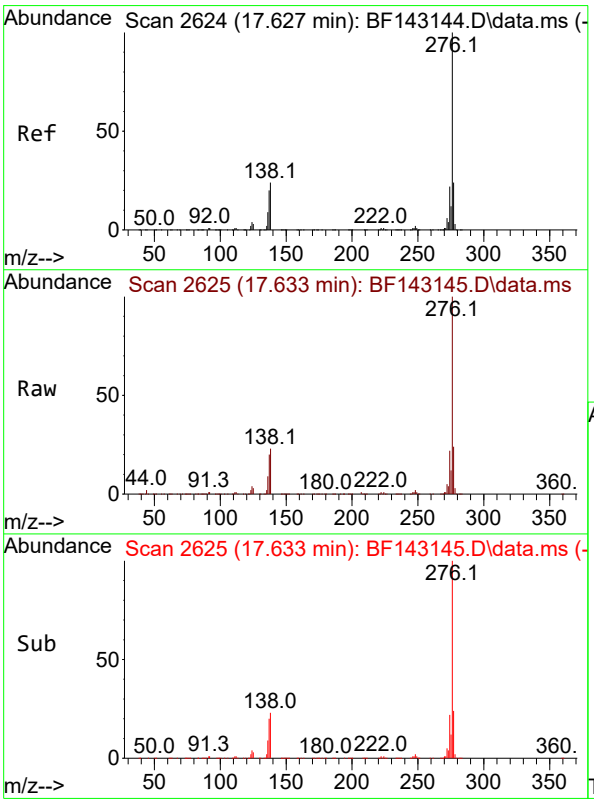
Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.1	21.1
279	23.5	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

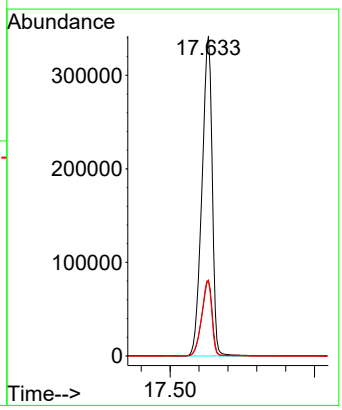
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 53.845 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:276 Resp: 843865

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	23.5	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	153150	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	573541	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	286544	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	442888	20.000	ng	0.00
76) Chrysene-d12	14.121	240	264384	20.000	ng	0.00
86) Perylene-d12	15.621	264	315904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1096776	113.327	ng	0.00
7) Phenol-d6	6.587	99	1384010	113.616	ng	0.00
23) Nitrobenzene-d5	7.528	82	1367018	118.809	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	354678	119.817	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2274500	108.558	ng	0.00
79) Terphenyl-d14	13.069	244	1888544	106.298	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.805	88	268511	58.635	ng	99
3) Pyridine	3.581	79	700860	58.965	ng	99
4) n-Nitrosodimethylamine	3.534	42	369452	60.203	ng	99
6) Aniline	6.628	93	982918	57.896	ng	100
8) 2-Chlorophenol	6.751	128	589870	58.147	ng	98
9) Benzaldehyde	6.516	77	515585	56.445	ng	99
10) Phenol	6.604	94	769713m	58.002	ng	
11) bis(2-Chloroethyl)ether	6.698	93	588491	57.918	ng	99
12) 1,3-Dichlorobenzene	6.910	146	625605	56.769	ng	99
13) 1,4-Dichlorobenzene	6.981	146	623375	56.171	ng	98
14) 1,2-Dichlorobenzene	7.140	146	598571	56.708	ng	99
15) Benzyl Alcohol	7.098	79	548155	58.934	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1076628	57.120	ng	98
17) 2-Methylphenol	7.210	107	498077	58.393	ng	99
18) Hexachloroethane	7.481	117	225488	58.691	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	437750	56.012	ng	100
20) 3+4-Methylphenols	7.363	107	582354	56.273	ng	96
22) Acetophenone	7.375	105	760969	56.041	ng	99
24) Nitrobenzene	7.545	77	641832	59.832	ng	99
25) Isophorone	7.787	82	1202506	59.202	ng	99
26) 2-Nitrophenol	7.857	139	304218	65.345	ng	97
27) 2,4-Dimethylphenol	7.892	122	548823	57.833	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	696403	57.184	ng	99
29) 2,4-Dichlorophenol	8.098	162	466809	58.329	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	498478	57.653	ng	99
31) Naphthalene	8.269	128	1575696	55.784	ng	99
32) Benzoic acid	8.010	122	321703	58.961	ng	99
33) 4-Chloroaniline	8.310	127	659467	57.178	ng	99
34) Hexachlorobutadiene	8.392	225	307552	58.230	ng	99
35) Caprolactam	8.692	113	145894	60.327	ng	100
36) 4-Chloro-3-methylphenol	8.787	107	506142	58.186	ng	99
37) 2-Methylnaphthalene	8.957	142	966031	56.203	ng	99
38) 1-Methylnaphthalene	9.057	142	997009	56.329	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	479450	57.955	ng	99
41) Hexachlorocyclopentadiene	9.116	237	337833	62.761	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	344941	60.246	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	339656	59.305	ng	99
46) 1,1'-Biphenyl	9.422	154	1265588	56.610	ng	100
47) 2-Chloronaphthalene	9.451	162	948912	57.364	ng	100
48) 2-Nitroaniline	9.534	65	331501	63.904	ng	99
49) Acenaphthylene	9.863	152	1576240	56.860	ng	100
50) Dimethylphthalate	9.722	163	1075052	57.558	ng	100
51) 2,6-Dinitrotoluene	9.775	165	238103	62.665	ng	97
52) Acenaphthene	10.039	154	930883	56.814	ng	98
53) 3-Nitroaniline	9.945	138	273506	61.542	ng	100
54) 2,4-Dinitrophenol	10.045	184	101491	60.690	ng	72
55) Dibenzofuran	10.210	168	1364531	56.093	ng	100
56) 4-Nitrophenol	10.092	139	203477	61.312	ng	99
57) 2,4-Dinitrotoluene	10.181	165	304460	63.868	ng	97
58) Fluorene	10.551	166	997710	54.647	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	283124	59.678	ng	99
60) Diethylphthalate	10.422	149	1057851	57.301	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	516980	56.867	ng	99
62) 4-Nitroaniline	10.563	138	232488	61.037	ng	98
63) Azobenzene	10.698	77	1098772	57.107	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	144751	60.728	ng	98
66) n-Nitrosodiphenylamine	10.657	169	910468	58.380	ng	98
67) 4-Bromophenyl-phenylether	11.028	248	318085	60.266	ng	99
68) Hexachlorobenzene	11.104	284	325779	59.054	ng	96
69) Atrazine	11.181	200	262374	61.024	ng	100
70) Pentachlorophenol	11.286	266	206417	63.625	ng	98
71) Phenanthrene	11.510	178	1331485	56.620	ng	100
72) Anthracene	11.563	178	1379601	57.522	ng	100
73) Carbazole	11.710	167	1194026	57.015	ng	100
74) Di-n-butylphthalate	12.045	149	1392335	58.757	ng	100
75) Fluoranthene	12.698	202	1232952	57.122	ng	99
77) Benzidine	12.810	184	476553	46.785	ng	100
78) Pyrene	12.927	202	1207978	53.536	ng	99
80) Butylbenzylphthalate	13.539	149	441334	63.875	ng	99
81) Benzo(a)anthracene	14.110	228	1041236	58.825	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	348979	59.155	ng	100
83) Chrysene	14.151	228	930545	58.472	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	655482	62.678	ng	100
85) Di-n-octyl phthalate	14.716	149	1196044	63.095	ng	100
87) Indeno(1,2,3-cd)pyrene	17.168	276	1337361	60.037	ng	99
88) Benzo(b)fluoranthene	15.180	252	1125667	58.328	ng	100
89) Benzo(k)fluoranthene	15.216	252	1023132	59.411	ng	99
90) Benzo(a)pyrene	15.563	252	1062049	59.730	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	1080768	59.610	ng	98
92) Benzo(g,h,i)perylene	17.639	276	1055168	60.163	ng	99

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

ICAL Form

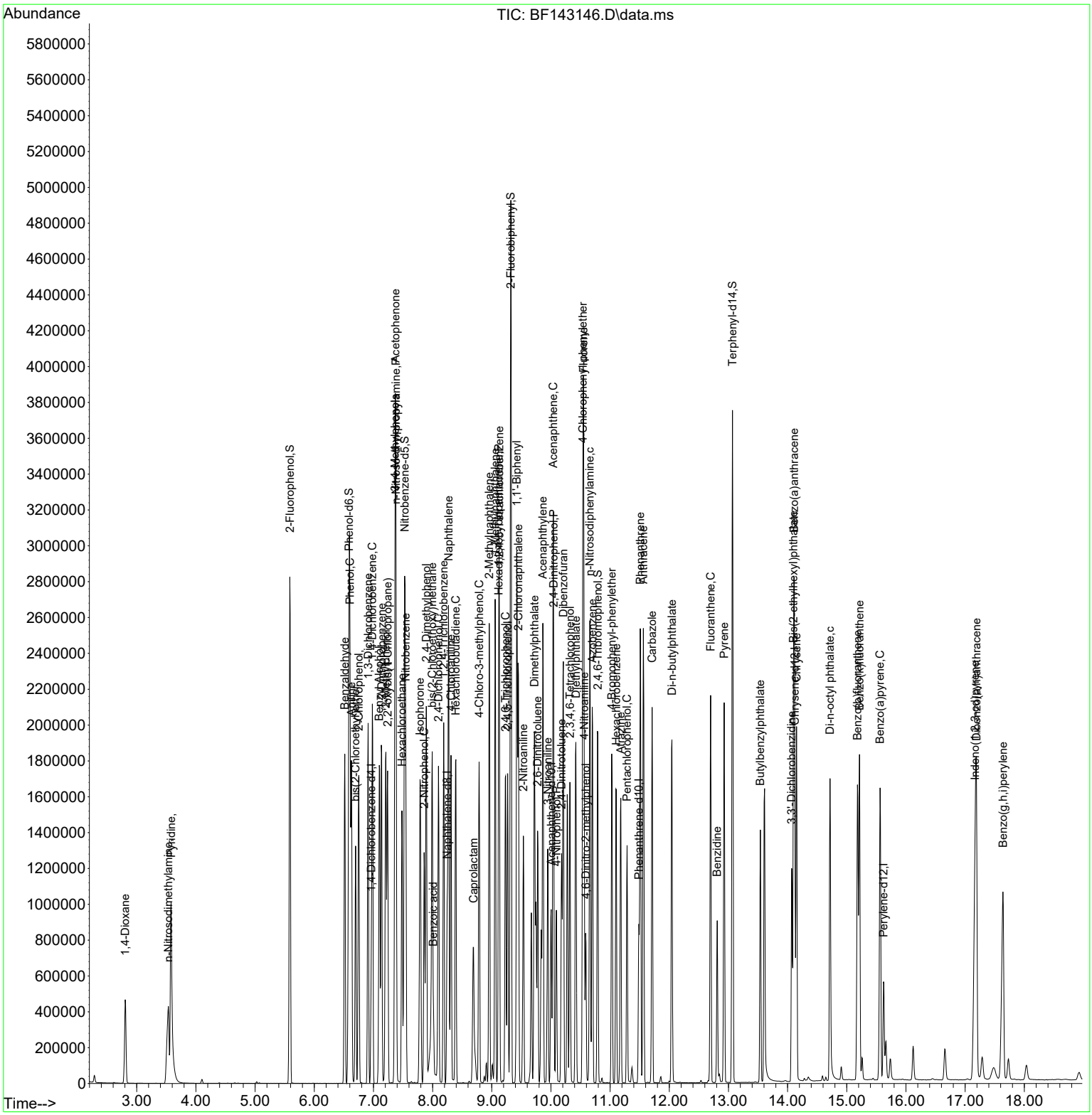
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

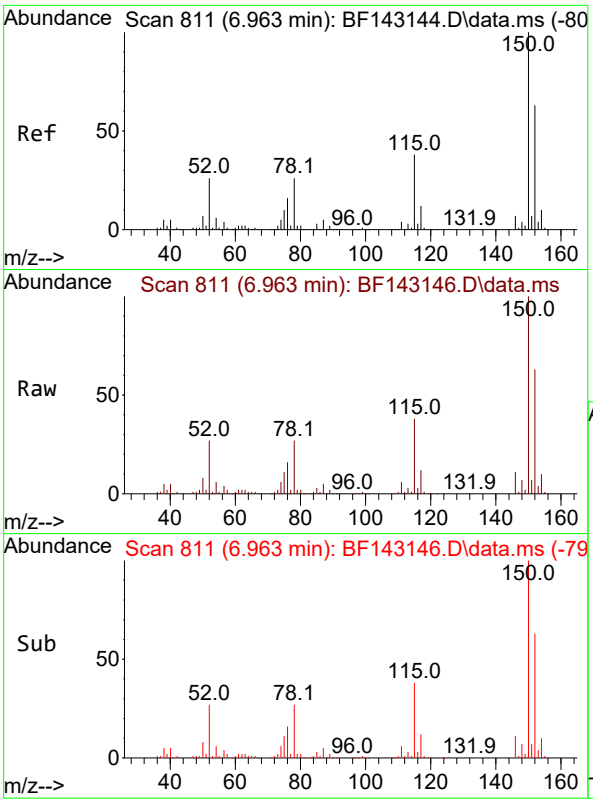
Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

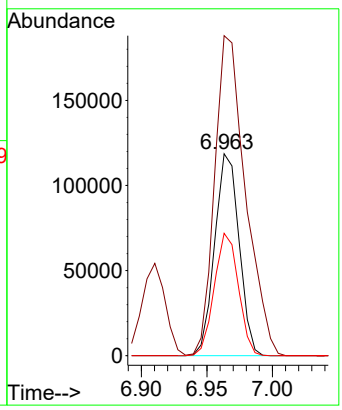




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:152 Resp: 15315

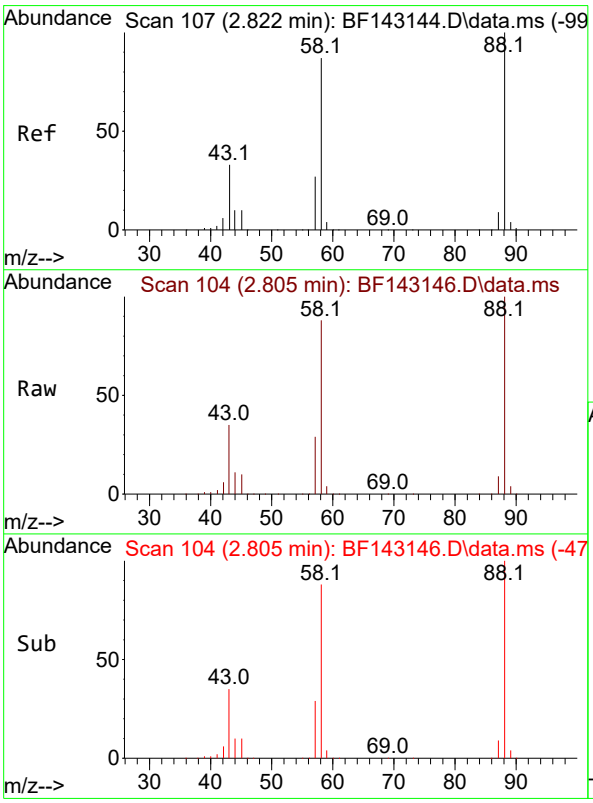
Ion	Ratio	Lower	Upper
152	100		
150	158.5	128.2	192.4
115	60.7	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

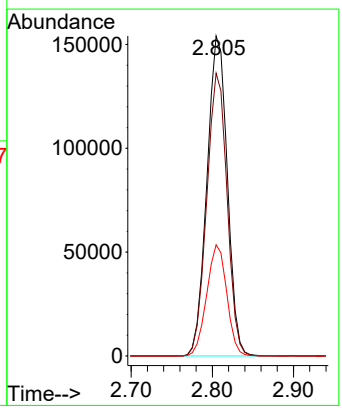
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

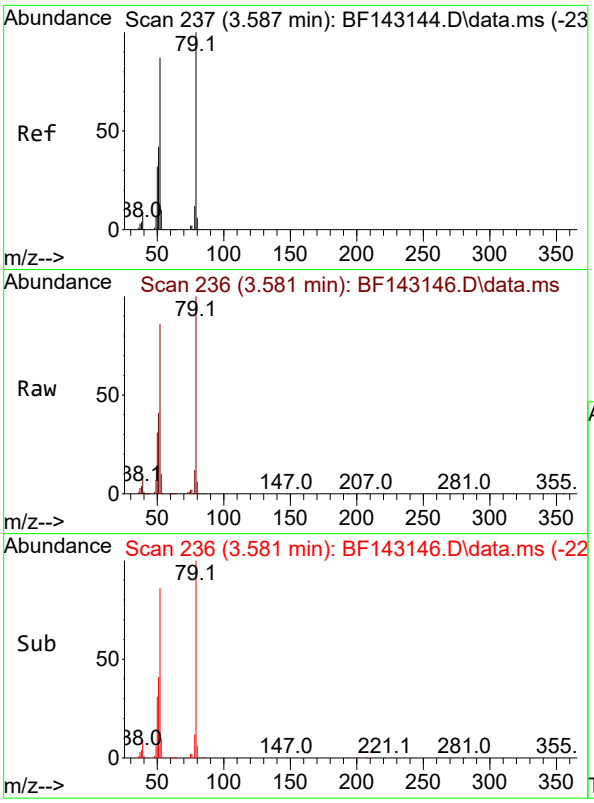


#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 88 Resp: 268511

Ion	Ratio	Lower	Upper
88	100		
58	88.2	70.2	105.2
43	34.2	27.1	40.7

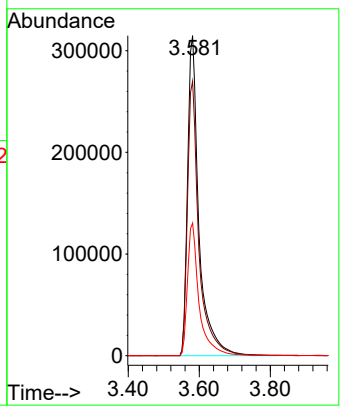




#3
Pyridine
Concen: 58.965 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 79 Resp: 70086

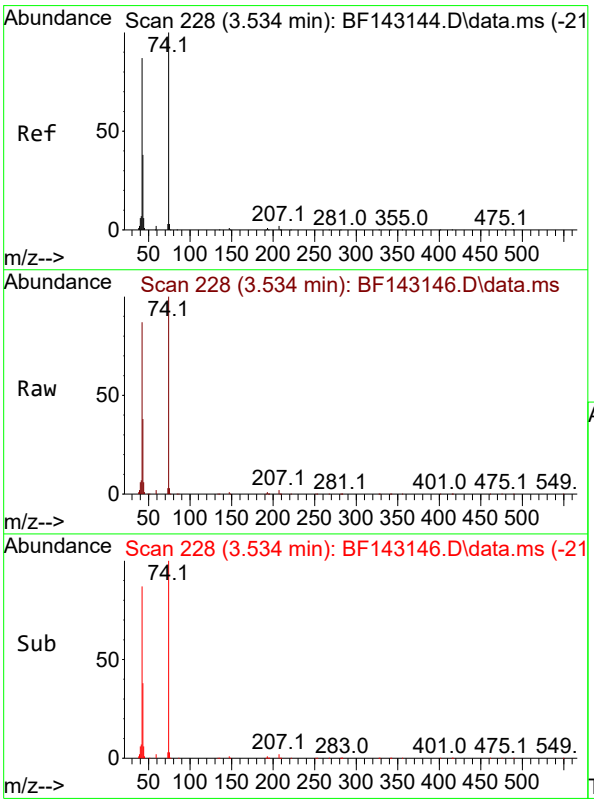
Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.4	104.2
51	41.4	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

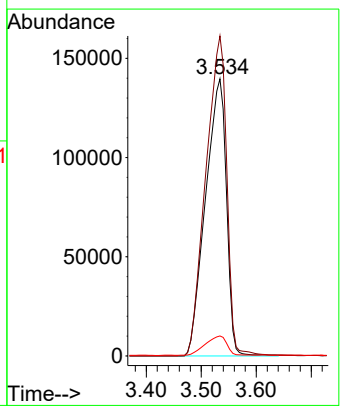
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

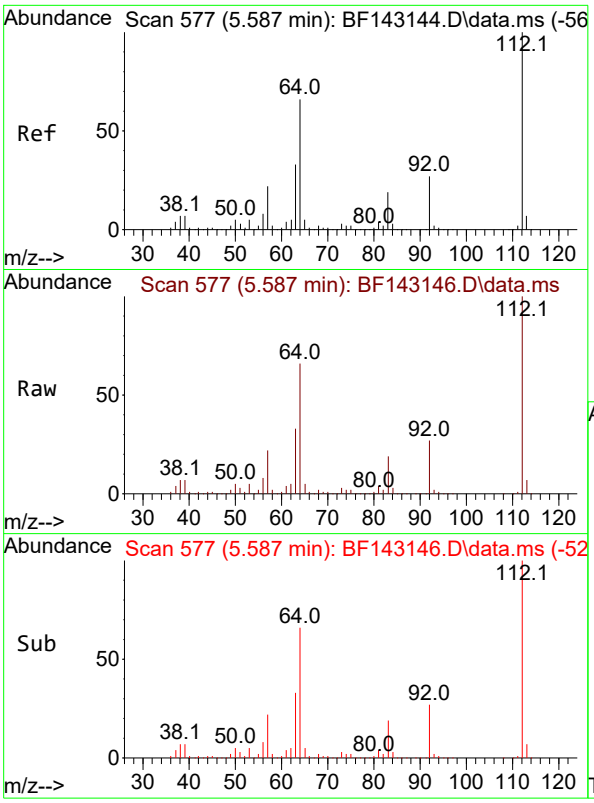


#4
n-Nitrosodimethylamine
Concen: 60.203 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 42 Resp: 369452

Ion	Ratio	Lower	Upper
42	100		
74	115.5	91.7	137.5
44	7.2	5.6	8.4

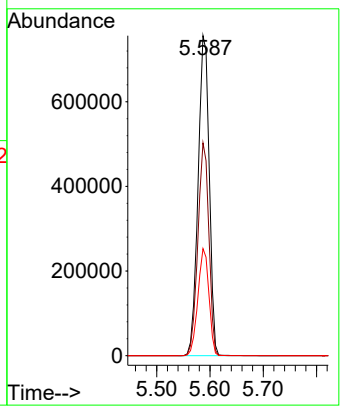




#5
2-Fluorophenol
Concen: 113.327 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:112 Resp: 109677

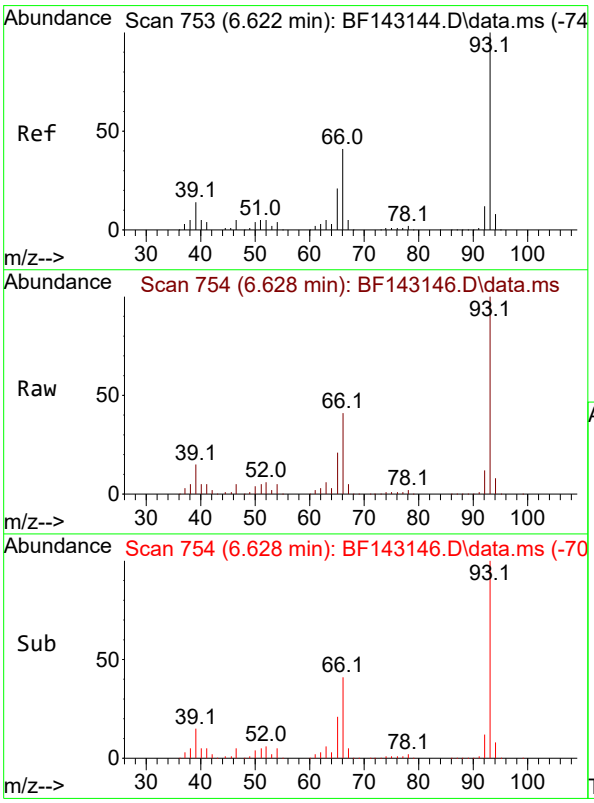
Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.1	79.7
63	33.4	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

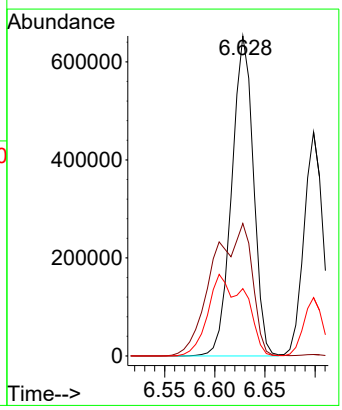
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

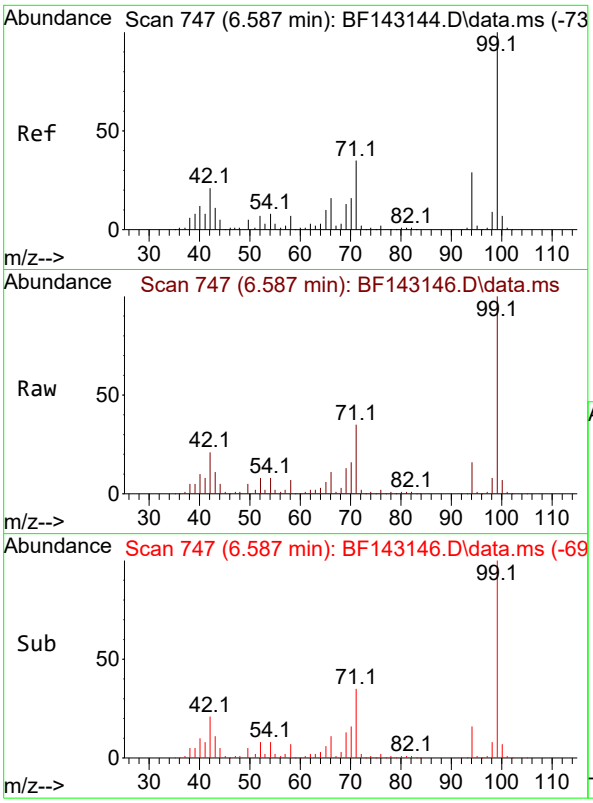


#6
Aniline
Concen: 57.896 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 982918

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.2	49.8
65	21.0	16.9	25.3

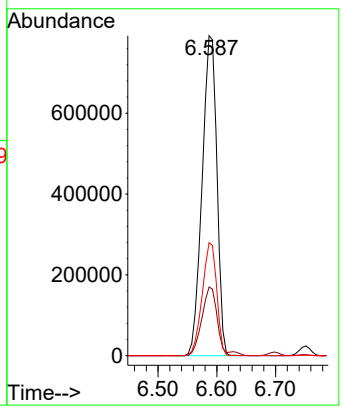




#7
Phenol-d6
Concen: 113.616 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 99 Resp: 138401

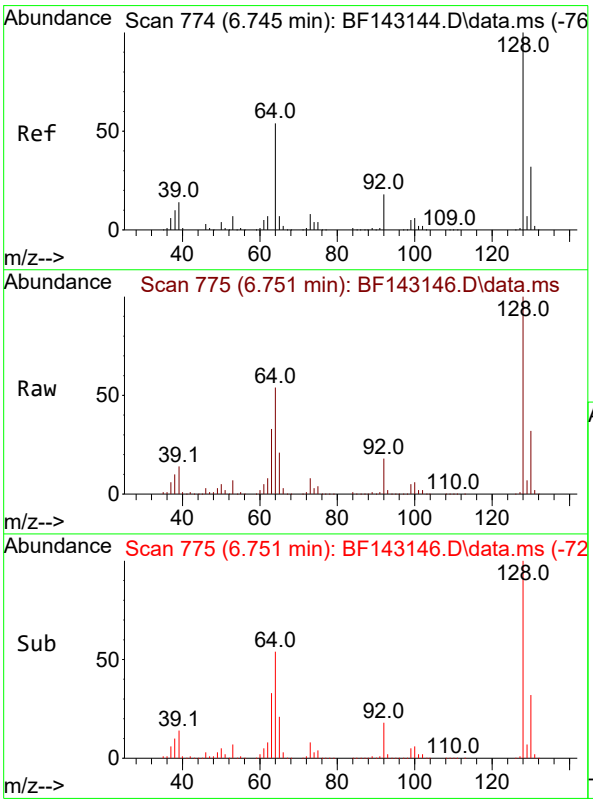
Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	35.3	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

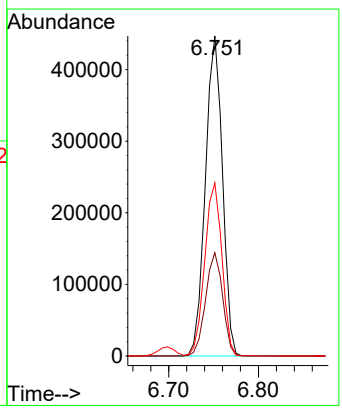
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

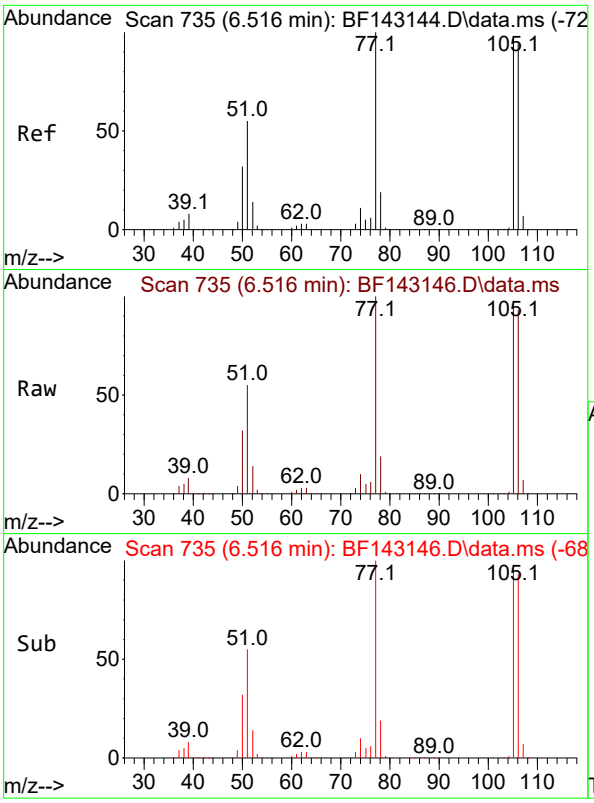


#8
2-Chlorophenol
Concen: 58.147 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:128 Resp: 589870

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	54.0	35.9	75.9

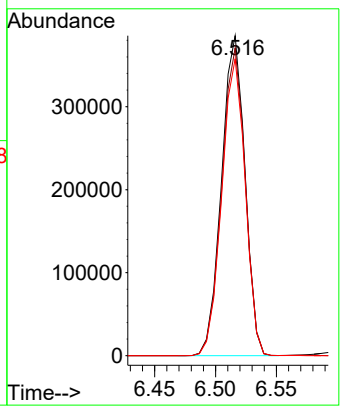




#9
Benzaldehyde
Concen: 56.445 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 77 Resp: 51558

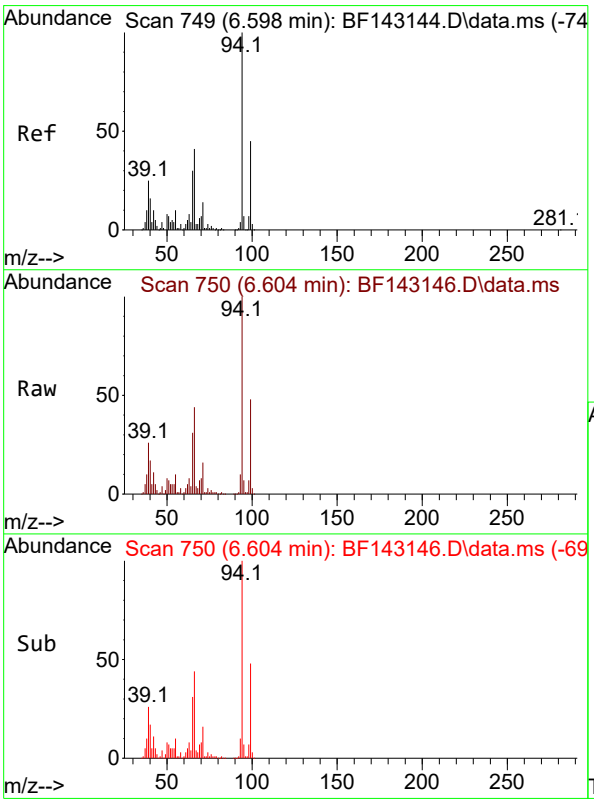
Ion	Ratio	Lower	Upper
77	100		
105	96.1	76.8	116.8
106	92.7	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

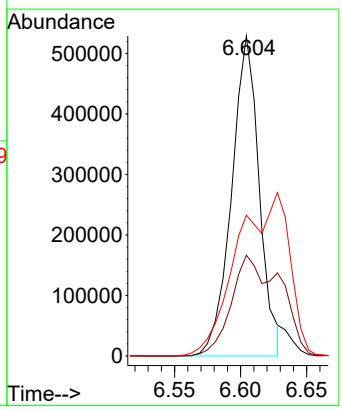
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

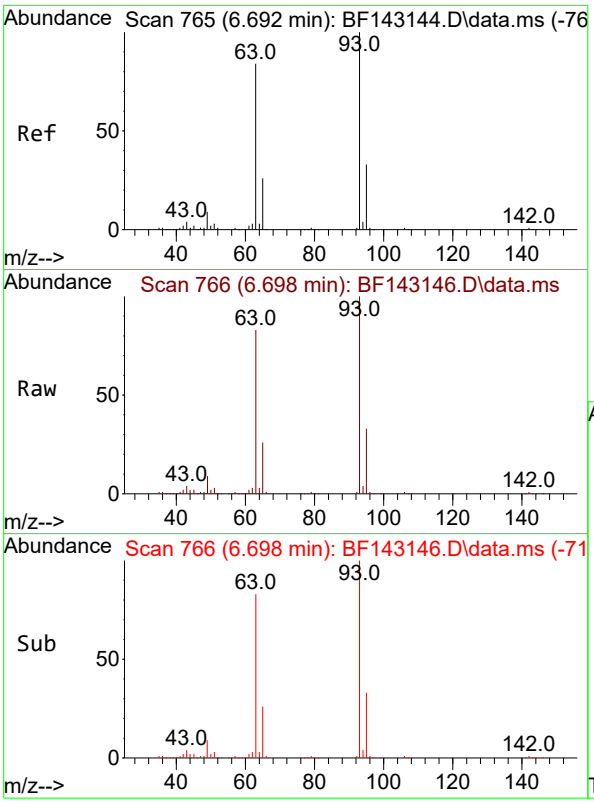


#10
Phenol
Concen: 58.002 ng m
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 94 Resp: 769713

Ion	Ratio	Lower	Upper
94	100		
65	31.5	10.0	50.0
66	44.0	20.8	60.8

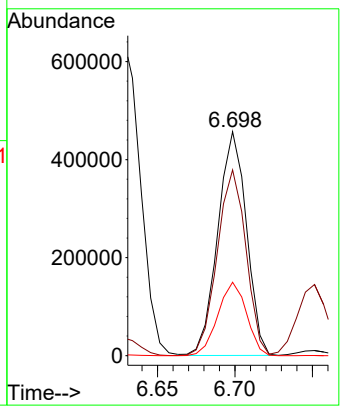




#11
bis(2-Chloroethyl)ether
Concen: 57.918 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 58849

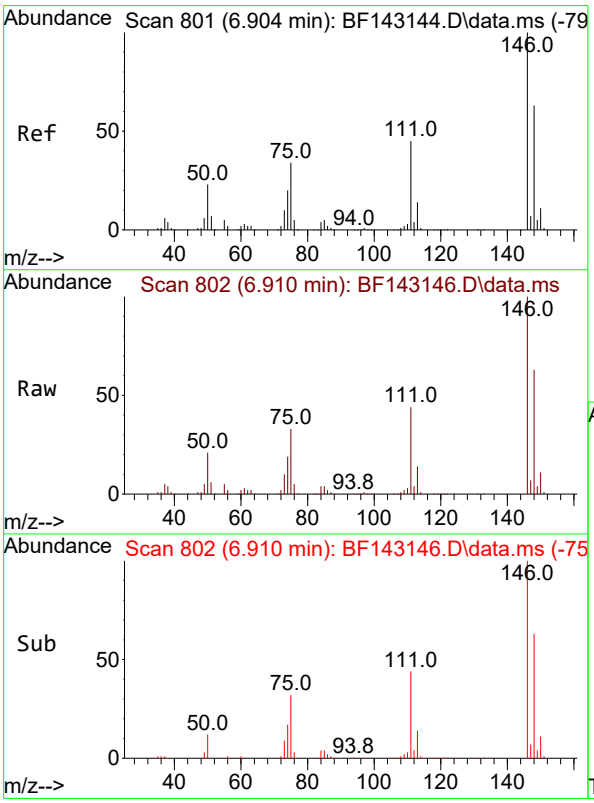
Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.4	103.4
95	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

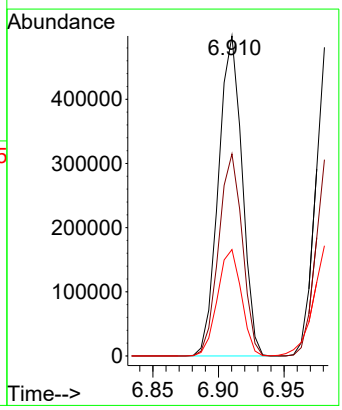
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

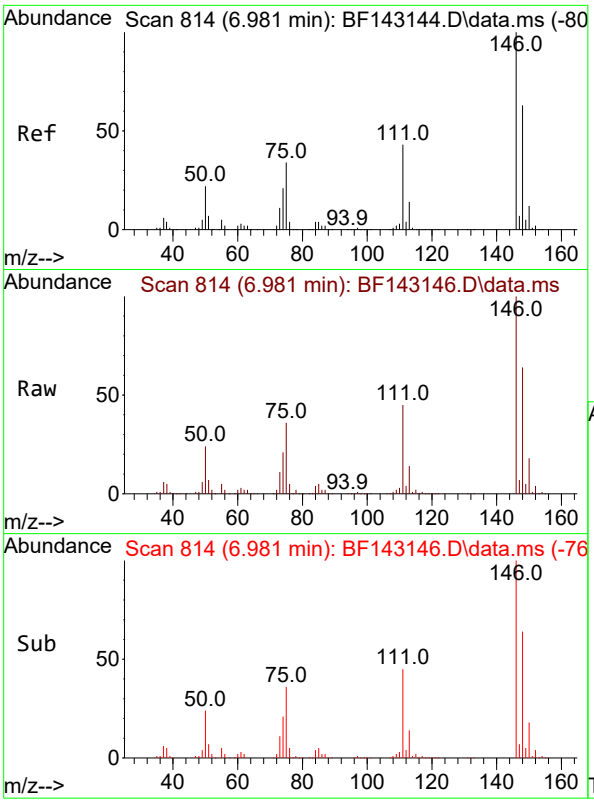


#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 625605

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
75	33.2	27.4	41.2

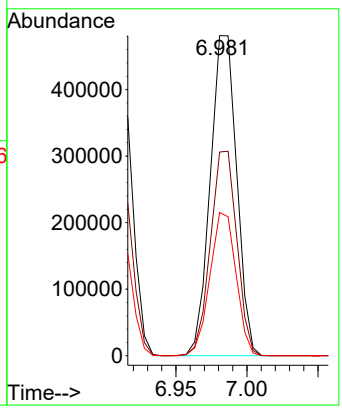




#13
1,4-Dichlorobenzene
Concen: 56.171 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 62337

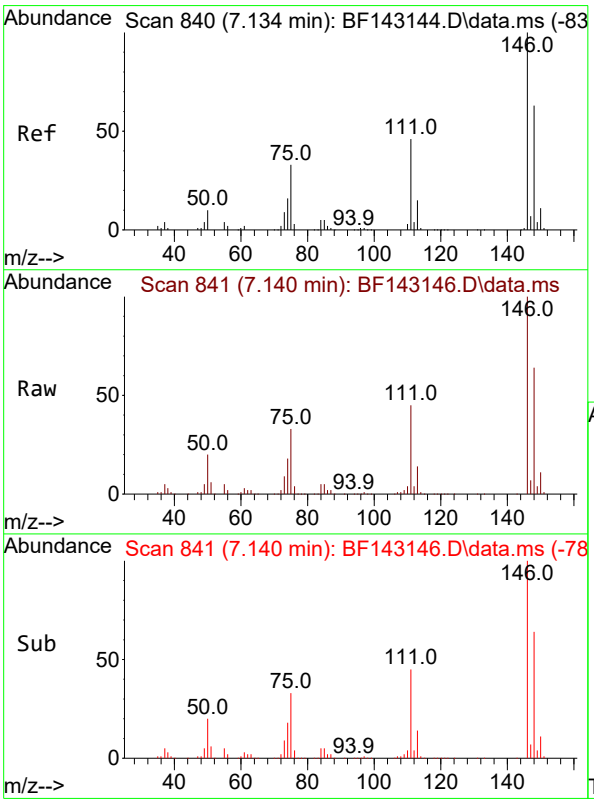
Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.3	75.5
111	44.7	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

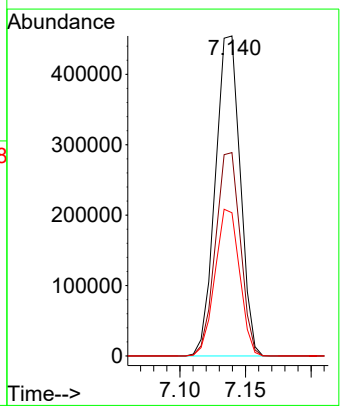
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

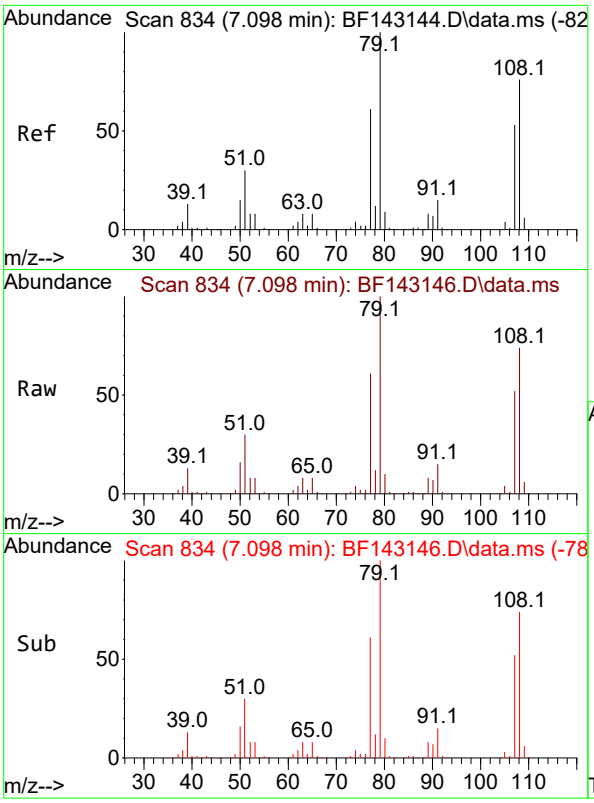


#14
1,2-Dichlorobenzene
Concen: 56.708 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 598571

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.7	76.1
111	44.8	36.6	54.8

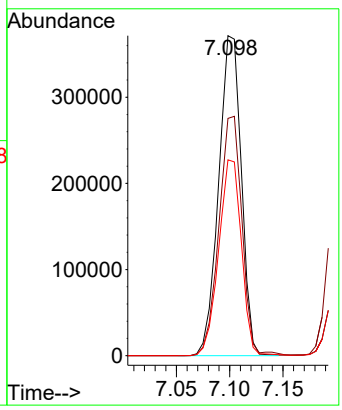




#15
Benzyl Alcohol
Concen: 58.934 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 79 Resp: 54815

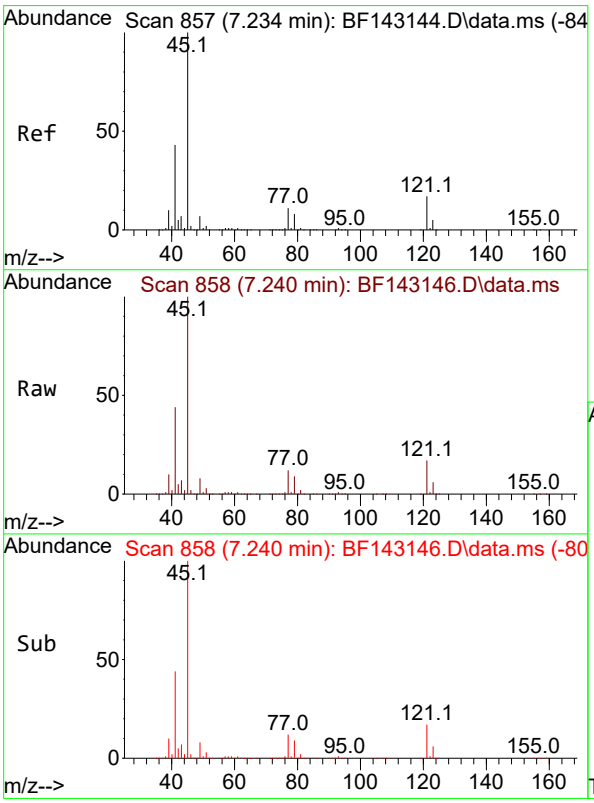
Ion	Ratio	Lower	Upper
79	100		
108	74.2	61.1	91.7
77	61.2	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

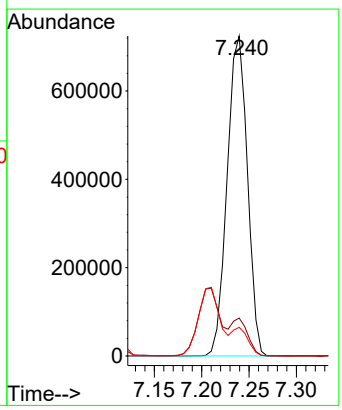
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

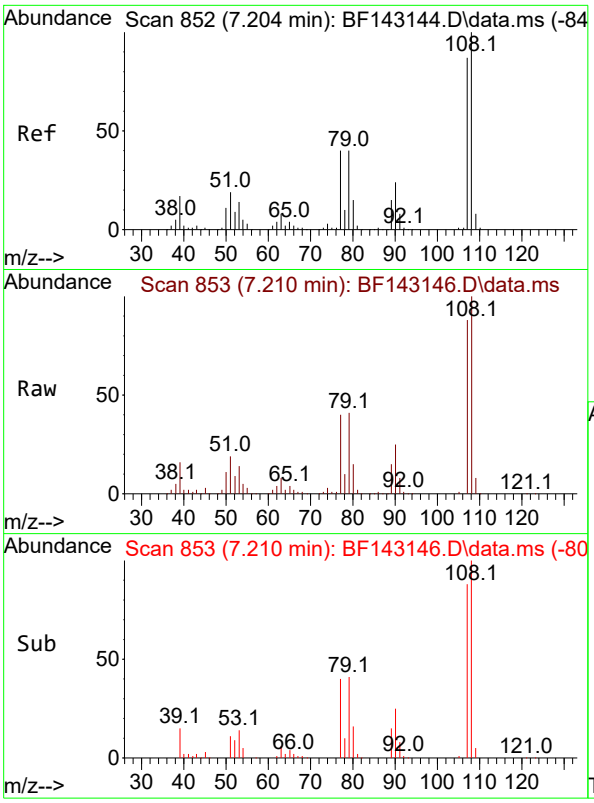


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.120 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 45 Resp: 1076628

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.2
79	9.0	0.0	28.5

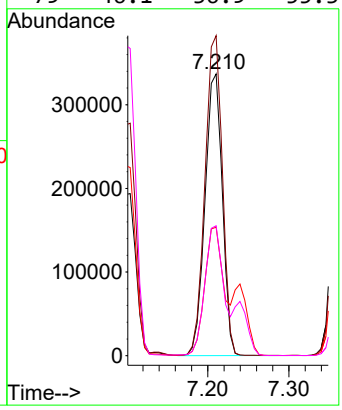




#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 49807

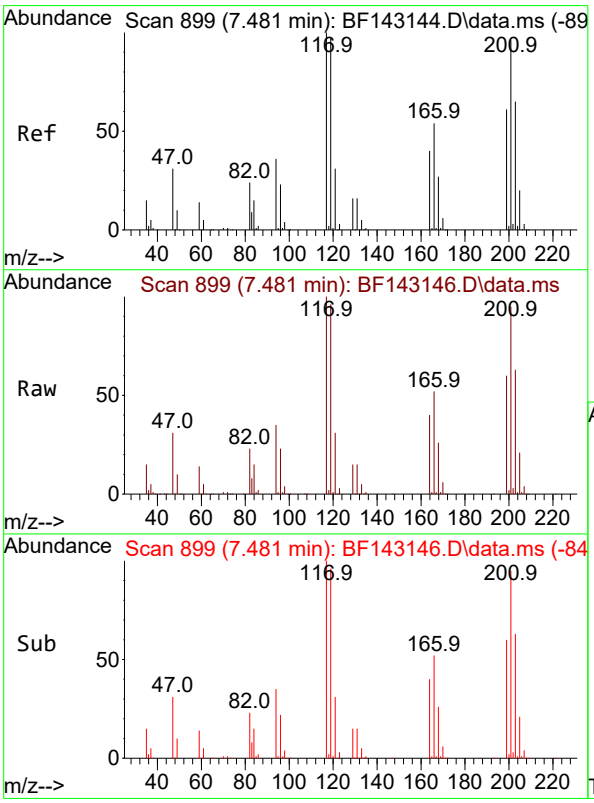
Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.8	137.6
77	45.6	37.0	55.6
79	46.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

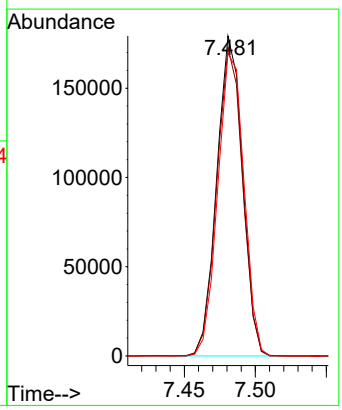
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

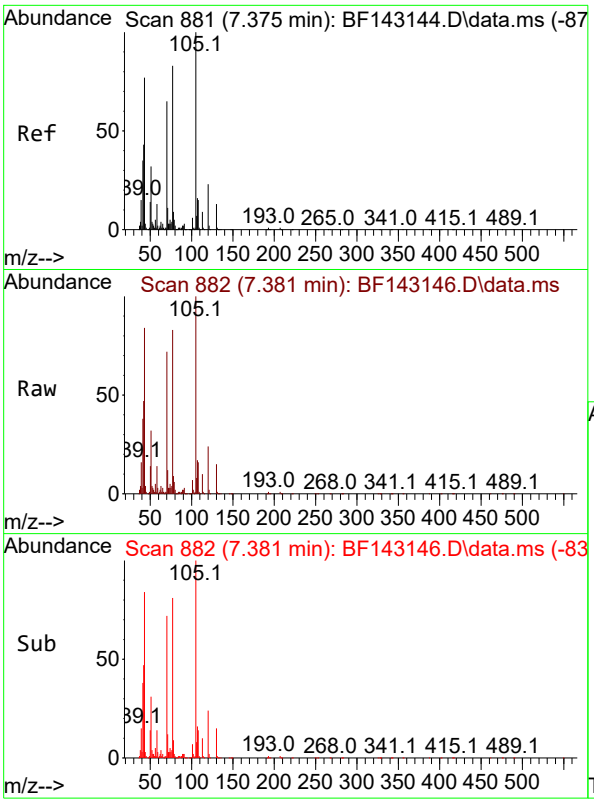


#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:117 Resp: 225488

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.8
201	94.6	77.0	115.4

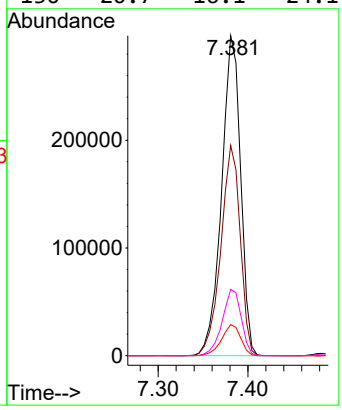




#19
n-Nitroso-di-n-propylamine
Concen: 56.012 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 70 Resp: 43775

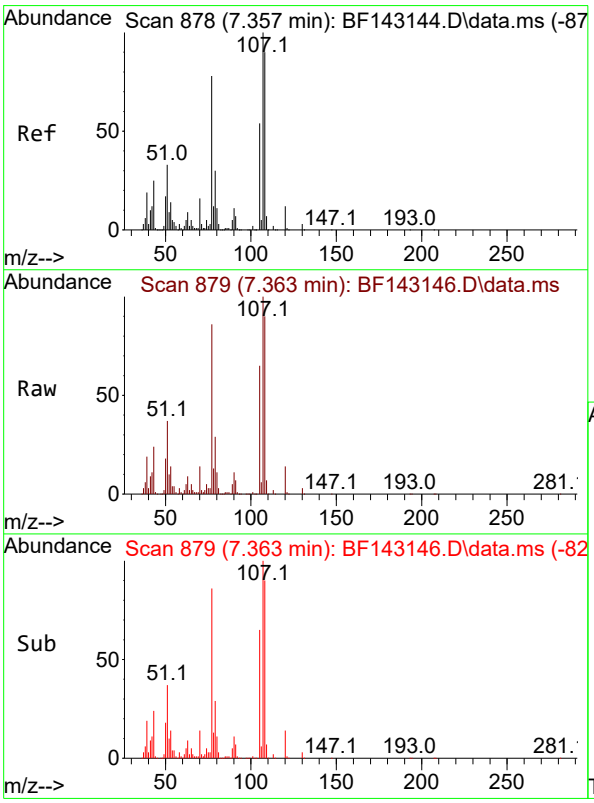
Ion	Ratio	Lower	Upper
70	100		
42	65.7	52.5	78.7
101	9.7	7.6	11.4
130	20.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

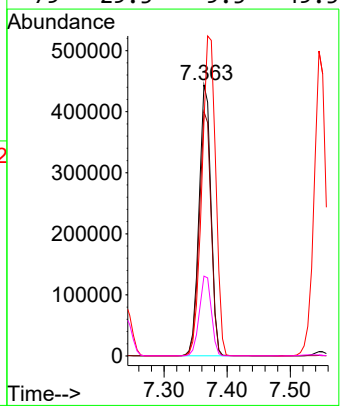
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

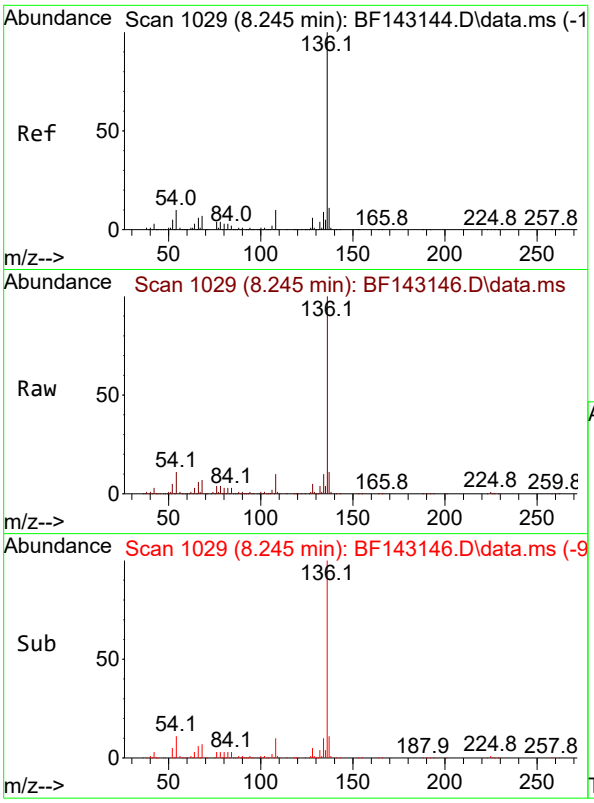


#20
3+4-Methylphenols
Concen: 56.273 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 582354

Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.0	110.0
77	86.3	57.8	97.8
79	29.5	9.5	49.5

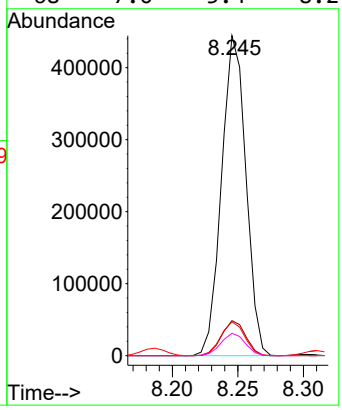




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:136 Resp: 57354

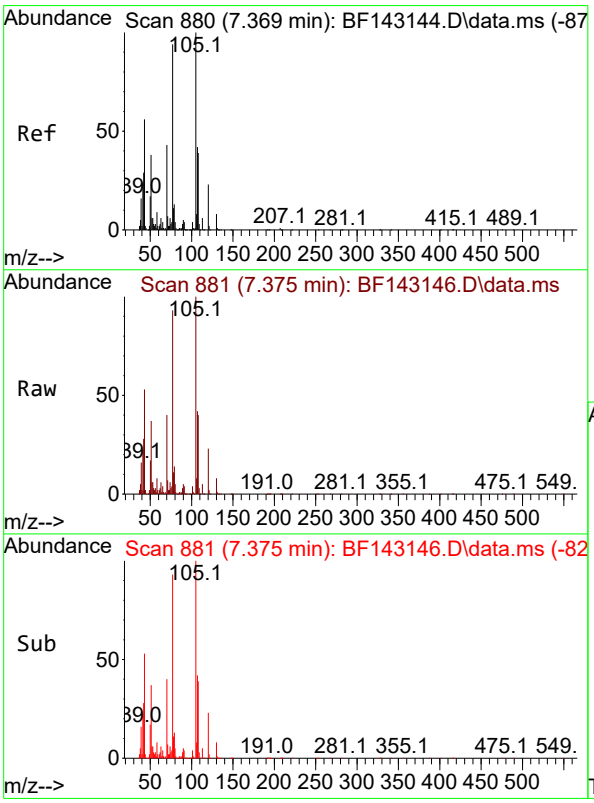
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.0	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

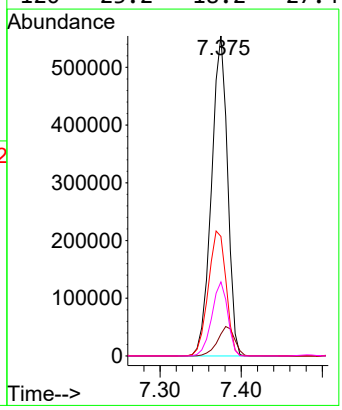
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

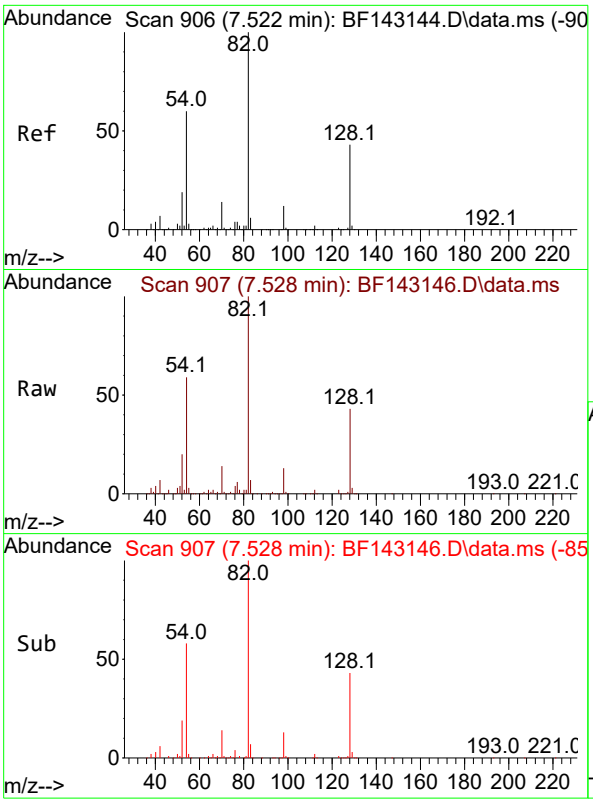


#22
Acetophenone
Concen: 56.041 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:105 Resp: 760969

Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.8	8.6
51	37.4	30.2	45.2
120	23.2	18.2	27.4





#23
Nitrobenzene-d5
Concen: 118.809 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

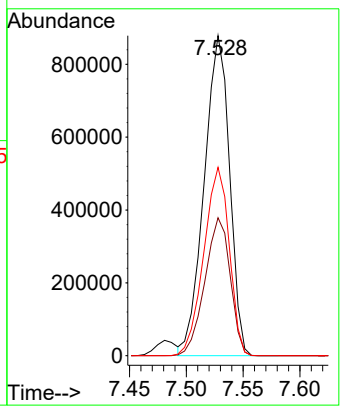
Tgt Ion: 82 Resp: 136701

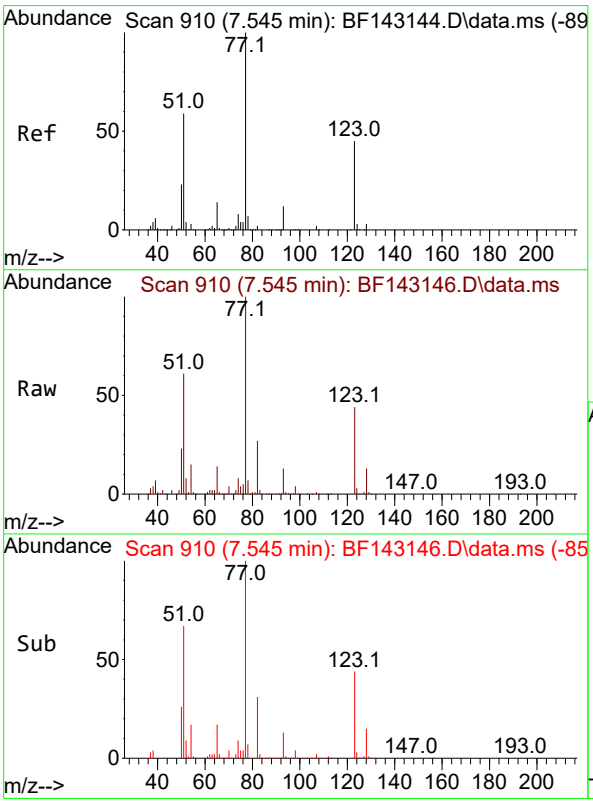
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.9	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

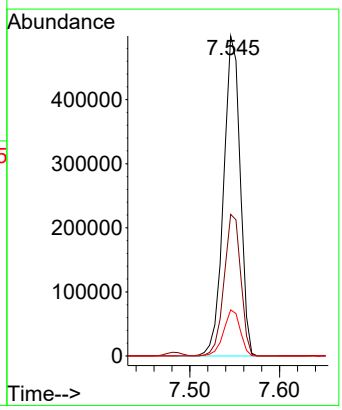


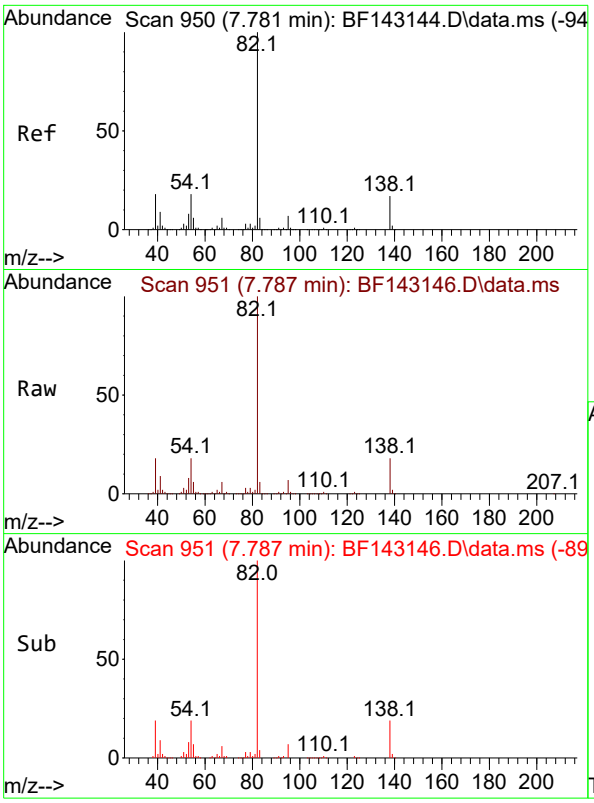


#24
Nitrobenzene
Concen: 59.832 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 77 Resp: 641832

Ion	Ratio	Lower	Upper
77	100		
123	44.3	36.1	54.1
65	14.4	11.4	17.2





#25
Isophorone
Concen: 59.202 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

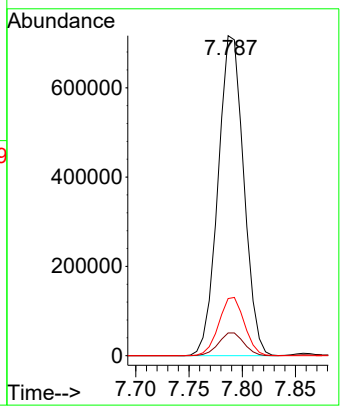
Tgt Ion: 82 Resp: 120250

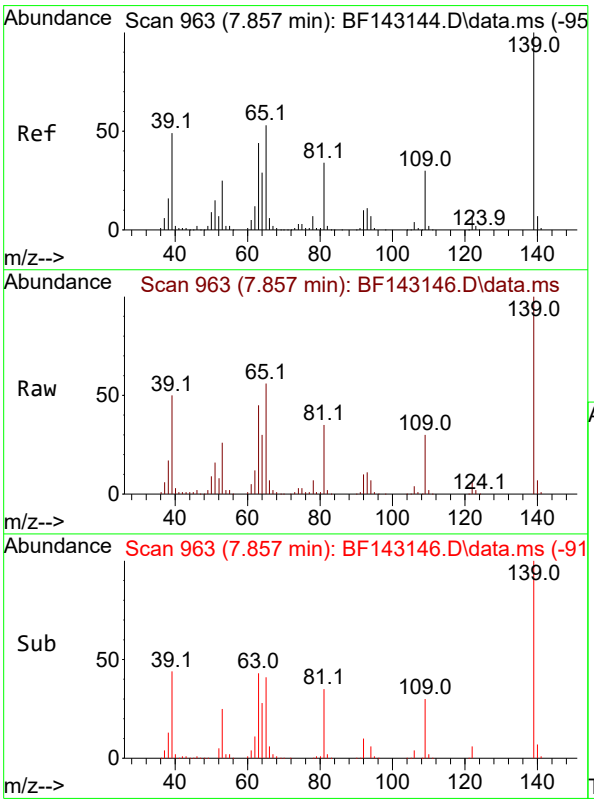
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.9	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

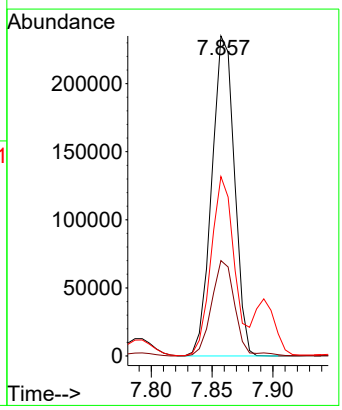


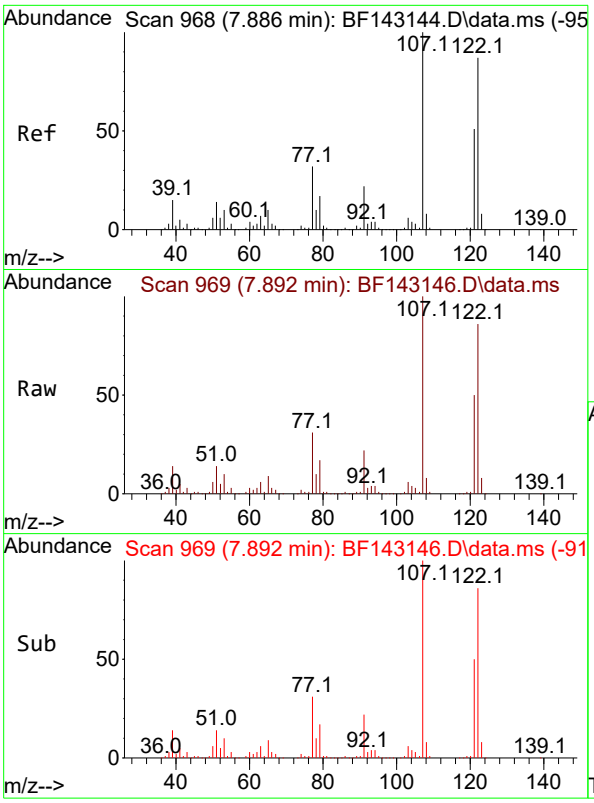


#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 304218

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.6	35.4
65	56.0	42.6	64.0

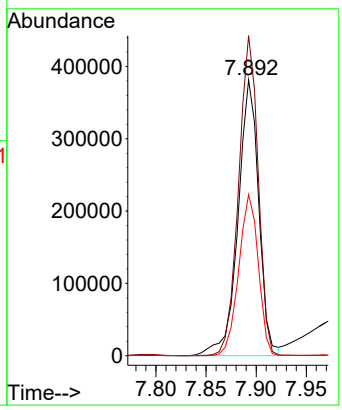




#27
2,4-Dimethylphenol
Concen: 57.833 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:122 Resp: 54882

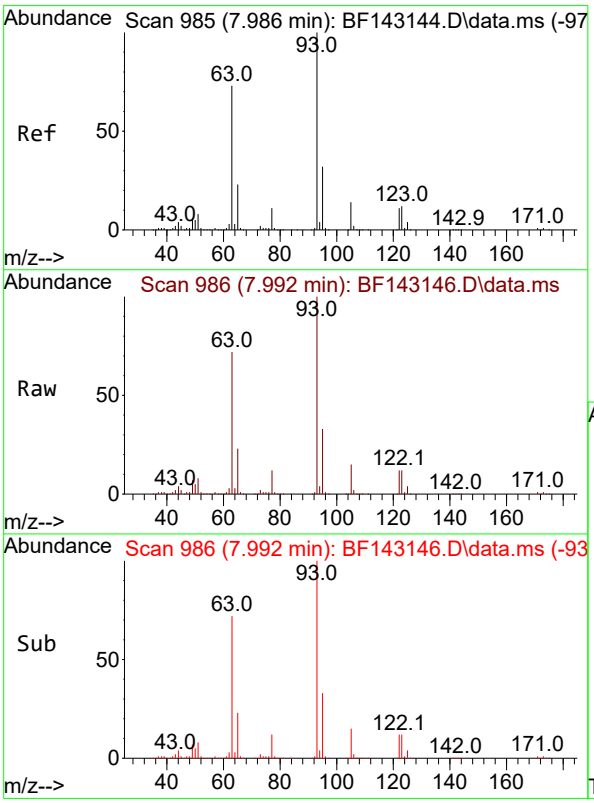
Ion	Ratio	Lower	Upper
122	100		
107	116.0	91.8	137.6
121	58.4	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

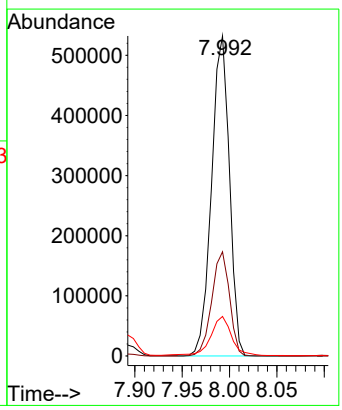
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

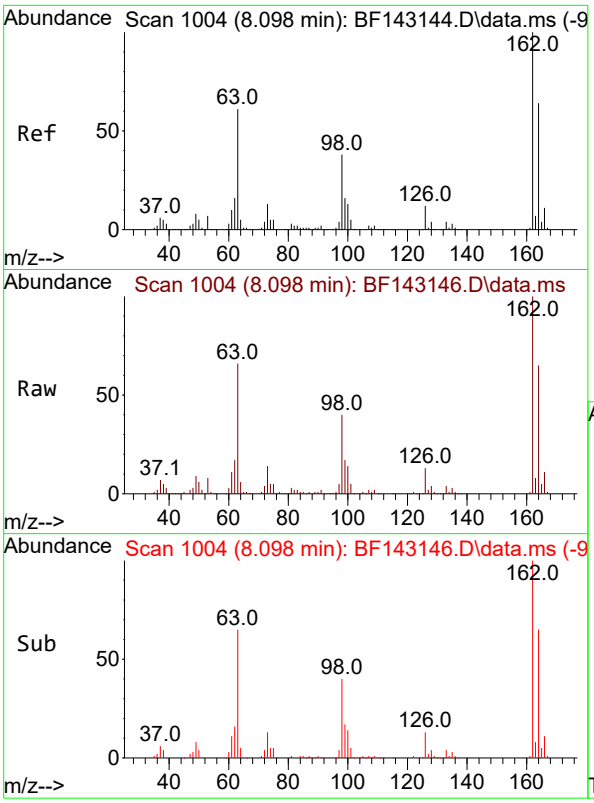


#28
bis(2-Chloroethoxy)methane
Concen: 57.184 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 696403

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.6
123	12.4	9.7	14.5

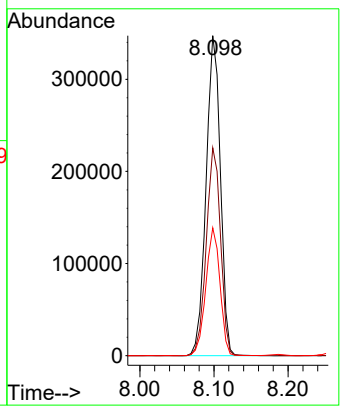




#29
2,4-Dichlorophenol
Concen: 58.329 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:162 Resp: 46680

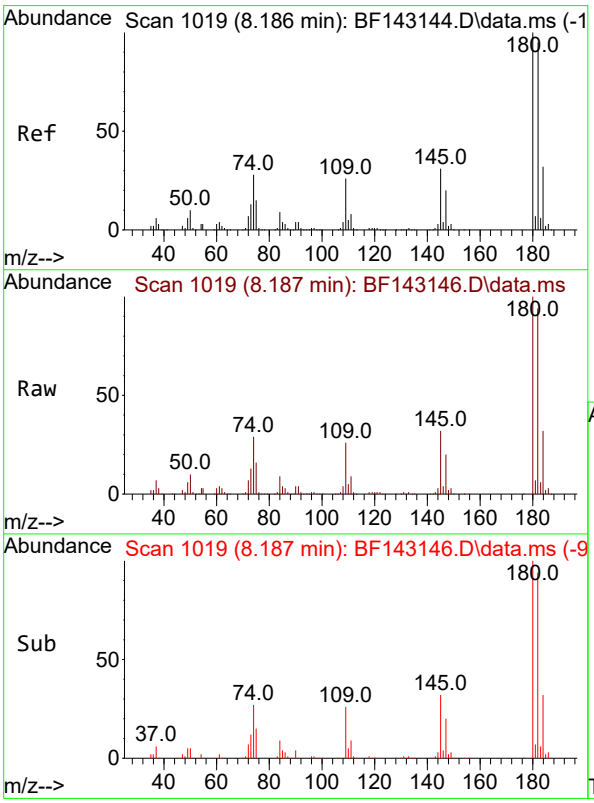
Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.2	84.2
98	39.9	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

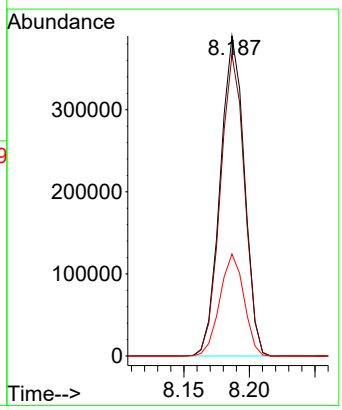
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

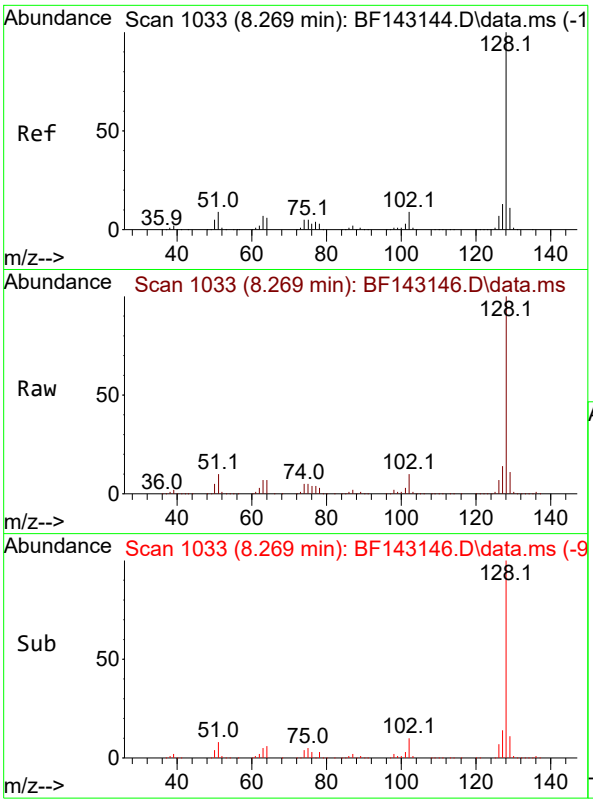


#30
1,2,4-Trichlorobenzene
Concen: 57.653 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:180 Resp: 498478

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.2
145	31.8	25.0	37.6

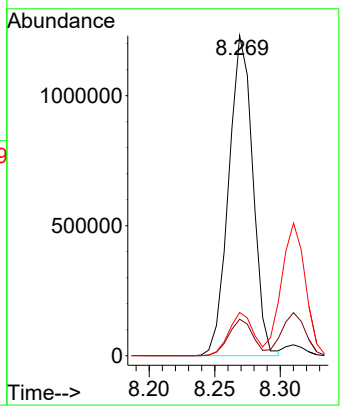




#31
Naphthalene
Concen: 55.784 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:128 Resp: 157569

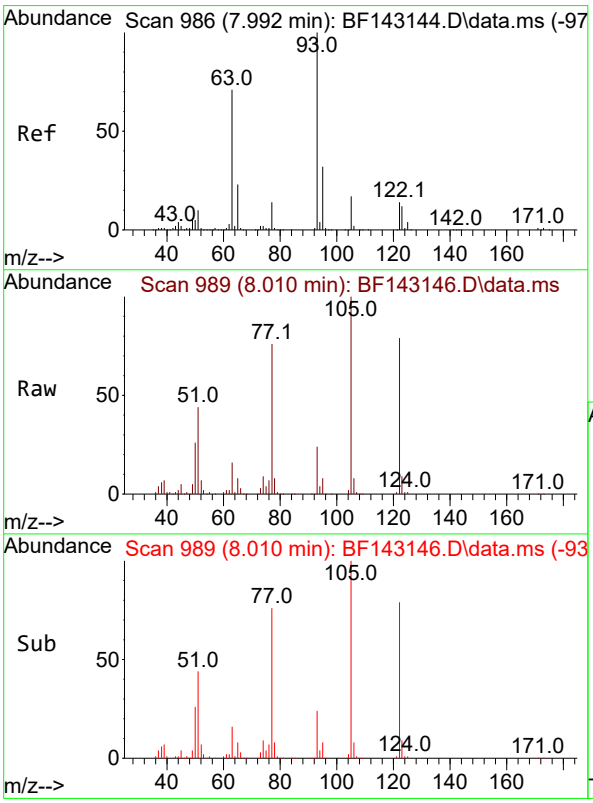
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

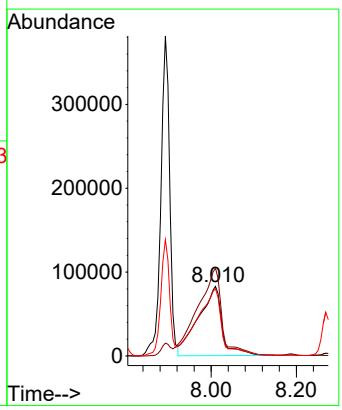
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

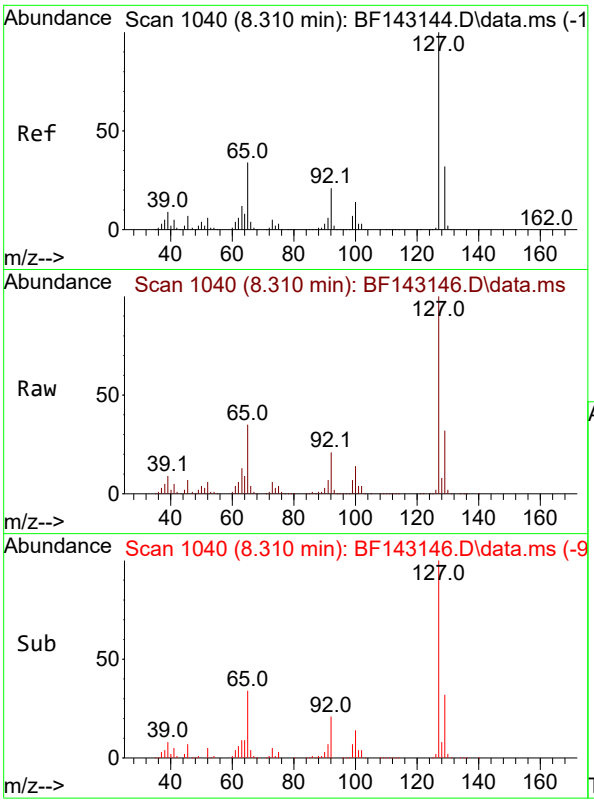


#32
Benzoic acid
Concen: 58.961 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:122 Resp: 321703

Ion	Ratio	Lower	Upper
122	100		
105	126.3	104.8	144.8
77	96.5	77.6	117.6

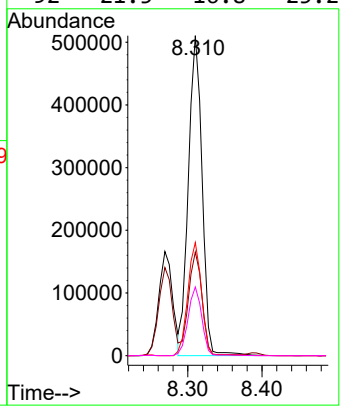




#33
4-Chloroaniline
Concen: 57.178 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:127 Resp: 65946

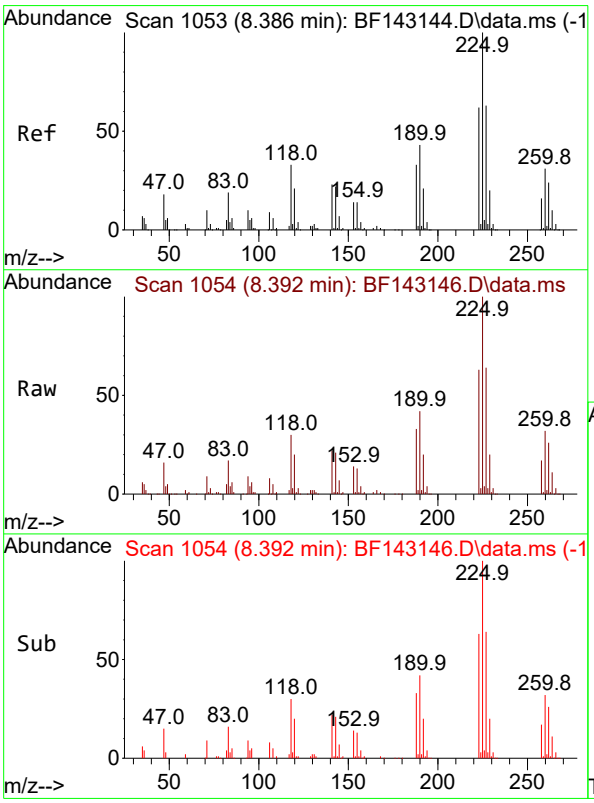
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	35.3	27.4	41.2
92	21.5	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

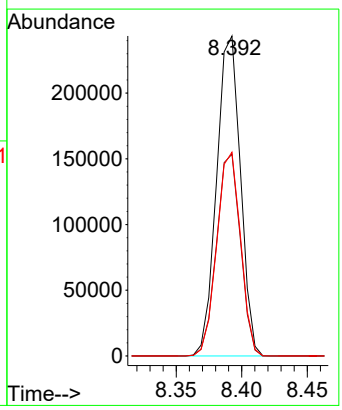
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

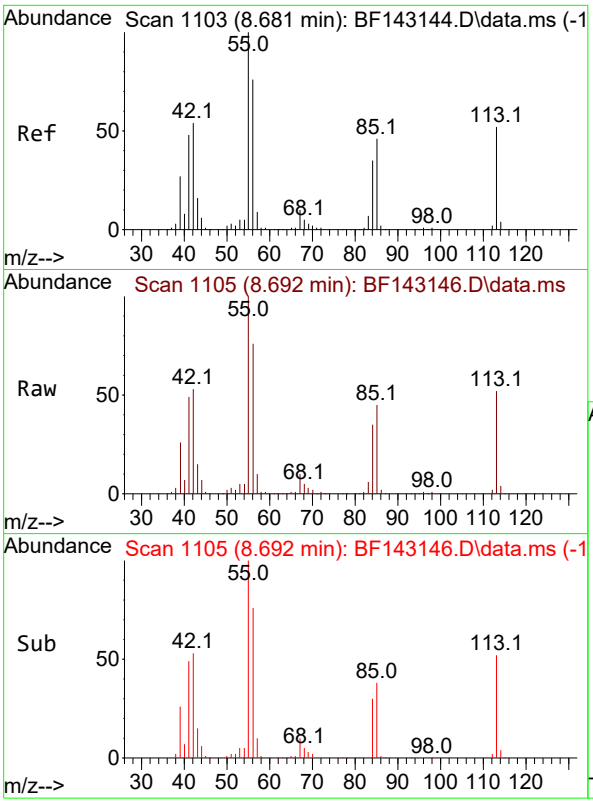


#34
Hexachlorobutadiene
Concen: 58.230 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:225 Resp: 307552

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.8	74.6
227	63.7	50.2	75.4

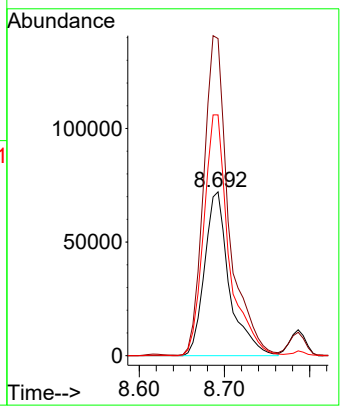




#35
Caprolactam
Concen: 60.327 ng
RT: 8.692 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

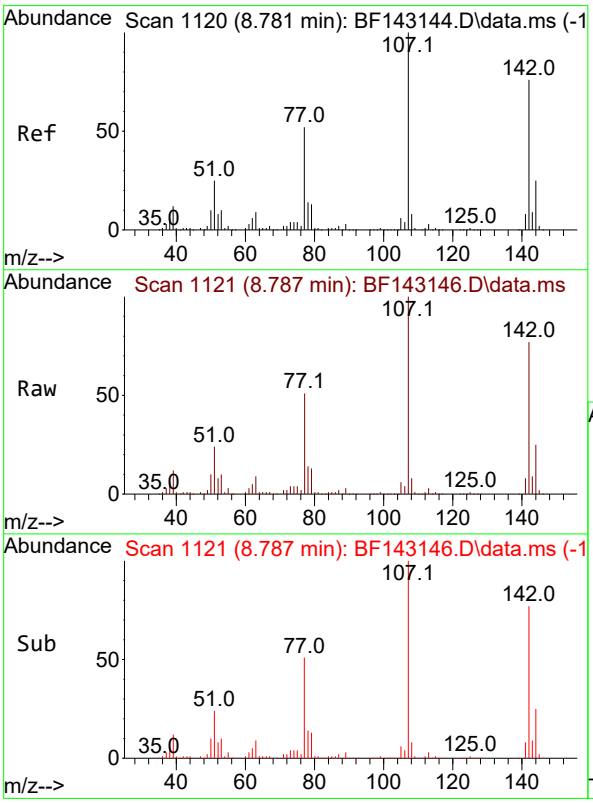
Tgt Ion:113 Resp: 14589

Ion	Ratio	Lower	Upper
113	100		
55	193.5	174.0	214.0
56	146.9	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

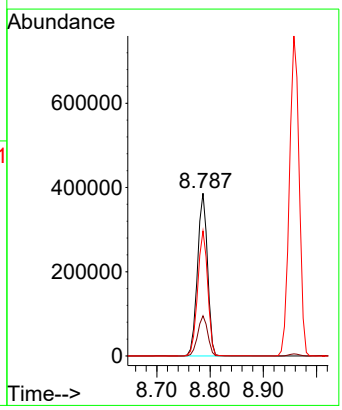
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

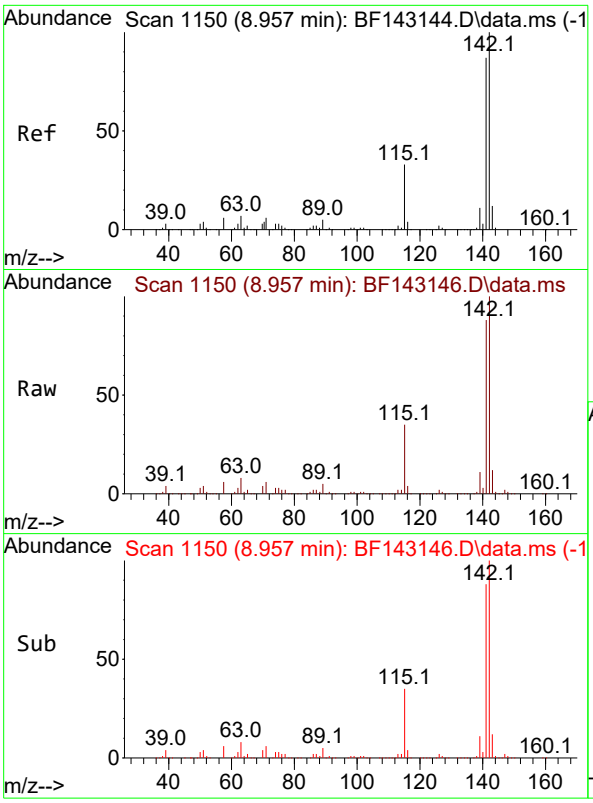


#36
4-Chloro-3-methylphenol
Concen: 58.186 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 506142

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.8	29.6
142	76.9	60.6	90.8

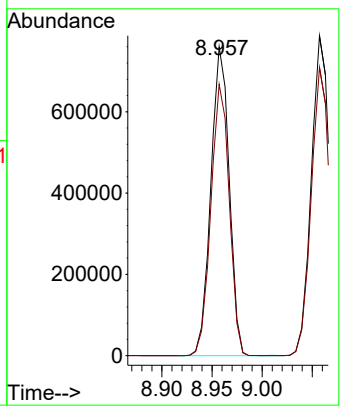




#37
2-Methylnaphthalene
Concen: 56.203 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:142 Resp: 96603

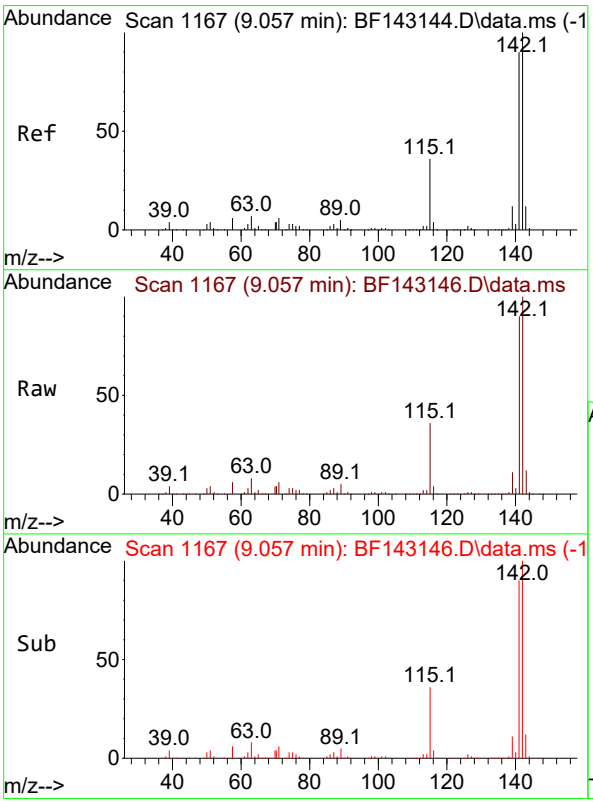
Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.9	104.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

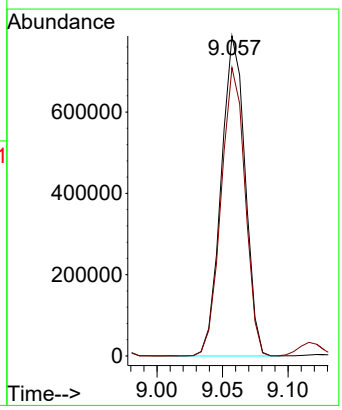
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

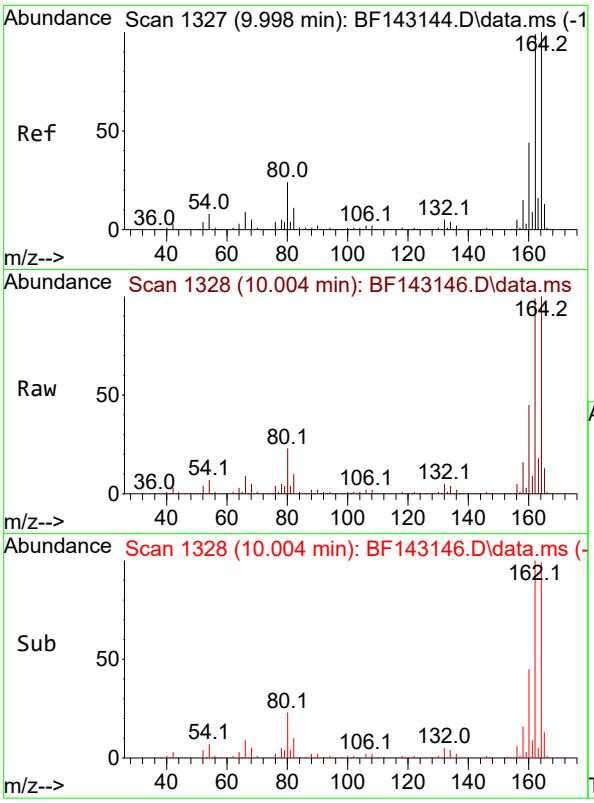


#38
1-Methylnaphthalene
Concen: 56.329 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:142 Resp: 997009

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.3	108.5

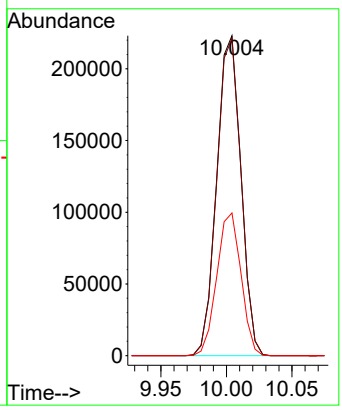




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:164 Resp: 28654

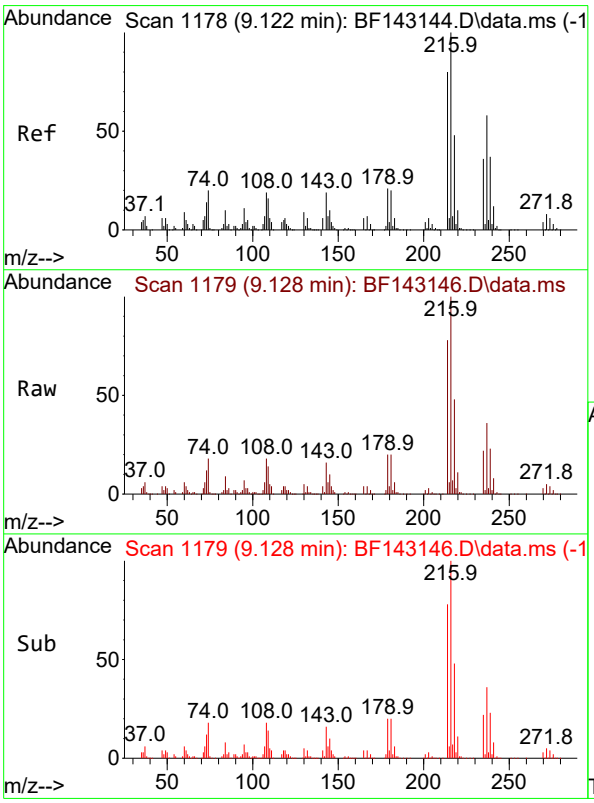
Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	44.6	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

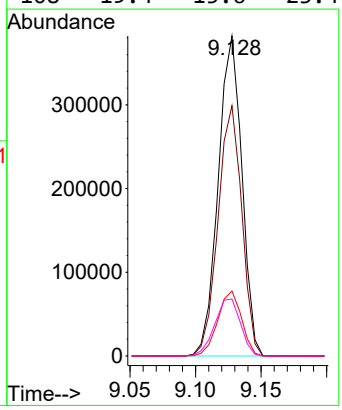
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

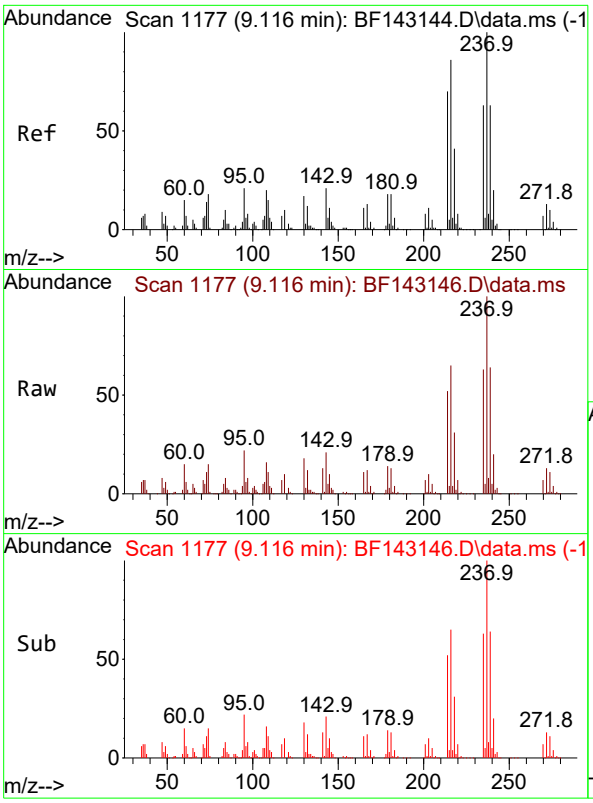


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.955 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:216 Resp: 479450

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.8	95.8
179	20.4	16.4	24.6
108	19.4	15.6	23.4

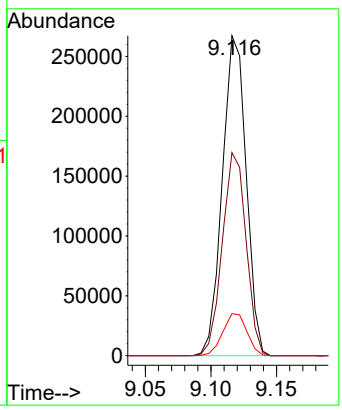




#41
Hexachlorocyclopentadiene
Concen: 62.761 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:237 Resp: 33783

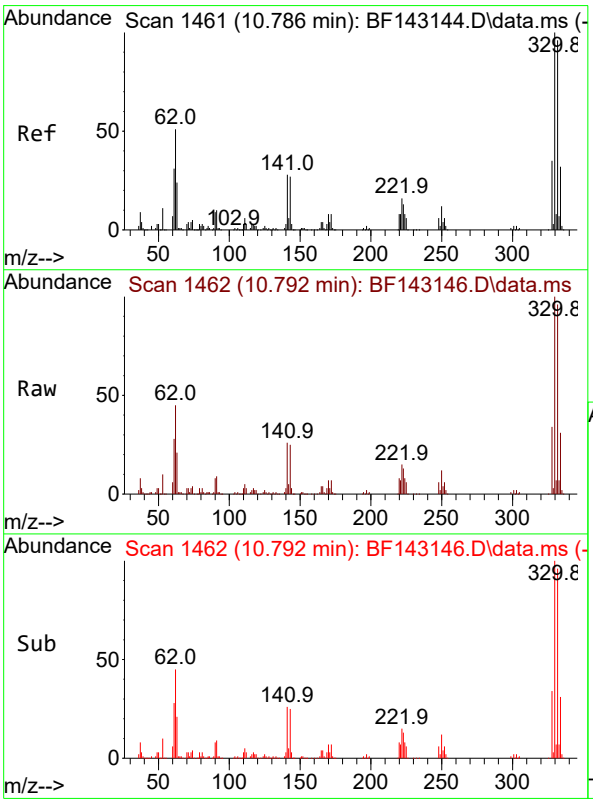
Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.0	83.0
272	13.2	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

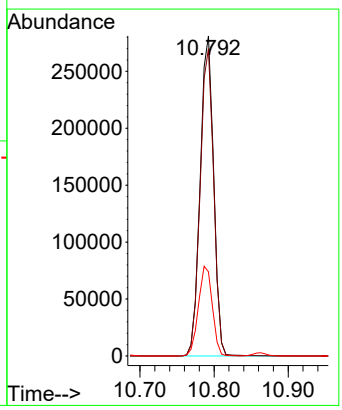
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

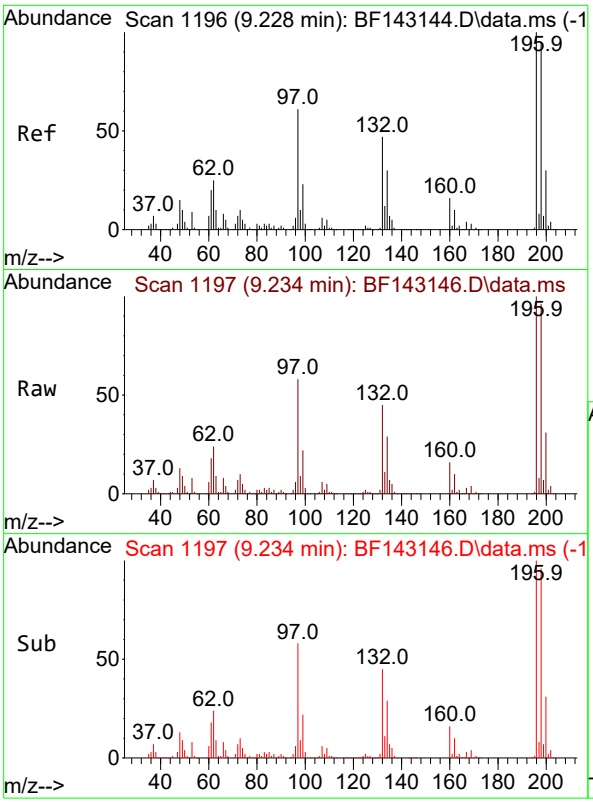


#42
2,4,6-Tribromophenol
Concen: 119.817 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:330 Resp: 354678

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	28.9	23.3	34.9

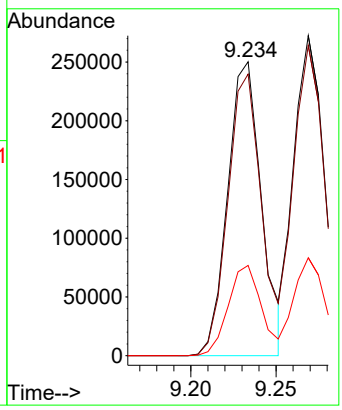




#43
2,4,6-Trichlorophenol
Concen: 60.246 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:196 Resp: 34494

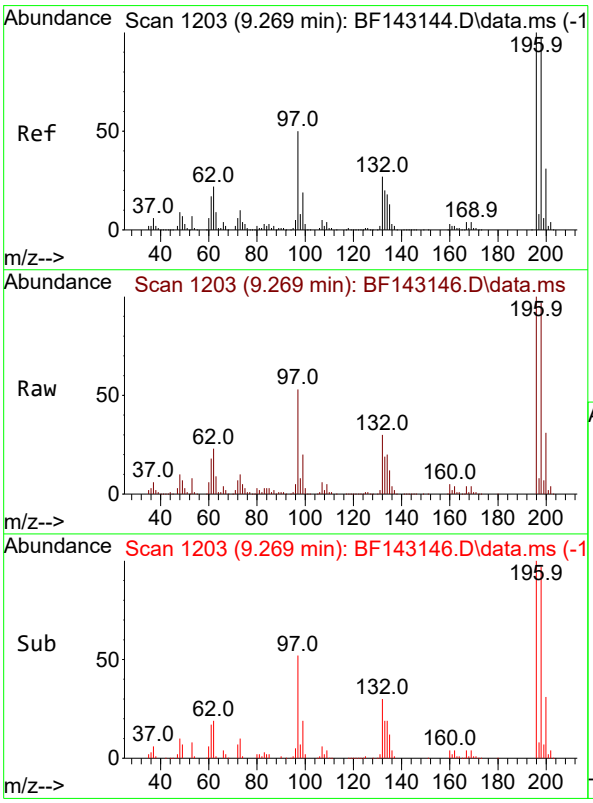
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.2
200	30.7	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

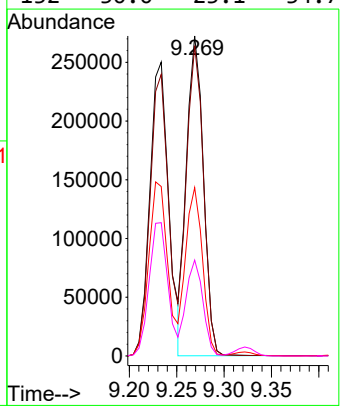
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

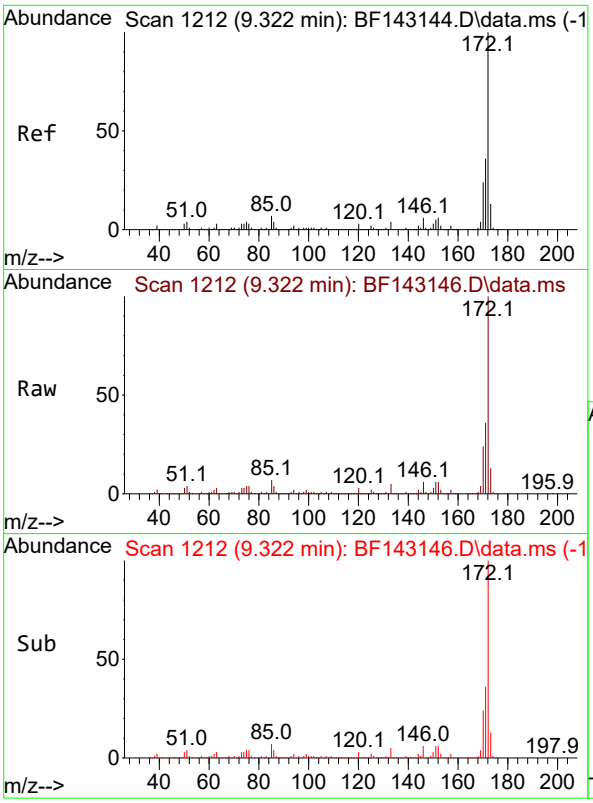


#44
2,4,5-Trichlorophenol
Concen: 59.305 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:196 Resp: 339656

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.3	115.9
97	52.6	40.3	60.5
132	30.0	23.1	34.7





#45
2-Fluorobiphenyl
Concen: 108.558 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

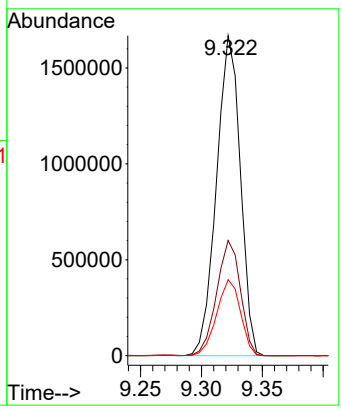
Tgt Ion:172 Resp: 227450

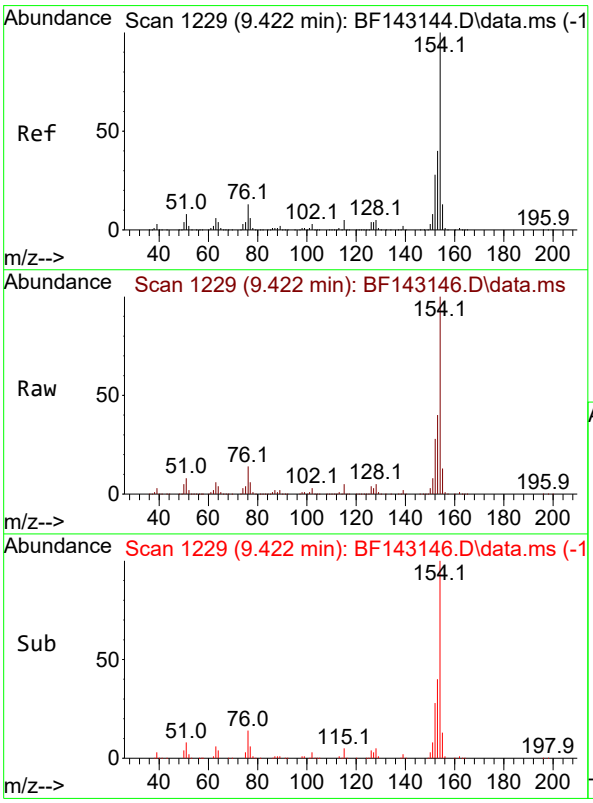
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	23.7	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

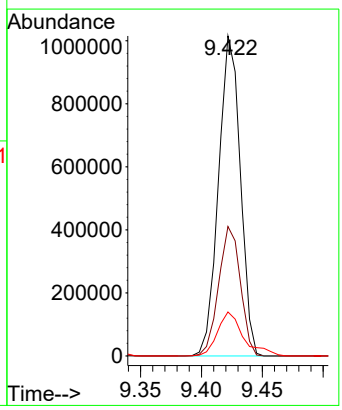


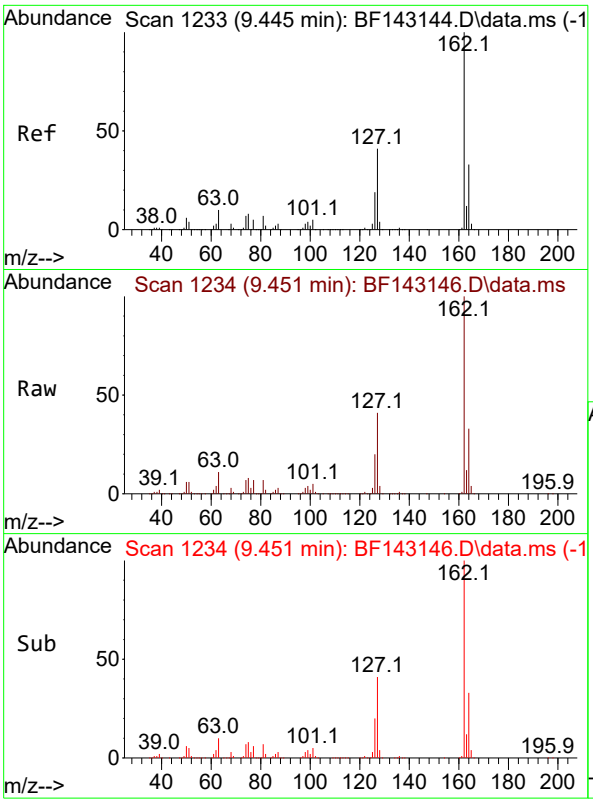


#46
1,1'-Biphenyl
Concen: 56.610 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:154 Resp: 1265588

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.7	0.0	33.3

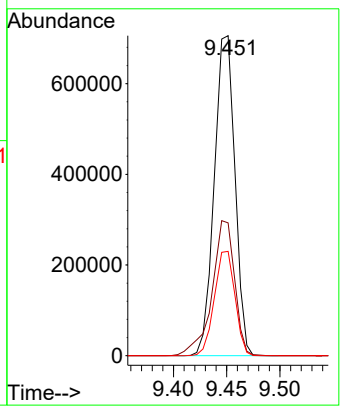




#47
2-Chloronaphthalene
Concen: 57.364 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:162 Resp: 94891

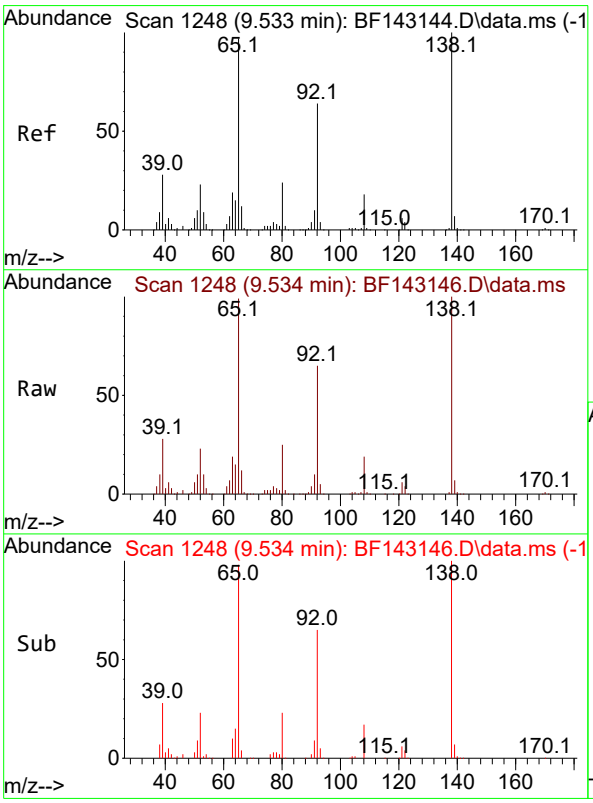
Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.6	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

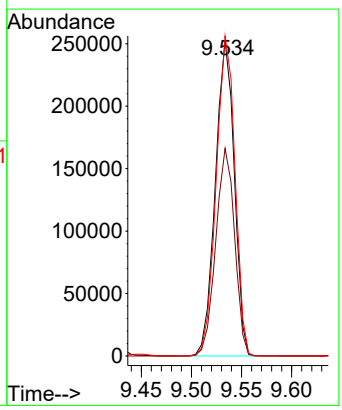
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

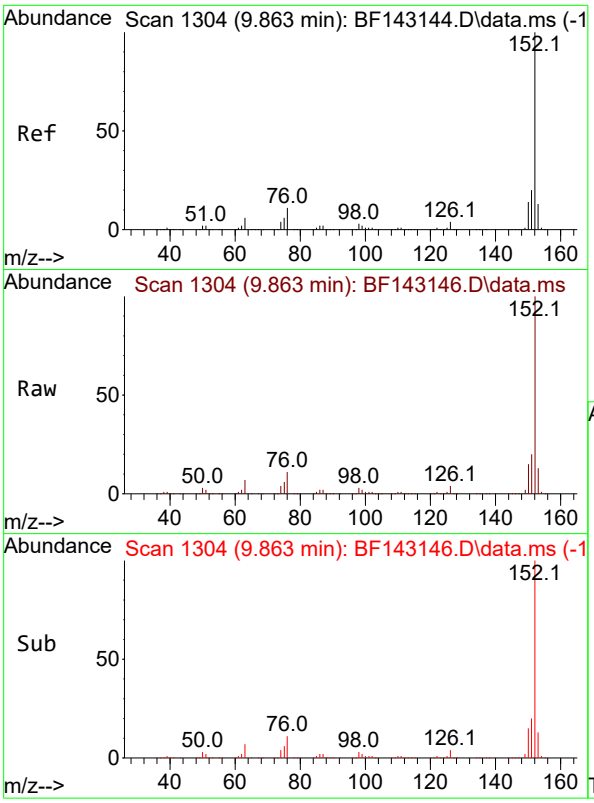


#48
2-Nitroaniline
Concen: 63.904 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 65 Resp: 331501

Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.4	78.6
138	101.5	82.3	123.5

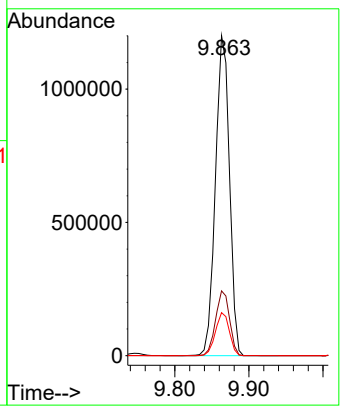




#49
Acenaphthylene
Concen: 56.860 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:152 Resp: 157624

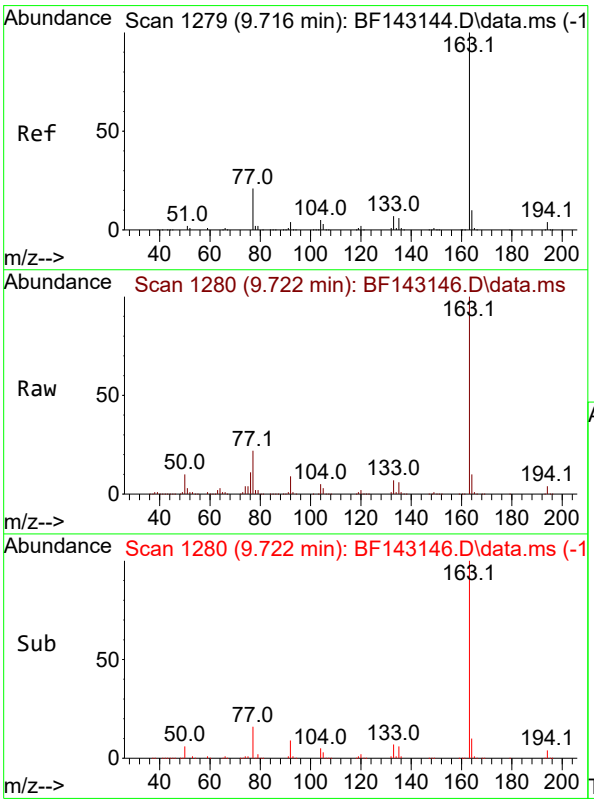
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.5	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

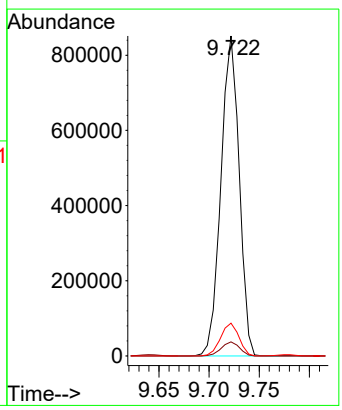
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

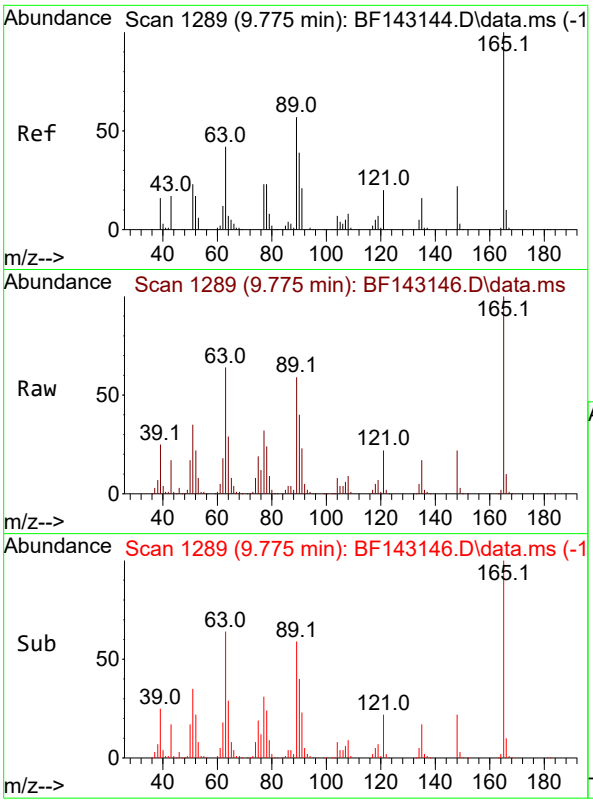


#50
Dimethylphthalate
Concen: 57.558 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:163 Resp: 1075052

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.3	12.5

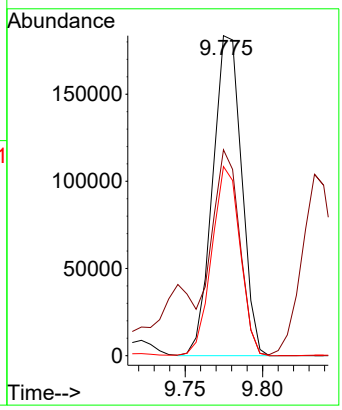




#51
2,6-Dinitrotoluene
Concen: 62.665 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:165 Resp: 23810

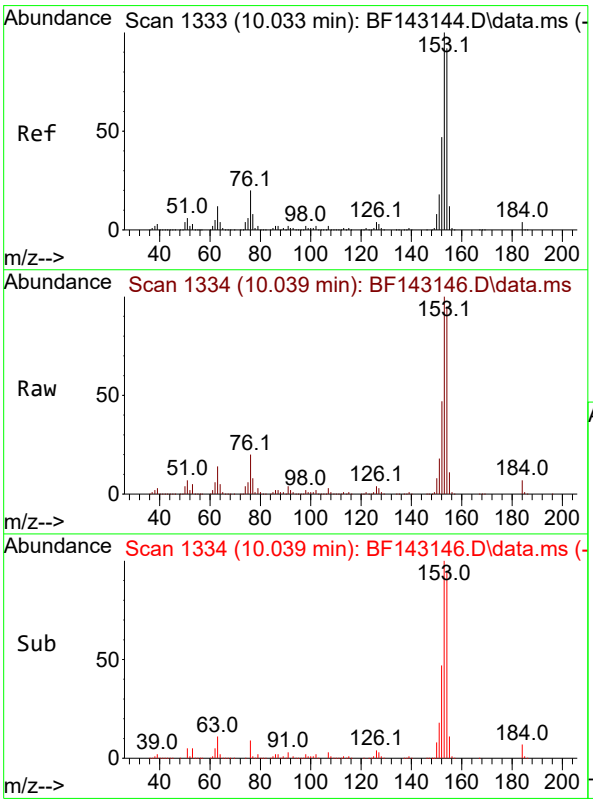
Ion	Ratio	Lower	Upper
165	100		
63	64.4	49.4	74.2
89	59.1	46.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

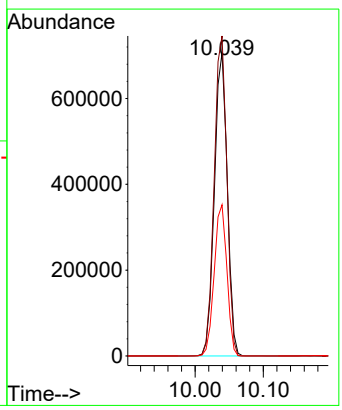
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

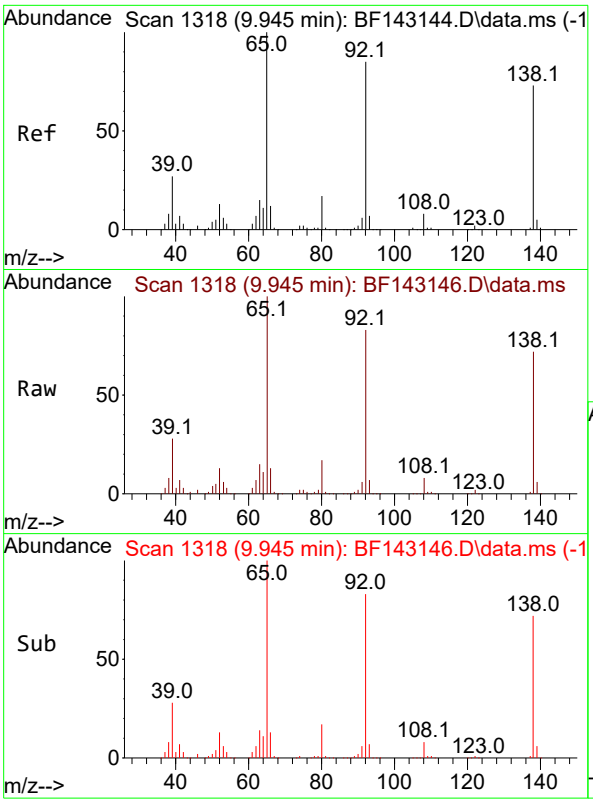


#52
Acenaphthene
Concen: 56.814 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:154 Resp: 930883

Ion	Ratio	Lower	Upper
154	100		
153	105.6	86.6	129.8
152	49.9	40.4	60.6

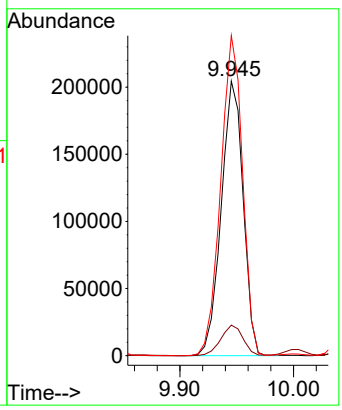




#53
3-Nitroaniline
Concen: 61.542 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:138 Resp: 27350

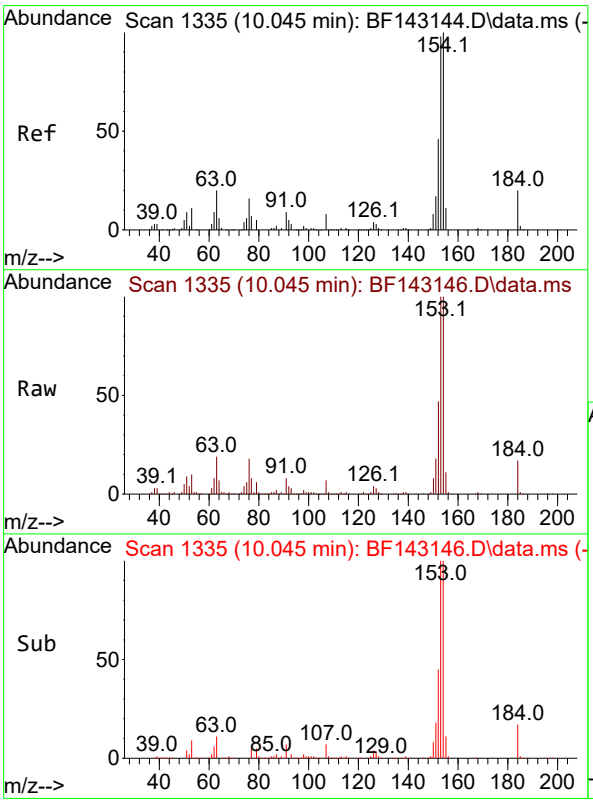
Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.6
92	116.5	93.0	139.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

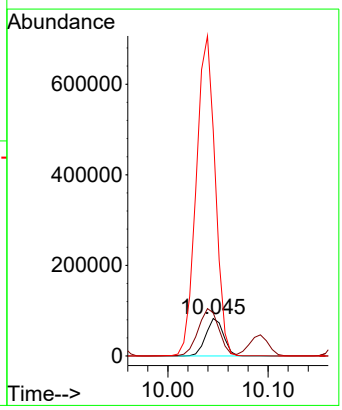
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

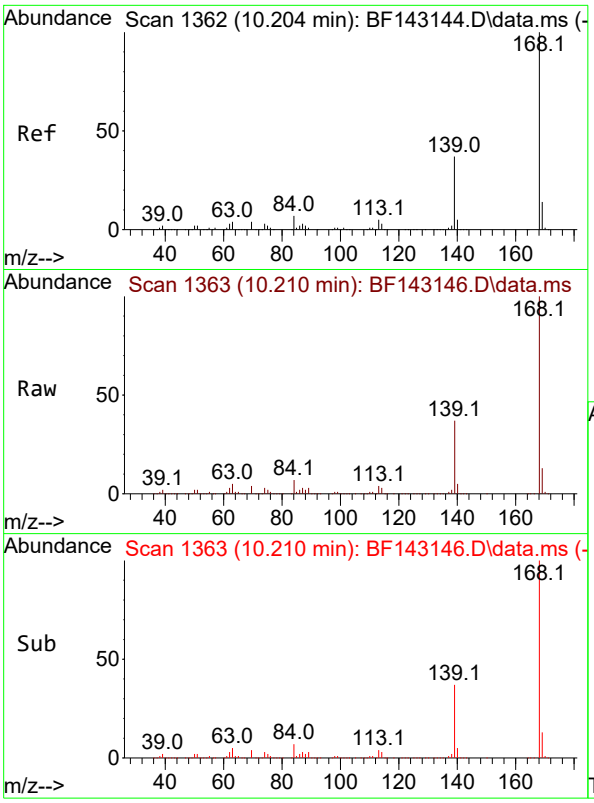


#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:184 Resp: 101491

Ion	Ratio	Lower	Upper
184	100		
63	115.6	81.8	122.6
154	603.3	412.2	618.4

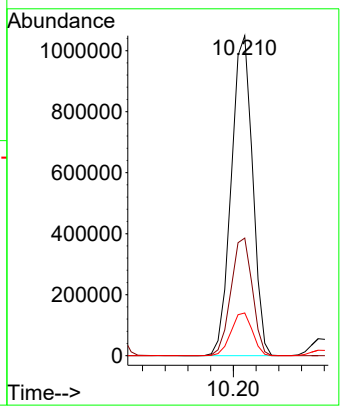




#55
Dibenzofuran
Concen: 56.093 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:168 Resp: 136453

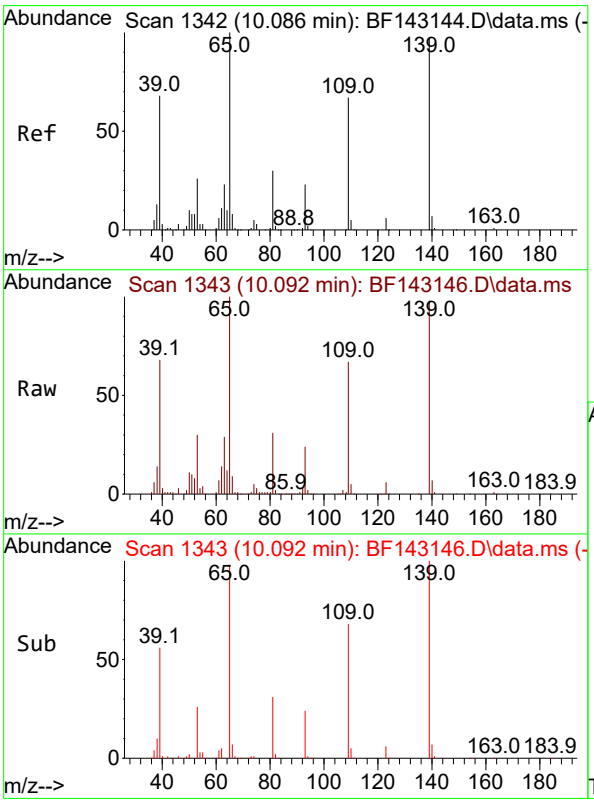
Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.5	44.3
169	13.4	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

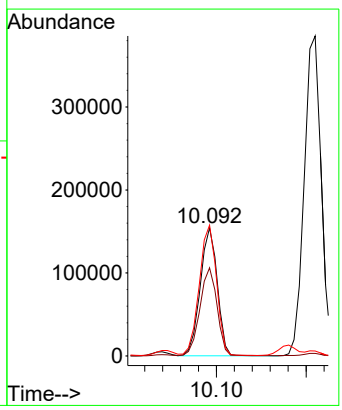
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

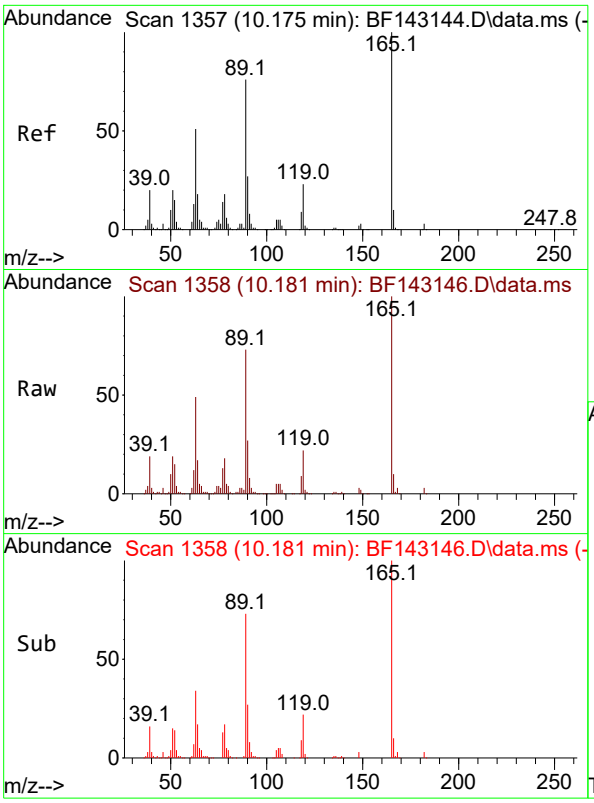


#56
4-Nitrophenol
Concen: 61.312 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 203477

Ion	Ratio	Lower	Upper
139	100		
109	68.7	48.5	88.5
65	102.2	83.4	123.4

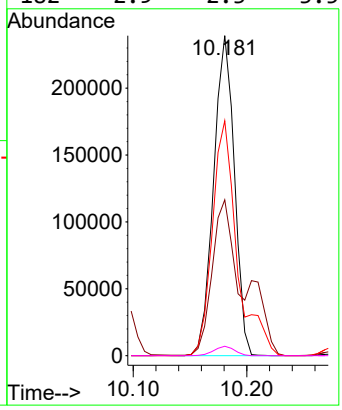




#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:165 Resp: 30446

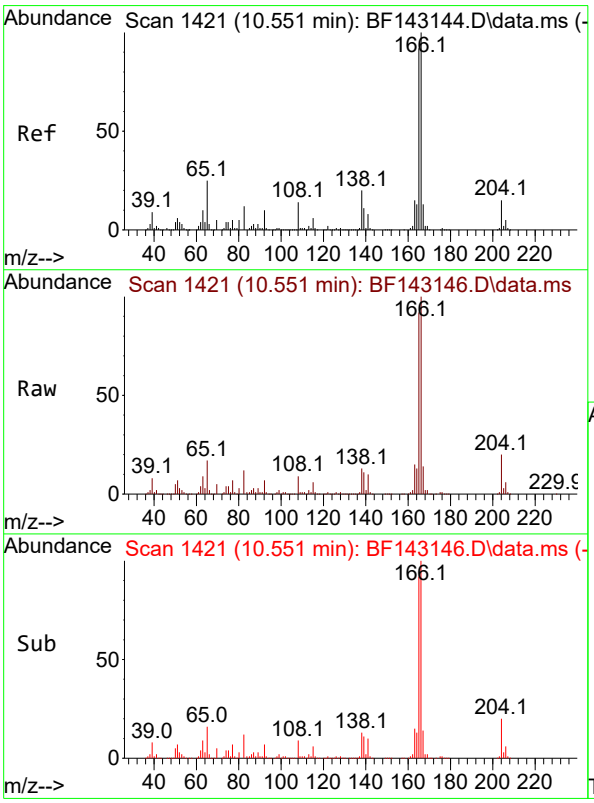
Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	73.4	61.1	91.7
182	2.9	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

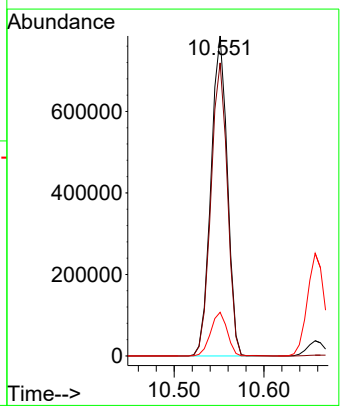
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

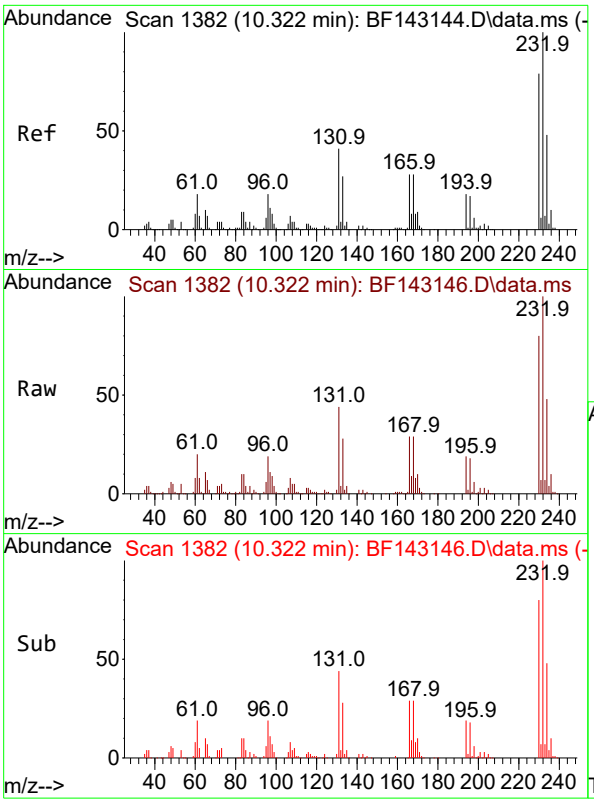


#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:166 Resp: 997710

Ion	Ratio	Lower	Upper
166	100		
165	91.6	73.7	110.5
167	13.6	10.6	16.0

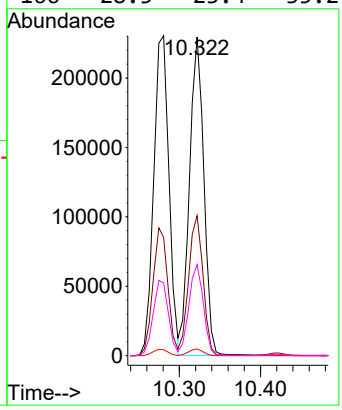




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.678 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:232 Resp: 28312

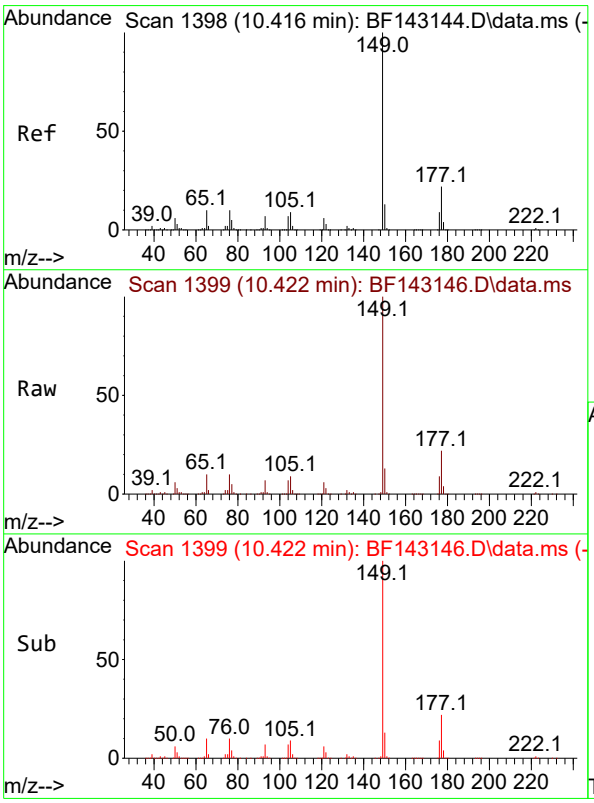
Ion	Ratio	Lower	Upper
232	100		
131	44.2	35.3	52.9
130	2.1	1.7	2.5
166	28.5	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

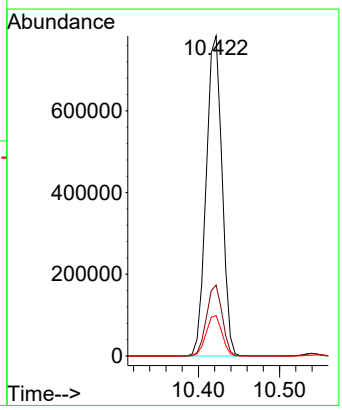
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

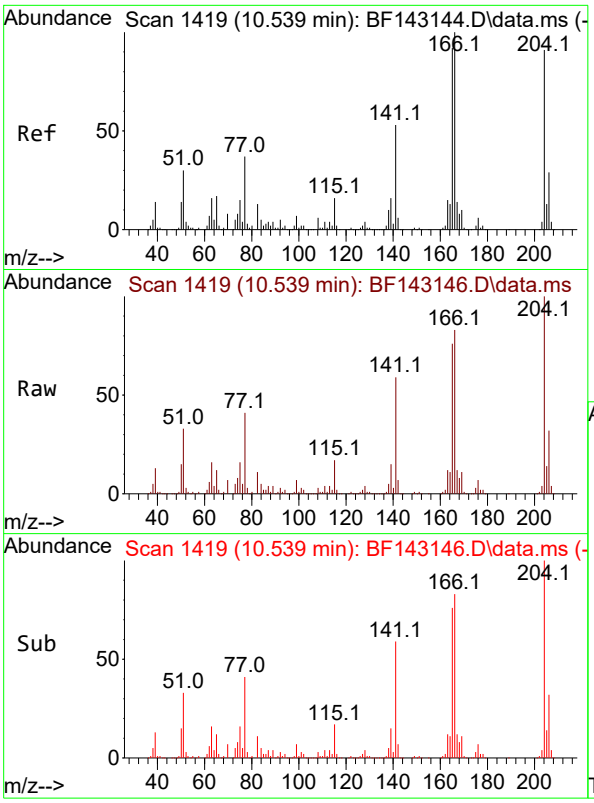


#60
Diethylphthalate
Concen: 57.301 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 1057851

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.6	10.2	15.2

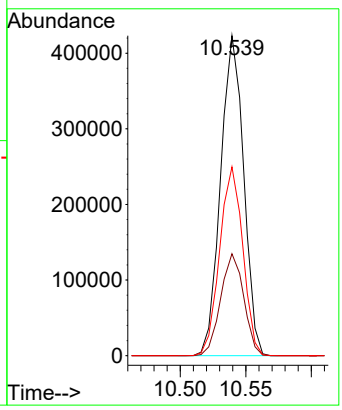




#61
4-Chlorophenyl-phenylether
Concen: 56.867 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:204 Resp: 51698

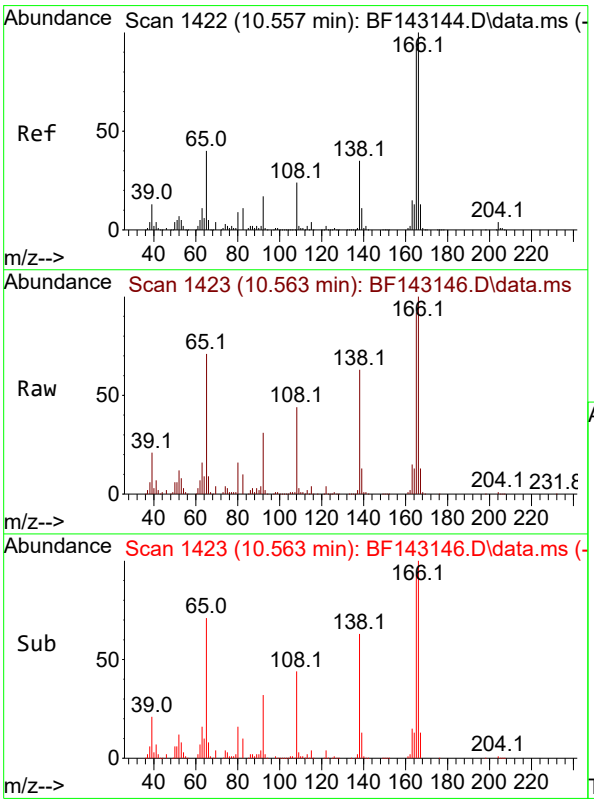
Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.8
141	59.0	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

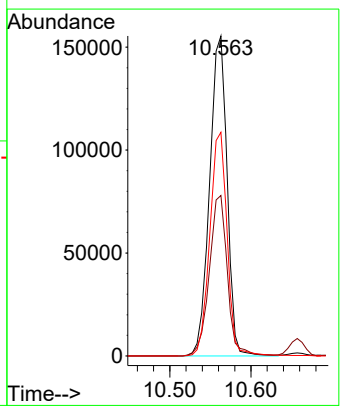
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

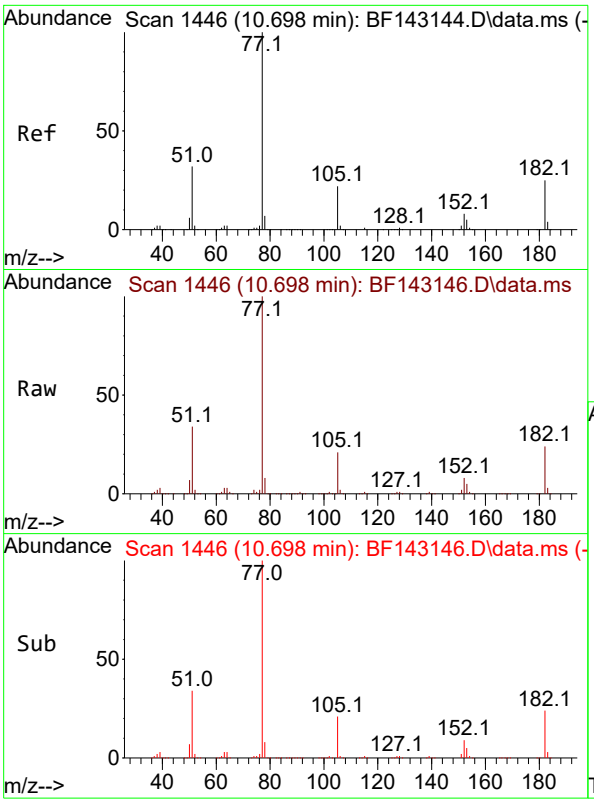


#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:138 Resp: 232488

Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.3	69.3
108	69.9	48.3	88.3

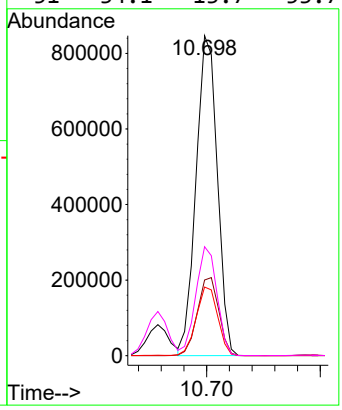




#63
Azobenzene
Concen: 57.107 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 77 Resp: 109877

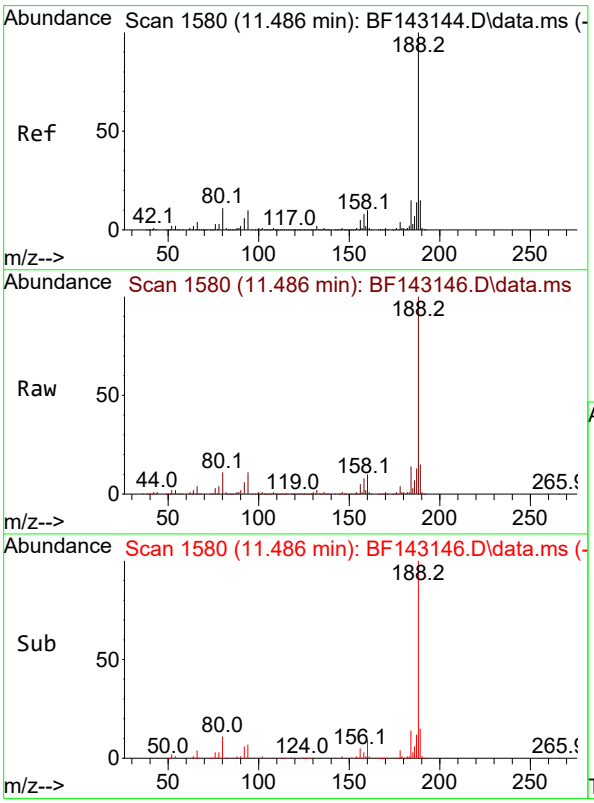
Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.6	44.6
105	21.4	1.4	41.4
51	34.1	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

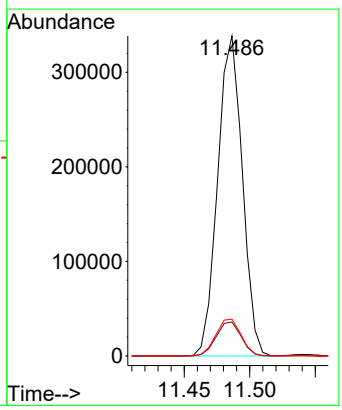
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

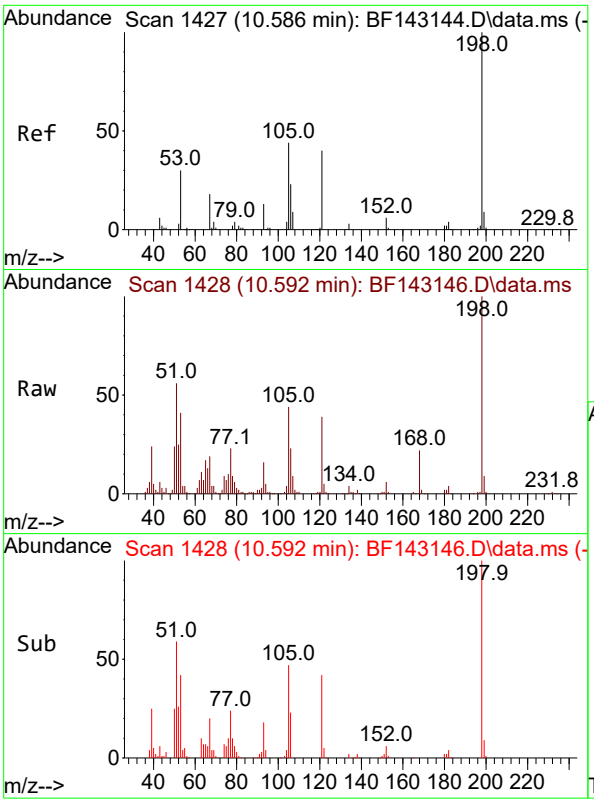


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:188 Resp: 442888

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.3	12.5
80	11.5	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 60.728 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

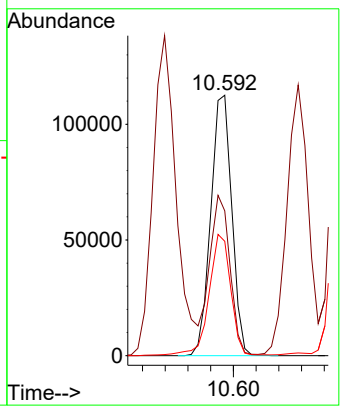
Tgt Ion:198 Resp: 14475

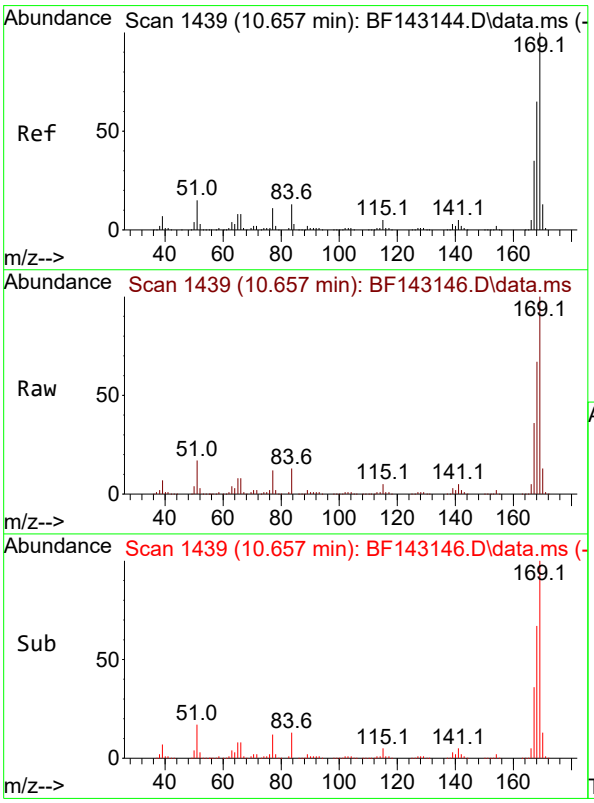
Ion	Ratio	Lower	Upper
198	100		
51	55.6	37.2	77.2
105	43.9	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

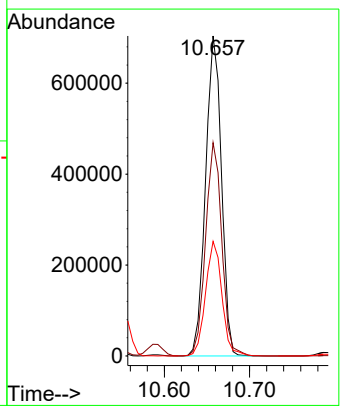


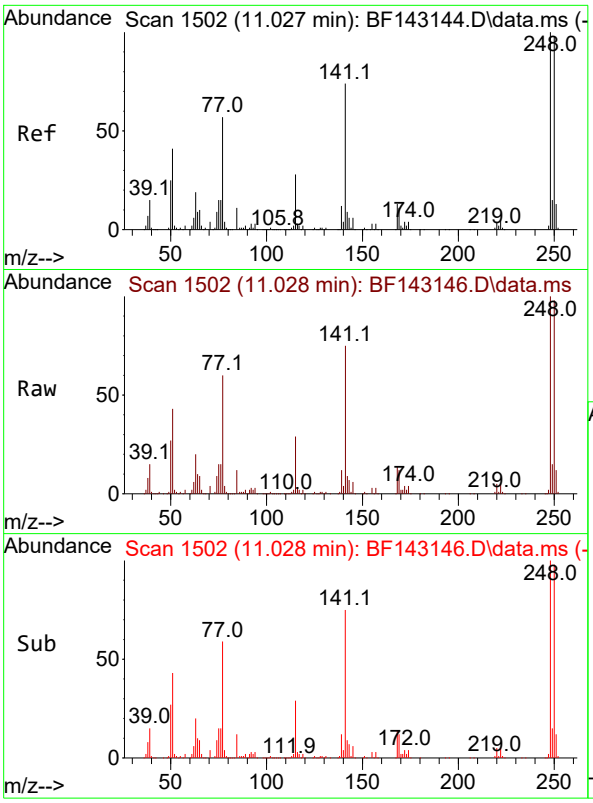


#66
n-Nitrosodiphenylamine
Concen: 58.380 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:169 Resp: 910468

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.1	78.1
167	35.8	28.2	42.2

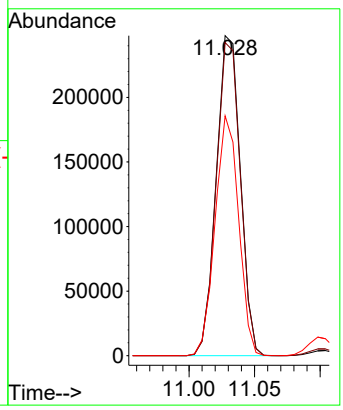




#67
4-Bromophenyl-phenylether
Concen: 60.266 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:248 Resp: 31808

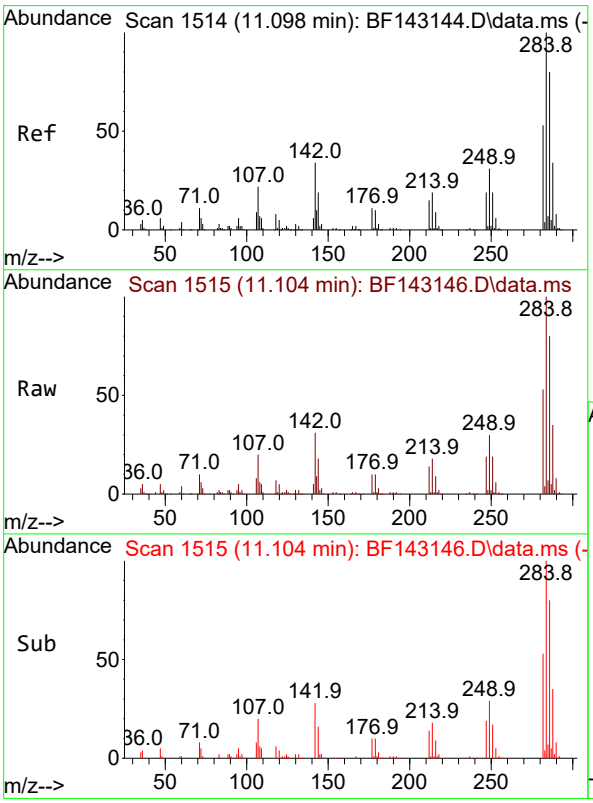
Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	75.0	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

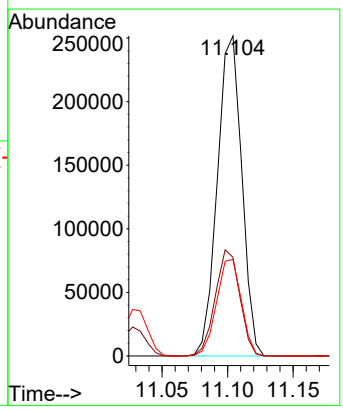
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

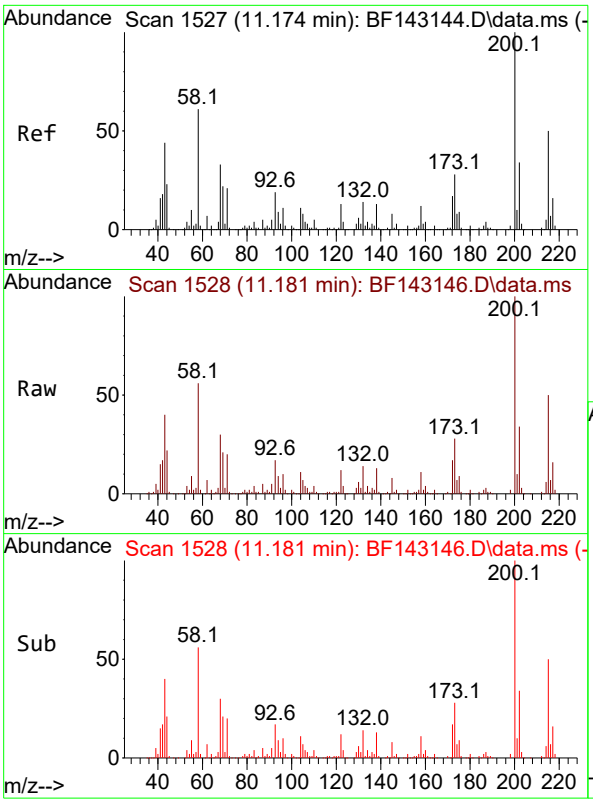


#68
Hexachlorobenzene
Concen: 59.054 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:284 Resp: 325779

Ion	Ratio	Lower	Upper
284	100		
142	30.9	27.0	40.6
249	30.1	25.0	37.6

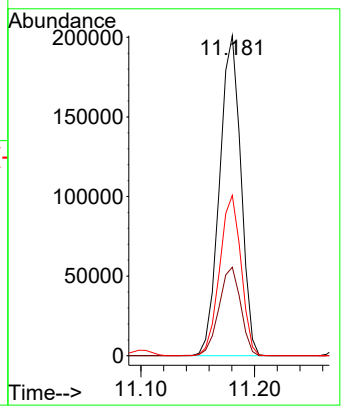




#69
Atrazine
Concen: 61.024 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:200 Resp: 26237

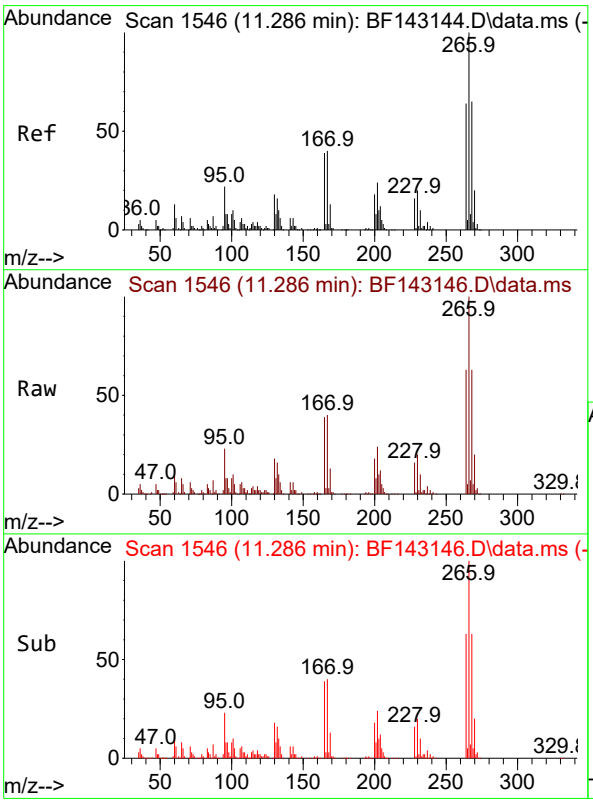
Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.9	47.9
215	50.1	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

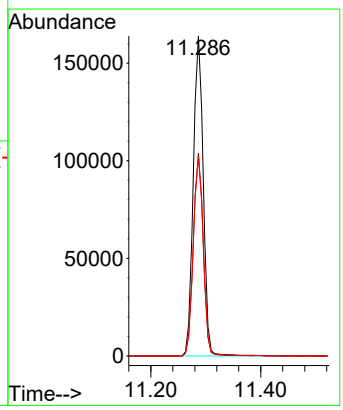
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

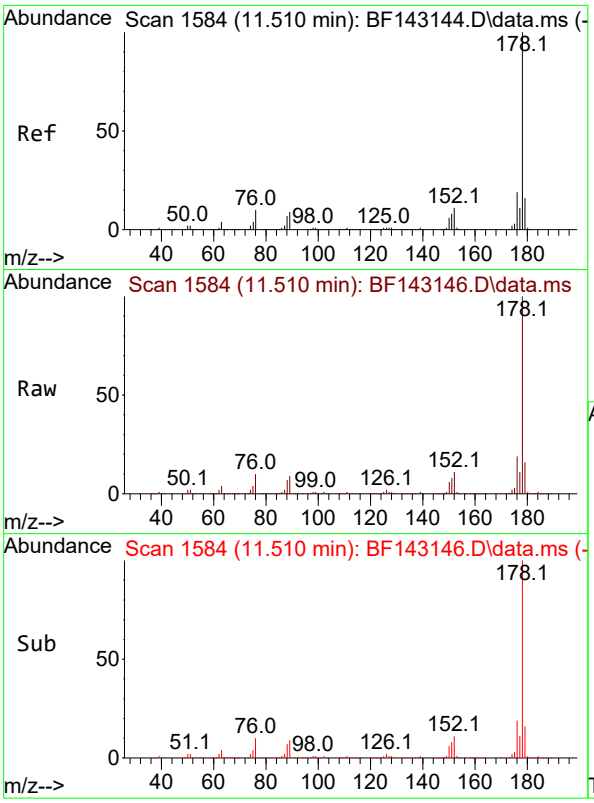


#70
Pentachlorophenol
Concen: 63.625 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:266 Resp: 206417

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.9	77.9
264	62.5	51.0	76.6

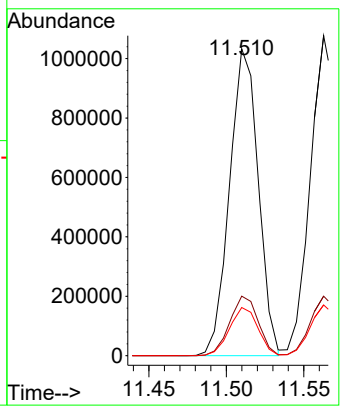




#71
Phenanthrene
Concen: 56.620 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:178 Resp: 133148

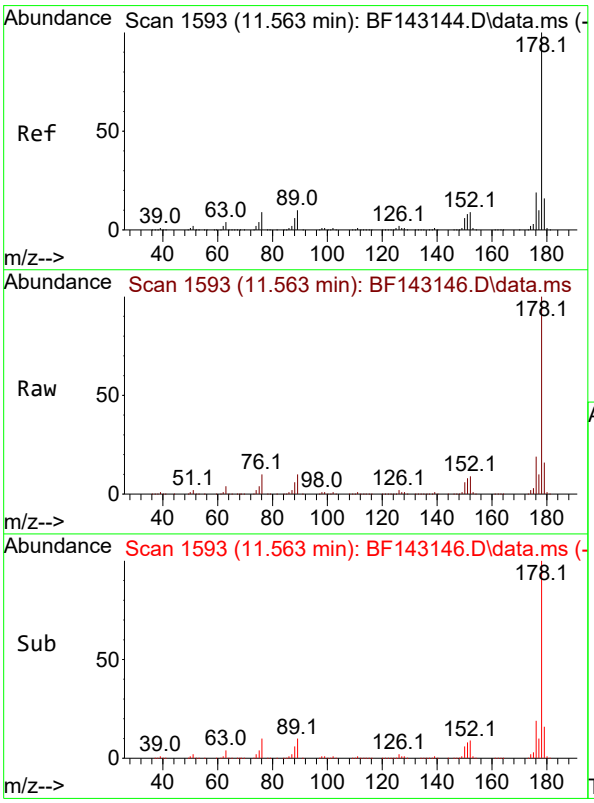
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

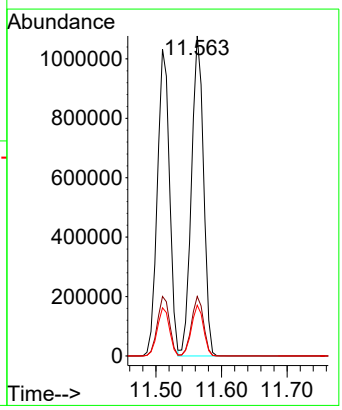
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

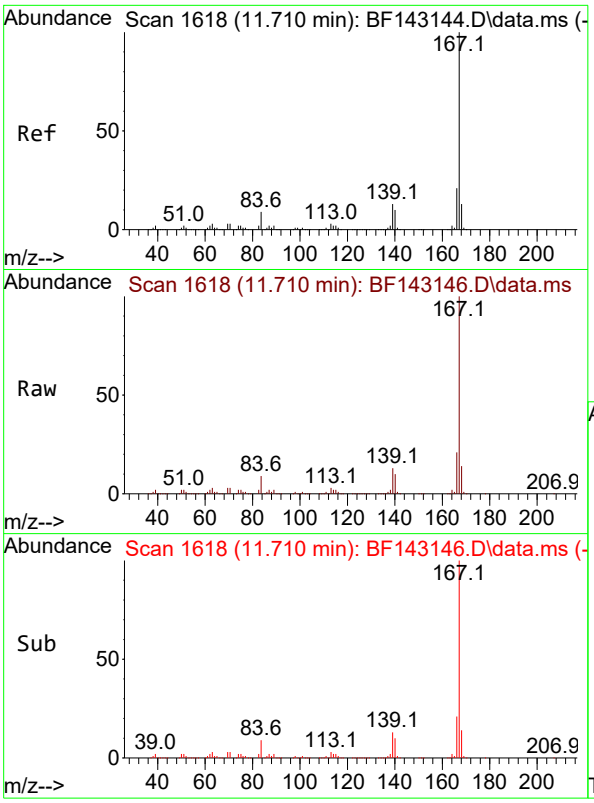


#72
Anthracene
Concen: 57.522 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:178 Resp: 1379601

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.8	12.5	18.7

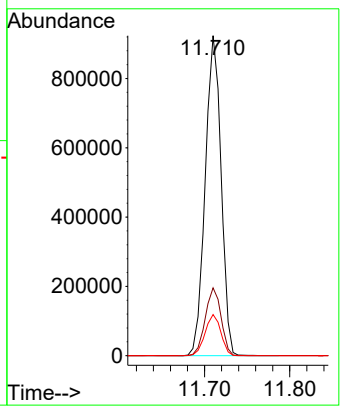




#73
Carbazole
Concen: 57.015 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:167 Resp: 119402

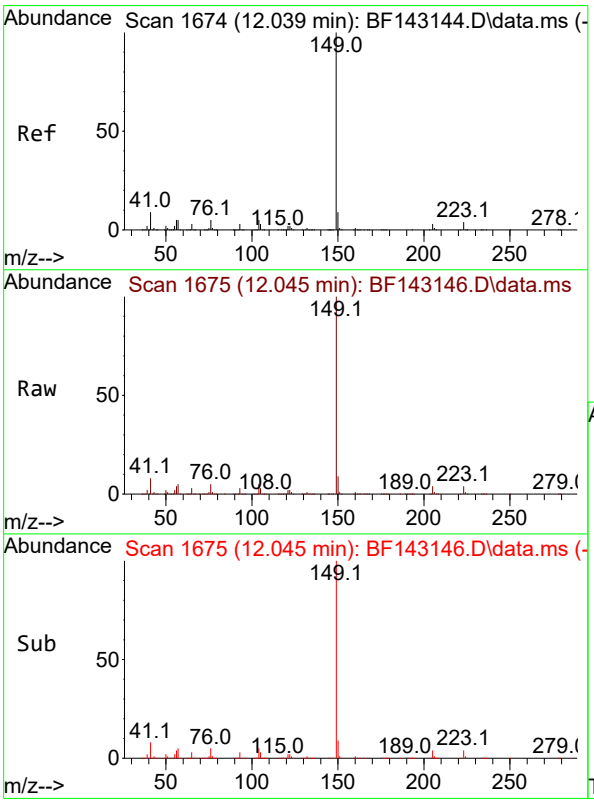
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.9	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

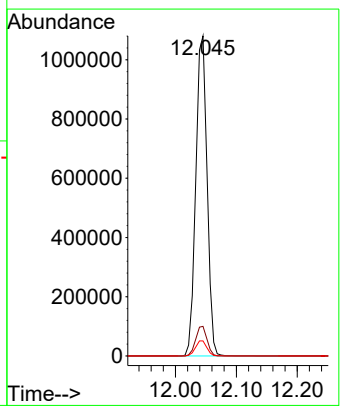
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

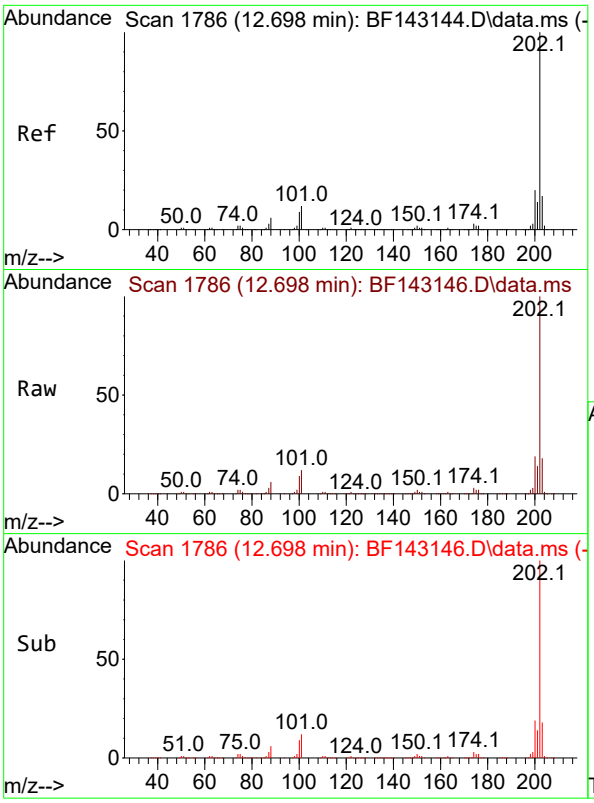


#74
Di-n-butylphthalate
Concen: 58.757 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 1392335

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.7	3.8	5.8

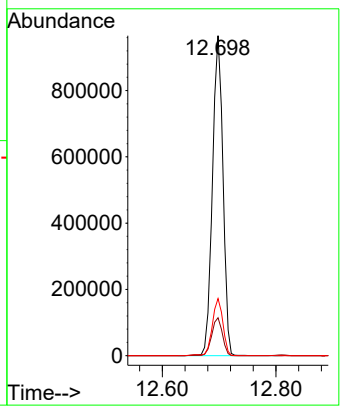




#75
Fluoranthene
Concen: 57.122 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:202 Resp: 123295

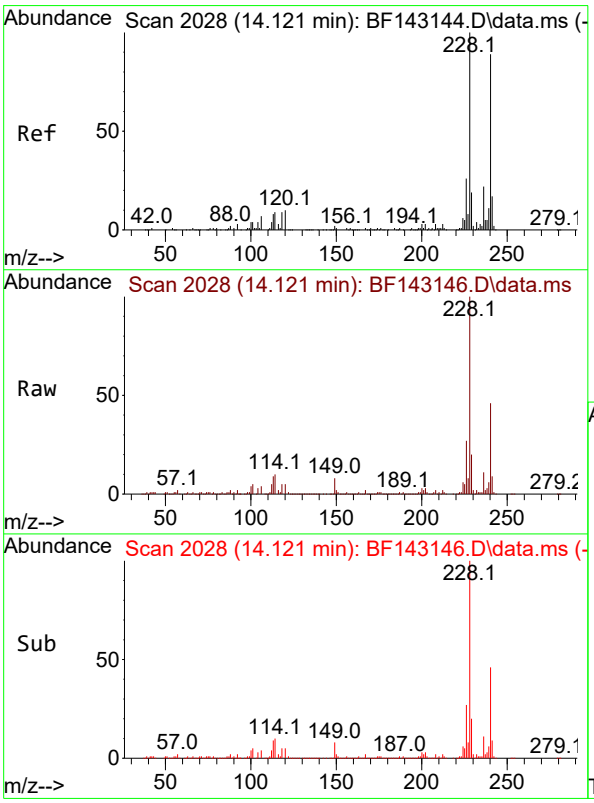
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.8	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

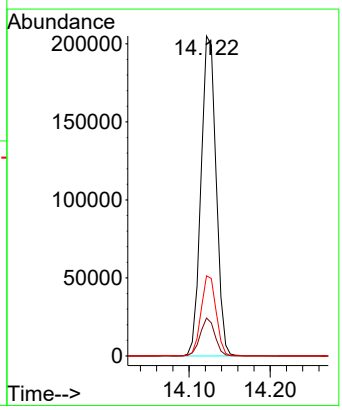
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

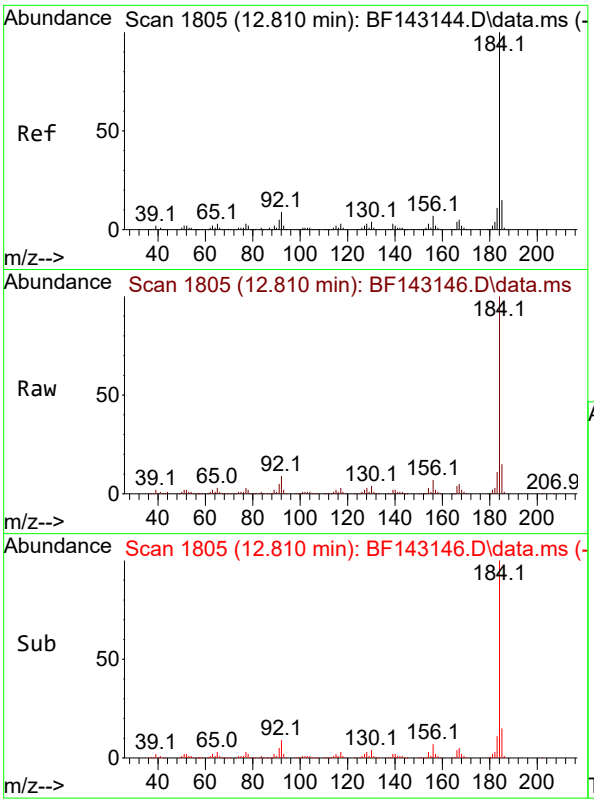


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:240 Resp: 264384

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.4	14.2
236	25.1	20.2	30.4

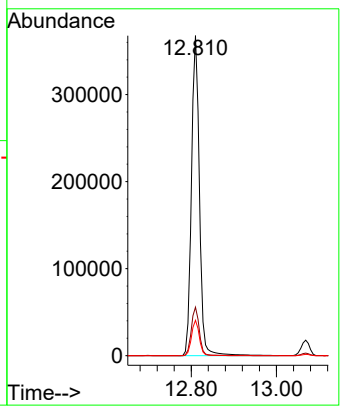




#77
Benzidine
Concen: 46.785 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:184 Resp: 47655

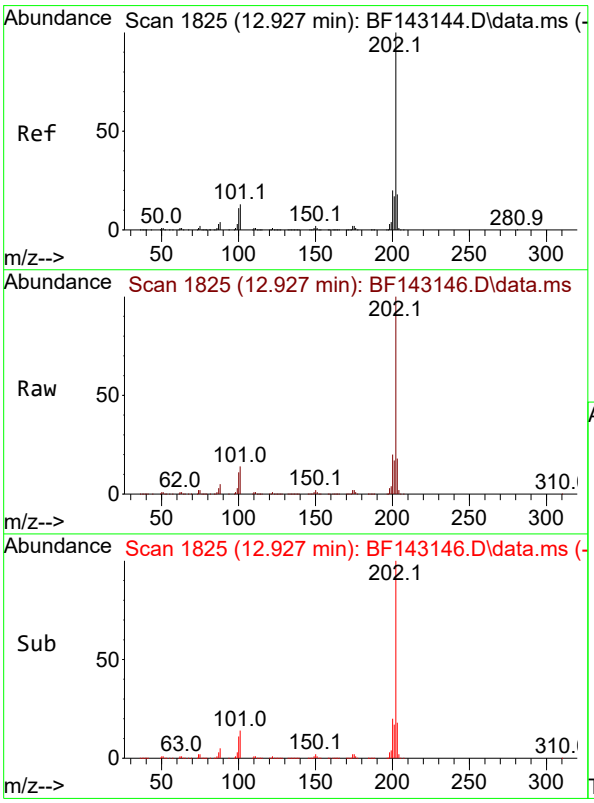
Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.4
183	11.0	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

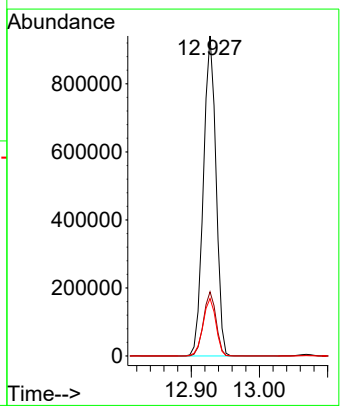
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

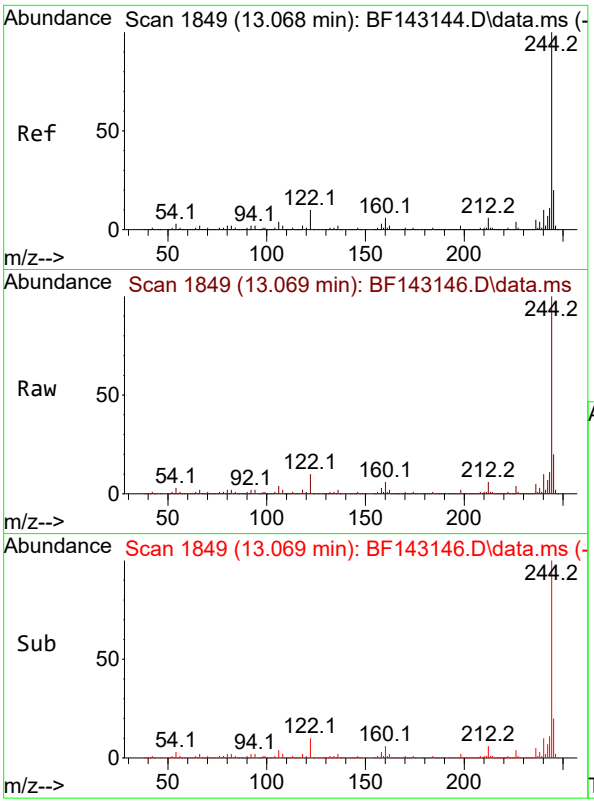


#78
Pyrene
Concen: 53.536 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:202 Resp: 1207978

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	18.0	14.2	21.2

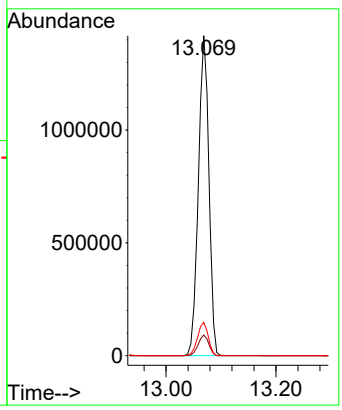




#79
Terphenyl-d14
Concen: 106.298 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:244 Resp: 188854

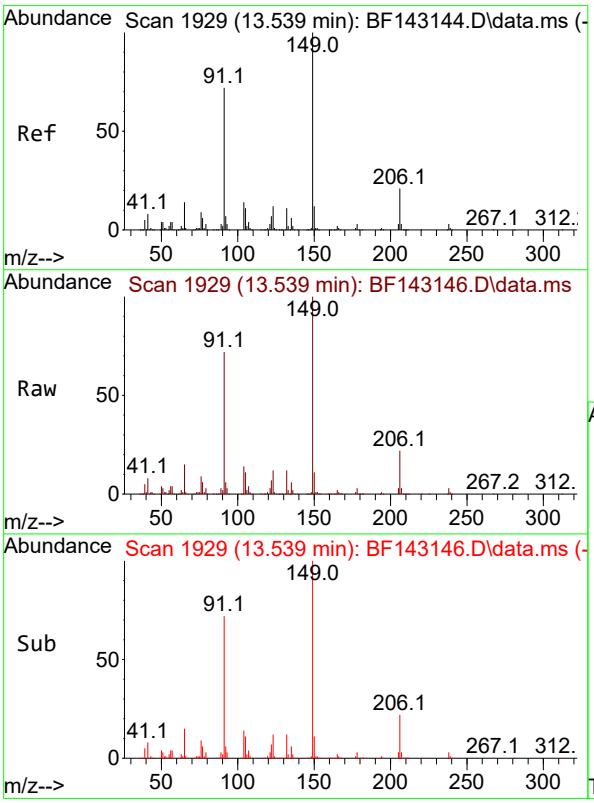
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.4	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

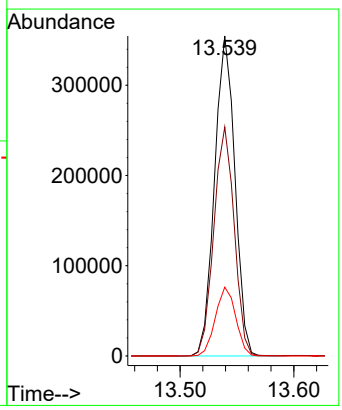
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

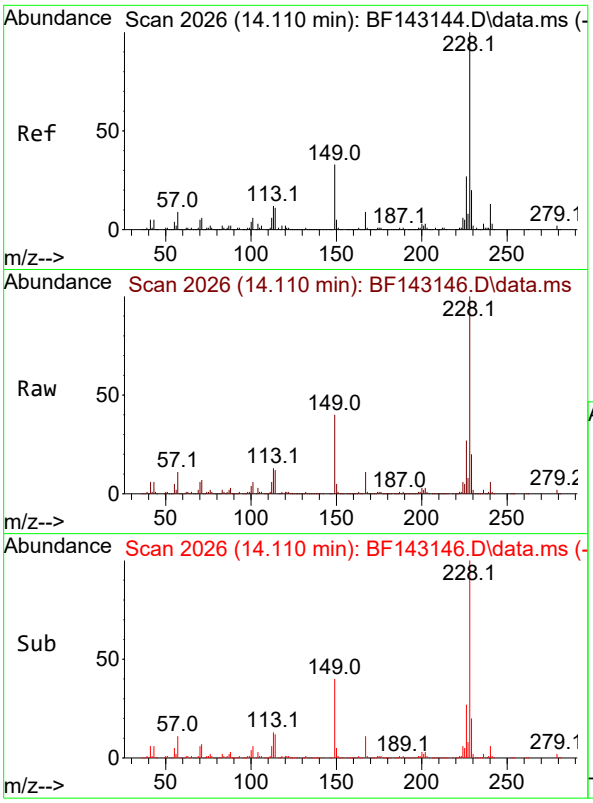


#80
Butylbenzylphthalate
Concen: 63.875 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 441334

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.9	86.9
206	21.5	17.0	25.4

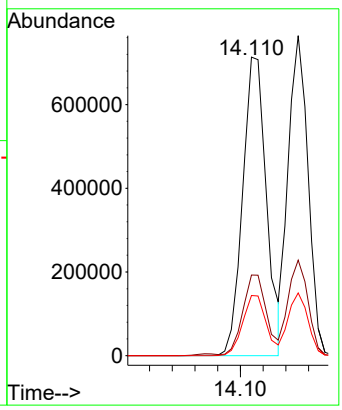




#81
Benzo(a)anthracene
Concen: 58.825 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:228 Resp: 104123

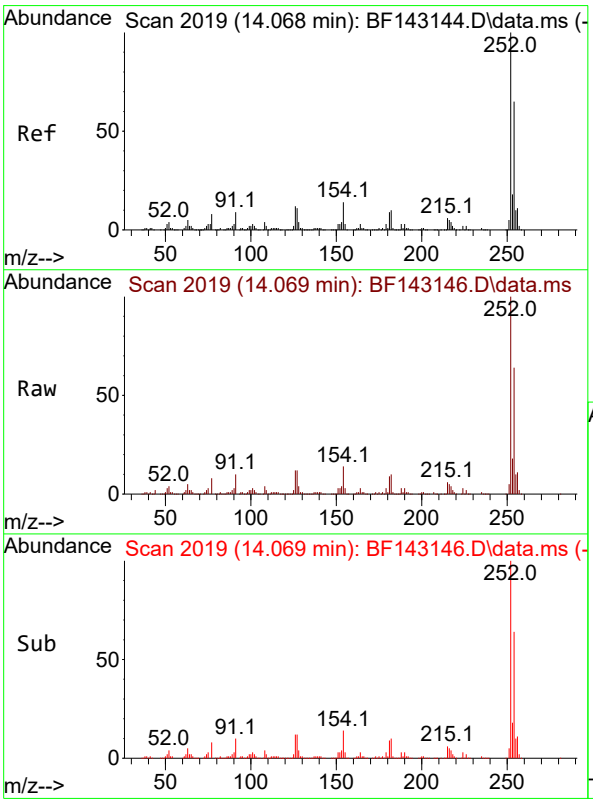
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	20.2	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

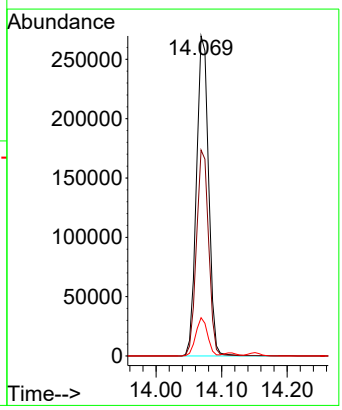
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

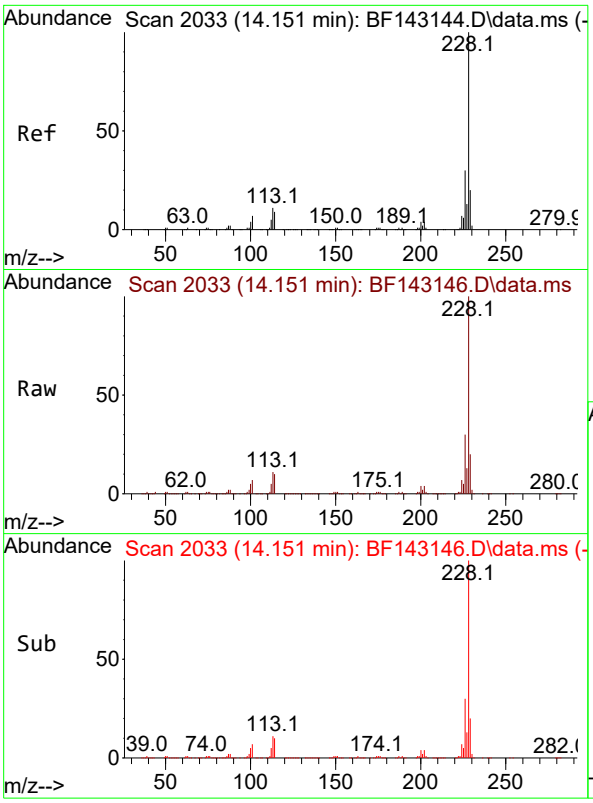


#82
3,3'-Dichlorobenzidine
Concen: 59.155 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 348979

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	12.0	9.4	14.0

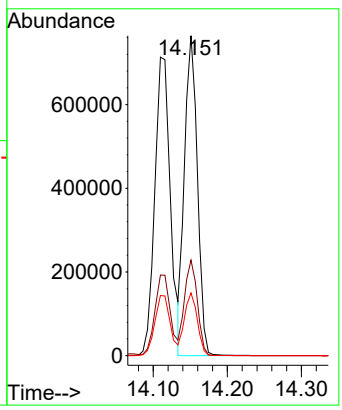




#83
Chrysene
Concen: 58.472 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:228 Resp: 93054

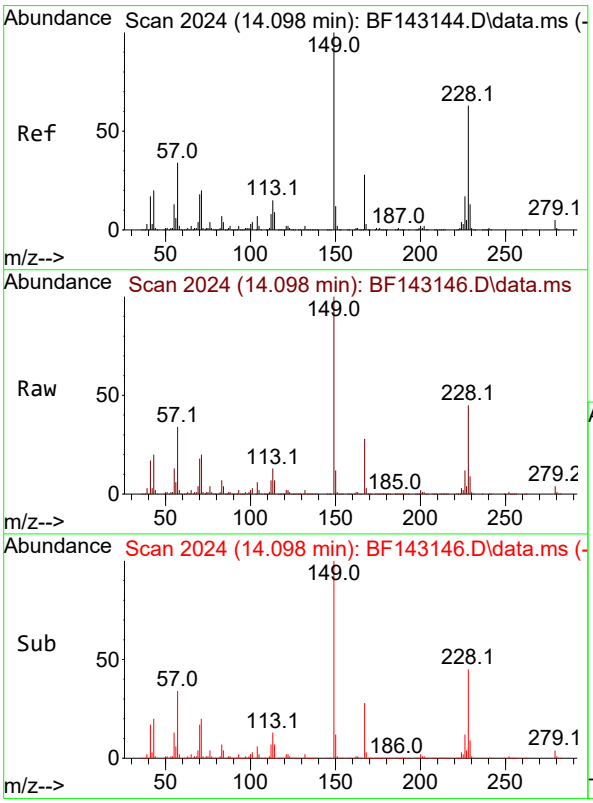
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

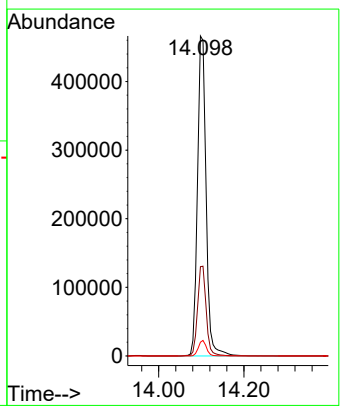
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

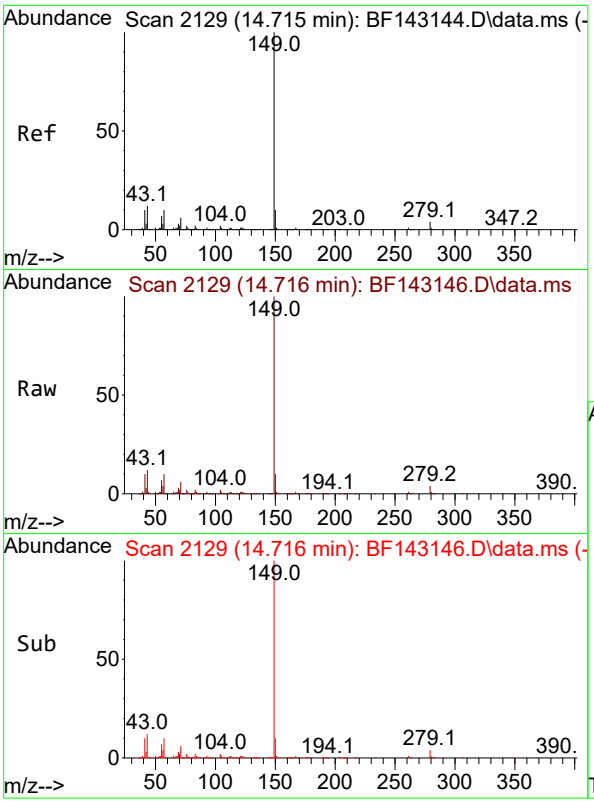


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.678 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 655482

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.3	3.6	5.4

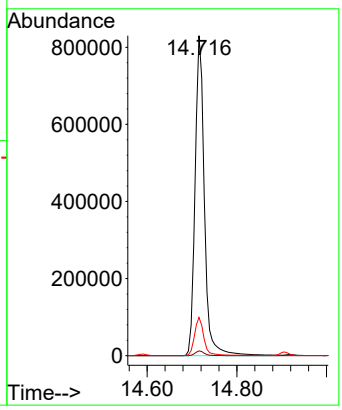




#85
Di-n-octyl phthalate
Concen: 63.095 ng
RT: 14.716 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 119604

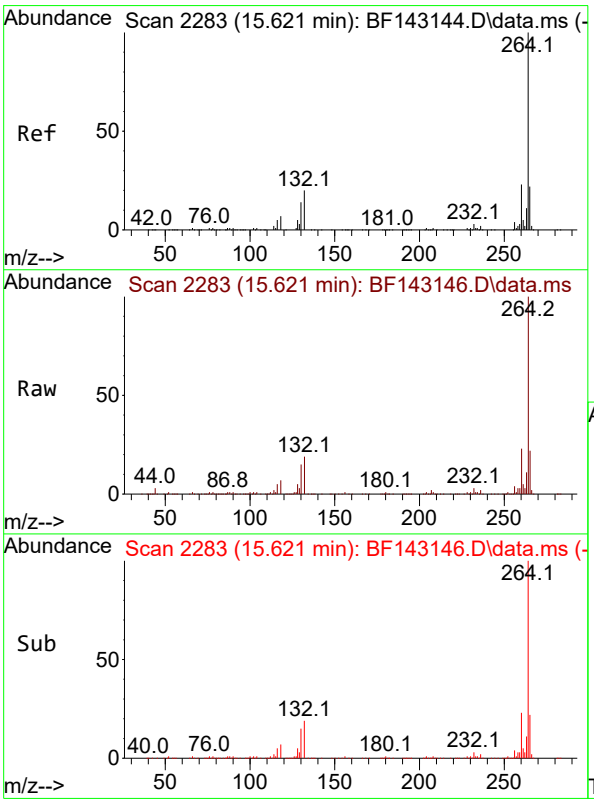
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.0	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

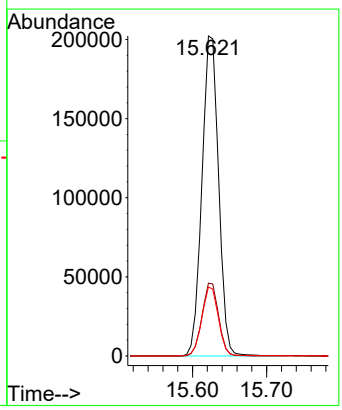
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

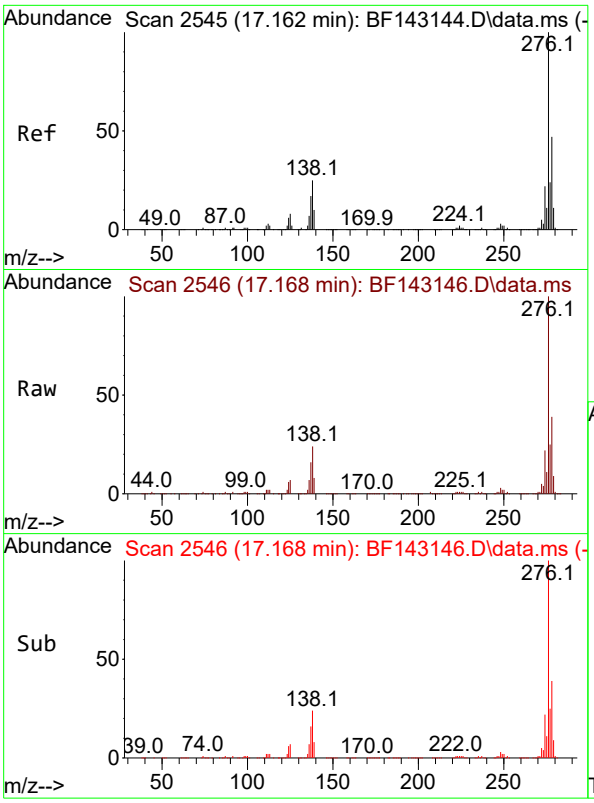


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:264 Resp: 315904

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.5	17.4	26.2

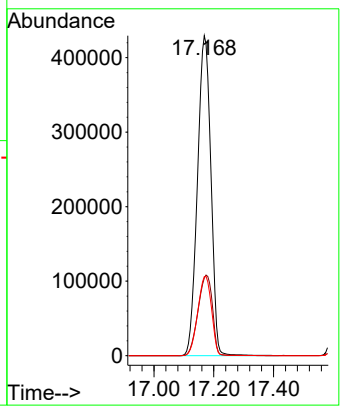




#87
Indeno(1,2,3-cd)pyrene
Concen: 60.037 ng
RT: 17.168 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:276 Resp: 133736

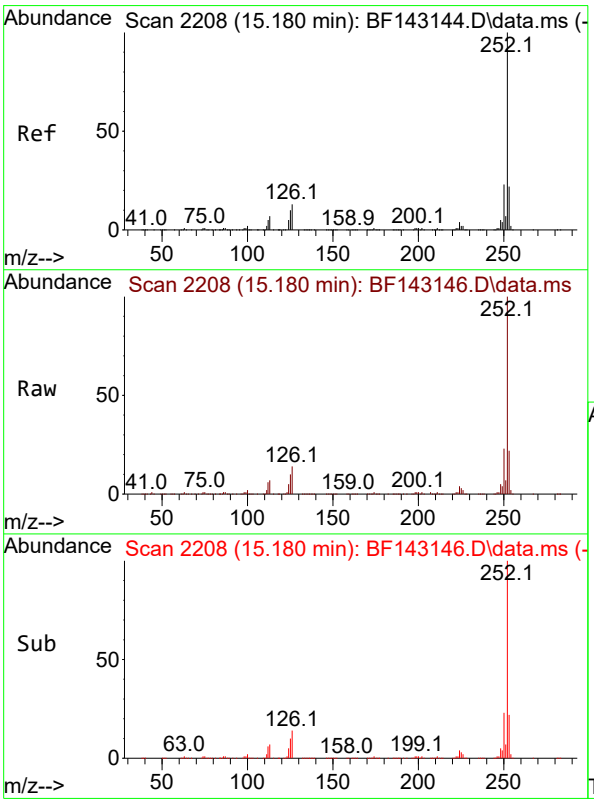
Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.4	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

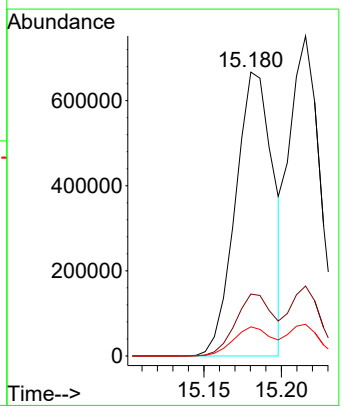
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

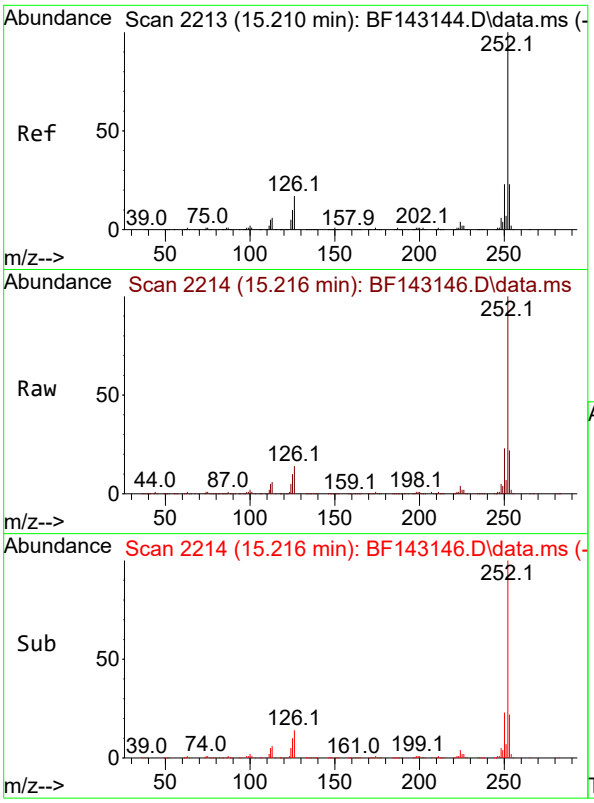


#88
Benzo(b)fluoranthene
Concen: 58.328 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 1125667

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.3	8.0	12.0

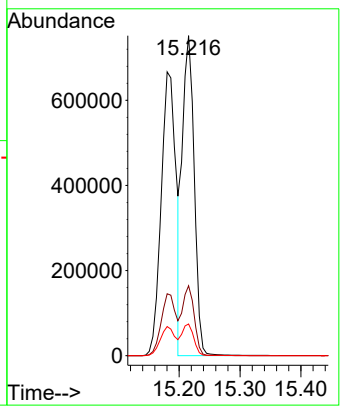




#89
Benzo(k)fluoranthene
Concen: 59.411 ng
RT: 15.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 102313

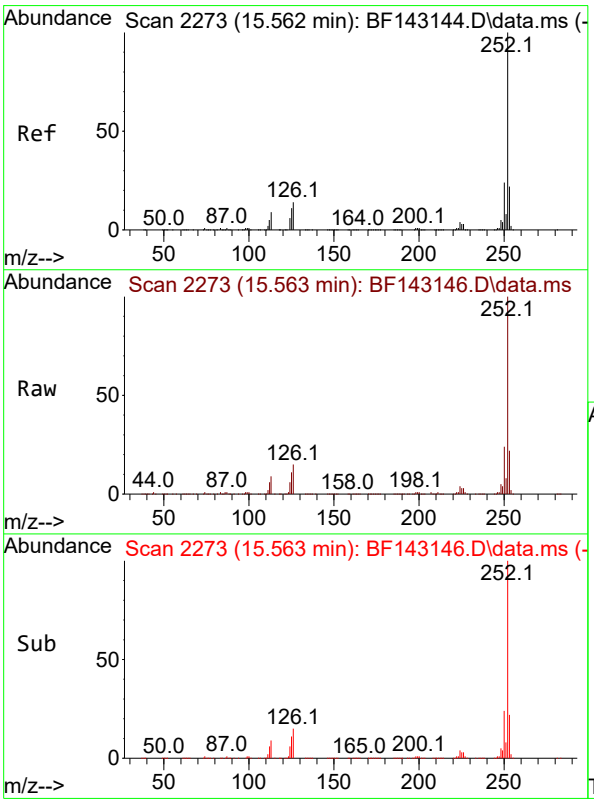
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.9	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

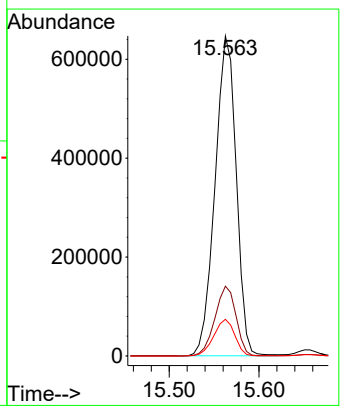
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

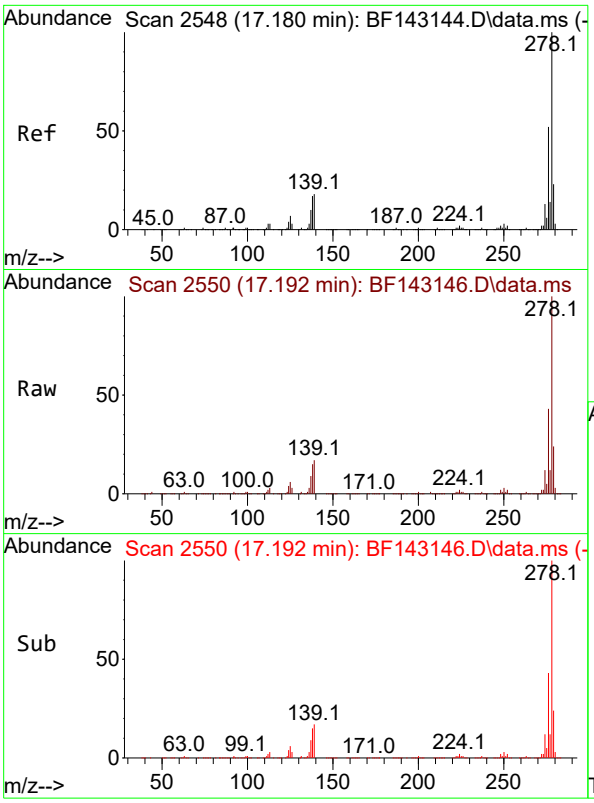


#90
Benzo(a)pyrene
Concen: 59.730 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 1062049

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.5	8.6	13.0

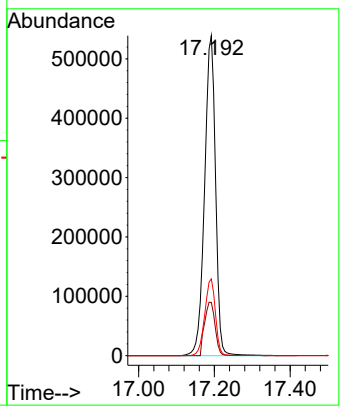




#91
Dibenzo(a,h)anthracene
Concen: 59.610 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:278 Resp: 108076

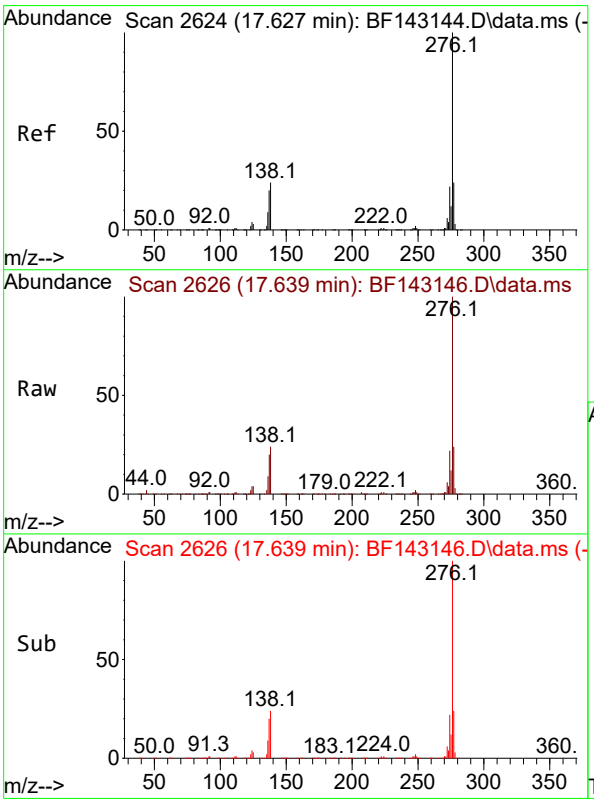
Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.1	21.1
279	24.0	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

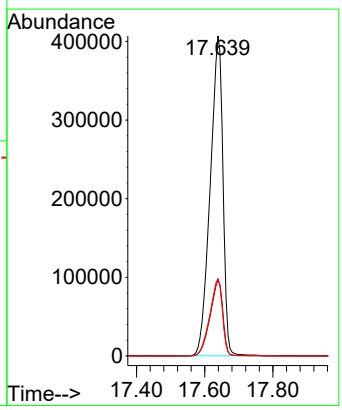
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:276 Resp: 1055168

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	24.2	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143147.D
Acq On : 17 Jul 2025 14:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	145034	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	544516	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	275619	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	429046	20.000	ng		0.00
76) Chrysene-d12	14.127	240	245351	20.000	ng		0.00
86) Perylene-d12	15.627	264	296687	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	1300344	141.880	ng		0.00
7) Phenol-d6	6.593	99	1639937	142.159	ng		0.00
23) Nitrobenzene-d5	7.534	82	1644581	150.551	ng		0.01
42) 2,4,6-Tribromophenol	10.792	330	437054	153.498	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	2623071	130.157	ng		0.00
79) Terphenyl-d14	13.069	244	2202828	133.606	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.793	88	323993	74.710	ng		99
3) Pyridine	3.569	79	842446	74.844	ng		99
4) n-Nitrosodimethylamine	3.528	42	445612	76.677	ng		97
6) Aniline	6.628	93	1170943	72.831	ng		98
8) 2-Chlorophenol	6.751	128	699193	72.781	ng		99
9) Benzaldehyde	6.516	77	493544	57.055	ng		99
10) Phenol	6.610	94	888041m	70.663	ng		
11) bis(2-Chloroethyl)ether	6.698	93	697645	72.503	ng		100
12) 1,3-Dichlorobenzene	6.910	146	734699	70.400	ng		100
13) 1,4-Dichlorobenzene	6.987	146	739462	70.360	ng		99
14) 1,2-Dichlorobenzene	7.140	146	709300	70.958	ng		100
15) Benzyl Alcohol	7.104	79	661847	75.139	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1265589	70.902	ng		99
17) 2-Methylphenol	7.210	107	595477	73.719	ng		99
18) Hexachloroethane	7.481	117	266665	73.293	ng		99
19) n-Nitroso-di-n-propyla...	7.387	70	528820	71.452	ng		99
20) 3+4-Methylphenols	7.369	107	673906	68.763	ng	#	87
22) Acetophenone	7.375	105	890890	69.107	ng	#	95
24) Nitrobenzene	7.551	77	751964	73.836	ng		100
25) Isophorone	7.792	82	1453353	75.366	ng		99
26) 2-Nitrophenol	7.863	139	364951	82.568	ng		100
27) 2,4-Dimethylphenol	7.898	122	649144	72.050	ng		99
28) bis(2-Chloroethoxy)met...	7.992	93	834021	72.134	ng		99
29) 2,4-Dichlorophenol	8.104	162	558665	73.527	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	588333	71.673	ng		99
31) Naphthalene	8.269	128	1854387	69.150	ng		100
32) Benzoic acid	8.028	122	423625m	79.801	ng		
33) 4-Chloroaniline	8.310	127	787243	71.895	ng		98
34) Hexachlorobutadiene	8.392	225	368327	73.453	ng		99
35) Caprolactam	8.698	113	178271	77.644	ng		96
36) 4-Chloro-3-methylphenol	8.792	107	614048	74.354	ng		99
37) 2-Methylnaphthalene	8.957	142	1137176	69.687	ng		100
38) 1-Methylnaphthalene	9.057	142	1168702	69.550	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	568070	71.389	ng		99
41) Hexachlorocyclopentadiene	9.122	237	412756	79.719	ng		100
43) 2,4,6-Trichlorophenol	9.234	196	412148	74.838	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143147.D
Acq On : 17 Jul 2025 14:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	423565	76.888	ng		99
46) 1,1'-Biphenyl	9.428	154	1492094	69.388	ng		100
47) 2-Chloronaphthalene	9.451	162	1131626	71.122	ng		100
48) 2-Nitroaniline	9.534	65	404023	80.971	ng		96
49) Acenaphthylene	9.869	152	1868062	70.057	ng		100
50) Dimethylphthalate	9.728	163	1288559	71.723	ng		99
51) 2,6-Dinitrotoluene	9.781	165	292718	80.093	ng		99
52) Acenaphthene	10.039	154	1120315	71.086	ng		99
53) 3-Nitroaniline	9.951	138	333980	78.128	ng		98
54) 2,4-Dinitrophenol	10.051	184	133446	80.516	ng	#	40
55) Dibenzofuran	10.210	168	1615399	69.038	ng		99
56) 4-Nitrophenol	10.098	139	252698	79.161	ng		99
57) 2,4-Dinitrotoluene	10.186	165	376124	82.029	ng		96
58) Fluorene	10.551	166	1197731	68.203	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	340118	74.533	ng		100
60) Diethylphthalate	10.422	149	1276217	71.870	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	614962	70.326	ng		99
62) 4-Nitroaniline	10.569	138	291926	79.680	ng		98
63) Azobenzene	10.704	77	1318720	71.255	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	186415	78.948	ng		98
66) n-Nitrosodiphenylamine	10.663	169	1087990	72.014	ng		98
67) 4-Bromophenyl-phenylether	11.033	248	382122	74.734	ng		98
68) Hexachlorobenzene	11.104	284	399107	74.680	ng		96
69) Atrazine	11.180	200	324126	77.819	ng		99
70) Pentachlorophenol	11.286	266	257176	81.829	ng		98
71) Phenanthrene	11.516	178	1602208	70.331	ng		100
72) Anthracene	11.563	178	1641264	70.640	ng		100
73) Carbazole	11.710	167	1435444	70.754	ng		99
74) Di-n-butylphthalate	12.045	149	1699503	74.034	ng		100
75) Fluoranthene	12.698	202	1498103	71.645	ng		99
78) Pyrene	12.927	202	1466205	70.021	ng		100
80) Butylbenzylphthalate	13.539	149	521631	81.353	ng		99
81) Benzo(a)anthracene	14.116	228	1212056	73.788	ng		100
82) 3,3'-Dichlorobenzidine	14.074	252	393448	71.867	ng		99
83) Chrysene	14.151	228	1105636	74.863	ng		100
84) Bis(2-ethylhexyl)phtha...	14.104	149	774366	79.790	ng		99
85) Di-n-octyl phthalate	14.716	149	1434055	81.519	ng		99
87) Indeno(1,2,3-cd)pyrene	17.174	276	1604969	76.718	ng		99
88) Benzo(b)fluoranthene	15.186	252	1438518	79.367	ng		100
89) Benzo(k)fluoranthene	15.216	252	1111726	68.737	ng		100
90) Benzo(a)pyrene	15.568	252	1269253	76.006	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	1289789	75.746	ng		99
92) Benzo(g,h,i)perylene	17.645	276	1265778	76.846	ng		100

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

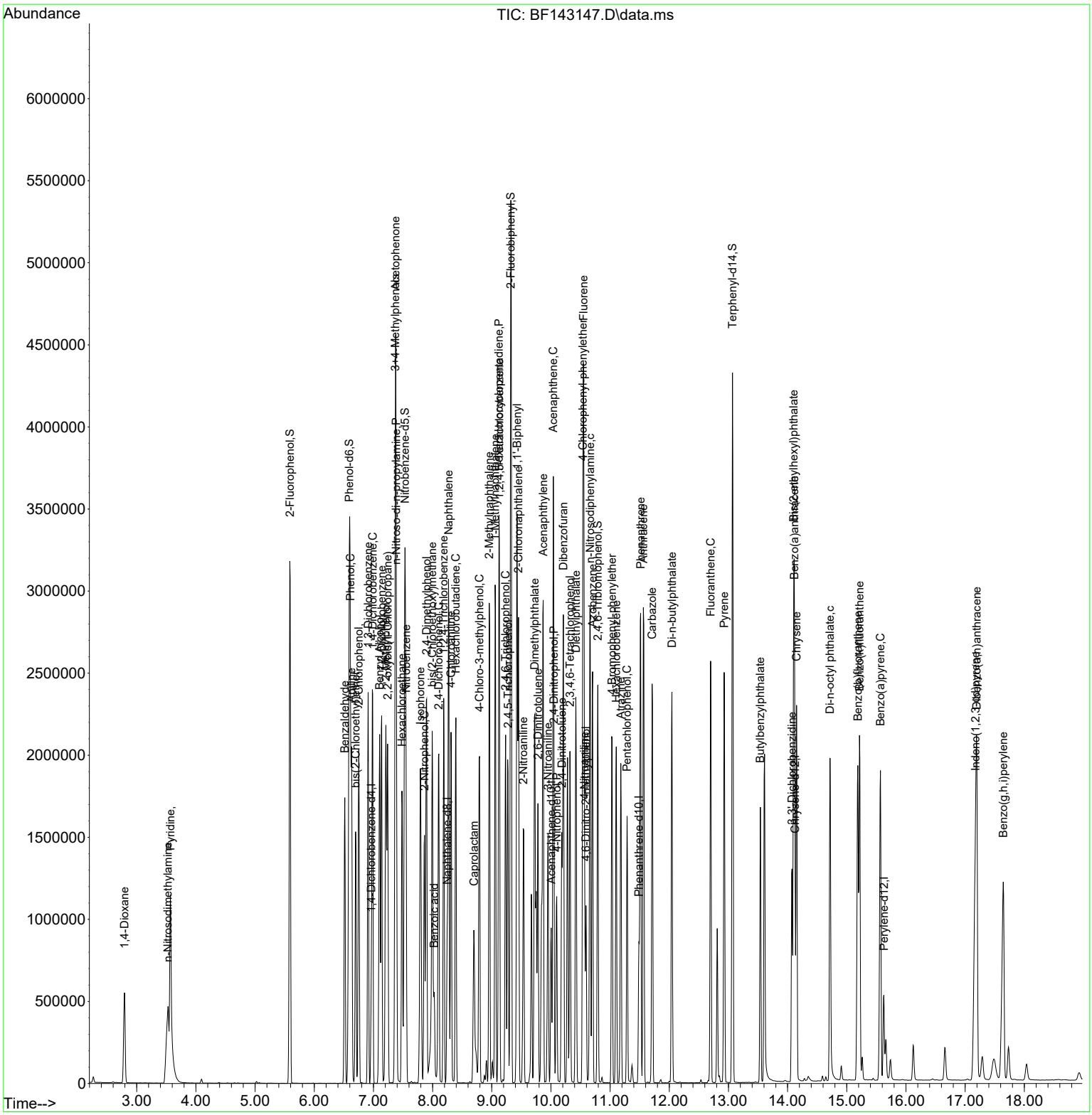
ICAL Form

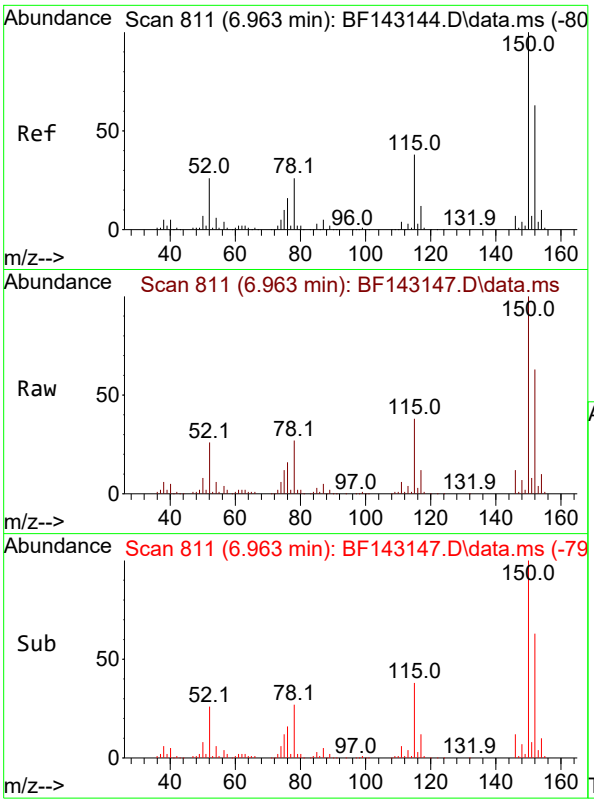
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143147.D
Acq On : 17 Jul 2025 14:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

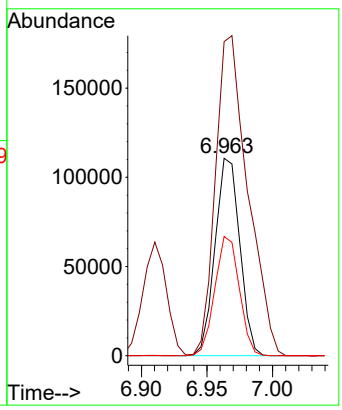




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:152 Resp: 14503

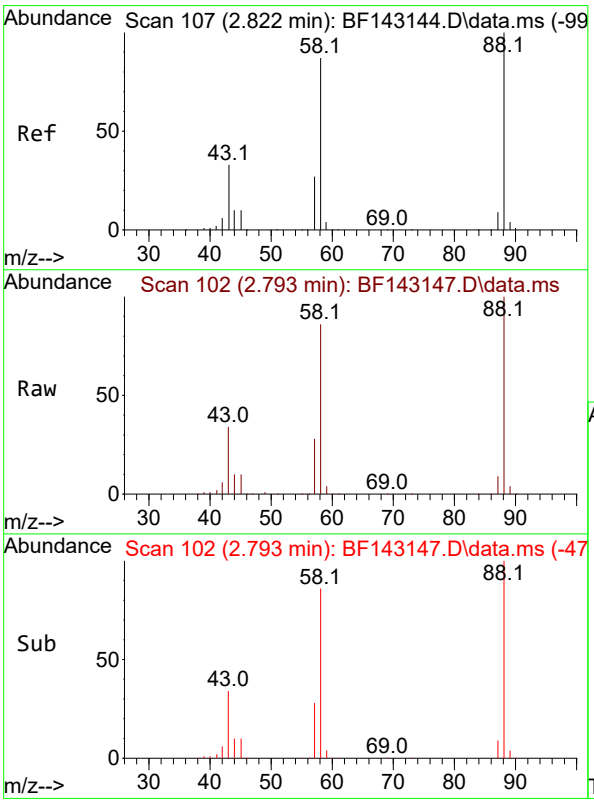
Ion	Ratio	Lower	Upper
152	100		
150	159.0	128.2	192.4
115	60.4	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

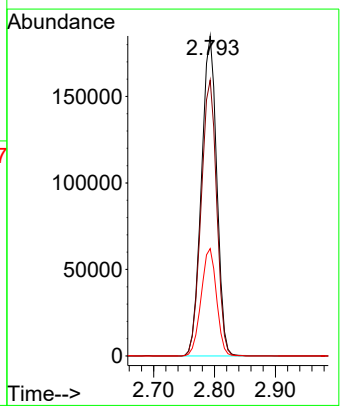
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

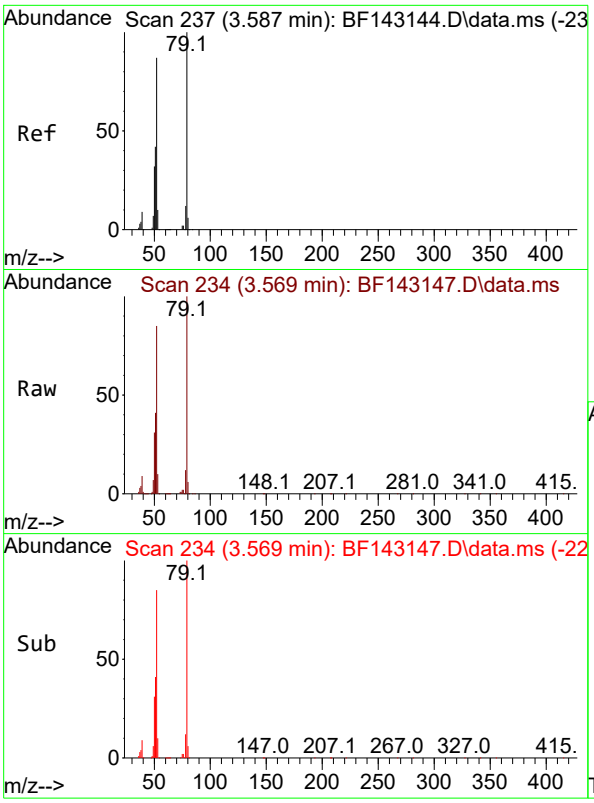


#2
1,4-Dioxane
Concen: 74.710 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 88 Resp: 323993

Ion	Ratio	Lower	Upper
88	100		
58	86.8	70.2	105.2
43	33.6	27.1	40.7

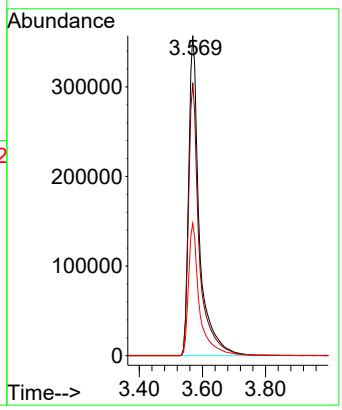




#3
Pyridine
Concen: 74.844 ng
RT: 3.569 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 79 Resp: 84244

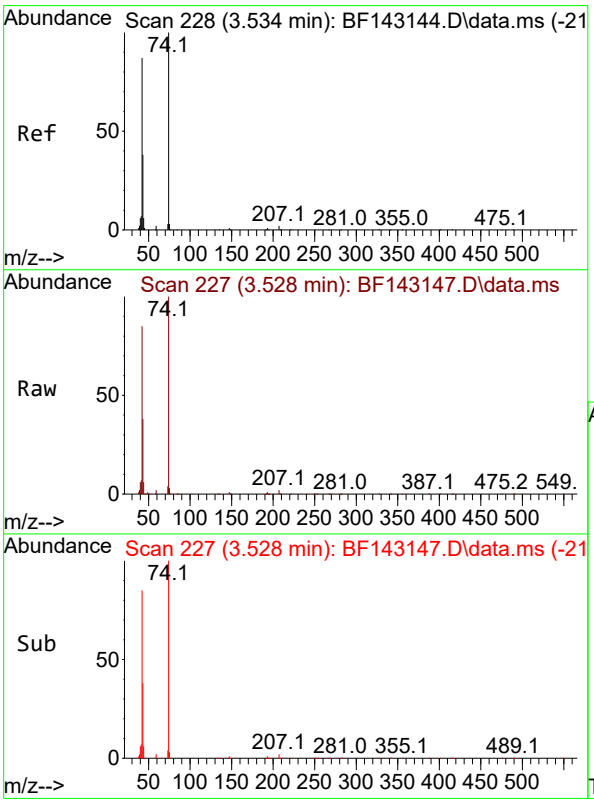
Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.4	104.2
51	41.4	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

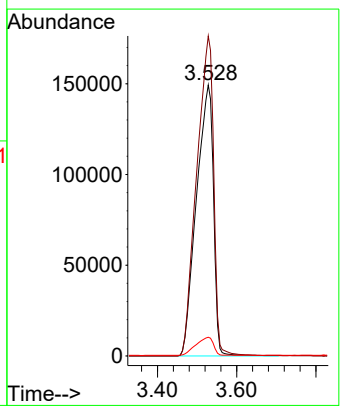
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

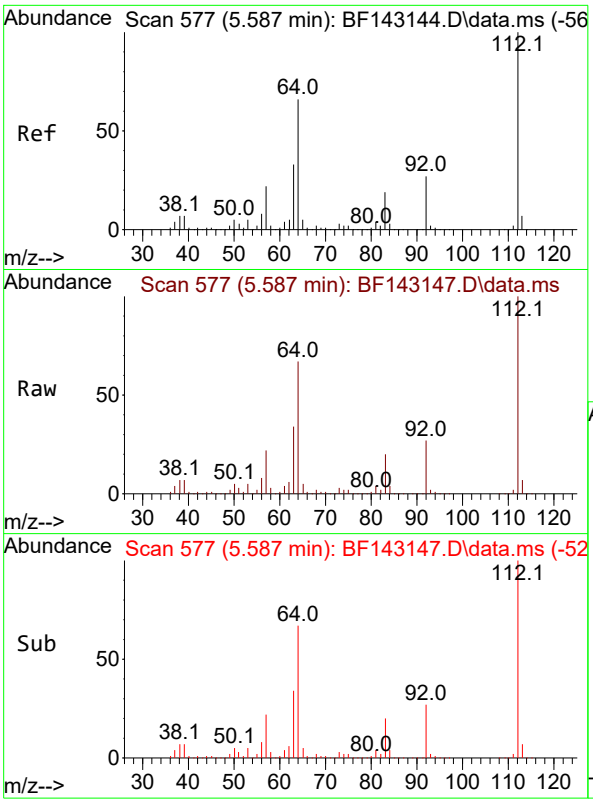


#4
n-Nitrosodimethylamine
Concen: 76.677 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 42 Resp: 445612

Ion	Ratio	Lower	Upper
42	100		
74	118.0	91.7	137.5
44	6.9	5.6	8.4

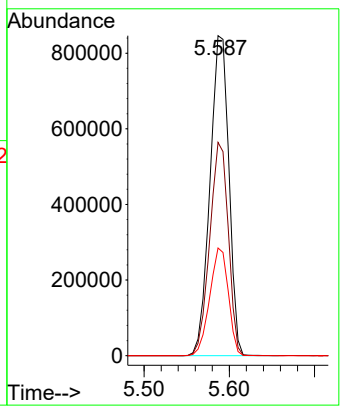




#5
2-Fluorophenol
Concen: 141.880 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:112 Resp: 130034

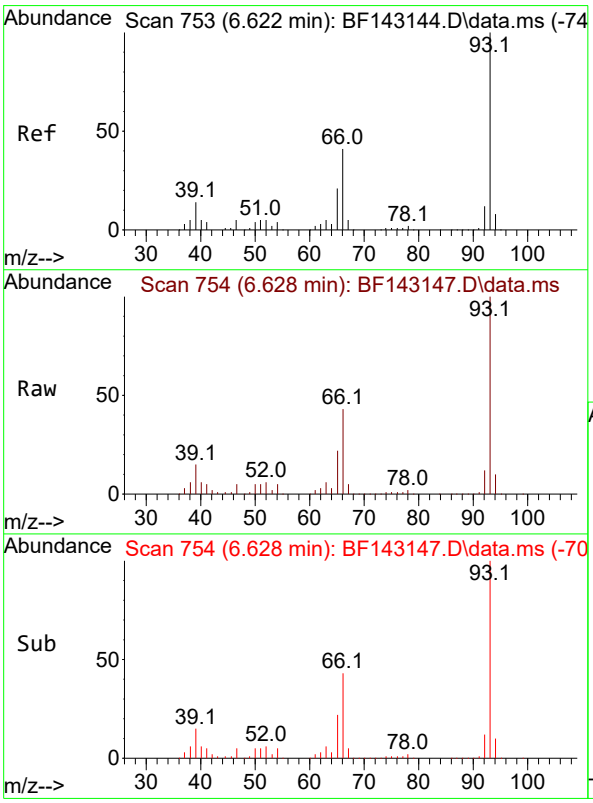
Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	33.6	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

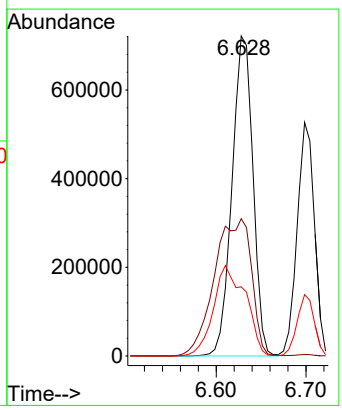
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

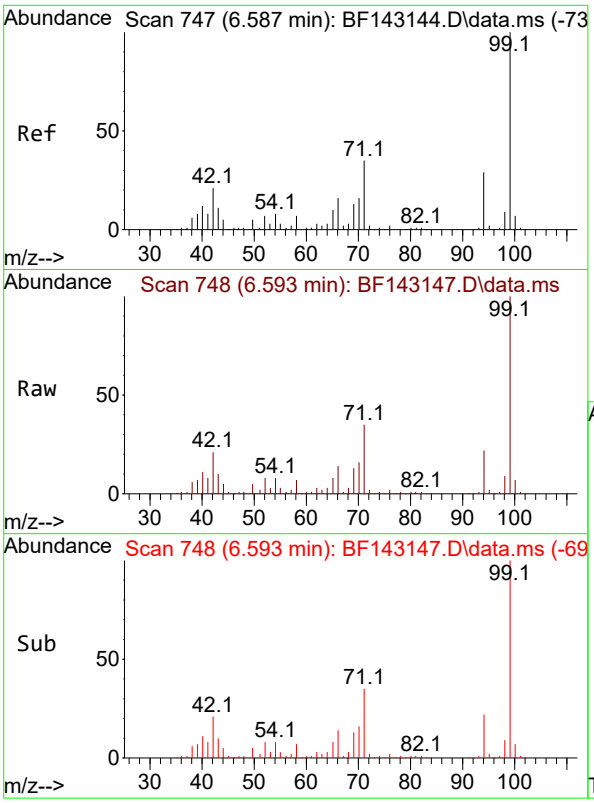


#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 1170943

Ion	Ratio	Lower	Upper
93	100		
66	42.9	33.2	49.8
65	21.6	16.9	25.3

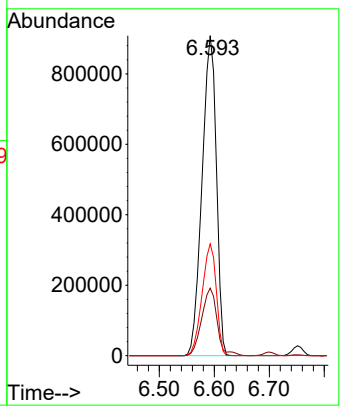




#7
Phenol-d6
Concen: 142.159 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 99 Resp: 163993

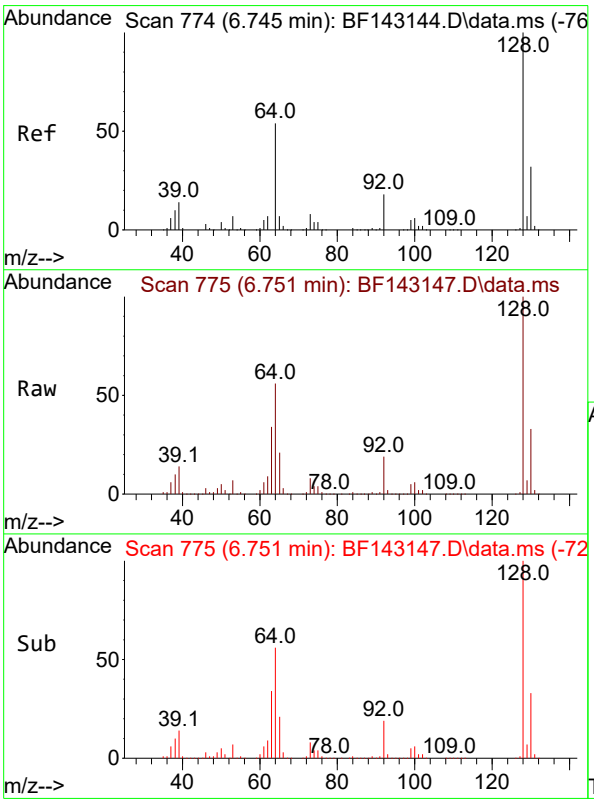
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	35.0	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

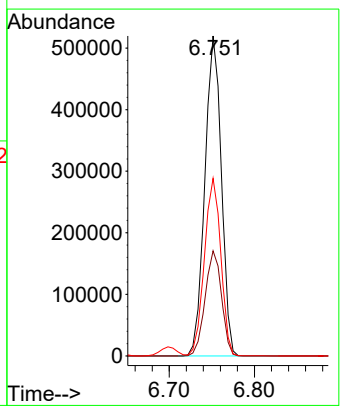
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

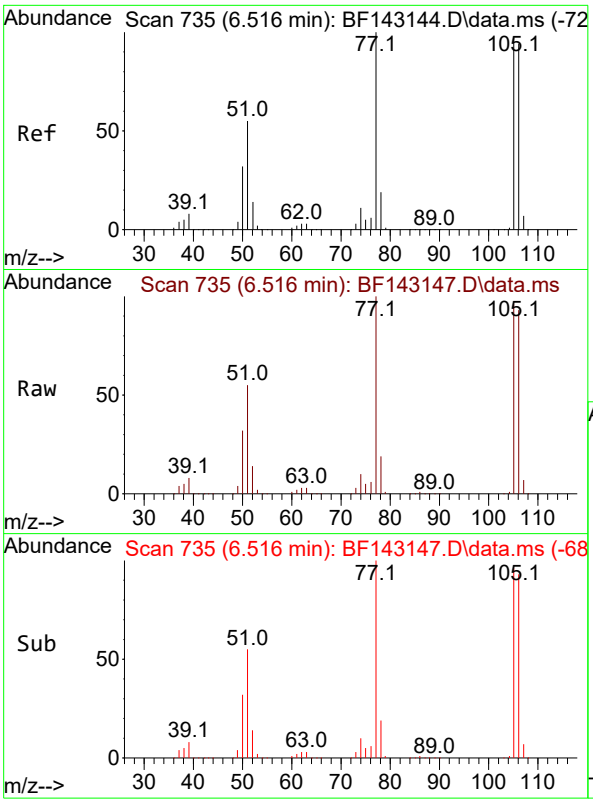


#8
2-Chlorophenol
Concen: 72.781 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:128 Resp: 699193

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	55.5	35.9	75.9

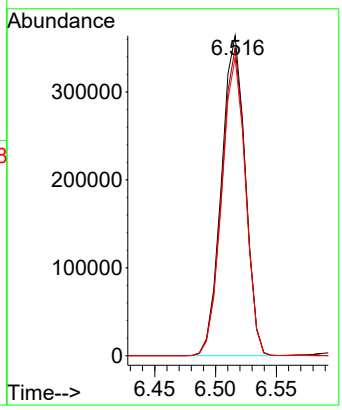




#9
Benzaldehyde
Concen: 57.055 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 77 Resp: 49354

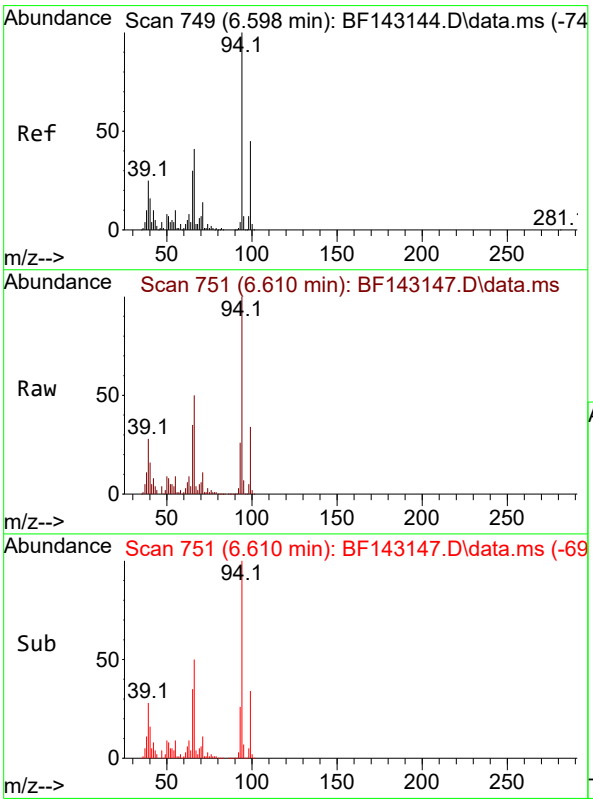
Ion	Ratio	Lower	Upper
77	100		
105	96.2	76.8	116.8
106	93.1	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

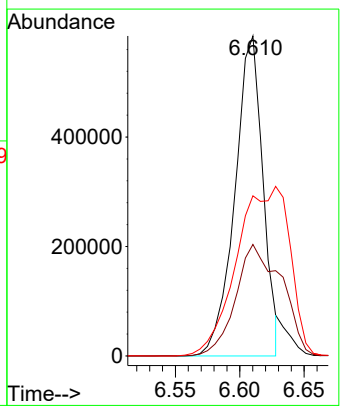
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

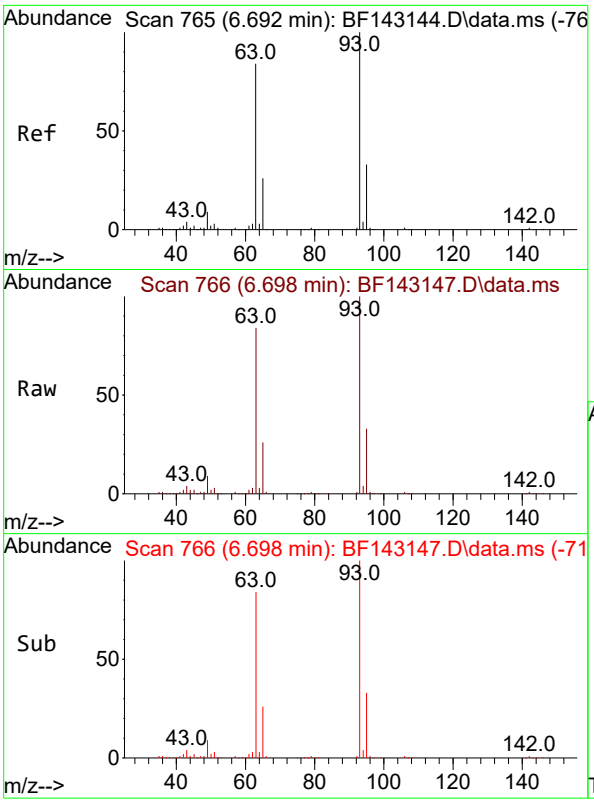


#10
Phenol
Concen: 70.663 ng m
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 94 Resp: 888041

Ion	Ratio	Lower	Upper
94	100		
65	34.9	10.0	50.0
66	50.1	20.8	60.8

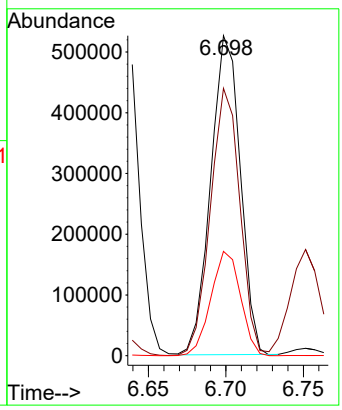




#11
bis(2-Chloroethyl)ether
Concen: 72.503 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 69764

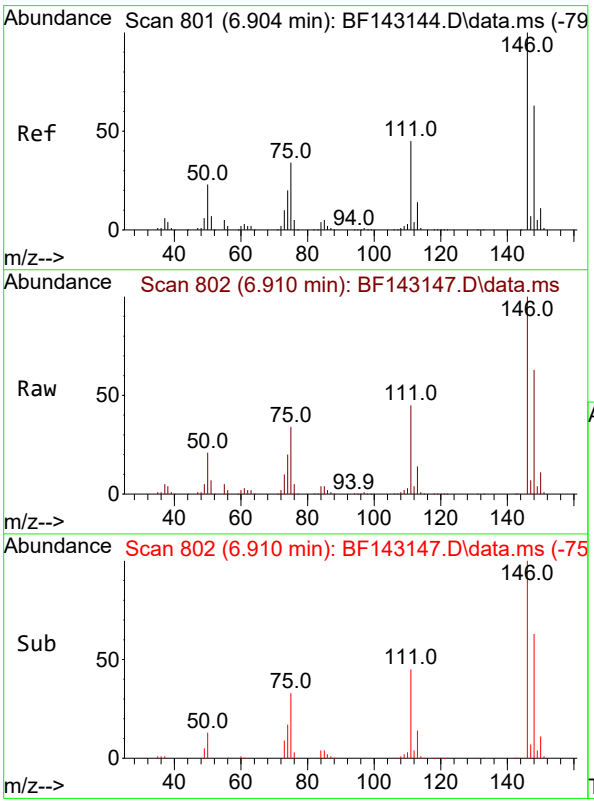
Ion	Ratio	Lower	Upper
93	100		
63	83.6	63.4	103.4
95	32.6	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

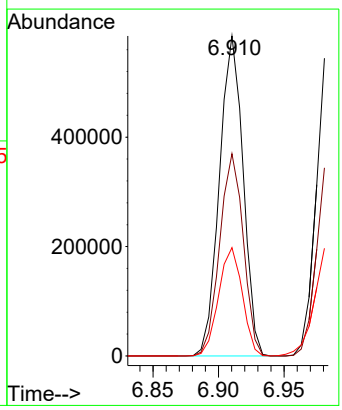
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

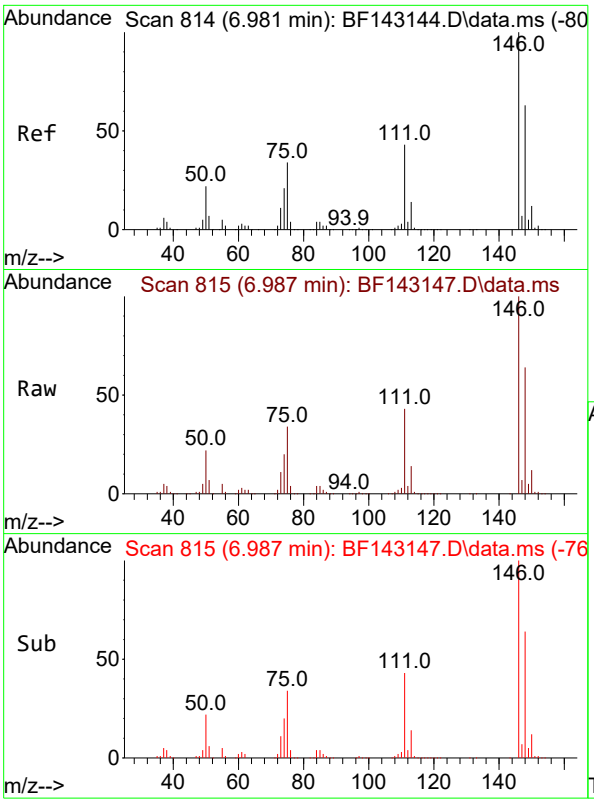


#12
1,3-Dichlorobenzene
Concen: 70.400 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:146 Resp: 734699

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
75	33.9	27.4	41.2

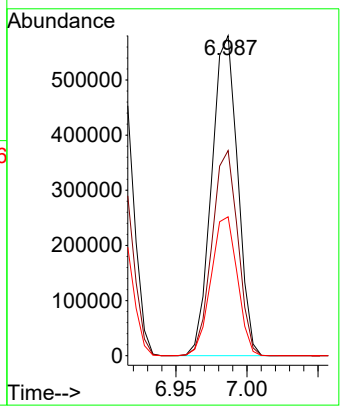




#13
1,4-Dichlorobenzene
Concen: 70.360 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:146 Resp: 73946

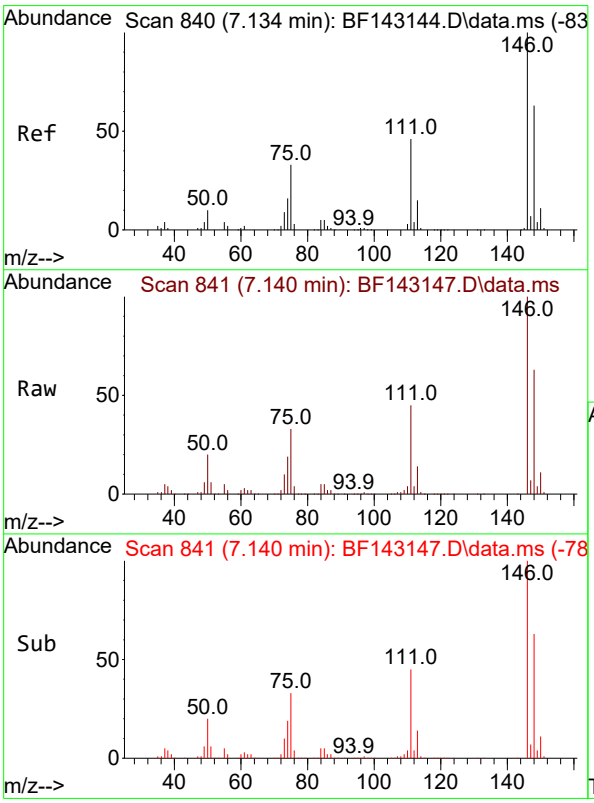
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	43.4	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

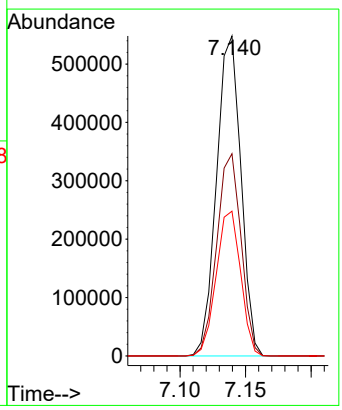
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

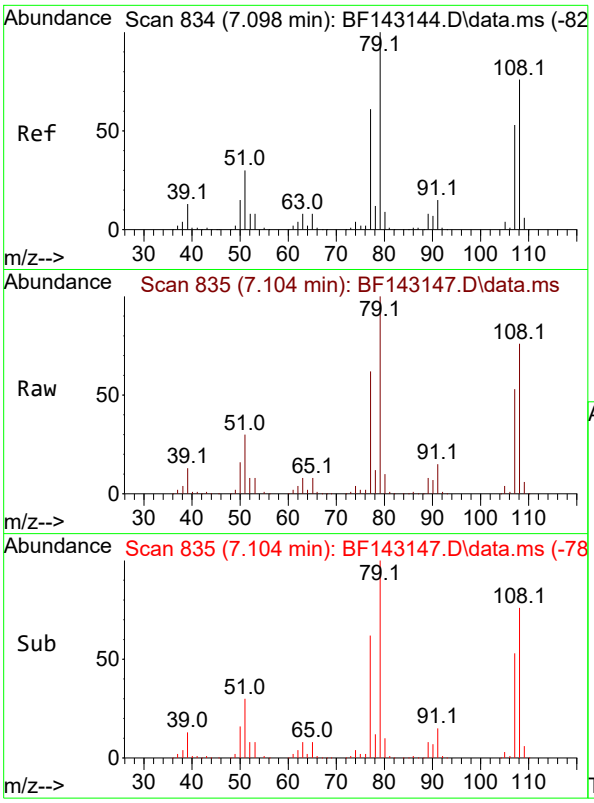


#14
1,2-Dichlorobenzene
Concen: 70.958 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:146 Resp: 709300

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.7	76.1
111	45.3	36.6	54.8

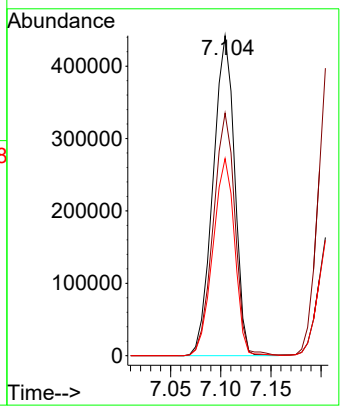




#15
Benzyl Alcohol
Concen: 75.139 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 79 Resp: 66184

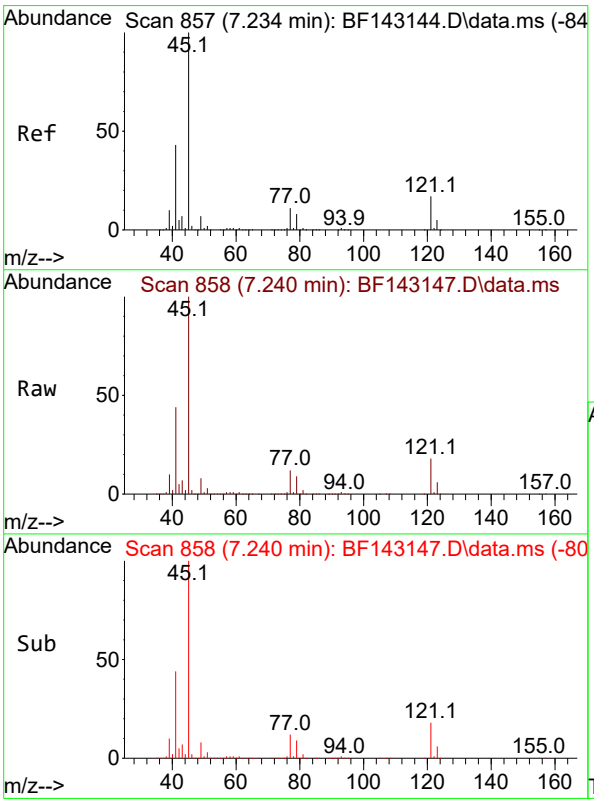
Ion	Ratio	Lower	Upper
79	100		
108	75.8	61.1	91.7
77	61.6	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

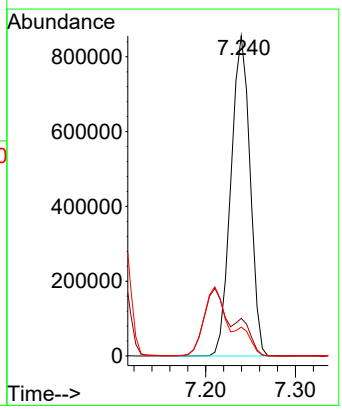
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

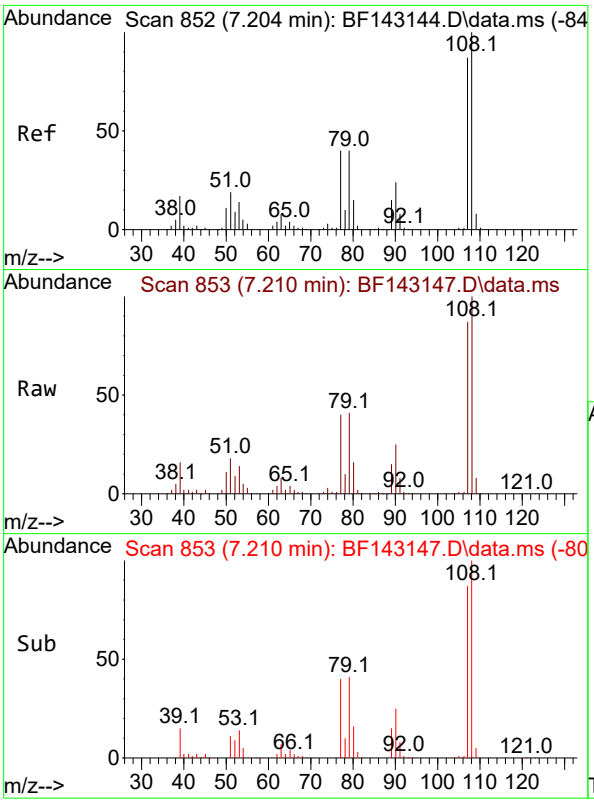


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.902 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 45 Resp: 1265589

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.2
79	9.0	0.0	28.5

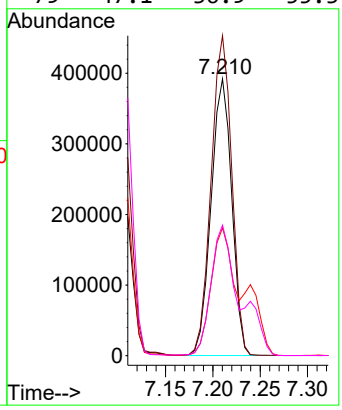




#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 59547

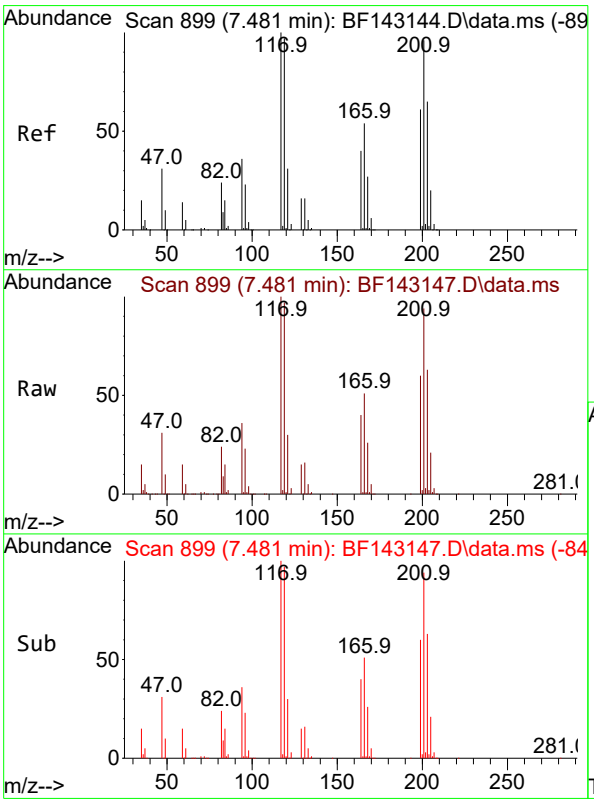
Ion	Ratio	Lower	Upper
107	100		
108	115.6	91.8	137.6
77	46.2	37.0	55.6
79	47.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

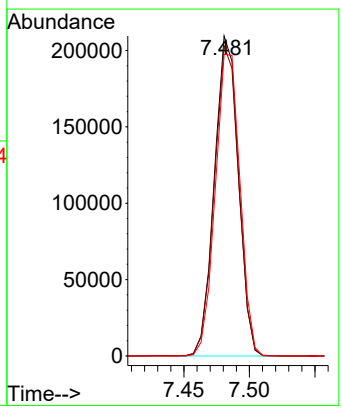
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

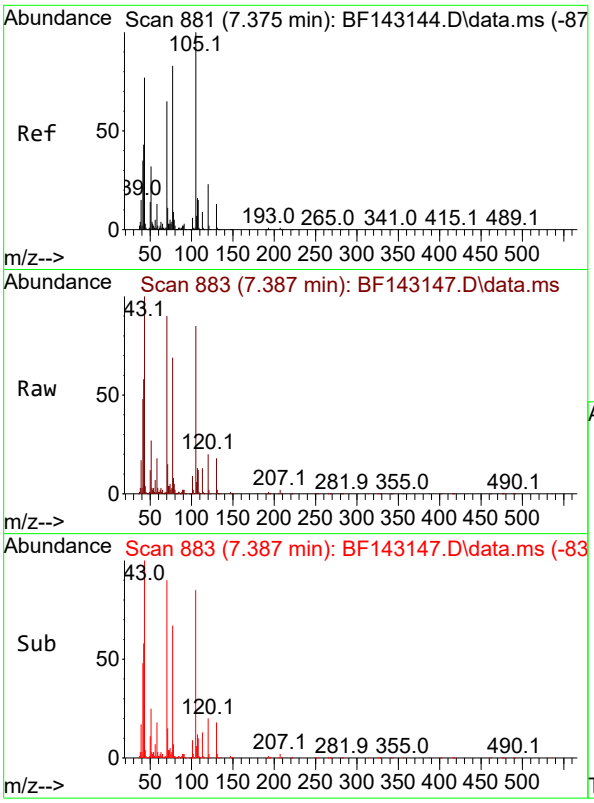


#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:117 Resp: 266665

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.8
201	94.3	77.0	115.4

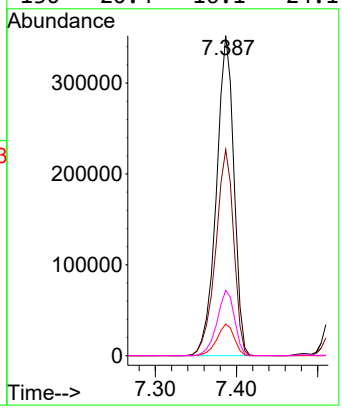




#19
n-Nitroso-di-n-propylamine
Concen: 71.452 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 70 Resp: 52882

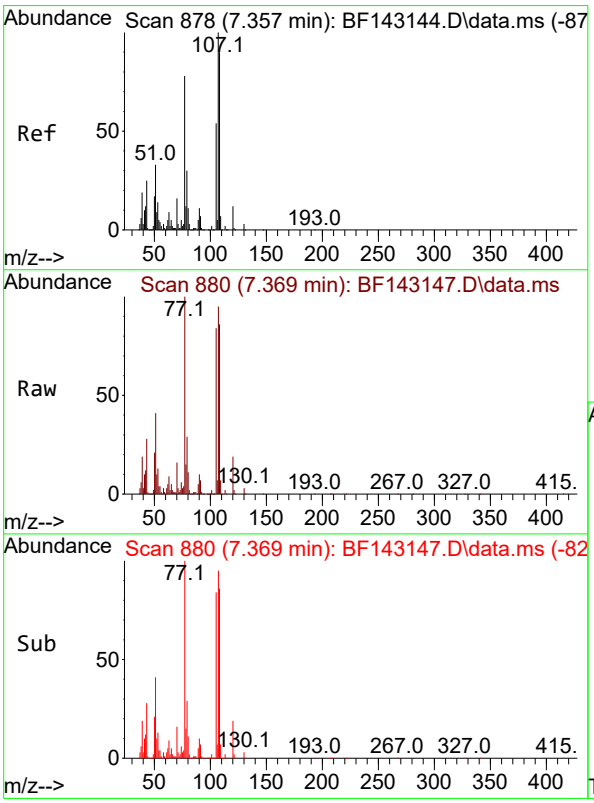
Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.9	7.6	11.4
130	20.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

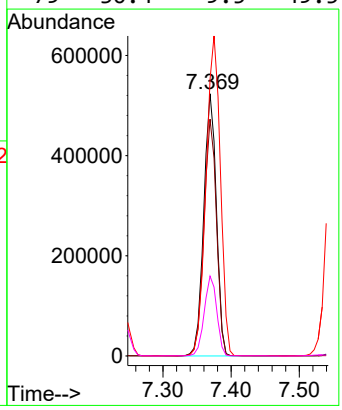
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

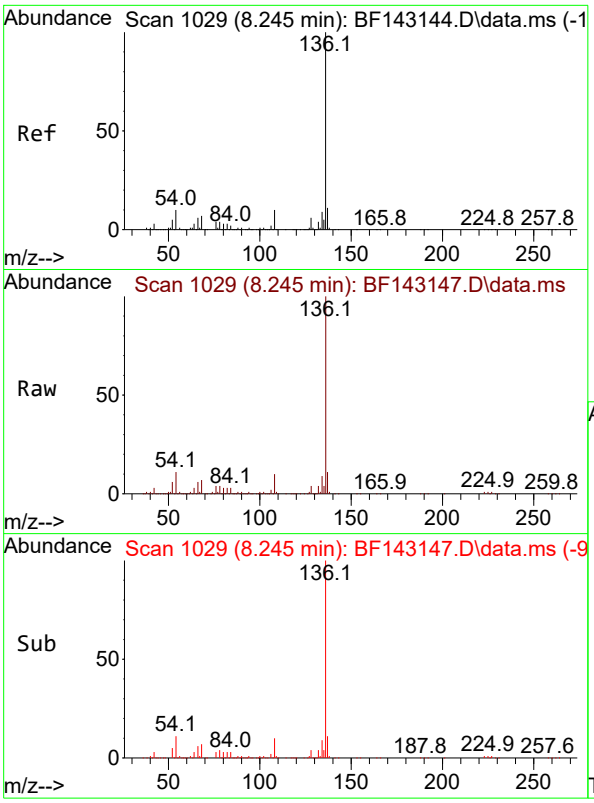


#20
3+4-Methylphenols
Concen: 68.763 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 673906

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.0	110.0
77	105.4	57.8	97.8#
79	30.4	9.5	49.5

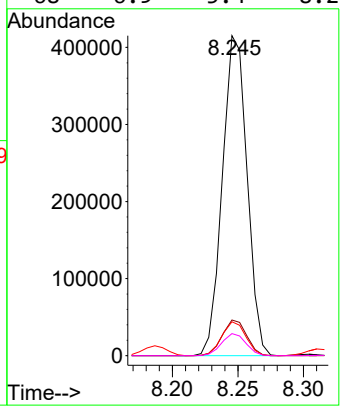




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:136 Resp: 54451

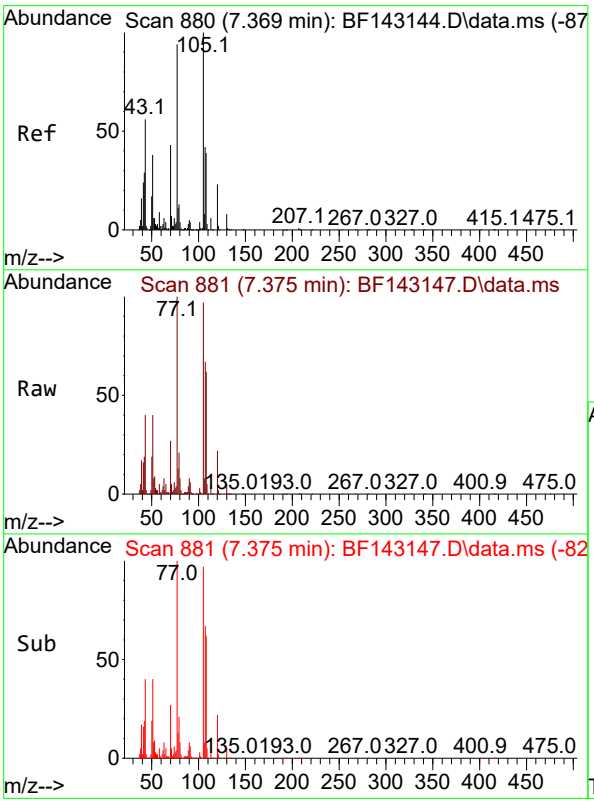
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.6	8.2	12.2
68	6.9	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

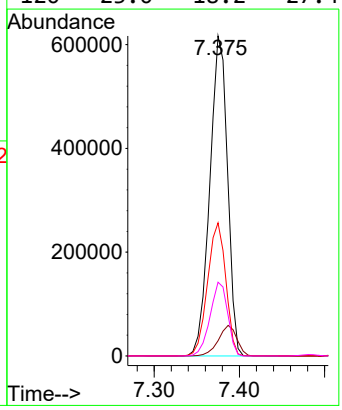
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

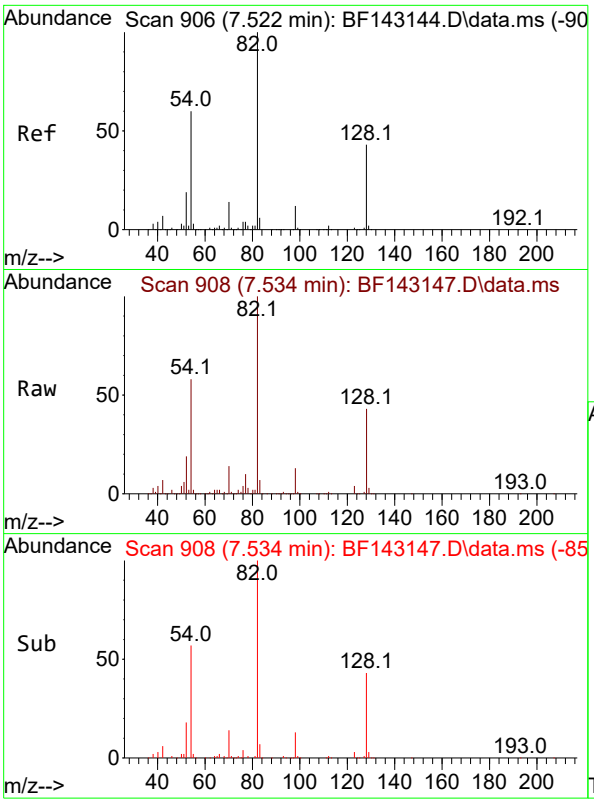


#22
Acetophenone
Concen: 69.107 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:105 Resp: 890890

Ion	Ratio	Lower	Upper
105	100		
71	4.8	5.8	8.6#
51	41.6	30.2	45.2
120	23.0	18.2	27.4





#23
Nitrobenzene-d5
Concen: 150.551 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

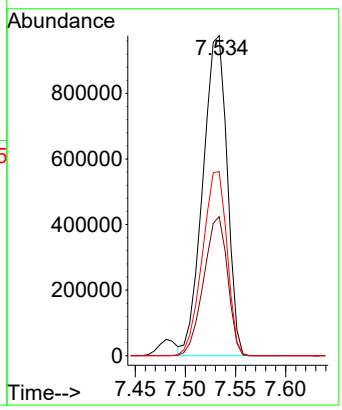
Tgt Ion: 82 Resp: 164458

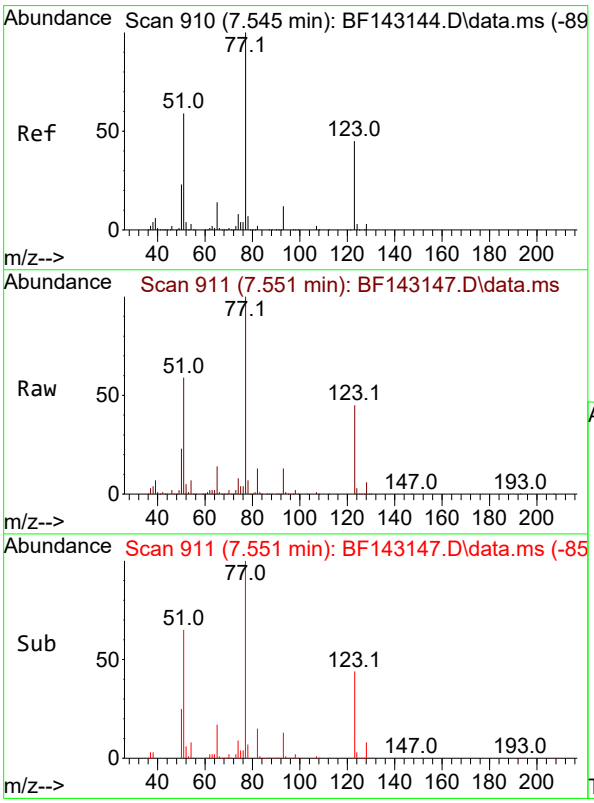
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	57.5	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

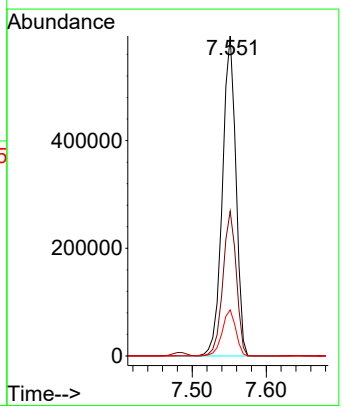


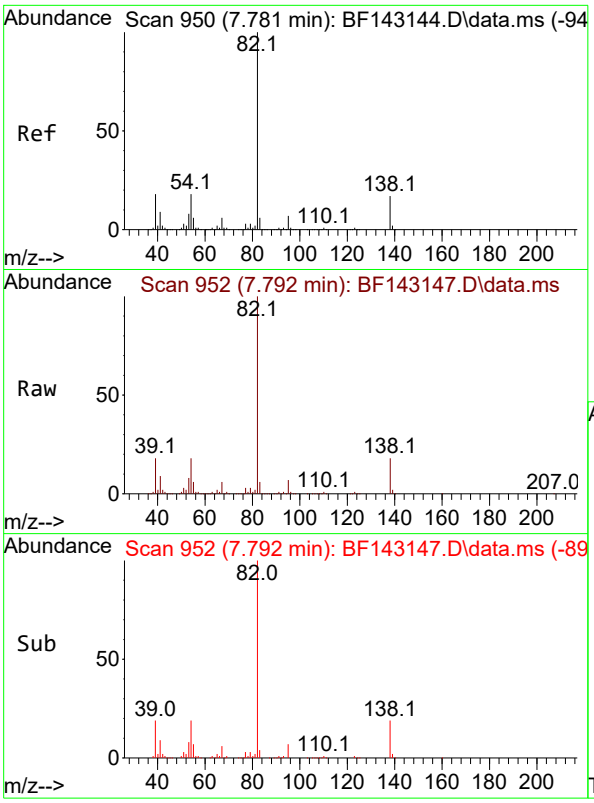


#24
Nitrobenzene
Concen: 73.836 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 77 Resp: 751964

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.4	11.4	17.2





#25
Isophorone
Concen: 75.366 ng
RT: 7.792 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

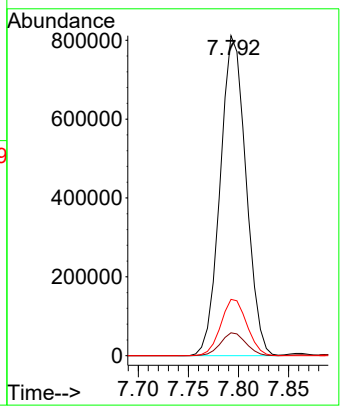
Tgt Ion: 82 Resp: 145335

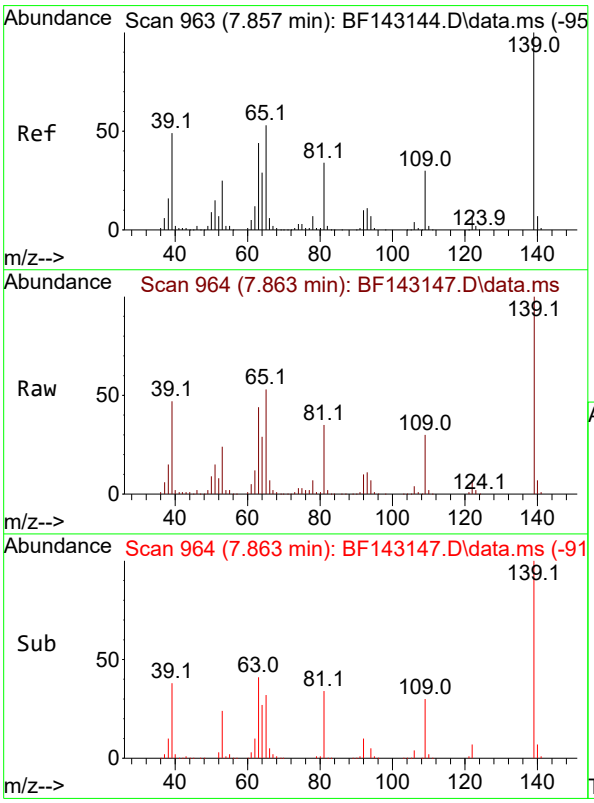
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	17.6	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

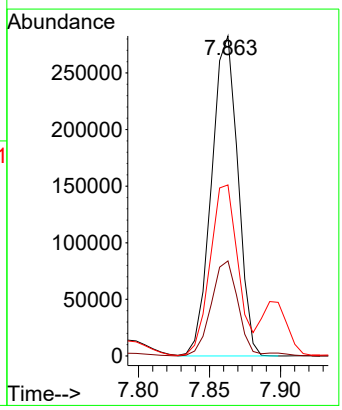


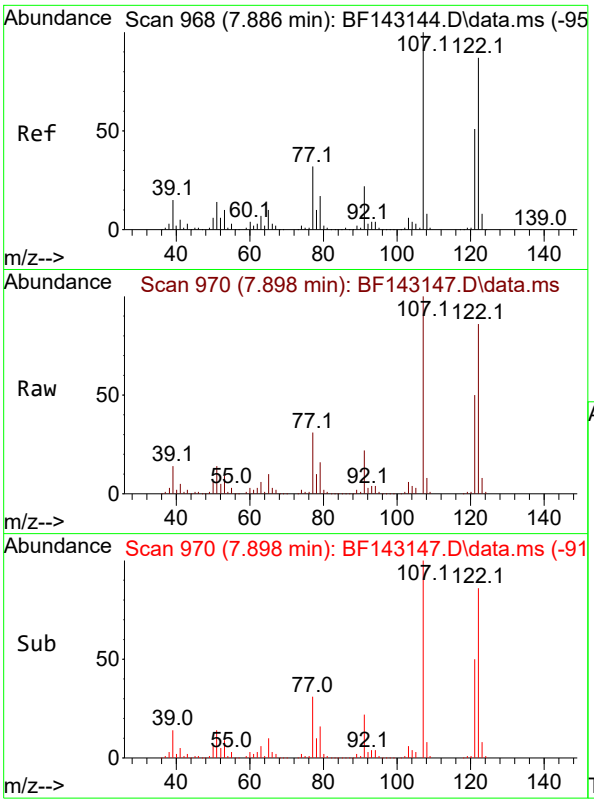


#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 364951

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.6	35.4
65	53.4	42.6	64.0

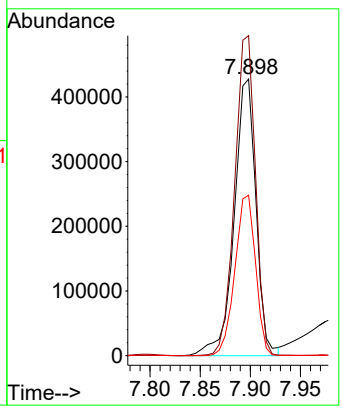




#27
2,4-Dimethylphenol
Concen: 72.050 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:122 Resp: 64914

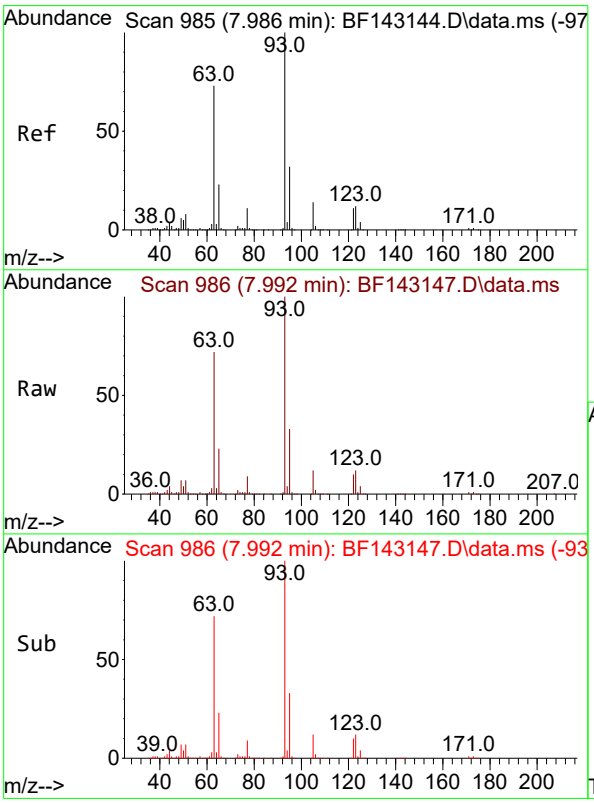
Ion	Ratio	Lower	Upper
122	100		
107	115.7	91.8	137.6
121	58.0	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

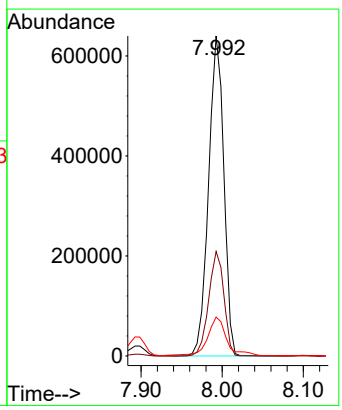
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

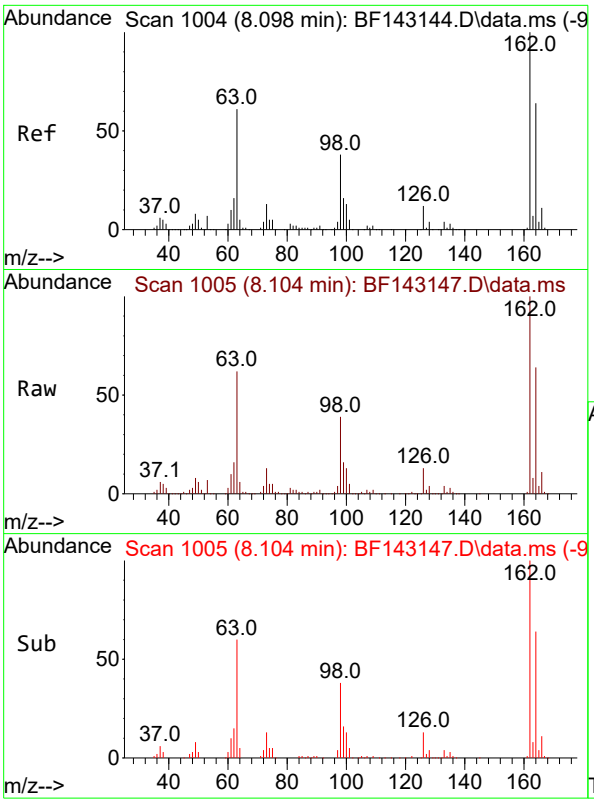


#28
bis(2-Chloroethoxy)methane
Concen: 72.134 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 834021

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	12.2	9.7	14.5

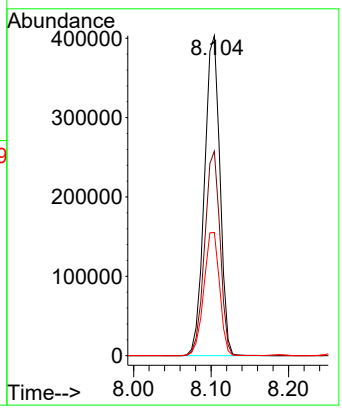




#29
2,4-Dichlorophenol
Concen: 73.527 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:162 Resp: 55866

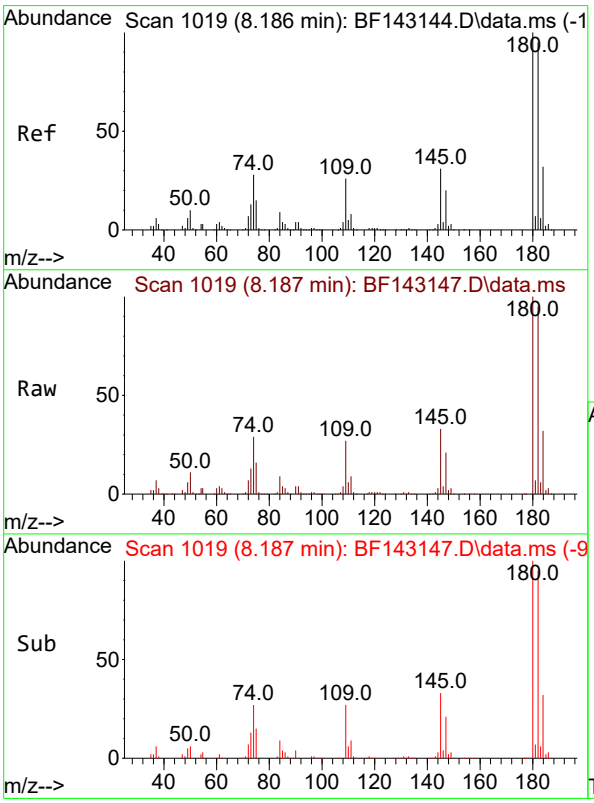
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	38.5	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

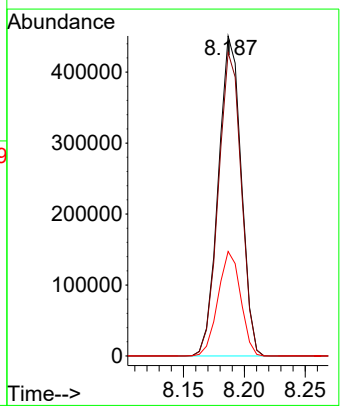
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

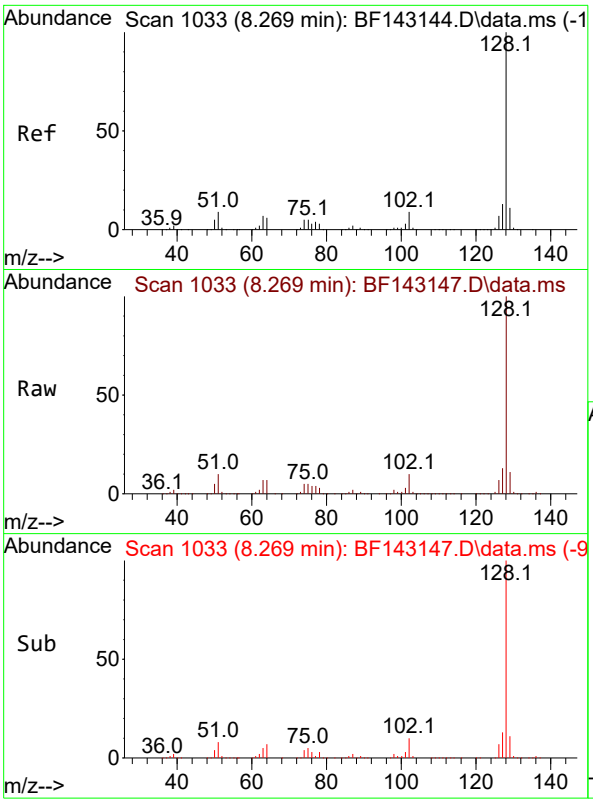


#30
1,2,4-Trichlorobenzene
Concen: 71.673 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:180 Resp: 588333

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	32.7	25.0	37.6

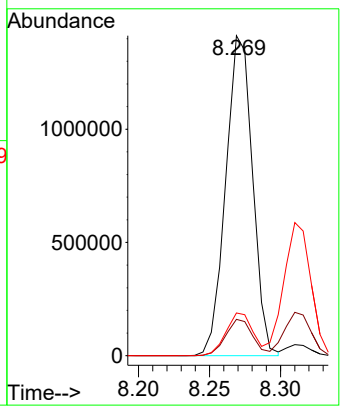




#31
Naphthalene
Concen: 69.150 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:128 Resp: 185438

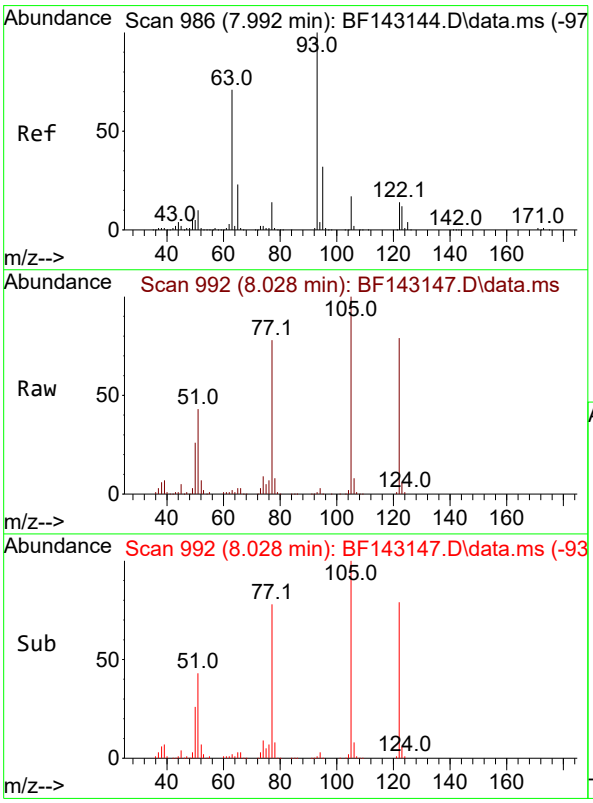
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

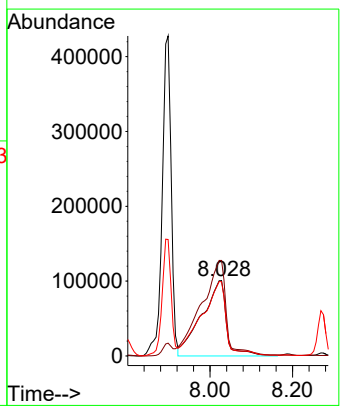
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

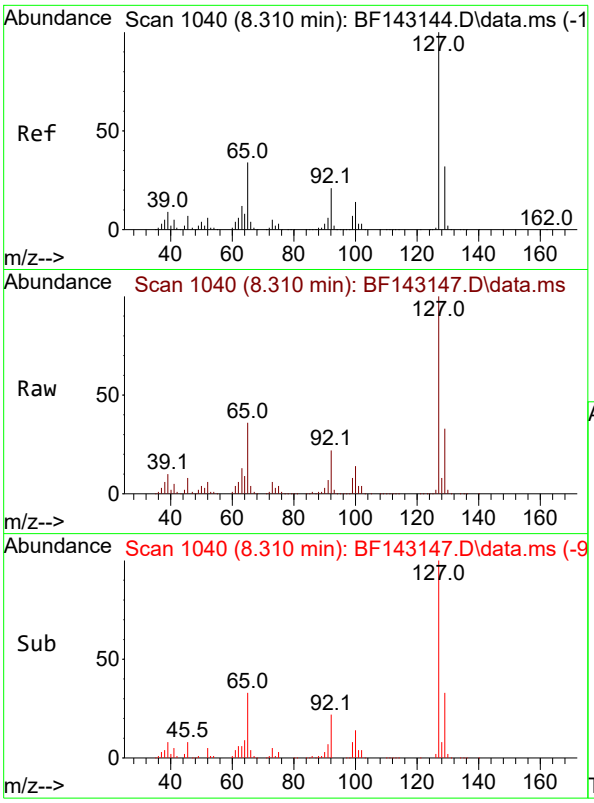


#32
Benzoic acid
Concen: 79.801 ng m
RT: 8.028 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:122 Resp: 423625

Ion	Ratio	Lower	Upper
122	100		
105	126.7	104.8	144.8
77	98.6	77.6	117.6

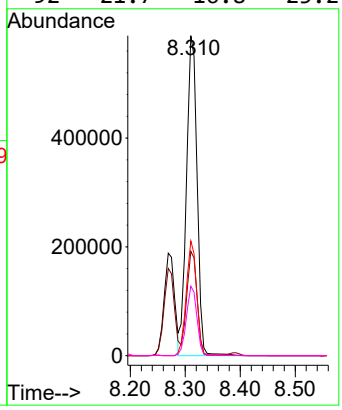




#33
4-Chloroaniline
Concen: 71.895 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:127 Resp: 78724

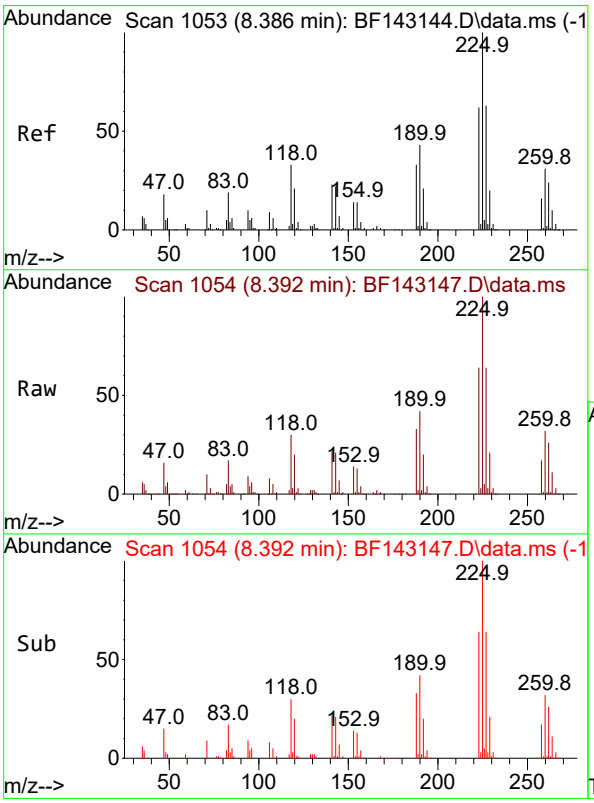
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	35.9	27.4	41.2
92	21.7	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

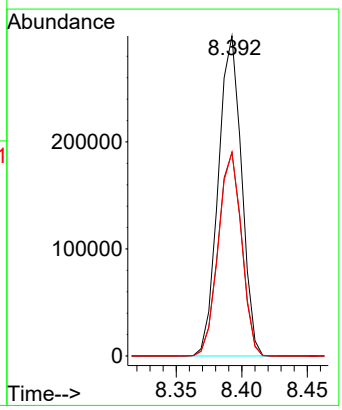
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

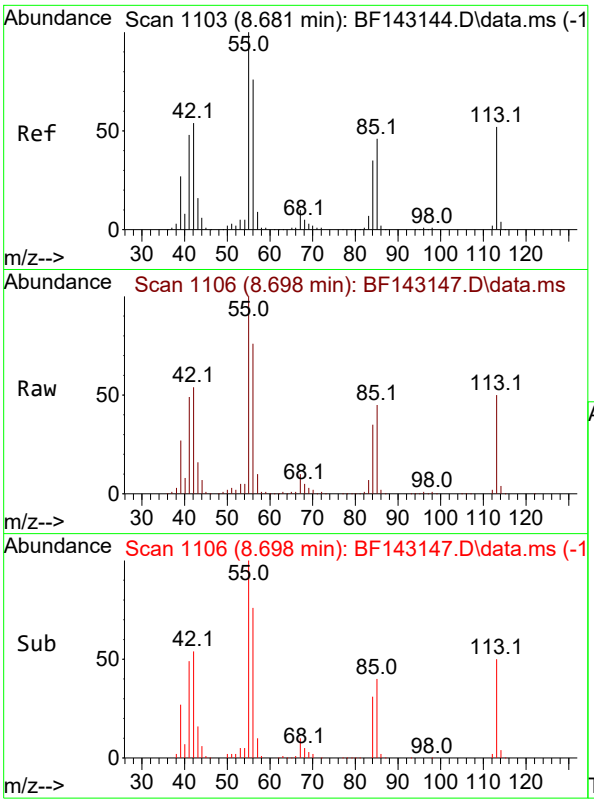


#34
Hexachlorobutadiene
Concen: 73.453 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:225 Resp: 368327

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.8	74.6
227	63.7	50.2	75.4

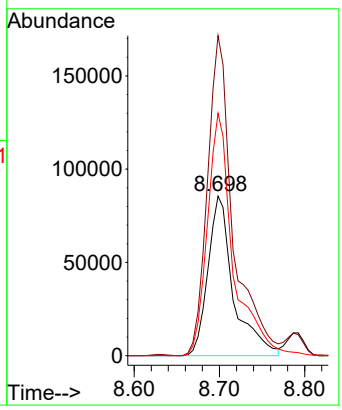




#35
Caprolactam
Concen: 77.644 ng
RT: 8.698 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:113 Resp: 17827

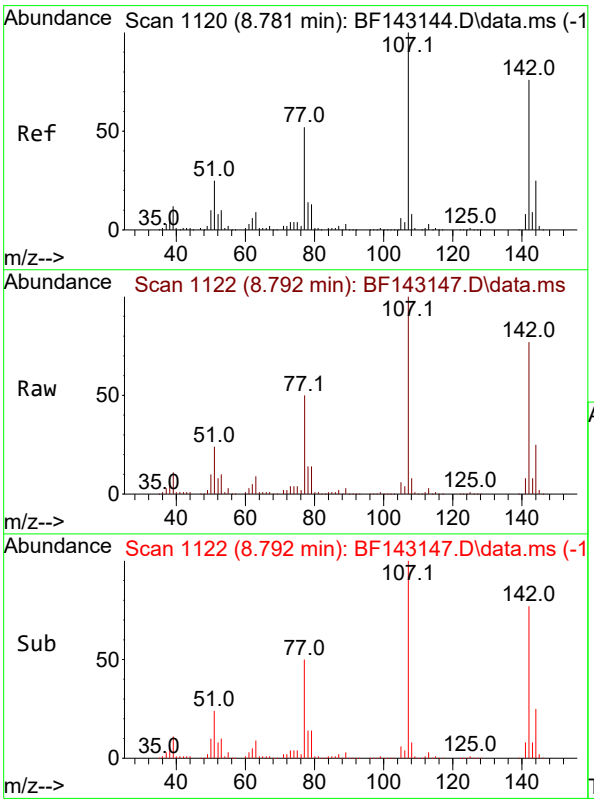
Ion	Ratio	Lower	Upper
113	100		
55	200.6	174.0	214.0
56	152.0	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

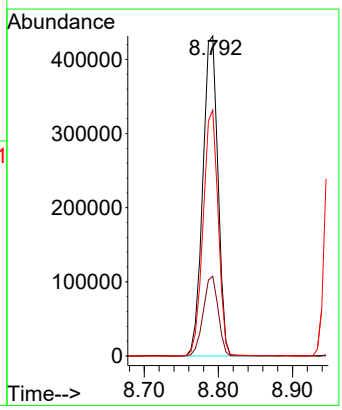
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

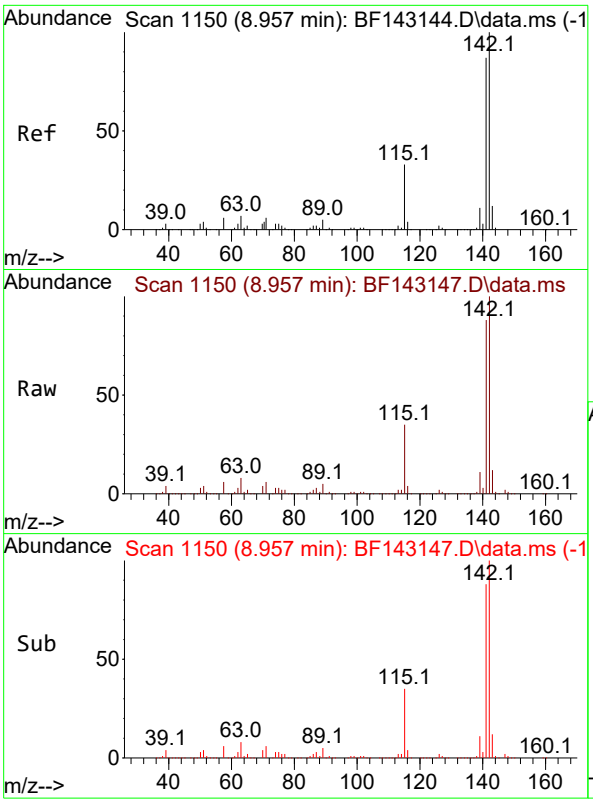


#36
4-Chloro-3-methylphenol
Concen: 74.354 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 614048

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.8	29.6
142	76.9	60.6	90.8

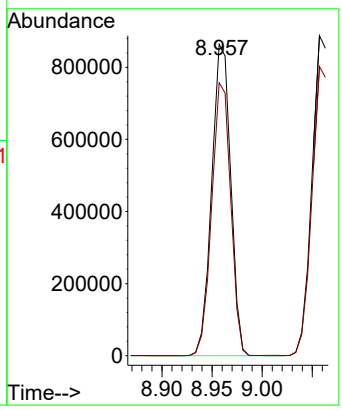




#37
2-Methylnaphthalene
Concen: 69.687 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 113717

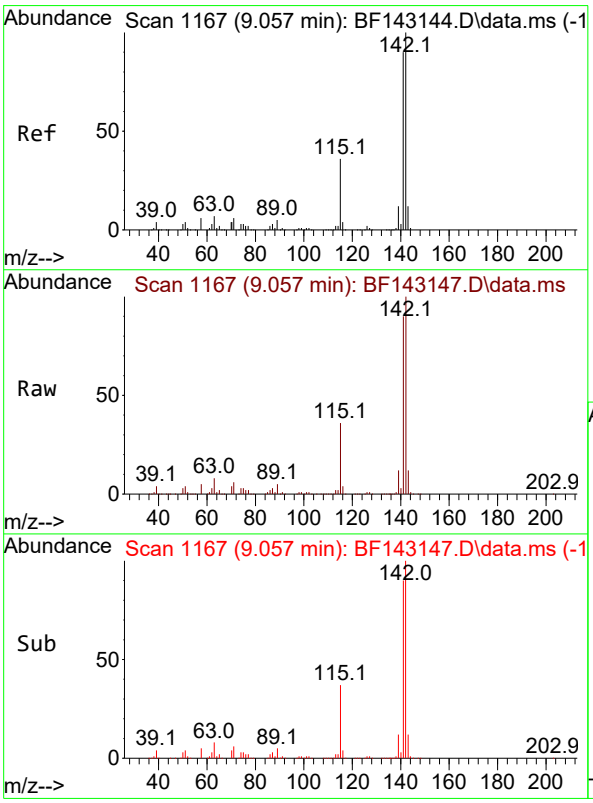
Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

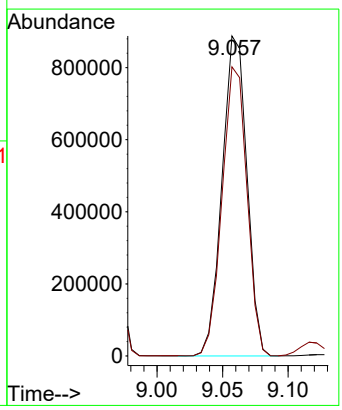
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

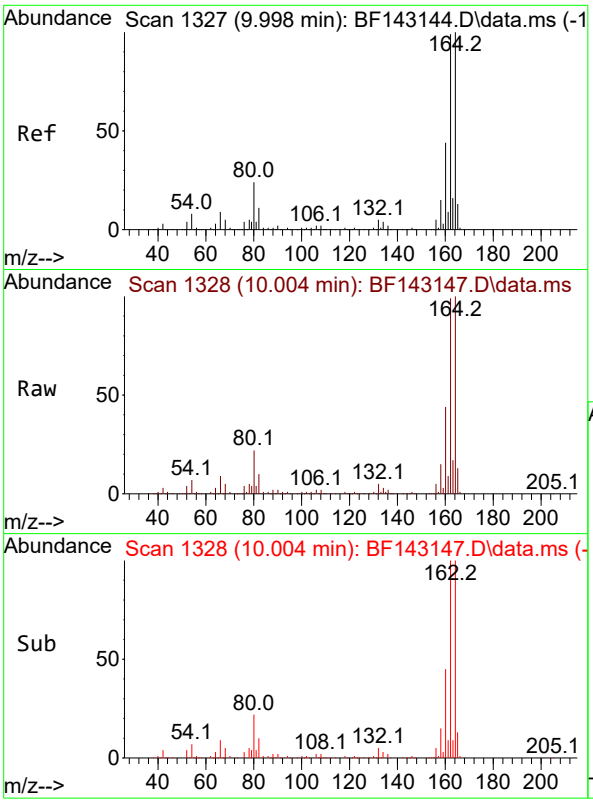


#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 1168702

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5

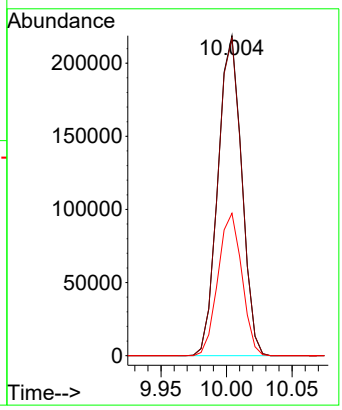




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:164 Resp: 27561

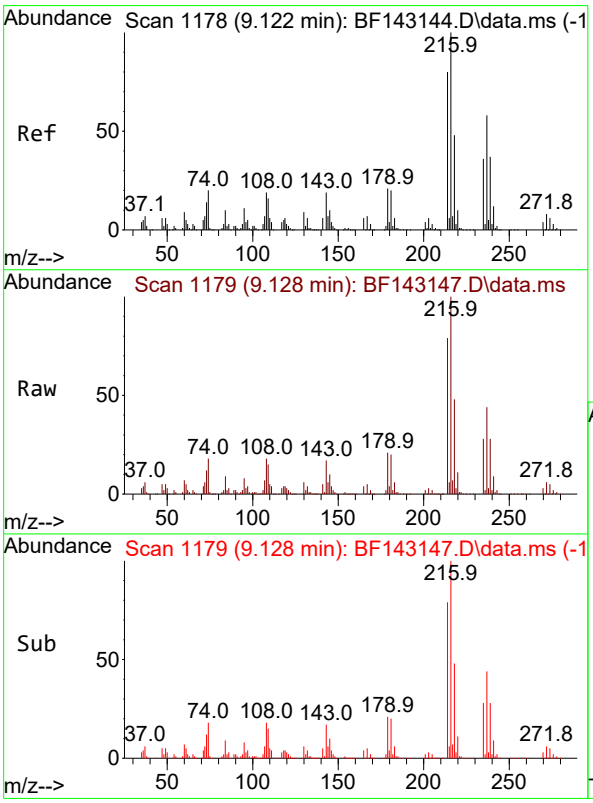
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.0	118.6
160	44.5	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

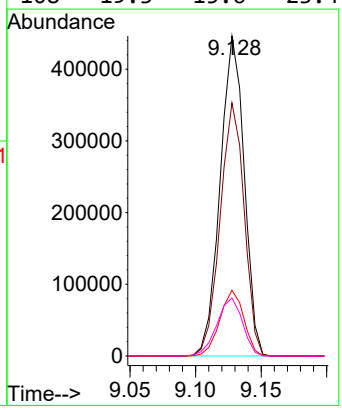
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

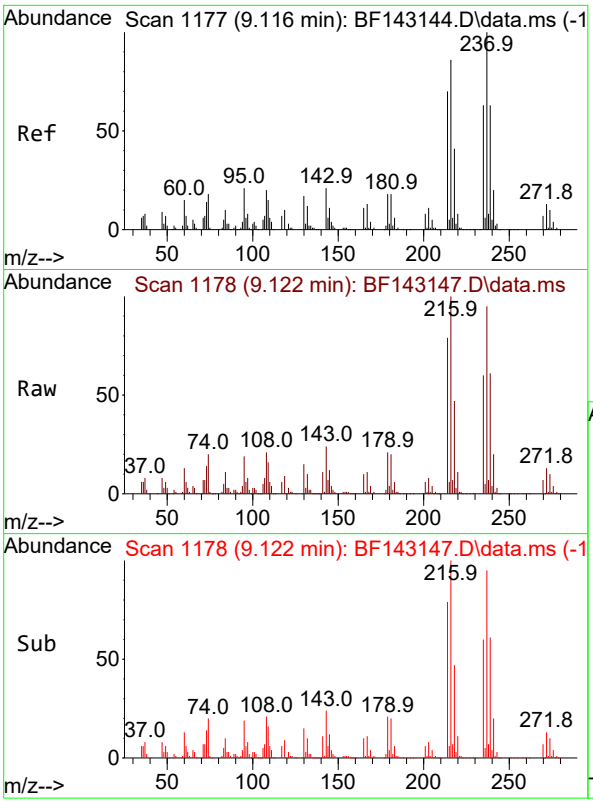


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.389 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:216 Resp: 568070

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.8	95.8
179	20.4	16.4	24.6
108	19.3	15.6	23.4

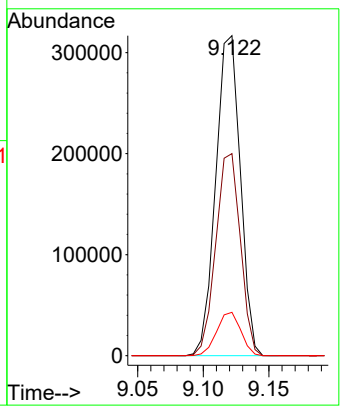




#41
Hexachlorocyclopentadiene
Concen: 79.719 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:237 Resp: 41275

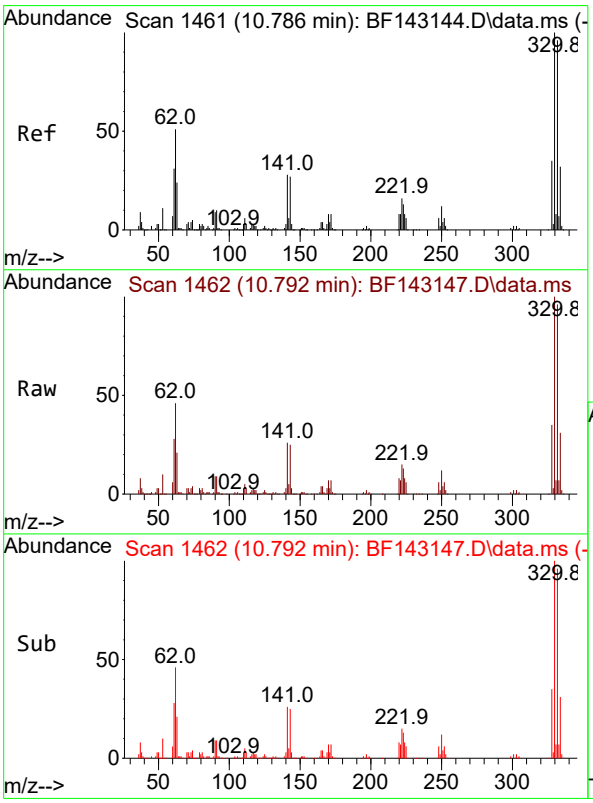
Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.6	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

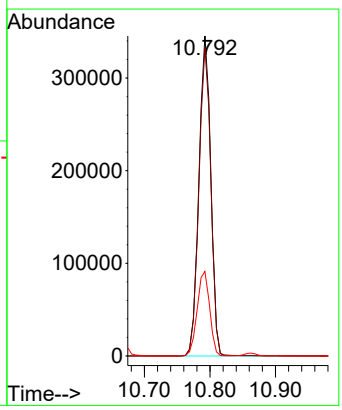
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

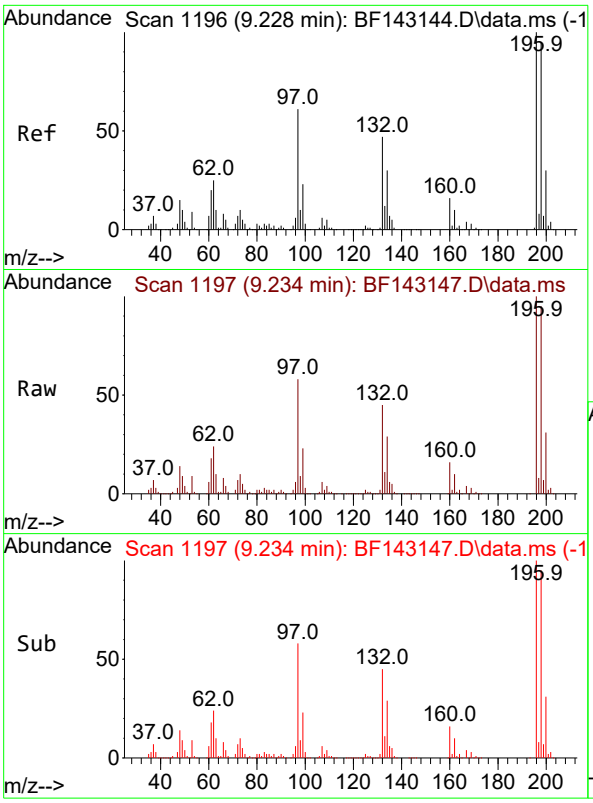


#42
2,4,6-Tribromophenol
Concen: 153.498 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:330 Resp: 437054

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	27.7	23.3	34.9

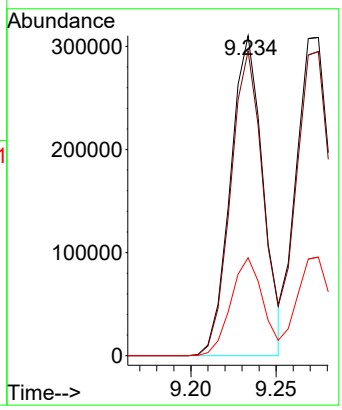




#43
2,4,6-Trichlorophenol
Concen: 74.838 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:196 Resp: 41214

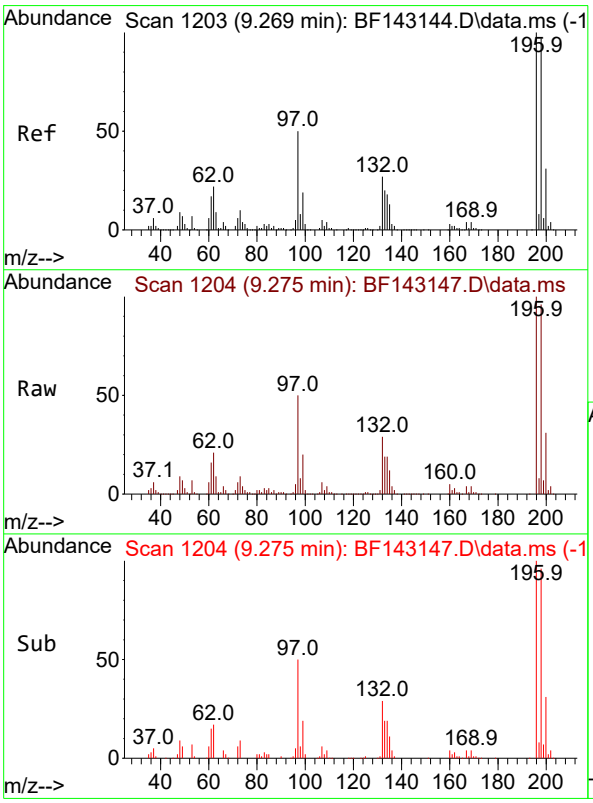
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.6	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

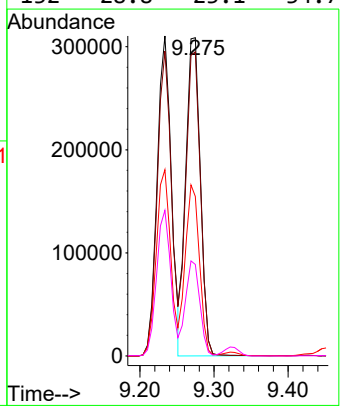
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

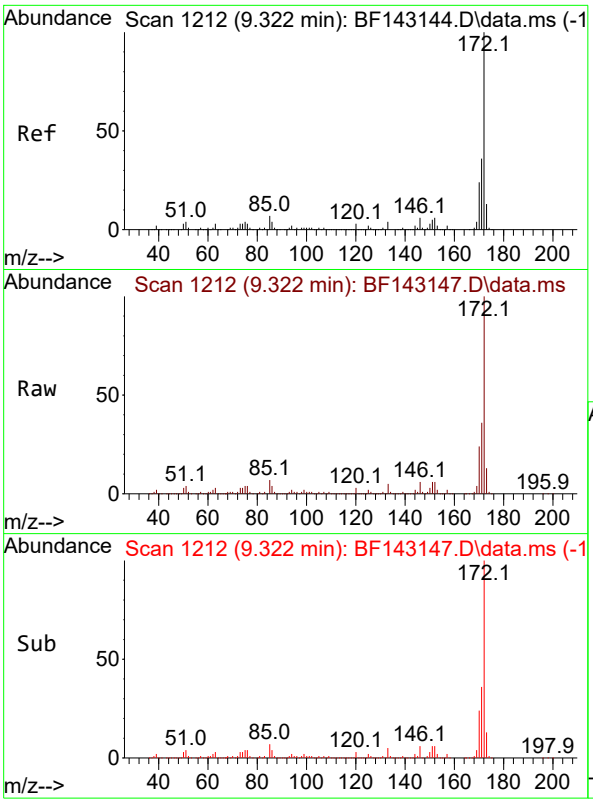


#44
2,4,5-Trichlorophenol
Concen: 76.888 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:196 Resp: 423565

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.3	115.9
97	50.1	40.3	60.5
132	28.8	23.1	34.7

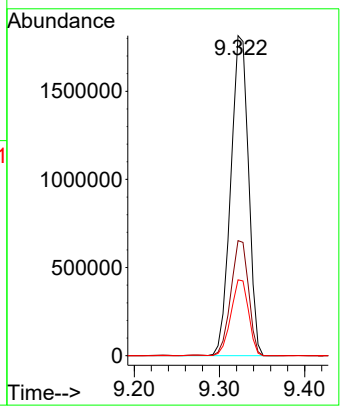




#45
2-Fluorobiphenyl
Concen: 130.157 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:172 Resp: 262307

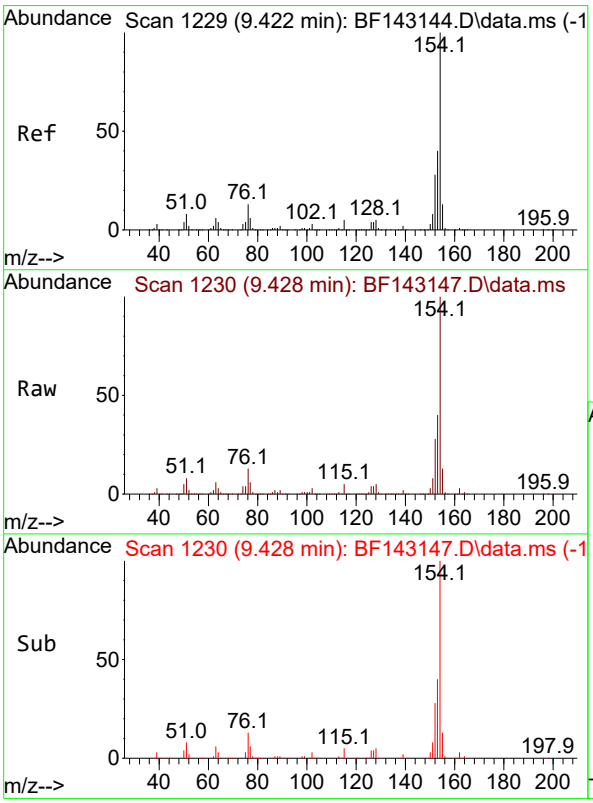
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	23.7	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

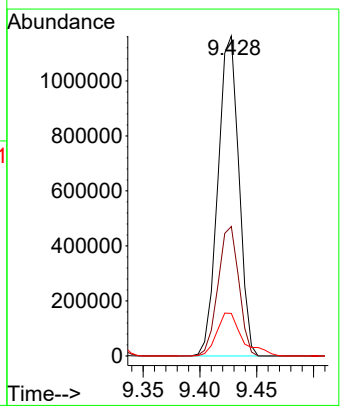
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

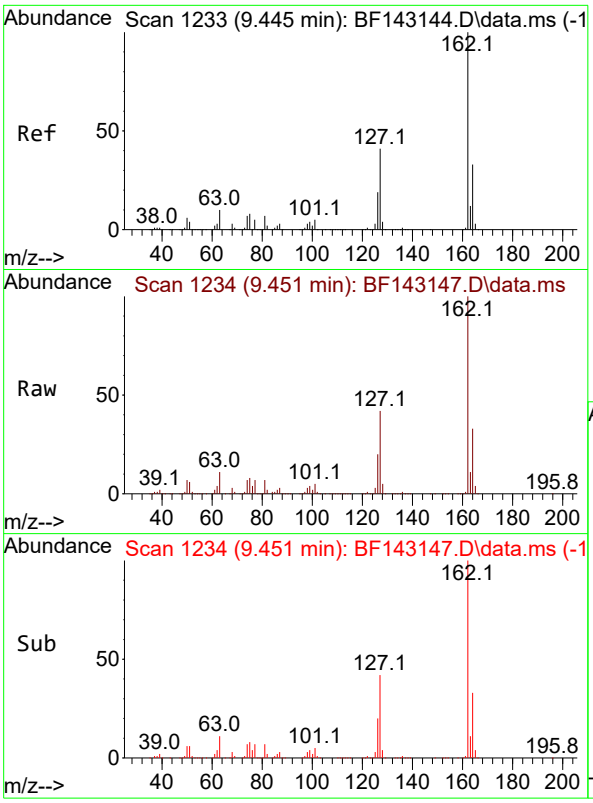


#46
1,1'-Biphenyl
Concen: 69.388 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:154 Resp: 1492094

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.3	0.0	33.3

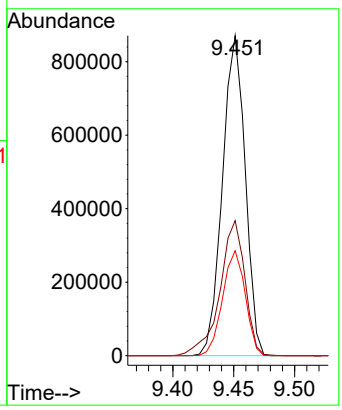




#47
2-Chloronaphthalene
Concen: 71.122 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:162 Resp: 113162

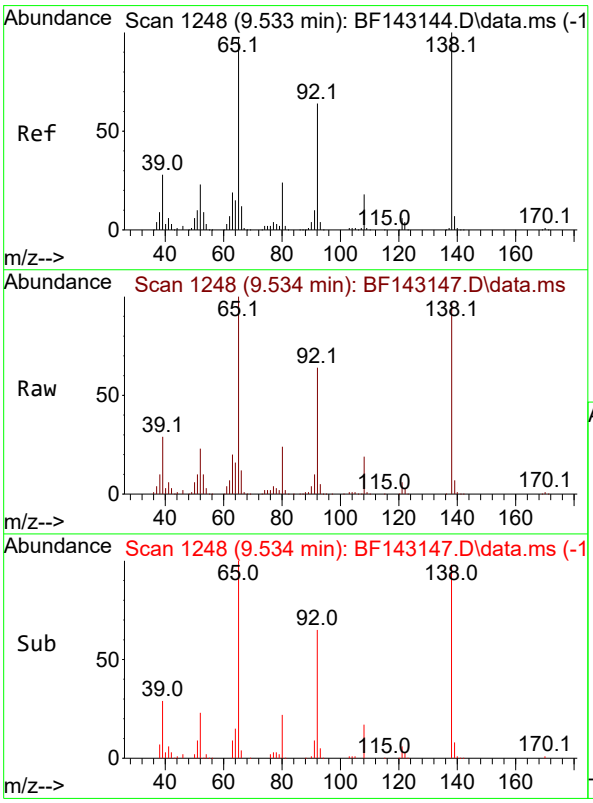
Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.4	50.2
164	32.8	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

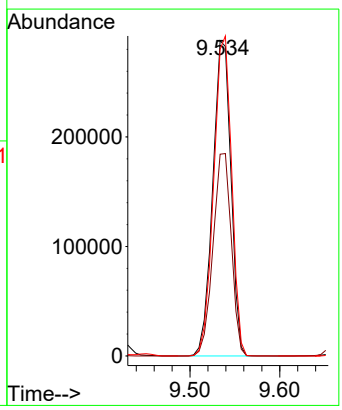
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

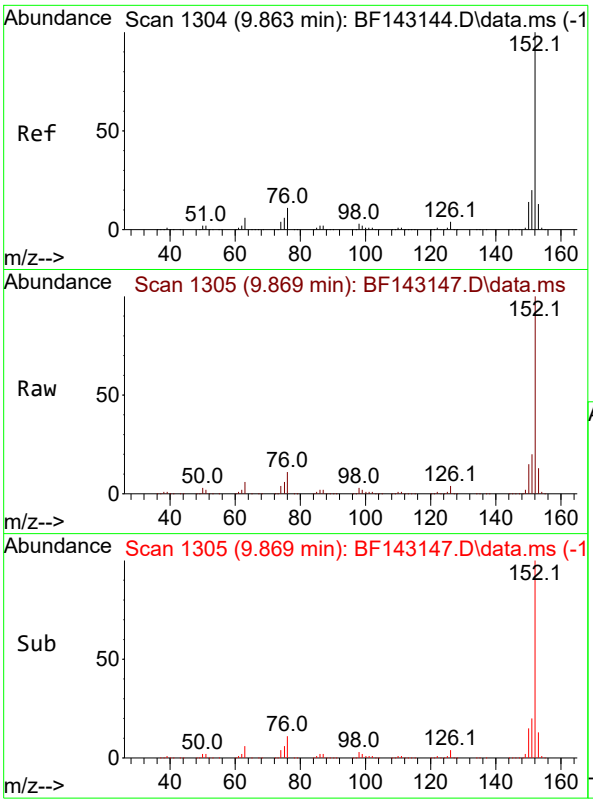


#48
2-Nitroaniline
Concen: 80.971 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 65 Resp: 404023

Ion	Ratio	Lower	Upper
65	100		
92	64.0	52.4	78.6
138	97.3	82.3	123.5

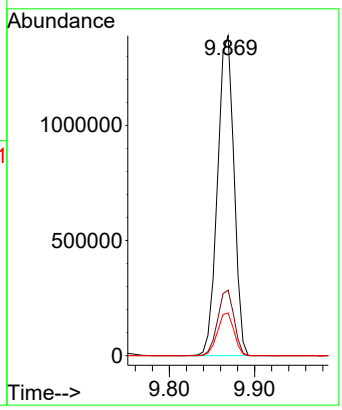




#49
Acenaphthylene
Concen: 70.057 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:152 Resp: 186806

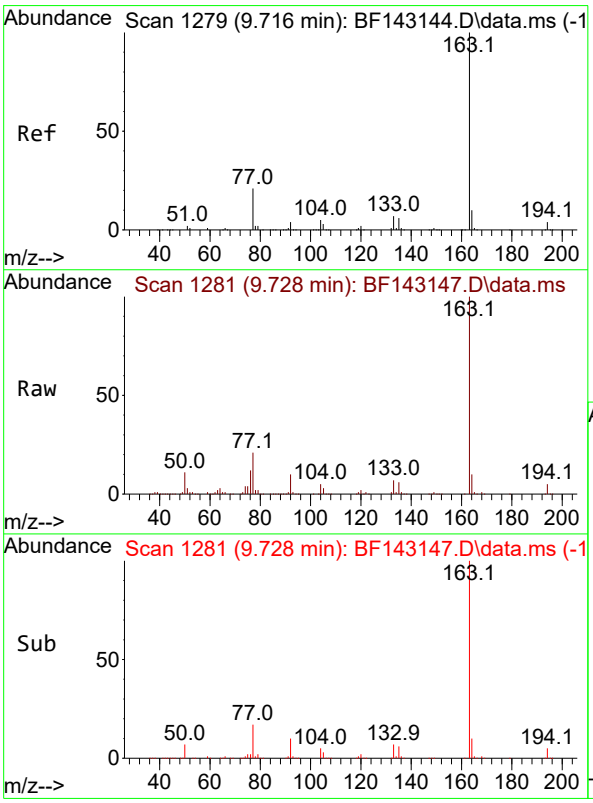
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

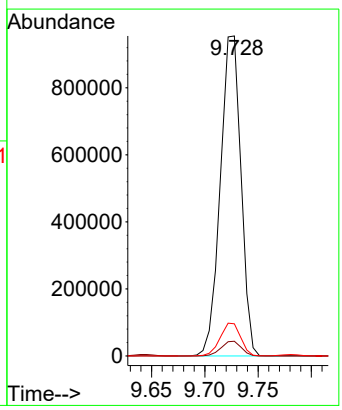
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

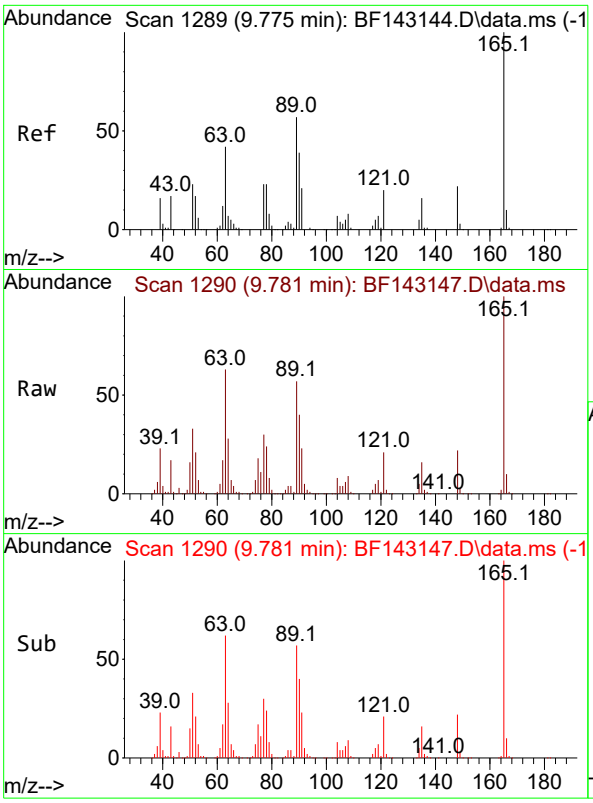


#50
Dimethylphthalate
Concen: 71.723 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:163 Resp: 1288559

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.0	8.3	12.5

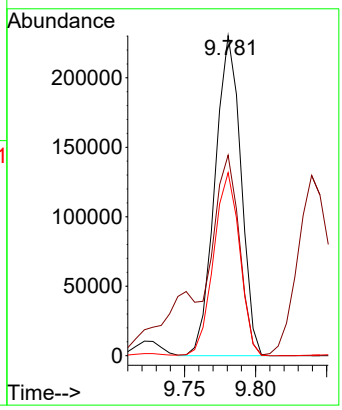




#51
2,6-Dinitrotoluene
Concen: 80.093 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:165 Resp: 29271

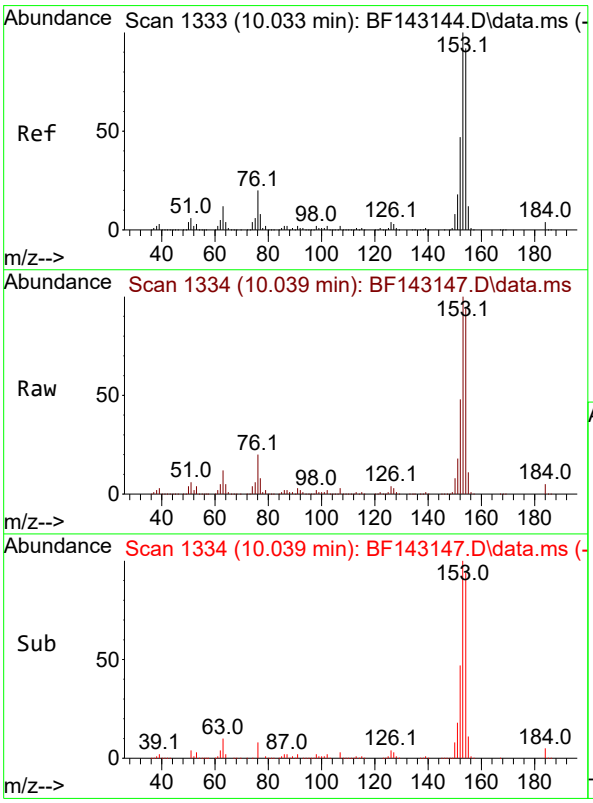
Ion	Ratio	Lower	Upper
165	100		
63	62.6	49.4	74.2
89	57.2	46.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

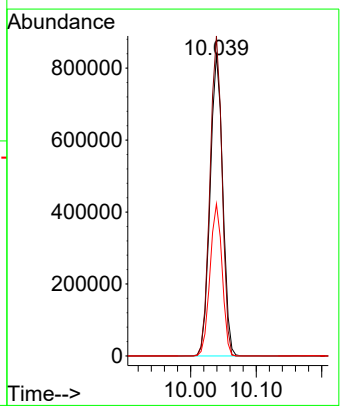
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

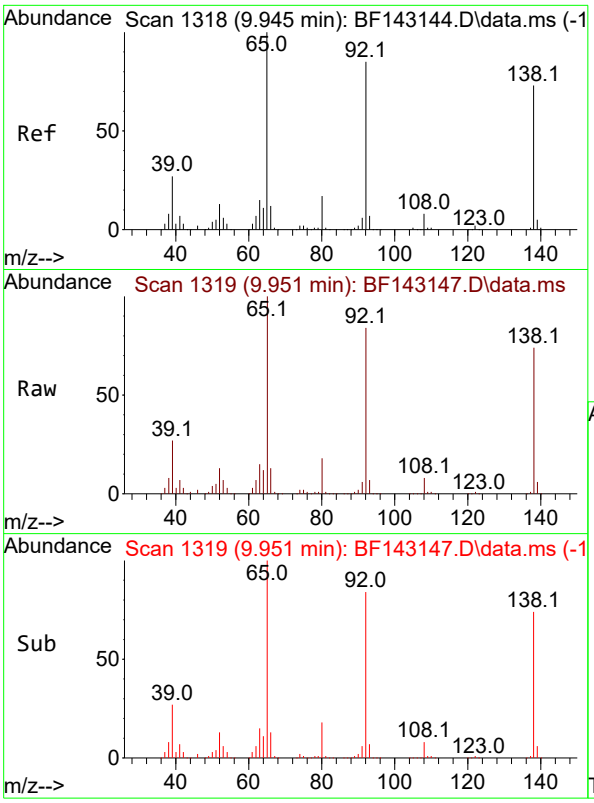


#52
Acenaphthene
Concen: 71.086 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:154 Resp: 1120315

Ion	Ratio	Lower	Upper
154	100		
153	106.1	86.6	129.8
152	50.4	40.4	60.6

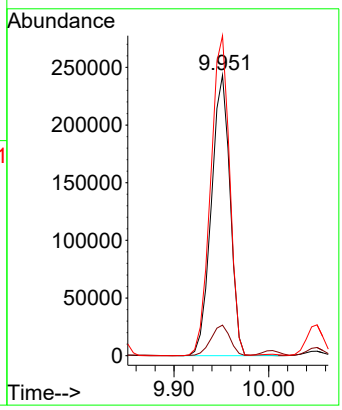




#53
3-Nitroaniline
Concen: 78.128 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:138 Resp: 33398

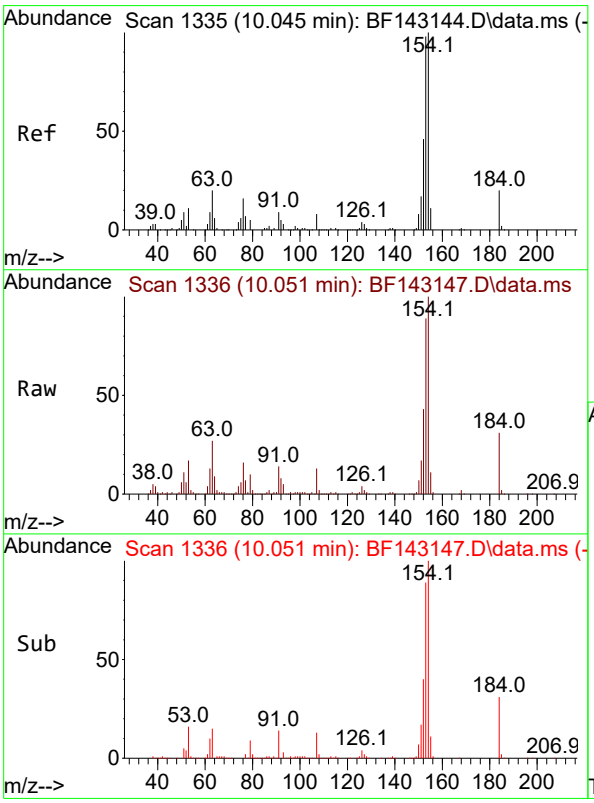
Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.6
92	114.1	93.0	139.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

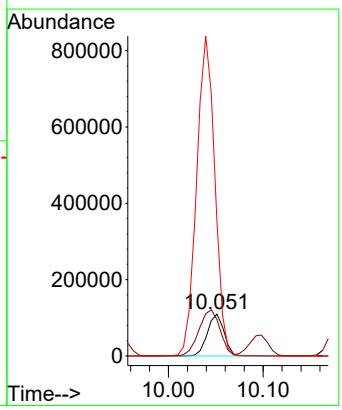
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

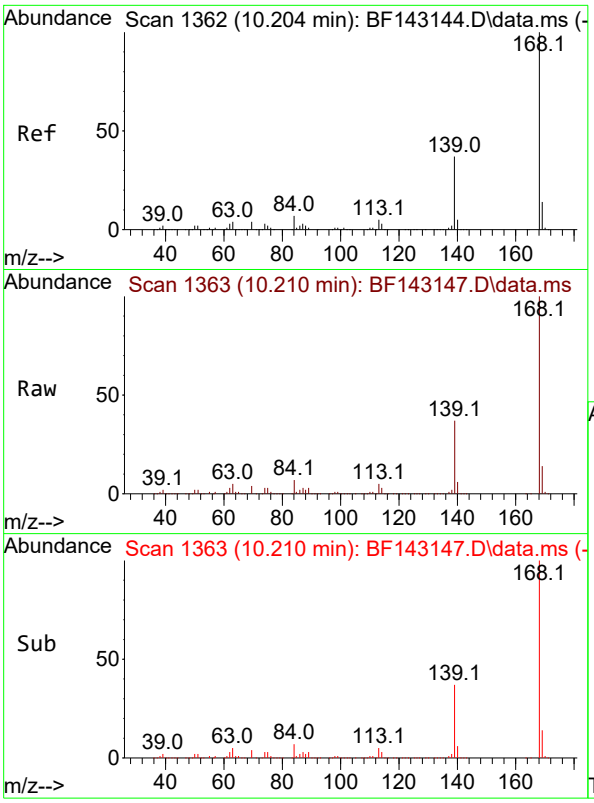


#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:184 Resp: 133446

Ion	Ratio	Lower	Upper
184	100		
63	86.6	81.8	122.6
154	321.6	412.2	618.4#

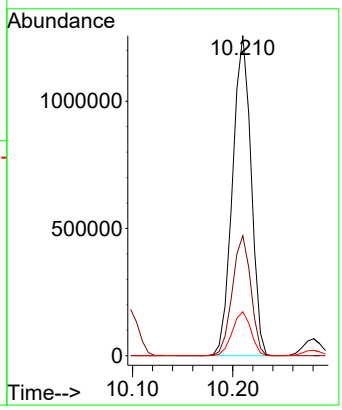




#55
Dibenzofuran
Concen: 69.038 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:168 Resp: 161539

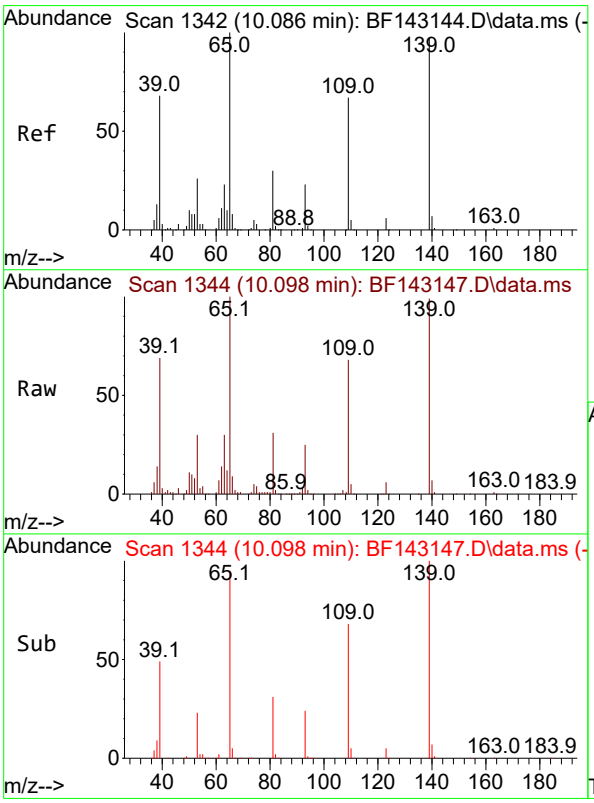
Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.5	44.3
169	13.8	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

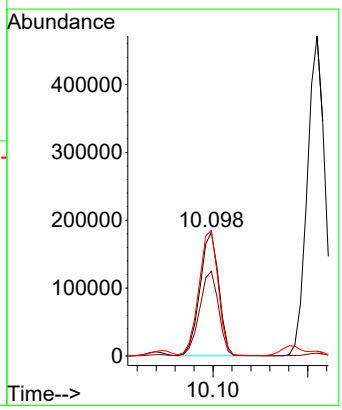
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

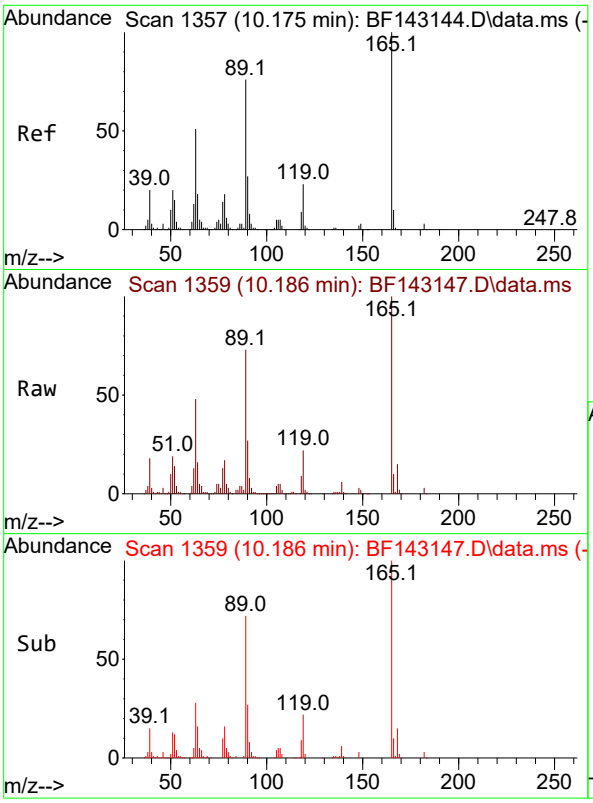


#56
4-Nitrophenol
Concen: 79.161 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 252698

Ion	Ratio	Lower	Upper
139	100		
109	68.4	48.5	88.5
65	101.3	83.4	123.4

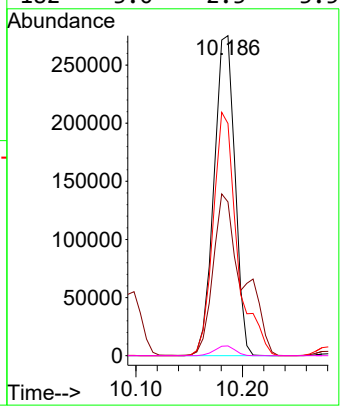




#57
2,4-Dinitrotoluene
Concen: 82.029 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:165 Resp: 37612

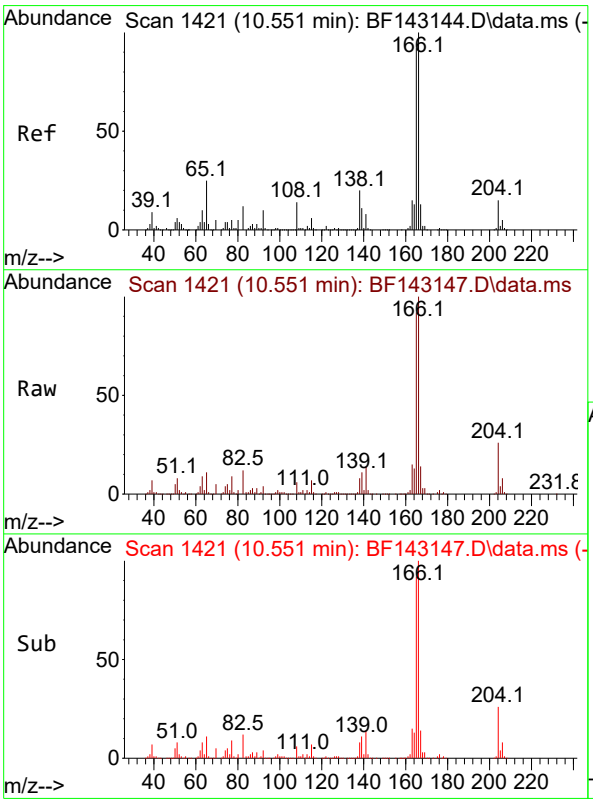
Ion	Ratio	Lower	Upper
165	100		
63	48.1	41.0	61.4
89	72.5	61.1	91.7
182	3.0	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

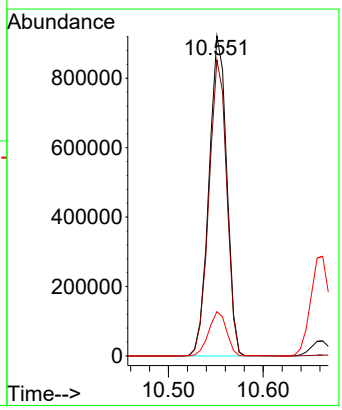
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

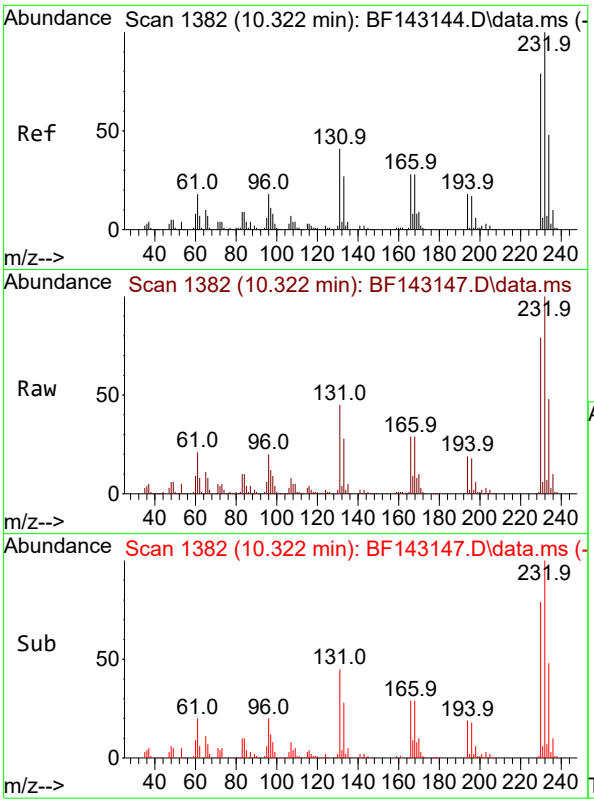


#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:166 Resp: 1197731

Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.7	110.5
167	13.8	10.6	16.0

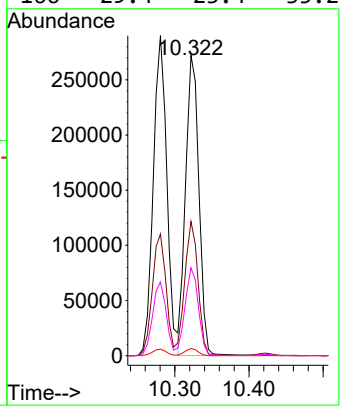




#59
2,3,4,6-Tetrachlorophenol
Concen: 74.533 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:232 Resp: 34011

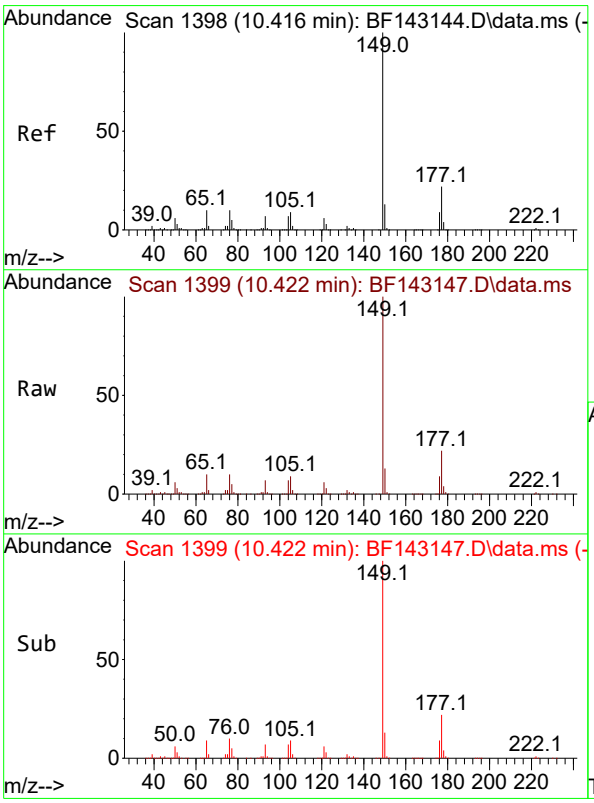
Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.3	52.9
130	2.4	1.7	2.5
166	29.4	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

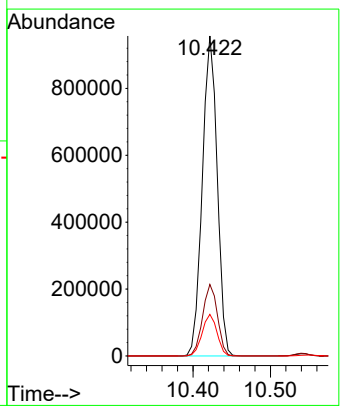
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

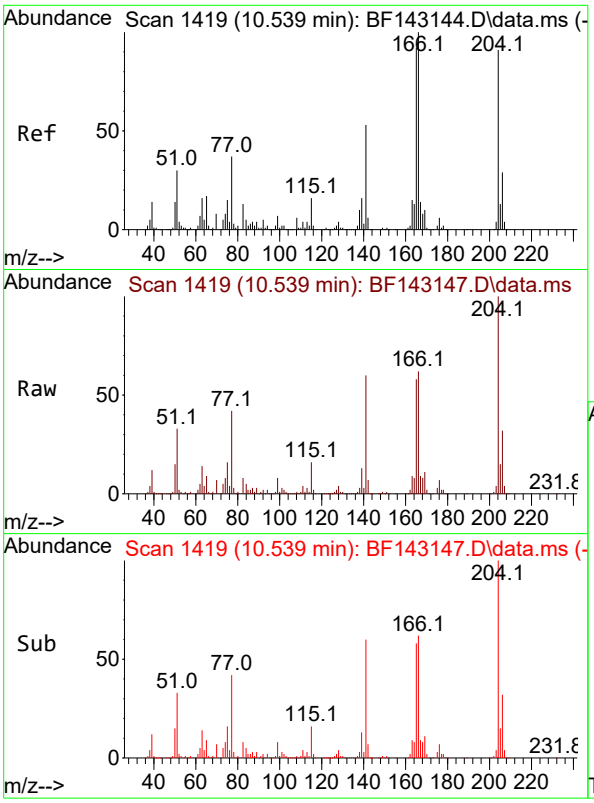


#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1276217

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.5	26.3
150	13.0	10.2	15.2

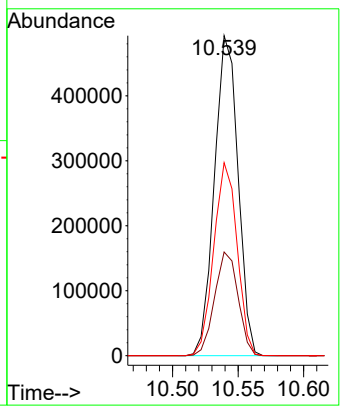




#61
4-Chlorophenyl-phenylether
Concen: 70.326 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:204 Resp: 61496

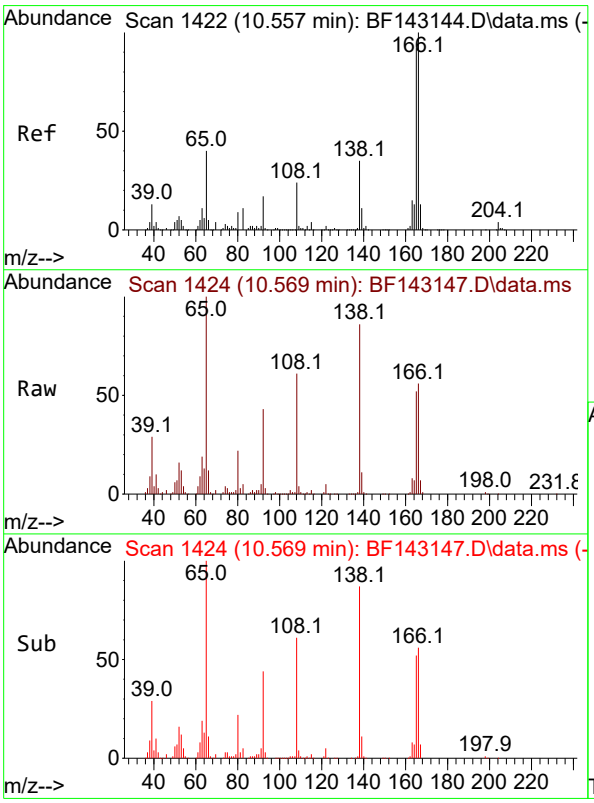
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	60.3	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

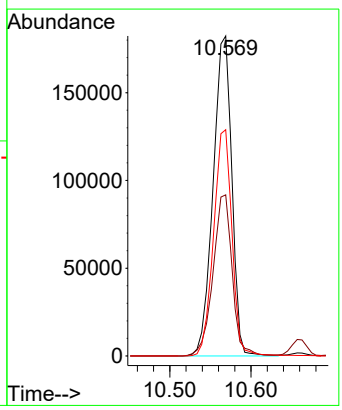
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

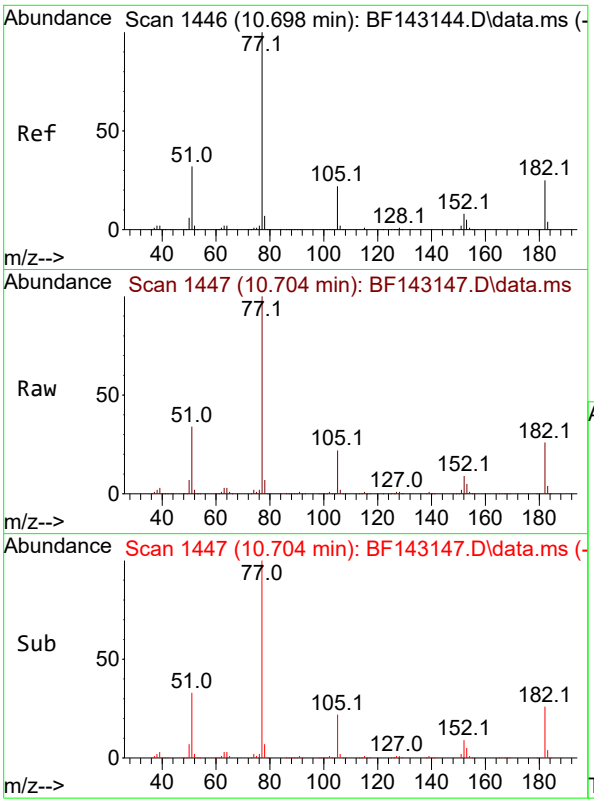


#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:138 Resp: 291926

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.3	69.3
108	70.7	48.3	88.3

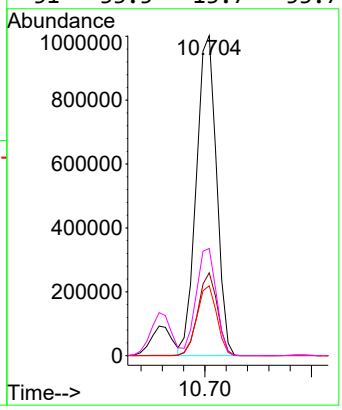




#63
Azobenzene
Concen: 71.255 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 77 Resp: 131872

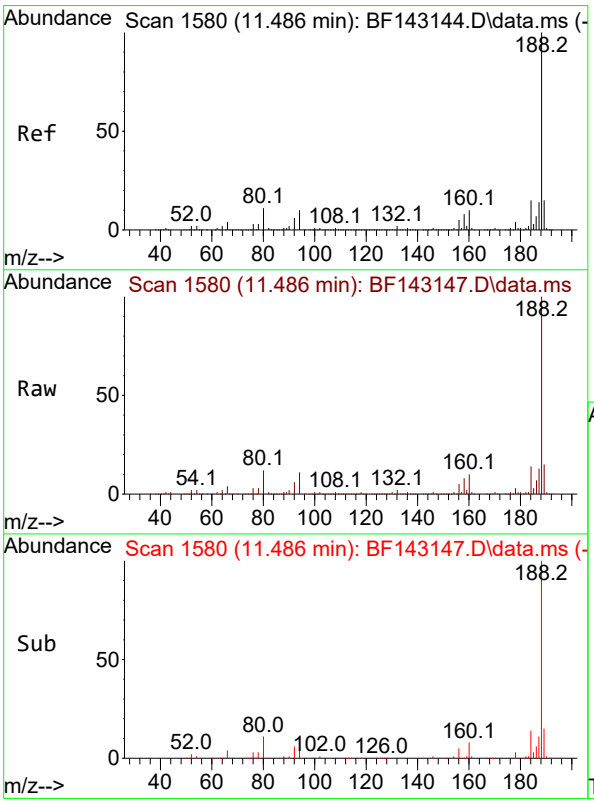
Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.6	44.6
105	21.9	1.4	41.4
51	33.5	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

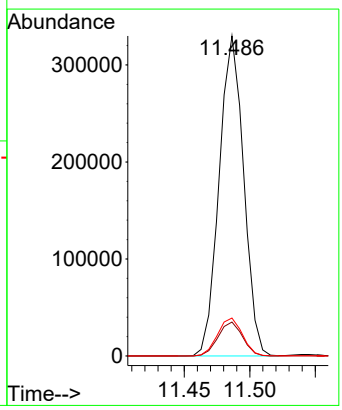
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

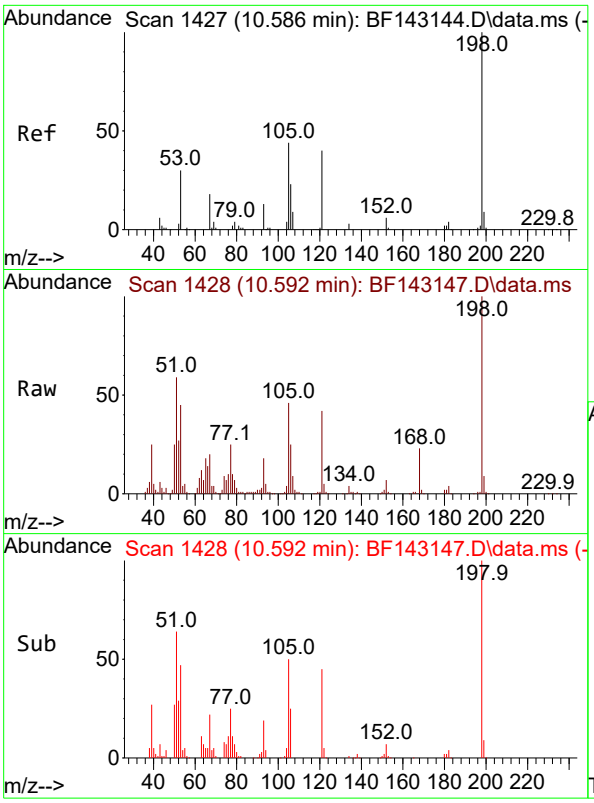


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:188 Resp: 429046

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.3	12.5
80	11.8	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 78.948 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

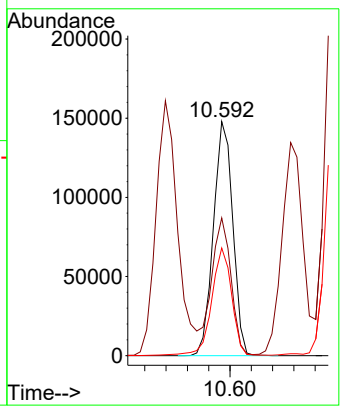
Tgt Ion:198 Resp: 18641

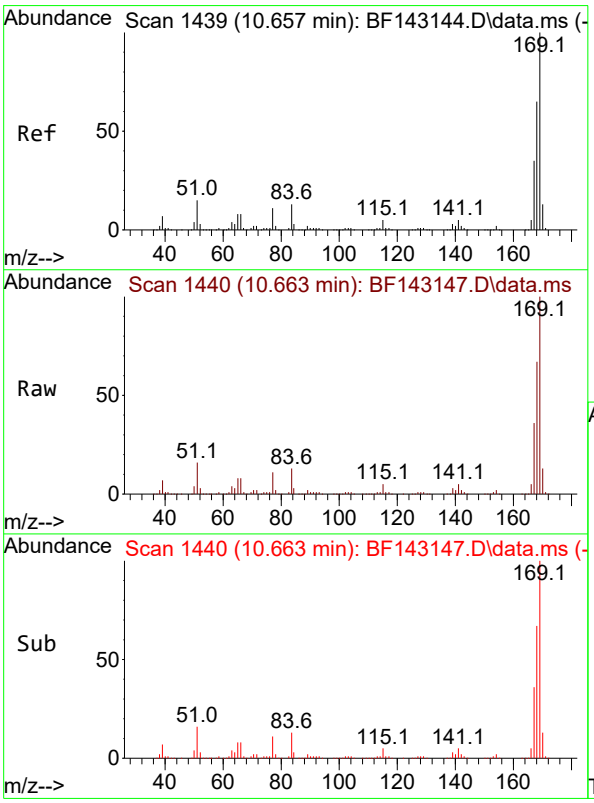
Ion	Ratio	Lower	Upper
198	100		
51	58.9	37.2	77.2
105	46.0	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

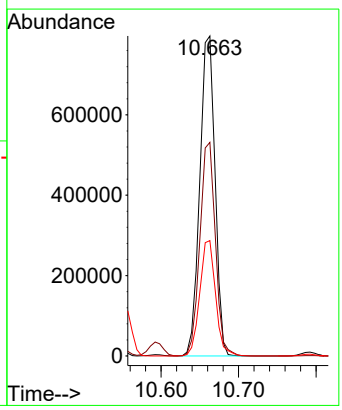


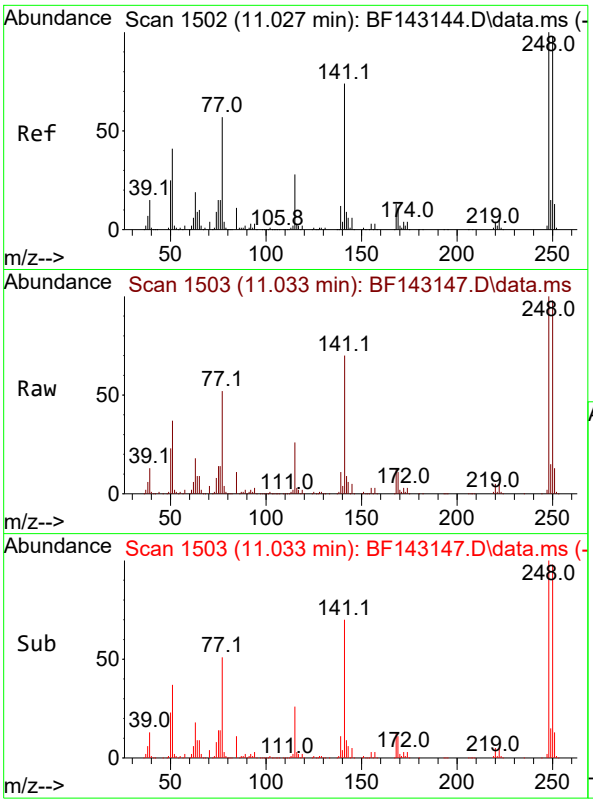


#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:169 Resp: 1087990

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.1	78.1
167	36.1	28.2	42.2

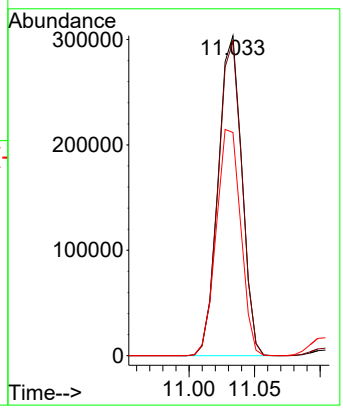




#67
4-Bromophenyl-phenylether
Concen: 74.734 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:248 Resp: 38212

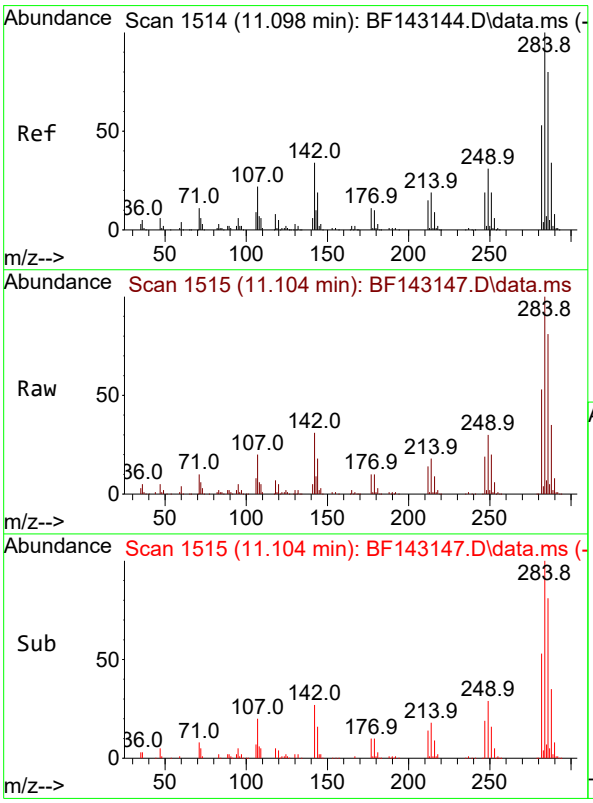
Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.3	117.5
141	69.8	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

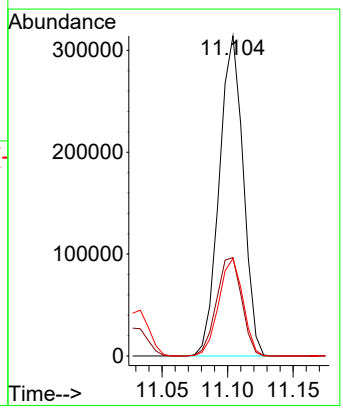
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

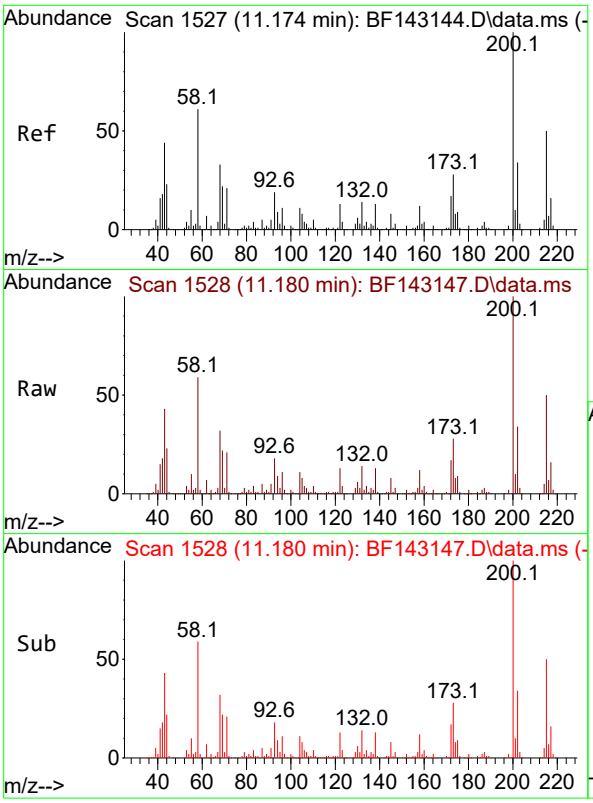


#68
Hexachlorobenzene
Concen: 74.680 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:284 Resp: 399107

Ion	Ratio	Lower	Upper
284	100		
142	30.7	27.0	40.6
249	30.5	25.0	37.6

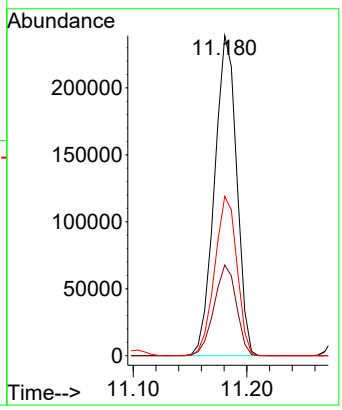




#69
Atrazine
Concen: 77.819 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:200 Resp: 32412

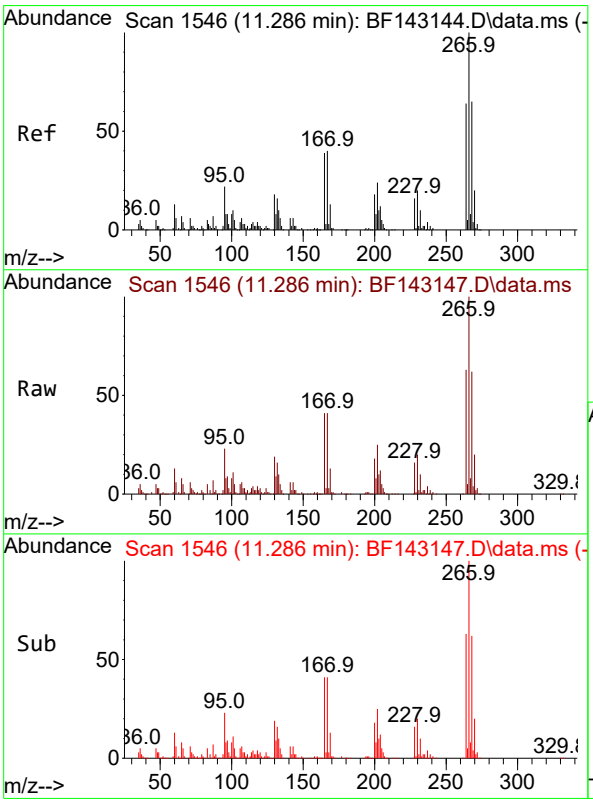
Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.8	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

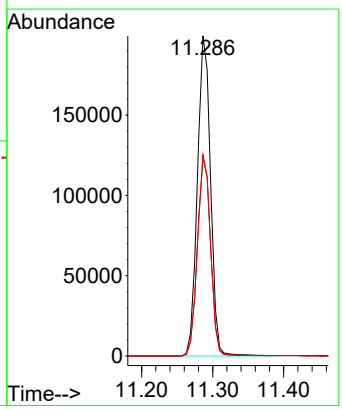
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

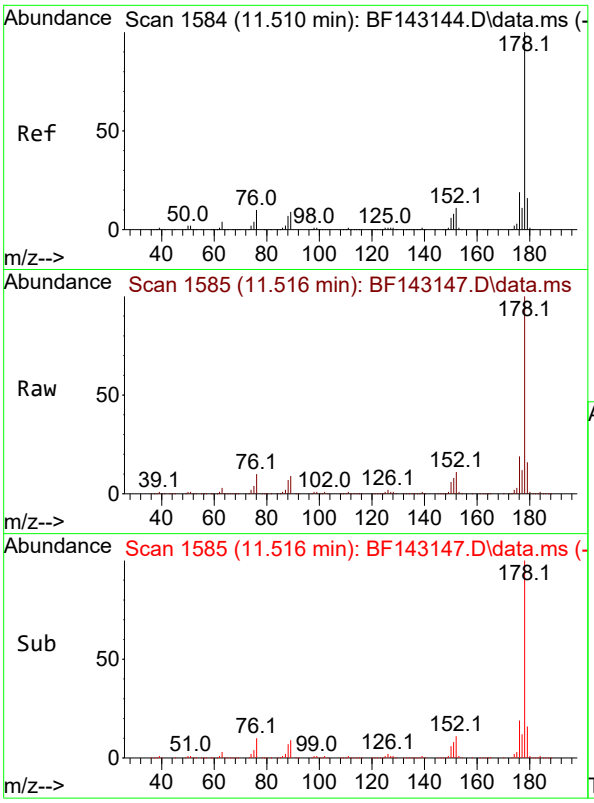


#70
Pentachlorophenol
Concen: 81.829 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:266 Resp: 257176

Ion	Ratio	Lower	Upper
266	100		
268	62.2	51.9	77.9
264	62.9	51.0	76.6

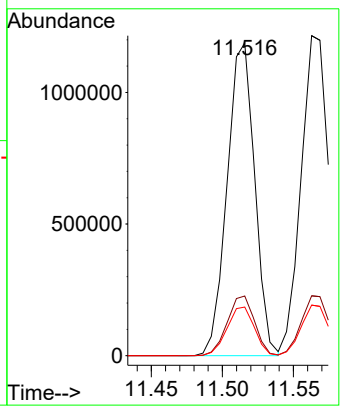




#71
Phenanthrene
Concen: 70.331 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:178 Resp: 160220

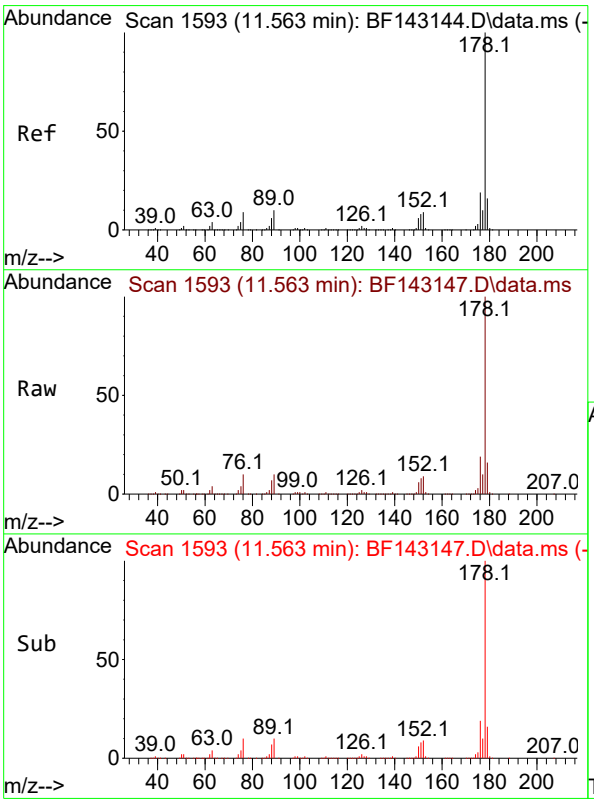
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

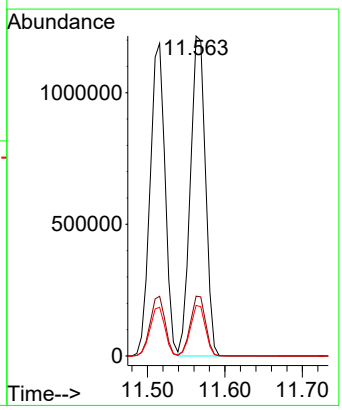
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

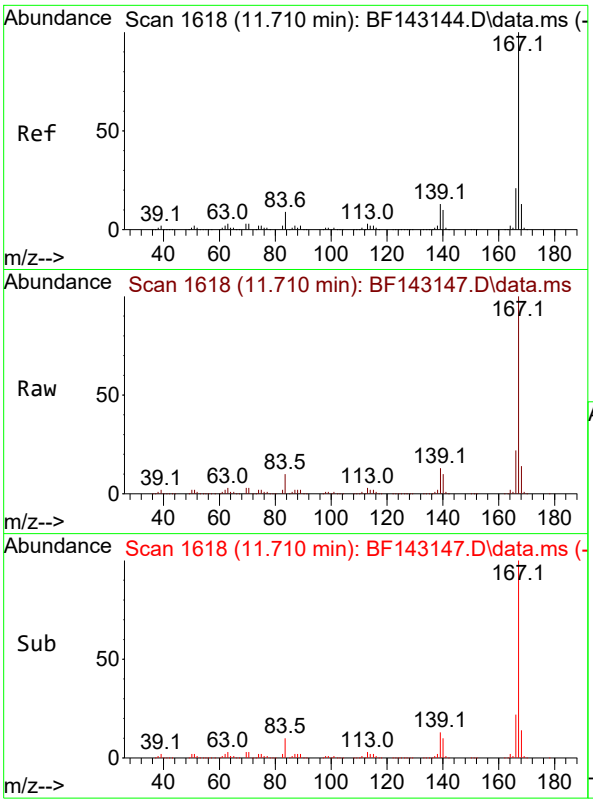


#72
Anthracene
Concen: 70.640 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:178 Resp: 1641264

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.8	12.5	18.7

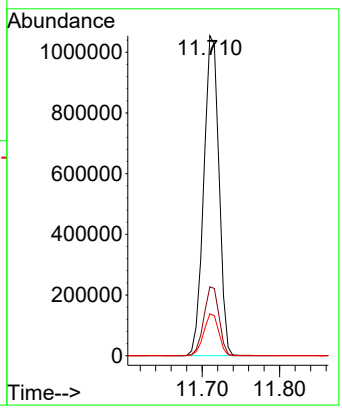




#73
Carbazole
Concen: 70.754 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:167 Resp: 143544

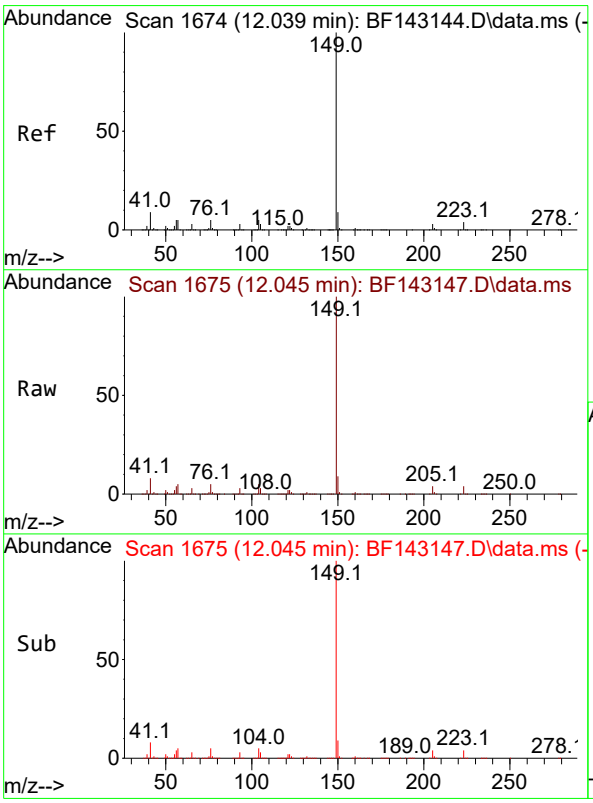
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.1	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

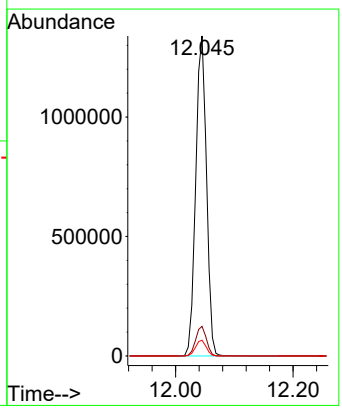
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

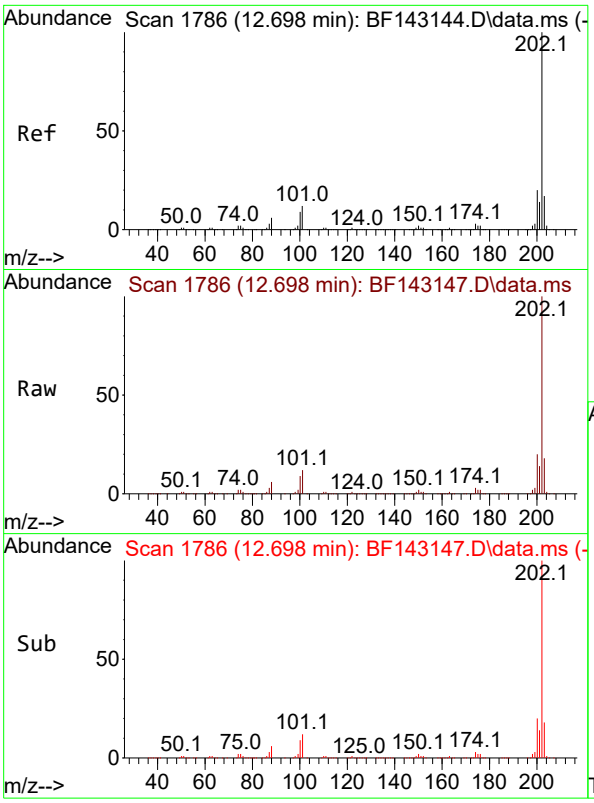


#74
Di-n-butylphthalate
Concen: 74.034 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1699503

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.8	5.8





#75
Fluoranthene
Concen: 71.645 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

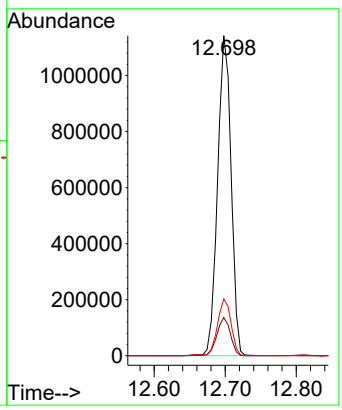
Tgt Ion:202 Resp: 149810

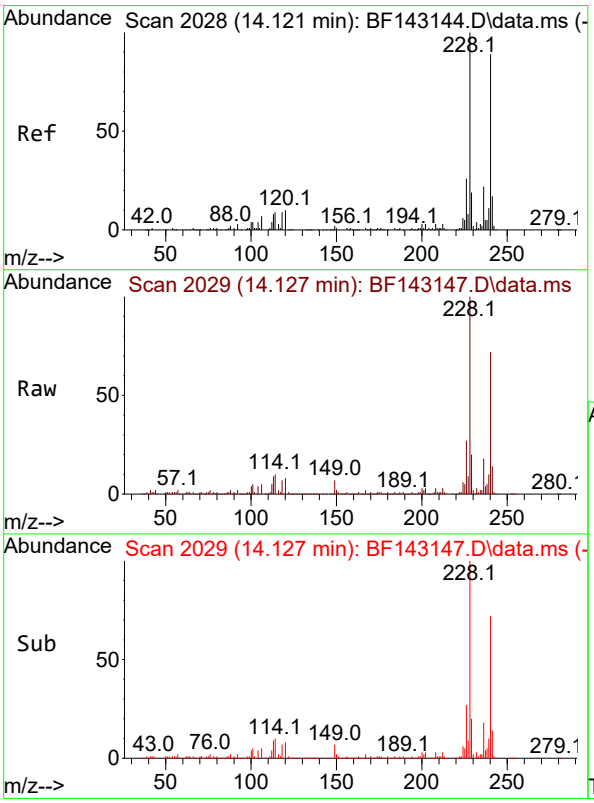
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.7
203	17.8	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

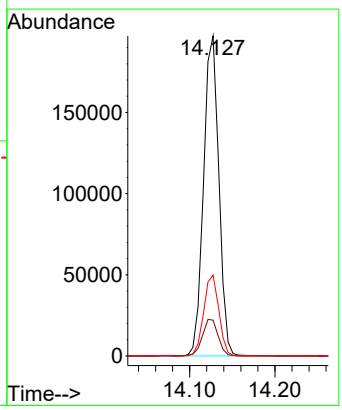


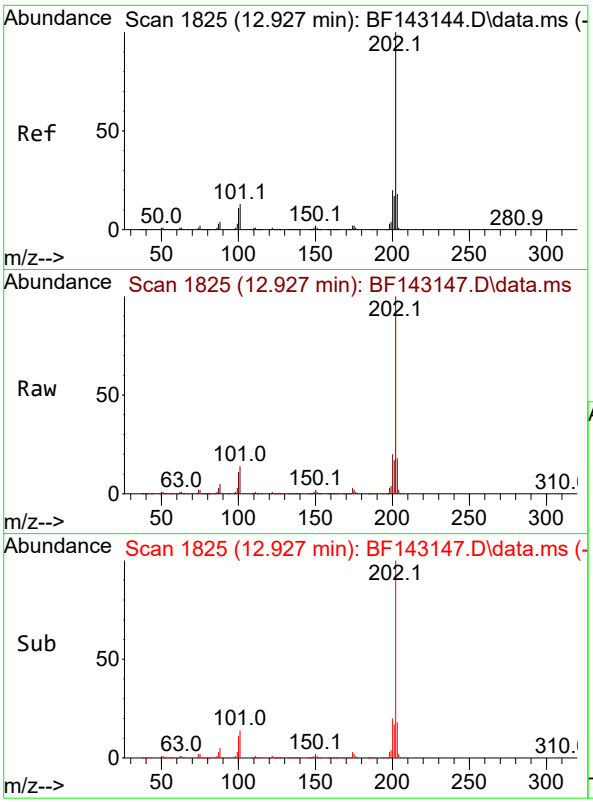


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:240 Resp: 245351

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.4	14.2
236	25.2	20.2	30.4

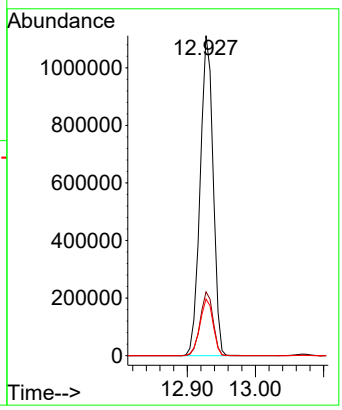




#78
Pyrene
Concen: 70.021 ng
RT: 12.927 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:202 Resp: 146620

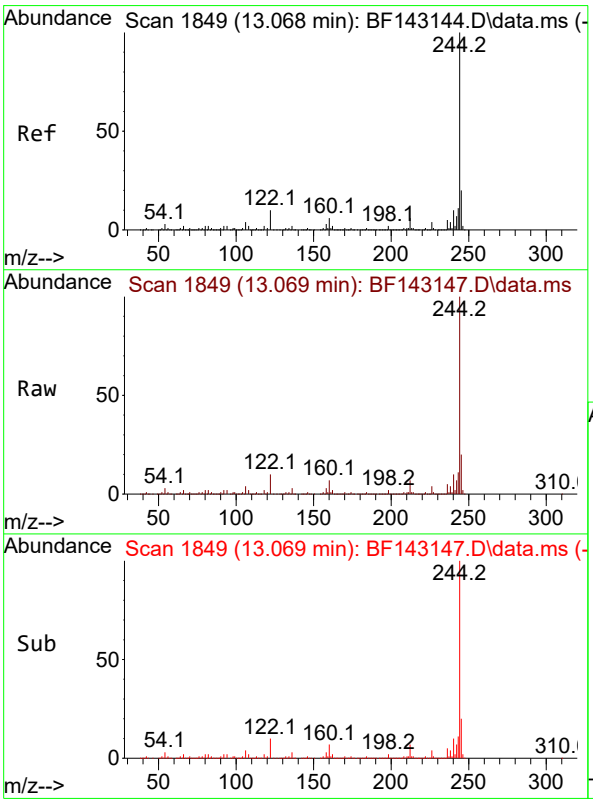
Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	17.7	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

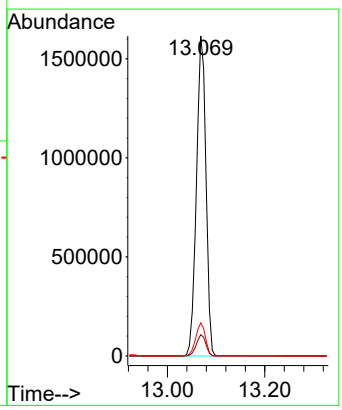
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

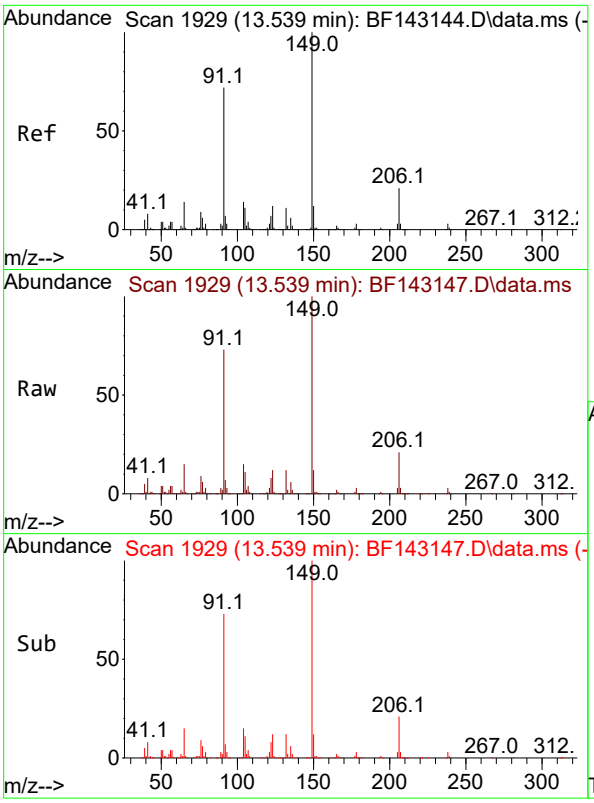


#79
Terphenyl-d14
Concen: 133.606 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:244 Resp: 2202828

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.4	8.2	12.2

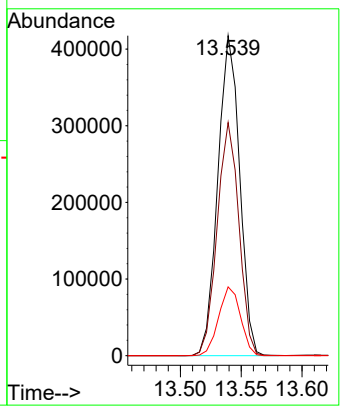




#80
Butylbenzylphthalate
Concen: 81.353 ng
RT: 13.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 52163

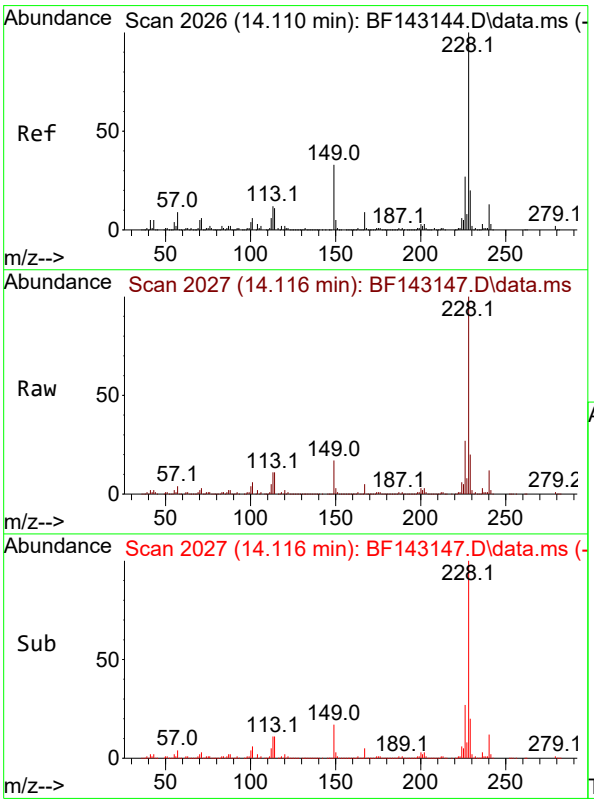
Ion	Ratio	Lower	Upper
149	100		
91	72.9	57.9	86.9
206	21.5	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

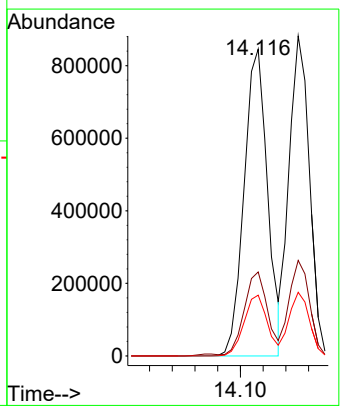
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

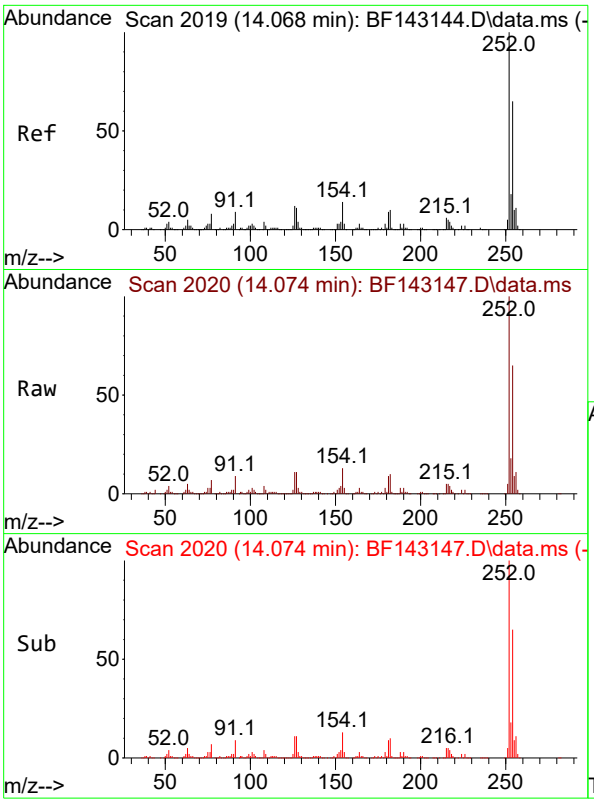


#81
Benzo(a)anthracene
Concen: 73.788 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:228 Resp: 1212056

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	19.8	15.8	23.6

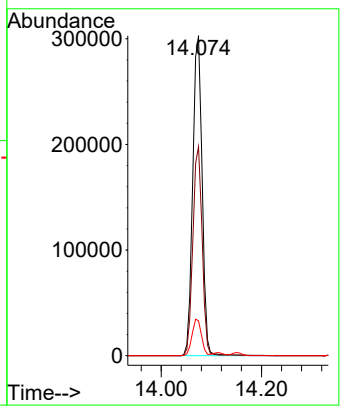




#82
3,3'-Dichlorobenzidine
Concen: 71.867 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 39344

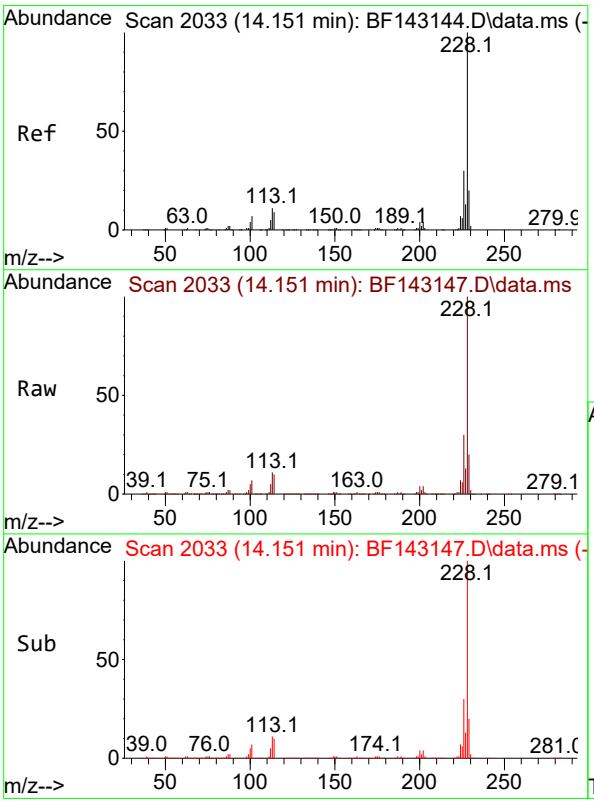
Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	10.9	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

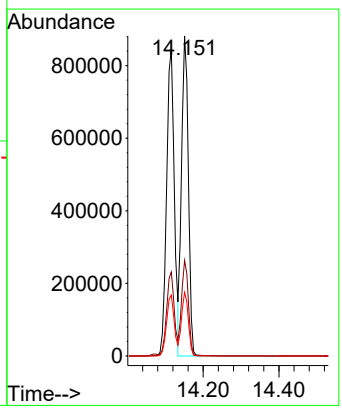
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

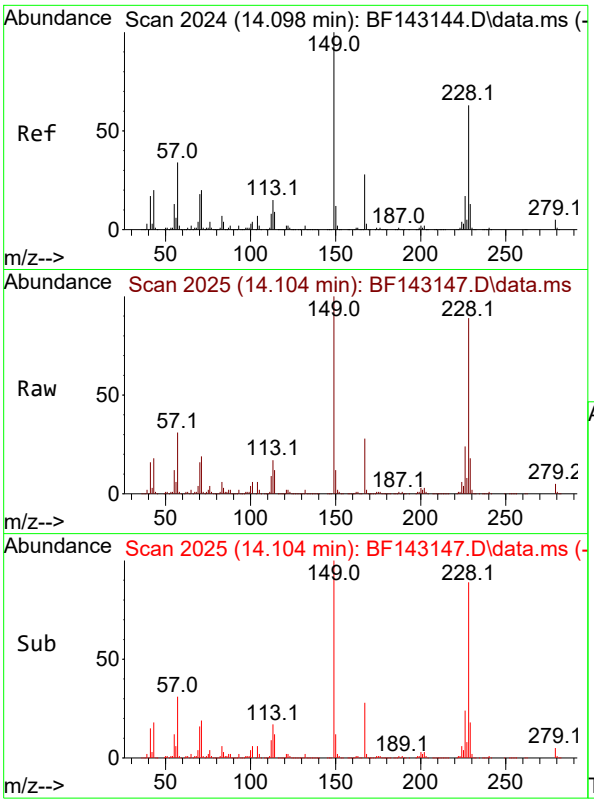


#83
Chrysene
Concen: 74.863 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:228 Resp: 1105636

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.9	15.6	23.4

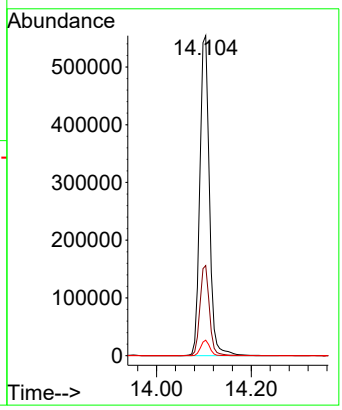




#84
Bis(2-ethylhexyl)phthalate
Concen: 79.790 ng
RT: 14.104 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 77436

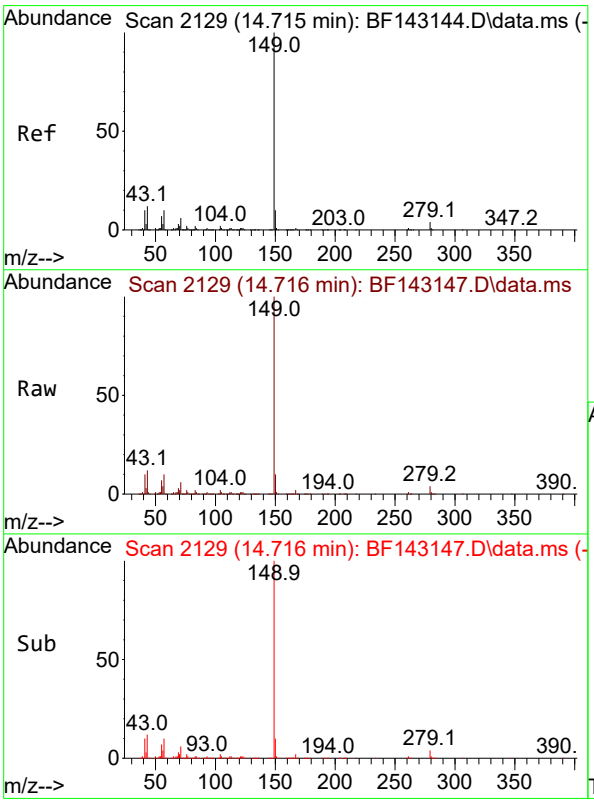
Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.9	3.6	5.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

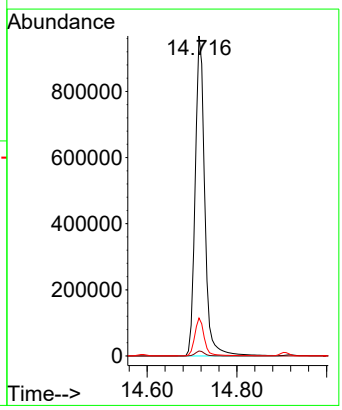
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

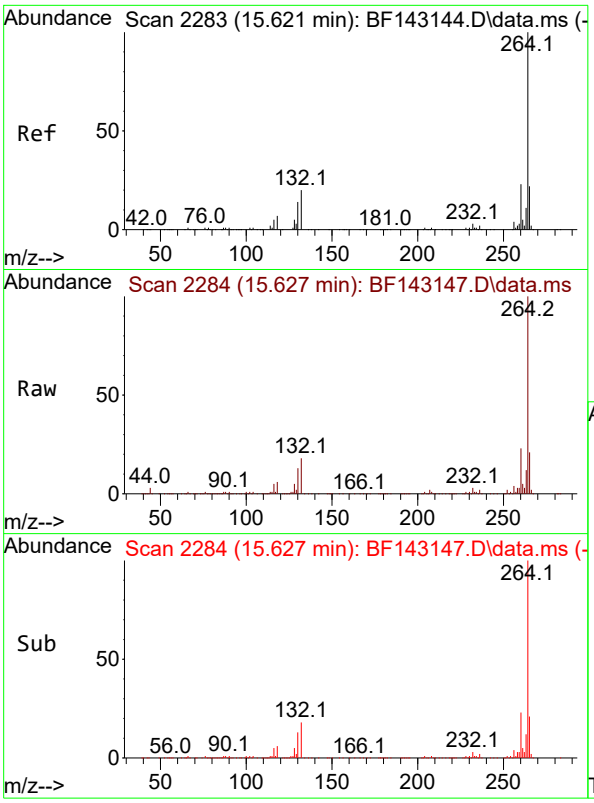


#85
Di-n-octyl phthalate
Concen: 81.519 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1434055

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.9	9.7	14.5

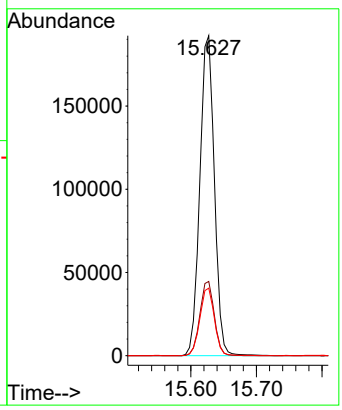




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:264 Resp: 29668

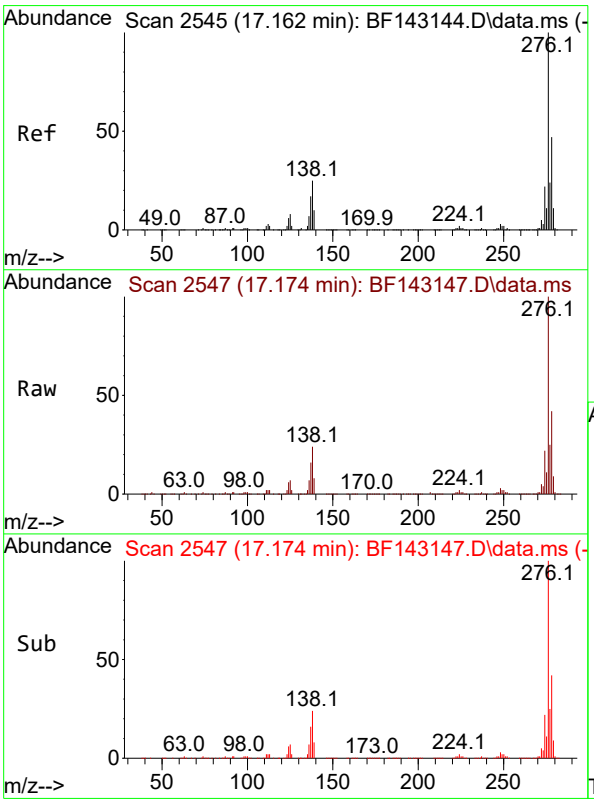
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.1	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

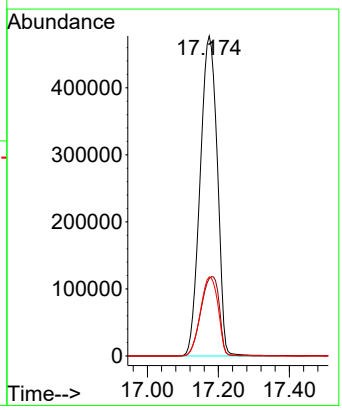
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

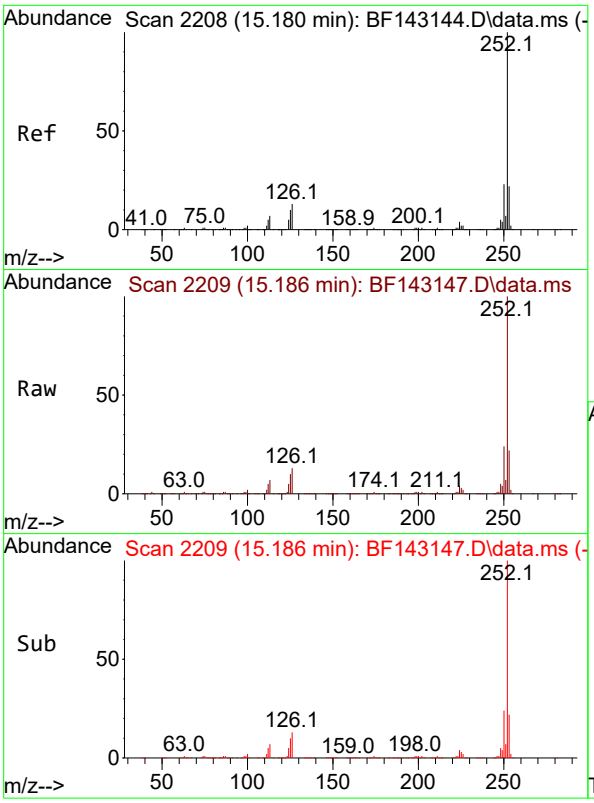


#87
Indeno(1,2,3-cd)pyrene
Concen: 76.718 ng
RT: 17.174 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:276 Resp: 1604969

Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.8	32.6
277	25.5	20.0	30.0

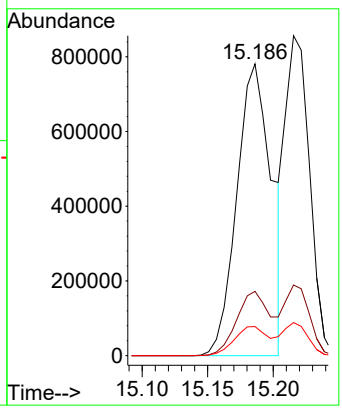




#88
Benzo(b)fluoranthene
Concen: 79.367 ng
RT: 15.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 143851

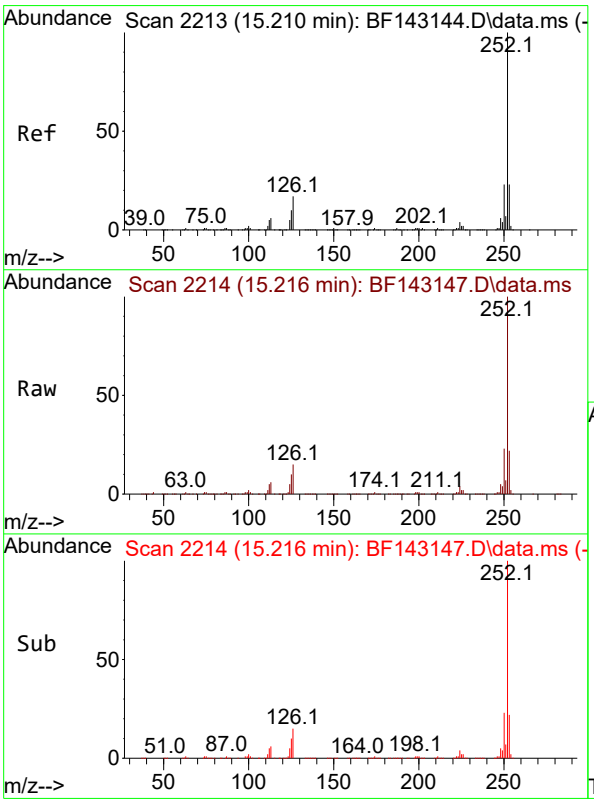
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.0	8.0	12.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

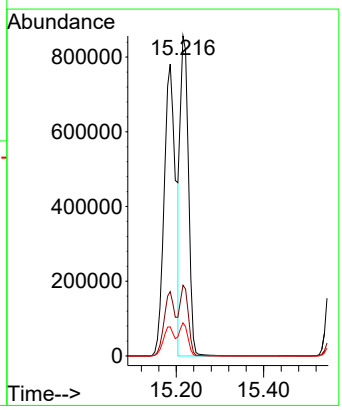
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

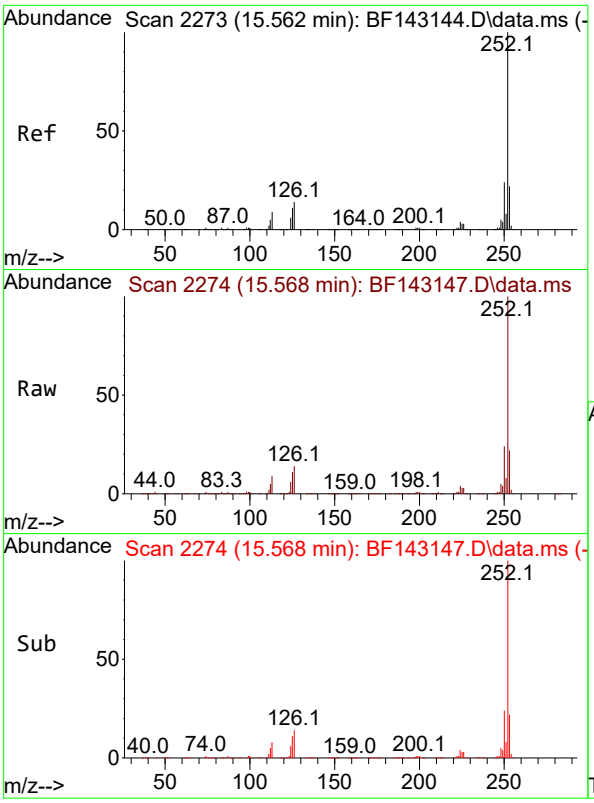


#89
Benzo(k)fluoranthene
Concen: 68.737 ng
RT: 15.216 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 1111726

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.4	8.1	12.1

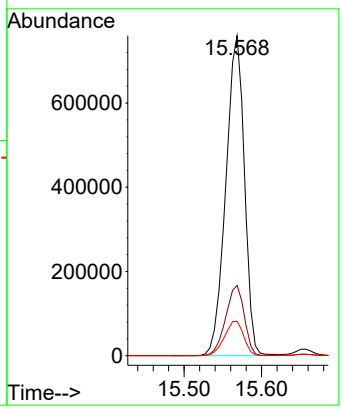




#90
Benzo(a)pyrene
Concen: 76.006 ng
RT: 15.568 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 126925

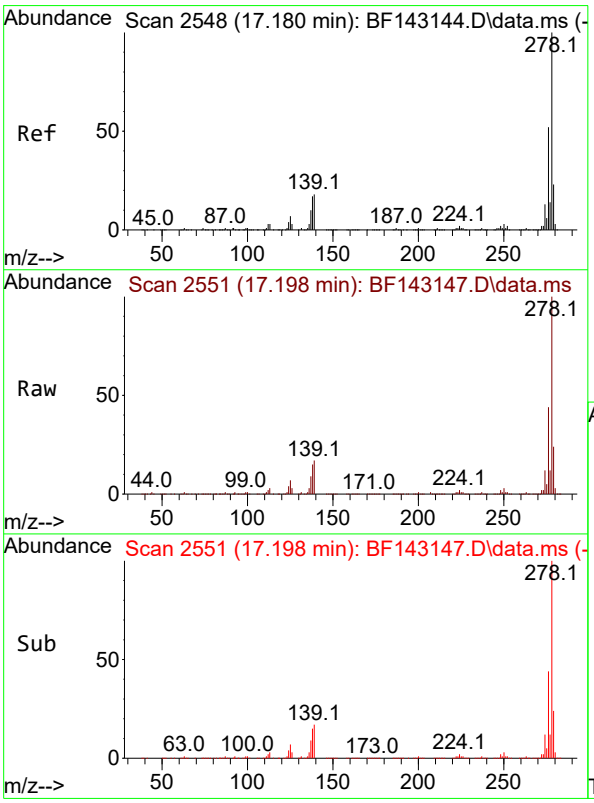
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.8	8.6	13.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

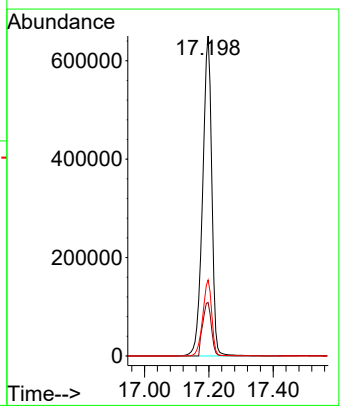
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

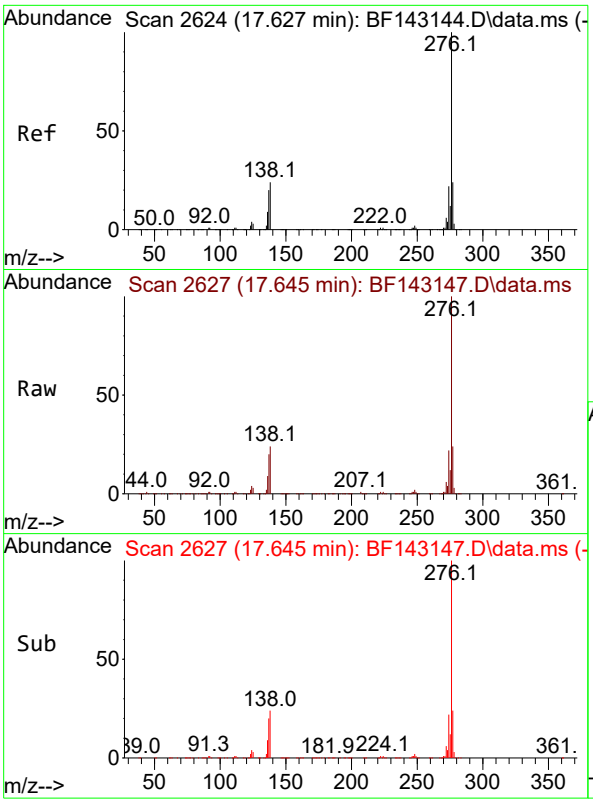


#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:278 Resp: 1289789

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.1	21.1
279	23.8	18.6	28.0

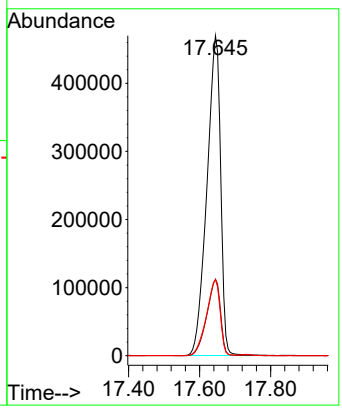




#92
Benzo(g,h,i)perylene
Concen: 76.846 ng
RT: 17.645 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:276 Resp: 126577

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	23.7	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	143868	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	559677	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	287255	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457098	20.000	ng	0.00
76) Chrysene-d12	14.121	240	265008	20.000	ng	0.00
86) Perylene-d12	15.621	264	310192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	701339	77.143	ng	0.00
7) Phenol-d6	6.581	99	894087	78.133	ng	0.00
23) Nitrobenzene-d5	7.522	82	811178	72.247	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	237309	79.969	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1449098	68.992	ng	0.00
79) Terphenyl-d14	13.068	244	1234701	69.333	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.793	88	165605	38.496	ng	98
3) Pyridine	3.569	79	453367	40.604	ng	99
4) n-Nitrosodimethylamine	3.510	42	235215	40.802	ng	97
6) Aniline	6.622	93	655116	41.078	ng	99
8) 2-Chlorophenol	6.745	128	395767	41.530	ng	99
9) Benzaldehyde	6.510	77	321269	37.441	ng	98
10) Phenol	6.598	94	508952m	40.827	ng	
11) bis(2-Chloroethyl)ether	6.692	93	387791	40.628	ng	100
12) 1,3-Dichlorobenzene	6.904	146	418232	40.400	ng	99
13) 1,4-Dichlorobenzene	6.981	146	424629	40.731	ng	99
14) 1,2-Dichlorobenzene	7.134	146	411560	41.506	ng	99
15) Benzyl Alcohol	7.098	79	366608	41.958	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	732274	41.357	ng	100
17) 2-Methylphenol	7.204	107	331709	41.398	ng	99
18) Hexachloroethane	7.481	117	151232	41.903	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	296171	40.342	ng	100
20) 3+4-Methylphenols	7.357	107	412065	42.387	ng	98
22) Acetophenone	7.369	105	533464	40.260	ng	99
24) Nitrobenzene	7.539	77	436834	41.731	ng	98
25) Isophorone	7.781	82	804071	40.567	ng	99
26) 2-Nitrophenol	7.857	139	203967	44.896	ng	100
27) 2,4-Dimethylphenol	7.886	122	377575	40.773	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	474637	39.939	ng	99
29) 2,4-Dichlorophenol	8.092	162	319216	40.875	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	342135	40.551	ng	99
31) Naphthalene	8.269	128	1106482	40.143	ng	100
32) Benzoic acid	7.986	122	202337	39.782	ng	98
33) 4-Chloroaniline	8.310	127	457742	40.671	ng	99
34) Hexachlorobutadiene	8.386	225	212781	41.284	ng	100
35) Caprolactam	8.675	113	96661	40.959	ng	98
36) 4-Chloro-3-methylphenol	8.780	107	344726	40.611	ng	99
37) 2-Methylnaphthalene	8.957	142	675594	40.279	ng	100
38) 1-Methylnaphthalene	9.057	142	703170	40.712	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	339567	40.944	ng	98
41) Hexachlorocyclopentadiene	9.116	237	231349	42.872	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	231043	40.253	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	246820	42.989	ng	97
46) 1,1'-Biphenyl	9.422	154	920059	41.053	ng	100
47) 2-Chloronaphthalene	9.445	162	666359	40.184	ng	100
48) 2-Nitroaniline	9.533	65	227376	43.723	ng	100
49) Acenaphthylene	9.863	152	1111992	40.013	ng	100
50) Dimethylphthalate	9.716	163	753041	40.218	ng	100
51) 2,6-Dinitrotoluene	9.775	165	166911	43.820	ng	98
52) Acenaphthene	10.033	154	659908	40.176	ng	99
53) 3-Nitroaniline	9.939	138	191512	42.985	ng	98
54) 2,4-Dinitrophenol	10.045	184	64659	40.998	ng	98
55) Dibenzofuran	10.204	168	974991	39.981	ng	100
56) 4-Nitrophenol	10.086	139	140876	42.344	ng	99
57) 2,4-Dinitrotoluene	10.175	165	212369	44.440	ng	97
58) Fluorene	10.551	166	717816	39.219	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	198530	41.743	ng	99
60) Diethylphthalate	10.416	149	753774	40.729	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	367981	40.377	ng	99
62) 4-Nitroaniline	10.551	138	160193	41.953	ng	98
63) Azobenzene	10.698	77	779524	40.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	98462	41.869	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647855	40.250	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	222405	40.828	ng	100
68) Hexachlorobenzene	11.098	284	229272	40.268	ng	100
69) Atrazine	11.174	200	189104	42.615	ng	99
70) Pentachlorophenol	11.286	266	141608	42.292	ng	99
71) Phenanthrene	11.510	178	971448	40.026	ng	100
72) Anthracene	11.563	178	1003925	40.557	ng	99
73) Carbazole	11.710	167	874867	40.476	ng	100
74) Di-n-butylphthalate	12.039	149	1035244	42.330	ng	100
75) Fluoranthene	12.698	202	909717	40.836	ng	100
77) Benzidine	12.810	184	441470	43.239	ng	100
78) Pyrene	12.927	202	902771	39.916	ng	99
80) Butylbenzylphthalate	13.539	149	303528	43.827	ng	98
81) Benzo(a)anthracene	14.110	228	708799	39.950	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	258837	43.772	ng	100
83) Chrysene	14.145	228	673701	42.233	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	456811	43.578	ng	100
85) Di-n-octyl phthalate	14.715	149	818512	43.077	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	896404	40.983	ng	100
88) Benzo(b)fluoranthene	15.180	252	820119	43.278	ng	100
89) Benzo(k)fluoranthene	15.209	252	634642	37.531	ng	99
90) Benzo(a)pyrene	15.562	252	708756	40.594	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	724758	40.710	ng	99
92) Benzo(g,h,i)perylene	17.627	276	712864	41.394	ng	100

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

ICAL Form

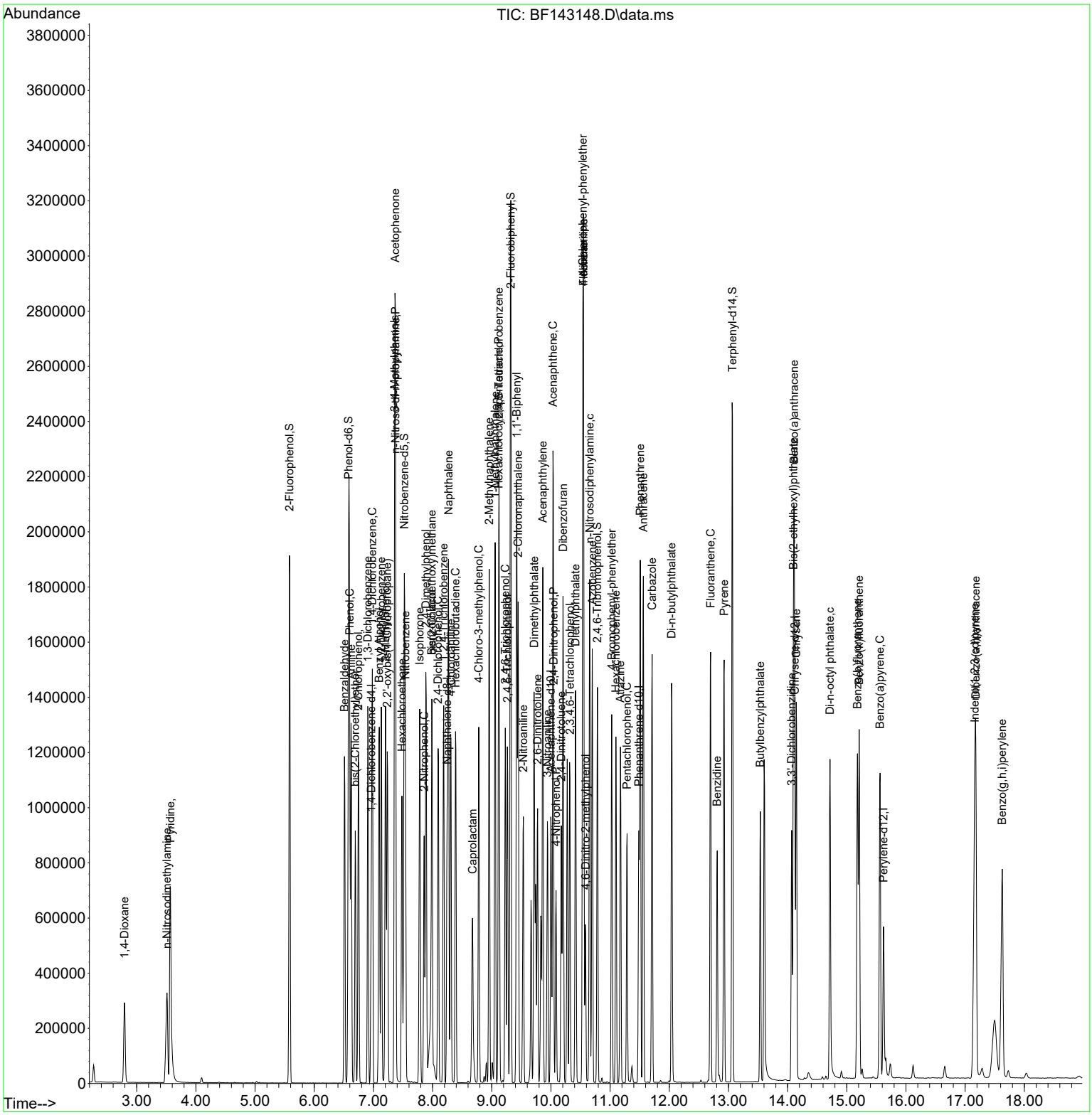
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

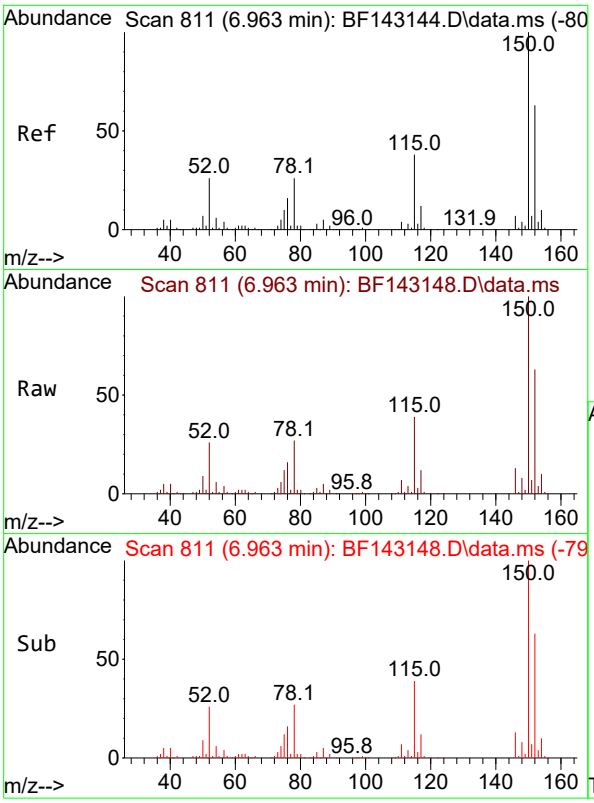
Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

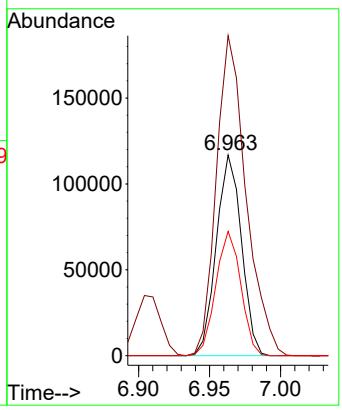




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:152 Resp: 14386

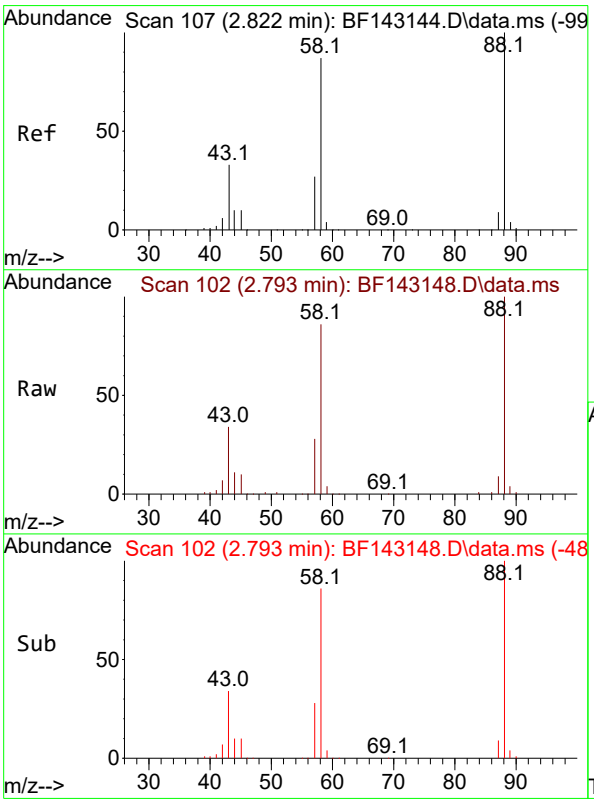
Ion	Ratio	Lower	Upper
152	100		
150	159.5	128.2	192.4
115	62.0	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

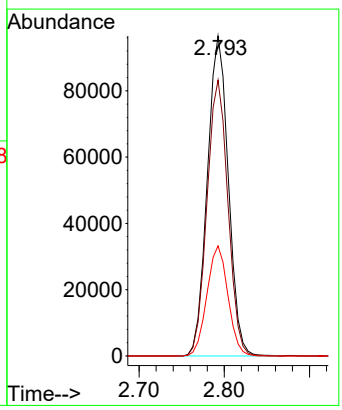
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

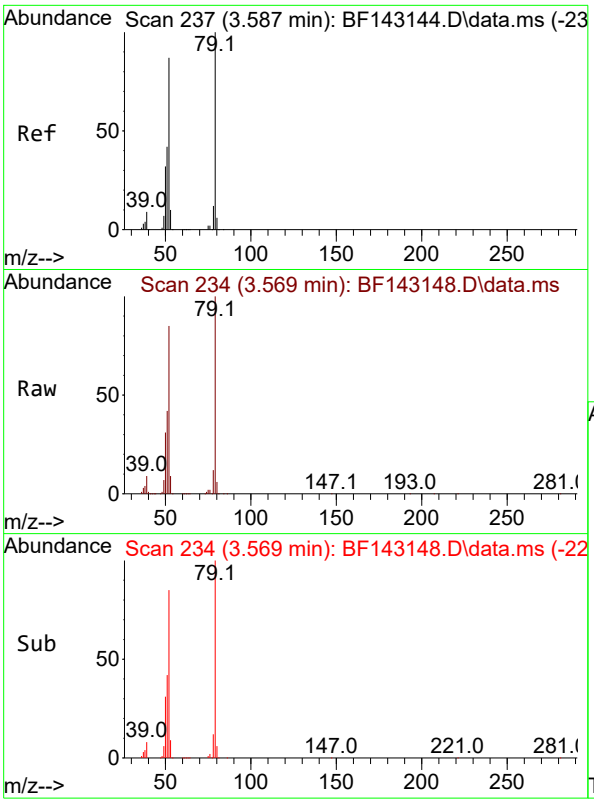


#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 88 Resp: 165605

Ion	Ratio	Lower	Upper
88	100		
58	86.0	70.2	105.2
43	34.4	27.1	40.7

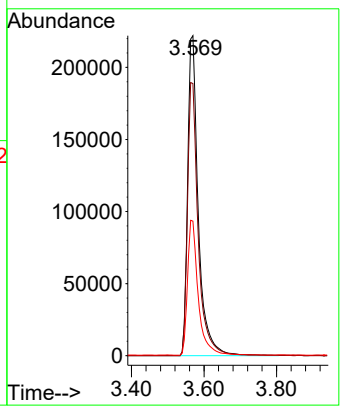




#3
Pyridine
Concen: 40.604 ng
RT: 3.569 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 79 Resp: 45336

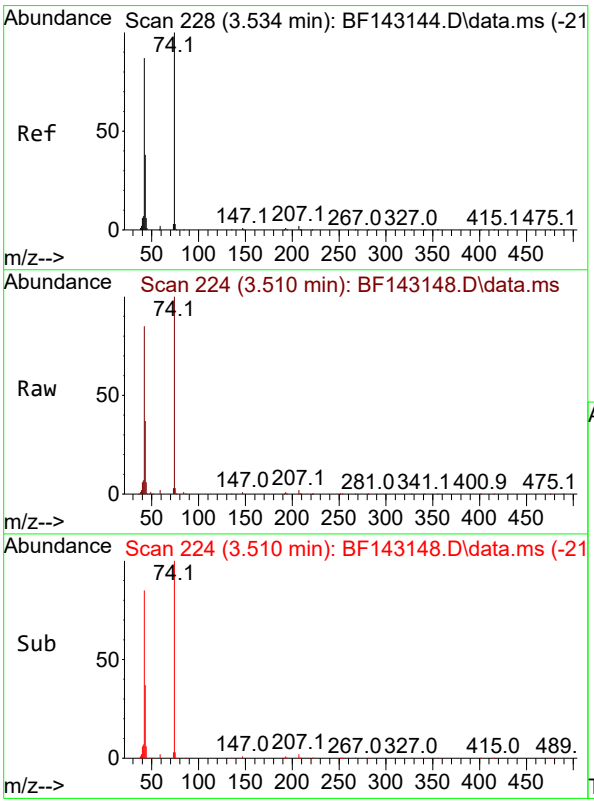
Ion	Ratio	Lower	Upper
79	100		
52	85.0	69.4	104.2
51	42.0	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

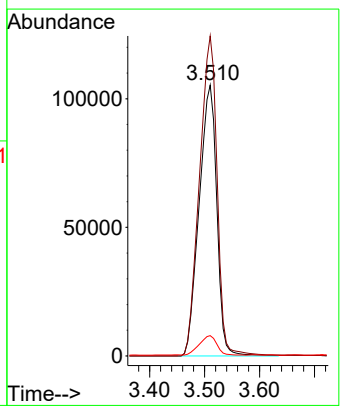
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

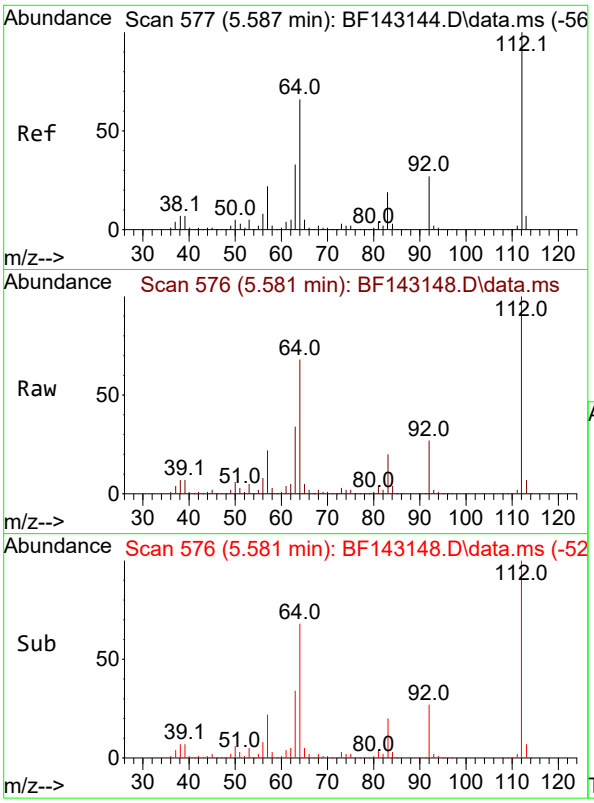


#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.024 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 42 Resp: 235215

Ion	Ratio	Lower	Upper
42	100		
74	118.1	91.7	137.5
44	7.5	5.6	8.4

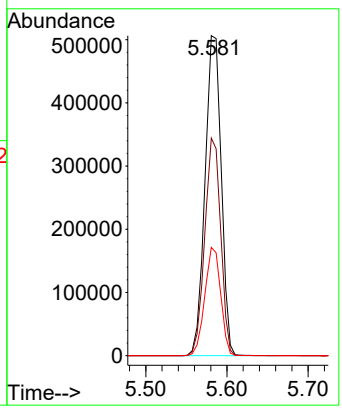




#5
2-Fluorophenol
Concen: 77.143 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:112 Resp: 70133

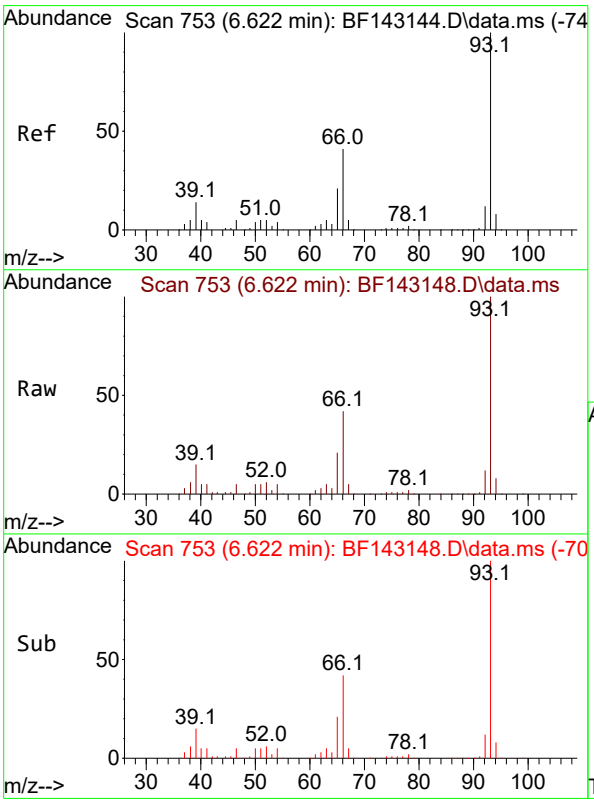
Ion	Ratio	Lower	Upper
112	100		
64	68.0	53.1	79.7
63	33.9	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

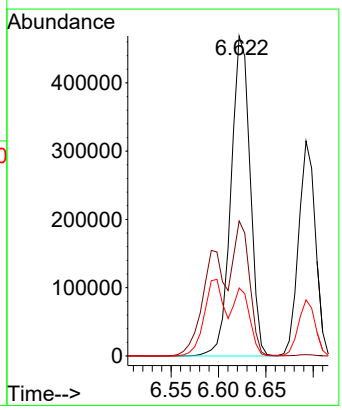
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

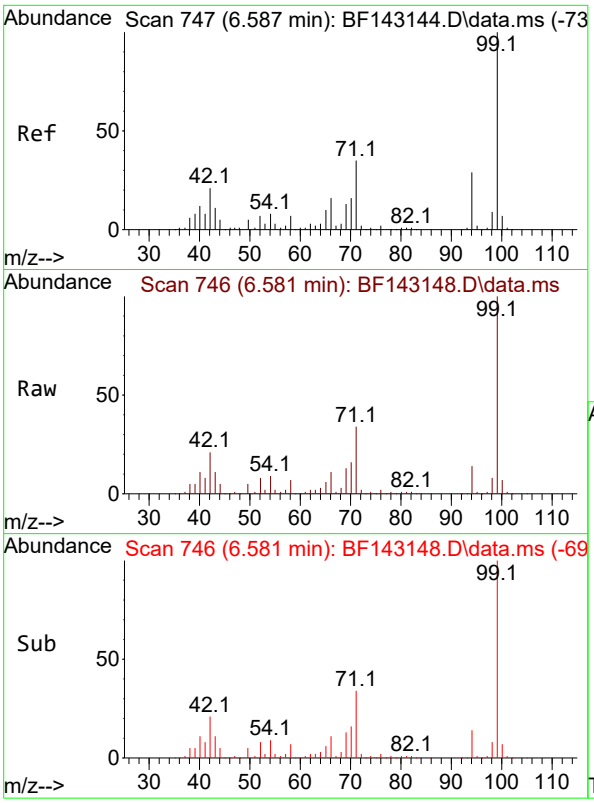


#6
Aniline
Concen: 41.078 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 655116

Ion	Ratio	Lower	Upper
93	100		
66	42.2	33.2	49.8
65	21.3	16.9	25.3

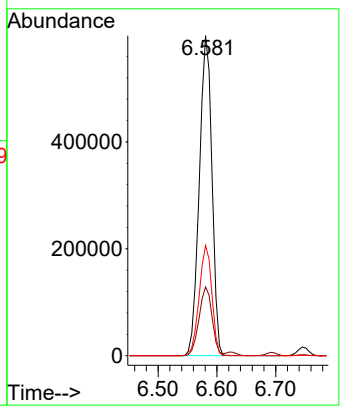




#7
Phenol-d6
Concen: 78.133 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 99 Resp: 89408

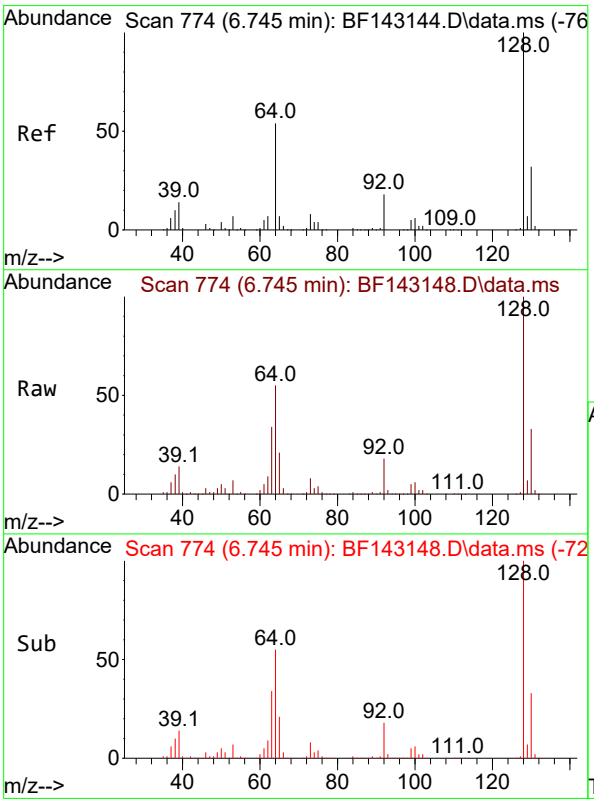
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	34.5	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

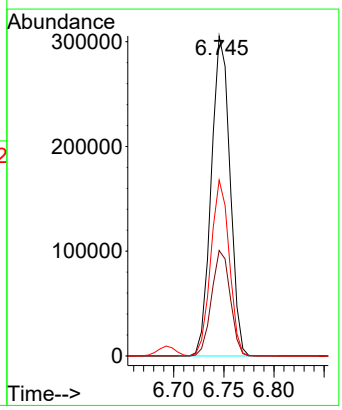
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

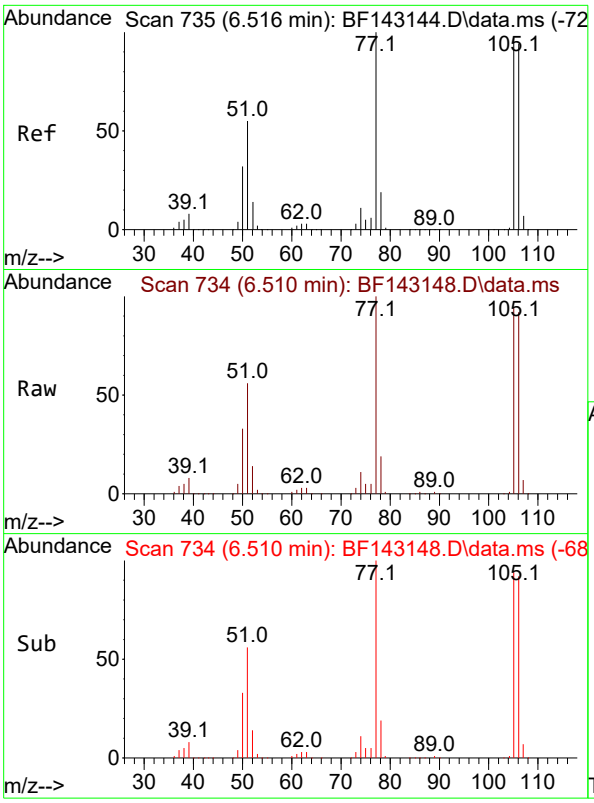


#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:128 Resp: 395767

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	54.9	35.9	75.9

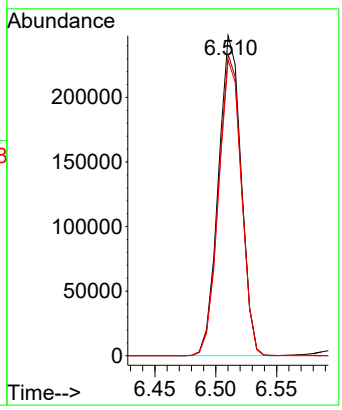




#9
Benzaldehyde
Concen: 37.441 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 77 Resp: 32126

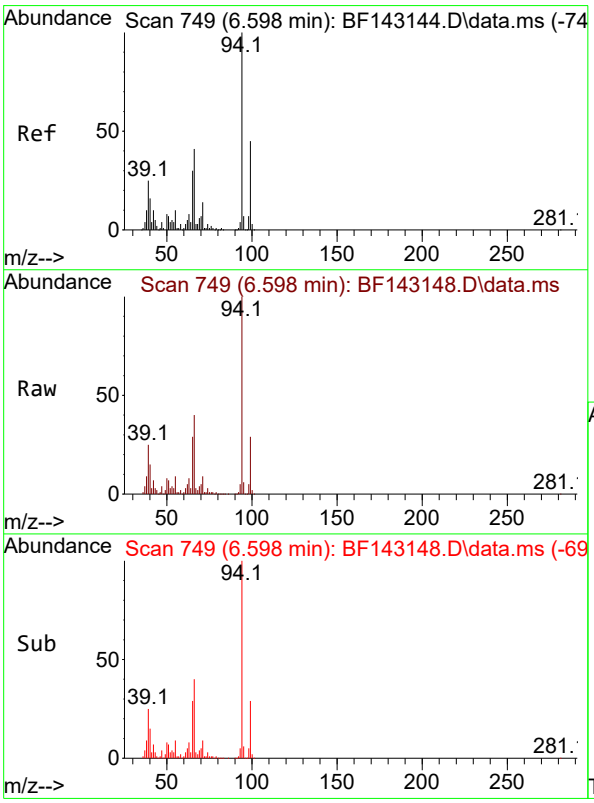
Ion	Ratio	Lower	Upper
77	100		
105	94.2	76.8	116.8
106	92.4	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

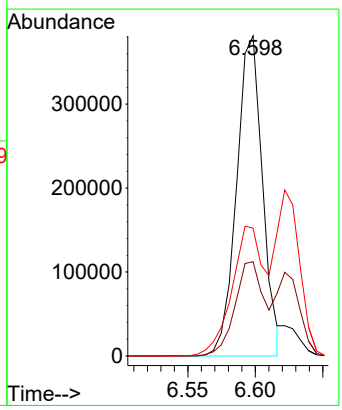
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

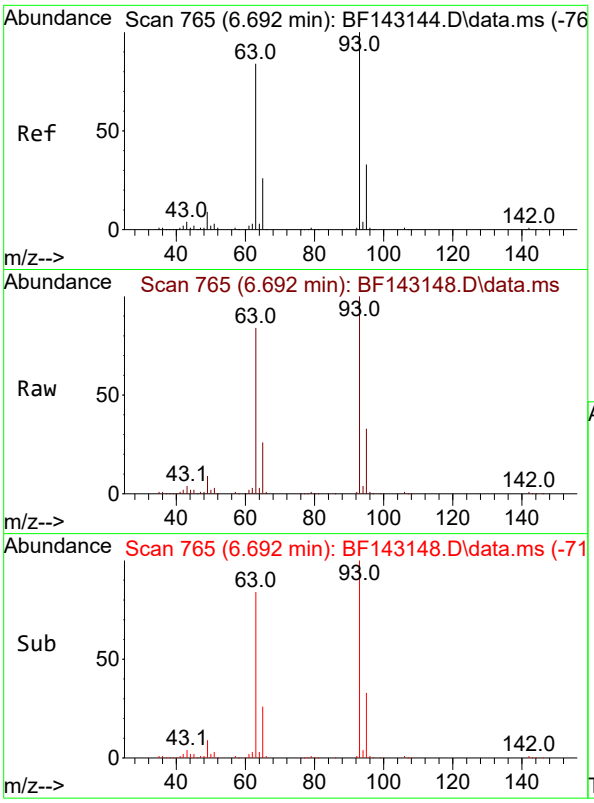


#10
Phenol
Concen: 40.827 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 94 Resp: 508952

Ion	Ratio	Lower	Upper
94	100		
65	29.4	10.0	50.0
66	40.0	20.8	60.8

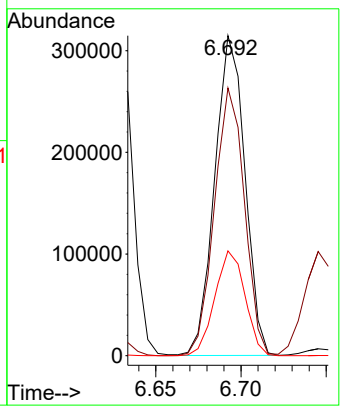




#11
bis(2-Chloroethyl)ether
Concen: 40.628 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 38779

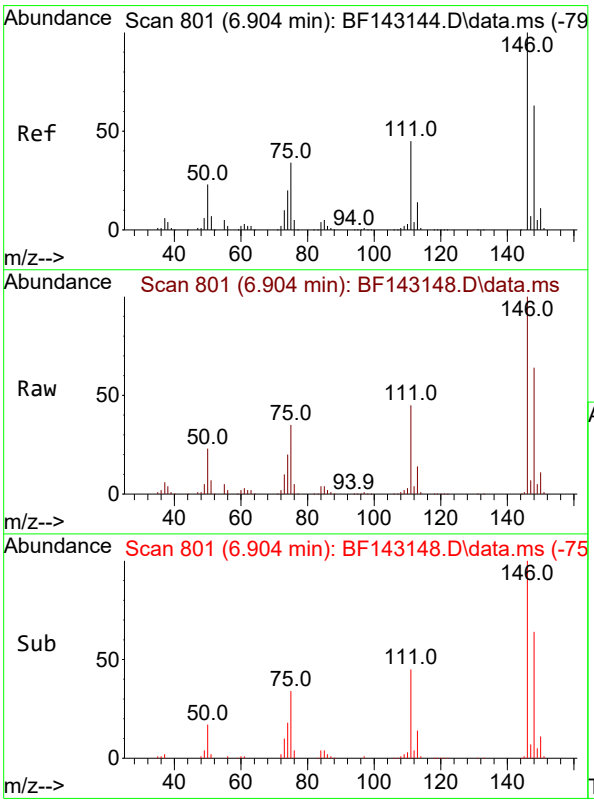
Ion	Ratio	Lower	Upper
93	100		
63	83.7	63.4	103.4
95	32.7	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

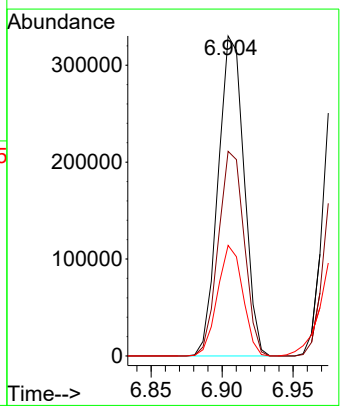
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

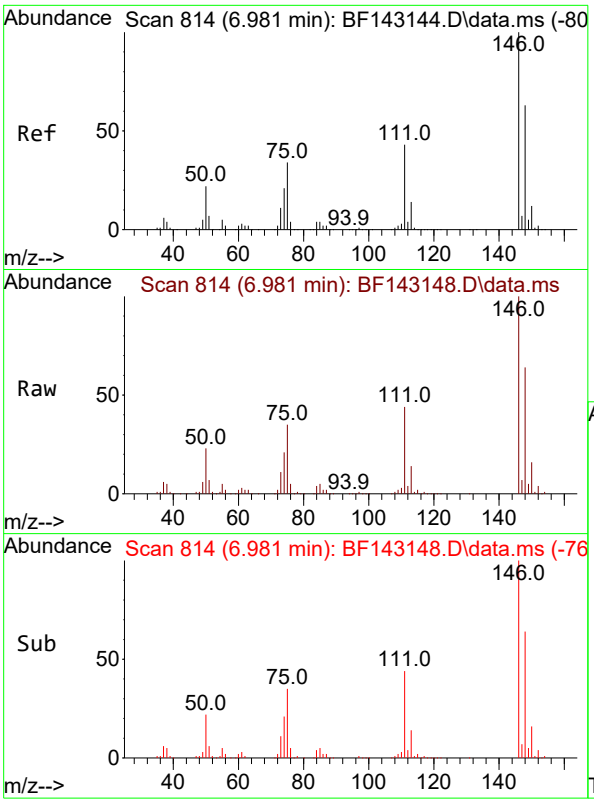


#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 418232

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
75	34.6	27.4	41.2

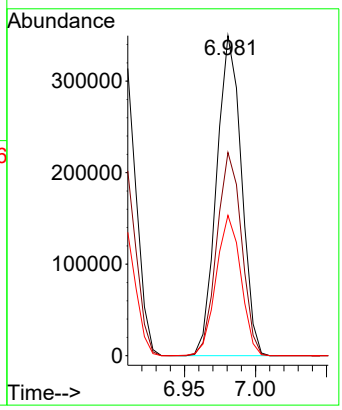




#13
1,4-Dichlorobenzene
Concen: 40.731 ng
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 42462

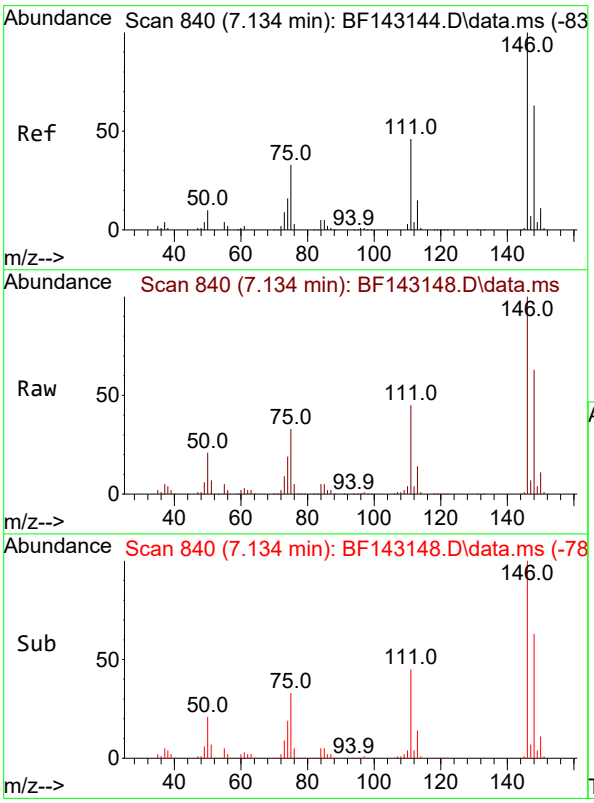
Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	43.8	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

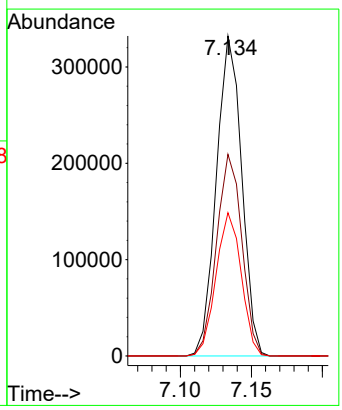
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

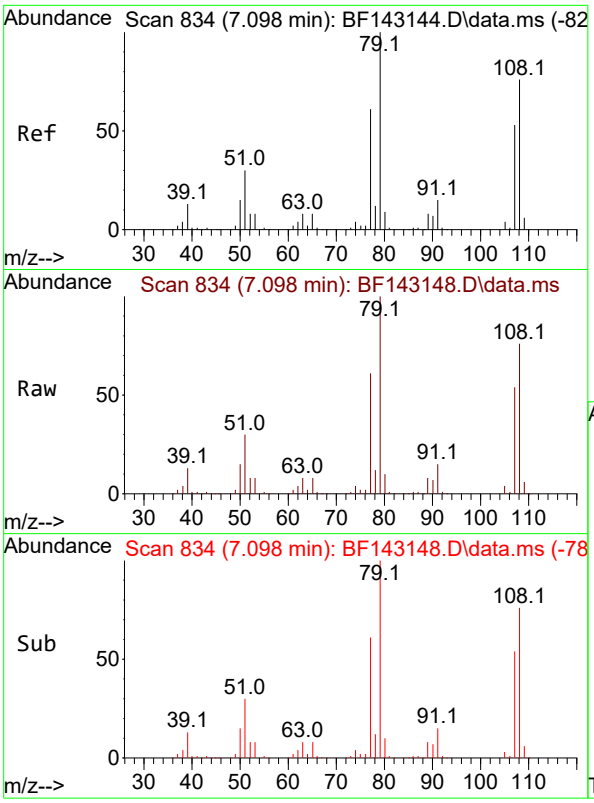


#14
1,2-Dichlorobenzene
Concen: 41.506 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 411560

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.7	76.1
111	44.8	36.6	54.8

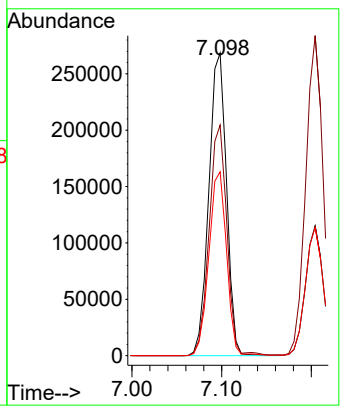




#15
Benzyl Alcohol
Concen: 41.958 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 79 Resp: 36660

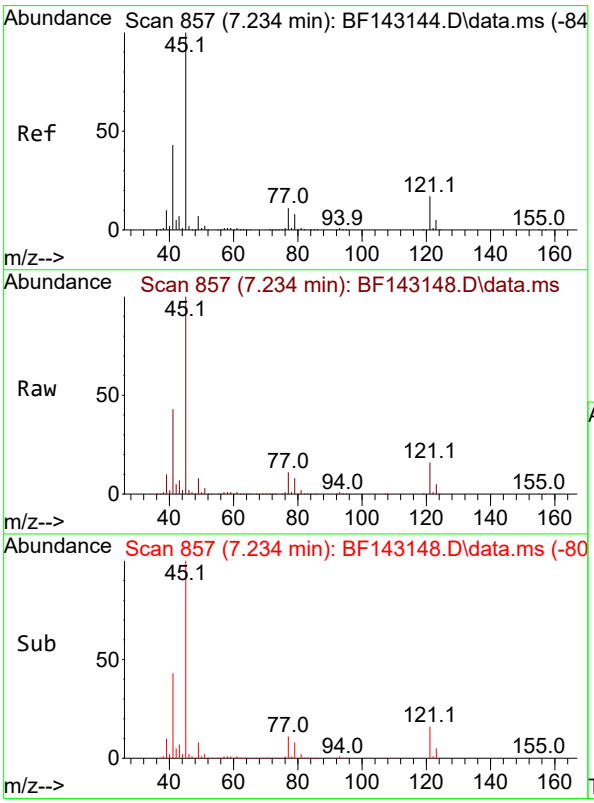
Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.1	91.7
77	60.8	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

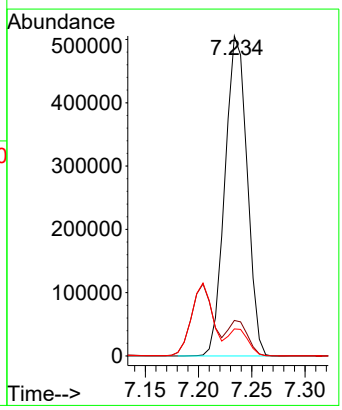
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

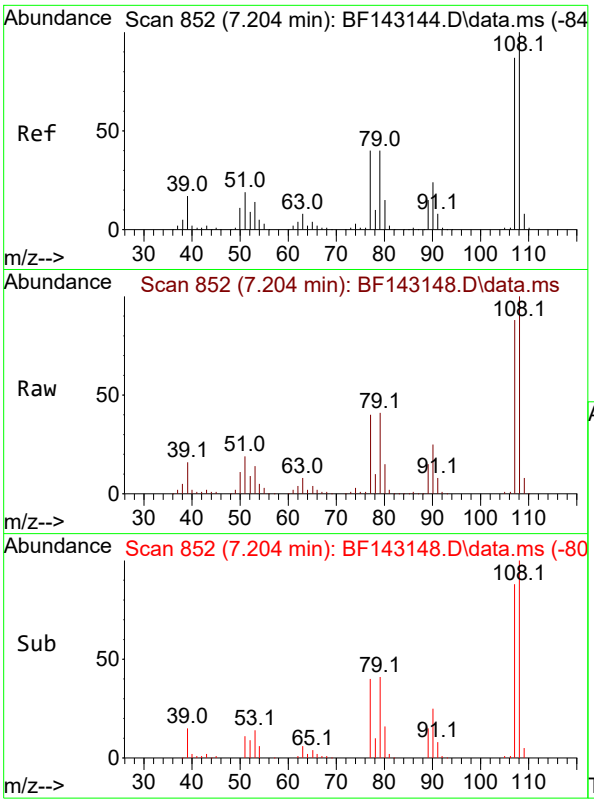


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.357 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 45 Resp: 732274

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.5	0.0	28.5

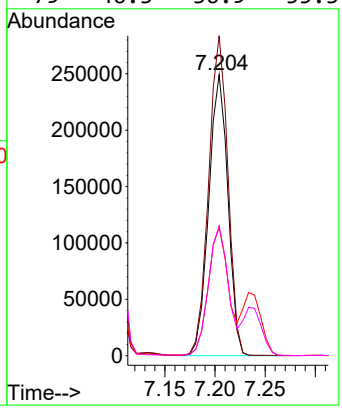




#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 33170

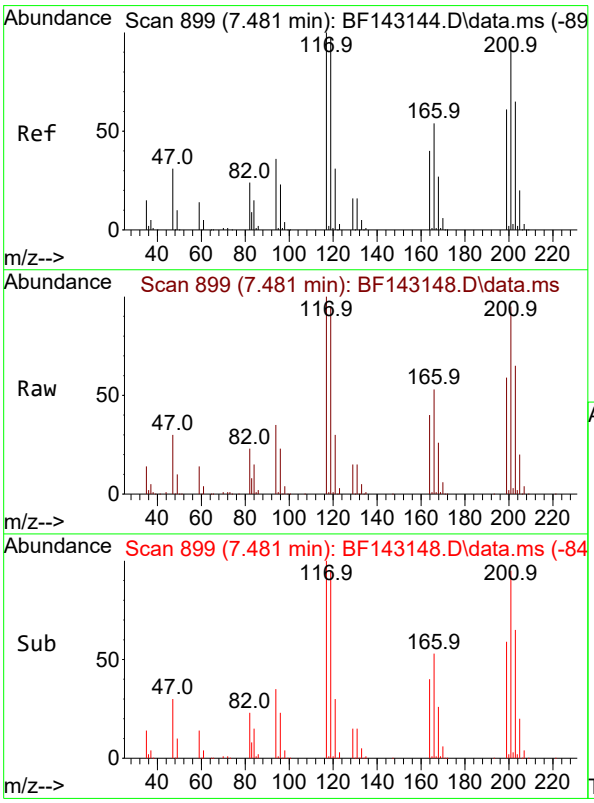
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.8	137.6
77	45.7	37.0	55.6
79	46.3	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

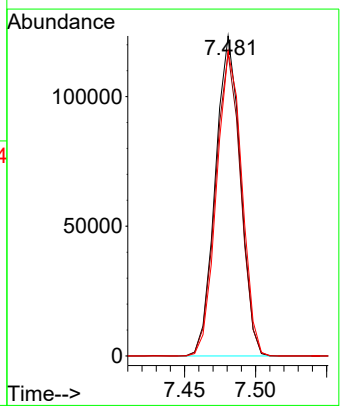
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

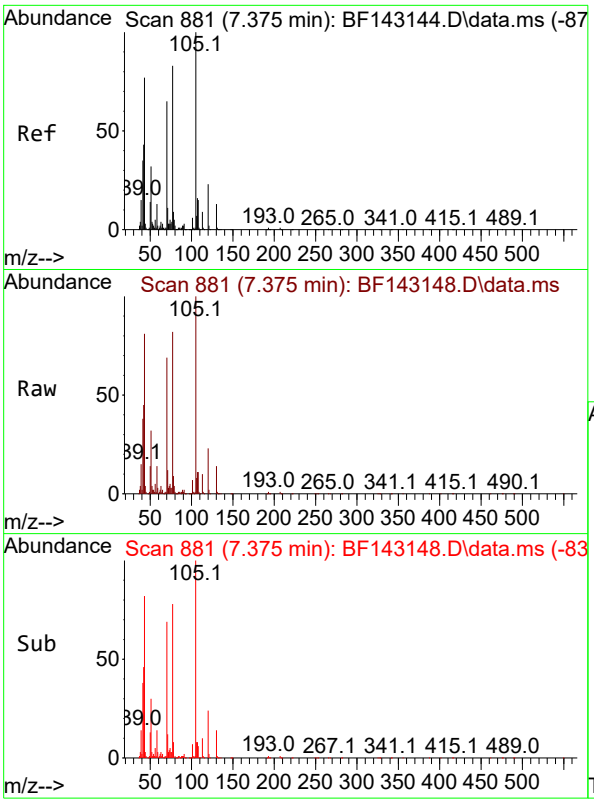


#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:117 Resp: 151232

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.8
201	95.2	77.0	115.4

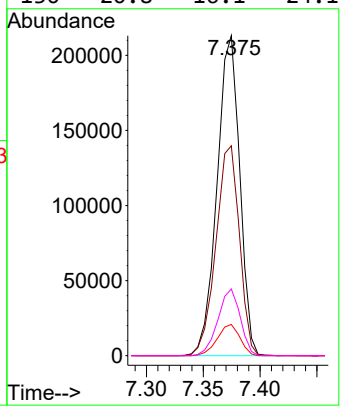




#19
n-Nitroso-di-n-propylamine
Concen: 40.342 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 70 Resp: 29617

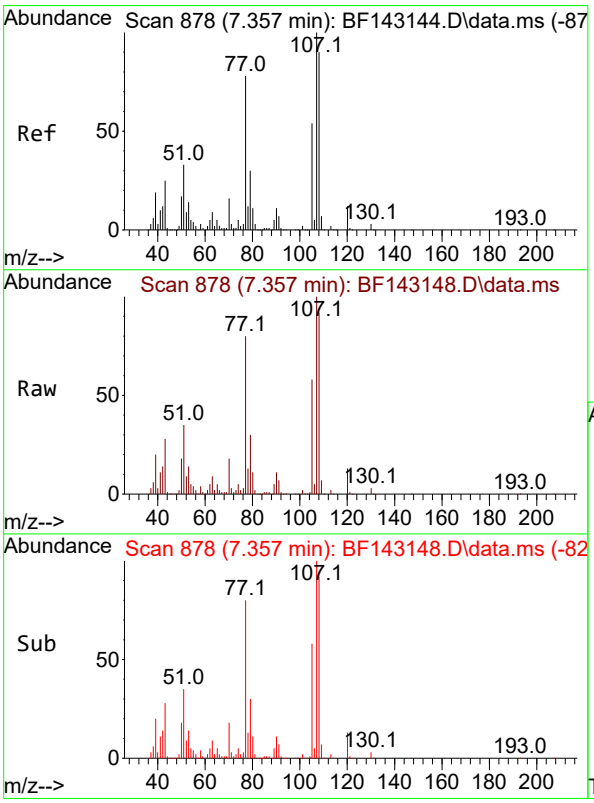
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.8	7.6	11.4
130	20.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

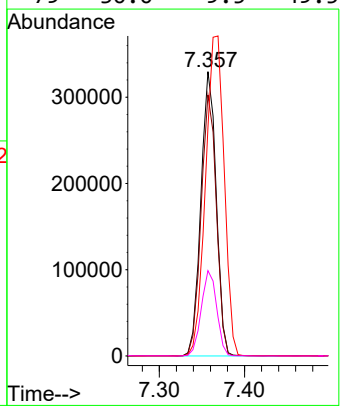
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

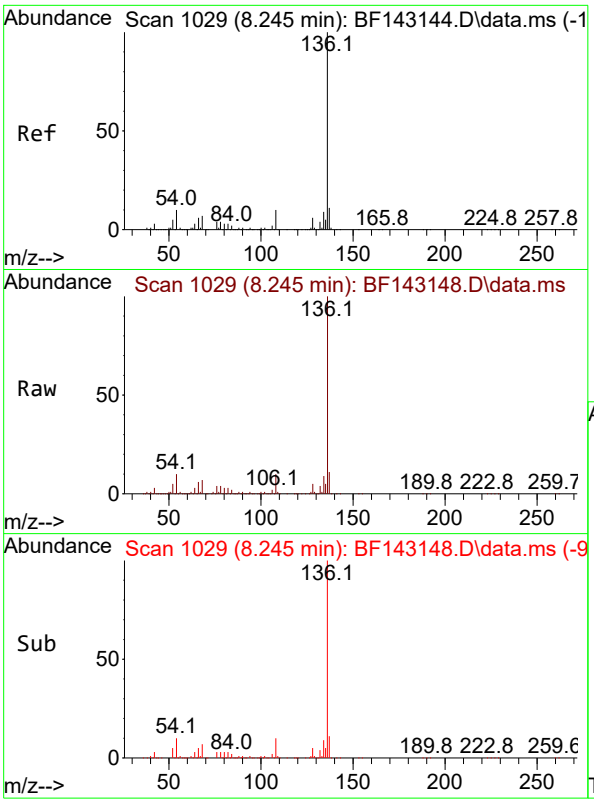


#20
3+4-Methylphenols
Concen: 42.387 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 412065

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	80.5	57.8	97.8
79	30.0	9.5	49.5

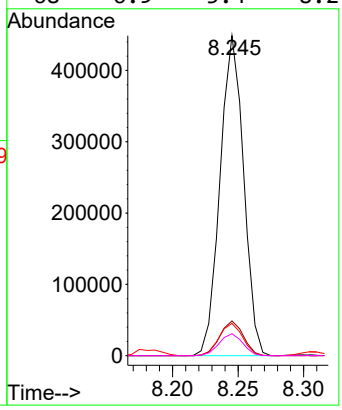




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:136 Resp: 55967

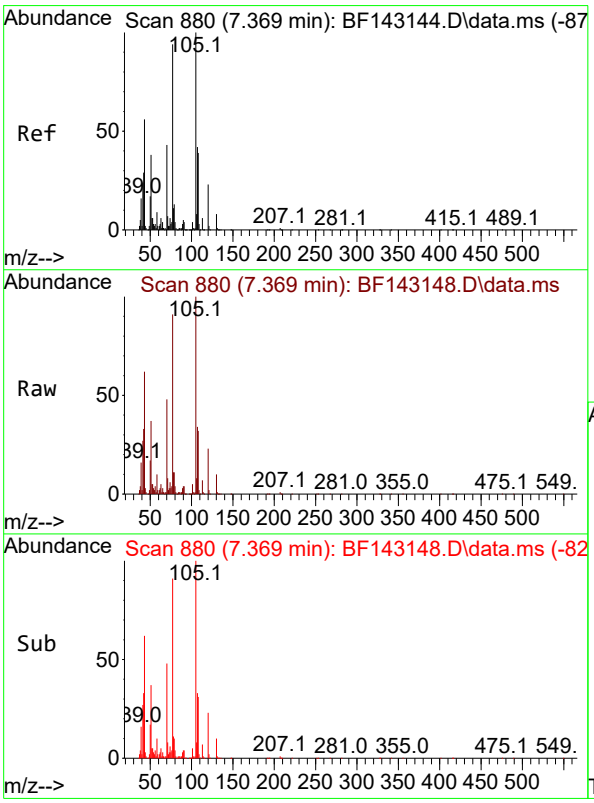
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	6.9	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

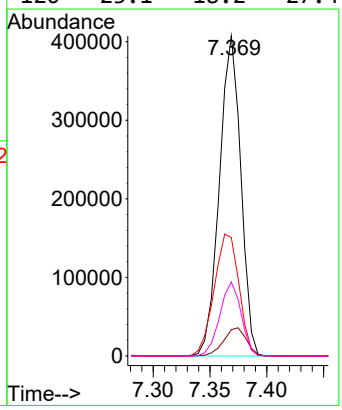
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

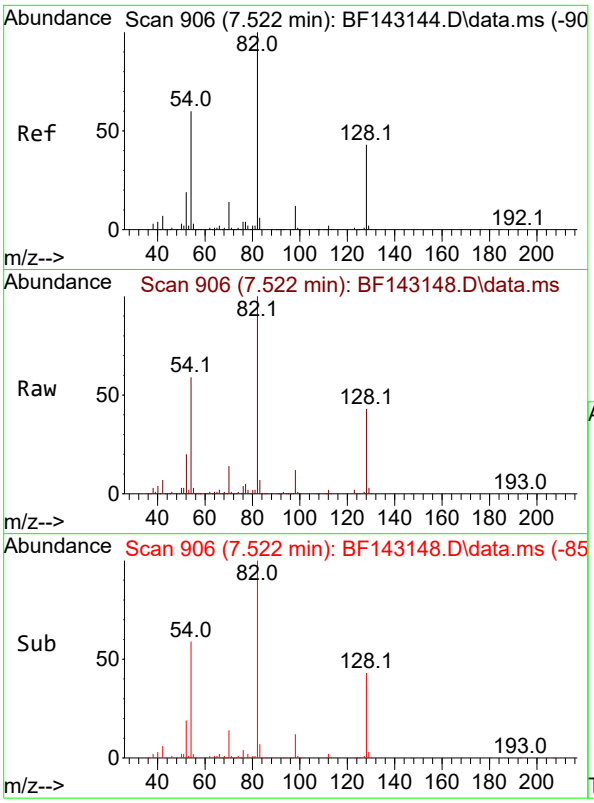


#22
Acetophenone
Concen: 40.260 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:105 Resp: 533464

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.6
51	37.0	30.2	45.2
120	23.1	18.2	27.4





#23
Nitrobenzene-d5
Concen: 72.247 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

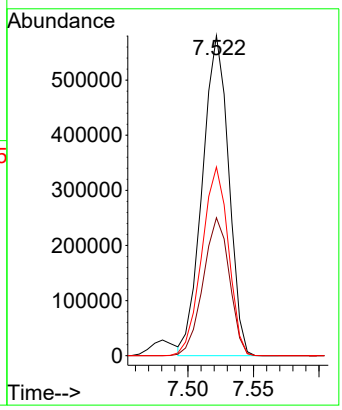
Tgt Ion: 82 Resp: 81117

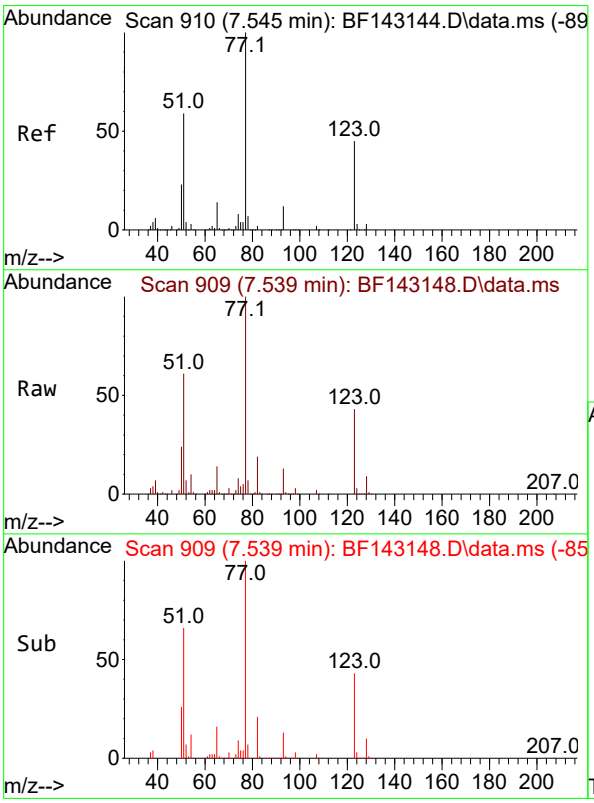
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.9	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

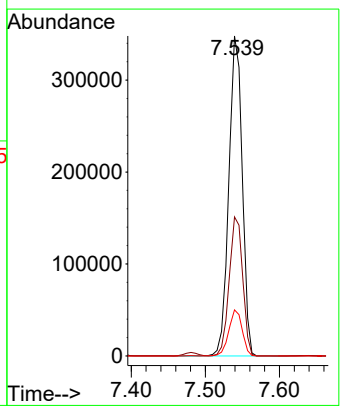


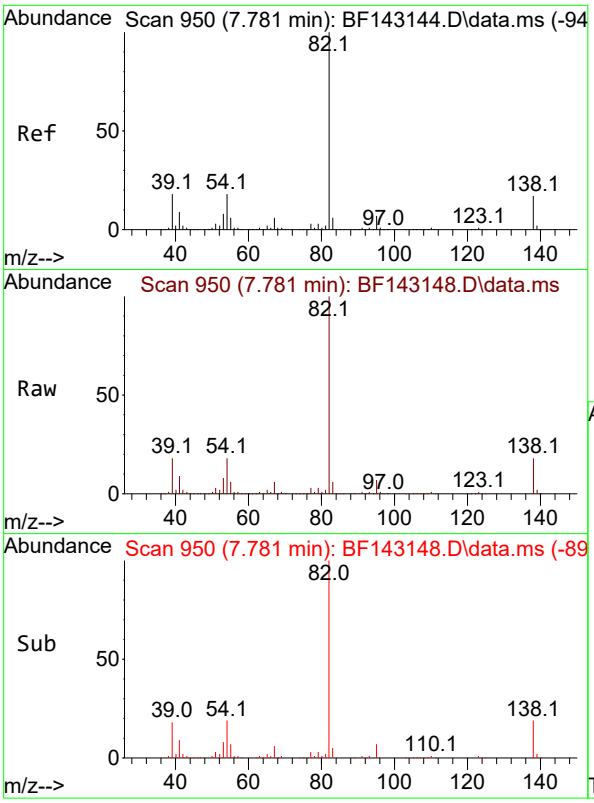


#24
Nitrobenzene
Concen: 41.731 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 77 Resp: 436834

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.1	54.1
65	14.4	11.4	17.2





#25
Isophorone
Concen: 40.567 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

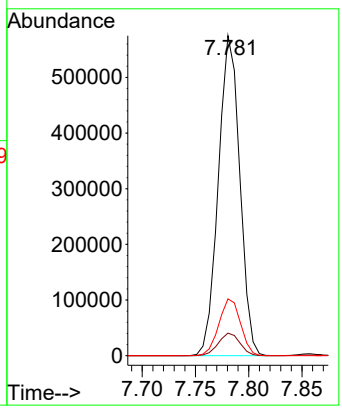
Tgt Ion: 82 Resp: 80407

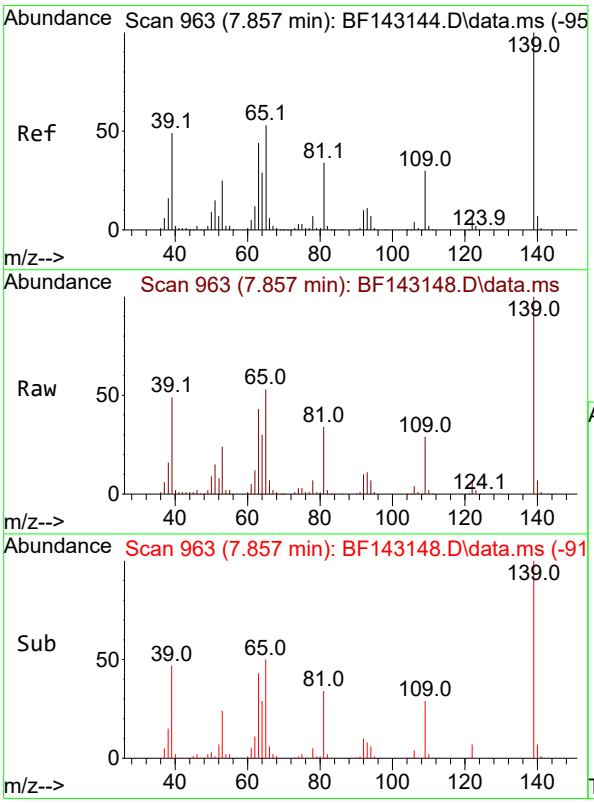
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.8	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

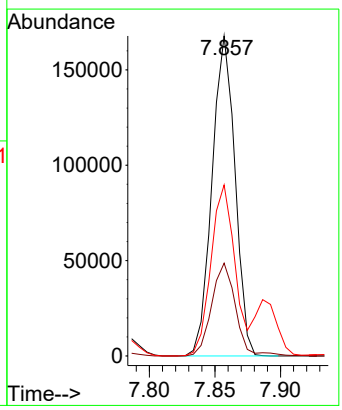


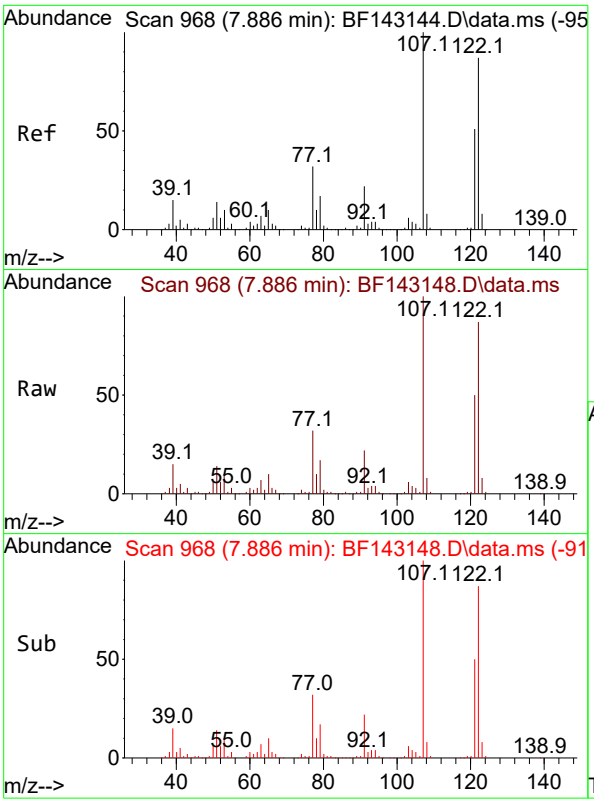


#26
2-Nitrophenol
Concen: 44.896 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 203967

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	53.4	42.6	64.0

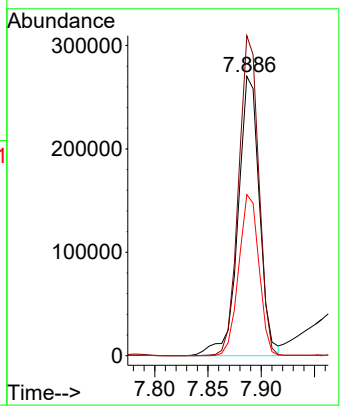




#27
2,4-Dimethylphenol
Concen: 40.773 ng
RT: 7.886 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:122 Resp: 37757

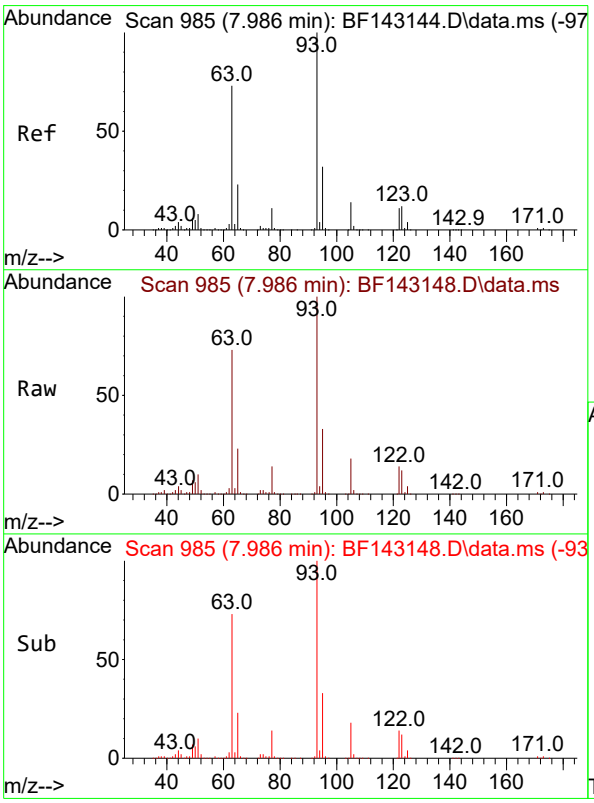
Ion	Ratio	Lower	Upper
122	100		
107	114.6	91.8	137.6
121	57.7	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

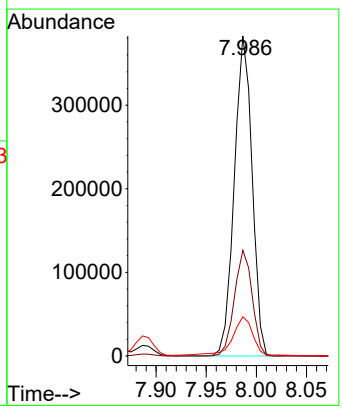
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

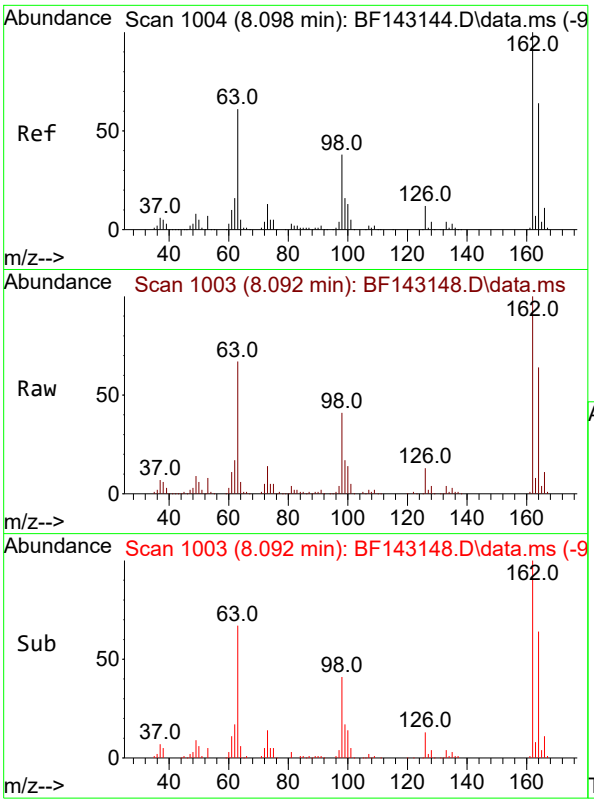


#28
bis(2-Chloroethoxy)methane
Concen: 39.939 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 474637

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.6
123	12.2	9.7	14.5

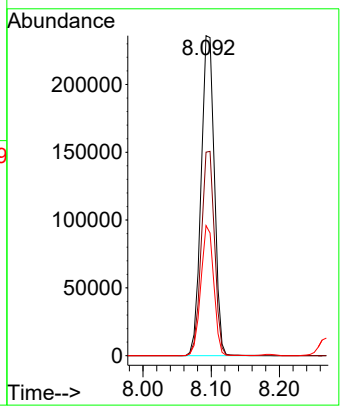




#29
2,4-Dichlorophenol
Concen: 40.875 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:162 Resp: 31921

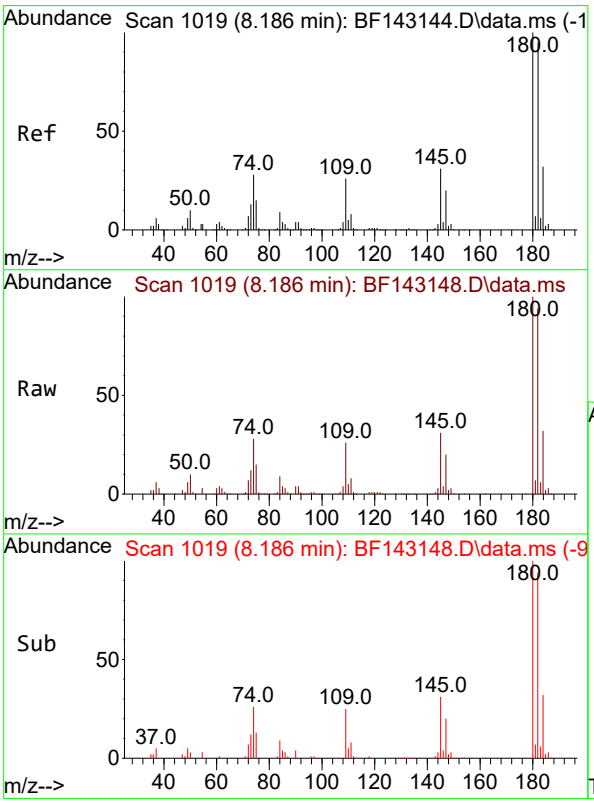
Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.2	84.2
98	40.7	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

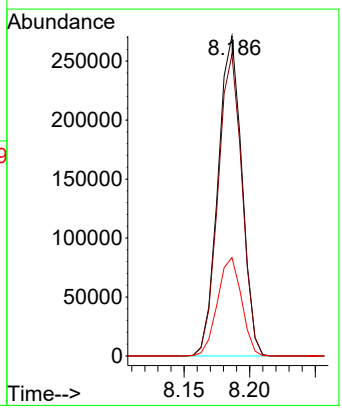
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

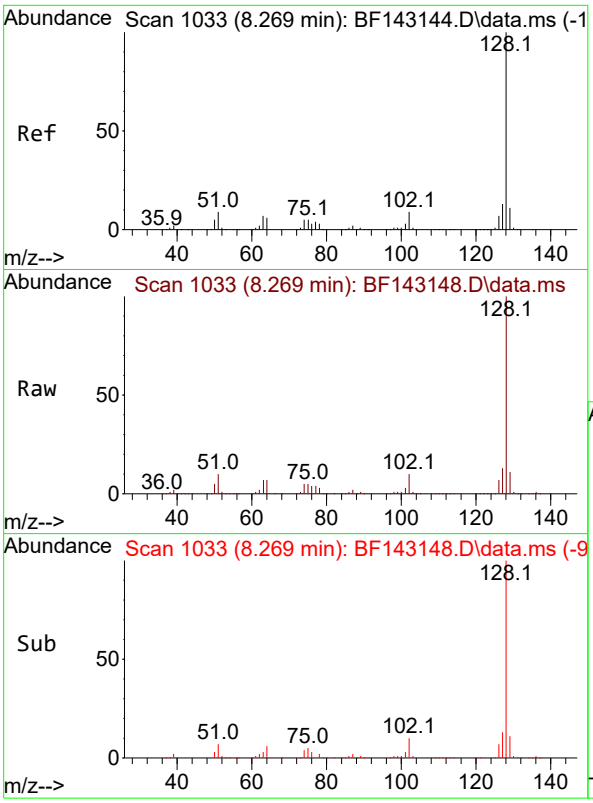


#30
1,2,4-Trichlorobenzene
Concen: 40.551 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:180 Resp: 342135

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.2
145	30.8	25.0	37.6

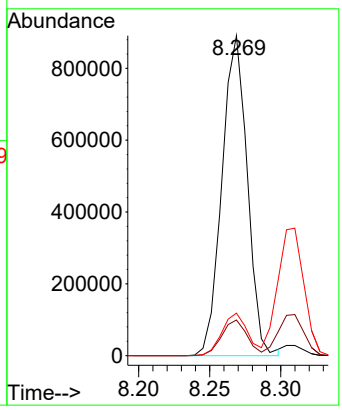




#31
Naphthalene
Concen: 40.143 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:128 Resp: 110648

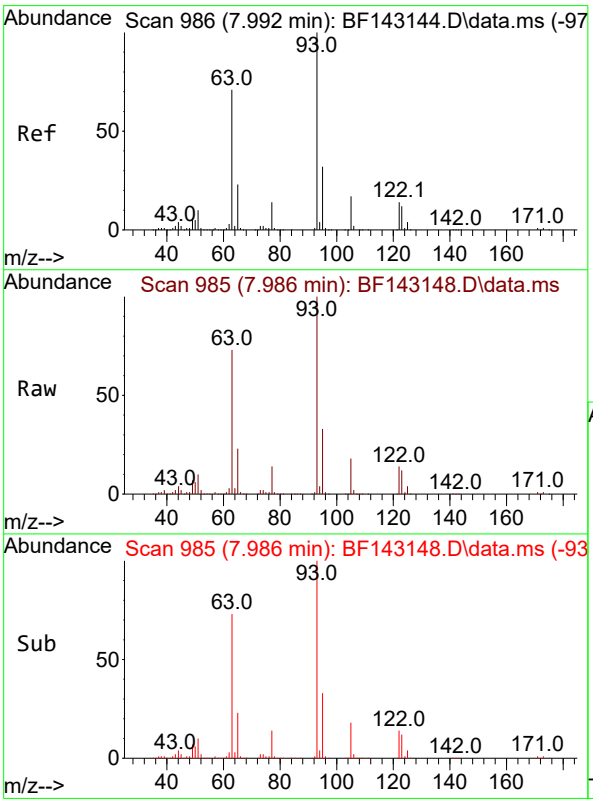
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

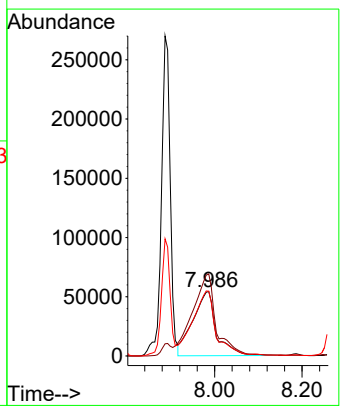
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

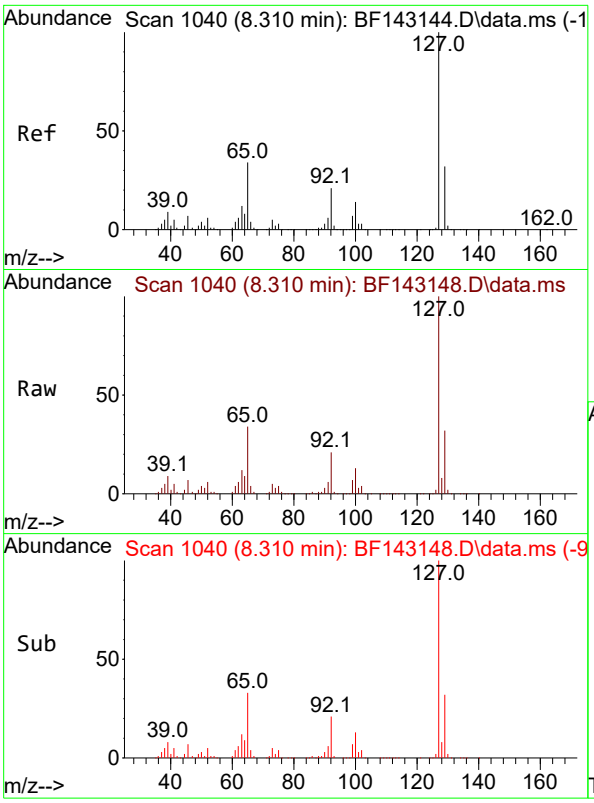


#32
Benzoic acid
Concen: 39.782 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:122 Resp: 202337

Ion	Ratio	Lower	Upper
122	100		
105	127.2	104.8	144.8
77	100.3	77.6	117.6

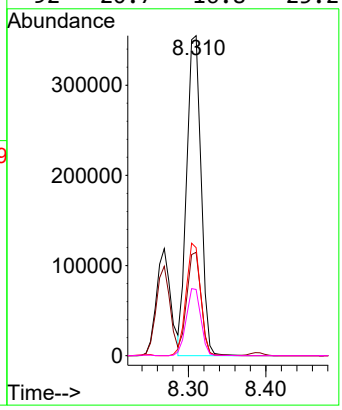




#33
4-Chloroaniline
Concen: 40.671 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:127 Resp: 45774

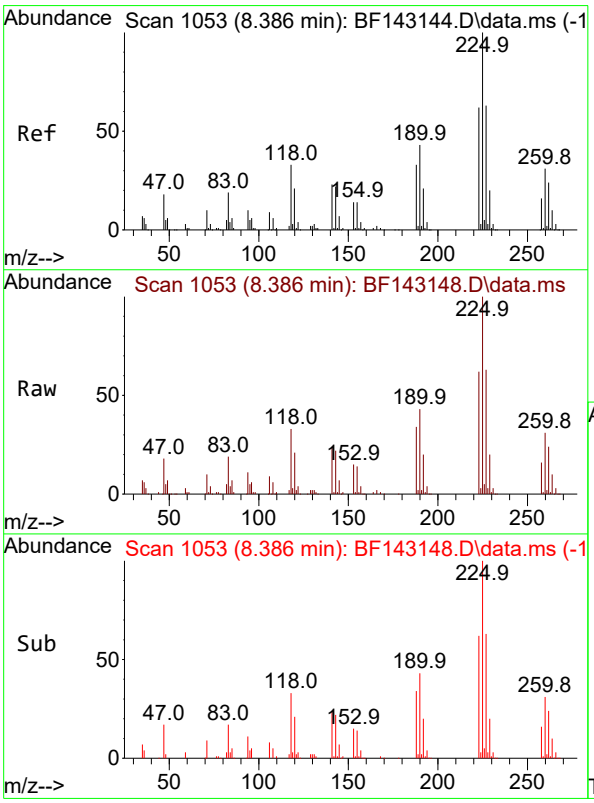
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.8	27.4	41.2
92	20.7	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

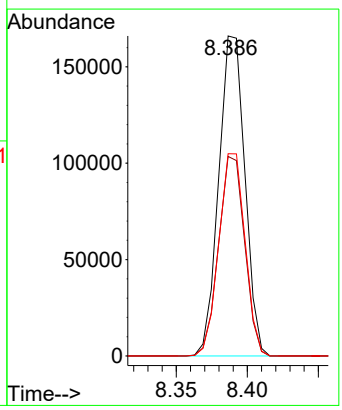
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

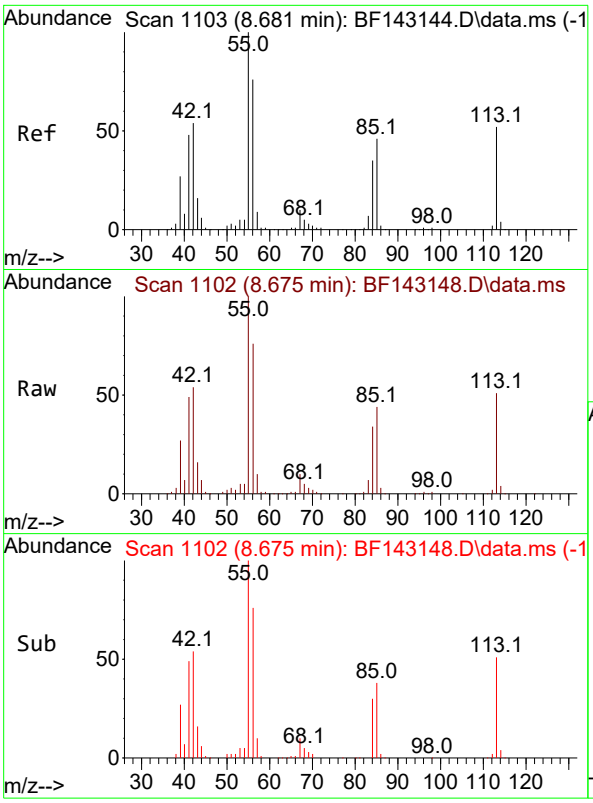


#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:225 Resp: 212781

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	63.2	50.2	75.4

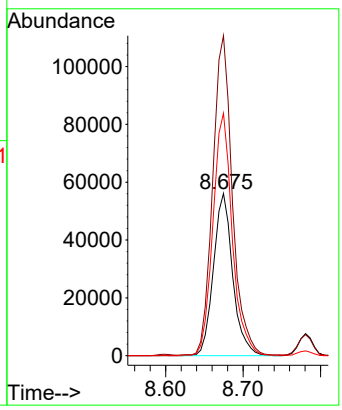




#35
Caprolactam
Concen: 40.959 ng
RT: 8.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:113 Resp: 9666

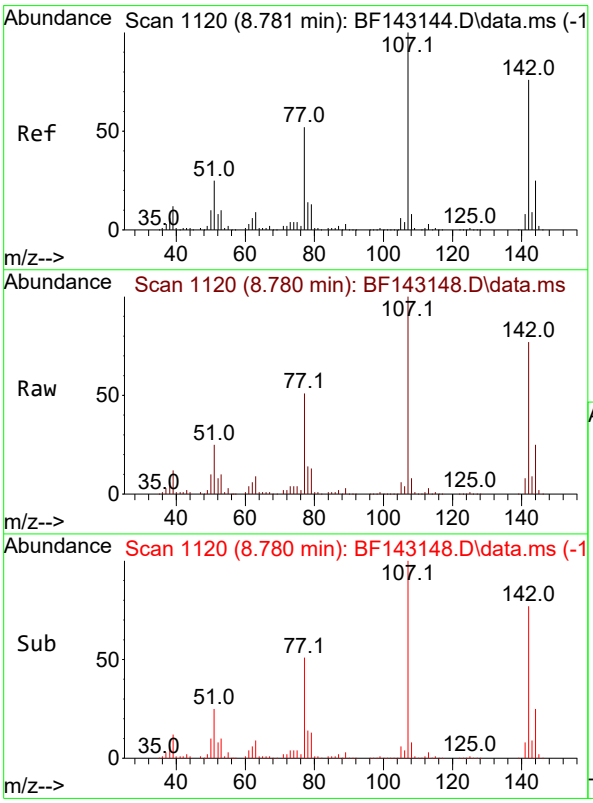
Ion	Ratio	Lower	Upper
113	100		
55	197.3	174.0	214.0
56	149.4	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

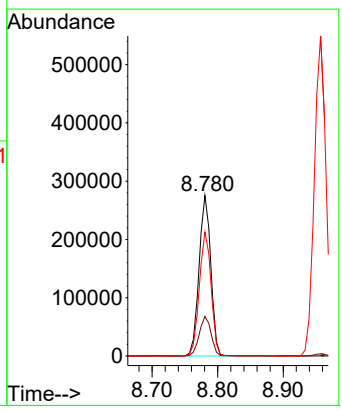
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

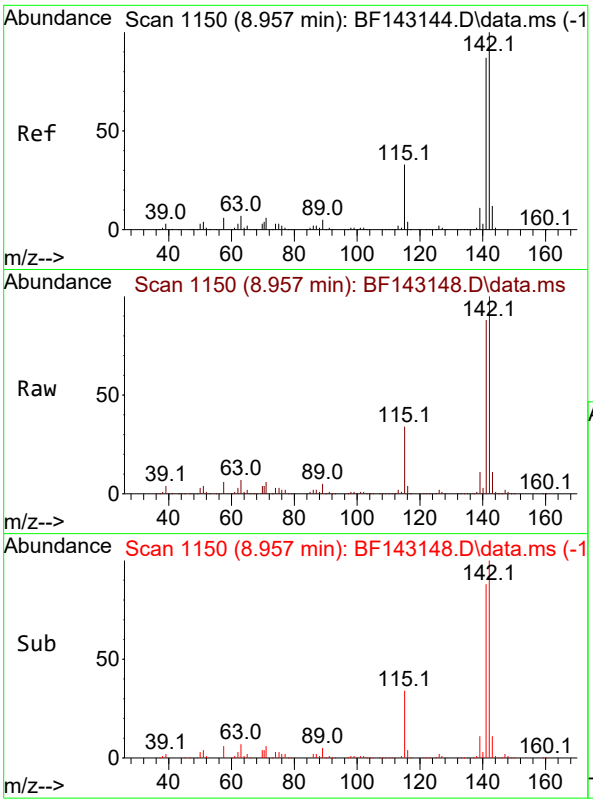


#36
4-Chloro-3-methylphenol
Concen: 40.611 ng
RT: 8.780 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 344726

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	77.3	60.6	90.8





#37
2-Methylnaphthalene
Concen: 40.279 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

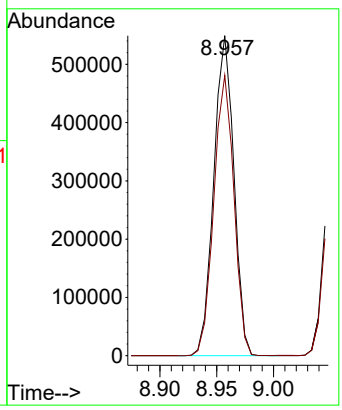
Tgt Ion:142 Resp: 67559

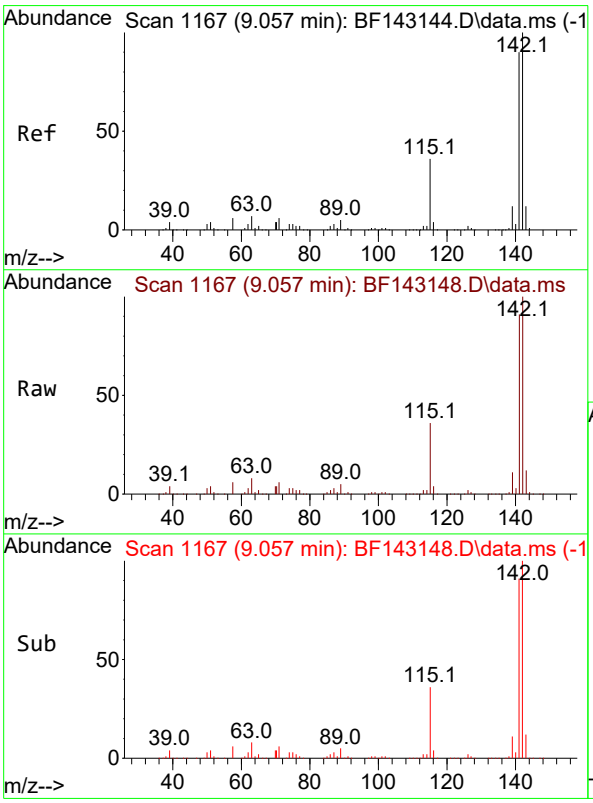
Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

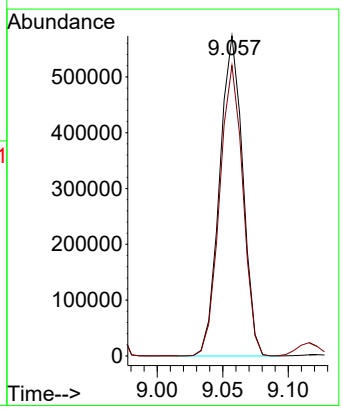


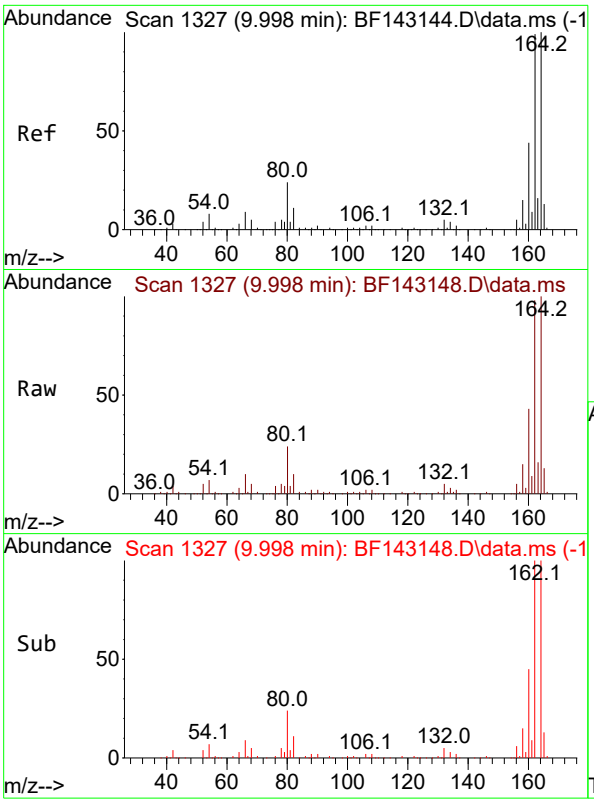


#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:142 Resp: 703170

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.3	108.5

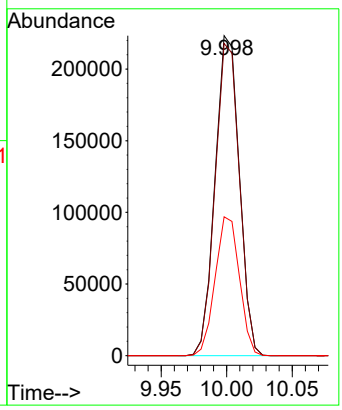




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:164 Resp: 28725

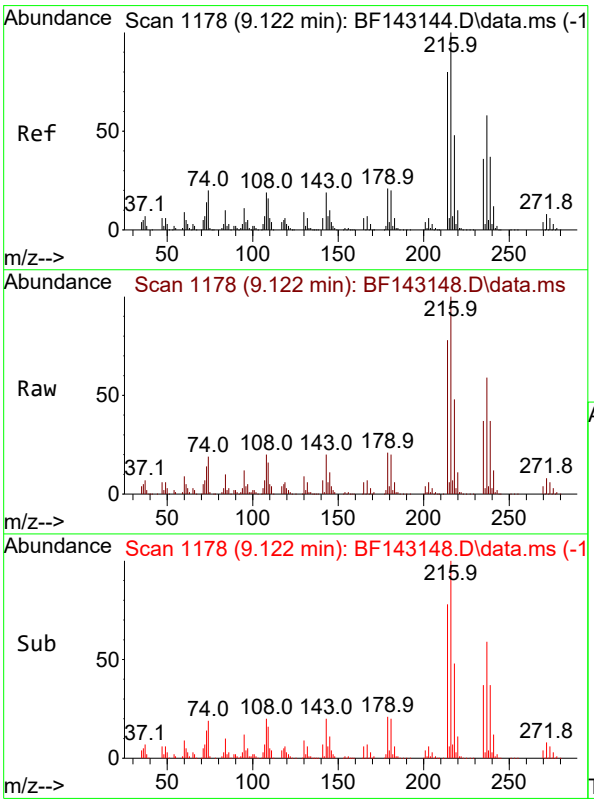
Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.0	118.6
160	43.4	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

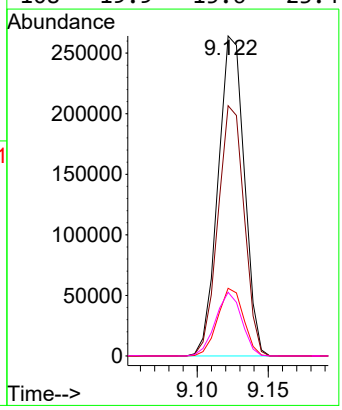
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

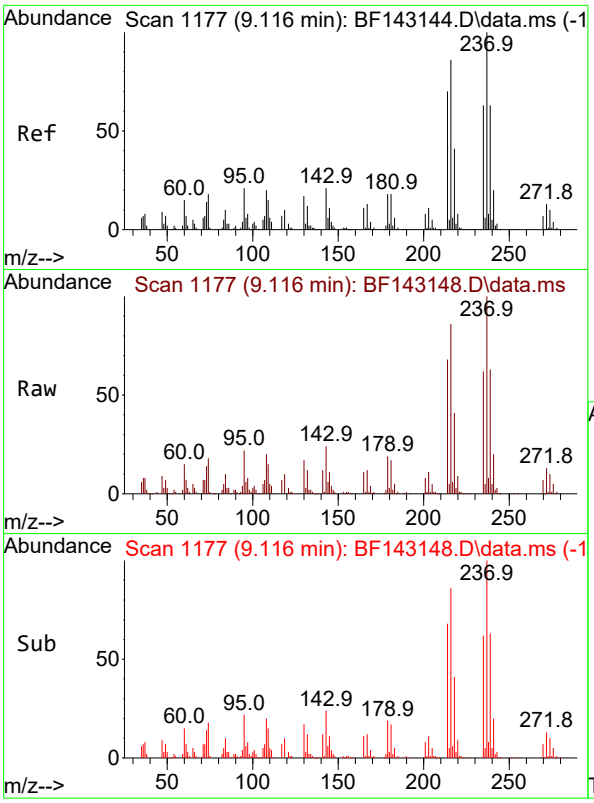


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.944 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:216 Resp: 339567

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.8	95.8
179	20.8	16.4	24.6
108	19.9	15.6	23.4

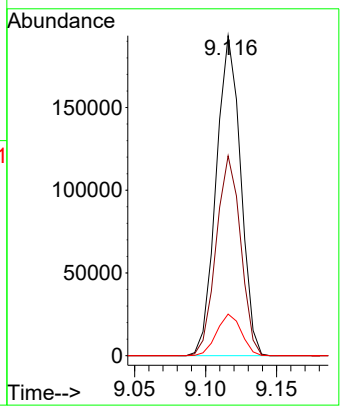




#41
Hexachlorocyclopentadiene
Concen: 42.872 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:237 Resp: 23134

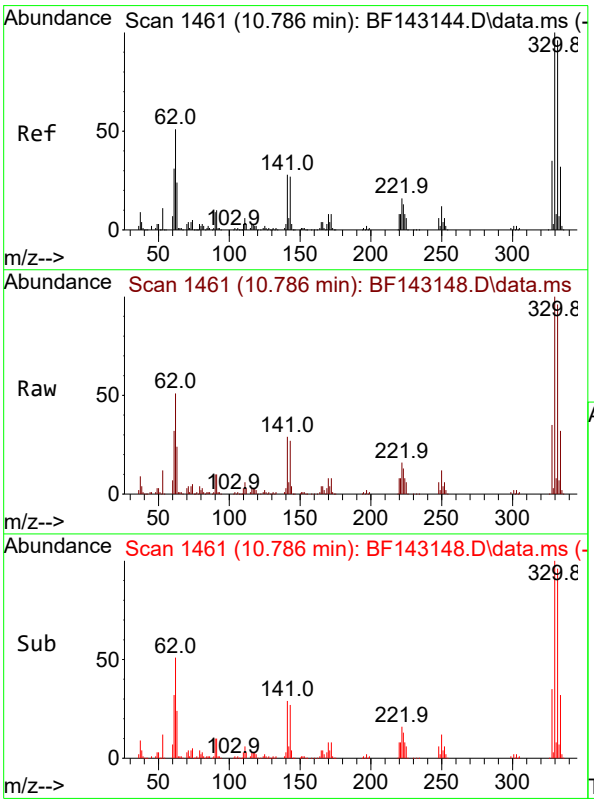
Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.0	83.0
272	13.0	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

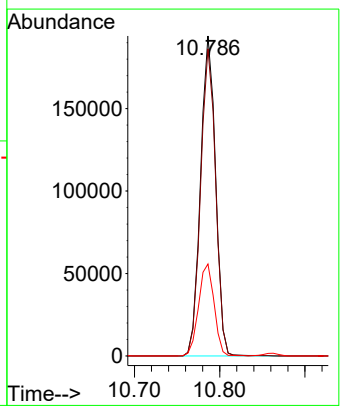
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

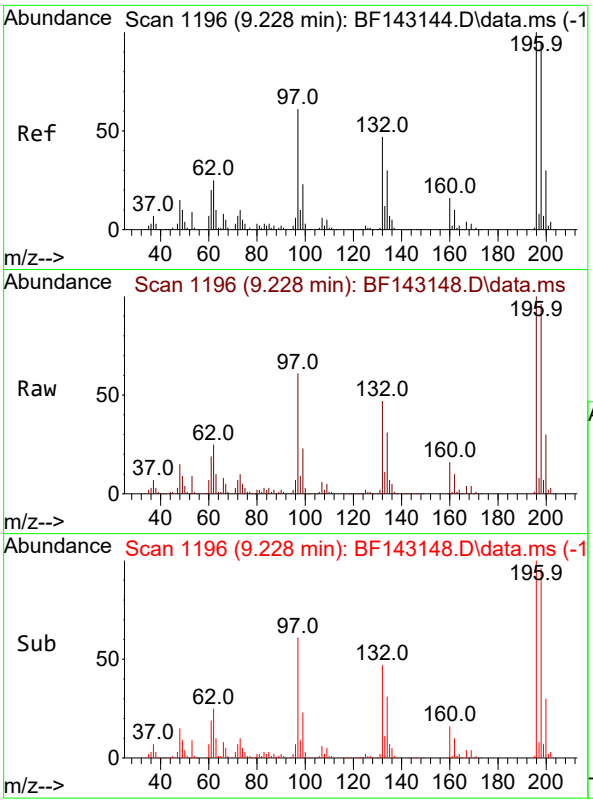


#42
2,4,6-Tribromophenol
Concen: 79.969 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:330 Resp: 237309

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.7	115.1
141	29.8	23.3	34.9

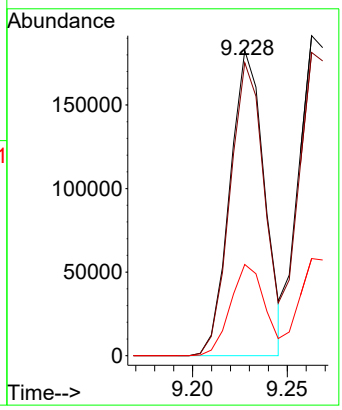




#43
2,4,6-Trichlorophenol
Concen: 40.253 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:196 Resp: 2310

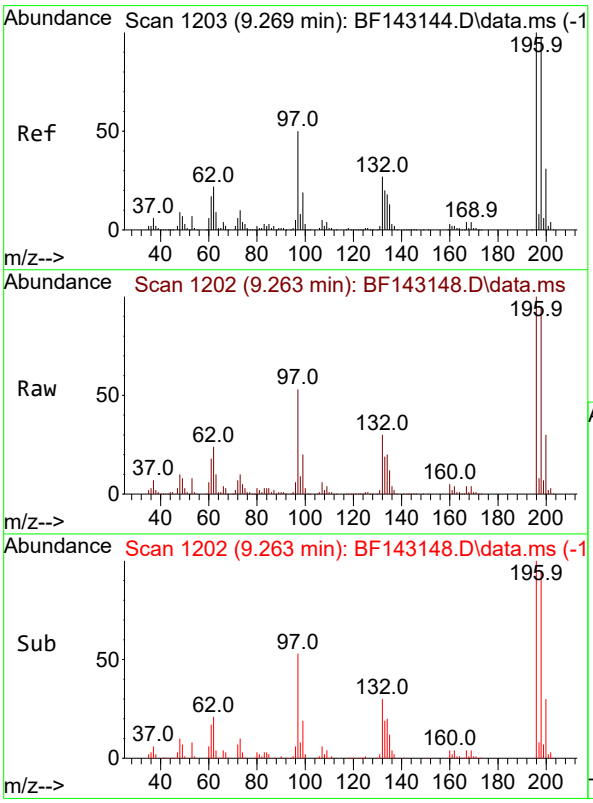
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.2	114.2
200	29.9	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

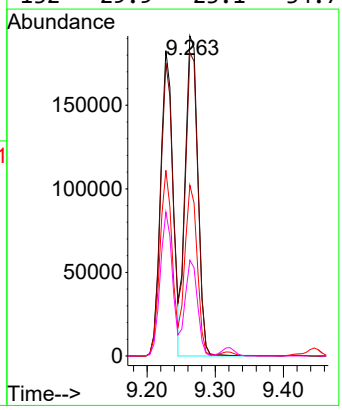
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

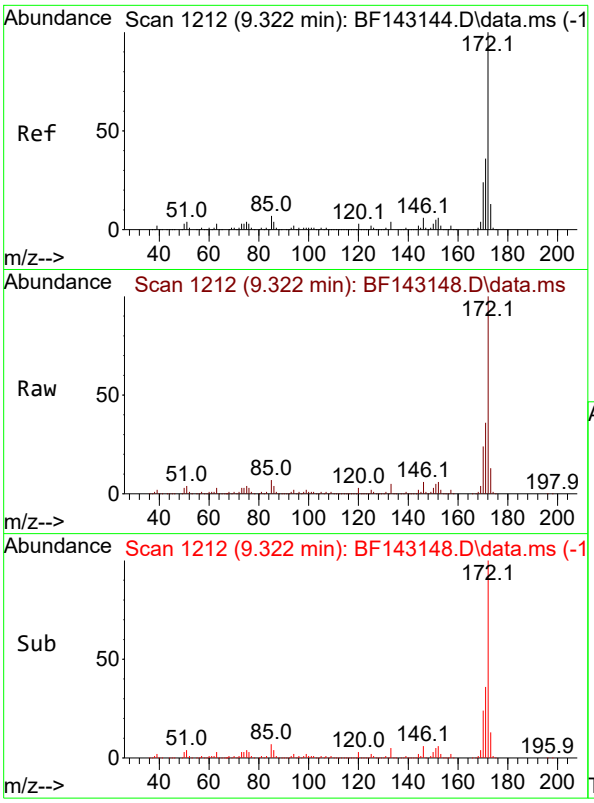


#44
2,4,5-Trichlorophenol
Concen: 42.989 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:196 Resp: 246820

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	53.3	40.3	60.5
132	29.9	23.1	34.7

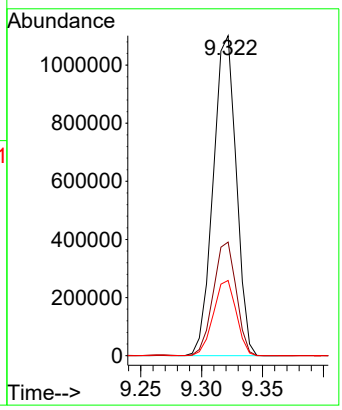




#45
2-Fluorobiphenyl
Concen: 68.992 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:172 Resp: 144909

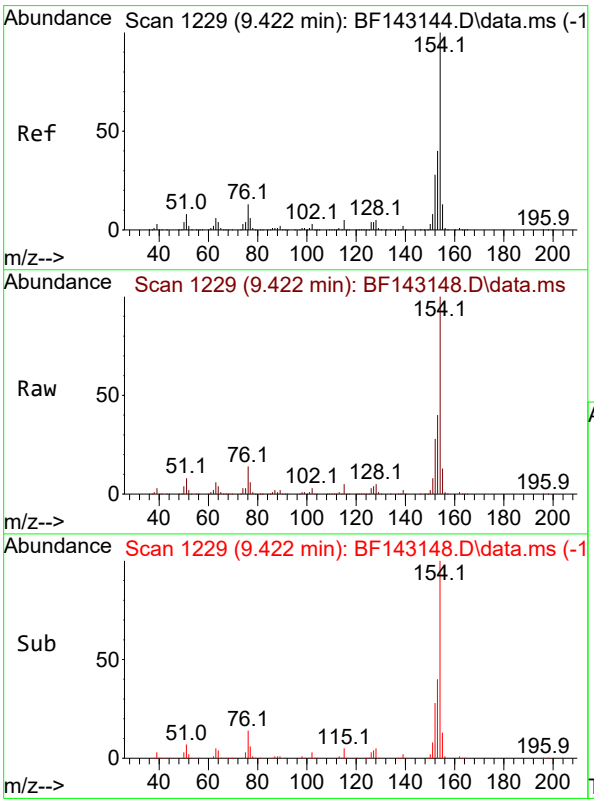
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.5	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

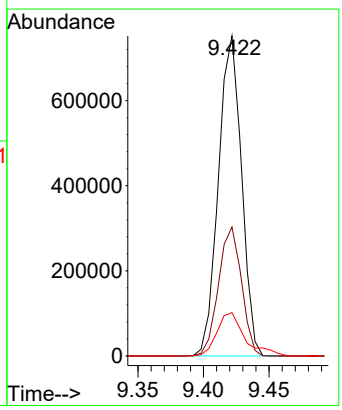
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

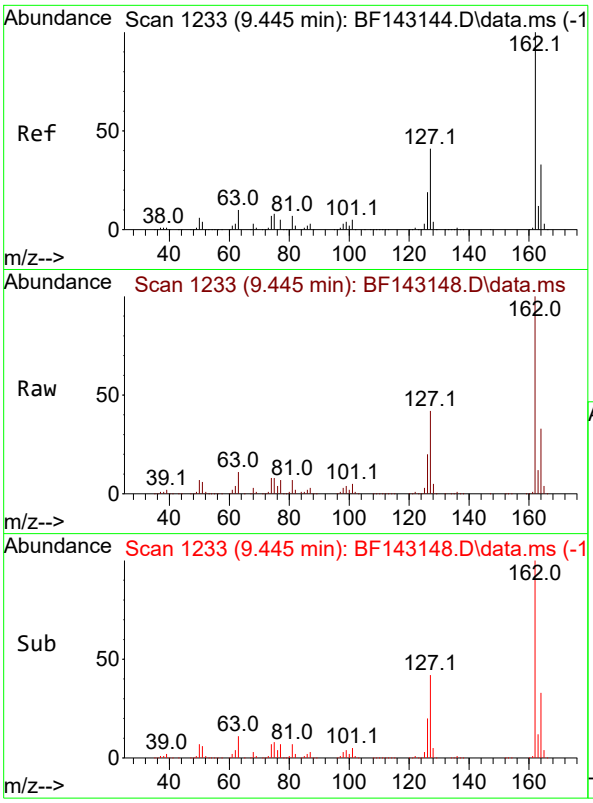


#46
1,1'-Biphenyl
Concen: 41.053 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 920059

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.5	0.0	33.3

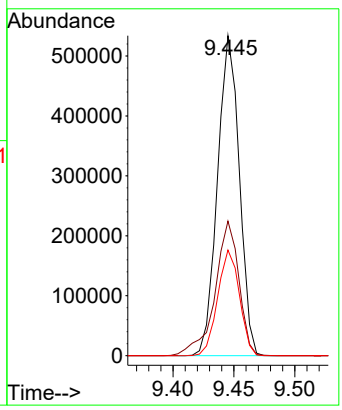




#47
2-Chloronaphthalene
Concen: 40.184 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:162 Resp: 66635

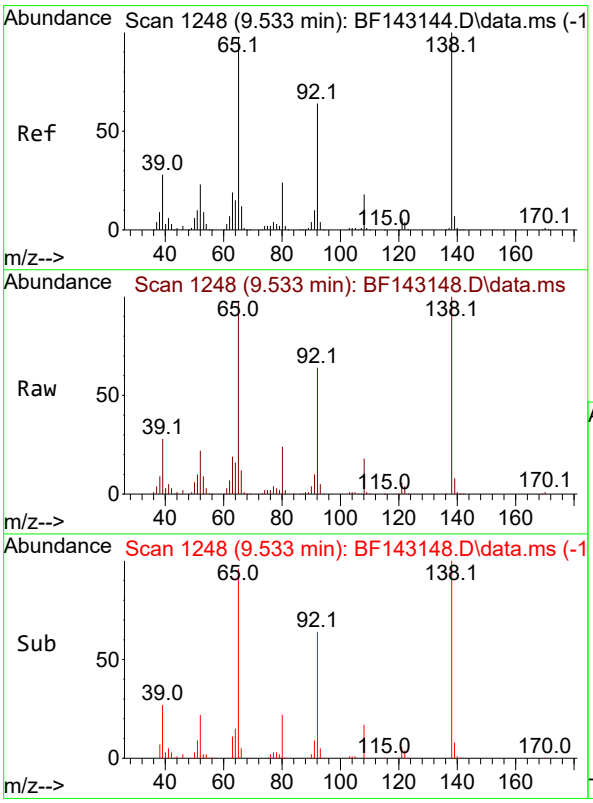
Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.4	50.2
164	33.0	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

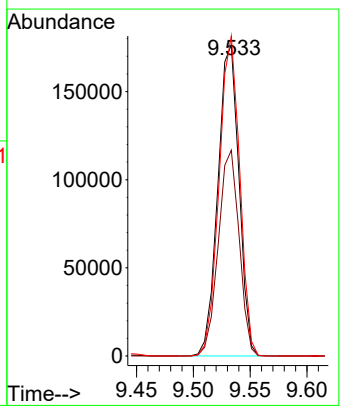
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

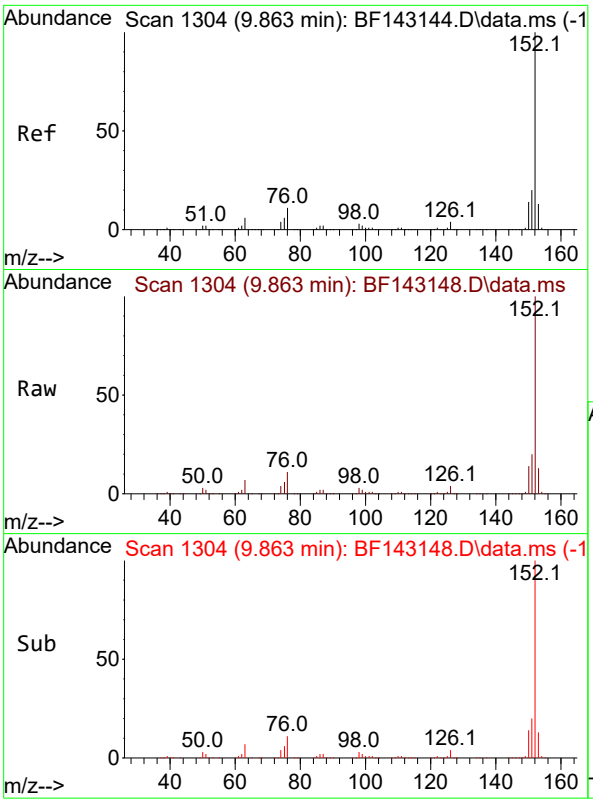


#48
2-Nitroaniline
Concen: 43.723 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 65 Resp: 227376

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.4	78.6
138	102.9	82.3	123.5

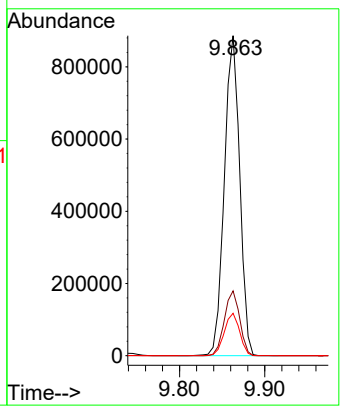




#49
Acenaphthylene
Concen: 40.013 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:152 Resp: 111199

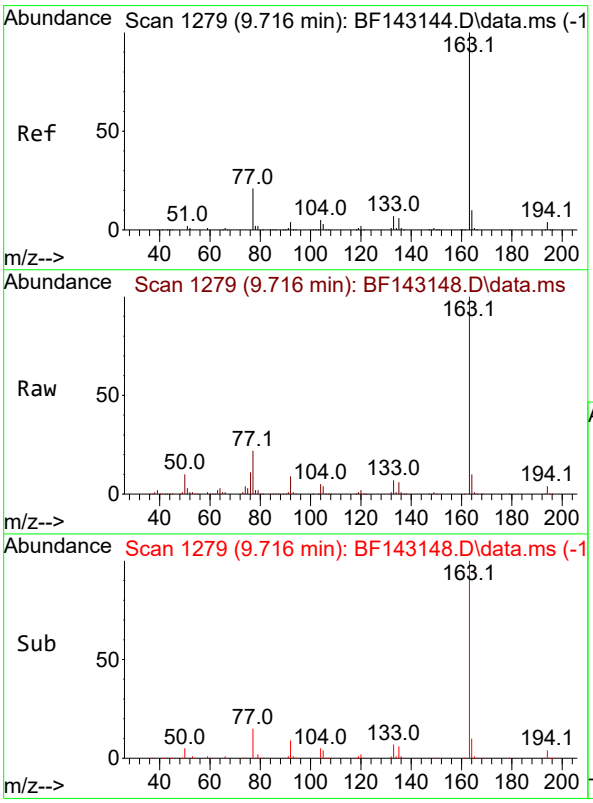
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

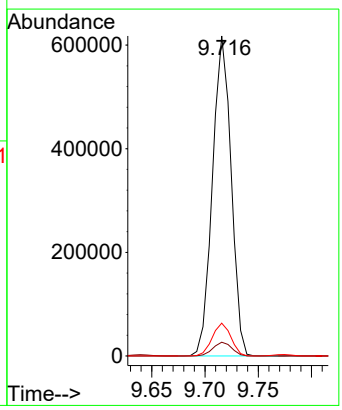
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

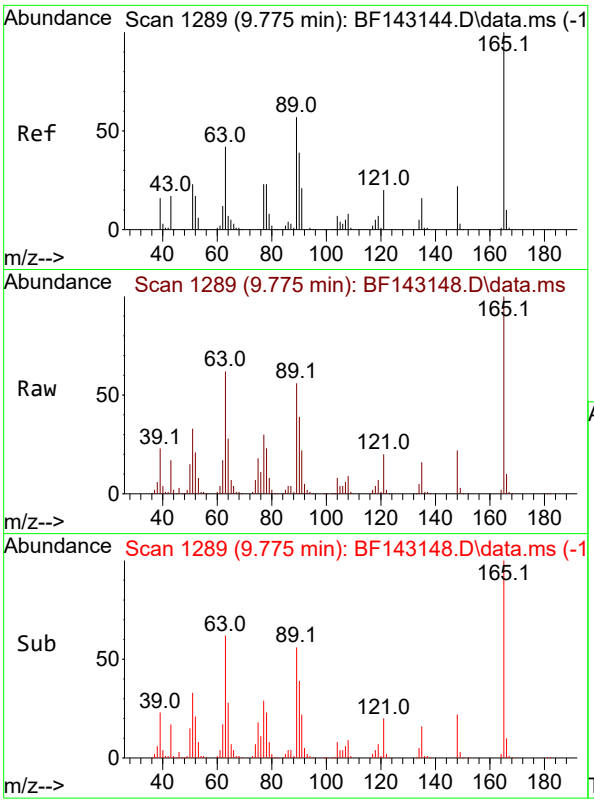


#50
Dimethylphthalate
Concen: 40.218 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:163 Resp: 753041

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 43.820 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

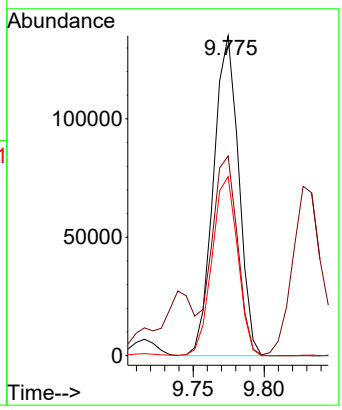
Tgt Ion:165 Resp: 16691

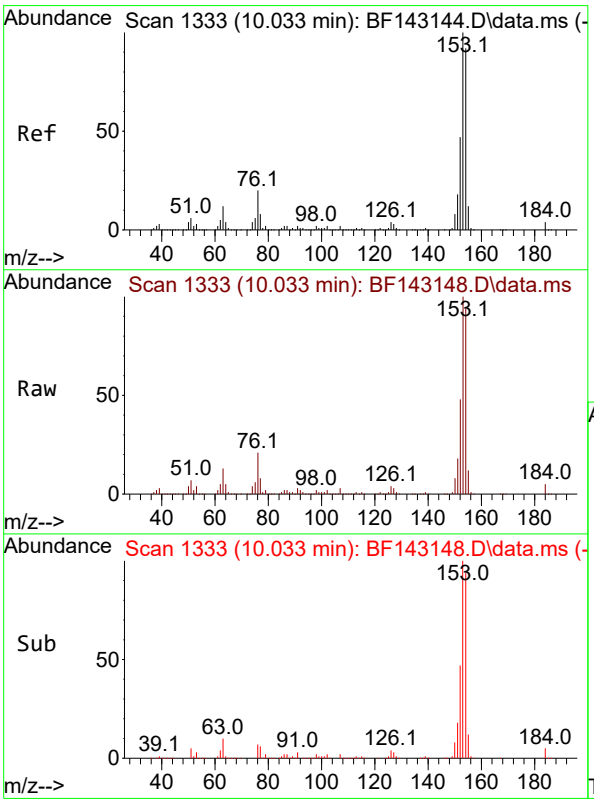
Ion	Ratio	Lower	Upper
165	100		
63	62.4	49.4	74.2
89	56.0	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

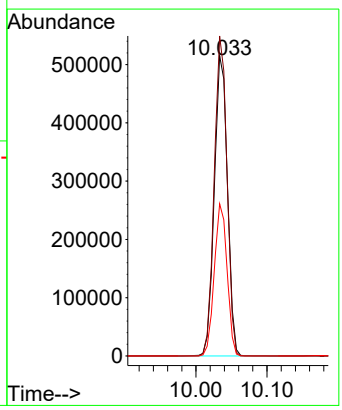


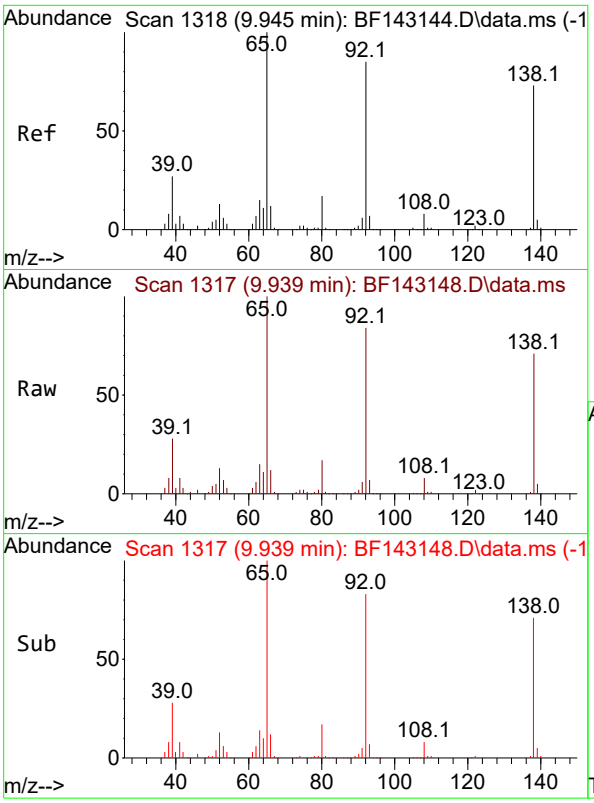


#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 659908

Ion	Ratio	Lower	Upper
154	100		
153	106.6	86.6	129.8
152	50.7	40.4	60.6

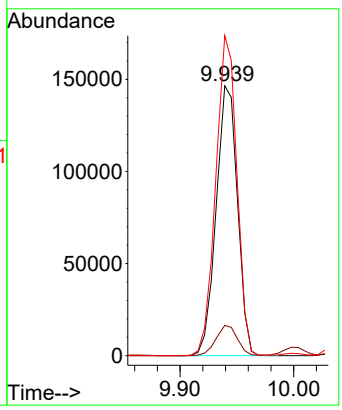




#53
3-Nitroaniline
Concen: 42.985 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:138 Resp: 19151

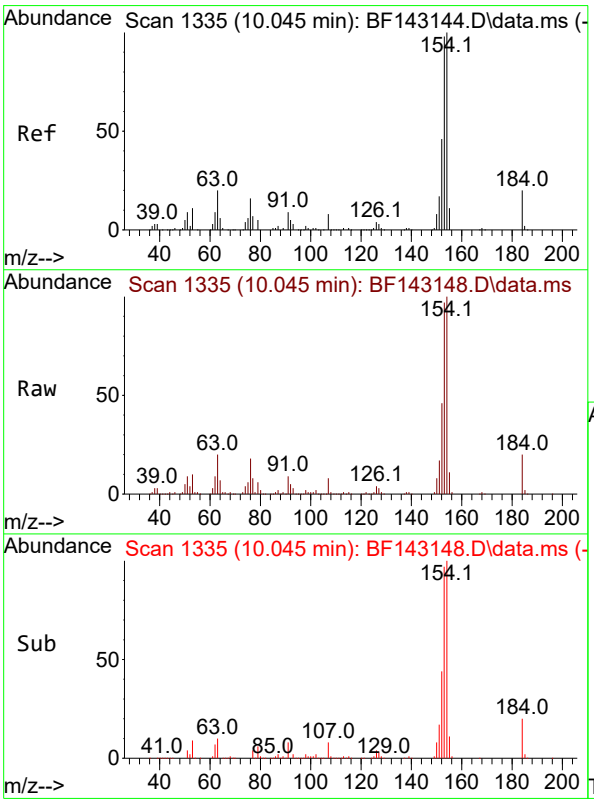
Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.6
92	118.6	93.0	139.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

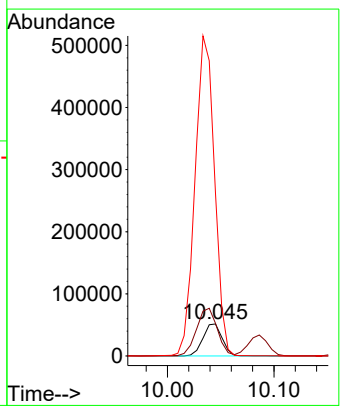
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

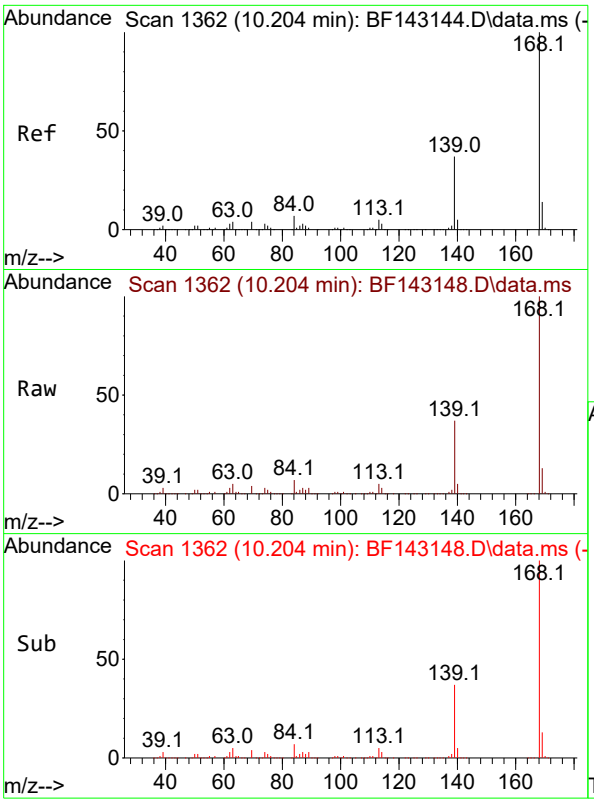


#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:184 Resp: 64659

Ion	Ratio	Lower	Upper
184	100		
63	102.3	81.8	122.6
154	509.4	412.2	618.4

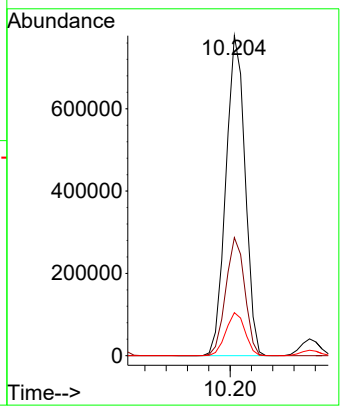




#55
Dibenzofuran
Concen: 39.981 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:168 Resp: 97499

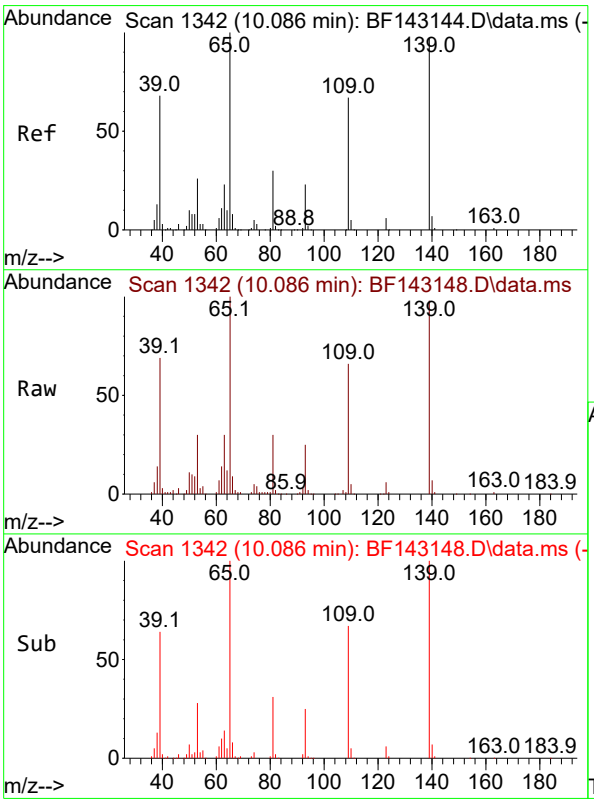
Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

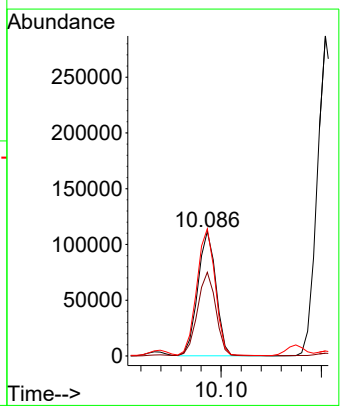
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

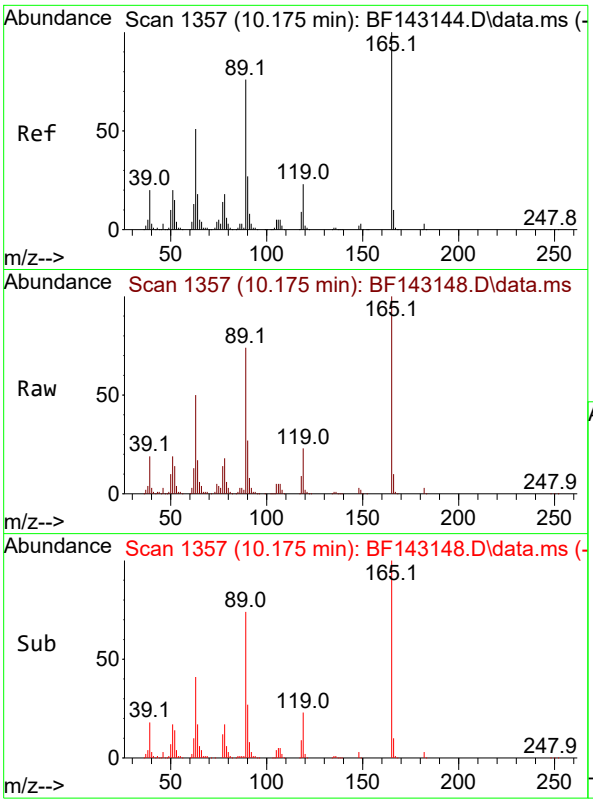


#56
4-Nitrophenol
Concen: 42.344 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 140876

Ion	Ratio	Lower	Upper
139	100		
109	67.2	48.5	88.5
65	102.1	83.4	123.4

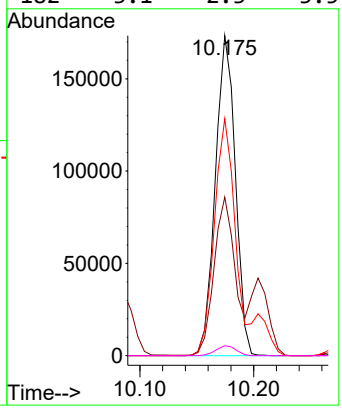




#57
2,4-Dinitrotoluene
Concen: 44.440 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:165 Resp: 21236

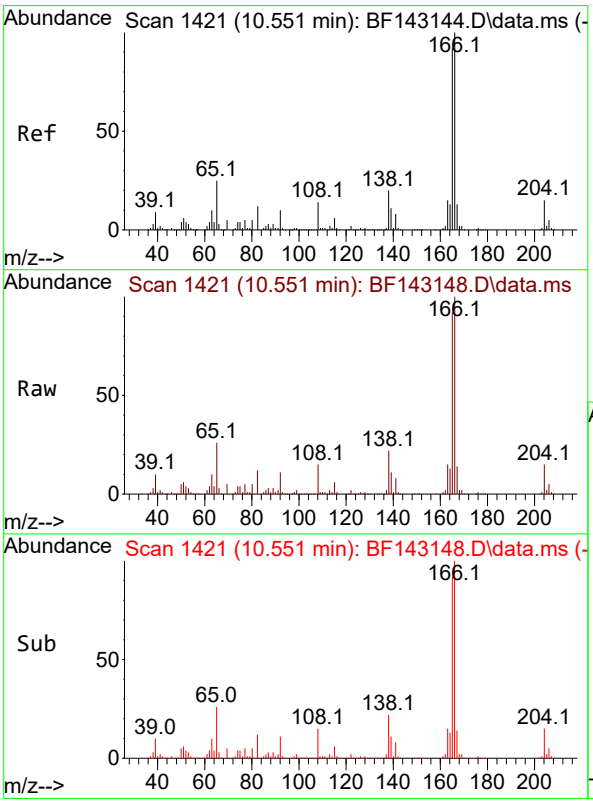
Ion	Ratio	Lower	Upper
165	100		
63	49.5	41.0	61.4
89	74.0	61.1	91.7
182	3.1	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

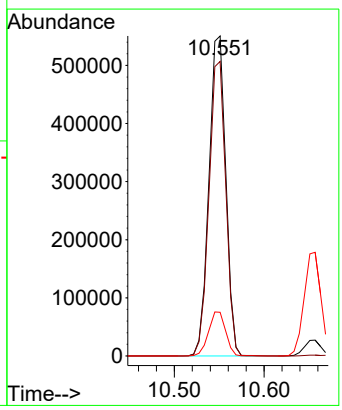
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

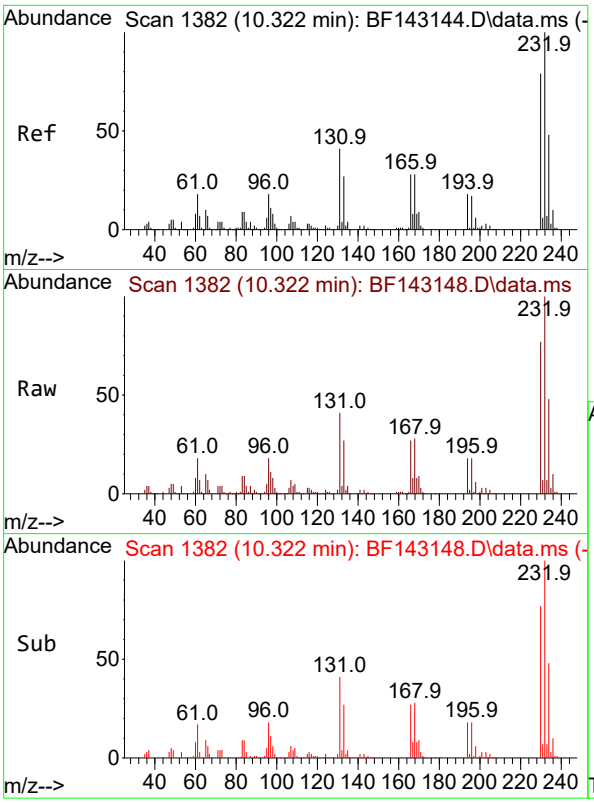


#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:166 Resp: 717816

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.7	10.6	16.0

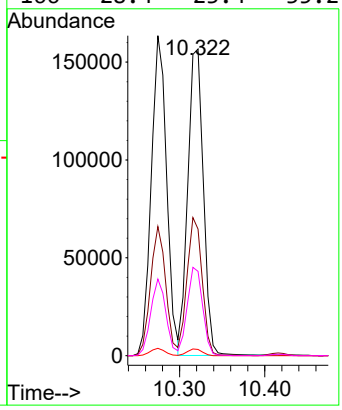




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.743 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:232 Resp: 19853

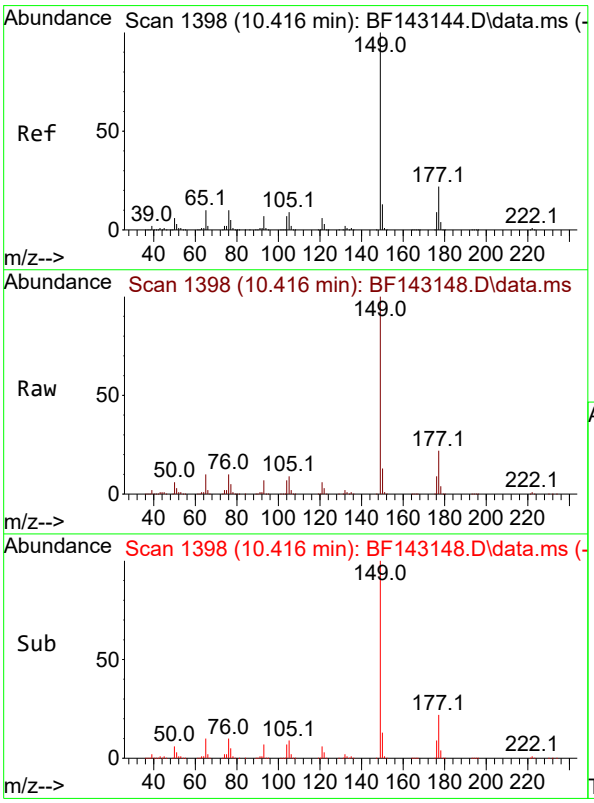
Ion	Ratio	Lower	Upper
232	100		
131	43.9	35.3	52.9
130	2.1	1.7	2.5
166	28.4	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

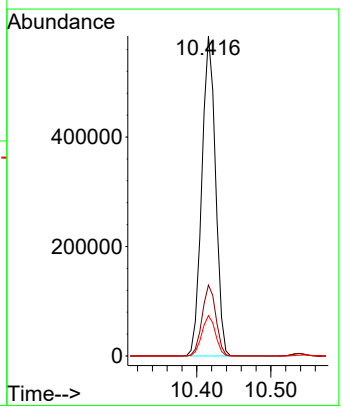
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

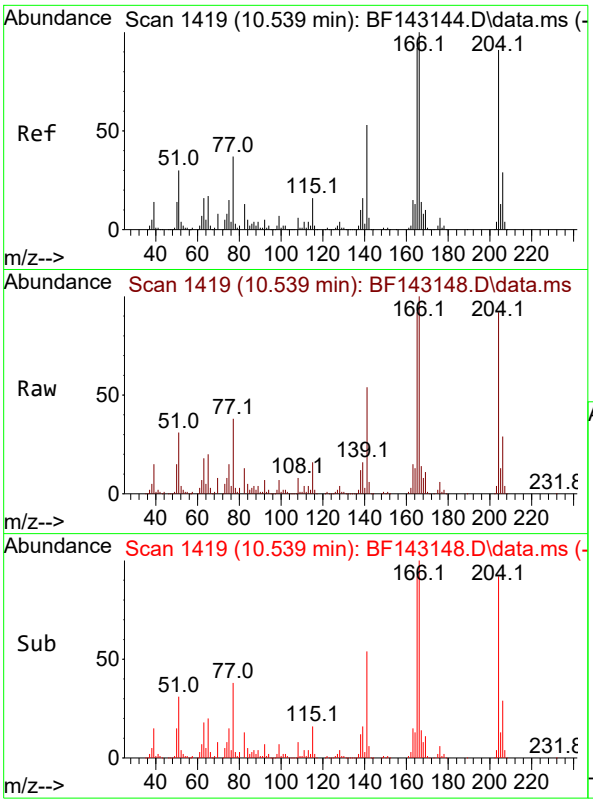


#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 753774

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.6	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 40.377 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

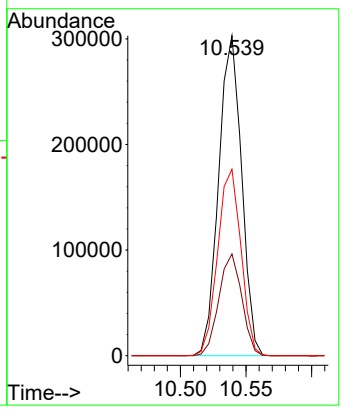
Tgt Ion:204 Resp: 36798

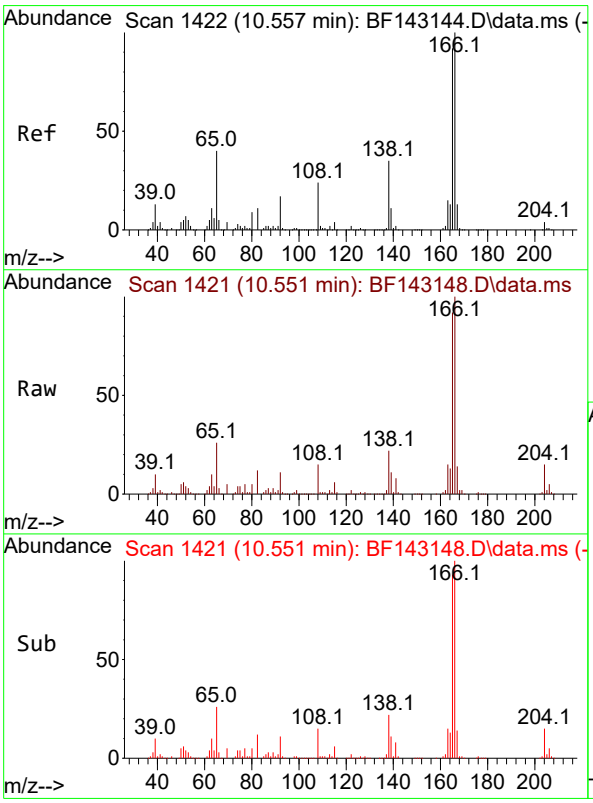
Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.8
141	58.3	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

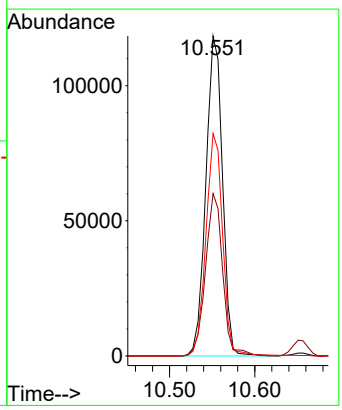


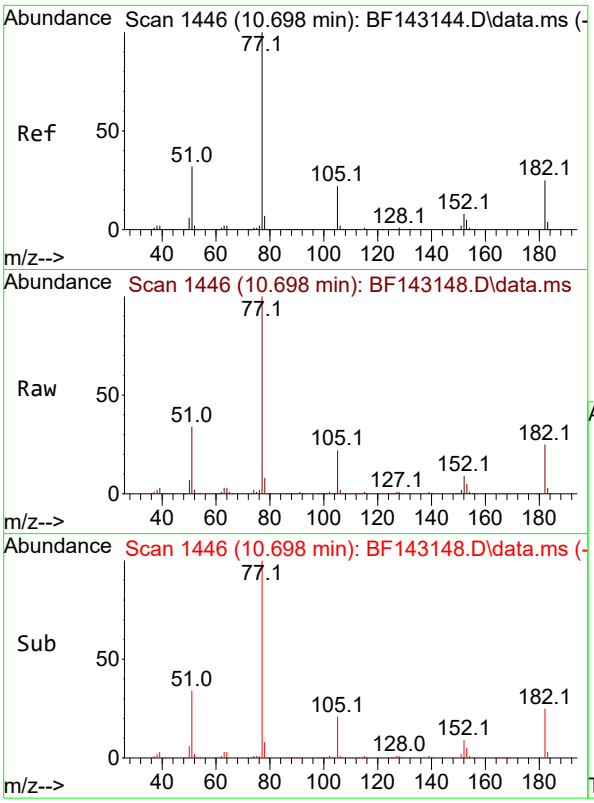


#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:138 Resp: 160193

Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.3	69.3
108	69.5	48.3	88.3

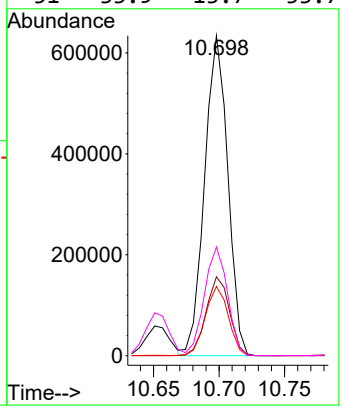




#63
Azobenzene
Concen: 40.414 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 77 Resp: 77952

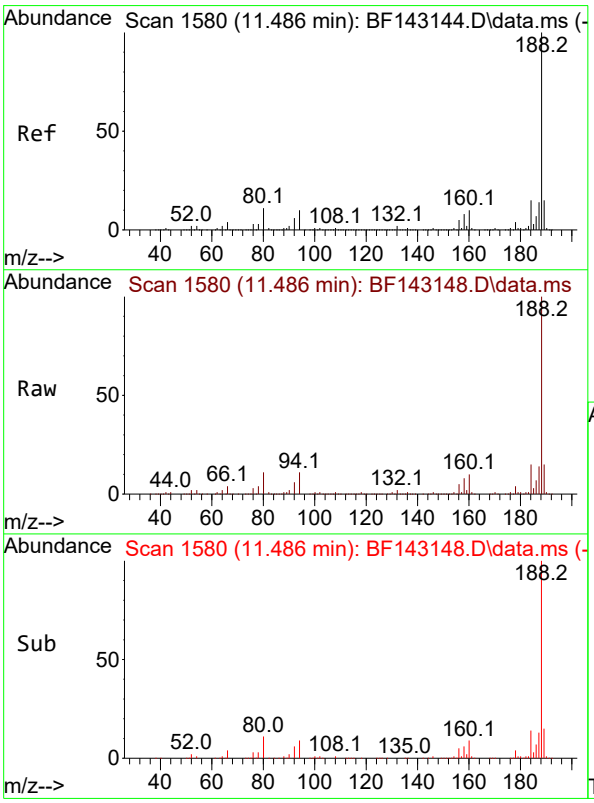
Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.6	1.4	41.4
51	33.9	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

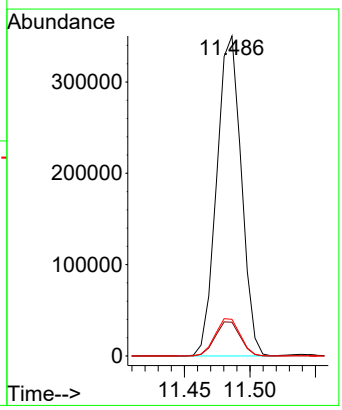
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

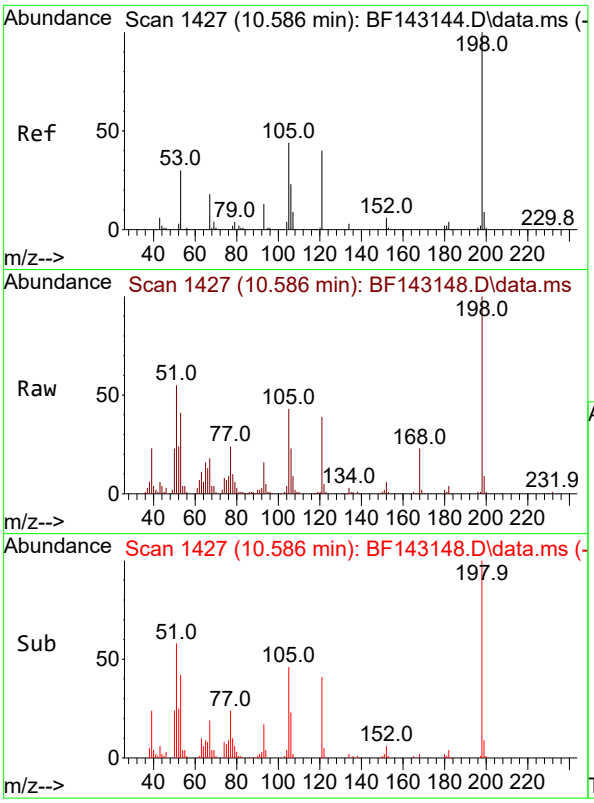


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:188 Resp: 457098

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.4	9.0	13.6

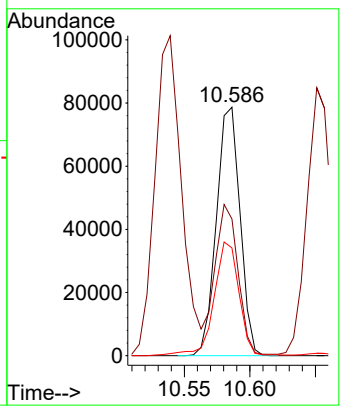




#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:198 Resp: 9846

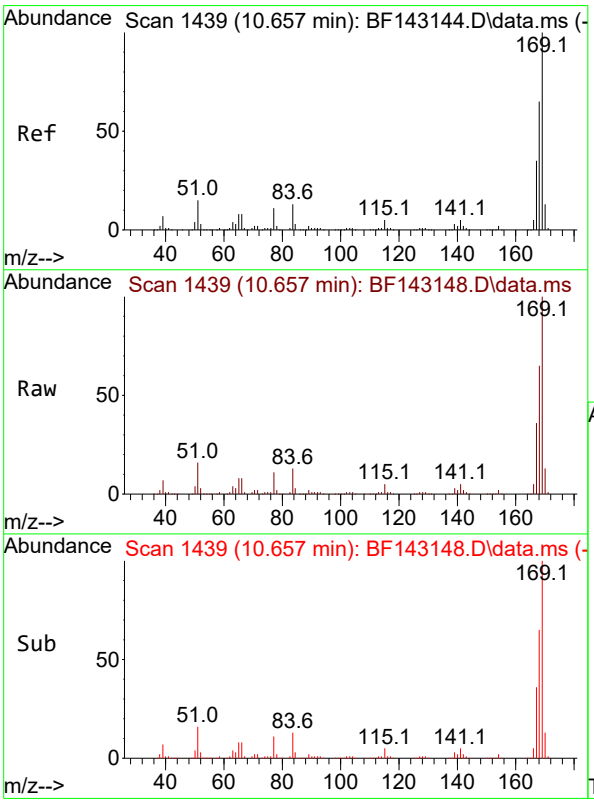
Ion	Ratio	Lower	Upper
198	100		
51	55.0	37.2	77.2
105	43.3	24.8	64.8



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

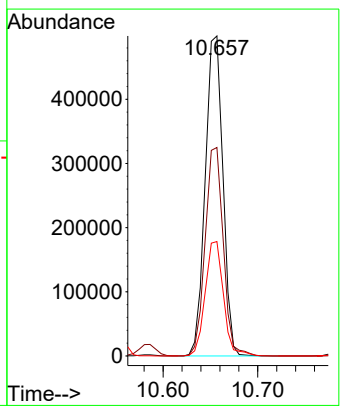
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

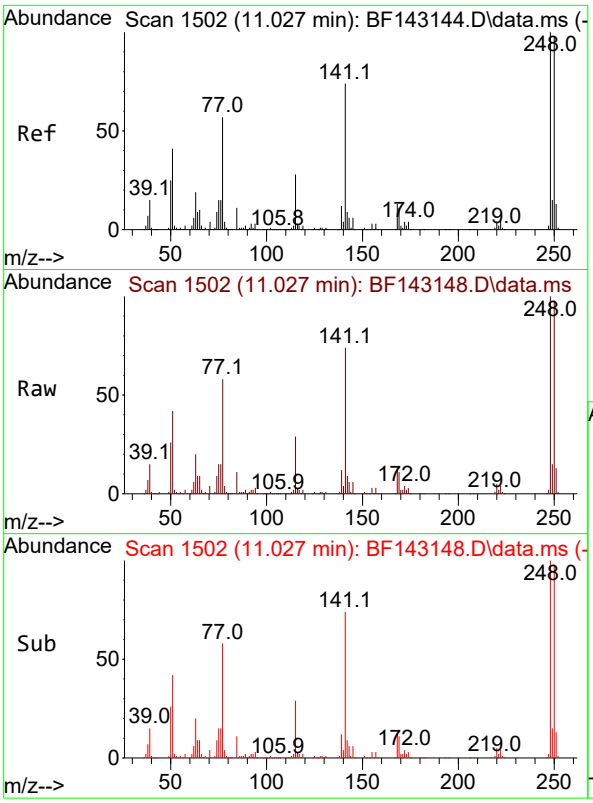


#66
n-Nitrosodiphenylamine
Concen: 40.250 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:169 Resp: 647855

Ion	Ratio	Lower	Upper
169	100		
168	65.2	52.1	78.1
167	35.8	28.2	42.2

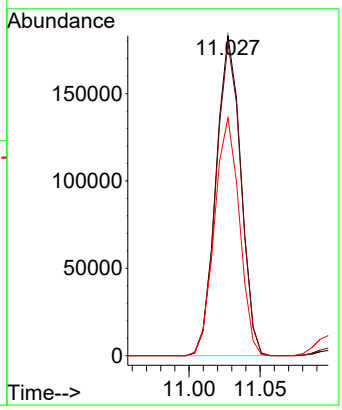




#67
4-Bromophenyl-phenylether
Concen: 40.828 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:248 Resp: 22240

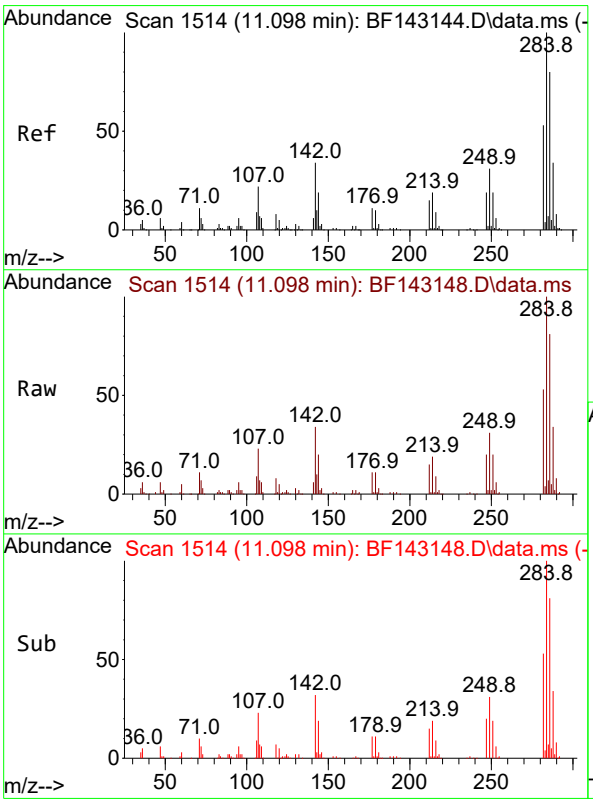
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.3	117.5
141	74.3	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

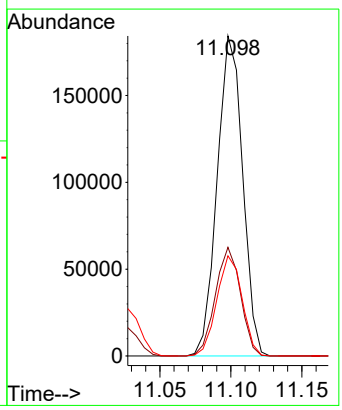
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

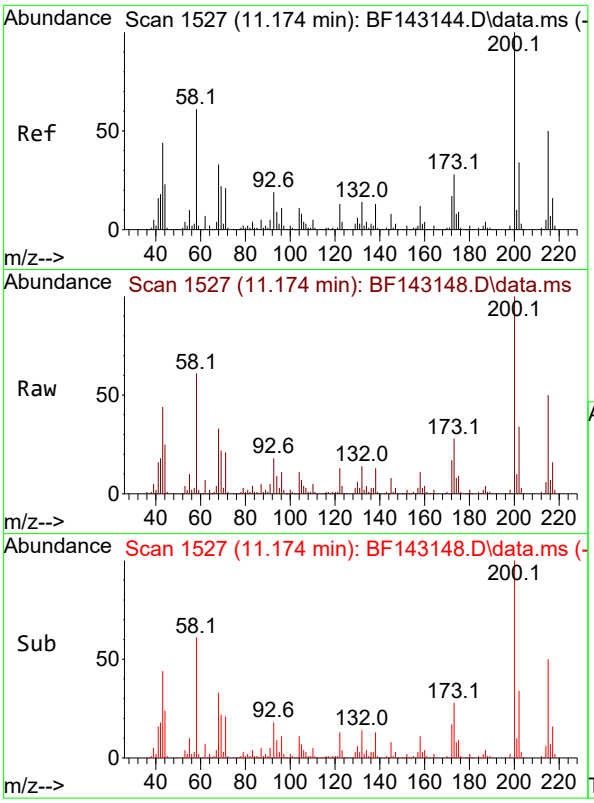


#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:284 Resp: 229272

Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.0	40.6
249	31.3	25.0	37.6

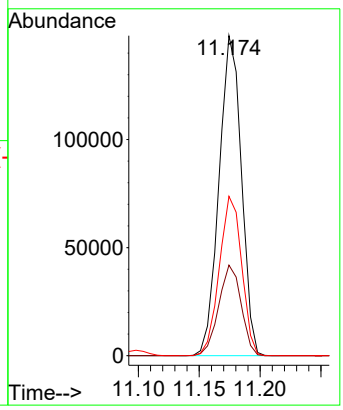




#69
Atrazine
Concen: 42.615 ng
RT: 11.174 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:200 Resp: 18910

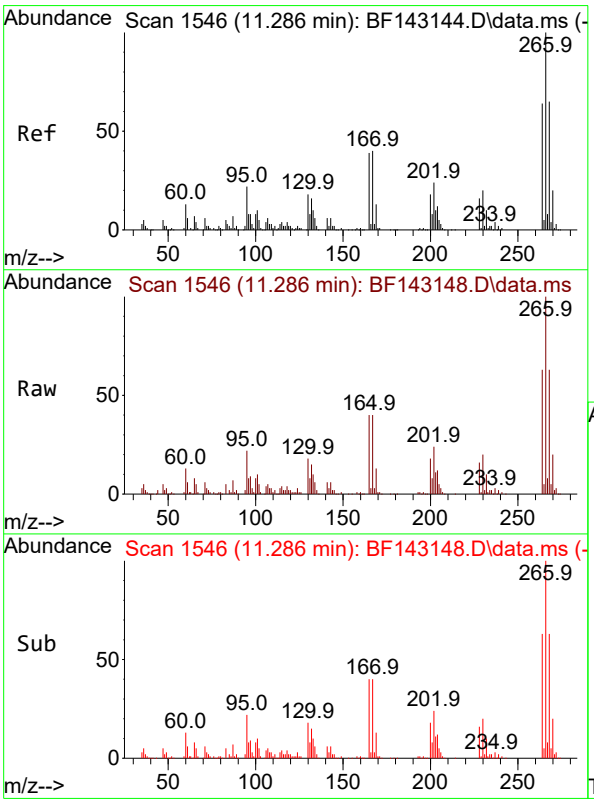
Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.8	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

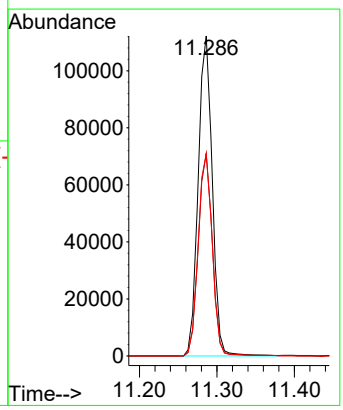
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

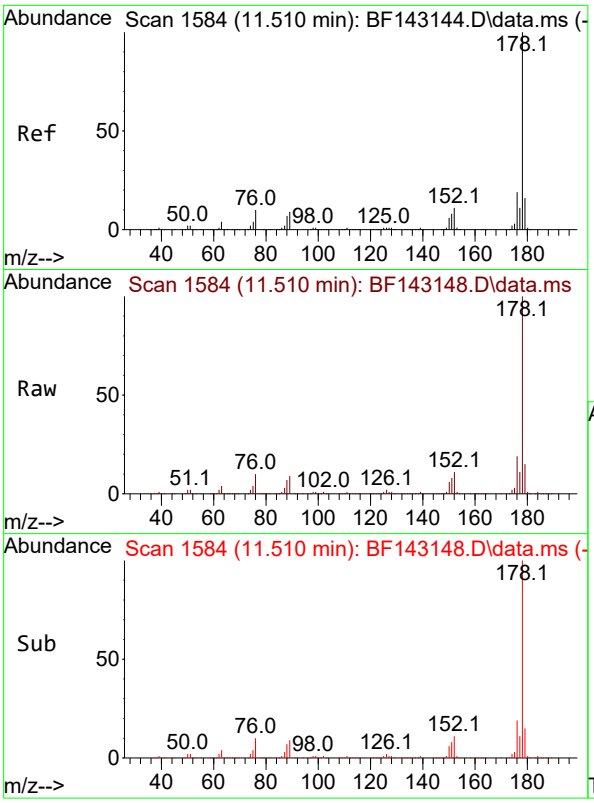


#70
Pentachlorophenol
Concen: 42.292 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:266 Resp: 141608

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.9	77.9
264	63.3	51.0	76.6

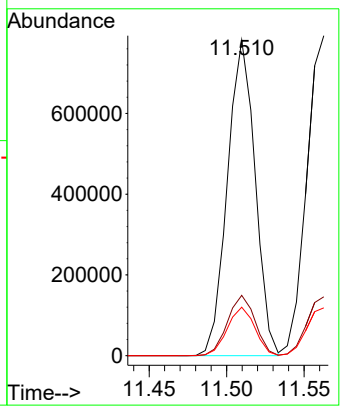




#71
Phenanthrene
Concen: 40.026 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:178 Resp: 97144

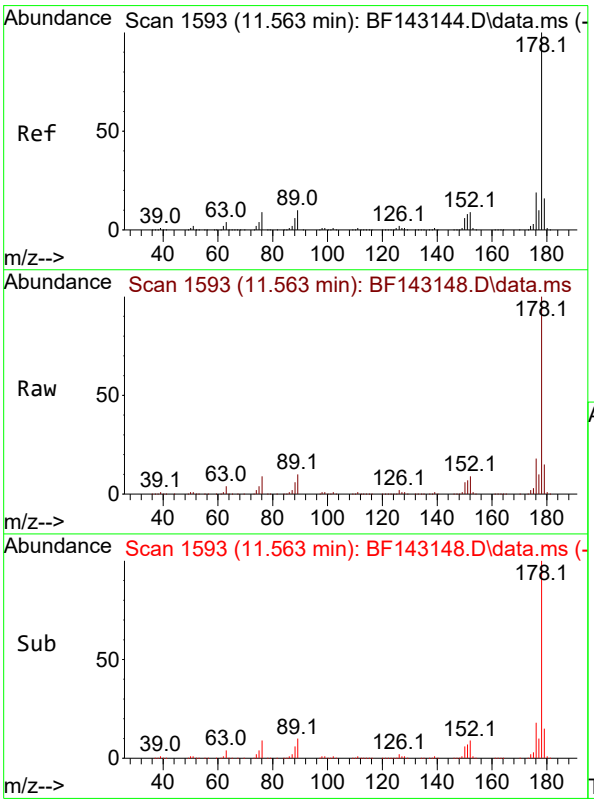
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

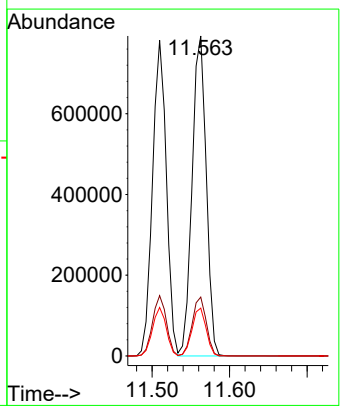
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

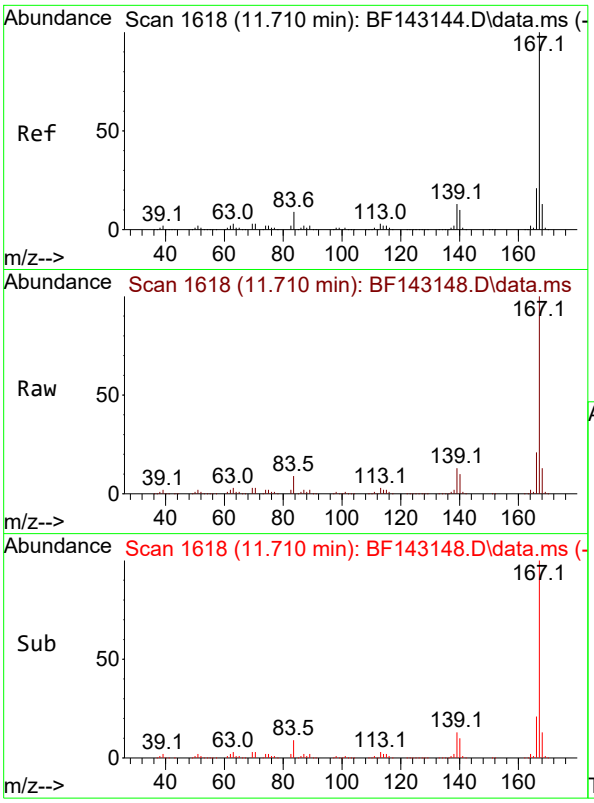


#72
Anthracene
Concen: 40.557 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:178 Resp: 1003925

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.0	12.5	18.7

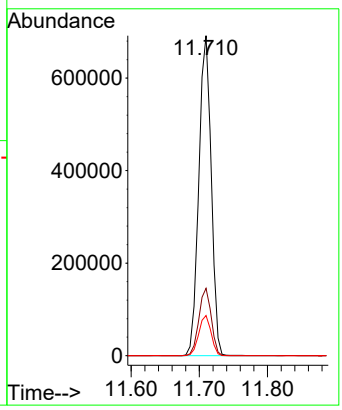




#73
Carbazole
Concen: 40.476 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:167 Resp: 87486

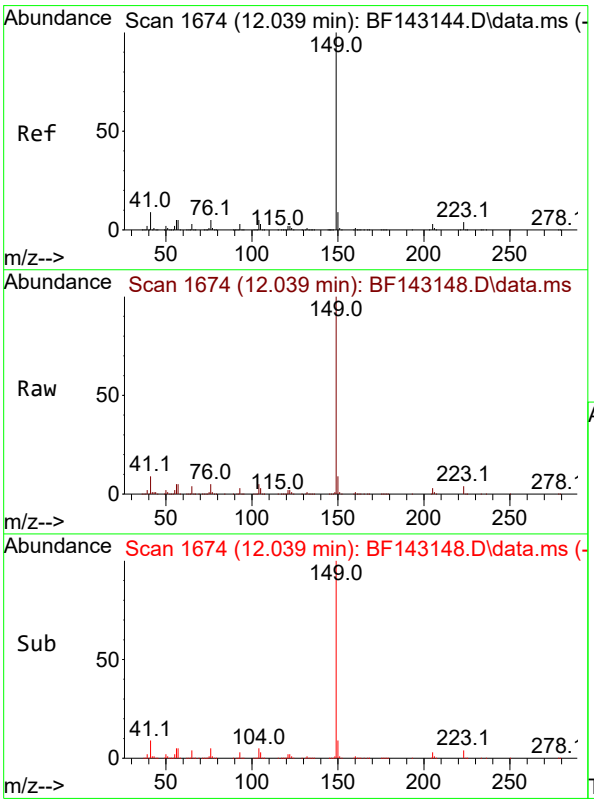
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.5	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

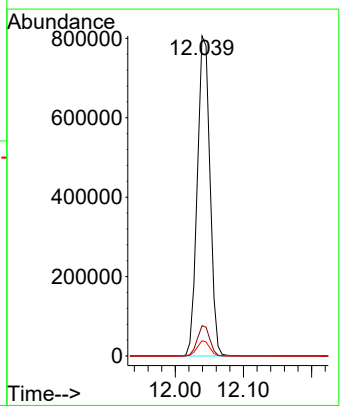
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

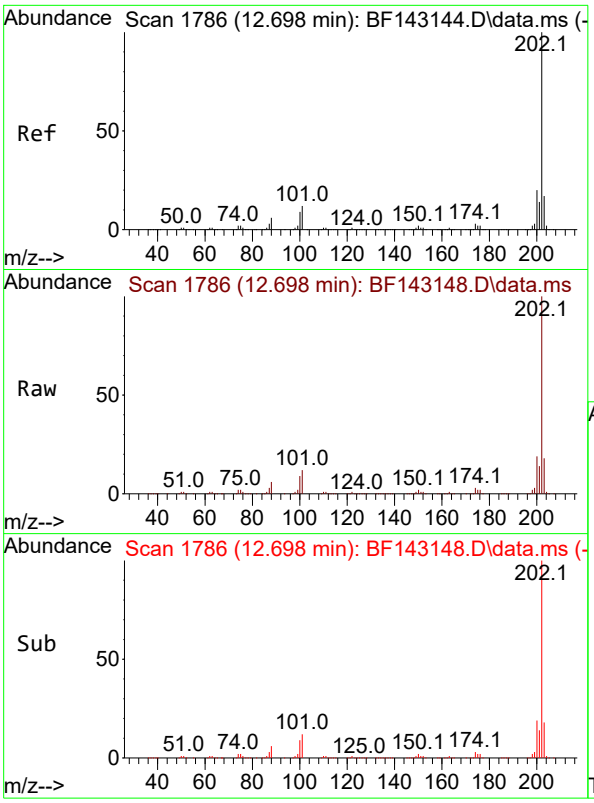


#74
Di-n-butylphthalate
Concen: 42.330 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 1035244

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.7	3.8	5.8

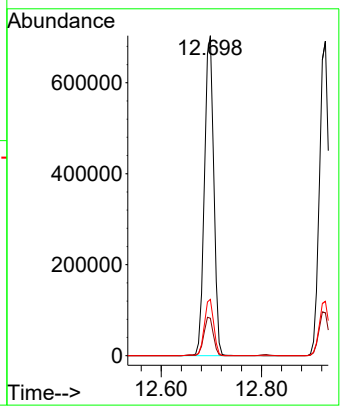




#75
Fluoranthene
Concen: 40.836 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:202 Resp: 90971

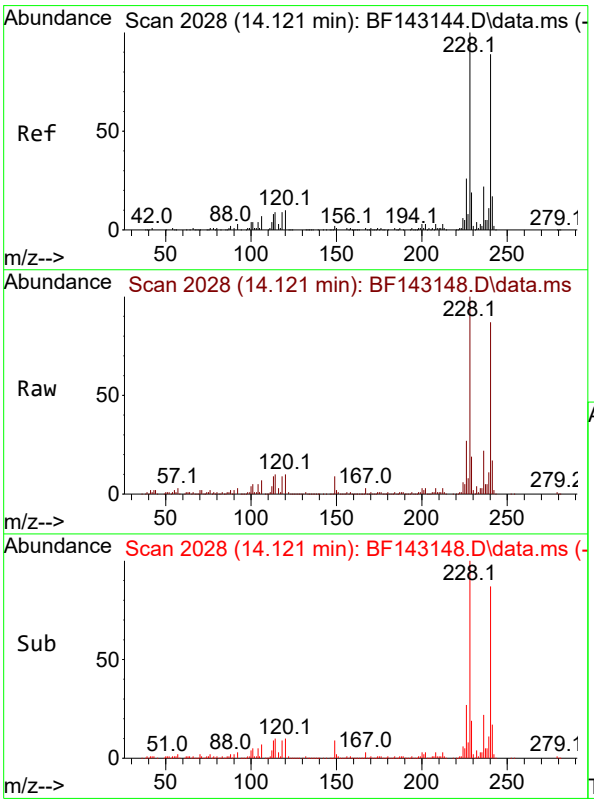
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.6	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

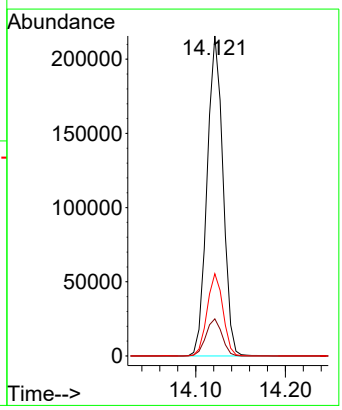
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

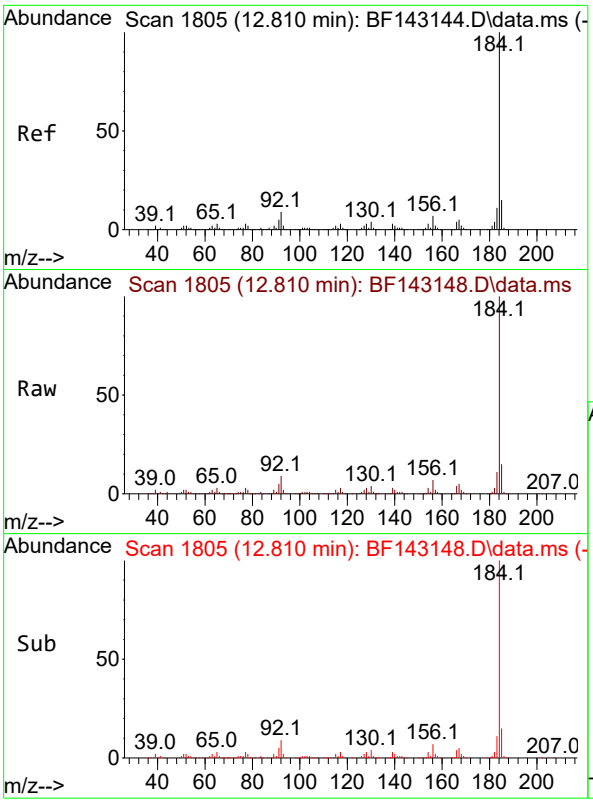


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:240 Resp: 265008

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.4	14.2
236	25.7	20.2	30.4

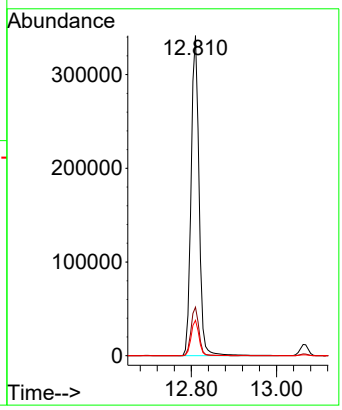




#77
Benzidine
Concen: 43.239 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:184 Resp: 44147

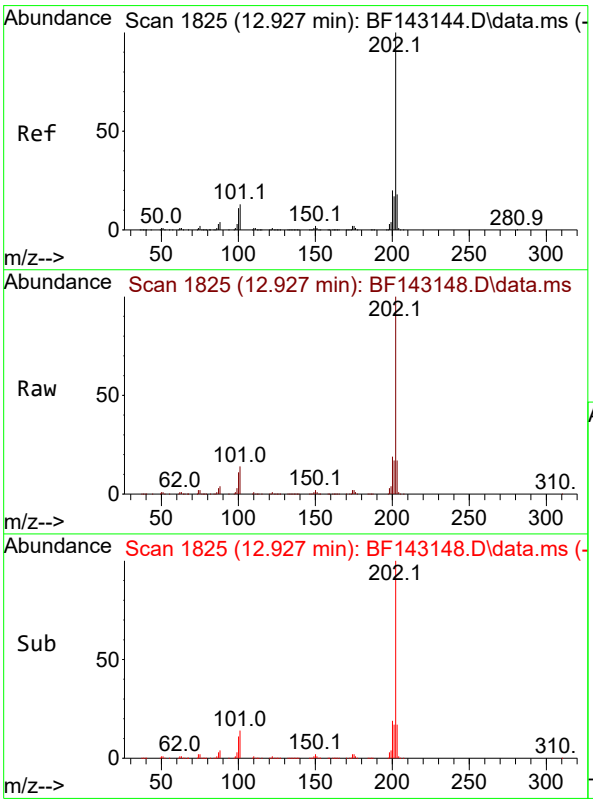
Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.4
183	11.1	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

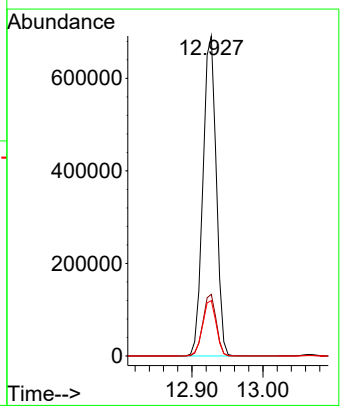
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

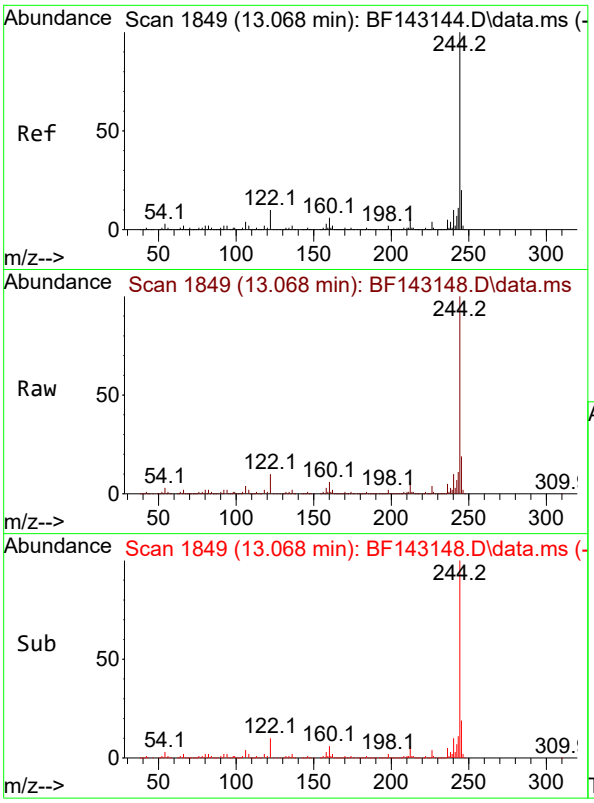


#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:202 Resp: 902771

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.7	23.5
203	17.3	14.2	21.2

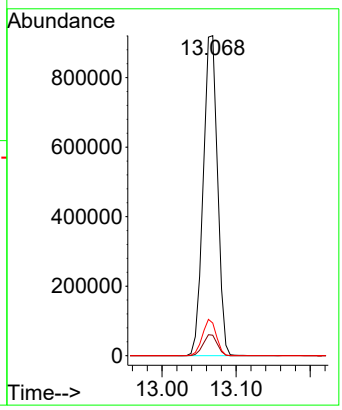




#79
Terphenyl-d14
Concen: 69.333 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:244 Resp: 123470

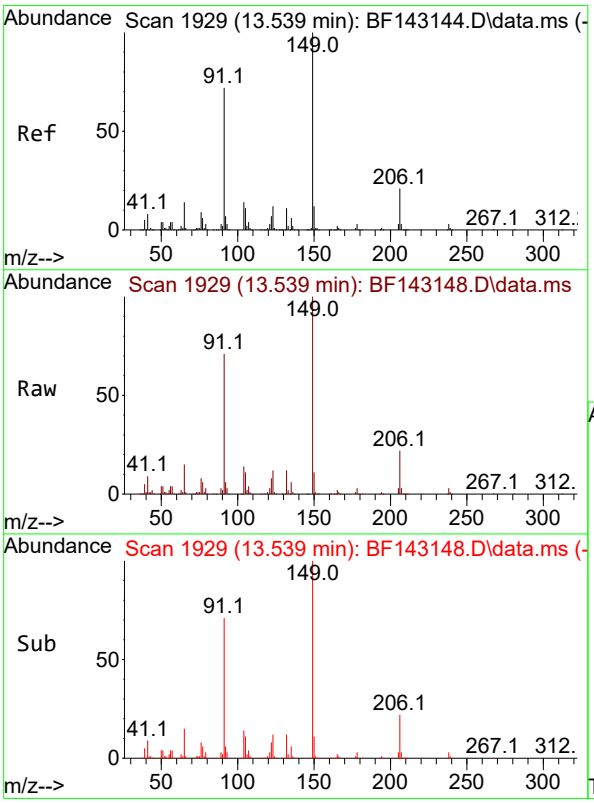
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.2	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

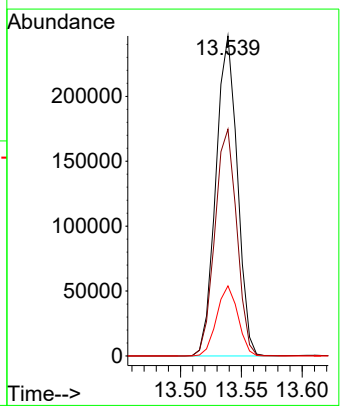
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

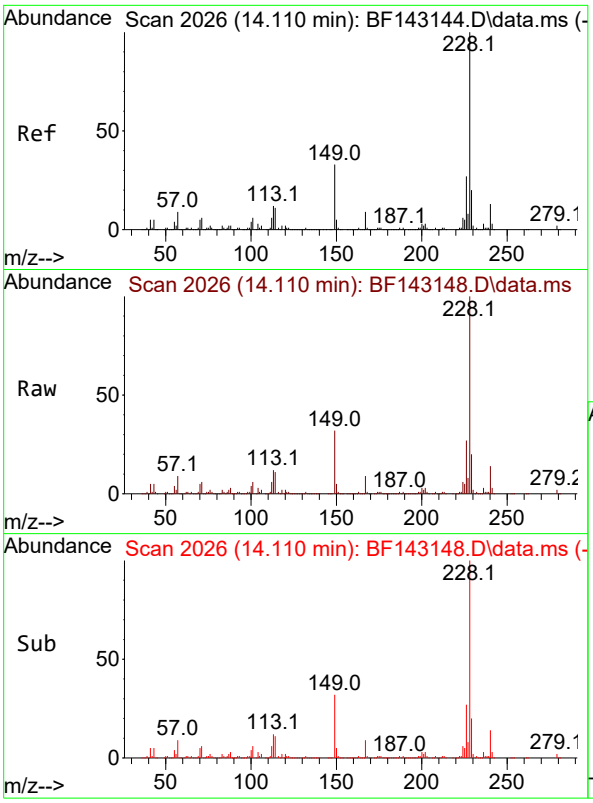


#80
Butylbenzylphthalate
Concen: 43.827 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 303528

Ion	Ratio	Lower	Upper
149	100		
91	70.9	57.9	86.9
206	21.9	17.0	25.4

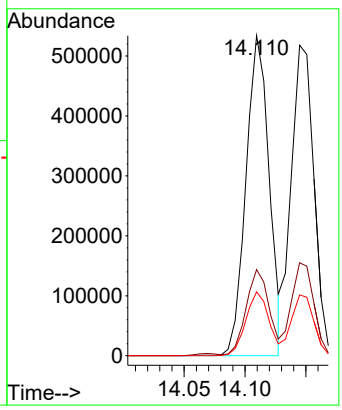




#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:228 Resp: 70879

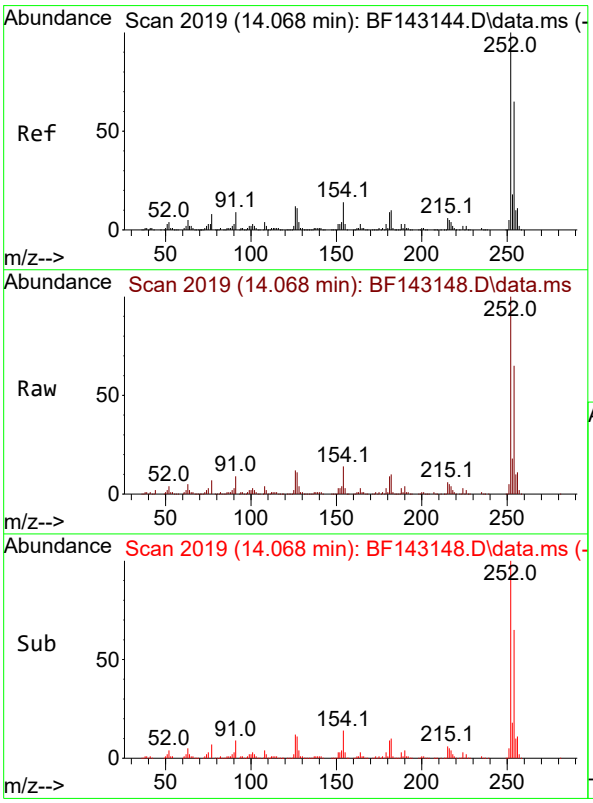
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	20.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

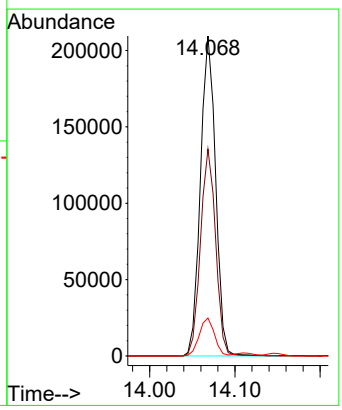
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

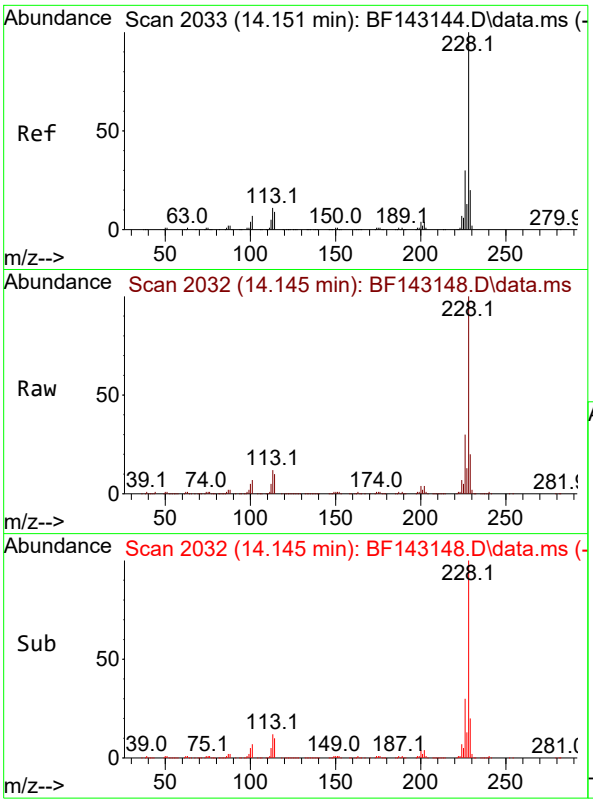


#82
3,3'-Dichlorobenzidine
Concen: 43.772 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 258837

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.9	9.4	14.0

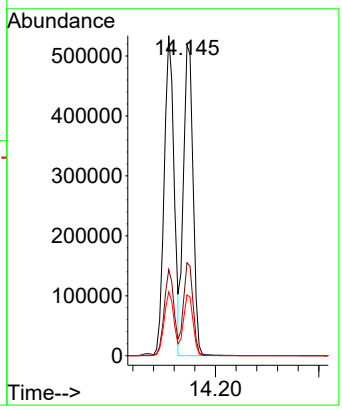




#83
Chrysene
Concen: 42.233 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:228 Resp: 67370

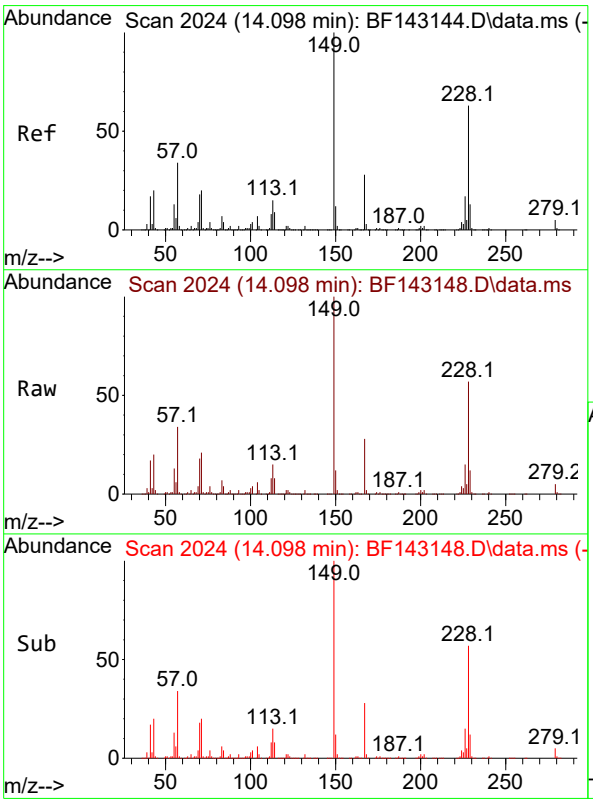
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

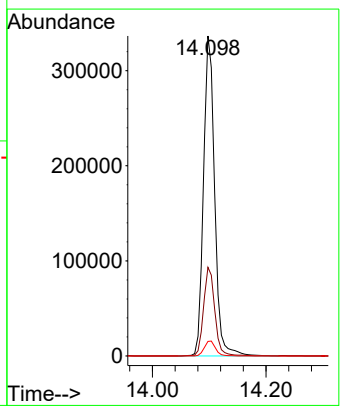
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

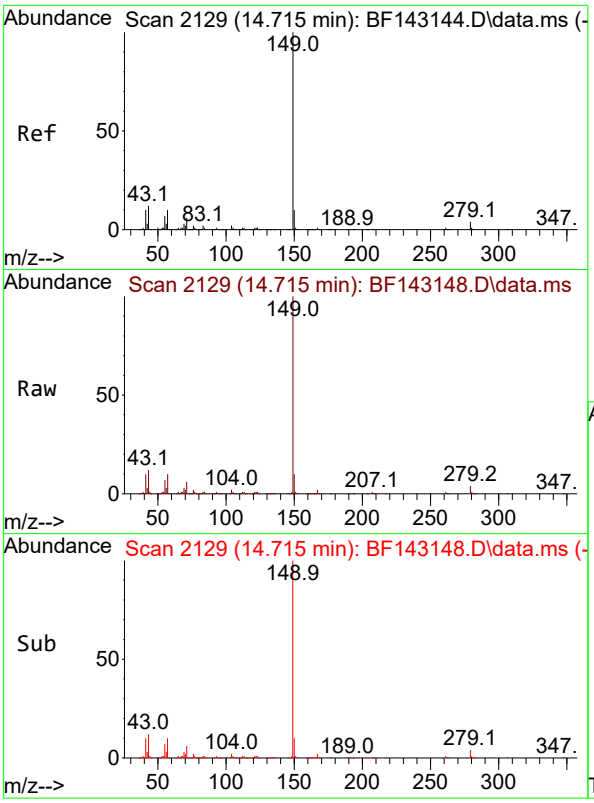


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.578 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 456811

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.6	3.6	5.4

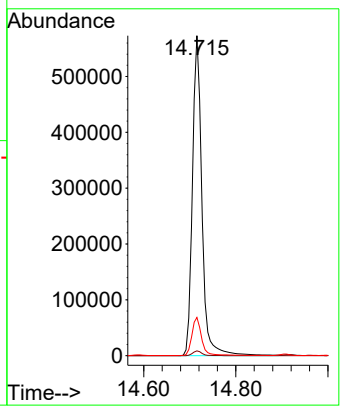




#85
Di-n-octyl phthalate
Concen: 43.077 ng
RT: 14.715 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 81851

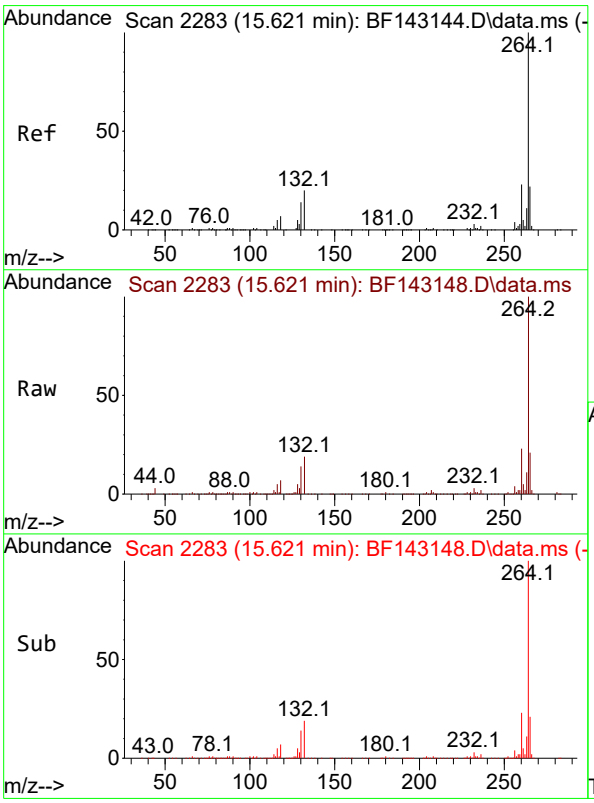
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.2	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

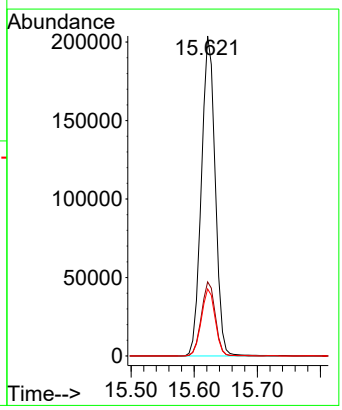
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

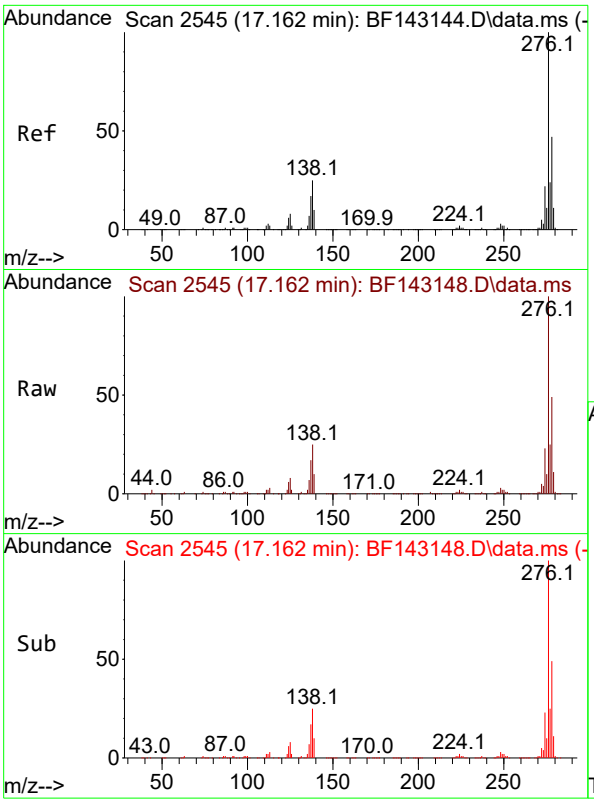


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:264 Resp: 310192

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	20.9	17.4	26.2

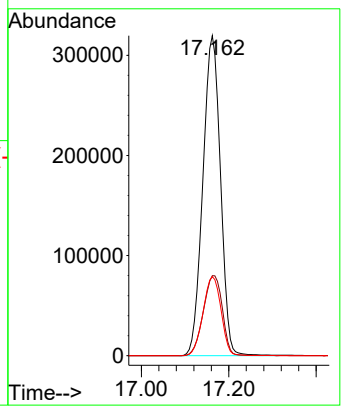




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.983 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:276 Resp: 89640

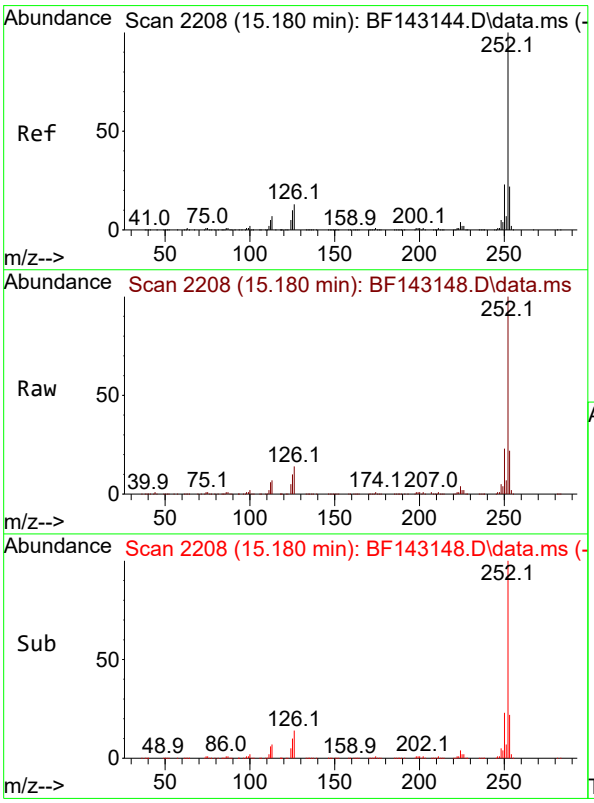
Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.2	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

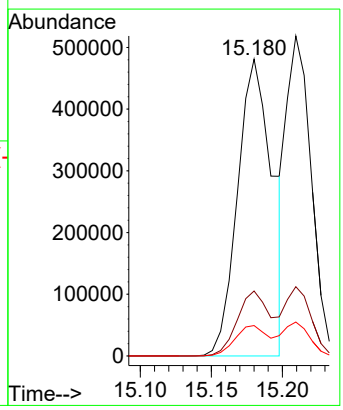
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

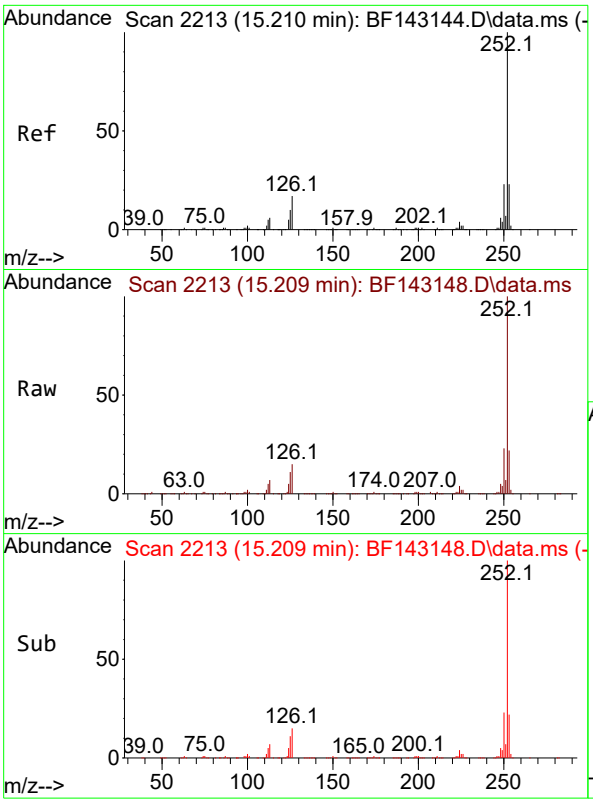


#88
Benzo(b)fluoranthene
Concen: 43.278 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 820119

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.3	8.0	12.0

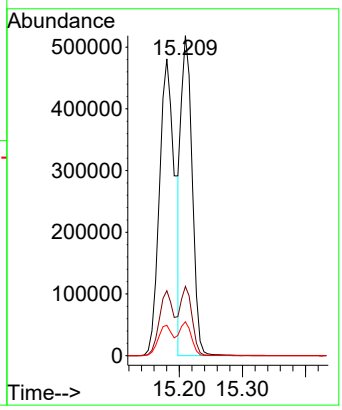




#89
Benzo(k)fluoranthene
Concen: 37.531 ng
RT: 15.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 63464

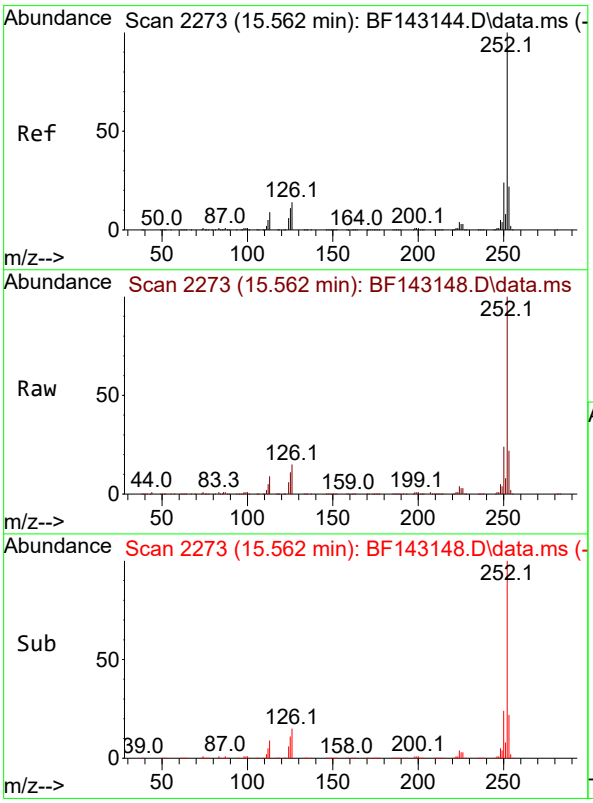
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

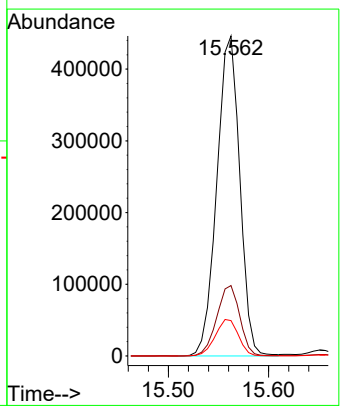
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

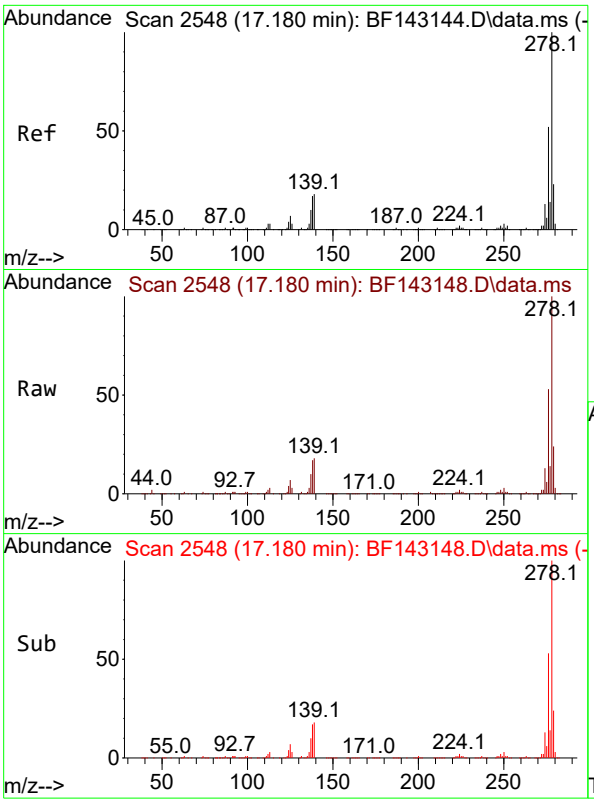


#90
Benzo(a)pyrene
Concen: 40.594 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 708756

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.1	8.6	13.0

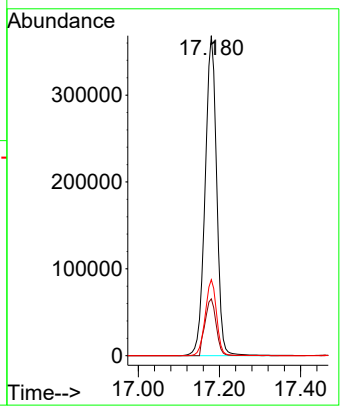




#91
Dibenzo(a,h)anthracene
Concen: 40.710 ng
RT: 17.180 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:278 Resp: 72475

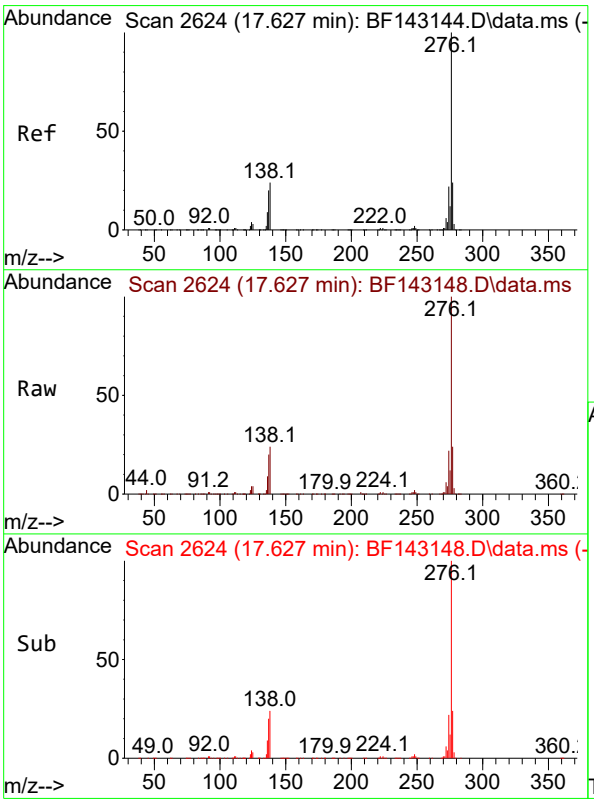
Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.1	21.1
279	23.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

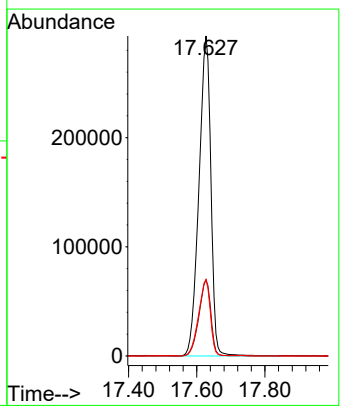
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 41.394 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:276 Resp: 712864

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	23.9	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	86	0.00
2		1,4-Dioxane	0.598	0.576	3.7	83	-0.03
3		Pyridine	1.552	1.576	-1.5	89	-0.02
4		n-Nitrosodimethylamine	0.801	0.817	-2.0	87	-0.02
5	S	2-Fluorophenol	1.264	1.219	3.6	85	0.00
6		Aniline	2.217	2.277	-2.7	89	0.00
7	S	Phenol-d6	1.591	1.554	2.3	86	0.00
8		2-Chlorophenol	1.325	1.375	-3.8	90	0.00
9		Benzaldehyde	1.193	1.117	6.4	67	0.00
10	C	Phenol	1.733	1.769	-2.1	89	0.00
11		bis(2-Chloroethyl)ether	1.327	1.348	-1.6	89	0.00
12		1,3-Dichlorobenzene	1.439	1.454	-1.0	89	0.00
13	C	1,4-Dichlorobenzene	1.449	1.476	-1.9	90	0.00
14		1,2-Dichlorobenzene	1.378	1.430	-3.8	92	0.00
15		Benzyl Alcohol	1.215	1.274	-4.9	90	0.00
16		2,2'-oxybis(1-Chloropropane	2.461	2.545	-3.4	91	0.00
17		2-Methylphenol	1.114	1.153	-3.5	91	0.00
18		Hexachloroethane	0.502	0.526	-4.8	92	0.00
19	P	n-Nitroso-di-n-propylamine	1.021	1.029	-0.8	90	0.00
20		3+4-Methylphenols	1.351	1.432	-6.0	92	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	87	0.00
22		Acetophenone	0.474	0.477	-0.6	91	0.00
23	S	Nitrobenzene-d5	0.401	0.362	9.7	79	0.00
24		Nitrobenzene	0.374	0.390	-4.3	91	0.00
25		Isophorone	0.708	0.718	-1.4	91	0.00
26	C	2-Nitrophenol	0.162	0.182	-12.3	93	0.00
27		2,4-Dimethylphenol	0.331	0.337	-1.8	91	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.424	0.2	90	0.00
29	C	2,4-Dichlorophenol	0.279	0.285	-2.2	90	0.00
30		1,2,4-Trichlorobenzene	0.302	0.306	-1.3	91	0.00
31		Naphthalene	0.985	0.989	-0.4	90	0.00
32		Benzoic acid	0.169	0.181	-7.1	88	0.00
33		4-Chloroaniline	0.402	0.409	-1.7	91	0.00
34	C	Hexachlorobutadiene	0.184	0.190	-3.3	92	0.00
35		Caprolactam	0.084	0.086	-2.4	87	0.00
36	C	4-Chloro-3-methylphenol	0.303	0.308	-1.7	89	0.00
37		2-Methylnaphthalene	0.599	0.604	-0.8	91	0.00
38		1-Methylnaphthalene	0.617	0.628	-1.8	91	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	0.577	0.591	-2.4	93	0.00
41	P	Hexachlorocyclopentadiene	0.376	0.403	-7.2	93	0.00
42	S	2,4,6-Tribromophenol	0.207	0.207	0.0	85	0.00
43	C	2,4,6-Trichlorophenol	0.400	0.402	-0.5	91	0.00
44		2,4,5-Trichlorophenol	0.400	0.430	-7.5	92	0.00
45	S	2-Fluorobiphenyl	1.462	1.261	13.7	80	0.00
46		1,1'-Biphenyl	1.560	1.601	-2.6	93	0.00
47		2-Chloronaphthalene	1.155	1.160	-0.4	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	0.362	0.396	-9.4	91	0.00
49		Acenaphthylene	1.935	1.936	-0.1	90	0.00
50		Dimethylphthalate	1.304	1.311	-0.5	89	0.00
51		2,6-Dinitrotoluene	0.265	0.291	-9.8	91	0.00
52	C	Acenaphthene	1.144	1.149	-0.4	91	0.00
53		3-Nitroaniline	0.310	0.333	-7.4	91	0.00
54	P	2,4-Dinitrophenol	0.098	0.113	-15.3	93	0.00
55		Dibenzofuran	1.698	1.697	0.1	90	0.00
56	P	4-Nitrophenol	0.232	0.245	-5.6	86	0.00
57		2,4-Dinitrotoluene	0.333	0.370	-11.1	90	0.00
58		Fluorene	1.274	1.249	2.0	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.346	-4.5	90	0.00
60		Diethylphthalate	1.289	1.312	-1.8	90	0.00
61		4-Chlorophenyl-phenylether	0.635	0.641	-0.9	91	0.00
62		4-Nitroaniline	0.266	0.279	-4.9	86	0.00
63		Azobenzene	1.343	1.357	-1.0	89	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	0.094	0.108	-14.9	93	0.00
66	c	n-Nitrosodiphenylamine	0.704	0.709	-0.7	89	0.00
67		4-Bromophenyl-phenylether	0.238	0.243	-2.1	90	0.00
68		Hexachlorobenzene	0.249	0.251	-0.8	88	0.00
69		Atrazine	0.194	0.207	-6.7	89	0.00
70	C	Pentachlorophenol	0.147	0.155	-5.4	88	0.00
71		Phenanthrene	1.062	1.063	-0.1	88	0.00
72		Anthracene	1.083	1.098	-1.4	89	0.00
73		Carbazole	0.946	0.957	-1.2	87	0.00
74		Di-n-butylphthalate	1.070	1.132	-5.8	89	0.00
75	C	Fluoranthene	0.975	0.995	-2.1	88	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	89	0.00
77		Benzidine	0.771	0.833	-8.0	78	0.00
78		Pyrene	1.707	1.703	0.2	89	0.00
79	S	Terphenyl-d14	1.344	1.165	13.3	79	0.00
80		Butylbenzylphthalate	0.523	0.573	-9.6	94	0.00
81		Benzo(a)anthracene	1.339	1.337	0.1	93	0.00
82		3,3'-Dichlorobenzidine	0.446	0.488	-9.4	102	0.00
83		Chrysene	1.204	1.271	-5.6	94	0.00
84		Bis(2-ethylhexyl)phthalate	0.791	0.862	-9.0	98	0.00
85	c	Di-n-octyl phthalate	1.434	1.544	-7.7	100	0.00
86	I	Perylene-d12	1.000	1.000	0.0	96	0.00
87		Indeno(1,2,3-cd)pyrene	1.410	1.445	-2.5	98	0.00
88		Benzo(b)fluoranthene	1.222	1.322	-8.2	110	0.00
89		Benzo(k)fluoranthene	1.090	1.023	6.1	87	0.00
90	C	Benzo(a)pyrene	1.126	1.142	-1.4	98	0.00
91		Dibenzo(a,h)anthracene	1.148	1.168	-1.7	98	0.00
92		Benzo(g,h,i)perylene	1.110	1.149	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	86	0.00
2		1,4-Dioxane	40.000	38.496	3.8	83	-0.03
3		Pyridine	40.000	40.604	-1.5	89	-0.02
4		n-Nitrosodimethylamine	40.000	40.802	-2.0	87	-0.02
5	S	2-Fluorophenol	80.000	77.143	3.6	85	0.00
6		Aniline	40.000	41.078	-2.7	89	0.00
7	S	Phenol-d6	80.000	78.133	2.3	86	0.00
8		2-Chlorophenol	40.000	41.530	-3.8	90	0.00
9		Benzaldehyde	40.000	37.441	6.4	67	0.00
10	C	Phenol	40.000	40.827	-2.1	89	0.00
11		bis(2-Chloroethyl)ether	40.000	40.628	-1.6	89	0.00
12		1,3-Dichlorobenzene	40.000	40.400	-1.0	89	0.00
13	C	1,4-Dichlorobenzene	40.000	40.731	-1.8	90	0.00
14		1,2-Dichlorobenzene	40.000	41.506	-3.8	92	0.00
15		Benzyl Alcohol	40.000	41.958	-4.9	90	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	41.357	-3.4	91	0.00
17		2-Methylphenol	40.000	41.398	-3.5	91	0.00
18		Hexachloroethane	40.000	41.903	-4.8	92	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.342	-0.9	90	0.00
20		3+4-Methylphenols	40.000	42.387	-6.0	92	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	87	0.00
22		Acetophenone	40.000	40.260	-0.6	91	0.00
23	S	Nitrobenzene-d5	80.000	72.247	9.7	79	0.00
24		Nitrobenzene	40.000	41.731	-4.3	91	0.00
25		Isophorone	40.000	40.567	-1.4	91	0.00
26	C	2-Nitrophenol	40.000	44.896	-12.2	93	0.00
27		2,4-Dimethylphenol	40.000	40.773	-1.9	91	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.939	0.2	90	0.00
29	C	2,4-Dichlorophenol	40.000	40.875	-2.2	90	0.00
30		1,2,4-Trichlorobenzene	40.000	40.551	-1.4	91	0.00
31		Naphthalene	40.000	40.143	-0.4	90	0.00
32		Benzoic acid	40.000	39.782	0.5	88	0.00
33		4-Chloroaniline	40.000	40.671	-1.7	91	0.00
34	C	Hexachlorobutadiene	40.000	41.284	-3.2	92	0.00
35		Caprolactam	40.000	40.959	-2.4	87	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.611	-1.5	89	0.00
37		2-Methylnaphthalene	40.000	40.279	-0.7	91	0.00
38		1-Methylnaphthalene	40.000	40.712	-1.8	91	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.944	-2.4	93	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.872	-7.2	93	0.00
42	S	2,4,6-Tribromophenol	80.000	79.969	0.0	85	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.253	-0.6	91	0.00
44		2,4,5-Trichlorophenol	40.000	42.989	-7.5	92	0.00
45	S	2-Fluorobiphenyl	80.000	68.992	13.8	80	0.00
46		1,1'-Biphenyl	40.000	41.053	-2.6	93	0.00
47		2-Chloronaphthalene	40.000	40.184	-0.5	91	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	43.723	-9.3	91	0.00
49		Acenaphthylene	40.000	40.013	-0.0	90	0.00
50		Dimethylphthalate	40.000	40.218	-0.5	89	0.00
51		2,6-Dinitrotoluene	40.000	43.820	-9.6	91	0.00
52	C	Acenaphthene	40.000	40.176	-0.4	91	0.00
53		3-Nitroaniline	40.000	42.985	-7.5	91	0.00
54	P	2,4-Dinitrophenol	40.000	40.998	-2.5	93	0.00
55		Dibenzofuran	40.000	39.981	0.0	90	0.00
56	P	4-Nitrophenol	40.000	42.344	-5.9	86	0.00
57		2,4-Dinitrotoluene	40.000	44.440	-11.1	90	0.00
58		Fluorene	40.000	39.219	2.0	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.743	-4.4	90	0.00
60		Diethylphthalate	40.000	40.729	-1.8	90	0.00
61		4-Chlorophenyl-phenylether	40.000	40.377	-0.9	91	0.00
62		4-Nitroaniline	40.000	41.953	-4.9	86	0.00
63		Azobenzene	40.000	40.414	-1.0	89	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	84	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.869	-4.7	93	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.250	-0.6	89	0.00
67		4-Bromophenyl-phenylether	40.000	40.828	-2.1	90	0.00
68		Hexachlorobenzene	40.000	40.268	-0.7	88	0.00
69		Atrazine	40.000	42.615	-6.5	89	0.00
70	C	Pentachlorophenol	40.000	42.292	-5.7	88	0.00
71		Phenanthrene	40.000	40.026	-0.1	88	0.00
72		Anthracene	40.000	40.557	-1.4	89	0.00
73		Carbazole	40.000	40.476	-1.2	87	0.00
74		Di-n-butylphthalate	40.000	42.330	-5.8	89	0.00
75	C	Fluoranthene	40.000	40.836	-2.1	88	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	89	0.00
77		Benzidine	40.000	43.239	-8.1	78	0.00
78		Pyrene	40.000	39.916	0.2	89	0.00
79	S	Terphenyl-d14	80.000	69.333	13.3	79	0.00
80		Butylbenzylphthalate	40.000	43.827	-9.6	94	0.00
81		Benzo(a)anthracene	40.000	39.950	0.1	93	0.00
82		3,3'-Dichlorobenzidine	40.000	43.772	-9.4	102	0.00
83		Chrysene	40.000	42.233	-5.6	94	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	43.578	-8.9	98	0.00
85	c	Di-n-octyl phthalate	40.000	43.077	-7.7	100	0.00
86	I	Perylene-d12	20.000	20.000	0.0	96	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.983	-2.5	98	0.00
88		Benzo(b)fluoranthene	40.000	43.278	-8.2	110	0.00
89		Benzo(k)fluoranthene	40.000	37.531	6.2	87	0.00
90	C	Benzo(a)pyrene	40.000	40.594	-1.5	98	0.00
91		Dibenzo(a,h)anthracene	40.000	40.710	-1.8	98	0.00
92		Benzo(g,h,i)perylene	40.000	41.394	-3.5	99	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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: NOBI03

Lab Code: ACE SDG No.: Q2555

Instrument ID: BNA_F Calibration Date/Time: 07/16/2025 19:39

Lab File ID: BF143117.D Init. Calib. Date(s): 07/15/2025 07/15/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:04 16:35

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.266	1.249		-1.3	
Phenol-d6	1.591	1.563		-1.8	
Nitrobenzene-d5	0.357	0.402		12.6	
Naphthalene	0.993	0.972		-2.1	
2-Methylnaphthalene	0.592	0.578		-2.4	
2-Fluorobiphenyl	1.505	1.421		-5.6	
Acenaphthylene	1.952	1.912		-2.0	
Acenaphthene	1.152	1.115		-3.2	20.0
Fluorene	1.288	1.219		-5.4	
2,4,6-Tribromophenol	0.178	0.191		7.3	
Phenanthrene	1.079	1.046		-3.1	
Anthracene	1.085	1.063		-2.0	
Fluoranthene	0.981	0.947		-3.5	20.0
Pyrene	1.856	1.773		-4.5	
Terphenyl-d14	1.368	1.302		-4.8	
Benzo(a)anthracene	1.333	1.354		1.6	
Chrysene	1.227	1.156		-5.8	
Benzo(b)fluoranthene	1.154	1.136		-1.6	
Benzo(k)fluoranthene	1.101	1.092		-0.8	
Benzo(a)pyrene	1.091	1.116		2.3	20.0
Indeno(1,2,3-cd)pyrene	1.488	1.529		2.8	
Dibenzo(a,h)anthracene	1.216	1.243		2.2	
Benzo(g,h,i)perylene	1.240	1.256		1.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	135149	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	510164	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	254065	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	397173	20.000	ng		0.00
76) Chrysene-d12	14.127	240	210714	20.000	ng		0.00
86) Perylene-d12	15.633	264	255524	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	675027	78.913	ng		0.00
7) Phenol-d6	6.587	99	845178	78.603	ng		0.00
23) Nitrobenzene-d5	7.528	82	820016	90.170	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	193992	85.634	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1444367	75.570	ng		0.00
79) Terphenyl-d14	13.075	244	1097674	76.150	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.811	88	169746	39.864	ng		98
3) Pyridine	3.581	79	425792	39.489	ng		98
4) n-Nitrosodimethylamine	3.522	42	217941	39.012	ng		99
6) Aniline	6.628	93	595971	39.360	ng		99
8) 2-Chlorophenol	6.751	128	355815	41.401	ng		98
9) Benzaldehyde	6.516	77	335257	40.919	ng		99
10) Phenol	6.598	94	490852	42.169	ng		100
11) bis(2-Chloroethyl)ether	6.698	93	350864	38.936	ng		99
12) 1,3-Dichlorobenzene	6.910	146	386579	39.815	ng		99
13) 1,4-Dichlorobenzene	6.987	146	383281	39.238	ng		99
14) 1,2-Dichlorobenzene	7.140	146	363768	39.051	ng		98
15) Benzyl Alcohol	7.098	79	319688	40.125	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	645668	38.870	ng		100
17) 2-Methylphenol	7.204	107	295753	39.876	ng		99
18) Hexachloroethane	7.487	117	131364	41.310	ng		98
19) n-Nitroso-di-n-propyla...	7.375	70	260963	39.615	ng		99
20) 3+4-Methylphenols	7.363	107	369651	40.641	ng		99
22) Acetophenone	7.369	105	476586	38.753	ng	#	93
24) Nitrobenzene	7.545	77	376400	42.874	ng		99
25) Isophorone	7.787	82	688462	39.167	ng		100
26) 2-Nitrophenol	7.863	139	148006	42.663	ng		100
27) 2,4-Dimethylphenol	7.893	122	326049	39.965	ng		99
28) bis(2-Chloroethoxy)met...	7.993	93	420098	39.412	ng		100
29) 2,4-Dichlorophenol	8.098	162	274747	41.164	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	297978	39.339	ng		98
31) Naphthalene	8.269	128	991571	39.140	ng		100
32) Benzoic acid	7.987	122	150277	38.466	ng		97
33) 4-Chloroaniline	8.310	127	401159	39.377	ng		100
34) Hexachlorobutadiene	8.393	225	181527	40.072	ng		99
35) Caprolactam	8.675	113	85847	41.190	ng		95
36) 4-Chloro-3-methylphenol	8.787	107	298817	40.192	ng		100
37) 2-Methylnaphthalene	8.963	142	589636	39.014	ng		100
38) 1-Methylnaphthalene	9.063	142	610968	38.976	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	287903	38.885	ng		99
41) Hexachlorocyclopentadiene	9.122	237	173333	42.225	ng		99
43) 2,4,6-Trichlorophenol	9.234	196	195982	42.600	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

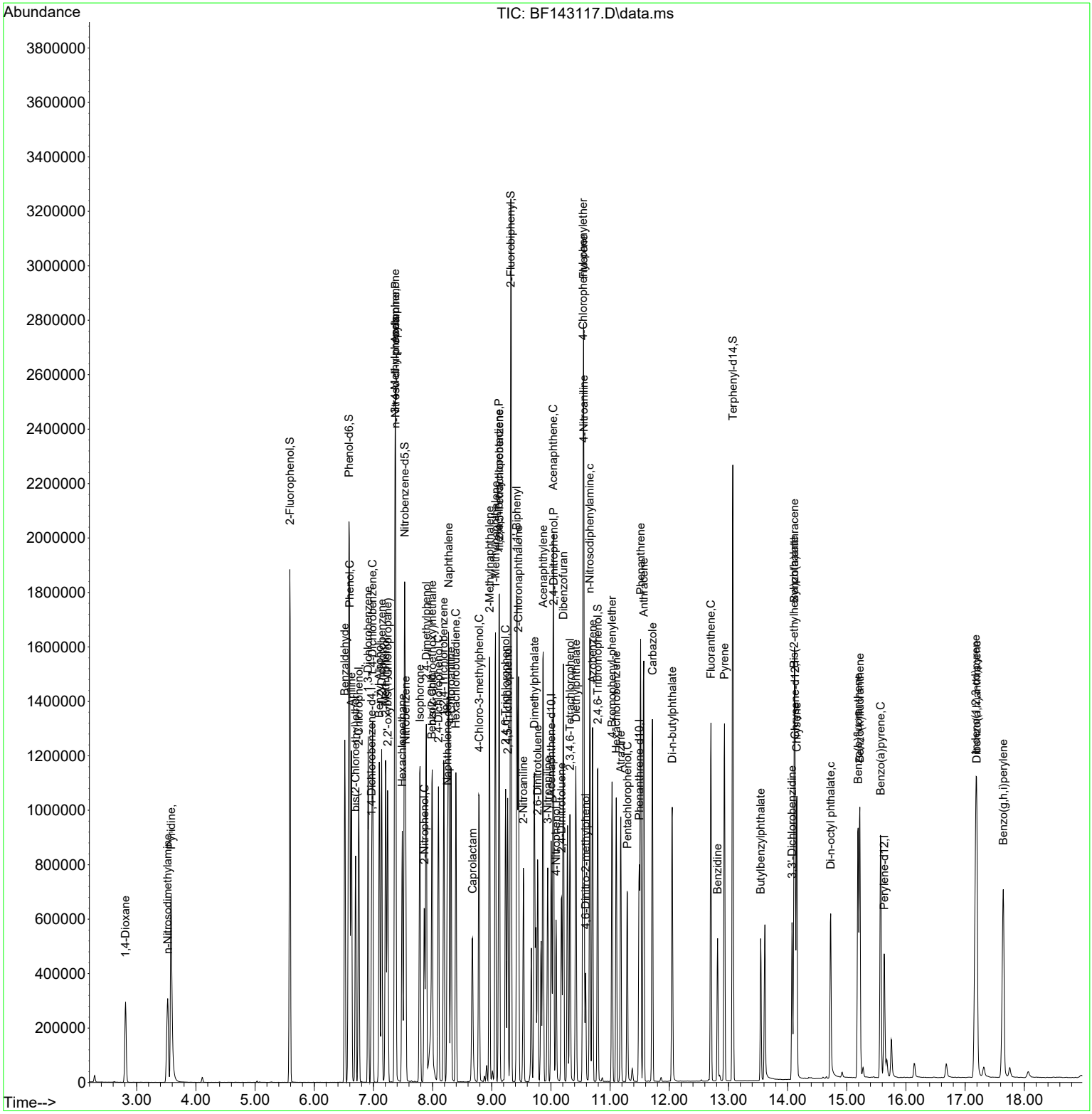
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	196557	40.747	ng		99
46) 1,1'-Biphenyl	9.422	154	779366	38.466	ng		100
47) 2-Chloronaphthalene	9.451	162	573731	38.546	ng		100
48) 2-Nitroaniline	9.534	65	178618	40.710	ng		99
49) Acenaphthylene	9.869	152	971647	39.176	ng		99
50) Dimethylphthalate	9.722	163	628010	39.291	ng		100
51) 2,6-Dinitrotoluene	9.775	165	130906	41.829	ng		95
52) Acenaphthene	10.039	154	566434	38.701	ng		99
53) 3-Nitroaniline	9.945	138	151765	43.942	ng		97
54) 2,4-Dinitrophenol	10.045	184	41904	42.980	ng	#	44
55) Dibenzofuran	10.210	168	838011	38.413	ng		100
56) 4-Nitrophenol	10.086	139	117068	42.650	ng		99
57) 2,4-Dinitrotoluene	10.181	165	155813	40.106	ng		96
58) Fluorene	10.551	166	619482	37.875	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	164509	42.914	ng		98
60) Diethylphthalate	10.422	149	615586	39.920	ng		100
61) 4-Chlorophenyl-phenyle...	10.545	204	306293	39.072	ng		100
62) 4-Nitroaniline	10.557	138	129761	43.204	ng		99
63) Azobenzene	10.704	77	652575	38.265	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	62192	43.295	ng		97
66) n-Nitrosodiphenylamine	10.657	169	545898	39.129	ng		99
67) 4-Bromophenyl-phenylether	11.034	248	180440	39.949	ng		98
68) Hexachlorobenzene	11.104	284	191457	39.950	ng		97
69) Atrazine	11.181	200	145300	40.708	ng		99
70) Pentachlorophenol	11.292	266	114049	43.376	ng		99
71) Phenanthrene	11.516	178	831246	38.780	ng		100
72) Anthracene	11.569	178	844296	39.169	ng		99
73) Carbazole	11.716	167	742234	38.436	ng		100
74) Di-n-butylphthalate	12.051	149	743944	41.970	ng		100
75) Fluoranthene	12.704	202	752396	38.604	ng		99
77) Benzidine	12.816	184	274069	38.177	ng		99
78) Pyrene	12.933	202	747120	38.214	ng		100
80) Butylbenzylphthalate	13.545	149	153672	39.754	ng		95
81) Benzo(a)anthracene	14.116	228	570413	40.624	ng		100
82) 3,3'-Dichlorobenzidine	14.074	252	164768	40.409	ng		99
83) Chrysene	14.157	228	486986	37.657	ng		100
84) Bis(2-ethylhexyl)phtha...	14.110	149	241107	41.219	ng		100
85) Di-n-octyl phthalate	14.727	149	439529	40.440	ng		99
87) Indeno(1,2,3-cd)pyrene	17.180	276	781535	41.122	ng		100
88) Benzo(b)fluoranthene	15.192	252	580612	39.393	ng		99
89) Benzo(k)fluoranthene	15.221	252	558211	39.698	ng		99
90) Benzo(a)pyrene	15.574	252	570084	40.896	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	635338	40.895	ng		99
92) Benzo(g,h,i)perylene	17.645	276	642024	40.534	ng		98

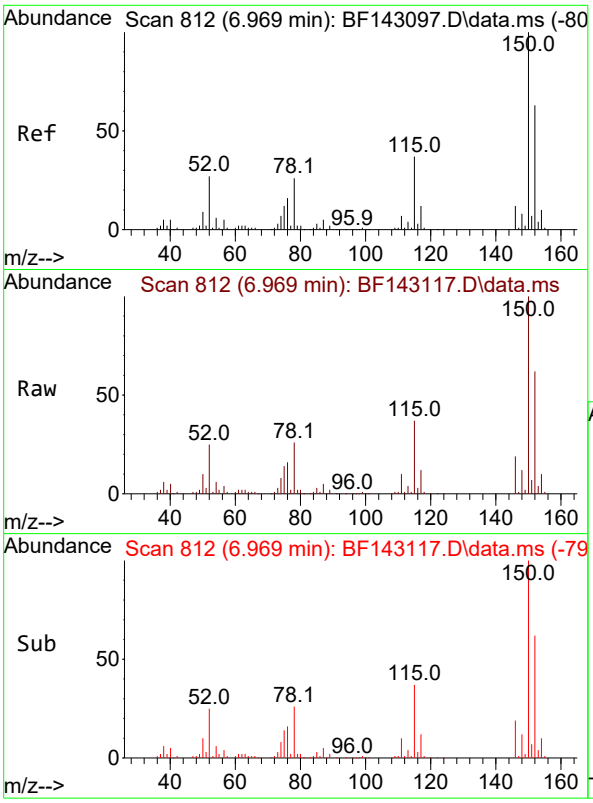
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



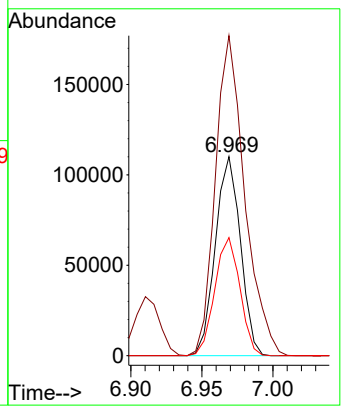


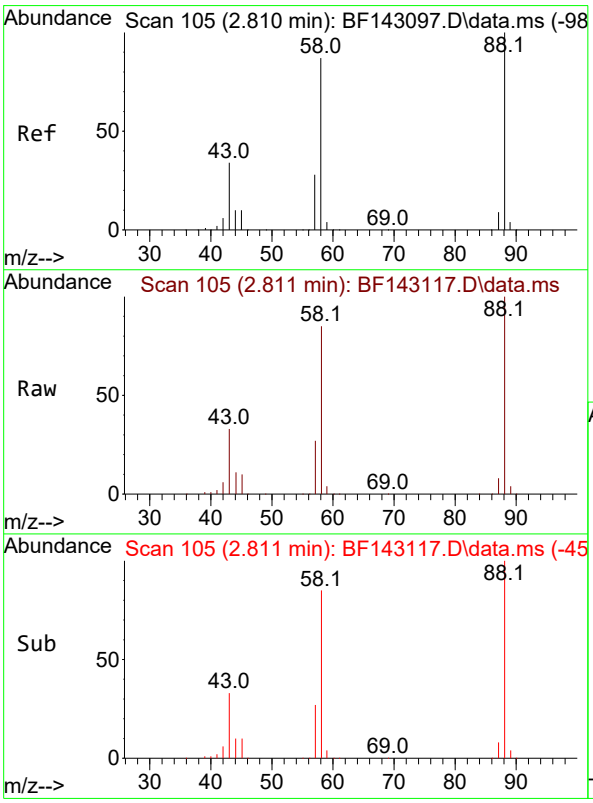
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 135149

Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.5	189.7
115	59.4	47.0	70.6

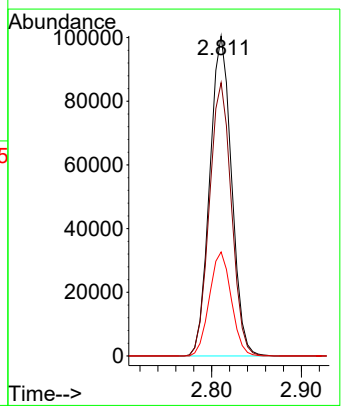


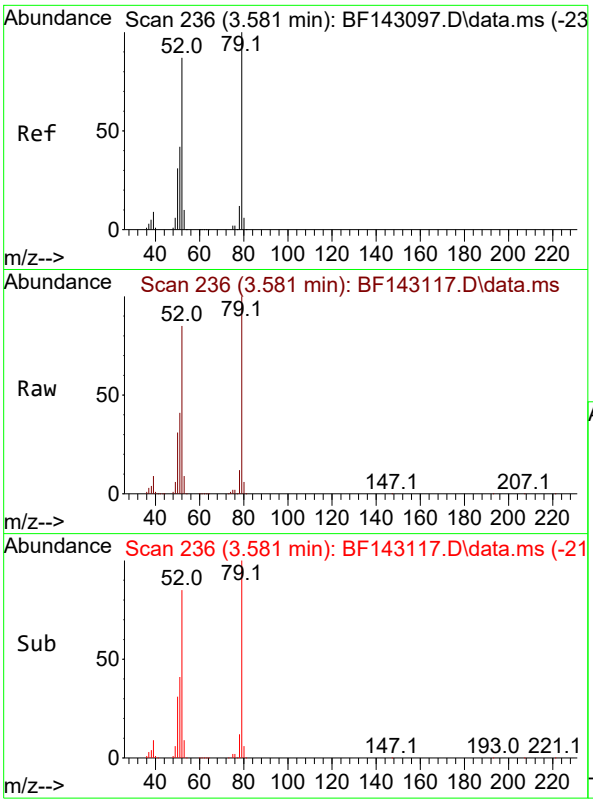


#2
1,4-Dioxane
Concen: 39.864 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 88 Resp: 169746

Ion	Ratio	Lower	Upper
88	100		
58	86.0	70.5	105.7
43	32.5	27.3	40.9



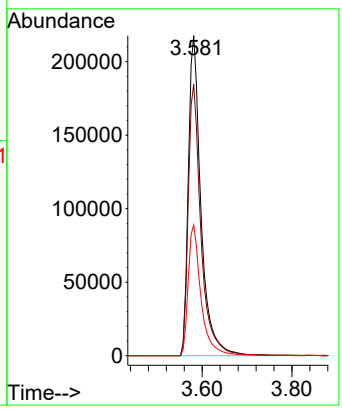


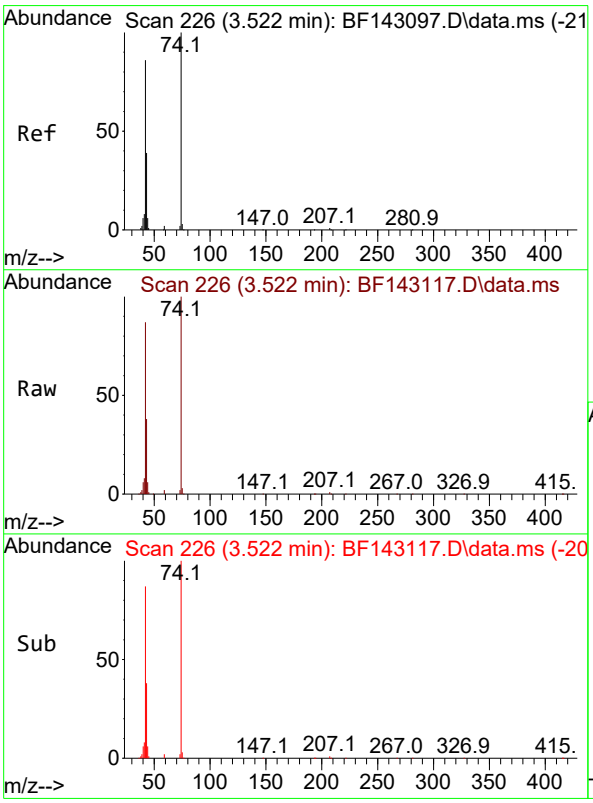
#3
Pyridine
Concen: 39.489 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 425792

Ion	Ratio	Lower	Upper
79	100		
52	84.8	69.2	103.8
51	40.9	33.3	49.9

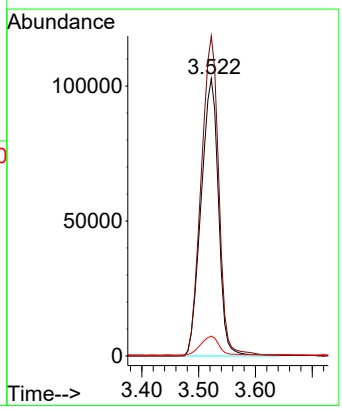


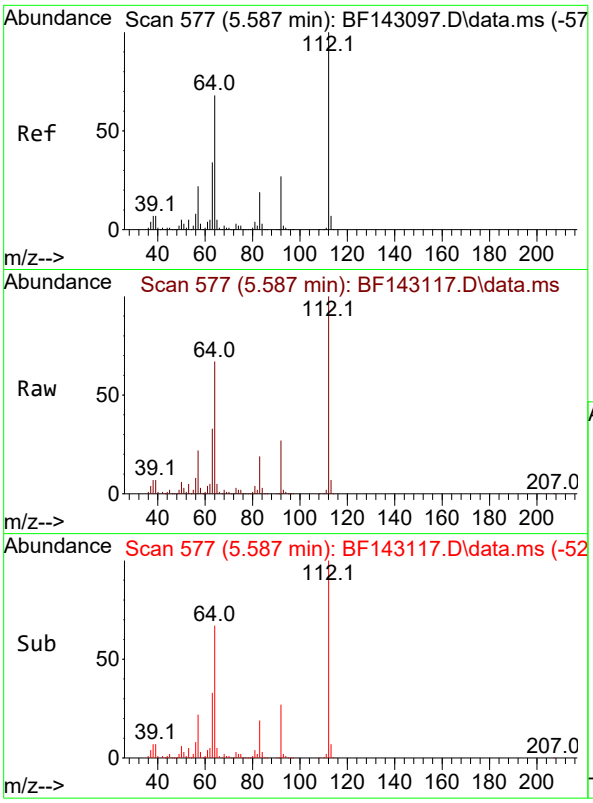


#4
n-Nitrosodimethylamine
Concen: 39.012 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 42 Resp: 217941

Ion	Ratio	Lower	Upper
42	100		
74	115.4	92.8	139.2
44	7.2	5.8	8.6



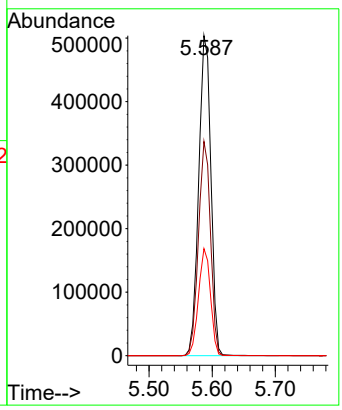


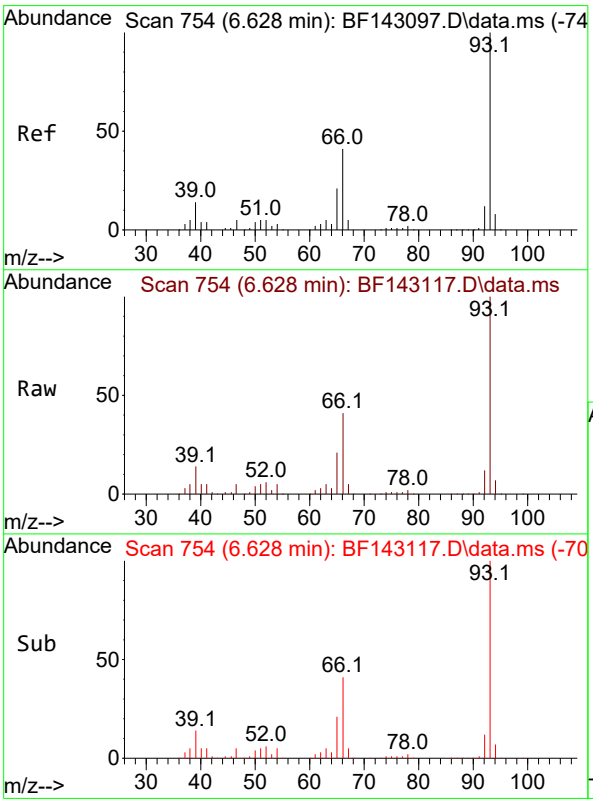
#5
2-Fluorophenol
Concen: 78.913 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 675027

Ion	Ratio	Lower	Upper
112	100		
64	67.0	54.6	82.0
63	33.5	27.3	40.9

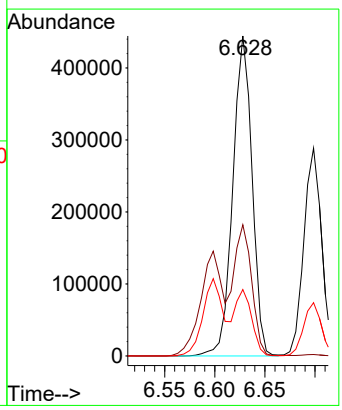


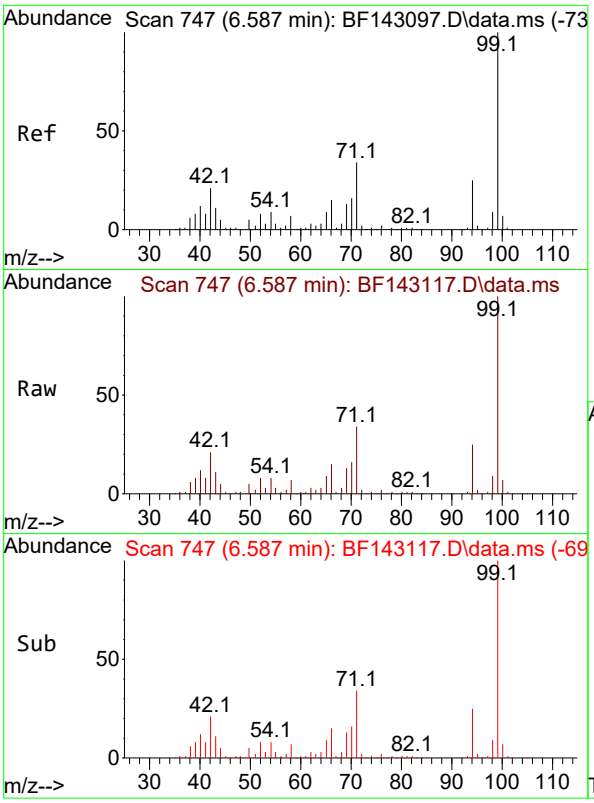


#6
Aniline
Concen: 39.360 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 93 Resp: 595971

Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.1	49.7
65	20.8	16.9	25.3



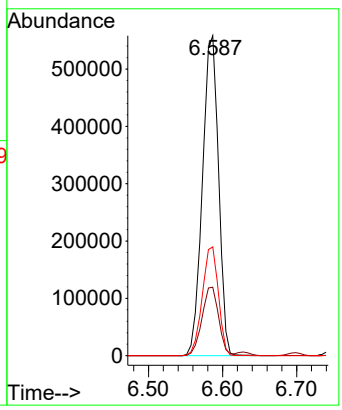


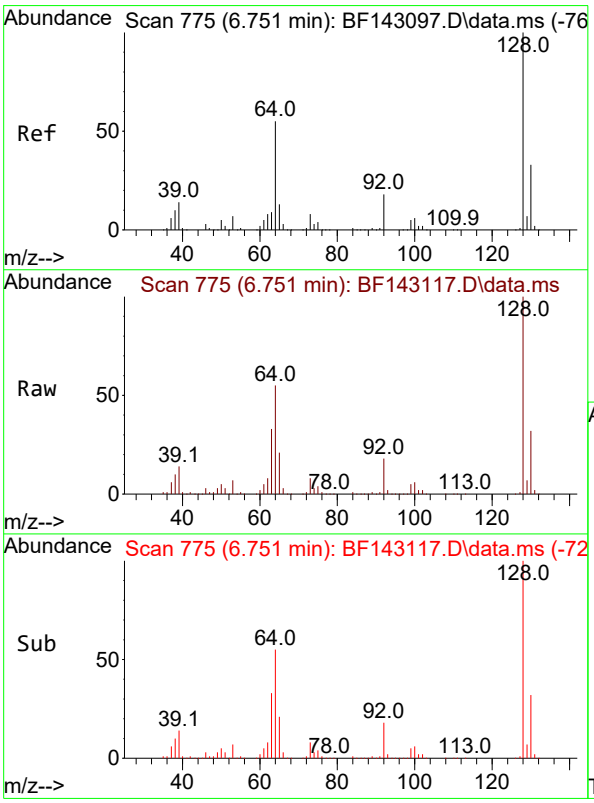
#7
Phenol-d6
Concen: 78.603 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 845178

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	34.0	27.4	41.0

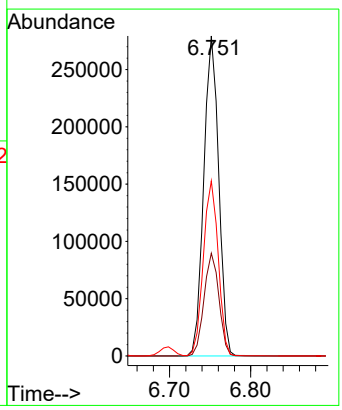


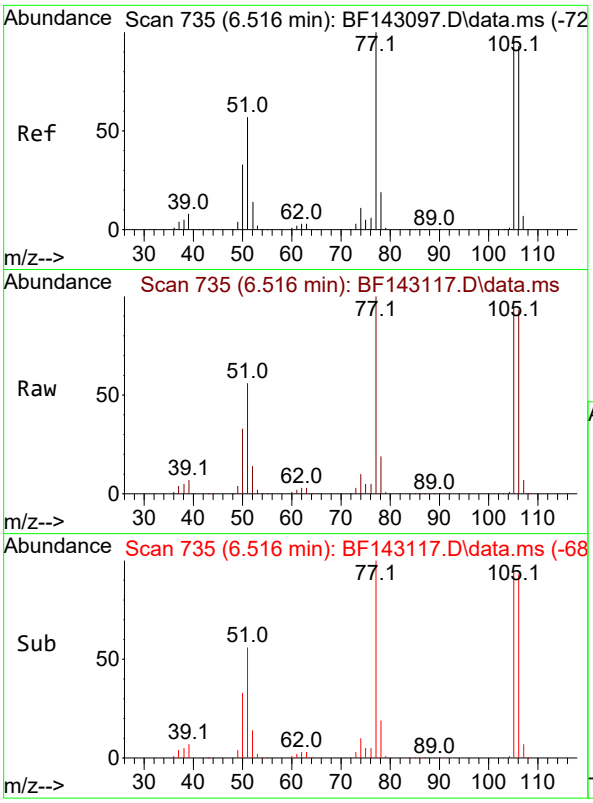


#8
2-Chlorophenol
Concen: 41.401 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:128 Resp: 355815

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.8	52.8
64	54.7	36.1	76.1



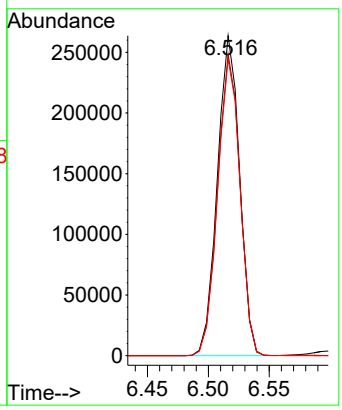


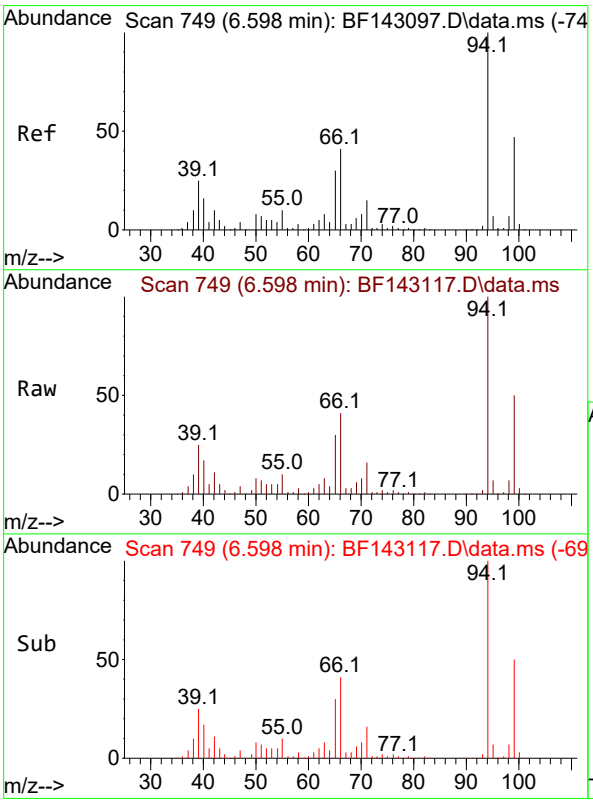
#9
Benzaldehyde
Concen: 40.919 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 335257

Ion	Ratio	Lower	Upper
77	100		
105	94.2	76.3	116.3
106	92.7	72.8	112.8

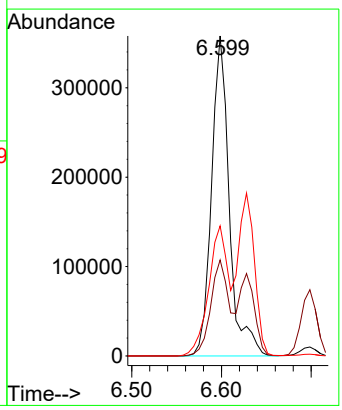


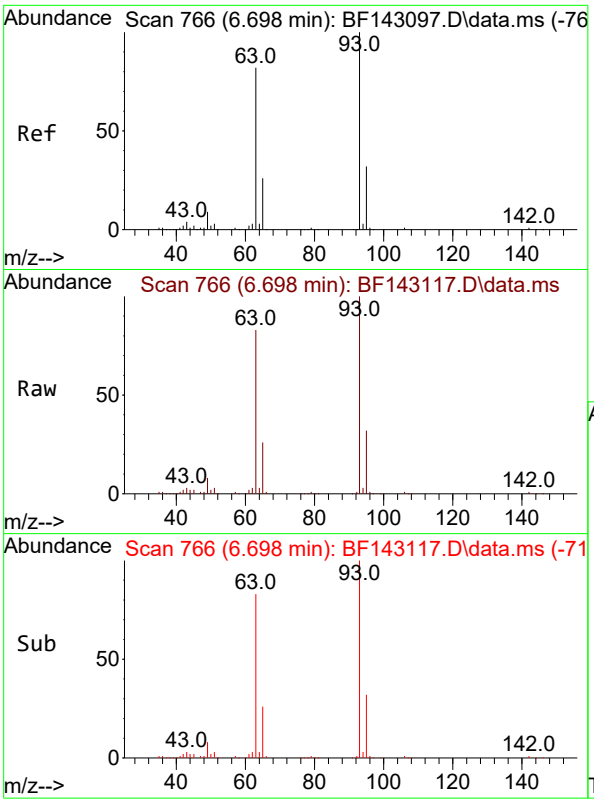


#10
Phenol
Concen: 42.169 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 94 Resp: 490852

Ion	Ratio	Lower	Upper
94	100		
65	30.0	9.8	49.8
66	40.7	20.5	60.5



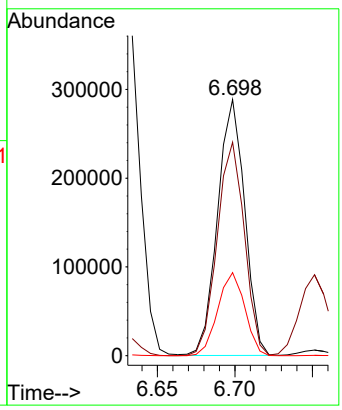


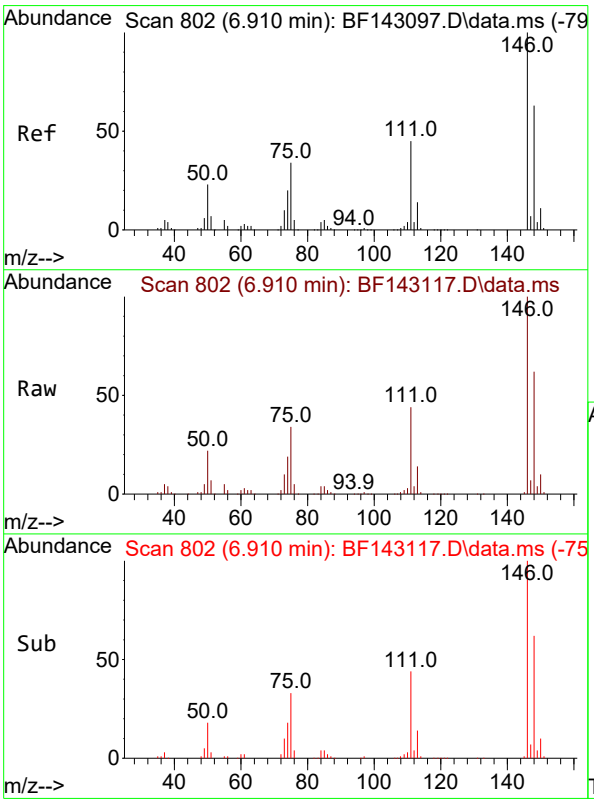
#11
bis(2-Chloroethyl)ether
Concen: 38.936 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 350864

Ion	Ratio	Lower	Upper
93	100		
63	83.4	61.9	101.9
95	32.4	12.2	52.2

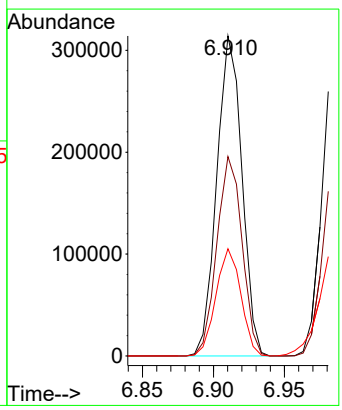


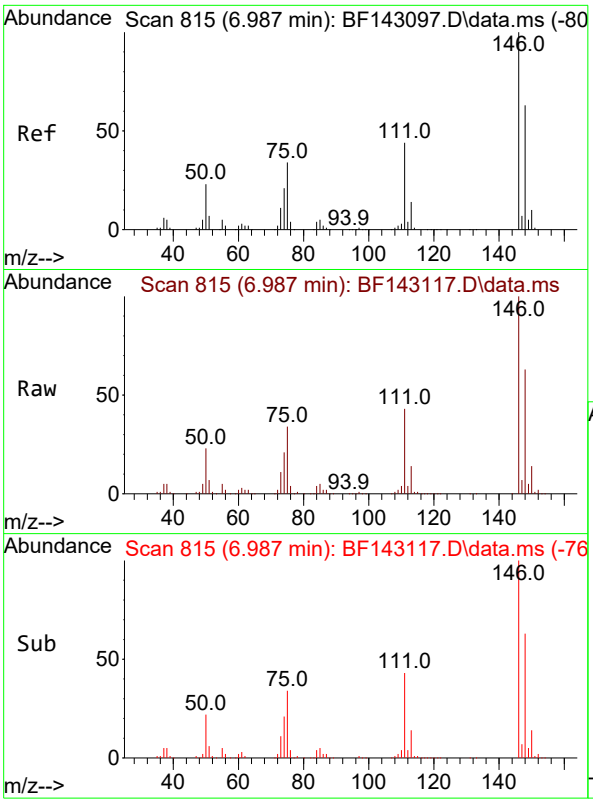


#12
1,3-Dichlorobenzene
Concen: 39.815 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:146 Resp: 386579

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.1	75.1
75	33.5	27.4	41.0



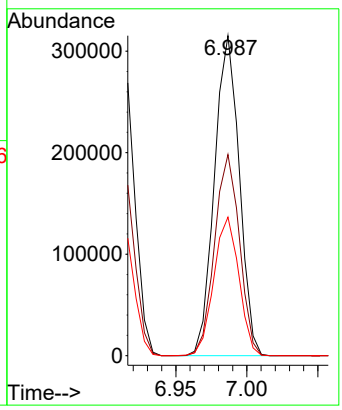


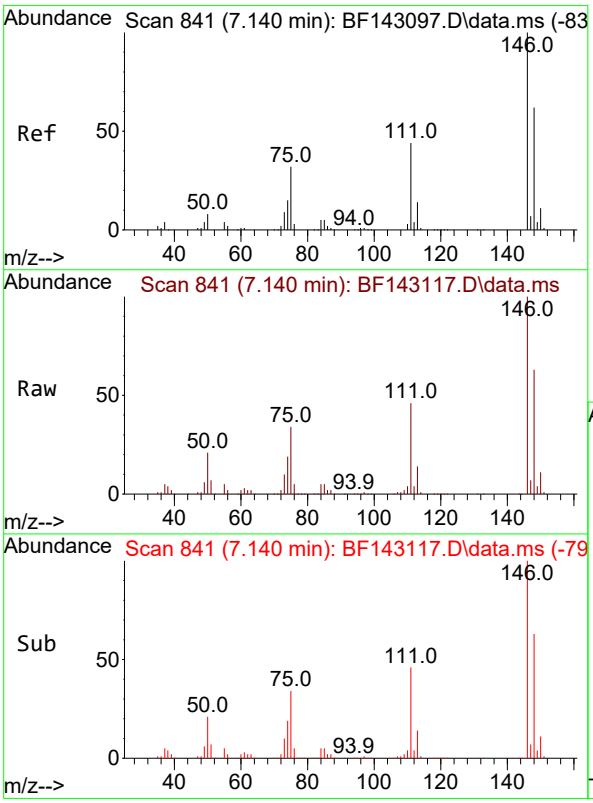
#13
1,4-Dichlorobenzene
Concen: 39.238 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 383281

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	76.0
111	43.3	35.0	52.6

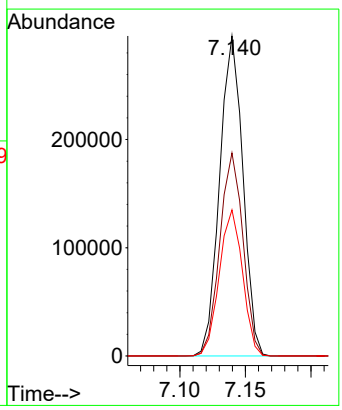


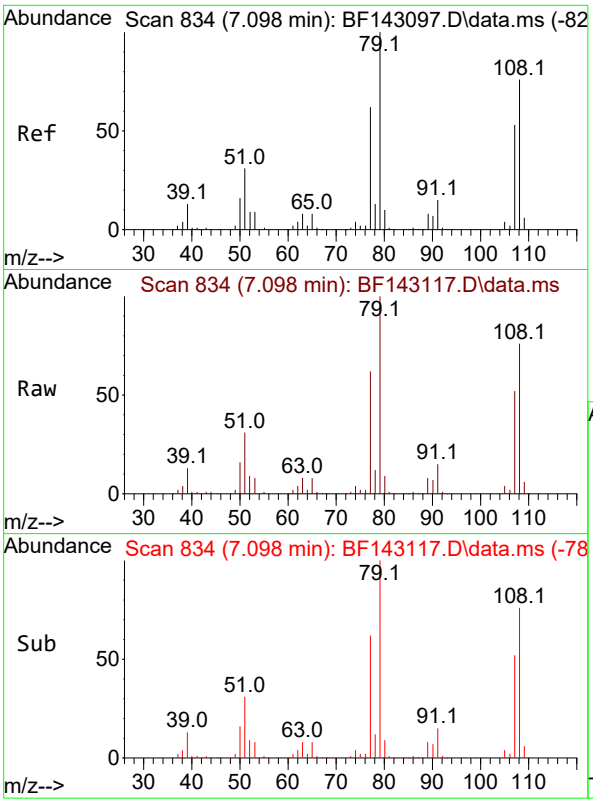


#14
1,2-Dichlorobenzene
Concen: 39.051 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:146 Resp: 363768

Ion	Ratio	Lower	Upper
146	100		
148	63.4	49.8	74.6
111	45.6	35.4	53.0



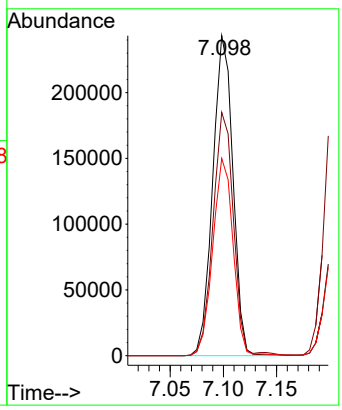


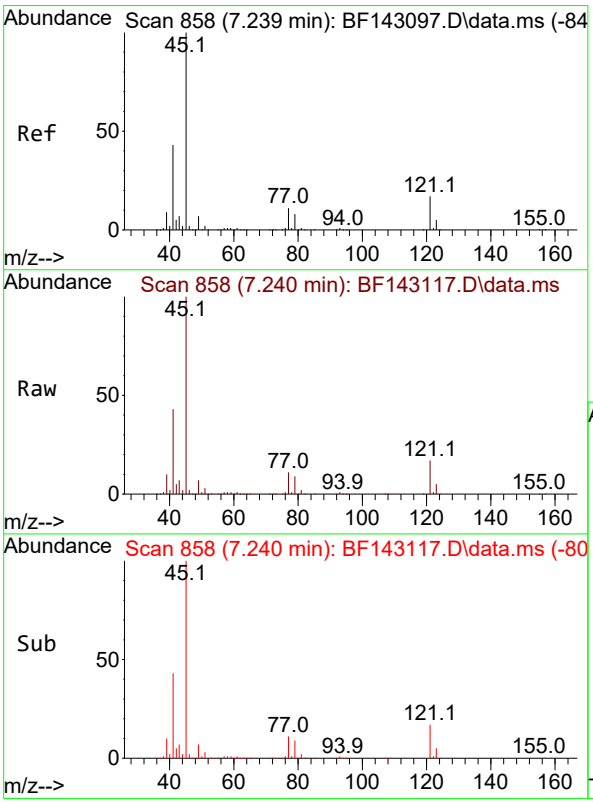
#15
Benzyl Alcohol
Concen: 40.125 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 319688

Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.1	91.7
77	61.7	49.9	74.9

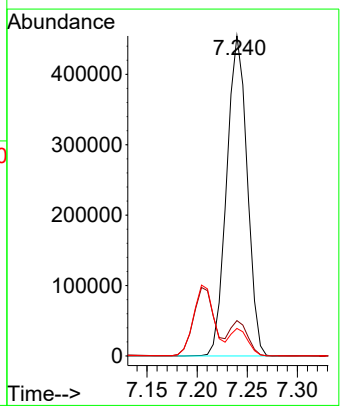


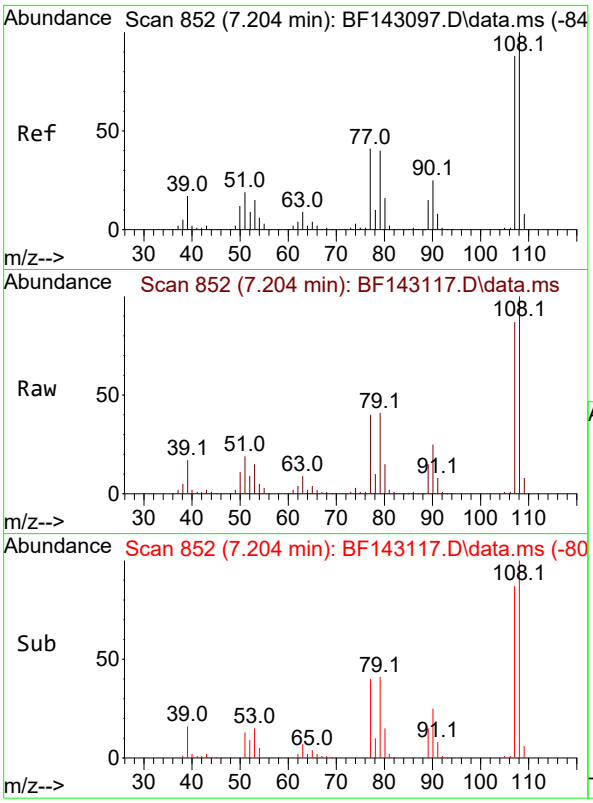


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.870 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 45 Resp: 645668

Ion	Ratio	Lower	Upper
45	100		
77	11.0	0.0	31.1
79	8.6	0.0	28.4



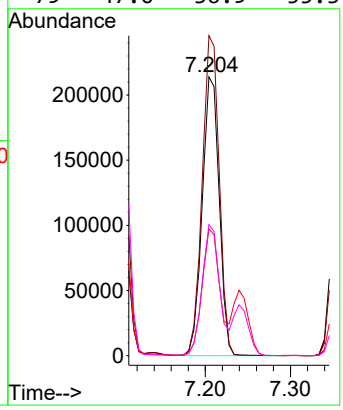


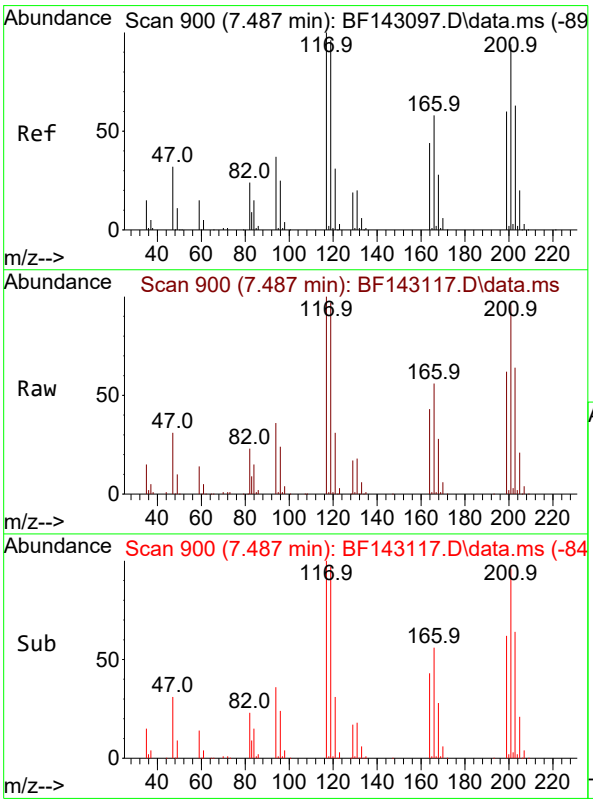
#17
2-Methylphenol
Concen: 39.876 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 295753

Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.9	136.3
77	45.5	37.5	56.3
79	47.0	36.9	55.3

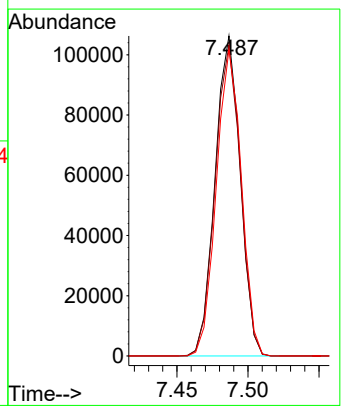


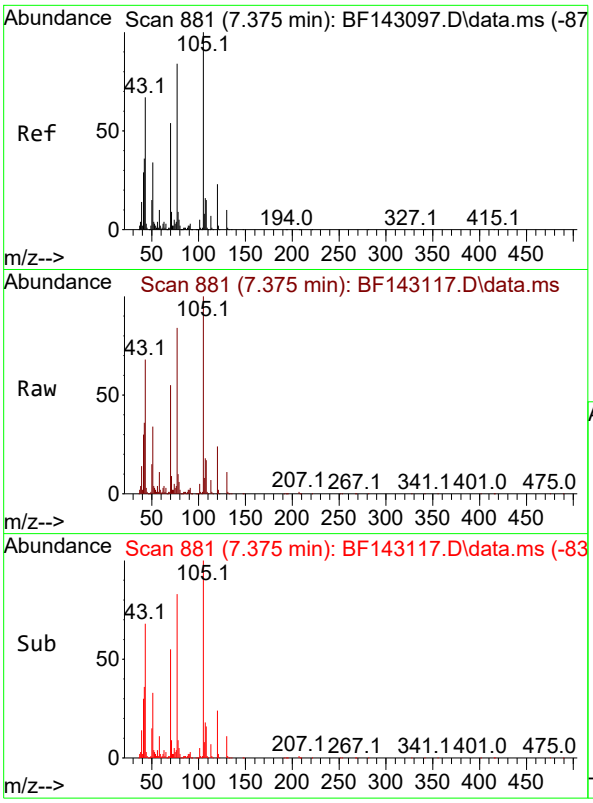


#18
Hexachloroethane
Concen: 41.310 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:117 Resp: 131364

Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
201	95.8	75.0	112.4



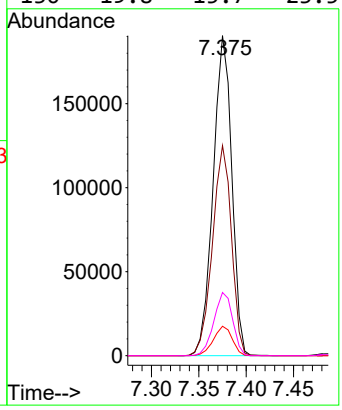


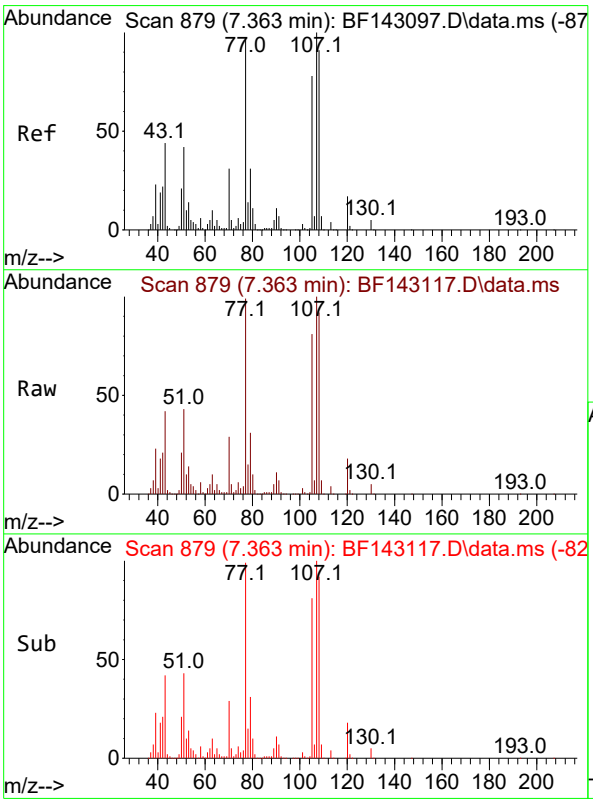
#19
n-Nitroso-di-n-propylamine
Concen: 39.615 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 260963

Ion	Ratio	Lower	Upper
70	100		
42	65.6	53.2	79.8
101	9.2	7.5	11.3
130	19.8	15.7	23.5

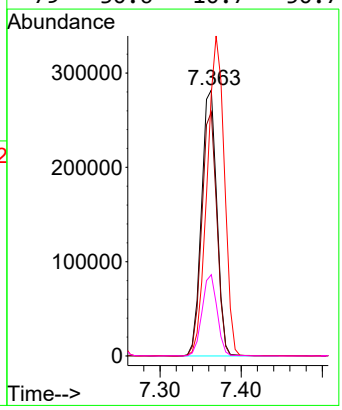


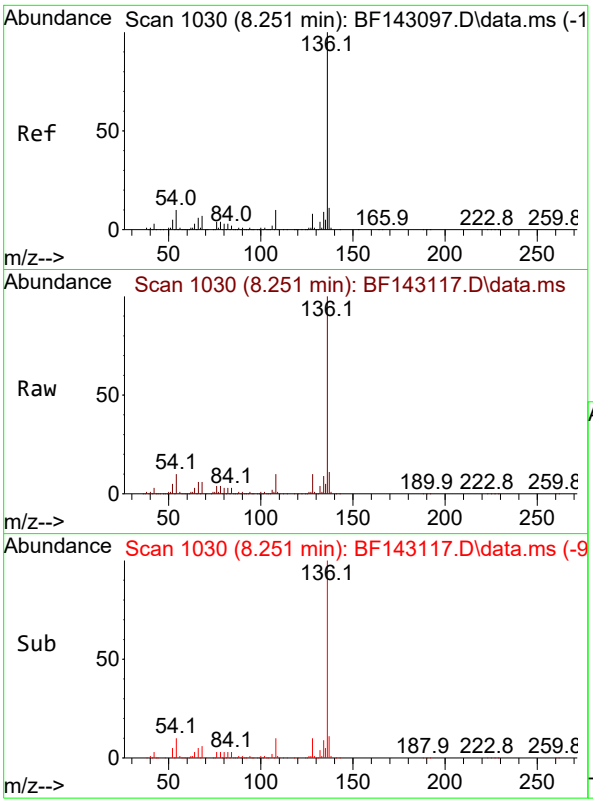


#20
3+4-Methylphenols
Concen: 40.641 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:107 Resp: 369651

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.3	111.3
77	98.8	77.2	117.2
79	30.6	10.7	50.7



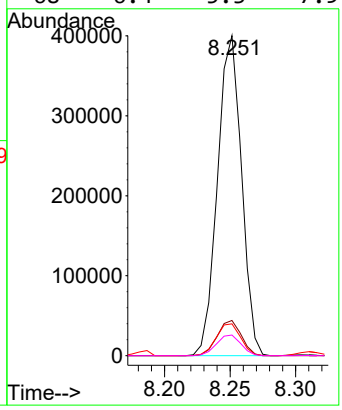


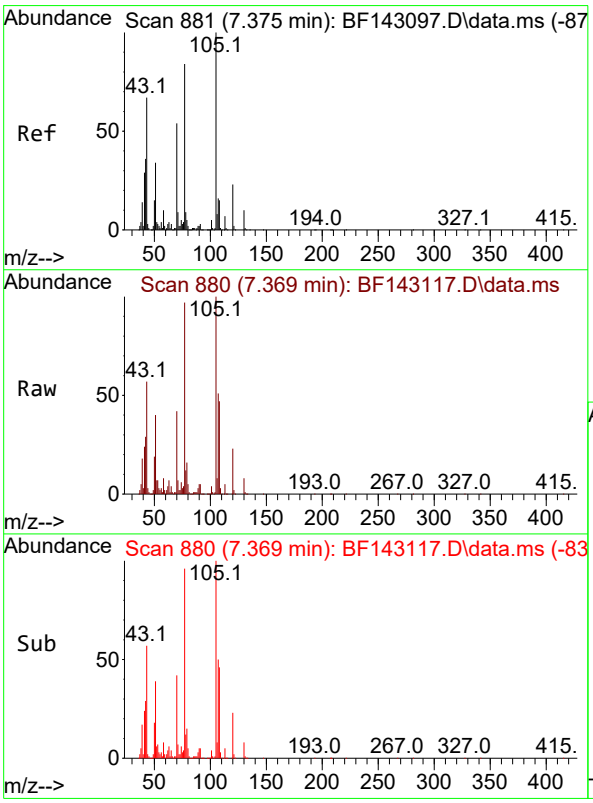
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 510164

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.9	8.3	12.5
68	6.4	5.3	7.9

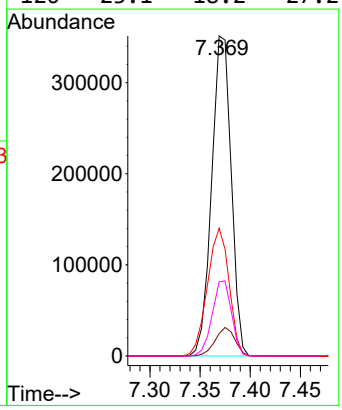


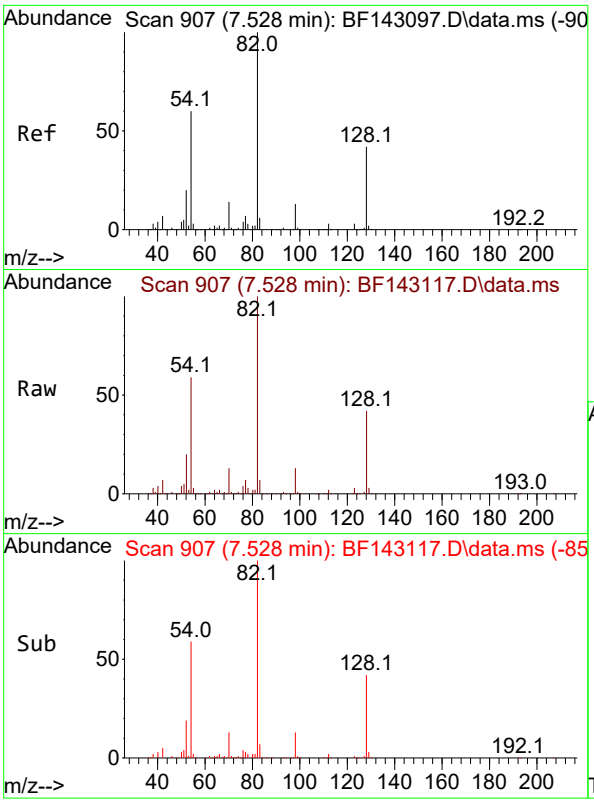


#22
Acetophenone
Concen: 38.753 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:105 Resp: 476586

Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.2	10.8#
51	39.9	27.0	40.4
120	23.1	18.2	27.2



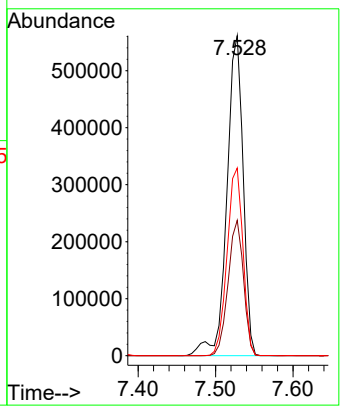


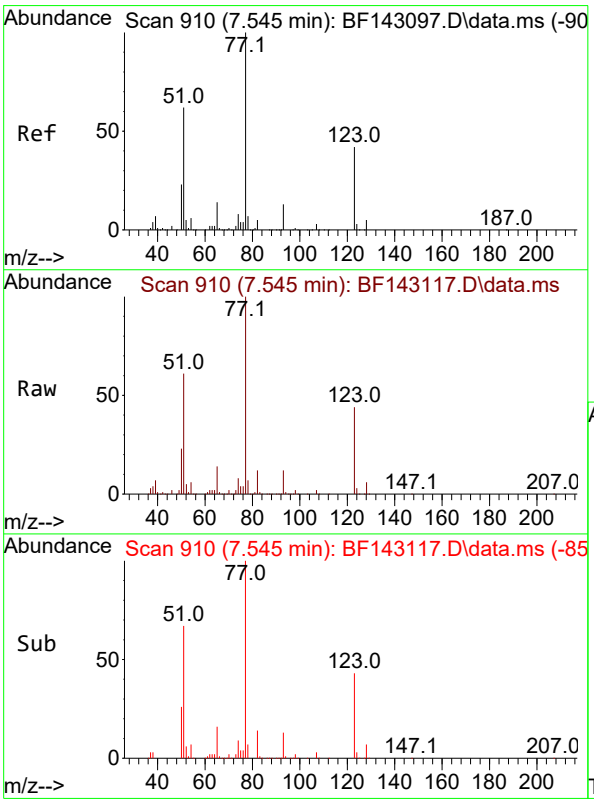
#23
Nitrobenzene-d5
Concen: 90.170 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 820016

Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.3	49.9
54	58.7	47.4	71.2

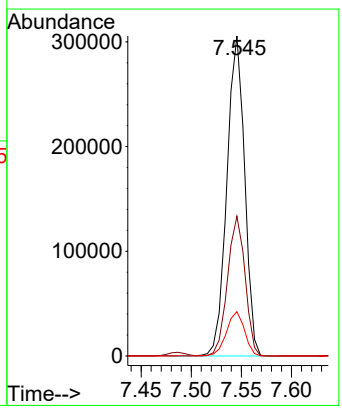


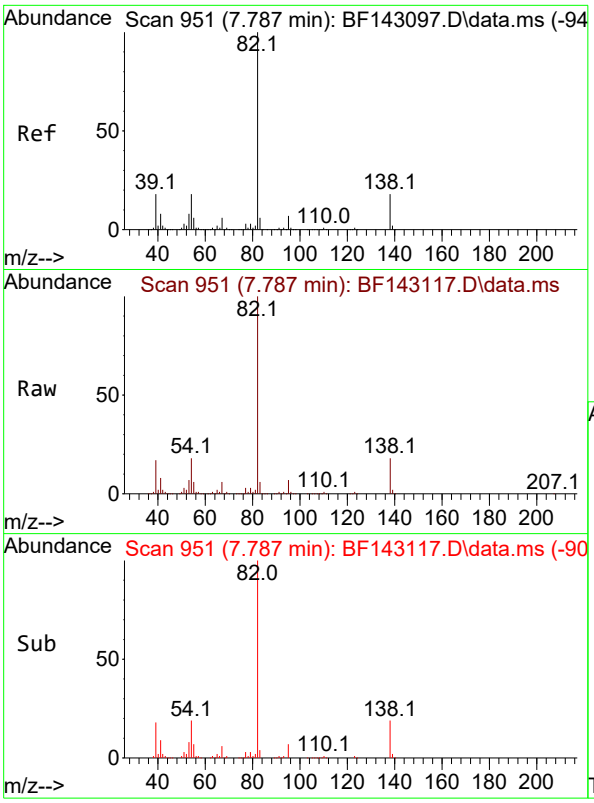


#24
Nitrobenzene
Concen: 42.874 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 77 Resp: 376400

Ion	Ratio	Lower	Upper
77	100		
123	43.6	34.5	51.7
65	13.8	11.3	16.9



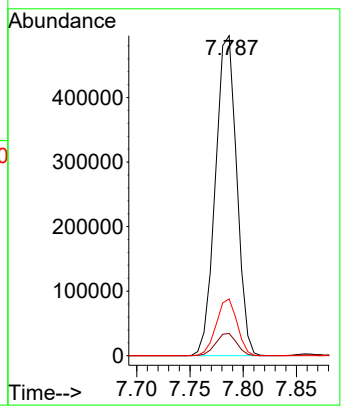


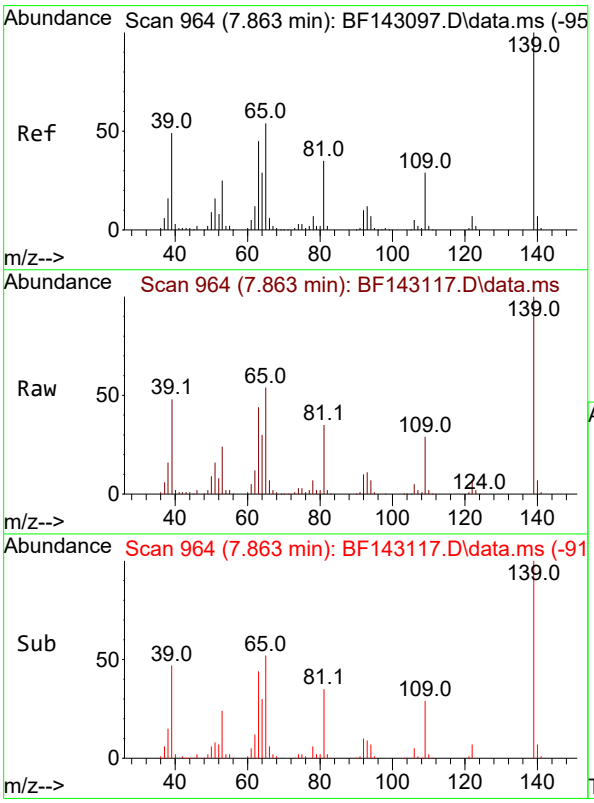
#25
Isophorone
Concen: 39.167 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 688462

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.7	14.3	21.5

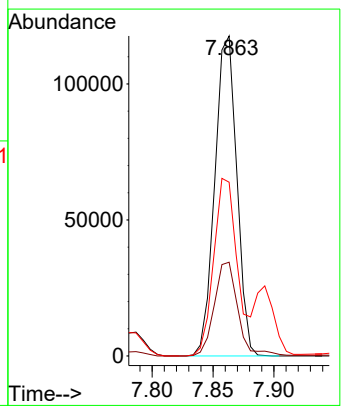


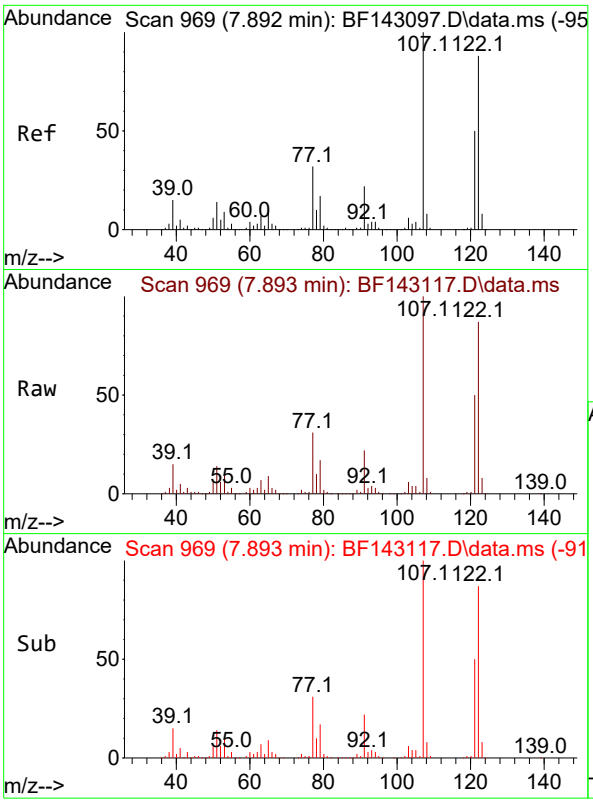


#26
2-Nitrophenol
Concen: 42.663 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:139 Resp: 148006

Ion	Ratio	Lower	Upper
139	100		
109	29.3	23.4	35.0
65	54.3	43.4	65.2



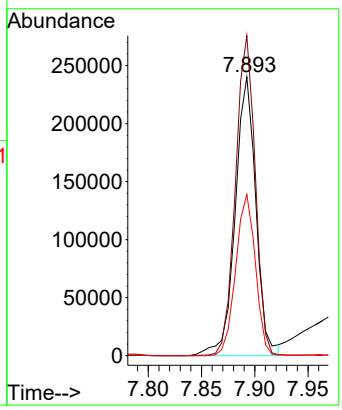


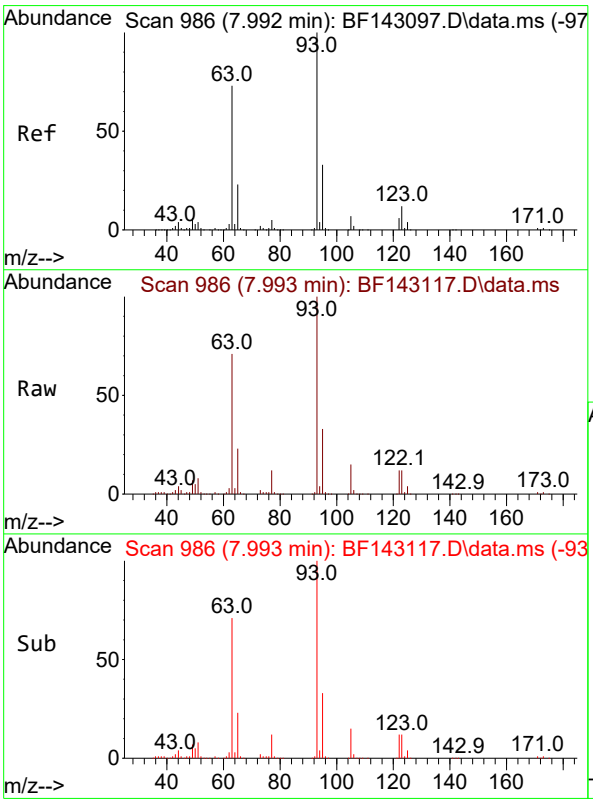
#27
2,4-Dimethylphenol
Concen: 39.965 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 326049

Ion	Ratio	Lower	Upper
122	100		
107	114.8	91.3	136.9
121	57.9	45.5	68.3

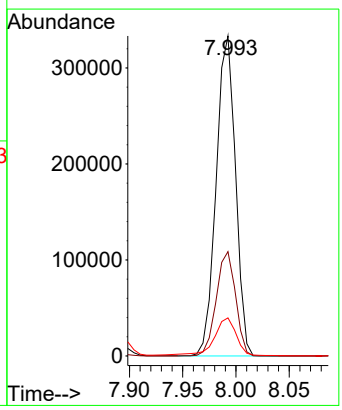


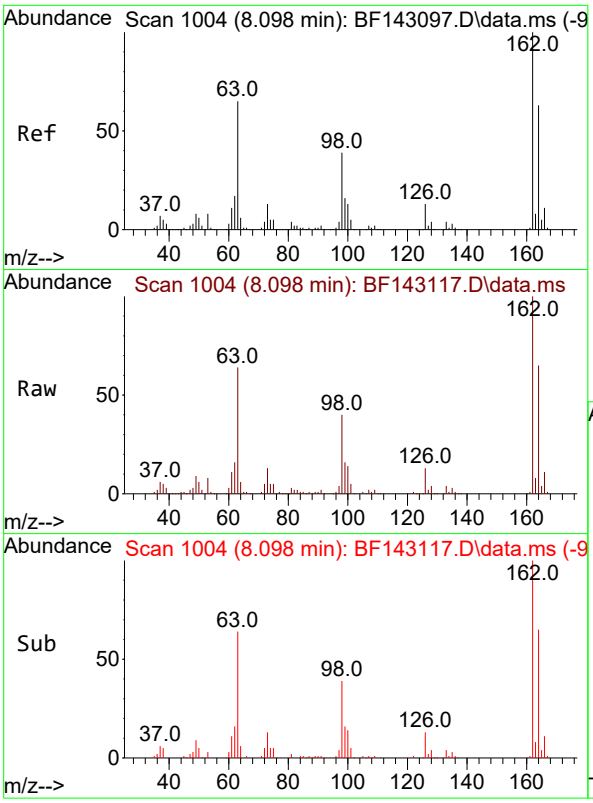


#28
bis(2-Chloroethoxy)methane
Concen: 39.412 ng
RT: 7.993 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 93 Resp: 420098

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.9	9.6	14.4



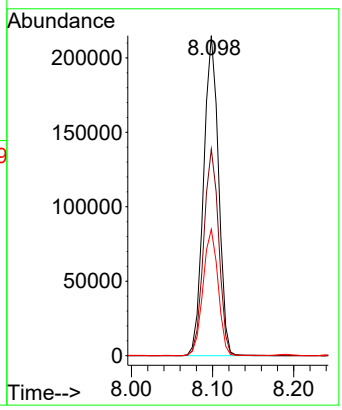


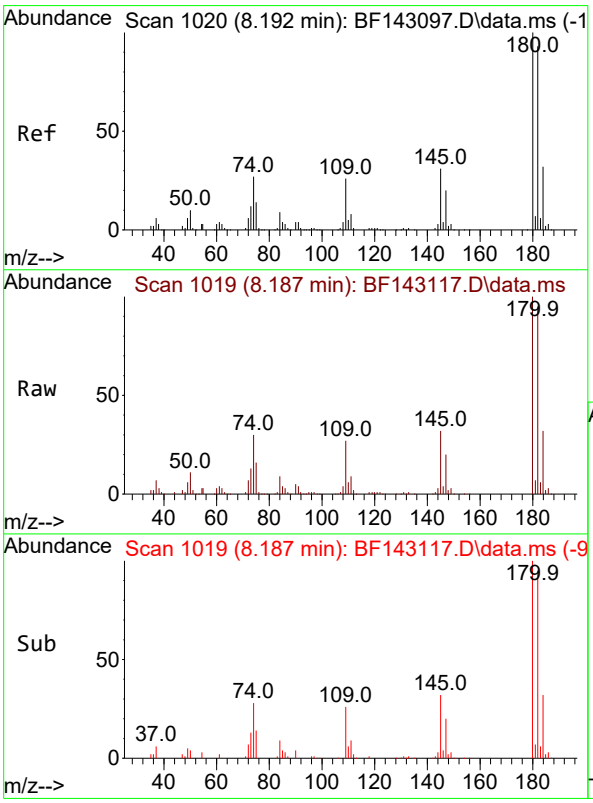
#29
2,4-Dichlorophenol
Concen: 41.164 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 274747

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.1	83.1
98	39.5	19.2	59.2

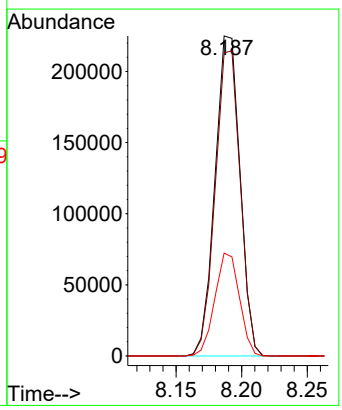


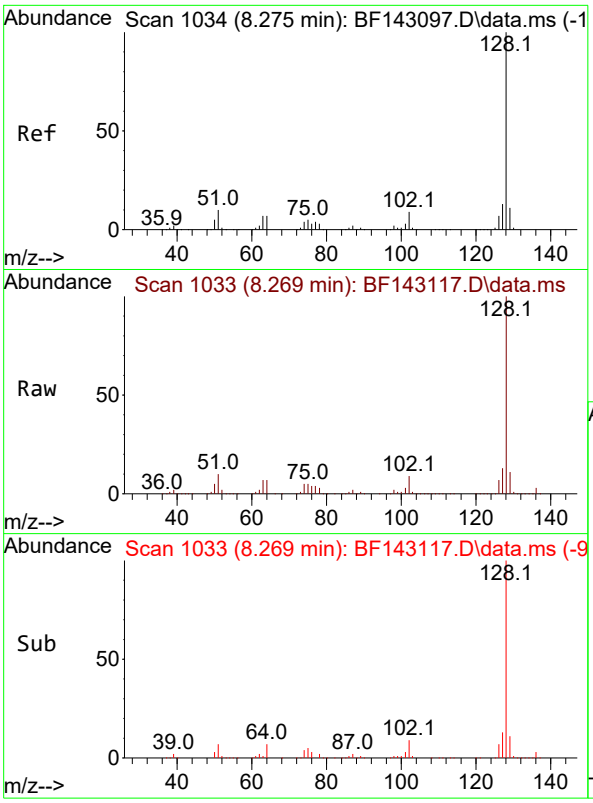


#30
1,2,4-Trichlorobenzene
Concen: 39.339 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:180 Resp: 297978

Ion	Ratio	Lower	Upper
180	100		
182	94.8	74.7	112.1
145	32.1	24.5	36.7



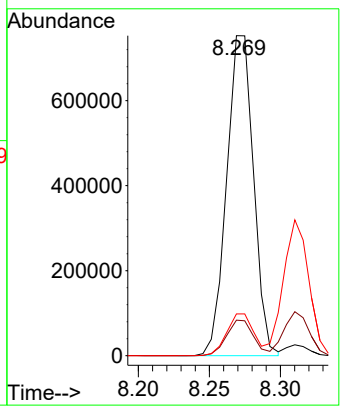


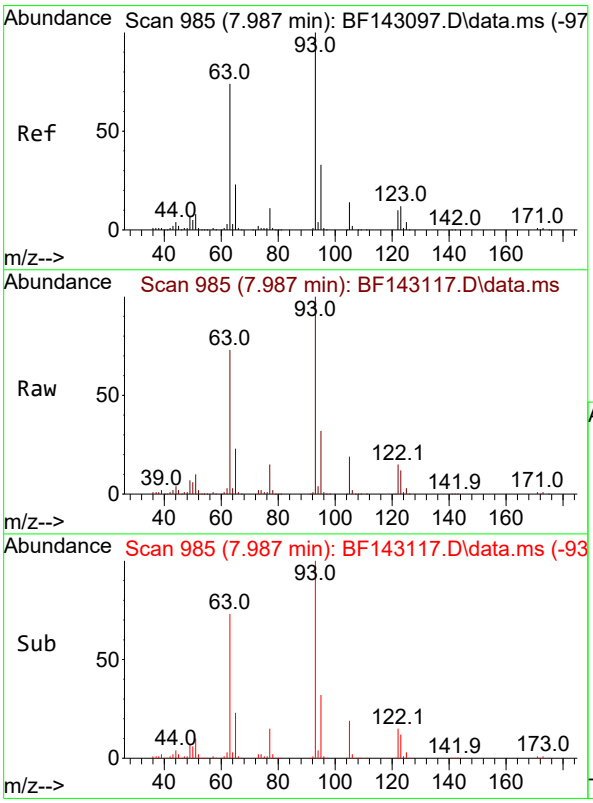
#31
Naphthalene
Concen: 39.140 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 991571

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.5	15.7

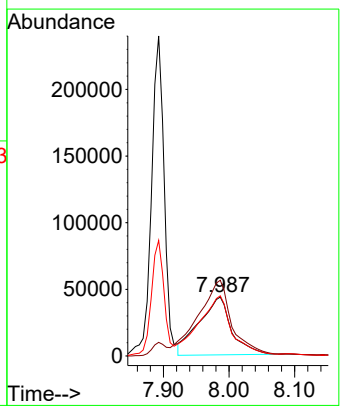


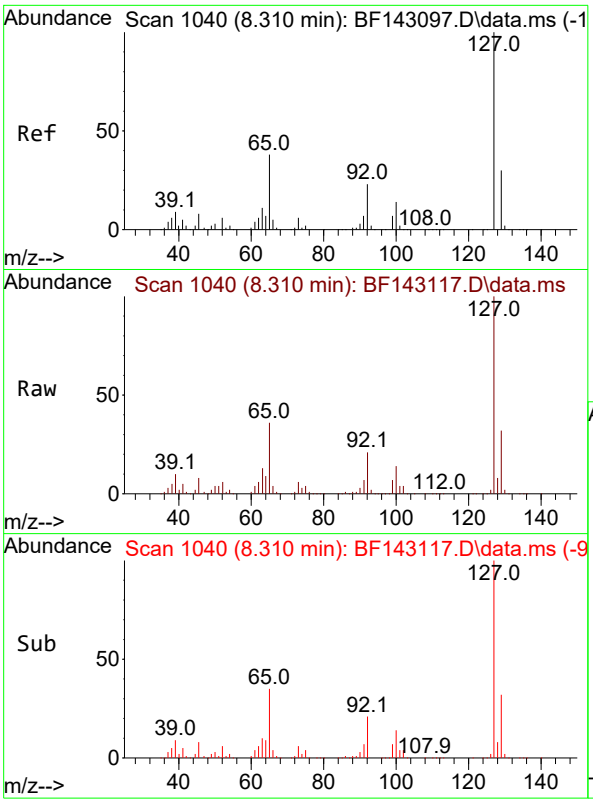


#32
Benzoic acid
Concen: 38.466 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:122 Resp: 150277

Ion	Ratio	Lower	Upper
122	100		
105	128.6	105.4	145.4
77	102.1	78.6	118.6



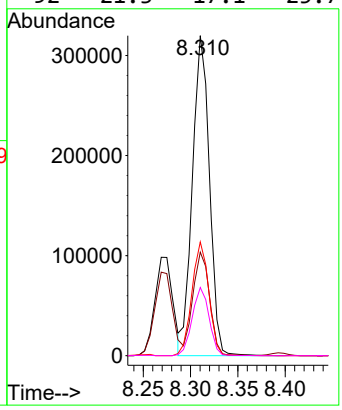


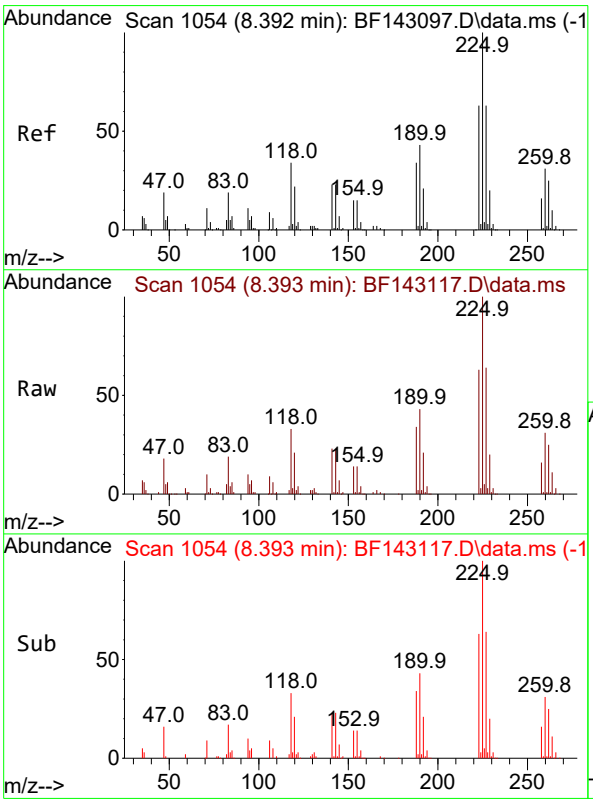
#33
4-Chloroaniline
Concen: 39.377 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 401159

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.2	39.4
65	35.5	28.6	42.8
92	21.3	17.1	25.7

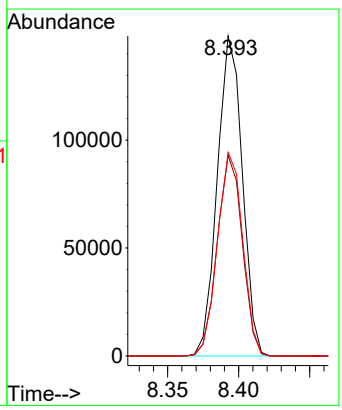


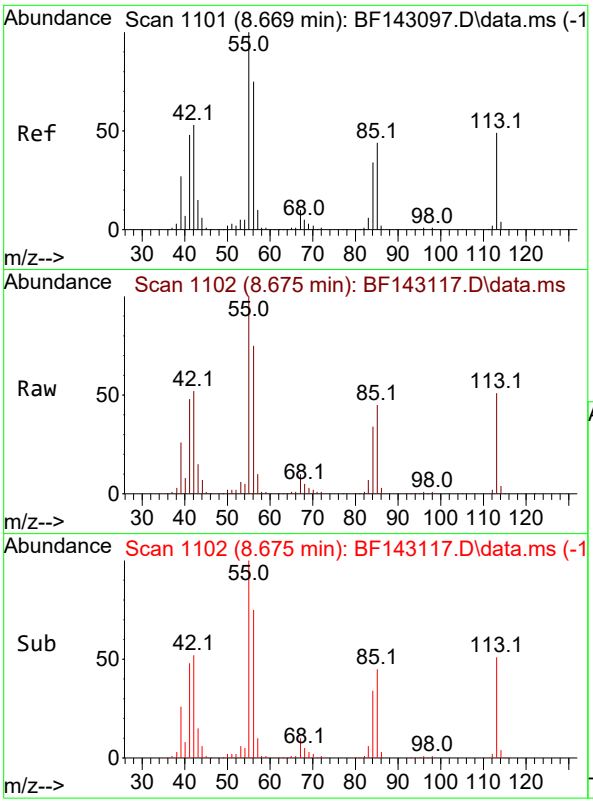


#34
Hexachlorobutadiene
Concen: 40.072 ng
RT: 8.393 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:225 Resp: 181527

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.3	75.5
227	63.6	50.1	75.1



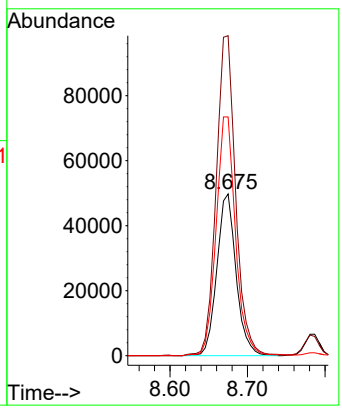


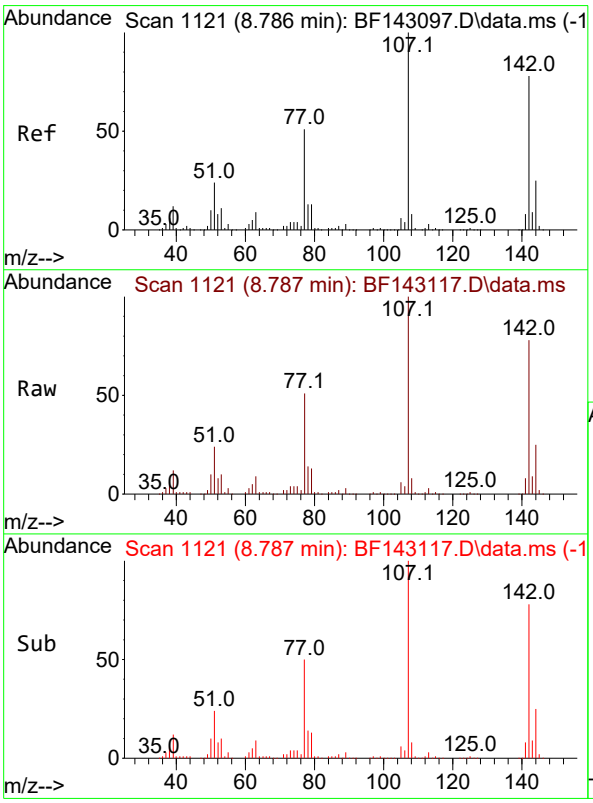
#35
Caprolactam
Concen: 41.190 ng
RT: 8.675 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 85847

Ion	Ratio	Lower	Upper
113	100		
55	197.8	186.2	226.2
56	147.6	134.1	174.1

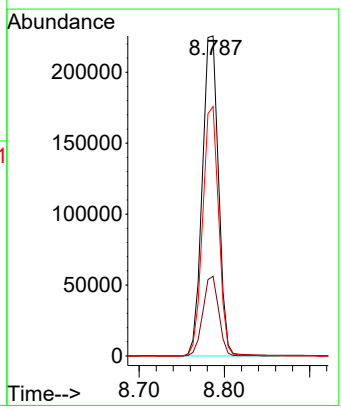


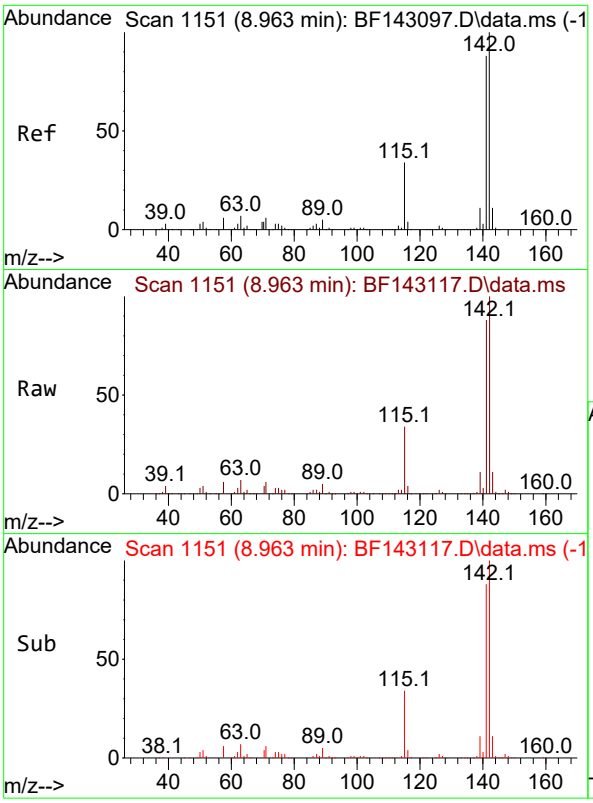


#36
4-Chloro-3-methylphenol
Concen: 40.192 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:107 Resp: 298817

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.2	30.2
142	77.9	62.4	93.6



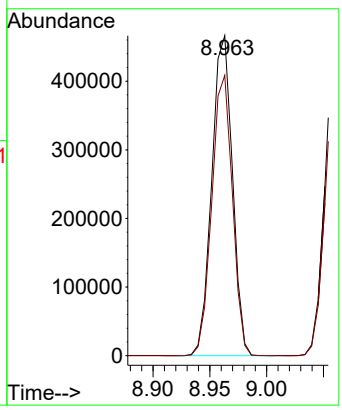


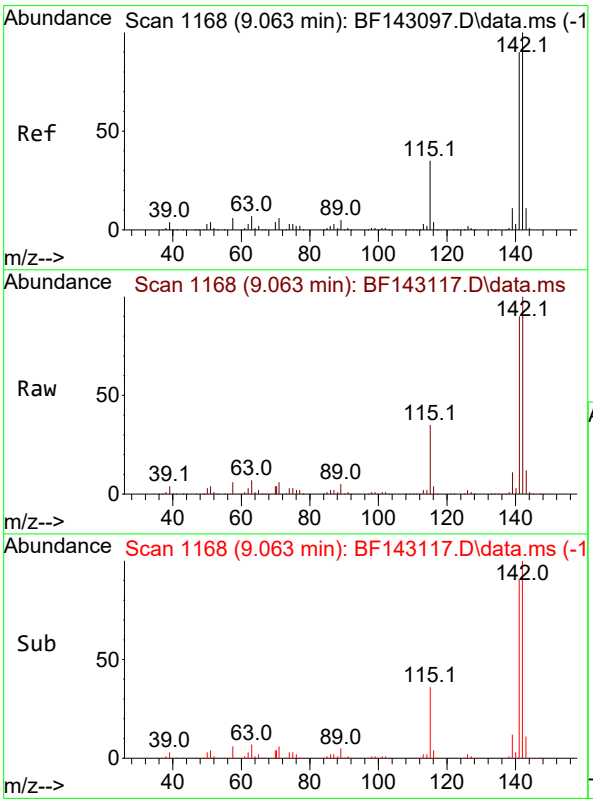
#37
2-Methylnaphthalene
Concen: 39.014 ng
RT: 8.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 589636

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.2	105.2

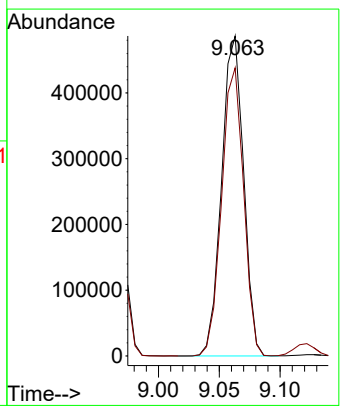


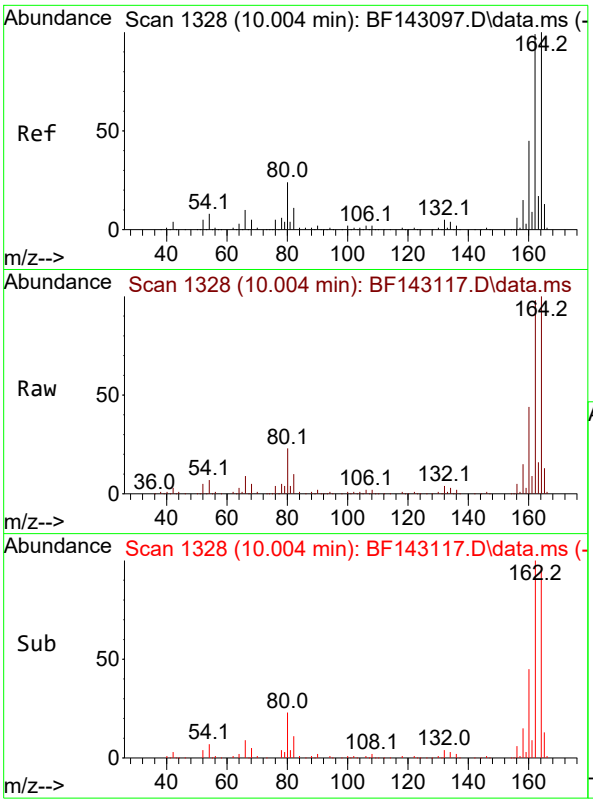


#38
1-Methylnaphthalene
Concen: 38.976 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:142 Resp: 610968

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.2	108.4



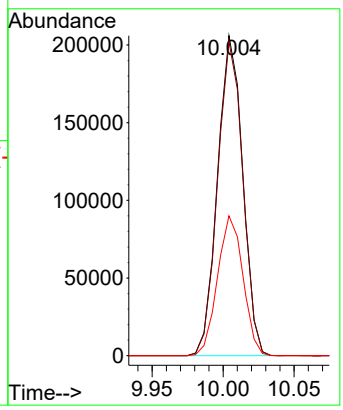


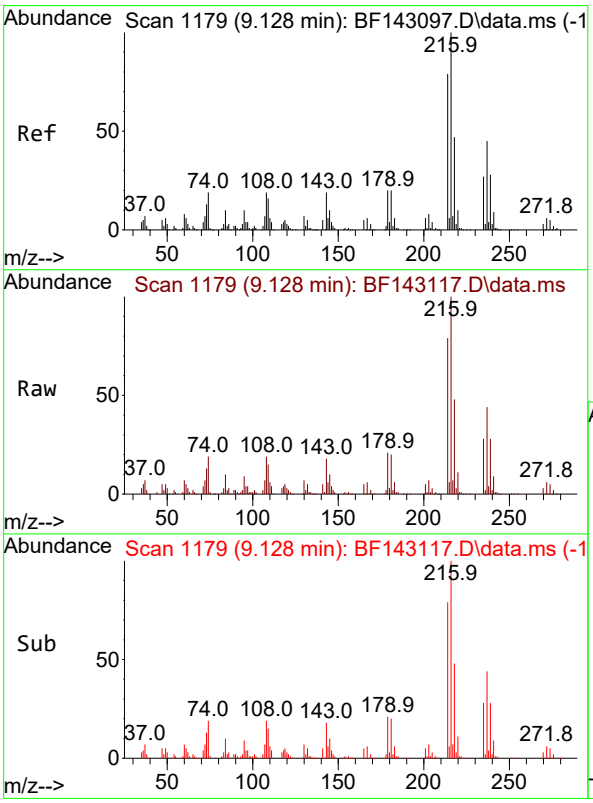
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 254065

Ion	Ratio	Lower	Upper
164	100		
162	98.2	79.0	118.6
160	43.7	35.8	53.6

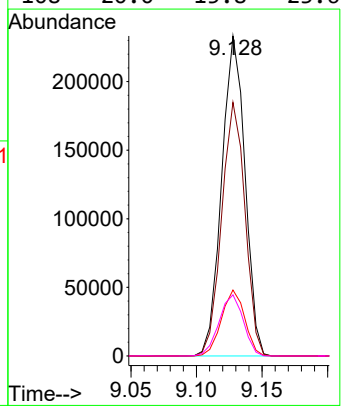


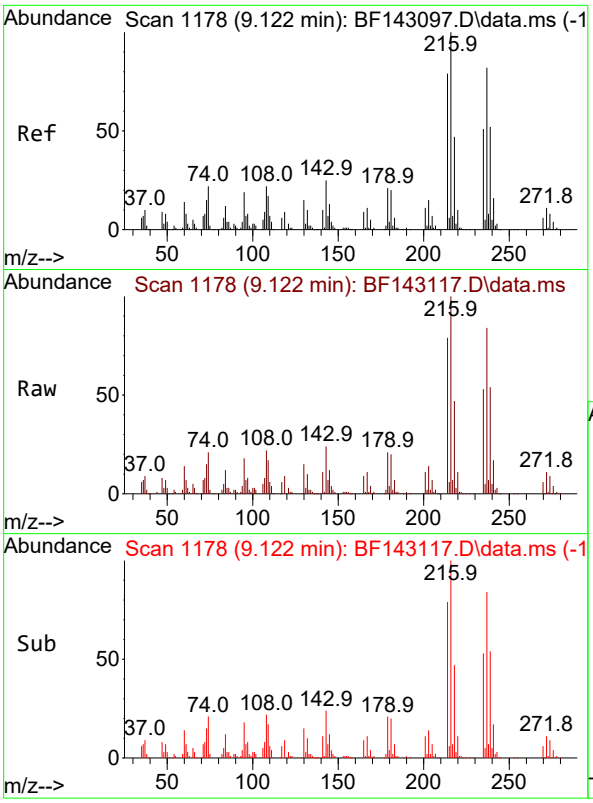


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.885 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:216 Resp: 287903

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.6	94.0
179	20.6	16.2	24.2
108	20.0	15.8	23.6



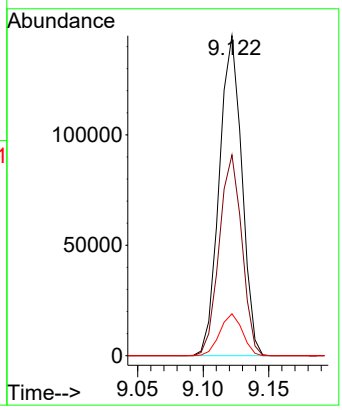


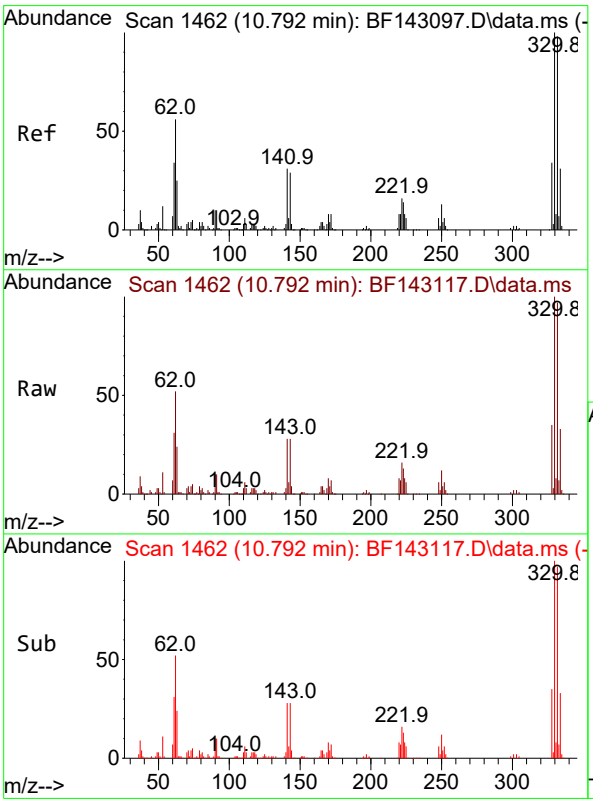
#41
Hexachlorocyclopentadiene
Concen: 42.225 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 173333

Ion	Ratio	Lower	Upper
237	100		
235	62.7	41.6	81.6
272	13.1	0.0	32.9

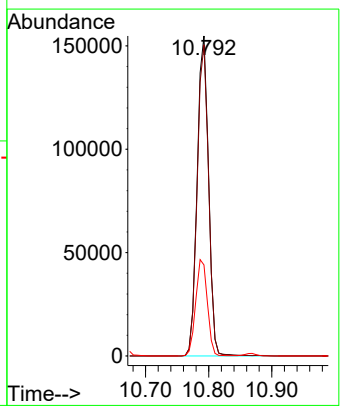


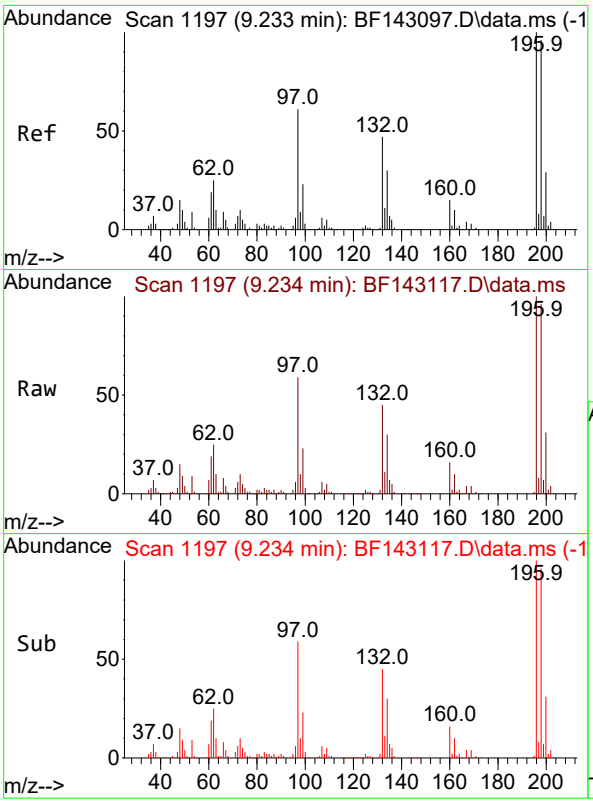


#42
2,4,6-Tribromophenol
Concen: 85.634 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:330 Resp: 193992

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.9	116.9
141	30.8	25.9	38.9



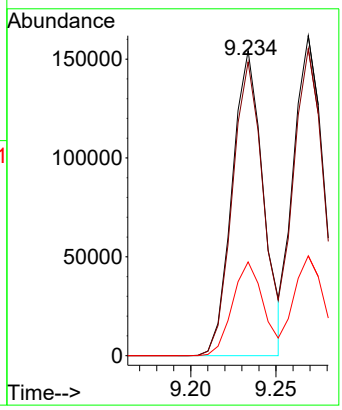


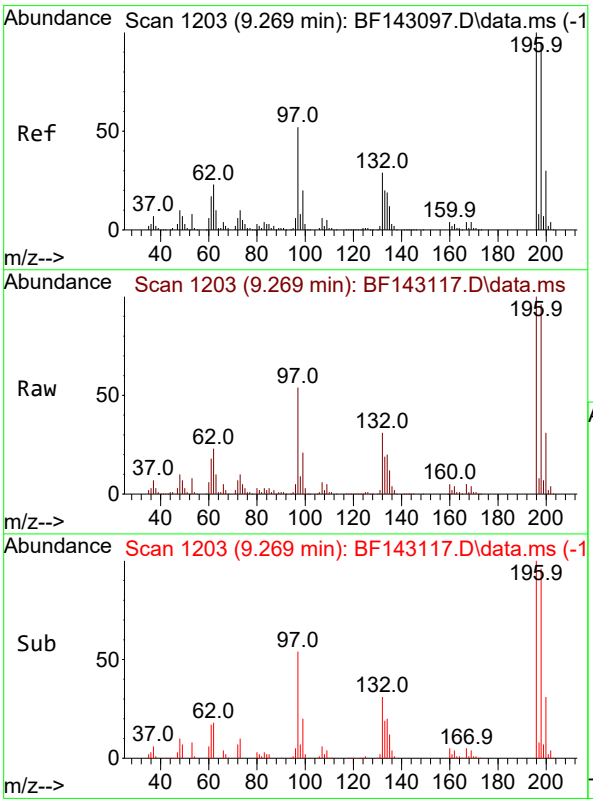
#43
2,4,6-Trichlorophenol
Concen: 42.600 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 195982

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.9	115.3
200	30.7	23.5	35.3

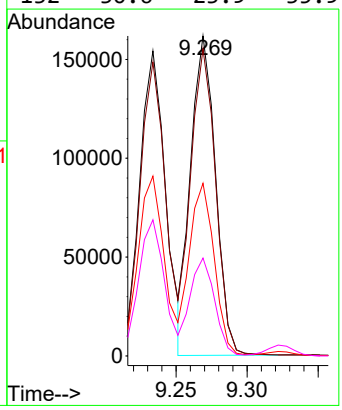


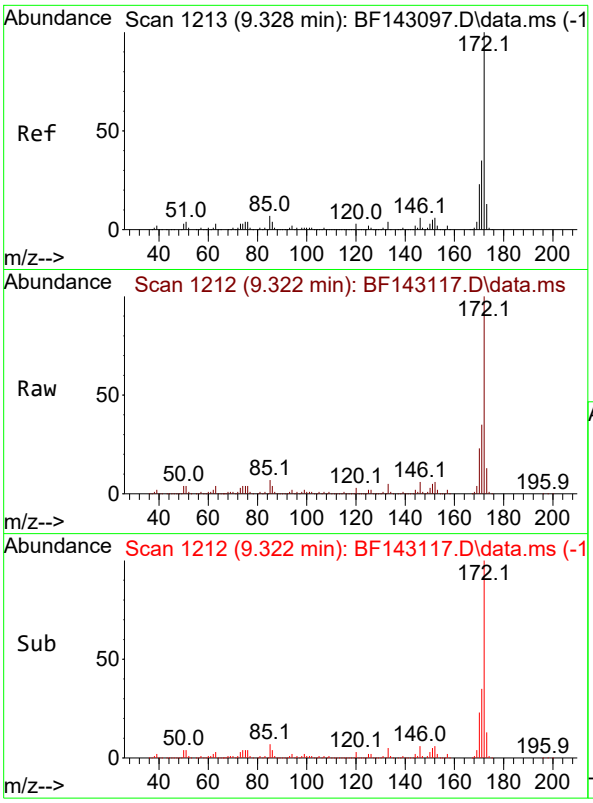


#44
2,4,5-Trichlorophenol
Concen: 40.747 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:196 Resp: 196557

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.4	114.6
97	53.9	42.4	63.6
132	30.6	23.9	35.9



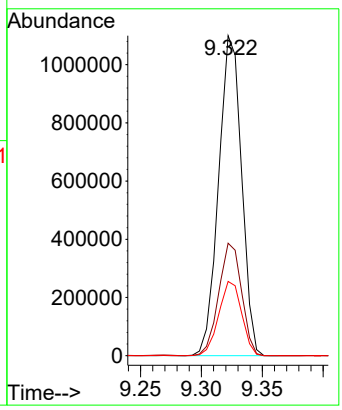


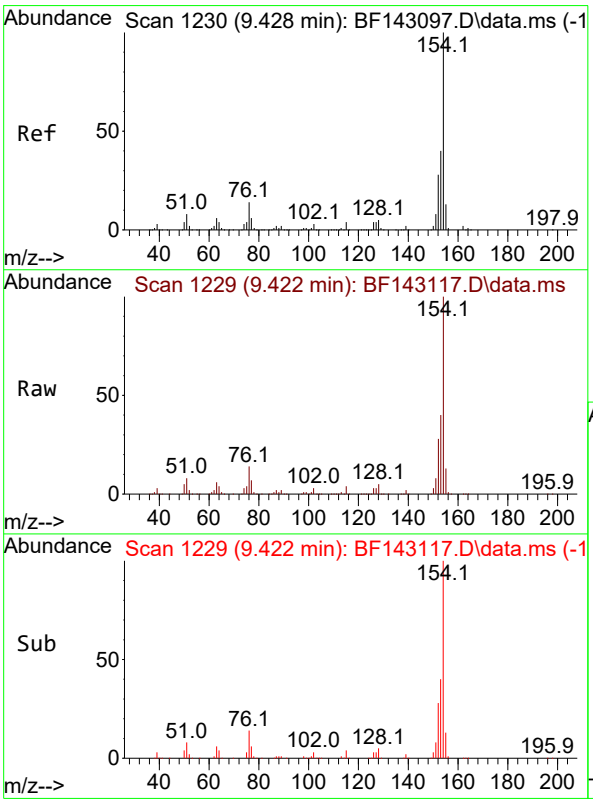
#45
2-Fluorobiphenyl
Concen: 75.570 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1444367

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	23.2	18.6	28.0

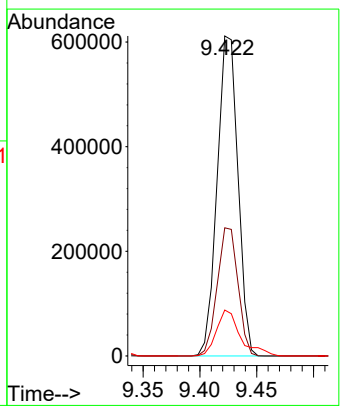


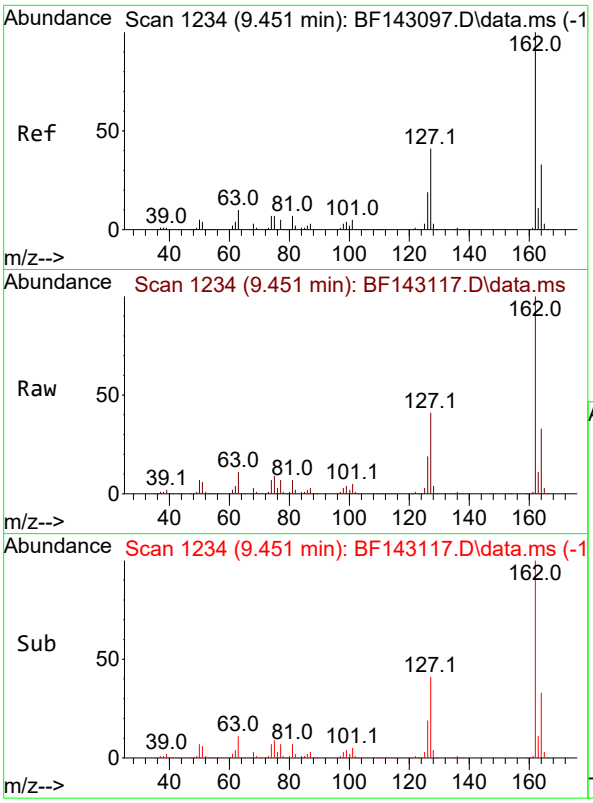


#46
1,1'-Biphenyl
Concen: 38.466 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:154 Resp: 779366

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.1	60.1
76	14.3	0.0	33.7



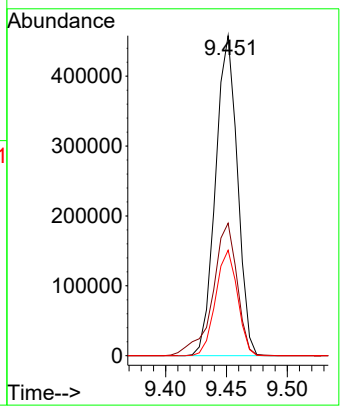


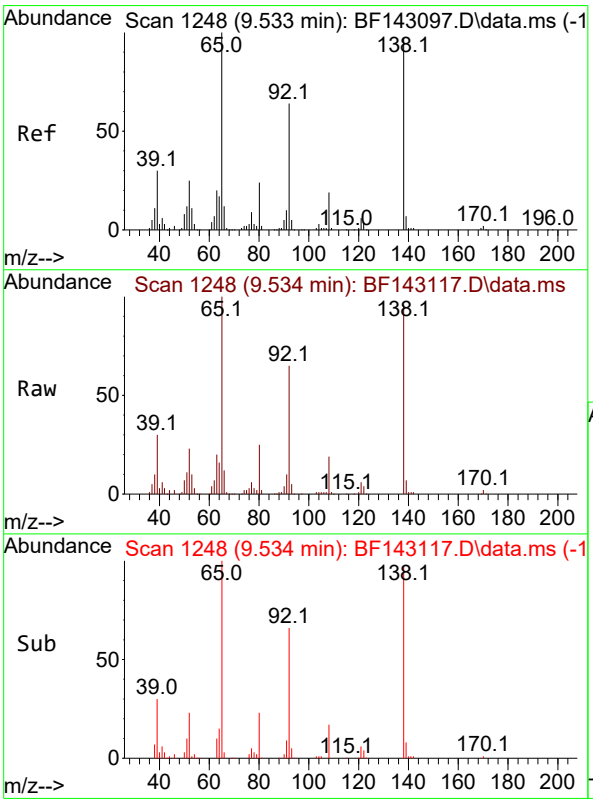
#47
2-Chloronaphthalene
Concen: 38.546 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 573731

Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.0	49.6
164	32.9	26.1	39.1

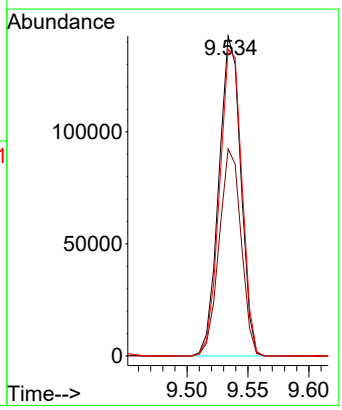


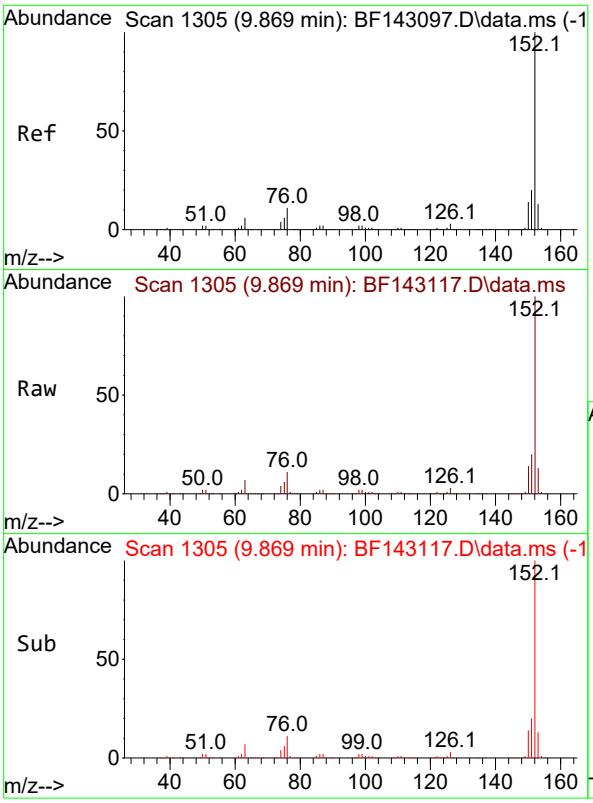


#48
2-Nitroaniline
Concen: 40.710 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.001 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion: 65 Resp: 178618

Ion	Ratio	Lower	Upper
65	100		
92	64.7	51.3	76.9
138	95.9	77.8	116.6



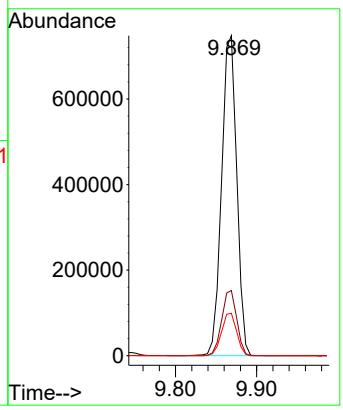


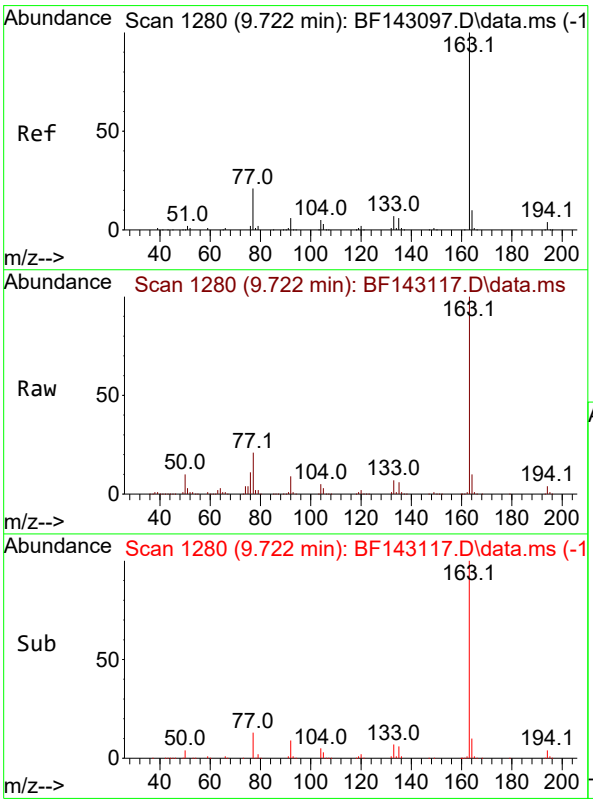
#49
Acenaphthylene
Concen: 39.176 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 971647

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.8	23.8
153	13.3	10.4	15.6

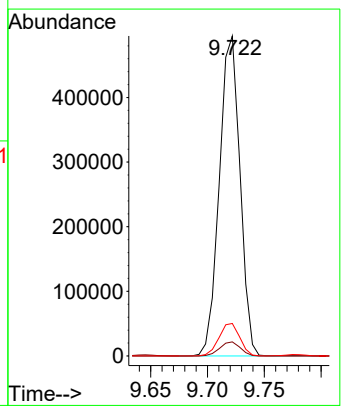


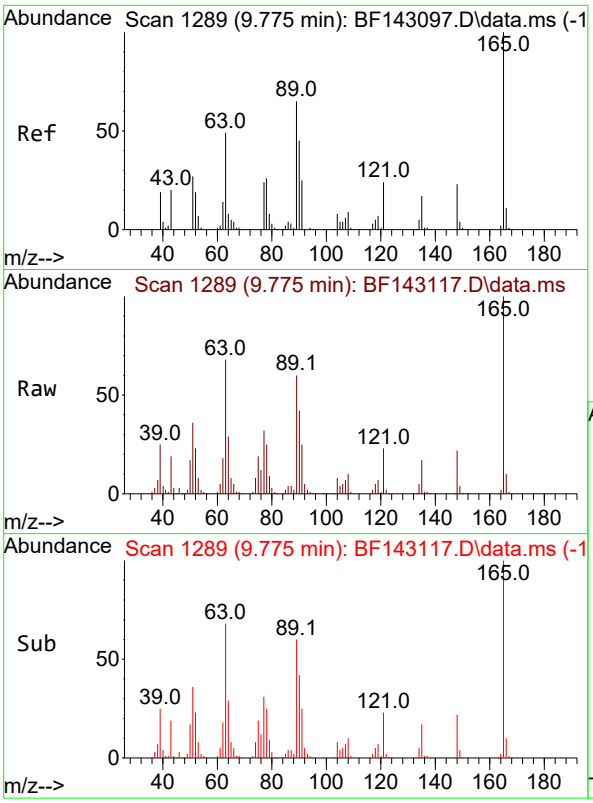


#50
Dimethylphthalate
Concen: 39.291 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:163 Resp: 628010

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.2	12.2



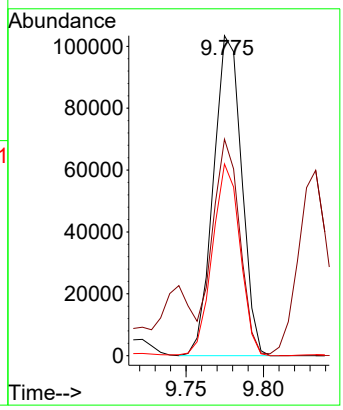


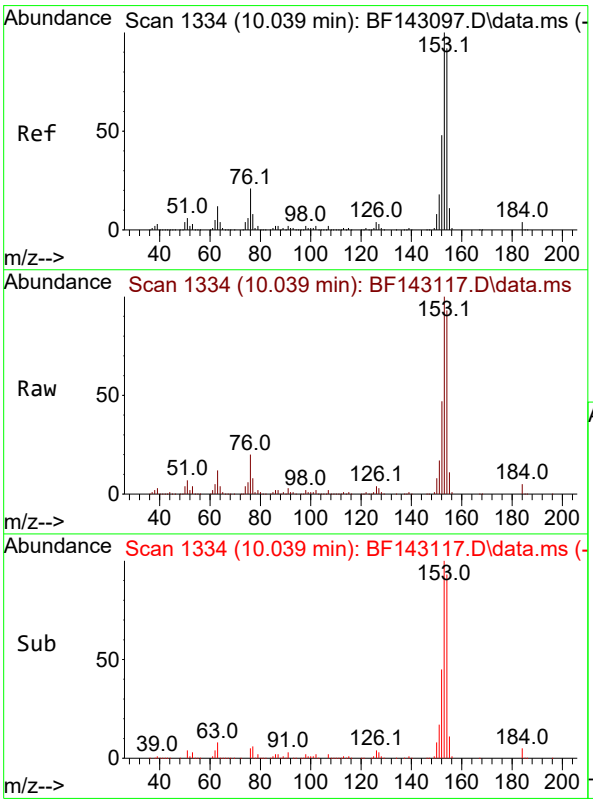
#51
2,6-Dinitrotoluene
Concen: 41.829 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 130906

Ion	Ratio	Lower	Upper
165	100		
63	67.7	57.4	86.0
89	59.9	51.8	77.8

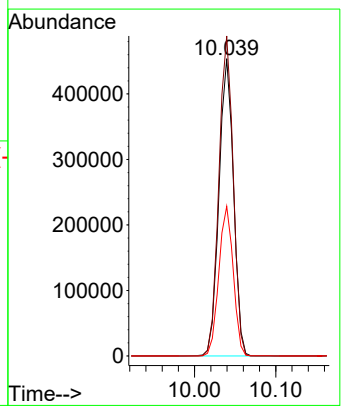


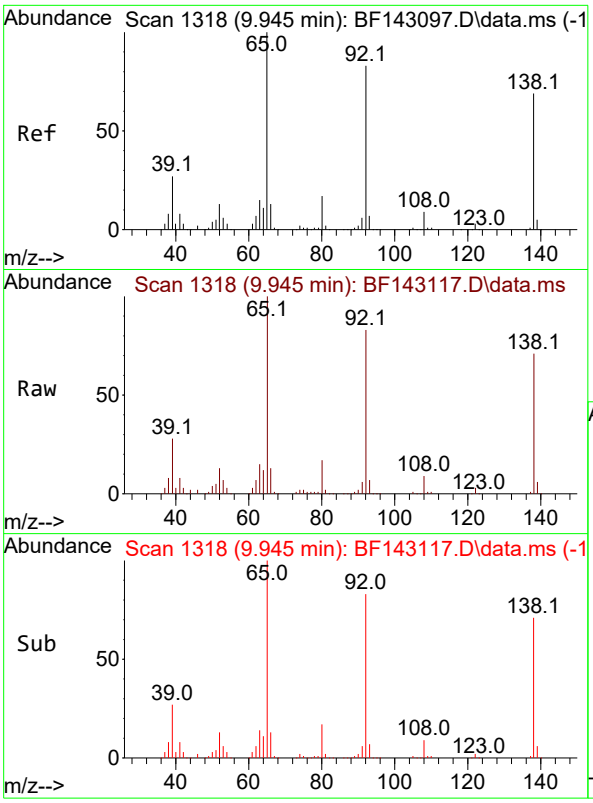


#52
Acenaphthene
Concen: 38.701 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:154 Resp: 566434

Ion	Ratio	Lower	Upper
154	100		
153	107.6	86.7	130.1
152	50.3	41.4	62.2



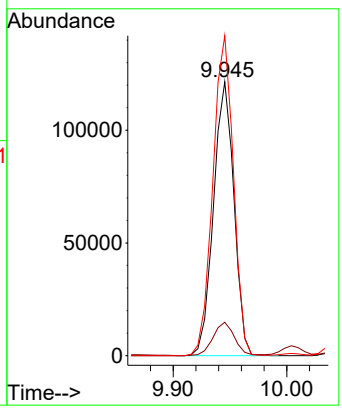


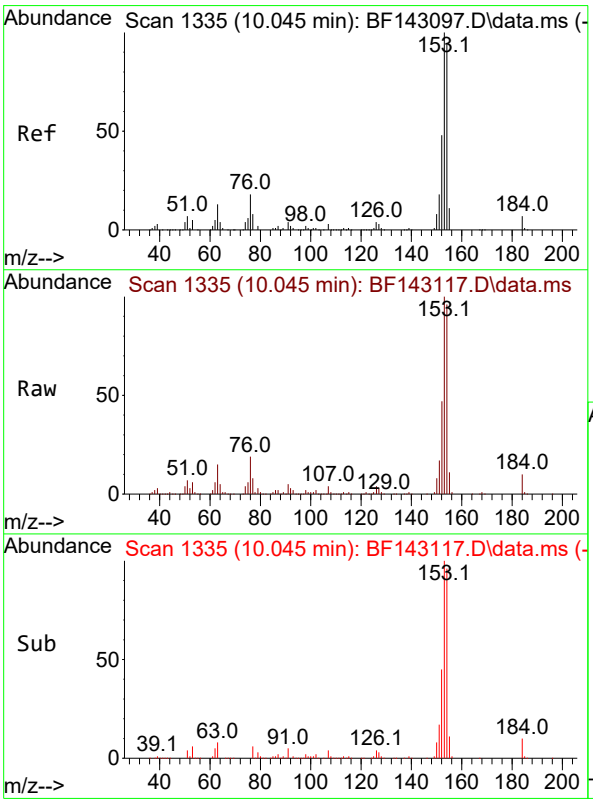
#53
3-Nitroaniline
Concen: 43.942 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 151765

Ion	Ratio	Lower	Upper
138	100		
108	12.2	10.1	15.1
92	116.8	96.4	144.6

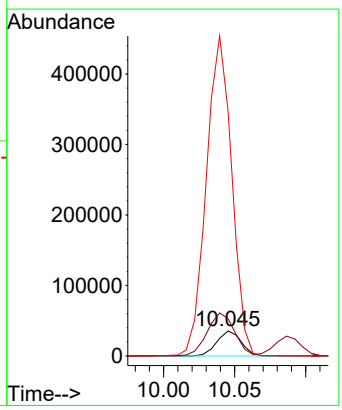


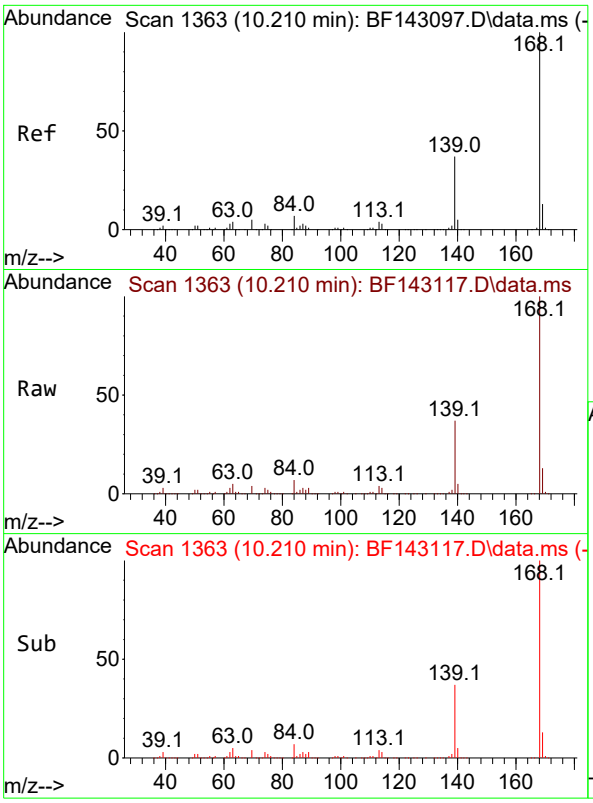


#54
2,4-Dinitrophenol
Concen: 42.980 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:184 Resp: 41904

Ion	Ratio	Lower	Upper
184	100		
63	149.9	149.3	223.9
154	980.5	1048.0	1572.0#



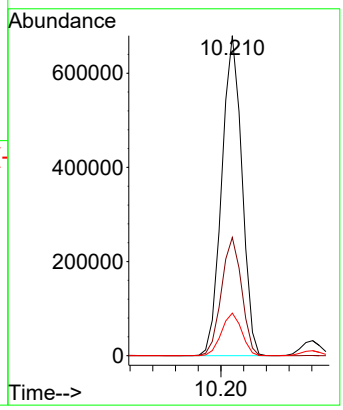


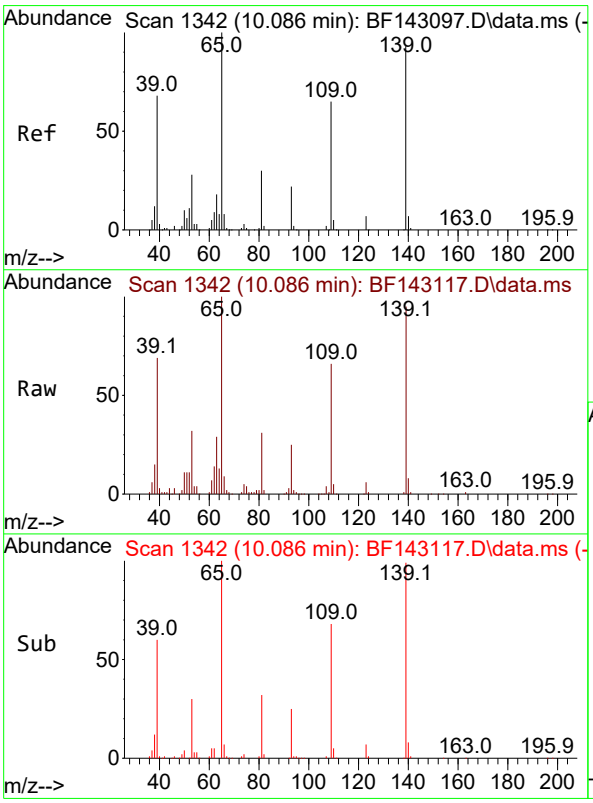
#55
Dibenzofuran
Concen: 38.413 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 838011

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.8	44.6
169	13.3	10.8	16.2

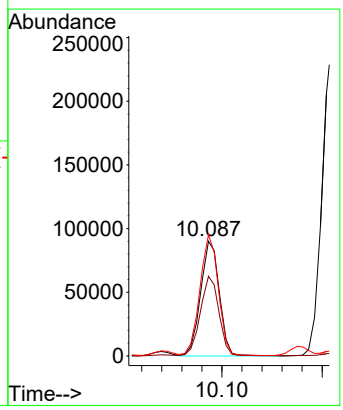


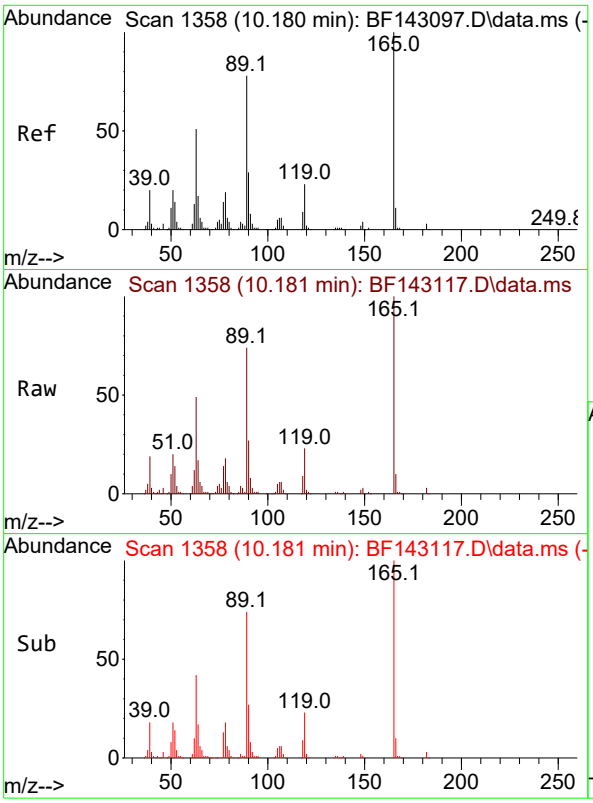


#56
4-Nitrophenol
Concen: 42.650 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:139 Resp: 117068

Ion	Ratio	Lower	Upper
139	100		
109	69.5	49.4	89.4
65	105.7	88.2	128.2



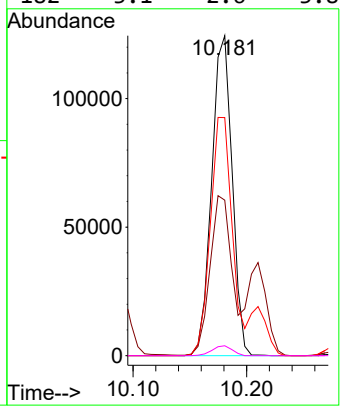


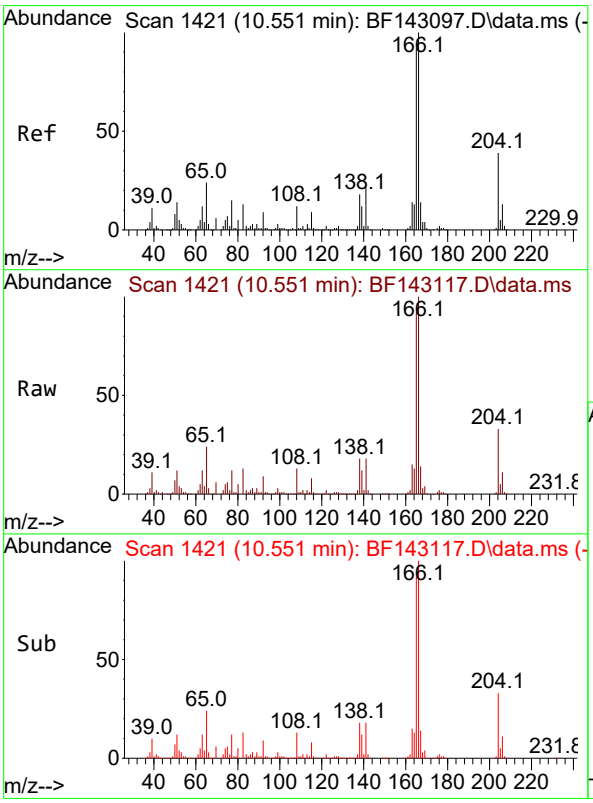
#57
2,4-Dinitrotoluene
Concen: 40.106 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 155813

Ion	Ratio	Lower	Upper
165	100		
63	48.6	40.6	61.0
89	74.4	62.3	93.5
182	3.1	2.6	3.8

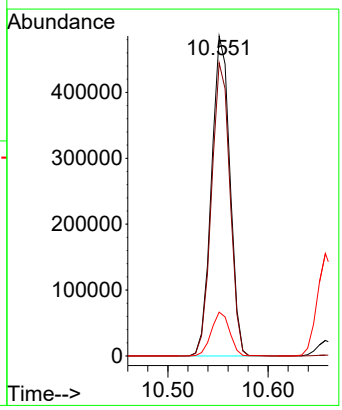


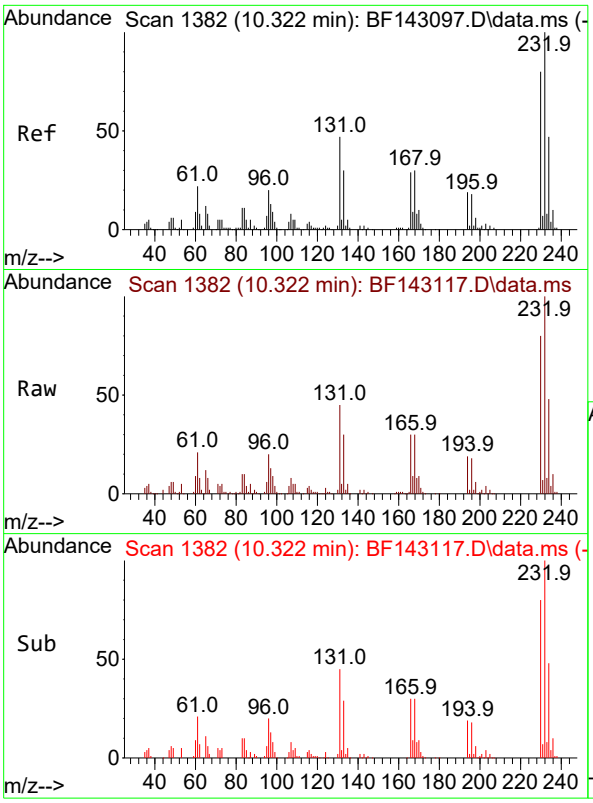


#58
Fluorene
Concen: 37.875 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:166 Resp: 619482

Ion	Ratio	Lower	Upper
166	100		
165	91.6	73.7	110.5
167	13.7	10.9	16.3



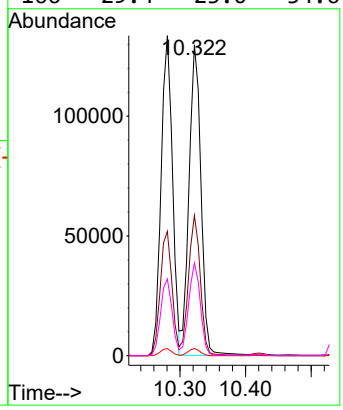


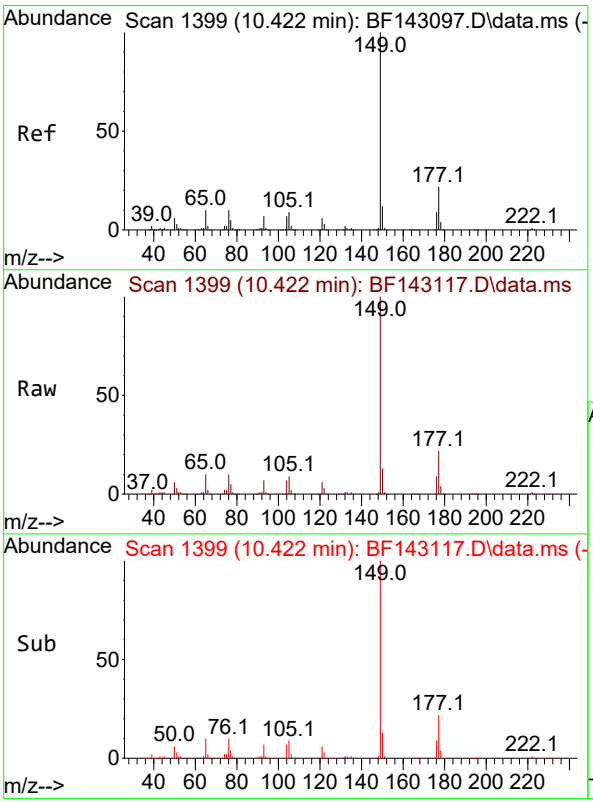
#59
2,3,4,6-Tetrachlorophenol
Concen: 42.914 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 164509

Ion	Ratio	Lower	Upper
232	100		
131	44.1	36.9	55.3
130	2.3	1.8	2.8
166	29.4	23.0	34.6

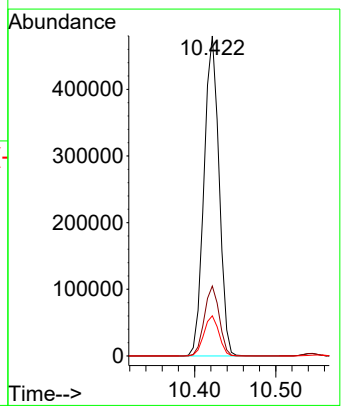


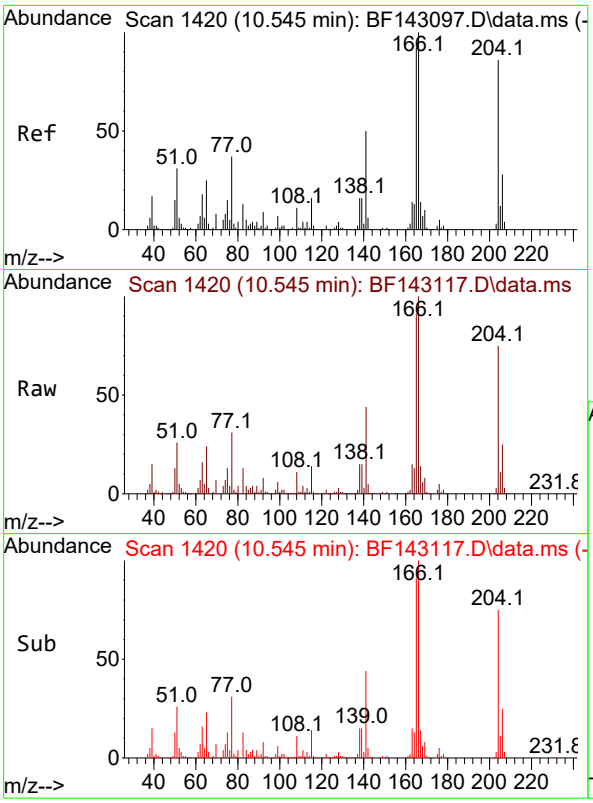


#60
Diethylphthalate
Concen: 39.920 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 615586

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.3	25.9
150	12.6	9.9	14.9



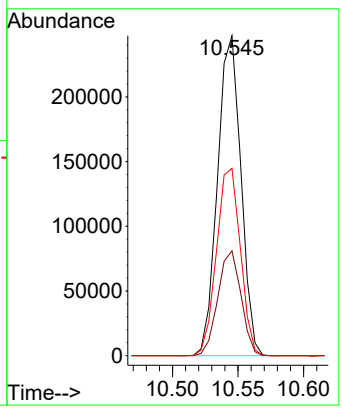


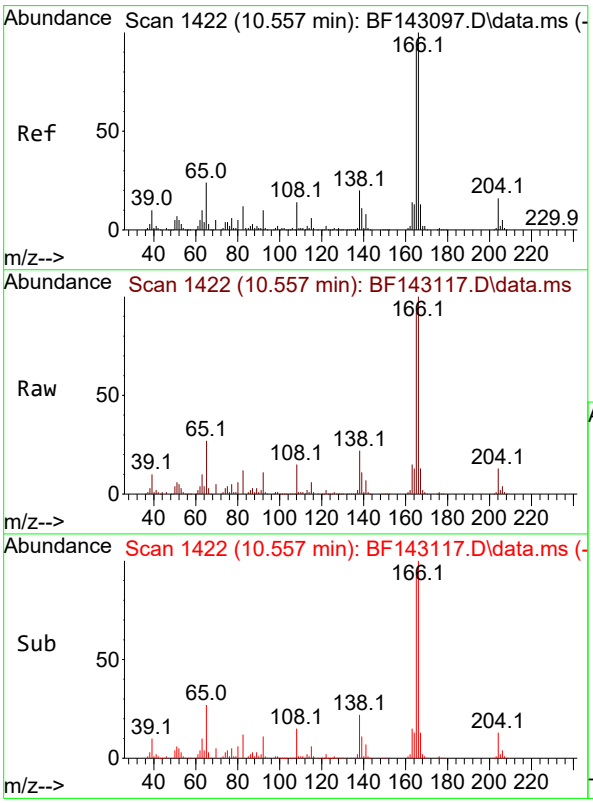
#61
4-Chlorophenyl-phenylether
Concen: 39.072 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 306293

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	58.6	46.8	70.2

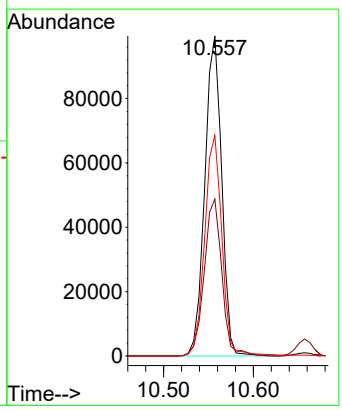


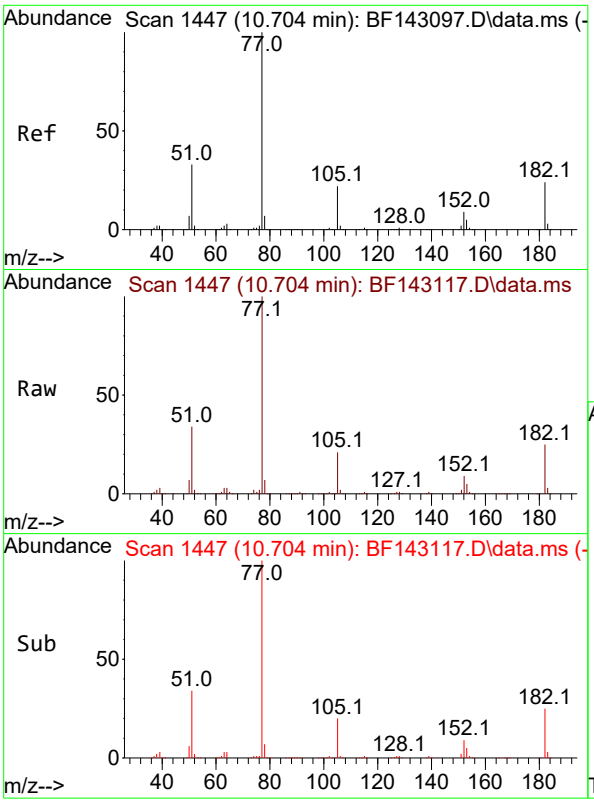


#62
4-Nitroaniline
Concen: 43.204 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:138 Resp: 129761

Ion	Ratio	Lower	Upper
138	100		
92	49.1	30.4	70.4
108	68.9	49.5	89.5



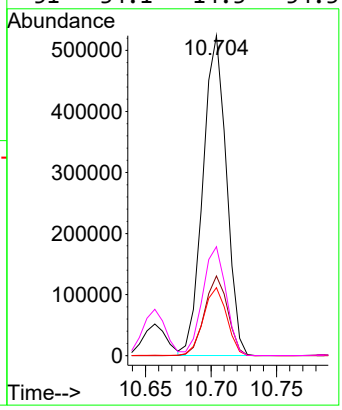


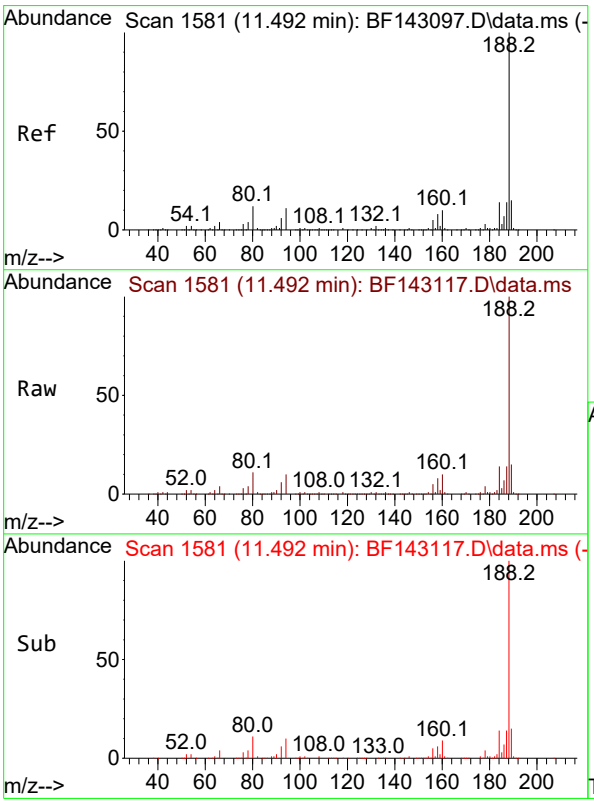
#63
Azobenzene
Concen: 38.265 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 652575

Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.0	44.0
105	21.3	1.4	41.4
51	34.1	14.3	54.3

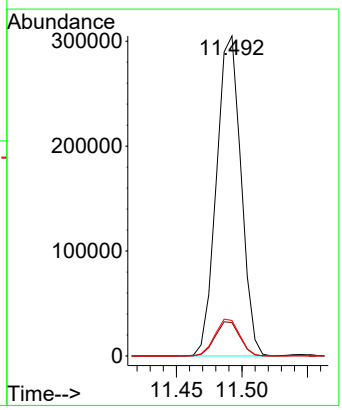


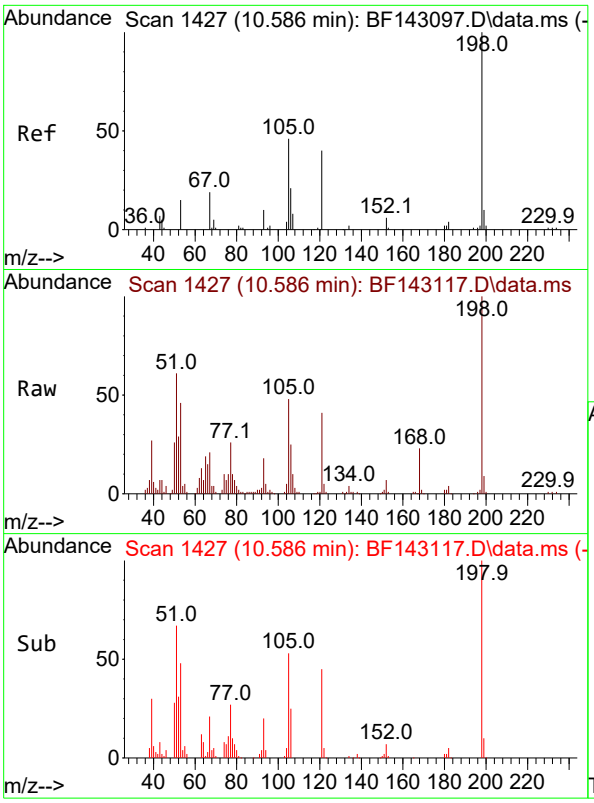


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:188 Resp: 397173

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.6	13.0
80	11.1	9.3	13.9



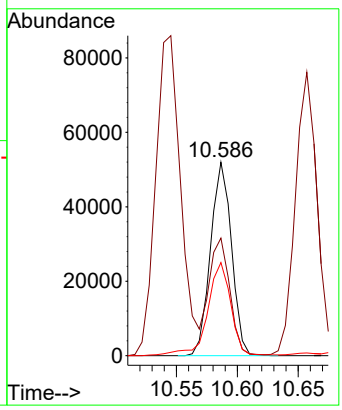


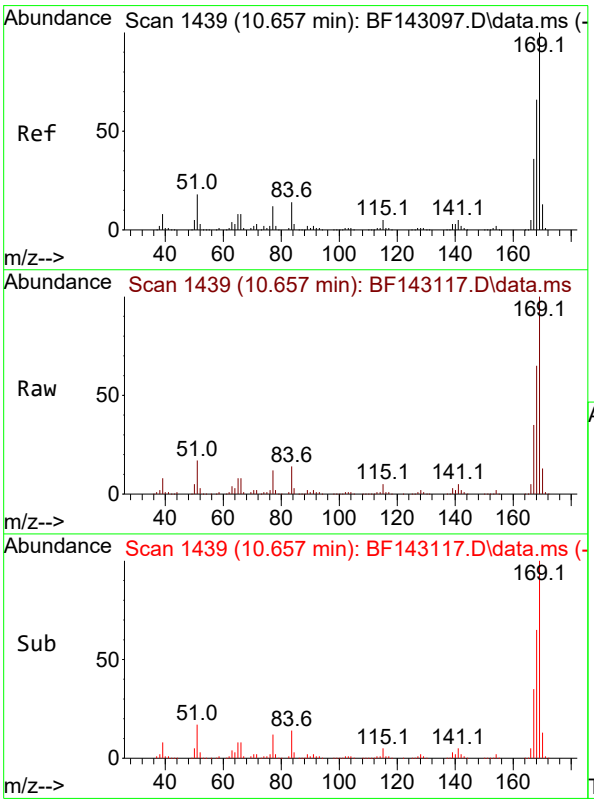
#65
4,6-Dinitro-2-methylphenol
Concen: 43.295 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 62192

Ion	Ratio	Lower	Upper
198	100		
51	60.8	44.6	84.6
105	48.2	29.3	69.3

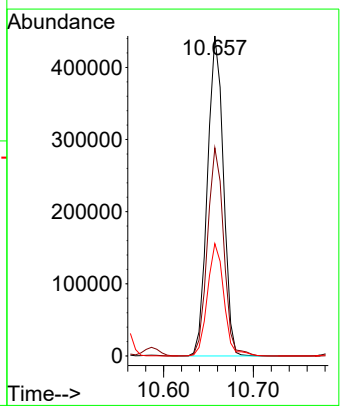


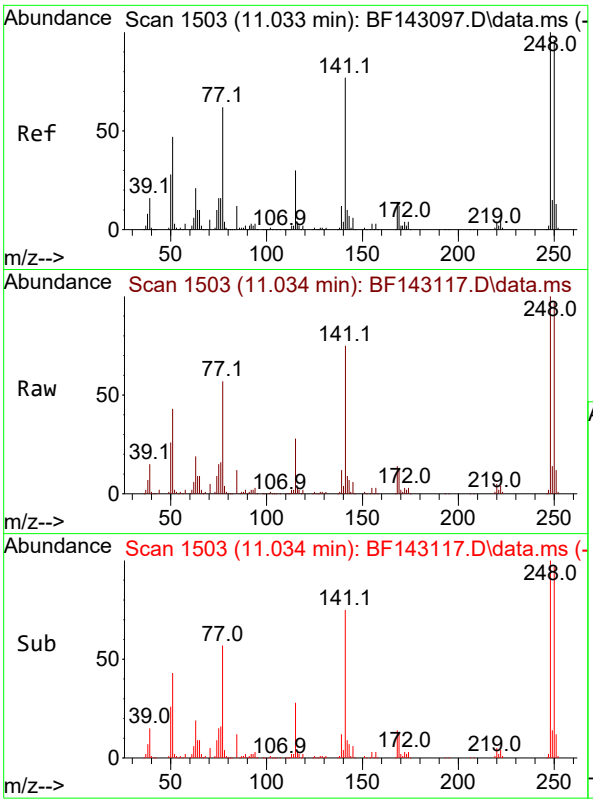


#66
n-Nitrosodiphenylamine
Concen: 39.129 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:169 Resp: 545898

Ion	Ratio	Lower	Upper
169	100		
168	65.1	53.0	79.6
167	35.1	28.4	42.6



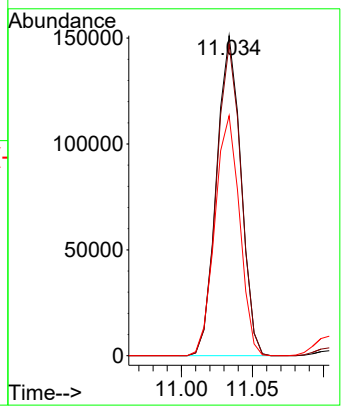


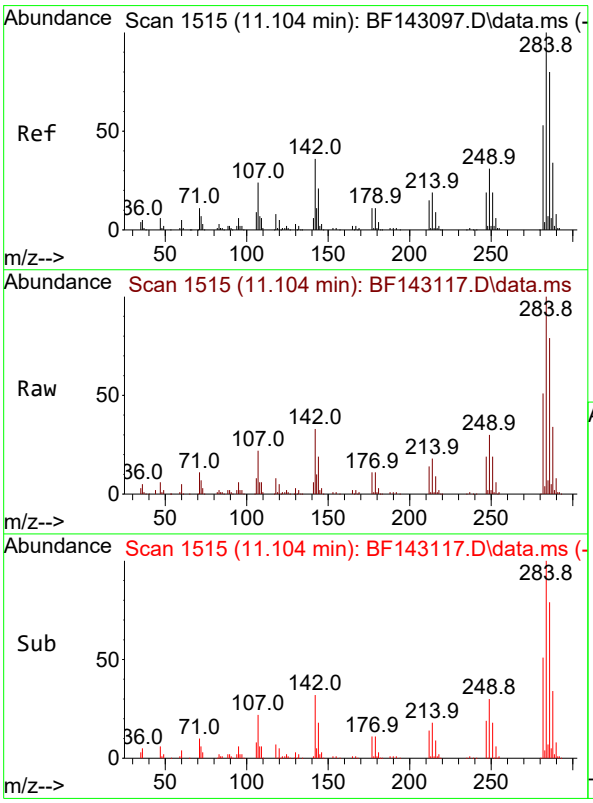
#67
4-Bromophenyl-phenylether
Concen: 39.949 ng
RT: 11.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 180440

Ion	Ratio	Lower	Upper
248	100		
250	97.3	76.7	115.1
141	75.0	61.7	92.5

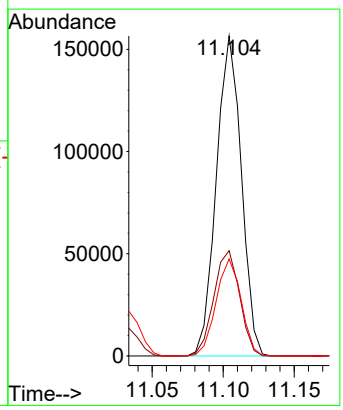


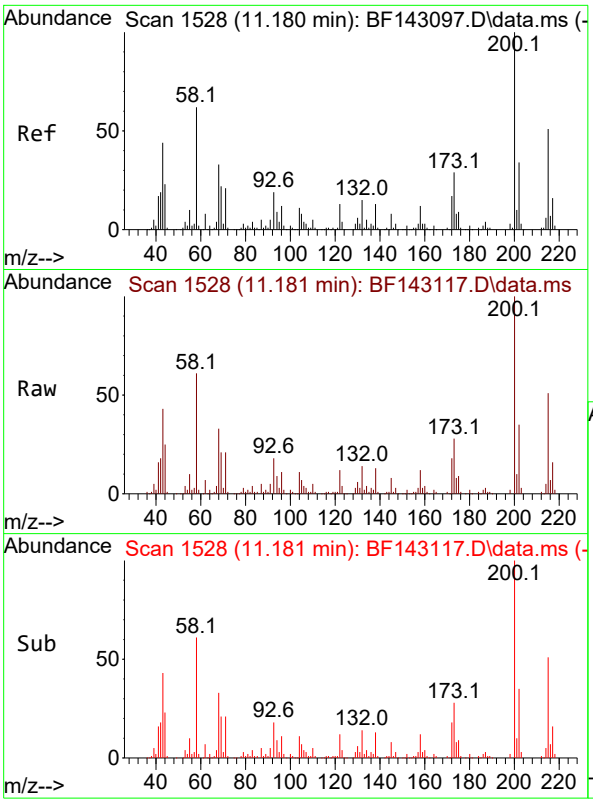


#68
Hexachlorobenzene
Concen: 39.950 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:284 Resp: 191457

Ion	Ratio	Lower	Upper
284	100		
142	32.9	28.9	43.3
249	30.3	24.6	37.0



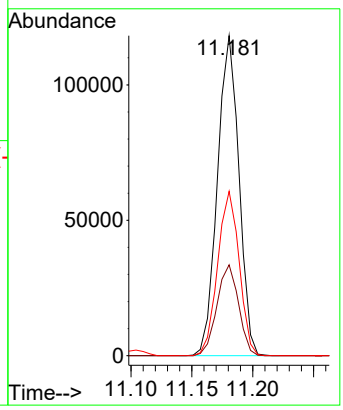


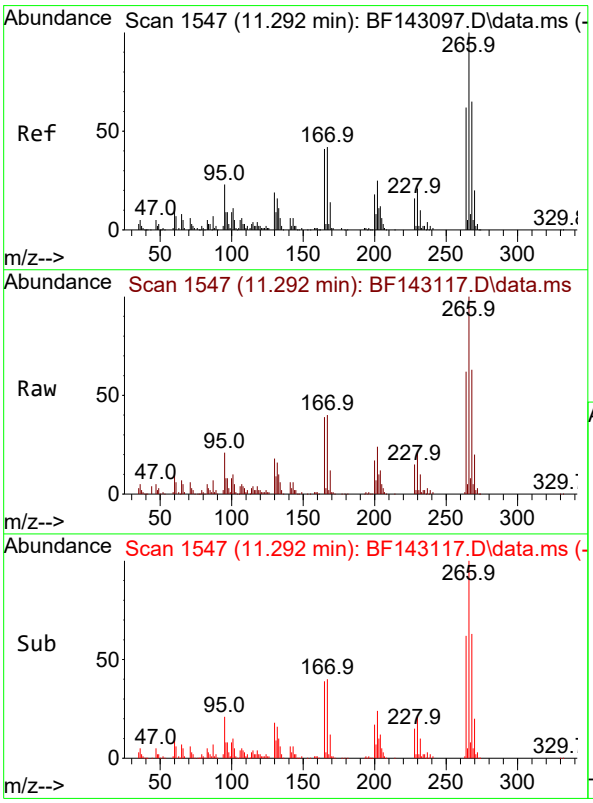
#69
Atrazine
Concen: 40.708 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 145300

Ion	Ratio	Lower	Upper
200	100		
173	28.4	9.1	49.1
215	51.4	31.0	71.0

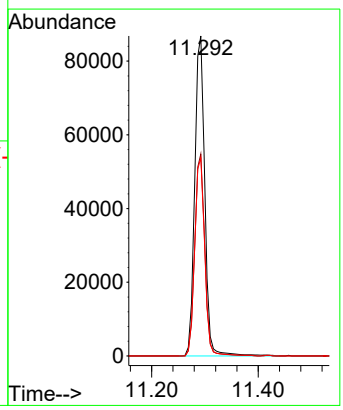


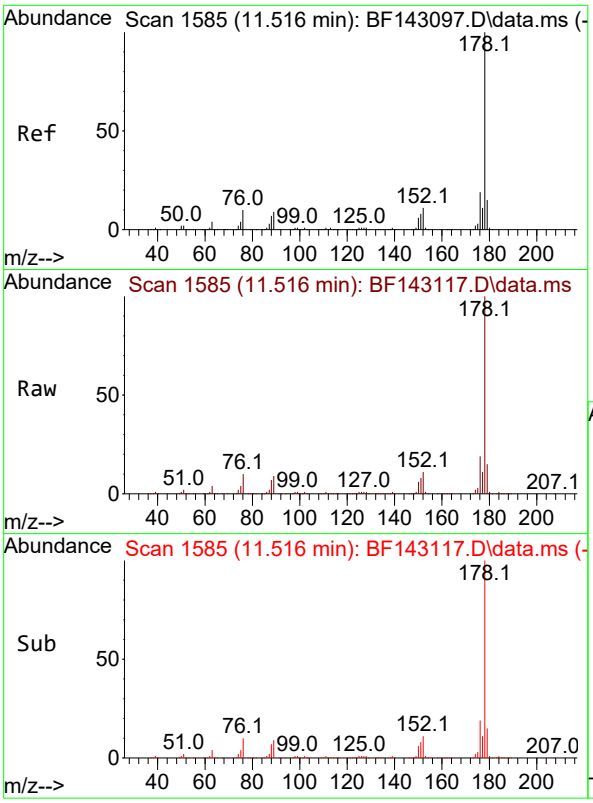


#70
Pentachlorophenol
Concen: 43.376 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:266 Resp: 114049

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.8	77.6
264	62.0	49.7	74.5



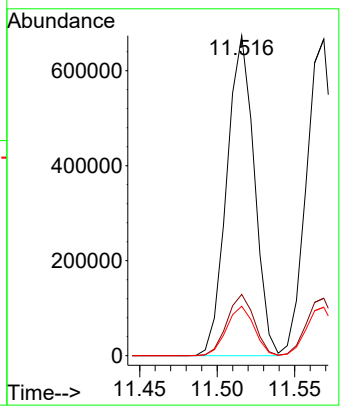


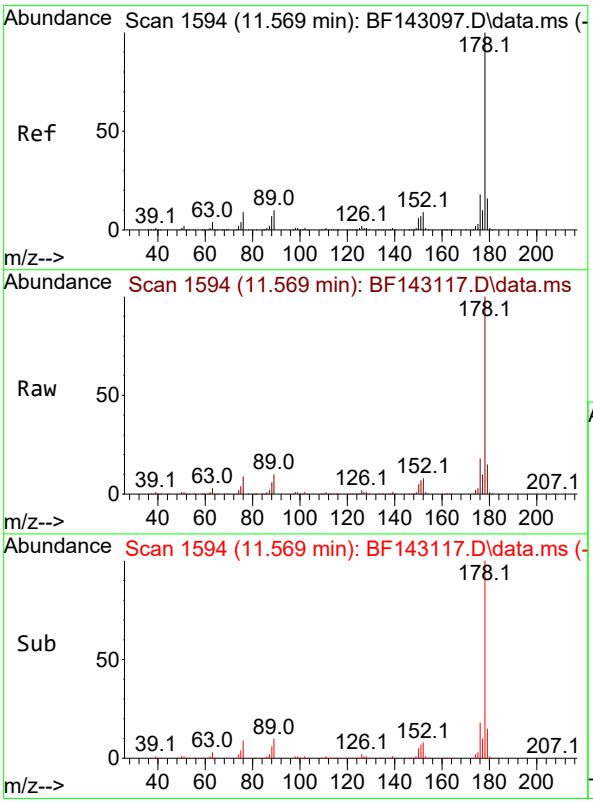
#71
Phenanthrene
Concen: 38.780 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 831246

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.4	12.2	18.4

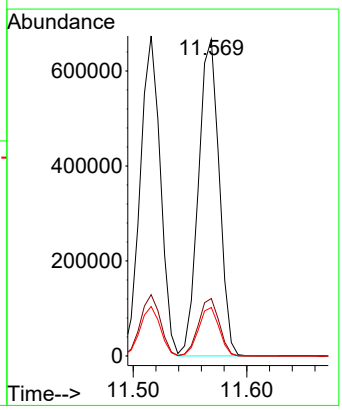


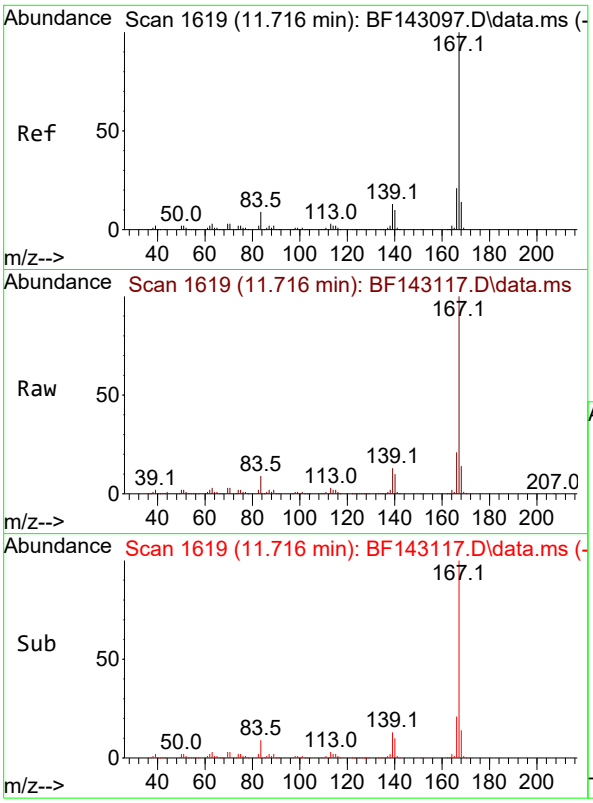


#72
Anthracene
Concen: 39.169 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:178 Resp: 844296

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.7	22.1
179	15.3	12.4	18.6



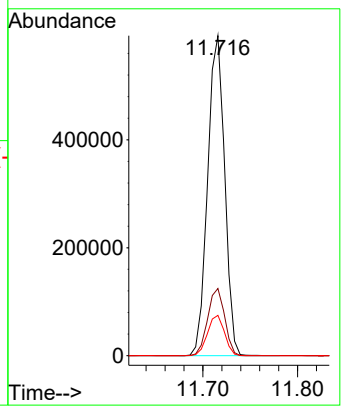


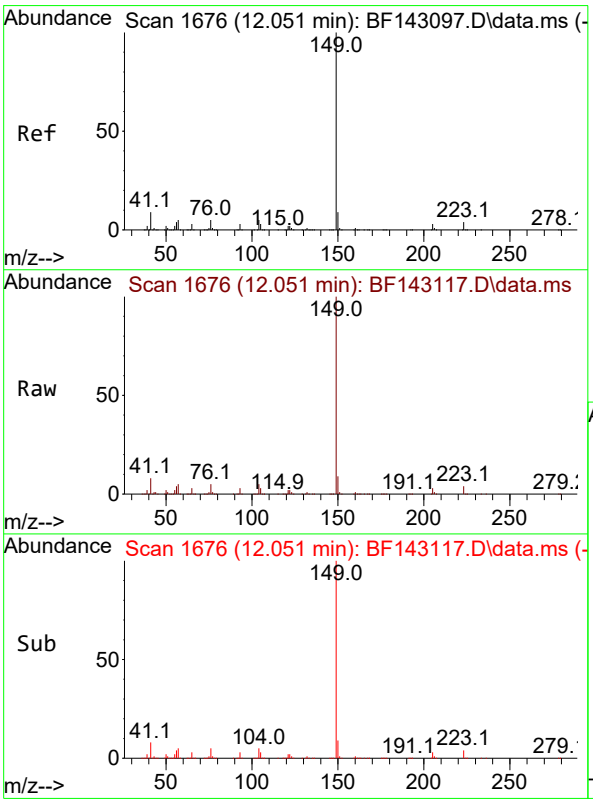
#73
Carbazole
Concen: 38.436 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 742234

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.6	10.2	15.4

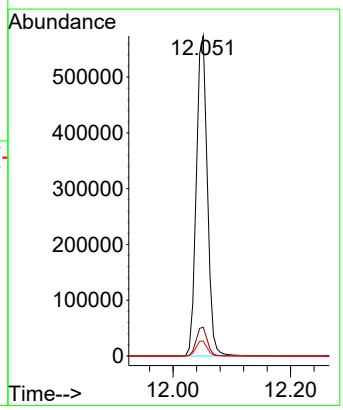


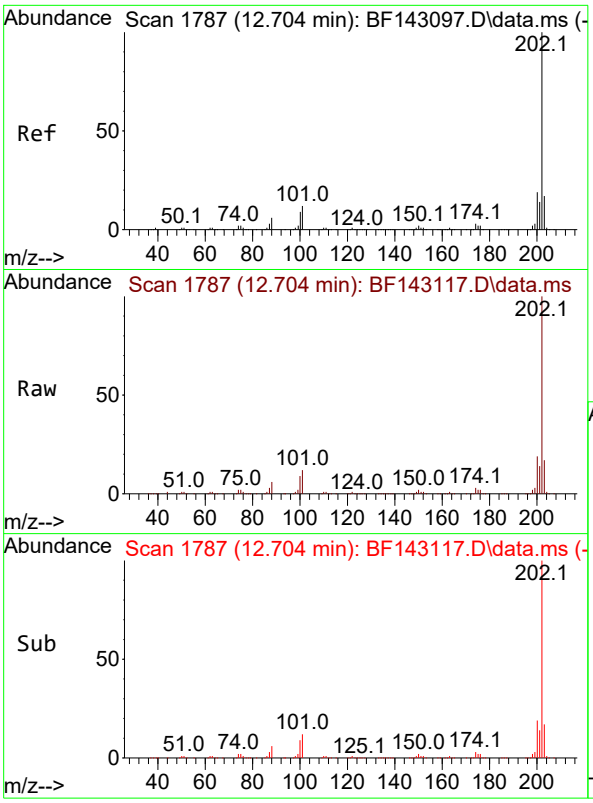


#74
Di-n-butylphthalate
Concen: 41.970 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 743944

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.6	3.8	5.8



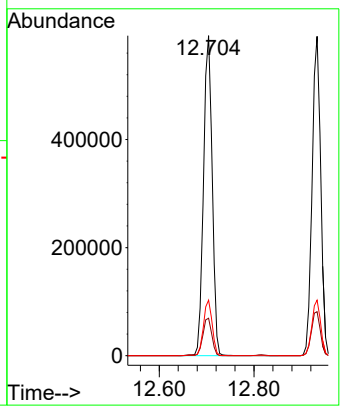


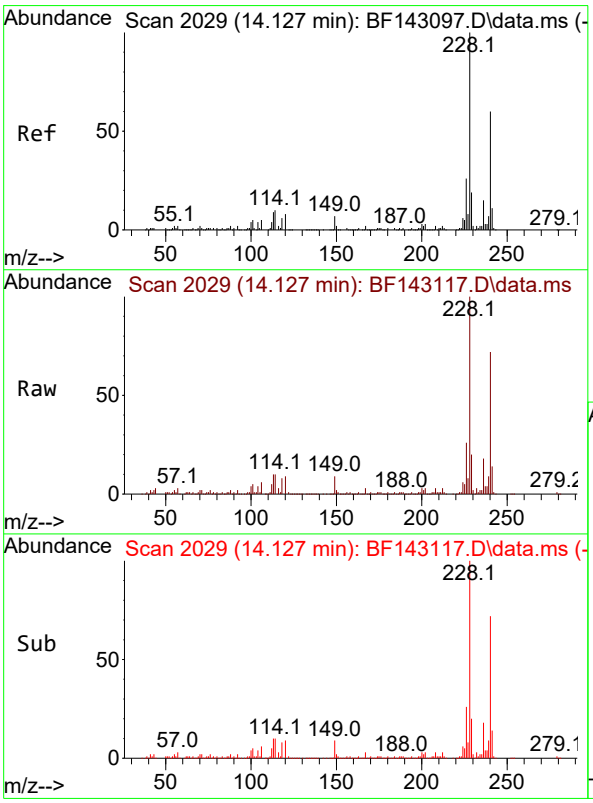
#75
Fluoranthene
Concen: 38.604 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 752396

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	17.4	0.0	37.4

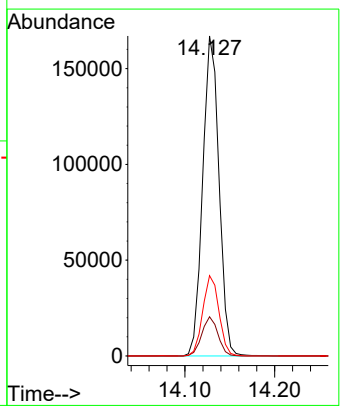


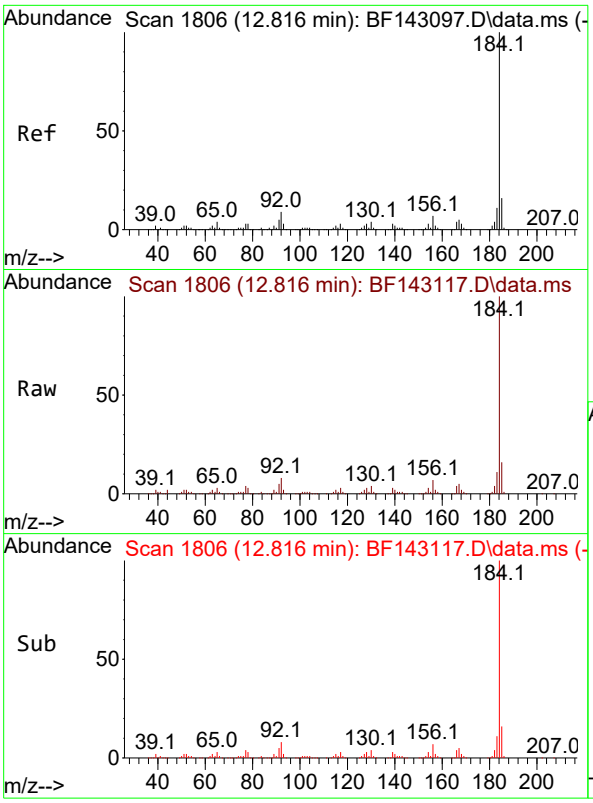


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:240 Resp: 210714

Ion	Ratio	Lower	Upper
240	100		
120	12.3	10.0	15.0
236	25.1	20.0	30.0



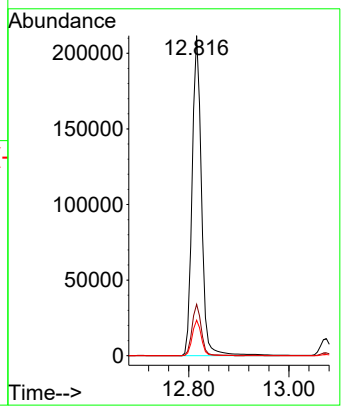


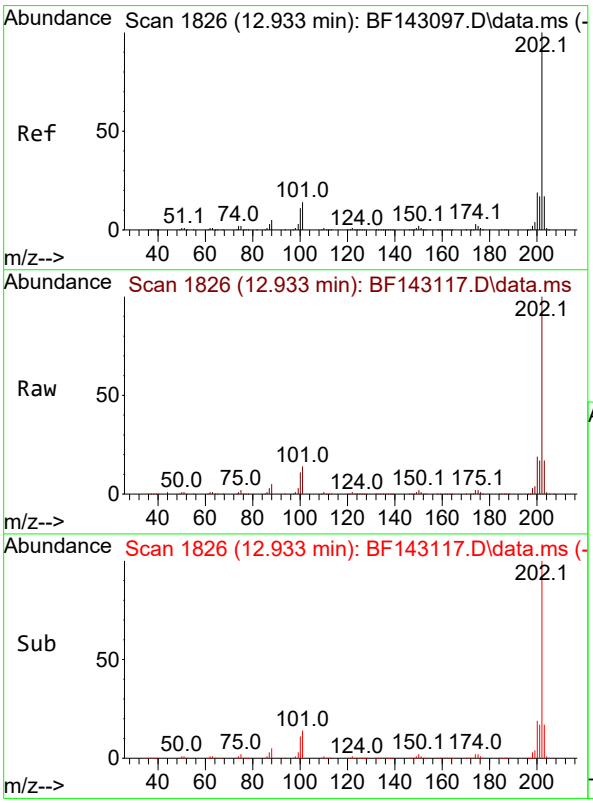
#77
Benzidine
Concen: 38.177 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 274069

Ion	Ratio	Lower	Upper
184	100		
185	16.0	12.4	18.6
183	11.1	8.6	12.8

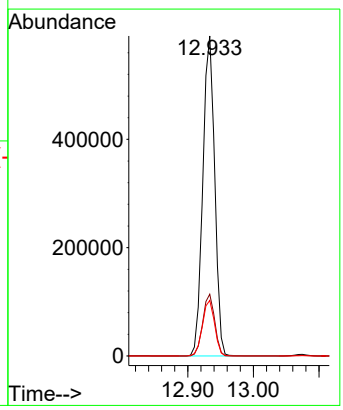


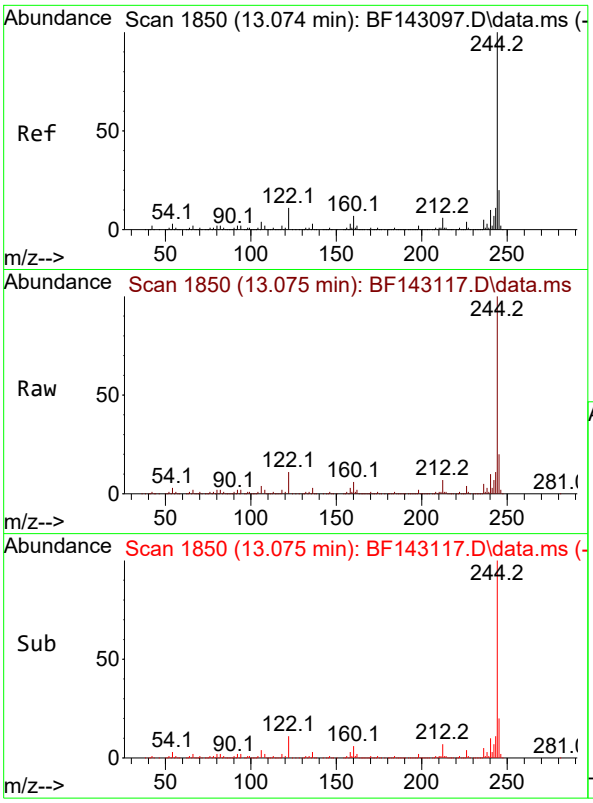


#78
Pyrene
Concen: 38.214 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:202 Resp: 747120

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.5	23.3
203	17.4	14.0	21.0



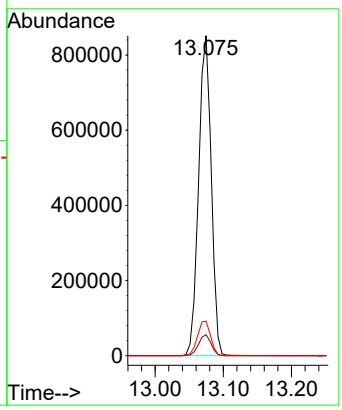


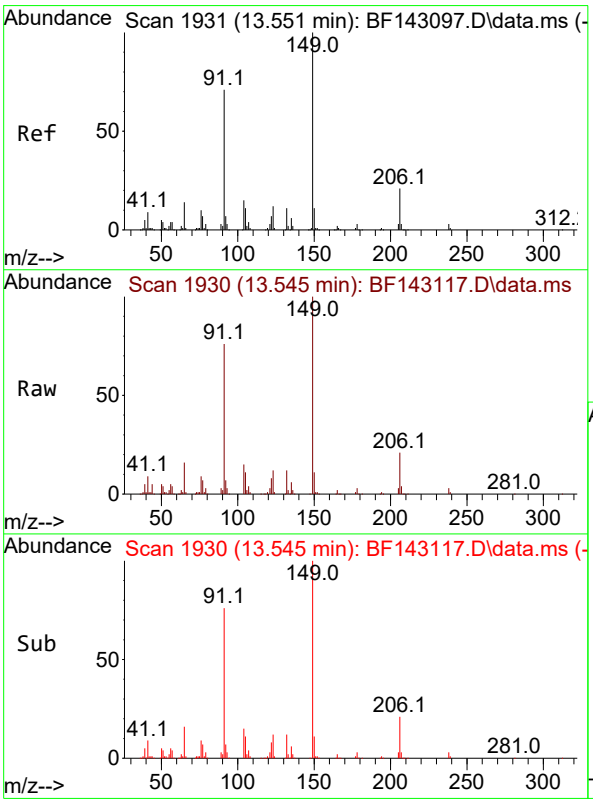
#79
Terphenyl-d14
Concen: 76.150 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1097674

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.8	8.8	13.2

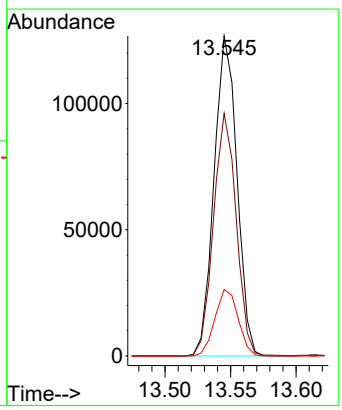


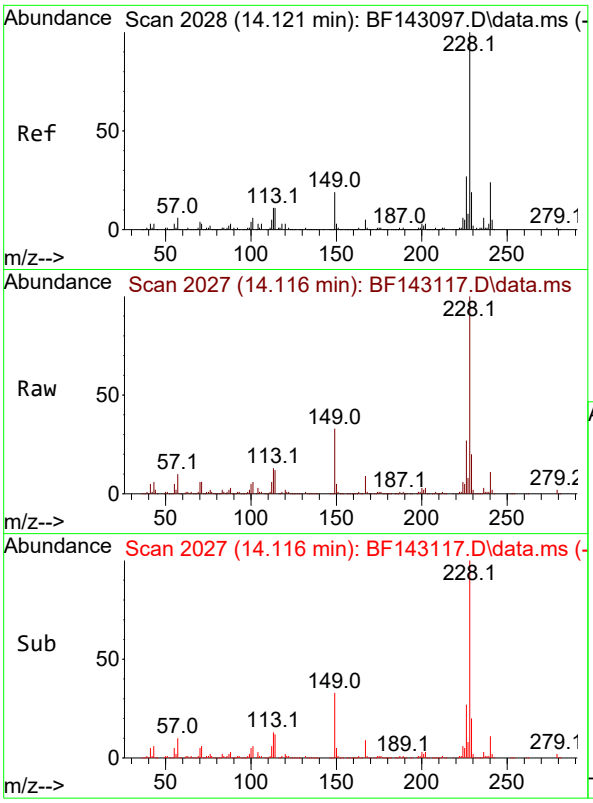


#80
Butylbenzylphthalate
Concen: 39.754 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 153672

Ion	Ratio	Lower	Upper
149	100		
91	75.8	57.0	85.4
206	20.7	17.2	25.8



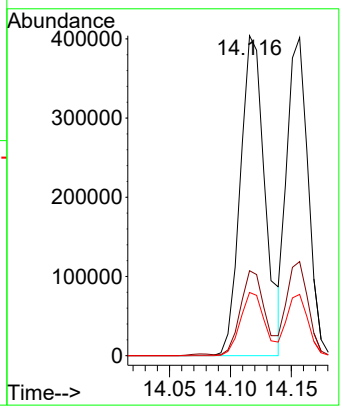


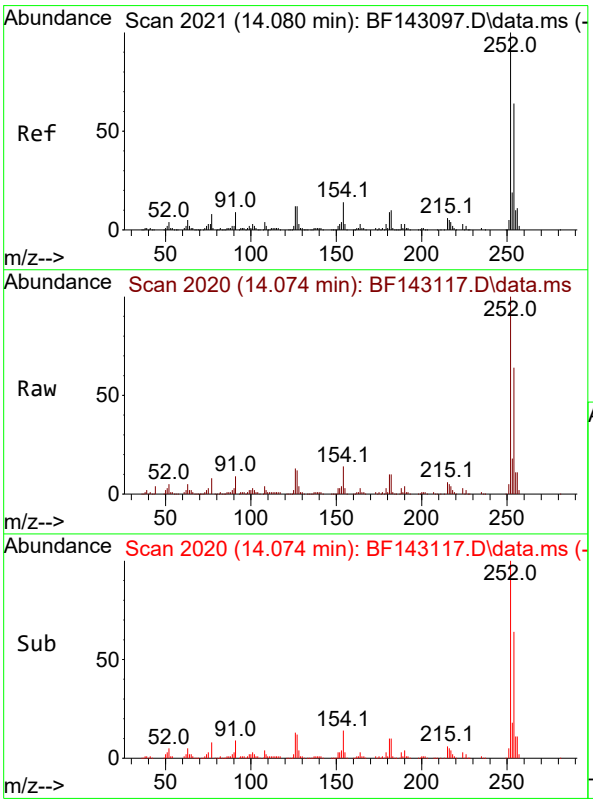
#81
Benzo(a)anthracene
Concen: 40.624 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 570413

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.3	31.9
229	19.7	15.5	23.3

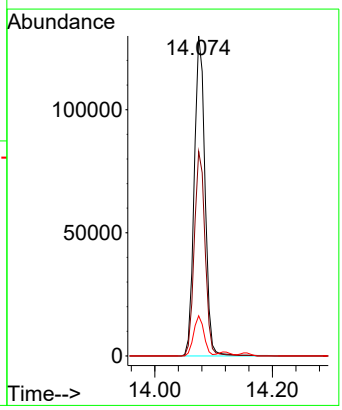


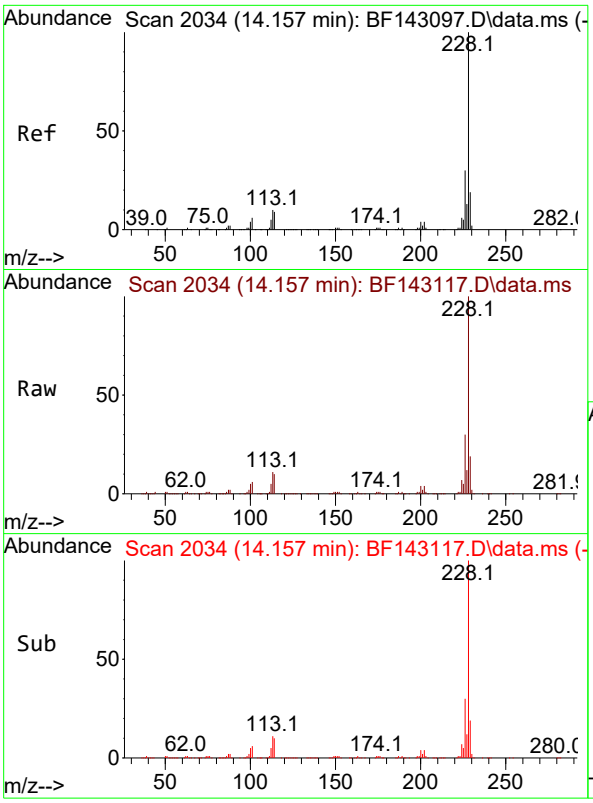


#82
3,3'-Dichlorobenzidine
Concen: 40.409 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:252 Resp: 164768

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.5	77.3
126	12.6	9.4	14.0



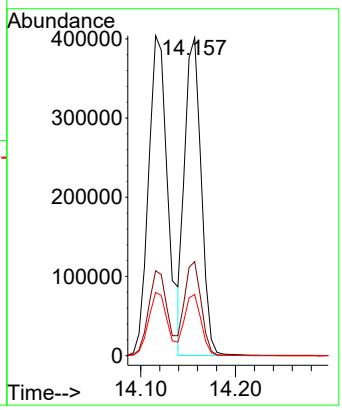


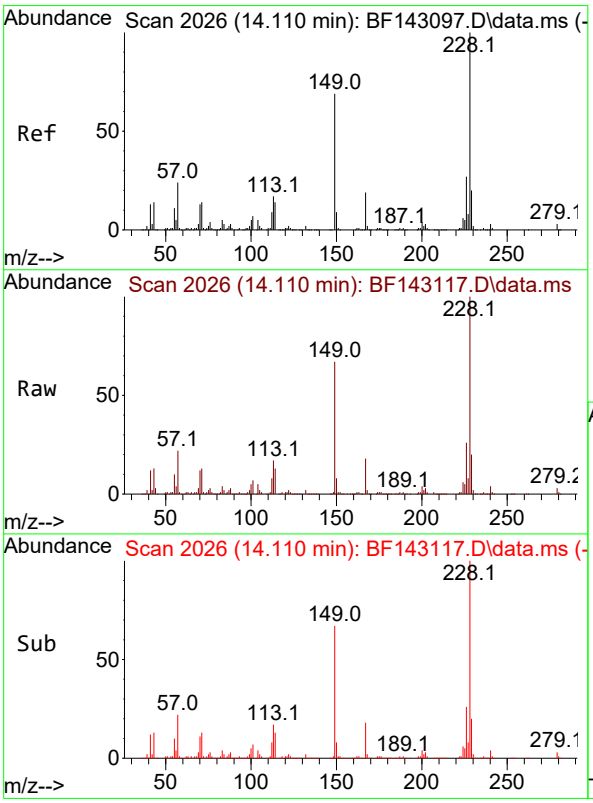
#83
Chrysene
Concen: 37.657 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 486986

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	19.3	15.3	22.9

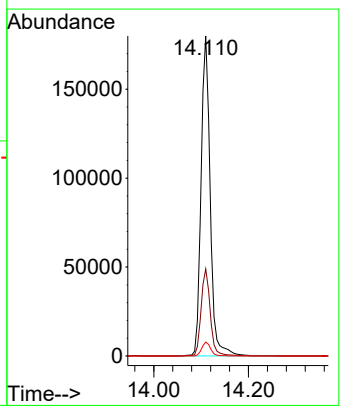


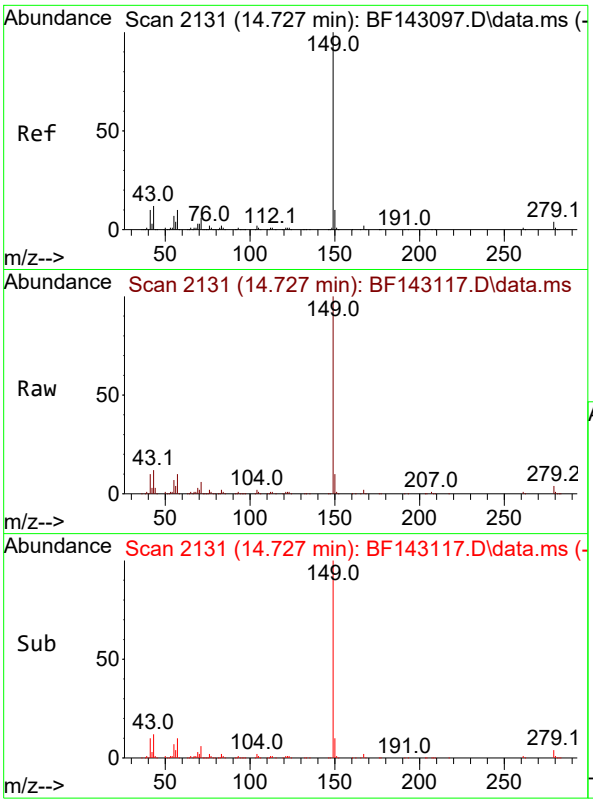


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.219 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:149 Resp: 241107

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.9	32.9
279	4.4	3.4	5.0



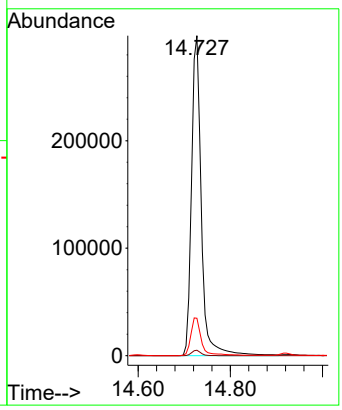


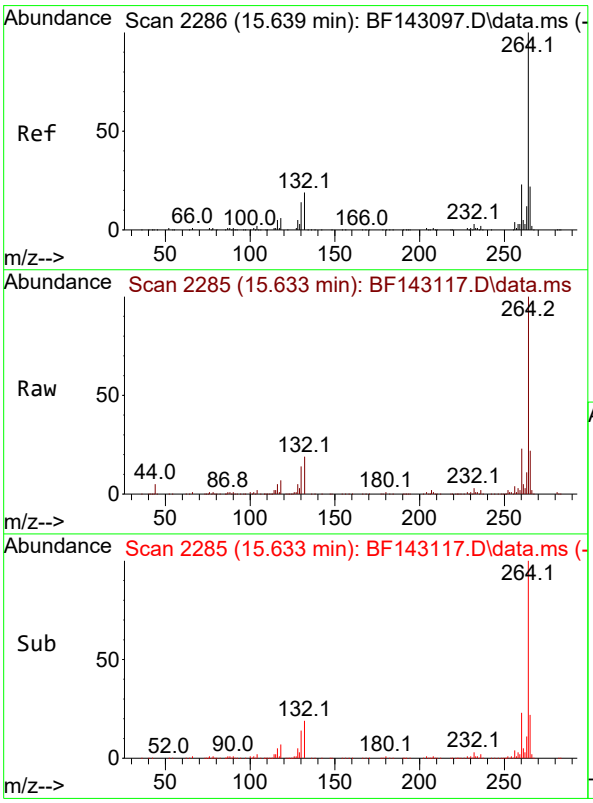
#85
Di-n-octyl phthalate
Concen: 40.440 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 439529

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	13.1	10.6	16.0

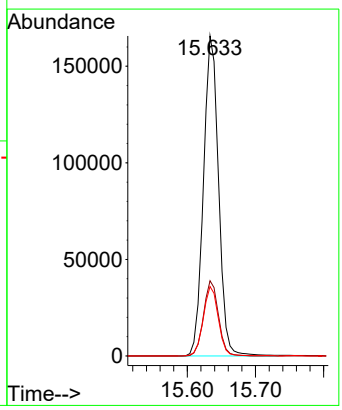


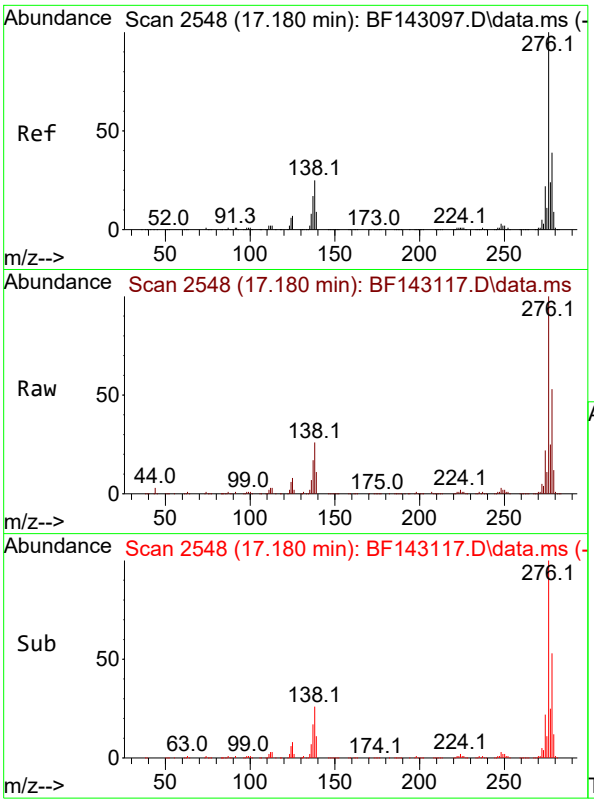


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:264 Resp: 255524

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.7	17.5	26.3



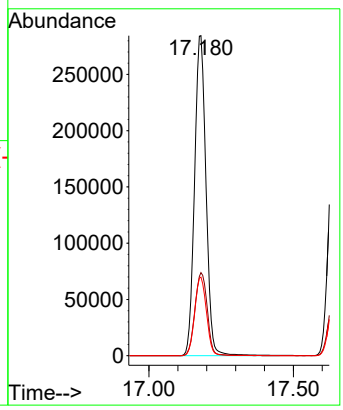


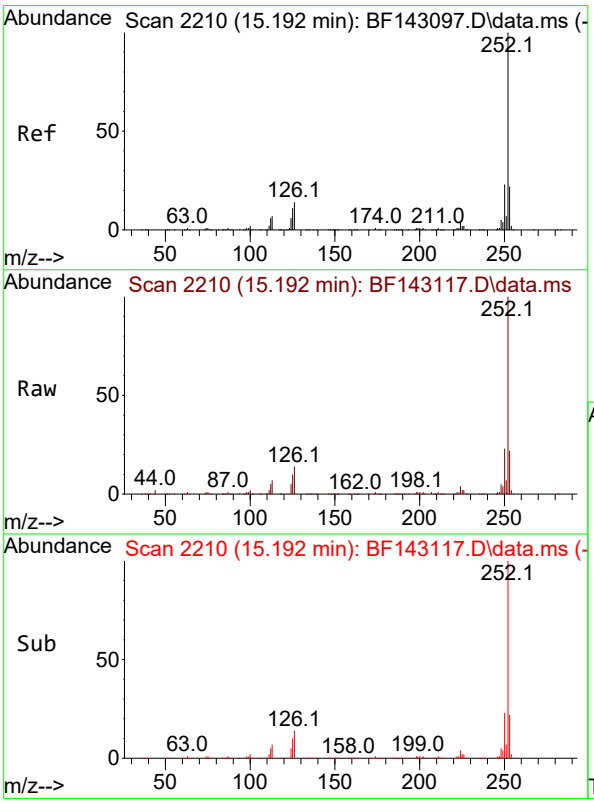
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.122 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 781535

Ion	Ratio	Lower	Upper
276	100		
138	27.9	22.6	34.0
277	25.2	20.2	30.2

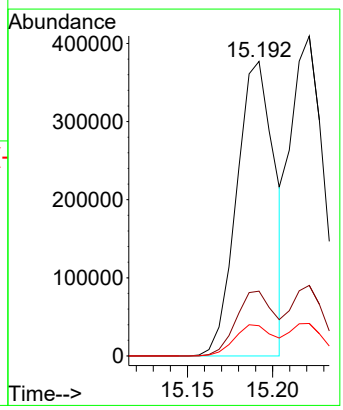


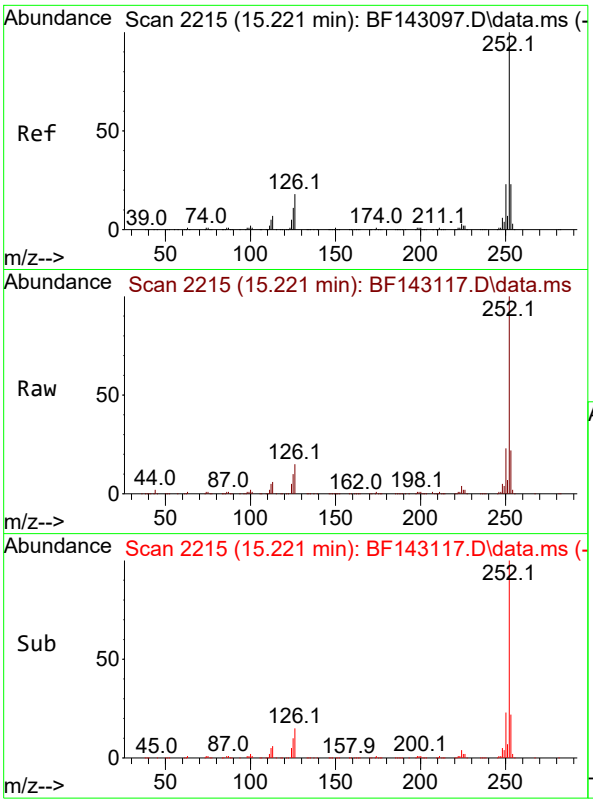


#88
Benzo(b)fluoranthene
Concen: 39.393 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:252 Resp: 580612

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.2	8.6	13.0



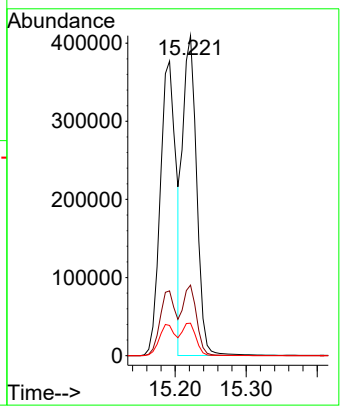


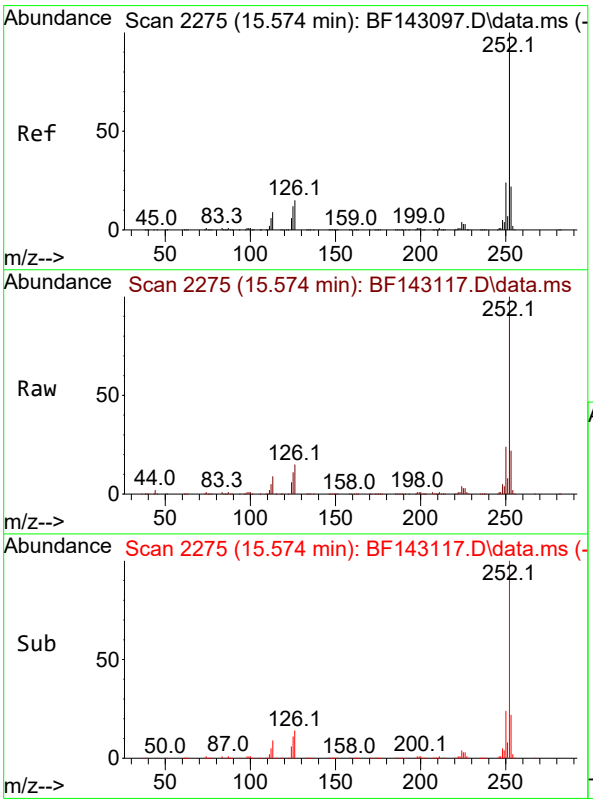
#89
Benzo(k)fluoranthene
Concen: 39.698 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 558211

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.2	8.5	12.7

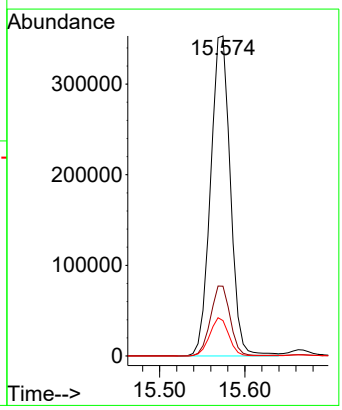


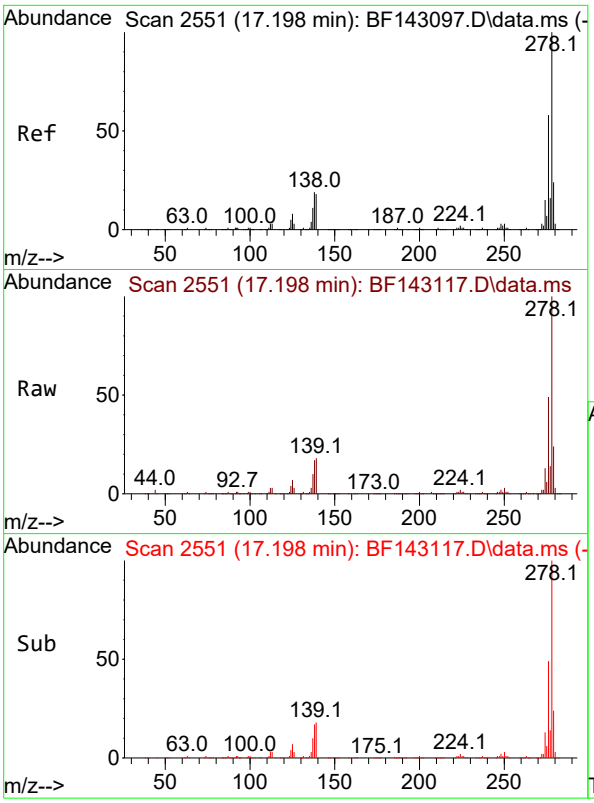


#90
Benzo(a)pyrene
Concen: 40.896 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:252 Resp: 570084

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	11.0	9.4	14.0



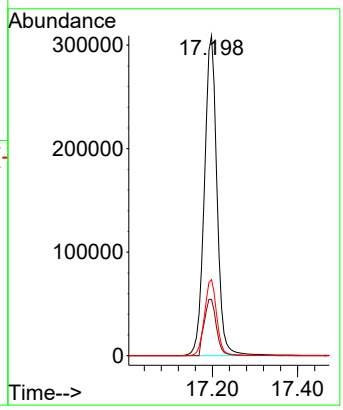


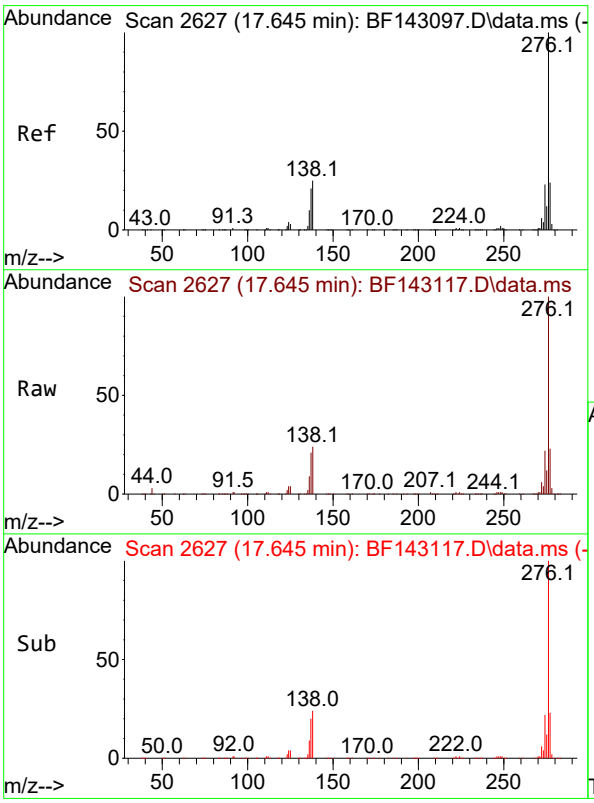
#91
Dibenzo(a,h)anthracene
Concen: 40.895 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 635338

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.6	22.0
279	23.8	18.8	28.2

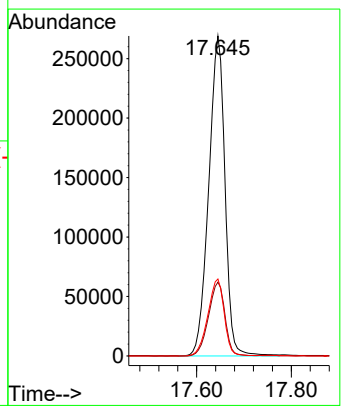




#92
Benzo(g,h,i)perylene
Concen: 40.534 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BF143117.D
Acq: 16 Jul 2025 19:39

Tgt Ion:276 Resp: 642024

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	24.0	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	109	0.00
2		1,4-Dioxane	0.630	0.628	0.3	110	0.00
3		Pyridine	1.596	1.575	1.3	108	0.00
4		n-Nitrosodimethylamine	0.827	0.806	2.5	108	0.00
5	S	2-Fluorophenol	1.266	1.249	1.3	109	0.00
6		Aniline	2.241	2.205	1.6	109	0.00
7	S	Phenol-d6	1.591	1.563	1.8	109	0.00
8		2-Chlorophenol	1.272	1.316	-3.5	113	0.00
9		Benzaldehyde	1.212	1.240	-2.3	94	0.00
10	C	Phenol	1.723	1.816	-5.4	116	0.00
11		bis(2-Chloroethyl)ether	1.334	1.298	2.7	109	0.00
12		1,3-Dichlorobenzene	1.437	1.430	0.5	111	0.00
13	C	1,4-Dichlorobenzene	1.446	1.418	1.9	110	0.00
14		1,2-Dichlorobenzene	1.379	1.346	2.4	108	0.00
15		Benzyl Alcohol	1.179	1.183	-0.3	111	0.00
16		2,2'-oxybis(1-Chloropropane	2.458	2.389	2.8	109	0.00
17		2-Methylphenol	1.098	1.094	0.4	111	0.00
18		Hexachloroethane	0.471	0.486	-3.2	113	0.00
19	P	n-Nitroso-di-n-propylamine	0.975	0.965	1.0	110	0.00
20		3+4-Methylphenols	1.346	1.368	-1.6	110	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	109	0.00
22		Acetophenone	0.482	0.467	3.1	109	0.00
23	S	Nitrobenzene-d5	0.357	0.402	-12.6	118	0.00
24		Nitrobenzene	0.344	0.369	-7.3	113	0.00
25		Isophorone	0.689	0.675	2.0	109	0.00
26	C	2-Nitrophenol	0.114	0.145	-27.2#	132	0.00
27		2,4-Dimethylphenol	0.320	0.320	0.0	109	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.412	1.4	110	0.00
29	C	2,4-Dichlorophenol	0.262	0.269	-2.7	110	0.00
30		1,2,4-Trichlorobenzene	0.297	0.292	1.7	108	0.00
31		Naphthalene	0.993	0.972	2.1	110	0.00
32		Benzoic acid	0.139	0.147	-5.8	112	0.00
33		4-Chloroaniline	0.399	0.393	1.5	108	0.00
34	C	Hexachlorobutadiene	0.178	0.178	0.0	110	0.00
35		Caprolactam	0.082	0.084	-2.4	111	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.293	-0.7	110	0.00
37		2-Methylnaphthalene	0.592	0.578	2.4	109	0.00
38		1-Methylnaphthalene	0.615	0.599	2.6	109	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	0.583	0.567	2.7	109	0.00
41	P	Hexachlorocyclopentadiene	0.323	0.341	-5.6	118	0.00
42	S	2,4,6-Tribromophenol	0.178	0.191	-7.3	113	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.386	-6.6	114	0.00
44		2,4,5-Trichlorophenol	0.380	0.387	-1.8	110	0.00
45	S	2-Fluorobiphenyl	1.505	1.421	5.6	109	0.00
46		1,1'-Biphenyl	1.595	1.534	3.8	109	0.00
47		2-Chloronaphthalene	1.172	1.129	3.7	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	0.303	0.352	-16.2	120	0.00
49		Acenaphthylene	1.952	1.912	2.0	109	0.00
50		Dimethylphthalate	1.258	1.236	1.7	110	0.00
51		2,6-Dinitrotoluene	0.219	0.258	-17.8	123	0.00
52	C	Acenaphthene	1.152	1.115	3.2	110	0.00
53		3-Nitroaniline	0.272	0.299	-9.9	116	0.00
54	P	2,4-Dinitrophenol	0.073	0.082	-12.3	134	0.00
55		Dibenzofuran	1.717	1.649	4.0	108	0.00
56	P	4-Nitrophenol	0.216	0.230	-6.5	115	0.00
57		2,4-Dinitrotoluene	0.265	0.307	-15.8	116	0.00
58		Fluorene	1.288	1.219	5.4	109	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.324	-7.3	116	0.00
60		Diethylphthalate	1.214	1.211	0.2	110	0.00
61		4-Chlorophenyl-phenylether	0.617	0.603	2.3	109	0.00
62		4-Nitroaniline	0.236	0.255	-8.1	114	0.00
63		Azobenzene	1.343	1.284	4.4	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.078	-16.4	131	0.00
66	c	n-Nitrosodiphenylamine	0.703	0.687	2.3	108	0.00
67		4-Bromophenyl-phenylether	0.227	0.227	0.0	110	0.00
68		Hexachlorobenzene	0.241	0.241	0.0	110	0.00
69		Atrazine	0.180	0.183	-1.7	109	0.00
70	C	Pentachlorophenol	0.132	0.144	-9.1	117	0.00
71		Phenanthrene	1.079	1.046	3.1	108	0.00
72		Anthracene	1.085	1.063	2.0	108	0.00
73		Carbazole	0.972	0.934	3.9	107	0.00
74		Di-n-butylphthalate	0.893	0.937	-4.9	109	0.00
75	C	Fluoranthene	0.981	0.947	3.5	106	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	110	0.00
77		Benzidine	0.681	0.650	4.6	85	0.00
78		Pyrene	1.856	1.773	4.5	105	0.00
79	S	Terphenyl-d14	1.368	1.302	4.8	106	0.00
80		Butylbenzylphthalate	0.318	0.365	-14.8	116	0.00
81		Benzo(a)anthracene	1.333	1.354	-1.6	110	0.00
82		3,3'-Dichlorobenzidine	0.387	0.391	-1.0	111	0.00
83		Chrysene	1.227	1.156	5.8	105	0.00
84		Bis(2-ethylhexyl)phthalate	0.480	0.572	-19.2	122	0.00
85	c	Di-n-octyl phthalate	0.927	1.043	-12.5	124	0.00
86	I	Perylene-d12	1.000	1.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	1.488	1.529	-2.8	113	0.00
88		Benzo(b)fluoranthene	1.154	1.136	1.6	118	0.00
89		Benzo(k)fluoranthene	1.101	1.092	0.8	107	0.00
90	C	Benzo(a)pyrene	1.091	1.116	-2.3	112	0.00
91		Dibenzo(a,h)anthracene	1.216	1.243	-2.2	113	0.00
92		Benzo(g,h,i)perylene	1.240	1.256	-1.3	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	109	0.00
2		1,4-Dioxane	40.000	39.864	0.3	110	0.00
3		Pyridine	40.000	39.489	1.3	108	0.00
4		n-Nitrosodimethylamine	40.000	39.012	2.5	108	0.00
5	S	2-Fluorophenol	80.000	78.913	1.4	109	0.00
6		Aniline	40.000	39.360	1.6	109	0.00
7	S	Phenol-d6	80.000	78.603	1.7	109	0.00
8		2-Chlorophenol	40.000	41.401	-3.5	113	0.00
9		Benzaldehyde	40.000	40.919	-2.3	94	0.00
10	C	Phenol	40.000	42.169	-5.4	116	0.00
11		bis(2-Chloroethyl)ether	40.000	38.936	2.7	109	0.00
12		1,3-Dichlorobenzene	40.000	39.815	0.5	111	0.00
13	C	1,4-Dichlorobenzene	40.000	39.238	1.9	110	0.00
14		1,2-Dichlorobenzene	40.000	39.051	2.4	108	0.00
15		Benzyl Alcohol	40.000	40.125	-0.3	111	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.870	2.8	109	0.00
17		2-Methylphenol	40.000	39.876	0.3	111	0.00
18		Hexachloroethane	40.000	41.310	-3.3	113	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.615	1.0	110	0.00
20		3+4-Methylphenols	40.000	40.641	-1.6	110	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	109	0.00
22		Acetophenone	40.000	38.753	3.1	109	0.00
23	S	Nitrobenzene-d5	80.000	90.170	-12.7	118	0.00
24		Nitrobenzene	40.000	42.874	-7.2	113	0.00
25		Isophorone	40.000	39.167	2.1	109	0.00
26	C	2-Nitrophenol	40.000	42.663	-6.7	132	0.00
27		2,4-Dimethylphenol	40.000	39.965	0.1	109	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.412	1.5	110	0.00
29	C	2,4-Dichlorophenol	40.000	41.164	-2.9	110	0.00
30		1,2,4-Trichlorobenzene	40.000	39.339	1.7	108	0.00
31		Naphthalene	40.000	39.140	2.1	110	0.00
32		Benzoic acid	40.000	38.466	3.8	112	0.00
33		4-Chloroaniline	40.000	39.377	1.6	108	0.00
34	C	Hexachlorobutadiene	40.000	40.072	-0.2	110	0.00
35		Caprolactam	40.000	41.190	-3.0	111	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.192	-0.5	110	0.00
37		2-Methylnaphthalene	40.000	39.014	2.5	109	0.00
38		1-Methylnaphthalene	40.000	38.976	2.6	109	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	112	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.885	2.8	109	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.225	-5.6	118	0.00
42	S	2,4,6-Tribromophenol	80.000	85.634	-7.0	113	0.00
43	C	2,4,6-Trichlorophenol	40.000	42.600	-6.5	114	0.00
44		2,4,5-Trichlorophenol	40.000	40.747	-1.9	110	0.00
45	S	2-Fluorobiphenyl	80.000	75.570	5.5	109	0.00
46		1,1'-Biphenyl	40.000	38.466	3.8	109	0.00
47		2-Chloronaphthalene	40.000	38.546	3.6	109	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	40.710	-1.8	120	0.00
49		Acenaphthylene	40.000	39.176	2.1	109	0.00
50		Dimethylphthalate	40.000	39.291	1.8	110	0.00
51		2,6-Dinitrotoluene	40.000	41.829	-4.6	123	0.00
52	C	Acenaphthene	40.000	38.701	3.2	110	0.00
53		3-Nitroaniline	40.000	43.942	-9.9	116	0.00
54	P	2,4-Dinitrophenol	40.000	42.980	-7.4	134	0.00
55		Dibenzofuran	40.000	38.413	4.0	108	0.00
56	P	4-Nitrophenol	40.000	42.650	-6.6	115	0.00
57		2,4-Dinitrotoluene	40.000	40.106	-0.3	116	0.00
58		Fluorene	40.000	37.875	5.3	109	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	42.914	-7.3	116	0.00
60		Diethylphthalate	40.000	39.920	0.2	110	0.00
61		4-Chlorophenyl-phenylether	40.000	39.072	2.3	109	0.00
62		4-Nitroaniline	40.000	43.204	-8.0	114	0.00
63		Azobenzene	40.000	38.265	4.3	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	108	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.295	-8.2	131	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.129	2.2	108	0.00
67		4-Bromophenyl-phenylether	40.000	39.949	0.1	110	0.00
68		Hexachlorobenzene	40.000	39.950	0.1	110	0.00
69		Atrazine	40.000	40.708	-1.8	109	0.00
70	C	Pentachlorophenol	40.000	43.376	-8.4	117	0.00
71		Phenanthrene	40.000	38.780	3.0	108	0.00
72		Anthracene	40.000	39.169	2.1	108	0.00
73		Carbazole	40.000	38.436	3.9	107	0.00
74		Di-n-butylphthalate	40.000	41.970	-4.9	109	0.00
75	C	Fluoranthene	40.000	38.604	3.5	106	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	110	0.00
77		Benzidine	40.000	38.177	4.6	85	0.00
78		Pyrene	40.000	38.214	4.5	105	0.00
79	S	Terphenyl-d14	80.000	76.150	4.8	106	0.00
80		Butylbenzylphthalate	40.000	39.754	0.6	116	0.00
81		Benzo(a)anthracene	40.000	40.624	-1.6	110	0.00
82		3,3'-Dichlorobenzidine	40.000	40.409	-1.0	111	0.00
83		Chrysene	40.000	37.657	5.9	105	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.219	-3.0	122	0.00
85	c	Di-n-octyl phthalate	40.000	40.440	-1.1	124	0.00
86	I	Perylene-d12	20.000	20.000	0.0	113	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.122	-2.8	113	0.00
88		Benzo(b)fluoranthene	40.000	39.393	1.5	118	0.00
89		Benzo(k)fluoranthene	40.000	39.698	0.8	107	0.00
90	C	Benzo(a)pyrene	40.000	40.896	-2.2	112	0.00
91		Dibenzo(a,h)anthracene	40.000	40.895	-2.2	113	0.00
92		Benzo(g,h,i)perylene	40.000	40.534	-1.3	113	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143117.D
Acq On : 16 Jul 2025 19:39
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 03:44:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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: NOBI03

Lab Code: ACE SDG No.: Q2555

Instrument ID: BNA_F Calibration Date/Time: 07/17/2025 05:30

Lab File ID: BF143137.D Init. Calib. Date(s): 07/15/2025 07/15/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:04 16:35

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.266	1.239		-2.1	50.0
Phenol-d6	1.591	1.544		-3.0	50.0
Nitrobenzene-d5	0.357	0.412		15.4	50.0
Naphthalene	0.993	0.969		-2.4	50.0
2-Methylnaphthalene	0.592	0.562		-5.1	50.0
2-Fluorobiphenyl	1.505	1.520		1.0	50.0
Acenaphthylene	1.952	1.904		-2.5	50.0
Acenaphthene	1.152	1.066		-7.5	50.0
Fluorene	1.288	1.177		-8.6	50.0
2,4,6-Tribromophenol	0.178	0.163		-8.4	50.0
Phenanthrene	1.079	1.039		-3.7	50.0
Anthracene	1.085	1.066		-1.8	50.0
Fluoranthene	0.981	1.114		13.6	50.0
Pyrene	1.856	1.419		-23.5	50.0
Terphenyl-d14	1.368	1.091		-20.2	50.0
Benzo(a)anthracene	1.333	1.302		-2.3	50.0
Chrysene	1.227	1.199		-2.3	50.0
Benzo(b)fluoranthene	1.154	1.354		17.3	50.0
Benzo(k)fluoranthene	1.101	1.100		-0.1	50.0
Benzo(a)pyrene	1.091	1.124		3.0	50.0
Indeno(1,2,3-cd)pyrene	1.488	1.126		-24.3	50.0
Dibenzo(a,h)anthracene	1.216	0.924		-24.0	50.0
Benzo(g,h,i)perylene	1.240	0.898		-27.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	144280	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	514495	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	231809	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	340985	20.000	ng	0.00
76) Chrysene-d12	14.133	240	272684	20.000	ng	0.00
86) Perylene-d12	15.639	264	233437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	714857	78.280	ng	0.00
7) Phenol-d6	6.586	99	891036	77.624	ng	0.00
23) Nitrobenzene-d5	7.528	82	848823	92.552	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	150891	73.003	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1409405	80.821	ng	0.00
79) Terphenyl-d14	13.074	244	1190245	63.807	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	173896	38.254	ng	99
3) Pyridine	3.581	79	450952	39.175	ng	100
4) n-Nitrosodimethylamine	3.528	42	234746	39.361	ng	99
6) Aniline	6.628	93	606069	37.494	ng	100
8) 2-Chlorophenol	6.751	128	369287	40.249	ng	98
9) Benzaldehyde	6.516	77	364773	41.704	ng	99
10) Phenol	6.604	94	514446	41.398	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	373921	38.869	ng	99
12) 1,3-Dichlorobenzene	6.910	146	405053	39.077	ng	99
13) 1,4-Dichlorobenzene	6.986	146	406650	38.995	ng	100
14) 1,2-Dichlorobenzene	7.139	146	383993	38.613	ng	98
15) Benzyl Alcohol	7.098	79	345178	40.583	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	686686	38.723	ng	100
17) 2-Methylphenol	7.210	107	306021	38.650	ng	99
18) Hexachloroethane	7.486	117	136608	40.240	ng	99
19) n-Nitroso-di-n-propyla...	7.375	70	274293	39.003	ng	99
20) 3+4-Methylphenols	7.363	107	382719	39.415	ng	94
22) Acetophenone	7.375	105	493430	39.785	ng	98
24) Nitrobenzene	7.545	77	397905	44.942	ng	99
25) Isophorone	7.786	82	724887	40.892	ng	100
26) 2-Nitrophenol	7.863	139	148139	42.372	ng	99
27) 2,4-Dimethylphenol	7.892	122	339027	41.206	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	443588	41.266	ng	99
29) 2,4-Dichlorophenol	8.098	162	262840	39.049	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	305955	40.052	ng	99
31) Naphthalene	8.275	128	996982	39.022	ng	100
32) Benzoic acid	7.992	122	34786	13.853	ng	96
33) 4-Chloroaniline	8.310	127	389527	37.914	ng	99
34) Hexachlorobutadiene	8.392	225	188958	41.361	ng	99
35) Caprolactam	8.669	113	77948	37.085	ng	93
36) 4-Chloro-3-methylphenol	8.786	107	284902	37.997	ng	99
37) 2-Methylnaphthalene	8.963	142	578259	37.939	ng	99
38) 1-Methylnaphthalene	9.063	142	596132	37.710	ng	100
40) 1,2,4,5-Tetrachloroben...	9.127	216	281686	41.698	ng	98
41) Hexachlorocyclopentadiene	9.122	237	86619	23.127	ng	99
43) 2,4,6-Trichlorophenol	9.233	196	153713	36.620	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

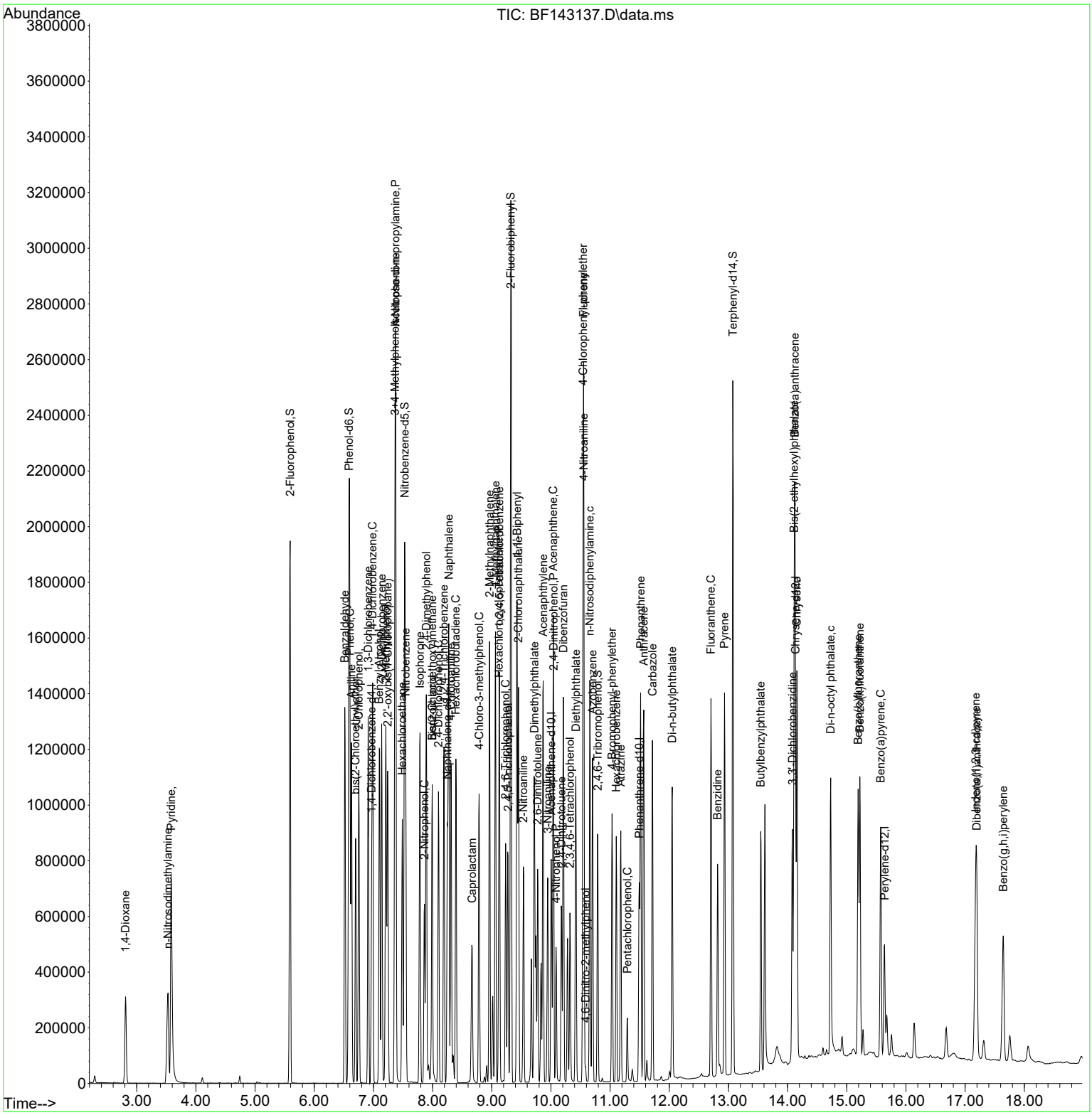
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	171201	38.898	ng		98
46) 1,1'-Biphenyl	9.427	154	751239	40.638	ng		99
47) 2-Chloronaphthalene	9.451	162	537100	39.549	ng		99
48) 2-Nitroaniline	9.533	65	180073	44.648	ng		99
49) Acenaphthylene	9.869	152	882729	39.008	ng		100
50) Dimethylphthalate	9.722	163	622841	42.709	ng		100
51) 2,6-Dinitrotoluene	9.775	165	125478	43.803	ng		93
52) Acenaphthene	10.039	154	494312	37.016	ng		98
53) 3-Nitroaniline	9.945	138	142775	45.308	ng		96
54) 2,4-Dinitrophenol	10.045	184	2929	8.444	ng	#	1
55) Dibenzofuran	10.210	168	746194	37.488	ng		100
56) 4-Nitrophenol	10.086	139	94578	37.764	ng		98
57) 2,4-Dinitrotoluene	10.180	165	143263	40.390	ng		96
58) Fluorene	10.551	166	545475	36.553	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	100646	28.775	ng		98
60) Diethylphthalate	10.422	149	580771	41.278	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	274714	38.408	ng		99
62) 4-Nitroaniline	10.557	138	120811	44.086	ng		99
63) Azobenzene	10.704	77	576851	37.072	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	7985	11.937	ng		96
66) n-Nitrosodiphenylamine	10.657	169	486685	40.633	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	158704	40.927	ng		99
68) Hexachlorobenzene	11.104	284	160507	39.011	ng		99
69) Atrazine	11.180	200	135460	44.205	ng		98
70) Pentachlorophenol	11.292	266	35640	15.788	ng		97
71) Phenanthrene	11.516	178	708454	38.498	ng		100
72) Anthracene	11.569	178	727014	39.286	ng		100
73) Carbazole	11.716	167	676020	40.776	ng		100
74) Di-n-butylphthalate	12.051	149	755302	49.632	ng		100
75) Fluoranthene	12.704	202	759494	45.390	ng		99
77) Benzidine	12.816	184	418307	45.027	ng		100
78) Pyrene	12.933	202	773774	30.583	ng		99
80) Butylbenzylphthalate	13.545	149	274779	53.627	ng		97
81) Benzo(a)anthracene	14.121	228	710019	39.075	ng		100
82) 3,3'-Dichlorobenzidine	14.080	252	233732	44.295	ng		99
83) Chrysene	14.157	228	653783	39.066	ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	416791	53.915	ng		98
85) Di-n-octyl phthalate	14.727	149	737125	50.428	ng		97
87) Indeno(1,2,3-cd)pyrene	17.180	276	525857	30.287	ng		99
88) Benzo(b)fluoranthene	15.192	252	632221	46.952	ng		99
89) Benzo(k)fluoranthene	15.221	252	513447	39.970	ng		99
90) Benzo(a)pyrene	15.574	252	524630	41.196	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	431272	30.386	ng		99
92) Benzo(g,h,i)perylene	17.645	276	419104	28.963	ng		98

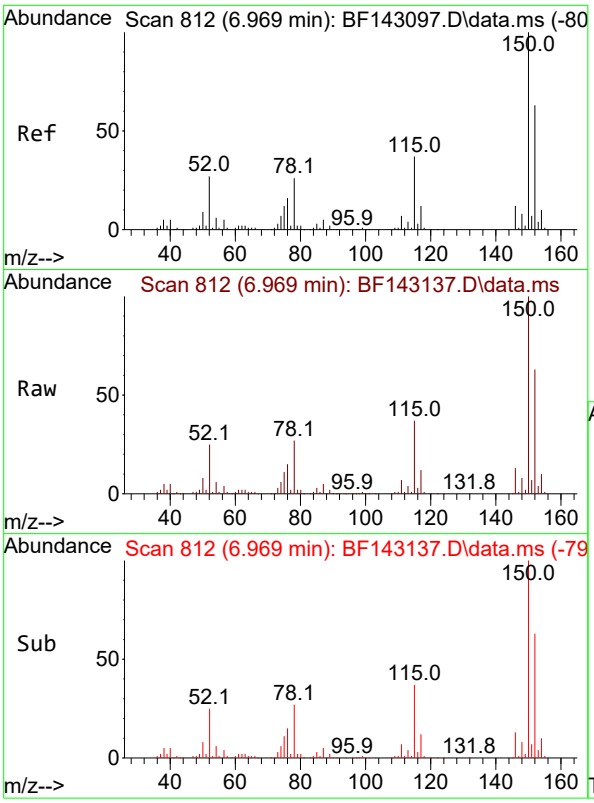
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



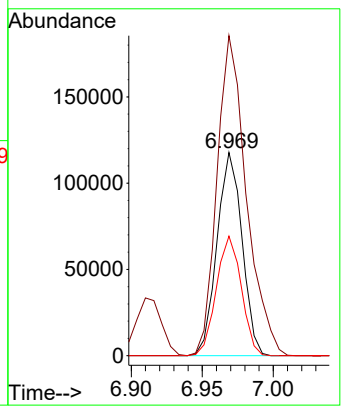


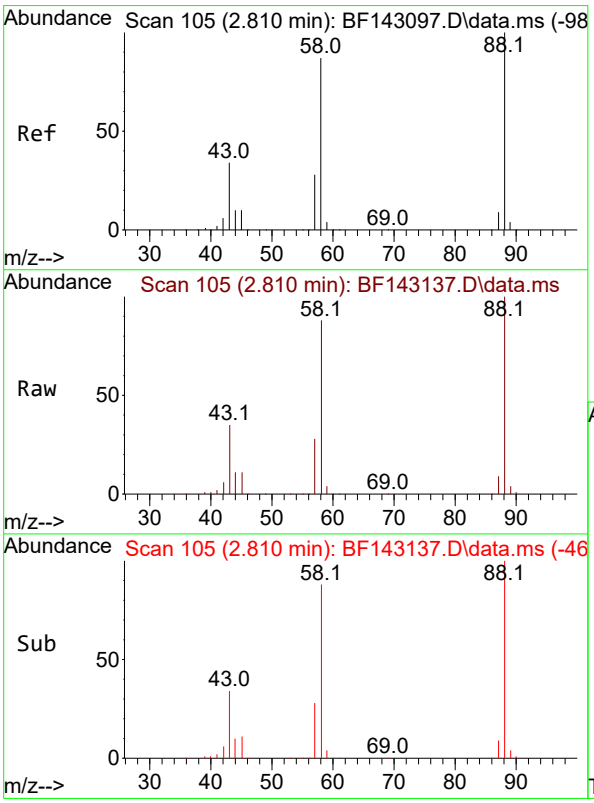
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 144280

Ion	Ratio	Lower	Upper
152	100		
150	157.5	126.5	189.7
115	58.8	47.0	70.6

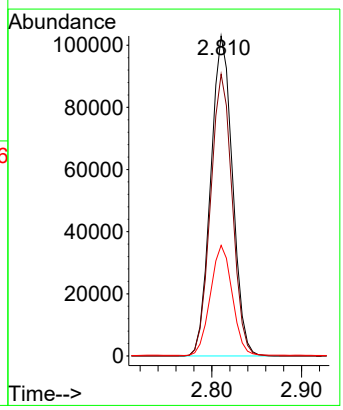


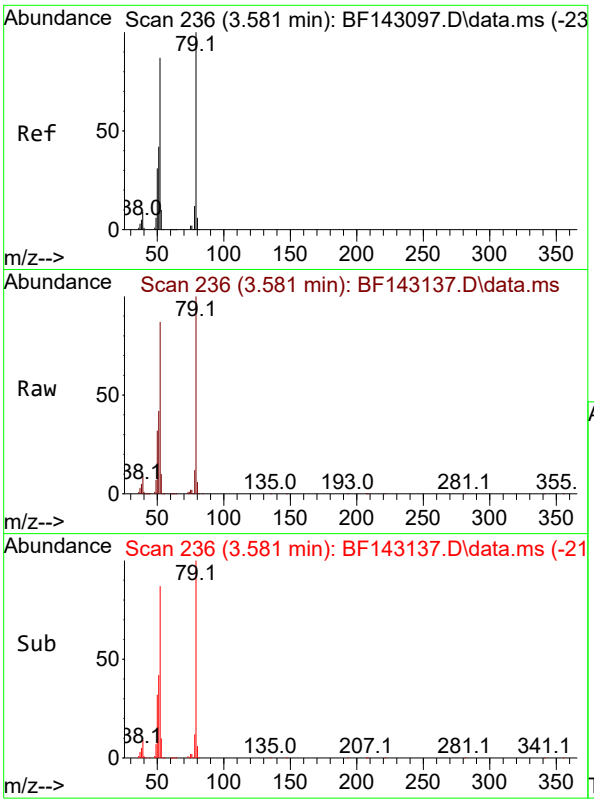


#2
1,4-Dioxane
Concen: 38.254 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 88 Resp: 173896

Ion	Ratio	Lower	Upper
88	100		
58	87.3	70.5	105.7
43	34.4	27.3	40.9



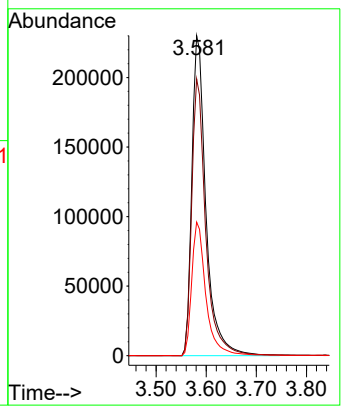


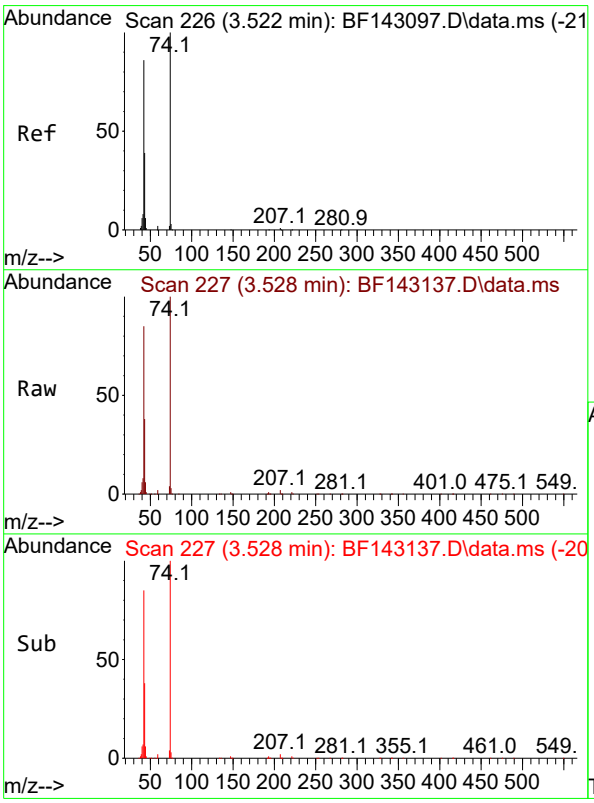
#3
Pyridine
Concen: 39.175 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 450952

Ion	Ratio	Lower	Upper
79	100		
52	86.5	69.2	103.8
51	41.8	33.3	49.9

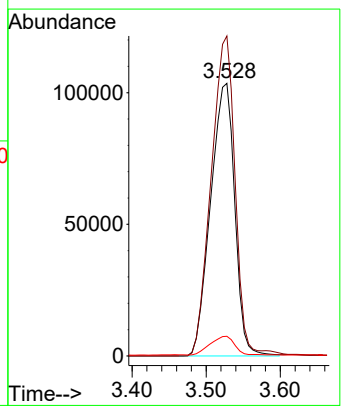


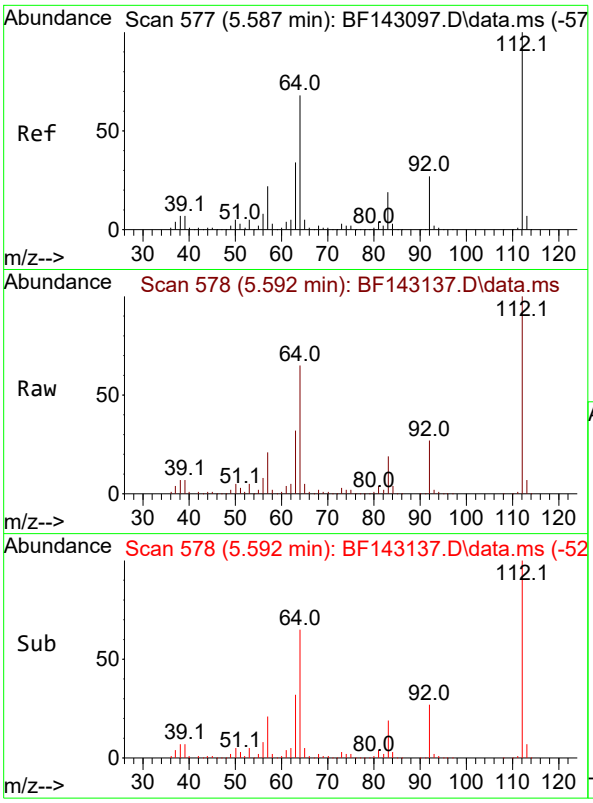


#4
n-Nitrosodimethylamine
Concen: 39.361 ng
RT: 3.528 min Scan# 227
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 42 Resp: 234746

Ion	Ratio	Lower	Upper
42	100		
74	117.4	92.8	139.2
44	7.2	5.8	8.6



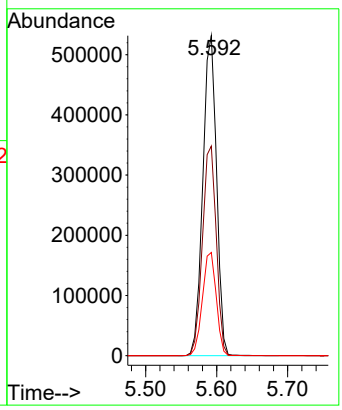


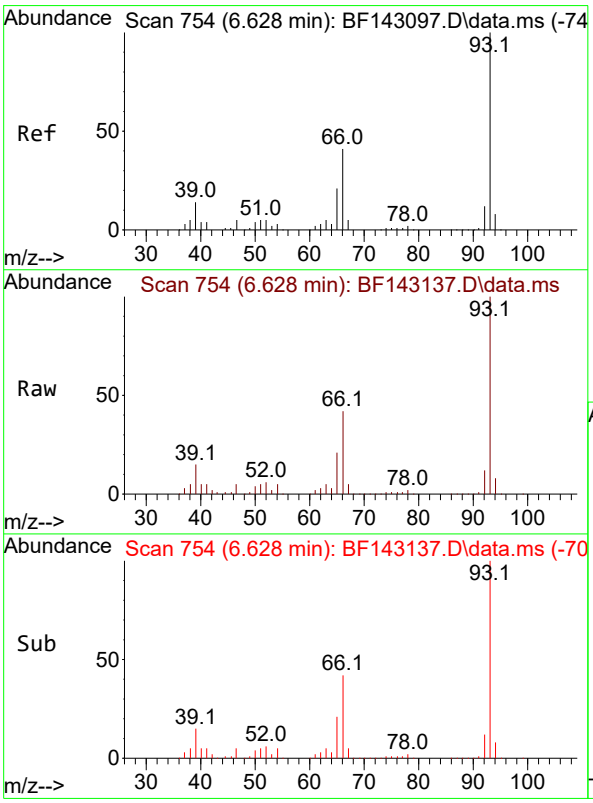
#5
2-Fluorophenol
Concen: 78.280 ng
RT: 5.592 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 714857

Ion	Ratio	Lower	Upper
112	100		
64	65.5	54.6	82.0
63	32.3	27.3	40.9

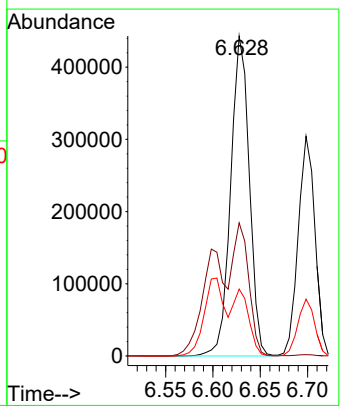


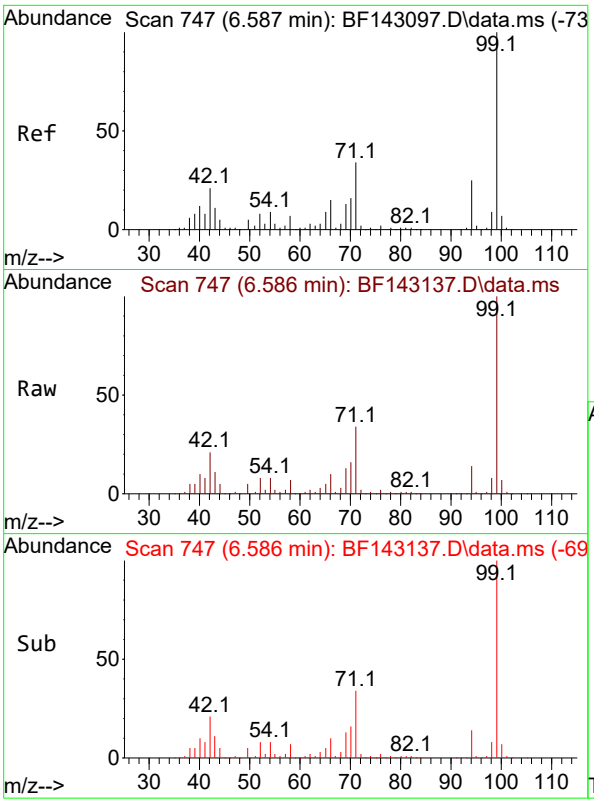


#6
Aniline
Concen: 37.494 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 93 Resp: 606069

Ion	Ratio	Lower	Upper
93	100		
66	41.6	33.1	49.7
65	20.9	16.9	25.3



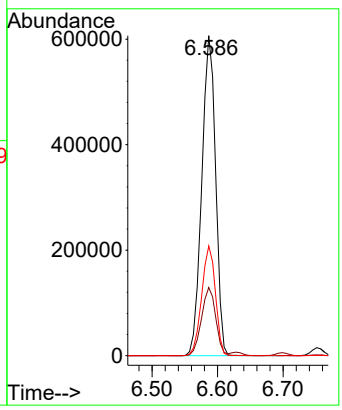


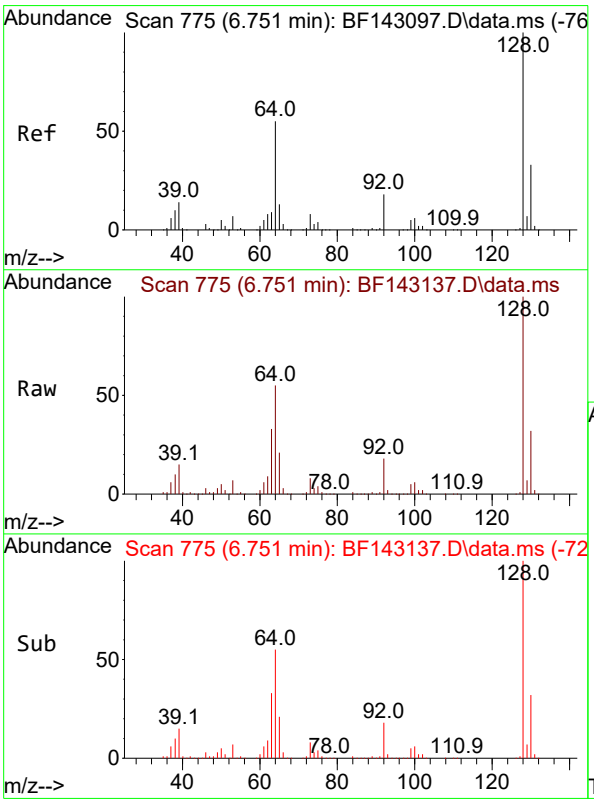
#7
Phenol-d6
Concen: 77.624 ng
RT: 6.586 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 891036

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	34.3	27.4	41.0

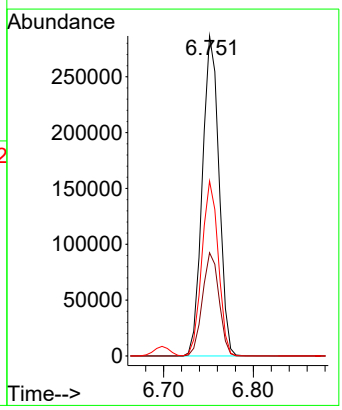


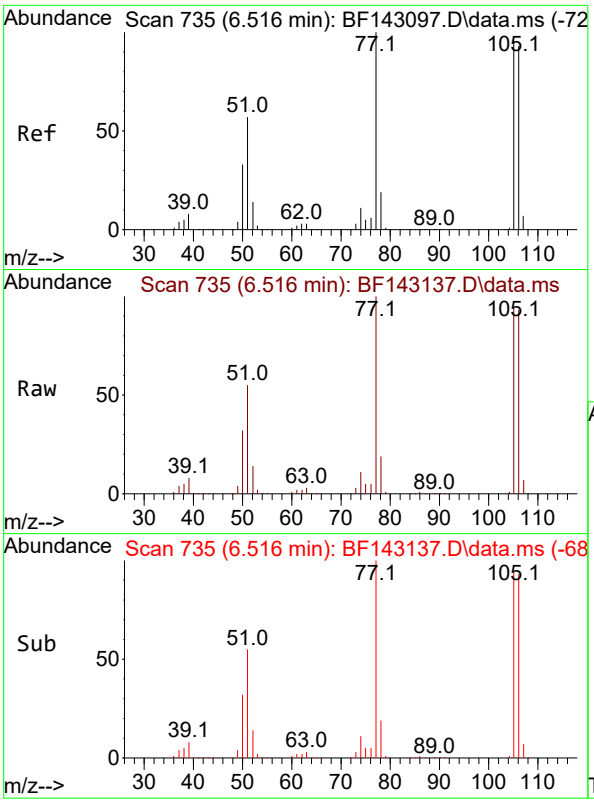


#8
2-Chlorophenol
Concen: 40.249 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:128 Resp: 369287

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.8	52.8
64	54.6	36.1	76.1



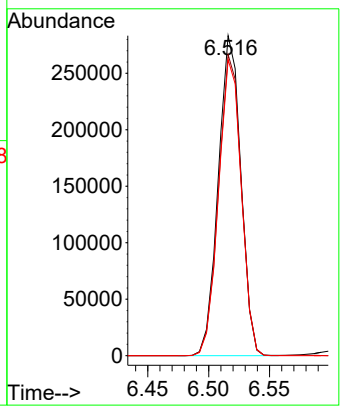


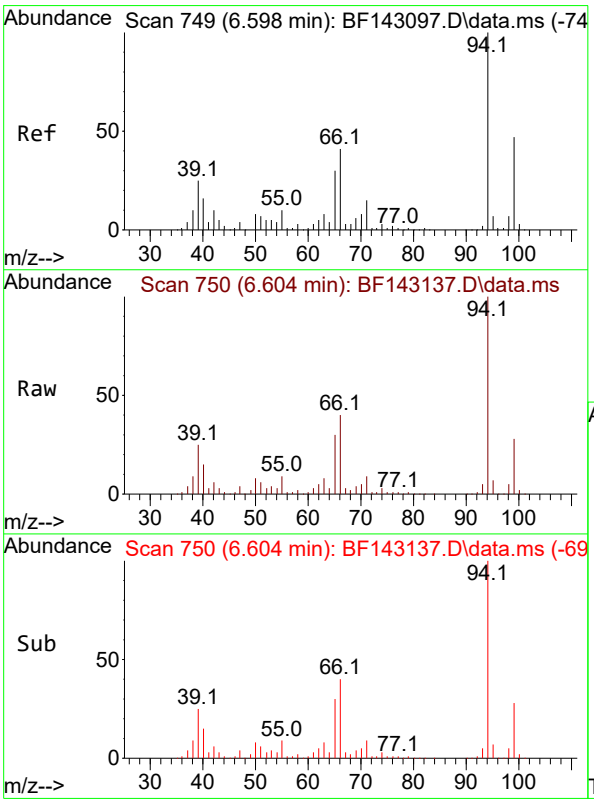
#9
Benzaldehyde
Concen: 41.704 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 364773

Ion	Ratio	Lower	Upper
77	100		
105	94.1	76.3	116.3
106	92.5	72.8	112.8

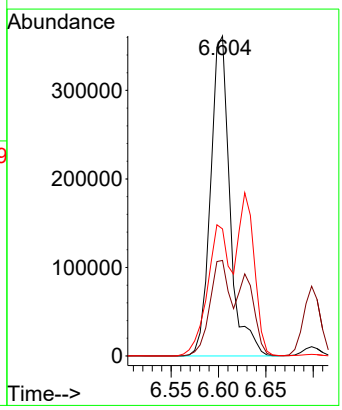


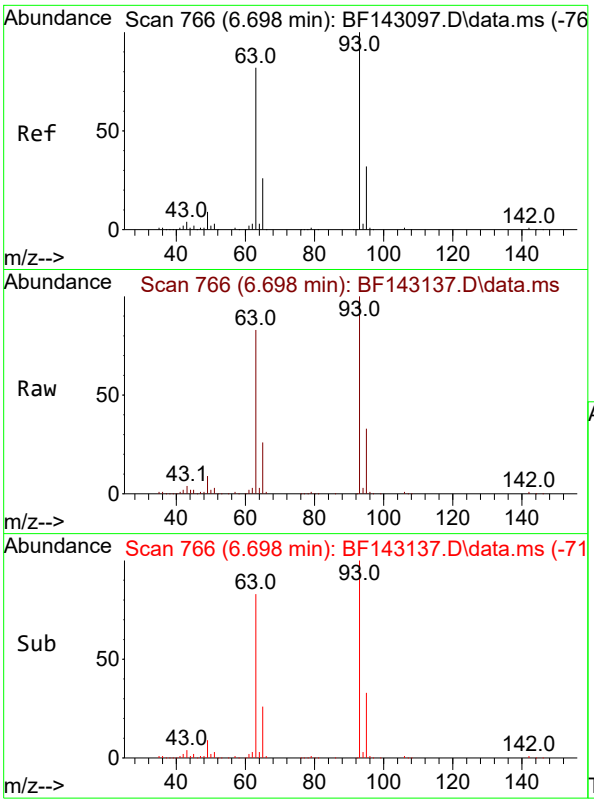


#10
Phenol
Concen: 41.398 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 94 Resp: 514446

Ion	Ratio	Lower	Upper
94	100		
65	29.8	9.8	49.8
66	39.7	20.5	60.5



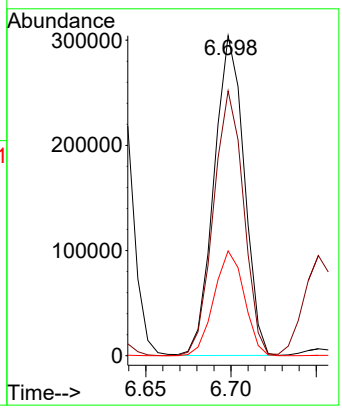


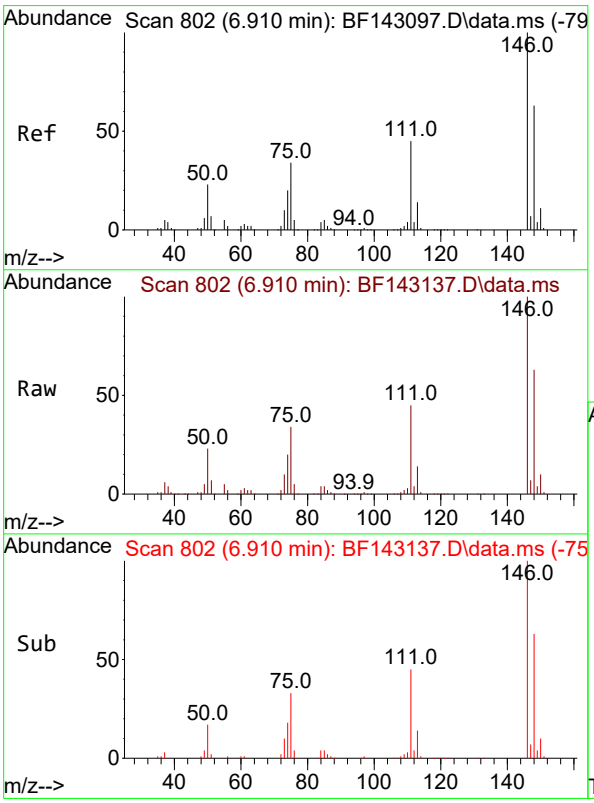
#11
bis(2-Chloroethyl)ether
Concen: 38.869 ng
RT: 6.698 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 373921

Ion	Ratio	Lower	Upper
93	100		
63	82.8	61.9	101.9
95	32.8	12.2	52.2

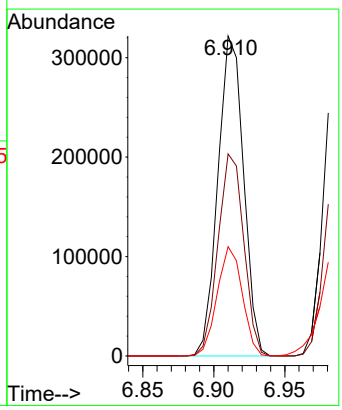


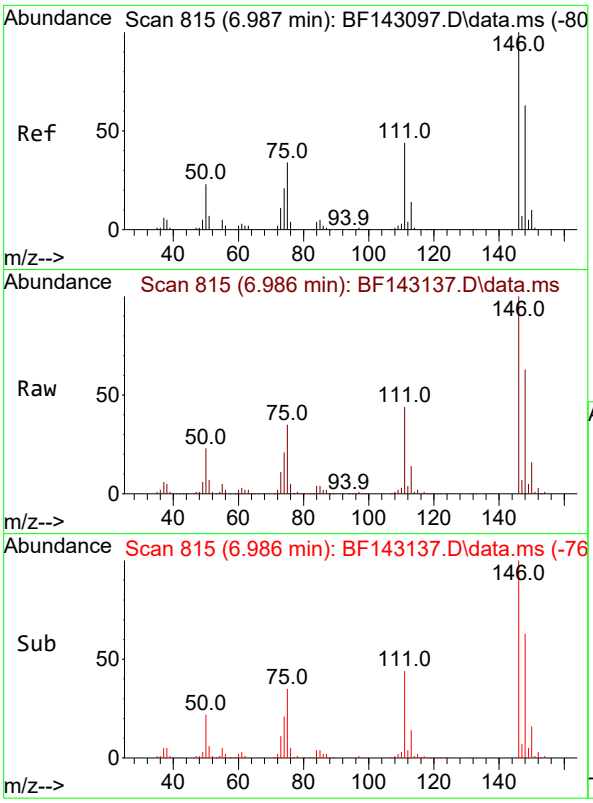


#12
1,3-Dichlorobenzene
Concen: 39.077 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:146 Resp: 405053

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.1	75.1
75	34.1	27.4	41.0



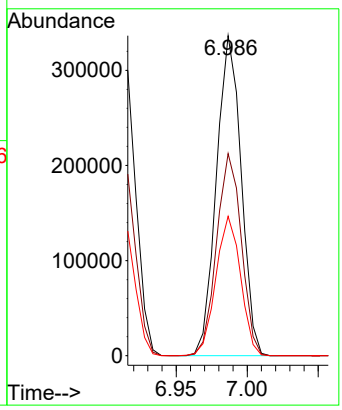


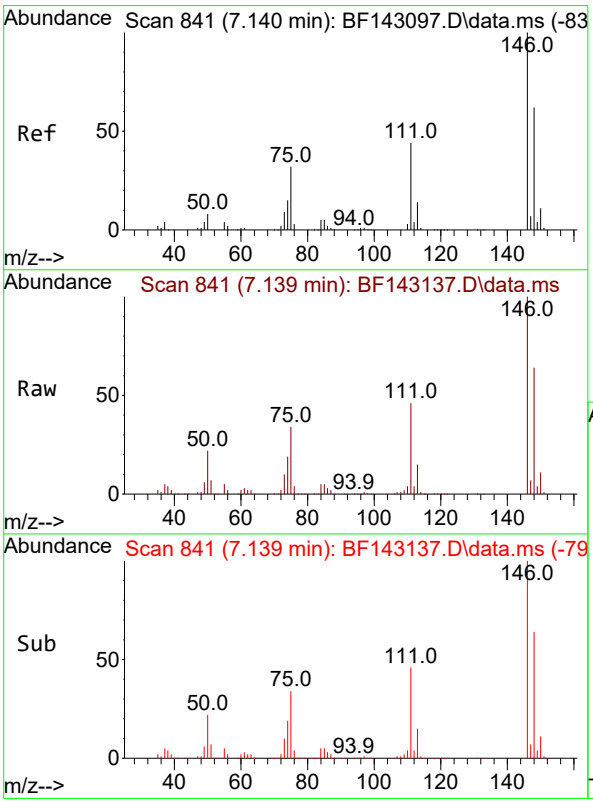
#13
1,4-Dichlorobenzene
Concen: 38.995 ng
RT: 6.986 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 406650

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
111	43.5	35.0	52.6

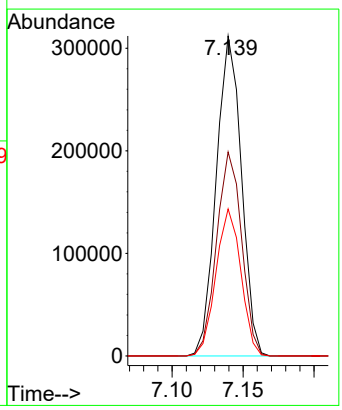


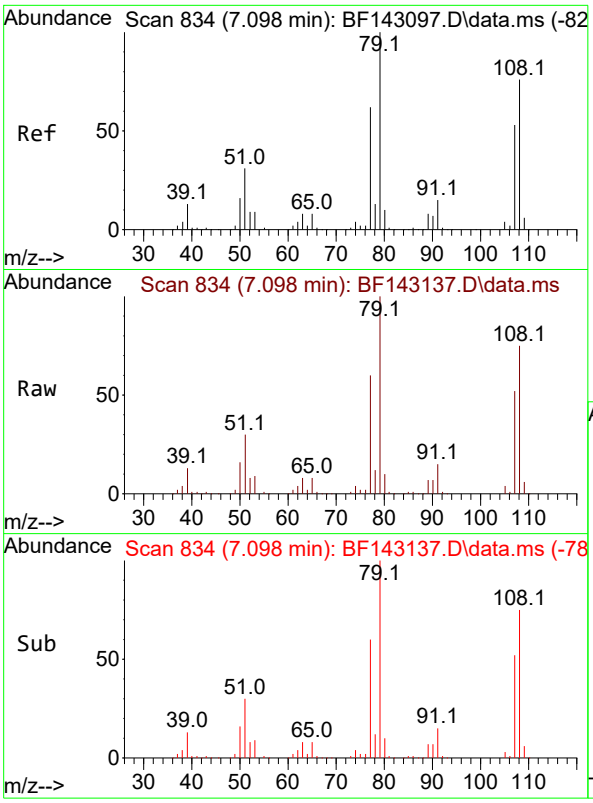


#14
1,2-Dichlorobenzene
Concen: 38.613 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:146 Resp: 383993

Ion	Ratio	Lower	Upper
146	100		
148	63.7	49.8	74.6
111	45.9	35.4	53.0



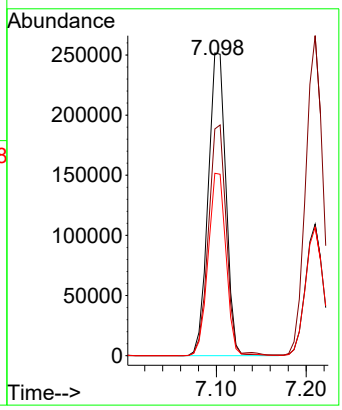


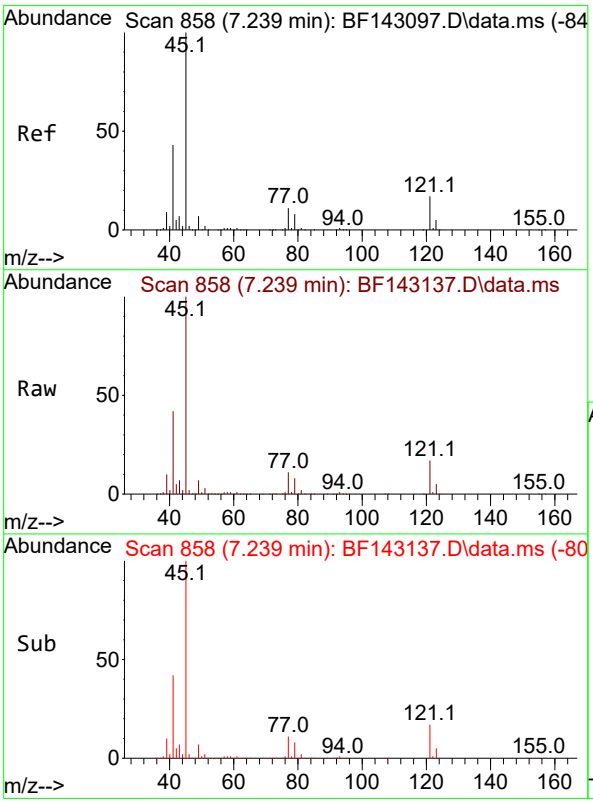
#15
Benzyl Alcohol
Concen: 40.583 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 345178

Ion	Ratio	Lower	Upper
79	100		
108	74.9	61.1	91.7
77	60.3	49.9	74.9

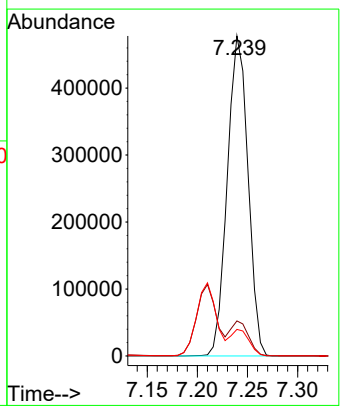


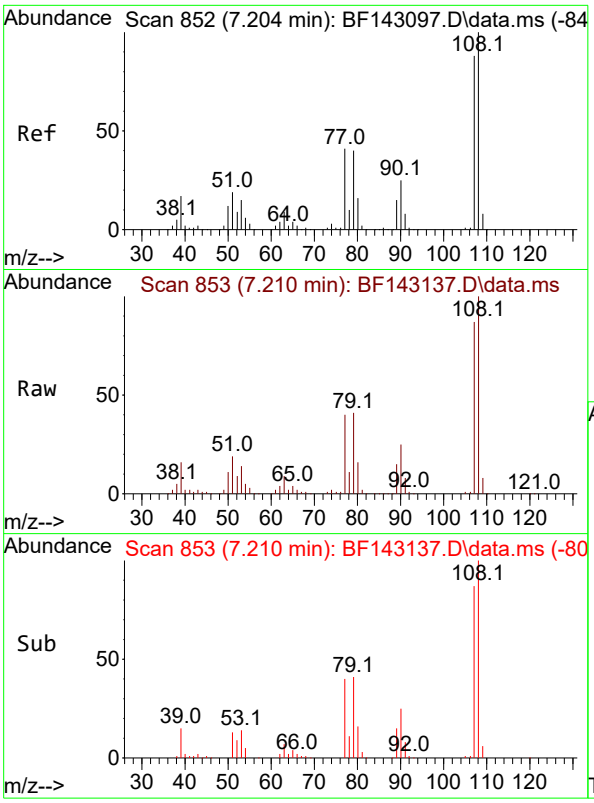


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.723 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 45 Resp: 686686

Ion	Ratio	Lower	Upper
45	100		
77	11.0	0.0	31.1
79	8.3	0.0	28.4



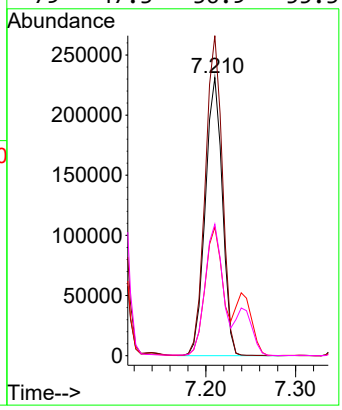


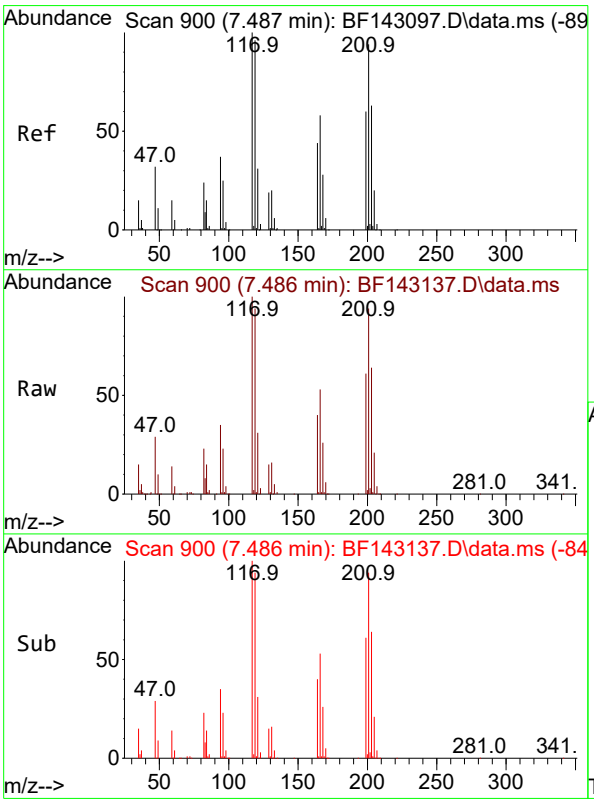
#17
2-Methylphenol
Concen: 38.650 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 306021

Ion	Ratio	Lower	Upper
107	100		
108	115.1	90.9	136.3
77	46.2	37.5	56.3
79	47.3	36.9	55.3

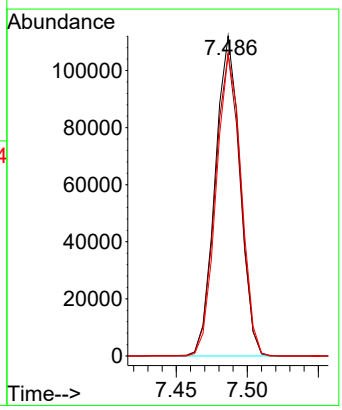


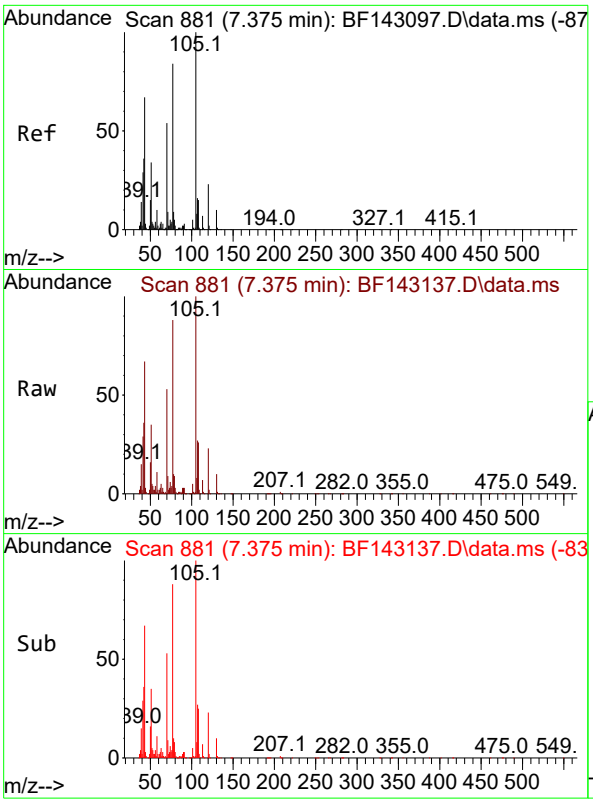


#18
Hexachloroethane
Concen: 40.240 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:117 Resp: 136608

Ion	Ratio	Lower	Upper
117	100		
119	94.5	76.7	115.1
201	94.4	75.0	112.4



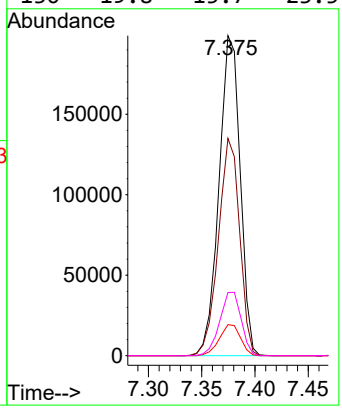


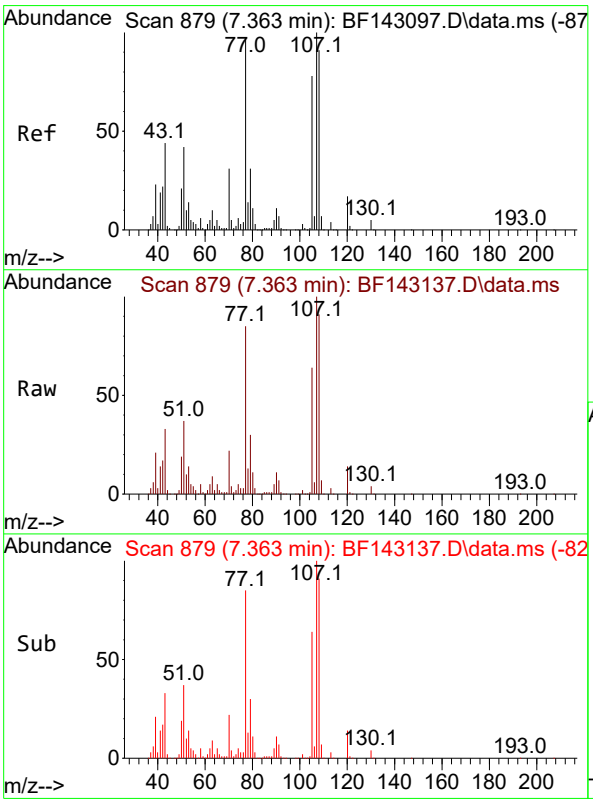
#19
n-Nitroso-di-n-propylamine
Concen: 39.003 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 274293

Ion	Ratio	Lower	Upper
70	100		
42	67.9	53.2	79.8
101	9.7	7.5	11.3
130	19.8	15.7	23.5

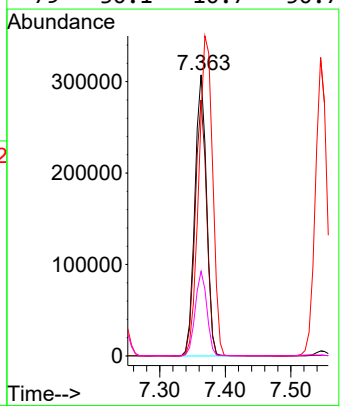


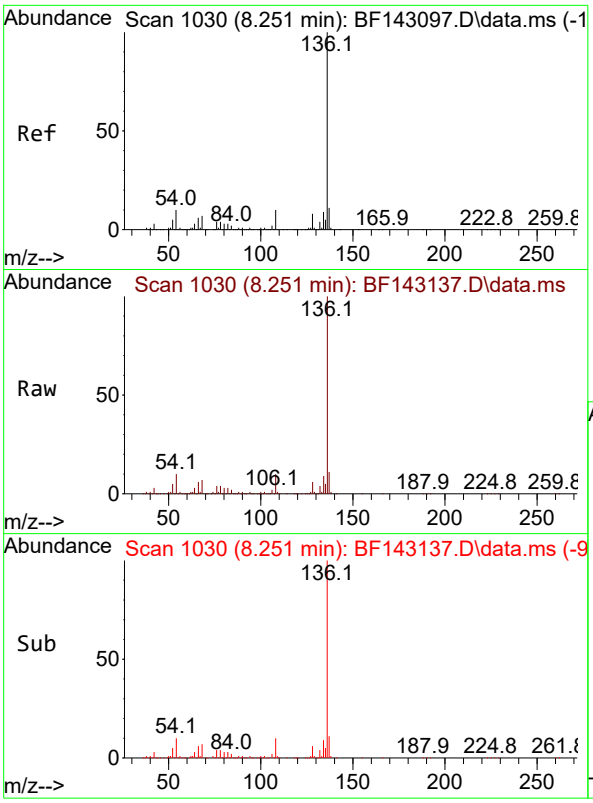


#20
3+4-Methylphenols
Concen: 39.415 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:107 Resp: 382719

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.3	111.3
77	85.5	77.2	117.2
79	30.1	10.7	50.7



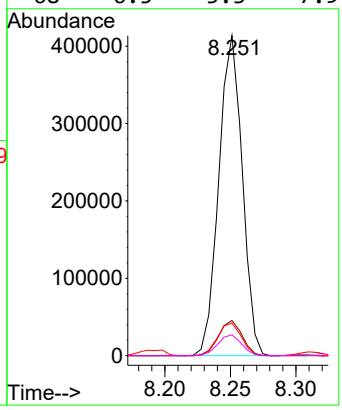


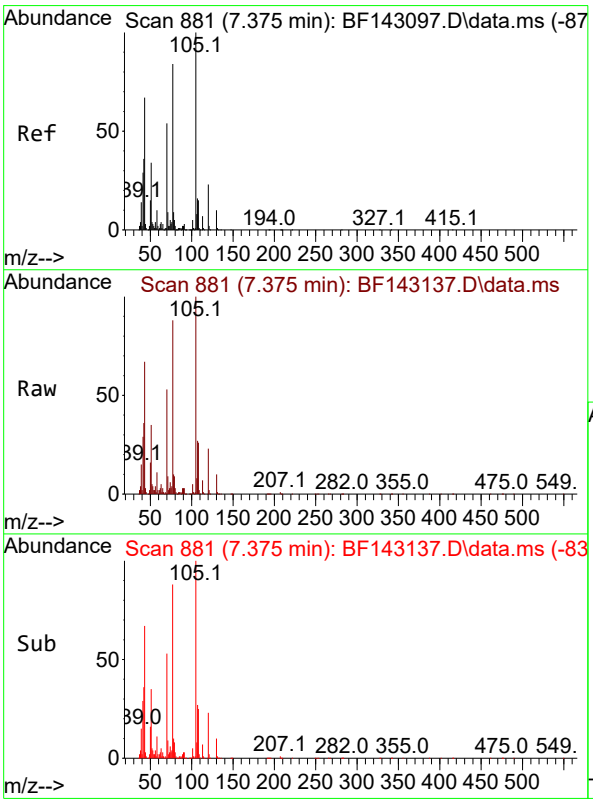
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 514495

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.2	8.3	12.5
68	6.5	5.3	7.9

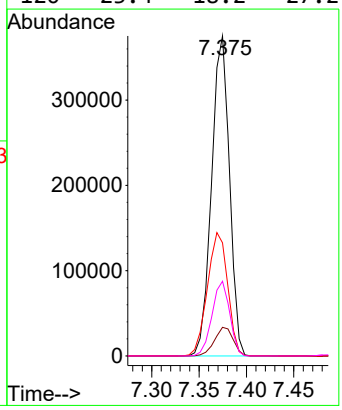


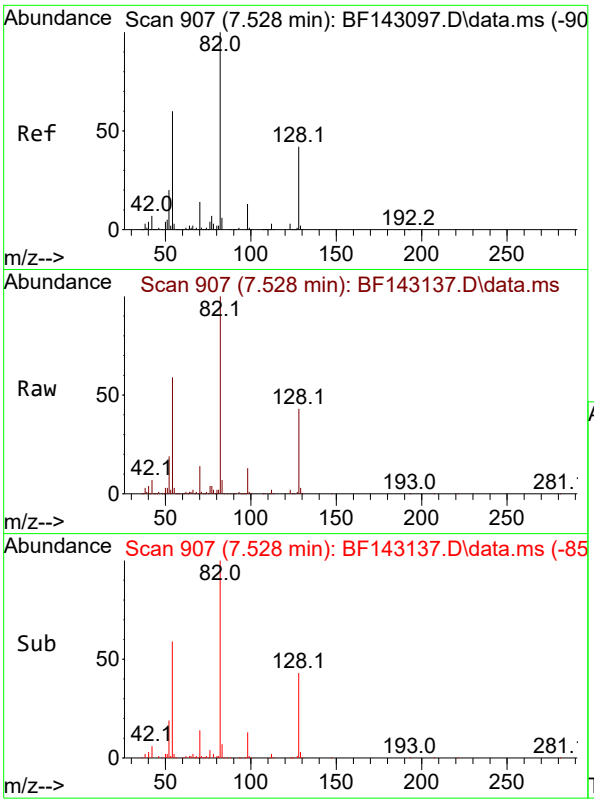


#22
Acetophenone
Concen: 39.785 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:105 Resp: 493430

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	35.4	27.0	40.4
120	23.4	18.2	27.2



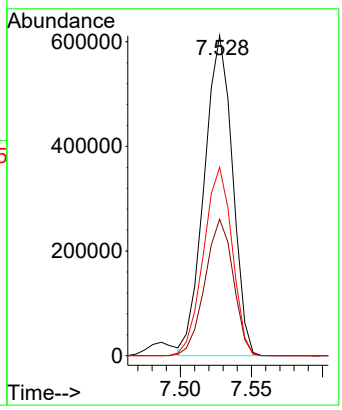


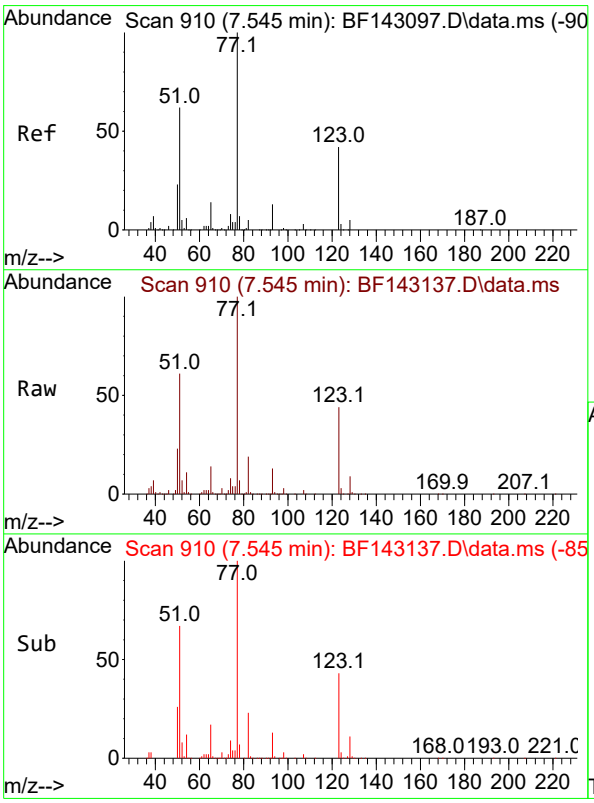
#23
Nitrobenzene-d5
Concen: 92.552 ng
RT: 7.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 848823

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.3	49.9
54	58.9	47.4	71.2

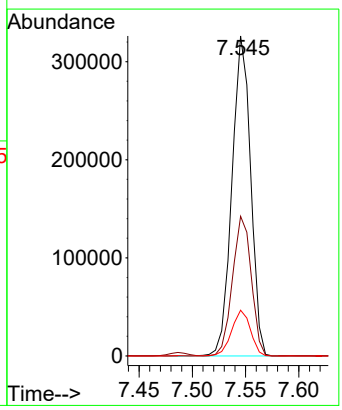


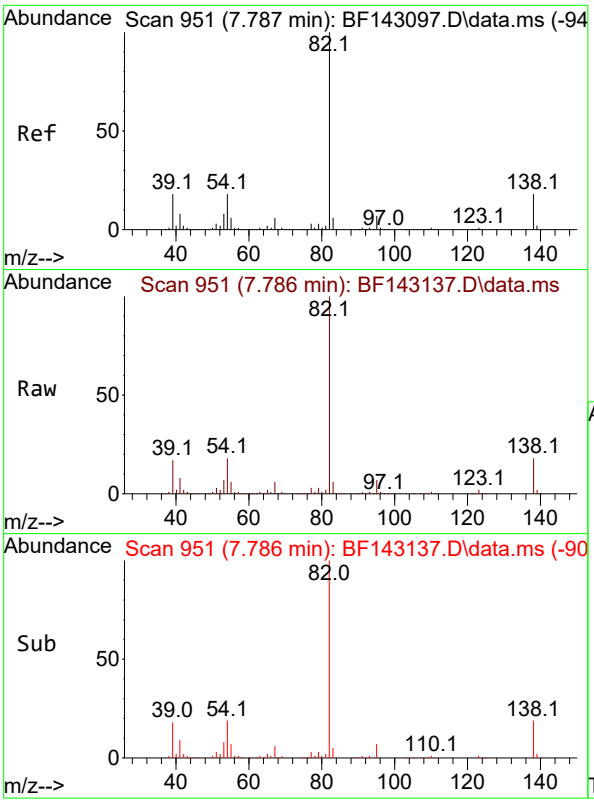


#24
Nitrobenzene
Concen: 44.942 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 77 Resp: 397905

Ion	Ratio	Lower	Upper
77	100		
123	43.7	34.5	51.7
65	14.3	11.3	16.9



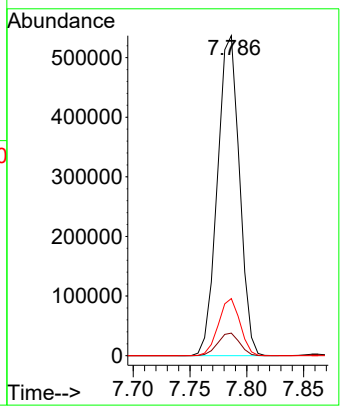


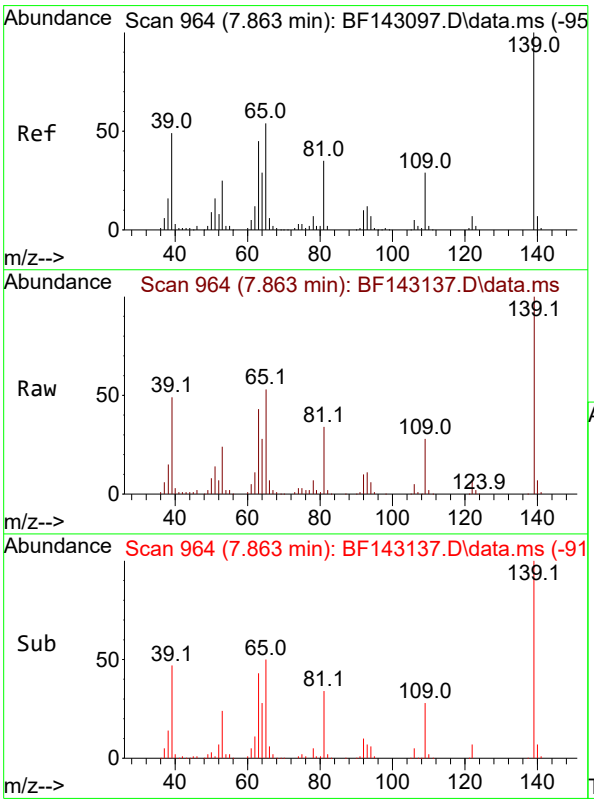
#25
Isophorone
Concen: 40.892 ng
RT: 7.786 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 724887

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	17.9	14.3	21.5

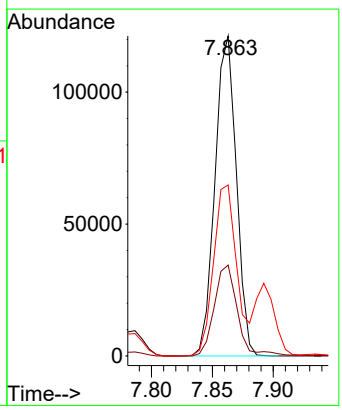


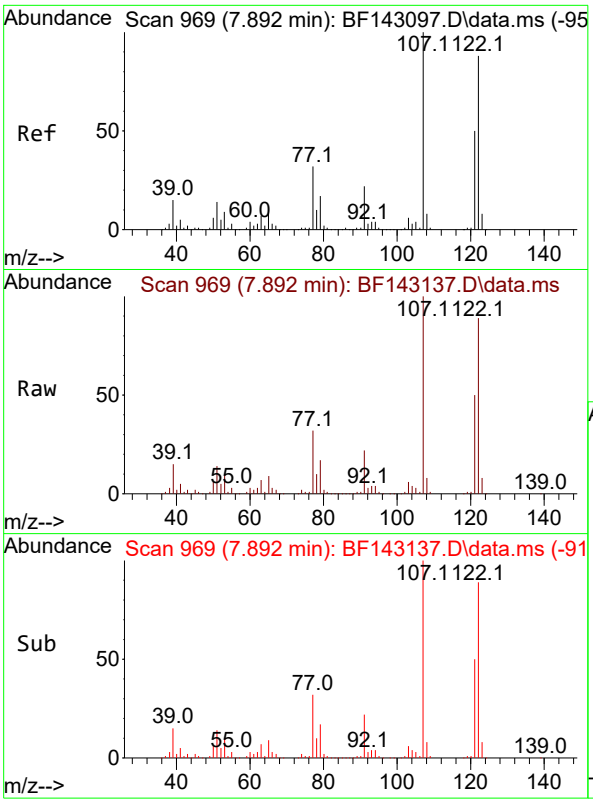


#26
2-Nitrophenol
Concen: 42.372 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:139 Resp: 148139

Ion	Ratio	Lower	Upper
139	100		
109	28.4	23.4	35.0
65	53.5	43.4	65.2



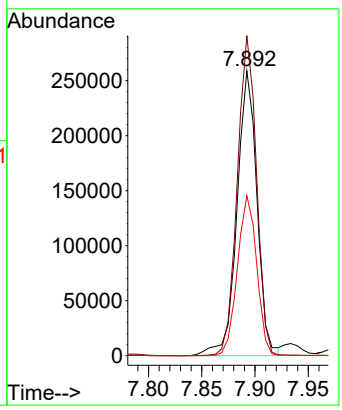


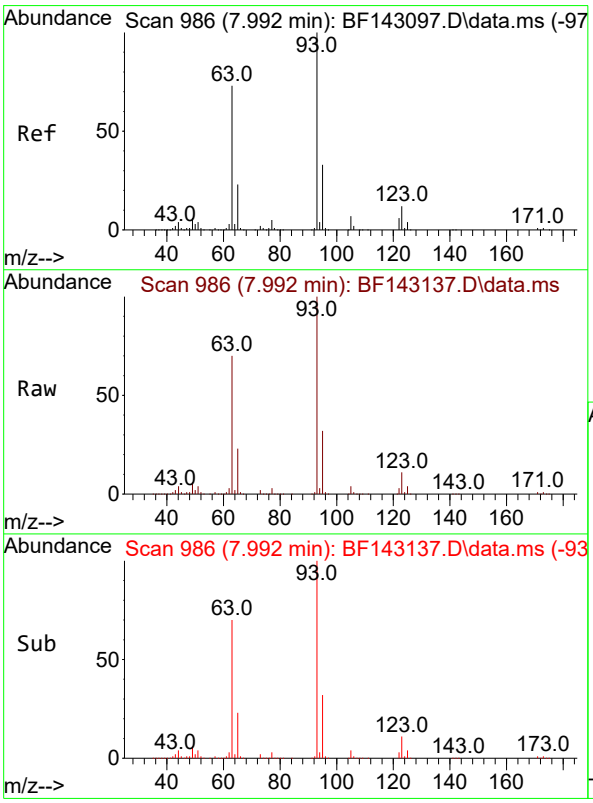
#27
2,4-Dimethylphenol
Concen: 41.206 ng
RT: 7.892 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 339027

Ion	Ratio	Lower	Upper
122	100		
107	112.4	91.3	136.9
121	56.2	45.5	68.3

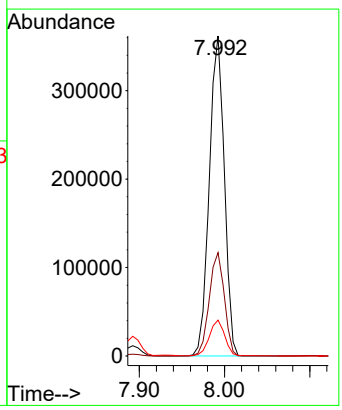


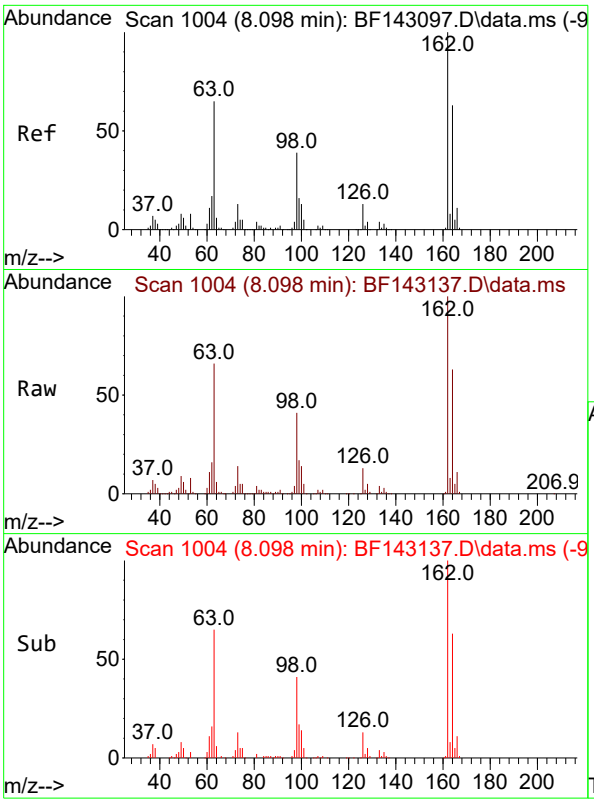


#28
bis(2-Chloroethoxy)methane
Concen: 41.266 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 93 Resp: 443588

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	11.2	9.6	14.4



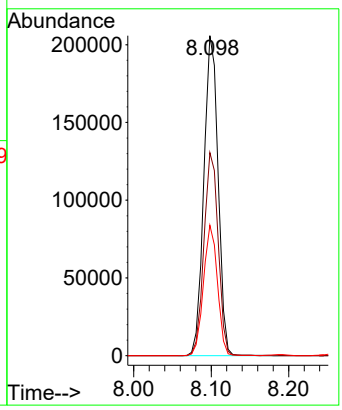


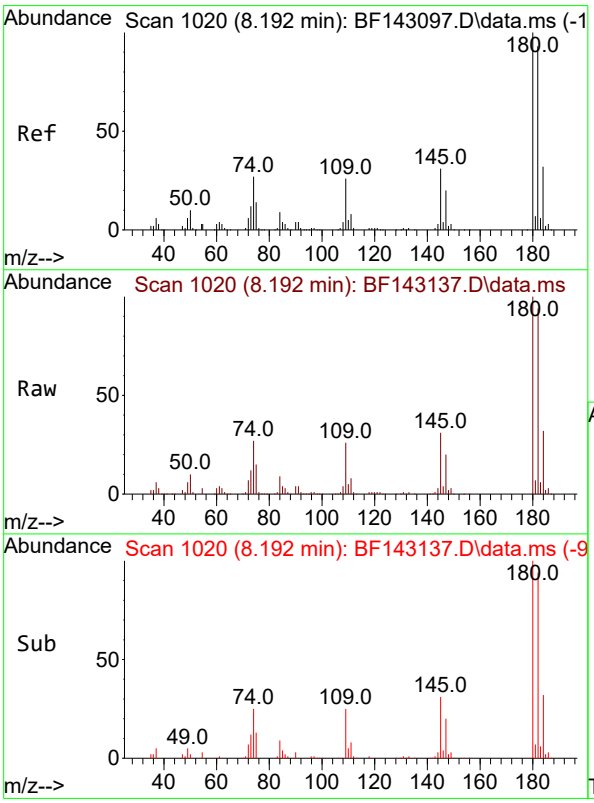
#29
2,4-Dichlorophenol
Concen: 39.049 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 262840

Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.1	83.1
98	40.8	19.2	59.2

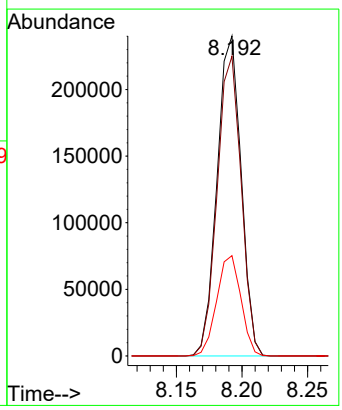


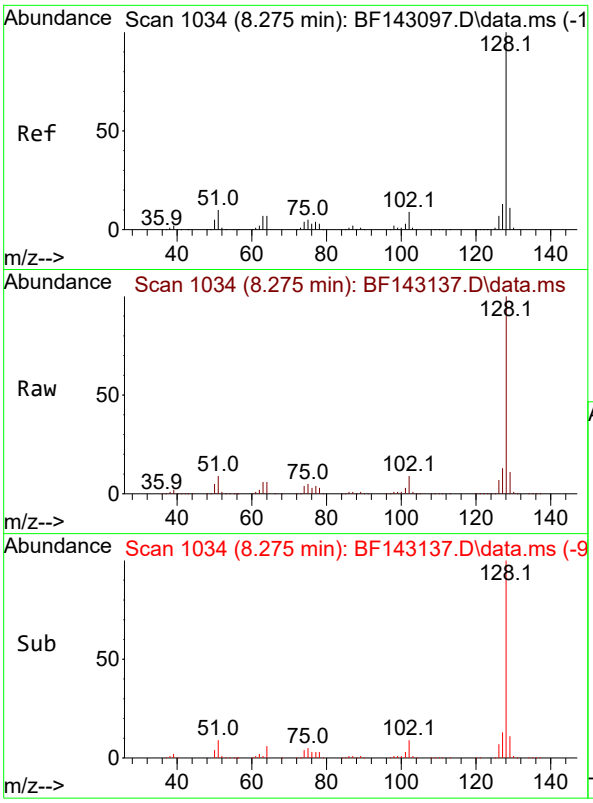


#30
1,2,4-Trichlorobenzene
Concen: 40.052 ng
RT: 8.192 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:180 Resp: 305955

Ion	Ratio	Lower	Upper
180	100		
182	93.6	74.7	112.1
145	31.4	24.5	36.7



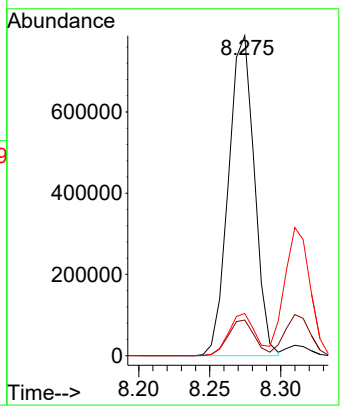


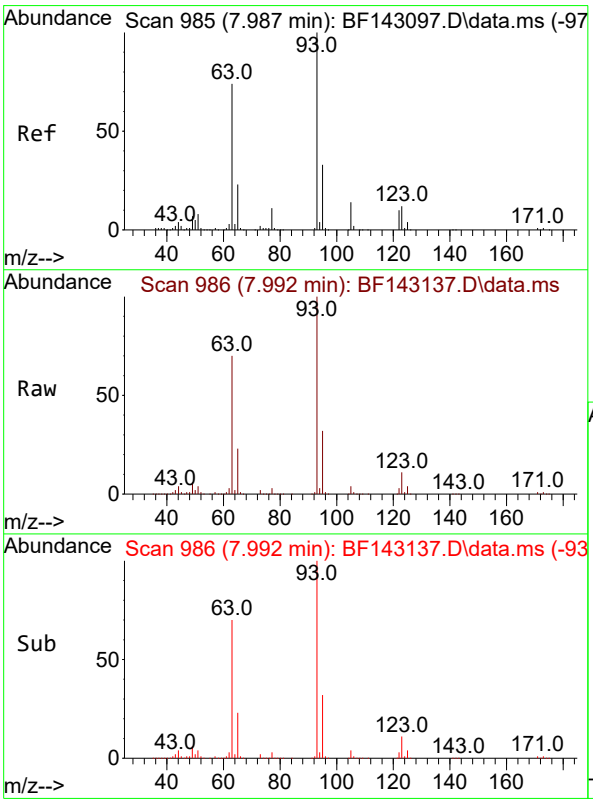
#31
Naphthalene
Concen: 39.022 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 996982

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.5	15.7

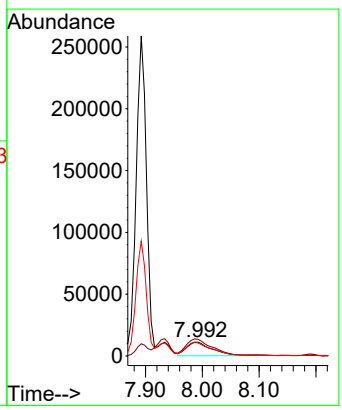


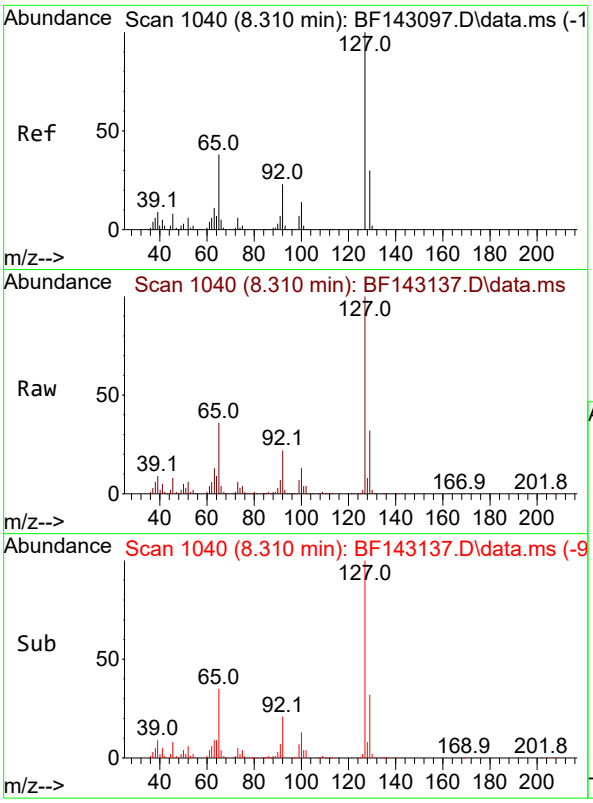


#32
Benzoic acid
Concen: 13.853 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.005 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:122 Resp: 34786

Ion	Ratio	Lower	Upper
122	100		
105	121.2	105.4	145.4
77	94.0	78.6	118.6



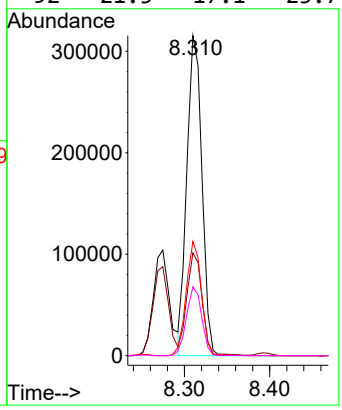


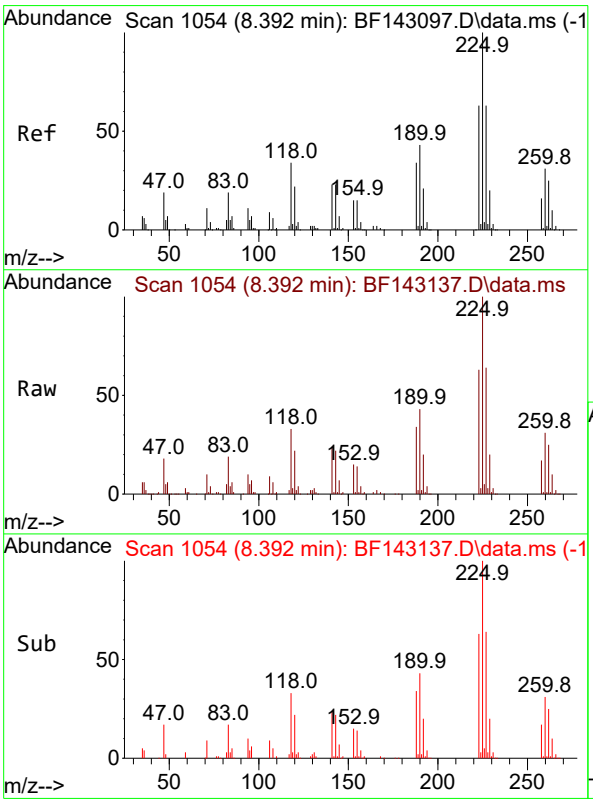
#33
4-Chloroaniline
Concen: 37.914 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 389527

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.4
65	35.7	28.6	42.8
92	21.5	17.1	25.7

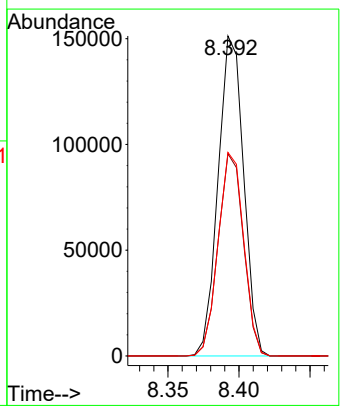


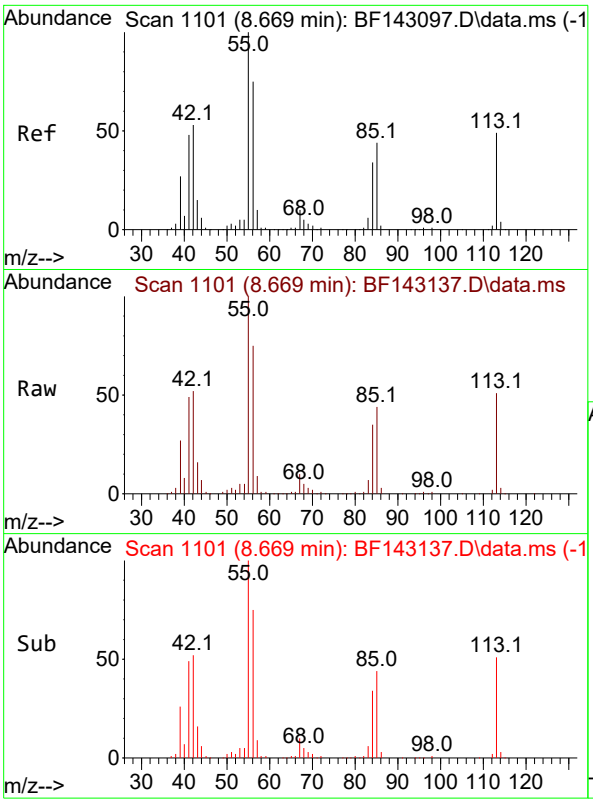


#34
Hexachlorobutadiene
Concen: 41.361 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:225 Resp: 188958

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.3	75.5
227	63.6	50.1	75.1



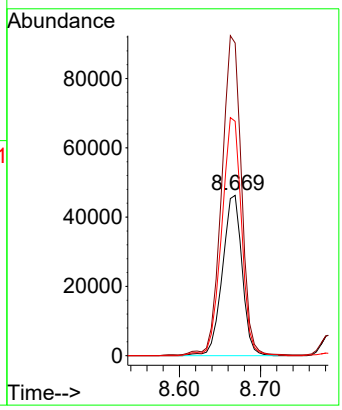


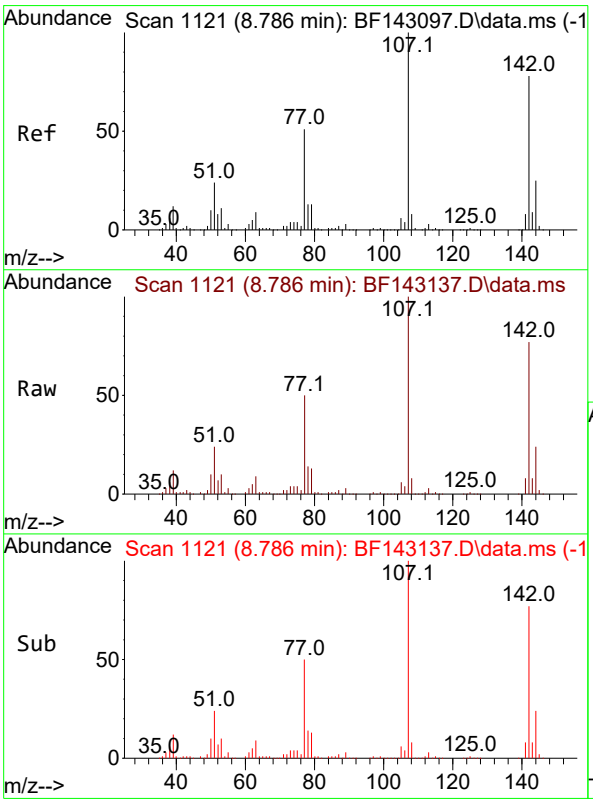
#35
Caprolactam
Concen: 37.085 ng
RT: 8.669 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 77948

Ion	Ratio	Lower	Upper
113	100		
55	194.9	186.2	226.2
56	146.2	134.1	174.1

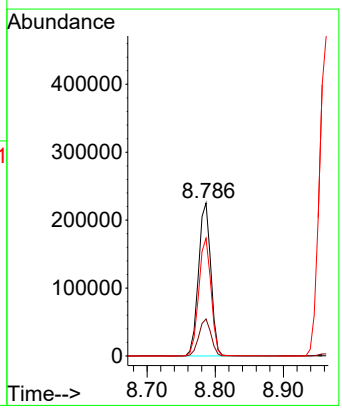


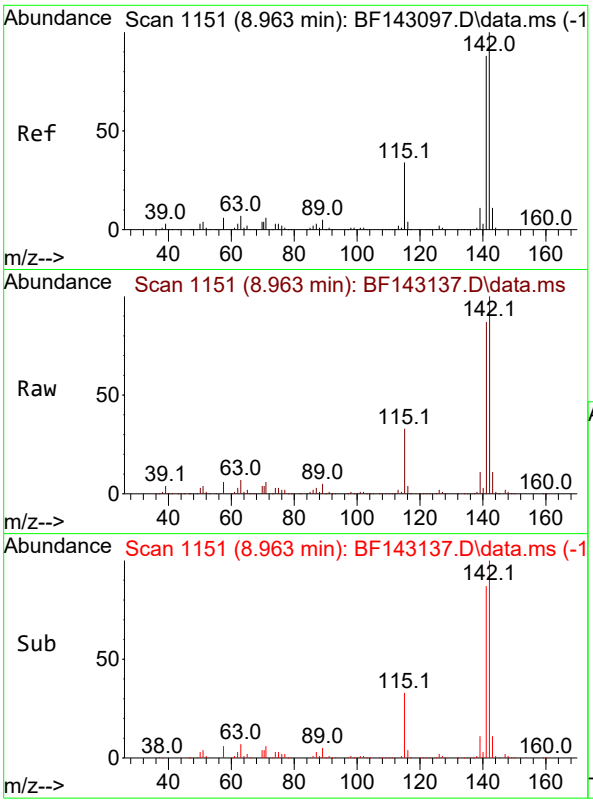


#36
4-Chloro-3-methylphenol
Concen: 37.997 ng
RT: 8.786 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:107 Resp: 284902

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.2	30.2
142	77.0	62.4	93.6



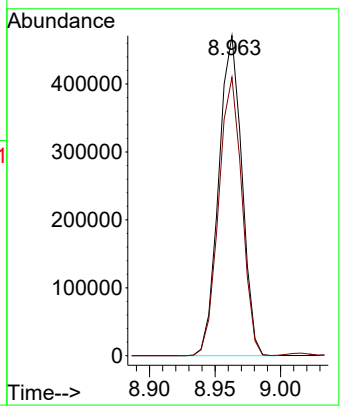


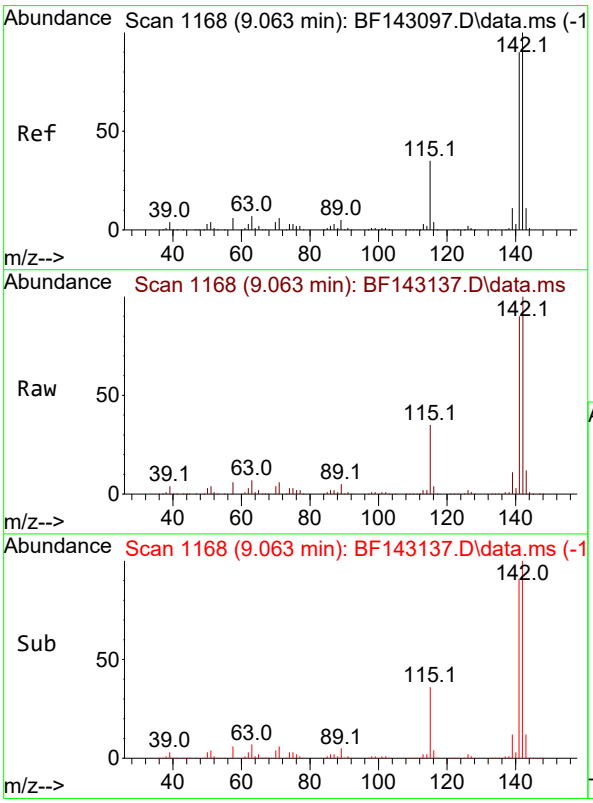
#37
2-Methylnaphthalene
Concen: 37.939 ng
RT: 8.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 578259

Ion	Ratio	Lower	Upper
142	100		
141	87.0	70.2	105.2

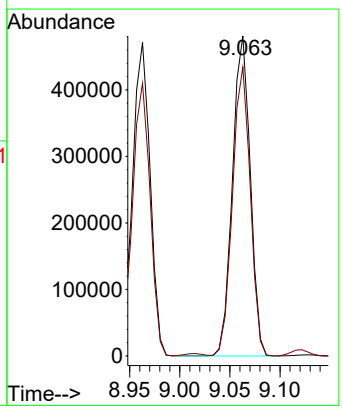


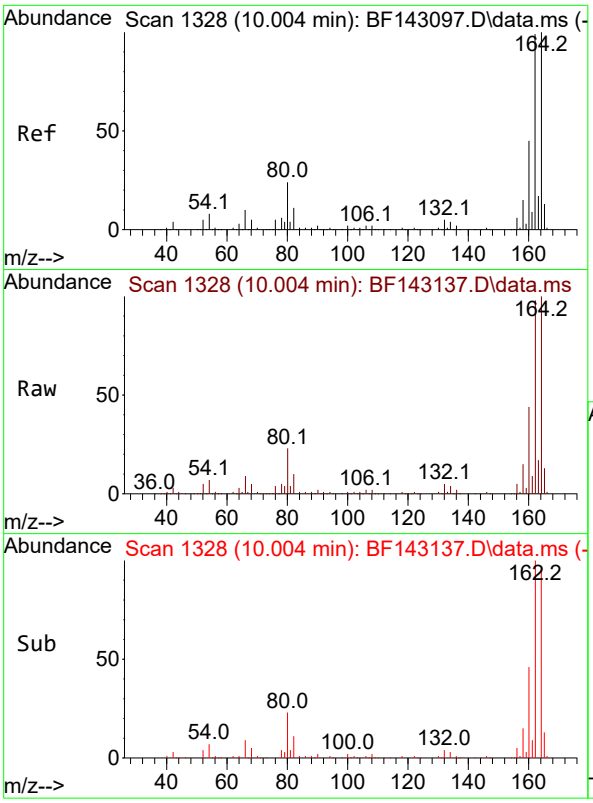


#38
1-Methylnaphthalene
Concen: 37.710 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:142 Resp: 596132

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4



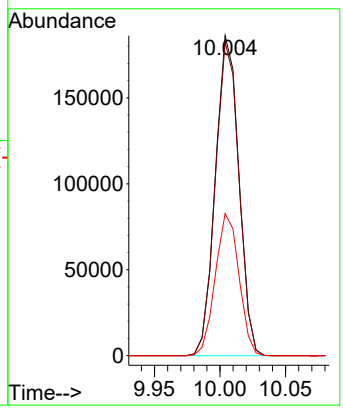


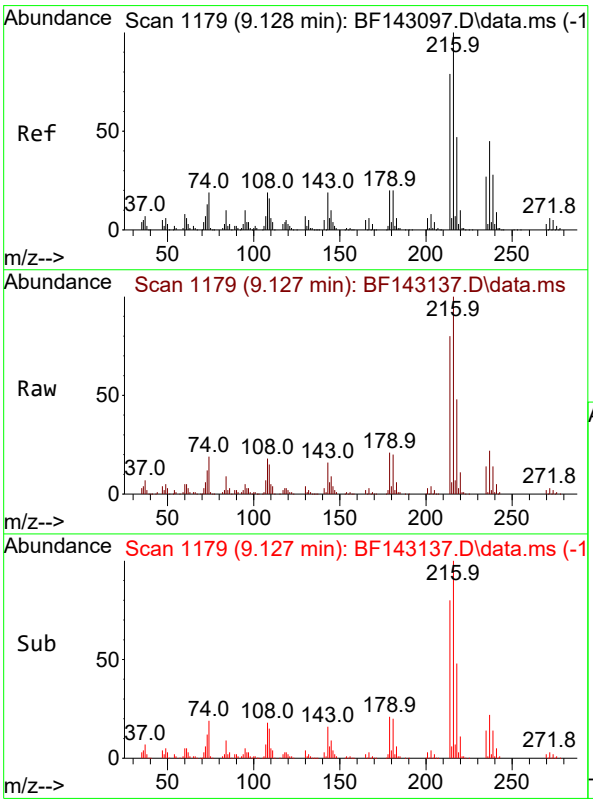
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 231809

Ion	Ratio	Lower	Upper
164	100		
162	97.9	79.0	118.6
160	44.4	35.8	53.6

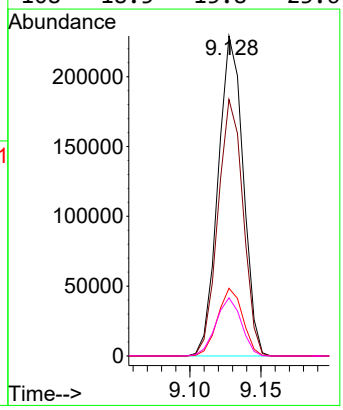


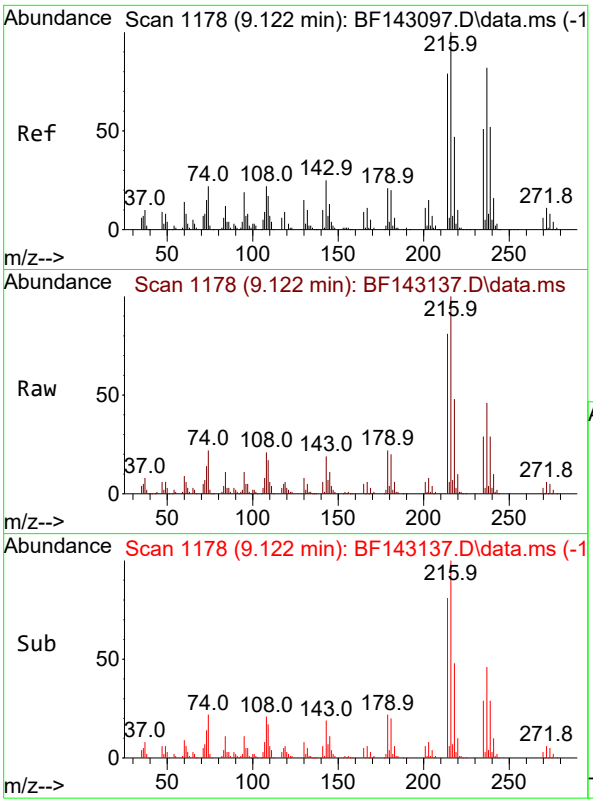


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.698 ng
RT: 9.127 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:216 Resp: 281686

Ion	Ratio	Lower	Upper
216	100		
214	80.0	62.6	94.0
179	21.1	16.2	24.2
108	18.5	15.8	23.6



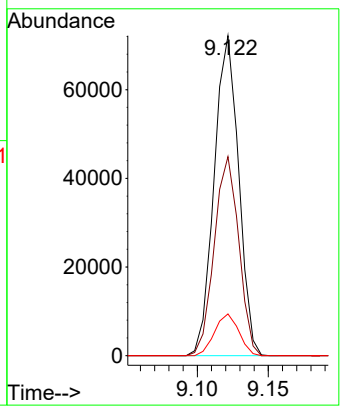


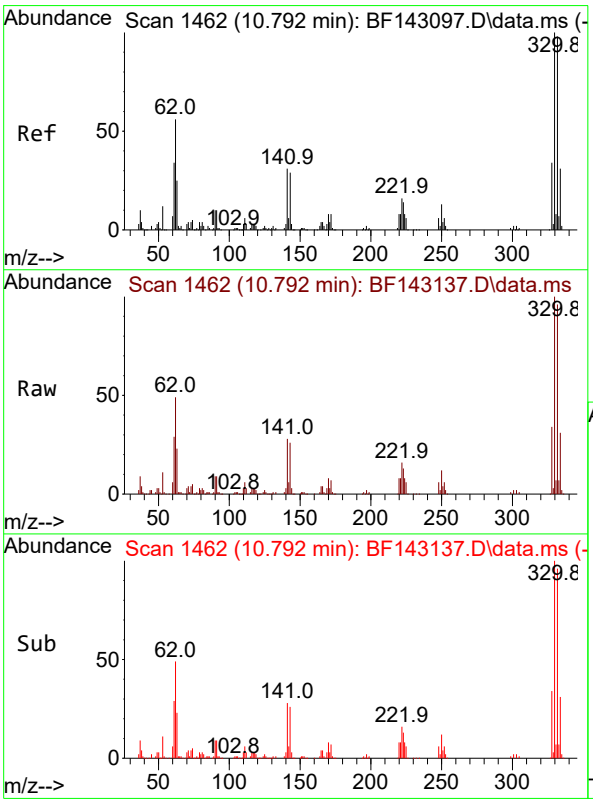
#41
Hexachlorocyclopentadiene
Concen: 23.127 ng
RT: 9.122 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 86619

Ion	Ratio	Lower	Upper
237	100		
235	62.2	41.6	81.6
272	13.0	0.0	32.9

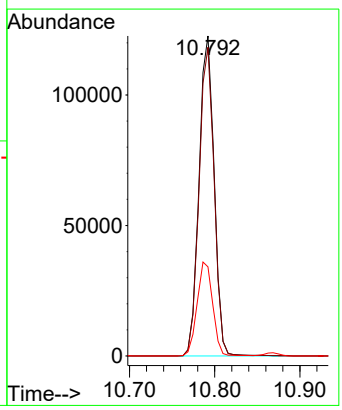


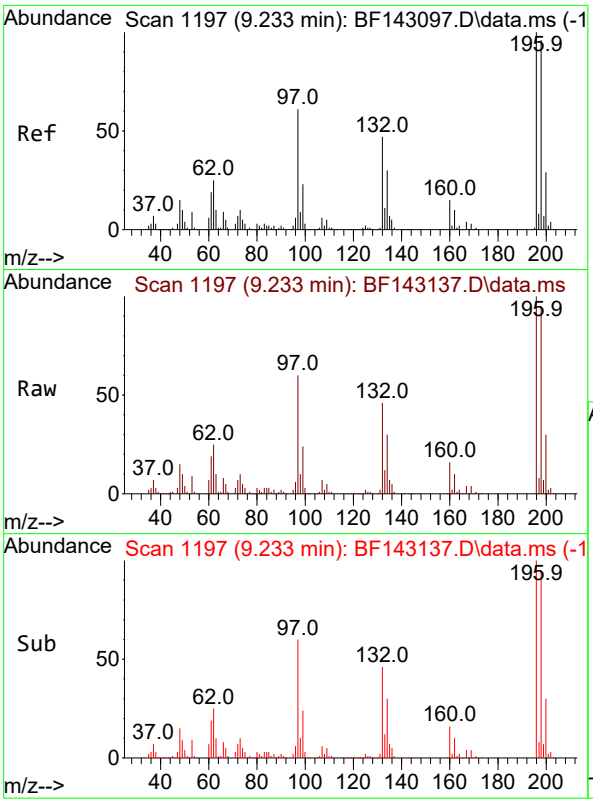


#42
2,4,6-Tribromophenol
Concen: 73.003 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:330 Resp: 150891

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.9	116.9
141	30.3	25.9	38.9



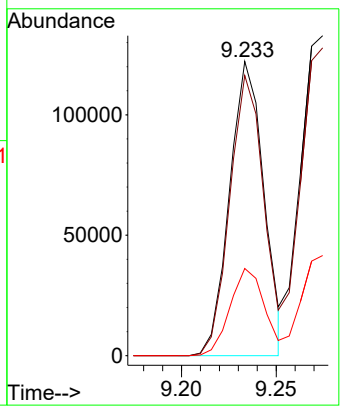


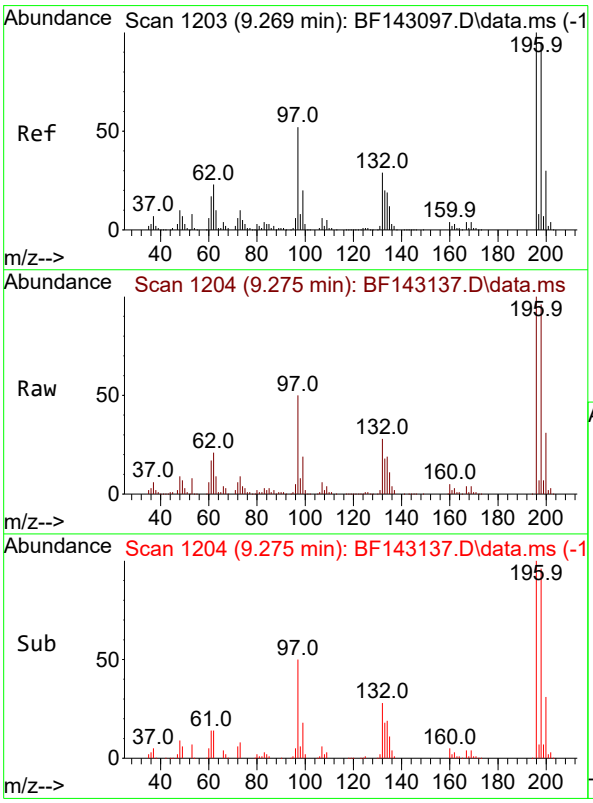
#43
2,4,6-Trichlorophenol
Concen: 36.620 ng
RT: 9.233 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 153713

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.9	115.3
200	29.6	23.5	35.3

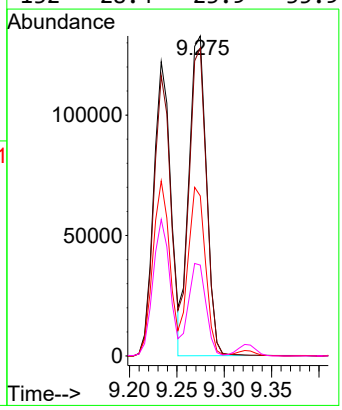


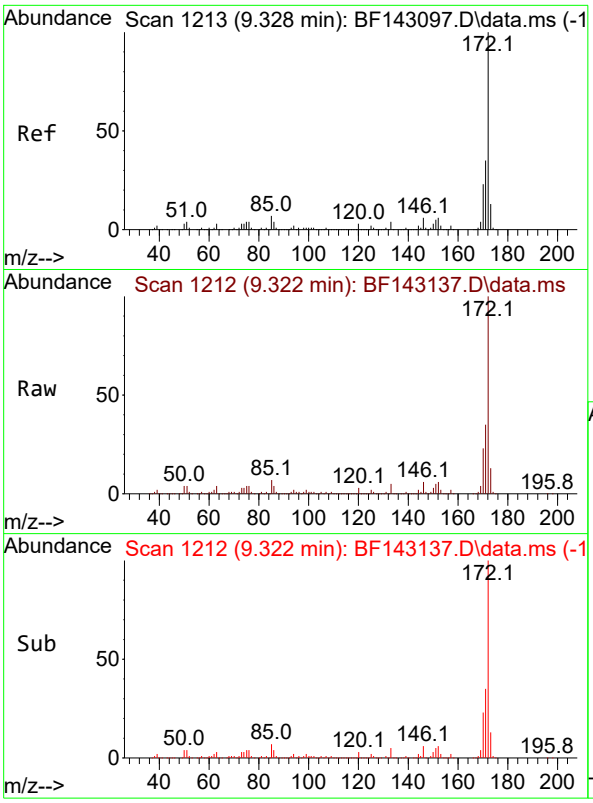


#44
2,4,5-Trichlorophenol
Concen: 38.898 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:196 Resp: 171201

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.4	114.6
97	50.0	42.4	63.6
132	28.4	23.9	35.9



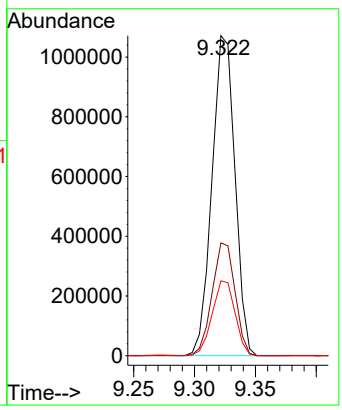


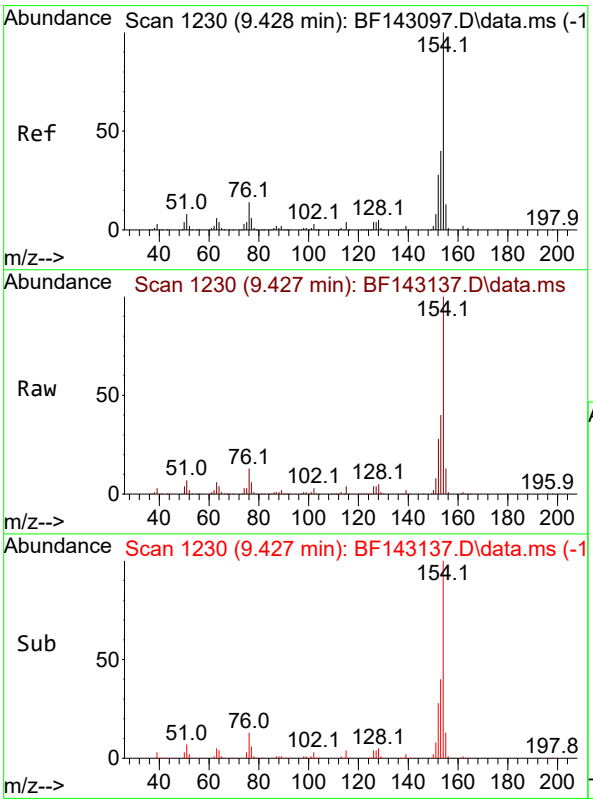
#45
2-Fluorobiphenyl
Concen: 80.821 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1409405

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.2	42.4
170	23.4	18.6	28.0

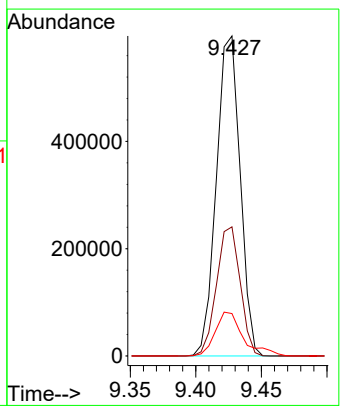


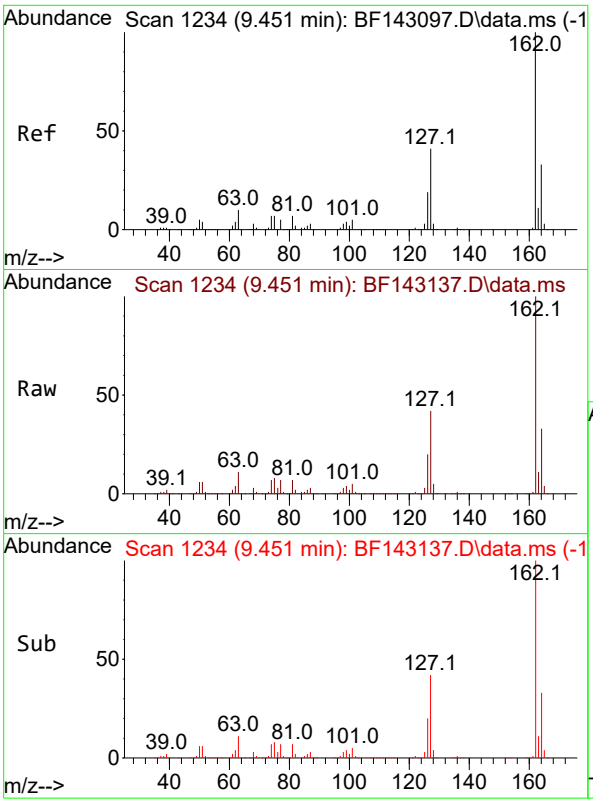


#46
1,1'-Biphenyl
Concen: 40.638 ng
RT: 9.427 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:154 Resp: 751239

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.1	60.1
76	13.3	0.0	33.7



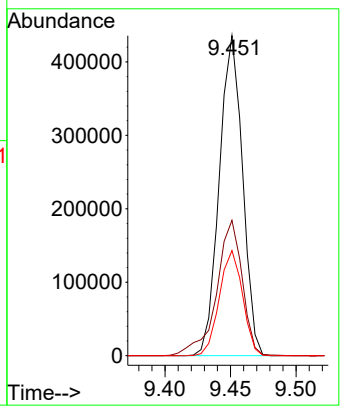


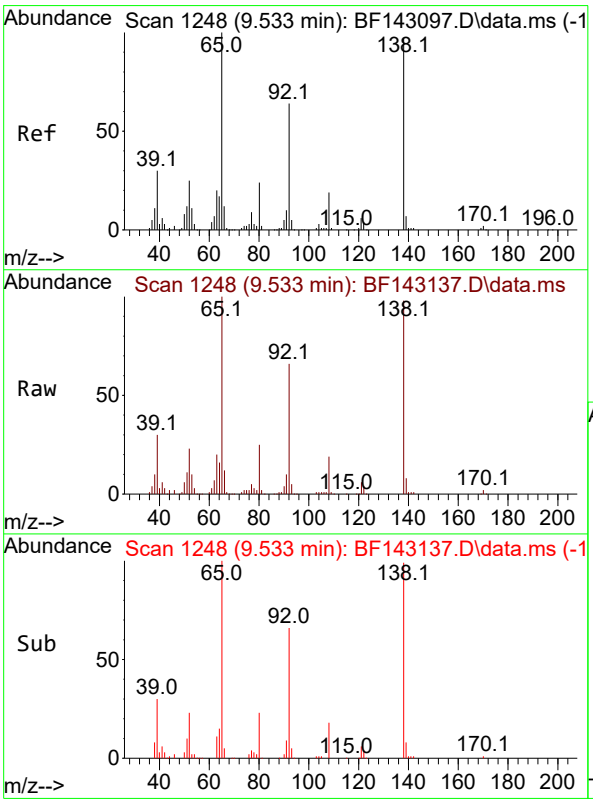
#47
2-Chloronaphthalene
Concen: 39.549 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 537100

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.0	49.6
164	32.9	26.1	39.1

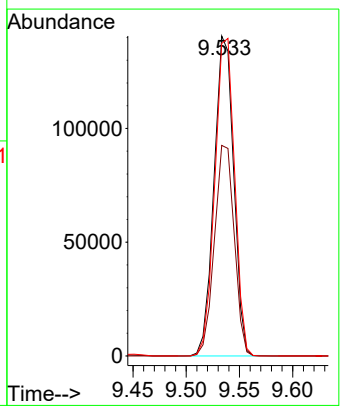


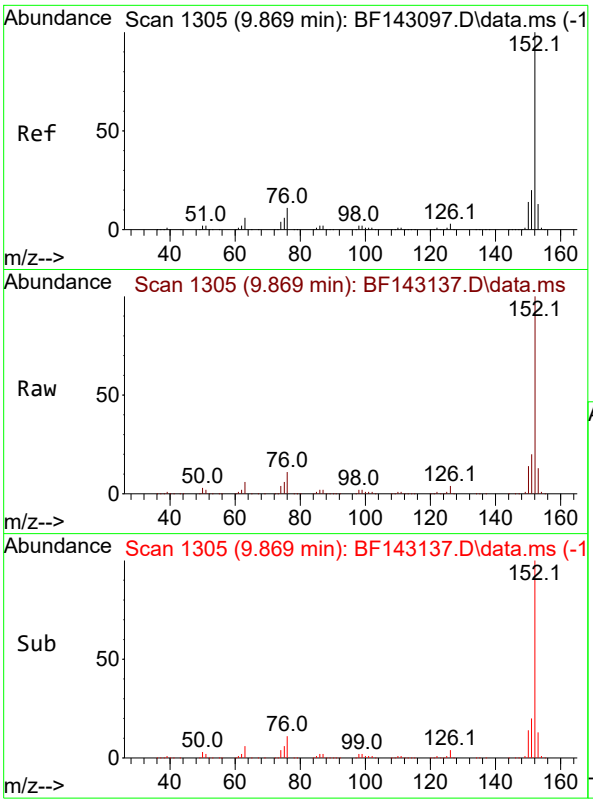


#48
2-Nitroaniline
Concen: 44.648 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion: 65 Resp: 180073

Ion	Ratio	Lower	Upper
65	100		
92	65.8	51.3	76.9
138	97.6	77.8	116.6



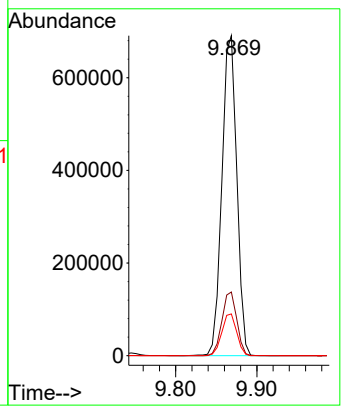


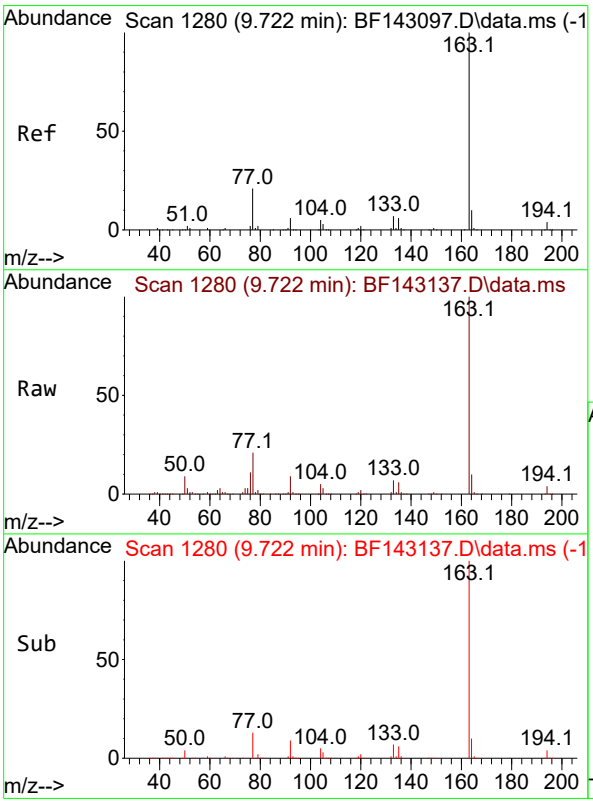
#49
Acenaphthylene
Concen: 39.008 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 882729

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.0	10.4	15.6

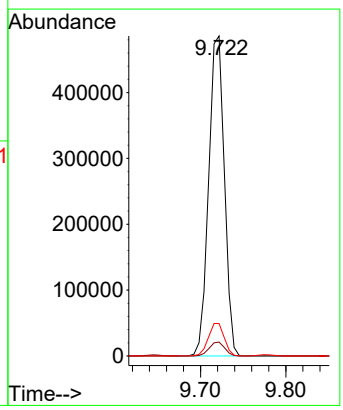


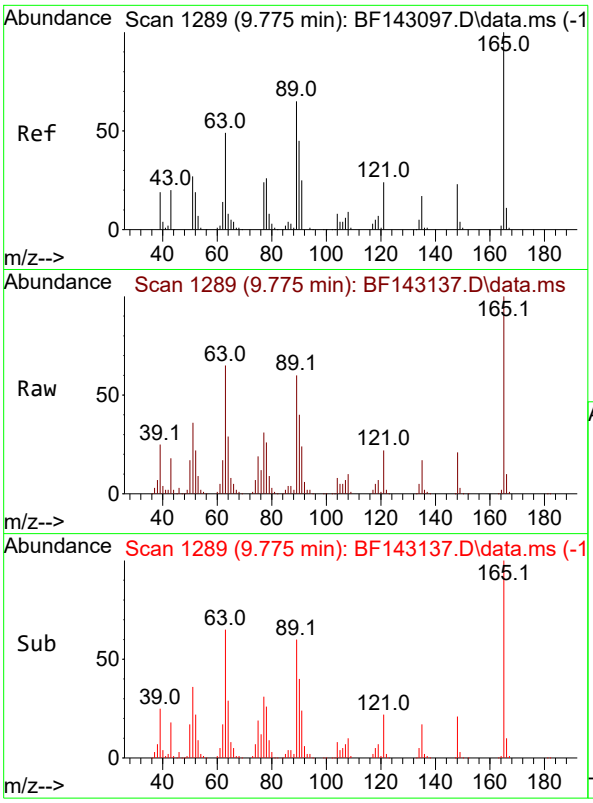


#50
Dimethylphthalate
Concen: 42.709 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:163 Resp: 622841

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	8.2	12.2



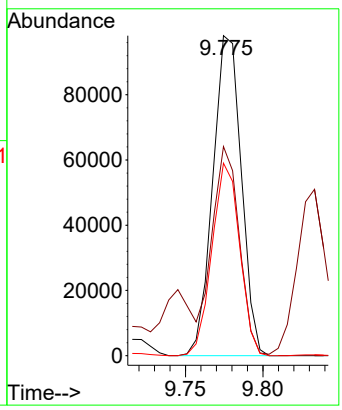


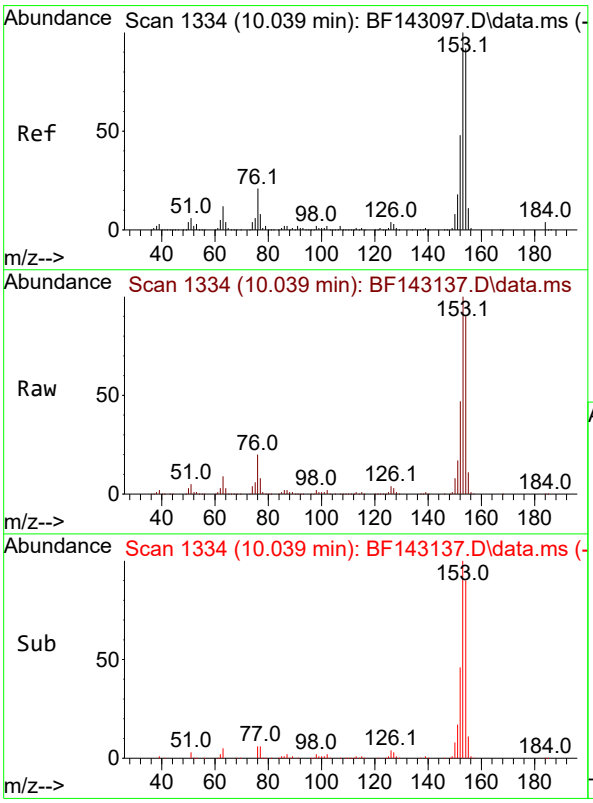
#51
2,6-Dinitrotoluene
Concen: 43.803 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 125478

Ion	Ratio	Lower	Upper
165	100		
63	65.3	57.4	86.0
89	60.1	51.8	77.8

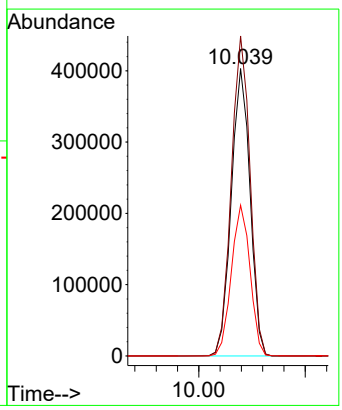


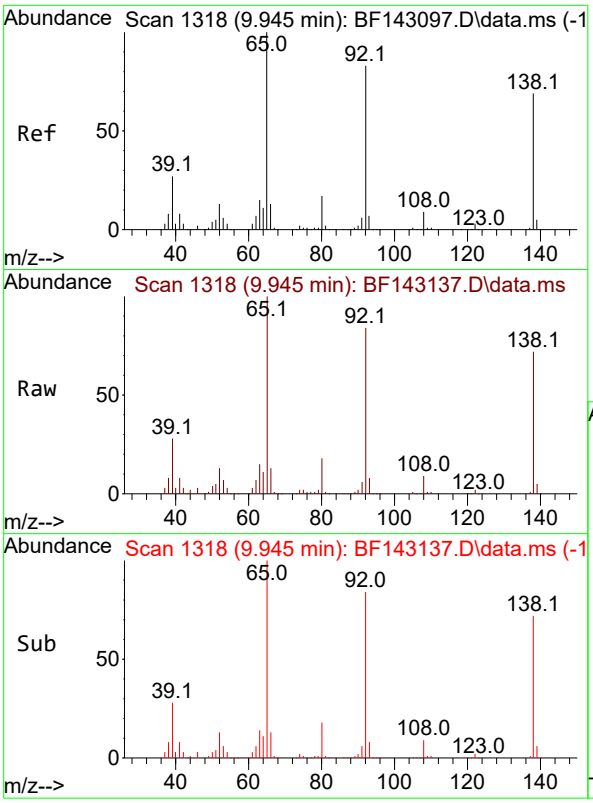


#52
Acenaphthene
Concen: 37.016 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:154 Resp: 494312

Ion	Ratio	Lower	Upper
154	100		
153	111.3	86.7	130.1
152	52.5	41.4	62.2



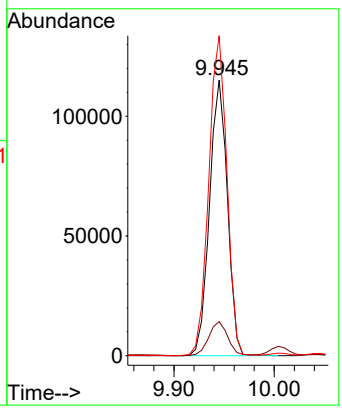


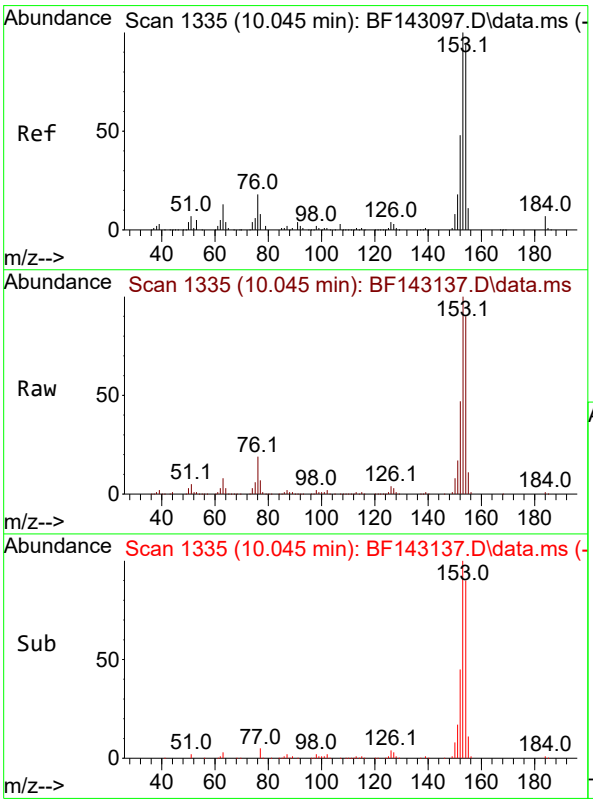
#53
3-Nitroaniline
Concen: 45.308 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 142775

Ion	Ratio	Lower	Upper
138	100		
108	12.4	10.1	15.1
92	116.2	96.4	144.6

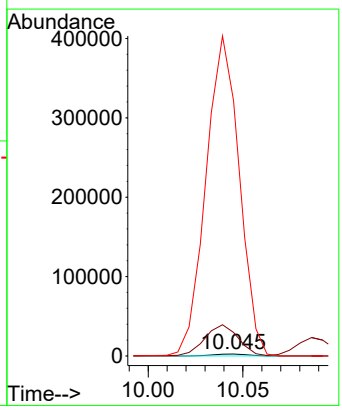


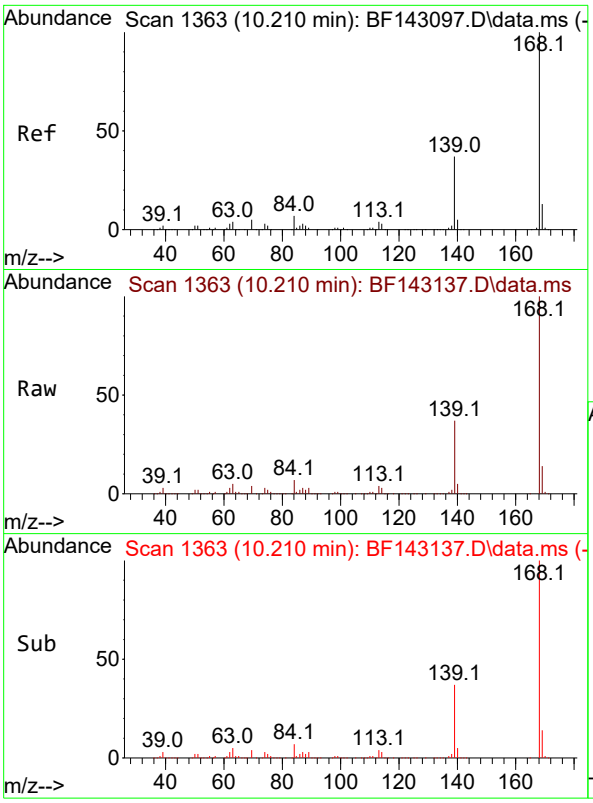


#54
2,4-Dinitrophenol
Concen: 8.444 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:184 Resp: 2929

Ion	Ratio	Lower	Upper
184	100		
63	1226.6	149.3	223.9#
154	13270.2	1048.0	1572.0#



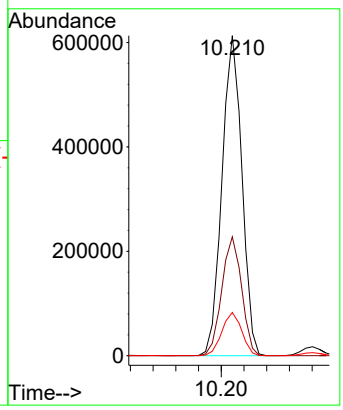


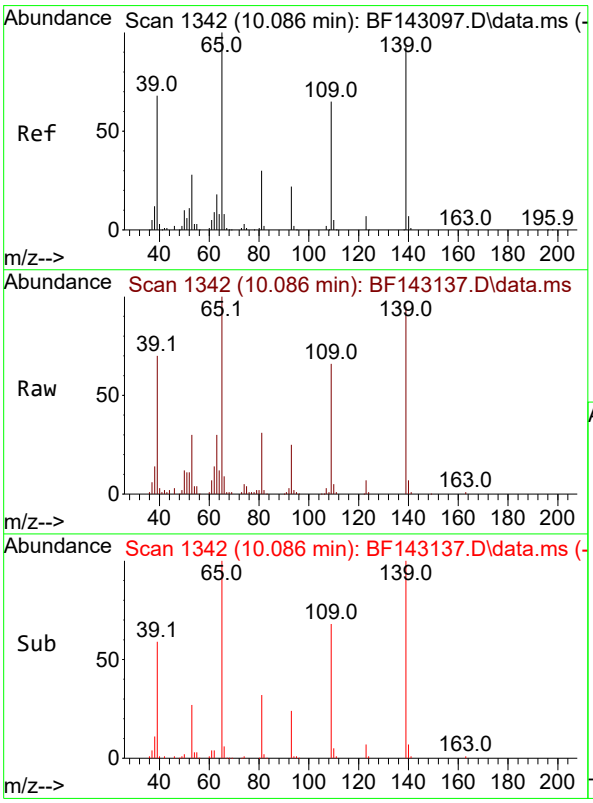
#55
Dibenzofuran
Concen: 37.488 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 746194

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.5	10.8	16.2

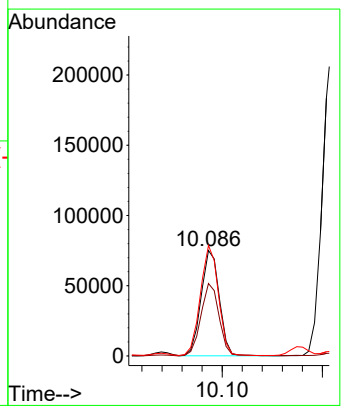


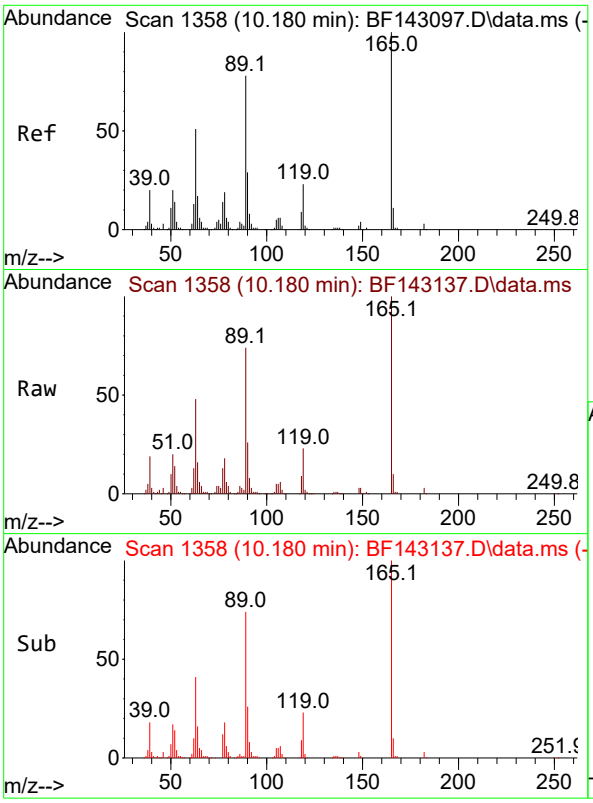


#56
4-Nitrophenol
Concen: 37.764 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:139 Resp: 94578

Ion	Ratio	Lower	Upper
139	100		
109	68.7	49.4	89.4
65	104.8	88.2	128.2



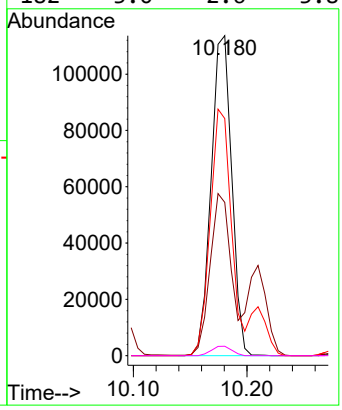


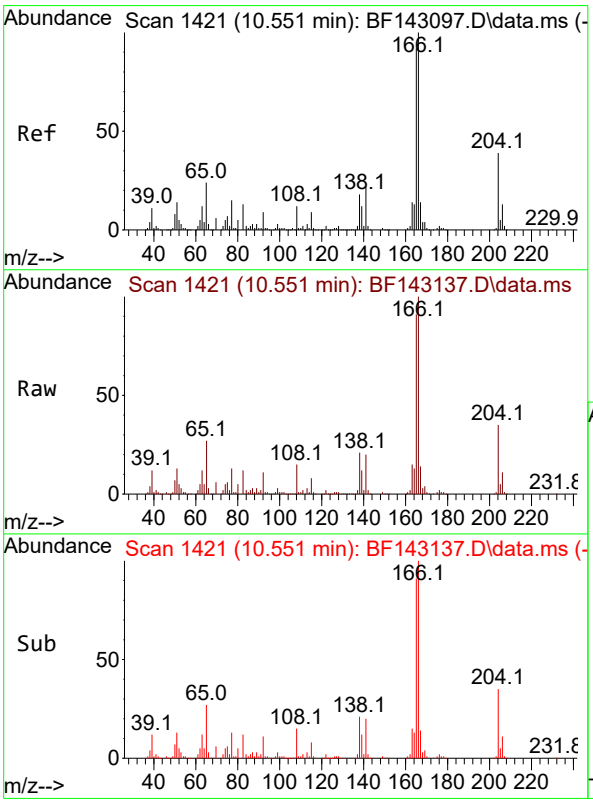
#57
2,4-Dinitrotoluene
Concen: 40.390 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 143263

Ion	Ratio	Lower	Upper
165	100		
63	47.9	40.6	61.0
89	74.1	62.3	93.5
182	3.0	2.6	3.8

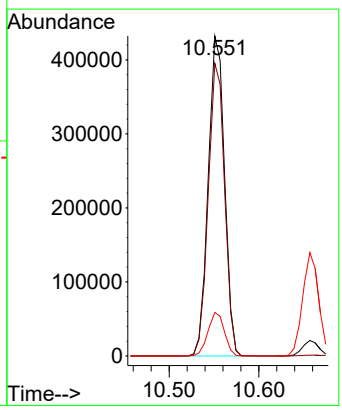


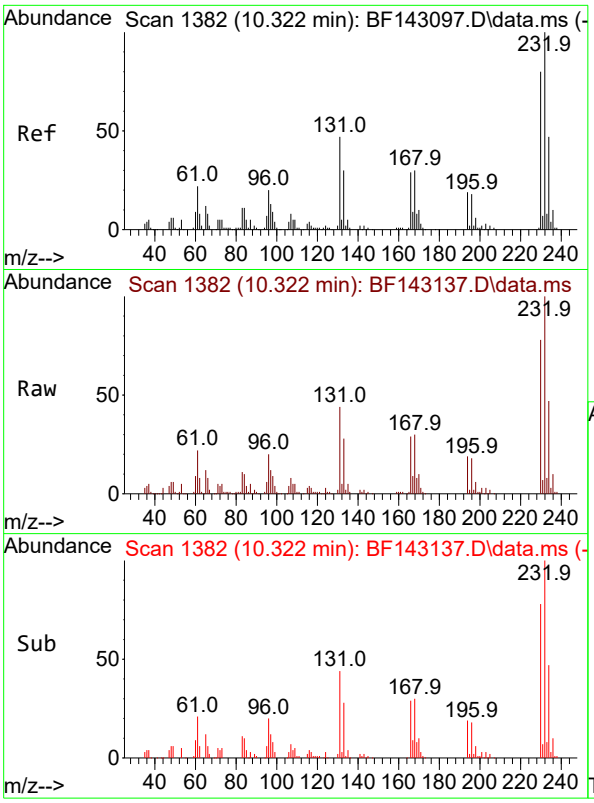


#58
Fluorene
Concen: 36.553 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:166 Resp: 545475

Ion	Ratio	Lower	Upper
166	100		
165	91.4	73.7	110.5
167	13.6	10.9	16.3



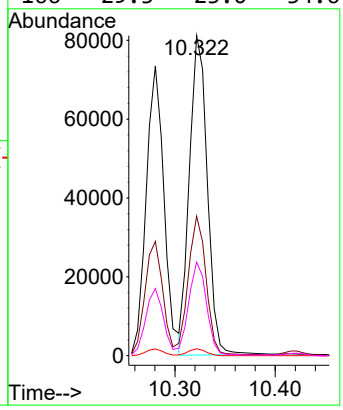


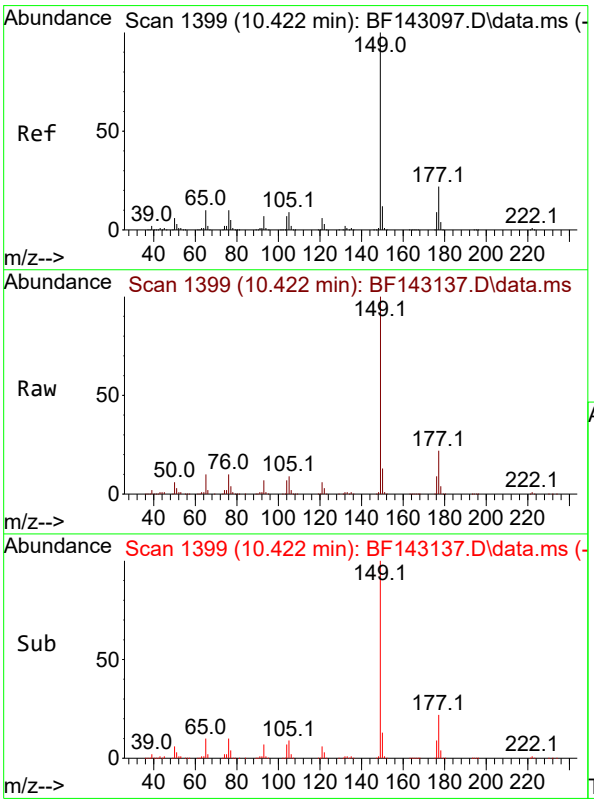
#59
2,3,4,6-Tetrachlorophenol
Concen: 28.775 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 100646

Ion	Ratio	Lower	Upper
232	100		
131	44.5	36.9	55.3
130	2.2	1.8	2.8
166	29.3	23.0	34.6

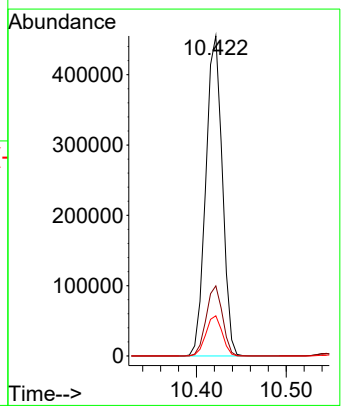


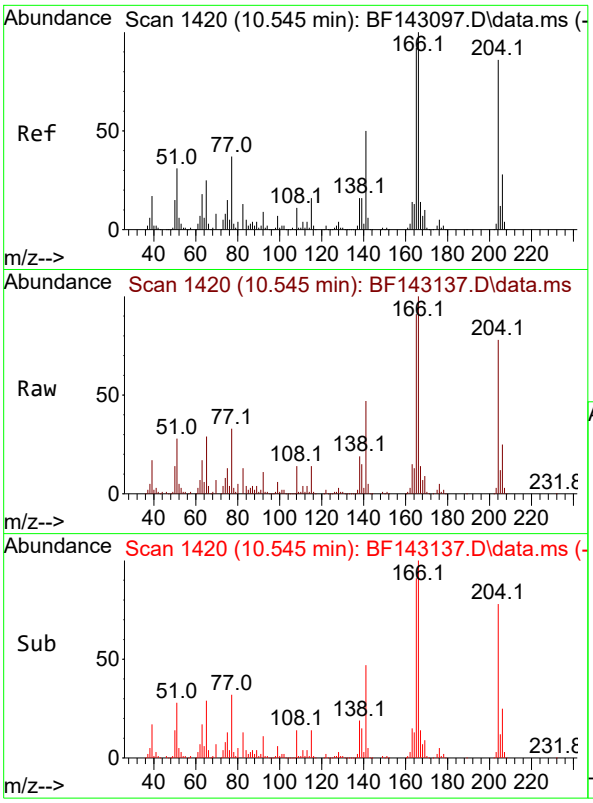


#60
Diethylphthalate
Concen: 41.278 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:149 Resp: 580771

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.3	25.9
150	12.5	9.9	14.9



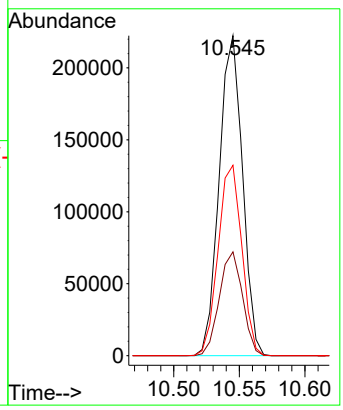


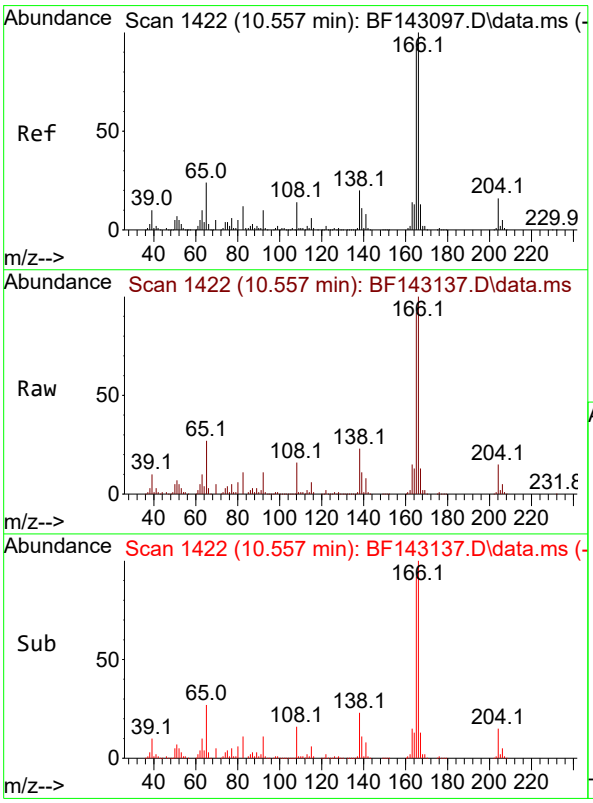
#61
4-Chlorophenyl-phenylether
Concen: 38.408 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 274714

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.6
141	59.5	46.8	70.2

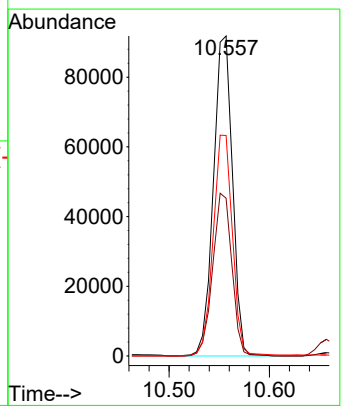


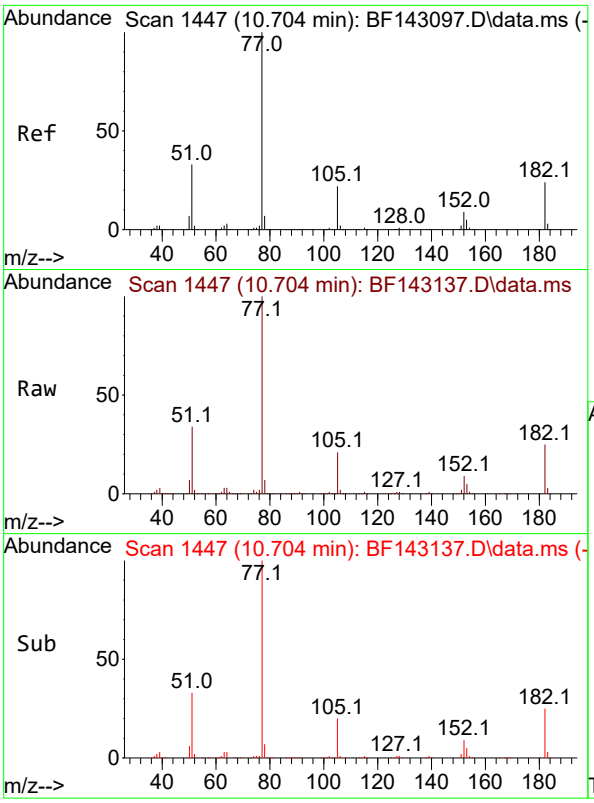


#62
4-Nitroaniline
Concen: 44.086 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:138 Resp: 120811

Ion	Ratio	Lower	Upper
138	100		
92	49.3	30.4	70.4
108	68.9	49.5	89.5



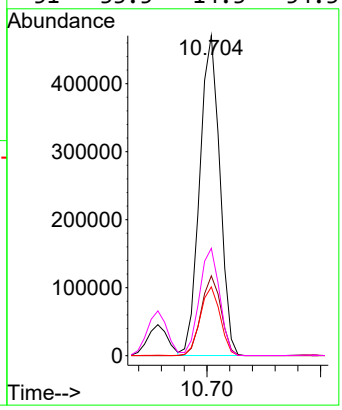


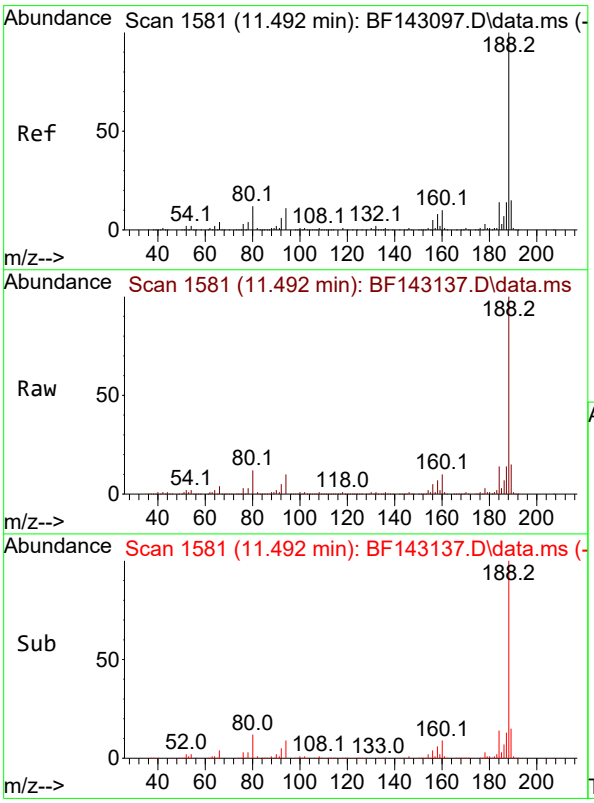
#63
Azobenzene
Concen: 37.072 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 576851

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.0	44.0
105	21.5	1.4	41.4
51	33.5	14.3	54.3

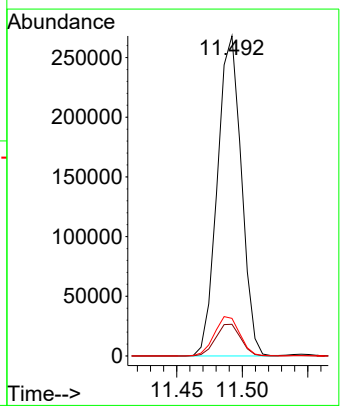


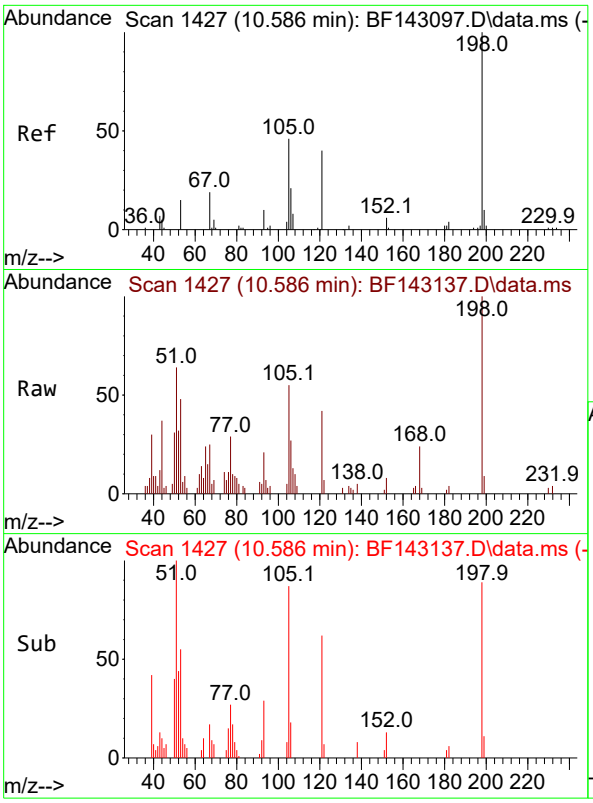


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:188 Resp: 340985

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.6	13.0
80	11.8	9.3	13.9



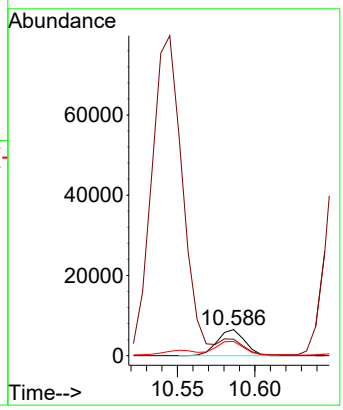


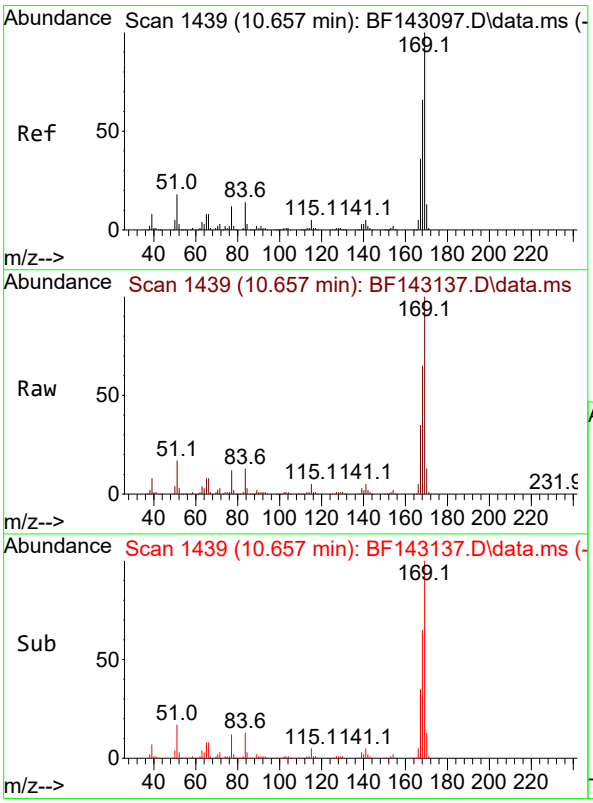
#65
4,6-Dinitro-2-methylphenol
Concen: 11.937 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 7985

Ion	Ratio	Lower	Upper
198	100		
51	63.5	44.6	84.6
105	54.7	29.3	69.3

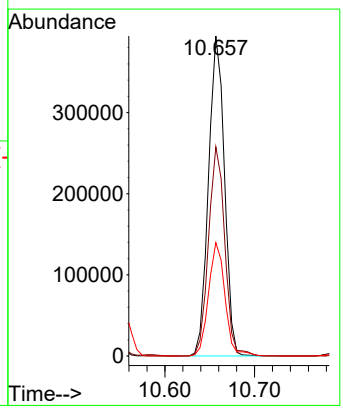


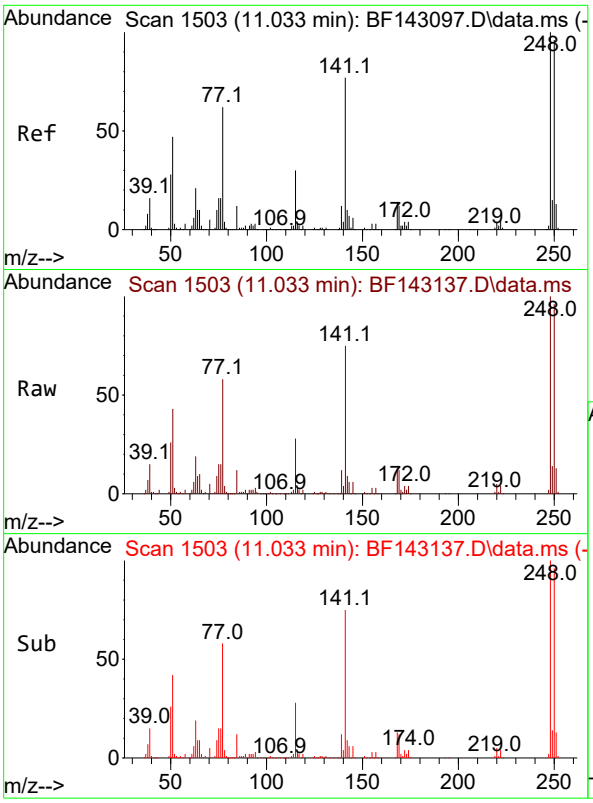


#66
n-Nitrosodiphenylamine
Concen: 40.633 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:169 Resp: 486685

Ion	Ratio	Lower	Upper
169	100		
168	65.4	53.0	79.6
167	35.4	28.4	42.6



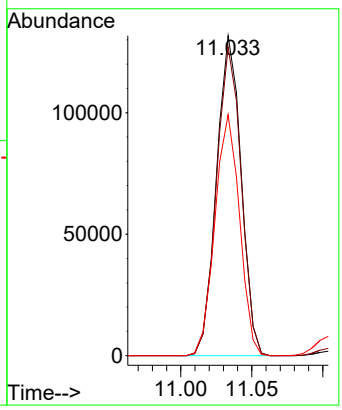


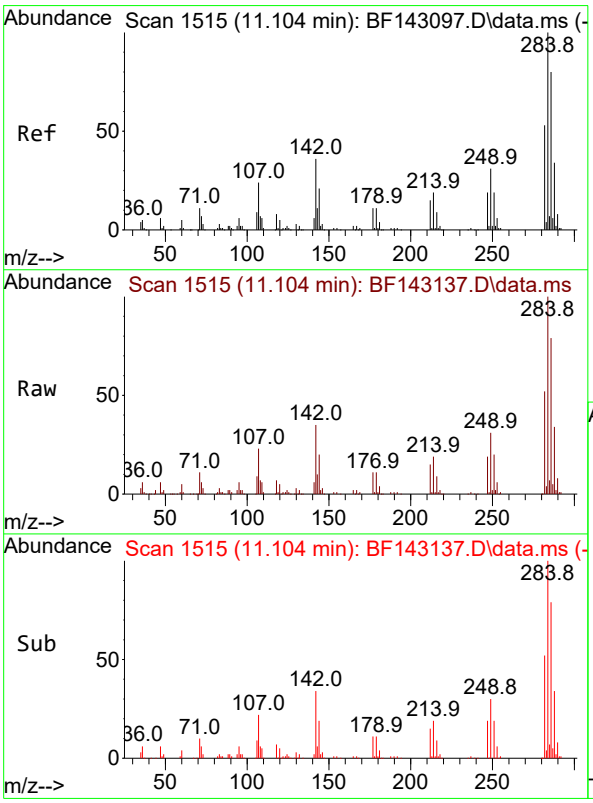
#67
4-Bromophenyl-phenylether
Concen: 40.927 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 158704

Ion	Ratio	Lower	Upper
248	100		
250	96.4	76.7	115.1
141	75.3	61.7	92.5

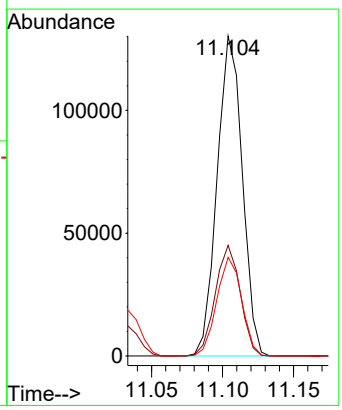


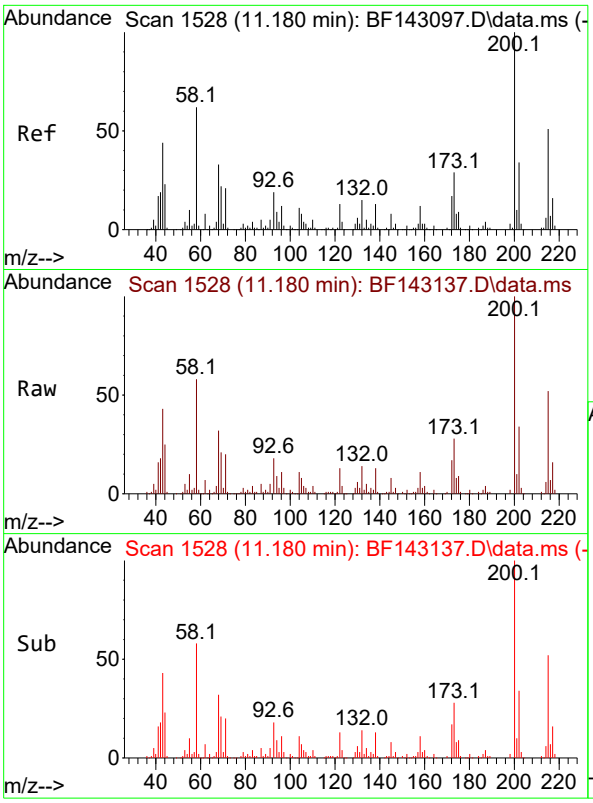


#68
Hexachlorobenzene
Concen: 39.011 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:284 Resp: 160507

Ion	Ratio	Lower	Upper
284	100		
142	34.6	28.9	43.3
249	30.8	24.6	37.0



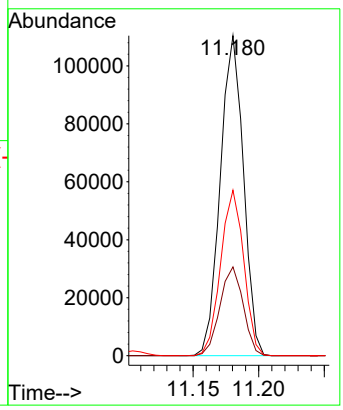


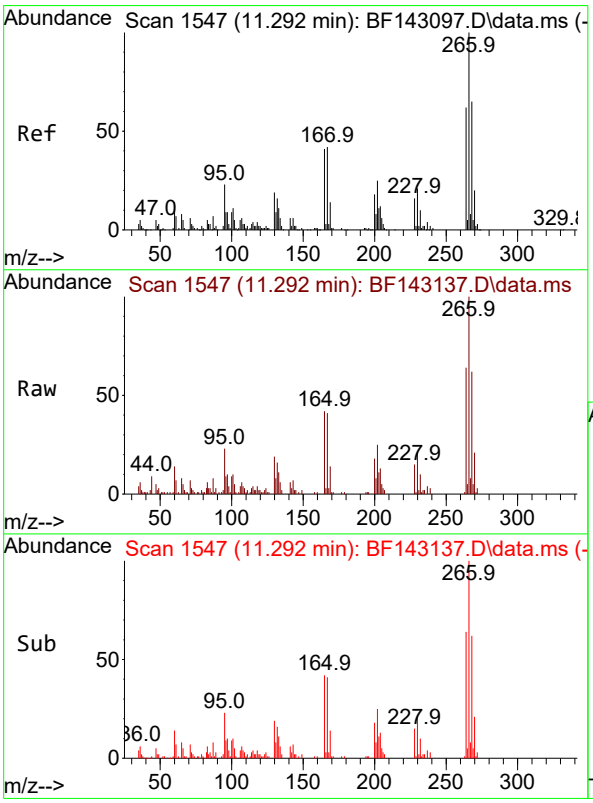
#69
Atrazine
Concen: 44.205 ng
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 135460

Ion	Ratio	Lower	Upper
200	100		
173	27.8	9.1	49.1
215	51.7	31.0	71.0

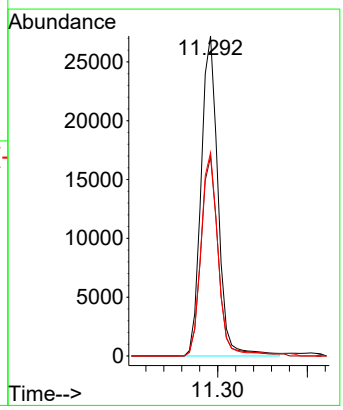


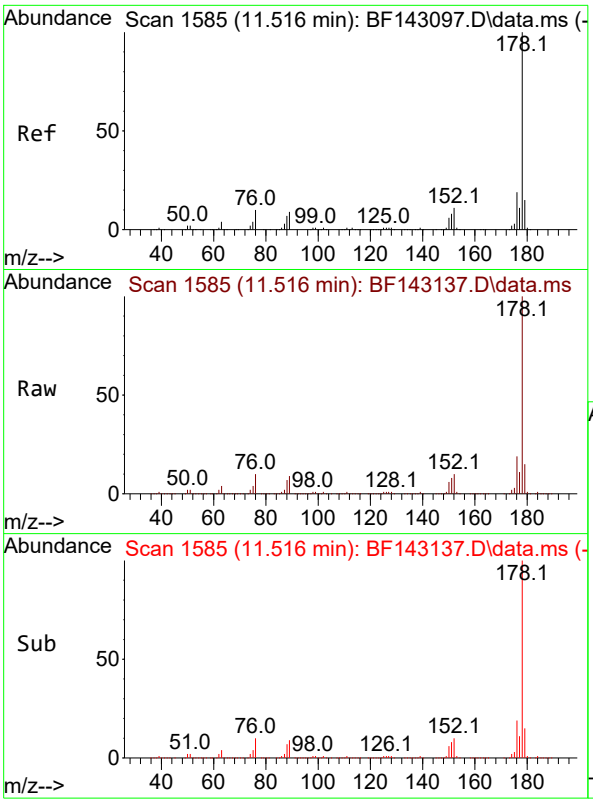


#70
Pentachlorophenol
Concen: 15.788 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:266 Resp: 35640

Ion	Ratio	Lower	Upper
266	100		
268	62.2	51.8	77.6
264	63.6	49.7	74.5



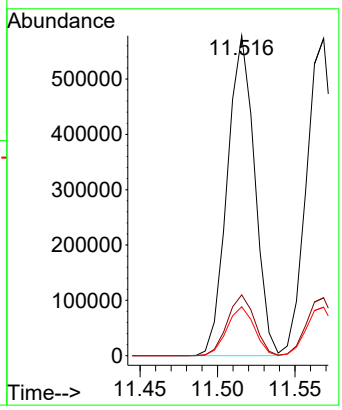


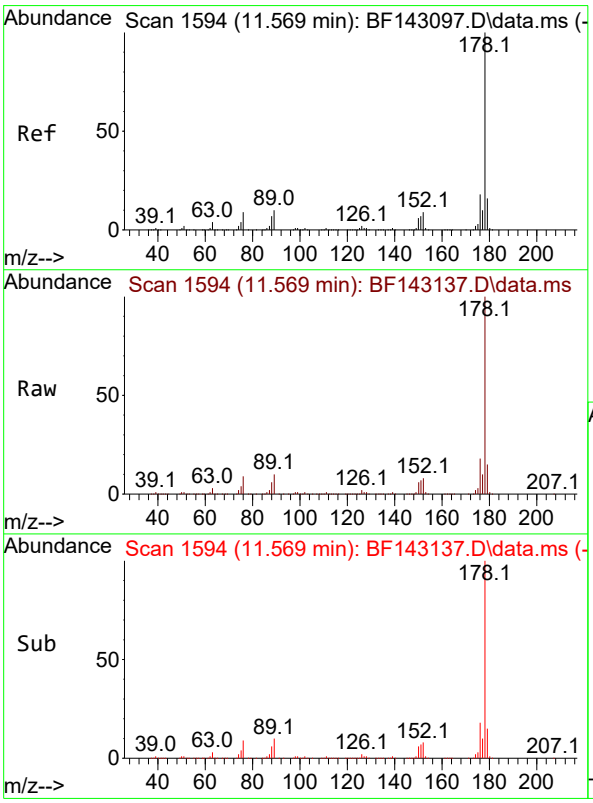
#71
Phenanthrene
Concen: 38.498 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 708454

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.3	12.2	18.4

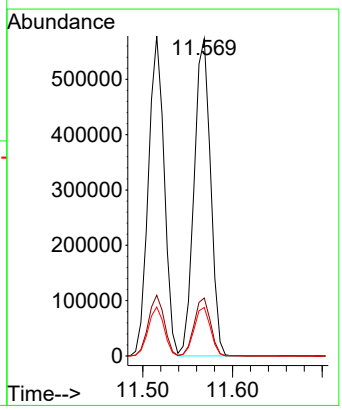


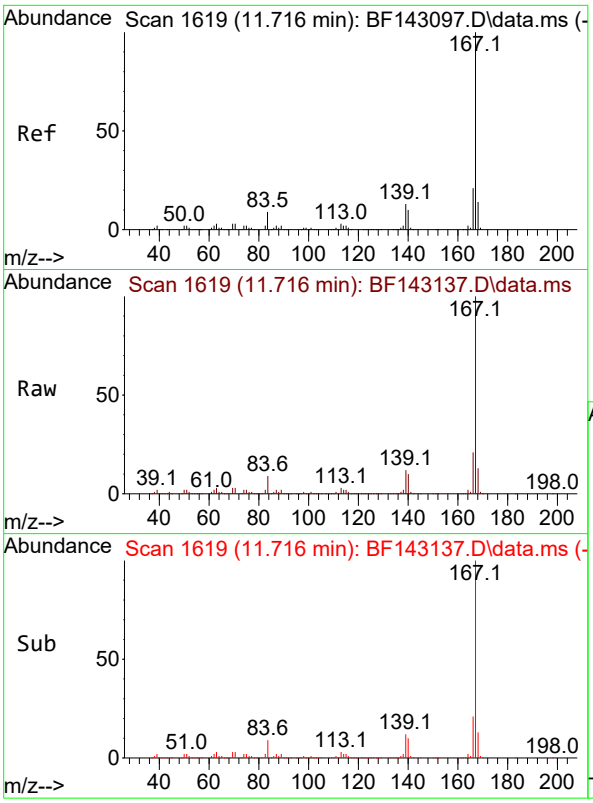


#72
Anthracene
Concen: 39.286 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:178 Resp: 727014

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.3	12.4	18.6



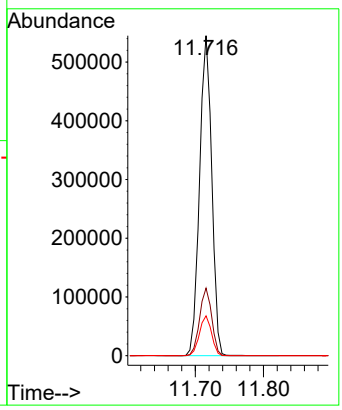


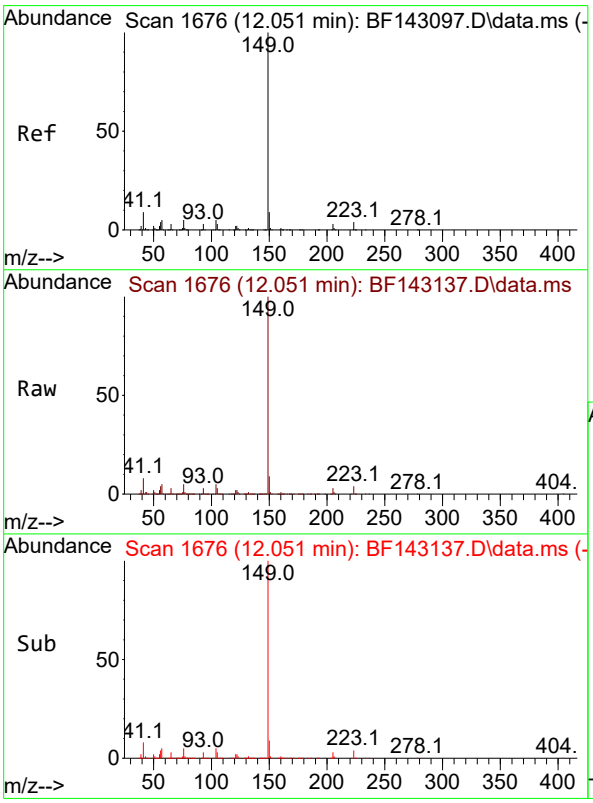
#73
Carbazole
Concen: 40.776 ng
RT: 11.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 676020

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	12.5	10.2	15.4

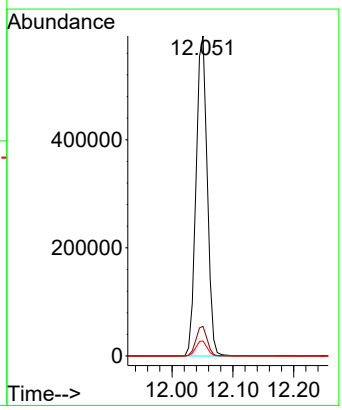


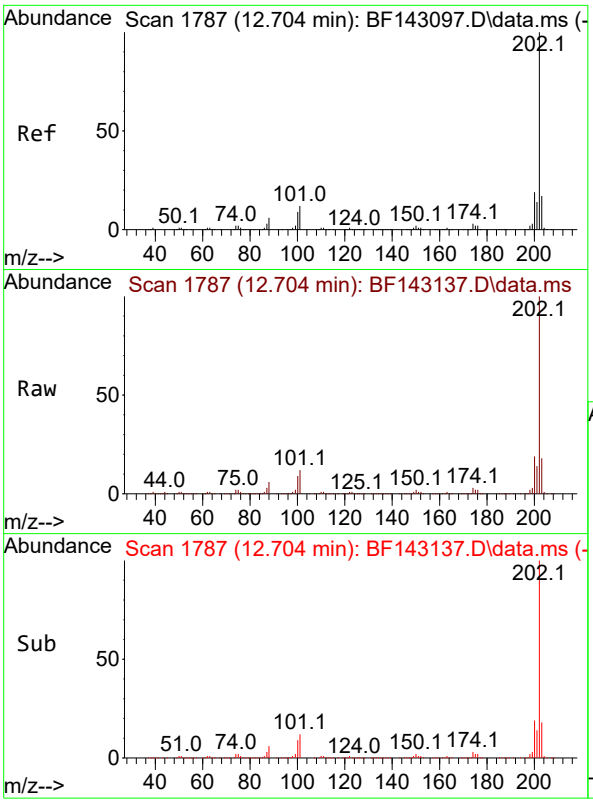


#74
Di-n-butylphthalate
Concen: 49.632 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:149 Resp: 755302

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.8



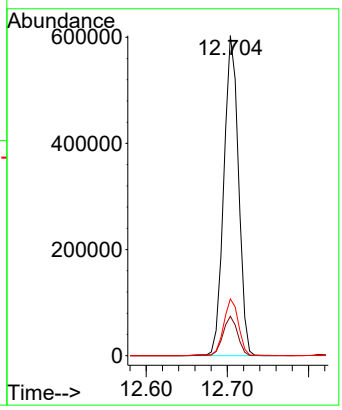


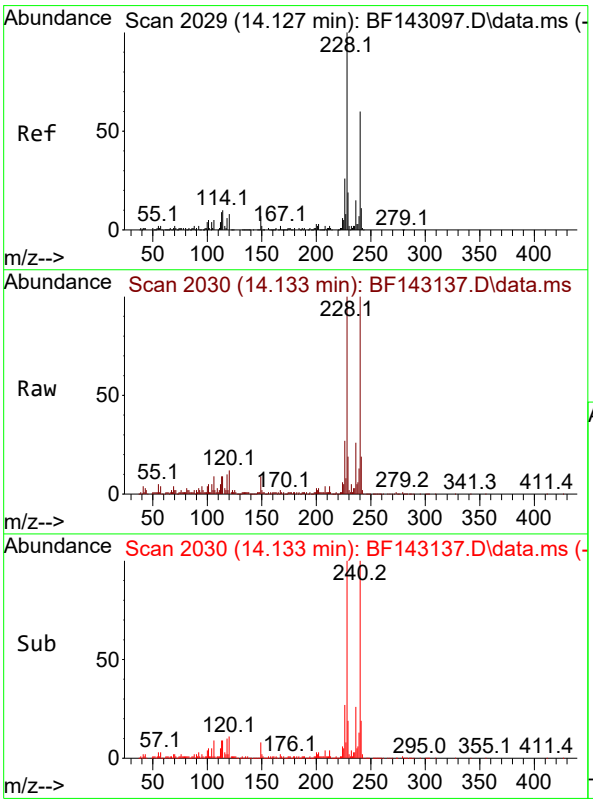
#75
Fluoranthene
Concen: 45.390 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 759494

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.4
203	17.8	0.0	37.4

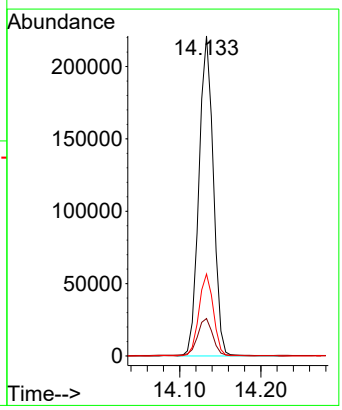


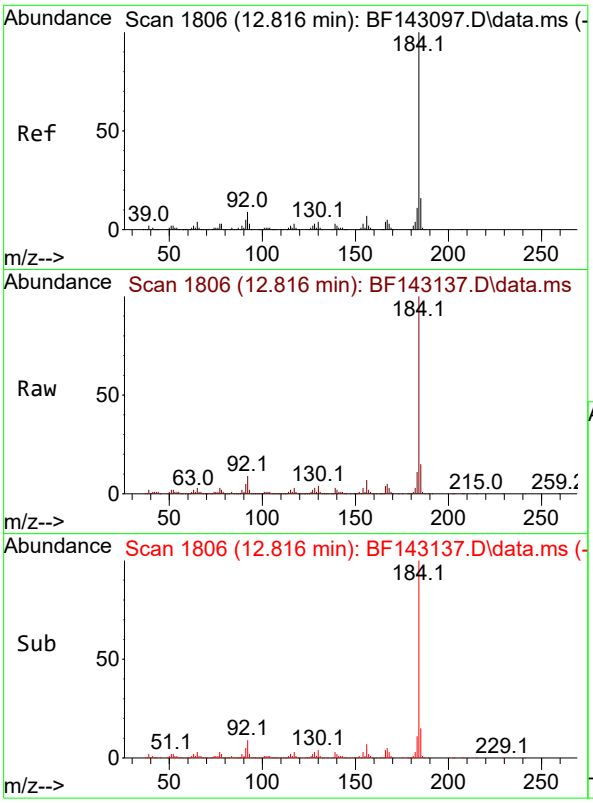


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:240 Resp: 272684

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.6	20.0	30.0



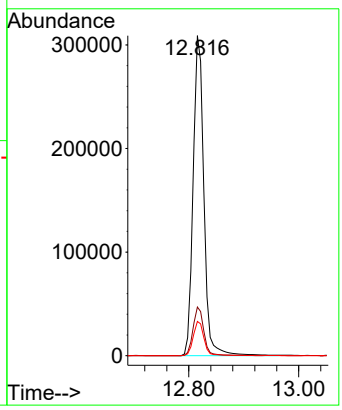


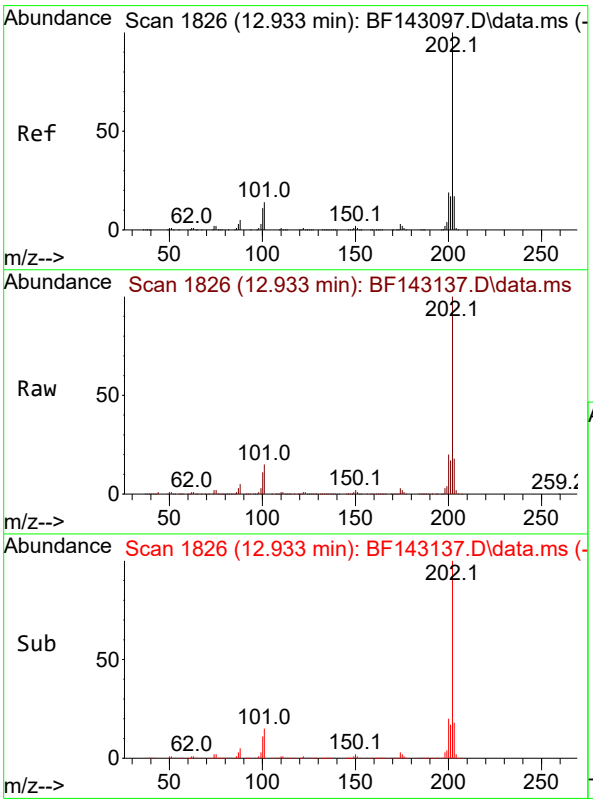
#77
Benzidine
Concen: 45.027 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 418307

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.4	18.6
183	10.7	8.6	12.8

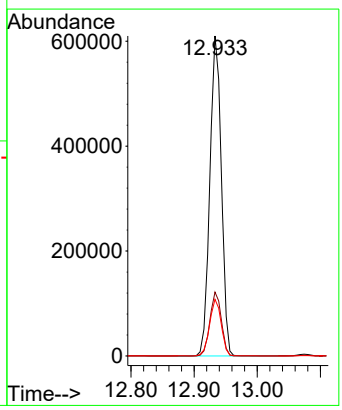


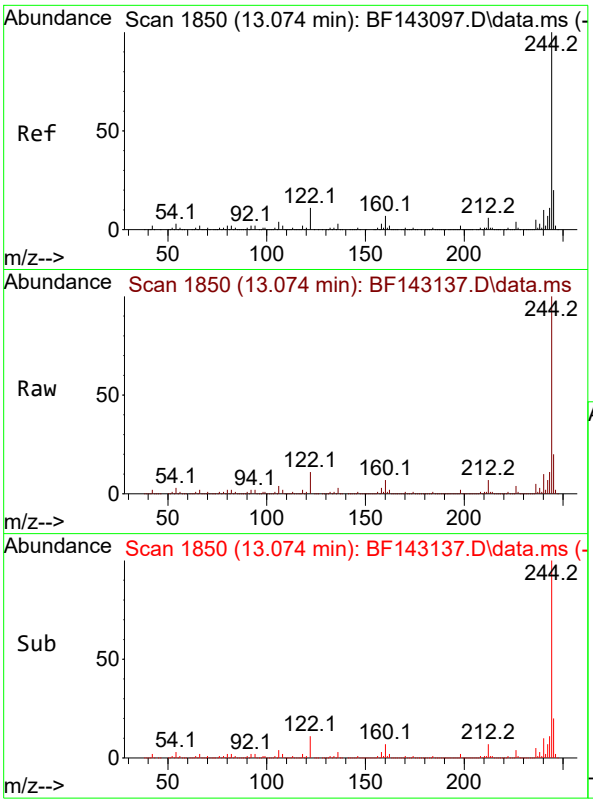


#78
Pyrene
Concen: 30.583 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:202 Resp: 773774

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.5	23.3
203	17.7	14.0	21.0



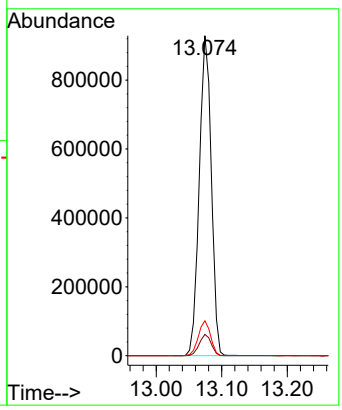


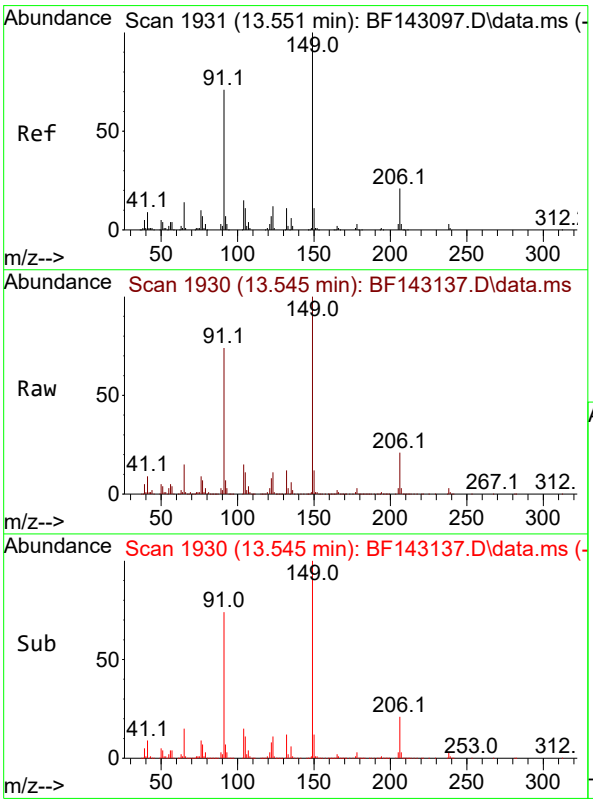
#79
Terphenyl-d14
Concen: 63.807 ng
RT: 13.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1190245

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.9	8.8	13.2

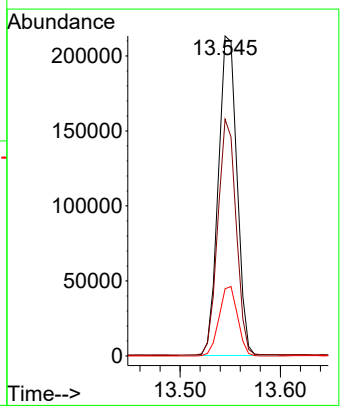


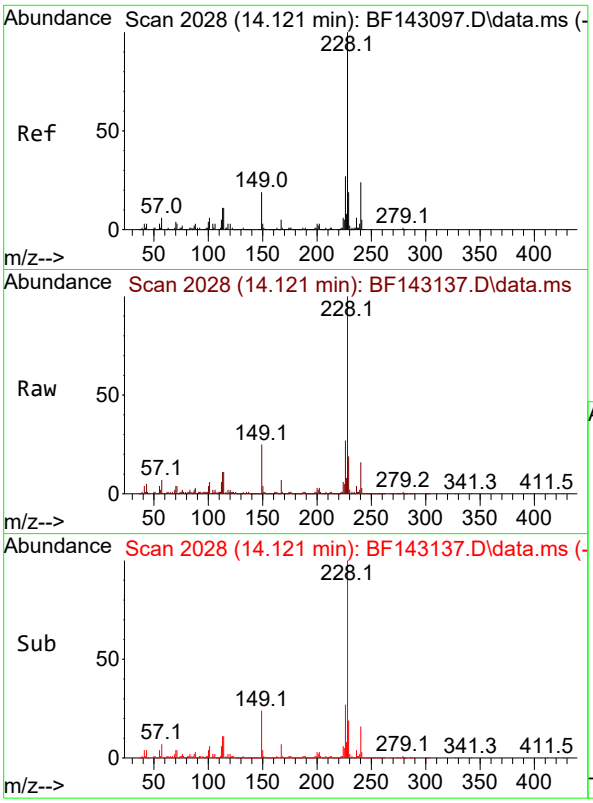


#80
Butylbenzylphthalate
Concen: 53.627 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:149 Resp: 274779

Ion	Ratio	Lower	Upper
149	100		
91	74.0	57.0	85.4
206	21.0	17.2	25.8



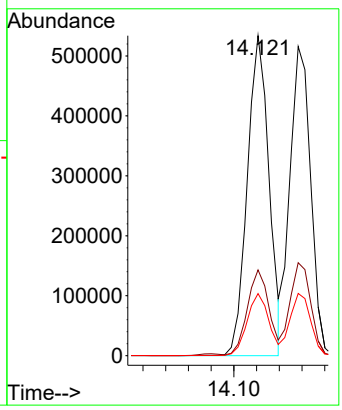


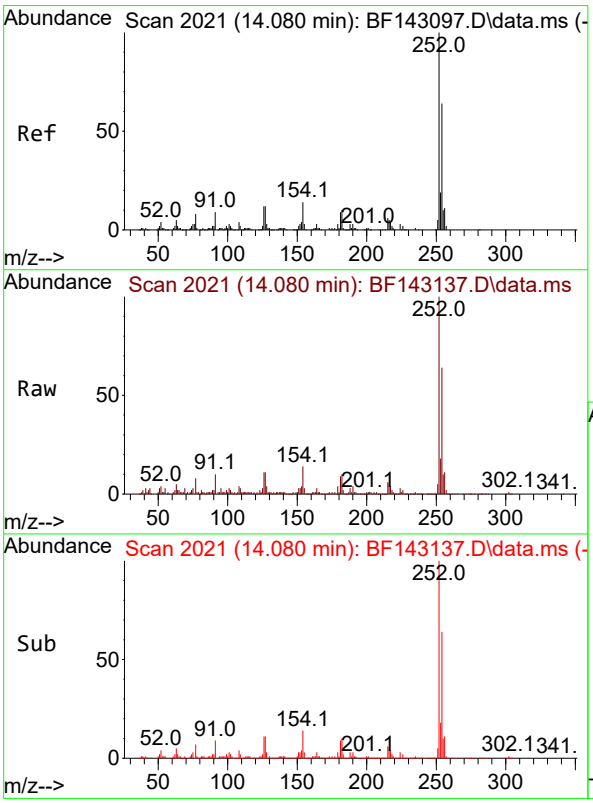
#81
Benzo(a)anthracene
Concen: 39.075 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 710019

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.3	31.9
229	19.4	15.5	23.3

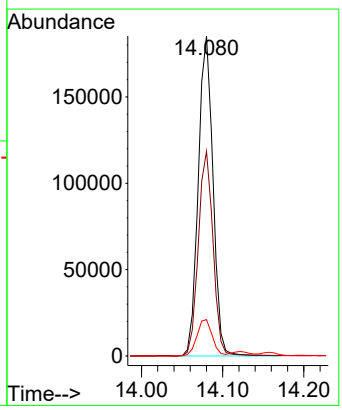


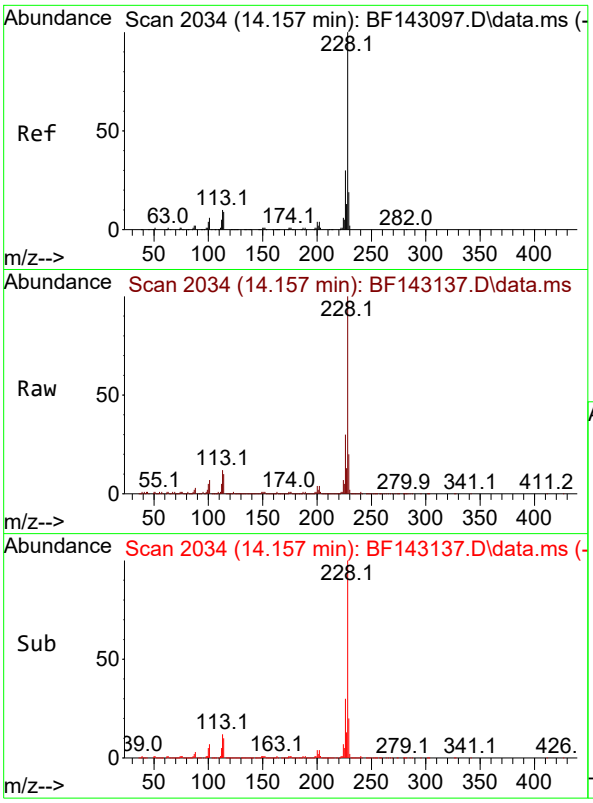


#82
3,3'-Dichlorobenzidine
Concen: 44.295 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:252 Resp: 233732

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.5	77.3
126	11.4	9.4	14.0



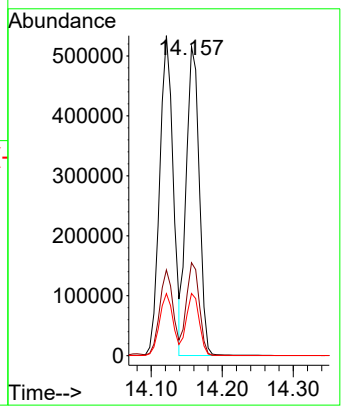


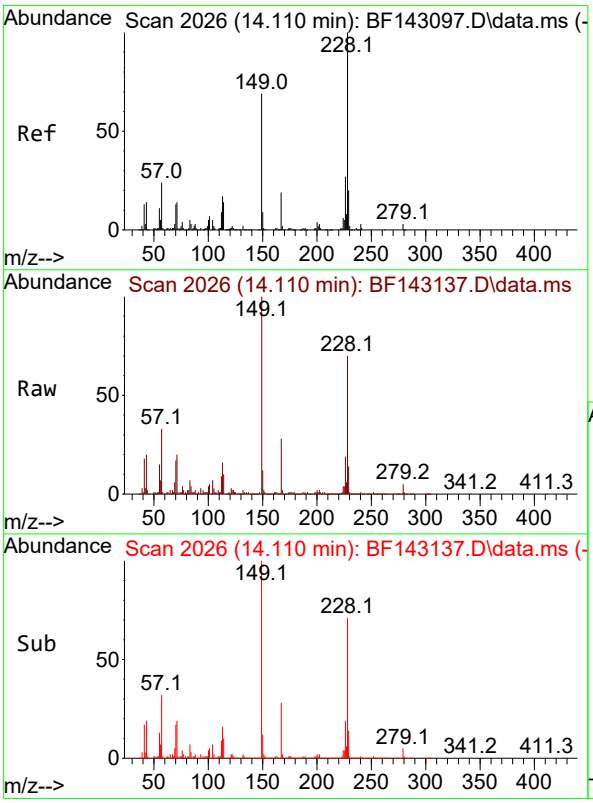
#83
Chrysene
Concen: 39.066 ng
RT: 14.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 653783

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	20.1	15.3	22.9

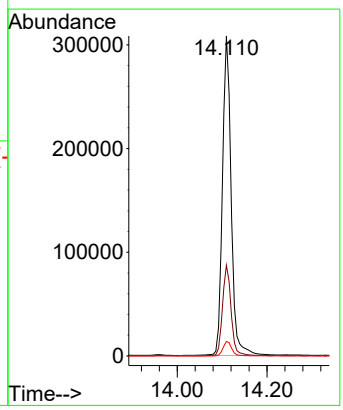


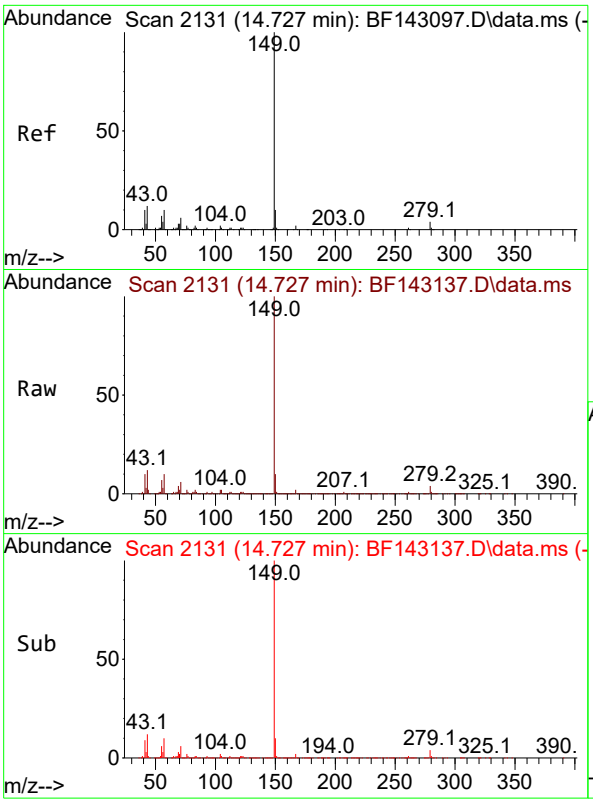


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.915 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:149 Resp: 416791

Ion	Ratio	Lower	Upper
149	100		
167	28.3	21.9	32.9
279	4.5	3.4	5.0



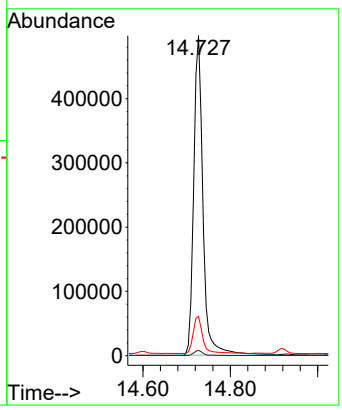


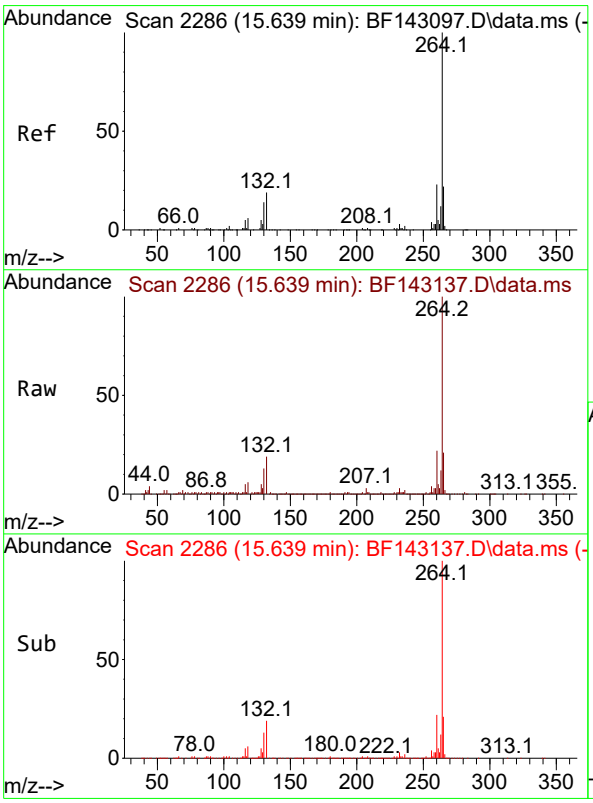
#85
Di-n-octyl phthalate
Concen: 50.428 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 737125

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	12.1	10.6	16.0

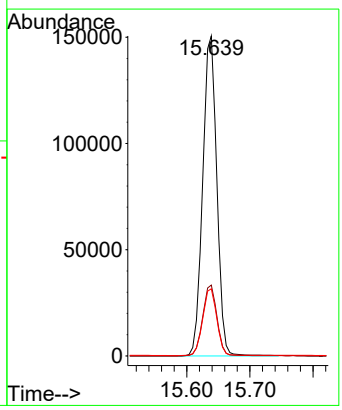


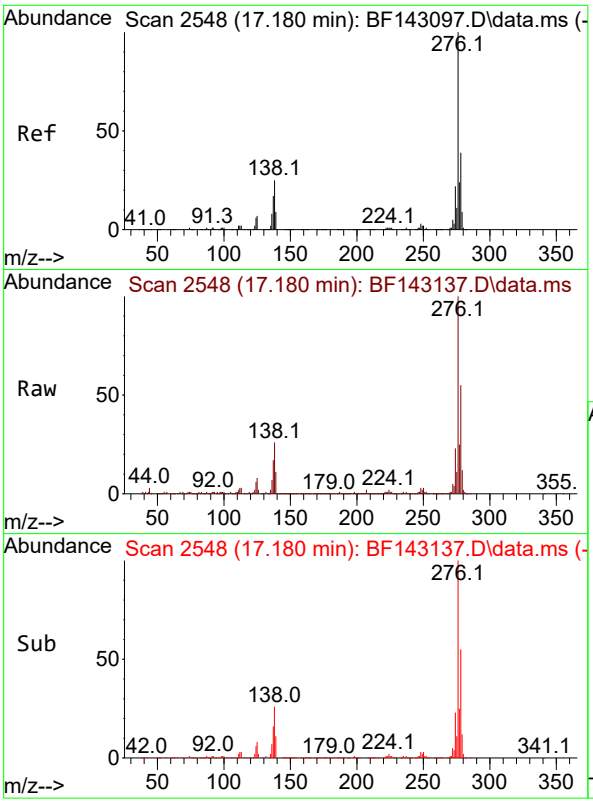


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:264 Resp: 233437

Ion	Ratio	Lower	Upper
264	100		
260	22.2	18.5	27.7
265	21.0	17.5	26.3



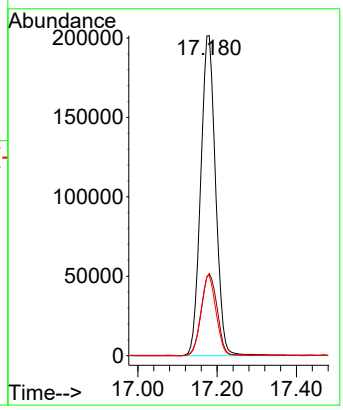


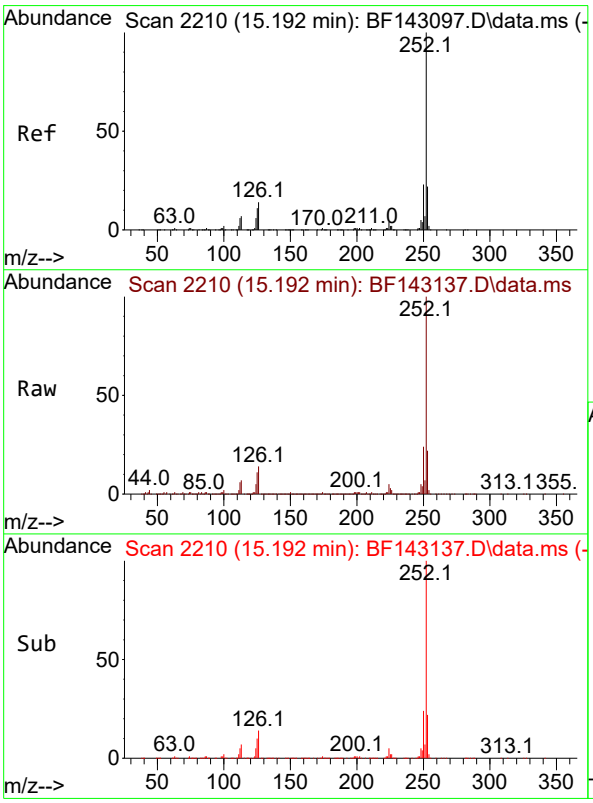
#87
Indeno(1,2,3-cd)pyrene
Concen: 30.287 ng
RT: 17.180 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 525857

Ion	Ratio	Lower	Upper
276	100		
138	27.6	22.6	34.0
277	25.3	20.2	30.2

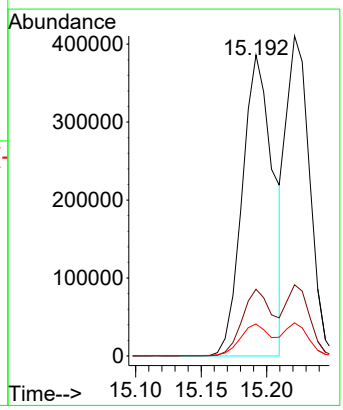


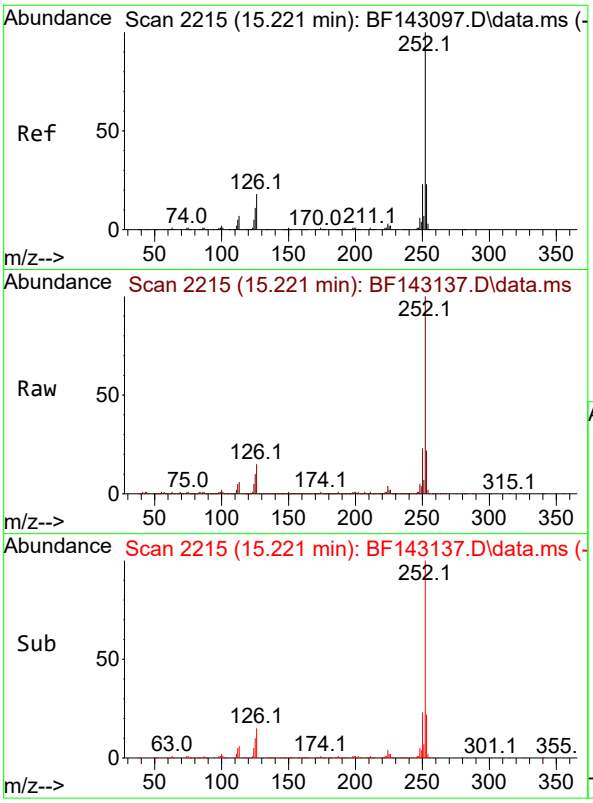


#88
Benzo(b)fluoranthene
Concen: 46.952 ng
RT: 15.192 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:252 Resp: 632221

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.6	8.6	13.0



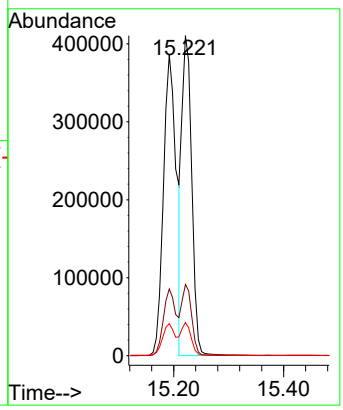


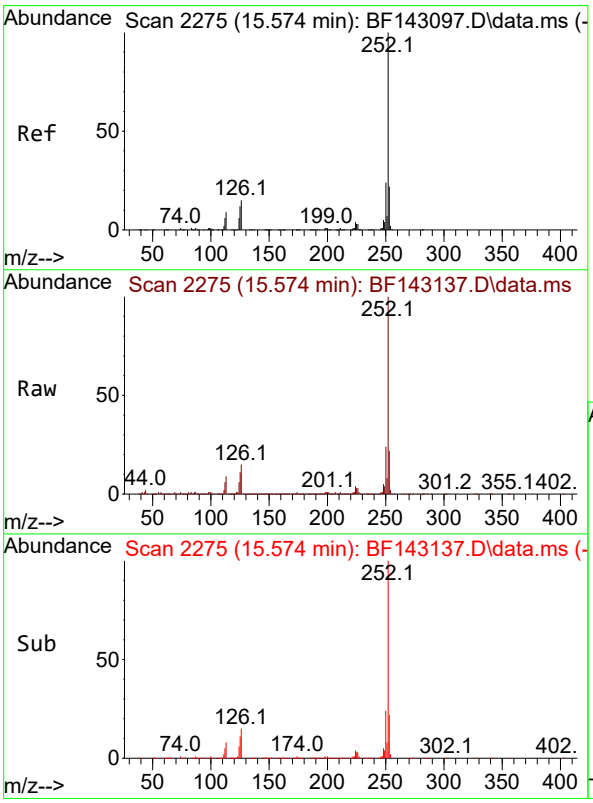
#89
Benzo(k)fluoranthene
Concen: 39.970 ng
RT: 15.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 513447

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	10.3	8.5	12.7

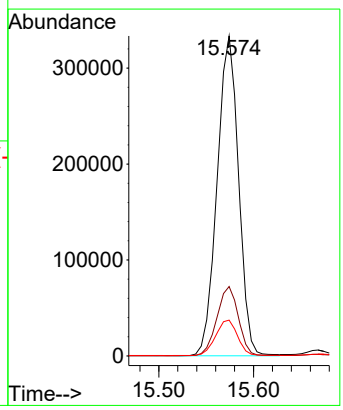


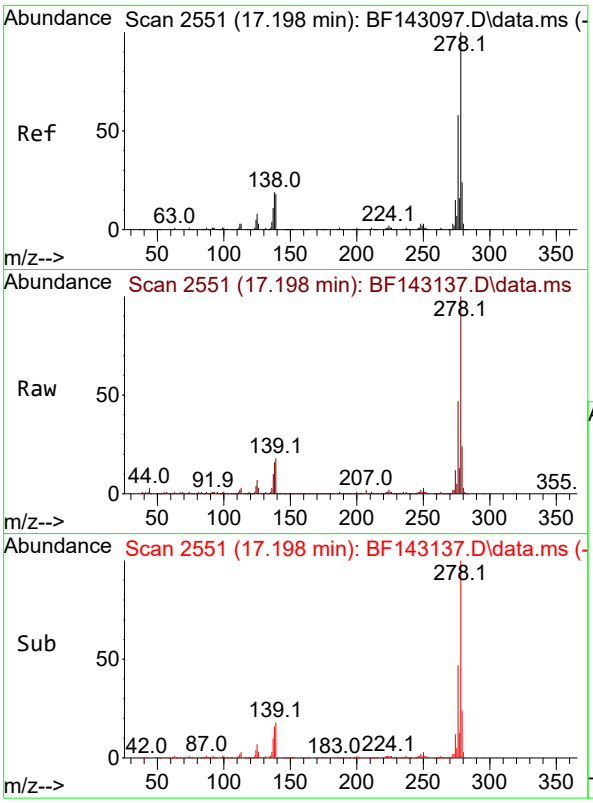


#90
Benzo(a)pyrene
Concen: 41.196 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:252 Resp: 524630

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.2	9.4	14.0



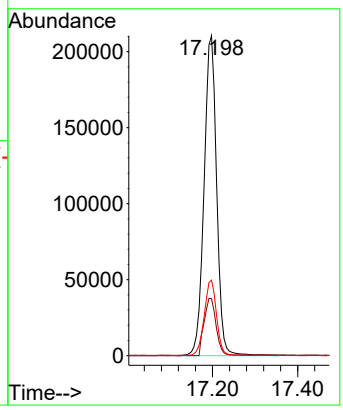


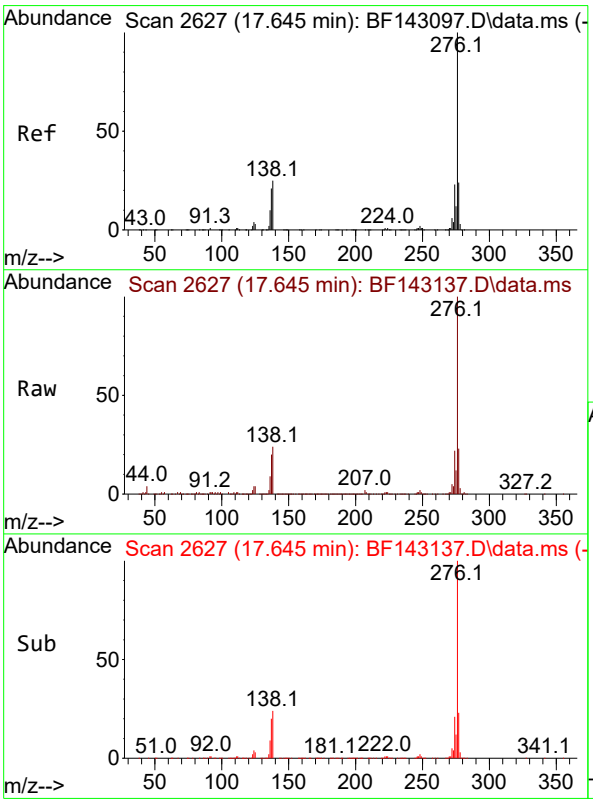
#91
Dibenzo(a,h)anthracene
Concen: 30.386 ng
RT: 17.198 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 431272

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.6	22.0
279	23.6	18.8	28.2

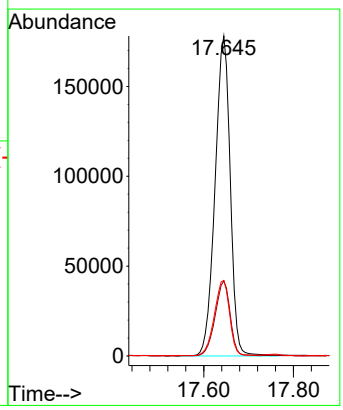




#92
Benzo(g,h,i)perylene
Concen: 28.963 ng
RT: 17.645 min Scan# 2627
Delta R.T. -0.000 min
Lab File: BF143137.D
Acq: 17 Jul 2025 05:30

Tgt Ion:276 Resp: 419104

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	23.6	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	117	0.00
2		1,4-Dioxane	0.630	0.603	4.3	112	0.00
3		Pyridine	1.596	1.563	2.1	115	0.00
4		n-Nitrosodimethylamine	0.827	0.814	1.6	116	0.00
5	S	2-Fluorophenol	1.266	1.239	2.1	115	0.00
6		Aniline	2.241	2.100	6.3	111	0.00
7	S	Phenol-d6	1.591	1.544	3.0	115	0.00
8		2-Chlorophenol	1.272	1.280	-0.6	118	0.00
9		Benzaldehyde	1.212	1.264	-4.3	102	0.00
10	C	Phenol	1.723	1.783	-3.5	122	0.00
11		bis(2-Chloroethyl)ether	1.334	1.296	2.8	116	0.00
12		1,3-Dichlorobenzene	1.437	1.404	2.3	116	0.00
13	C	1,4-Dichlorobenzene	1.446	1.409	2.6	117	0.00
14		1,2-Dichlorobenzene	1.379	1.331	3.5	114	0.00
15		Benzyl Alcohol	1.179	1.196	-1.4	120	0.00
16		2,2'-oxybis(1-Chloropropane	2.458	2.380	3.2	116	0.00
17		2-Methylphenol	1.098	1.061	3.4	114	0.00
18		Hexachloroethane	0.471	0.473	-0.4	117	0.00
19	P	n-Nitroso-di-n-propylamine	0.975	0.951	2.5	115	0.00
20		3+4-Methylphenols	1.346	1.326	1.5	114	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	110	0.00
22		Acetophenone	0.482	0.480	0.4	113	0.00
23	S	Nitrobenzene-d5	0.357	0.412	-15.4	122	0.00
24		Nitrobenzene	0.344	0.387	-12.5	120	0.00
25		Isophorone	0.689	0.704	-2.2	115	0.00
26	C	2-Nitrophenol	0.114	0.144	-26.3#	132	0.00
27		2,4-Dimethylphenol	0.320	0.329	-2.8	114	0.00
28		bis(2-Chloroethoxy)methane	0.418	0.431	-3.1	116	0.00
29	C	2,4-Dichlorophenol	0.262	0.255	2.7	106	0.00
30		1,2,4-Trichlorobenzene	0.297	0.297	0.0	111	0.00
31		Naphthalene	0.993	0.969	2.4	111	0.00
32		Benzoic acid	0.139	0.034	75.5#	26#	0.00
33		4-Chloroaniline	0.399	0.379	5.0	105	0.00
34	C	Hexachlorobutadiene	0.178	0.184	-3.4	114	0.00
35		Caprolactam	0.082	0.076	7.3	101	0.00
36	C	4-Chloro-3-methylphenol	0.291	0.277	4.8	104	0.00
37		2-Methylnaphthalene	0.592	0.562	5.1	107	0.00
38		1-Methylnaphthalene	0.615	0.579	5.9	106	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.583	0.608	-4.3	107	0.00
41	P	Hexachlorocyclopentadiene	0.323	0.187	42.1#	59	0.00
42	S	2,4,6-Tribromophenol	0.178	0.163	8.4	88	0.00
43	C	2,4,6-Trichlorophenol	0.362	0.332	8.3	90	0.00
44		2,4,5-Trichlorophenol	0.380	0.369	2.9	96	0.00
45	S	2-Fluorobiphenyl	1.505	1.520	-1.0	106	0.00
46		1,1'-Biphenyl	1.595	1.620	-1.6	105	0.00
47		2-Chloronaphthalene	1.172	1.158	1.2	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	0.303	0.388	-28.1#	121	0.00
49		Acenaphthylene	1.952	1.904	2.5	99	0.00
50		Dimethylphthalate	1.258	1.343	-6.8	109	0.00
51		2,6-Dinitrotoluene	0.219	0.271	-23.7	118	0.00
52	C	Acenaphthene	1.152	1.066	7.5	96	0.00
53		3-Nitroaniline	0.272	0.308	-13.2	109	0.00
54	P	2,4-Dinitrophenol	0.073	0.006#	91.8#	9#	0.00
55		Dibenzofuran	1.717	1.610	6.2	97	0.00
56	P	4-Nitrophenol	0.216	0.204	5.6	93	0.00
57		2,4-Dinitrotoluene	0.265	0.309	-16.6	107	0.00
58		Fluorene	1.288	1.177	8.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	0.302	0.217	28.1#	71	0.00
60		Diethylphthalate	1.214	1.253	-3.2	104	0.00
61		4-Chlorophenyl-phenylether	0.617	0.593	3.9	98	0.00
62		4-Nitroaniline	0.236	0.261	-10.6	107	0.00
63		Azobenzene	1.343	1.244	7.4	95	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	92	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.012	82.1#	17#	0.00
66	c	n-Nitrosodiphenylamine	0.703	0.714	-1.6	97	0.00
67		4-Bromophenyl-phenylether	0.227	0.233	-2.6	97	0.00
68		Hexachlorobenzene	0.241	0.235	2.5	92	0.00
69		Atrazine	0.180	0.199	-10.6	102	0.00
70	C	Pentachlorophenol	0.132	0.052	60.6#	37#	0.00
71		Phenanthrene	1.079	1.039	3.7	92	0.00
72		Anthracene	1.085	1.066	1.8	93	0.00
73		Carbazole	0.972	0.991	-2.0	98	0.00
74		Di-n-butylphthalate	0.893	1.108	-24.1	111	0.00
75	C	Fluoranthene	0.981	1.114	-13.6	107	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	142	0.00
77		Benzidine	0.681	0.767	-12.6	130	0.00
78		Pyrene	1.856	1.419	23.5	109	0.00
79	S	Terphenyl-d14	1.368	1.091	20.2	115	0.00
80		Butylbenzylphthalate	0.318	0.504	-58.5#	208#	0.00
81		Benzo(a)anthracene	1.333	1.302	2.3	137	0.00
82		3,3'-Dichlorobenzidine	0.387	0.429	-10.9	158#	0.00
83		Chrysene	1.227	1.199	2.3	142	0.00
84		Bis(2-ethylhexyl)phthalate	0.480	0.764	-59.2#	210#	0.00
85	c	Di-n-octyl phthalate	0.927	1.352	-45.8#	208#	0.00
86	I	Perylene-d12	1.000	1.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	1.488	1.126	24.3	76	0.00
88		Benzo(b)fluoranthene	1.154	1.354	-17.3	129	0.00
89		Benzo(k)fluoranthene	1.101	1.100	0.1	99	0.00
90	C	Benzo(a)pyrene	1.091	1.124	-3.0	103	0.00
91		Dibenzo(a,h)anthracene	1.216	0.924	24.0	77	0.00
92		Benzo(g,h,i)perylene	1.240	0.898	27.6#	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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 = 1 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	117	0.00
2		1,4-Dioxane	40.000	38.254	4.4	112	0.00
3		Pyridine	40.000	39.175	2.1	115	0.00
4		n-Nitrosodimethylamine	40.000	39.361	1.6	116	0.00
5	S	2-Fluorophenol	80.000	78.280	2.1	115	0.00
6		Aniline	40.000	37.494	6.3	111	0.00
7	S	Phenol-d6	80.000	77.624	3.0	115	0.00
8		2-Chlorophenol	40.000	40.249	-0.6	118	0.00
9		Benzaldehyde	40.000	41.704	-4.3	102	0.00
10	C	Phenol	40.000	41.398	-3.5	122	0.00
11		bis(2-Chloroethyl)ether	40.000	38.869	2.8	116	0.00
12		1,3-Dichlorobenzene	40.000	39.077	2.3	116	0.00
13	C	1,4-Dichlorobenzene	40.000	38.995	2.5	117	0.00
14		1,2-Dichlorobenzene	40.000	38.613	3.5	114	0.00
15		Benzyl Alcohol	40.000	40.583	-1.5	120	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.723	3.2	116	0.00
17		2-Methylphenol	40.000	38.650	3.4	114	0.00
18		Hexachloroethane	40.000	40.240	-0.6	117	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.003	2.5	115	0.00
20		3+4-Methylphenols	40.000	39.415	1.5	114	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	110	0.00
22		Acetophenone	40.000	39.785	0.5	113	0.00
23	S	Nitrobenzene-d5	80.000	92.552	-15.7	122	0.00
24		Nitrobenzene	40.000	44.942	-12.4	120	0.00
25		Isophorone	40.000	40.892	-2.2	115	0.00
26	C	2-Nitrophenol	40.000	42.372	-5.9	132	0.00
27		2,4-Dimethylphenol	40.000	41.206	-3.0	114	0.00
28		bis(2-Chloroethoxy)methane	40.000	41.266	-3.2	116	0.00
29	C	2,4-Dichlorophenol	40.000	39.049	2.4	106	0.00
30		1,2,4-Trichlorobenzene	40.000	40.052	-0.1	111	0.00
31		Naphthalene	40.000	39.022	2.4	111	0.00
32		Benzoic acid	40.000	13.853	65.4#	26	0.00
33		4-Chloroaniline	40.000	37.914	5.2	105	0.00
34	C	Hexachlorobutadiene	40.000	41.361	-3.4	114	0.00
35		Caprolactam	40.000	37.085	7.3	101	0.00
36	C	4-Chloro-3-methylphenol	40.000	37.997	5.0	104	0.00
37		2-Methylnaphthalene	40.000	37.939	5.2	107	0.00
38		1-Methylnaphthalene	40.000	37.710	5.7	106	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.698	-4.2	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	23.127	42.2#	59	0.00
42	S	2,4,6-Tribromophenol	80.000	73.003	8.7	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	36.620	8.5	90	0.00
44		2,4,5-Trichlorophenol	40.000	38.898	2.8	96	0.00
45	S	2-Fluorobiphenyl	80.000	80.821	-1.0	106	0.00
46		1,1'-Biphenyl	40.000	40.638	-1.6	105	0.00
47		2-Chloronaphthalene	40.000	39.549	1.1	102	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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	44.648	-11.6	121	0.00
49		Acenaphthylene	40.000	39.008	2.5	99	0.00
50		Dimethylphthalate	40.000	42.709	-6.8	109	0.00
51		2,6-Dinitrotoluene	40.000	43.803	-9.5	118	0.00
52	C	Acenaphthene	40.000	37.016	7.5	96	0.00
53		3-Nitroaniline	40.000	45.308	-13.3	109	0.00
54	P	2,4-Dinitrophenol	40.000	8.444	78.9#	9	0.00
55		Dibenzofuran	40.000	37.488	6.3	97	0.00
56	P	4-Nitrophenol	40.000	37.764	5.6	93	0.00
57		2,4-Dinitrotoluene	40.000	40.390	-1.0	107	0.00
58		Fluorene	40.000	36.553	8.6	96	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	28.775	28.1#	71	0.00
60		Diethylphthalate	40.000	41.278	-3.2	104	0.00
61		4-Chlorophenyl-phenylether	40.000	38.408	4.0	98	0.00
62		4-Nitroaniline	40.000	44.086	-10.2	107	0.00
63		Azobenzene	40.000	37.072	7.3	95	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	92	0.00
65		4,6-Dinitro-2-methylphenol	40.000	11.937	70.2#	17	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.633	-1.6	97	0.00
67		4-Bromophenyl-phenylether	40.000	40.927	-2.3	97	0.00
68		Hexachlorobenzene	40.000	39.011	2.5	92	0.00
69		Atrazine	40.000	44.205	-10.5	102	0.00
70	C	Pentachlorophenol	40.000	15.788	60.5#	37	0.00
71		Phenanthrene	40.000	38.498	3.8	92	0.00
72		Anthracene	40.000	39.286	1.8	93	0.00
73		Carbazole	40.000	40.776	-1.9	98	0.00
74		Di-n-butylphthalate	40.000	49.632	-24.1	111	0.00
75	C	Fluoranthene	40.000	45.390	-13.5	107	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	142	0.00
77		Benzidine	40.000	45.027	-12.6	130	0.00
78		Pyrene	40.000	30.583	23.5	109	0.00
79	S	Terphenyl-d14	80.000	63.807	20.2	115	0.00
80		Butylbenzylphthalate	40.000	53.627	-34.1#	208	0.00
81		Benzo(a)anthracene	40.000	39.075	2.3	137	0.00
82		3,3'-Dichlorobenzidine	40.000	44.295	-10.7	158	0.00
83		Chrysene	40.000	39.066	2.3	142	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	53.915	-34.8#	210	0.00
85	c	Di-n-octyl phthalate	40.000	50.428	-26.1#	208	0.00
86	I	Perylene-d12	20.000	20.000	0.0	103	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	30.287	24.3	76	0.00
88		Benzo(b)fluoranthene	40.000	46.952	-17.4	129	0.00
89		Benzo(k)fluoranthene	40.000	39.970	0.1	99	0.00
90	C	Benzo(a)pyrene	40.000	41.196	-3.0	103	0.00
91		Dibenzo(a,h)anthracene	40.000	30.386	24.0	77	0.00
92		Benzo(g,h,i)perylene	40.000	28.963	27.6#	74	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143137.D
Acq On : 17 Jul 2025 05:30
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 17 05:56:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 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 = 2

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: NOBI03

Lab Code: ACE SDG No.: Q2555

Instrument ID: BNA_F Calibration Date/Time: 07/17/2025 19:37

Lab File ID: BF143157.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.230		-2.7	50.0
Phenol-d6	1.591	1.557		-2.1	50.0
Nitrobenzene-d5	0.401	0.417		4.0	50.0
Naphthalene	0.985	0.957		-2.8	50.0
2-Methylnaphthalene	0.599	0.577		-3.7	50.0
2-Fluorobiphenyl	1.462	1.408		-3.7	50.0
Acenaphthylene	1.935	1.894		-2.1	50.0
Acenaphthene	1.144	1.122		-1.9	50.0
Fluorene	1.274	1.212		-4.9	50.0
2,4,6-Tribromophenol	0.207	0.205		-1.0	50.0
Phenanthrene	1.062	1.037		-2.4	50.0
Anthracene	1.083	1.053		-2.8	50.0
Fluoranthene	0.975	0.973		-0.2	50.0
Pyrene	1.707	1.585		-7.1	50.0
Terphenyl-d14	1.344	1.234		-8.2	50.0
Benzo(a)anthracene	1.339	1.298		-3.1	50.0
Chrysene	1.204	1.226		1.8	50.0
Benzo(b)fluoranthene	1.222	1.166		-4.6	50.0
Benzo(k)fluoranthene	1.090	1.124		3.1	50.0
Benzo(a)pyrene	1.126	1.127		0.1	50.0
Indeno(1,2,3-cd)pyrene	1.410	1.402		-0.6	50.0
Dibenzo(a,h)anthracene	1.148	1.145		-0.3	50.0
Benzo(g,h,i)perylene	1.110	1.109		-0.1	50.0

All other compounds must meet a minimum RRF of 0.010.

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	138855	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	536902	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	269673	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	425499	20.000	ng		0.00
76) Chrysene-d12	14.121	240	257557	20.000	ng		0.00
86) Perylene-d12	15.621	264	290483	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	683377	77.881	ng		0.00
7) Phenol-d6	6.581	99	864647	78.288	ng		0.00
23) Nitrobenzene-d5	7.522	82	895287	83.120	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	221500	79.508	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1518879	77.029	ng		0.00
79) Terphenyl-d14	13.069	244	1271733	73.478	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.805	88	166244	40.040	ng		99
3) Pyridine	3.575	79	418492	38.834	ng		99
4) n-Nitrosodimethylamine	3.516	42	221018	39.723	ng		99
6) Aniline	6.622	93	607823	39.488	ng		100
8) 2-Chlorophenol	6.745	128	365543	39.743	ng		99
9) Benzaldehyde	6.510	77	363665	43.912	ng		97
10) Phenol	6.593	94	474356m	39.425	ng		
11) bis(2-Chloroethyl)ether	6.693	93	365030	39.624	ng		100
12) 1,3-Dichlorobenzene	6.904	146	390492	39.082	ng		99
13) 1,4-Dichlorobenzene	6.981	146	392653	39.023	ng		99
14) 1,2-Dichlorobenzene	7.134	146	377188	39.413	ng		99
15) Benzyl Alcohol	7.098	79	334056	39.613	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	678356	39.695	ng		99
17) 2-Methylphenol	7.204	107	303796	39.283	ng		99
18) Hexachloroethane	7.481	117	141080	40.502	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	273232	38.561	ng		98
20) 3+4-Methylphenols	7.357	107	381861	40.698	ng		95
22) Acetophenone	7.369	105	487279	38.334	ng	#	97
24) Nitrobenzene	7.540	77	399661	39.799	ng		99
25) Isophorone	7.781	82	735124	38.662	ng		99
26) 2-Nitrophenol	7.857	139	187422	43.005	ng		99
27) 2,4-Dimethylphenol	7.887	122	345701	38.914	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	442167	38.785	ng		99
29) 2,4-Dichlorophenol	8.092	162	293442	39.168	ng		98
30) 1,2,4-Trichlorobenzene	8.187	180	314604	38.870	ng		100
31) Naphthalene	8.269	128	1028140	38.883	ng		100
32) Benzoic acid	7.981	122	185065	38.171	ng		99
33) 4-Chloroaniline	8.304	127	412017	38.161	ng		99
34) Hexachlorobutadiene	8.387	225	195484	39.537	ng		99
35) Caprolactam	8.669	113	90080	39.790	ng		98
36) 4-Chloro-3-methylphenol	8.781	107	314299	38.598	ng		97
37) 2-Methylnaphthalene	8.957	142	619310	38.490	ng		100
38) 1-Methylnaphthalene	9.057	142	644847	38.919	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	304551	39.116	ng		100
41) Hexachlorocyclopentadiene	9.116	237	206865	40.834	ng		99
43) 2,4,6-Trichlorophenol	9.228	196	209902	38.954	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	219957	40.808	ng		98
46) 1,1'-Biphenyl	9.422	154	831115	39.502	ng		99
47) 2-Chloronaphthalene	9.445	162	606685	38.970	ng		100
48) 2-Nitroaniline	9.534	65	205784	42.151	ng		99
49) Acenaphthylene	9.863	152	1021363	39.148	ng		100
50) Dimethylphthalate	9.716	163	691652	39.347	ng		100
51) 2,6-Dinitrotoluene	9.775	165	150428	42.067	ng		97
52) Acenaphthene	10.033	154	605034	39.237	ng		98
53) 3-Nitroaniline	9.939	138	167420	40.028	ng		100
54) 2,4-Dinitrophenol	10.039	184	58866	39.960	ng	#	1
55) Dibenzofuran	10.204	168	889222	38.841	ng		99
56) 4-Nitrophenol	10.086	139	125059	40.040	ng		99
57) 2,4-Dinitrotoluene	10.175	165	188181	41.945	ng		97
58) Fluorene	10.545	166	653713	38.045	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	178038	39.875	ng		99
60) Diethylphthalate	10.416	149	679129	39.088	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	333465	38.975	ng		99
62) 4-Nitroaniline	10.551	138	141515	39.478	ng		100
63) Azobenzene	10.698	77	705944	38.986	ng		100
65) 4,6-Dinitro-2-methylph...	10.581	198	87846	40.354	ng		96
66) n-Nitrosodiphenylamine	10.651	169	592682	39.557	ng		99
67) 4-Bromophenyl-phenylether	11.028	248	198111	39.069	ng		99
68) Hexachlorobenzene	11.098	284	209203	39.472	ng		99
69) Atrazine	11.175	200	166380	40.279	ng		99
70) Pentachlorophenol	11.286	266	128754	41.309	ng		98
71) Phenanthrene	11.510	178	882612	39.066	ng		99
72) Anthracene	11.563	178	896290	38.898	ng		100
73) Carbazole	11.710	167	787128	39.121	ng		100
74) Di-n-butylphthalate	12.039	149	922904	40.539	ng		100
75) Fluoranthene	12.698	202	827620	39.910	ng		100
77) Benzidine	12.810	184	378753	38.169	ng		100
78) Pyrene	12.927	202	816607	37.150	ng		100
80) Butylbenzylphthalate	13.539	149	274194	40.736	ng		99
81) Benzo(a)anthracene	14.110	228	668691	38.779	ng		100
82) 3,3'-Dichlorobenzidine	14.069	252	227633	39.609	ng		100
83) Chrysene	14.145	228	631314	40.721	ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	422788	41.499	ng		100
85) Di-n-octyl phthalate	14.716	149	729985	39.529	ng		100
87) Indeno(1,2,3-cd)pyrene	17.157	276	814736	39.776	ng		100
88) Benzo(b)fluoranthene	15.180	252	677603	38.184	ng		100
89) Benzo(k)fluoranthene	15.210	252	653171	41.247	ng		100
90) Benzo(a)pyrene	15.557	252	654692	40.042	ng		99
91) Dibenzo(a,h)anthracene	17.180	278	665474	39.916	ng		99
92) Benzo(g,h,i)perylene	17.621	276	644277	39.950	ng		99

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

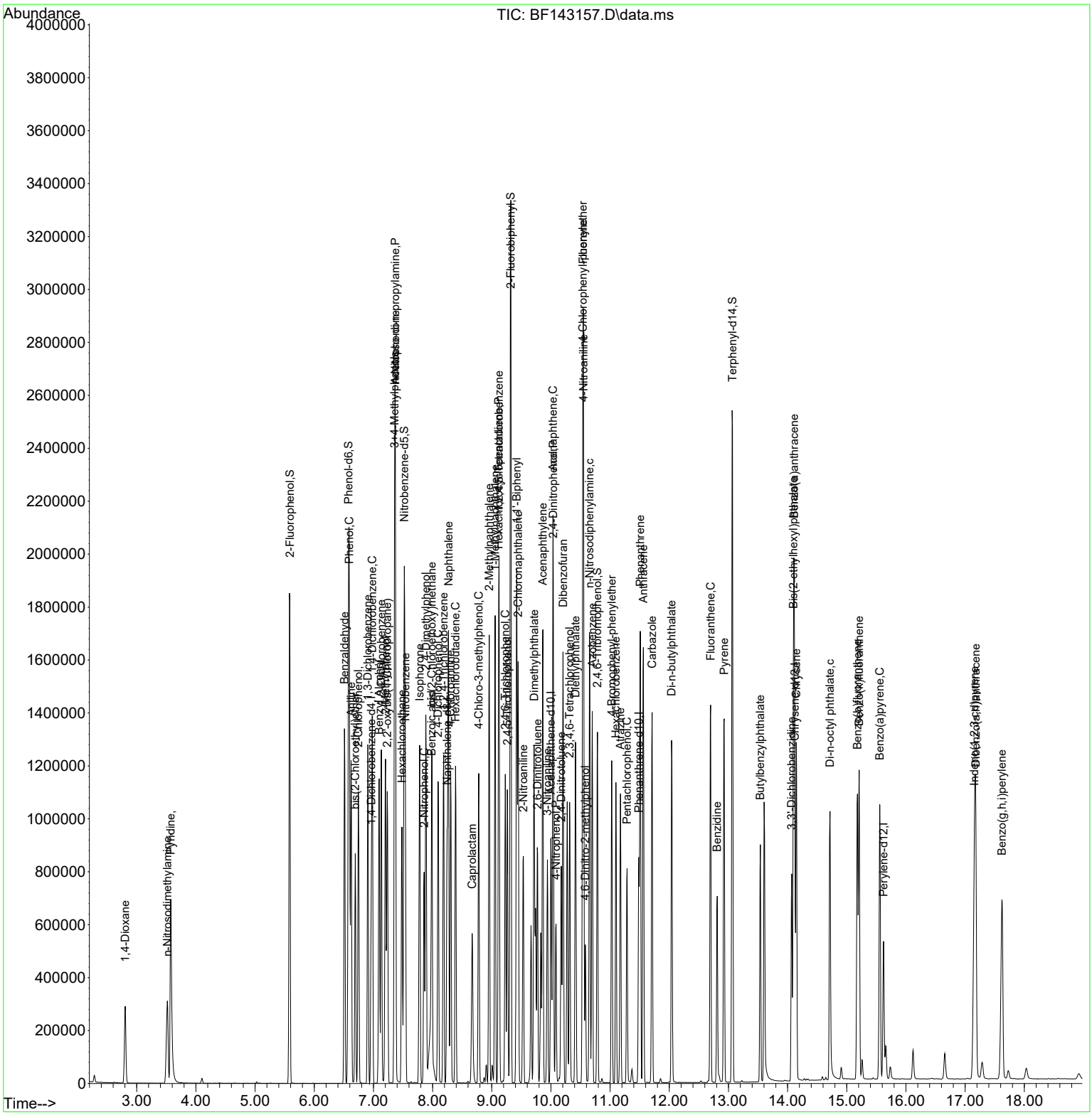
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

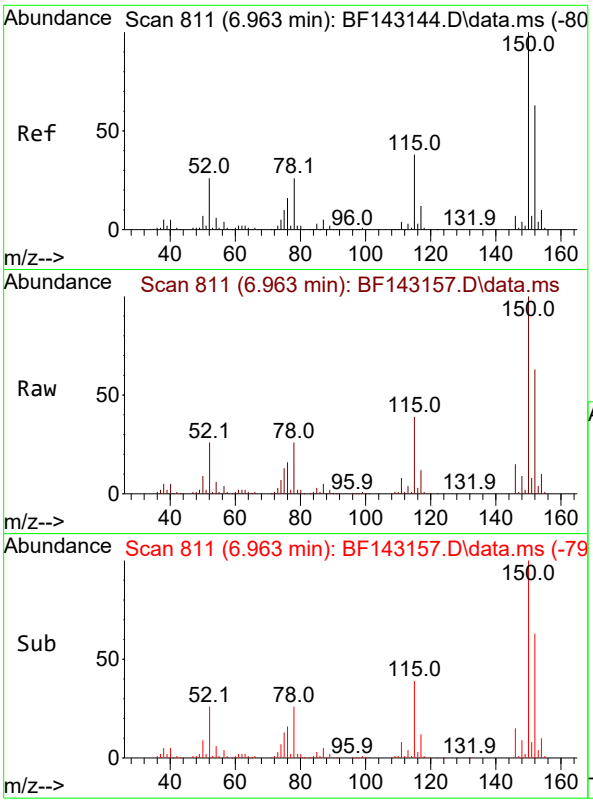
Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

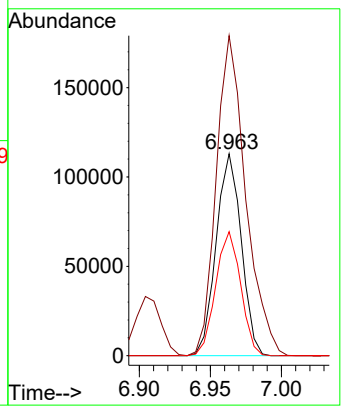




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:152 Resp: 13885

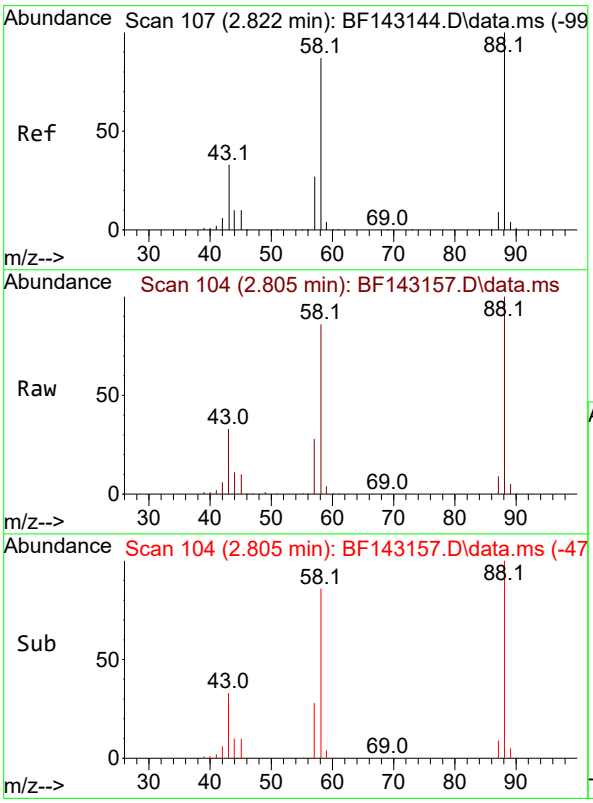
Ion	Ratio	Lower	Upper
152	100		
150	158.5	128.2	192.4
115	61.4	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

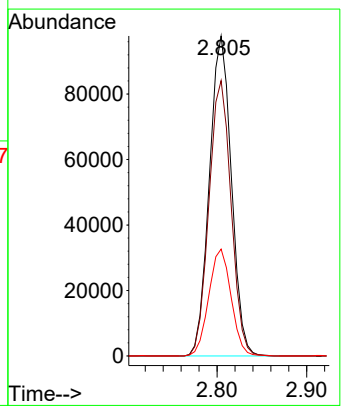
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

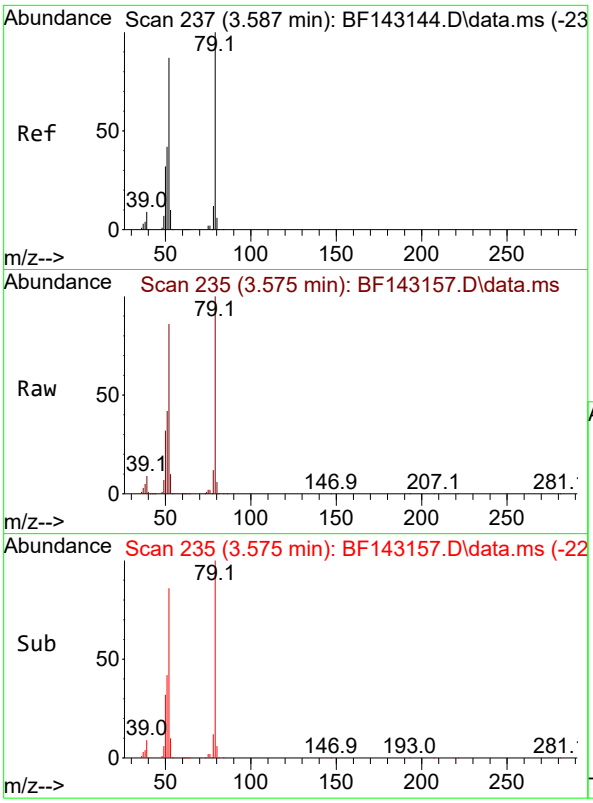


#2
1,4-Dioxane
Concen: 40.040 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 88 Resp: 166244

Ion	Ratio	Lower	Upper
88	100		
58	86.5	70.2	105.2
43	34.0	27.1	40.7

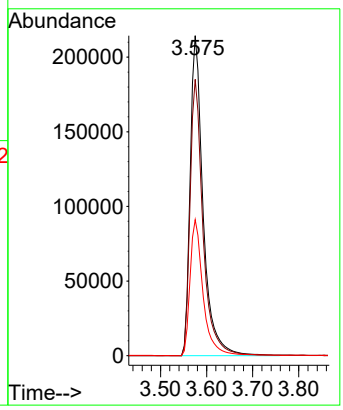




#3
Pyridine
Concen: 38.834 ng
RT: 3.575 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 79 Resp: 41849

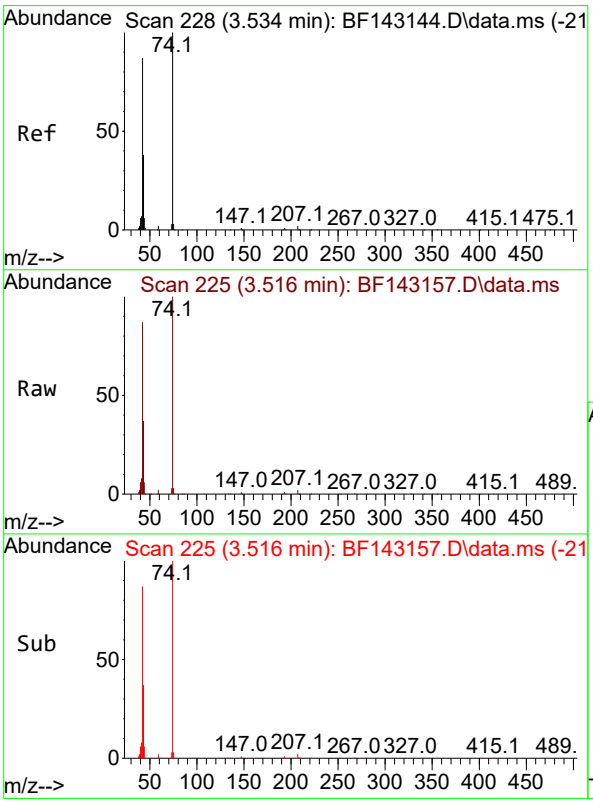
Ion	Ratio	Lower	Upper
79	100		
52	86.4	69.4	104.2
51	42.5	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

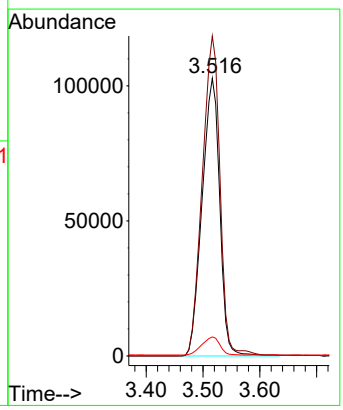
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

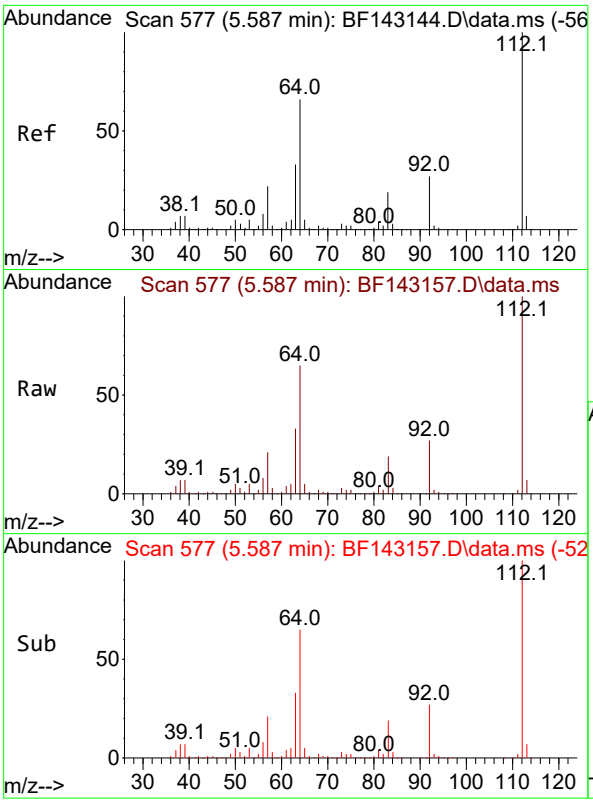


#4
n-Nitrosodimethylamine
Concen: 39.723 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.018 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 42 Resp: 221018

Ion	Ratio	Lower	Upper
42	100		
74	115.2	91.7	137.5
44	6.9	5.6	8.4





#5
2-Fluorophenol
Concen: 77.881 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

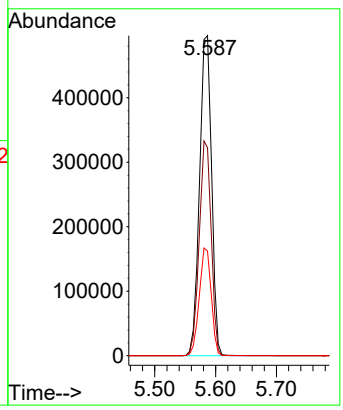
Tgt Ion:112 Resp: 68337

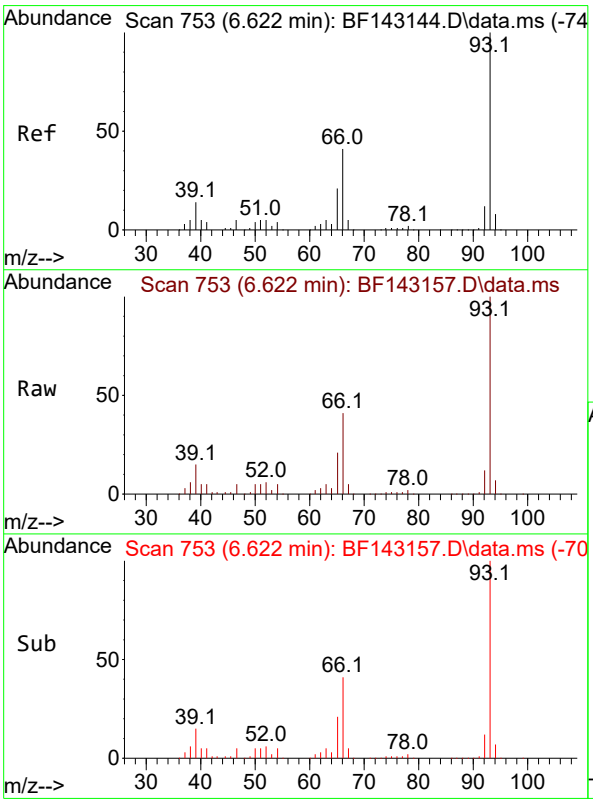
Ion	Ratio	Lower	Upper
112	100		
64	65.0	53.1	79.7
63	32.7	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

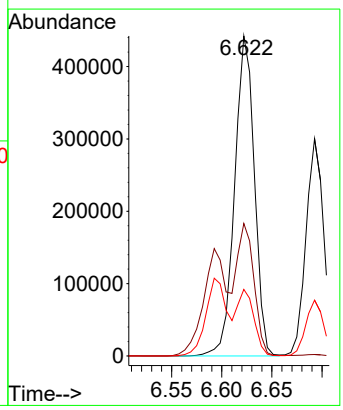


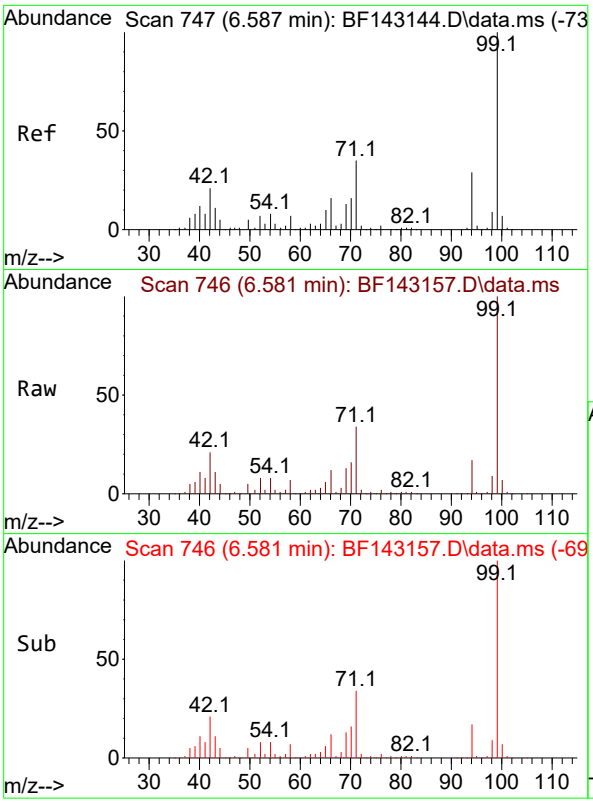


#6
Aniline
Concen: 39.488 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 93 Resp: 607823

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.2	49.8
65	20.8	16.9	25.3

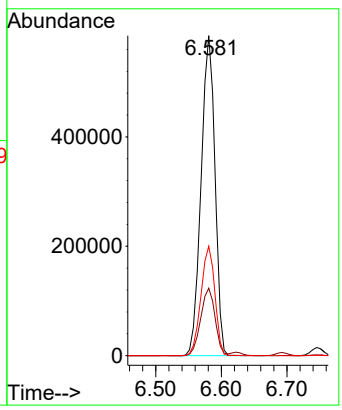




#7
Phenol-d6
Concen: 78.288 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 99 Resp: 86464

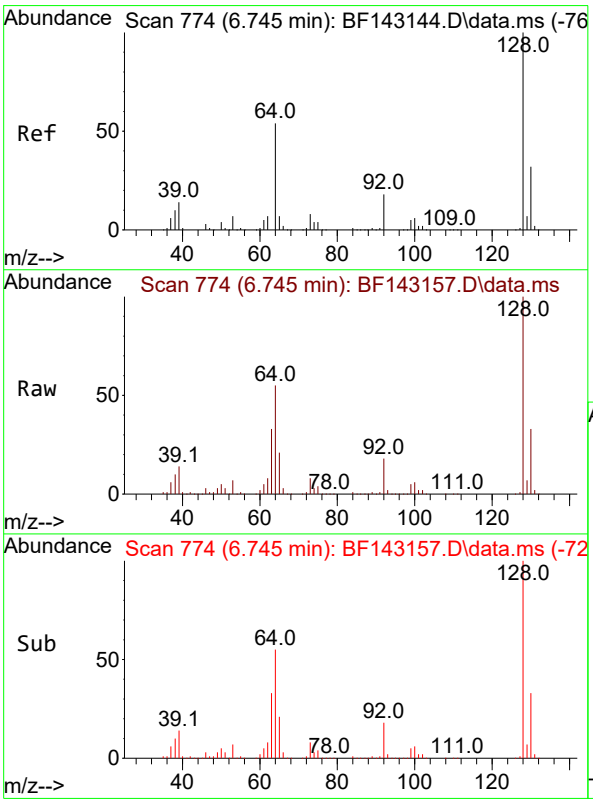
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.2	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

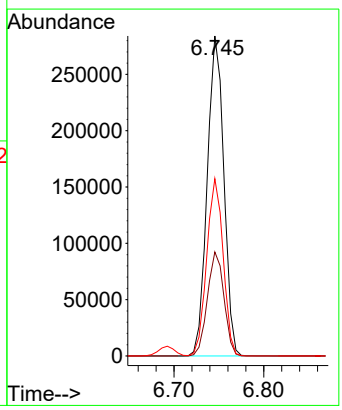
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

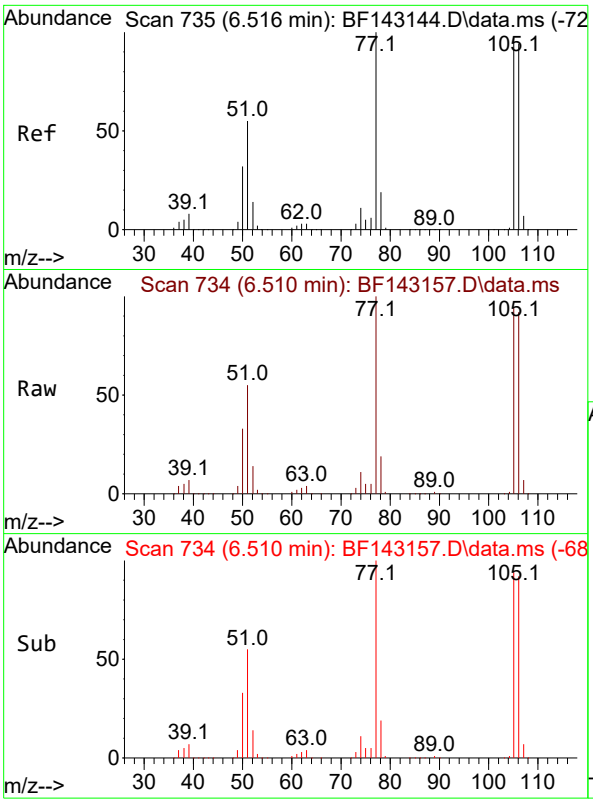


#8
2-Chlorophenol
Concen: 39.743 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:128 Resp: 365543

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	55.4	35.9	75.9

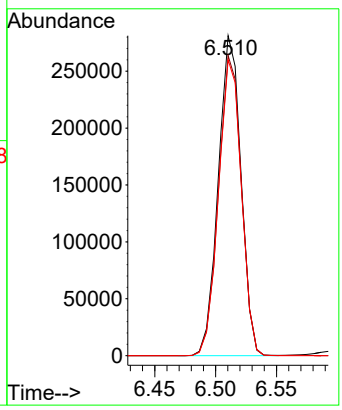




#9
Benzaldehyde
Concen: 43.912 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 77 Resp: 36366

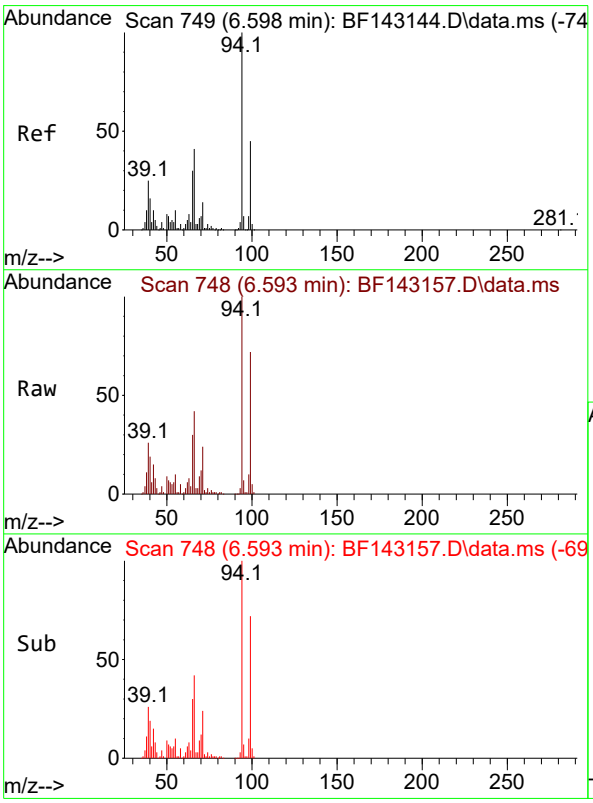
Ion	Ratio	Lower	Upper
77	100		
105	93.8	76.8	116.8
106	92.5	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

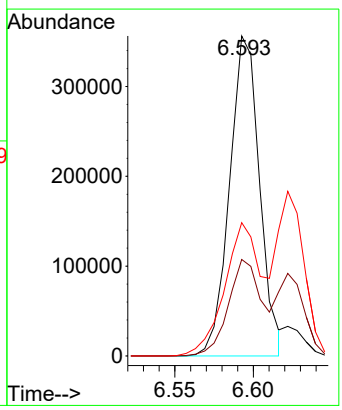
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

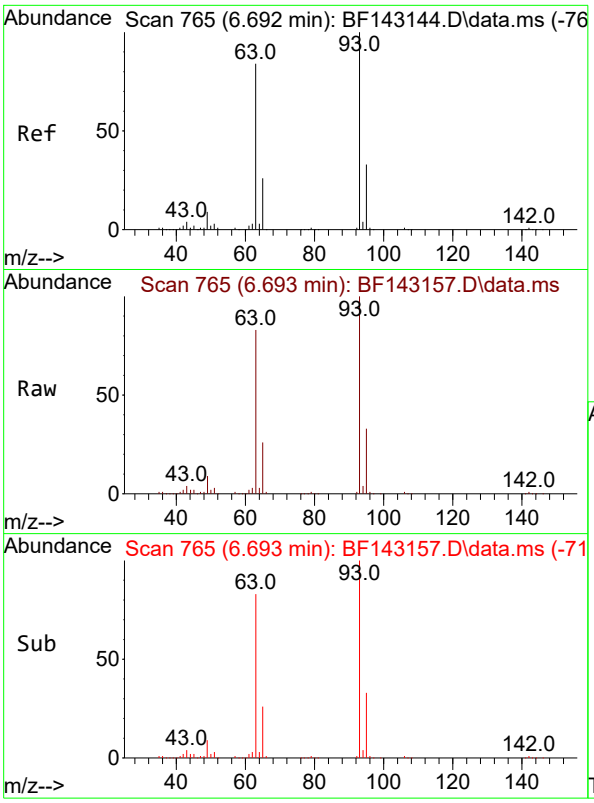


#10
Phenol
Concen: 39.425 ng m
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 94 Resp: 474356

Ion	Ratio	Lower	Upper
94	100		
65	30.2	10.0	50.0
66	41.6	20.8	60.8





#11
bis(2-Chloroethyl)ether
Concen: 39.624 ng
RT: 6.693 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

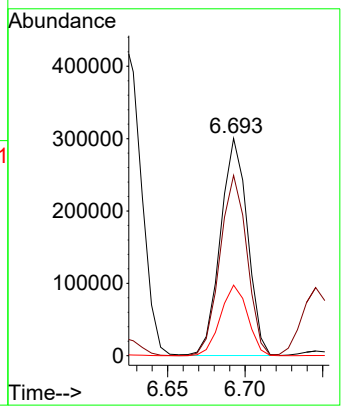
Tgt Ion: 93 Resp: 36503

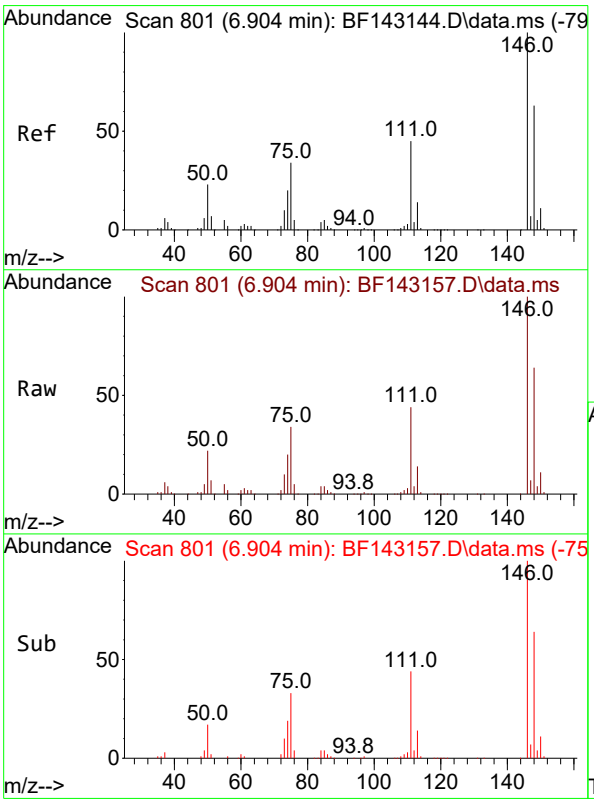
Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.4	103.4
95	32.5	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

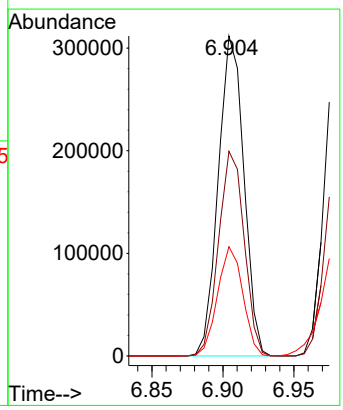


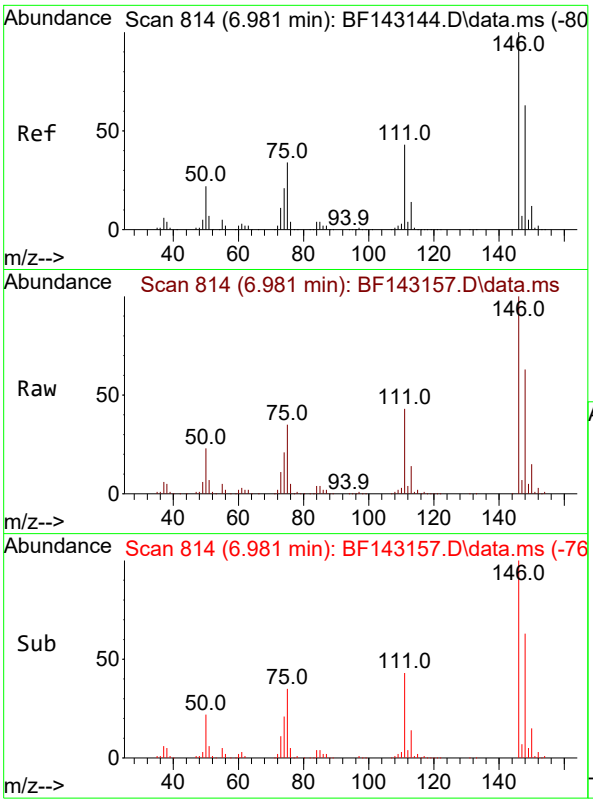


#12
1,3-Dichlorobenzene
Concen: 39.082 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:146 Resp: 390492

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
75	34.2	27.4	41.2

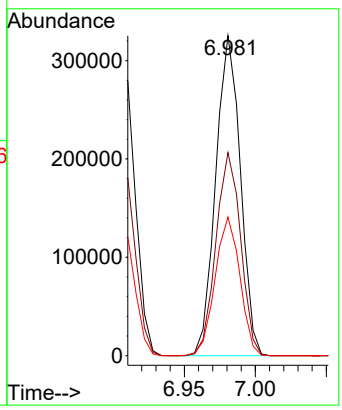




#13
1,4-Dichlorobenzene
Concen: 39.023 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:146 Resp: 39265

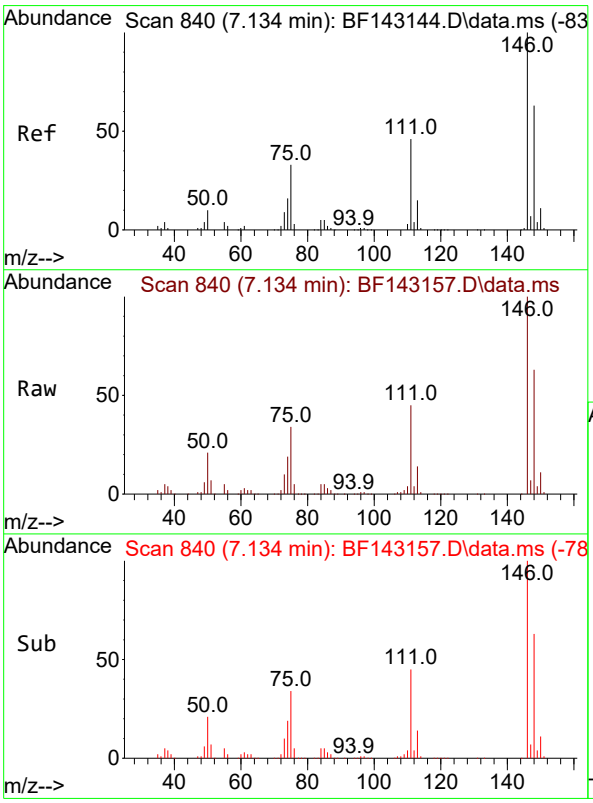
Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	43.3	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

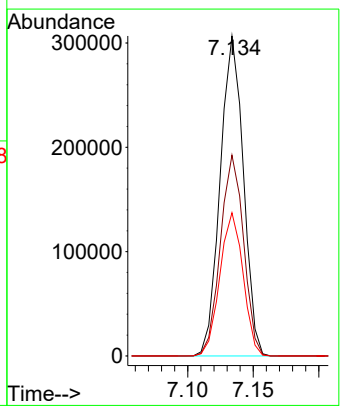
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

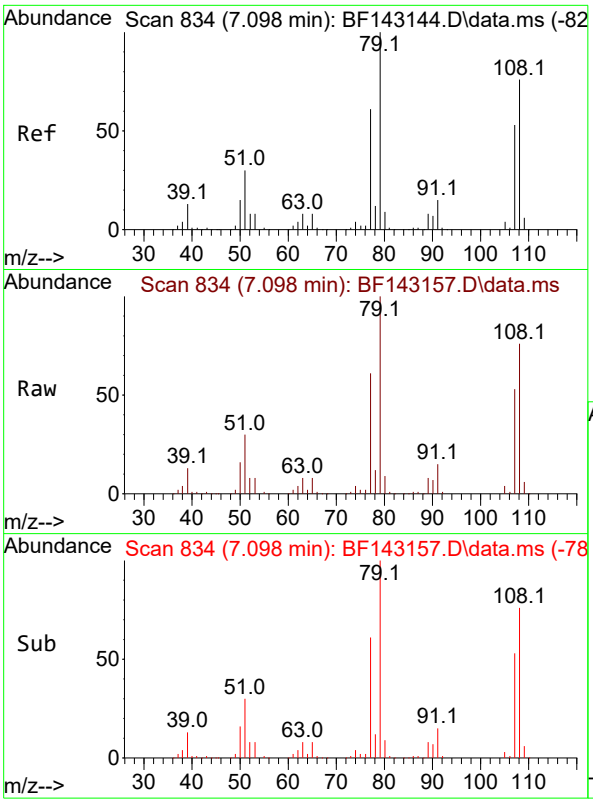


#14
1,2-Dichlorobenzene
Concen: 39.413 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:146 Resp: 377188

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.7	76.1
111	44.8	36.6	54.8

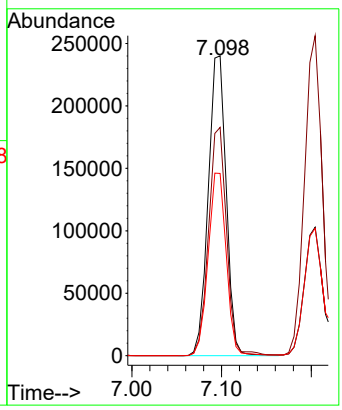




#15
Benzyl Alcohol
Concen: 39.613 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 79 Resp: 33405

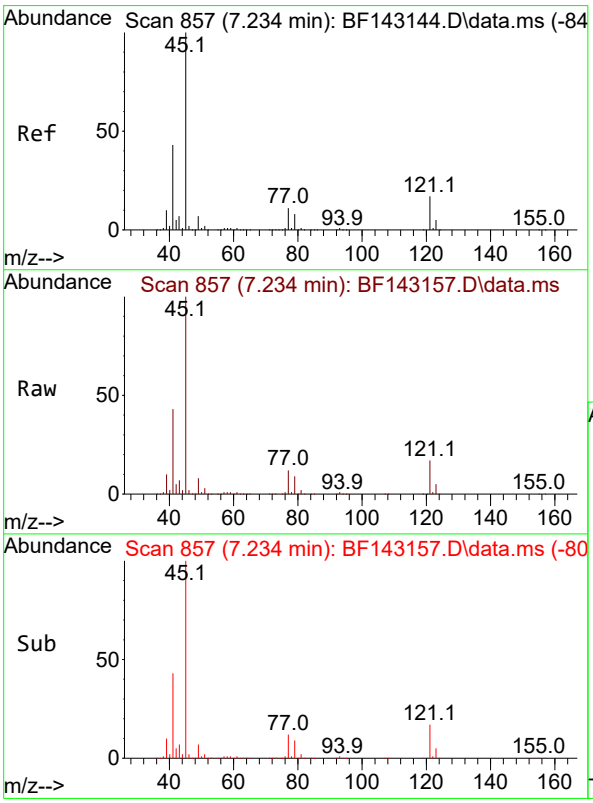
Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.1	91.7
77	60.8	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

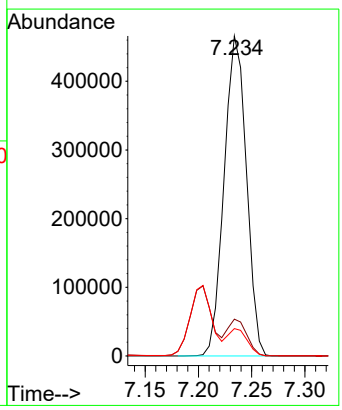
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

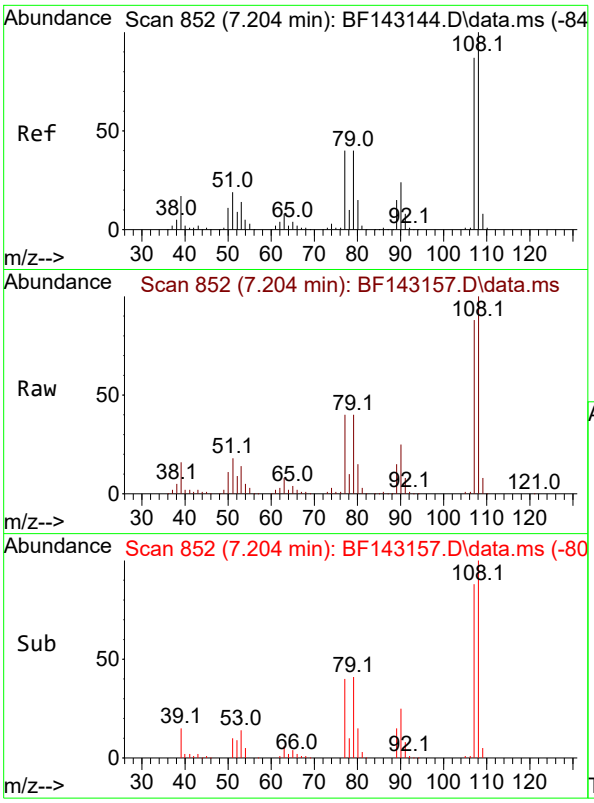


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.695 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 45 Resp: 678356

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.6	0.0	28.5

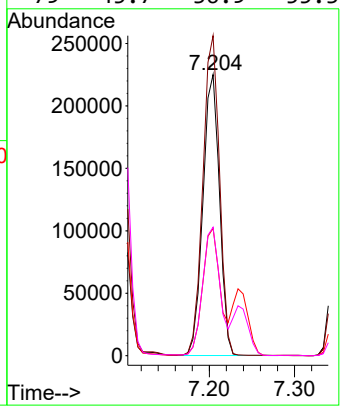




#17
2-Methylphenol
Concen: 39.283 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:107 Resp: 30379

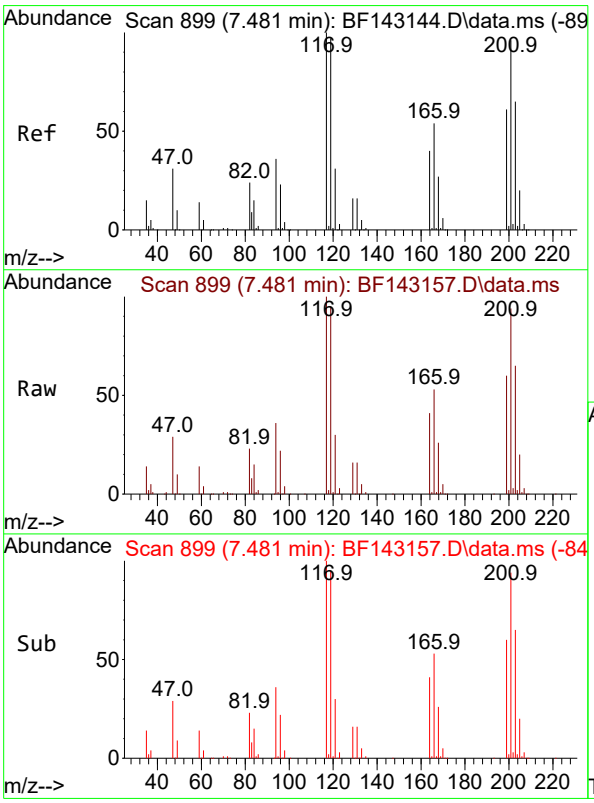
Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.8	137.6
77	45.3	37.0	55.6
79	45.7	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

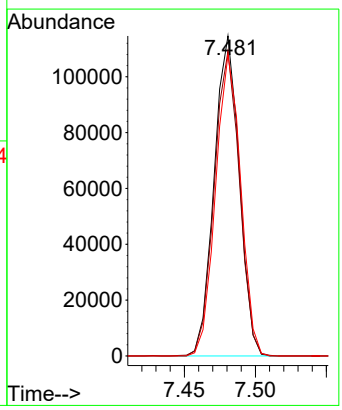
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

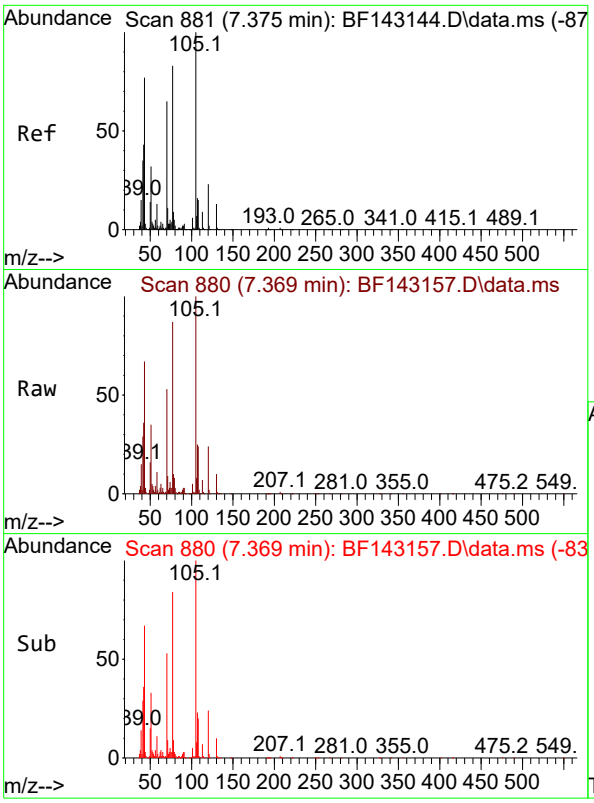


#18
Hexachloroethane
Concen: 40.502 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:117 Resp: 141080

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.8
201	94.1	77.0	115.4

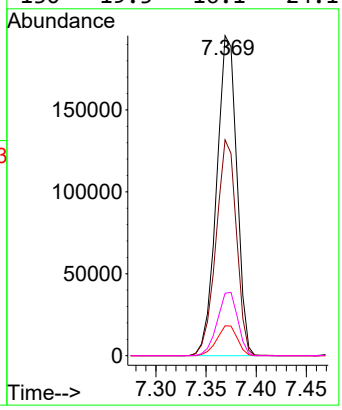




#19
n-Nitroso-di-n-propylamine
Concen: 38.561 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 70 Resp: 27323

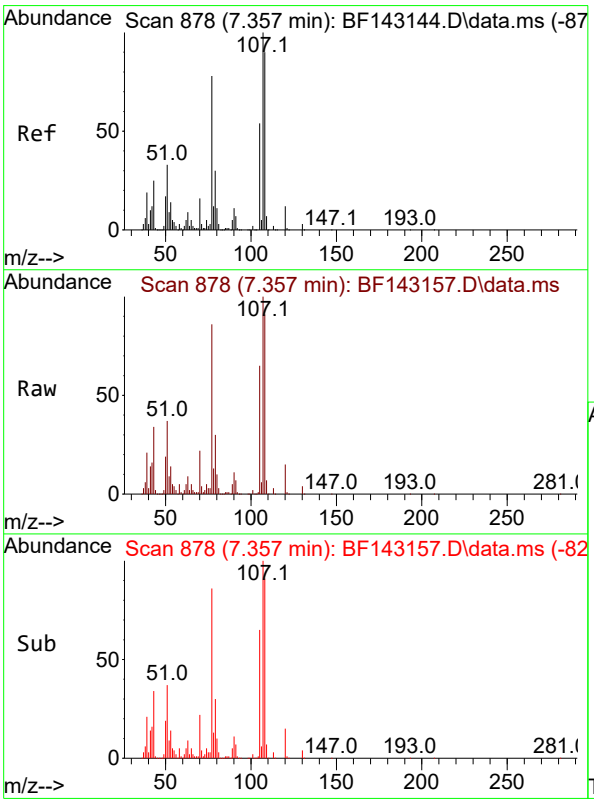
Ion	Ratio	Lower	Upper
70	100		
42	67.5	52.5	78.7
101	9.3	7.6	11.4
130	19.5	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

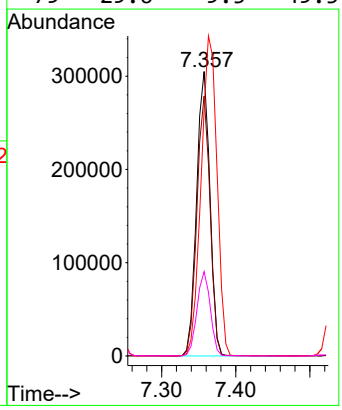
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

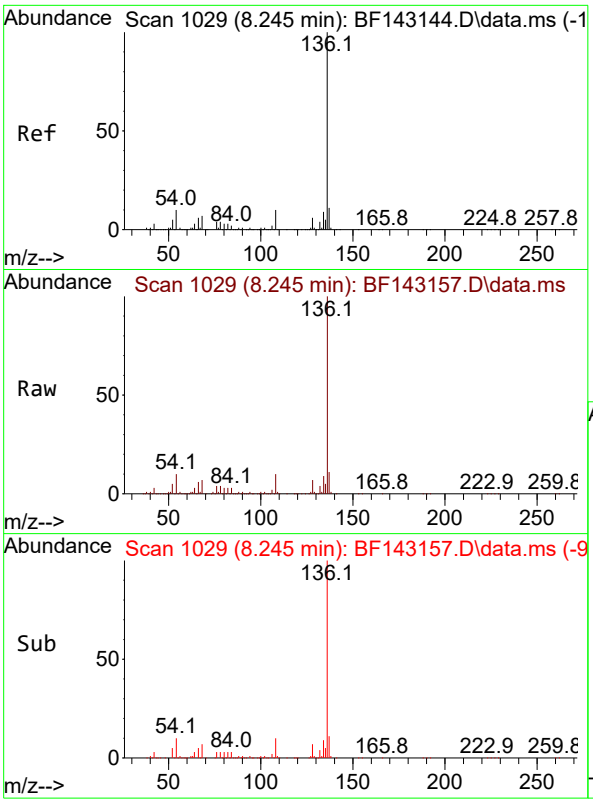


#20
3+4-Methylphenols
Concen: 40.698 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:107 Resp: 381861

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.0	110.0
77	86.4	57.8	97.8
79	29.6	9.5	49.5

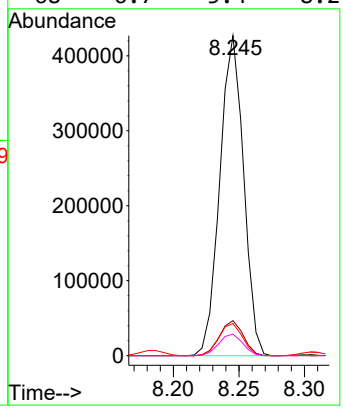




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:136 Resp: 53690

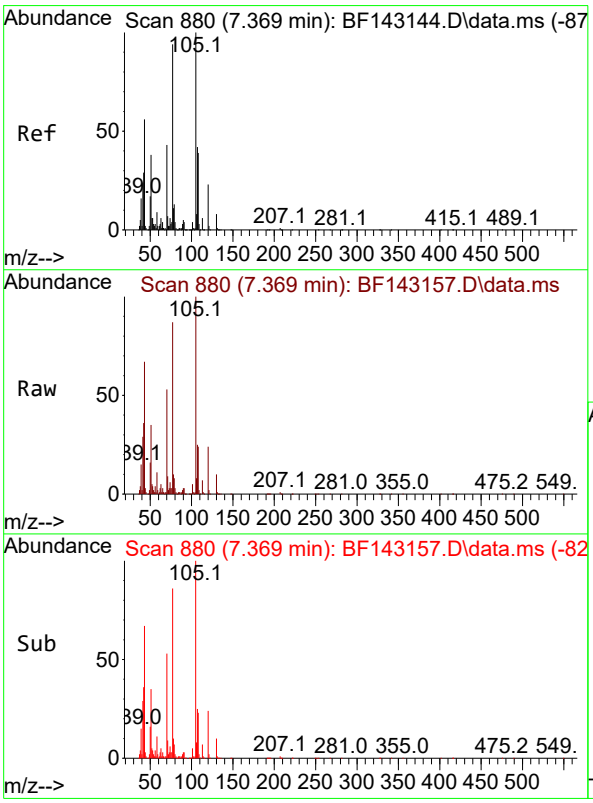
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.0	8.2	12.2
68	6.7	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

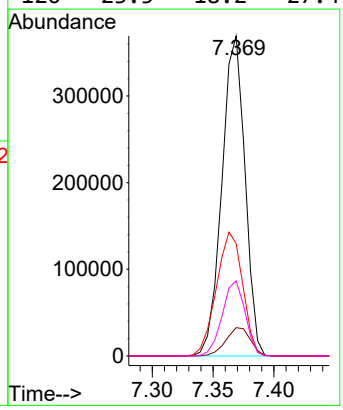
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

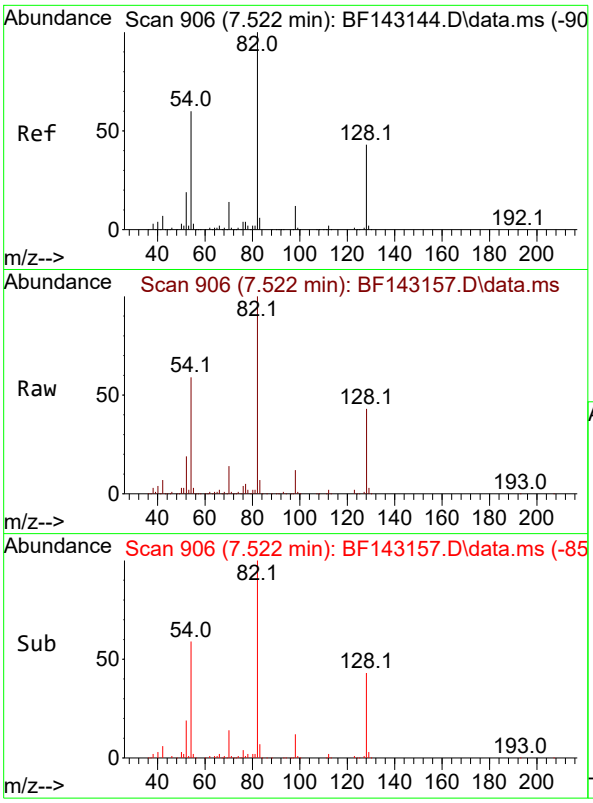


#22
Acetophenone
Concen: 38.334 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:105 Resp: 487279

Ion	Ratio	Lower	Upper
105	100		
71	8.9	5.8	8.6#
51	35.1	30.2	45.2
120	23.5	18.2	27.4





#23
Nitrobenzene-d5
Concen: 83.120 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

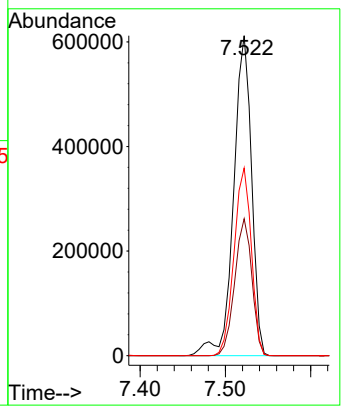
Tgt Ion: 82 Resp: 89528

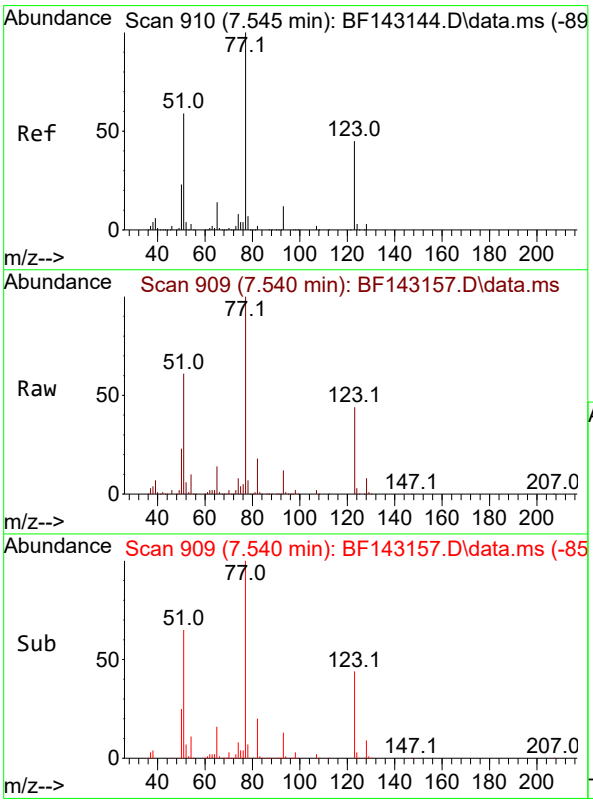
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.6	50.4
54	58.6	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

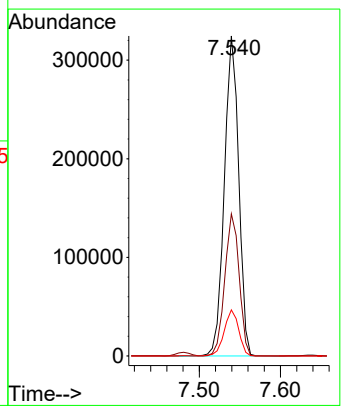


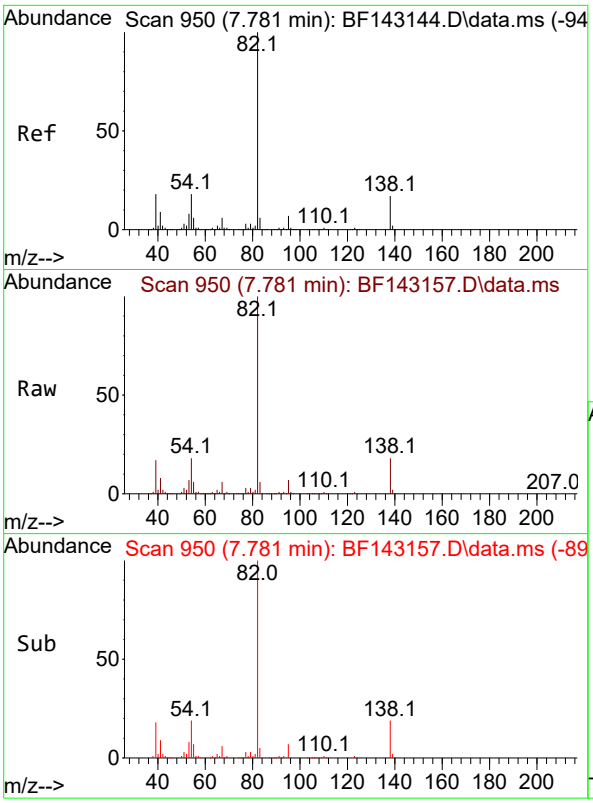


#24
Nitrobenzene
Concen: 39.799 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 77 Resp: 399661

Ion	Ratio	Lower	Upper
77	100		
123	44.4	36.1	54.1
65	14.4	11.4	17.2





#25
Isophorone
Concen: 38.662 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

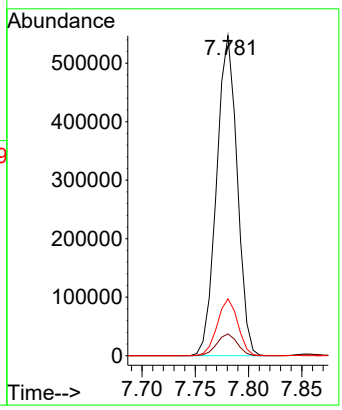
Tgt Ion: 82 Resp: 73512

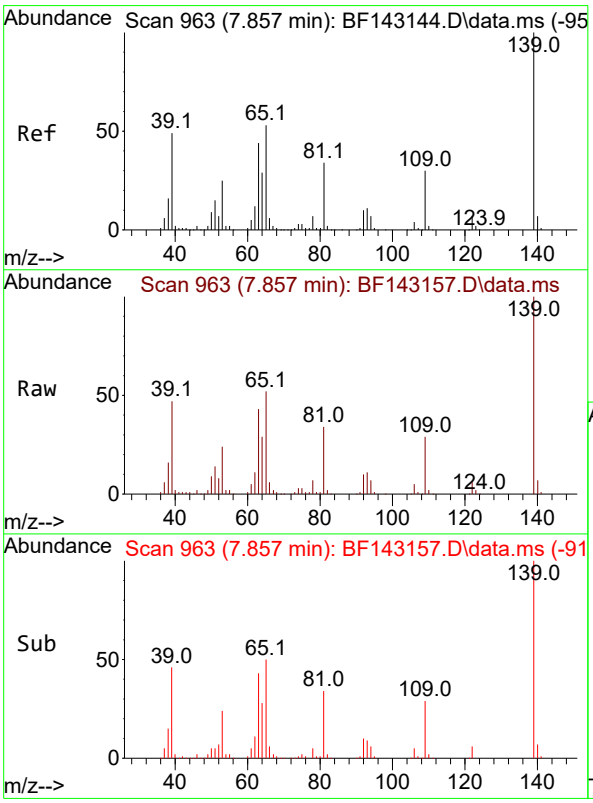
Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.8	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

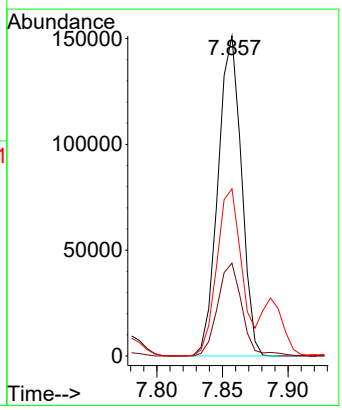


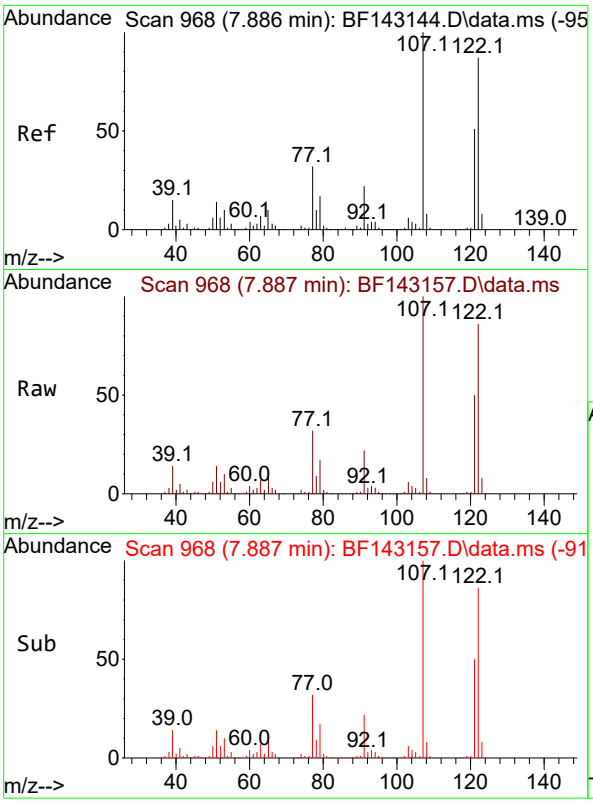


#26
2-Nitrophenol
Concen: 43.005 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:139 Resp: 187422

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	52.3	42.6	64.0

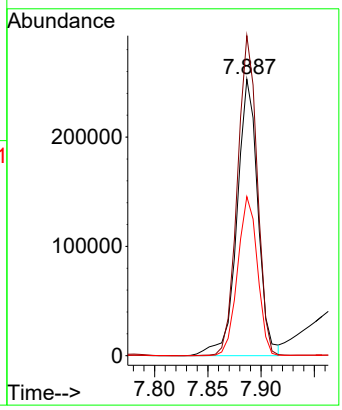




#27
2,4-Dimethylphenol
Concen: 38.914 ng
RT: 7.887 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:122 Resp: 34570

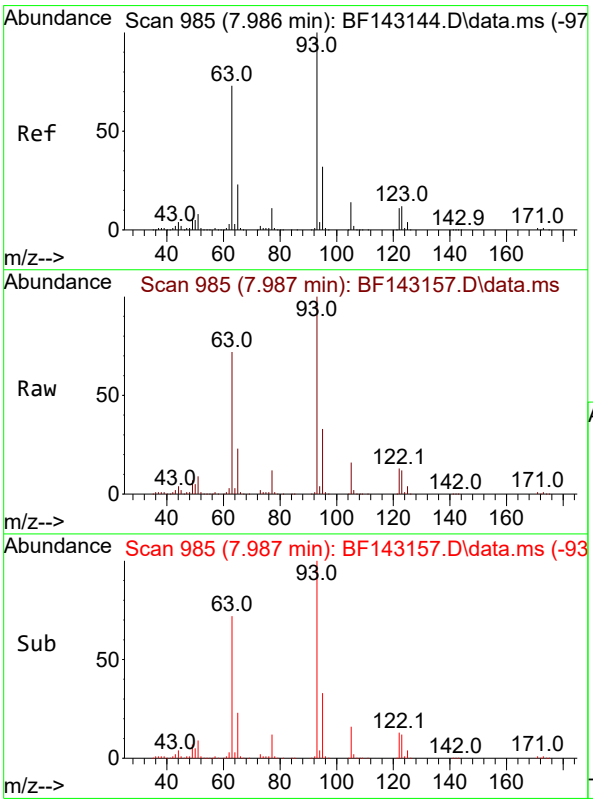
Ion	Ratio	Lower	Upper
122	100		
107	115.7	91.8	137.6
121	57.5	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

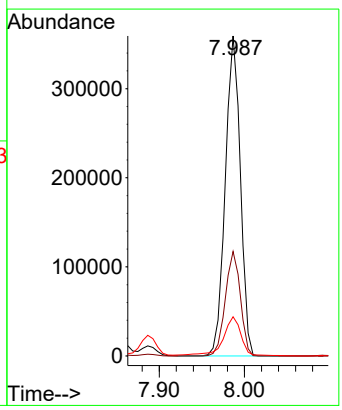
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

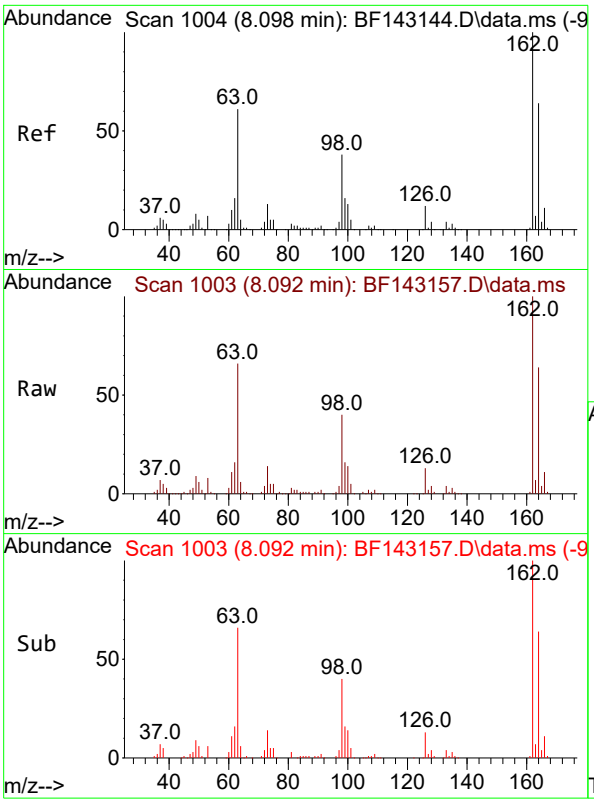


#28
bis(2-Chloroethoxy)methane
Concen: 38.785 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 93 Resp: 442167

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.6
123	12.2	9.7	14.5

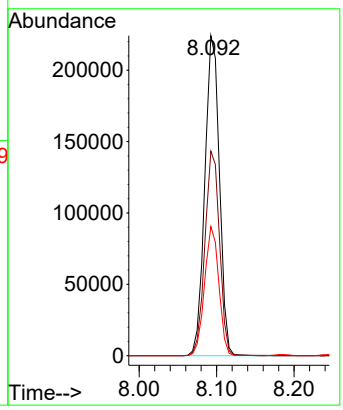




#29
2,4-Dichlorophenol
Concen: 39.168 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:162 Resp: 29344

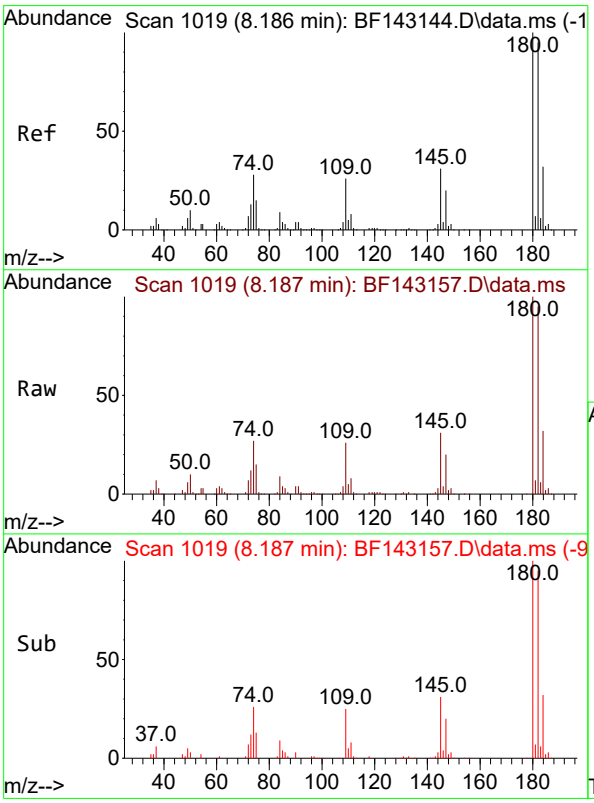
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	40.3	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

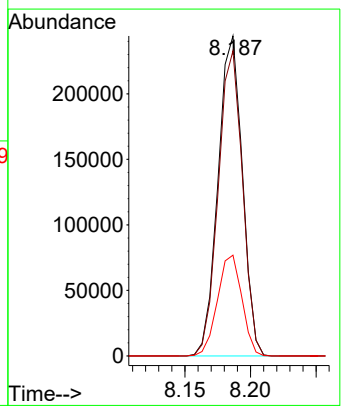
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

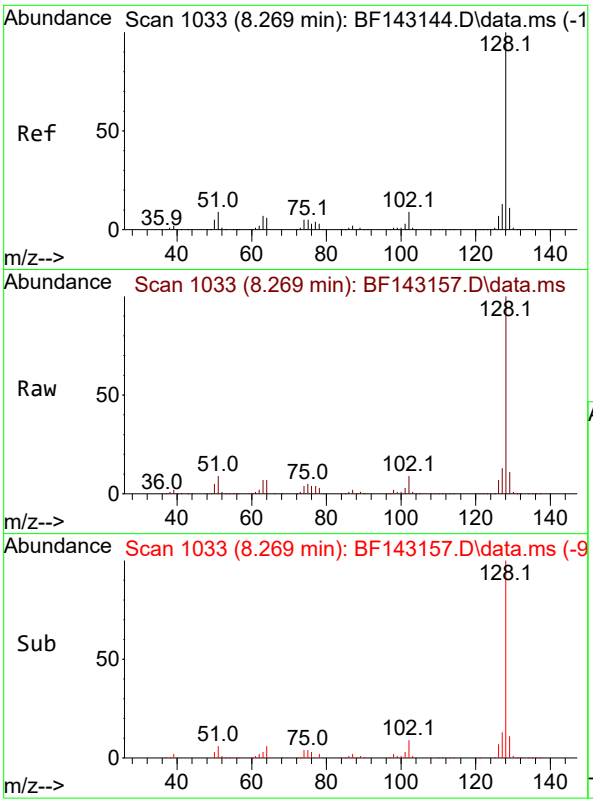


#30
1,2,4-Trichlorobenzene
Concen: 38.870 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:180 Resp: 314604

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
145	31.5	25.0	37.6

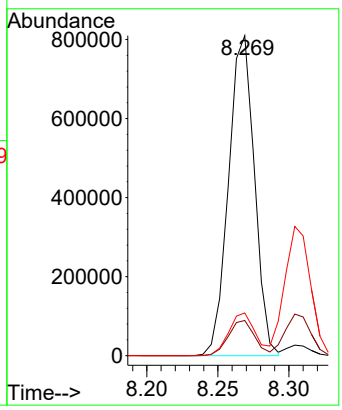




#31
Naphthalene
Concen: 38.883 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:128 Resp: 102814

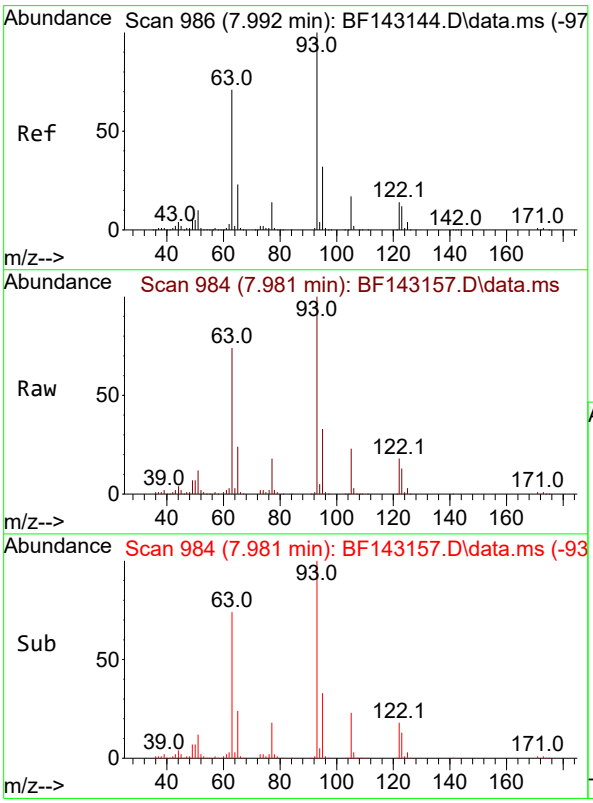
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.4	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

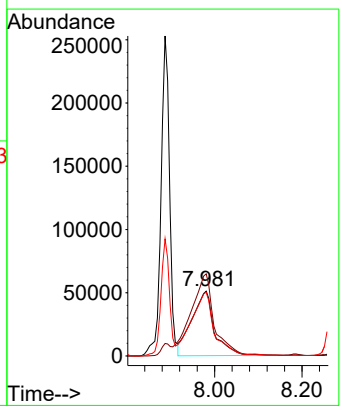
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

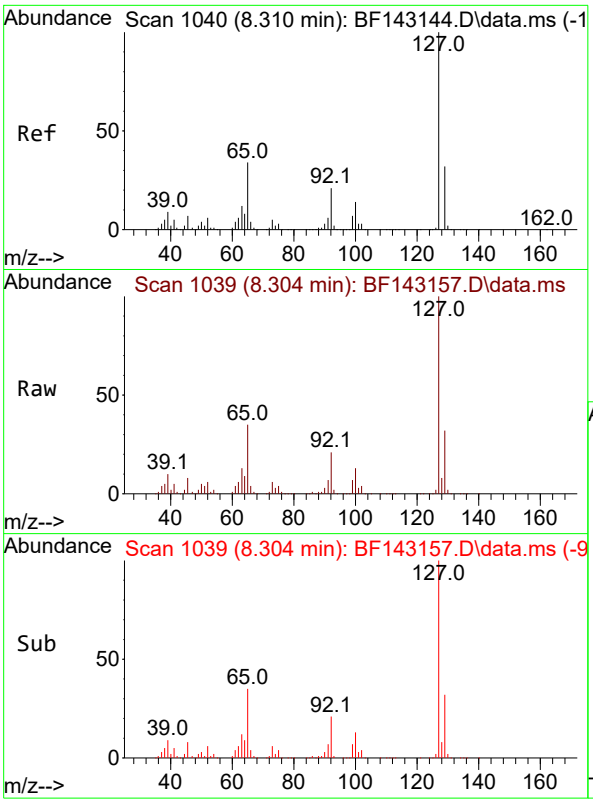


#32
Benzoic acid
Concen: 38.171 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:122 Resp: 185065

Ion	Ratio	Lower	Upper
122	100		
105	126.5	104.8	144.8
77	98.3	77.6	117.6

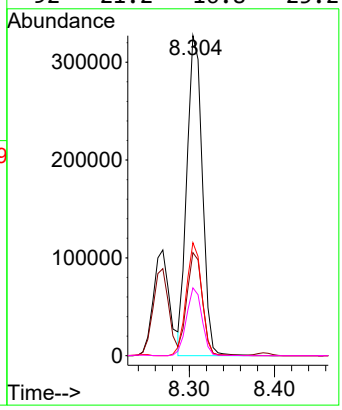




#33
4-Chloroaniline
Concen: 38.161 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:127 Resp: 41201

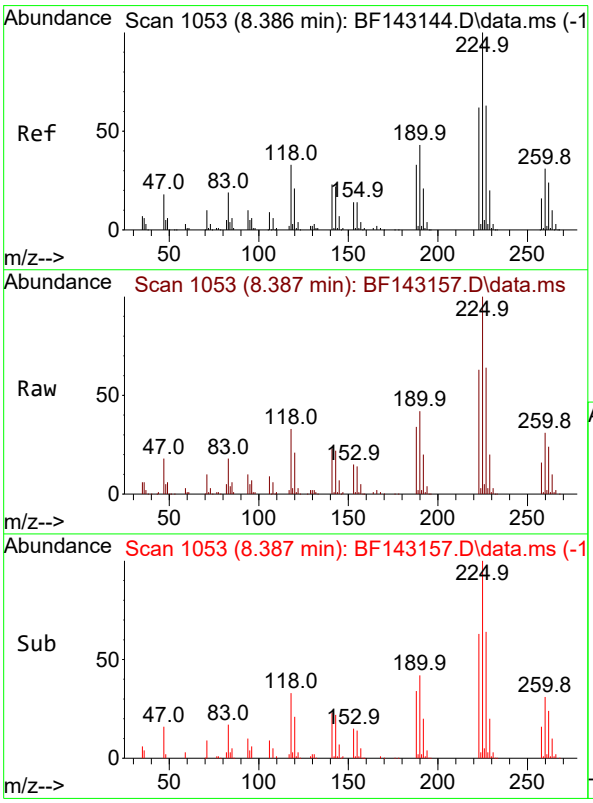
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	35.3	27.4	41.2
92	21.2	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

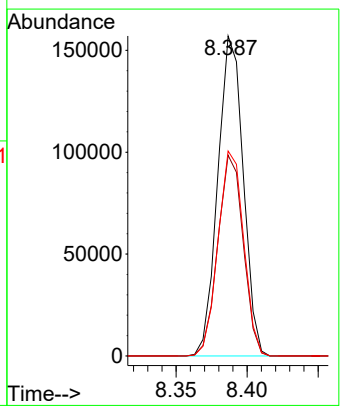
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

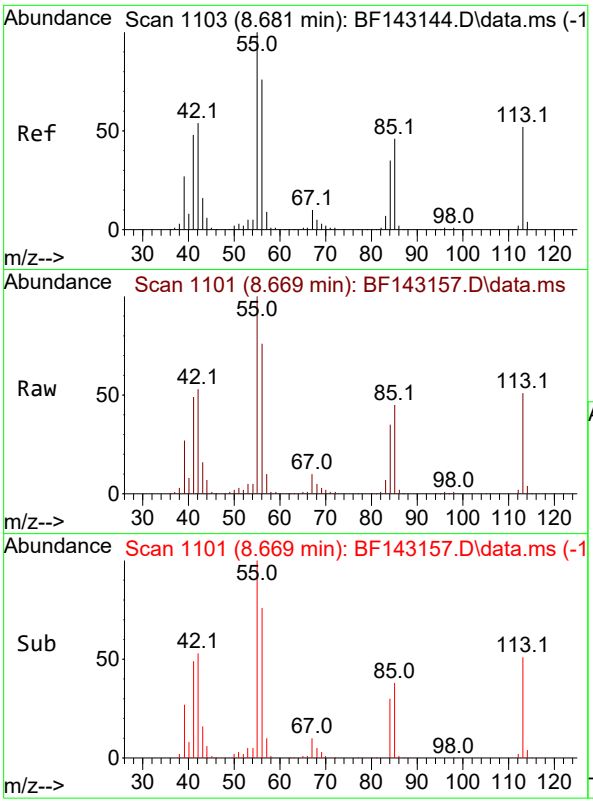


#34
Hexachlorobutadiene
Concen: 39.537 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:225 Resp: 195484

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.6
227	64.0	50.2	75.4

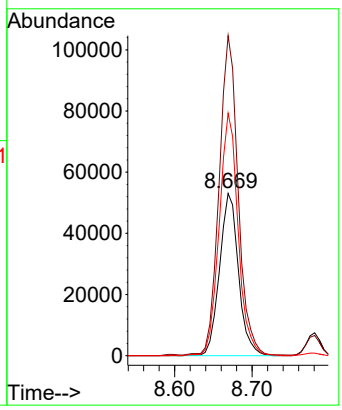




#35
Caprolactam
Concen: 39.790 ng
RT: 8.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:113 Resp: 9008

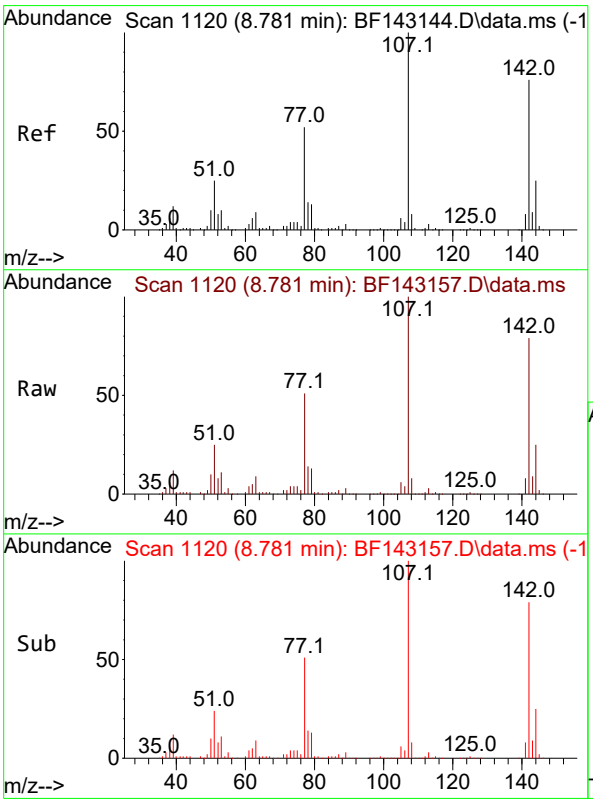
Ion	Ratio	Lower	Upper
113	100		
55	197.2	174.0	214.0
56	149.4	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

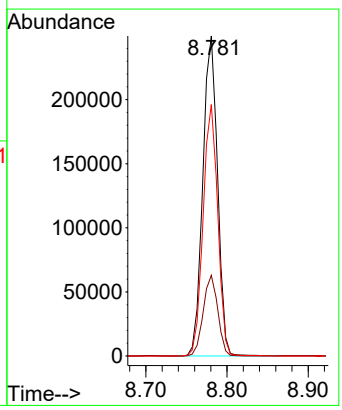
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

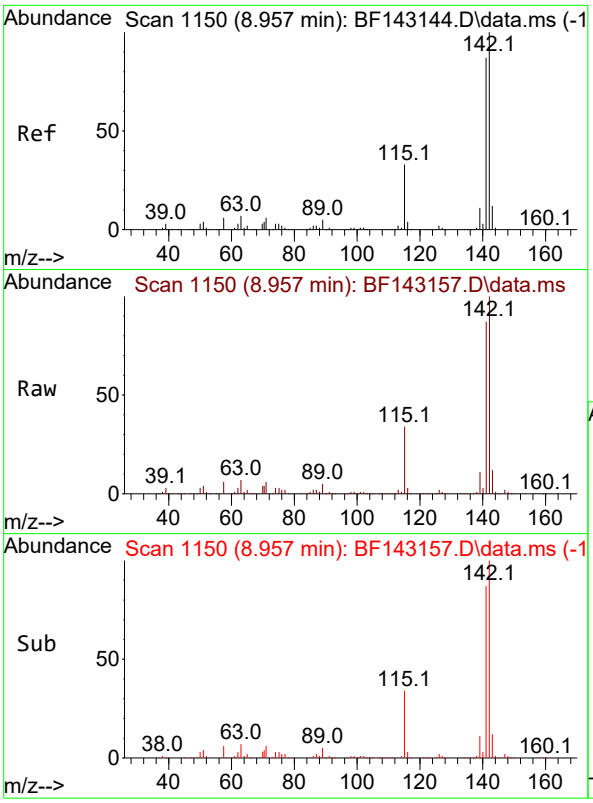


#36
4-Chloro-3-methylphenol
Concen: 38.598 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:107 Resp: 314299

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.8	29.6
142	78.5	60.6	90.8





#37
2-Methylnaphthalene
Concen: 38.490 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

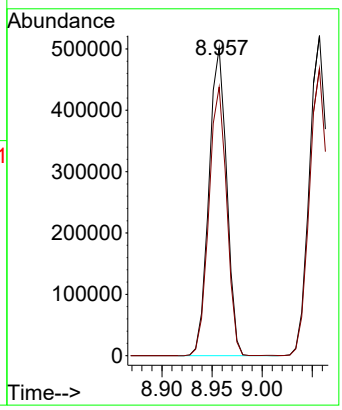
Tgt Ion:142 Resp: 61931

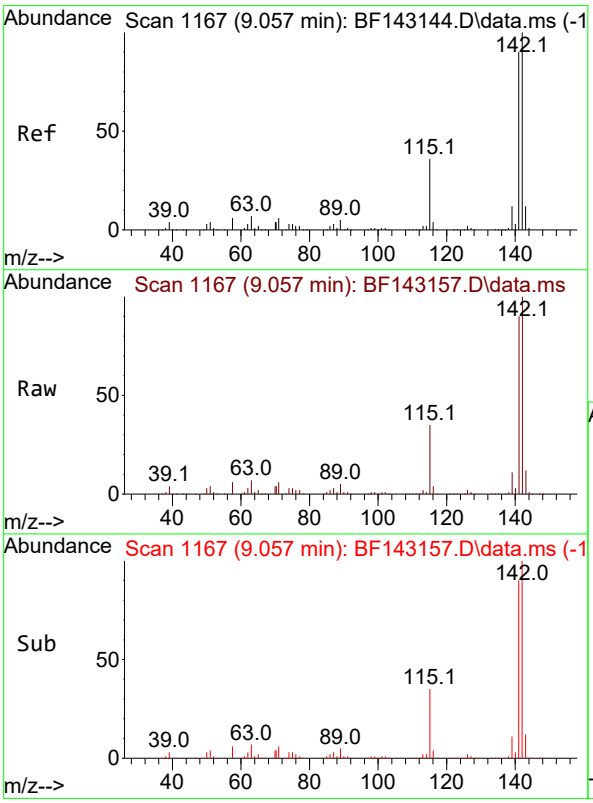
Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

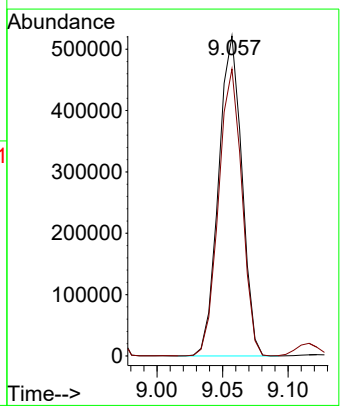


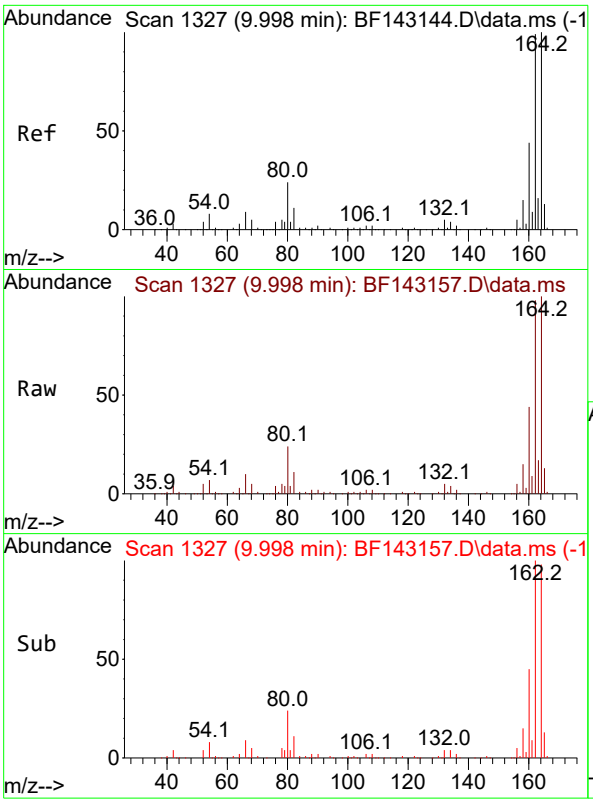


#38
1-Methylnaphthalene
Concen: 38.919 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:142 Resp: 644847

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.3	108.5

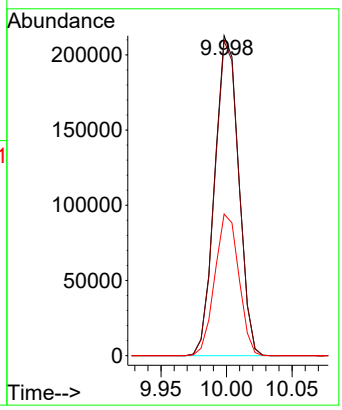




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

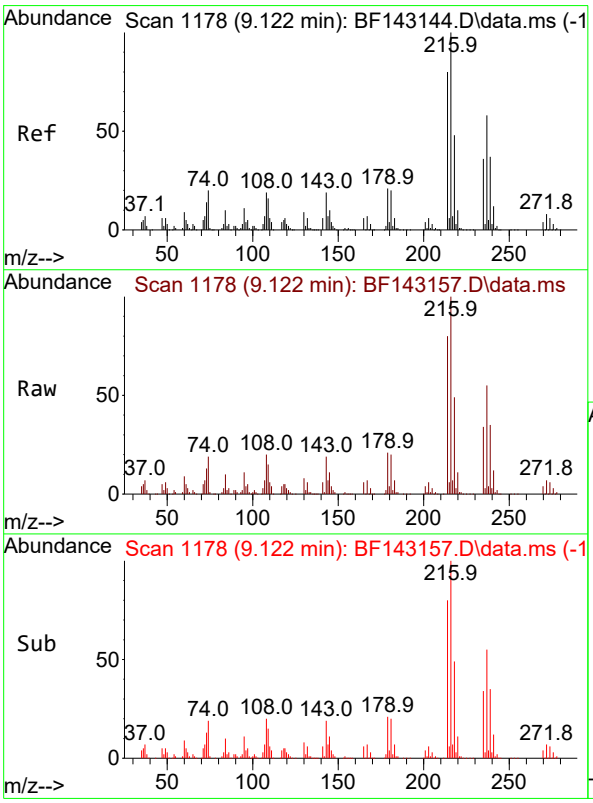
Tgt Ion:164 Resp: 26967

Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.0	118.6
160	44.3	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

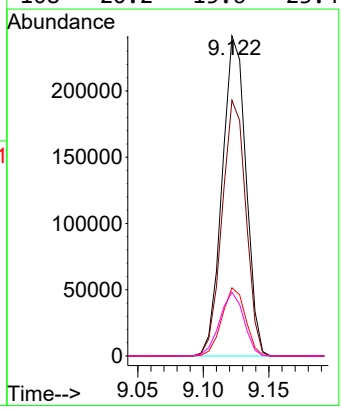
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

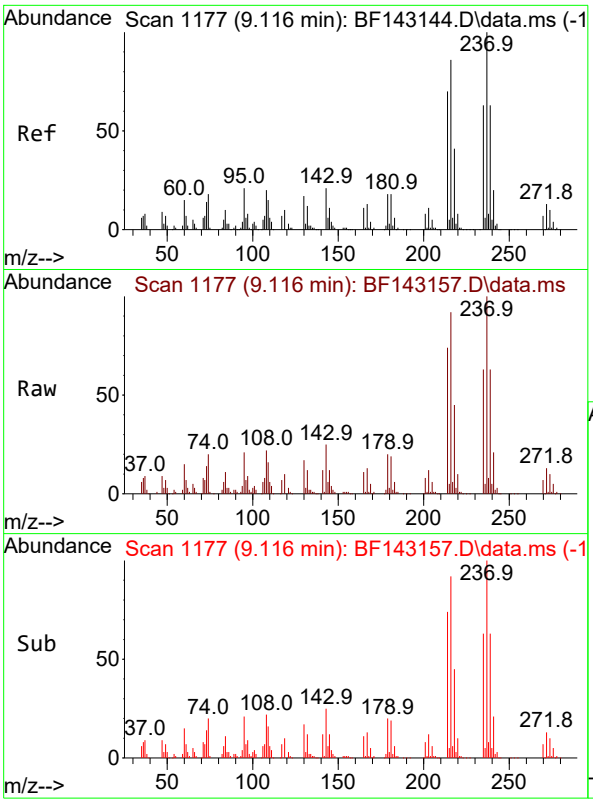


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.116 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:216 Resp: 304551

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.8	95.8
179	21.1	16.4	24.6
108	20.2	15.6	23.4

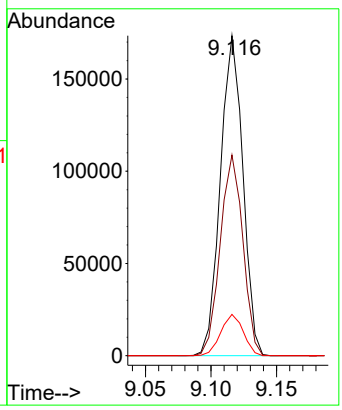




#41
Hexachlorocyclopentadiene
Concen: 40.834 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:237 Resp: 20686

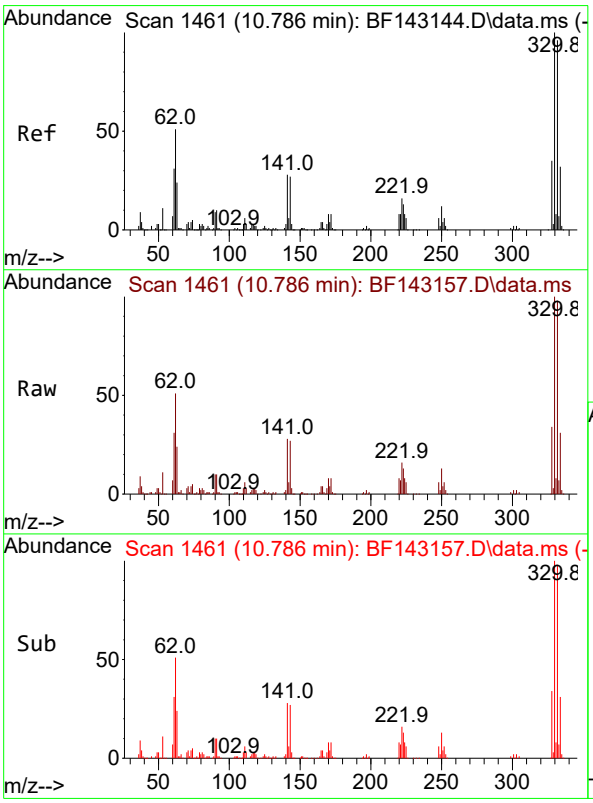
Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.0	83.0
272	12.9	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

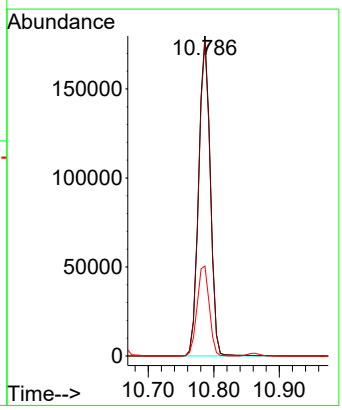
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

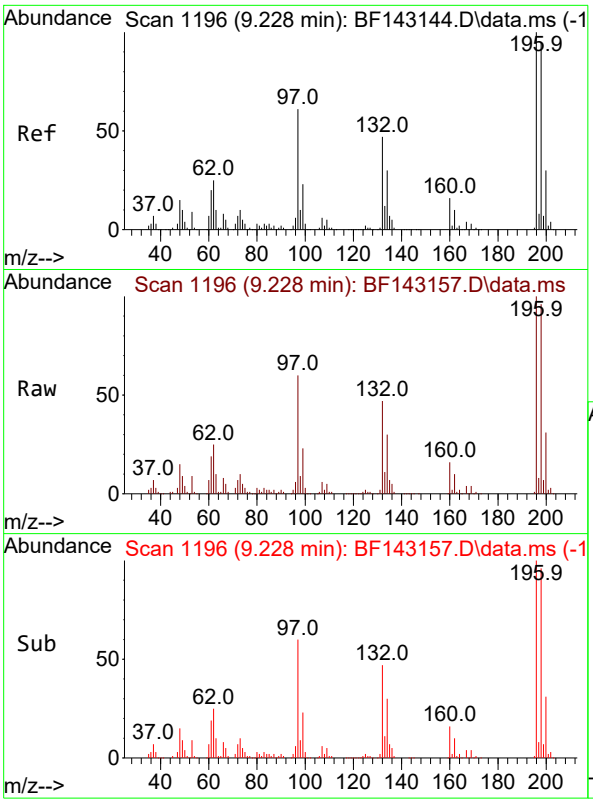


#42
2,4,6-Tribromophenol
Concen: 79.508 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:330 Resp: 221500

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.7	115.1
141	29.5	23.3	34.9

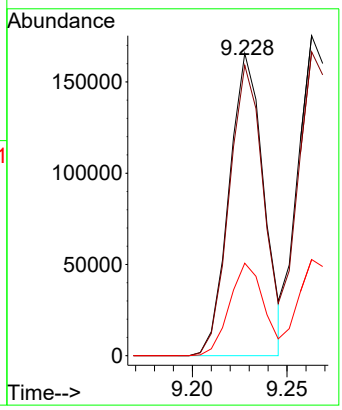




#43
2,4,6-Trichlorophenol
Concen: 38.954 ng
RT: 9.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:196 Resp: 20990

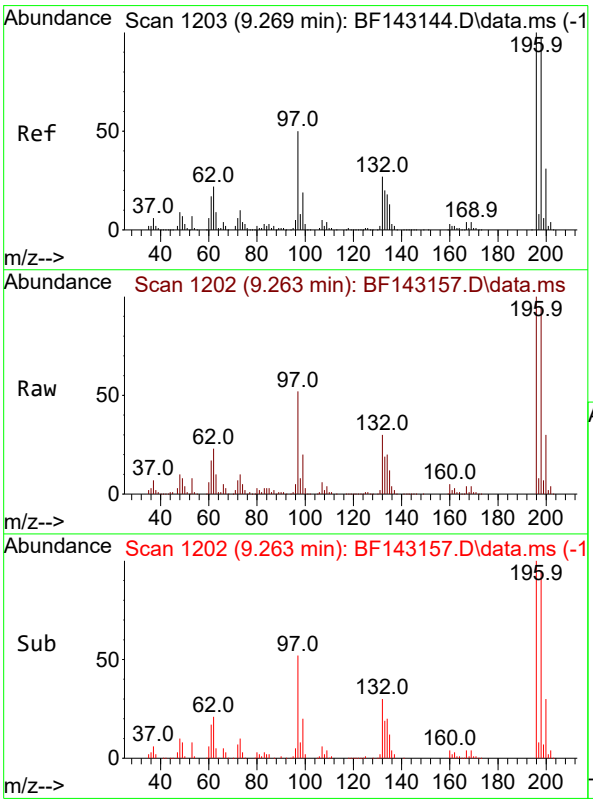
Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.2
200	30.6	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

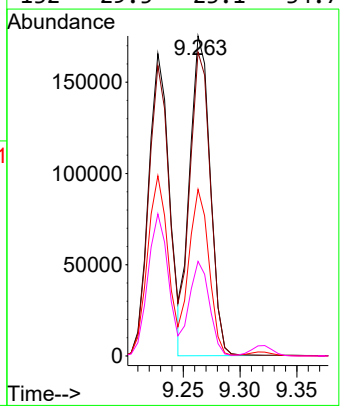
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

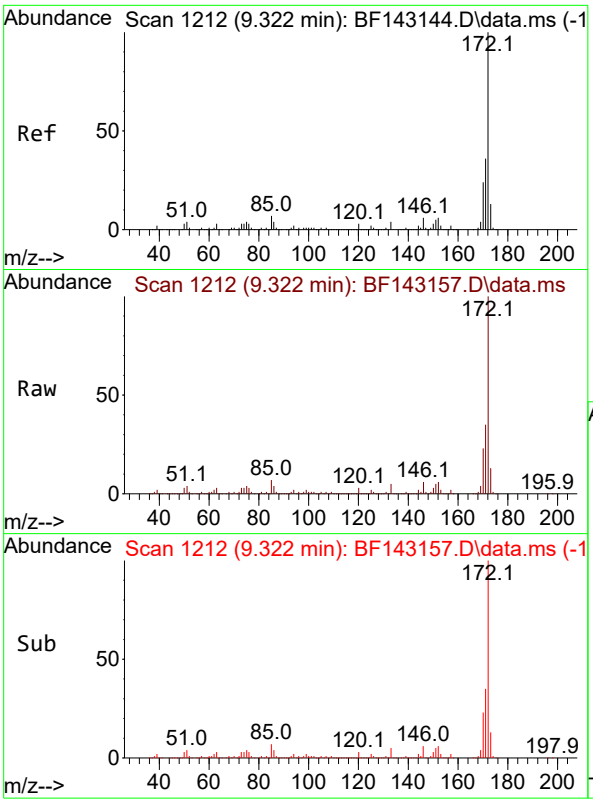


#44
2,4,5-Trichlorophenol
Concen: 40.808 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:196 Resp: 219957

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.3	115.9
97	52.1	40.3	60.5
132	29.5	23.1	34.7

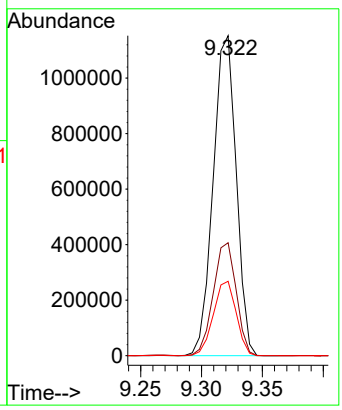




#45
2-Fluorobiphenyl
Concen: 77.029 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

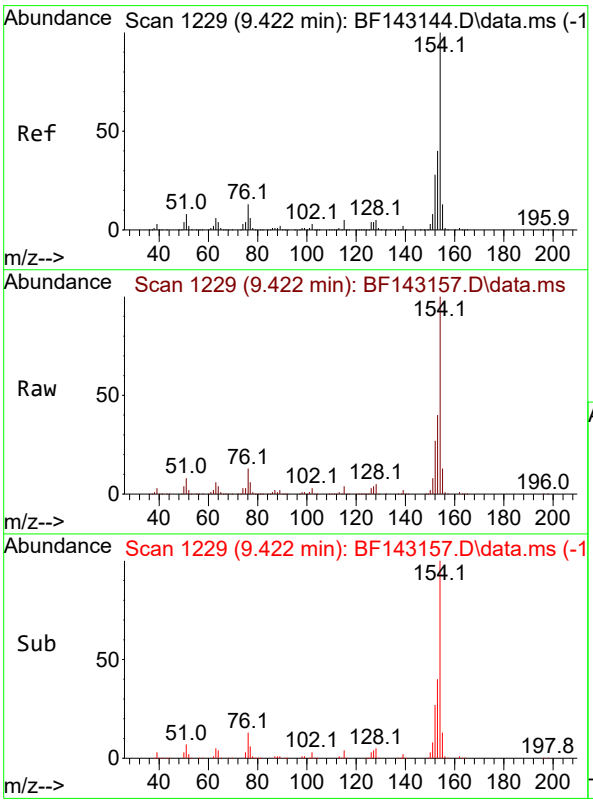
Tgt Ion:172 Resp: 151887

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

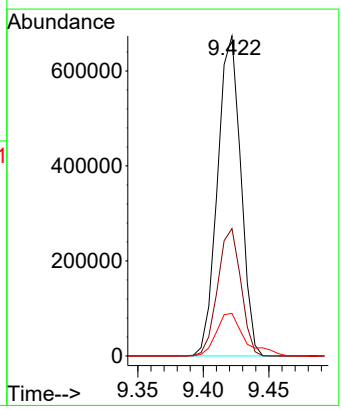
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

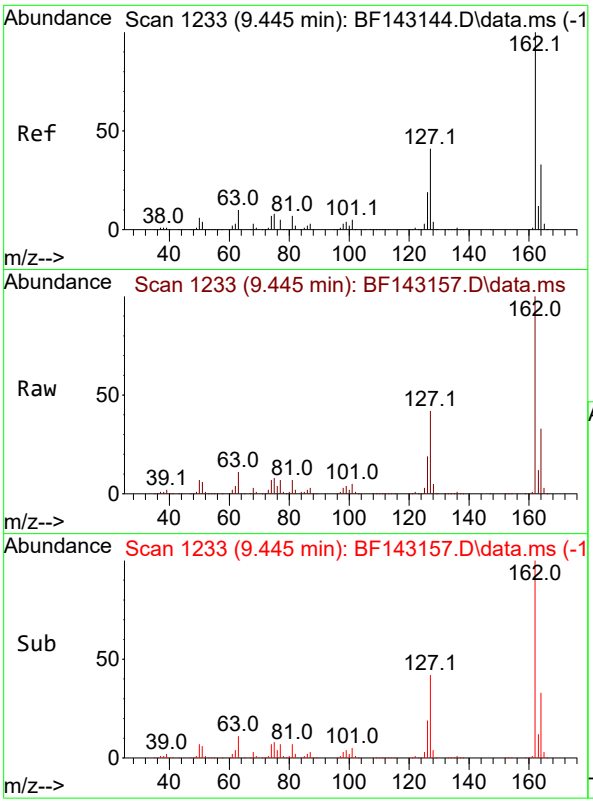


#46
1,1'-Biphenyl
Concen: 39.502 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:154 Resp: 831115

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	13.3	0.0	33.3

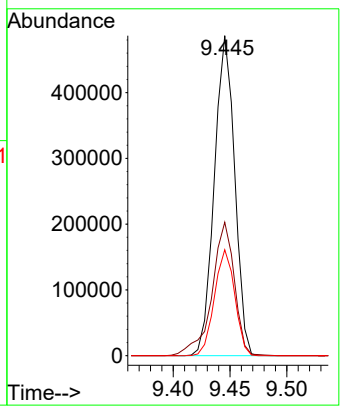




#47
2-Chloronaphthalene
Concen: 38.970 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:162 Resp: 60668

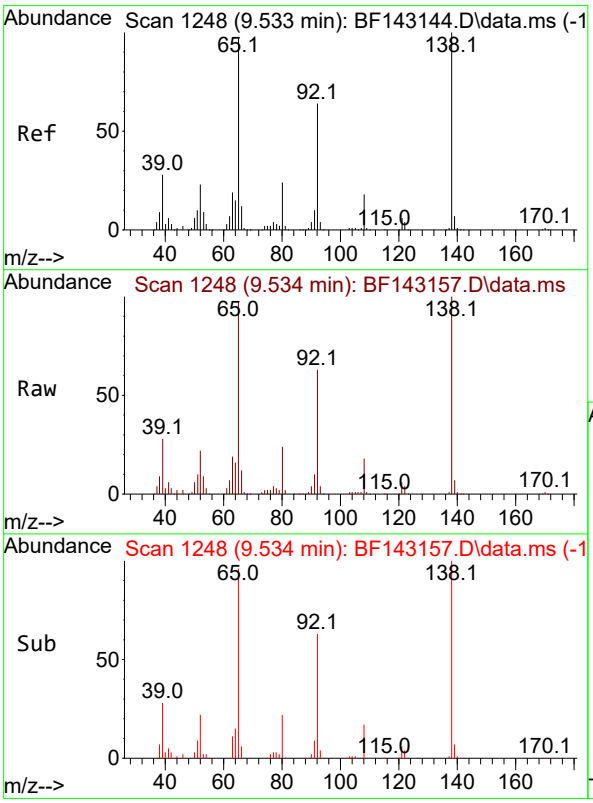
Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.4	50.2
164	33.1	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

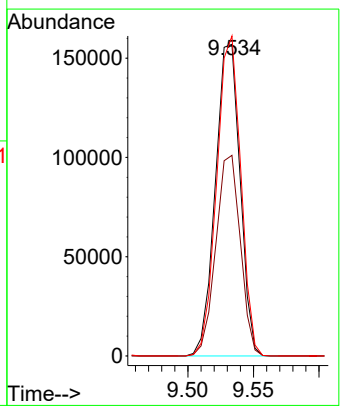
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

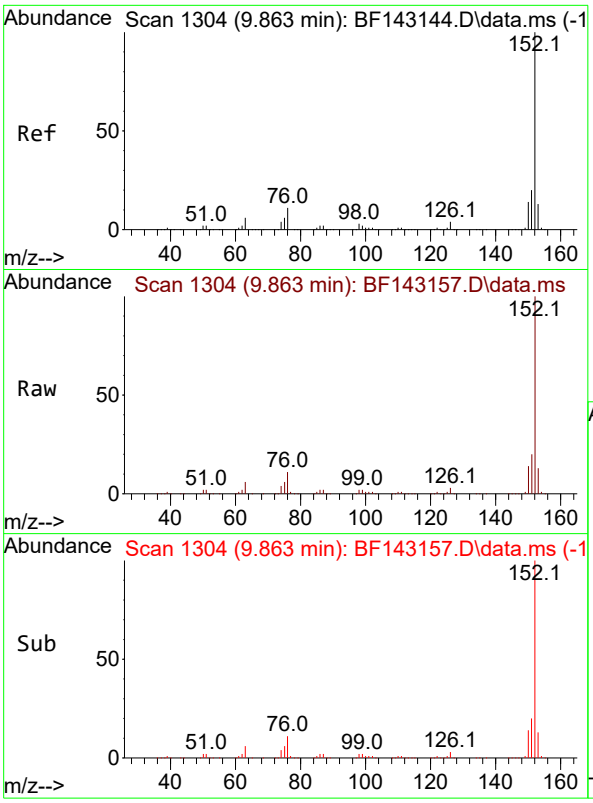


#48
2-Nitroaniline
Concen: 42.151 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 65 Resp: 205784

Ion	Ratio	Lower	Upper
65	100		
92	64.3	52.4	78.6
138	102.6	82.3	123.5

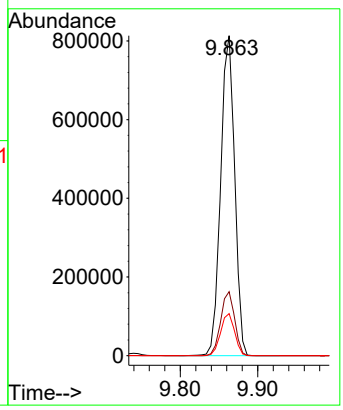




#49
Acenaphthylene
Concen: 39.148 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:152 Resp: 102136

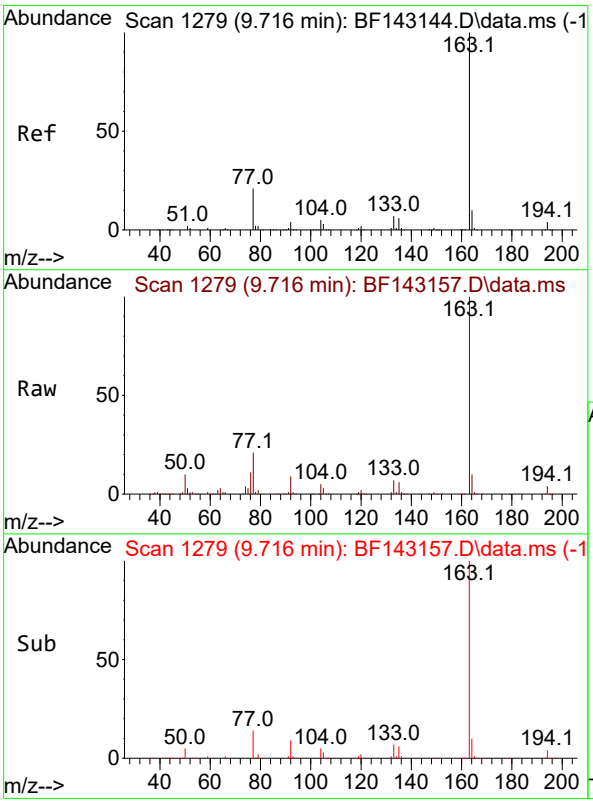
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.1	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

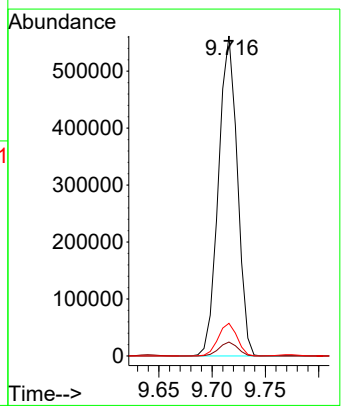
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

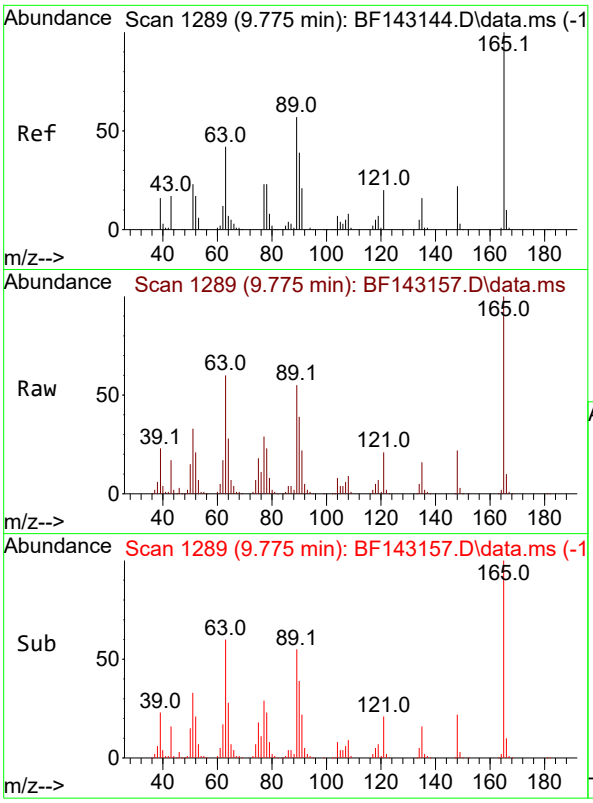


#50
Dimethylphthalate
Concen: 39.347 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:163 Resp: 691652

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.3	12.5

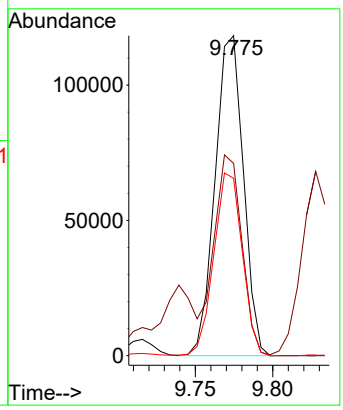




#51
2,6-Dinitrotoluene
Concen: 42.067 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:165 Resp: 15042

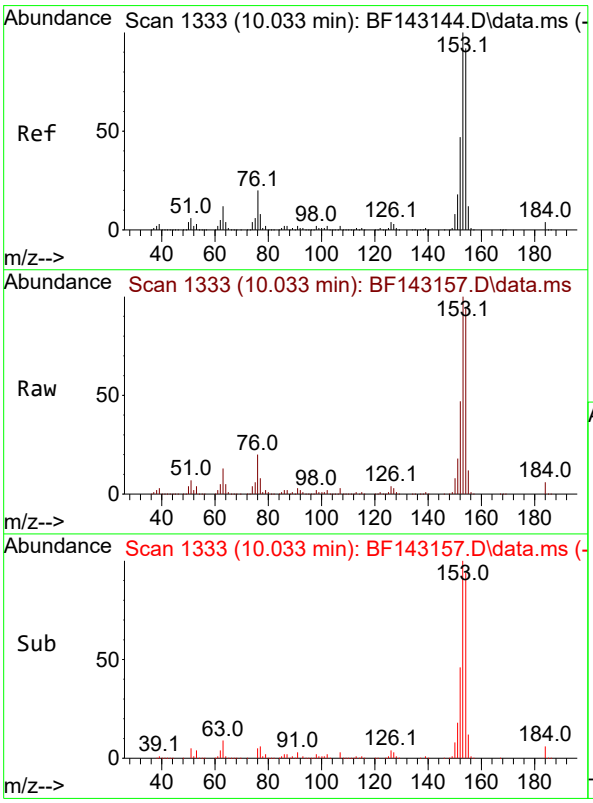
Ion	Ratio	Lower	Upper
165	100		
63	60.1	49.4	74.2
89	55.5	46.2	69.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

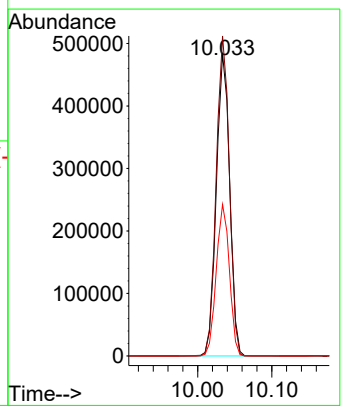
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

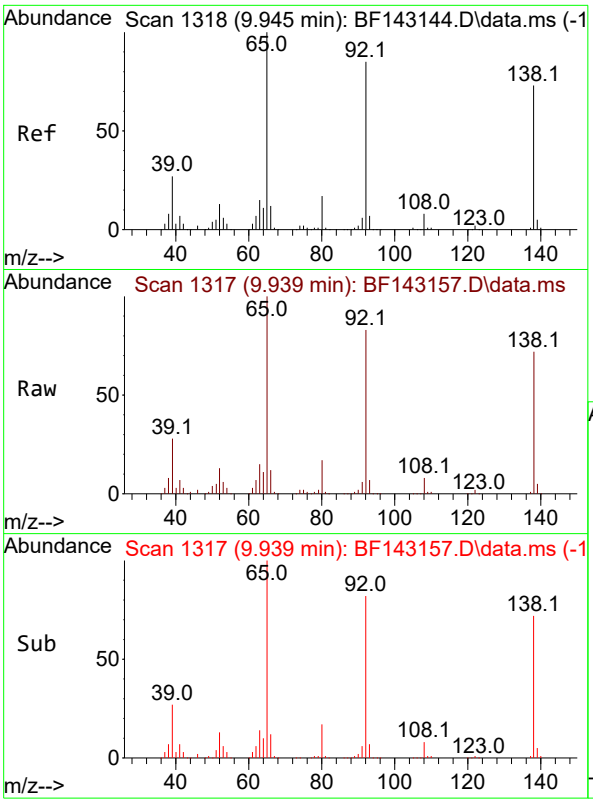


#52
Acenaphthene
Concen: 39.237 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:154 Resp: 605034

Ion	Ratio	Lower	Upper
154	100		
153	106.0	86.6	129.8
152	50.2	40.4	60.6

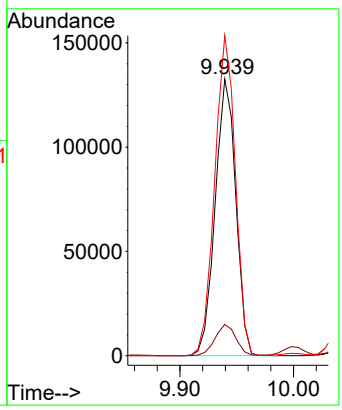




#53
3-Nitroaniline
Concen: 40.028 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:138 Resp: 16742

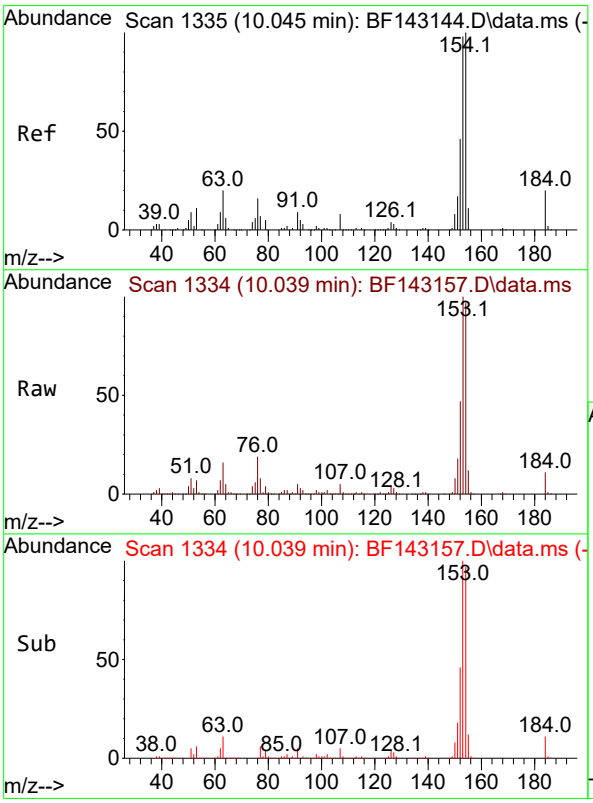
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.6
92	115.7	93.0	139.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

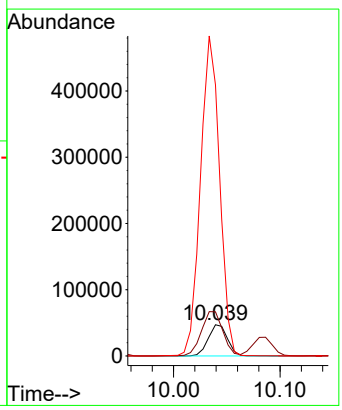
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

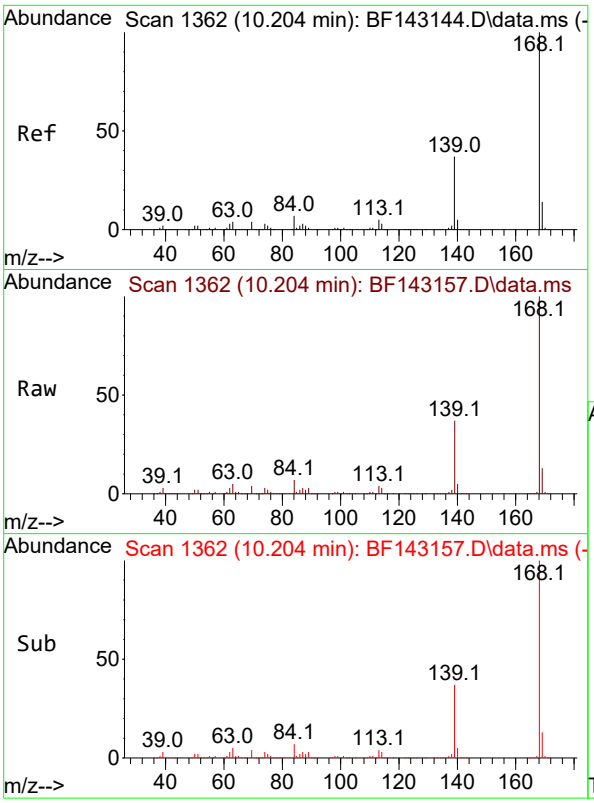


#54
2,4-Dinitrophenol
Concen: 39.960 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:184 Resp: 58866

Ion	Ratio	Lower	Upper
184	100		
63	141.1	81.8	122.6#
154	866.7	412.2	618.4#

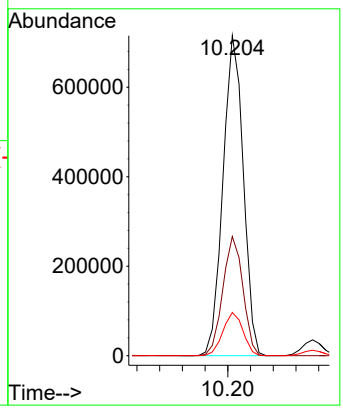




#55
Dibenzofuran
Concen: 38.841 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:168 Resp: 88922

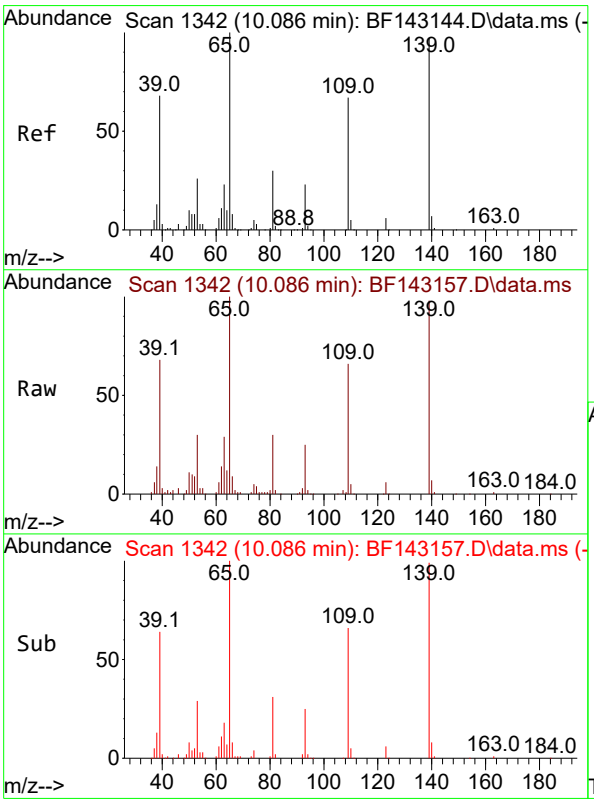
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.5	44.3
169	13.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

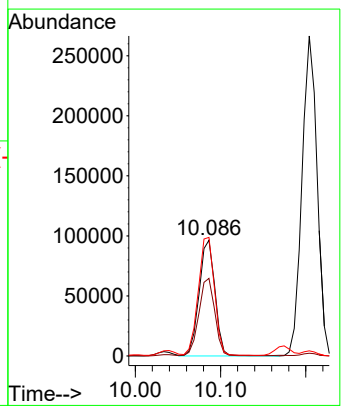
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

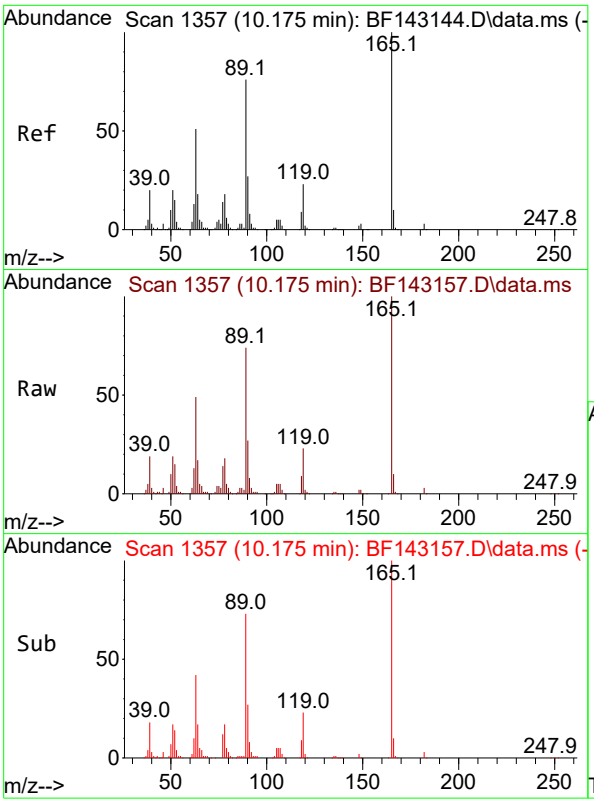


#56
4-Nitrophenol
Concen: 40.040 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:139 Resp: 125059

Ion	Ratio	Lower	Upper
139	100		
109	67.1	48.5	88.5
65	102.5	83.4	123.4

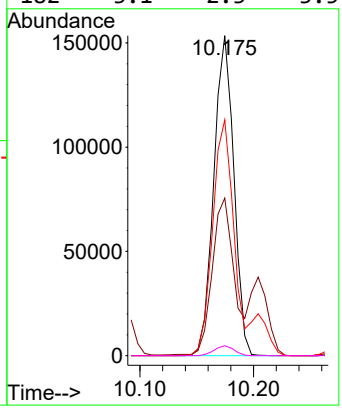




#57
2,4-Dinitrotoluene
Concen: 41.945 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

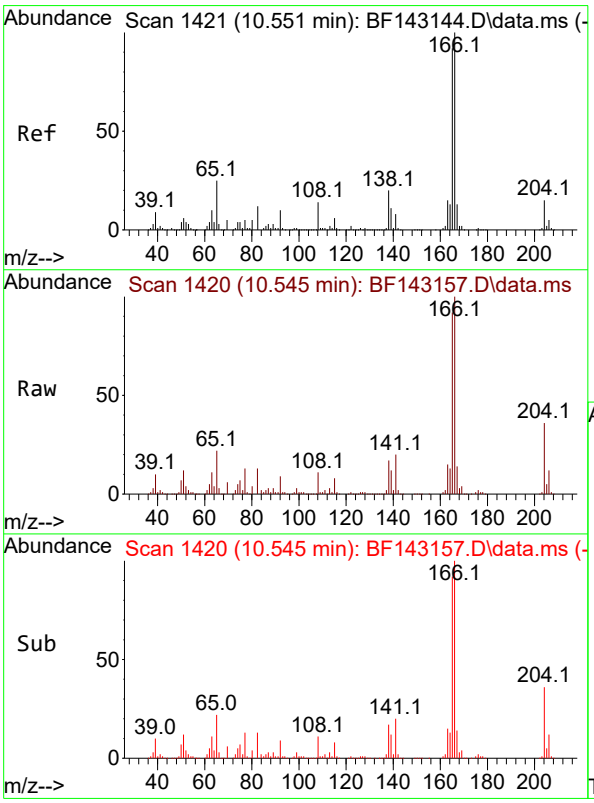
Tgt Ion:165 Resp: 18818

Ion	Ratio	Lower	Upper
165	100		
63	49.3	41.0	61.4
89	73.7	61.1	91.7
182	3.1	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

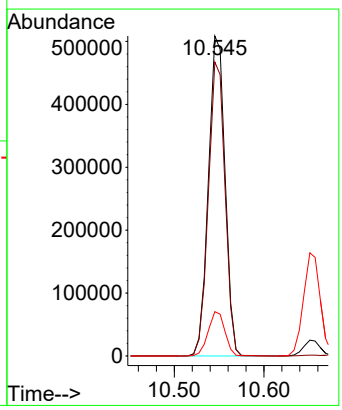
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

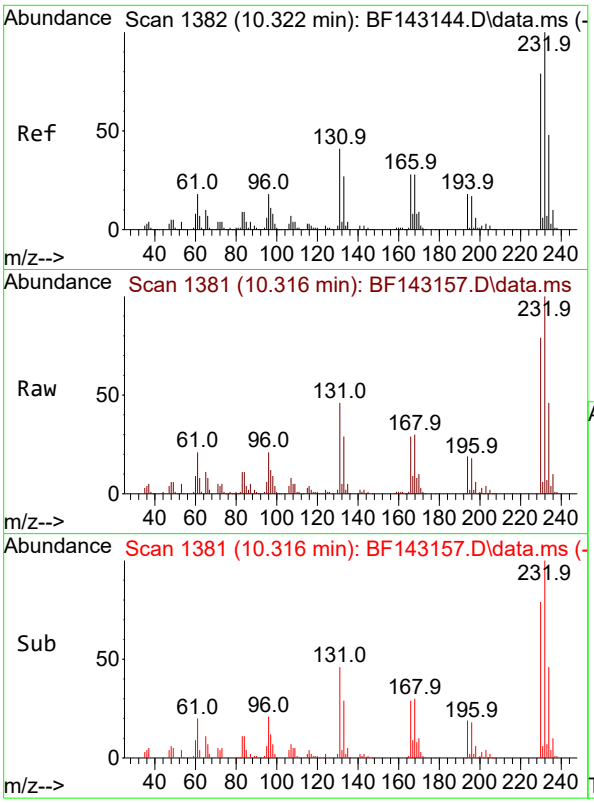


#58
Fluorene
Concen: 38.045 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:166 Resp: 653713

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.8	10.6	16.0

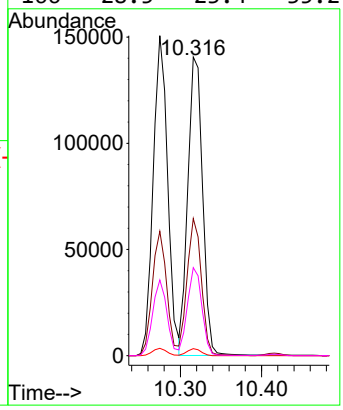




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.875 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:232 Resp: 17803

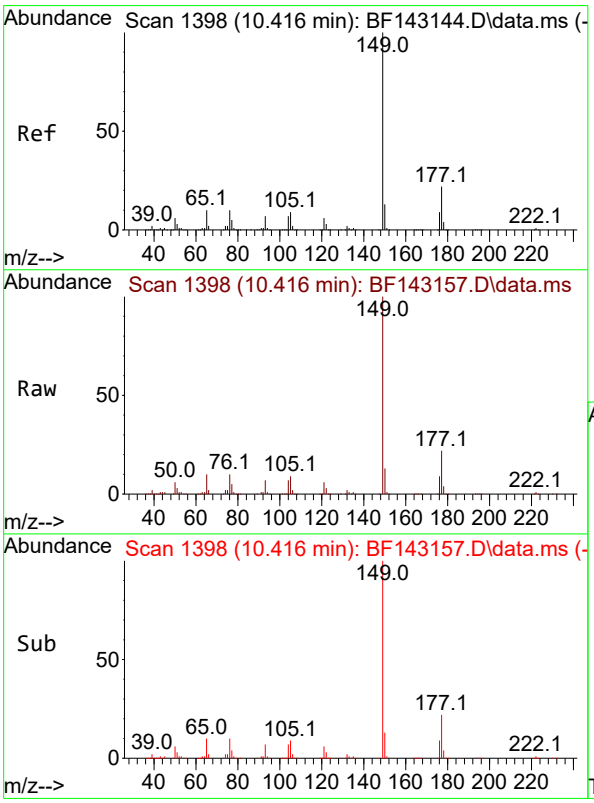
Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.2	1.7	2.5
166	28.5	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

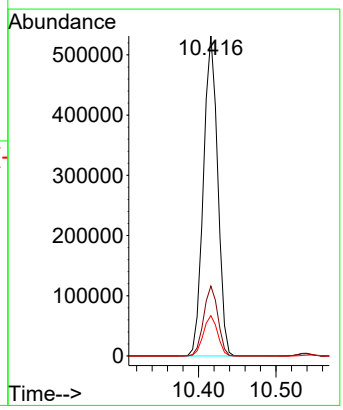
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

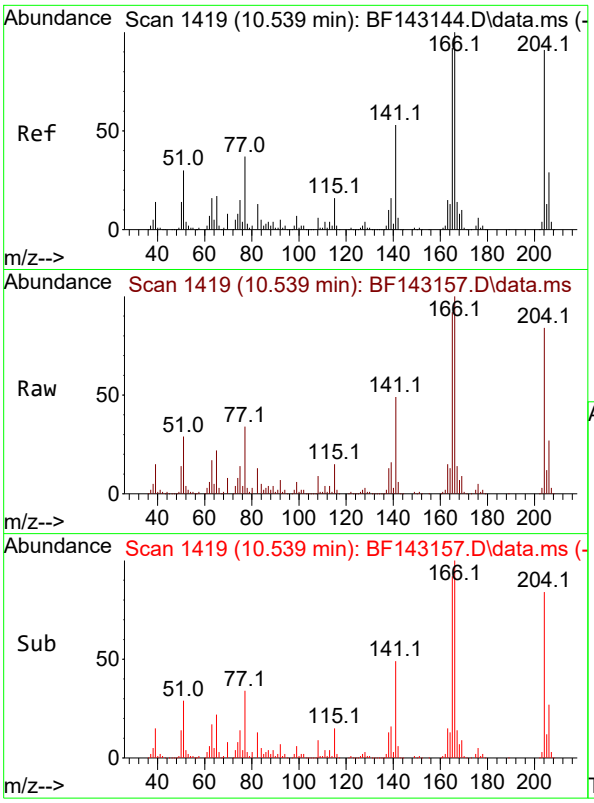


#60
Diethylphthalate
Concen: 39.088 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 679129

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.5	26.3
150	12.6	10.2	15.2

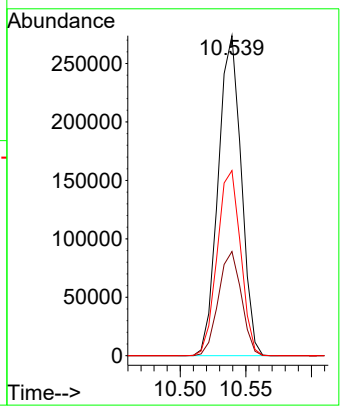




#61
4-Chlorophenyl-phenylether
Concen: 38.975 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:204 Resp: 33346

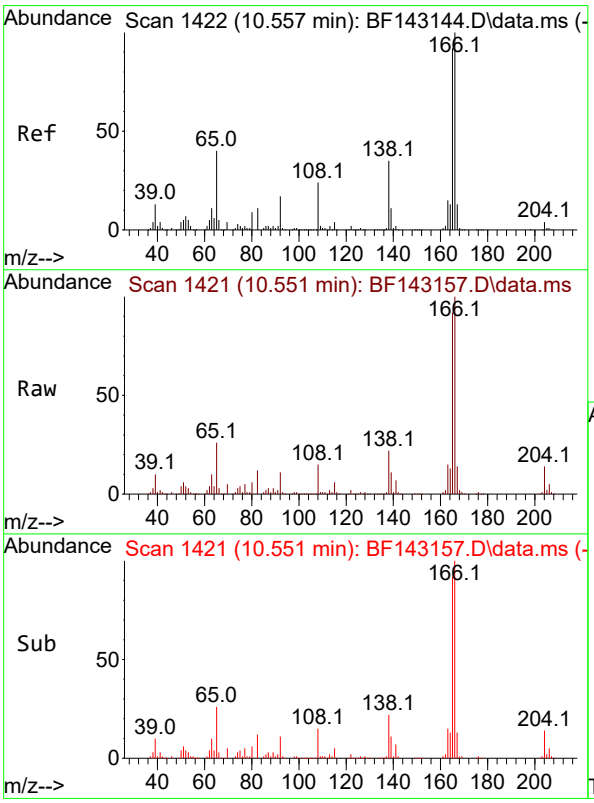
Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.8
141	57.8	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

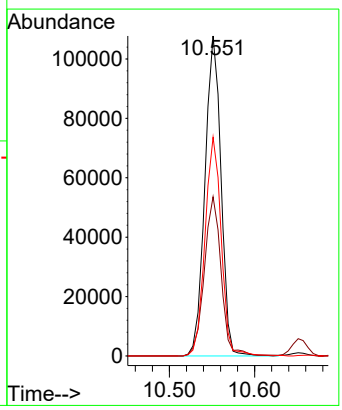
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

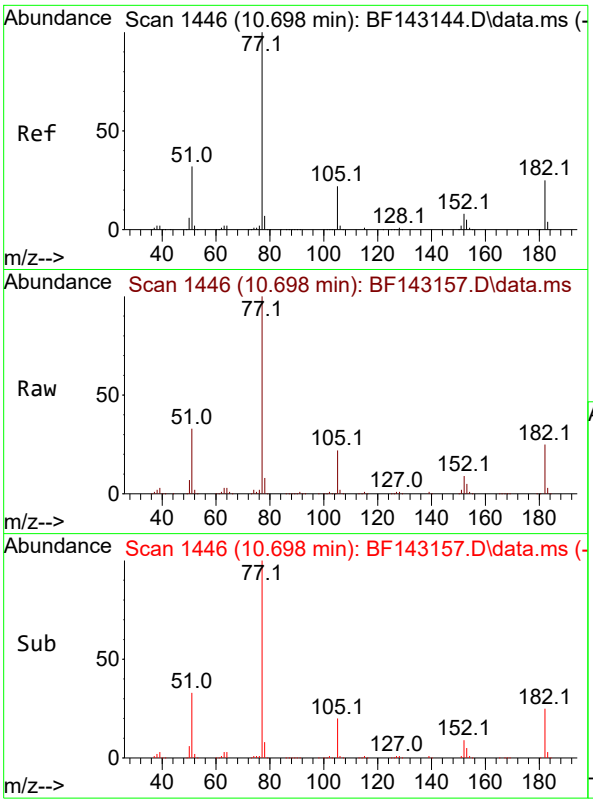


#62
4-Nitroaniline
Concen: 39.478 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:138 Resp: 141515

Ion	Ratio	Lower	Upper
138	100		
92	49.7	29.3	69.3
108	68.4	48.3	88.3

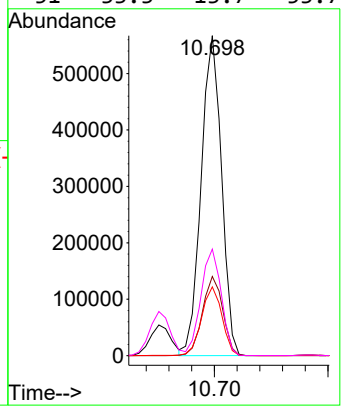




#63
Azobenzene
Concen: 38.986 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 77 Resp: 70594

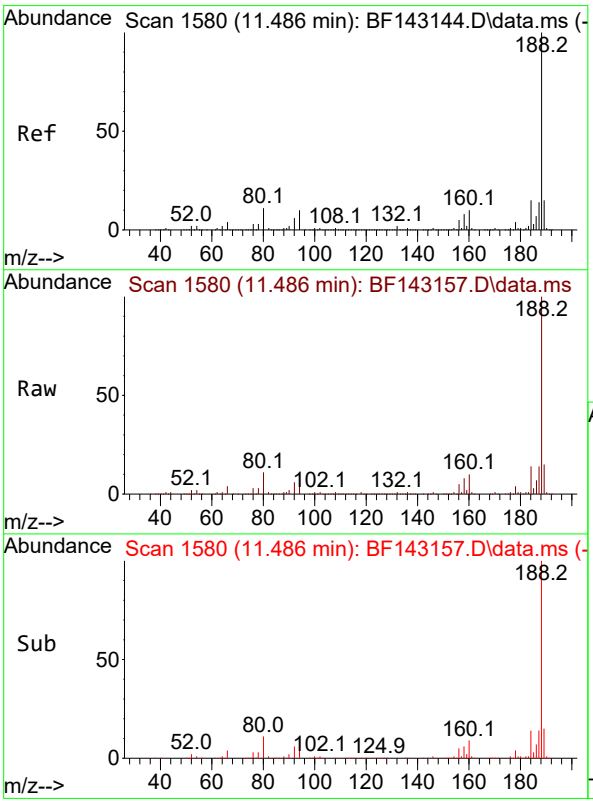
Ion	Ratio	Lower	Upper
77	100		
182	24.8	4.6	44.6
105	21.5	1.4	41.4
51	33.3	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

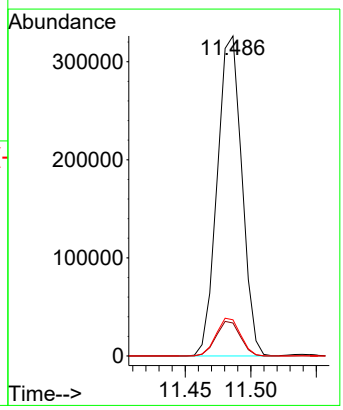
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

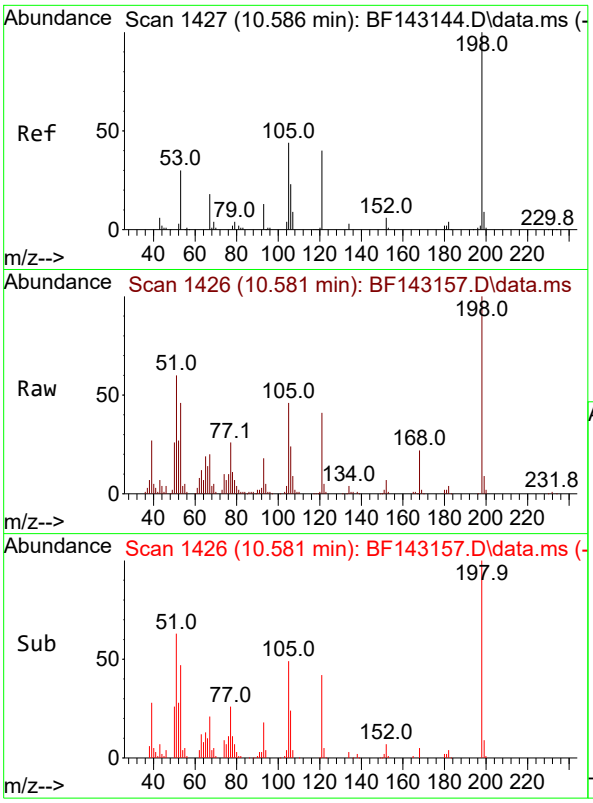


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:188 Resp: 425499

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.3	12.5
80	11.3	9.0	13.6

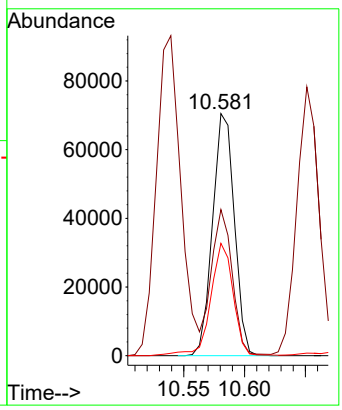




#65
4,6-Dinitro-2-methylphenol
Concen: 40.354 ng
RT: 10.581 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:198 Resp: 8784

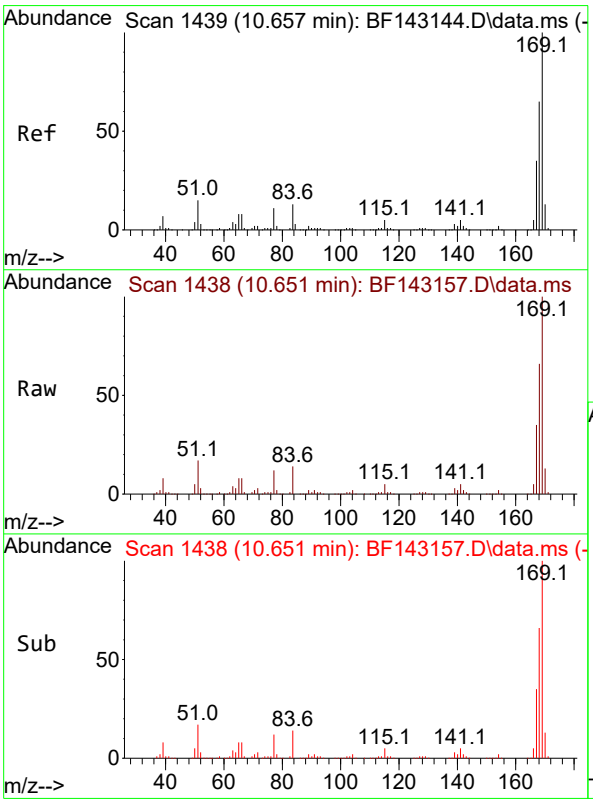
Ion	Ratio	Lower	Upper
198	100		
51	60.4	37.2	77.2
105	46.4	24.8	64.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

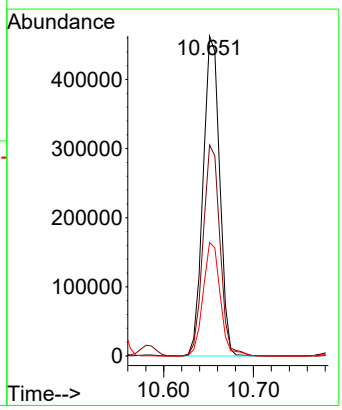
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

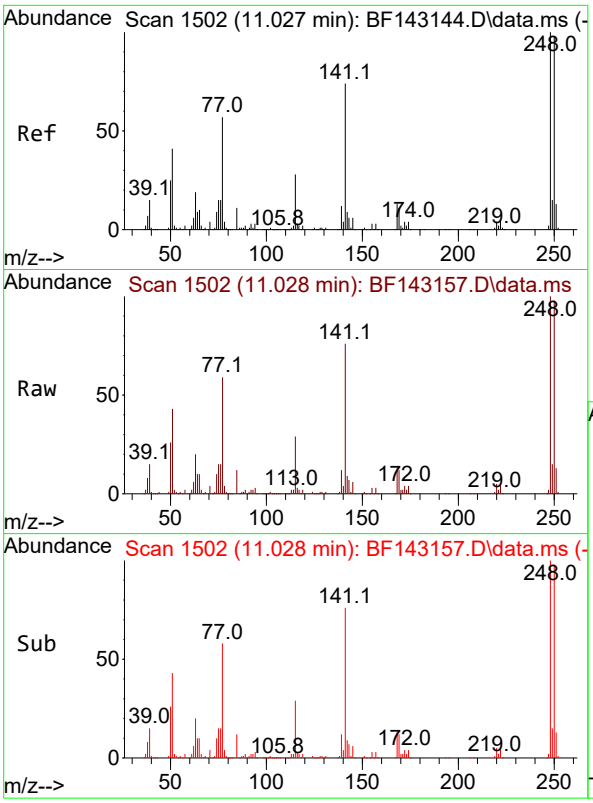


#66
n-Nitrosodiphenylamine
Concen: 39.557 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:169 Resp: 592682

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.1	78.1
167	35.5	28.2	42.2

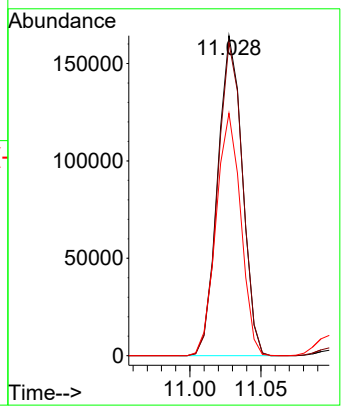




#67
4-Bromophenyl-phenylether
Concen: 39.069 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:248 Resp: 19811

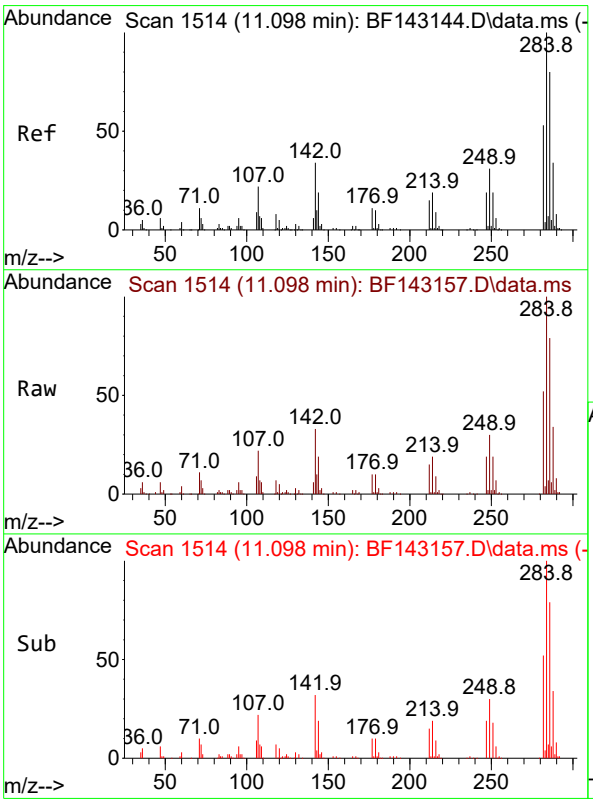
Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	75.7	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

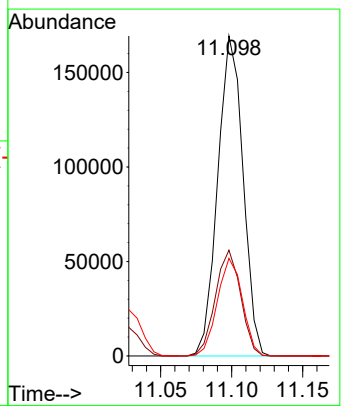
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

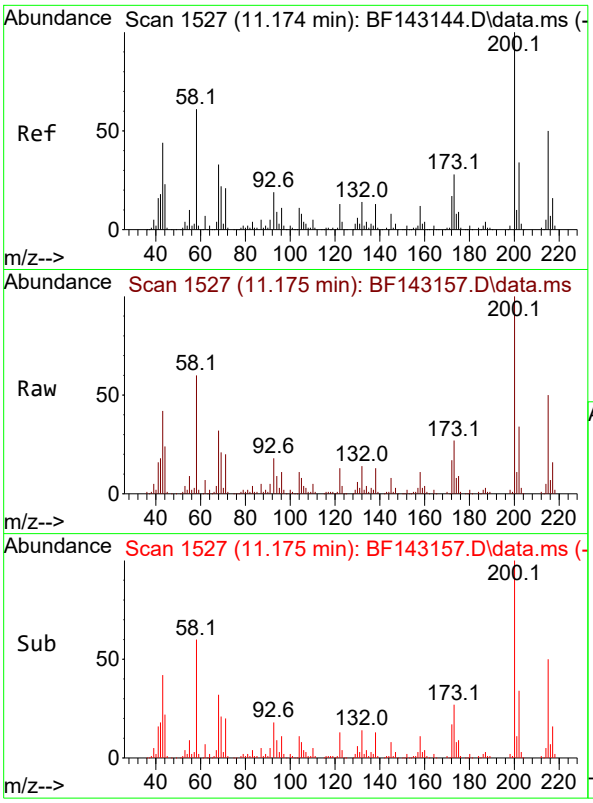


#68
Hexachlorobenzene
Concen: 39.472 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:284 Resp: 209203

Ion	Ratio	Lower	Upper
284	100		
142	33.1	27.0	40.6
249	30.5	25.0	37.6

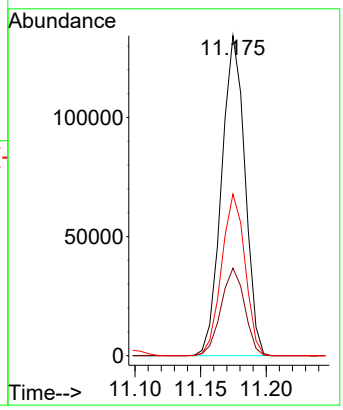




#69
Atrazine
Concen: 40.279 ng
RT: 11.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:200 Resp: 16638

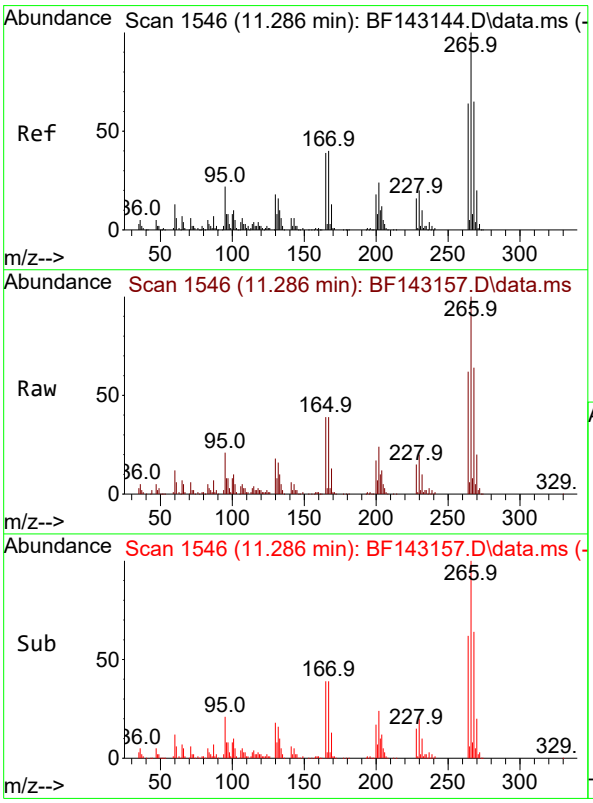
Ion	Ratio	Lower	Upper
200	100		
173	27.3	7.9	47.9
215	50.5	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

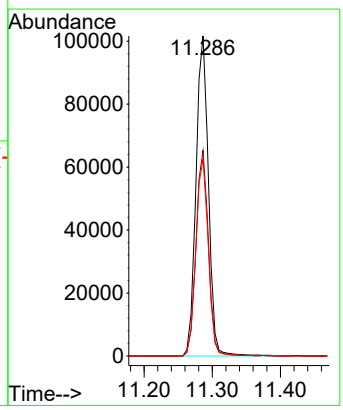
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

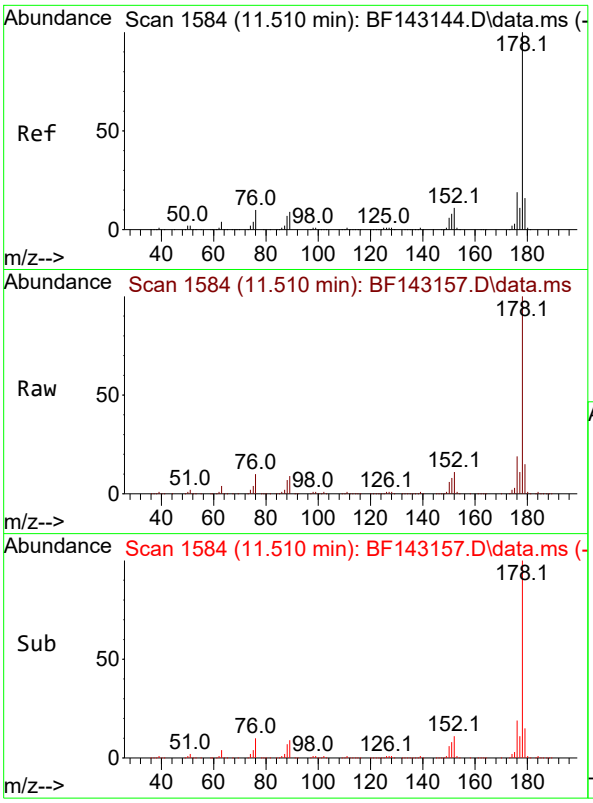


#70
Pentachlorophenol
Concen: 41.309 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:266 Resp: 128754

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.9	77.9
264	61.6	51.0	76.6

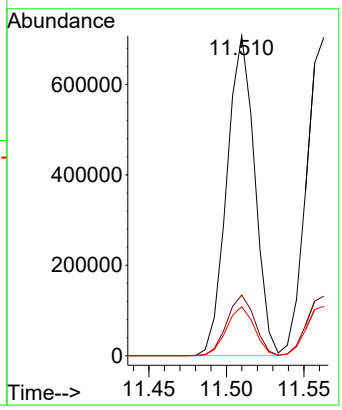




#71
Phenanthrene
Concen: 39.066 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:178 Resp: 88261

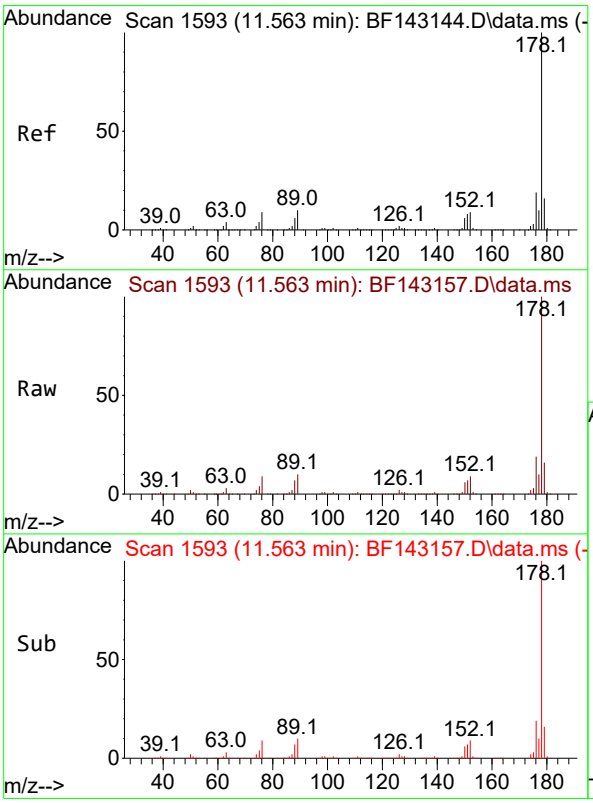
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

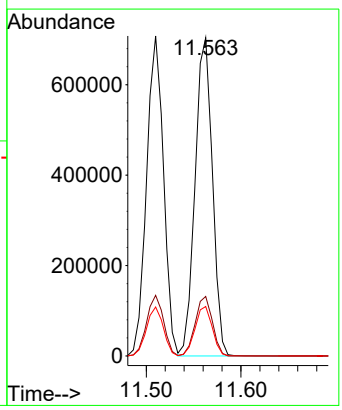
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

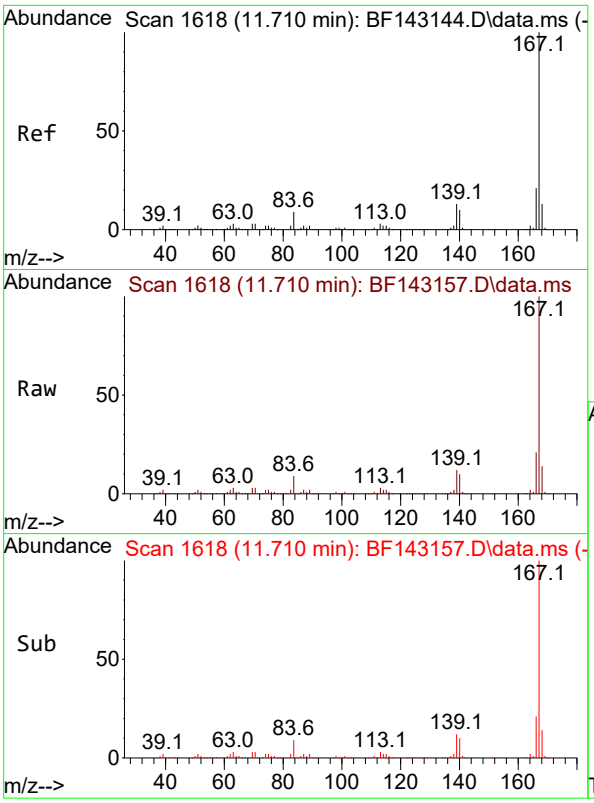


#72
Anthracene
Concen: 38.898 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:178 Resp: 896290

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.5	18.7

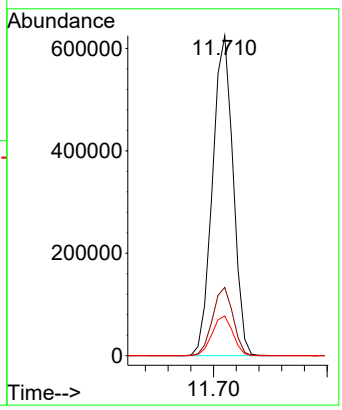




#73
Carbazole
Concen: 39.121 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:167 Resp: 78712

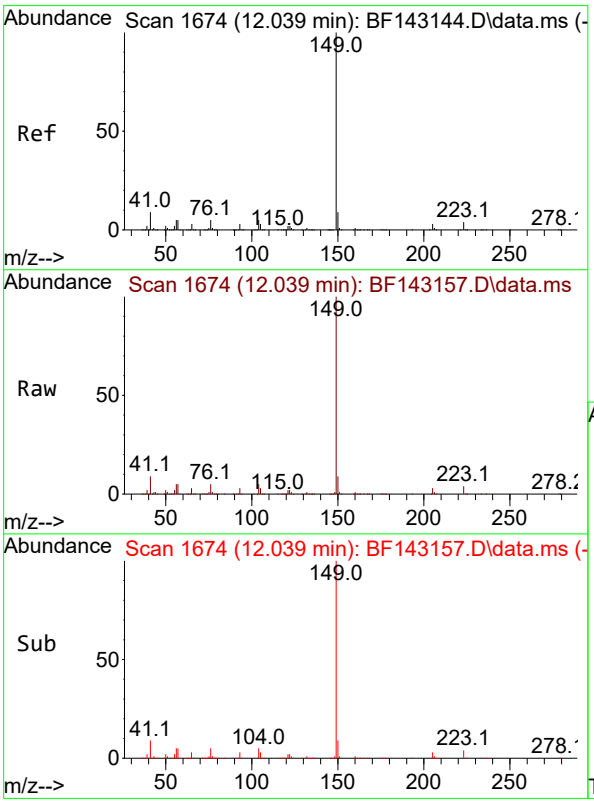
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.4	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

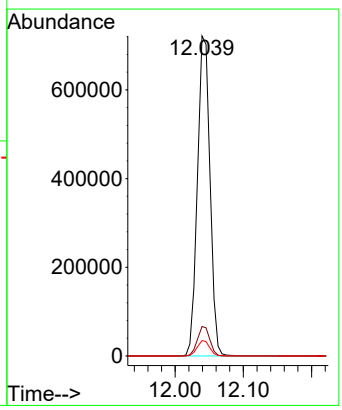
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

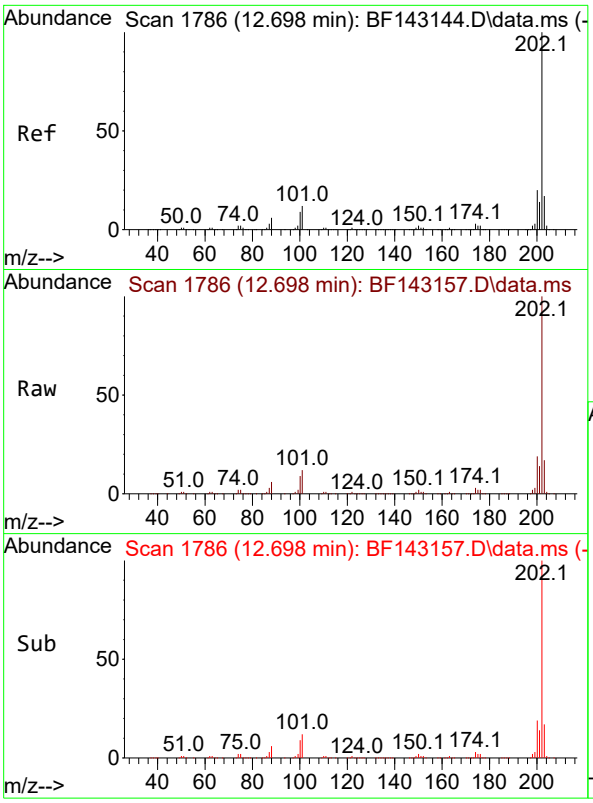


#74
Di-n-butylphthalate
Concen: 40.539 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 922904

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.8	3.8	5.8

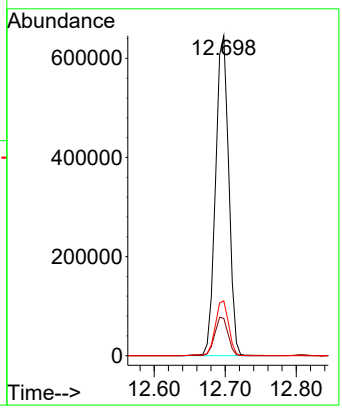




#75
Fluoranthene
Concen: 39.910 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:202 Resp: 82762

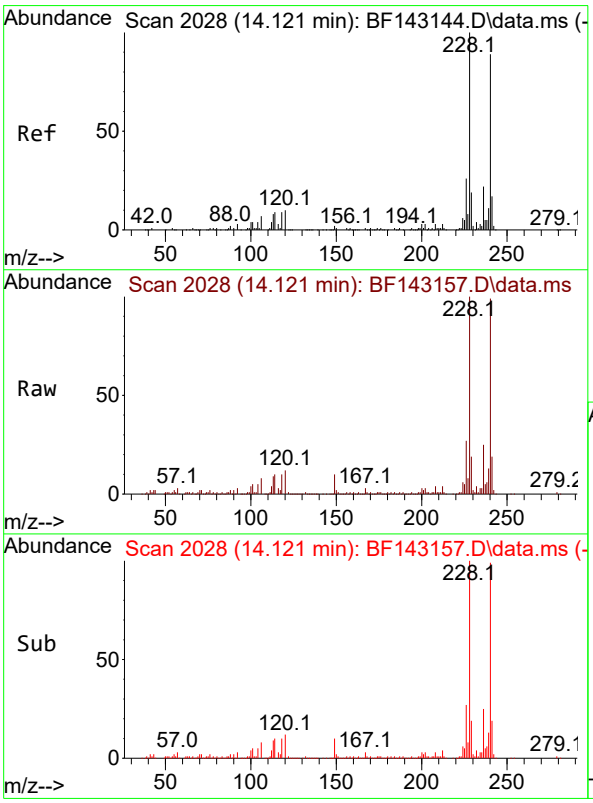
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.2	0.0	37.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

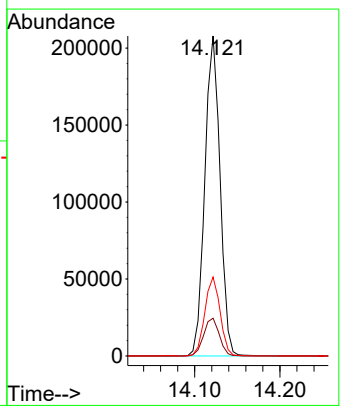
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

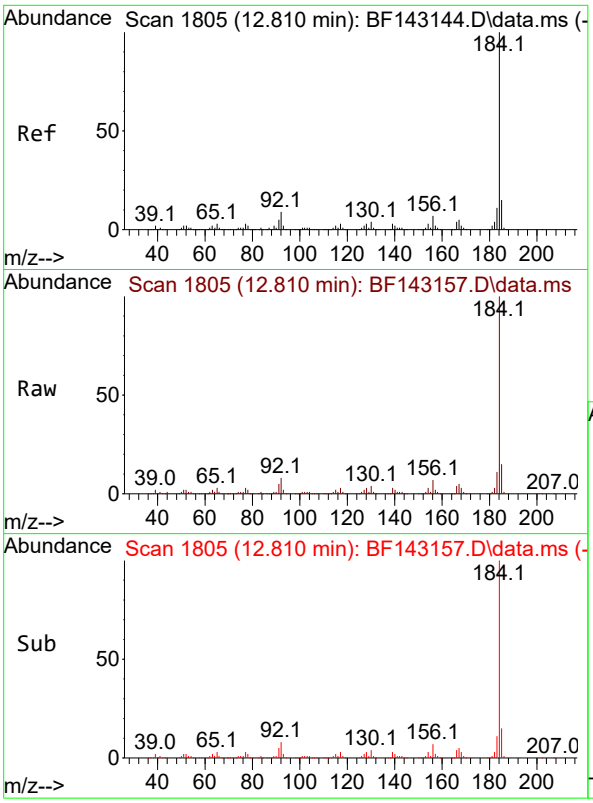


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:240 Resp: 257557

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	24.7	20.2	30.4

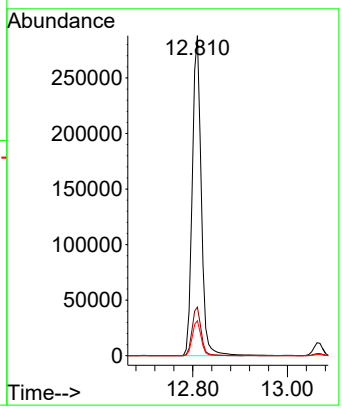




#77
Benzidine
Concen: 38.169 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

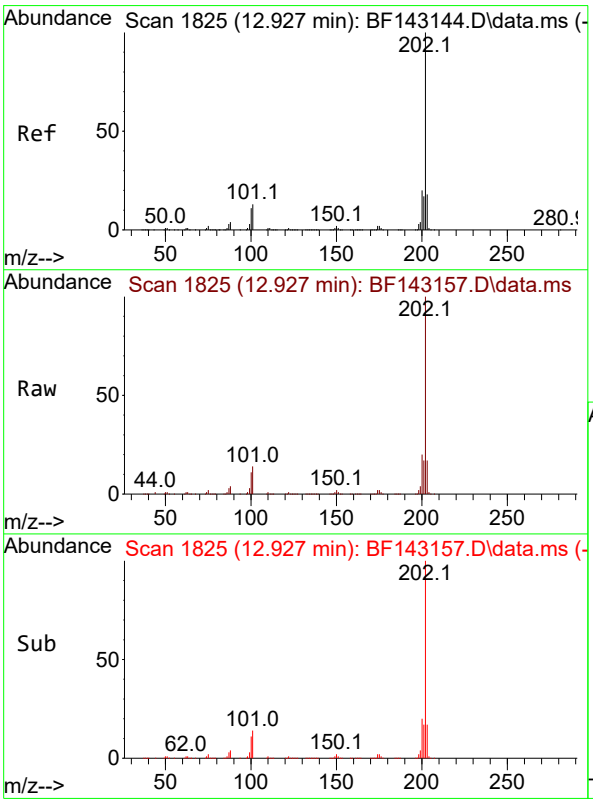
Tgt Ion:184 Resp: 37875

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.4
183	10.9	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

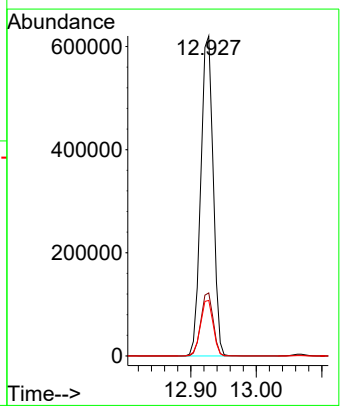
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

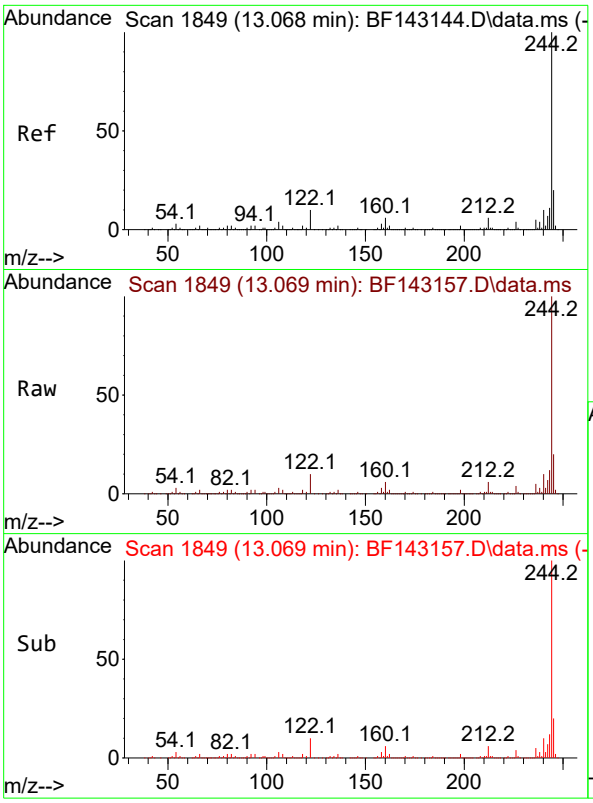


#78
Pyrene
Concen: 37.150 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:202 Resp: 816607

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.4	14.2	21.2

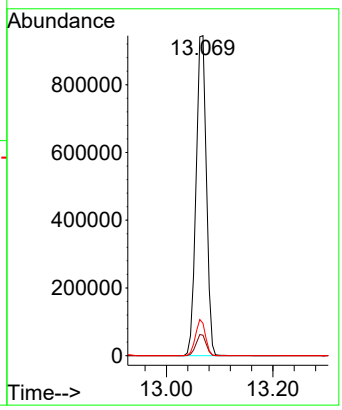




#79
Terphenyl-d14
Concen: 73.478 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:244 Resp: 127173

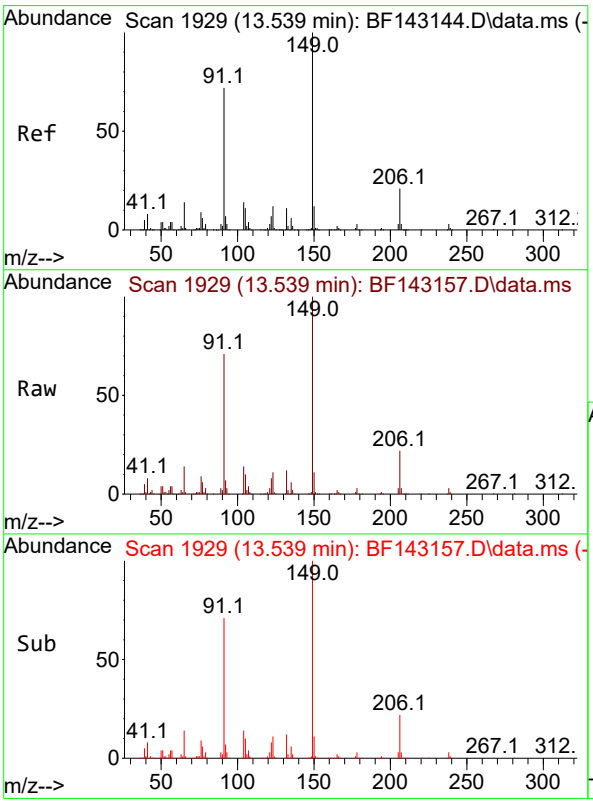
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.1	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

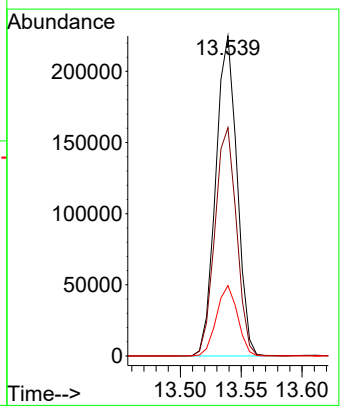
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

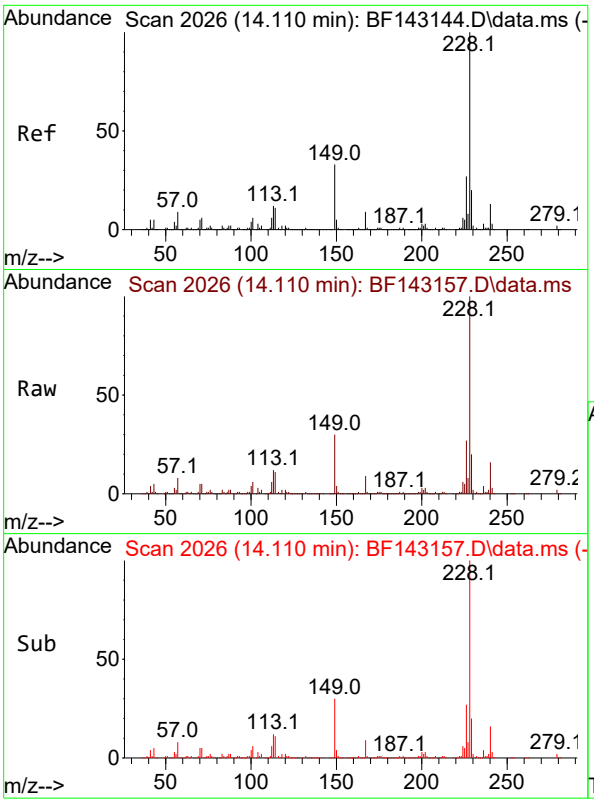


#80
Butylbenzylphthalate
Concen: 40.736 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 274194

Ion	Ratio	Lower	Upper
149	100		
91	71.3	57.9	86.9
206	22.0	17.0	25.4

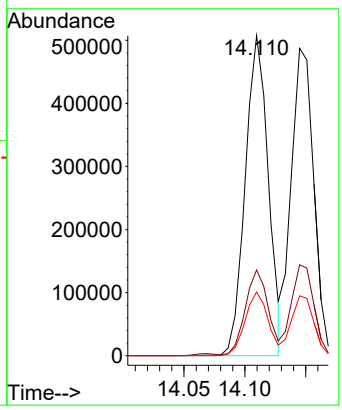




#81
Benzo(a)anthracene
Concen: 38.779 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:228 Resp: 66869

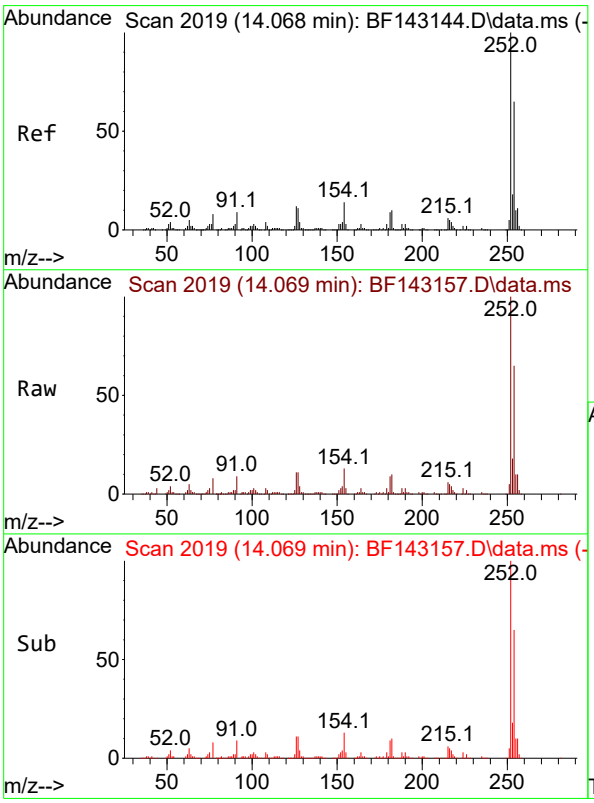
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.9	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

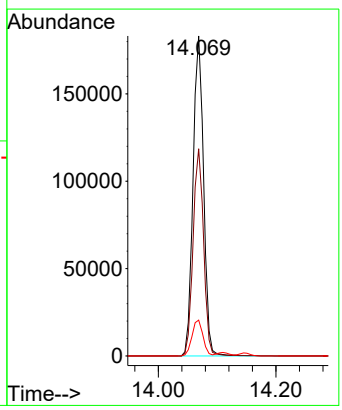
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

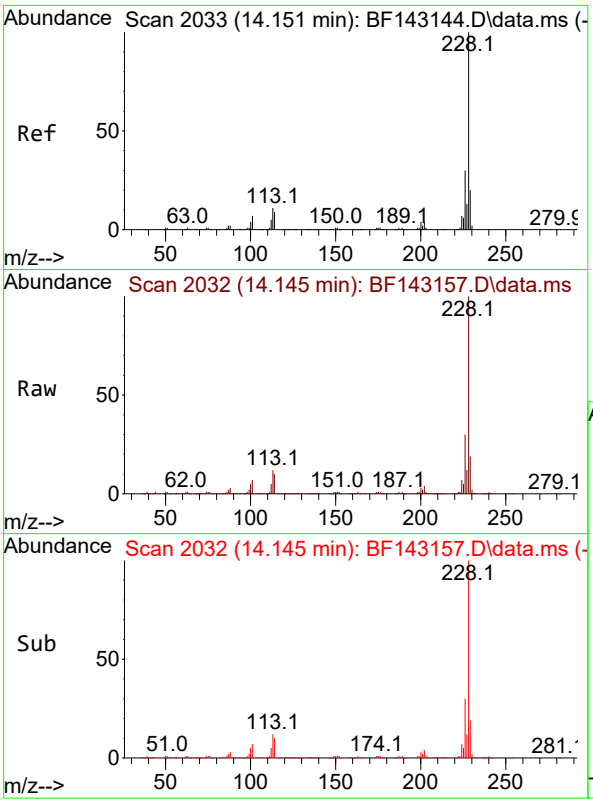


#82
3,3'-Dichlorobenzidine
Concen: 39.609 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 227633

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.2	9.4	14.0

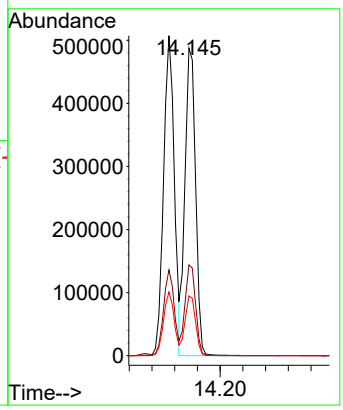




#83
Chrysene
Concen: 40.721 ng
RT: 14.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:228 Resp: 63131

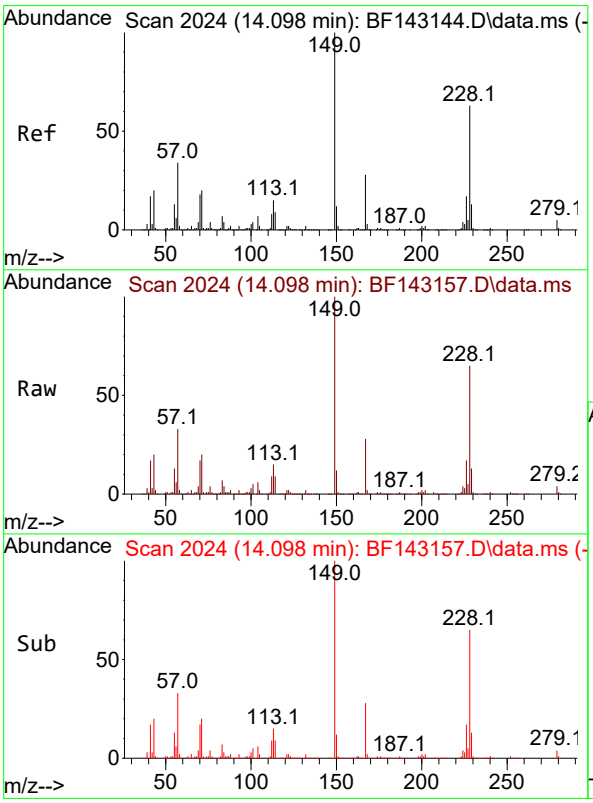
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	19.5	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

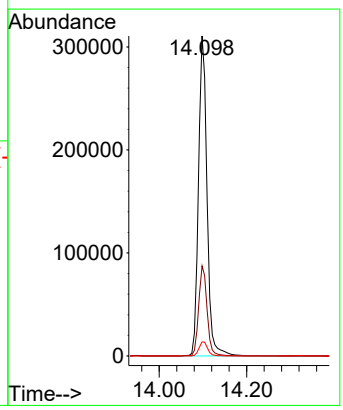
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

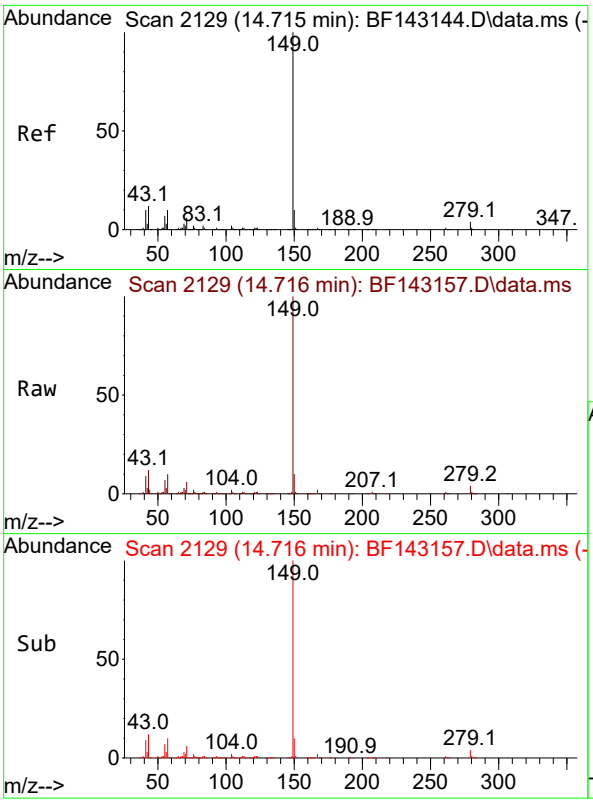


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.499 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 422788

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.4	3.6	5.4

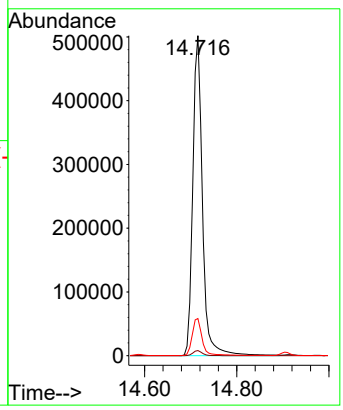




#85
Di-n-octyl phthalate
Concen: 39.529 ng
RT: 14.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 72998

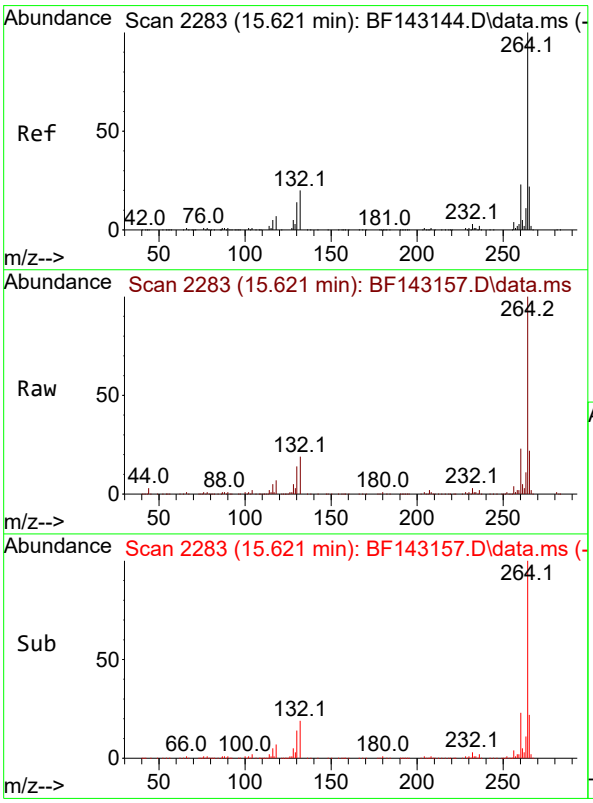
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.0	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

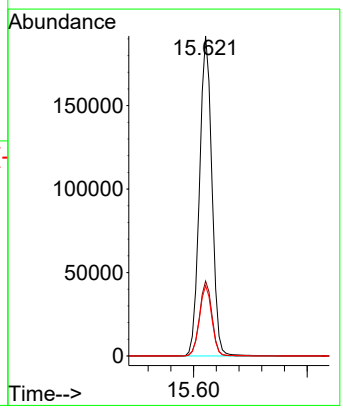
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

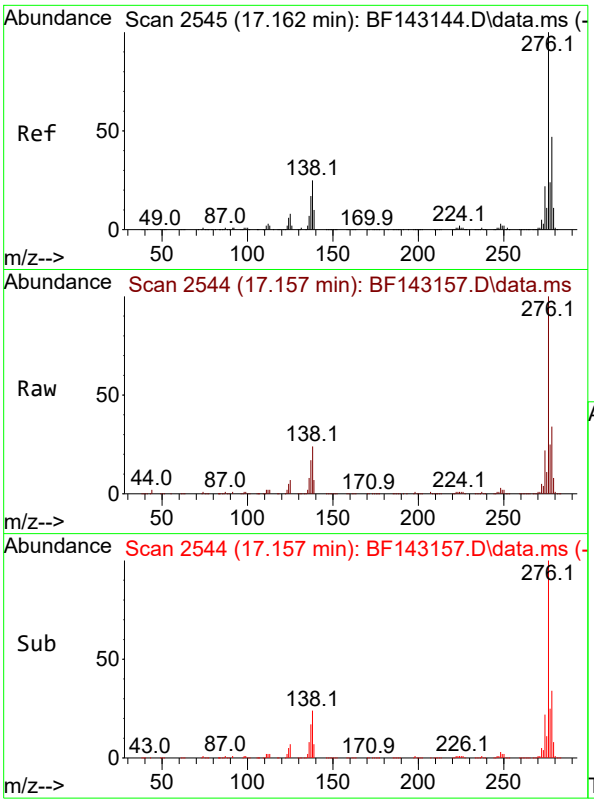


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:264 Resp: 290483

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.0	17.4	26.2

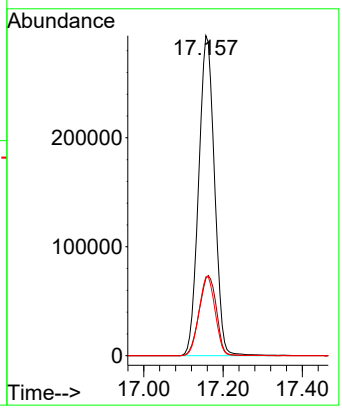




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.776 ng
RT: 17.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:276 Resp: 81473

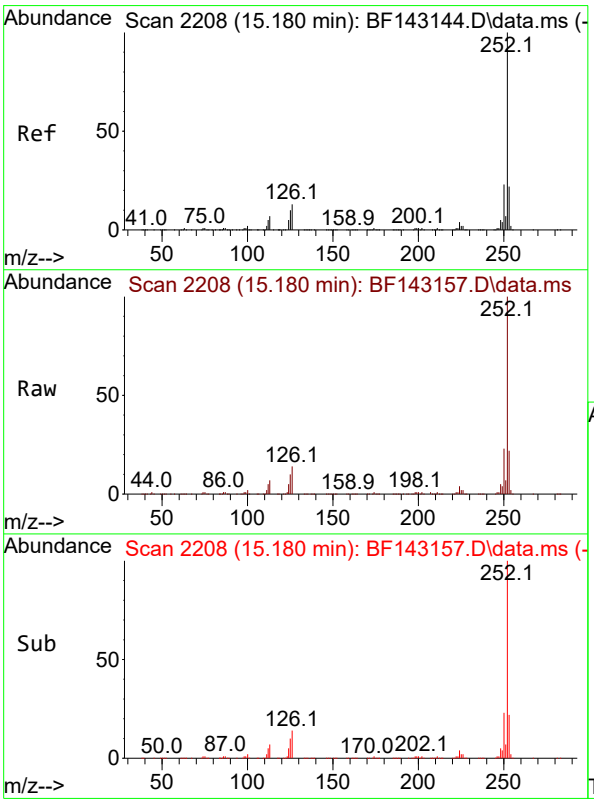
Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.8	32.6
277	25.3	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

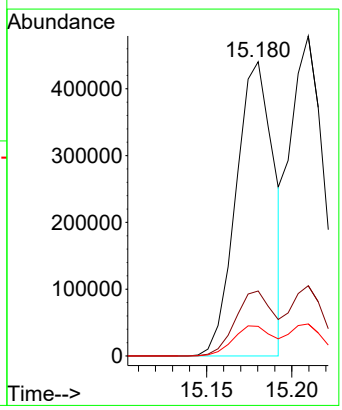
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

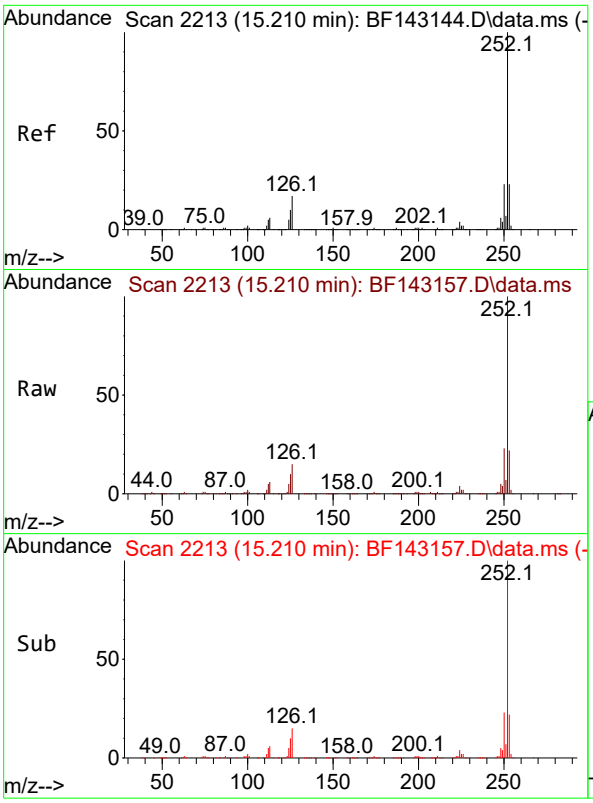


#88
Benzo(b)fluoranthene
Concen: 38.184 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 677603

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.1	8.0	12.0

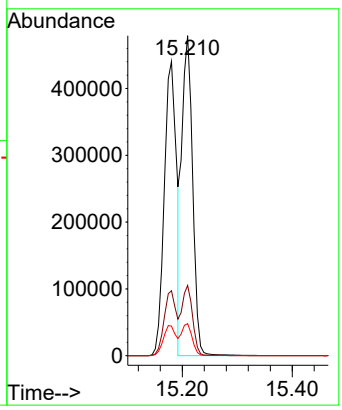




#89
Benzo(k)fluoranthene
Concen: 41.247 ng
RT: 15.210 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

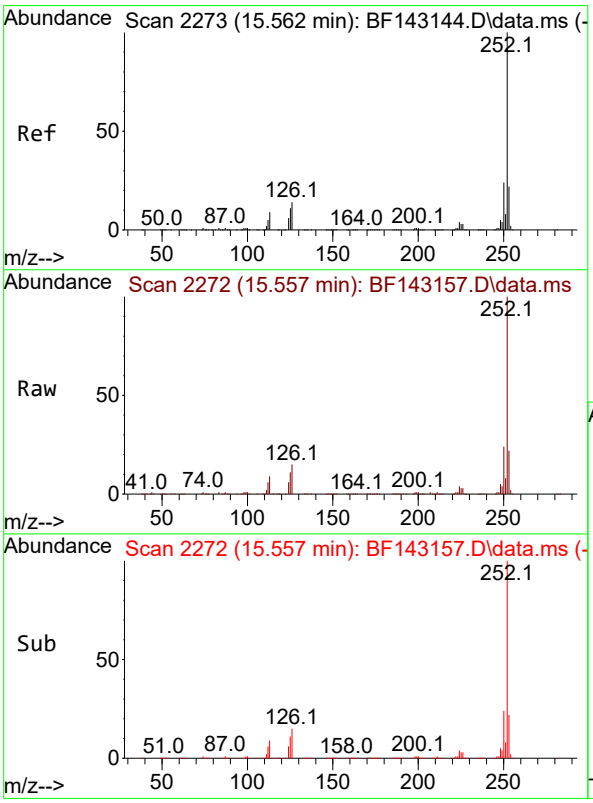
Tgt Ion:252 Resp: 65317

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.0	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

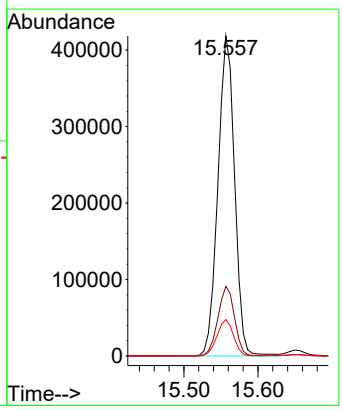
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

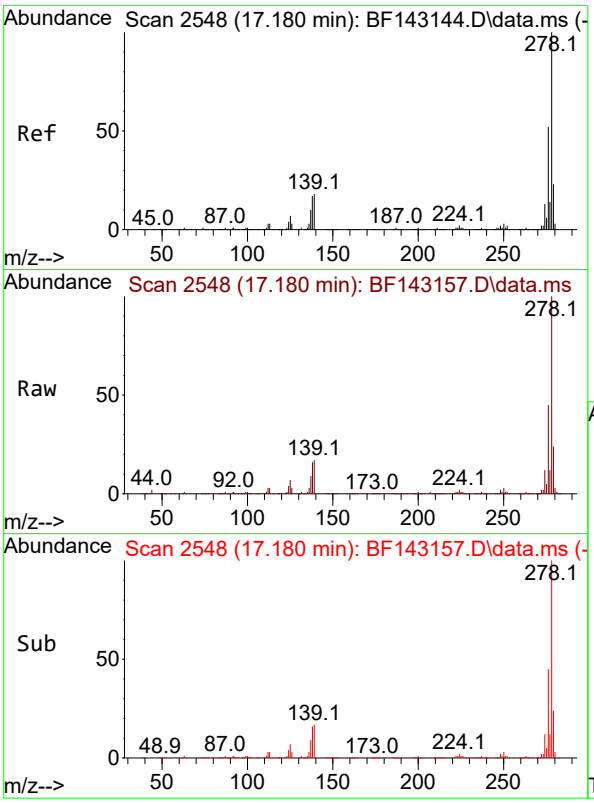


#90
Benzo(a)pyrene
Concen: 40.042 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 654692

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.4	8.6	13.0

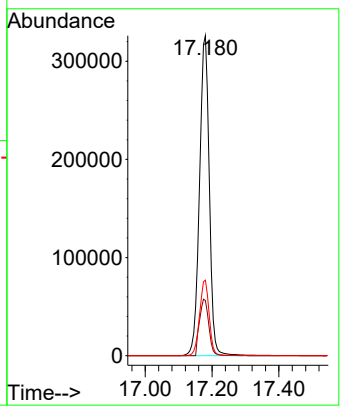




#91
Dibenzo(a,h)anthracene
Concen: 39.916 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:278 Resp: 66547

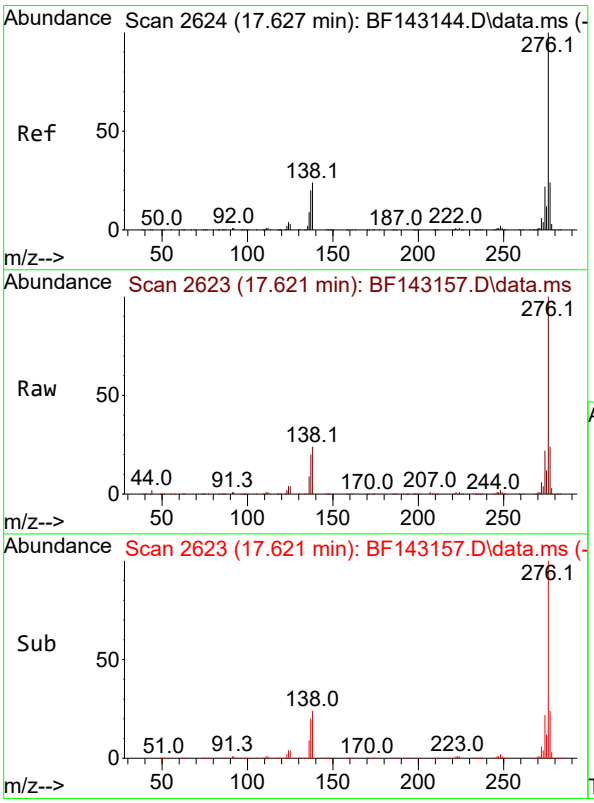
Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.1	21.1
279	23.6	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

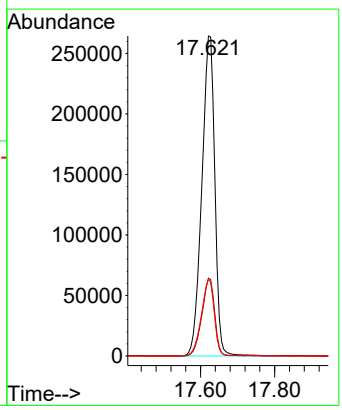
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 39.950 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:276 Resp: 644277

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	24.0	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	83	0.00
2		1,4-Dioxane	0.598	0.599	-0.2	83	-0.02
3		Pyridine	1.552	1.507	2.9	82	-0.01
4		n-Nitrosodimethylamine	0.801	0.796	0.6	82	-0.02
5	S	2-Fluorophenol	1.264	1.230	2.7	83	0.00
6		Aniline	2.217	2.189	1.3	83	0.00
7	S	Phenol-d6	1.591	1.557	2.1	83	0.00
8		2-Chlorophenol	1.325	1.316	0.7	83	0.00
9		Benzaldehyde	1.193	1.310	-9.8	75	0.00
10	C	Phenol	1.733	1.708	1.4	83	0.00
11		bis(2-Chloroethyl)ether	1.327	1.314	1.0	84	0.00
12		1,3-Dichlorobenzene	1.439	1.406	2.3	83	0.00
13	C	1,4-Dichlorobenzene	1.449	1.414	2.4	83	0.00
14		1,2-Dichlorobenzene	1.378	1.358	1.5	84	0.00
15		Benzyl Alcohol	1.215	1.203	1.0	82	0.00
16		2,2'-oxybis(1-Chloropropane	2.461	2.443	0.7	84	0.00
17		2-Methylphenol	1.114	1.094	1.8	83	0.00
18		Hexachloroethane	0.502	0.508	-1.2	85	0.00
19	P	n-Nitroso-di-n-propylamine	1.021	0.984	3.6	83	0.00
20		3+4-Methylphenols	1.351	1.375	-1.8	85	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22		Acetophenone	0.474	0.454	4.2	83	0.00
23	S	Nitrobenzene-d5	0.401	0.417	-4.0	88	0.00
24		Nitrobenzene	0.374	0.372	0.5	83	0.00
25		Isophorone	0.708	0.685	3.2	83	0.00
26	C	2-Nitrophenol	0.162	0.175	-8.0	85	0.00
27		2,4-Dimethylphenol	0.331	0.322	2.7	83	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.412	3.1	84	0.00
29	C	2,4-Dichlorophenol	0.279	0.273	2.2	83	0.00
30		1,2,4-Trichlorobenzene	0.302	0.293	3.0	84	0.00
31		Naphthalene	0.985	0.957	2.8	84	0.00
32		Benzoic acid	0.169	0.172	-1.8	80	-0.01
33		4-Chloroaniline	0.402	0.384	4.5	82	0.00
34	C	Hexachlorobutadiene	0.184	0.182	1.1	84	0.00
35		Caprolactam	0.084	0.084	0.0	81	-0.01
36	C	4-Chloro-3-methylphenol	0.303	0.293	3.3	82	0.00
37		2-Methylnaphthalene	0.599	0.577	3.7	83	0.00
38		1-Methylnaphthalene	0.617	0.601	2.6	84	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	0.577	0.565	2.1	83	0.00
41	P	Hexachlorocyclopentadiene	0.376	0.384	-2.1	84	0.00
42	S	2,4,6-Tribromophenol	0.207	0.205	1.0	79	0.00
43	C	2,4,6-Trichlorophenol	0.400	0.389	2.8	82	0.00
44		2,4,5-Trichlorophenol	0.400	0.408	-2.0	82	0.00
45	S	2-Fluorobiphenyl	1.462	1.408	3.7	84	0.00
46		1,1'-Biphenyl	1.560	1.541	1.2	84	0.00
47		2-Chloronaphthalene	1.155	1.125	2.6	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	0.362	0.382	-5.5	82	0.00
49		Acenaphthylene	1.935	1.894	2.1	83	0.00
50		Dimethylphthalate	1.304	1.282	1.7	81	0.00
51		2,6-Dinitrotoluene	0.265	0.279	-5.3	82	0.00
52	C	Acenaphthene	1.144	1.122	1.9	83	0.00
53		3-Nitroaniline	0.310	0.310	0.0	80	0.00
54	P	2,4-Dinitrophenol	0.098	0.109	-11.2	85	0.00
55		Dibenzofuran	1.698	1.649	2.9	82	0.00
56	P	4-Nitrophenol	0.232	0.232	0.0	77	0.00
57		2,4-Dinitrotoluene	0.333	0.349	-4.8	80	0.00
58		Fluorene	1.274	1.212	4.9	81	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.330	0.3	81	0.00
60		Diethylphthalate	1.289	1.259	2.3	81	0.00
61		4-Chlorophenyl-phenylether	0.635	0.618	2.7	82	0.00
62		4-Nitroaniline	0.266	0.262	1.5	76	0.00
63		Azobenzene	1.343	1.309	2.5	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	78	0.00
65		4,6-Dinitro-2-methylphenol	0.094	0.103	-9.6	83	0.00
66	c	n-Nitrosodiphenylamine	0.704	0.696	1.1	81	0.00
67		4-Bromophenyl-phenylether	0.238	0.233	2.1	80	0.00
68		Hexachlorobenzene	0.249	0.246	1.2	81	0.00
69		Atrazine	0.194	0.196	-1.0	78	0.00
70	C	Pentachlorophenol	0.147	0.151	-2.7	80	0.00
71		Phenanthrene	1.062	1.037	2.4	80	0.00
72		Anthracene	1.083	1.053	2.8	80	0.00
73		Carbazole	0.946	0.925	2.2	78	0.00
74		Di-n-butylphthalate	1.070	1.084	-1.3	79	0.00
75	C	Fluoranthene	0.975	0.973	0.2	80	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	87	0.00
77		Benzidine	0.771	0.735	4.7	67	0.00
78		Pyrene	1.707	1.585	7.1	80	0.00
79	S	Terphenyl-d14	1.344	1.234	8.2	82	0.00
80		Butylbenzylphthalate	0.523	0.532	-1.7	85	0.00
81		Benzo(a)anthracene	1.339	1.298	3.1	88	0.00
82		3,3'-Dichlorobenzidine	0.446	0.442	0.9	90	0.00
83		Chrysene	1.204	1.226	-1.8	88	0.00
84		Bis(2-ethylhexyl)phthalate	0.791	0.821	-3.8	90	0.00
85	c	Di-n-octyl phthalate	1.434	1.417	1.2	89	0.00
86	I	Perylene-d12	1.000	1.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	1.410	1.402	0.6	89	0.00
88		Benzo(b)fluoranthene	1.222	1.166	4.6	91	0.00
89		Benzo(k)fluoranthene	1.090	1.124	-3.1	89	0.00
90	C	Benzo(a)pyrene	1.126	1.127	-0.1	90	0.00
91		Dibenzo(a,h)anthracene	1.148	1.145	0.3	90	0.00
92		Benzo(g,h,i)perylene	1.110	1.109	0.1	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	83	0.00
2		1,4-Dioxane	40.000	40.040	-0.1	83	-0.02
3		Pyridine	40.000	38.834	2.9	82	-0.01
4		n-Nitrosodimethylamine	40.000	39.723	0.7	82	-0.02
5	S	2-Fluorophenol	80.000	77.881	2.6	83	0.00
6		Aniline	40.000	39.488	1.3	83	0.00
7	S	Phenol-d6	80.000	78.288	2.1	83	0.00
8		2-Chlorophenol	40.000	39.743	0.6	83	0.00
9		Benzaldehyde	40.000	43.912	-9.8	75	0.00
10	C	Phenol	40.000	39.425	1.4	83	0.00
11		bis(2-Chloroethyl)ether	40.000	39.624	0.9	84	0.00
12		1,3-Dichlorobenzene	40.000	39.082	2.3	83	0.00
13	C	1,4-Dichlorobenzene	40.000	39.023	2.4	83	0.00
14		1,2-Dichlorobenzene	40.000	39.413	1.5	84	0.00
15		Benzyl Alcohol	40.000	39.613	1.0	82	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.695	0.8	84	0.00
17		2-Methylphenol	40.000	39.283	1.8	83	0.00
18		Hexachloroethane	40.000	40.502	-1.3	85	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.561	3.6	83	0.00
20		3+4-Methylphenols	40.000	40.698	-1.7	85	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22		Acetophenone	40.000	38.334	4.2	83	0.00
23	S	Nitrobenzene-d5	80.000	83.120	-3.9	88	0.00
24		Nitrobenzene	40.000	39.799	0.5	83	0.00
25		Isophorone	40.000	38.662	3.3	83	0.00
26	C	2-Nitrophenol	40.000	43.005	-7.5	85	0.00
27		2,4-Dimethylphenol	40.000	38.914	2.7	83	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.785	3.0	84	0.00
29	C	2,4-Dichlorophenol	40.000	39.168	2.1	83	0.00
30		1,2,4-Trichlorobenzene	40.000	38.870	2.8	84	0.00
31		Naphthalene	40.000	38.883	2.8	84	0.00
32		Benzoic acid	40.000	38.171	4.6	80	-0.01
33		4-Chloroaniline	40.000	38.161	4.6	82	0.00
34	C	Hexachlorobutadiene	40.000	39.537	1.2	84	0.00
35		Caprolactam	40.000	39.790	0.5	81	-0.01
36	C	4-Chloro-3-methylphenol	40.000	38.598	3.5	82	0.00
37		2-Methylnaphthalene	40.000	38.490	3.8	83	0.00
38		1-Methylnaphthalene	40.000	38.919	2.7	84	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	81	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.116	2.2	83	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.834	-2.1	84	0.00
42	S	2,4,6-Tribromophenol	80.000	79.508	0.6	79	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.954	2.6	82	0.00
44		2,4,5-Trichlorophenol	40.000	40.808	-2.0	82	0.00
45	S	2-Fluorobiphenyl	80.000	77.029	3.7	84	0.00
46		1,1'-Biphenyl	40.000	39.502	1.2	84	0.00
47		2-Chloronaphthalene	40.000	38.970	2.6	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	42.151	-5.4	82	0.00
49		Acenaphthylene	40.000	39.148	2.1	83	0.00
50		Dimethylphthalate	40.000	39.347	1.6	81	0.00
51		2,6-Dinitrotoluene	40.000	42.067	-5.2	82	0.00
52	C	Acenaphthene	40.000	39.237	1.9	83	0.00
53		3-Nitroaniline	40.000	40.028	-0.1	80	0.00
54	P	2,4-Dinitrophenol	40.000	39.960	0.1	85	0.00
55		Dibenzofuran	40.000	38.841	2.9	82	0.00
56	P	4-Nitrophenol	40.000	40.040	-0.1	77	0.00
57		2,4-Dinitrotoluene	40.000	41.945	-4.9	80	0.00
58		Fluorene	40.000	38.045	4.9	81	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.875	0.3	81	0.00
60		Diethylphthalate	40.000	39.088	2.3	81	0.00
61		4-Chlorophenyl-phenylether	40.000	38.975	2.6	82	0.00
62		4-Nitroaniline	40.000	39.478	1.3	76	0.00
63		Azobenzene	40.000	38.986	2.5	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	78	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.354	-0.9	83	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.557	1.1	81	0.00
67		4-Bromophenyl-phenylether	40.000	39.069	2.3	80	0.00
68		Hexachlorobenzene	40.000	39.472	1.3	81	0.00
69		Atrazine	40.000	40.279	-0.7	78	0.00
70	C	Pentachlorophenol	40.000	41.309	-3.3	80	0.00
71		Phenanthrene	40.000	39.066	2.3	80	0.00
72		Anthracene	40.000	38.898	2.8	80	0.00
73		Carbazole	40.000	39.121	2.2	78	0.00
74		Di-n-butylphthalate	40.000	40.539	-1.3	79	0.00
75	C	Fluoranthene	40.000	39.910	0.2	80	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	87	0.00
77		Benzidine	40.000	38.169	4.6	67	0.00
78		Pyrene	40.000	37.150	7.1	80	0.00
79	S	Terphenyl-d14	80.000	73.478	8.2	82	0.00
80		Butylbenzylphthalate	40.000	40.736	-1.8	85	0.00
81		Benzo(a)anthracene	40.000	38.779	3.1	88	0.00
82		3,3'-Dichlorobenzidine	40.000	39.609	1.0	90	0.00
83		Chrysene	40.000	40.721	-1.8	88	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.499	-3.7	90	0.00
85	c	Di-n-octyl phthalate	40.000	39.529	1.2	89	0.00
86	I	Perylene-d12	20.000	20.000	0.0	90	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.776	0.6	89	0.00
88		Benzo(b)fluoranthene	40.000	38.184	4.5	91	0.00
89		Benzo(k)fluoranthene	40.000	41.247	-3.1	89	0.00
90	C	Benzo(a)pyrene	40.000	40.042	-0.1	90	0.00
91		Dibenzo(a,h)anthracene	40.000	39.916	0.2	90	0.00
92		Benzo(g,h,i)perylene	40.000	39.950	0.1	90	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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: NOBI03

Lab Code: ACE SDG No.: Q2555

Instrument ID: BNA_F Calibration Date/Time: 07/22/2025 08:46

Lab File ID: BF143177.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.232		-2.5	
Phenol-d6	1.591	1.553		-2.4	
Nitrobenzene-d5	0.401	0.400		-0.2	
Naphthalene	0.985	0.952		-3.3	
2-Methylnaphthalene	0.599	0.584		-2.5	
2-Fluorobiphenyl	1.462	1.361		-6.9	
Acenaphthylene	1.935	1.864		-3.7	
Acenaphthene	1.144	1.105		-3.4	20.0
Fluorene	1.274	1.229		-3.5	
2,4,6-Tribromophenol	0.207	0.215		3.9	
Phenanthrene	1.062	1.023		-3.7	
Anthracene	1.083	1.044		-3.6	
Fluoranthene	0.975	1.003		2.9	20.0
Pyrene	1.707	1.892		10.8	
Terphenyl-d14	1.344	1.450		7.9	
Benzo(a)anthracene	1.339	1.294		-3.4	
Chrysene	1.204	1.190		-1.2	
Benzo(b)fluoranthene	1.222	1.268		3.8	
Benzo(k)fluoranthene	1.090	0.989		-9.3	
Benzo(a)pyrene	1.126	1.116		-0.9	20.0
Indeno(1,2,3-cd)pyrene	1.410	1.410		0.0	
Dibenzo(a,h)anthracene	1.148	1.153		0.4	
Benzo(g,h,i)perylene	1.110	1.136		2.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	137586	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	540273	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	287067	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	481775	20.000	ng		0.00
76) Chrysene-d12	14.127	240	251217	20.000	ng		0.00
86) Perylene-d12	15.633	264	256275	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	677807	77.959	ng		0.00
7) Phenol-d6	6.587	99	854417	78.075	ng		0.00
23) Nitrobenzene-d5	7.522	82	865138	79.820	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	246542	83.135	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1563287	74.477	ng		0.00
79) Terphenyl-d14	13.069	244	1456637	86.285	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	160989	39.132	ng		99
3) Pyridine	3.593	79	412780	38.657	ng		100
4) n-Nitrosodimethylamine	3.534	42	217539	39.459	ng		100
6) Aniline	6.628	93	597655	39.186	ng		99
8) 2-Chlorophenol	6.751	128	362170	39.740	ng		97
9) Benzaldehyde	6.522	77	1059534	129.116	ng		98
10) Phenol	6.598	94	494165	41.450	ng		98
11) bis(2-Chloroethyl)ether	6.692	93	355973	38.997	ng		99
12) 1,3-Dichlorobenzene	6.910	146	386885	39.079	ng		98
13) 1,4-Dichlorobenzene	6.981	146	392969	39.415	ng		100
14) 1,2-Dichlorobenzene	7.134	146	374905	39.536	ng		99
15) Benzyl Alcohol	7.098	79	336956	40.325	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	670842	39.617	ng		99
17) 2-Methylphenol	7.210	107	304327	39.715	ng		99
18) Hexachloroethane	7.481	117	139222	40.337	ng		98
19) n-Nitroso-di-n-propyla...	7.375	70	272545	38.818	ng		98
20) 3+4-Methylphenols	7.363	107	379841	40.856	ng	#	84
22) Acetophenone	7.369	105	488181	38.166	ng		98
24) Nitrobenzene	7.545	77	403502	39.931	ng		100
25) Isophorone	7.781	82	753928	39.403	ng		100
26) 2-Nitrophenol	7.857	139	186034	42.420	ng		98
27) 2,4-Dimethylphenol	7.892	122	348982	39.039	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	444443	38.742	ng		100
29) 2,4-Dichlorophenol	8.098	162	296155	39.284	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	314359	38.597	ng		100
31) Naphthalene	8.269	128	1028678	38.661	ng		100
32) Benzoic acid	7.992	122	210097	42.399	ng		99
33) 4-Chloroaniline	8.310	127	426934	39.296	ng		100
34) Hexachlorobutadiene	8.392	225	193031	38.797	ng		98
35) Caprolactam	8.681	113	99092	43.497	ng		99
36) 4-Chloro-3-methylphenol	8.786	107	328015	40.031	ng		99
37) 2-Methylnaphthalene	8.957	142	630618	38.948	ng		99
38) 1-Methylnaphthalene	9.057	142	657714	39.448	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	311045	37.530	ng		99
41) Hexachlorocyclopentadiene	9.116	237	209543	38.857	ng		99
43) 2,4,6-Trichlorophenol	9.233	196	222071	38.716	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

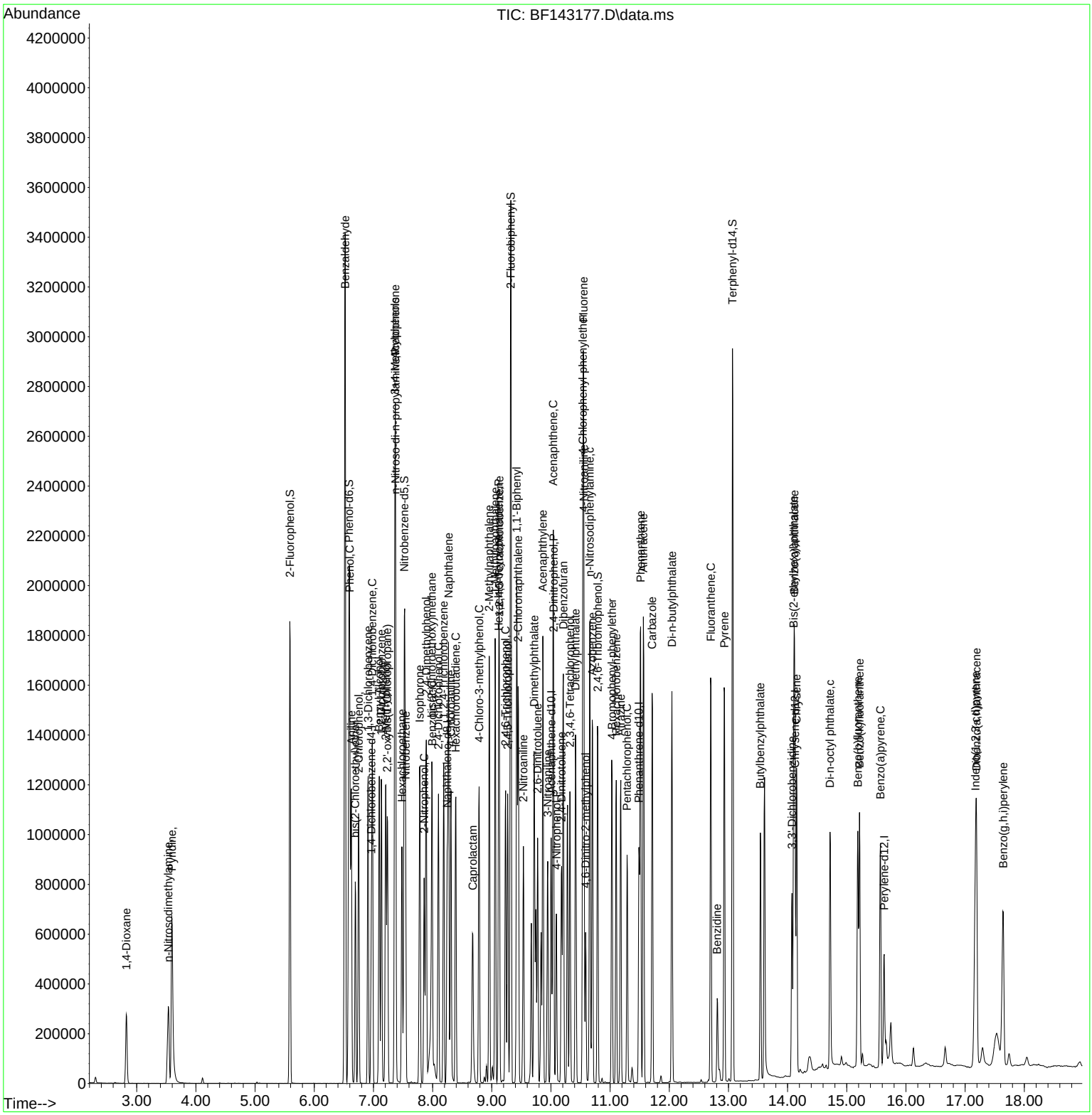
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	227262	39.609	ng	97
46) 1,1'-Biphenyl	9.422	154	852399	38.059	ng	100
47) 2-Chloronaphthalene	9.445	162	630848	38.067	ng	100
48) 2-Nitroaniline	9.533	65	219714	42.277	ng	98
49) Acenaphthylene	9.863	152	1070369	38.541	ng	100
50) Dimethylphthalate	9.716	163	739129	39.501	ng	99
51) 2,6-Dinitrotoluene	9.775	165	163183	42.869	ng	99
52) Acenaphthene	10.039	154	634518	38.656	ng	98
53) 3-Nitroaniline	9.945	138	182622	41.017	ng	99
54) 2,4-Dinitrophenol	10.045	184	68517	43.071	ng	74
55) Dibenzofuran	10.210	168	942628	38.679	ng	99
56) 4-Nitrophenol	10.092	139	136348	41.010	ng	99
57) 2,4-Dinitrotoluene	10.180	165	208497	43.658	ng	95
58) Fluorene	10.551	166	705686	38.582	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	195488	41.130	ng	100
60) Diethylphthalate	10.416	149	745293	40.297	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	355248	39.006	ng	98
62) 4-Nitroaniline	10.557	138	160383	42.030	ng	99
63) Azobenzene	10.698	77	770158	39.955	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	100286	40.643	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647888	38.190	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	217849	37.943	ng	98
68) Hexachlorobenzene	11.104	284	228054	38.002	ng	99
69) Atrazine	11.180	200	194126	41.506	ng	100
70) Pentachlorophenol	11.286	266	146798	41.596	ng	99
71) Phenanthrene	11.516	178	986033	38.546	ng	100
72) Anthracene	11.563	178	1006010	38.560	ng	100
73) Carbazole	11.710	167	905667	39.755	ng	99
74) Di-n-butylphthalate	12.045	149	1085481	42.111	ng	100
75) Fluoranthene	12.704	202	966154	41.148	ng	100
77) Benzidine	12.810	184	218195	22.544	ng	99
78) Pyrene	12.933	202	950663	44.341	ng	99
80) Butylbenzylphthalate	13.539	149	311792	47.491	ng	99
81) Benzo(a)anthracene	14.116	228	650070	38.651	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	215912	38.517	ng	100
83) Chrysene	14.151	228	597875	39.537	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	414006	41.663	ng	100
85) Di-n-octyl phthalate	14.715	149	684937	38.026	ng	100
87) Indeno(1,2,3-cd)pyrene	17.174	276	722484	39.981	ng	99
88) Benzo(b)fluoranthene	15.186	252	649846	41.508	ng	100
89) Benzo(k)fluoranthene	15.215	252	507153	36.301	ng	99
90) Benzo(a)pyrene	15.568	252	571955	39.651	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	590913	40.175	ng	100
92) Benzo(g,h,i)perylene	17.645	276	582117	40.914	ng	99

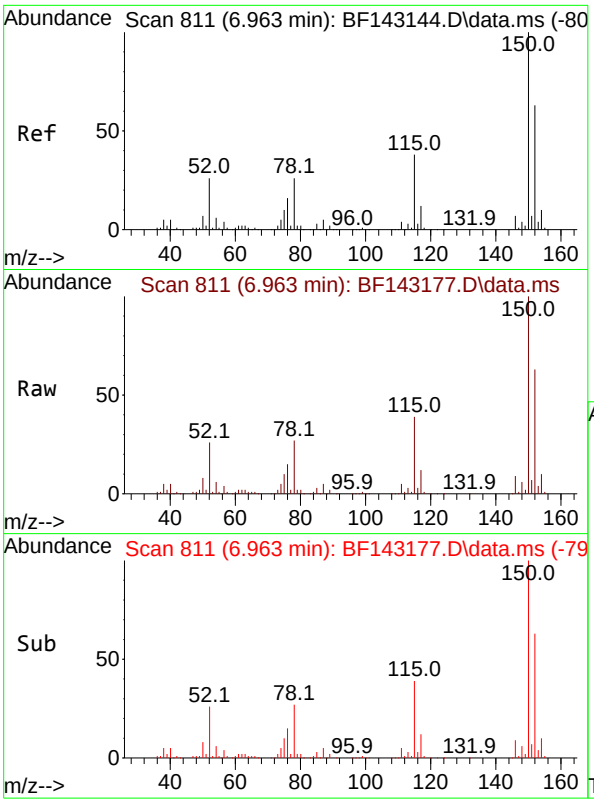
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



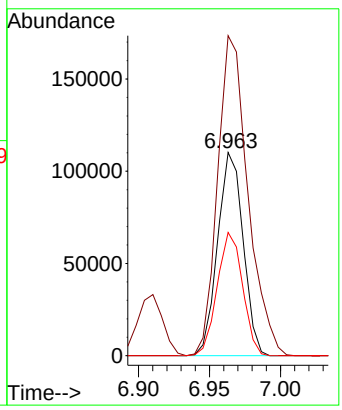


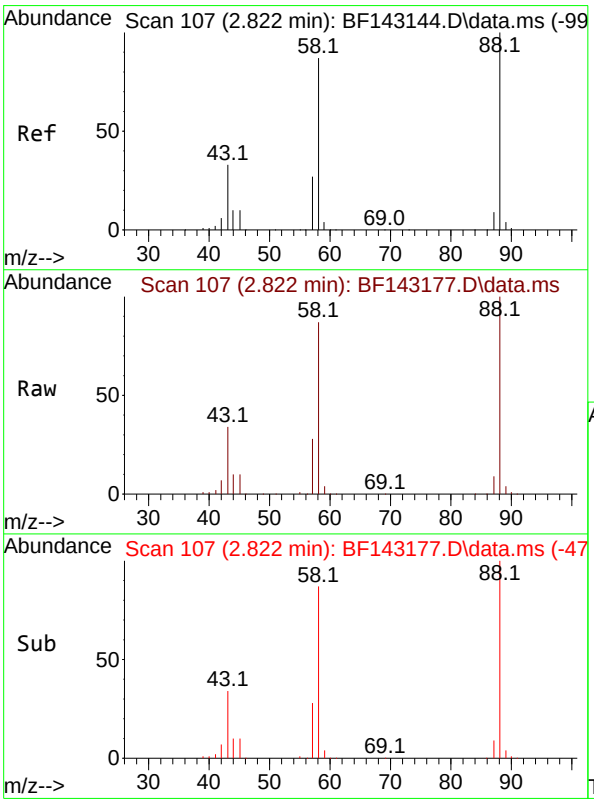
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 137586

Ion	Ratio	Lower	Upper
152	100		
150	157.5	128.2	192.4
115	60.6	47.9	71.9

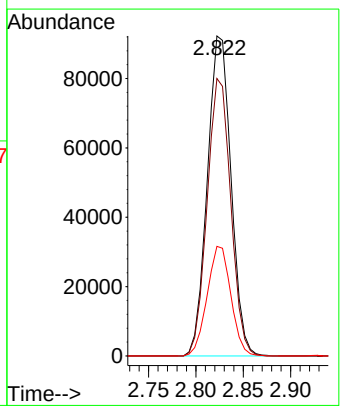


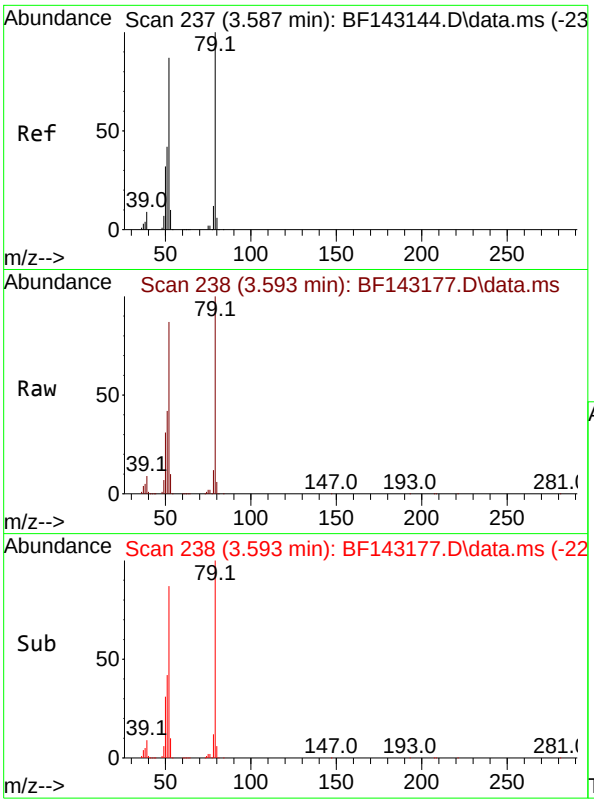


#2
1,4-Dioxane
Concen: 39.132 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 88 Resp: 160989

Ion	Ratio	Lower	Upper
88	100		
58	86.2	70.2	105.2
43	34.3	27.1	40.7



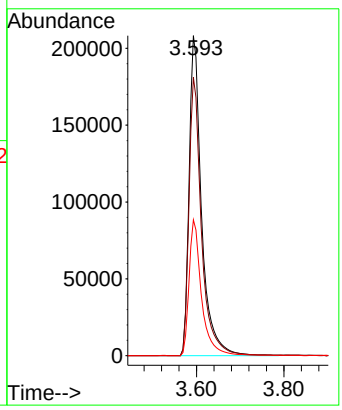


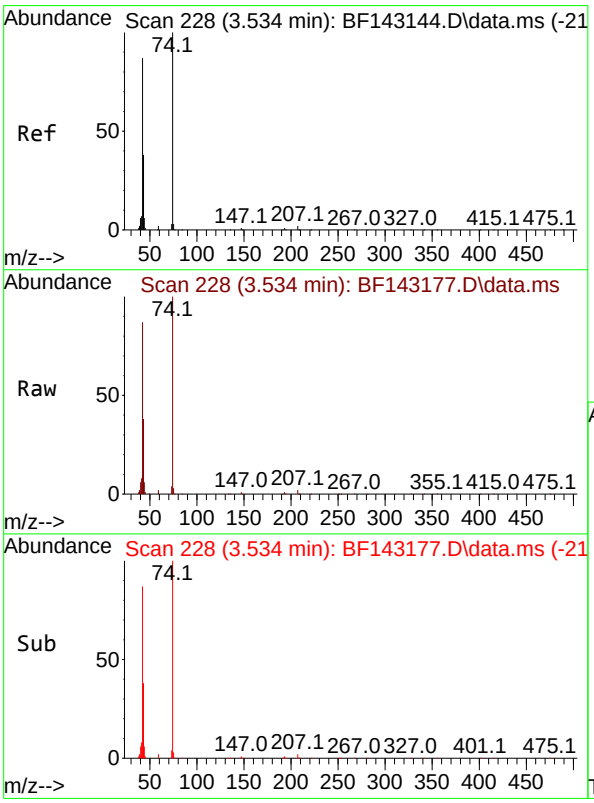
#3
Pyridine
Concen: 38.657 ng
RT: 3.593 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 412780

Ion	Ratio	Lower	Upper
79	100		
52	87.0	69.4	104.2
51	42.4	33.5	50.3

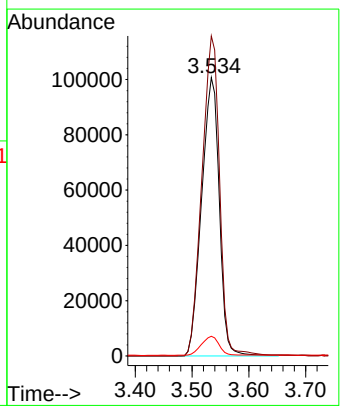


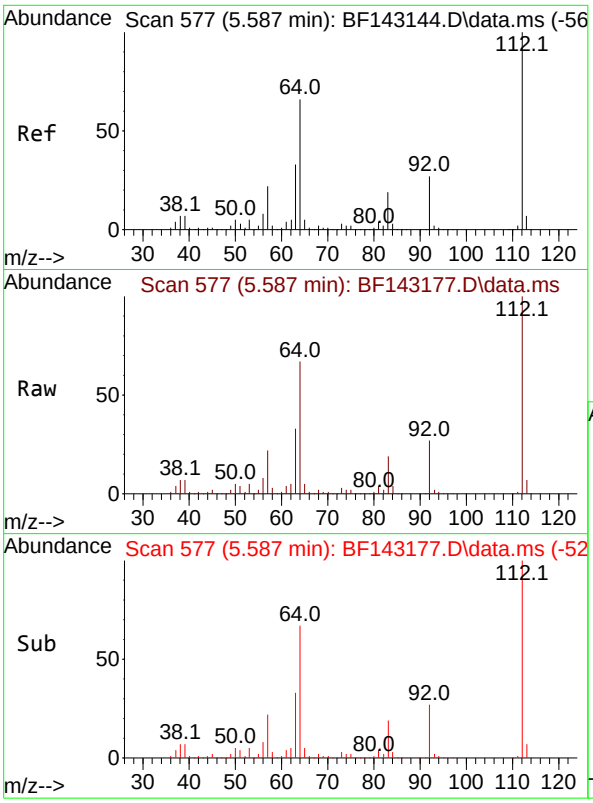


#4
n-Nitrosodimethylamine
Concen: 39.459 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 42 Resp: 217539

Ion	Ratio	Lower	Upper
42	100		
74	115.0	91.7	137.5
44	7.1	5.6	8.4



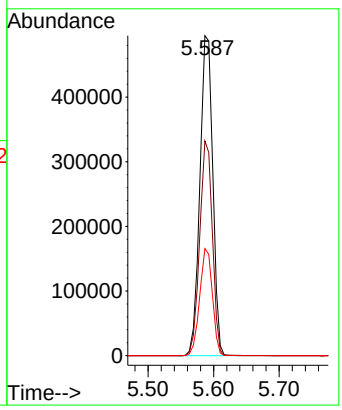


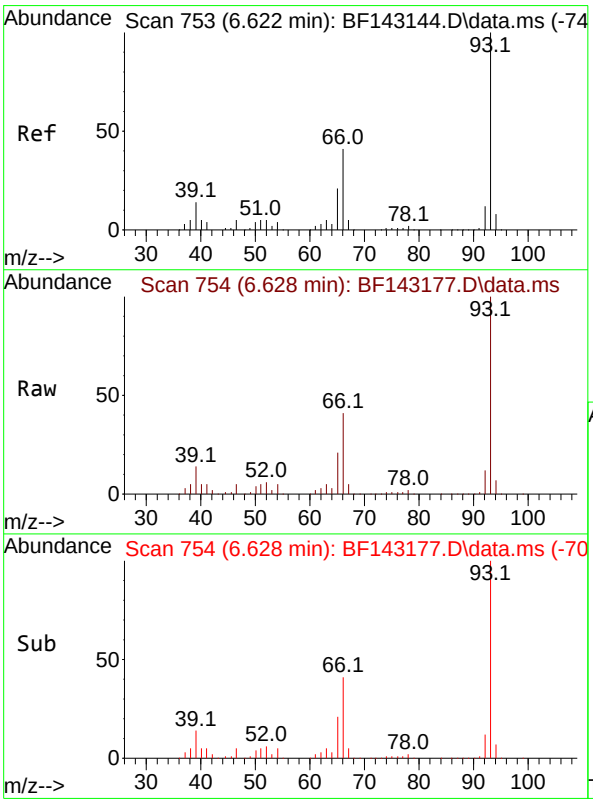
#5
2-Fluorophenol
Concen: 77.959 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 677807

Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.1	79.7
63	33.5	26.6	40.0

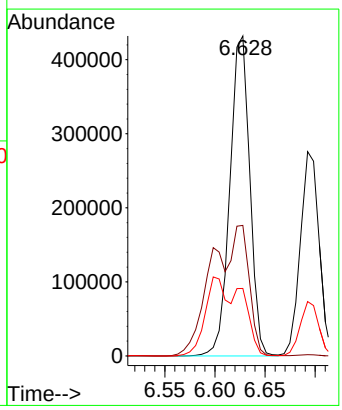


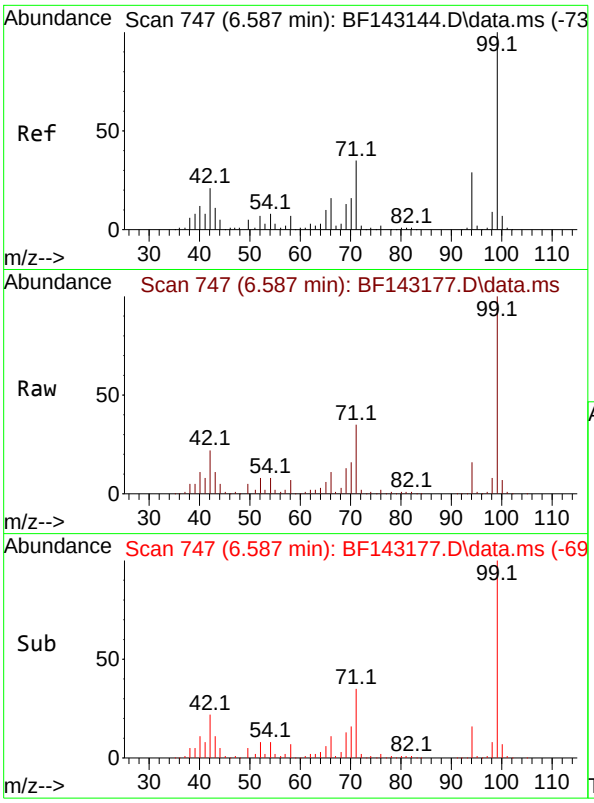


#6
Aniline
Concen: 39.186 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 93 Resp: 597655

Ion	Ratio	Lower	Upper
93	100		
66	40.8	33.2	49.8
65	21.1	16.9	25.3



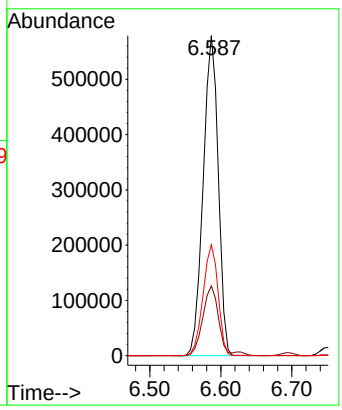


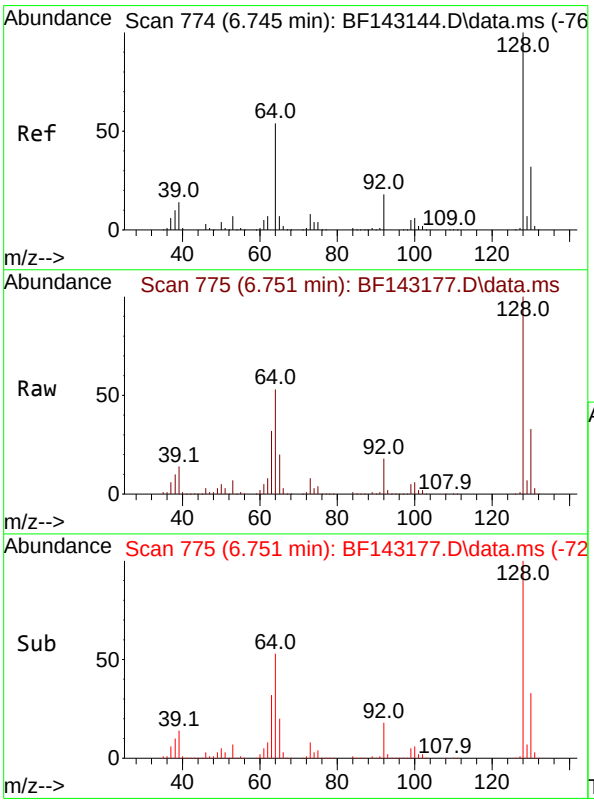
#7
Phenol-d6
Concen: 78.075 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 854417

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.0	25.6
71	34.7	27.7	41.5

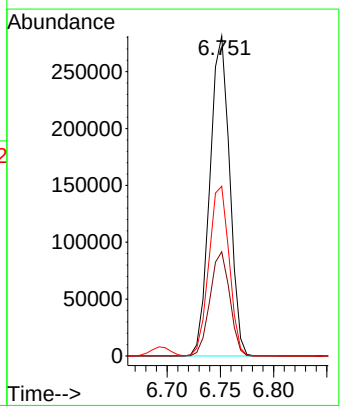


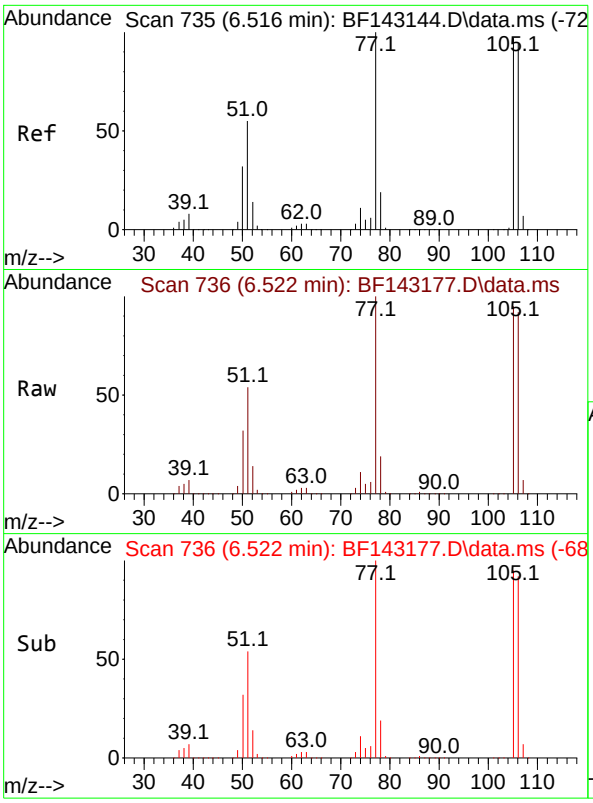


#8
2-Chlorophenol
Concen: 39.740 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:128 Resp: 362170

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	53.1	35.9	75.9



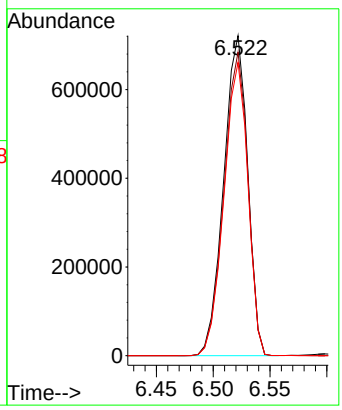


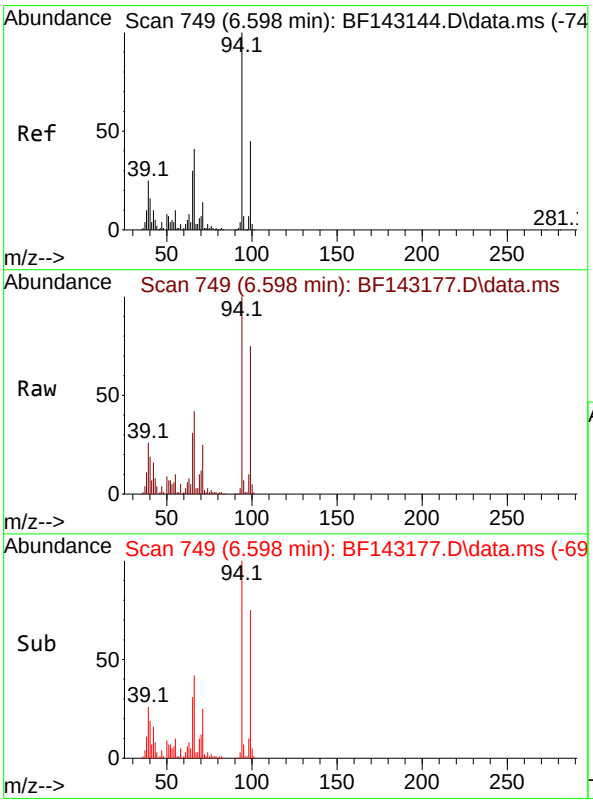
#9
Benzaldehyde
Concen: 129.116 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 1059534

Ion	Ratio	Lower	Upper
77	100		
105	94.8	76.8	116.8
106	91.6	74.4	114.4

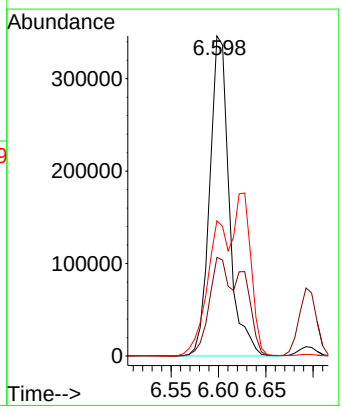


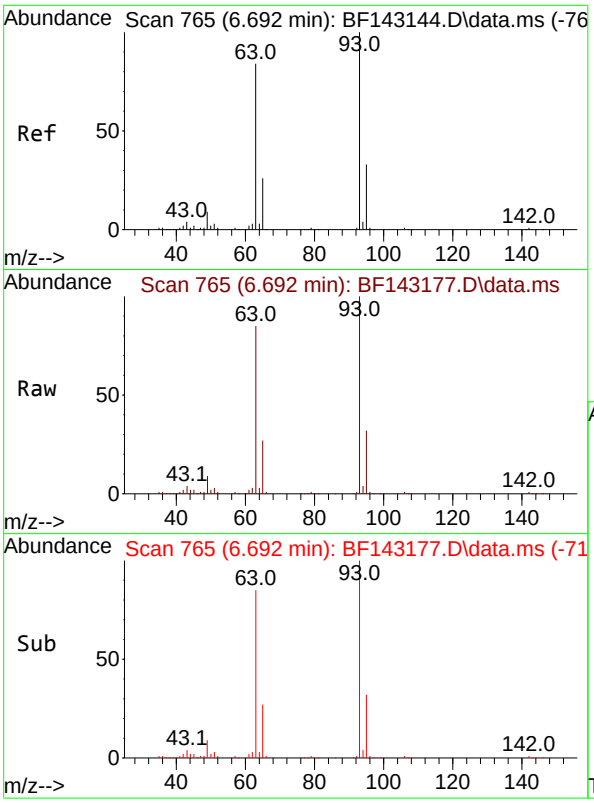


#10
Phenol
Concen: 41.450 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 94 Resp: 494165

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.0	50.0
66	42.3	20.8	60.8



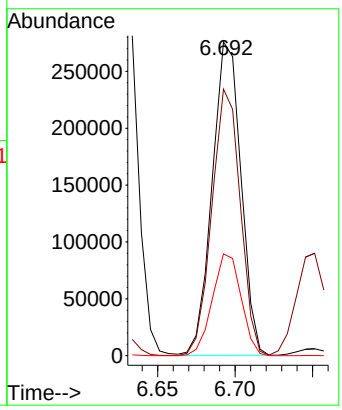


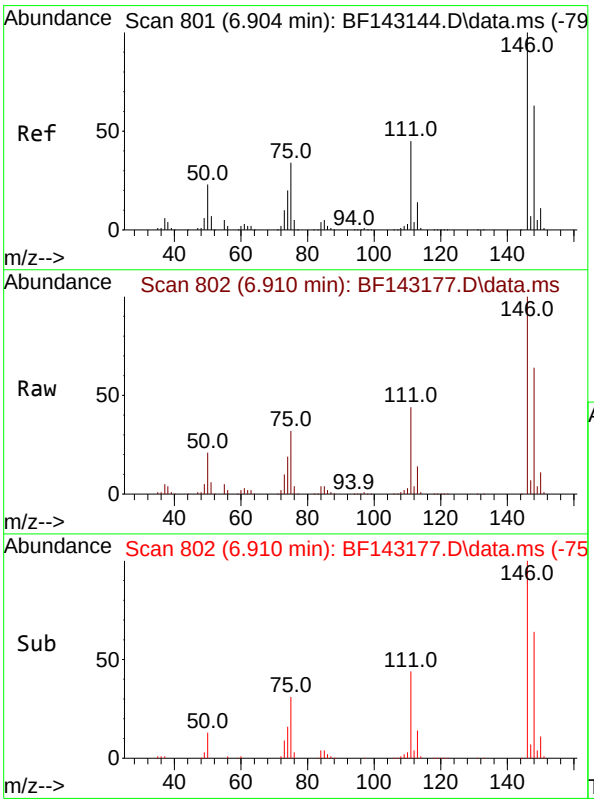
#11
bis(2-Chloroethyl)ether
Concen: 38.997 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 355973

Ion	Ratio	Lower	Upper
93	100		
63	84.9	63.4	103.4
95	32.4	12.4	52.4

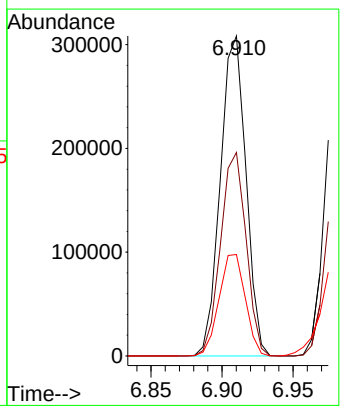


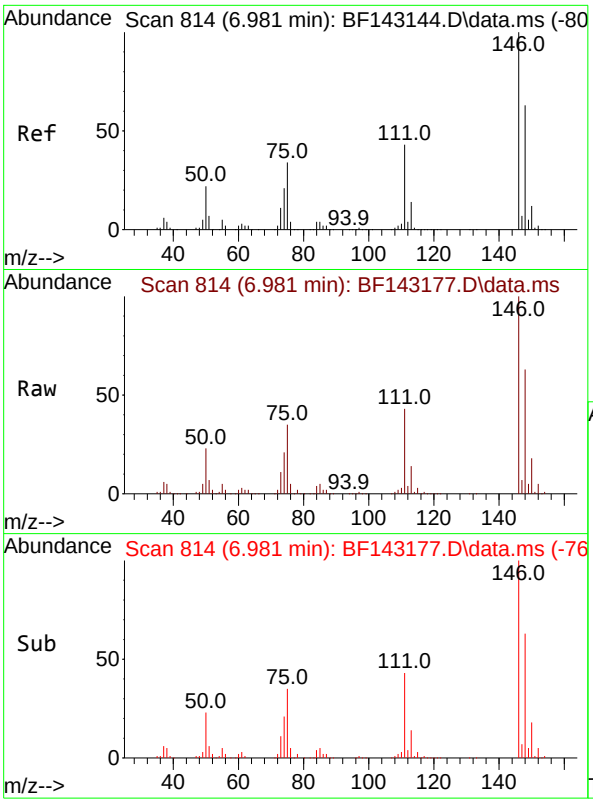


#12
1,3-Dichlorobenzene
Concen: 39.079 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:146 Resp: 386885

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	31.7	27.4	41.2



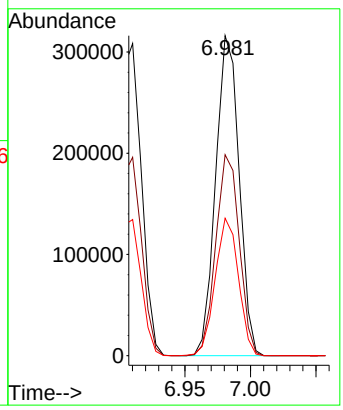


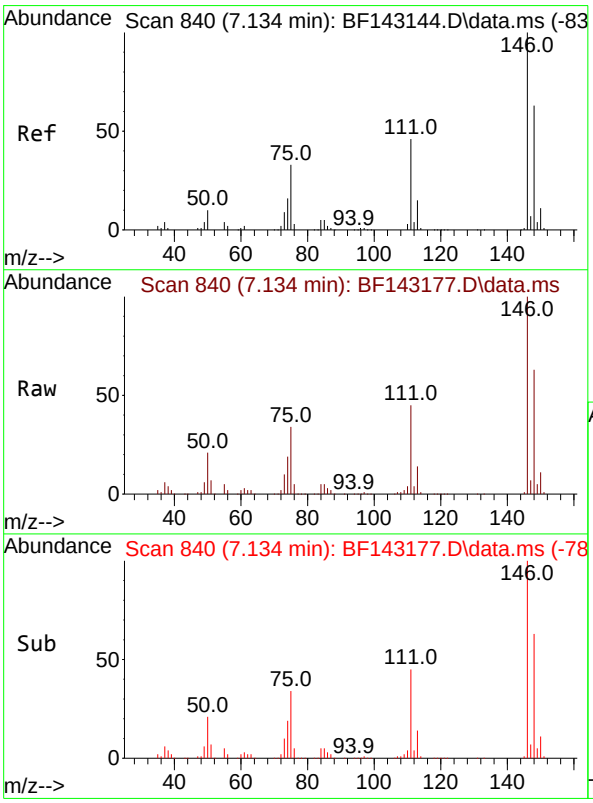
#13
1,4-Dichlorobenzene
Concen: 39.415 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 392969

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.3	75.5
111	42.9	34.4	51.6

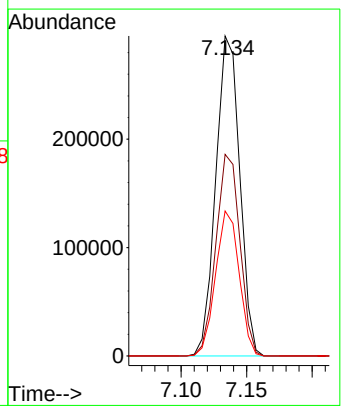


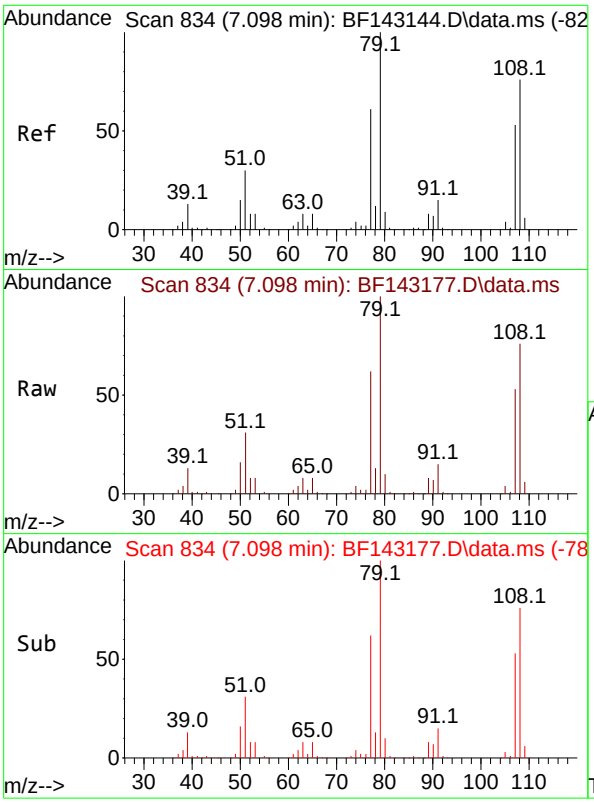


#14
1,2-Dichlorobenzene
Concen: 39.536 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:146 Resp: 374905

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.7	76.1
111	45.3	36.6	54.8



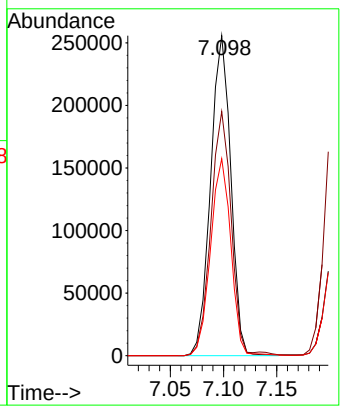


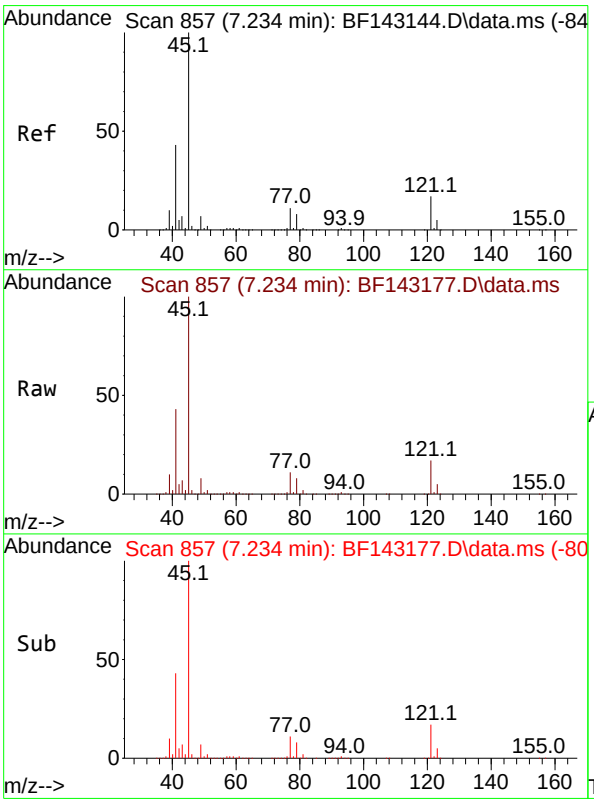
#15
Benzyl Alcohol
Concen: 40.325 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 336956

Ion	Ratio	Lower	Upper
79	100		
108	76.3	61.1	91.7
77	61.6	48.9	73.3

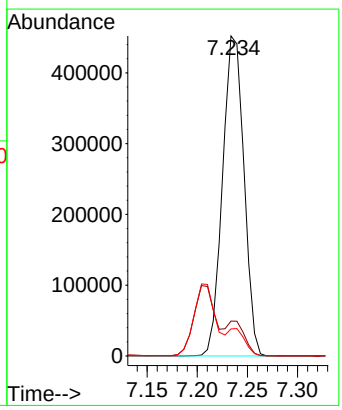


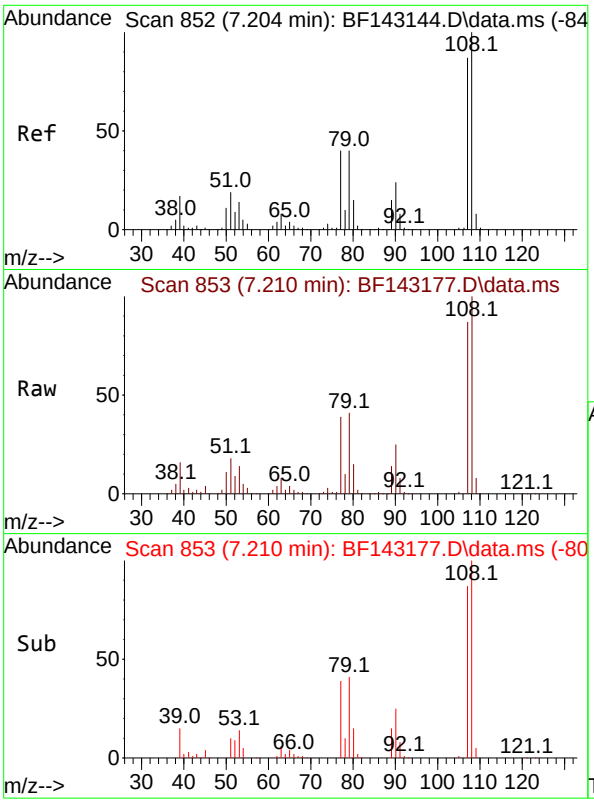


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.617 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 45 Resp: 670842

Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	31.2
79	8.4	0.0	28.5



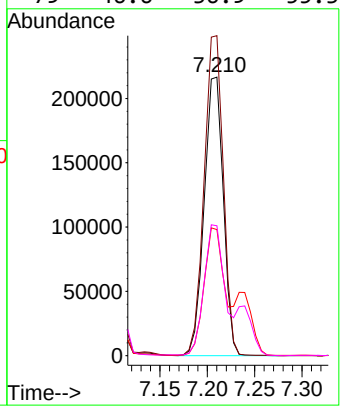


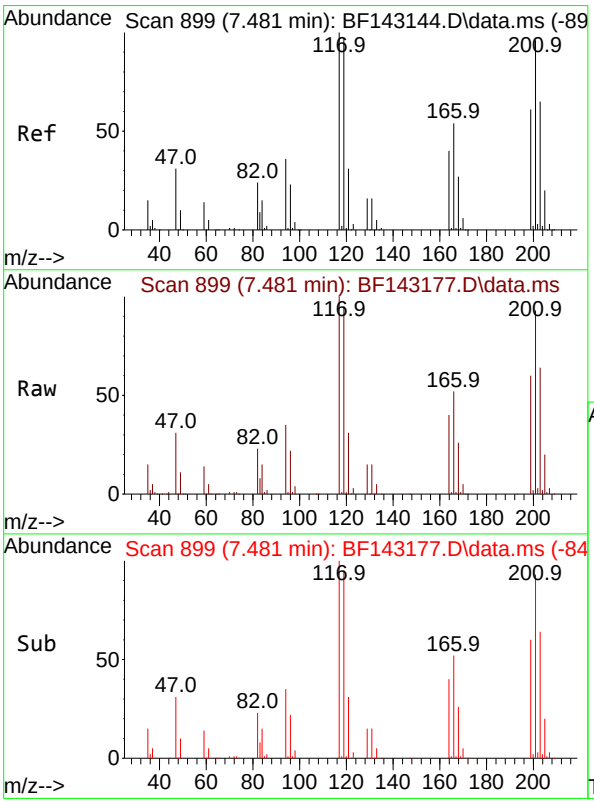
#17
2-Methylphenol
Concen: 39.715 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 304327

Ion	Ratio	Lower	Upper
107	100		
108	114.9	91.8	137.6
77	45.3	37.0	55.6
79	46.6	36.9	55.3

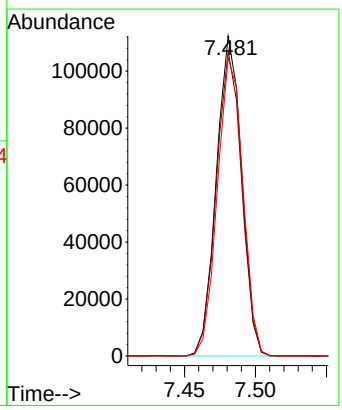


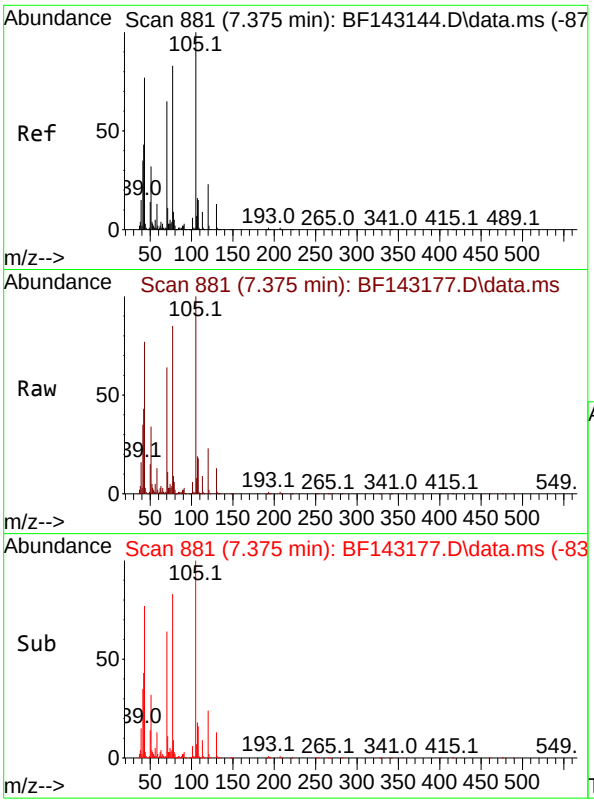


#18
Hexachloroethane
Concen: 40.337 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:117 Resp: 139222

Ion	Ratio	Lower	Upper
117	100		
119	95.3	77.8	116.8
201	93.3	77.0	115.4



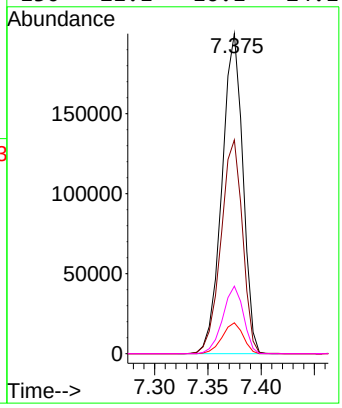


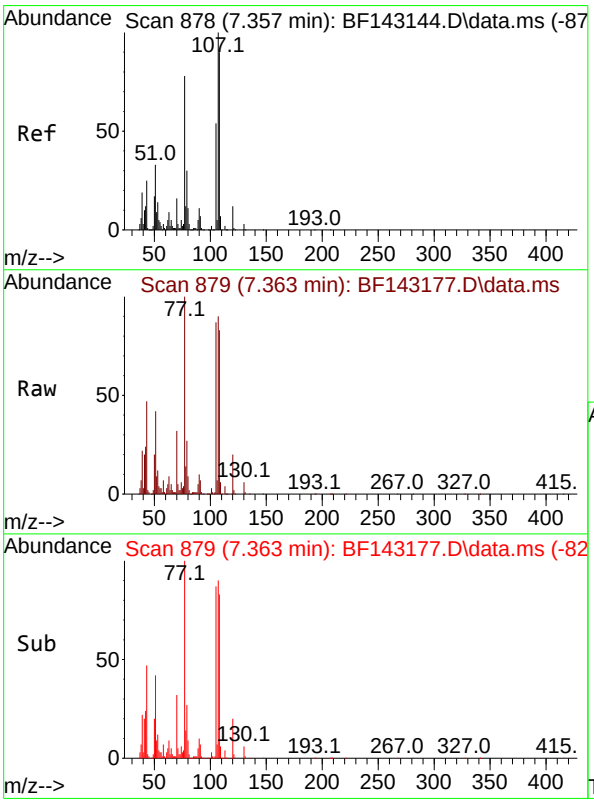
#19
n-Nitroso-di-n-propylamine
Concen: 38.818 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 272545

Ion	Ratio	Lower	Upper
70	100		
42	66.8	52.5	78.7
101	9.7	7.6	11.4
130	21.1	16.1	24.1

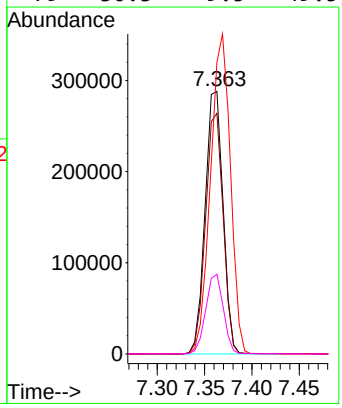


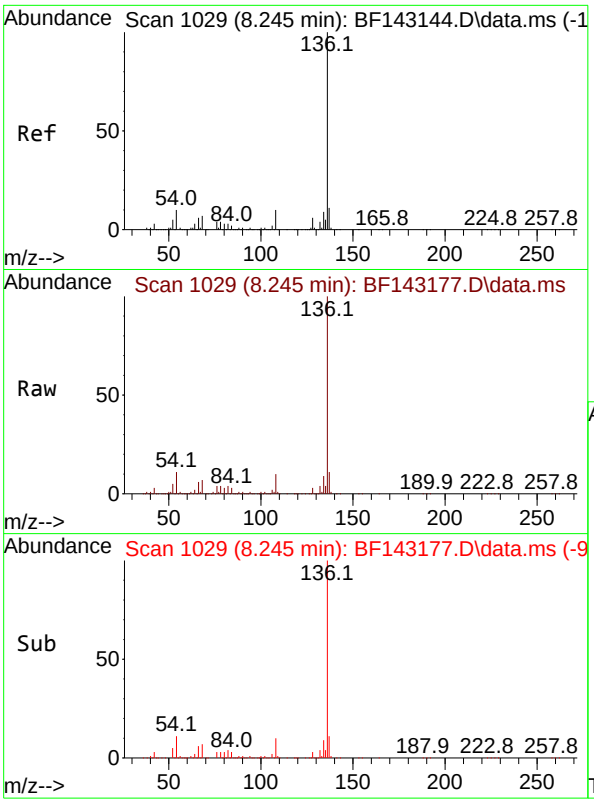


#20
3+4-Methylphenols
Concen: 40.856 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:107 Resp: 379841

Ion	Ratio	Lower	Upper
107	100		
108	91.6	70.0	110.0
77	111.0	57.8	97.8#
79	30.3	9.5	49.5



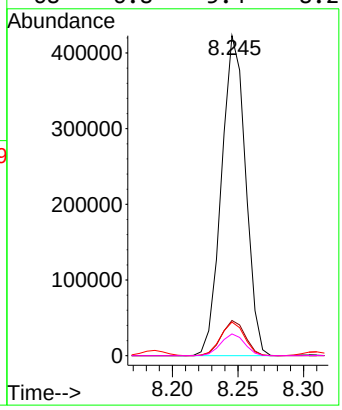


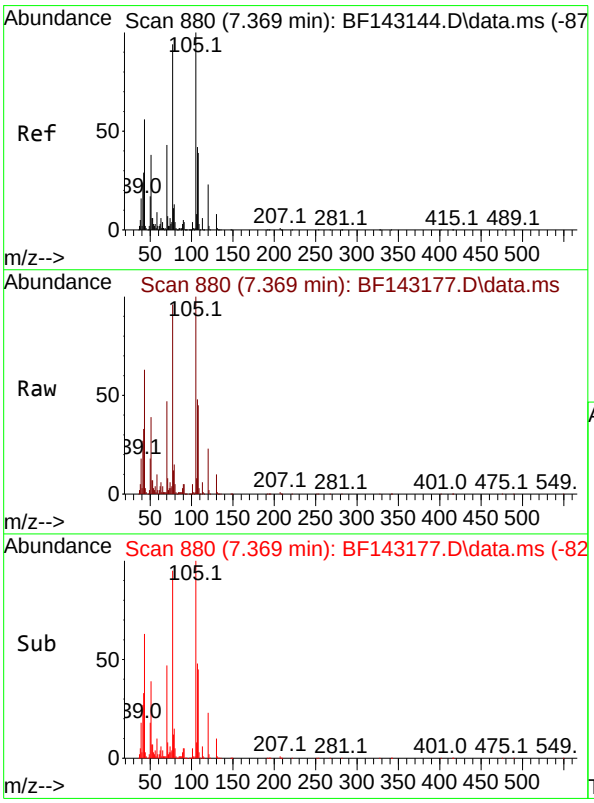
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 540273

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.5	8.2	12.2
68	6.8	5.4	8.2

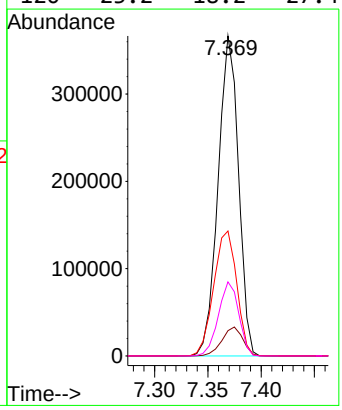


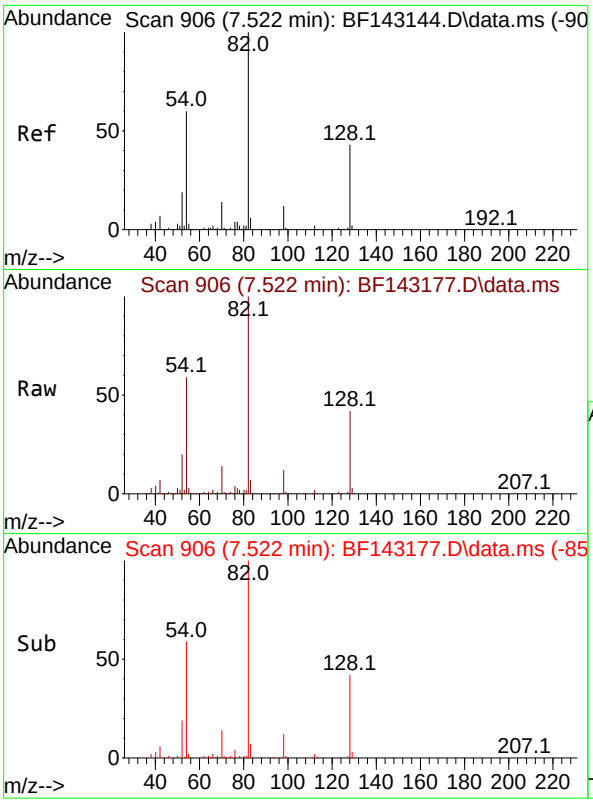


#22
Acetophenone
Concen: 38.166 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:105 Resp: 488181

Ion	Ratio	Lower	Upper
105	100		
71	7.9	5.8	8.6
51	39.0	30.2	45.2
120	23.2	18.2	27.4



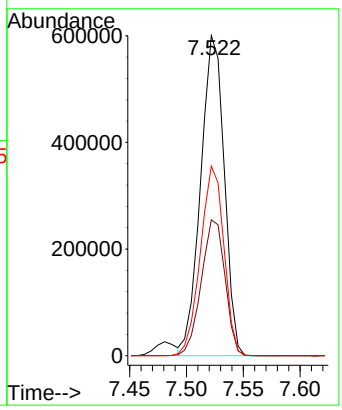


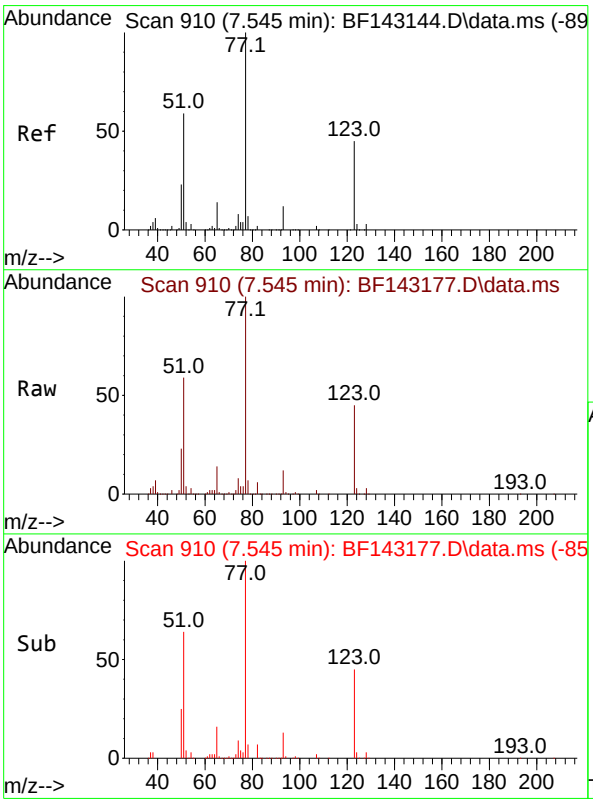
#23
Nitrobenzene-d5
Concen: 79.820 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 865138

Ion	Ratio	Lower	Upper
82	100		
128	42.5	33.6	50.4
54	59.2	47.1	70.7

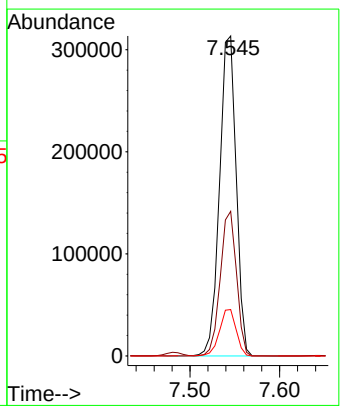


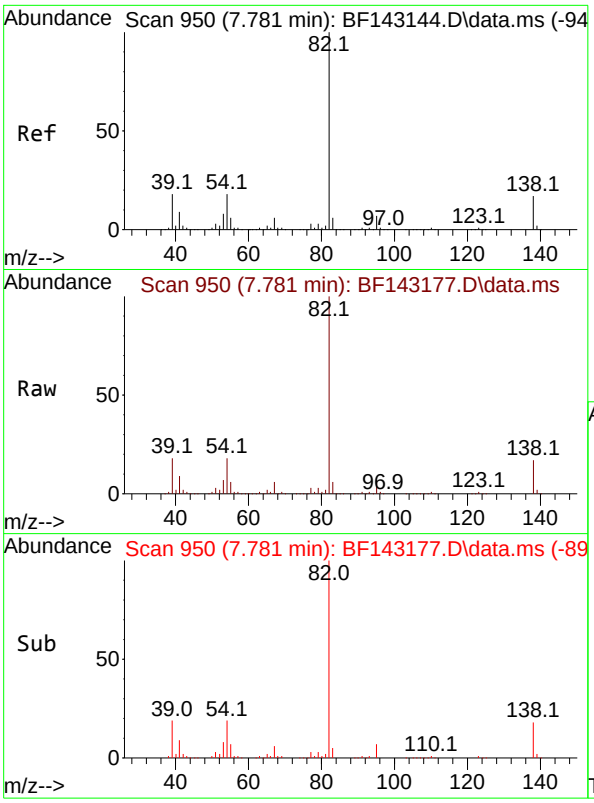


#24
Nitrobenzene
Concen: 39.931 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 77 Resp: 403502

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.5	11.4	17.2



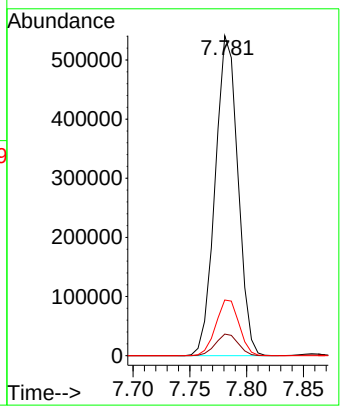


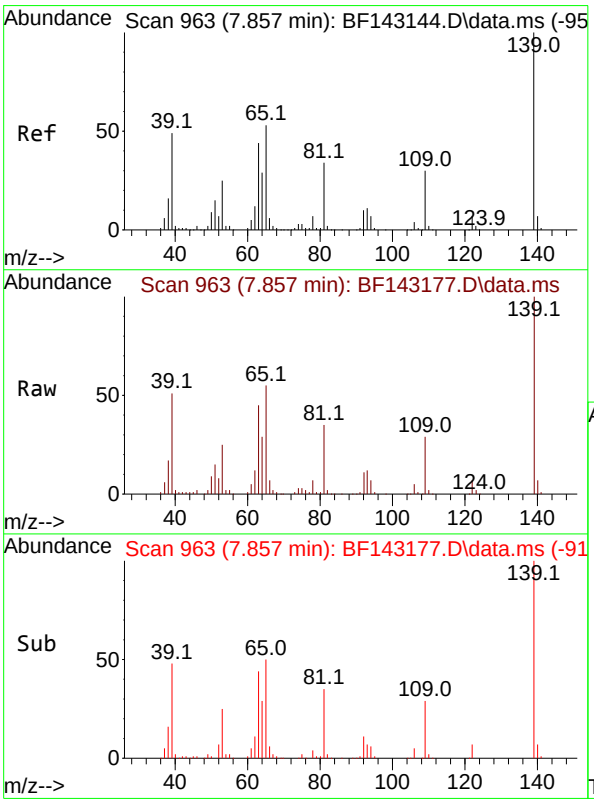
#25
Isophorone
Concen: 39.403 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 753928

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.4	13.8	20.8

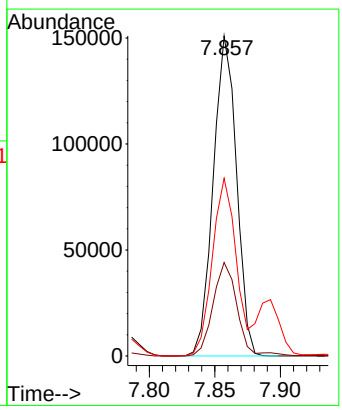


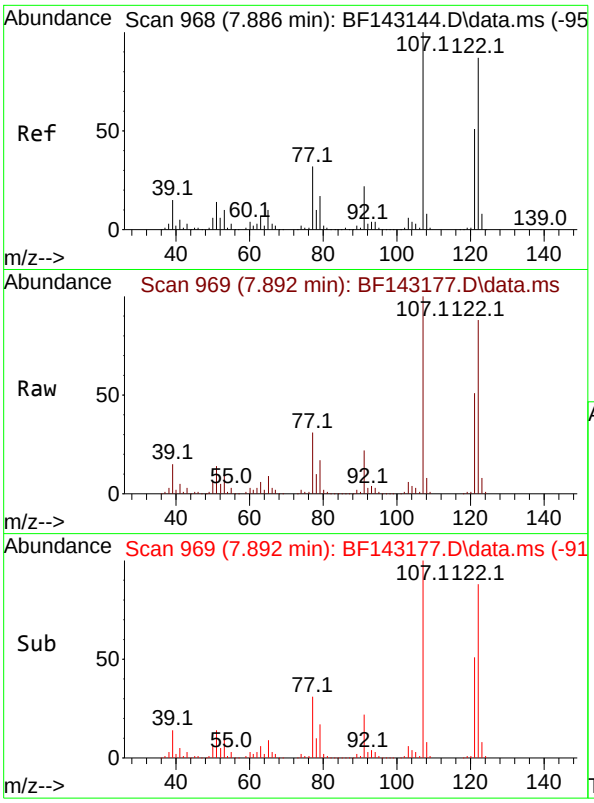


#26
2-Nitrophenol
Concen: 42.420 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:139 Resp: 186034

Ion	Ratio	Lower	Upper
139	100		
109	29.2	23.6	35.4
65	55.5	42.6	64.0



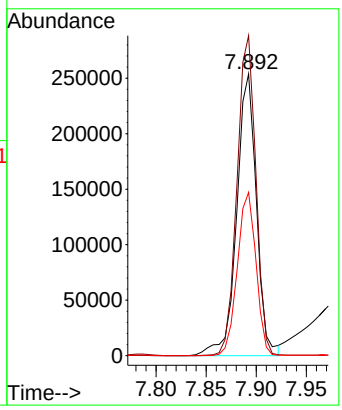


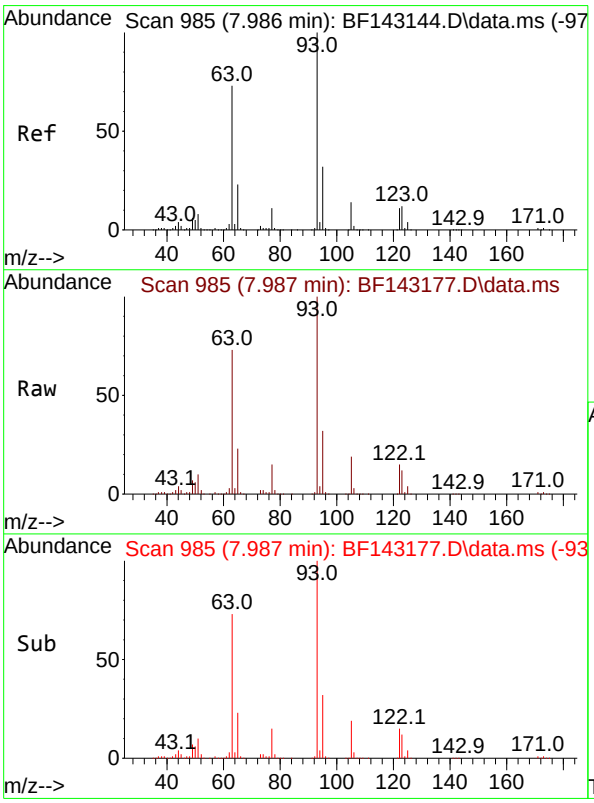
#27
2,4-Dimethylphenol
Concen: 39.039 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 348982

Ion	Ratio	Lower	Upper
122	100		
107	113.6	91.8	137.6
121	58.0	46.3	69.5

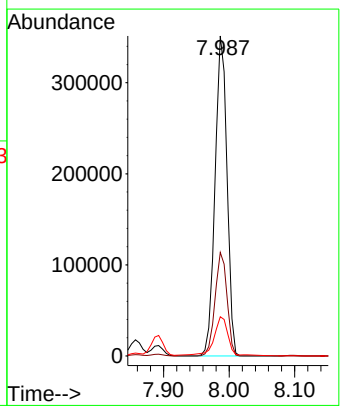


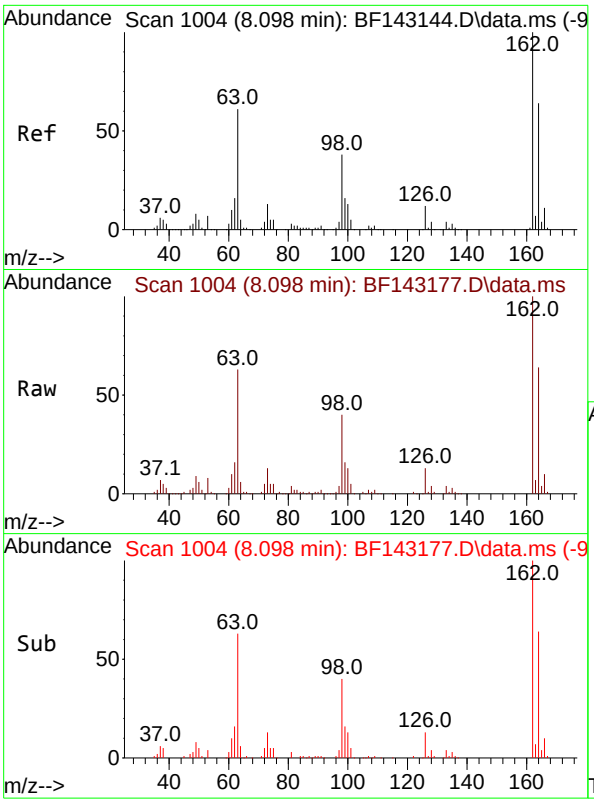


#28
bis(2-Chloroethoxy)methane
Concen: 38.742 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 93 Resp: 444443

Ion	Ratio	Lower	Upper
93	100		
95	32.3	25.8	38.6
123	12.2	9.7	14.5



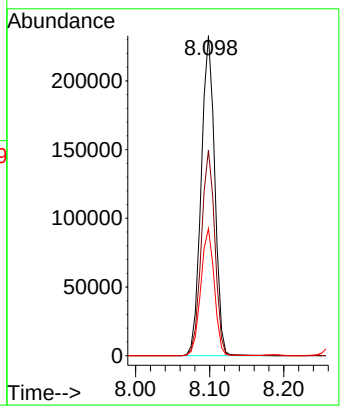


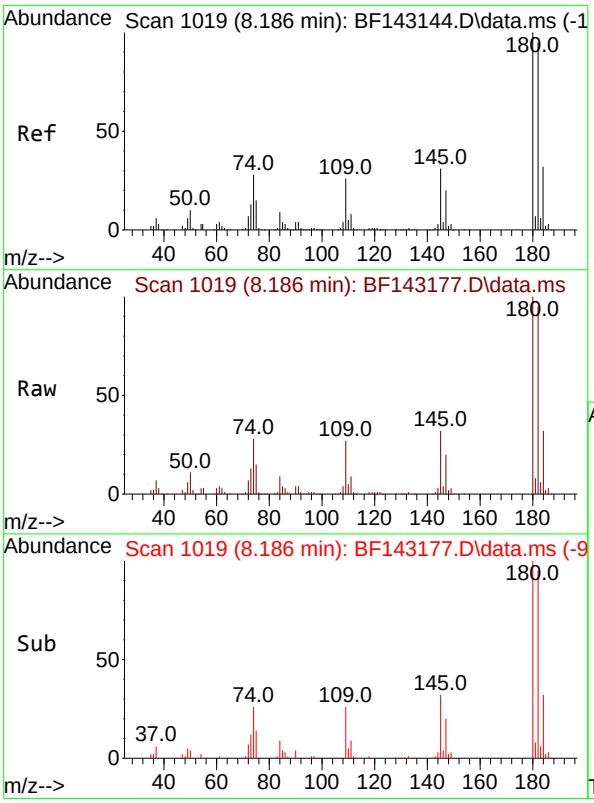
#29
2,4-Dichlorophenol
Concen: 39.284 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 296155

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.2	84.2
98	39.7	17.9	57.9

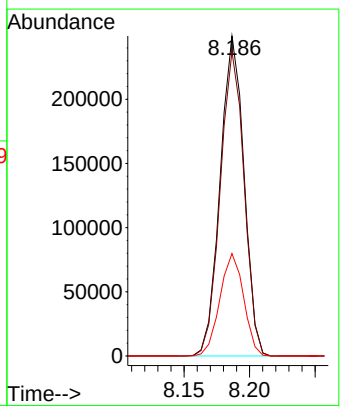


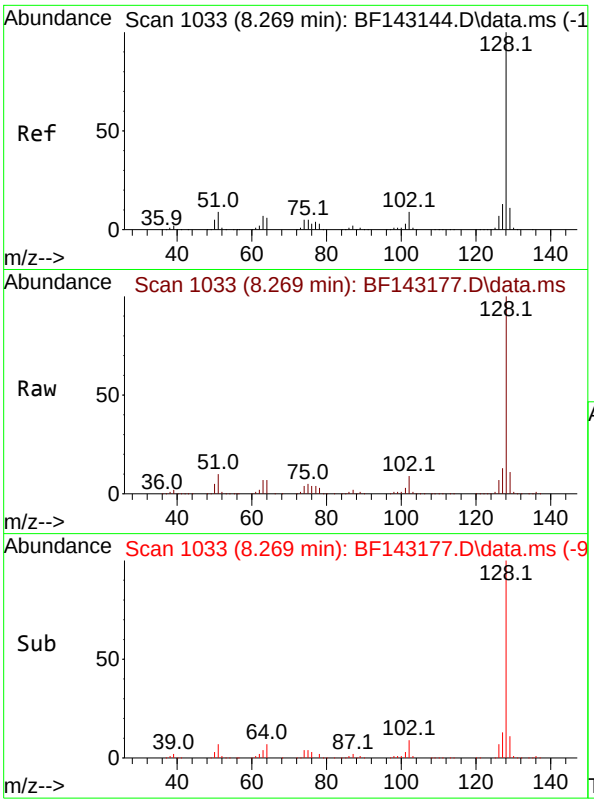


#30
1,2,4-Trichlorobenzene
Concen: 38.597 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:180 Resp: 314359

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
145	32.0	25.0	37.6



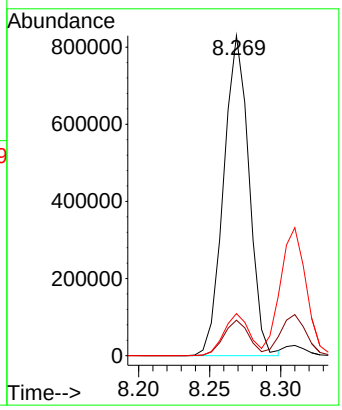


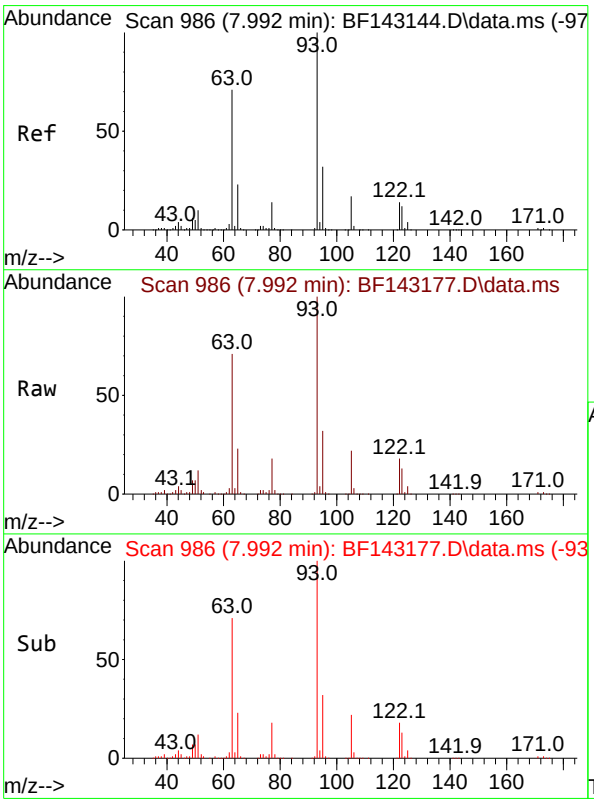
#31
Naphthalene
Concen: 38.661 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1028678

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0

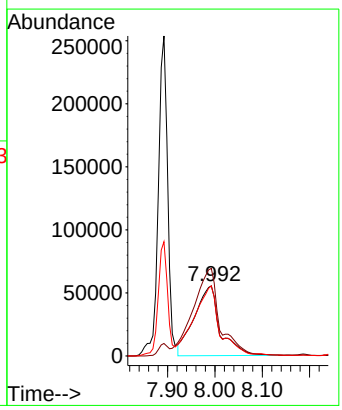


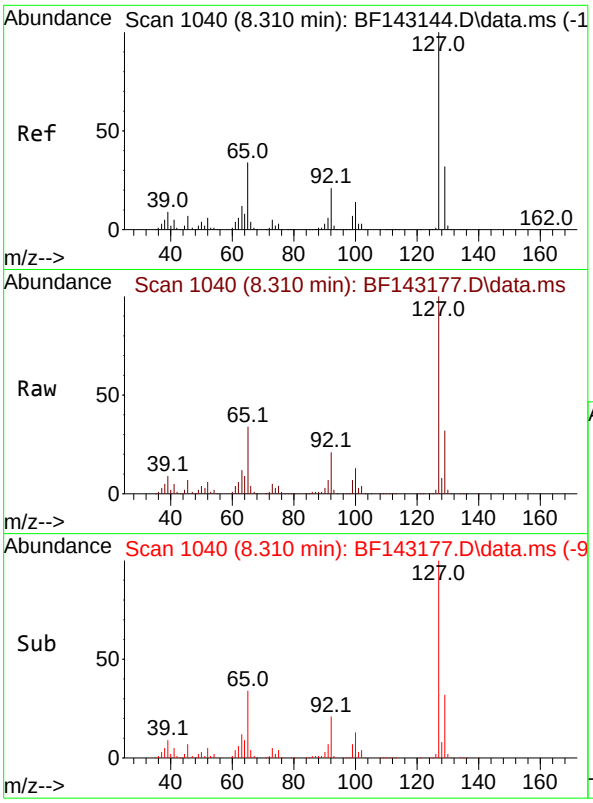


#32
Benzoic acid
Concen: 42.399 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:122 Resp: 210097

Ion	Ratio	Lower	Upper
122	100		
105	125.0	104.8	144.8
77	100.1	77.6	117.6



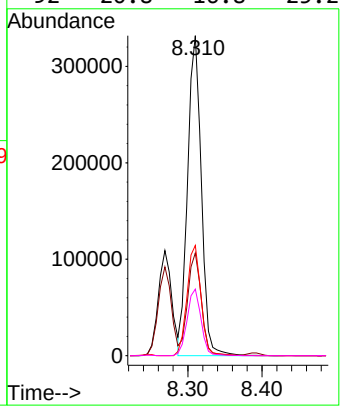


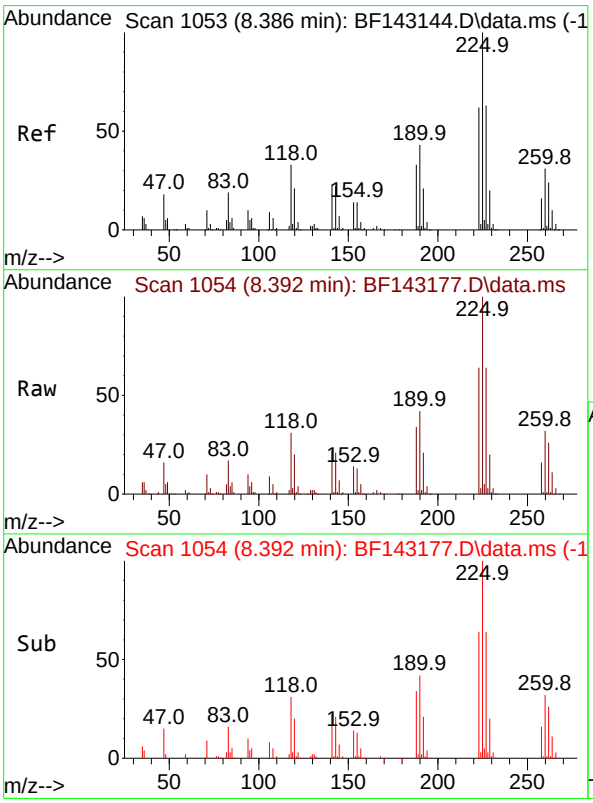
#33
4-Chloroaniline
Concen: 39.296 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 426934

Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.0	39.0
65	34.5	27.4	41.2
92	20.8	16.8	25.2

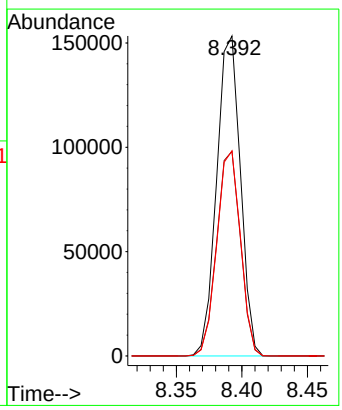


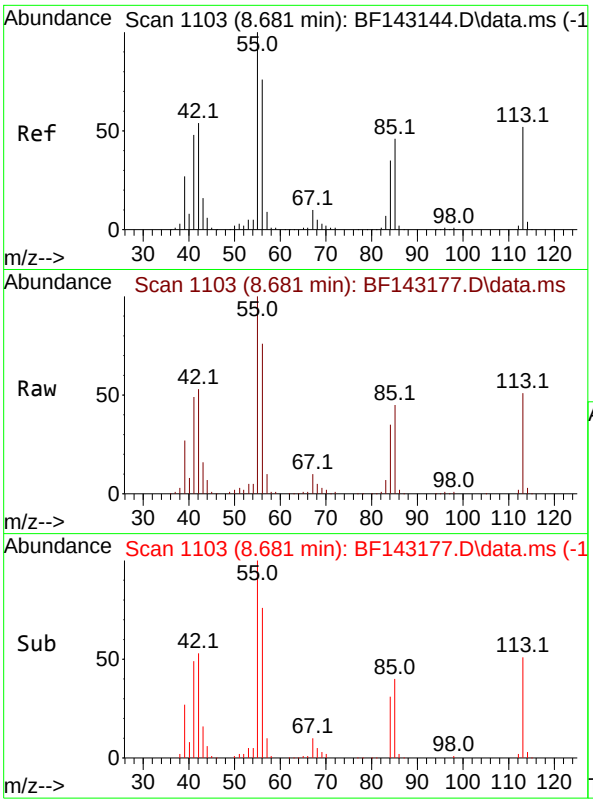


#34
Hexachlorobutadiene
Concen: 38.797 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:225 Resp: 193031

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.8	74.6
227	64.1	50.2	75.4



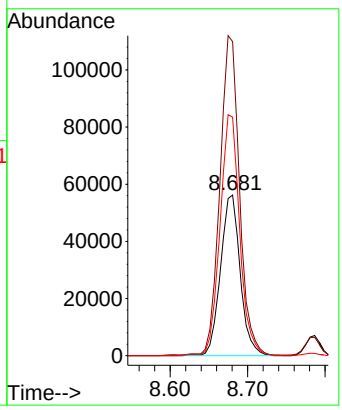


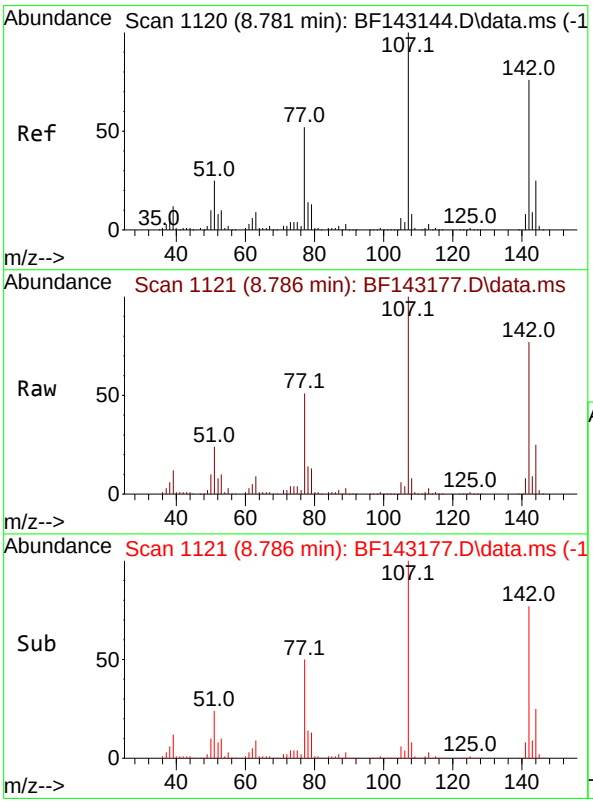
#35
Caprolactam
Concen: 43.497 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 99092

Ion	Ratio	Lower	Upper
113	100		
55	195.5	174.0	214.0
56	148.5	126.6	166.6

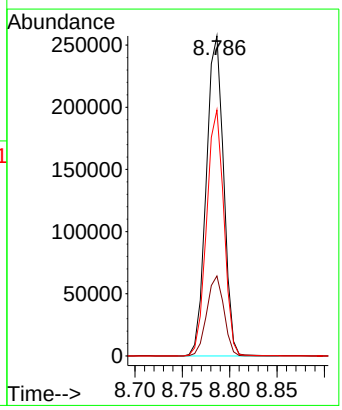


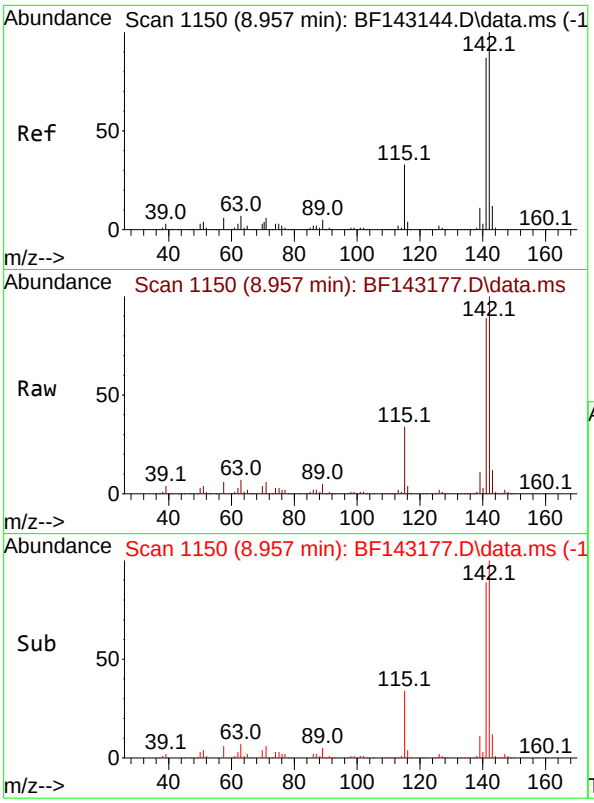


#36
4-Chloro-3-methylphenol
Concen: 40.031 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:107 Resp: 328015

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.8	29.6
142	76.8	60.6	90.8



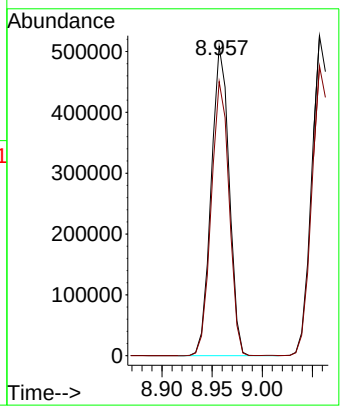


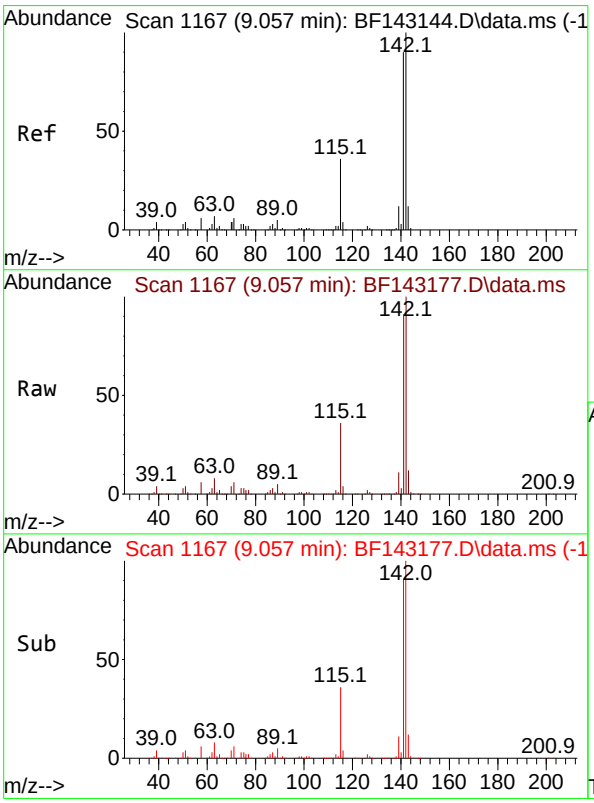
#37
2-Methylnaphthalene
Concen: 38.948 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 630618

Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.9	104.9

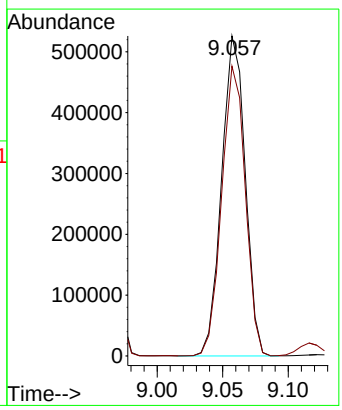


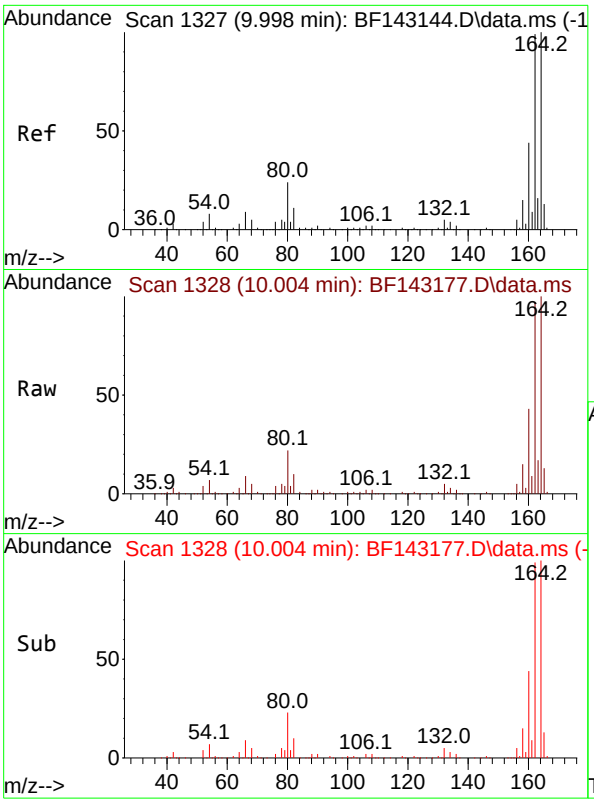


#38
1-Methylnaphthalene
Concen: 39.448 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:142 Resp: 657714

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.3	108.5



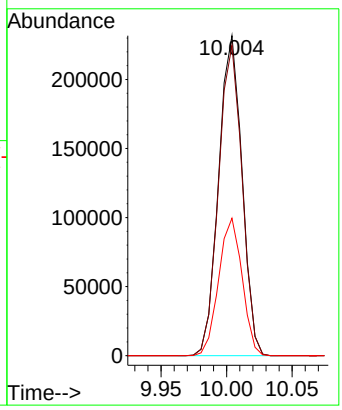


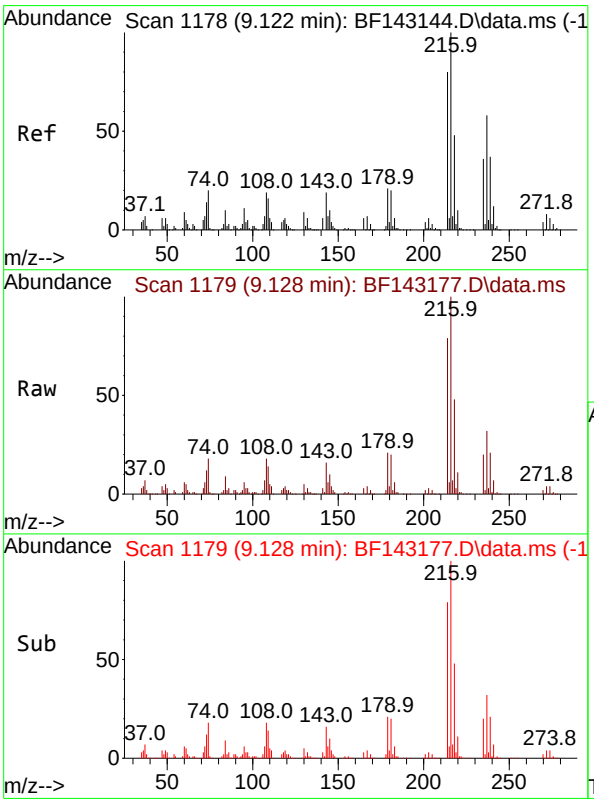
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 287067

Ion	Ratio	Lower	Upper
164	100		
162	96.9	79.0	118.6
160	43.0	35.1	52.7

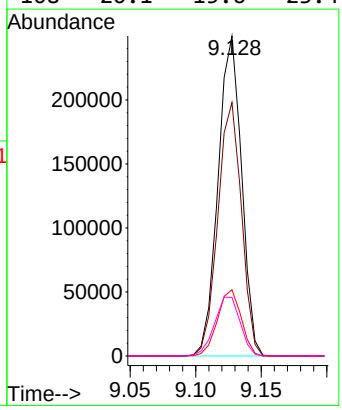


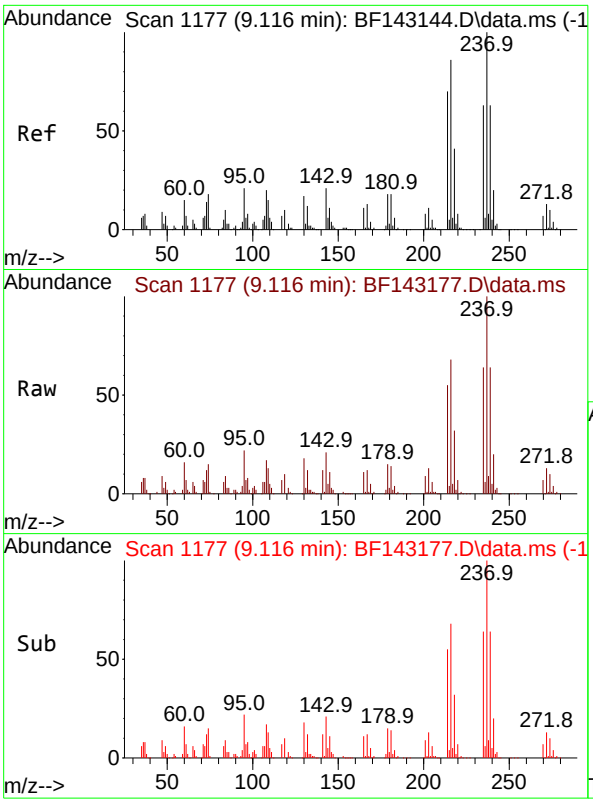


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.530 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:216 Resp: 311045

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.8
179	20.9	16.4	24.6
108	20.1	15.6	23.4



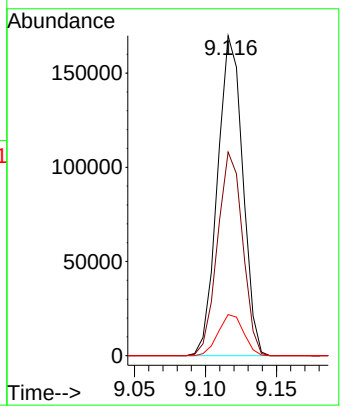


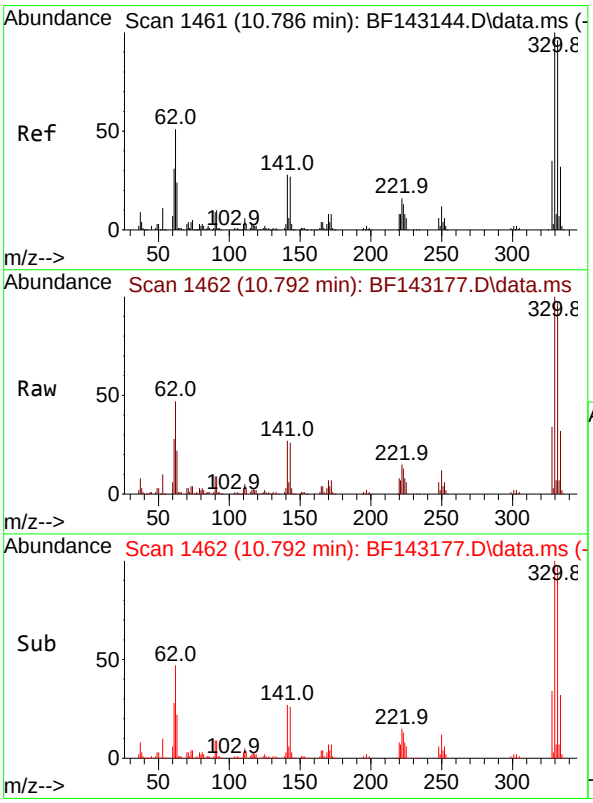
#41
Hexachlorocyclopentadiene
Concen: 38.857 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 209543

Ion	Ratio	Lower	Upper
237	100		
235	63.7	43.0	83.0
272	12.8	0.0	33.3

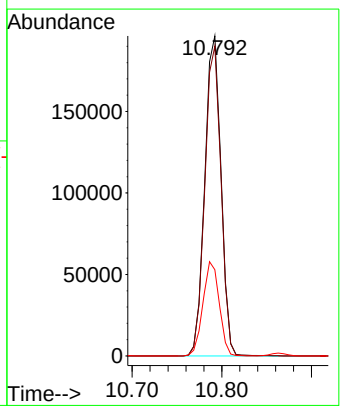


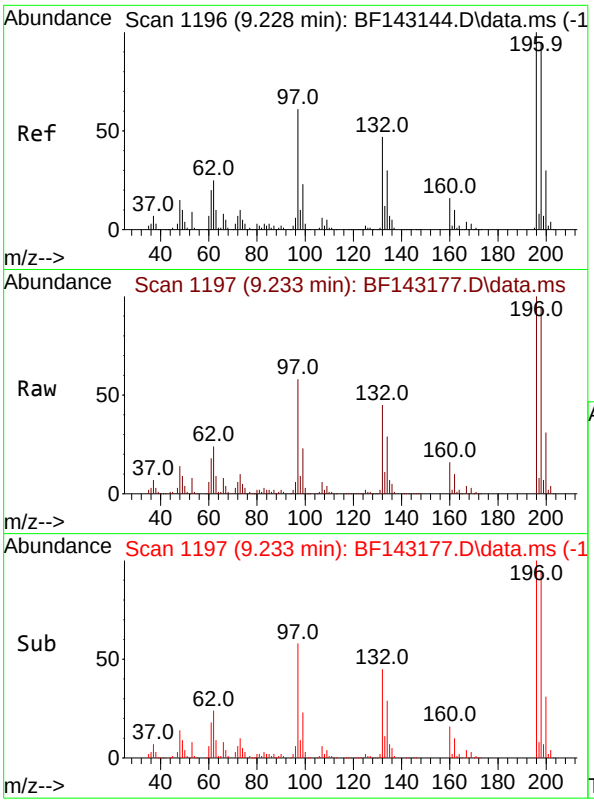


#42
2,4,6-Tribromophenol
Concen: 83.135 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:330 Resp: 246542

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	29.6	23.3	34.9



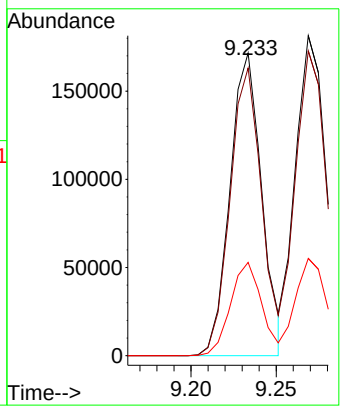


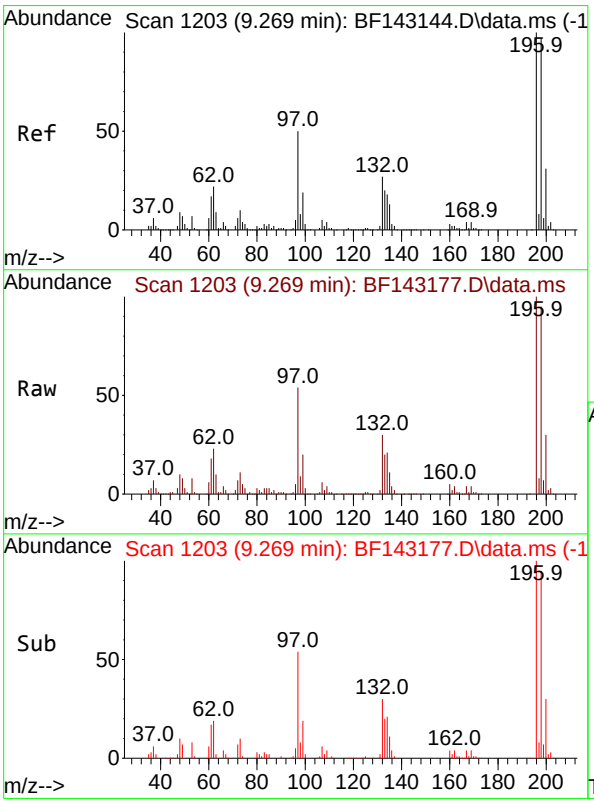
#43
2,4,6-Trichlorophenol
Concen: 38.716 ng
RT: 9.233 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 222071

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.2	114.2
200	30.8	23.9	35.9

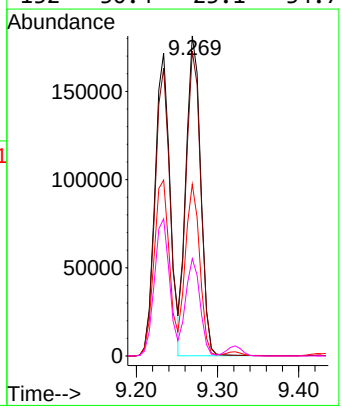


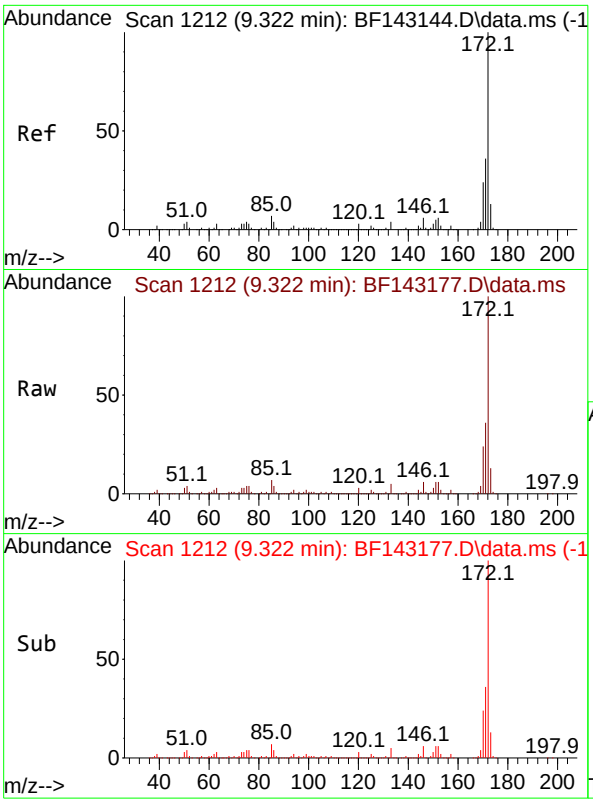


#44
2,4,5-Trichlorophenol
Concen: 39.609 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:196 Resp: 227262

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.3	115.9
97	53.7	40.3	60.5
132	30.4	23.1	34.7



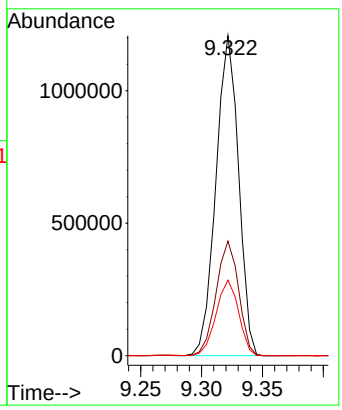


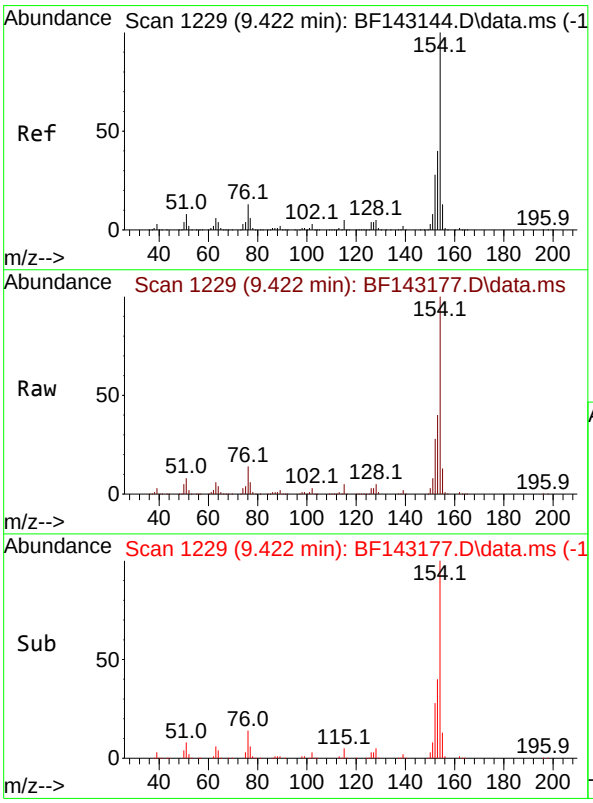
#45
2-Fluorobiphenyl
Concen: 74.477 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1563287

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.6	18.8	28.2

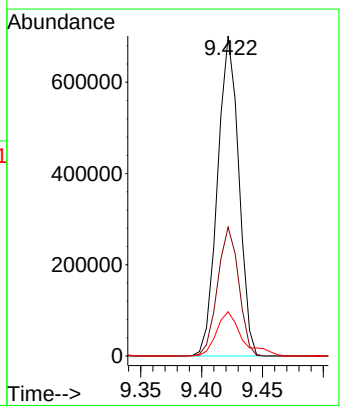


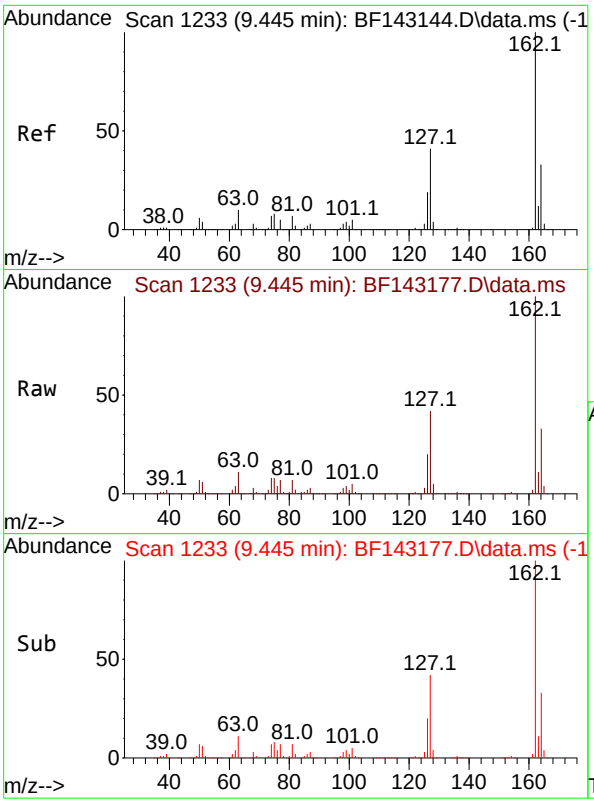


#46
1,1'-Biphenyl
Concen: 38.059 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:154 Resp: 852399

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	13.8	0.0	33.3



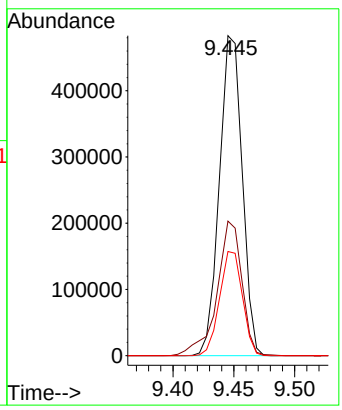


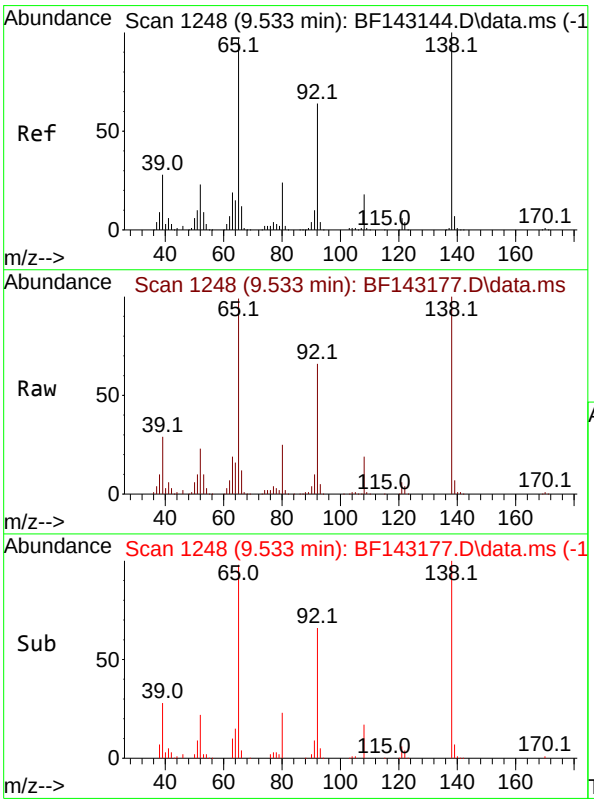
#47
2-Chloronaphthalene
Concen: 38.067 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 630848

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.4	50.2
164	32.6	26.2	39.2

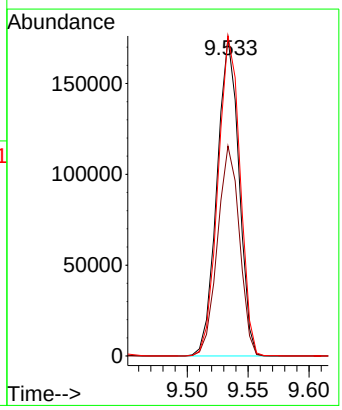


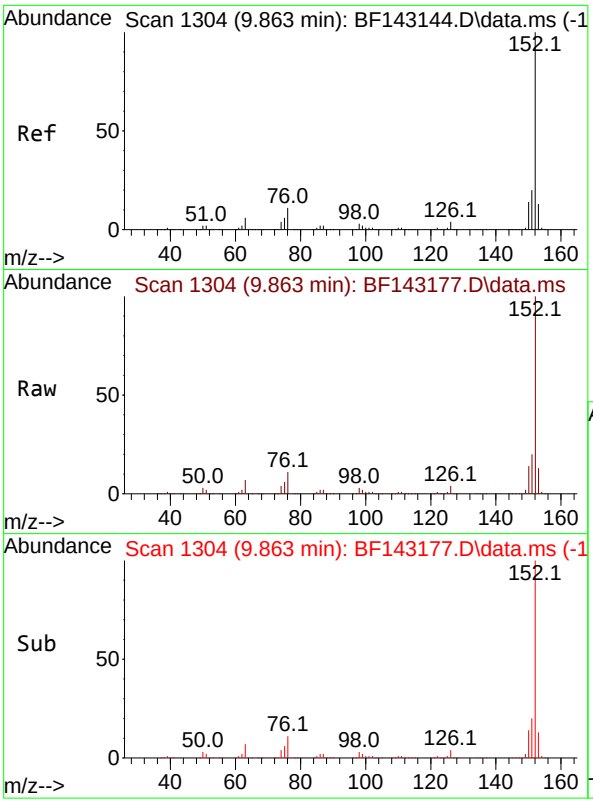


#48
2-Nitroaniline
Concen: 42.277 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion: 65 Resp: 219714

Ion	Ratio	Lower	Upper
65	100		
92	65.9	52.4	78.6
138	100.5	82.3	123.5



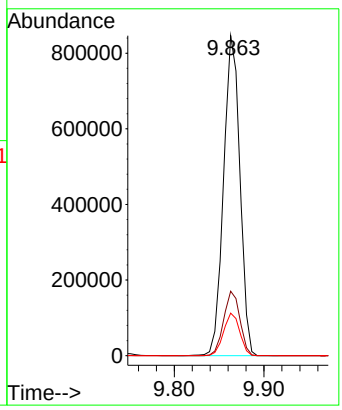


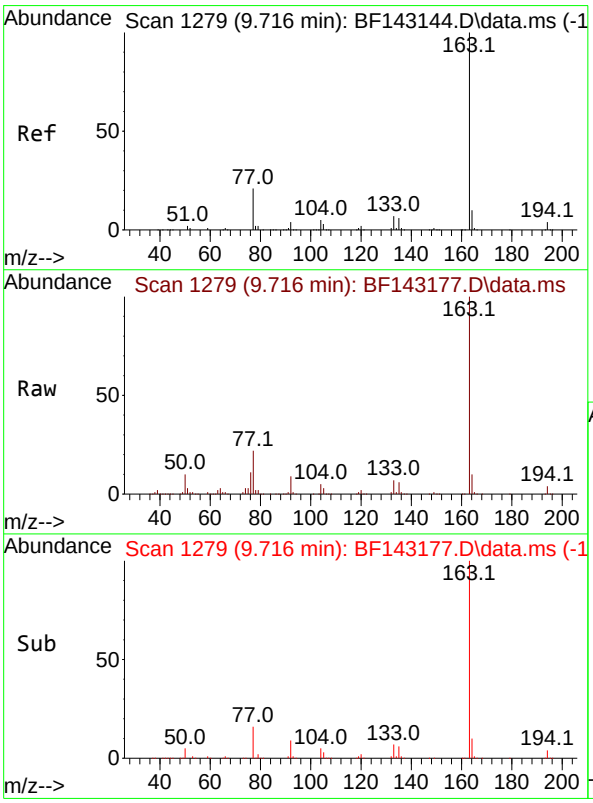
#49
Acenaphthylene
Concen: 38.541 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1070369

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.3	10.6	16.0

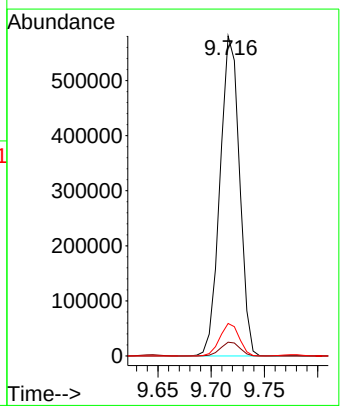


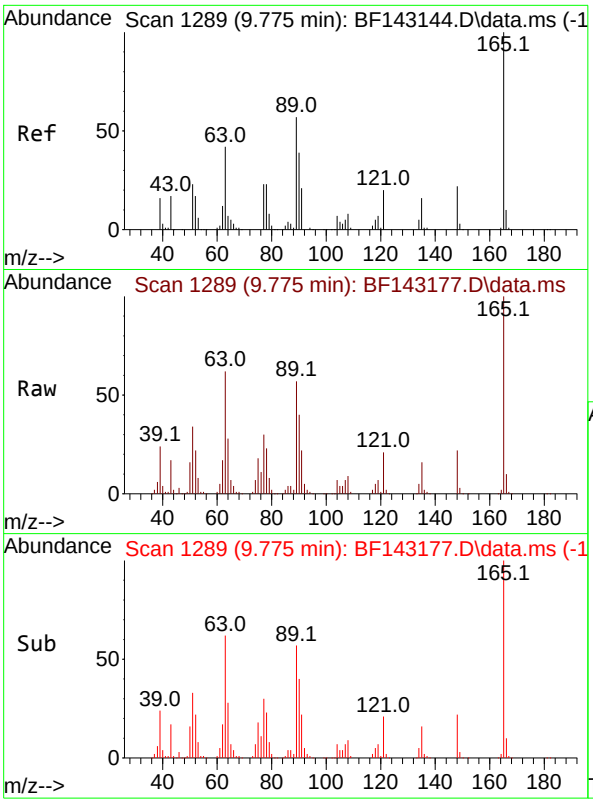


#50
Dimethylphthalate
Concen: 39.501 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:163 Resp: 739129

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.1	8.3	12.5



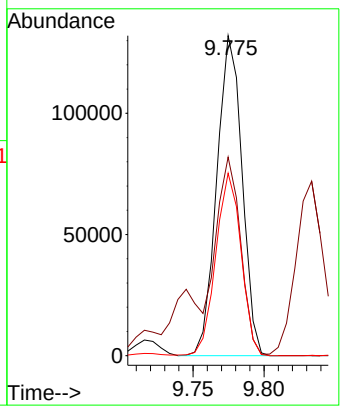


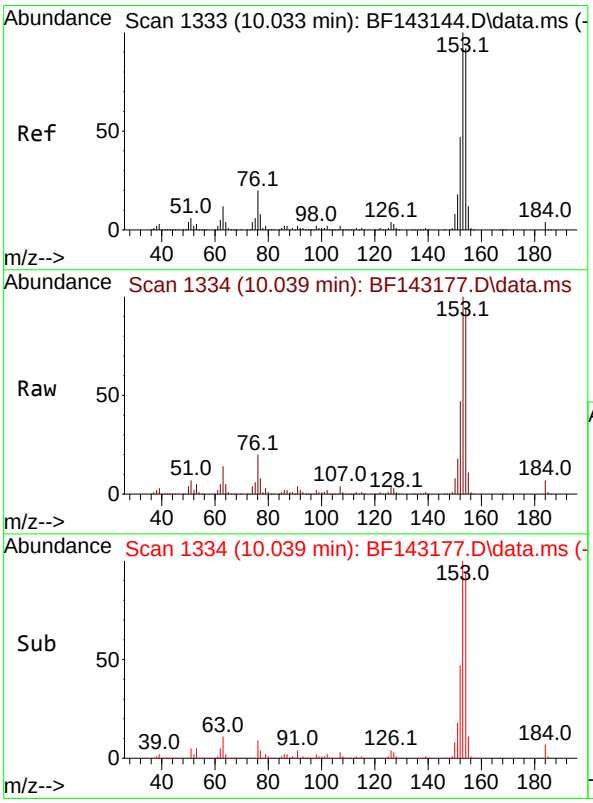
#51
2,6-Dinitrotoluene
Concen: 42.869 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 163183

Ion	Ratio	Lower	Upper
165	100		
63	62.1	49.4	74.2
89	57.0	46.2	69.2

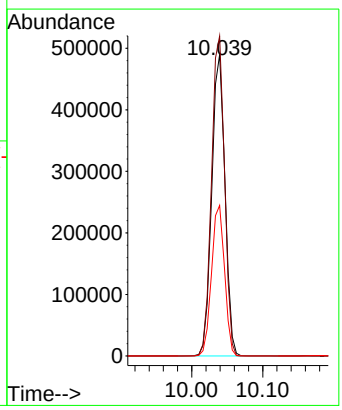


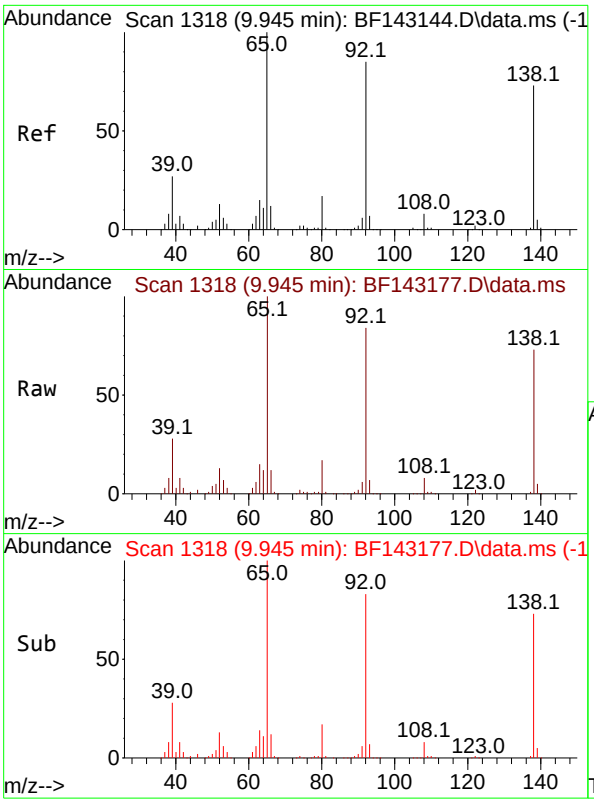


#52
Acenaphthene
Concen: 38.656 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:154 Resp: 634518

Ion	Ratio	Lower	Upper
154	100		
153	106.2	86.6	129.8
152	50.0	40.4	60.6



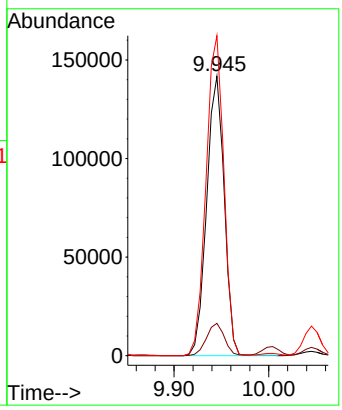


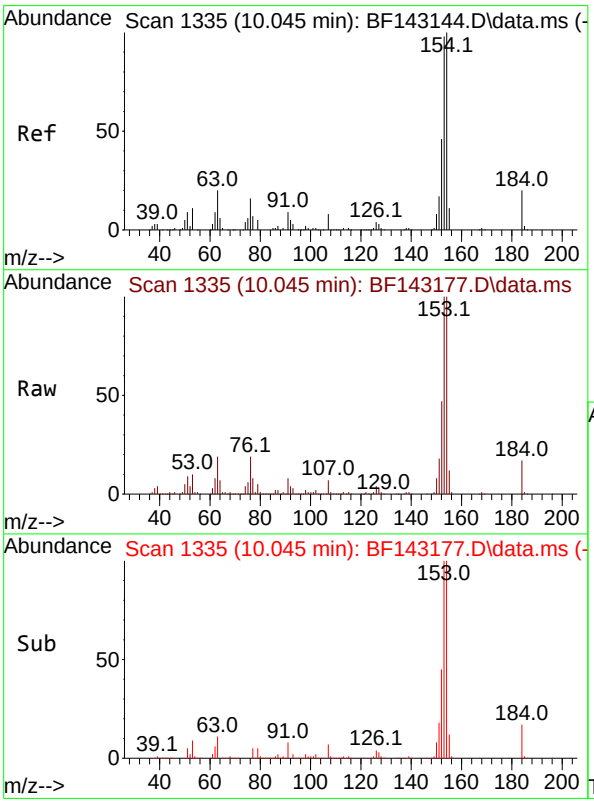
#53
3-Nitroaniline
Concen: 41.017 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 182622

Ion	Ratio	Lower	Upper
138	100		
108	11.6	9.0	13.6
92	114.5	93.0	139.4

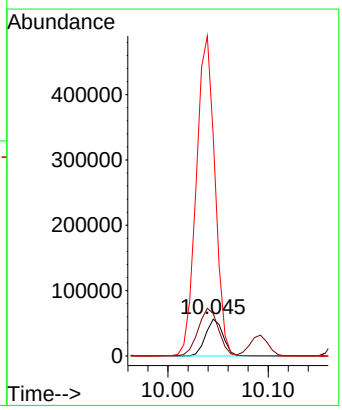


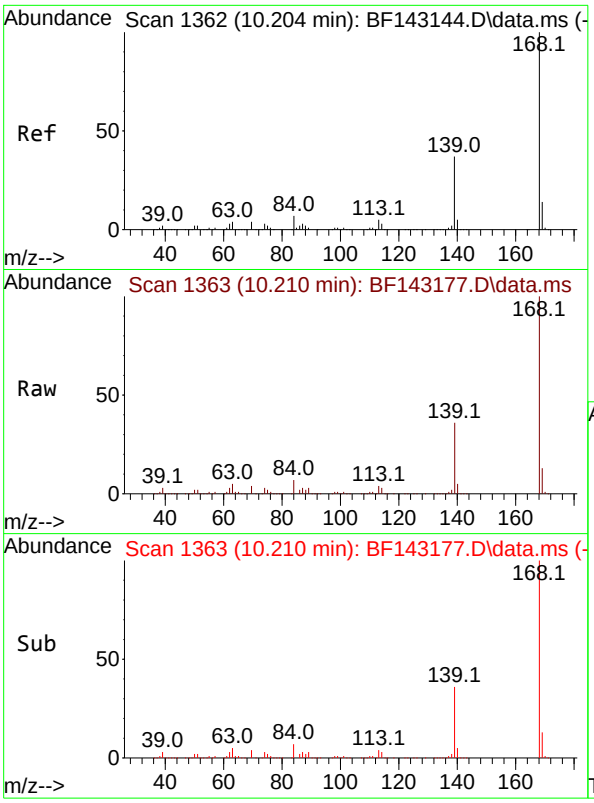


#54
2,4-Dinitrophenol
Concen: 43.071 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:184 Resp: 68517

Ion	Ratio	Lower	Upper
184	100		
63	115.4	81.8	122.6
154	597.0	412.2	618.4



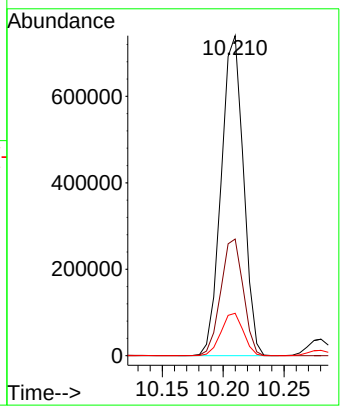


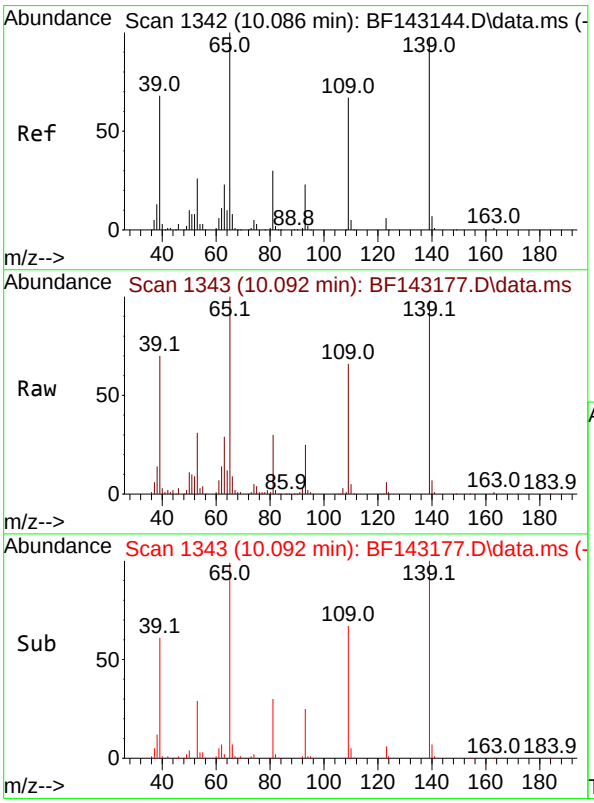
#55
Dibenzofuran
Concen: 38.679 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 942628

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.5	44.3
169	13.2	10.9	16.3

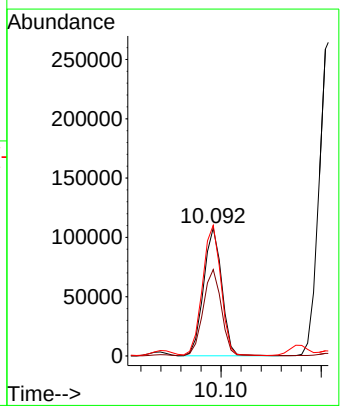


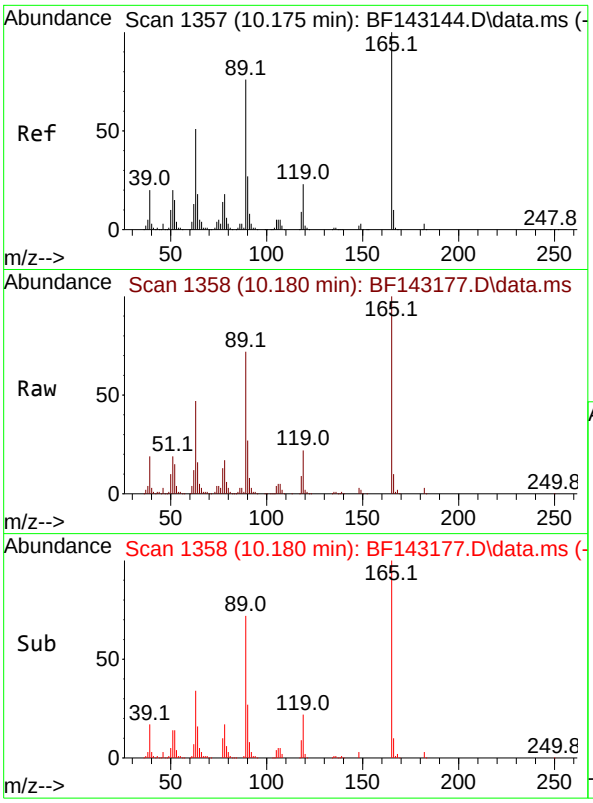


#56
4-Nitrophenol
Concen: 41.010 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:139 Resp: 136348

Ion	Ratio	Lower	Upper
139	100		
109	67.6	48.5	88.5
65	102.2	83.4	123.4



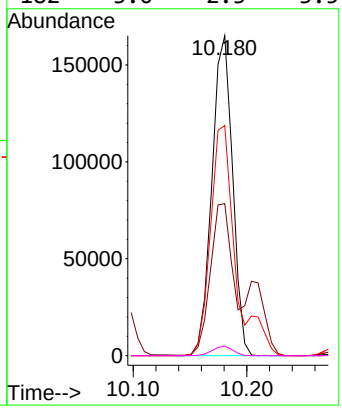


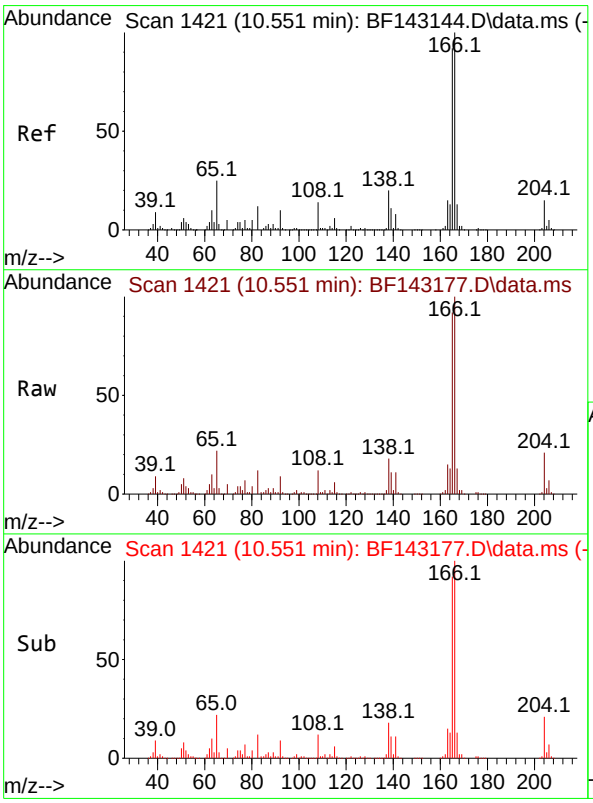
#57
2,4-Dinitrotoluene
Concen: 43.658 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 208497

Ion	Ratio	Lower	Upper
165	100		
63	47.5	41.0	61.4
89	72.0	61.1	91.7
182	3.0	2.3	3.5

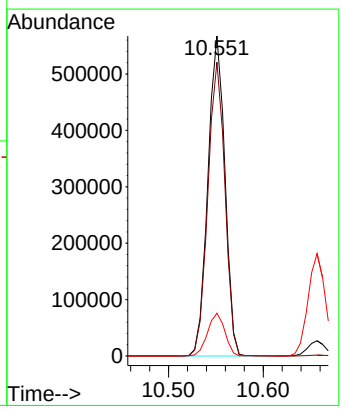


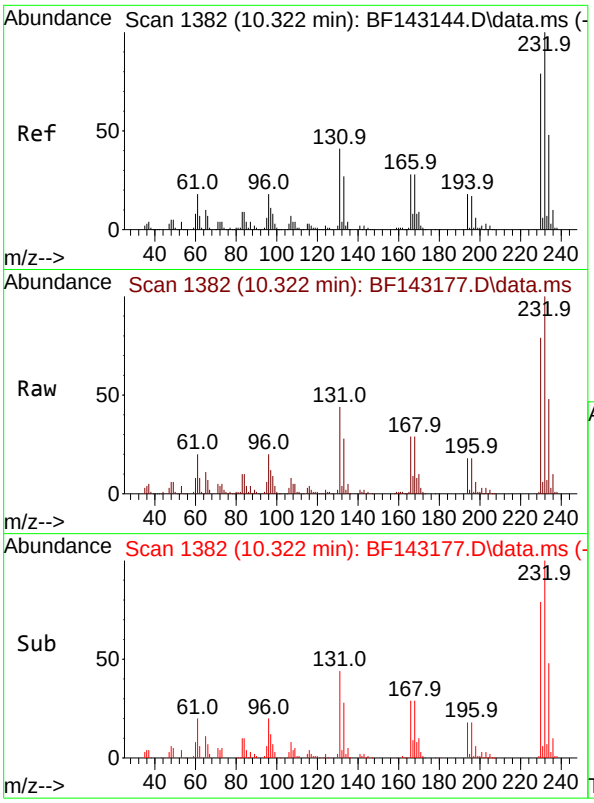


#58
Fluorene
Concen: 38.582 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:166 Resp: 705686

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.4	10.6	16.0



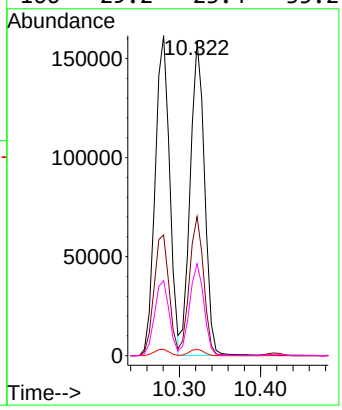


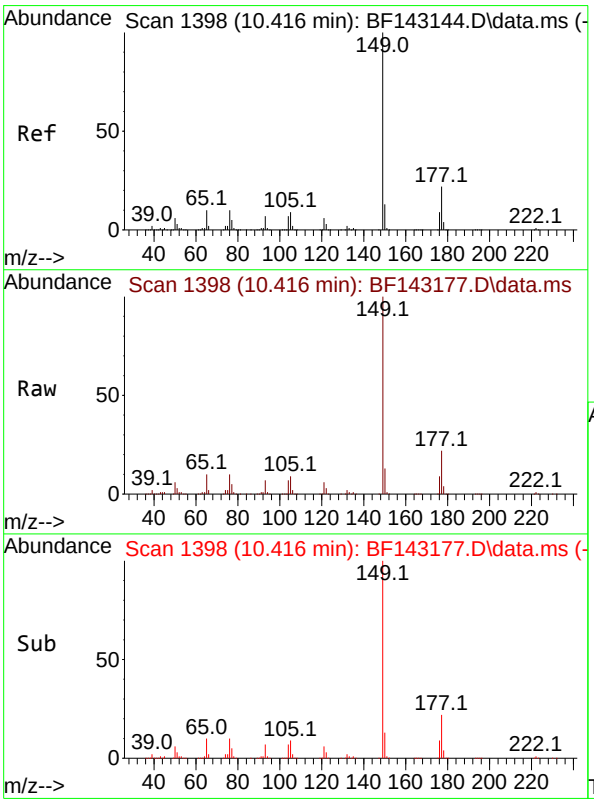
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.130 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 195488

Ion	Ratio	Lower	Upper
232	100		
131	43.9	35.3	52.9
130	2.1	1.7	2.5
166	29.2	23.4	35.2

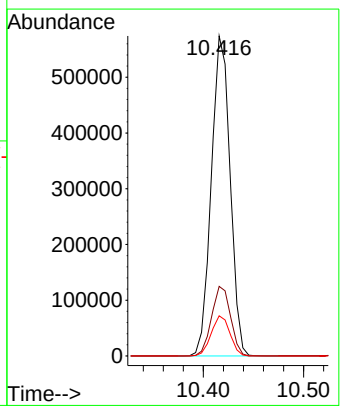


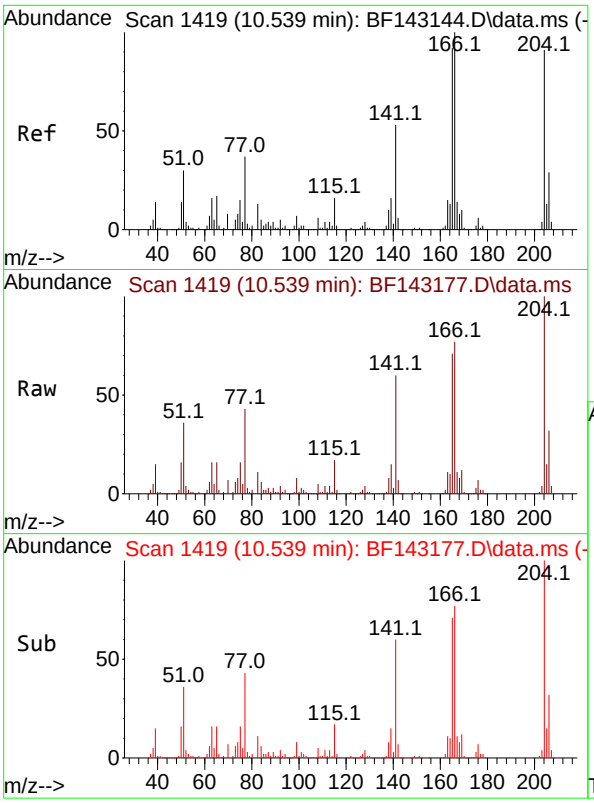


#60
Diethylphthalate
Concen: 40.297 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 745293

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.5	26.3
150	12.5	10.2	15.2



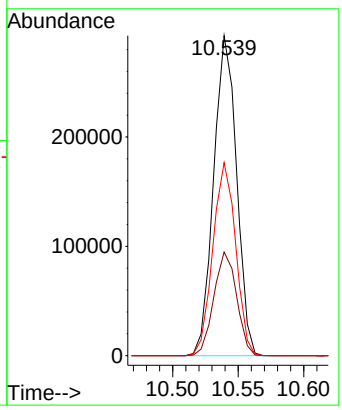


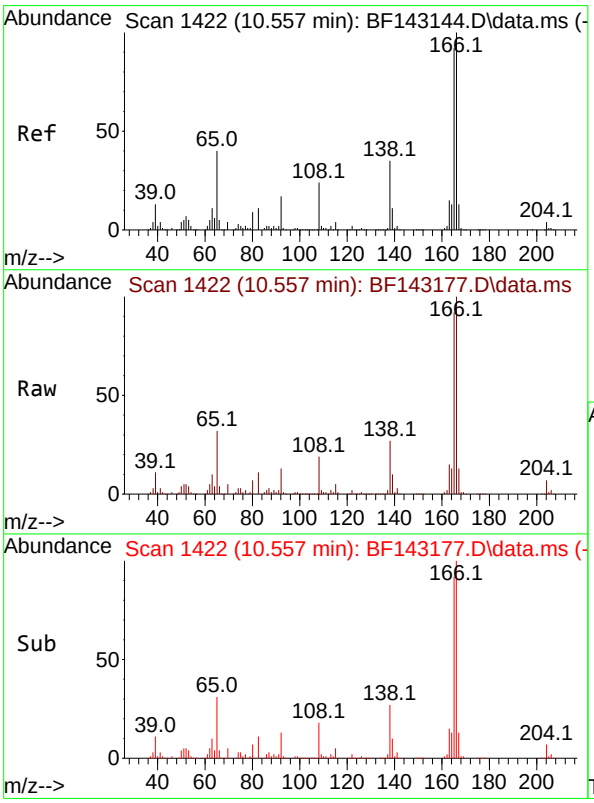
#61
4-Chlorophenyl-phenylether
Concen: 39.006 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 355248

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	60.4	47.0	70.4

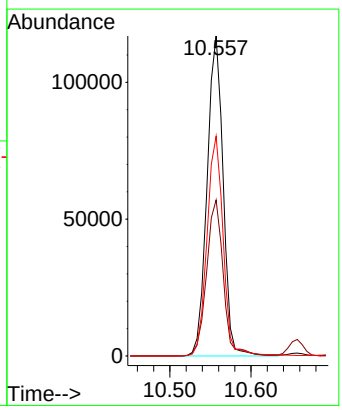


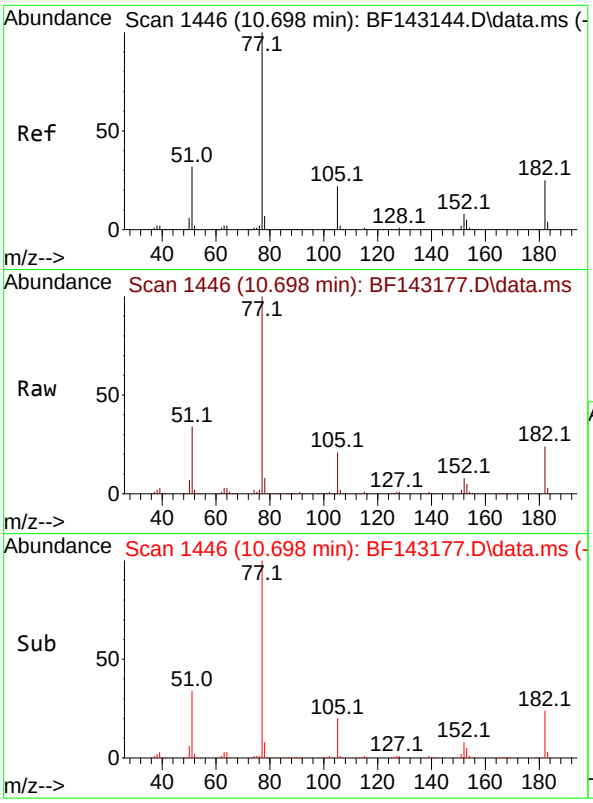


#62
4-Nitroaniline
Concen: 42.030 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:138 Resp: 160383

Ion	Ratio	Lower	Upper
138	100		
92	48.8	29.3	69.3
108	68.6	48.3	88.3



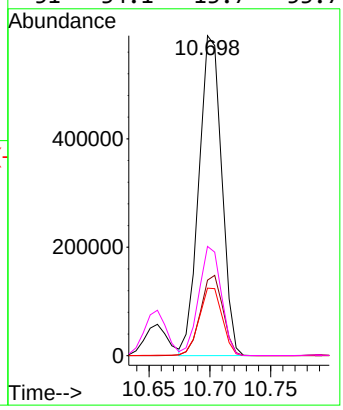


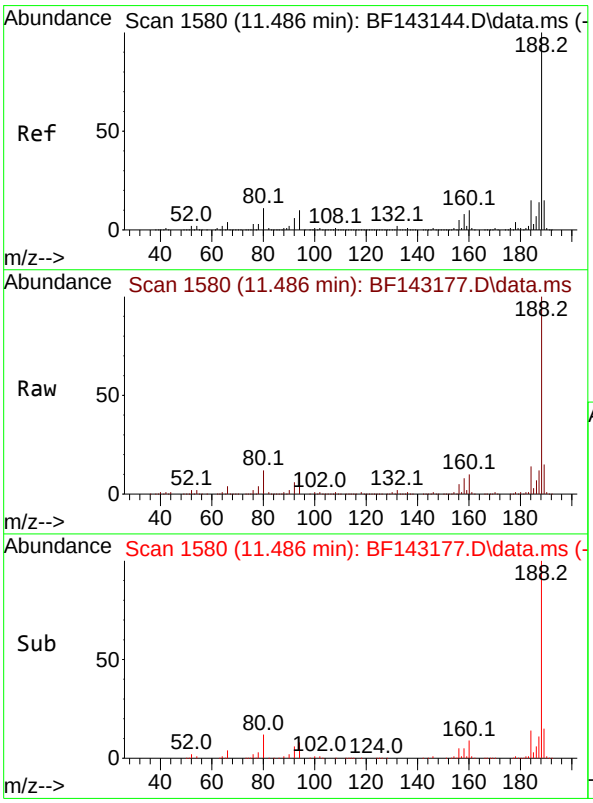
#63
Azobenzene
Concen: 39.955 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 770158

Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.6	44.6
105	21.1	1.4	41.4
51	34.1	13.7	53.7

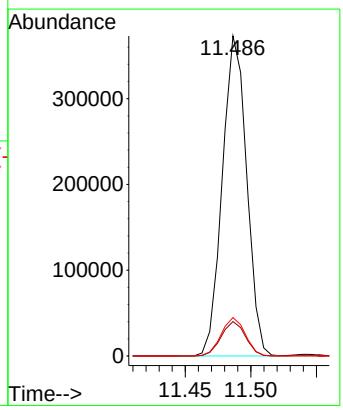


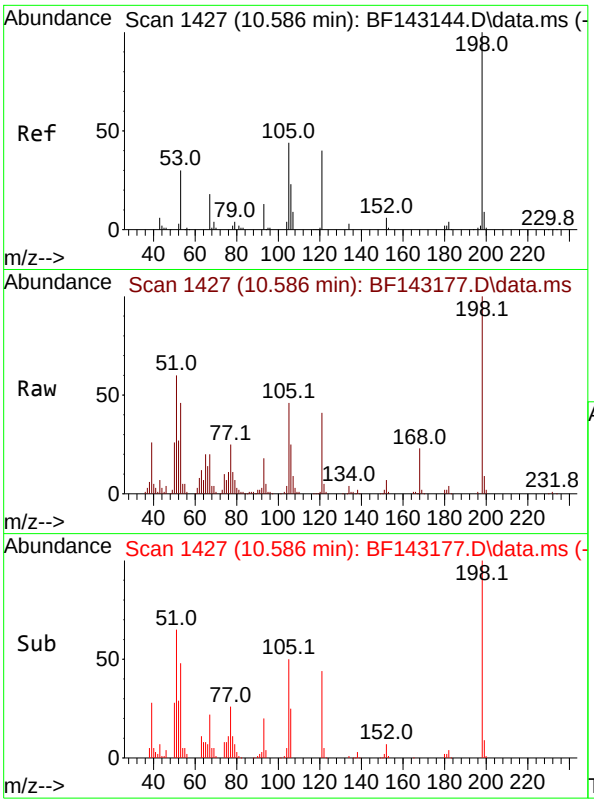


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:188 Resp: 481775

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	12.0	9.0	13.6



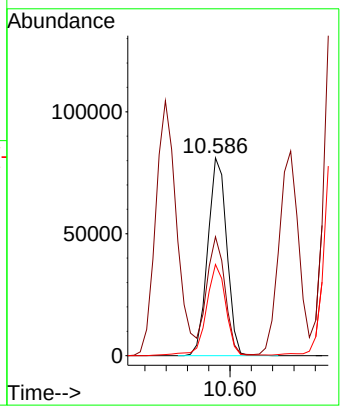


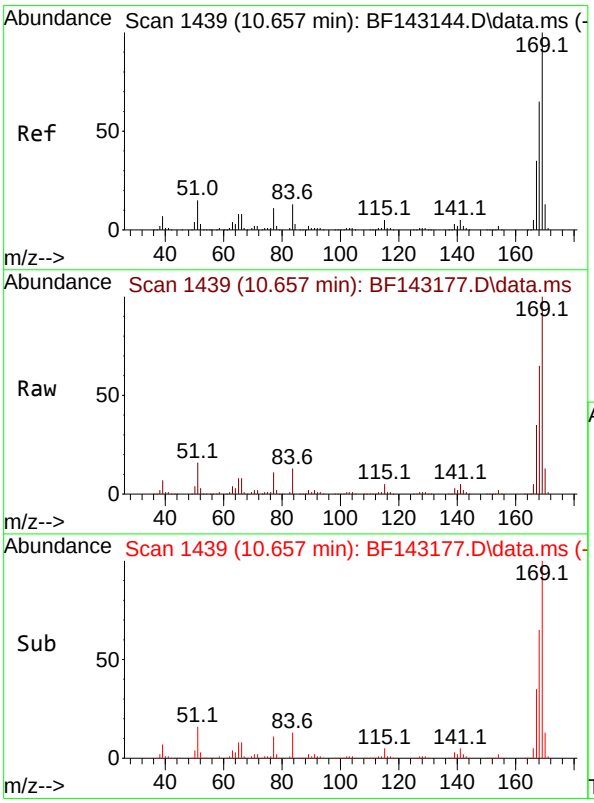
#65
4,6-Dinitro-2-methylphenol
Concen: 40.643 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 100286

Ion	Ratio	Lower	Upper
198	100		
51	60.1	37.2	77.2
105	46.2	24.8	64.8

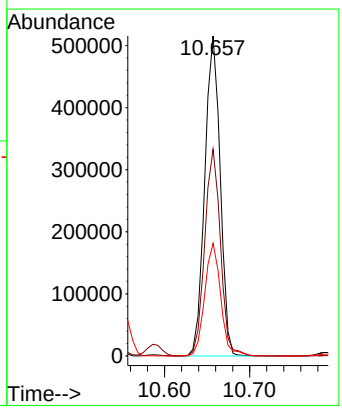


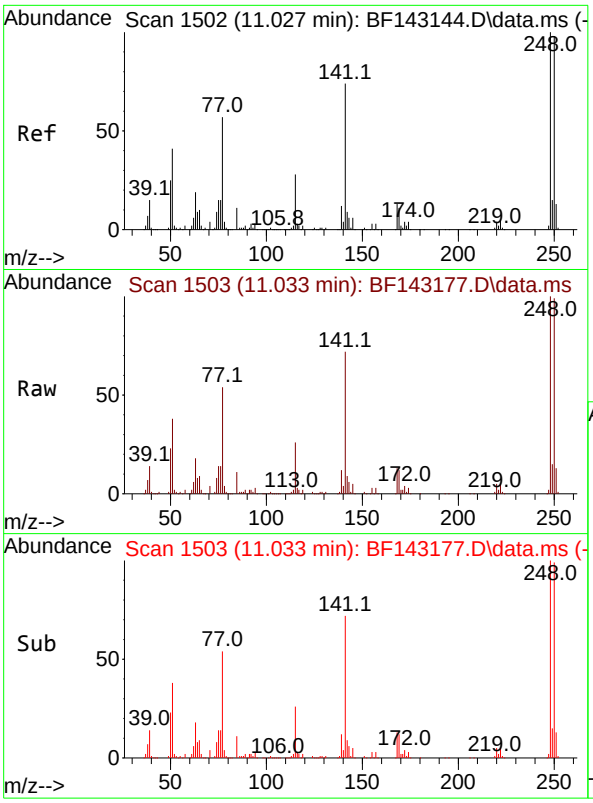


#66
n-Nitrosodiphenylamine
Concen: 38.190 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:169 Resp: 647888

Ion	Ratio	Lower	Upper
169	100		
168	64.6	52.1	78.1
167	35.2	28.2	42.2



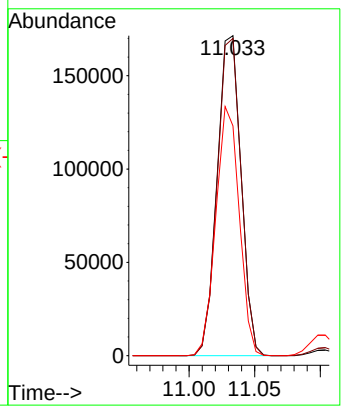


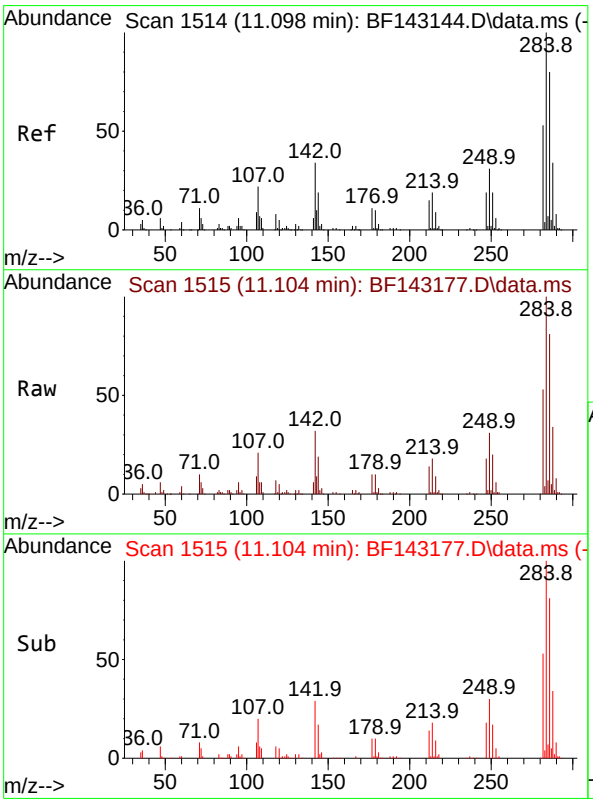
#67
4-Bromophenyl-phenylether
Concen: 37.943 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 217849

Ion	Ratio	Lower	Upper
248	100		
250	99.1	78.3	117.5
141	71.8	59.2	88.8

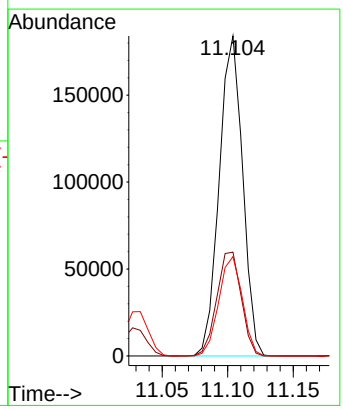


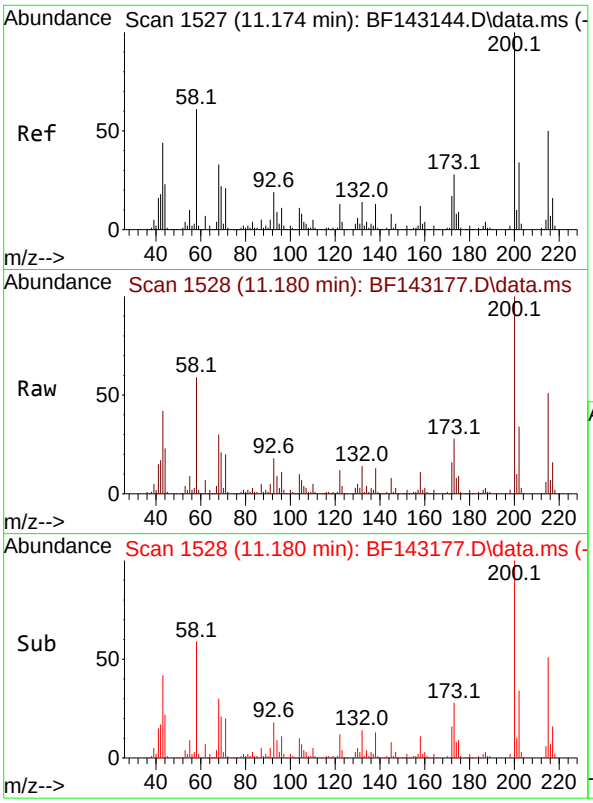


#68
Hexachlorobenzene
Concen: 38.002 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:284 Resp: 228054

Ion	Ratio	Lower	Upper
284	100		
142	32.5	27.0	40.6
249	31.1	25.0	37.6



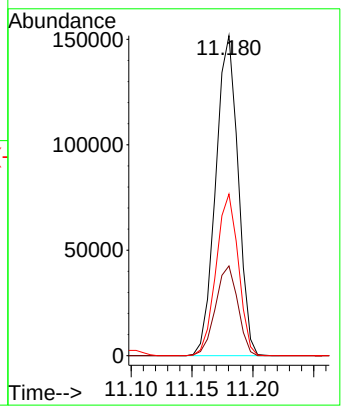


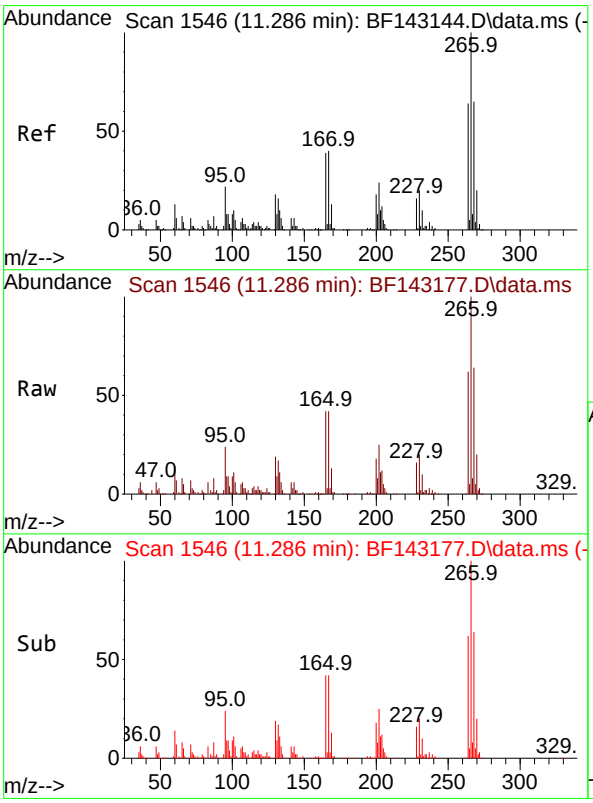
#69
Atrazine
Concen: 41.506 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 194126

Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.9	47.9
215	50.5	30.1	70.1

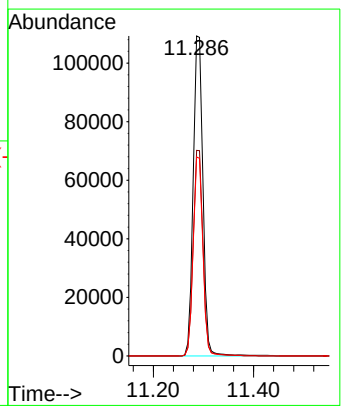


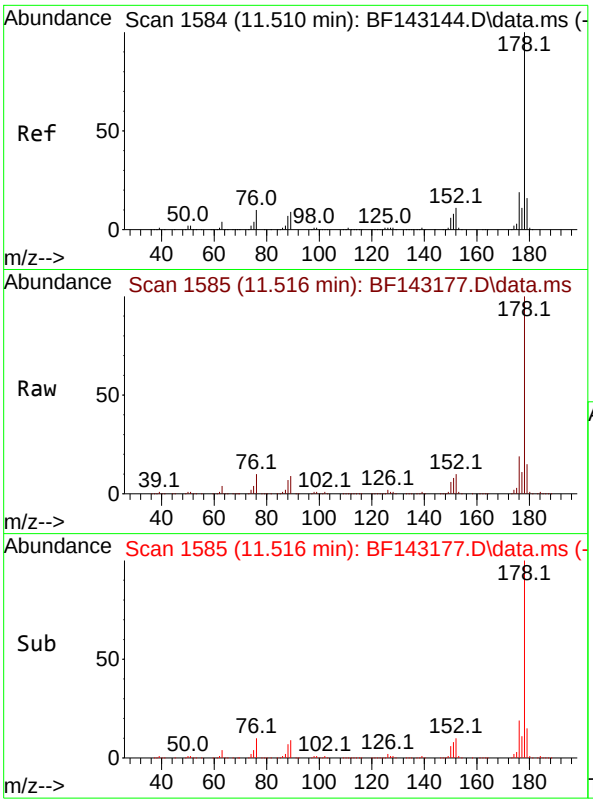


#70
Pentachlorophenol
Concen: 41.596 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:266 Resp: 146798

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.9	77.9
264	62.2	51.0	76.6



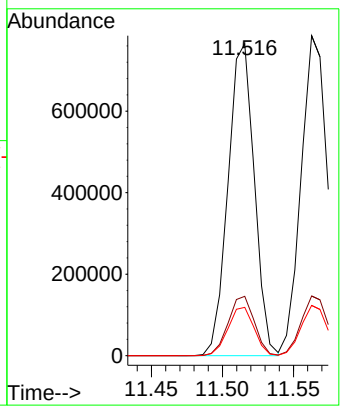


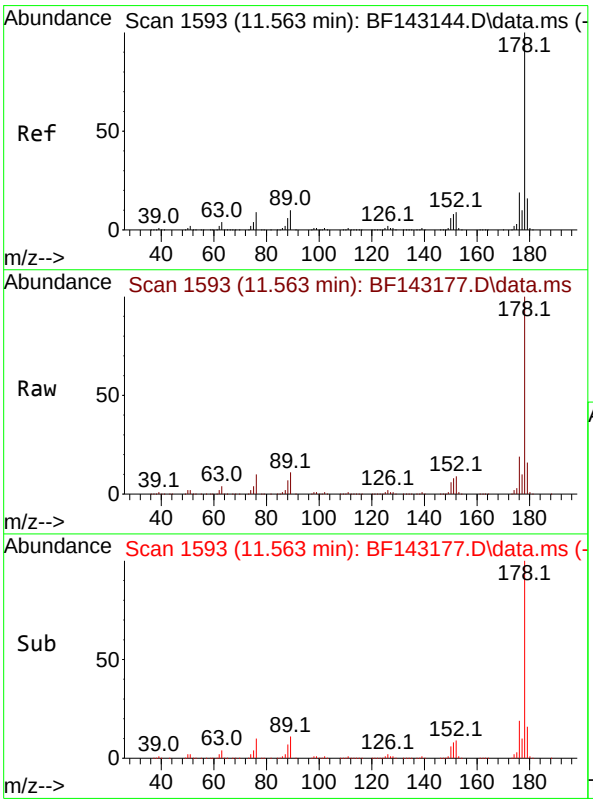
#71
Phenanthrene
Concen: 38.546 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 986033

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.5	12.5	18.7

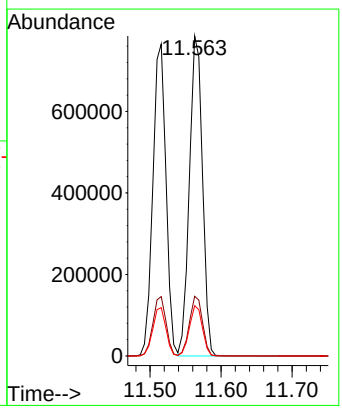


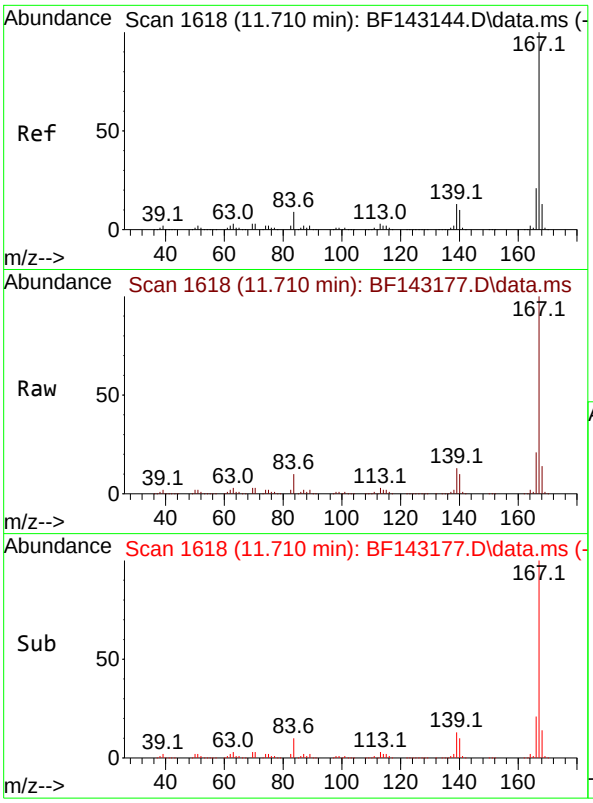


#72
Anthracene
Concen: 38.560 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:178 Resp: 1006010

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.5	18.7



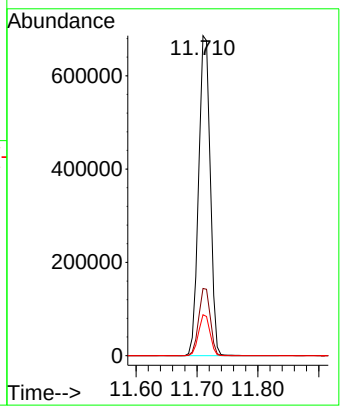


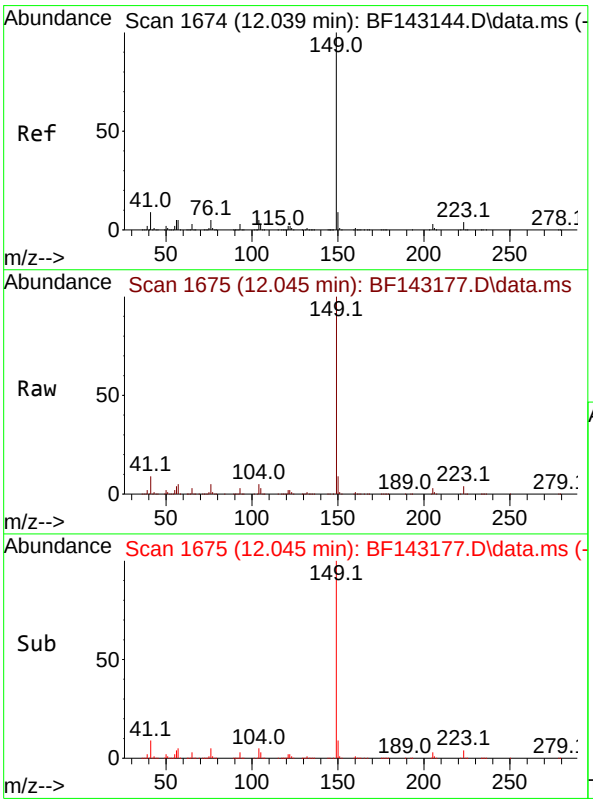
#73
Carbazole
Concen: 39.755 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 905667

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.6
139	12.8	10.0	15.0

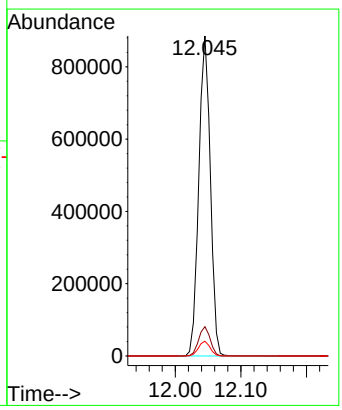


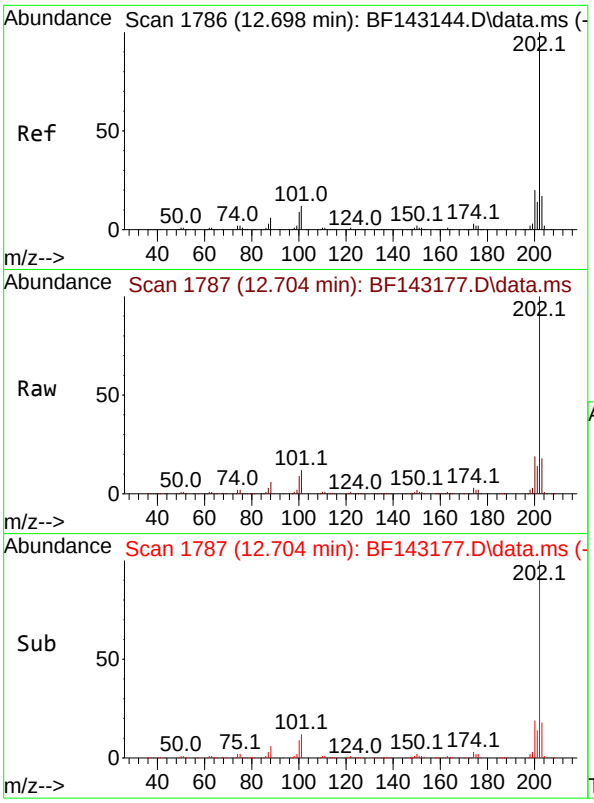


#74
Di-n-butylphthalate
Concen: 42.111 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 1085481

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.6	3.8	5.8



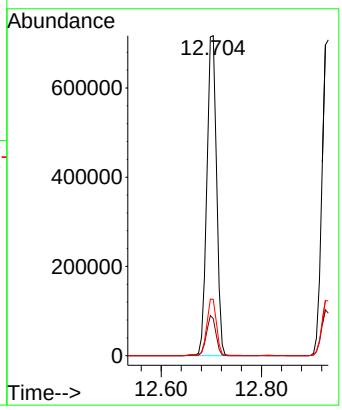


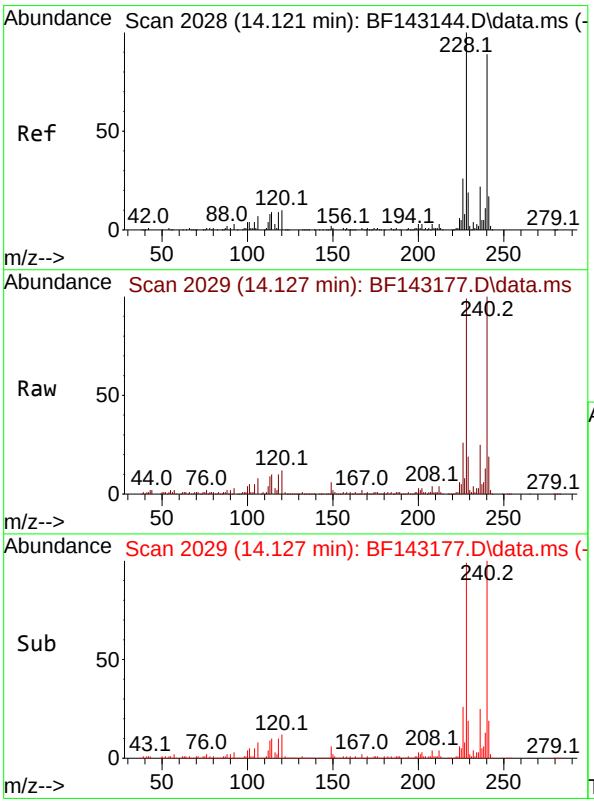
#75
Fluoranthene
Concen: 41.148 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 966154

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.6	0.0	37.4

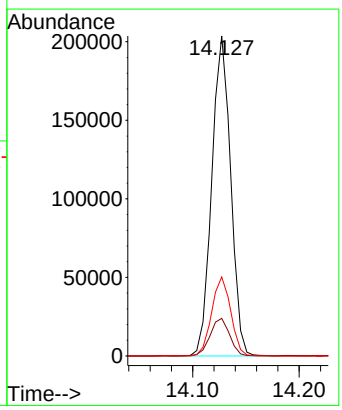


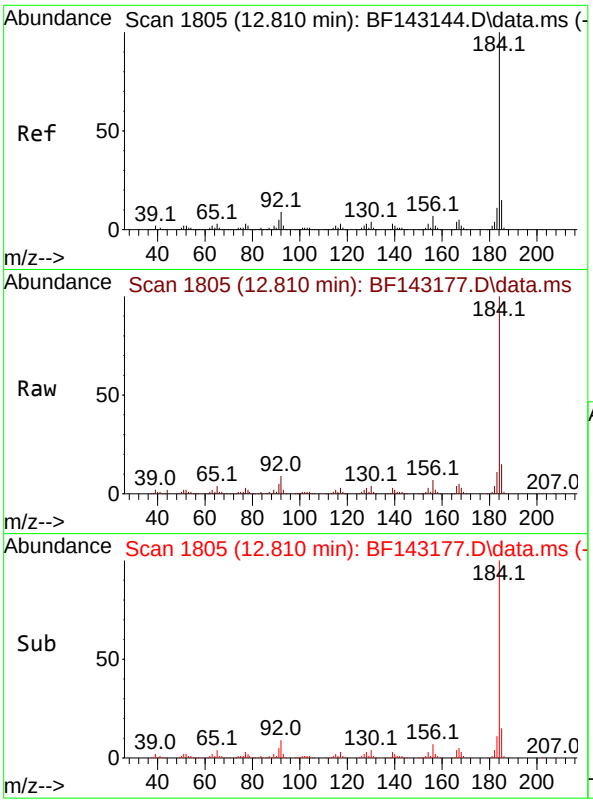


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:240 Resp: 251217

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	24.7	20.2	30.4



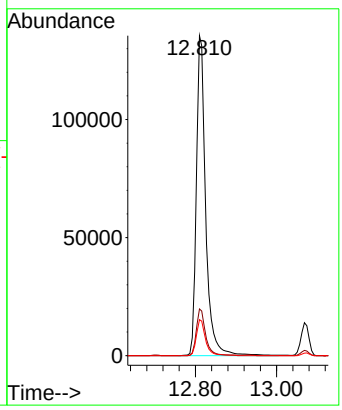


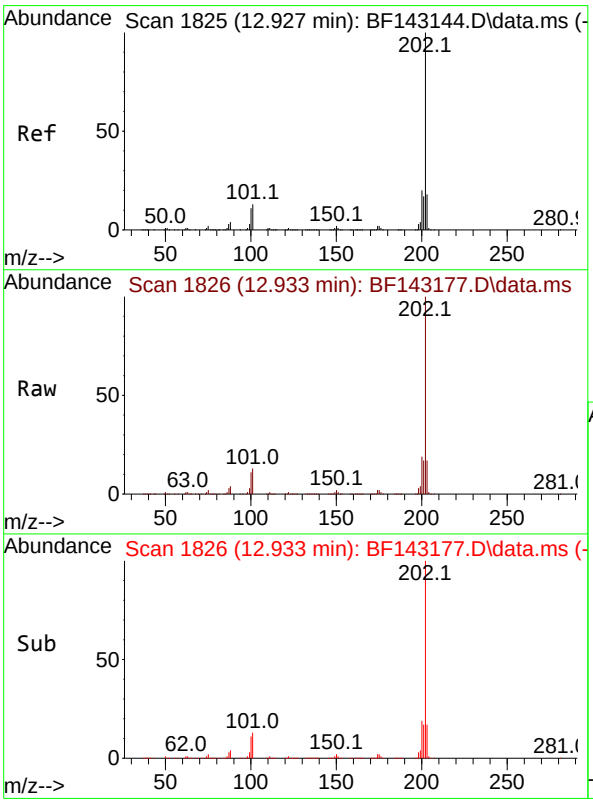
#77
Benzidine
Concen: 22.544 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 218195

Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.2	18.4
183	11.2	9.0	13.4

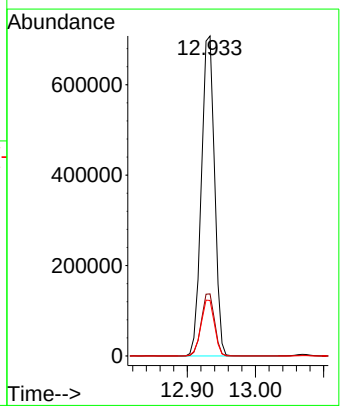


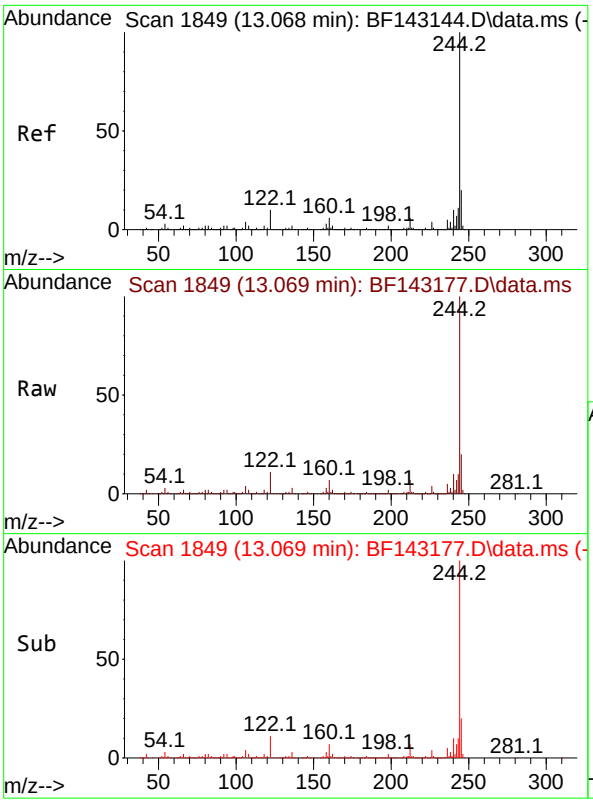


#78
Pyrene
Concen: 44.341 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:202 Resp: 950663

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	17.3	14.2	21.2



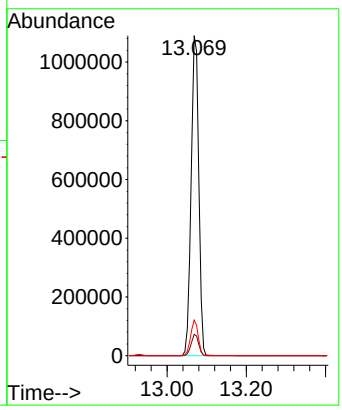


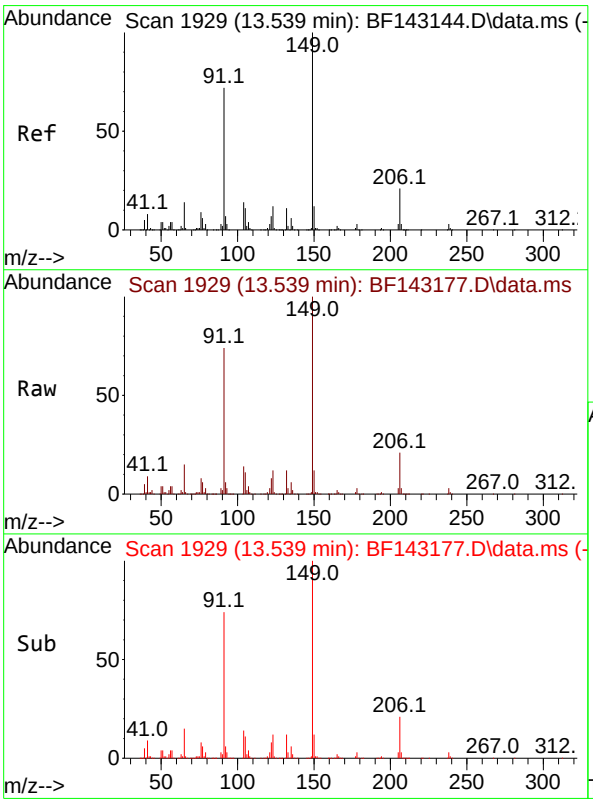
#79
Terphenyl-d14
Concen: 86.285 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1456637

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	11.1	8.2	12.2

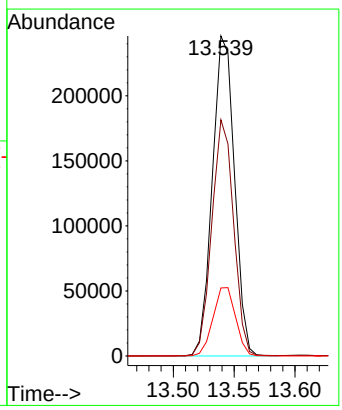


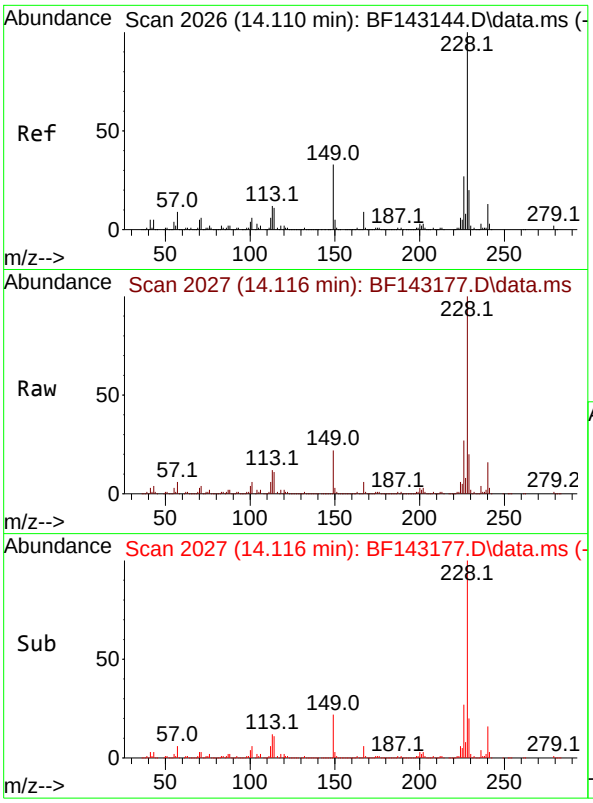


#80
Butylbenzylphthalate
Concen: 47.491 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 311792

Ion	Ratio	Lower	Upper
149	100		
91	73.8	57.9	86.9
206	21.3	17.0	25.4



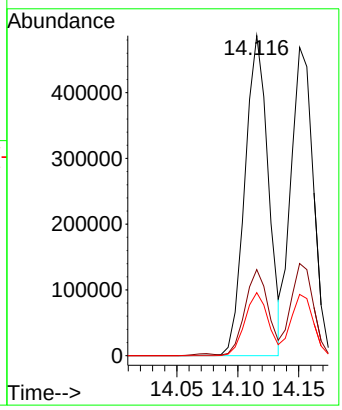


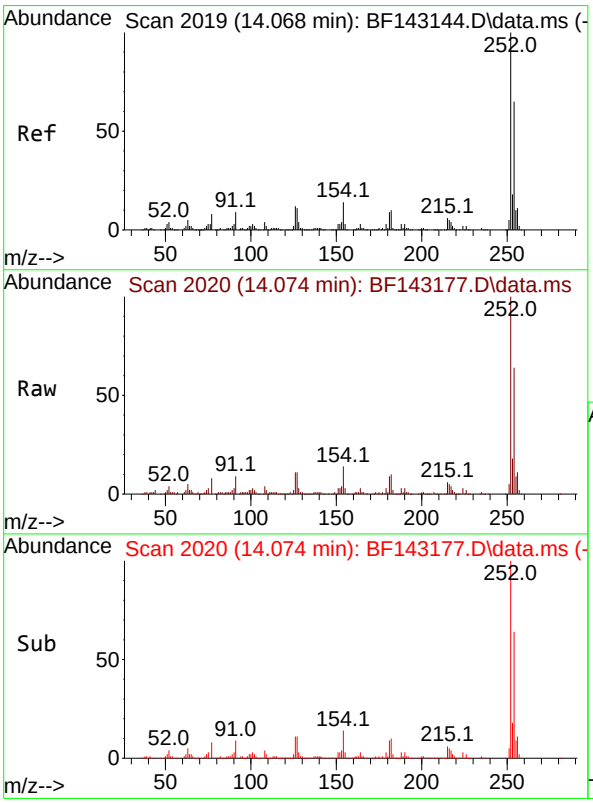
#81
Benzo(a)anthracene
Concen: 38.651 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 650070

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.8	23.6

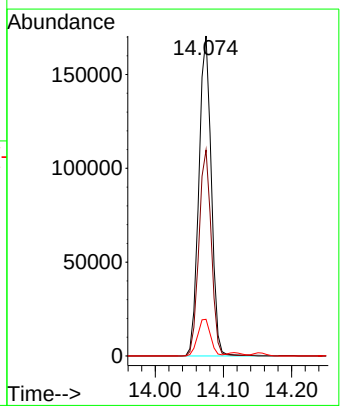


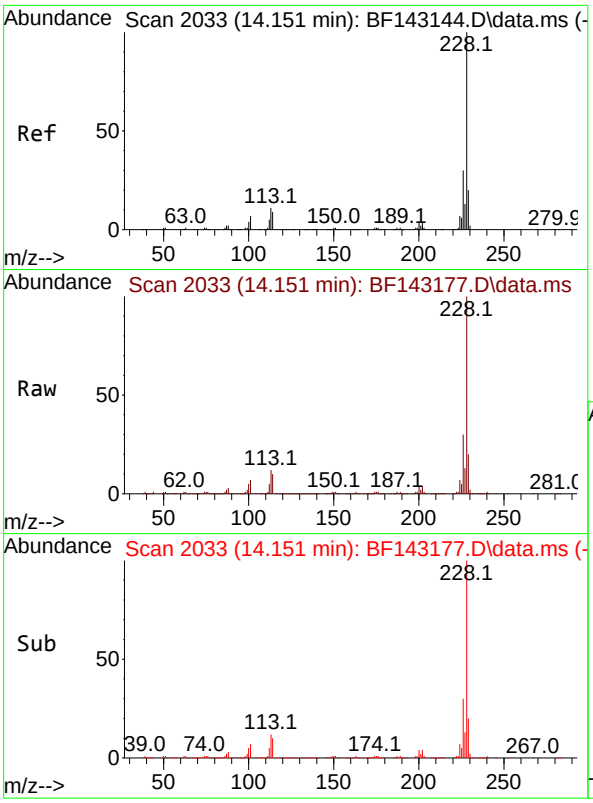


#82
3,3'-Dichlorobenzidine
Concen: 38.517 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:252 Resp: 215912

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.7	77.5
126	11.4	9.4	14.0



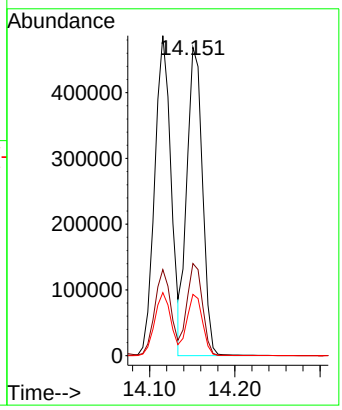


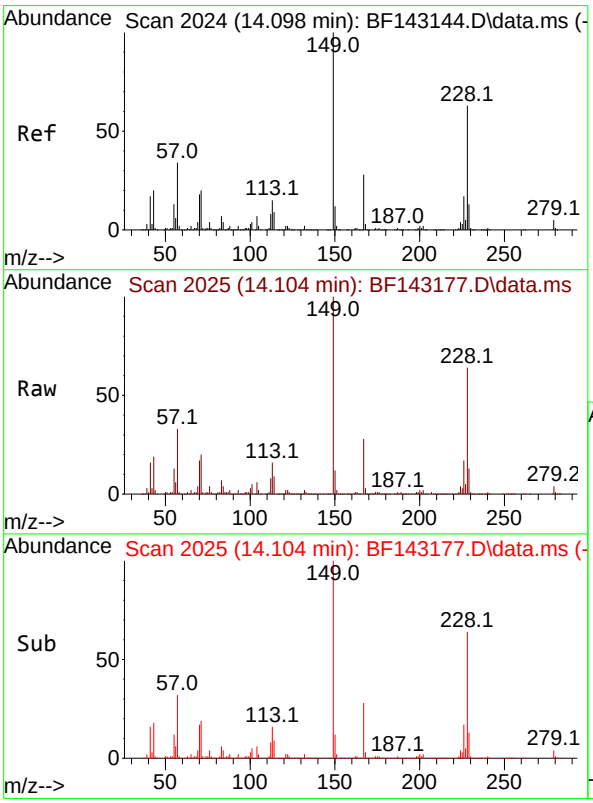
#83
Chrysene
Concen: 39.537 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 597875

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.9	15.6	23.4

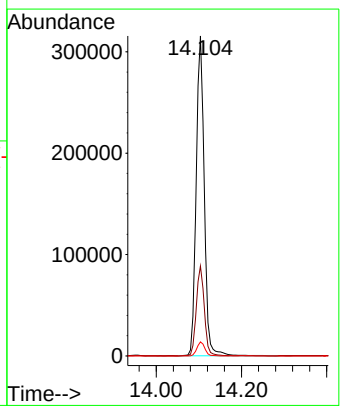


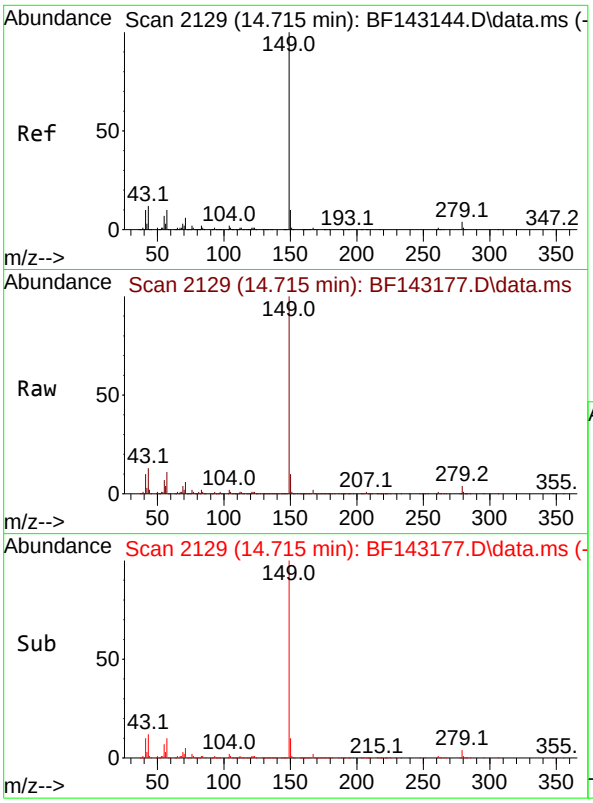


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.663 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:149 Resp: 414006

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.4	3.6	5.4



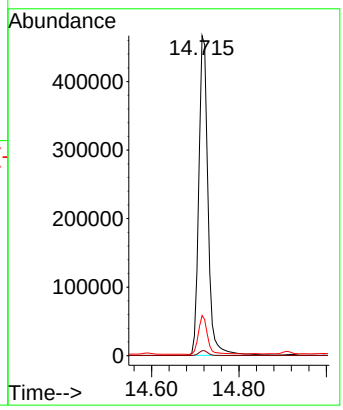


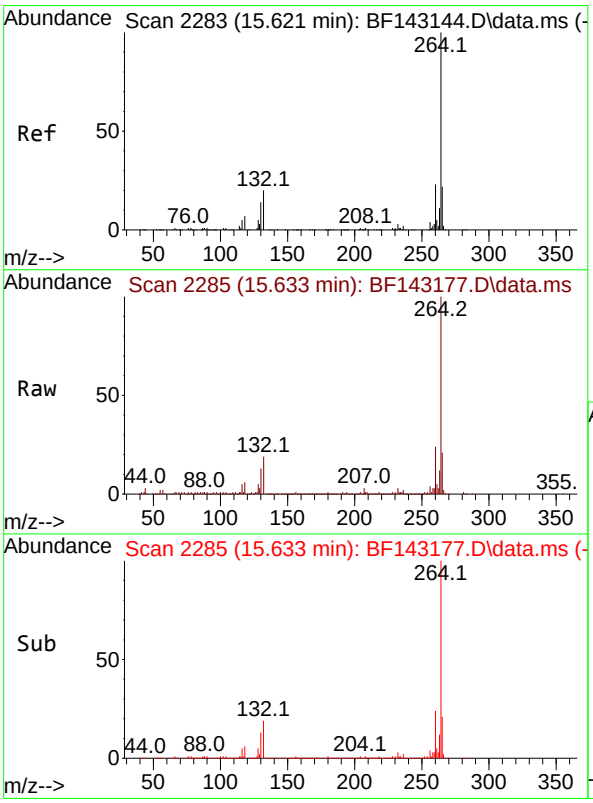
#85
Di-n-octyl phthalate
Concen: 38.026 ng
RT: 14.715 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 684937

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.2	9.7	14.5

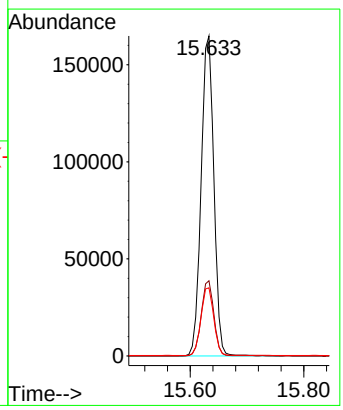


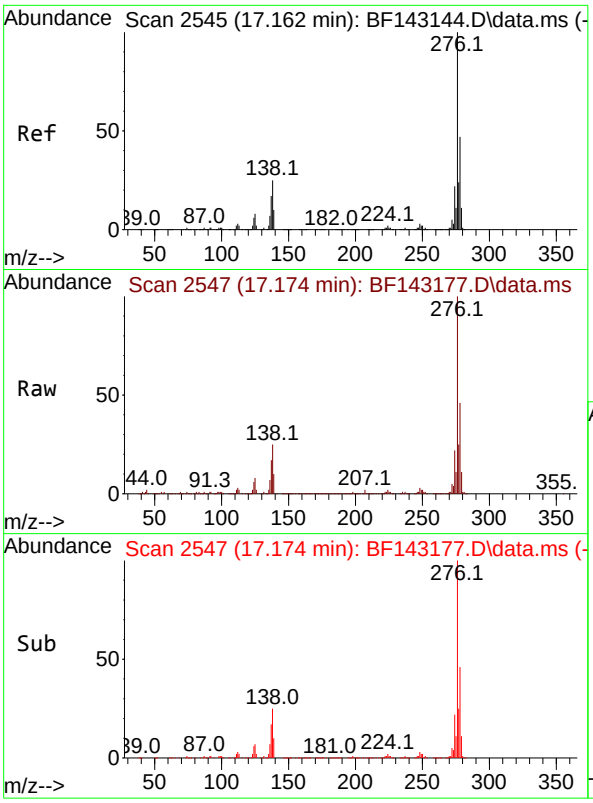


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:264 Resp: 256275

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	21.3	17.4	26.2



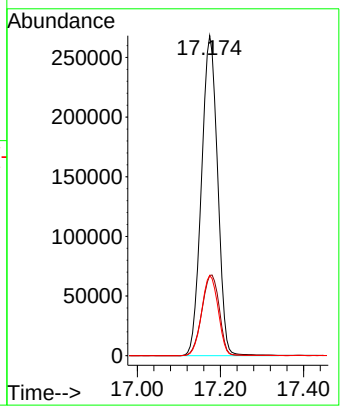


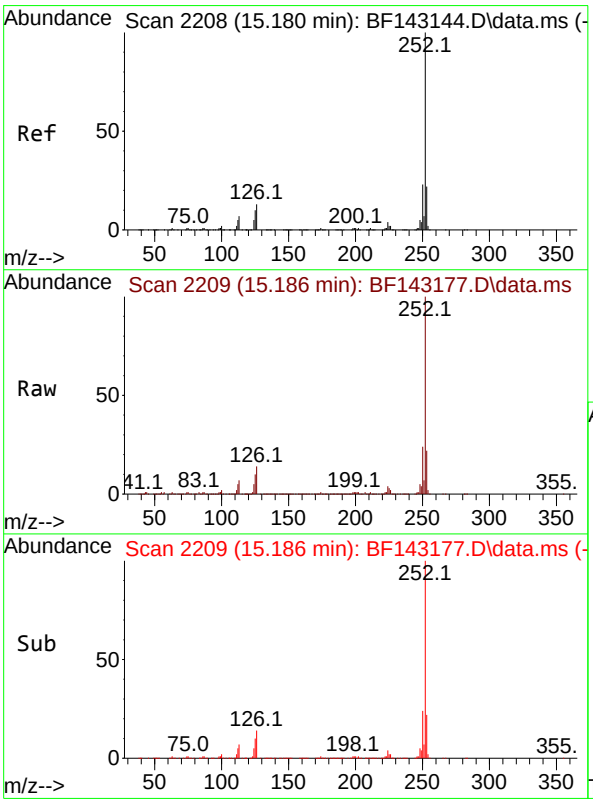
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.981 ng
RT: 17.174 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 722484

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	25.7	20.0	30.0

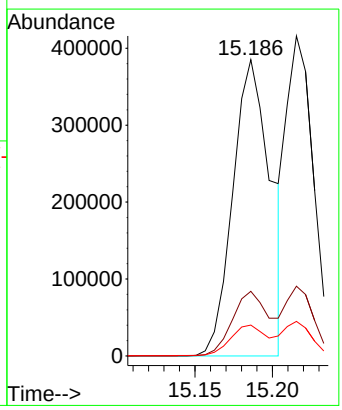


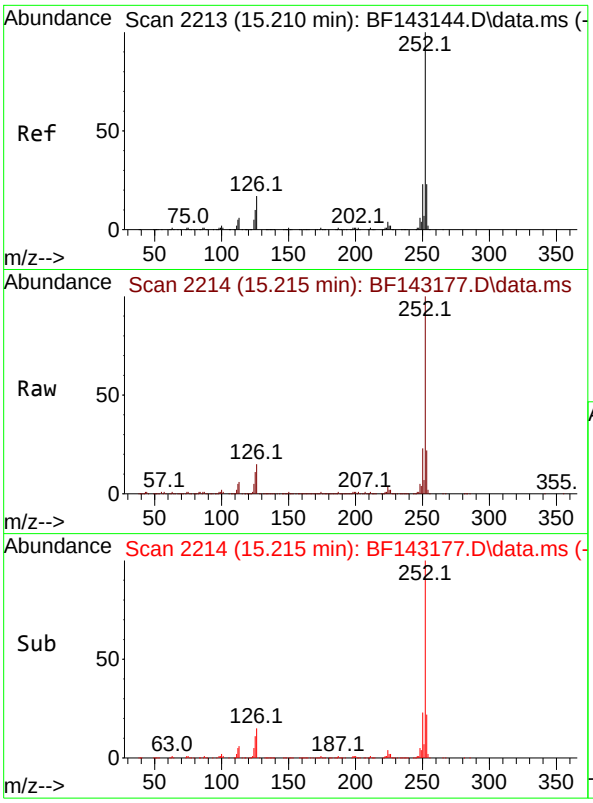


#88
Benzo(b)fluoranthene
Concen: 41.508 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:252 Resp: 649846

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.4	8.0	12.0



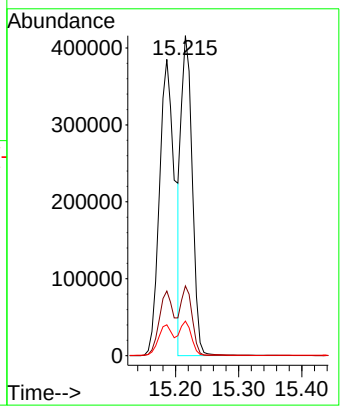


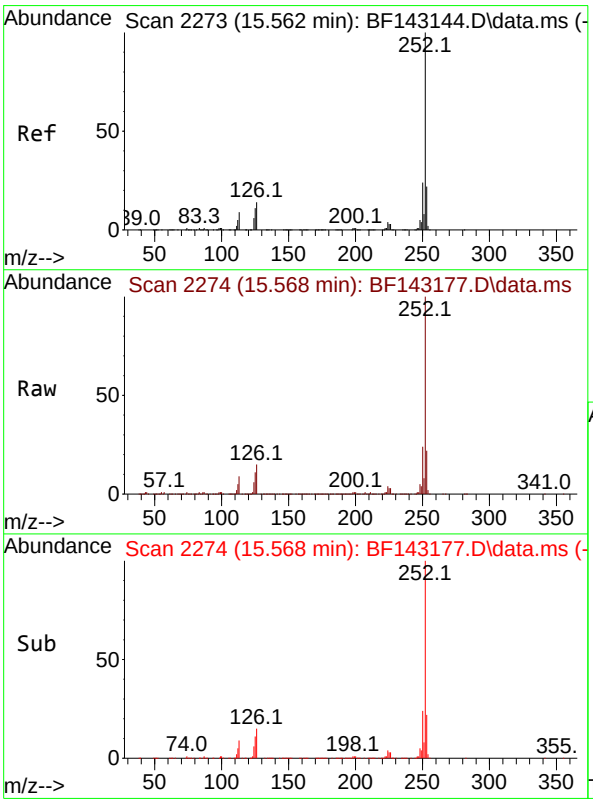
#89
Benzo(k)fluoranthene
Concen: 36.301 ng
RT: 15.215 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 507153

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.8	8.1	12.1

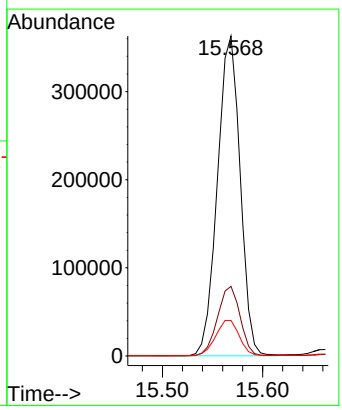


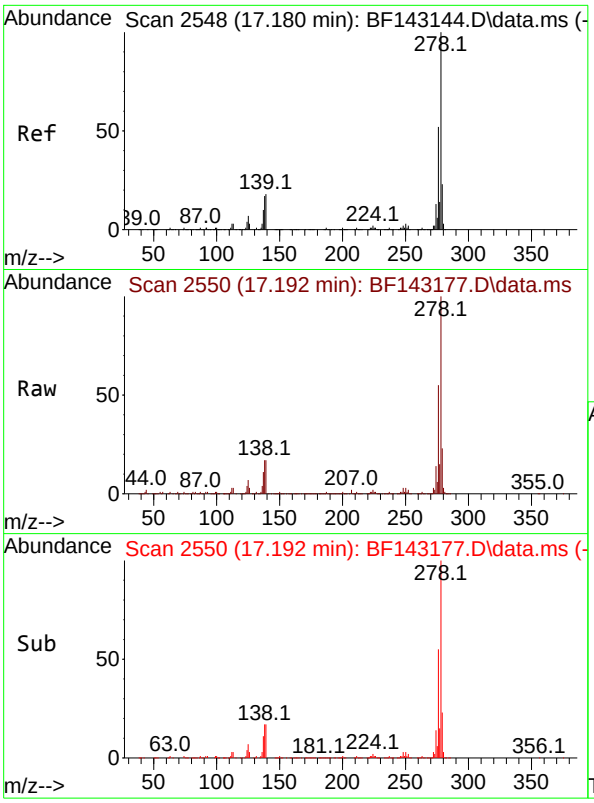


#90
Benzo(a)pyrene
Concen: 39.651 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:252 Resp: 571955

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.1	8.6	13.0



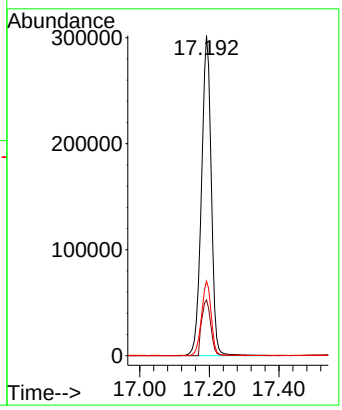


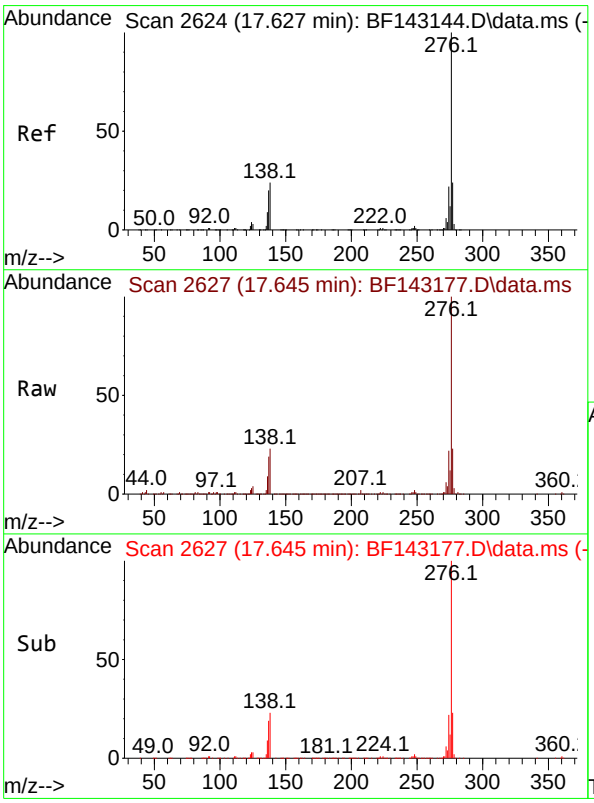
#91
Dibenzo(a,h)anthracene
Concen: 40.175 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 590913

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.1	21.1
279	23.3	18.6	28.0

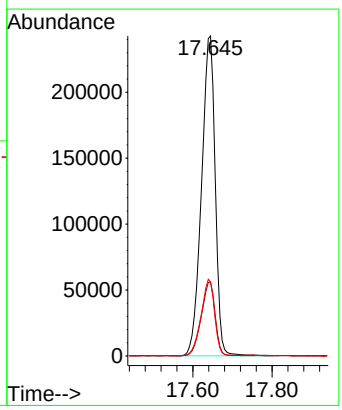




#92
Benzo(g,h,i)perylene
Concen: 40.914 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143177.D
Acq: 22 Jul 2025 08:46

Tgt Ion:276 Resp: 582117

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.1	28.7
138	23.1	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	82	0.00
2		1,4-Dioxane	0.598	0.585	2.2	80	0.00
3		Pyridine	1.552	1.500	3.4	81	0.00
4		n-Nitrosodimethylamine	0.801	0.791	1.2	80	0.00
5	S	2-Fluorophenol	1.264	1.232	2.5	82	0.00
6		Aniline	2.217	2.172	2.0	81	0.00
7	S	Phenol-d6	1.591	1.553	2.4	82	0.00
8		2-Chlorophenol	1.325	1.316	0.7	83	0.00
9		Benzaldehyde	1.193	3.850	-222.7#	220#	0.00
10	C	Phenol	1.733	1.796	-3.6	86	0.00
11		bis(2-Chloroethyl)ether	1.327	1.294	2.5	82	0.00
12		1,3-Dichlorobenzene	1.439	1.406	2.3	83	0.00
13	C	1,4-Dichlorobenzene	1.449	1.428	1.4	83	0.00
14		1,2-Dichlorobenzene	1.378	1.362	1.2	84	0.00
15		Benzyl Alcohol	1.215	1.225	-0.8	83	0.00
16		2,2'-oxybis(1-Chloropropane	2.461	2.438	0.9	83	0.00
17		2-Methylphenol	1.114	1.106	0.7	83	0.00
18		Hexachloroethane	0.502	0.506	-0.8	84	0.00
19	P	n-Nitroso-di-n-propylamine	1.021	0.990	3.0	83	0.00
20		3+4-Methylphenols	1.351	1.380	-2.1	85	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	84	0.00
22		Acetophenone	0.474	0.452	4.6	84	0.00
23	S	Nitrobenzene-d5	0.401	0.400	0.2	85	0.00
24		Nitrobenzene	0.374	0.373	0.3	84	0.00
25		Isophorone	0.708	0.698	1.4	85	0.00
26	C	2-Nitrophenol	0.162	0.172	-6.2	84	0.00
27		2,4-Dimethylphenol	0.331	0.323	2.4	84	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.411	3.3	84	0.00
29	C	2,4-Dichlorophenol	0.279	0.274	1.8	84	0.00
30		1,2,4-Trichlorobenzene	0.302	0.291	3.6	83	0.00
31		Naphthalene	0.985	0.952	3.4	84	0.00
32		Benzoic acid	0.169	0.194	-14.8	91	0.00
33		4-Chloroaniline	0.402	0.395	1.7	85	0.00
34	C	Hexachlorobutadiene	0.184	0.179	2.7	83	0.00
35		Caprolactam	0.084	0.092	-9.5	89	0.00
36	C	4-Chloro-3-methylphenol	0.303	0.304	-0.3	85	0.00
37		2-Methylnaphthalene	0.599	0.584	2.5	85	0.00
38		1-Methylnaphthalene	0.617	0.609	1.3	86	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	0.577	0.542	6.1	85	0.00
41	P	Hexachlorocyclopentadiene	0.376	0.365	2.9	85	0.00
42	S	2,4,6-Tribromophenol	0.207	0.215	-3.9	88	0.00
43	C	2,4,6-Trichlorophenol	0.400	0.387	3.3	87	0.00
44		2,4,5-Trichlorophenol	0.400	0.396	1.0	85	0.00
45	S	2-Fluorobiphenyl	1.462	1.361	6.9	87	0.00
46		1,1'-Biphenyl	1.560	1.485	4.8	86	0.00
47		2-Chloronaphthalene	1.155	1.099	4.8	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	0.362	0.383	-5.8	88	0.00
49		Acenaphthylene	1.935	1.864	3.7	87	0.00
50		Dimethylphthalate	1.304	1.287	1.3	87	0.00
51		2,6-Dinitrotoluene	0.265	0.284	-7.2	89	0.00
52	C	Acenaphthene	1.144	1.105	3.4	87	0.00
53		3-Nitroaniline	0.310	0.318	-2.6	87	0.00
54	P	2,4-Dinitrophenol	0.098	0.119	-21.4	99	0.00
55		Dibenzofuran	1.698	1.642	3.3	87	0.00
56	P	4-Nitrophenol	0.232	0.237	-2.2	84	0.00
57		2,4-Dinitrotoluene	0.333	0.363	-9.0	89	0.00
58		Fluorene	1.274	1.229	3.5	88	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.340	-2.7	89	0.00
60		Diethylphthalate	1.289	1.298	-0.7	88	0.00
61		4-Chlorophenyl-phenylether	0.635	0.619	2.5	87	0.00
62		4-Nitroaniline	0.266	0.279	-4.9	86	0.00
63		Azobenzene	1.343	1.341	0.1	88	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	0.094	0.104	-10.6	95	0.00
66	c	n-Nitrosodiphenylamine	0.704	0.672	4.5	89	0.00
67		4-Bromophenyl-phenylether	0.238	0.226	5.0	88	0.00
68		Hexachlorobenzene	0.249	0.237	4.8	88	0.00
69		Atrazine	0.194	0.201	-3.6	91	0.00
70	C	Pentachlorophenol	0.147	0.152	-3.4	91	0.00
71		Phenanthrene	1.062	1.023	3.7	89	0.00
72		Anthracene	1.083	1.044	3.6	89	0.00
73		Carbazole	0.946	0.940	0.6	90	0.00
74		Di-n-butylphthalate	1.070	1.127	-5.3	93	0.00
75	C	Fluoranthene	0.975	1.003	-2.9	93	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	85	0.00
77		Benzidine	0.771	0.434	43.7#	39#	0.00
78		Pyrene	1.707	1.892	-10.8	93	0.00
79	S	Terphenyl-d14	1.344	1.450	-7.9	94	0.00
80		Butylbenzylphthalate	0.523	0.621	-18.7	97	0.00
81		Benzo(a)anthracene	1.339	1.294	3.4	86	0.00
82		3,3'-Dichlorobenzidine	0.446	0.430	3.6	85	0.00
83		Chrysene	1.204	1.190	1.2	84	0.00
84		Bis(2-ethylhexyl)phthalate	0.791	0.824	-4.2	88	0.00
85	c	Di-n-octyl phthalate	1.434	1.363	5.0	84	0.00
86	I	Perylene-d12	1.000	1.000	0.0	79	0.01
87		Indeno(1,2,3-cd)pyrene	1.410	1.410	0.0	79	0.01
88		Benzo(b)fluoranthene	1.222	1.268	-3.8	88	0.00
89		Benzo(k)fluoranthene	1.090	0.989	9.3	69	0.00
90	C	Benzo(a)pyrene	1.126	1.116	0.9	79	0.00
91		Dibenzo(a,h)anthracene	1.148	1.153	-0.4	80	0.01
92		Benzo(g,h,i)perylene	1.110	1.136	-2.3	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	82	0.00
2		1,4-Dioxane	40.000	39.132	2.2	80	0.00
3		Pyridine	40.000	38.657	3.4	81	0.00
4		n-Nitrosodimethylamine	40.000	39.459	1.4	80	0.00
5	S	2-Fluorophenol	80.000	77.959	2.6	82	0.00
6		Aniline	40.000	39.186	2.0	81	0.00
7	S	Phenol-d6	80.000	78.075	2.4	82	0.00
8		2-Chlorophenol	40.000	39.740	0.6	83	0.00
9		Benzaldehyde	40.000	129.116	-222.8#	220	0.00
10	C	Phenol	40.000	41.450	-3.6	86	0.00
11		bis(2-Chloroethyl)ether	40.000	38.997	2.5	82	0.00
12		1,3-Dichlorobenzene	40.000	39.079	2.3	83	0.00
13	C	1,4-Dichlorobenzene	40.000	39.415	1.5	83	0.00
14		1,2-Dichlorobenzene	40.000	39.536	1.2	84	0.00
15		Benzyl Alcohol	40.000	40.325	-0.8	83	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.617	1.0	83	0.00
17		2-Methylphenol	40.000	39.715	0.7	83	0.00
18		Hexachloroethane	40.000	40.337	-0.8	84	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.818	3.0	83	0.00
20		3+4-Methylphenols	40.000	40.856	-2.1	85	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	84	0.00
22		Acetophenone	40.000	38.166	4.6	84	0.00
23	S	Nitrobenzene-d5	80.000	79.820	0.2	85	0.00
24		Nitrobenzene	40.000	39.931	0.2	84	0.00
25		Isophorone	40.000	39.403	1.5	85	0.00
26	C	2-Nitrophenol	40.000	42.420	-6.1	84	0.00
27		2,4-Dimethylphenol	40.000	39.039	2.4	84	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.742	3.1	84	0.00
29	C	2,4-Dichlorophenol	40.000	39.284	1.8	84	0.00
30		1,2,4-Trichlorobenzene	40.000	38.597	3.5	83	0.00
31		Naphthalene	40.000	38.661	3.3	84	0.00
32		Benzoic acid	40.000	42.399	-6.0	91	0.00
33		4-Chloroaniline	40.000	39.296	1.8	85	0.00
34	C	Hexachlorobutadiene	40.000	38.797	3.0	83	0.00
35		Caprolactam	40.000	43.497	-8.7	89	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.031	-0.1	85	0.00
37		2-Methylnaphthalene	40.000	38.948	2.6	85	0.00
38		1-Methylnaphthalene	40.000	39.448	1.4	86	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	86	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.530	6.2	85	0.00
41	P	Hexachlorocyclopentadiene	40.000	38.857	2.9	85	0.00
42	S	2,4,6-Tribromophenol	80.000	83.135	-3.9	88	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.716	3.2	87	0.00
44		2,4,5-Trichlorophenol	40.000	39.609	1.0	85	0.00
45	S	2-Fluorobiphenyl	80.000	74.477	6.9	87	0.00
46		1,1'-Biphenyl	40.000	38.059	4.9	86	0.00
47		2-Chloronaphthalene	40.000	38.067	4.8	86	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	42.277	-5.7	88	0.00
49		Acenaphthylene	40.000	38.541	3.6	87	0.00
50		Dimethylphthalate	40.000	39.501	1.2	87	0.00
51		2,6-Dinitrotoluene	40.000	42.869	-7.2	89	0.00
52	C	Acenaphthene	40.000	38.656	3.4	87	0.00
53		3-Nitroaniline	40.000	41.017	-2.5	87	0.00
54	P	2,4-Dinitrophenol	40.000	43.071	-7.7	99	0.00
55		Dibenzofuran	40.000	38.679	3.3	87	0.00
56	P	4-Nitrophenol	40.000	41.010	-2.5	84	0.00
57		2,4-Dinitrotoluene	40.000	43.658	-9.1	89	0.00
58		Fluorene	40.000	38.582	3.5	88	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.130	-2.8	89	0.00
60		Diethylphthalate	40.000	40.297	-0.7	88	0.00
61		4-Chlorophenyl-phenylether	40.000	39.006	2.5	87	0.00
62		4-Nitroaniline	40.000	42.030	-5.1	86	0.00
63		Azobenzene	40.000	39.955	0.1	88	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	89	0.00
65		4,6-Dinitro-2-methylphenol	40.000	40.643	-1.6	95	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.190	4.5	89	0.00
67		4-Bromophenyl-phenylether	40.000	37.943	5.1	88	0.00
68		Hexachlorobenzene	40.000	38.002	5.0	88	0.00
69		Atrazine	40.000	41.506	-3.8	91	0.00
70	C	Pentachlorophenol	40.000	41.596	-4.0	91	0.00
71		Phenanthrene	40.000	38.546	3.6	89	0.00
72		Anthracene	40.000	38.560	3.6	89	0.00
73		Carbazole	40.000	39.755	0.6	90	0.00
74		Di-n-butylphthalate	40.000	42.111	-5.3	93	0.00
75	C	Fluoranthene	40.000	41.148	-2.9	93	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	85	0.00
77		Benzidine	40.000	22.544	43.6#	39	0.00
78		Pyrene	40.000	44.341	-10.9	93	0.00
79	S	Terphenyl-d14	80.000	86.285	-7.9	94	0.00
80		Butylbenzylphthalate	40.000	47.491	-18.7	97	0.00
81		Benzo(a)anthracene	40.000	38.651	3.4	86	0.00
82		3,3'-Dichlorobenzidine	40.000	38.517	3.7	85	0.00
83		Chrysene	40.000	39.537	1.2	84	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	41.663	-4.2	88	0.00
85	c	Di-n-octyl phthalate	40.000	38.026	4.9	84	0.00
86	I	Perylene-d12	20.000	20.000	0.0	79	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.981	0.0	79	0.01
88		Benzo(b)fluoranthene	40.000	41.508	-3.8	88	0.00
89		Benzo(k)fluoranthene	40.000	36.301	9.2	69	0.00
90	C	Benzo(a)pyrene	40.000	39.651	0.9	79	0.00
91		Dibenzo(a,h)anthracene	40.000	40.175	-0.4	80	0.01
92		Benzo(g,h,i)perylene	40.000	40.914	-2.3	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143177.D
Acq On : 22 Jul 2025 08:46
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 11:12:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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: NOBI03

Lab Code: ACE SDG No.: Q2555

Instrument ID: BNA_F Calibration Date/Time: 07/22/2025 13:55

Lab File ID: BF143187.D Init. Calib. Date(s): 07/17/2025 07/17/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:04 14:34

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.264	1.228		-2.8	50.0
Phenol-d6	1.591	1.539		-3.3	50.0
Nitrobenzene-d5	0.401	0.404		0.7	50.0
Naphthalene	0.985	0.970		-1.5	50.0
2-Methylnaphthalene	0.599	0.591		-1.3	50.0
2-Fluorobiphenyl	1.462	1.449		-0.9	50.0
Acenaphthylene	1.935	1.914		-1.1	50.0
Acenaphthene	1.144	1.157		1.1	50.0
Fluorene	1.274	1.255		-1.5	50.0
2,4,6-Tribromophenol	0.207	0.214		3.4	50.0
Phenanthrene	1.062	1.050		-1.1	50.0
Anthracene	1.083	1.076		-0.6	50.0
Fluoranthene	0.975	1.020		4.6	50.0
Pyrene	1.707	1.544		-9.5	50.0
Terphenyl-d14	1.344	1.184		-11.9	50.0
Benzo(a)anthracene	1.339	1.284		-4.1	50.0
Chrysene	1.204	1.210		0.5	50.0
Benzo(b)fluoranthene	1.222	1.221		-0.1	50.0
Benzo(k)fluoranthene	1.090	1.049		-3.8	50.0
Benzo(a)pyrene	1.126	1.119		-0.6	50.0
Indeno(1,2,3-cd)pyrene	1.410	1.321		-6.3	50.0
Dibenzo(a,h)anthracene	1.148	1.070		-6.8	50.0
Benzo(g,h,i)perylene	1.110	1.026		-7.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	111012	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	422094	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	210926	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	343518	20.000	ng		0.00
76) Chrysene-d12	14.127	240	225021	20.000	ng		0.00
86) Perylene-d12	15.633	264	256485	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	545451	77.753	ng		0.00
7) Phenol-d6	6.587	99	683542	77.413	ng		0.00
23) Nitrobenzene-d5	7.522	82	682159	80.559	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	180390	82.786	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1222876	79.290	ng		0.00
79) Terphenyl-d14	13.069	244	1065941	70.493	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.804	88	127151	38.305	ng		99
3) Pyridine	3.581	79	330042	38.307	ng		100
4) n-Nitrosodimethylamine	3.516	42	171619	38.581	ng		99
6) Aniline	6.628	93	472751	38.416	ng		98
8) 2-Chlorophenol	6.751	128	287831	39.143	ng		98
9) Benzaldehyde	6.516	77	247030	37.310	ng		99
10) Phenol	6.598	94	396833	41.254	ng		98
11) bis(2-Chloroethyl)ether	6.692	93	283947	38.553	ng		100
12) 1,3-Dichlorobenzene	6.910	146	314817	39.411	ng		99
13) 1,4-Dichlorobenzene	6.987	146	315046	39.163	ng		99
14) 1,2-Dichlorobenzene	7.140	146	301343	39.385	ng		99
15) Benzyl Alcohol	7.098	79	264441	39.223	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	542587	39.713	ng		99
17) 2-Methylphenol	7.210	107	243112	39.321	ng		98
18) Hexachloroethane	7.481	117	112222	40.297	ng		99
19) n-Nitroso-di-n-propyla...	7.375	70	210871	37.224	ng		99
20) 3+4-Methylphenols	7.363	107	301964	40.254	ng	#	82
22) Acetophenone	7.369	105	384155	38.442	ng	#	98
24) Nitrobenzene	7.539	77	314726	39.866	ng		99
25) Isophorone	7.781	82	564494	37.763	ng		99
26) 2-Nitrophenol	7.857	139	151024	44.078	ng		99
27) 2,4-Dimethylphenol	7.892	122	270134	38.679	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	348359	38.868	ng		100
29) 2,4-Dichlorophenol	8.098	162	232204	39.425	ng		100
30) 1,2,4-Trichlorobenzene	8.186	180	250252	39.329	ng		99
31) Naphthalene	8.269	128	818994	39.398	ng		99
32) Benzoic acid	7.981	122	166968	43.041	ng		99
33) 4-Chloroaniline	8.310	127	329590	38.830	ng		99
34) Hexachlorobutadiene	8.392	225	154282	39.691	ng		99
35) Caprolactam	8.675	113	70018	39.340	ng		97
36) 4-Chloro-3-methylphenol	8.786	107	247616	38.680	ng		97
37) 2-Methylnaphthalene	8.957	142	499061	39.453	ng		99
38) 1-Methylnaphthalene	9.057	142	512869	39.373	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	244698	40.183	ng		99
41) Hexachlorocyclopentadiene	9.116	237	163162	41.178	ng		100
43) 2,4,6-Trichlorophenol	9.233	196	164611	39.058	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

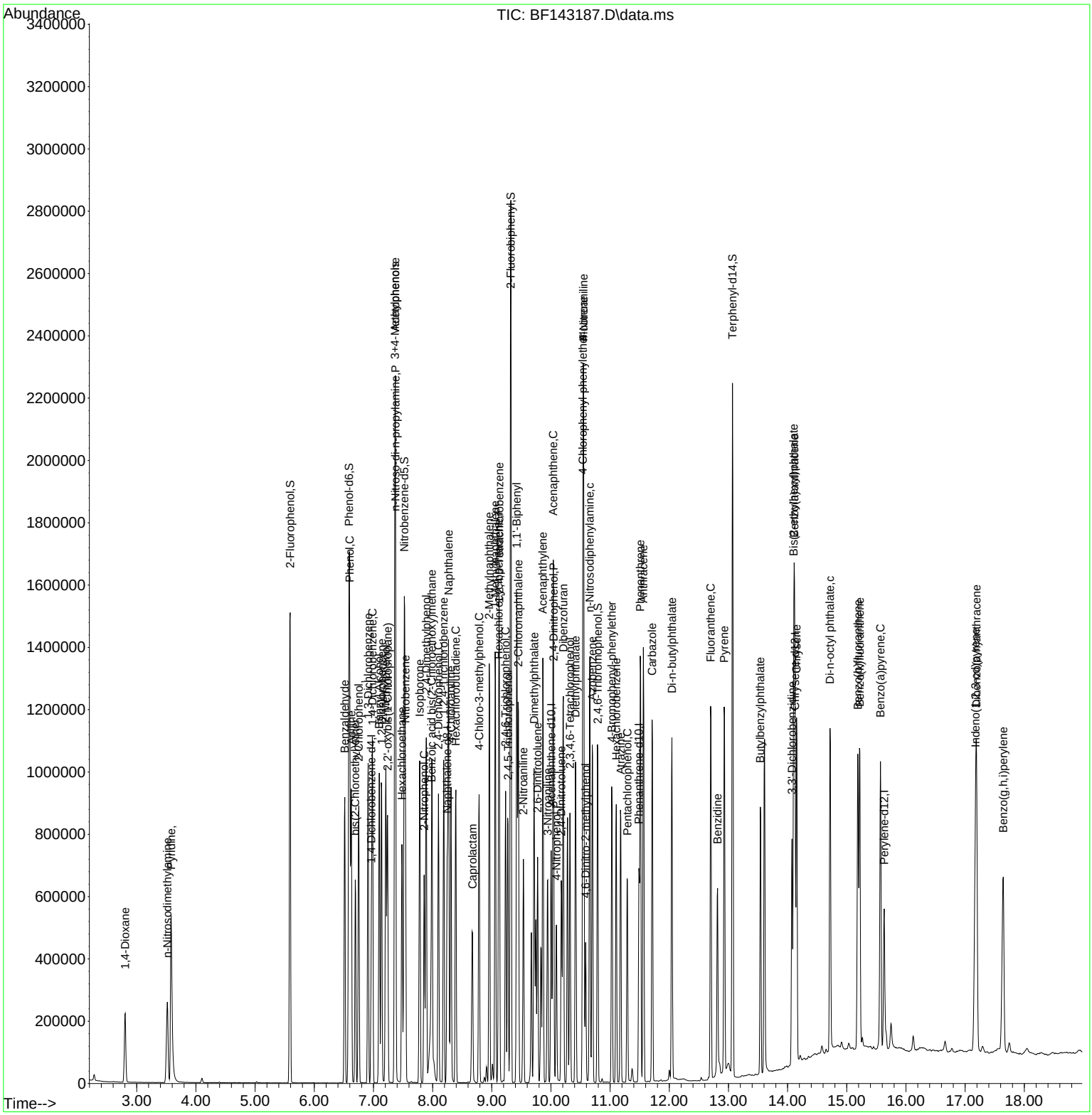
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	175359	41.595	ng	98
46) 1,1'-Biphenyl	9.422	154	657180	39.935	ng	100
47) 2-Chloronaphthalene	9.451	162	481986	39.583	ng	100
48) 2-Nitroaniline	9.533	65	162985	42.683	ng	98
49) Acenaphthylene	9.863	152	807496	39.572	ng	100
50) Dimethylphthalate	9.716	163	540541	39.316	ng	100
51) 2,6-Dinitrotoluene	9.775	165	116280	41.575	ng	98
52) Acenaphthene	10.039	154	488285	40.485	ng	98
53) 3-Nitroaniline	9.945	138	135487	41.415	ng	99
54) 2,4-Dinitrophenol	10.045	184	53173	45.117	ng	79
55) Dibenzofuran	10.210	168	702819	39.249	ng	99
56) 4-Nitrophenol	10.092	139	104968	42.968	ng	97
57) 2,4-Dinitrotoluene	10.175	165	152315	43.407	ng	98
58) Fluorene	10.551	166	529342	39.388	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	141939	40.644	ng	99
60) Diethylphthalate	10.416	149	532483	39.184	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	268207	40.079	ng	99
62) 4-Nitroaniline	10.551	138	118821	42.379	ng	98
63) Azobenzene	10.698	77	561985	39.680	ng	99
65) 4,6-Dinitro-2-methylph...	10.586	198	72865	41.312	ng	97
66) n-Nitrosodiphenylamine	10.657	169	466349	38.553	ng	99
67) 4-Bromophenyl-phenylether	11.027	248	159858	39.049	ng	97
68) Hexachlorobenzene	11.104	284	162131	37.891	ng	99
69) Atrazine	11.180	200	137101	41.112	ng	99
70) Pentachlorophenol	11.292	266	106322	42.253	ng	99
71) Phenanthrene	11.510	178	721419	39.552	ng	99
72) Anthracene	11.563	178	739139	39.733	ng	100
73) Carbazole	11.710	167	654287	40.280	ng	99
74) Di-n-butylphthalate	12.045	149	761405	41.427	ng	99
75) Fluoranthene	12.698	202	700542	41.844	ng	99
77) Benzidine	12.816	184	345158	39.813	ng	98
78) Pyrene	12.927	202	694738	36.176	ng	100
80) Butylbenzylphthalate	13.539	149	273396	46.491	ng	100
81) Benzo(a)anthracene	14.116	228	577684	38.346	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	213772	42.575	ng	99
83) Chrysene	14.151	228	544414	40.193	ng	100
84) Bis(2-ethylhexyl)phtha...	14.104	149	393938	44.258	ng	99
85) Di-n-octyl phthalate	14.715	149	709014	43.945	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	677875	37.481	ng	99
88) Benzo(b)fluoranthene	15.186	252	626330	39.973	ng	99
89) Benzo(k)fluoranthene	15.221	252	538347	38.503	ng	99
90) Benzo(a)pyrene	15.568	252	573999	39.760	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	549063	37.299	ng	99
92) Benzo(g,h,i)perylene	17.645	276	526414	36.968	ng	100

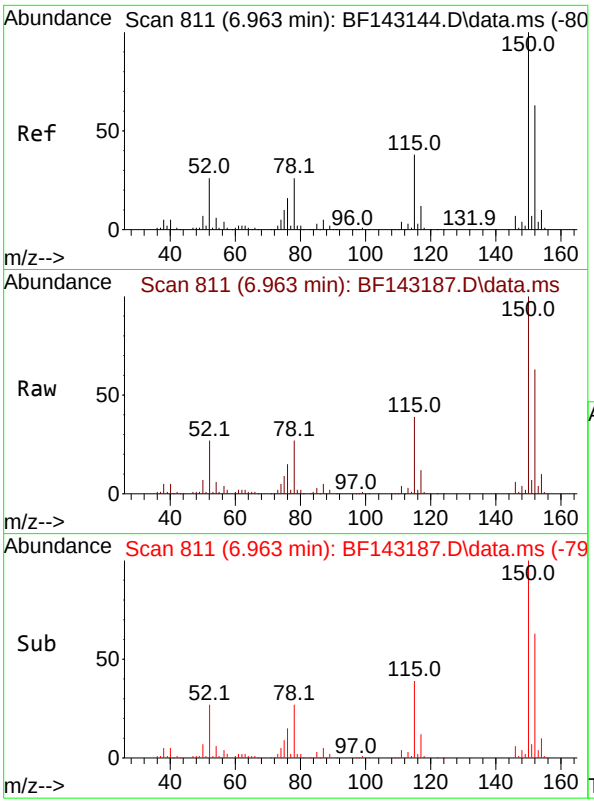
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



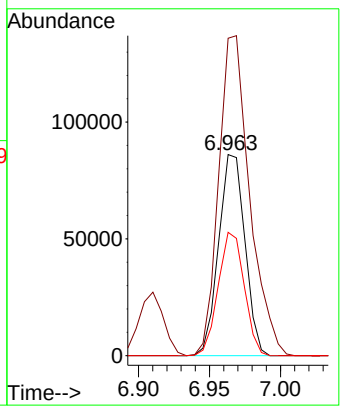


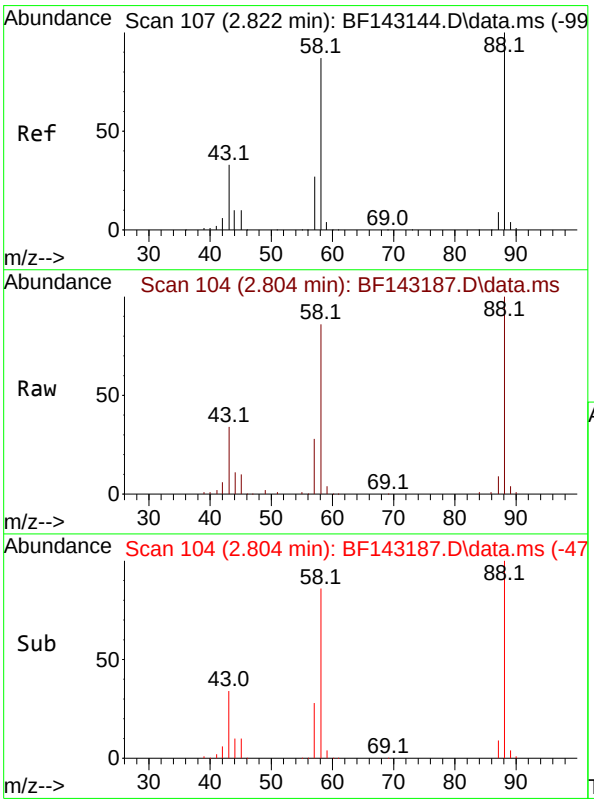
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 111012

Ion	Ratio	Lower	Upper
152	100		
150	157.9	128.2	192.4
115	61.3	47.9	71.9

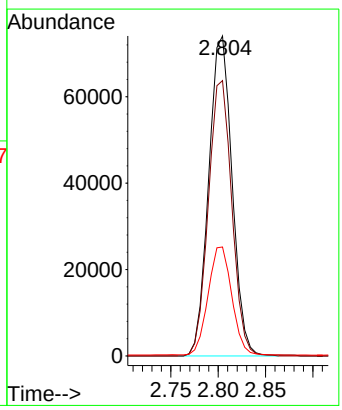


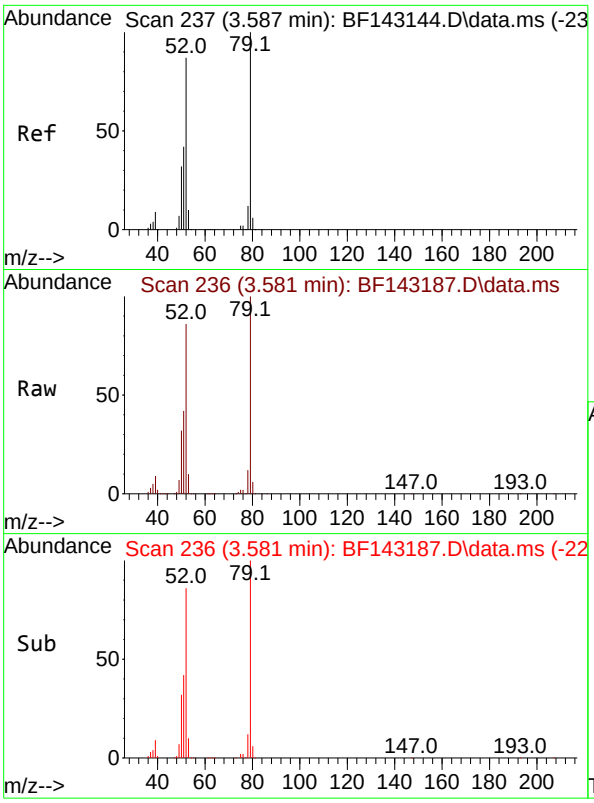


#2
1,4-Dioxane
Concen: 38.305 ng
RT: 2.804 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 88 Resp: 127151

Ion	Ratio	Lower	Upper
88	100		
58	86.4	70.2	105.2
43	34.3	27.1	40.7



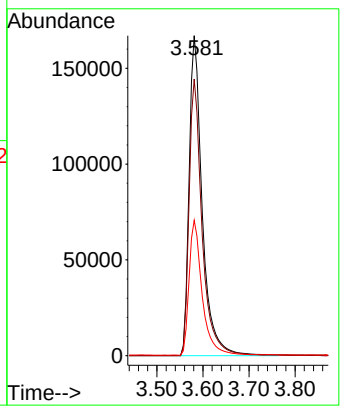


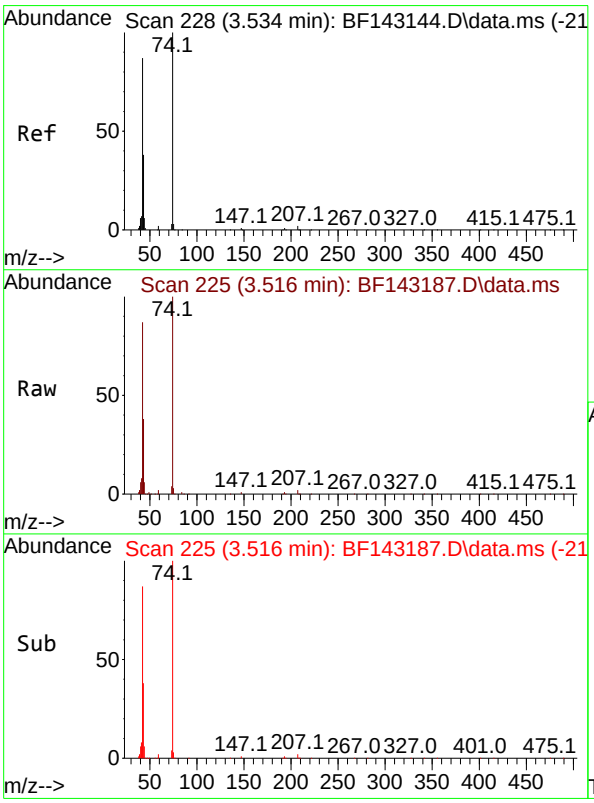
#3
Pyridine
Concen: 38.307 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 330042

Ion	Ratio	Lower	Upper
79	100		
52	86.4	69.4	104.2
51	42.3	33.5	50.3

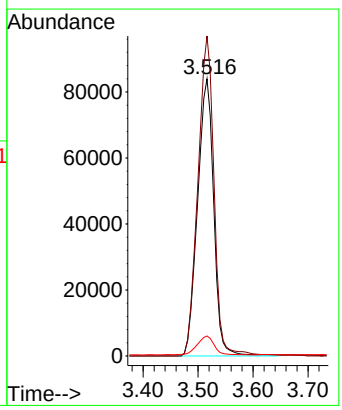


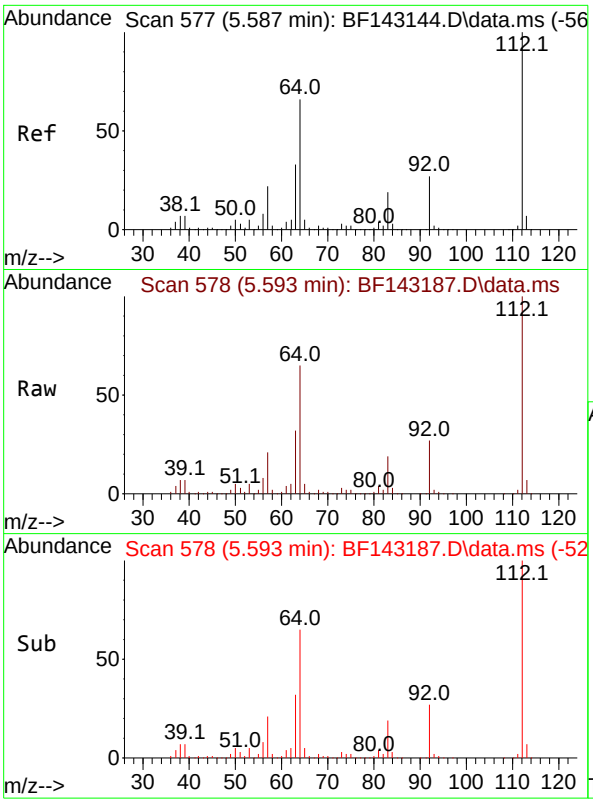


#4
n-Nitrosodimethylamine
Concen: 38.581 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.018 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 42 Resp: 171619

Ion	Ratio	Lower	Upper
42	100		
74	115.5	91.7	137.5
44	7.2	5.6	8.4



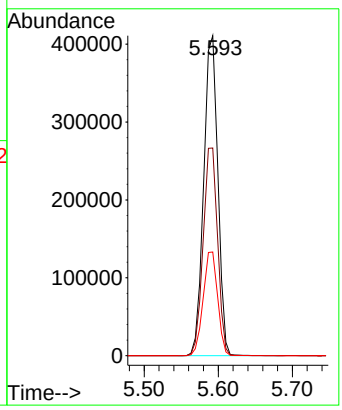


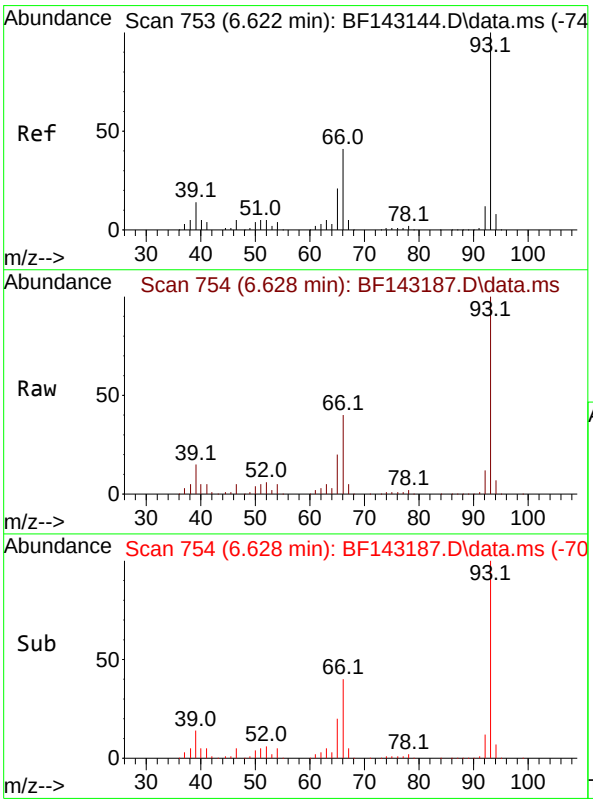
#5
2-Fluorophenol
Concen: 77.753 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 545451

Ion	Ratio	Lower	Upper
112	100		
64	64.9	53.1	79.7
63	32.4	26.6	40.0

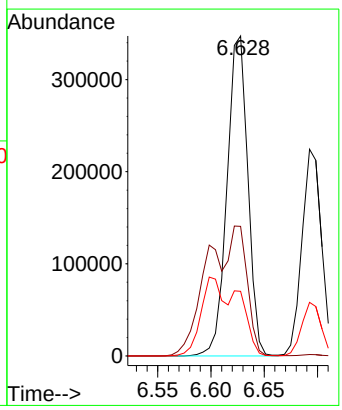


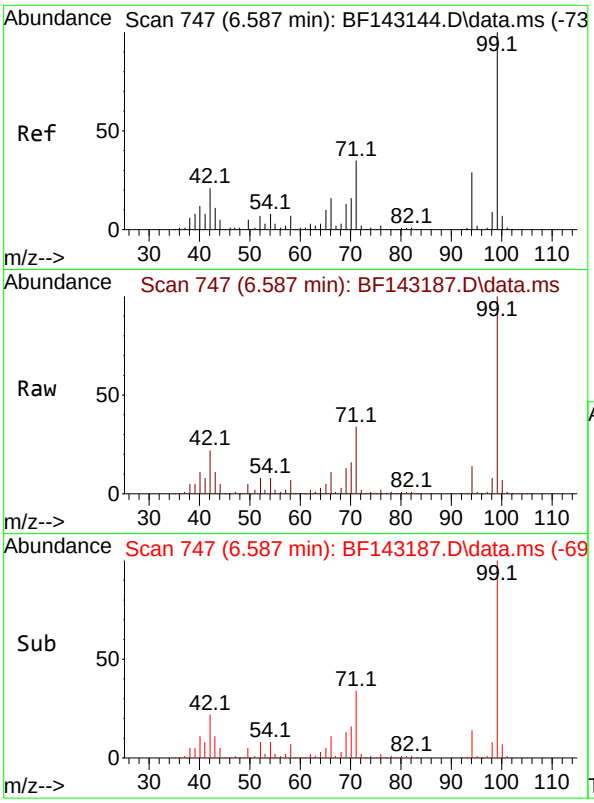


#6
Aniline
Concen: 38.416 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 93 Resp: 472751

Ion	Ratio	Lower	Upper
93	100		
66	40.5	33.2	49.8
65	20.2	16.9	25.3



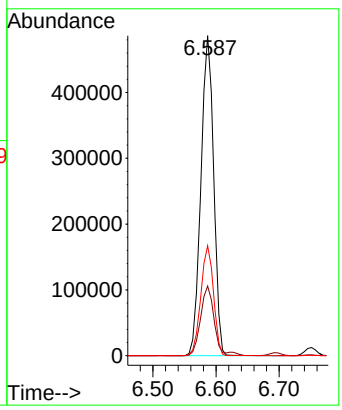


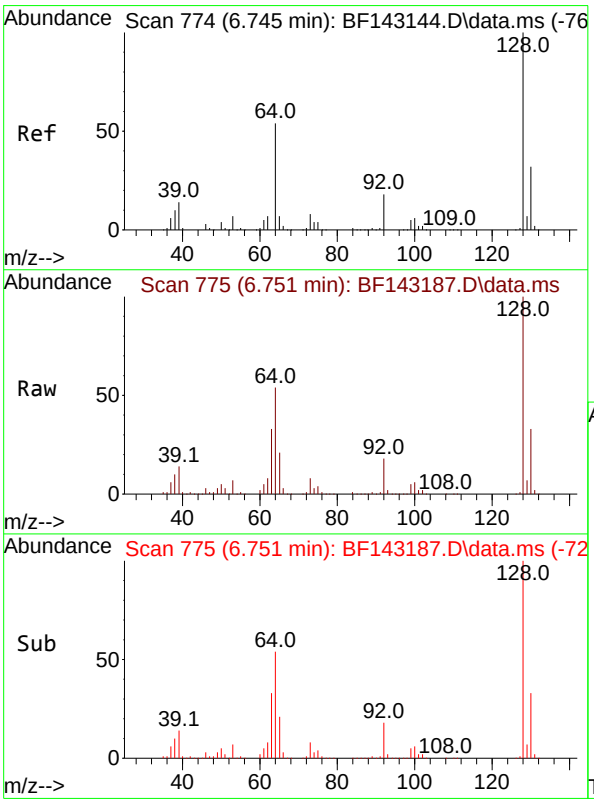
#7
Phenol-d6
Concen: 77.413 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 683542

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.0	25.6
71	34.3	27.7	41.5

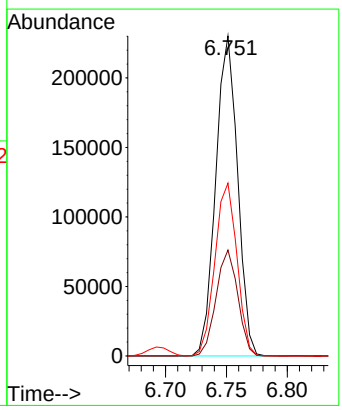


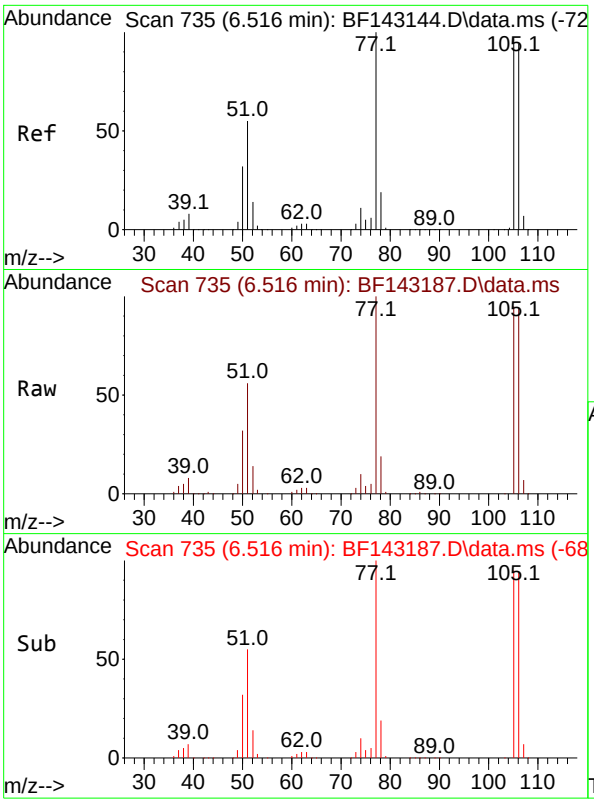


#8
2-Chlorophenol
Concen: 39.143 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:128 Resp: 287831

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.3	52.3
64	54.0	35.9	75.9



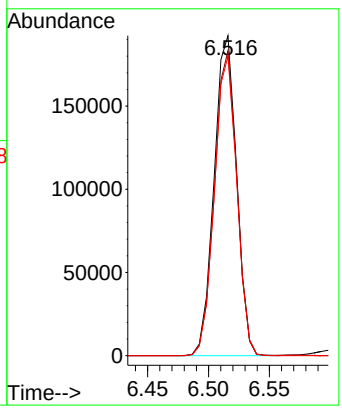


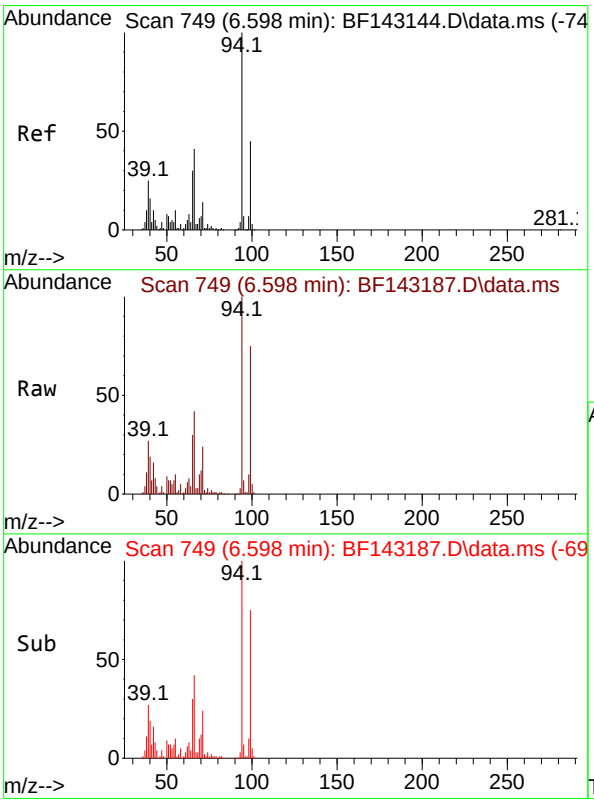
#9
Benzaldehyde
Concen: 37.310 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 247030

Ion	Ratio	Lower	Upper
77	100		
105	95.3	76.8	116.8
106	93.6	74.4	114.4

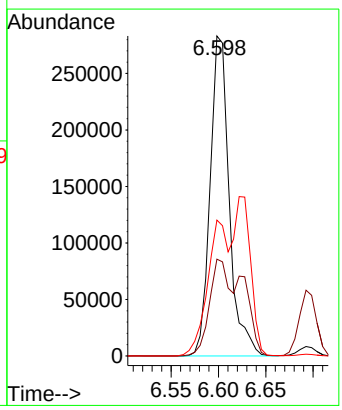


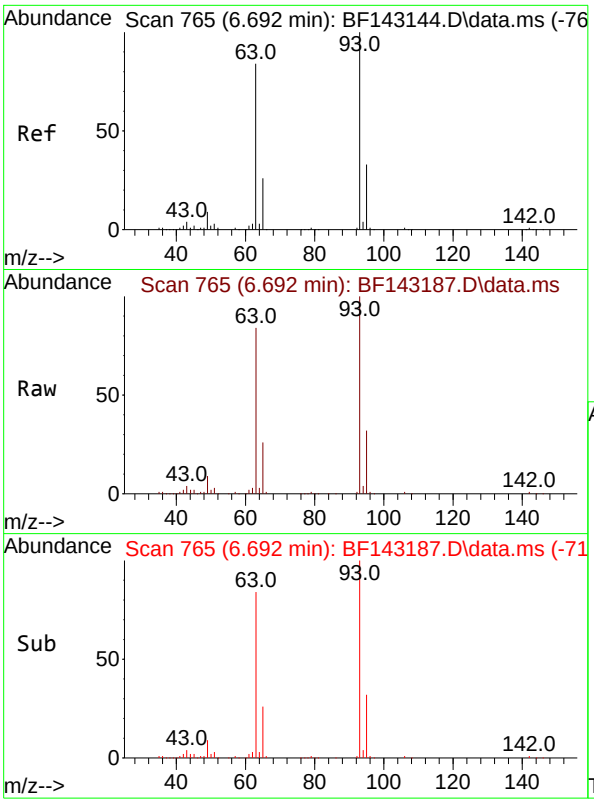


#10
Phenol
Concen: 41.254 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 94 Resp: 396833

Ion	Ratio	Lower	Upper
94	100		
65	30.3	10.0	50.0
66	42.5	20.8	60.8



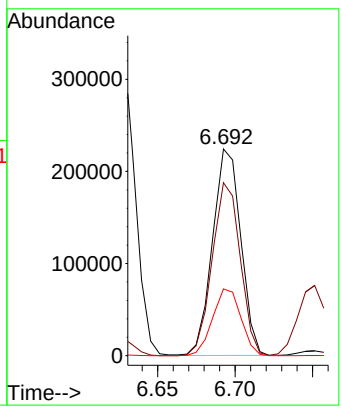


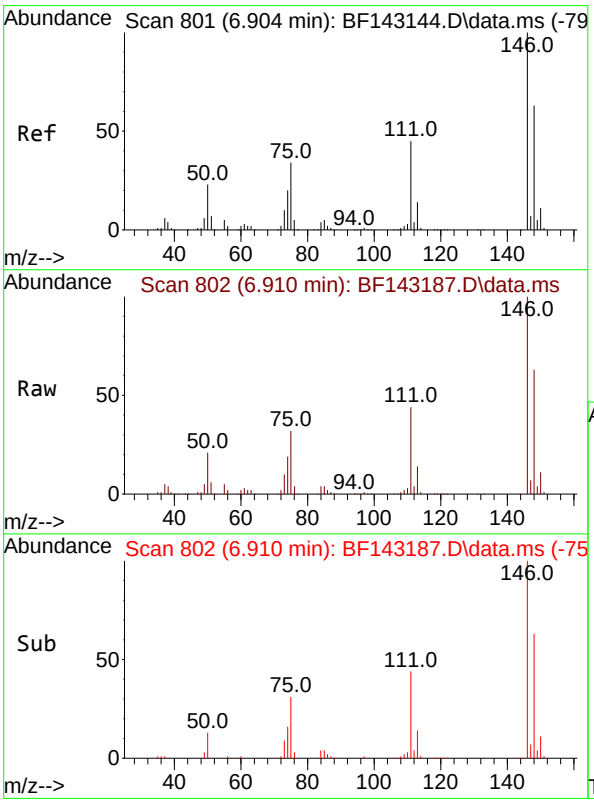
#11
bis(2-Chloroethyl)ether
Concen: 38.553 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 283947

Ion	Ratio	Lower	Upper
93	100		
63	83.7	63.4	103.4
95	32.3	12.4	52.4

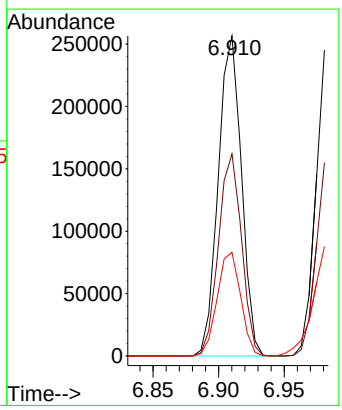


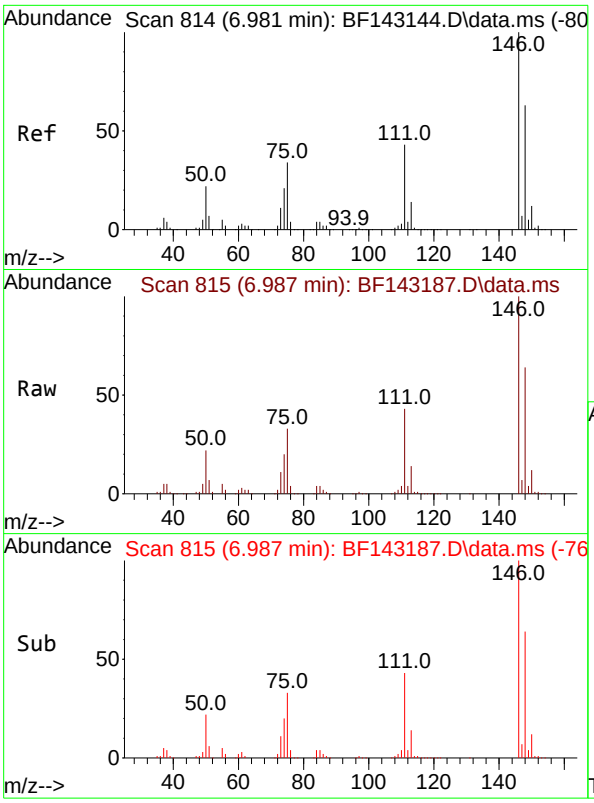


#12
1,3-Dichlorobenzene
Concen: 39.411 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:146 Resp: 314817

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
75	32.4	27.4	41.2



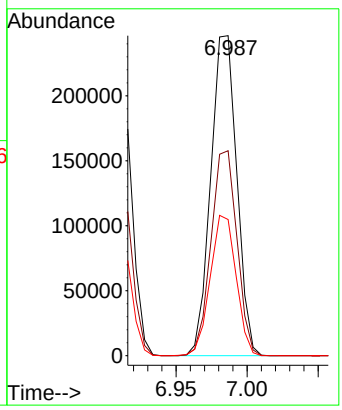


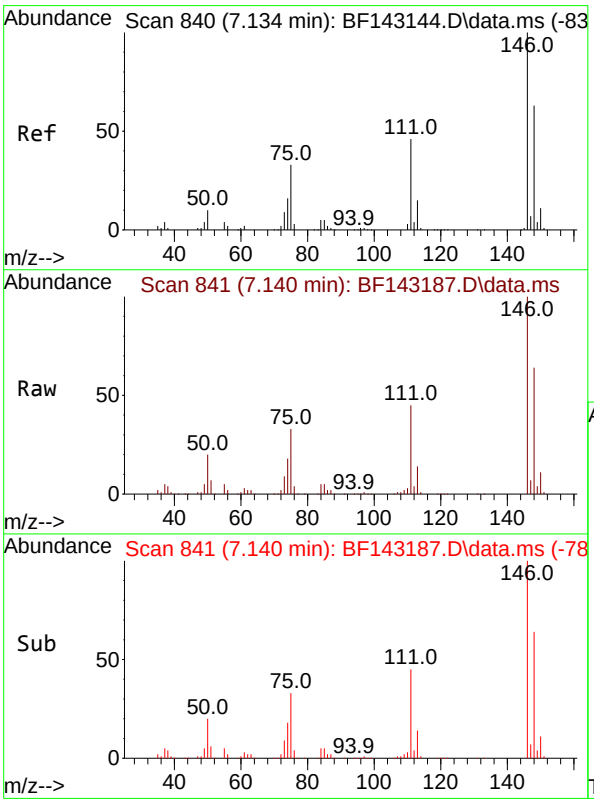
#13
1,4-Dichlorobenzene
Concen: 39.163 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 315046

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	42.6	34.4	51.6

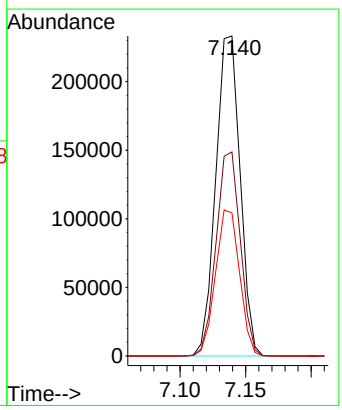


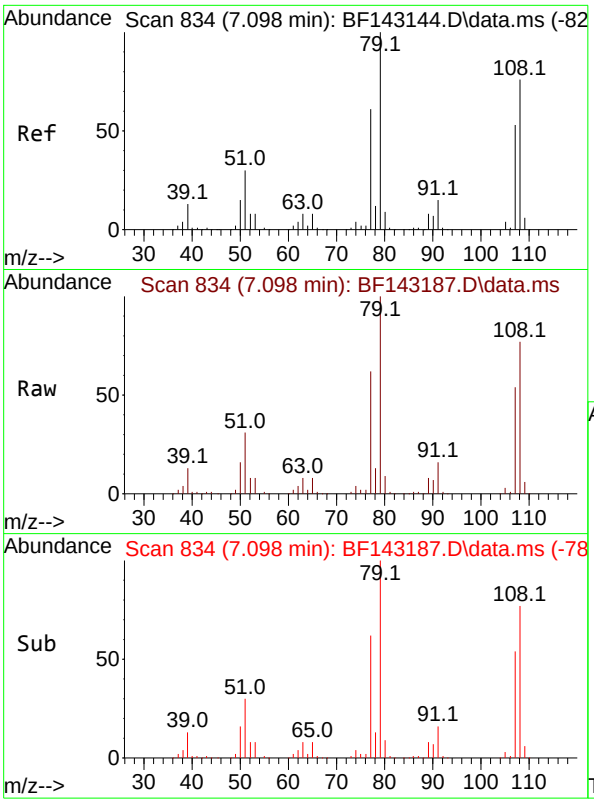


#14
1,2-Dichlorobenzene
Concen: 39.385 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:146 Resp: 301343

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.7	76.1
111	44.7	36.6	54.8



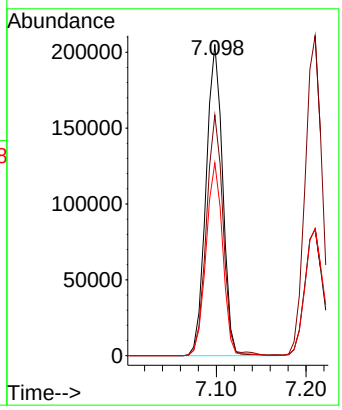


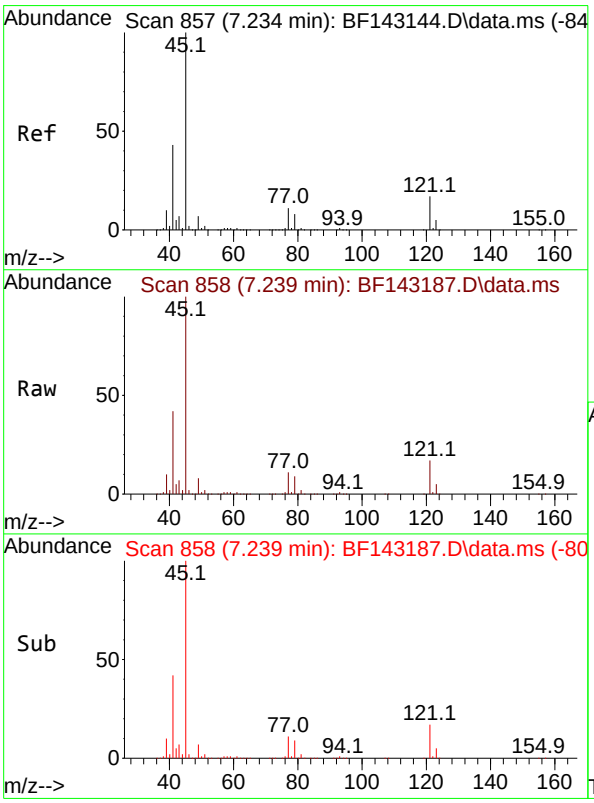
#15
Benzyl Alcohol
Concen: 39.223 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 264441

Ion	Ratio	Lower	Upper
79	100		
108	77.3	61.1	91.7
77	62.0	48.9	73.3

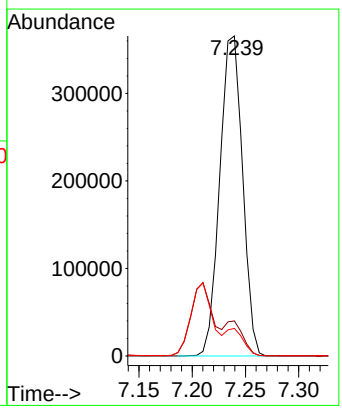


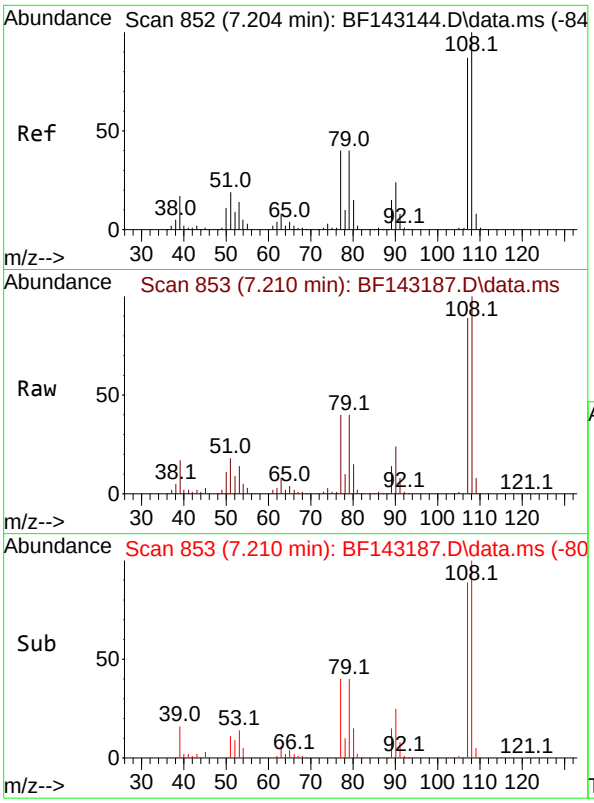


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.713 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 45 Resp: 542587

Ion	Ratio	Lower	Upper
45	100		
77	10.9	0.0	31.2
79	8.6	0.0	28.5



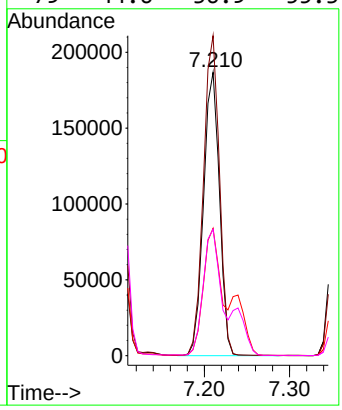


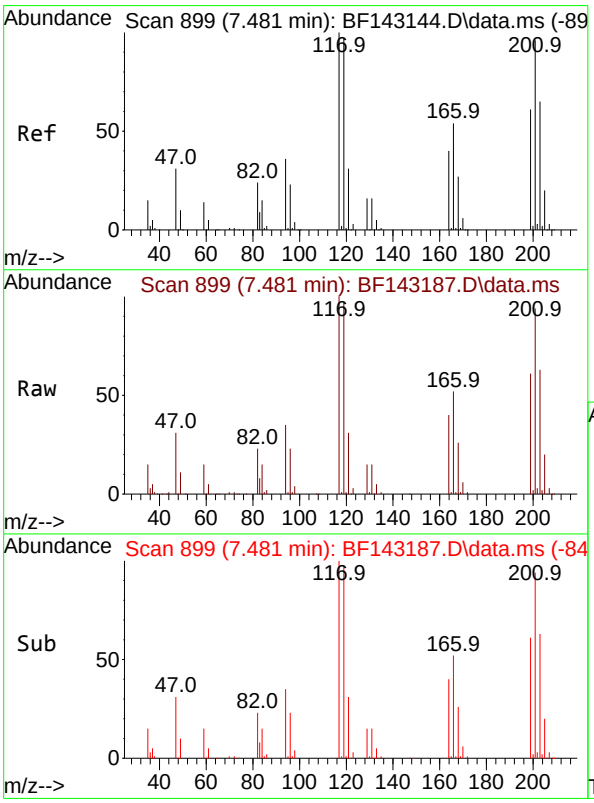
#17
2-Methylphenol
Concen: 39.321 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 243112

Ion	Ratio	Lower	Upper
107	100		
108	112.9	91.8	137.6
77	45.0	37.0	55.6
79	44.6	36.9	55.3

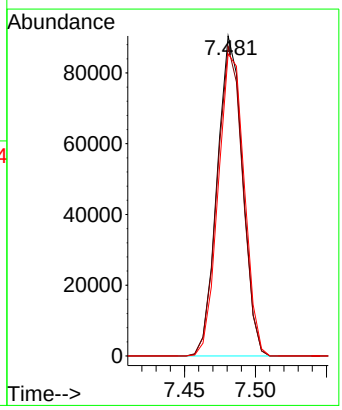


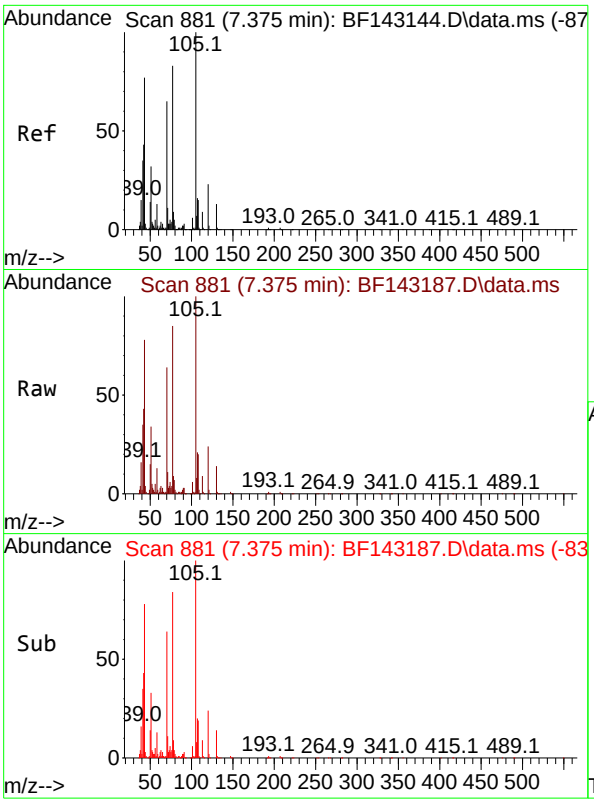


#18
Hexachloroethane
Concen: 40.297 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:117 Resp: 112222

Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.8	116.8
201	94.4	77.0	115.4



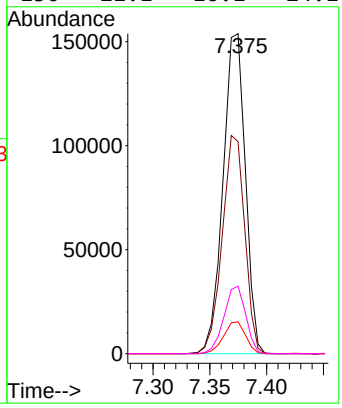


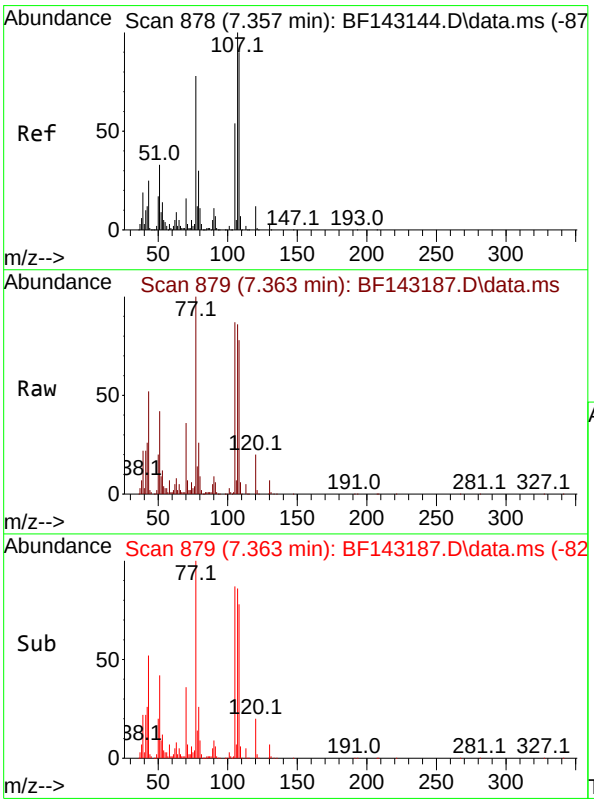
#19
n-Nitroso-di-n-propylamine
Concen: 37.224 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 210871

Ion	Ratio	Lower	Upper
70	100		
42	66.3	52.5	78.7
101	10.0	7.6	11.4
130	21.1	16.1	24.1

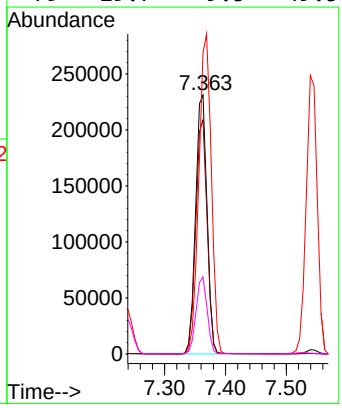


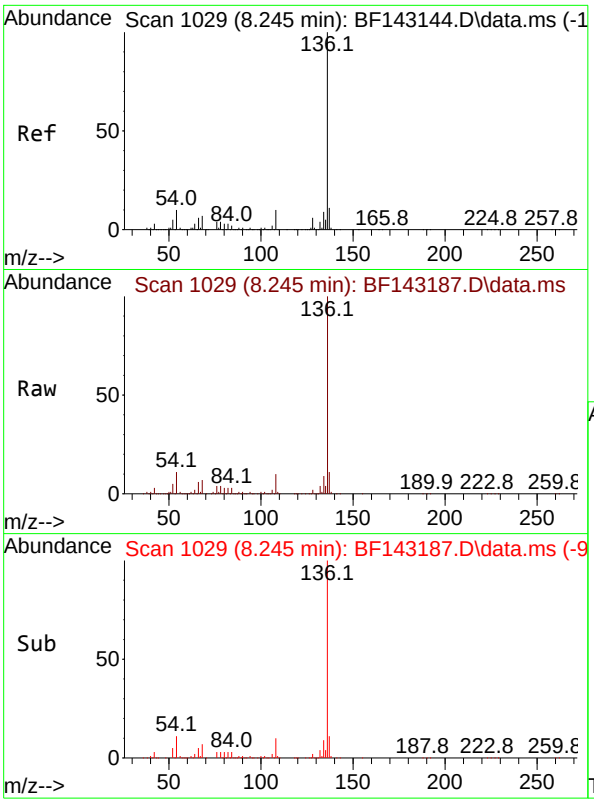


#20
3+4-Methylphenols
Concen: 40.254 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:107 Resp: 301964

Ion	Ratio	Lower	Upper
107	100		
108	90.4	70.0	110.0
77	116.2	57.8	97.8#
79	29.7	9.5	49.5



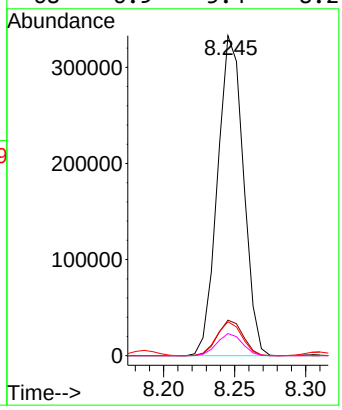


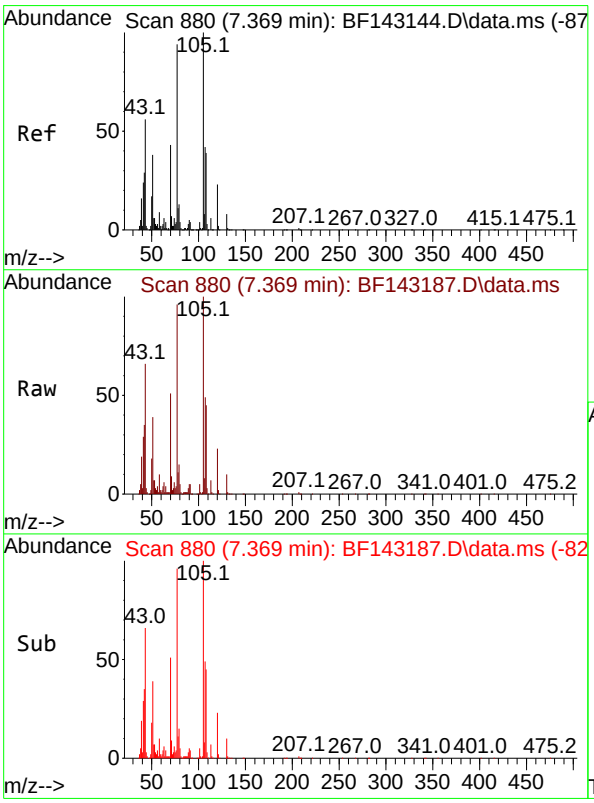
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 422094

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.6	8.2	12.2
68	6.9	5.4	8.2

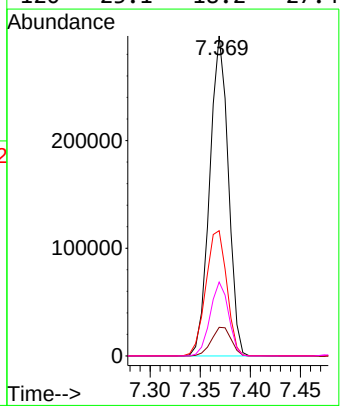


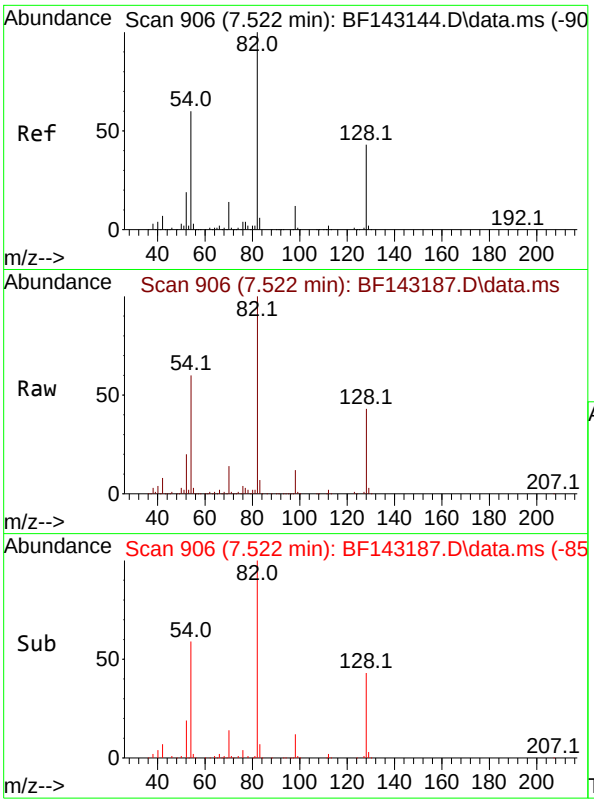


#22
Acetophenone
Concen: 38.442 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:105 Resp: 384155

Ion	Ratio	Lower	Upper
105	100		
71	8.9	5.8	8.6#
51	39.2	30.2	45.2
120	23.1	18.2	27.4



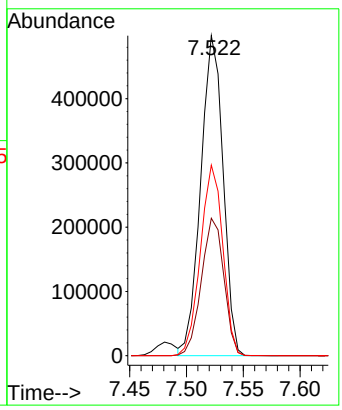


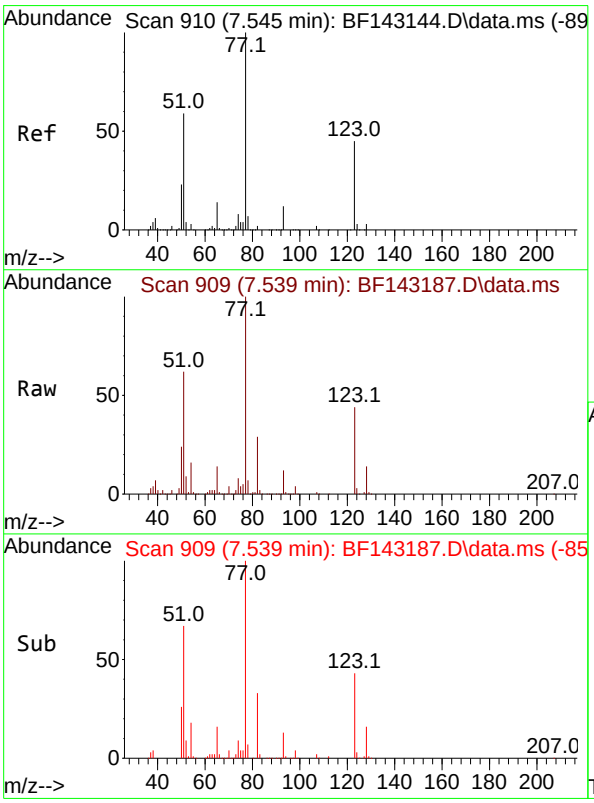
#23
Nitrobenzene-d5
Concen: 80.559 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 682159

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.6	50.4
54	59.6	47.1	70.7

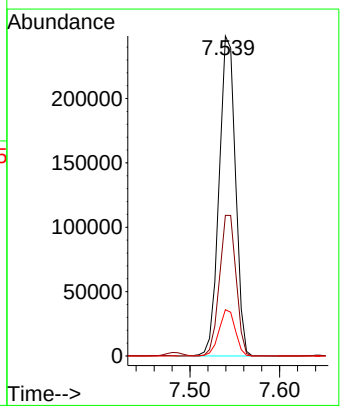


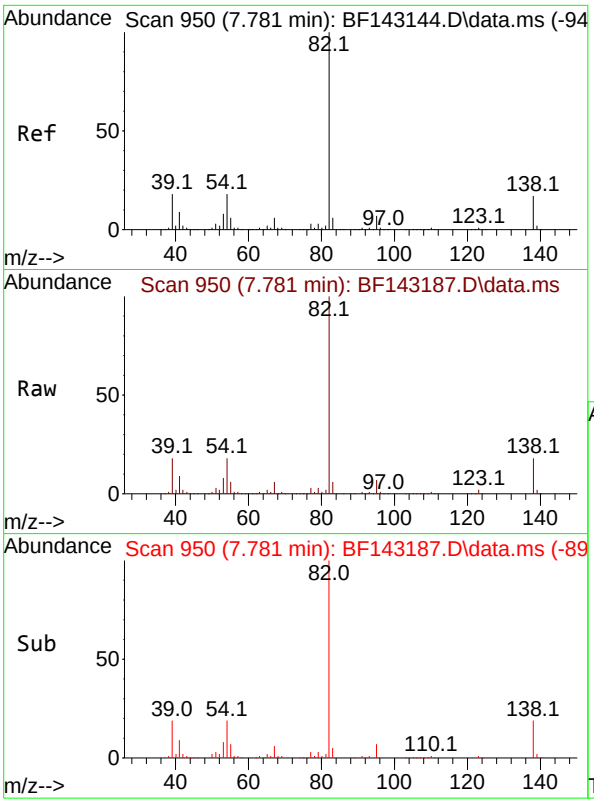


#24
Nitrobenzene
Concen: 39.866 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 77 Resp: 314726

Ion	Ratio	Lower	Upper
77	100		
123	44.0	36.1	54.1
65	14.4	11.4	17.2



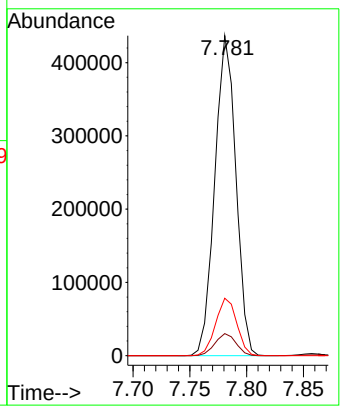


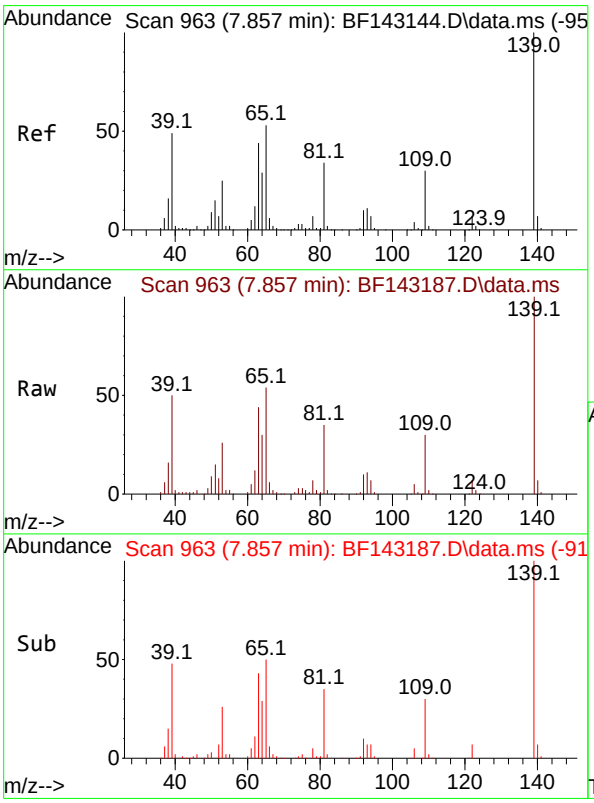
#25
Isophorone
Concen: 37.763 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 564494

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	18.0	13.8	20.8

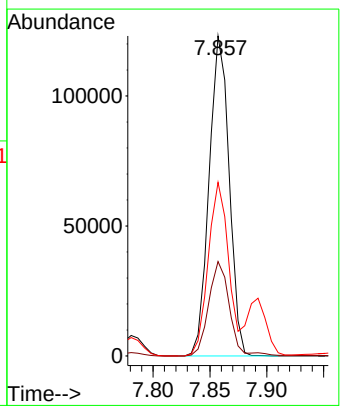


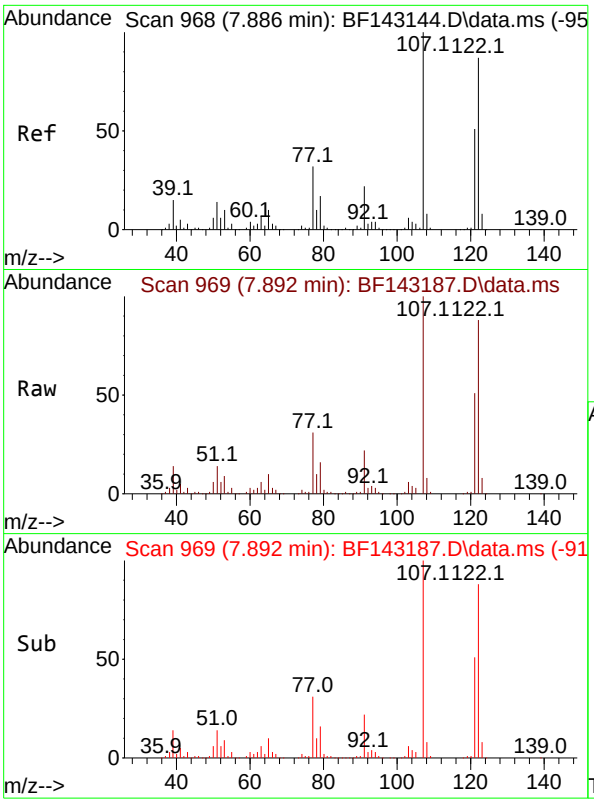


#26
2-Nitrophenol
Concen: 44.078 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:139 Resp: 151024

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.6	35.4
65	54.3	42.6	64.0



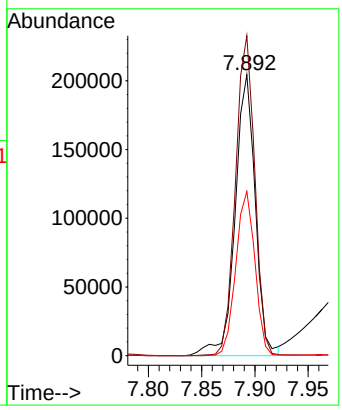


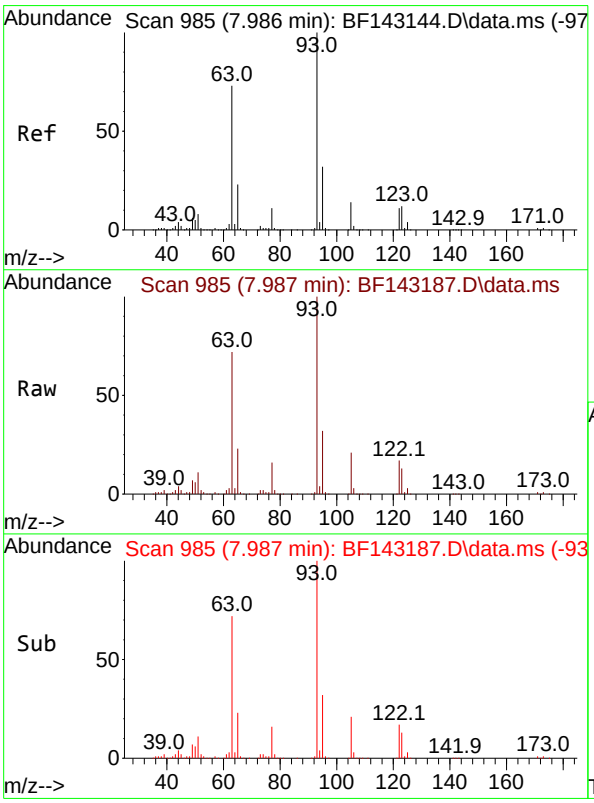
#27
2,4-Dimethylphenol
Concen: 38.679 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 270134

Ion	Ratio	Lower	Upper
122	100		
107	113.9	91.8	137.6
121	58.4	46.3	69.5

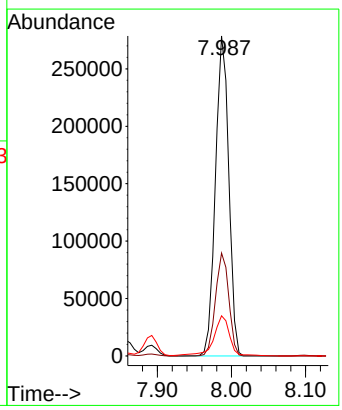


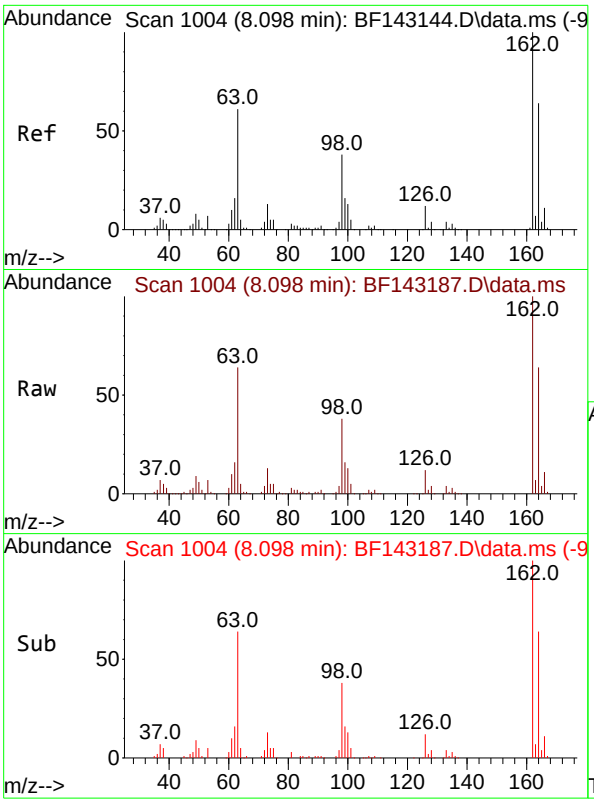


#28
bis(2-Chloroethoxy)methane
Concen: 38.868 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 93 Resp: 348359

Ion	Ratio	Lower	Upper
93	100		
95	32.1	25.8	38.6
123	12.5	9.7	14.5



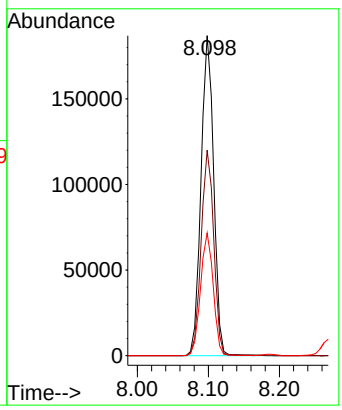


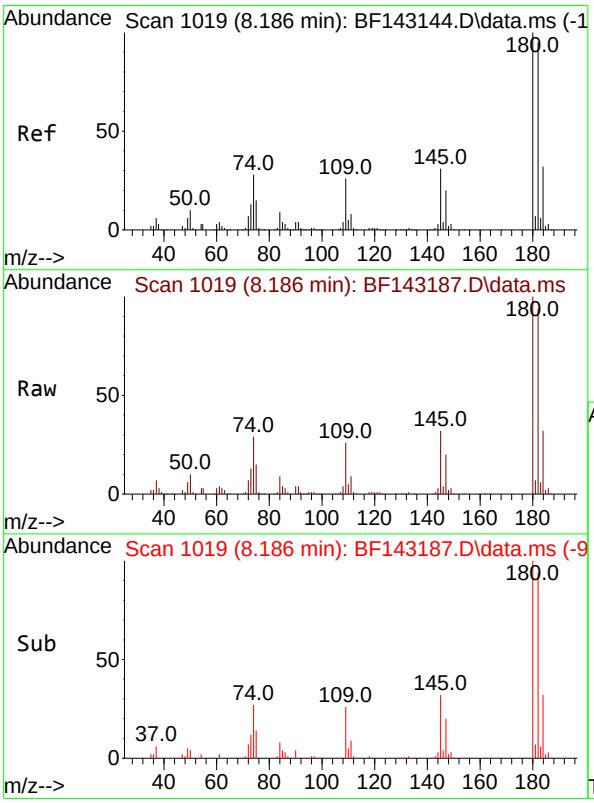
#29
2,4-Dichlorophenol
Concen: 39.425 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 232204

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	38.4	17.9	57.9

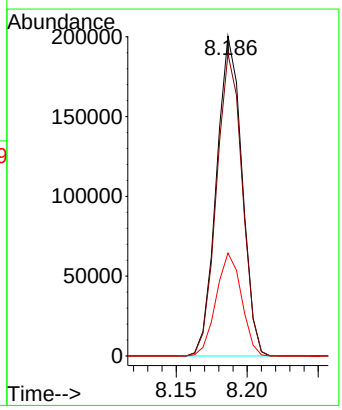


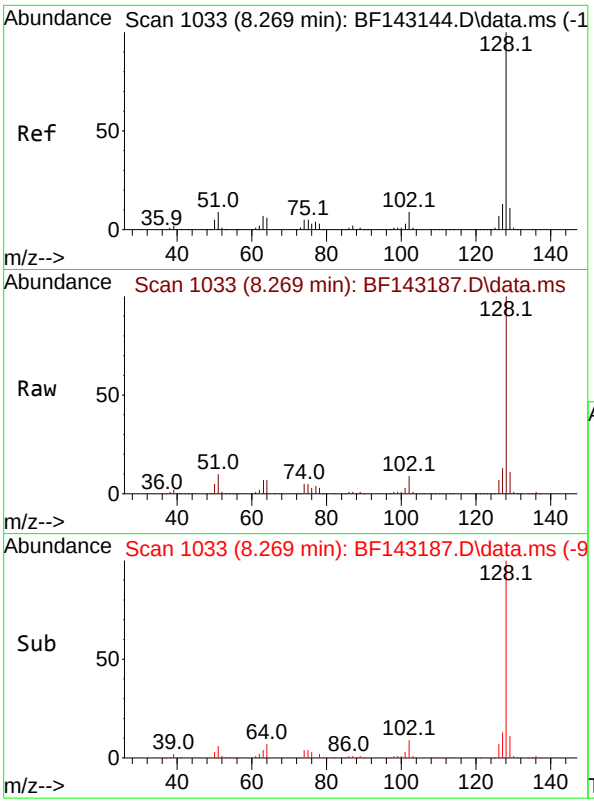


#30
1,2,4-Trichlorobenzene
Concen: 39.329 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:180 Resp: 250252

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.2
145	32.2	25.0	37.6



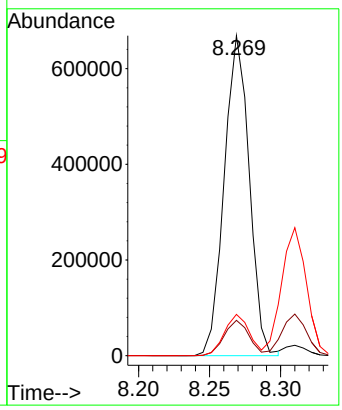


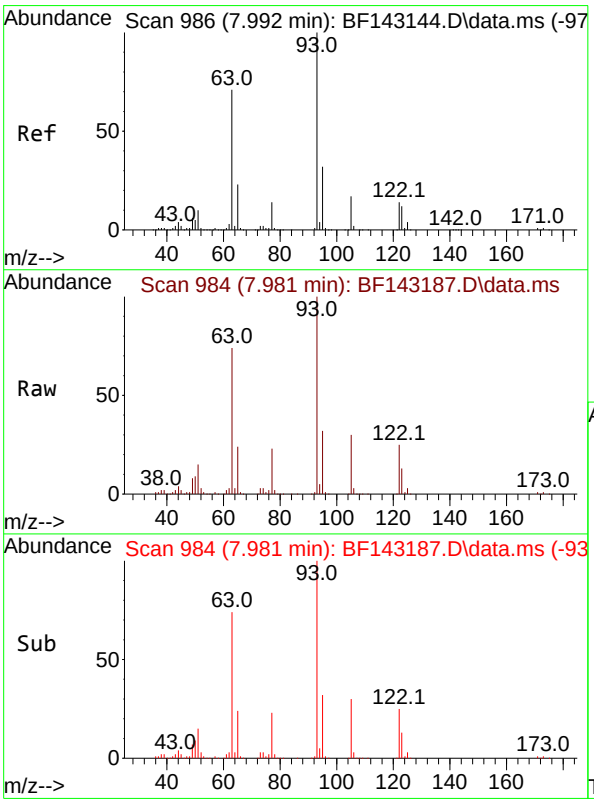
#31
Naphthalene
Concen: 39.398 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 818994

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.9	10.6	16.0

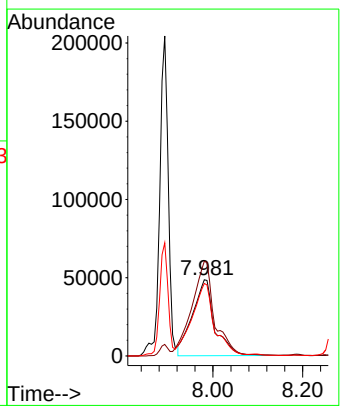


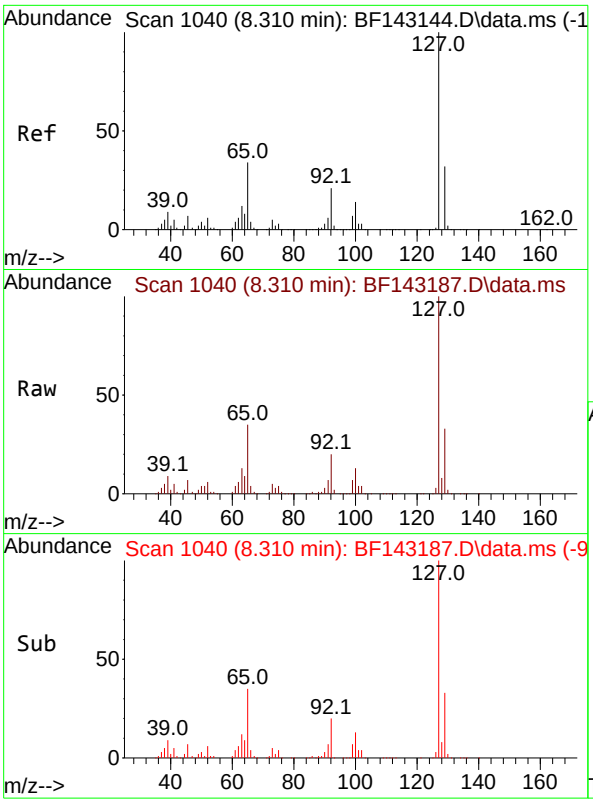


#32
Benzoic acid
Concen: 43.041 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:122 Resp: 166968

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	95.1	77.6	117.6



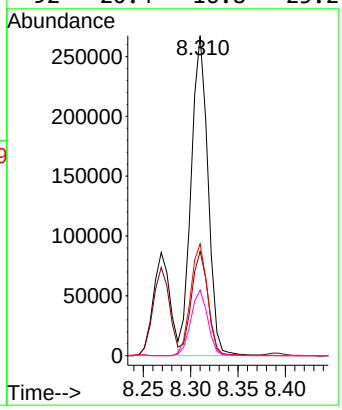


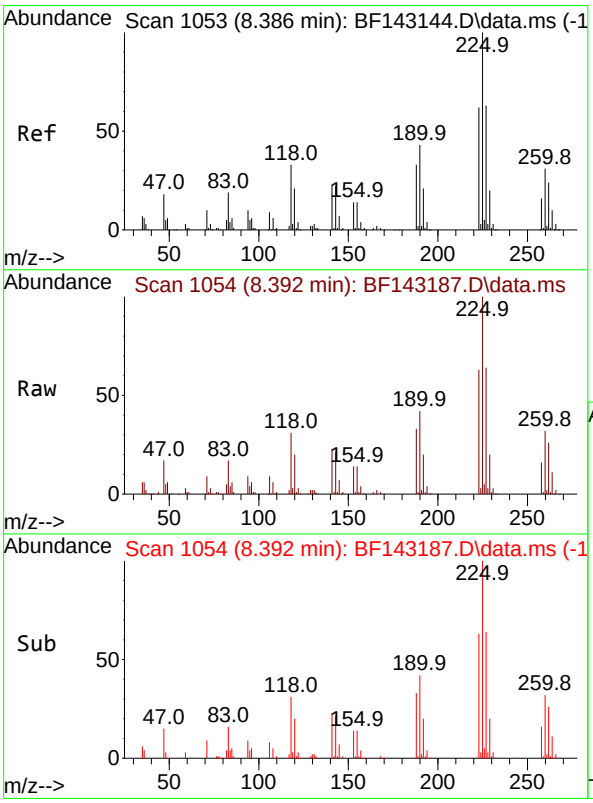
#33
4-Chloroaniline
Concen: 38.830 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 329590

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	34.9	27.4	41.2
92	20.4	16.8	25.2

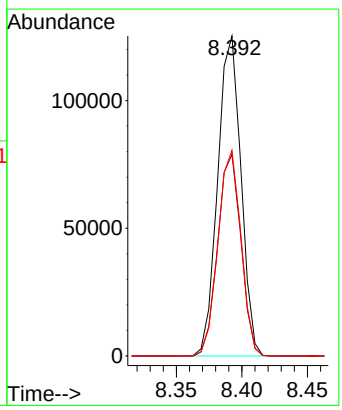


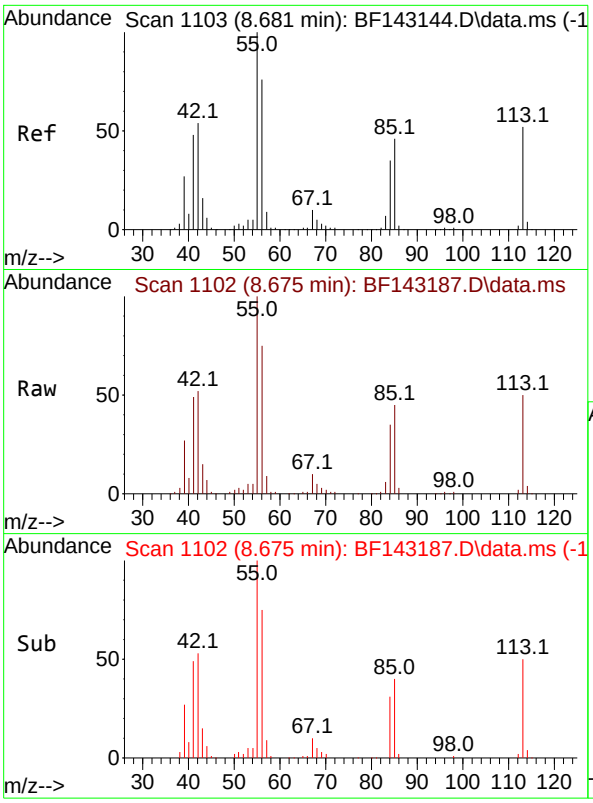


#34
Hexachlorobutadiene
Concen: 39.691 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:225 Resp: 154282

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.8	74.6
227	64.2	50.2	75.4



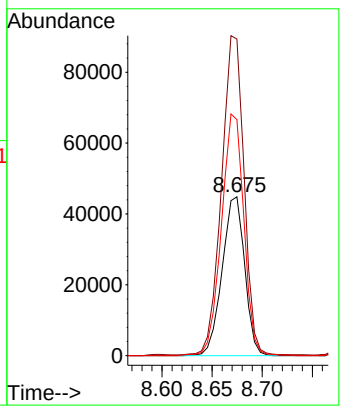


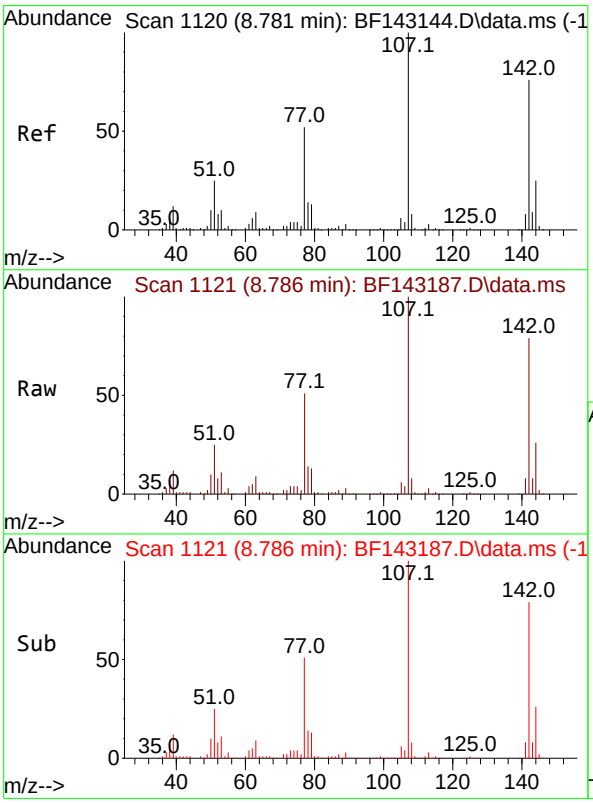
#35
Caprolactam
Concen: 39.340 ng
RT: 8.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 70018

Ion	Ratio	Lower	Upper
113	100		
55	199.4	174.0	214.0
56	148.6	126.6	166.6

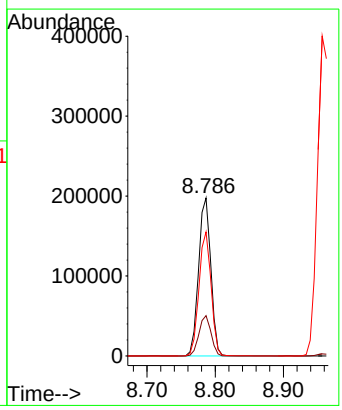


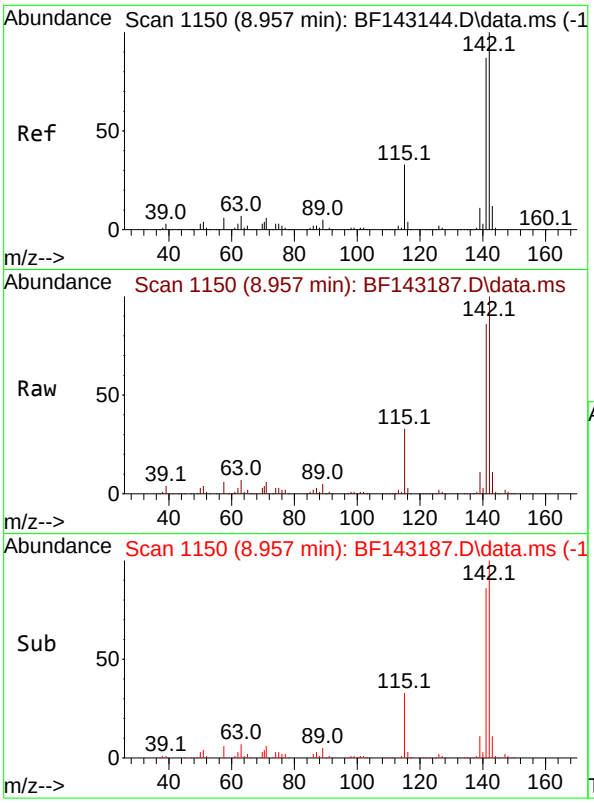


#36
4-Chloro-3-methylphenol
Concen: 38.680 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:107 Resp: 247616

Ion	Ratio	Lower	Upper
107	100		
144	25.6	19.8	29.6
142	78.5	60.6	90.8



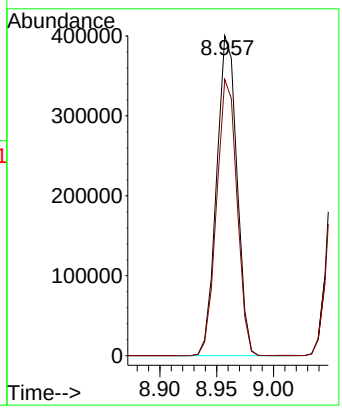


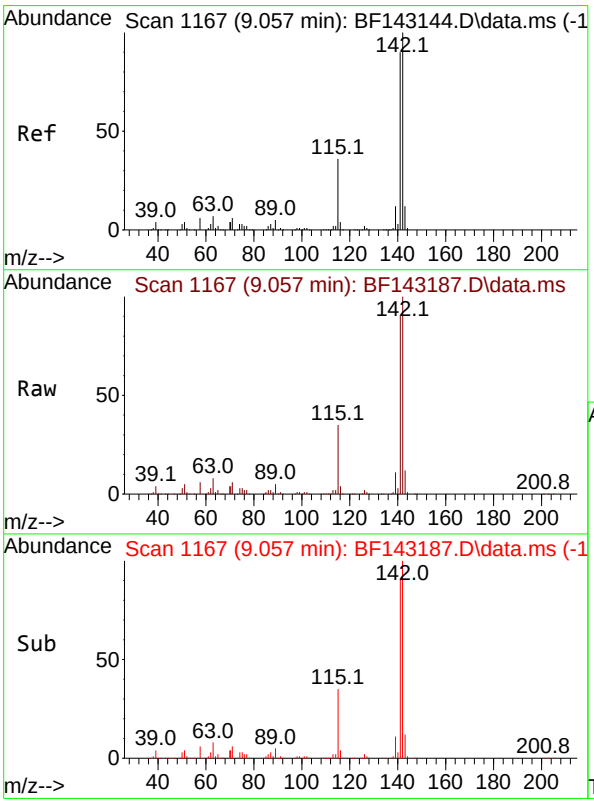
#37
2-Methylnaphthalene
Concen: 39.453 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 499061

Ion	Ratio	Lower	Upper
142	100		
141	86.3	69.9	104.9

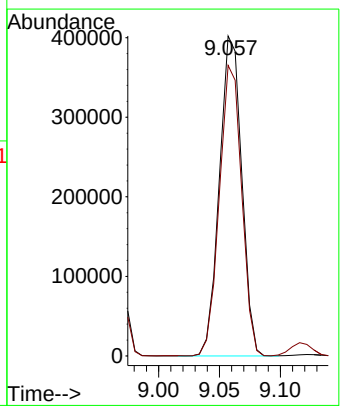


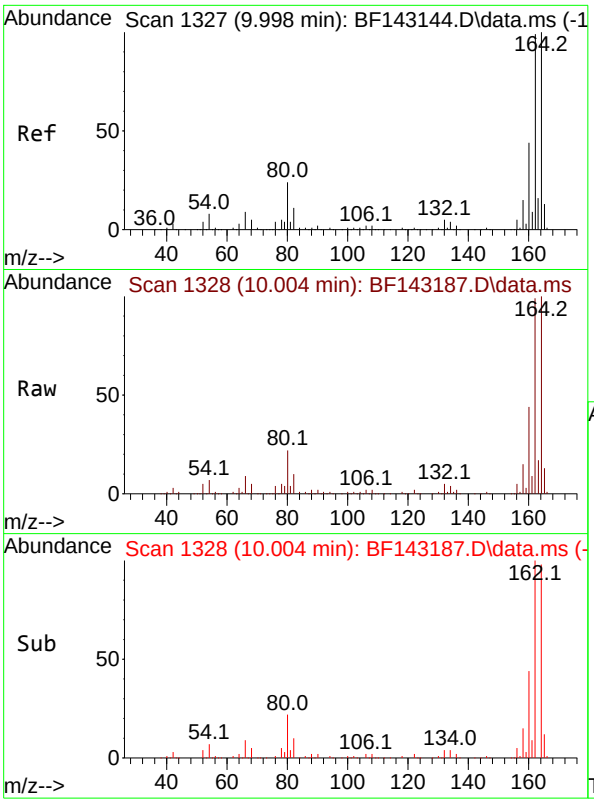


#38
1-Methylnaphthalene
Concen: 39.373 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:142 Resp: 512869

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.3	108.5



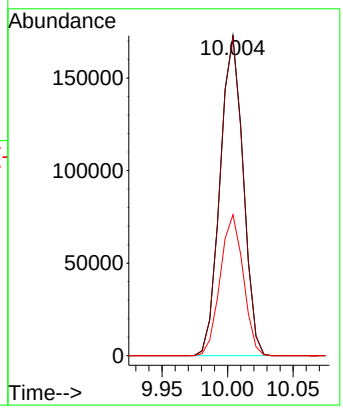


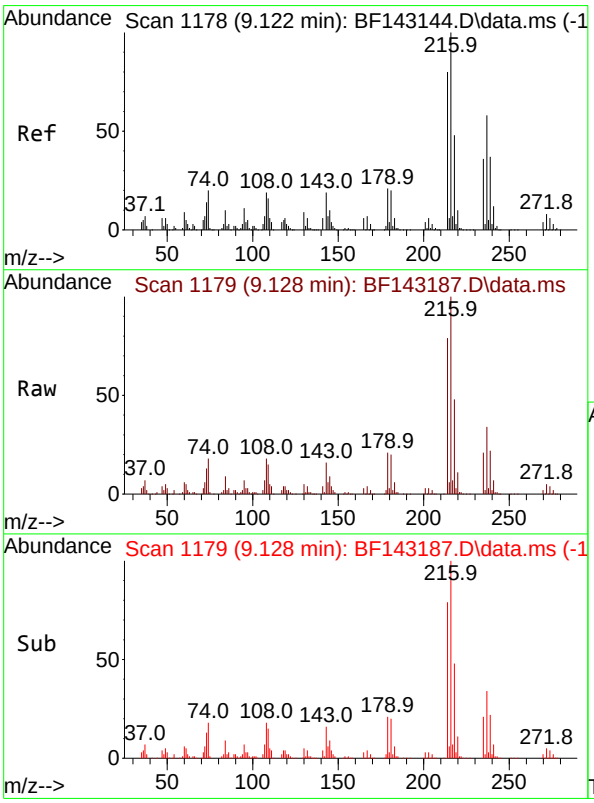
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 210926

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.0	118.6
160	44.0	35.1	52.7

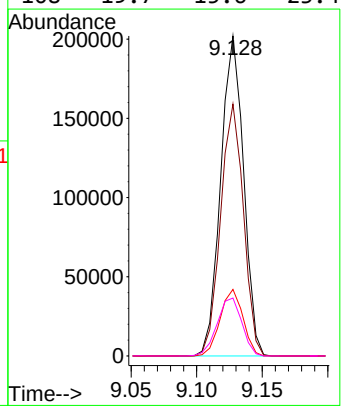


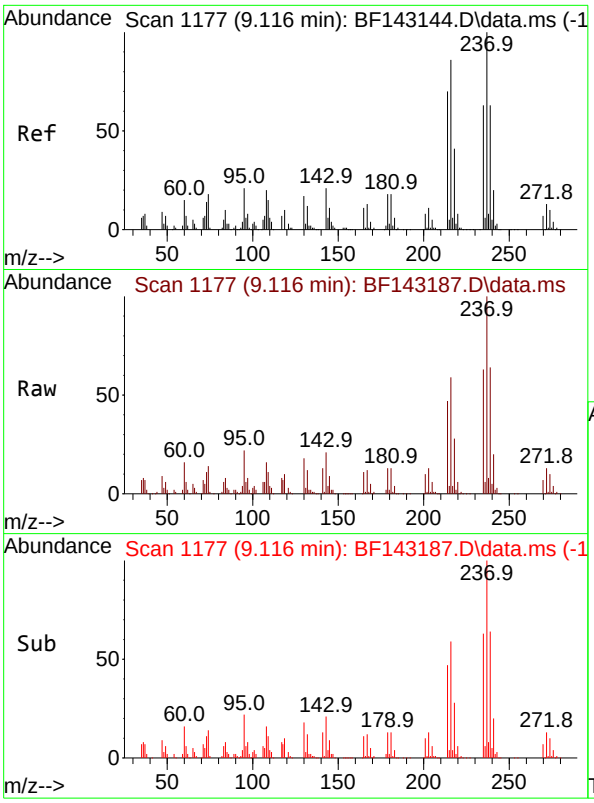


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.183 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:216 Resp: 244698

Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.8	95.8
179	20.8	16.4	24.6
108	19.7	15.6	23.4



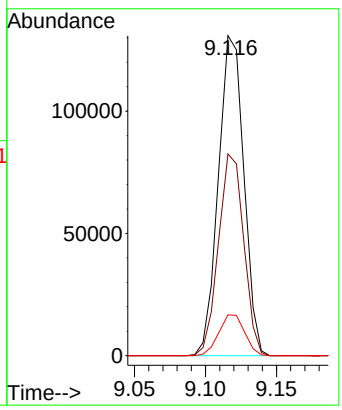


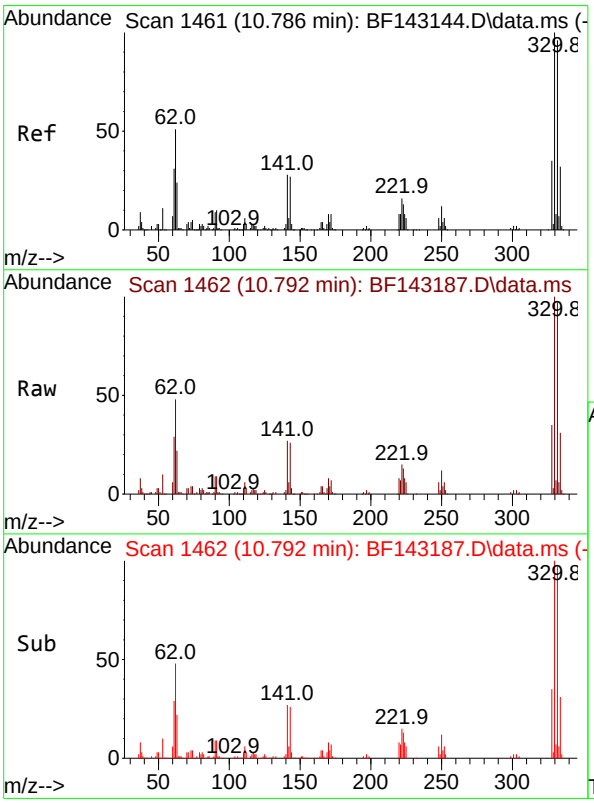
#41
Hexachlorocyclopentadiene
Concen: 41.178 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 163162

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.0	83.0
272	12.8	0.0	33.3

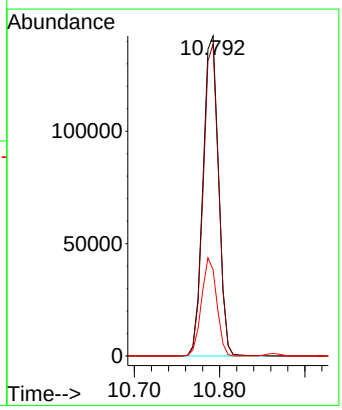


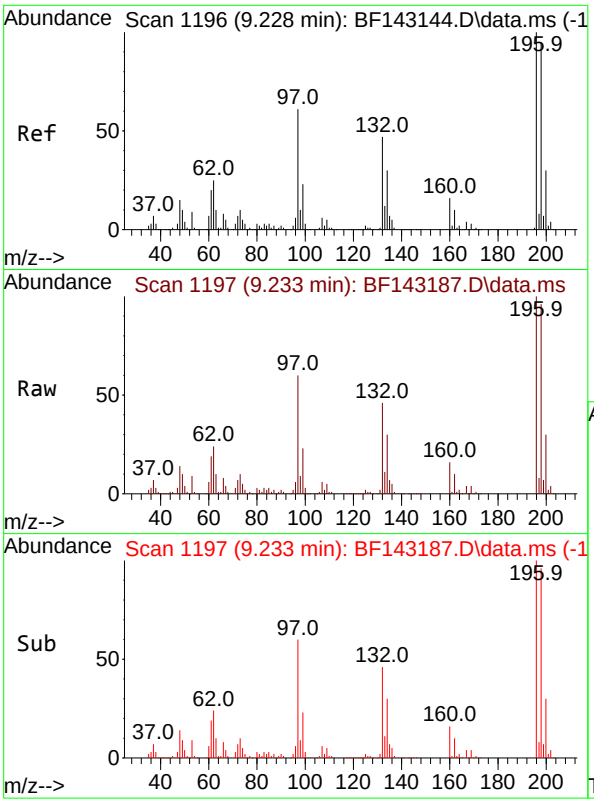


#42
2,4,6-Tribromophenol
Concen: 82.786 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:330 Resp: 180390

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	29.9	23.3	34.9



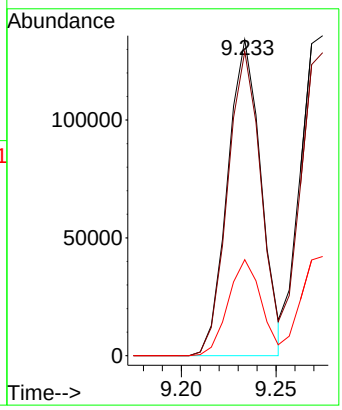


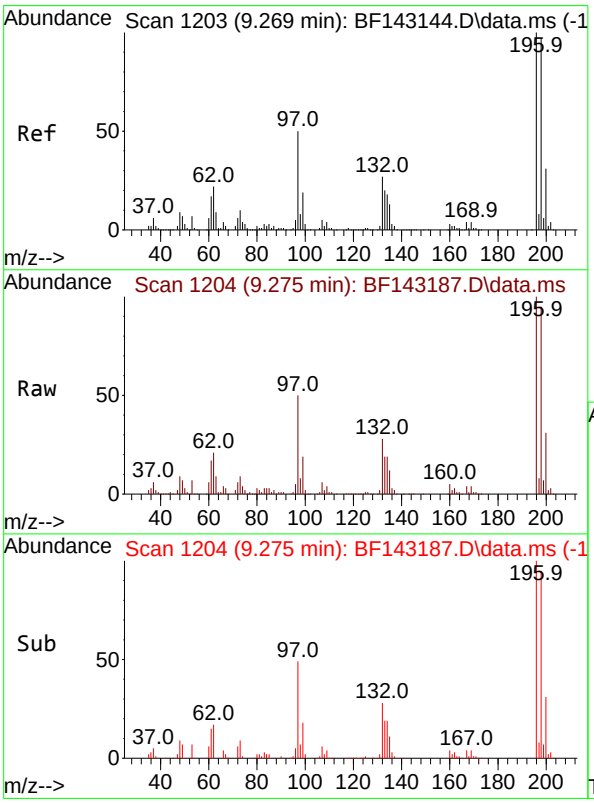
#43
2,4,6-Trichlorophenol
Concen: 39.058 ng
RT: 9.233 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 164611

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.2	114.2
200	30.4	23.9	35.9

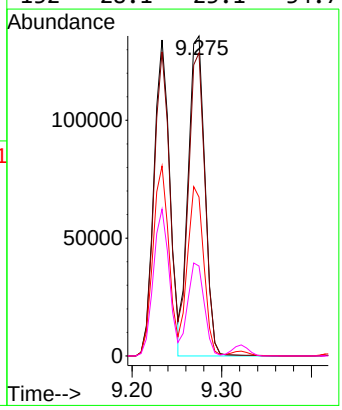


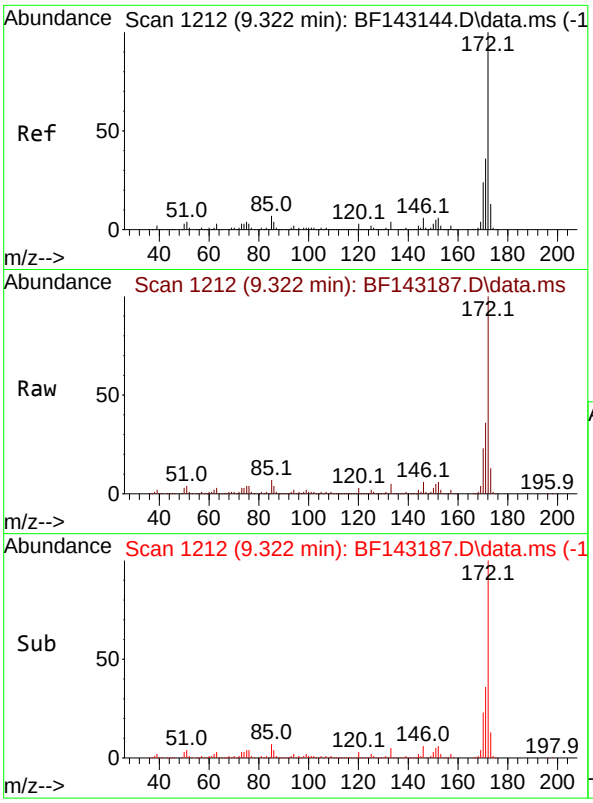


#44
2,4,5-Trichlorophenol
Concen: 41.595 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:196 Resp: 175359

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.3	115.9
97	49.6	40.3	60.5
132	28.1	23.1	34.7



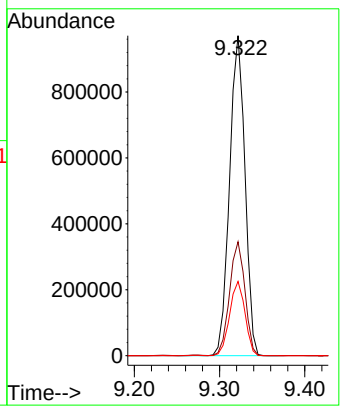


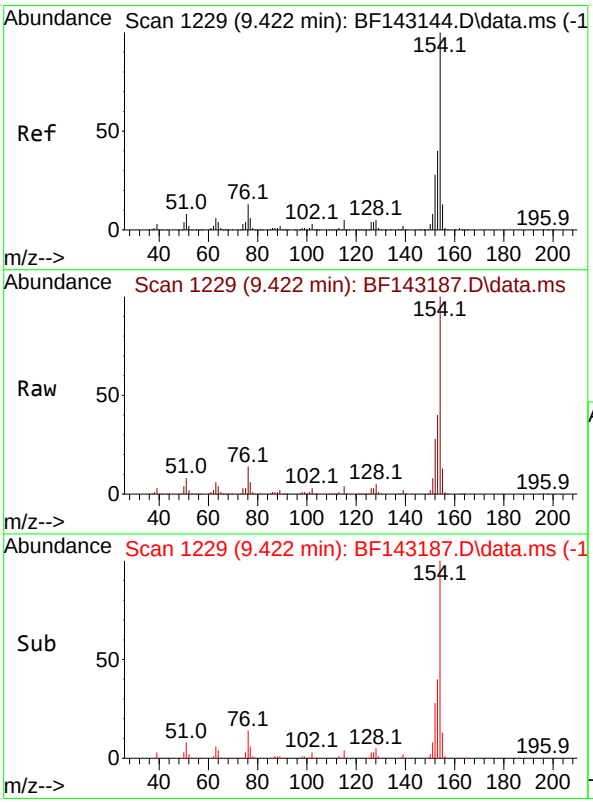
#45
2-Fluorobiphenyl
Concen: 79.290 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1222876

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.2	18.8	28.2

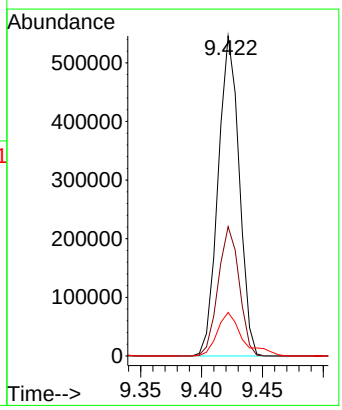


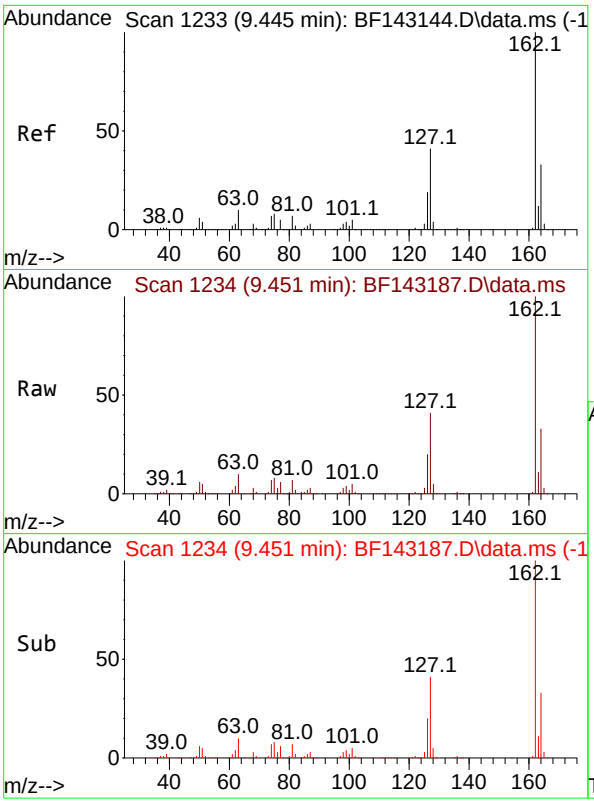


#46
1,1'-Biphenyl
Concen: 39.935 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:154 Resp: 657180

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.3	60.3
76	13.6	0.0	33.3



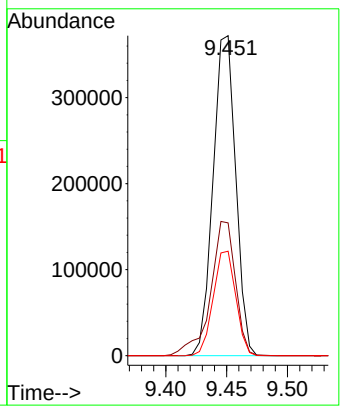


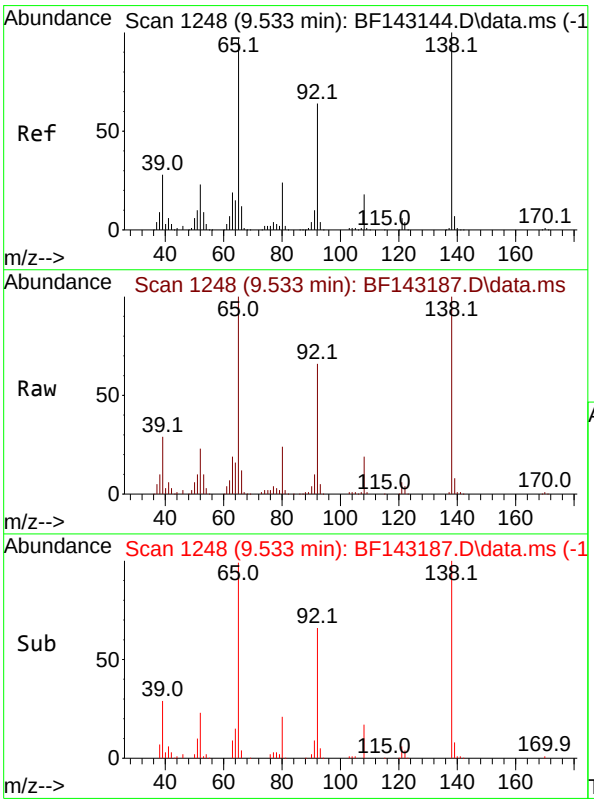
#47
2-Chloronaphthalene
Concen: 39.583 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 481986

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.7	26.2	39.2

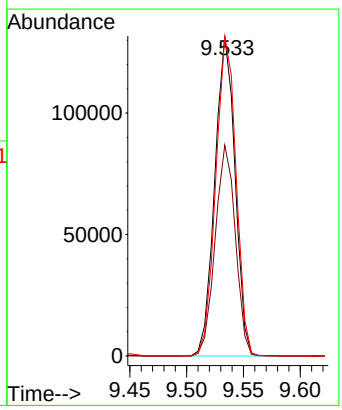


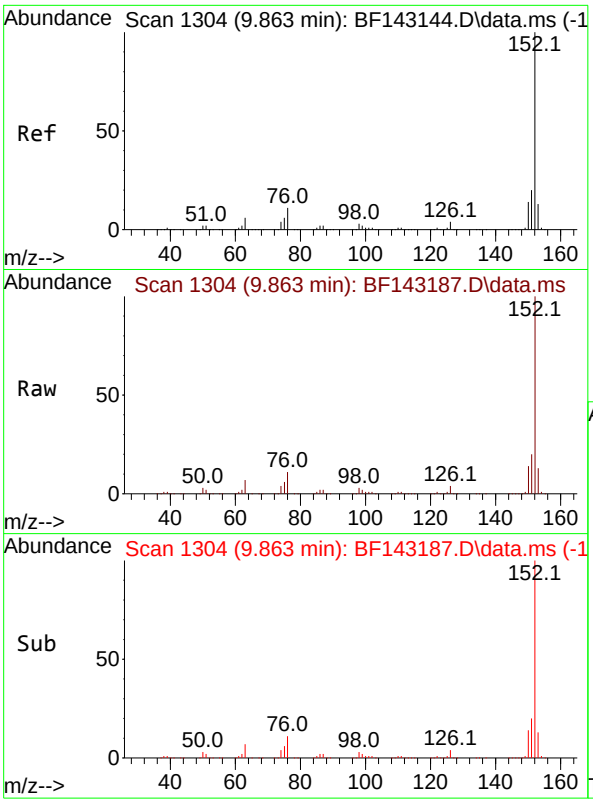


#48
2-Nitroaniline
Concen: 42.683 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion: 65 Resp: 162985

Ion	Ratio	Lower	Upper
65	100		
92	65.9	52.4	78.6
138	99.9	82.3	123.5



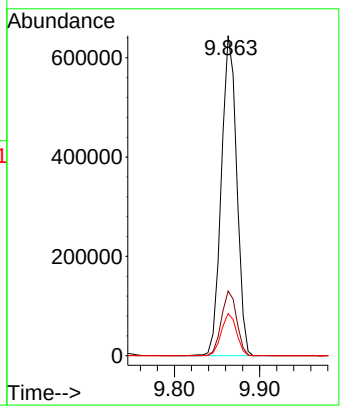


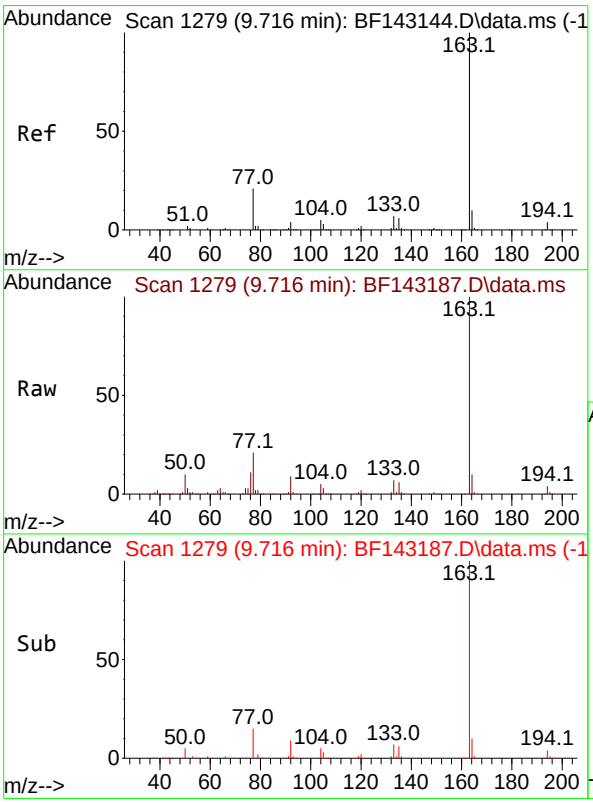
#49
Acenaphthylene
Concen: 39.572 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 807496

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.1	10.6	16.0

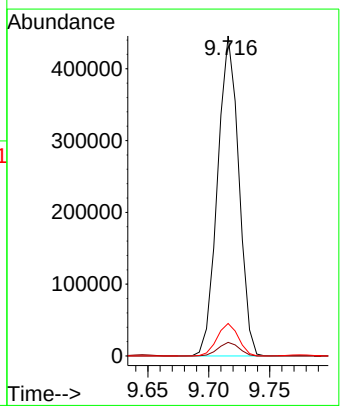


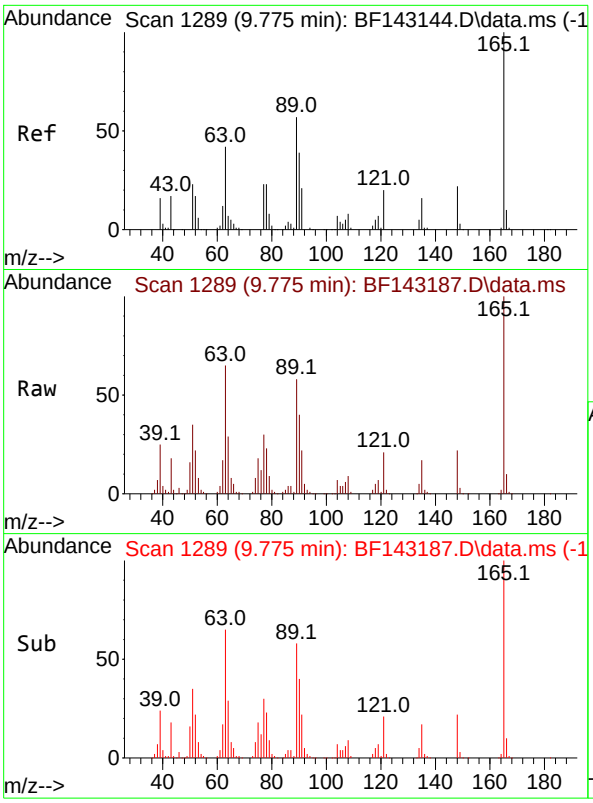


#50
Dimethylphthalate
Concen: 39.316 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:163 Resp: 540541

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.2	8.3	12.5



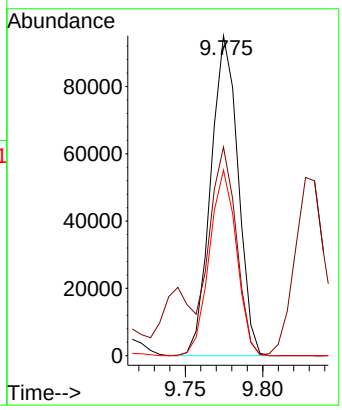


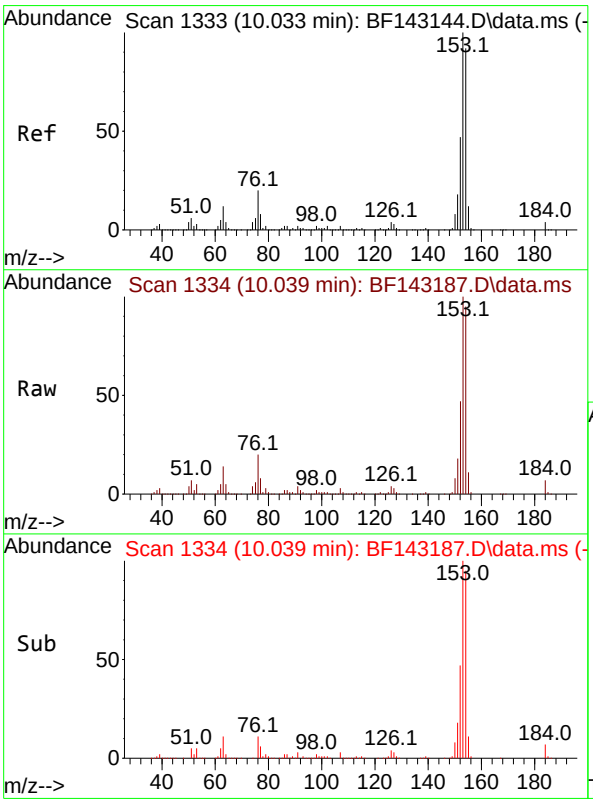
#51
2,6-Dinitrotoluene
Concen: 41.575 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 116280

Ion	Ratio	Lower	Upper
165	100		
63	65.2	49.4	74.2
89	58.0	46.2	69.2

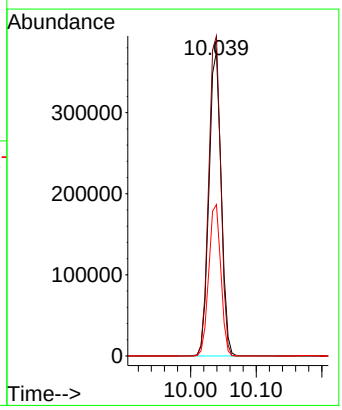


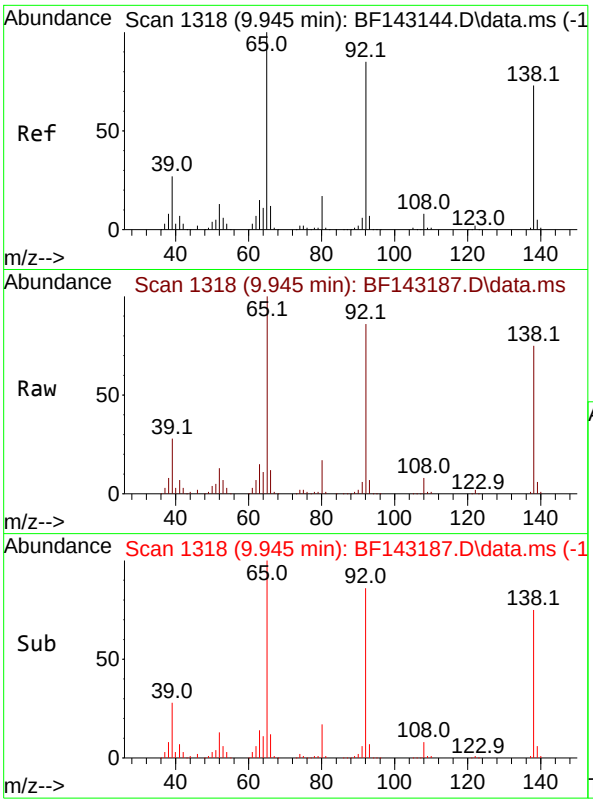


#52
Acenaphthene
Concen: 40.485 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:154 Resp: 488285

Ion	Ratio	Lower	Upper
154	100		
153	105.1	86.6	129.8
152	49.8	40.4	60.6



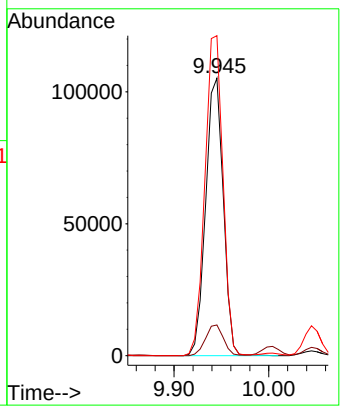


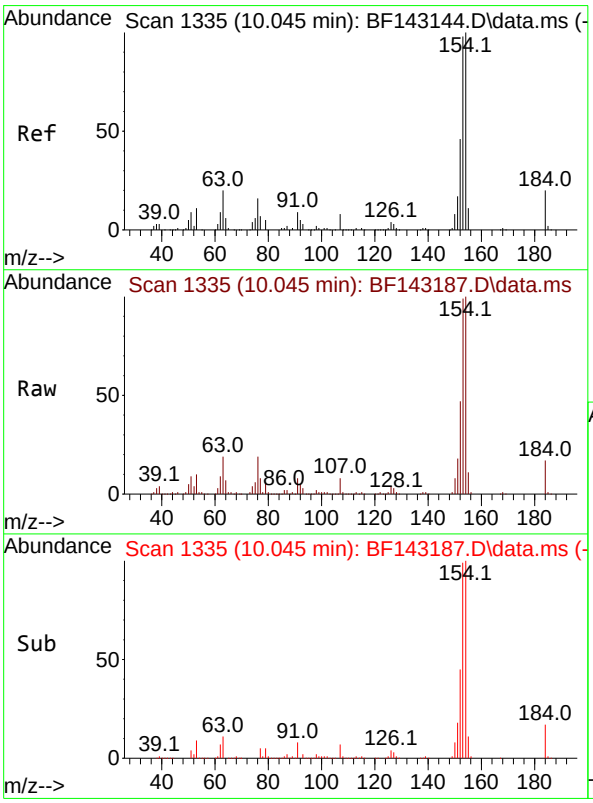
#53
3-Nitroaniline
Concen: 41.415 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 135487

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.6
92	115.4	93.0	139.4

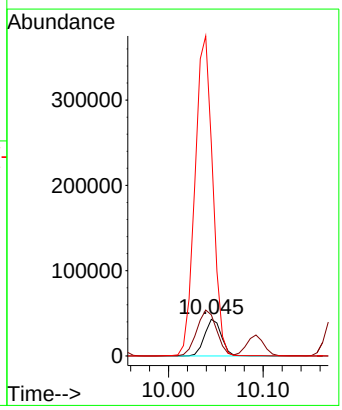


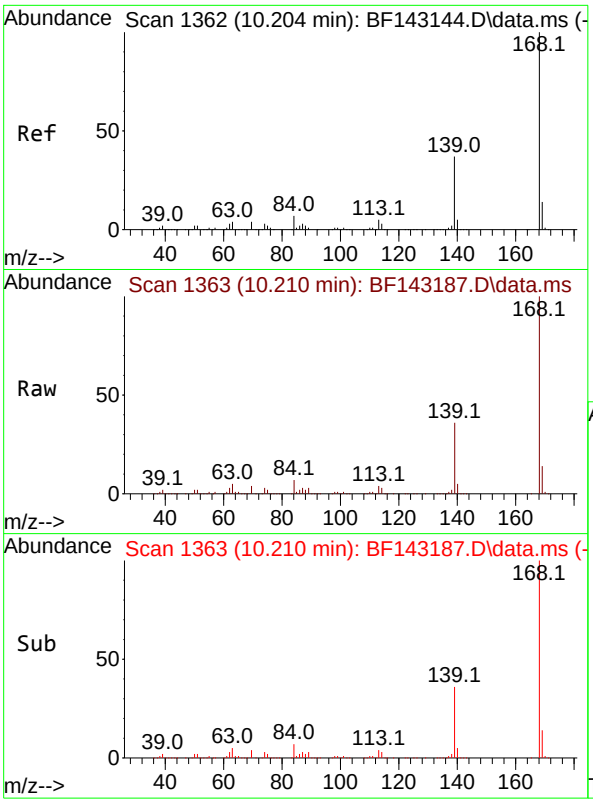


#54
2,4-Dinitrophenol
Concen: 45.117 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:184 Resp: 53173

Ion	Ratio	Lower	Upper
184	100		
63	112.3	81.8	122.6
154	579.7	412.2	618.4



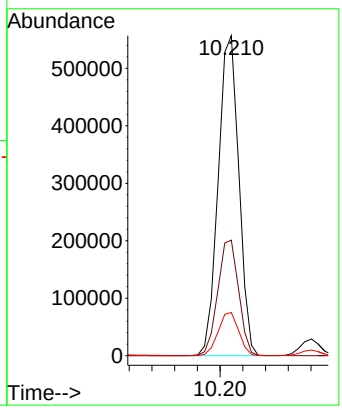


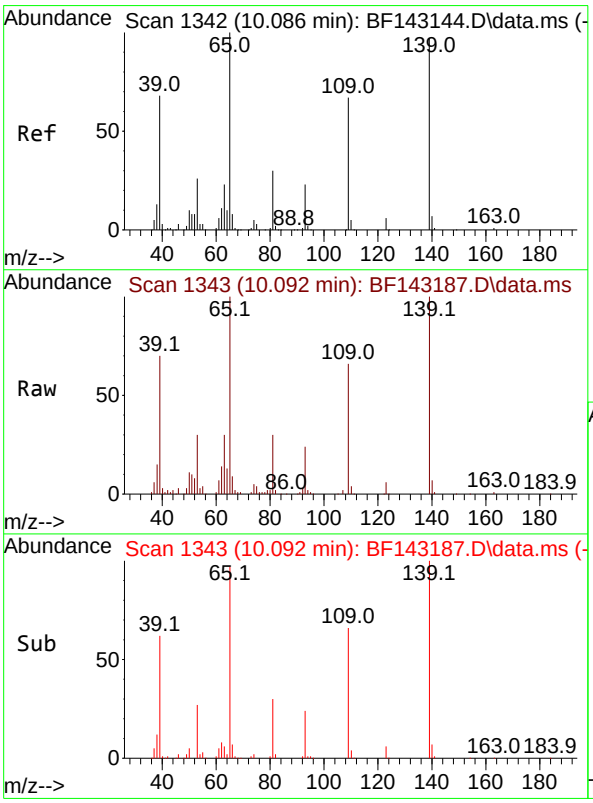
#55
Dibenzofuran
Concen: 39.249 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 702819

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.5	44.3
169	13.5	10.9	16.3

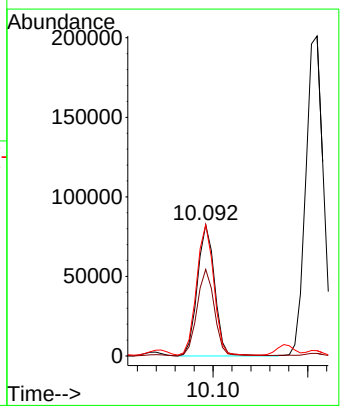


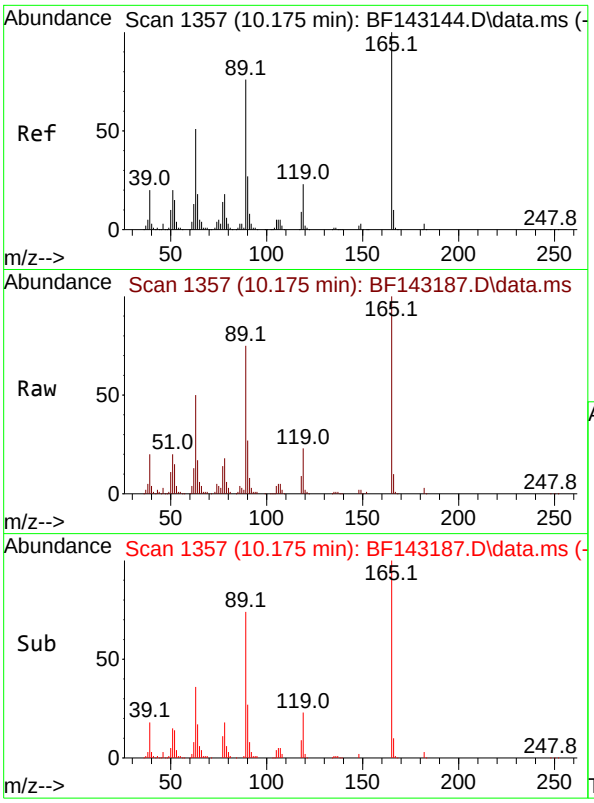


#56
4-Nitrophenol
Concen: 42.968 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:139 Resp: 104968

Ion	Ratio	Lower	Upper
139	100		
109	65.9	48.5	88.5
65	100.1	83.4	123.4



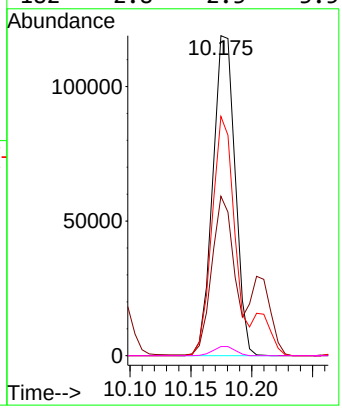


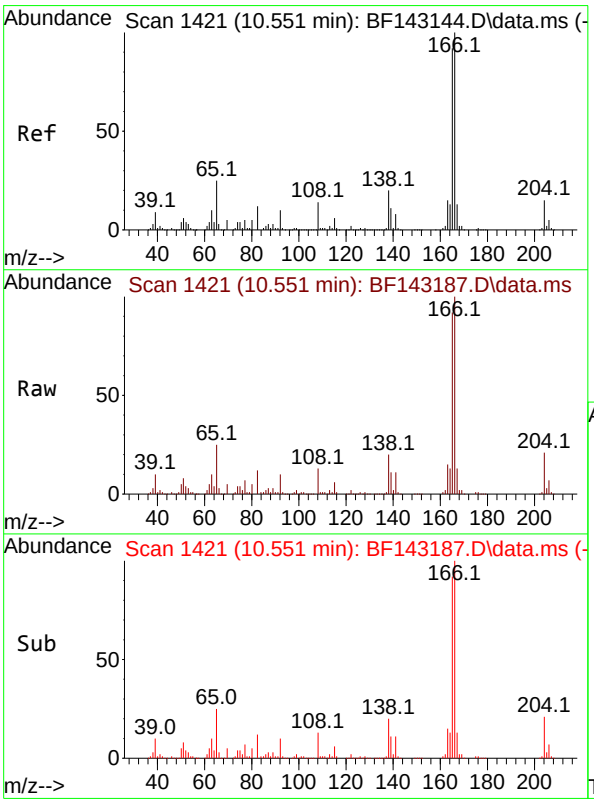
#57
2,4-Dinitrotoluene
Concen: 43.407 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 152315

Ion	Ratio	Lower	Upper
165	100		
63	49.8	41.0	61.4
89	74.7	61.1	91.7
182	2.8	2.3	3.5

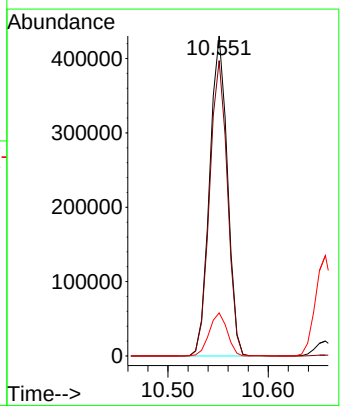


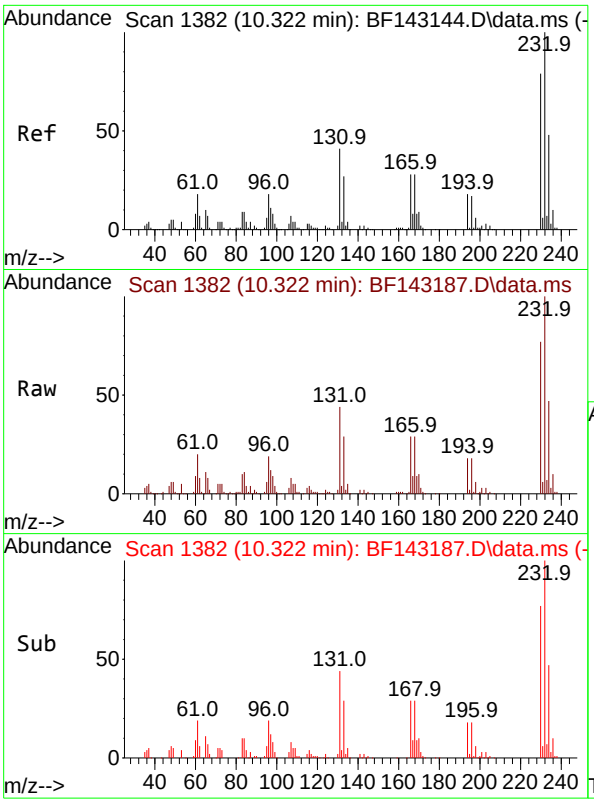


#58
Fluorene
Concen: 39.388 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:166 Resp: 529342

Ion	Ratio	Lower	Upper
166	100		
165	92.3	73.7	110.5
167	13.4	10.6	16.0



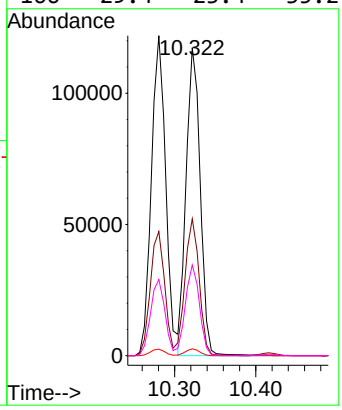


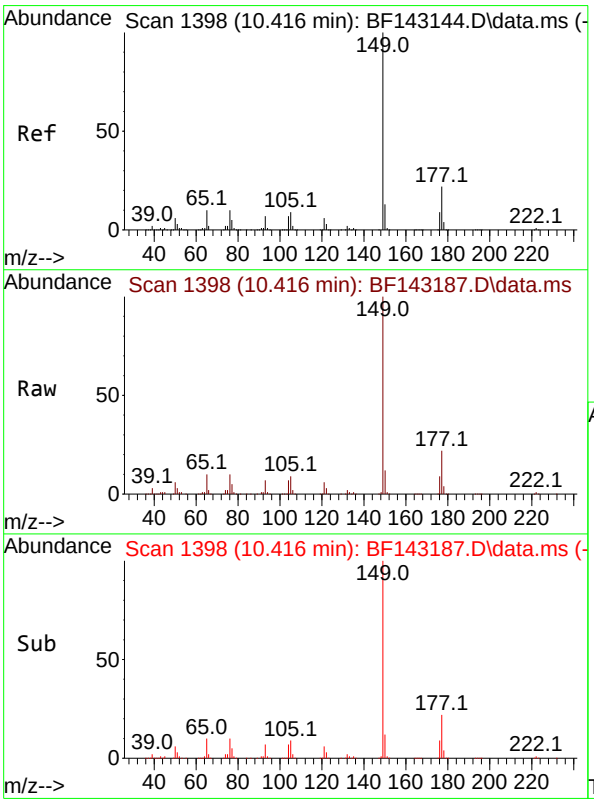
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.644 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 141939

Ion	Ratio	Lower	Upper
232	100		
131	44.9	35.3	52.9
130	2.3	1.7	2.5
166	29.4	23.4	35.2

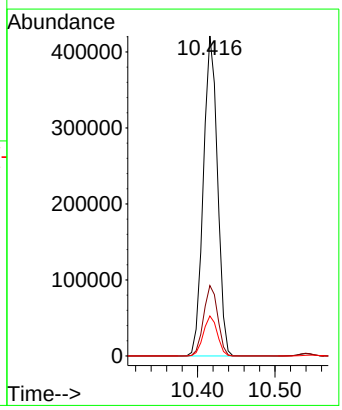


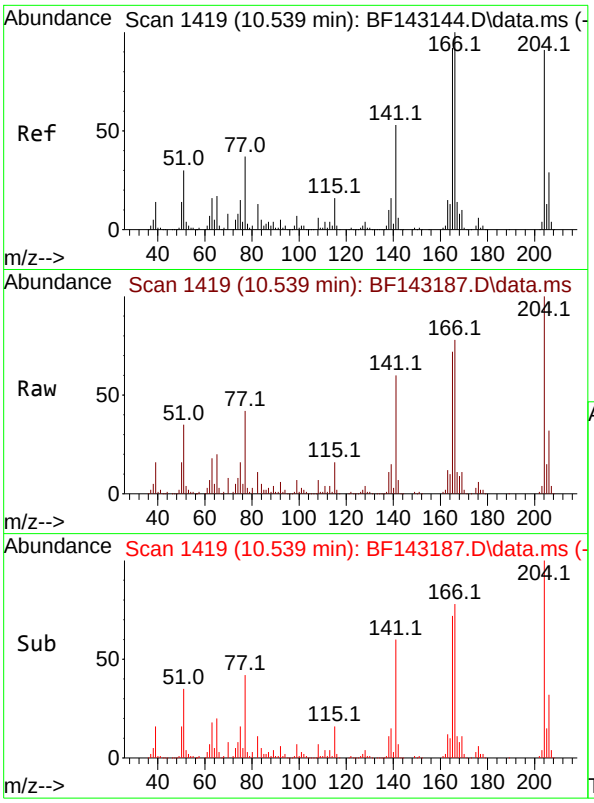


#60
Diethylphthalate
Concen: 39.184 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:149 Resp: 532483

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.5	26.3
150	12.5	10.2	15.2



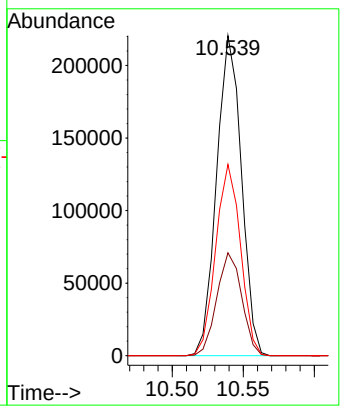


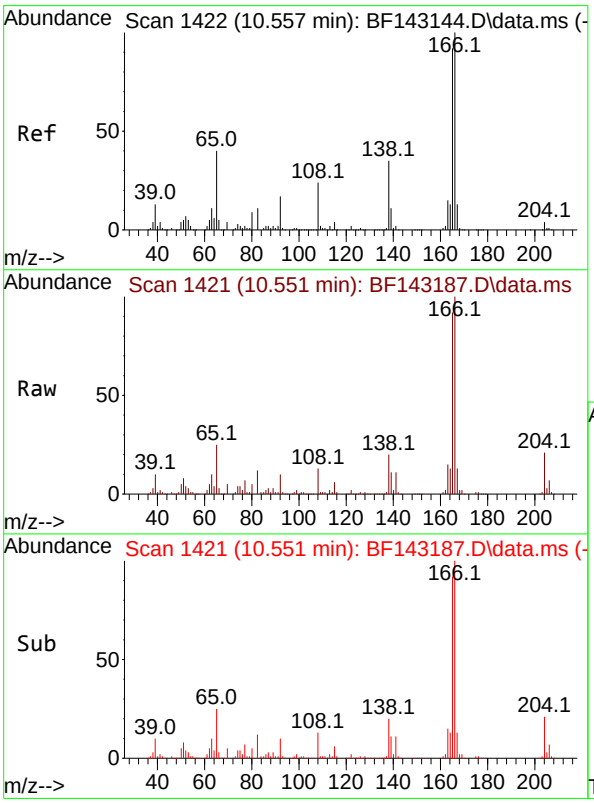
#61
4-Chlorophenyl-phenylether
Concen: 40.079 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 268207

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.8	38.8
141	59.8	47.0	70.4

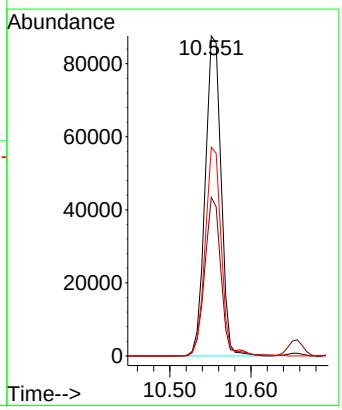


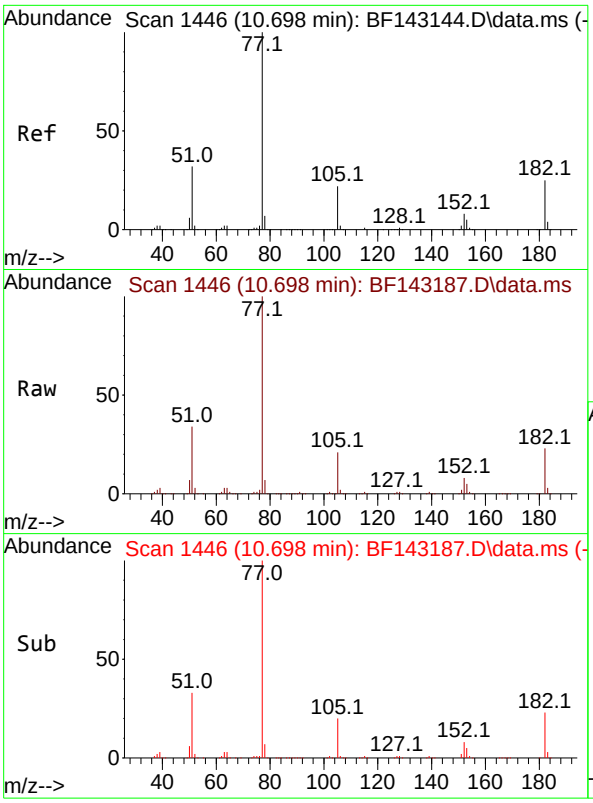


#62
4-Nitroaniline
Concen: 42.379 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:138 Resp: 118821

Ion	Ratio	Lower	Upper
138	100		
92	49.5	29.3	69.3
108	65.2	48.3	88.3



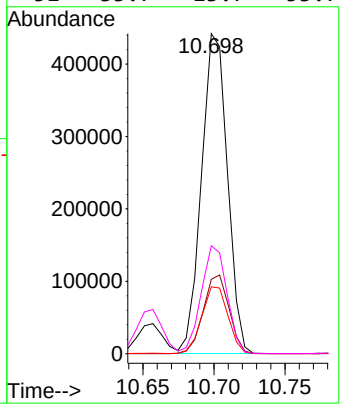


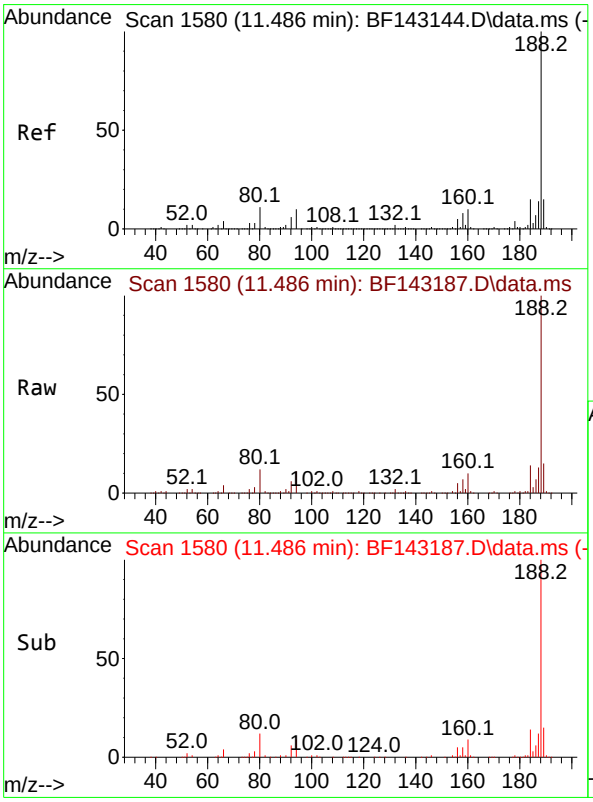
#63
Azobenzene
Concen: 39.680 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 561985

Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.6	44.6
105	20.9	1.4	41.4
51	33.7	13.7	53.7

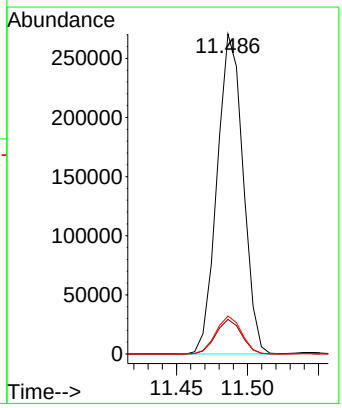


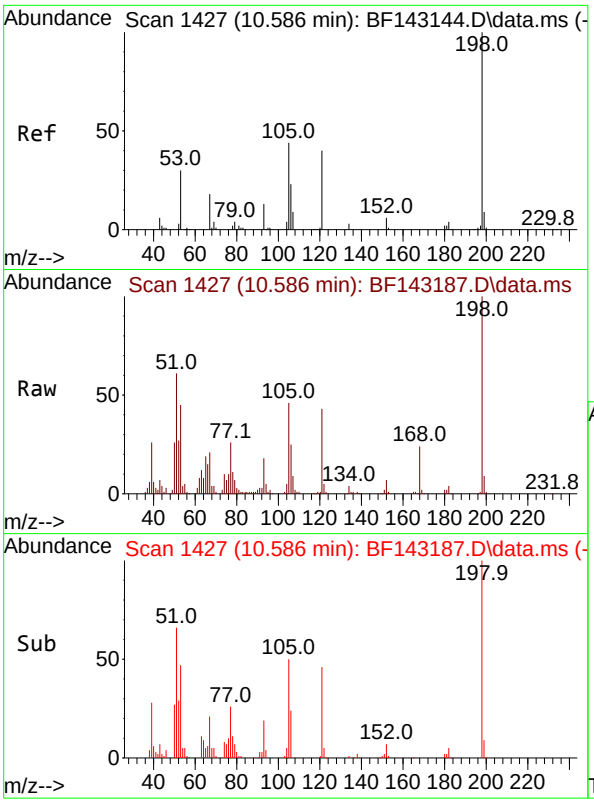


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:188 Resp: 343518

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.8	9.0	13.6



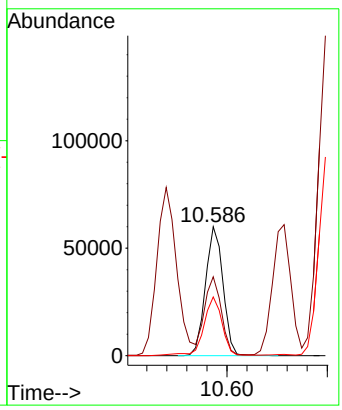


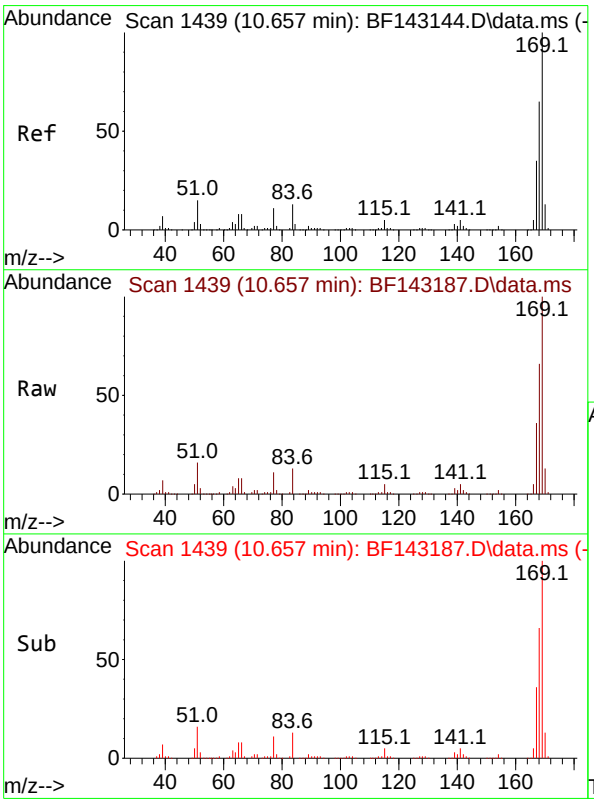
#65
4,6-Dinitro-2-methylphenol
Concen: 41.312 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 72865

Ion	Ratio	Lower	Upper
198	100		
51	61.1	37.2	77.2
105	45.6	24.8	64.8

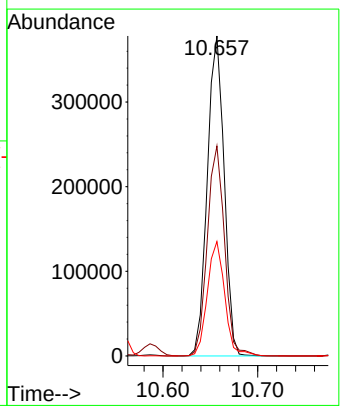


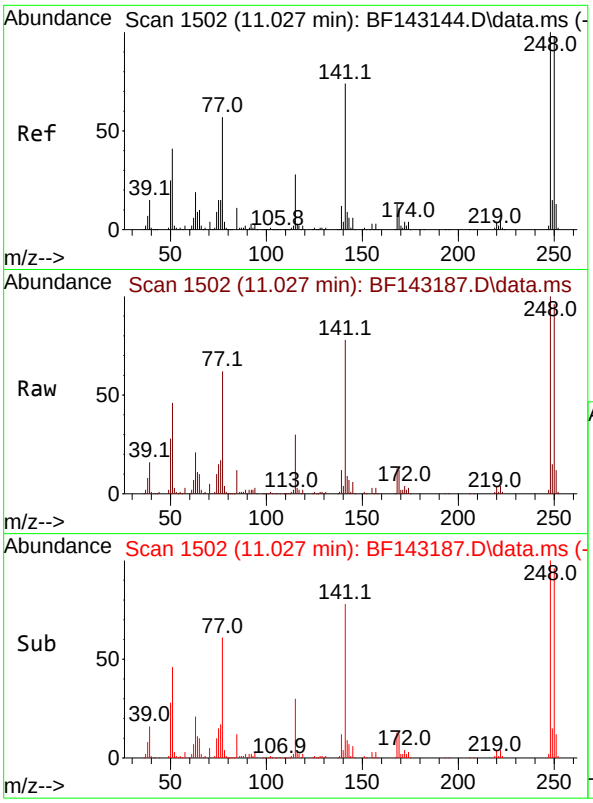


#66
n-Nitrosodiphenylamine
Concen: 38.553 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:169 Resp: 466349

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.1	78.1
167	35.7	28.2	42.2



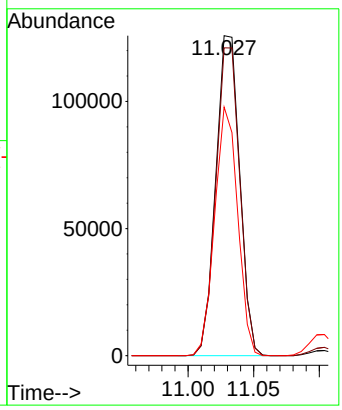


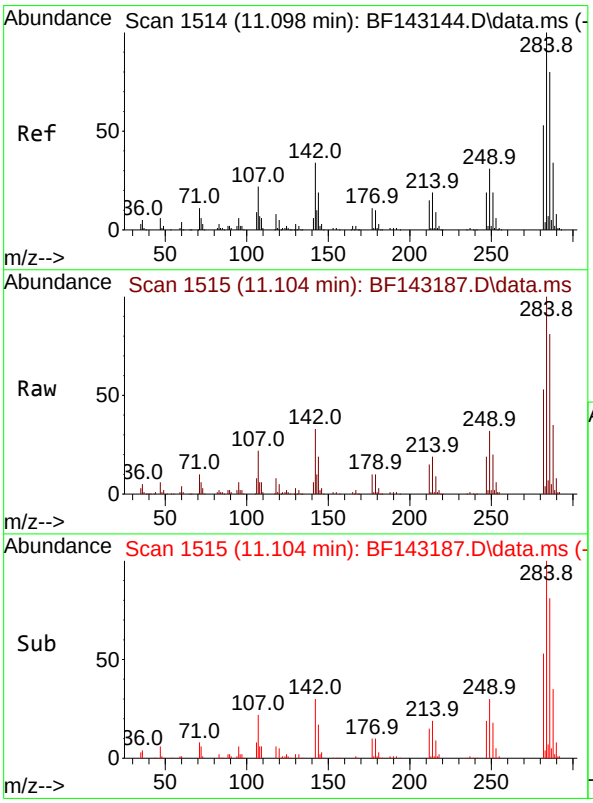
#67
4-Bromophenyl-phenylether
Concen: 39.049 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 159858

Ion	Ratio	Lower	Upper
248	100		
250	96.2	78.3	117.5
141	77.7	59.2	88.8

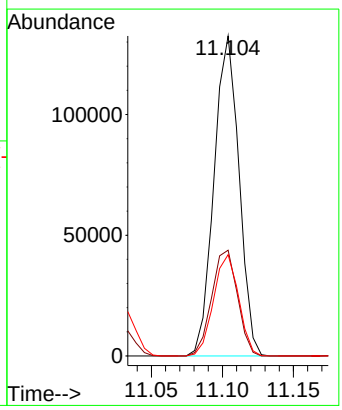


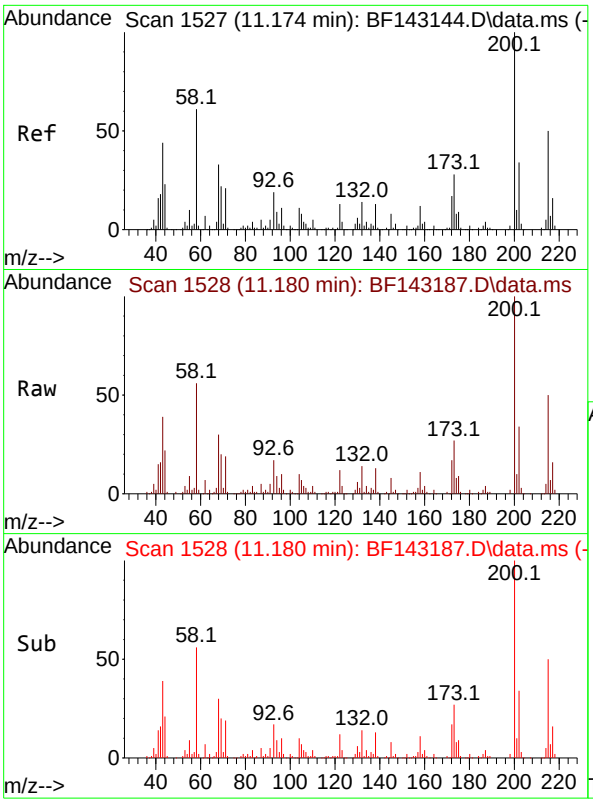


#68
Hexachlorobenzene
Concen: 37.891 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:284 Resp: 162131

Ion	Ratio	Lower	Upper
284	100		
142	33.0	27.0	40.6
249	31.7	25.0	37.6



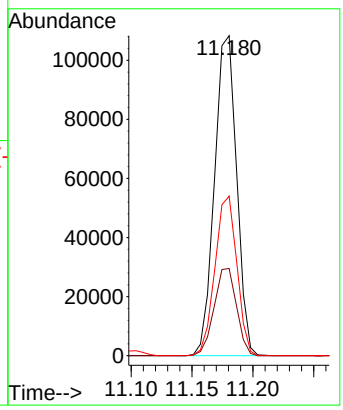


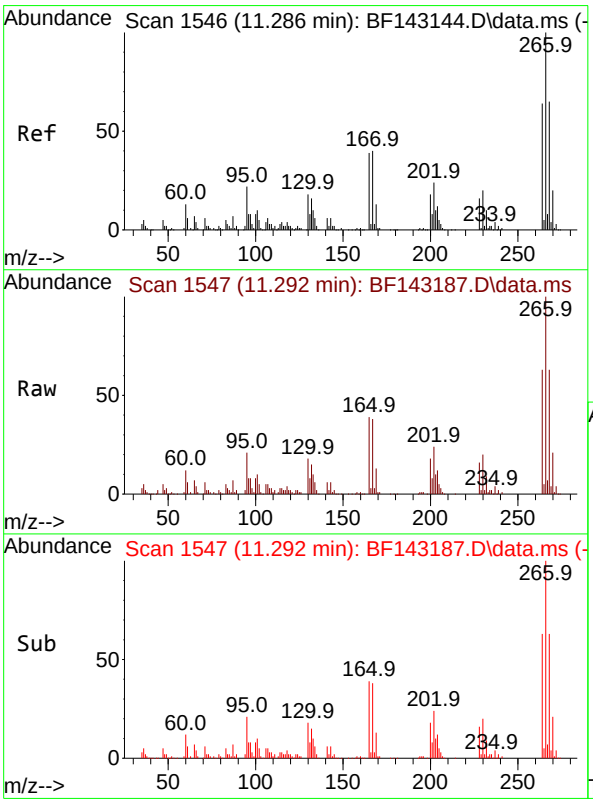
#69
Atrazine
Concen: 41.112 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 137101

Ion	Ratio	Lower	Upper
200	100		
173	27.3	7.9	47.9
215	49.8	30.1	70.1

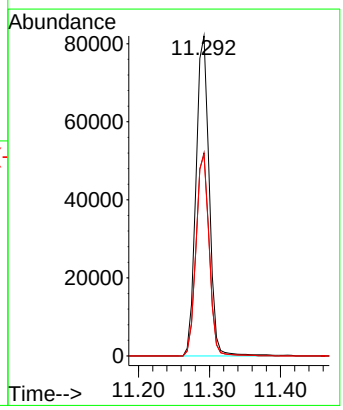


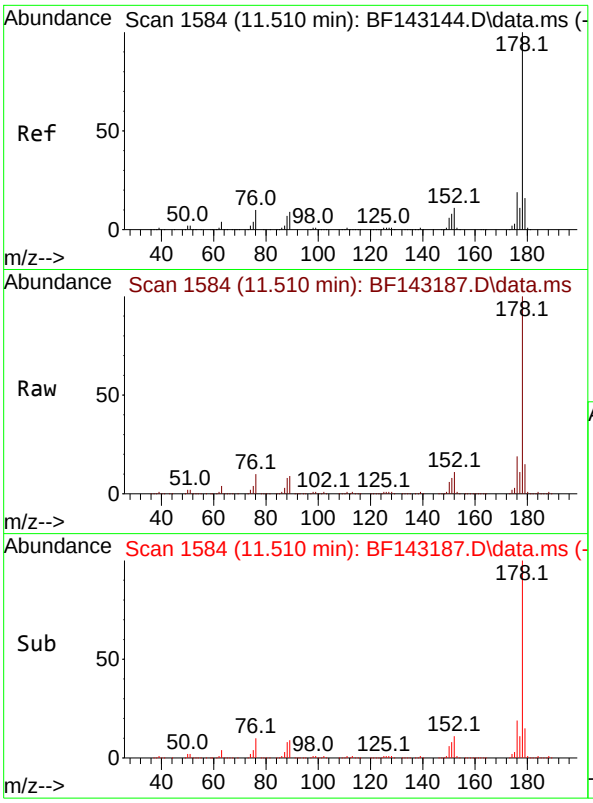


#70
Pentachlorophenol
Concen: 42.253 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:266 Resp: 106322

Ion	Ratio	Lower	Upper
266	100		
268	63.5	51.9	77.9
264	62.9	51.0	76.6



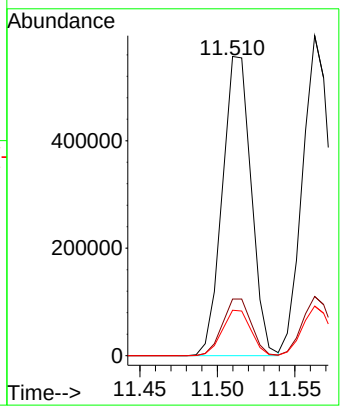


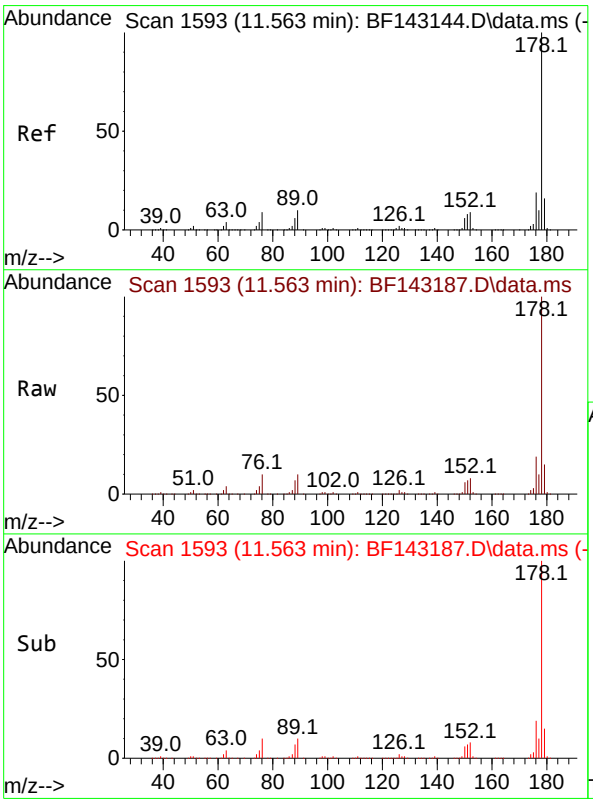
#71
Phenanthrene
Concen: 39.552 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 721419

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.5	18.7

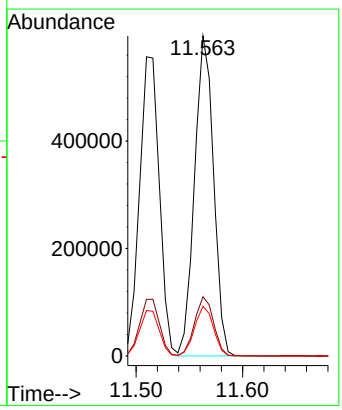


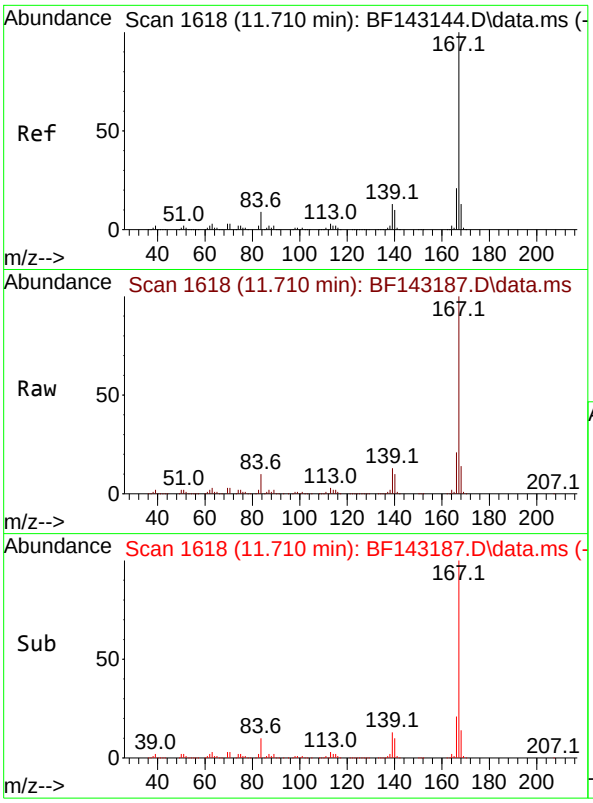


#72
Anthracene
Concen: 39.733 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:178 Resp: 739139

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.5	18.7



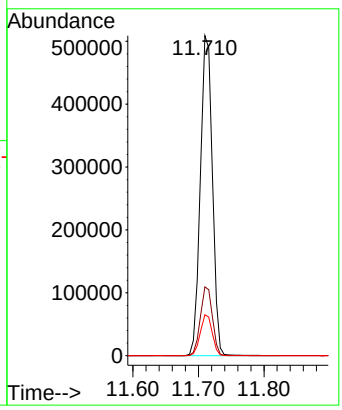


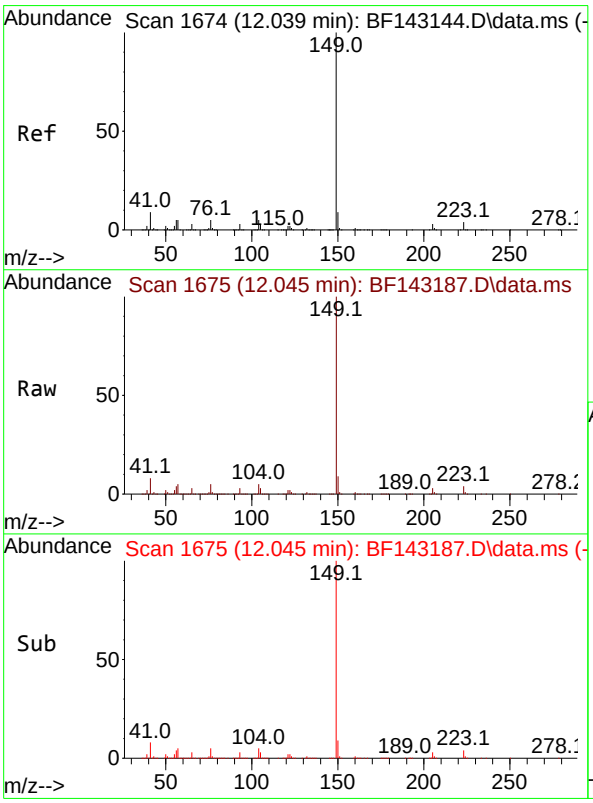
#73
Carbazole
Concen: 40.280 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 654287

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	12.8	10.0	15.0

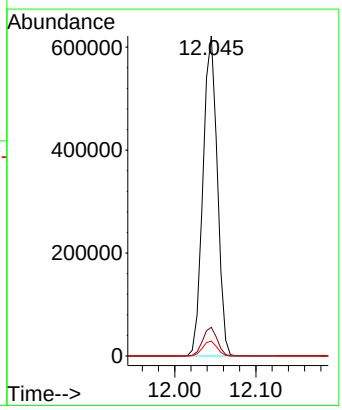


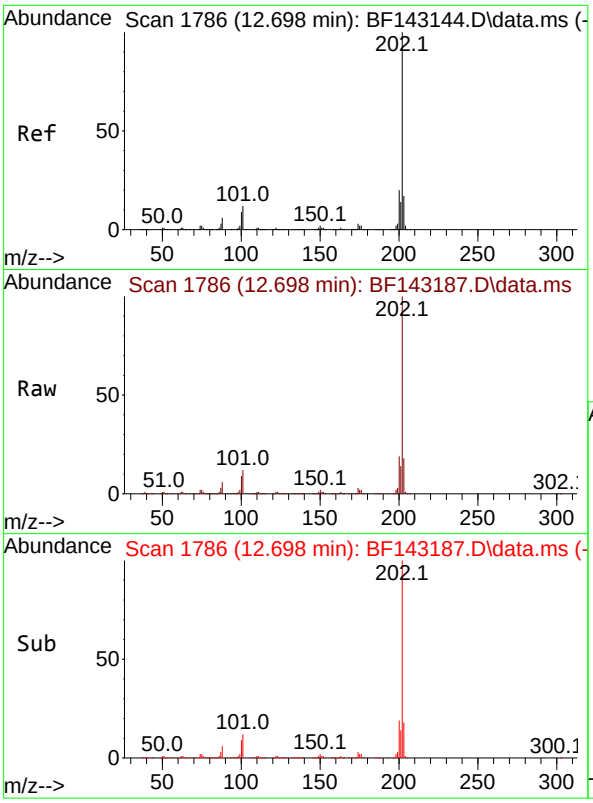


#74
Di-n-butylphthalate
Concen: 41.427 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:149 Resp: 761405

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	4.7	3.8	5.8



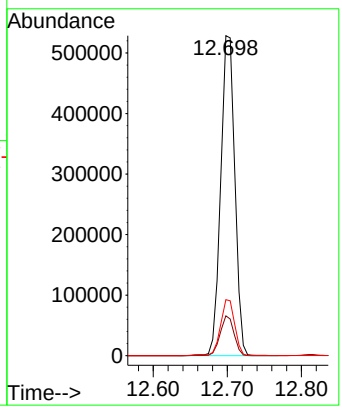


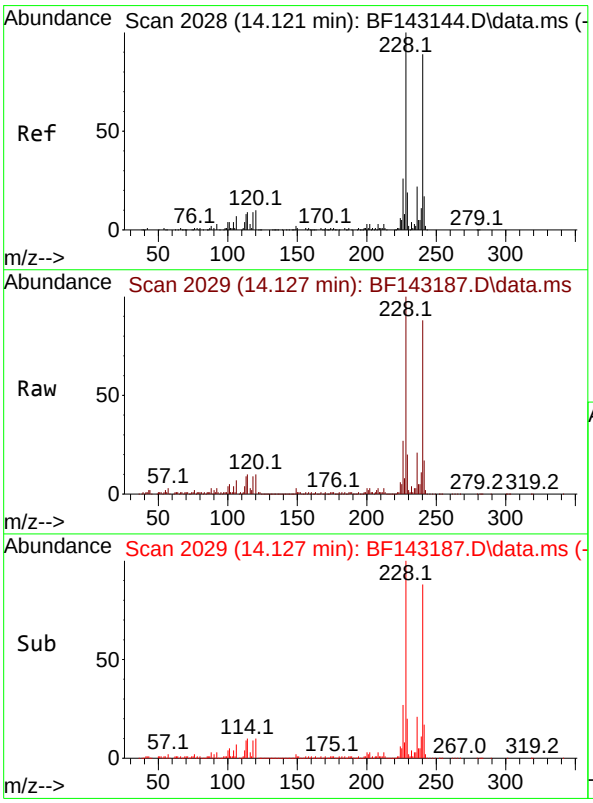
#75
Fluoranthene
Concen: 41.844 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 700542

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.7
203	17.5	0.0	37.4

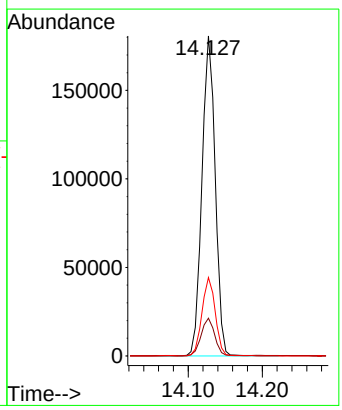


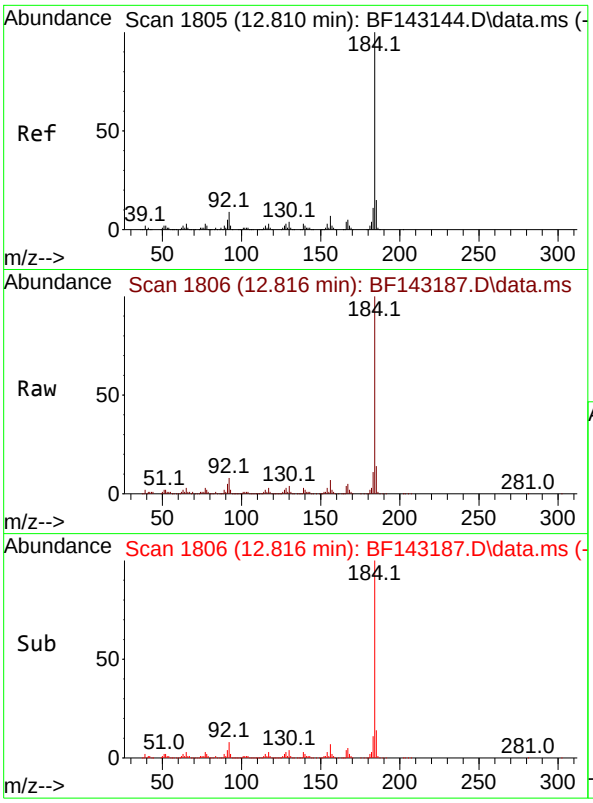


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:240 Resp: 225021

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	24.5	20.2	30.4



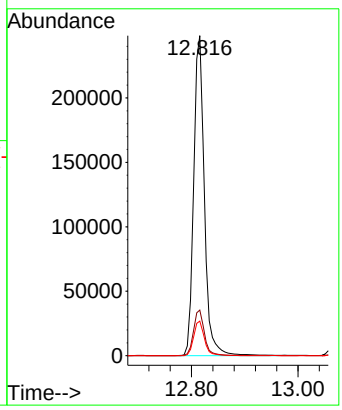


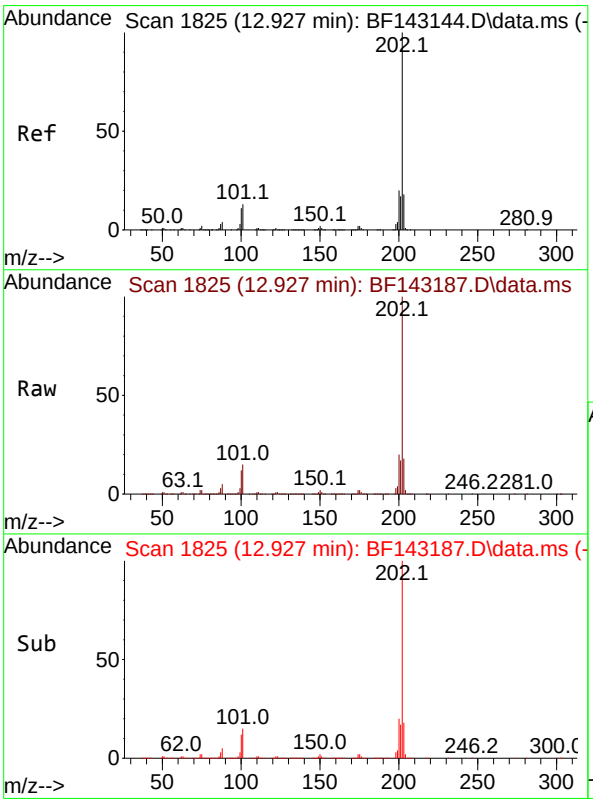
#77
Benzidine
Concen: 39.813 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 345158

Ion	Ratio	Lower	Upper
184	100		
185	14.3	12.2	18.4
183	10.8	9.0	13.4

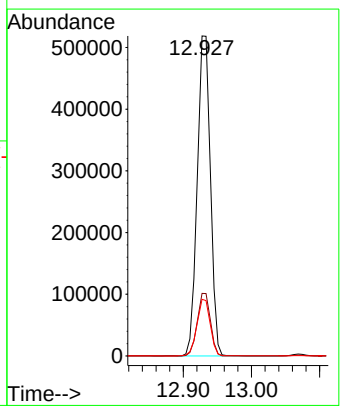


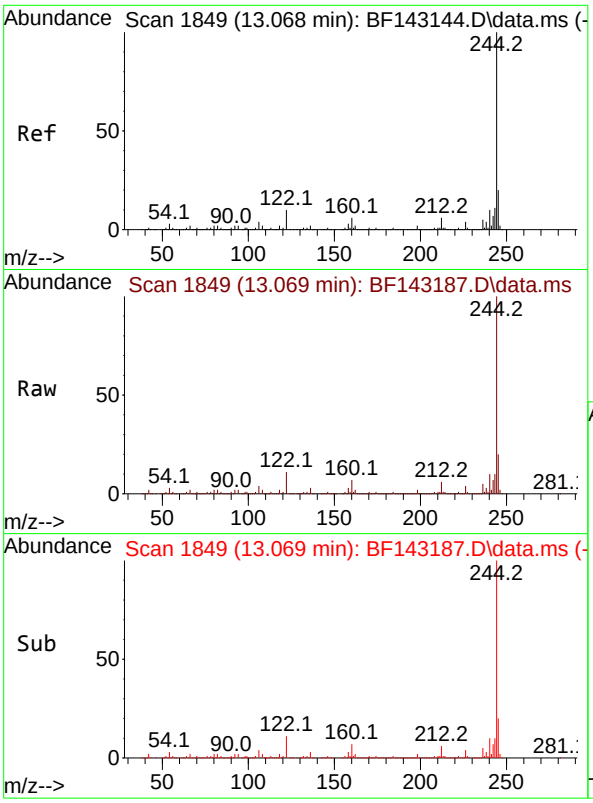


#78
Pyrene
Concen: 36.176 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:202 Resp: 694738

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.7	23.5
203	17.7	14.2	21.2



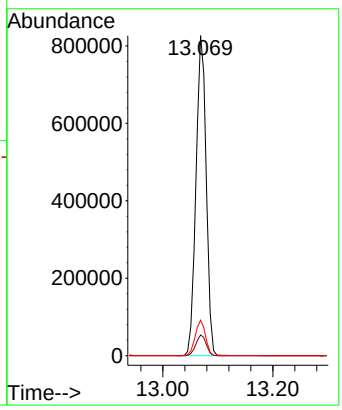


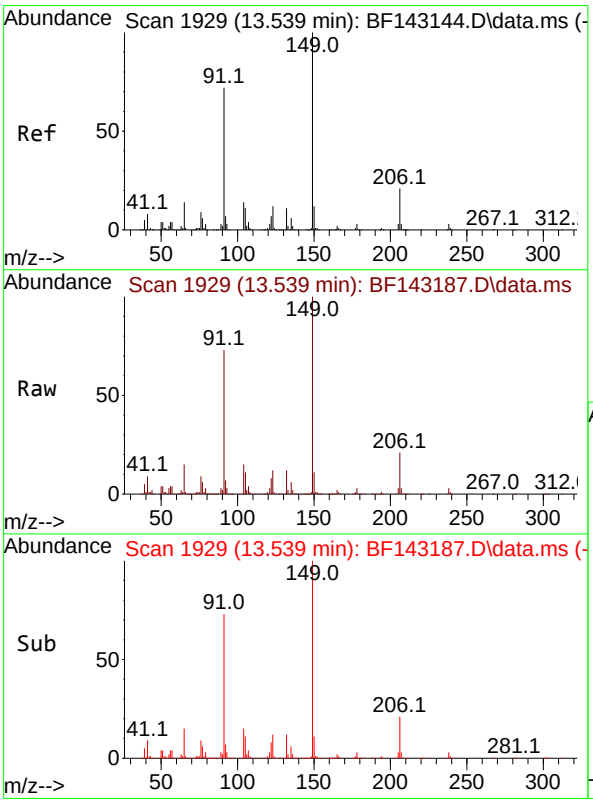
#79
Terphenyl-d14
Concen: 70.493 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1065941

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.1	8.2	12.2

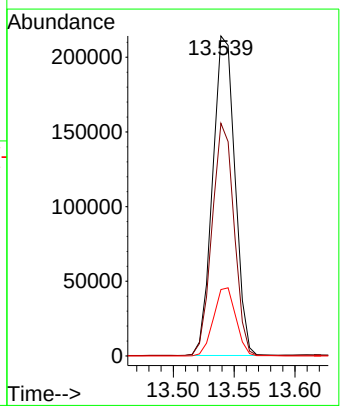


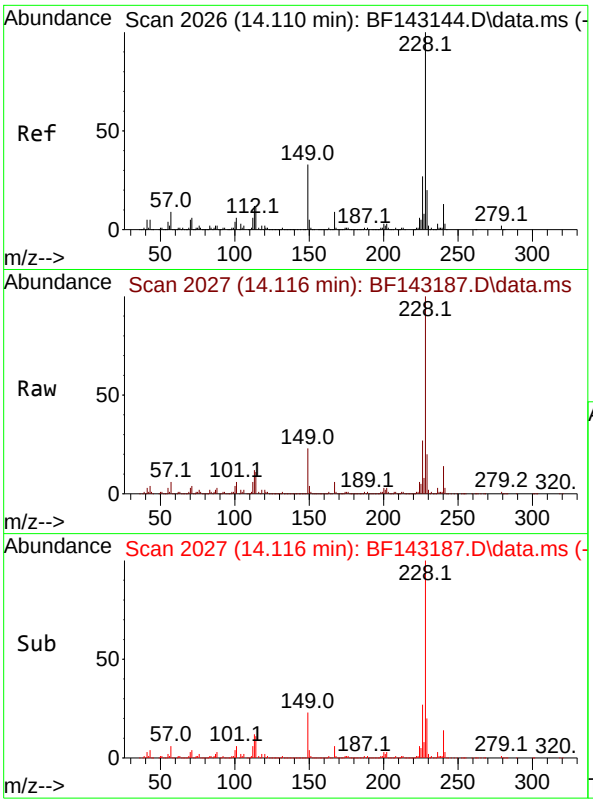


#80
Butylbenzylphthalate
Concen: 46.491 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:149 Resp: 273396

Ion	Ratio	Lower	Upper
149	100		
91	72.7	57.9	86.9
206	20.8	17.0	25.4



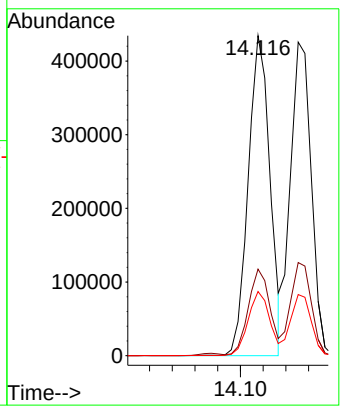


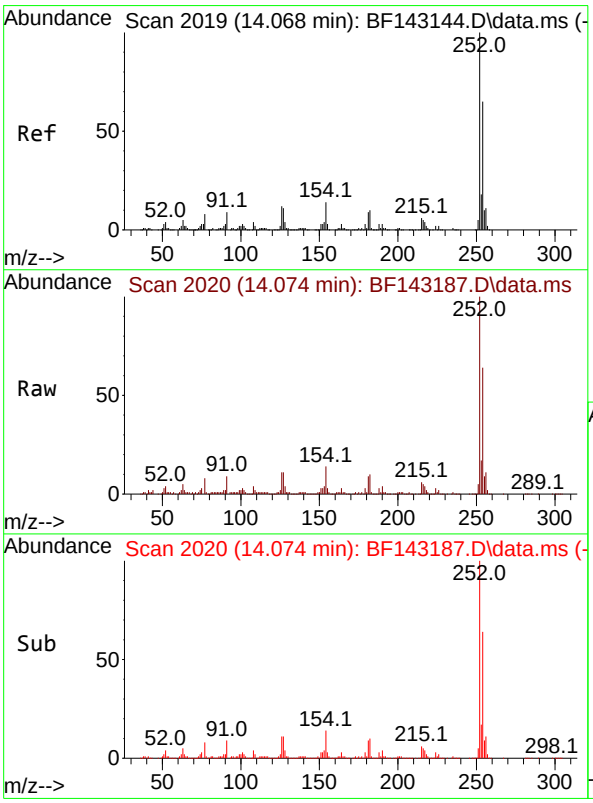
#81
Benzo(a)anthracene
Concen: 38.346 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 577684

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	20.0	15.8	23.6

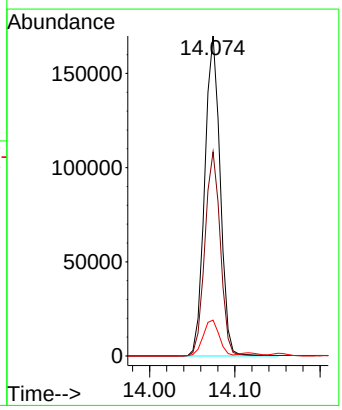


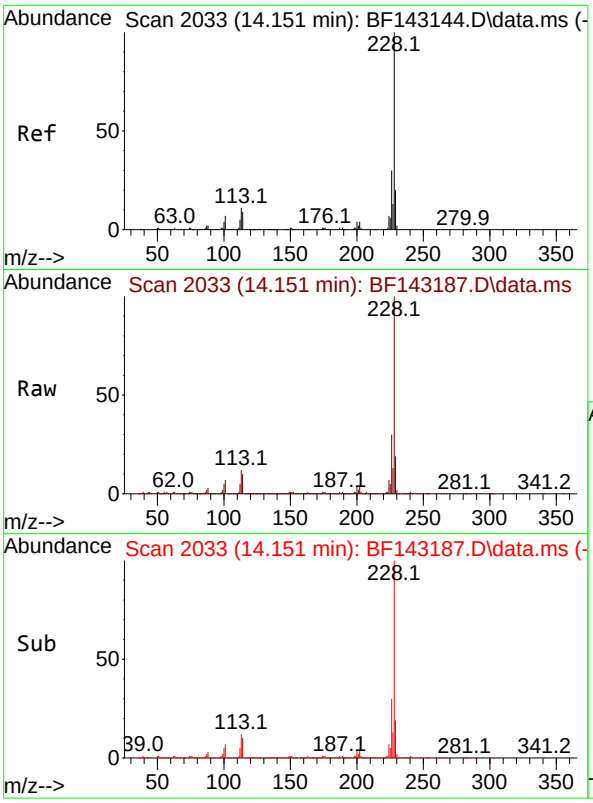


#82
3,3'-Dichlorobenzidine
Concen: 42.575 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:252 Resp: 213772

Ion	Ratio	Lower	Upper
252	100		
254	63.8	51.7	77.5
126	11.2	9.4	14.0



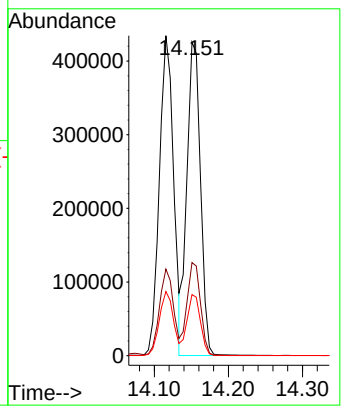


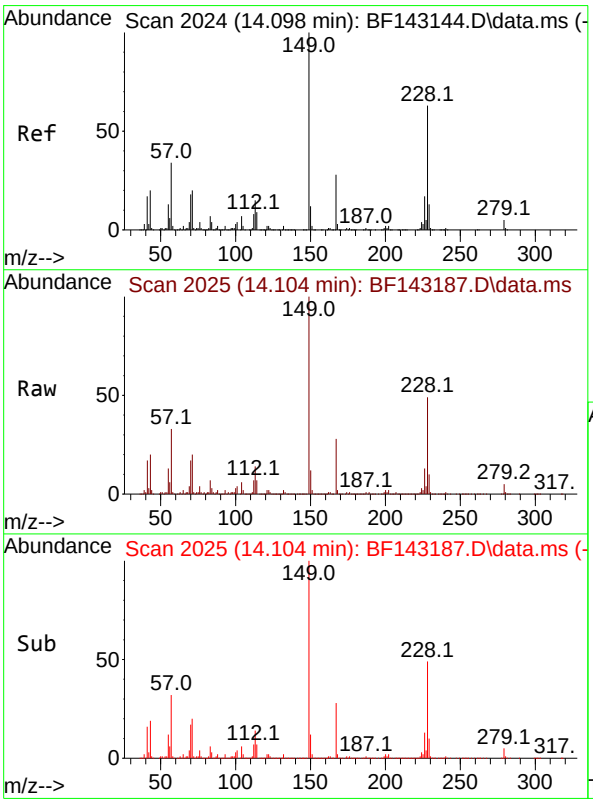
#83
Chrysene
Concen: 40.193 ng
RT: 14.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 544414

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	19.5	15.6	23.4

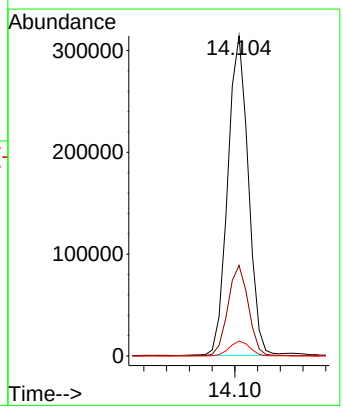


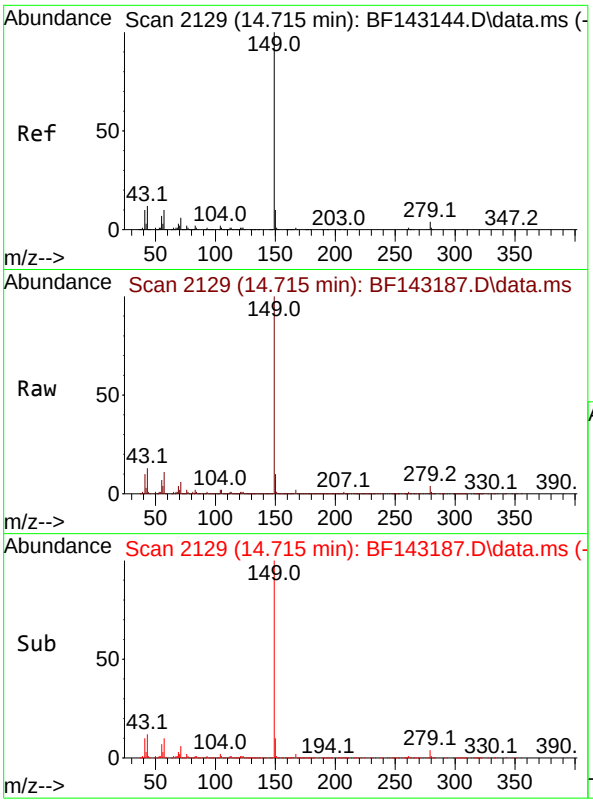


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.258 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:149 Resp: 393938

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.3	33.5
279	4.7	3.6	5.4



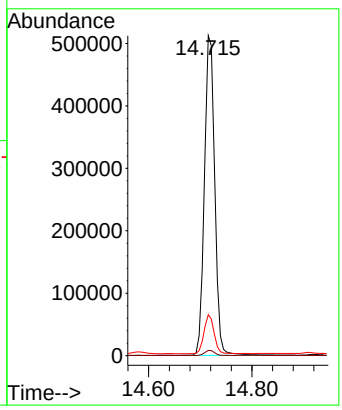


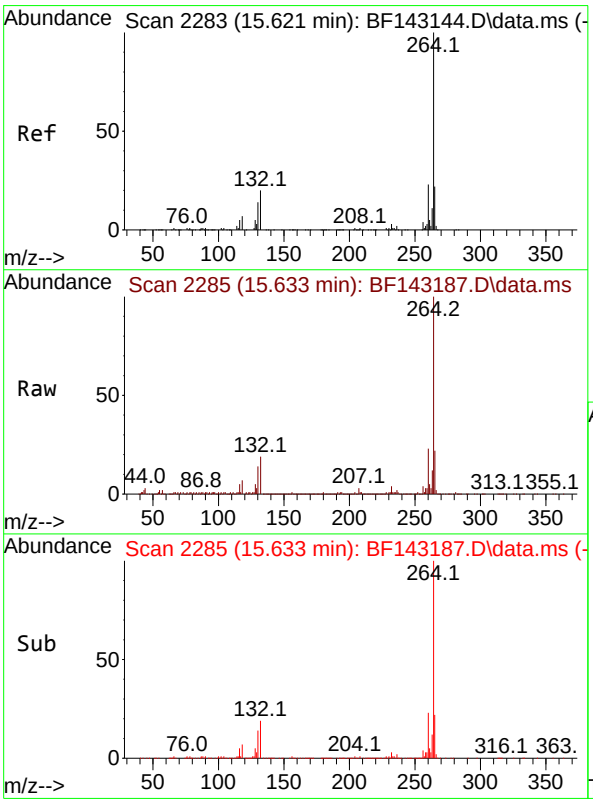
#85
Di-n-octyl phthalate
Concen: 43.945 ng
RT: 14.715 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 709014

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.9	9.7	14.5

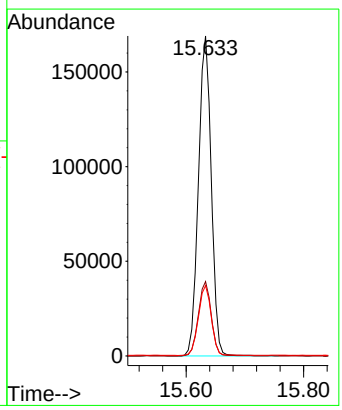


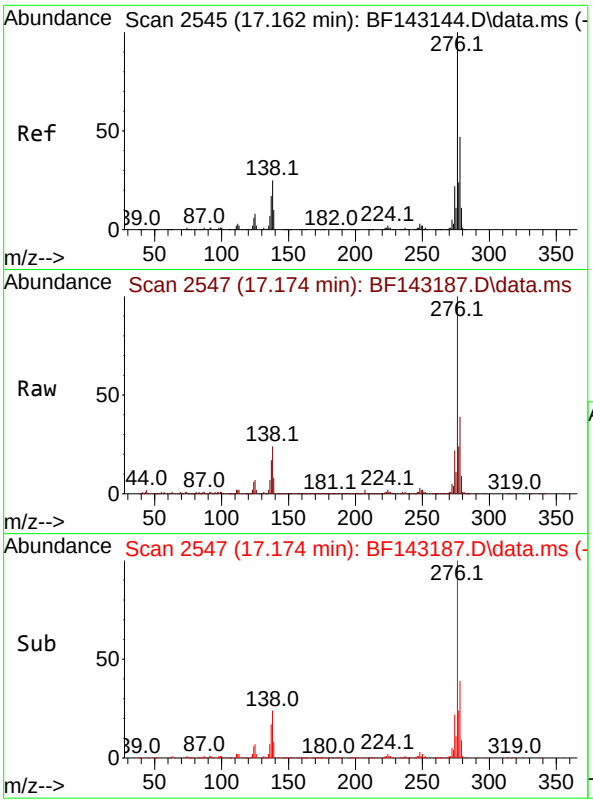


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:264 Resp: 256485

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.5	27.7
265	22.0	17.4	26.2



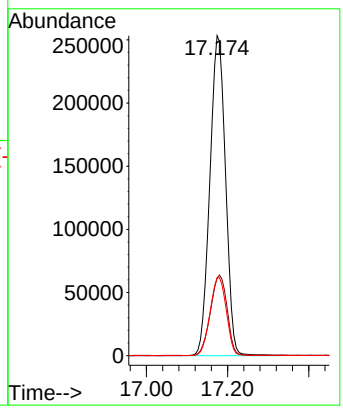


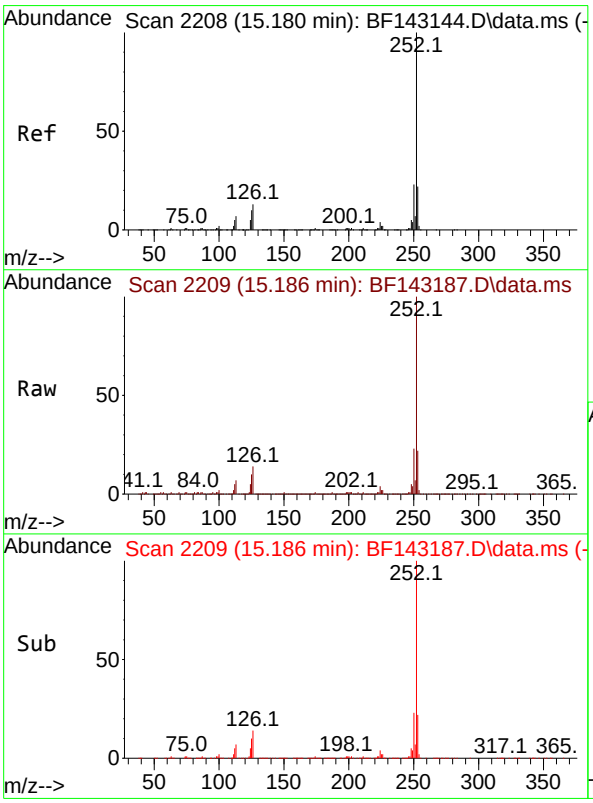
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.481 ng
RT: 17.174 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 677875

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.6
277	25.1	20.0	30.0

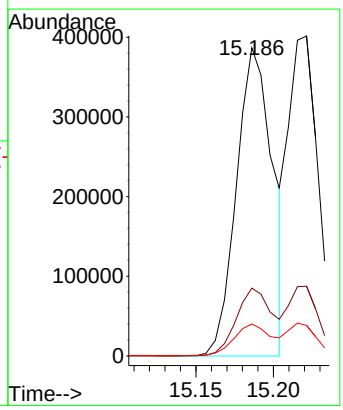


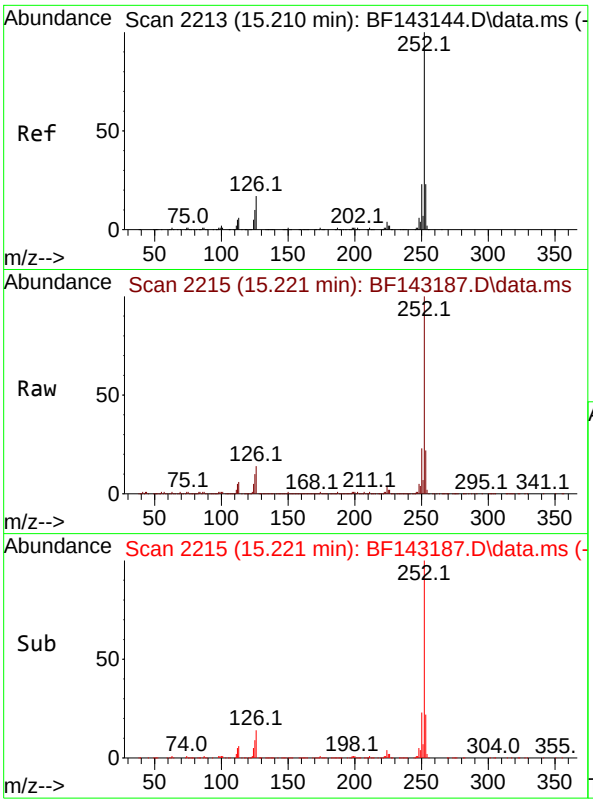


#88
Benzo(b)fluoranthene
Concen: 39.973 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:252 Resp: 626330

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.4	8.0	12.0



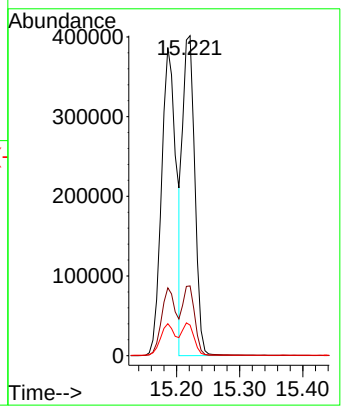


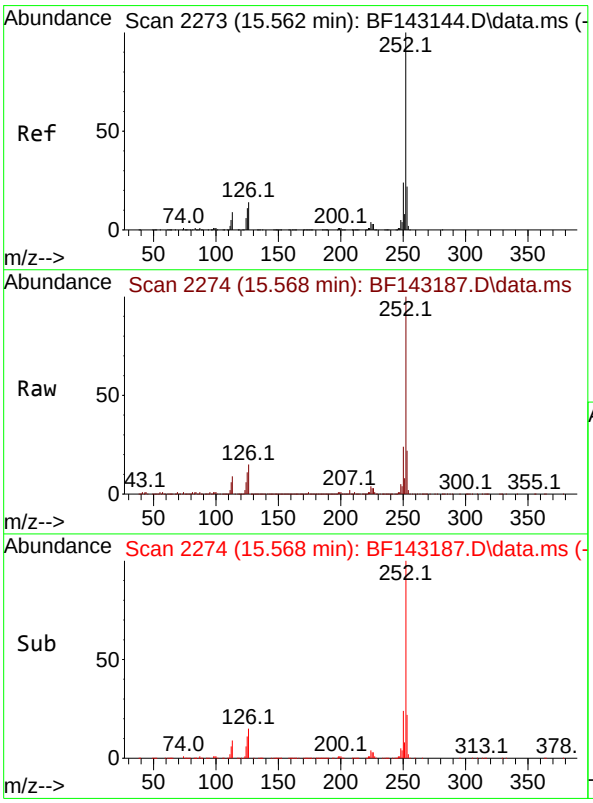
#89
Benzo(k)fluoranthene
Concen: 38.503 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 538347

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.6	8.1	12.1

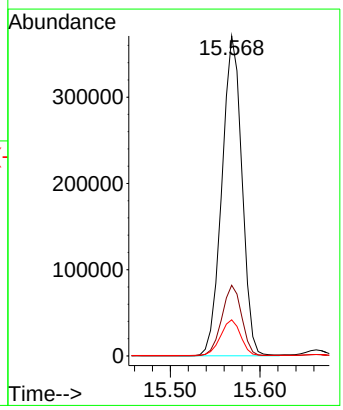


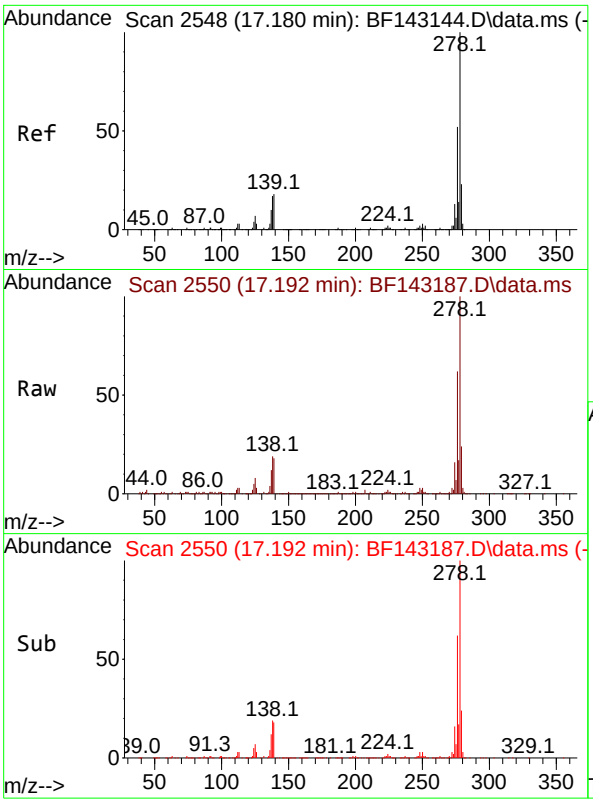


#90
Benzo(a)pyrene
Concen: 39.760 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:252 Resp: 573999

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	11.3	8.6	13.0



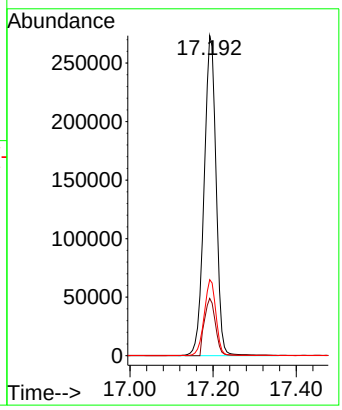


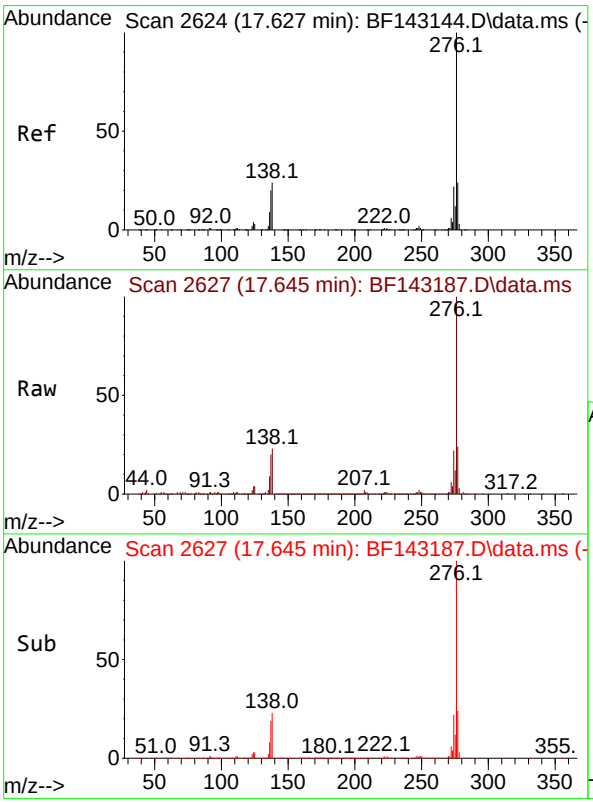
#91
Dibenzo(a,h)anthracene
Concen: 37.299 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 549063

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.1	21.1
279	23.7	18.6	28.0

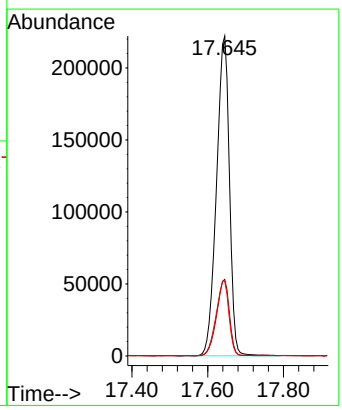




#92
Benzo(g,h,i)perylene
Concen: 36.968 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143187.D
Acq: 22 Jul 2025 13:55

Tgt Ion:276 Resp: 526414

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	23.3	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	66	0.00
2		1,4-Dioxane	0.598	0.573	4.2	63	-0.02
3		Pyridine	1.552	1.487	4.2	65	0.00
4		n-Nitrosodimethylamine	0.801	0.773	3.5	63	-0.02
5	S	2-Fluorophenol	1.264	1.228	2.8	66	0.00
6		Aniline	2.217	2.129	4.0	64	0.00
7	S	Phenol-d6	1.591	1.539	3.3	66	0.00
8		2-Chlorophenol	1.325	1.296	2.2	66	0.00
9		Benzaldehyde	1.193	1.113	6.7	51	0.00
10	C	Phenol	1.733	1.787	-3.1	69	0.00
11		bis(2-Chloroethyl)ether	1.327	1.279	3.6	65	0.00
12		1,3-Dichlorobenzene	1.439	1.418	1.5	67	0.00
13	C	1,4-Dichlorobenzene	1.449	1.419	2.1	66	0.00
14		1,2-Dichlorobenzene	1.378	1.357	1.5	67	0.00
15		Benzyl Alcohol	1.215	1.191	2.0	65	0.00
16		2,2'-oxybis(1-Chloropropane	2.461	2.444	0.7	67	0.00
17		2-Methylphenol	1.114	1.095	1.7	66	0.00
18		Hexachloroethane	0.502	0.505	-0.6	68	0.00
19	P	n-Nitroso-di-n-propylamine	1.021	0.950	7.0	64	0.00
20		3+4-Methylphenols	1.351	1.360	-0.7	67	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	66	0.00
22		Acetophenone	0.474	0.455	4.0	66	0.00
23	S	Nitrobenzene-d5	0.401	0.404	-0.7	67	0.00
24		Nitrobenzene	0.374	0.373	0.3	65	0.00
25		Isophorone	0.708	0.669	5.5	64	0.00
26	C	2-Nitrophenol	0.162	0.179	-10.5	69	0.00
27		2,4-Dimethylphenol	0.331	0.320	3.3	65	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.413	2.8	66	0.00
29	C	2,4-Dichlorophenol	0.279	0.275	1.4	66	0.00
30		1,2,4-Trichlorobenzene	0.302	0.296	2.0	66	0.00
31		Naphthalene	0.985	0.970	1.5	67	0.00
32		Benzoic acid	0.169	0.198	-17.2	72	-0.01
33		4-Chloroaniline	0.402	0.390	3.0	66	0.00
34	C	Hexachlorobutadiene	0.184	0.183	0.5	67	0.00
35		Caprolactam	0.084	0.083	1.2	63	0.00
36	C	4-Chloro-3-methylphenol	0.303	0.293	3.3	64	0.00
37		2-Methylnaphthalene	0.599	0.591	1.3	67	0.00
38		1-Methylnaphthalene	0.617	0.608	1.5	67	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	64	0.00
40		1,2,4,5-Tetrachlorobenzene	0.577	0.580	-0.5	67	0.00
41	P	Hexachlorocyclopentadiene	0.376	0.387	-2.9	66	0.00
42	S	2,4,6-Tribromophenol	0.207	0.214	-3.4	65	0.00
43	C	2,4,6-Trichlorophenol	0.400	0.390	2.5	65	0.00
44		2,4,5-Trichlorophenol	0.400	0.416	-4.0	65	0.00
45	S	2-Fluorobiphenyl	1.462	1.449	0.9	68	0.00
46		1,1'-Biphenyl	1.560	1.558	0.1	66	0.00
47		2-Chloronaphthalene	1.155	1.143	1.0	66	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	0.362	0.386	-6.6	65	0.00
49		Acenaphthylene	1.935	1.914	1.1	65	0.00
50		Dimethylphthalate	1.304	1.281	1.8	64	0.00
51		2,6-Dinitrotoluene	0.265	0.276	-4.2	63	0.00
52	C	Acenaphthene	1.144	1.157	-1.1	67	0.00
53		3-Nitroaniline	0.310	0.321	-3.5	64	0.00
54	P	2,4-Dinitrophenol	0.098	0.126	-28.6#	77	0.00
55		Dibenzofuran	1.698	1.666	1.9	65	0.00
56	P	4-Nitrophenol	0.232	0.249	-7.3	64	0.00
57		2,4-Dinitrotoluene	0.333	0.361	-8.4	65	0.00
58		Fluorene	1.274	1.255	1.5	66	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.336	-1.5	64	0.00
60		Diethylphthalate	1.289	1.262	2.1	63	0.00
61		4-Chlorophenyl-phenylether	0.635	0.636	-0.2	66	0.00
62		4-Nitroaniline	0.266	0.282	-6.0	64	0.00
63		Azobenzene	1.343	1.332	0.8	64	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	0.094	0.106	-12.8	69	0.00
66	c	n-Nitrosodiphenylamine	0.704	0.679	3.6	64	0.00
67		4-Bromophenyl-phenylether	0.238	0.233	2.1	65	0.00
68		Hexachlorobenzene	0.249	0.236	5.2	62	0.00
69		Atrazine	0.194	0.200	-3.1	64	0.00
70	C	Pentachlorophenol	0.147	0.155	-5.4	66	0.00
71		Phenanthrene	1.062	1.050	1.1	65	0.00
72		Anthracene	1.083	1.076	0.6	66	0.00
73		Carbazole	0.946	0.952	-0.6	65	0.00
74		Di-n-butylphthalate	1.070	1.108	-3.6	65	0.00
75	C	Fluoranthene	0.975	1.020	-4.6	68	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	76	0.00
77		Benzidine	0.771	0.767	0.5	61	0.00
78		Pyrene	1.707	1.544	9.5	68	0.00
79	S	Terphenyl-d14	1.344	1.184	11.9	69	0.00
80		Butylbenzylphthalate	0.523	0.607	-16.1	85	0.00
81		Benzo(a)anthracene	1.339	1.284	4.1	76	0.00
82		3,3'-Dichlorobenzidine	0.446	0.475	-6.5	84	0.00
83		Chrysene	1.204	1.210	-0.5	76	0.00
84		Bis(2-ethylhexyl)phthalate	0.791	0.875	-10.6	84	0.00
85	c	Di-n-octyl phthalate	1.434	1.575	-9.8	86	0.00
86	I	Perylene-d12	1.000	1.000	0.0	79	0.01
87		Indeno(1,2,3-cd)pyrene	1.410	1.321	6.3	74	0.01
88		Benzo(b)fluoranthene	1.222	1.221	0.1	84	0.00
89		Benzo(k)fluoranthene	1.090	1.049	3.8	73	0.01
90	C	Benzo(a)pyrene	1.126	1.119	0.6	79	0.00
91		Dibenzo(a,h)anthracene	1.148	1.070	6.8	74	0.01
92		Benzo(g,h,i)perylene	1.110	1.026	7.6	73	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	66	0.00
2		1,4-Dioxane	40.000	38.305	4.2	63	-0.02
3		Pyridine	40.000	38.307	4.2	65	0.00
4		n-Nitrosodimethylamine	40.000	38.581	3.5	63	-0.02
5	S	2-Fluorophenol	80.000	77.753	2.8	66	0.00
6		Aniline	40.000	38.416	4.0	64	0.00
7	S	Phenol-d6	80.000	77.413	3.2	66	0.00
8		2-Chlorophenol	40.000	39.143	2.1	66	0.00
9		Benzaldehyde	40.000	37.310	6.7	51	0.00
10	C	Phenol	40.000	41.254	-3.1	69	0.00
11		bis(2-Chloroethyl)ether	40.000	38.553	3.6	65	0.00
12		1,3-Dichlorobenzene	40.000	39.411	1.5	67	0.00
13	C	1,4-Dichlorobenzene	40.000	39.163	2.1	66	0.00
14		1,2-Dichlorobenzene	40.000	39.385	1.5	67	0.00
15		Benzyl Alcohol	40.000	39.223	1.9	65	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.713	0.7	67	0.00
17		2-Methylphenol	40.000	39.321	1.7	66	0.00
18		Hexachloroethane	40.000	40.297	-0.7	68	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.224	6.9	64	0.00
20		3+4-Methylphenols	40.000	40.254	-0.6	67	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	66	0.00
22		Acetophenone	40.000	38.442	3.9	66	0.00
23	S	Nitrobenzene-d5	80.000	80.559	-0.7	67	0.00
24		Nitrobenzene	40.000	39.866	0.3	65	0.00
25		Isophorone	40.000	37.763	5.6	64	0.00
26	C	2-Nitrophenol	40.000	44.078	-10.2	69	0.00
27		2,4-Dimethylphenol	40.000	38.679	3.3	65	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.868	2.8	66	0.00
29	C	2,4-Dichlorophenol	40.000	39.425	1.4	66	0.00
30		1,2,4-Trichlorobenzene	40.000	39.329	1.7	66	0.00
31		Naphthalene	40.000	39.398	1.5	67	0.00
32		Benzoic acid	40.000	43.041	-7.6	72	-0.01
33		4-Chloroaniline	40.000	38.830	2.9	66	0.00
34	C	Hexachlorobutadiene	40.000	39.691	0.8	67	0.00
35		Caprolactam	40.000	39.340	1.6	63	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.680	3.3	64	0.00
37		2-Methylnaphthalene	40.000	39.453	1.4	67	0.00
38		1-Methylnaphthalene	40.000	39.373	1.6	67	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	64	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.183	-0.5	67	0.00
41	P	Hexachlorocyclopentadiene	40.000	41.178	-2.9	66	0.00
42	S	2,4,6-Tribromophenol	80.000	82.786	-3.5	65	0.00
43	C	2,4,6-Trichlorophenol	40.000	39.058	2.4	65	0.00
44		2,4,5-Trichlorophenol	40.000	41.595	-4.0	65	0.00
45	S	2-Fluorobiphenyl	80.000	79.290	0.9	68	0.00
46		1,1'-Biphenyl	40.000	39.935	0.2	66	0.00
47		2-Chloronaphthalene	40.000	39.583	1.0	66	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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	42.683	-6.7	65	0.00
49		Acenaphthylene	40.000	39.572	1.1	65	0.00
50		Dimethylphthalate	40.000	39.316	1.7	64	0.00
51		2,6-Dinitrotoluene	40.000	41.575	-3.9	63	0.00
52	C	Acenaphthene	40.000	40.485	-1.2	67	0.00
53		3-Nitroaniline	40.000	41.415	-3.5	64	0.00
54	P	2,4-Dinitrophenol	40.000	45.117	-12.8	77	0.00
55		Dibenzofuran	40.000	39.249	1.9	65	0.00
56	P	4-Nitrophenol	40.000	42.968	-7.4	64	0.00
57		2,4-Dinitrotoluene	40.000	43.407	-8.5	65	0.00
58		Fluorene	40.000	39.388	1.5	66	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	40.644	-1.6	64	0.00
60		Diethylphthalate	40.000	39.184	2.0	63	0.00
61		4-Chlorophenyl-phenylether	40.000	40.079	-0.2	66	0.00
62		4-Nitroaniline	40.000	42.379	-5.9	64	0.00
63		Azobenzene	40.000	39.680	0.8	64	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	63	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.312	-3.3	69	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.553	3.6	64	0.00
67		4-Bromophenyl-phenylether	40.000	39.049	2.4	65	0.00
68		Hexachlorobenzene	40.000	37.891	5.3	62	0.00
69		Atrazine	40.000	41.112	-2.8	64	0.00
70	C	Pentachlorophenol	40.000	42.253	-5.6	66	0.00
71		Phenanthrene	40.000	39.552	1.1	65	0.00
72		Anthracene	40.000	39.733	0.7	66	0.00
73		Carbazole	40.000	40.280	-0.7	65	0.00
74		Di-n-butylphthalate	40.000	41.427	-3.6	65	0.00
75	C	Fluoranthene	40.000	41.844	-4.6	68	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	76	0.00
77		Benzidine	40.000	39.813	0.5	61	0.00
78		Pyrene	40.000	36.176	9.6	68	0.00
79	S	Terphenyl-d14	80.000	70.493	11.9	69	0.00
80		Butylbenzylphthalate	40.000	46.491	-16.2	85	0.00
81		Benzo(a)anthracene	40.000	38.346	4.1	76	0.00
82		3,3'-Dichlorobenzidine	40.000	42.575	-6.4	84	0.00
83		Chrysene	40.000	40.193	-0.5	76	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.258	-10.6	84	0.00
85	c	Di-n-octyl phthalate	40.000	43.945	-9.9	86	0.00
86	I	Perylene-d12	20.000	20.000	0.0	79	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	37.481	6.3	74	0.01
88		Benzo(b)fluoranthene	40.000	39.973	0.1	84	0.00
89		Benzo(k)fluoranthene	40.000	38.503	3.7	73	0.01
90	C	Benzo(a)pyrene	40.000	39.760	0.6	79	0.00
91		Dibenzo(a,h)anthracene	40.000	37.299	6.8	74	0.01
92		Benzo(g,h,i)perylene	40.000	36.968	7.6	73	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143187.D
Acq On : 22 Jul 2025 13:55
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jul 22 14:27:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 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

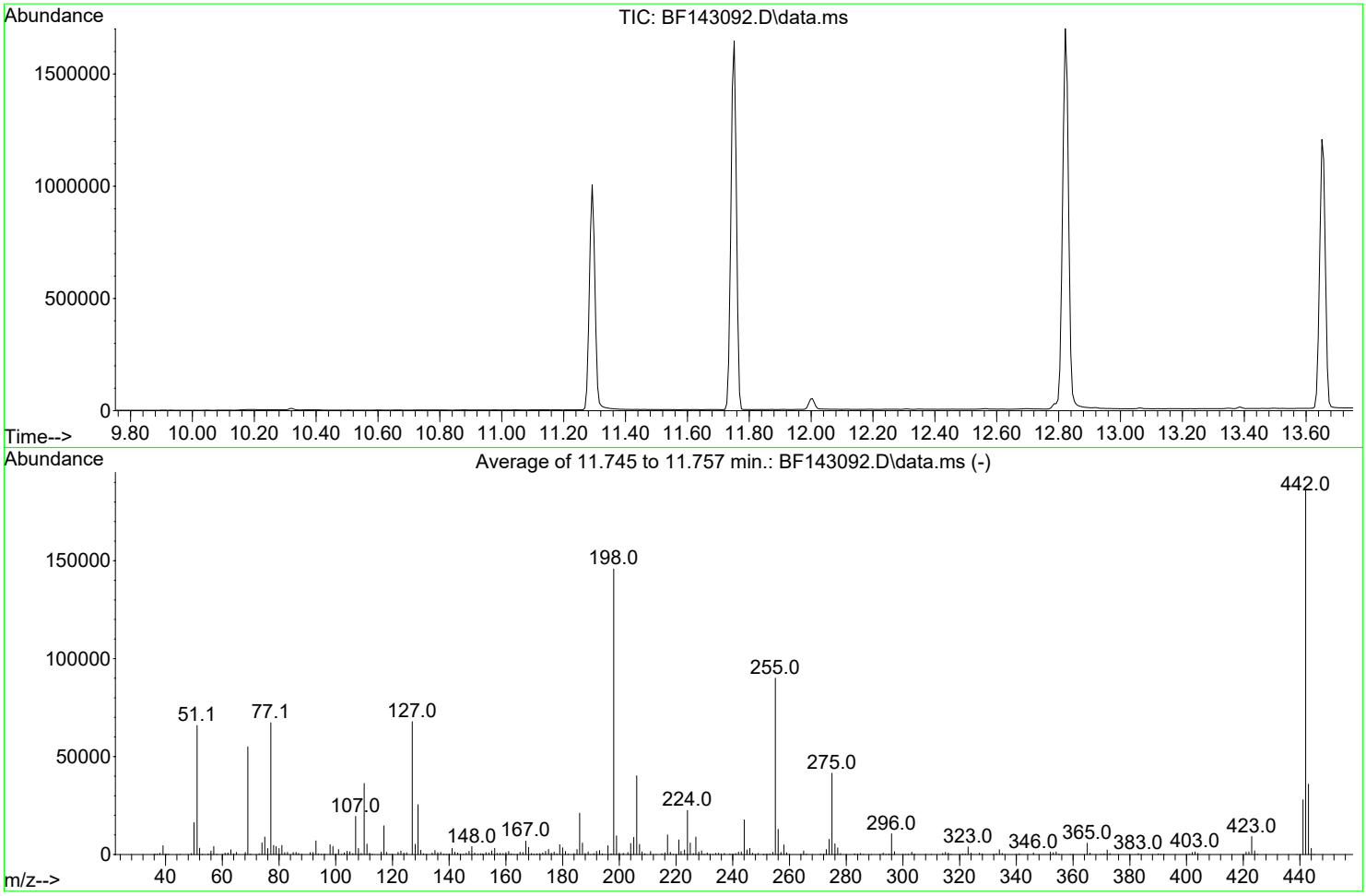
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



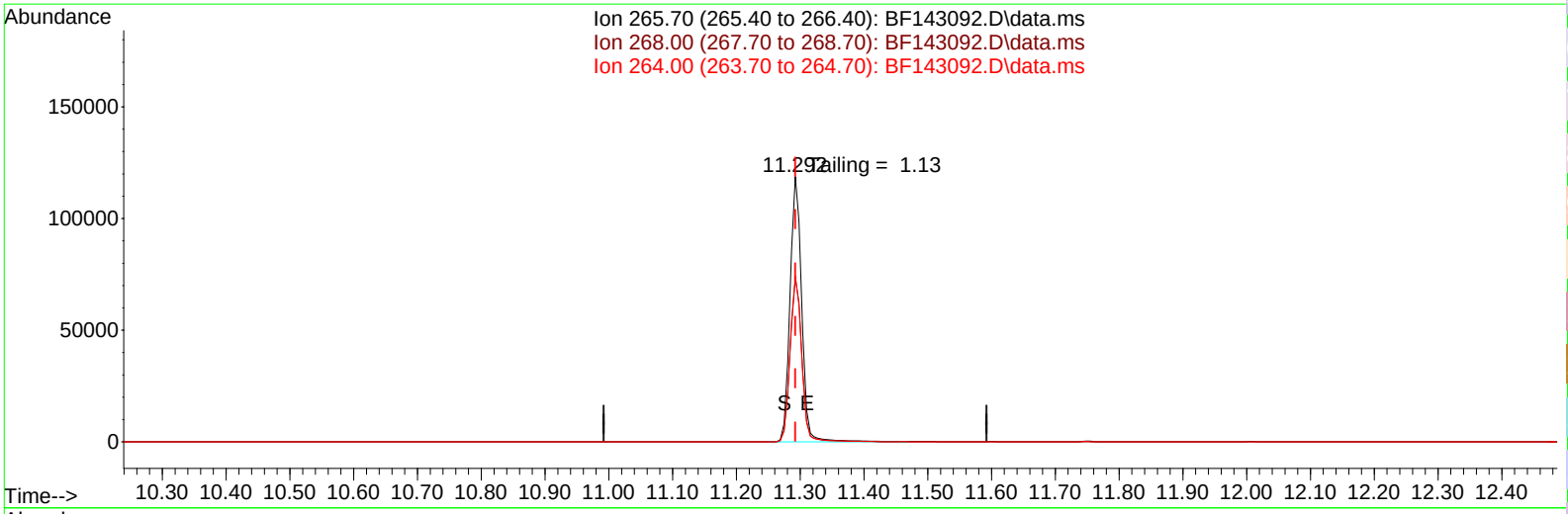
AutoFind: Scans 1624, 1625, 1626; Background Corrected with Scan 1617

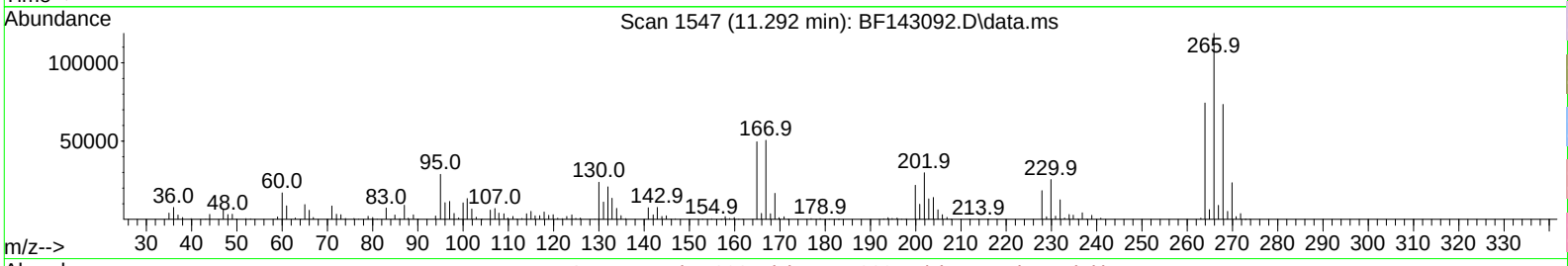
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	2.0	1083	PASS
69	69	100	100	100.0	55011	PASS
70	69	0.00	2	0.5	283	PASS
197	198	0.00	2	0.3	479	PASS
198	198	100	100	100.0	145821	PASS
199	198	5	9	6.5	9539	PASS
365	198	1	100	4.0	5805	PASS
441	443	0.01	150	77.7	27936	PASS
442	442	100	100	100.0	185813	PASS
443	442	15	24	19.4	35957	PASS

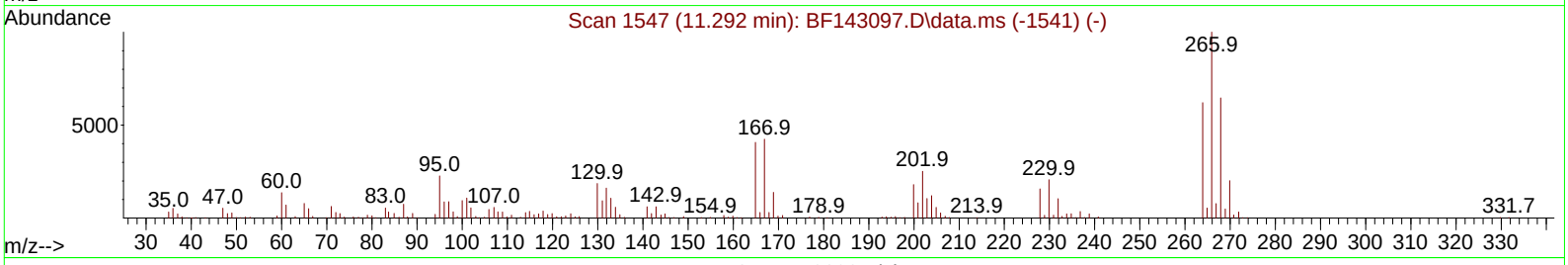
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143092.D\data.ms

(70) Pentachlorophenol (C)

11.292min (+ 0.000) 28198.82 ng

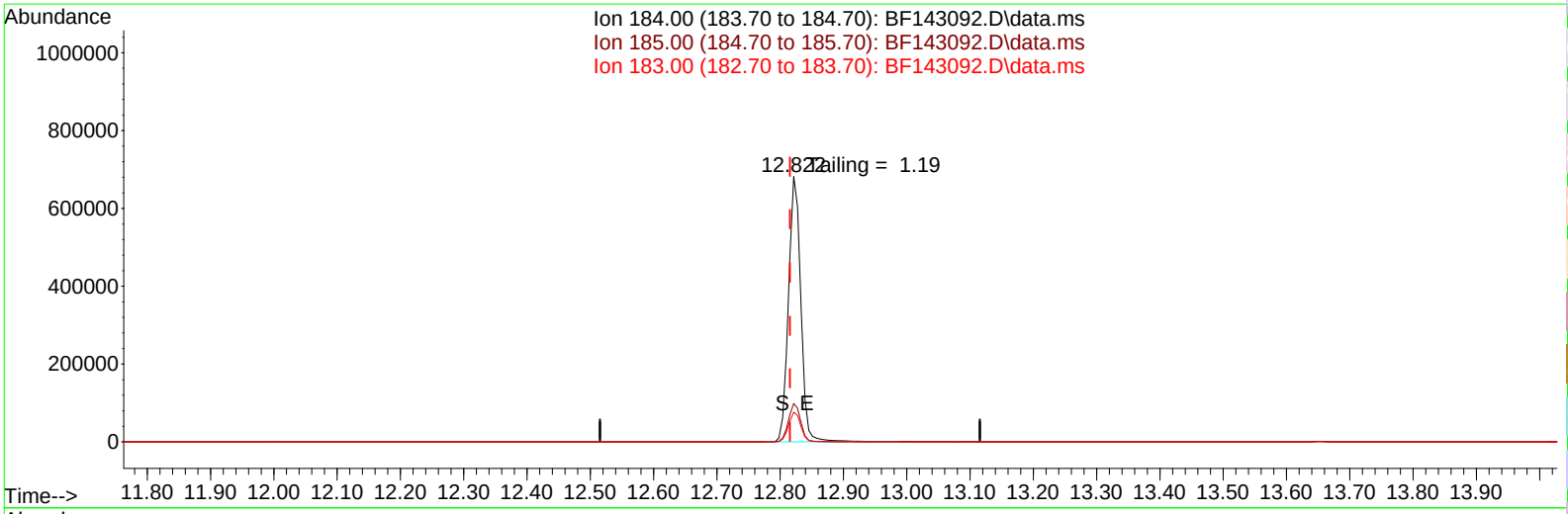
response 151956

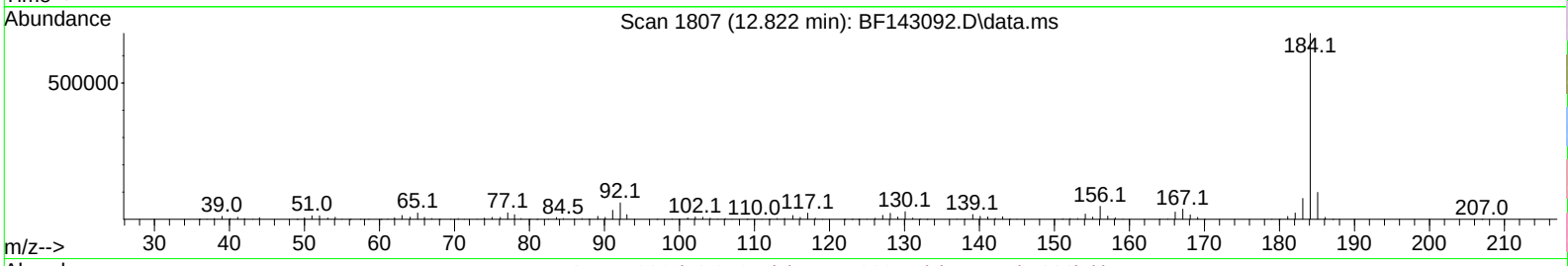
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	61.86
264.00	62.10	62.56
0.00	0.00	0.00

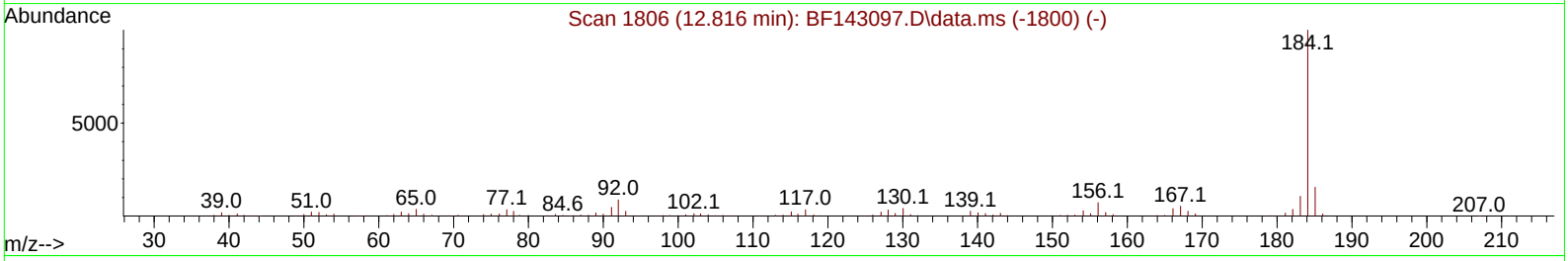
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143092.D
Acq On : 15 Jul 2025 12:35
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 15 18:02:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143092.D\data.ms

(77) Benzidine

12.822min (+ 0.006) 0.00 ng

response 925010

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	14.52
183.00	10.70	11.25
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

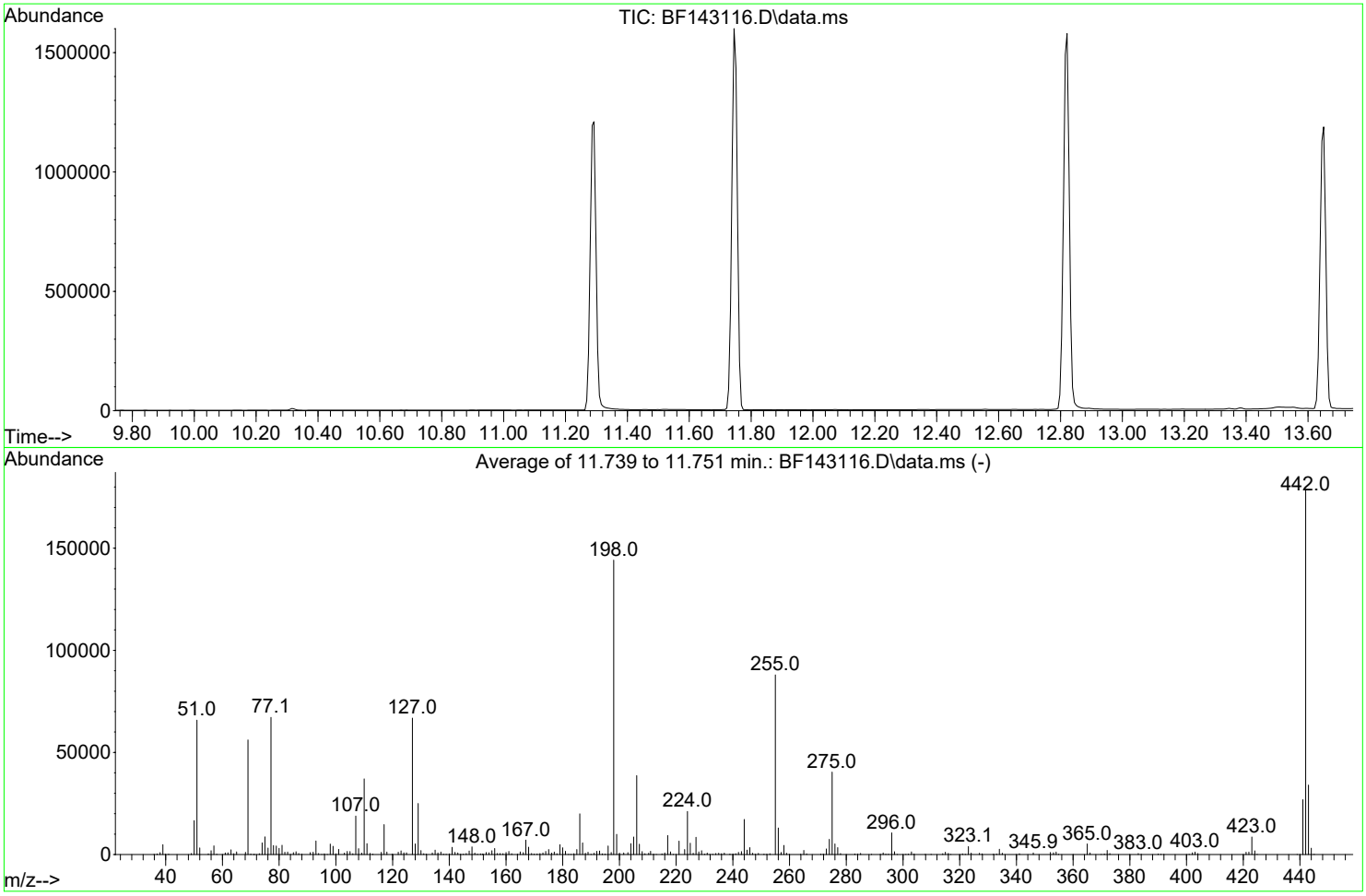
Date	Instrument Name	DFTPP Data File
7/15/2025	BNA_F	BF143092.D
Compound Name	**Response**	**Retention Time**
DDT	237029	13.651
DDD	2265	13.386
DDE	0	13.01
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2265	239294	0.95

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
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-BF071525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Tue Jul 15 17:53:25 2025



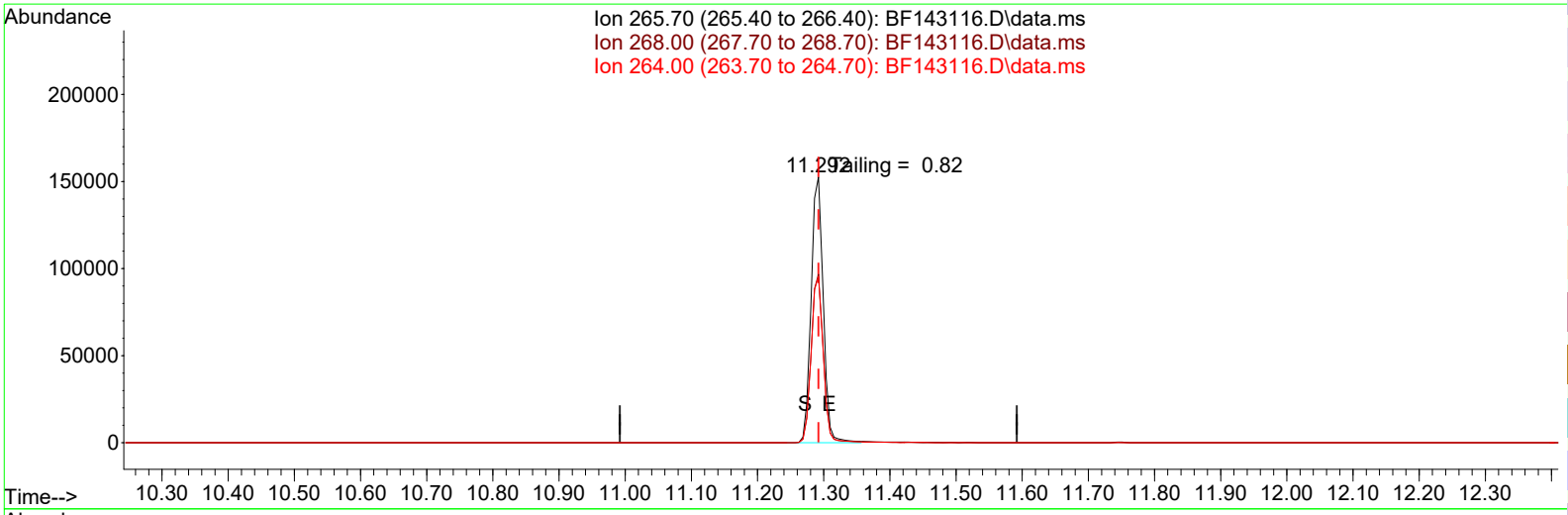
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1617

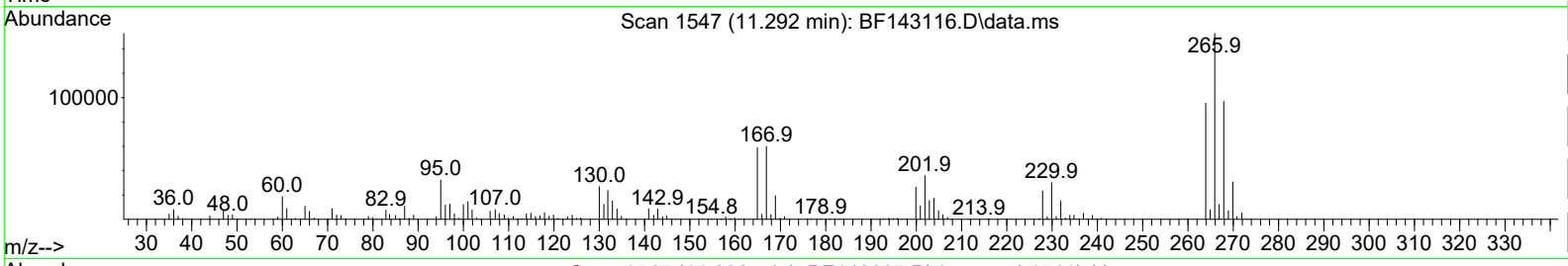
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1058	PASS
69	69	100	100	100.0	56128	PASS
70	69	0.00	2	0.6	318	PASS
197	198	0.00	2	0.7	1000	PASS
198	198	100	100	100.0	144192	PASS
199	198	5	9	6.8	9864	PASS
365	198	1	100	3.6	5196	PASS
441	443	0.01	150	79.1	26908	PASS
442	442	100	100	100.0	178251	PASS
443	442	15	24	19.1	34024	PASS

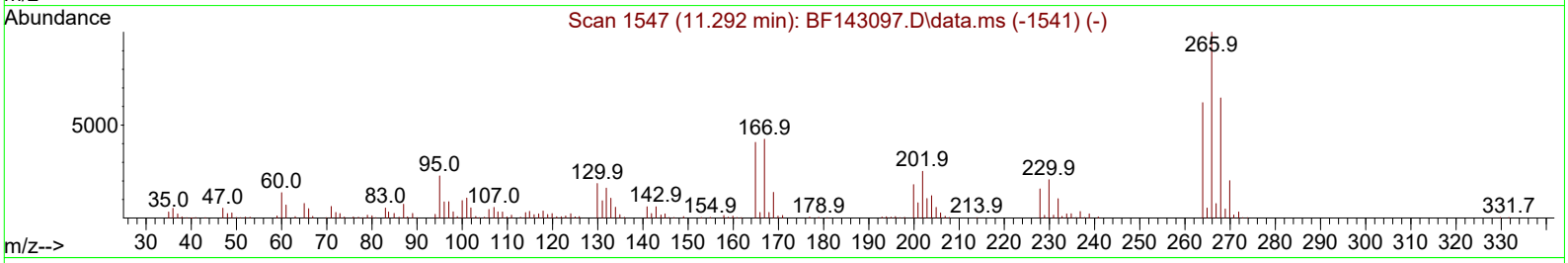
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143116.D\data.ms

(70) Pentachlorophenol (C)

11.292min (-0.000) 32920.43 ng

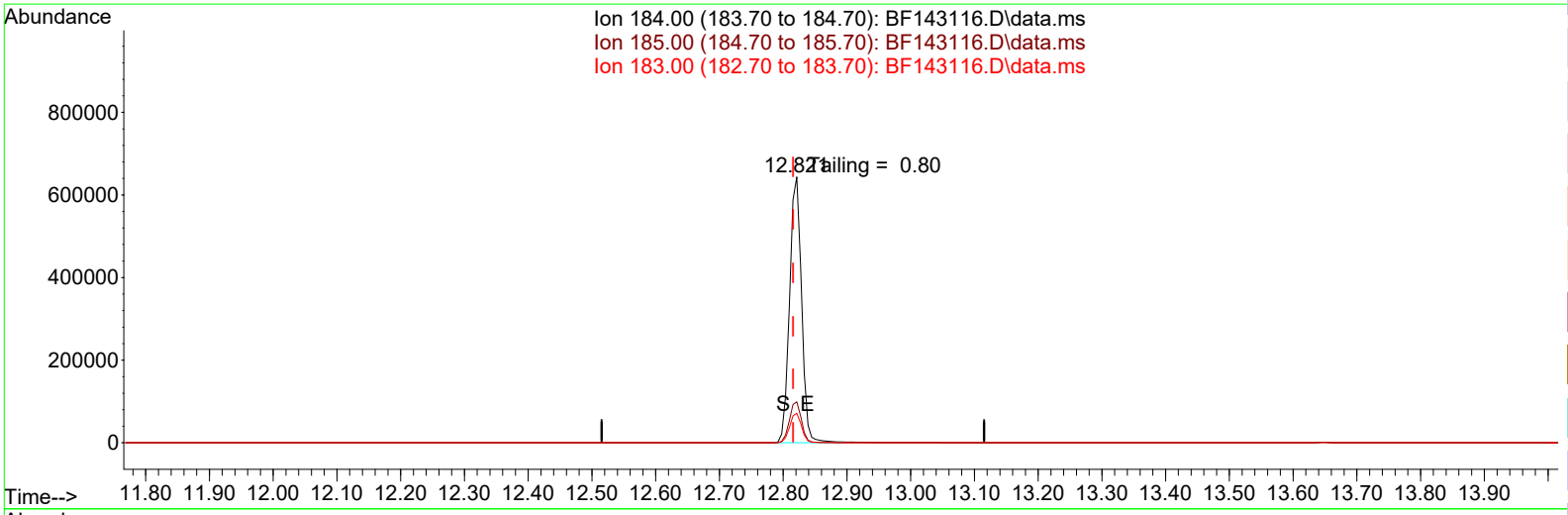
response 195924

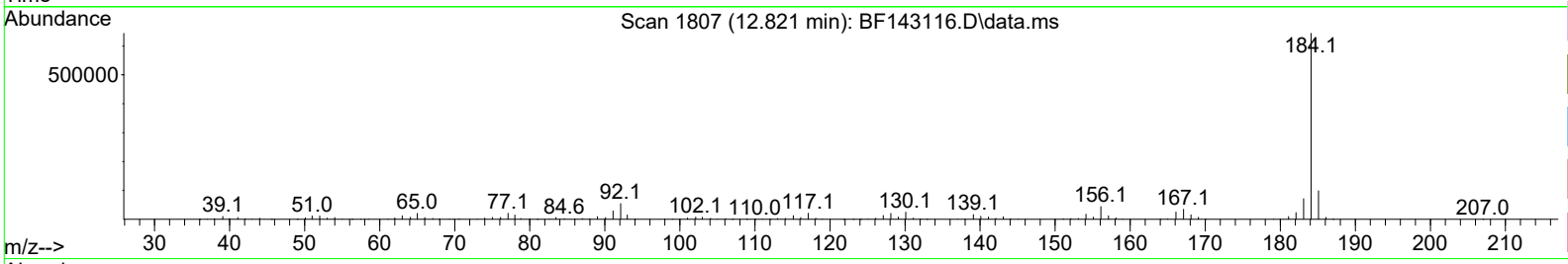
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.70	63.41
264.00	62.10	62.55
0.00	0.00	0.00

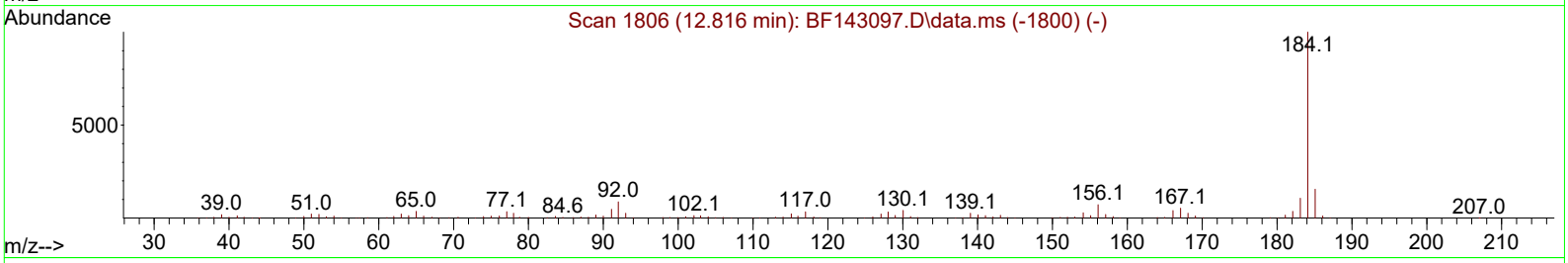
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143116.D
Acq On : 16 Jul 2025 19:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 03:11:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration







TIC: BF143116.D\data.ms

(77) Benzidine

12.821min (+ 0.006) 0.00 ng

response 848698

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.50	15.39
183.00	10.70	11.10
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

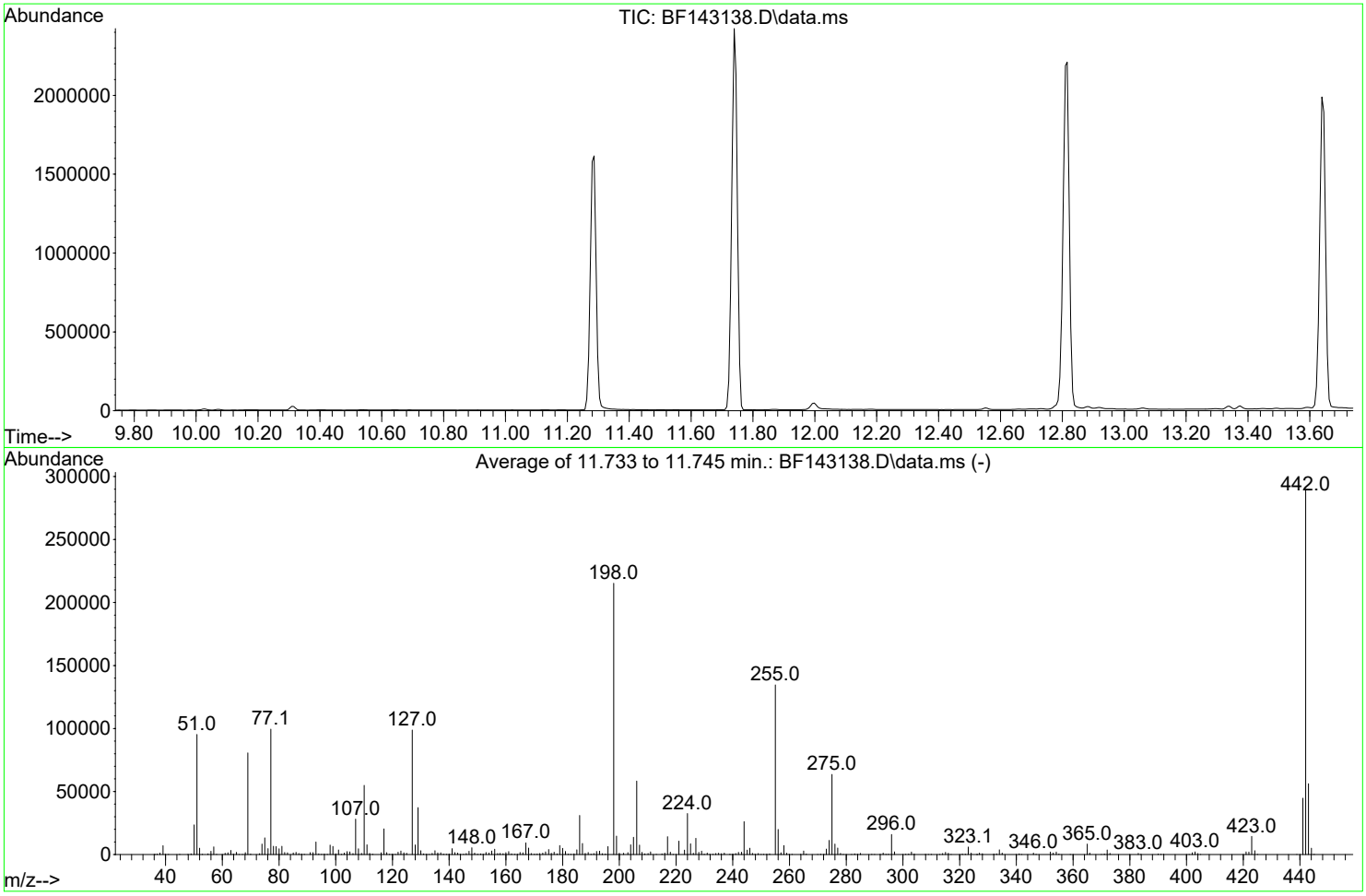
Date	Instrument Name	DFTPP Data File
7/16/2025	BNA_F	BF143116.D
Compound Name	**Response**	**Retention Time**
DDT	269374	13.651
DDD	2925	13.38
DDE	0	
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
2925	272299	1.07

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Jul 17 15:14:05 2025



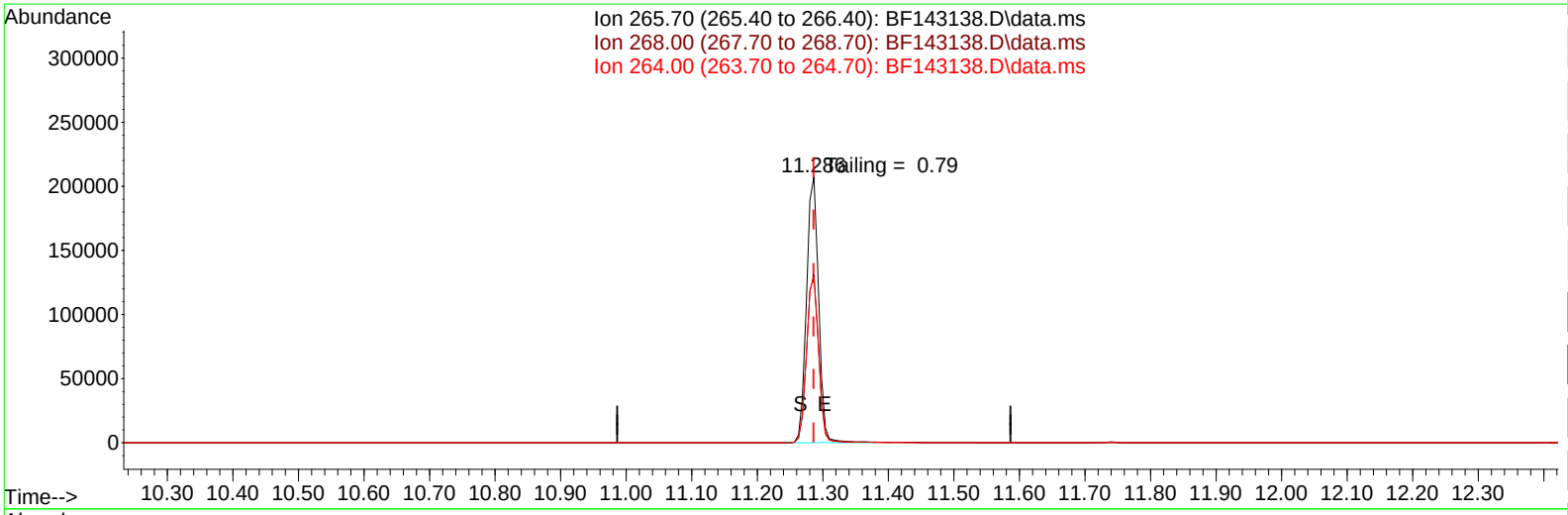
AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

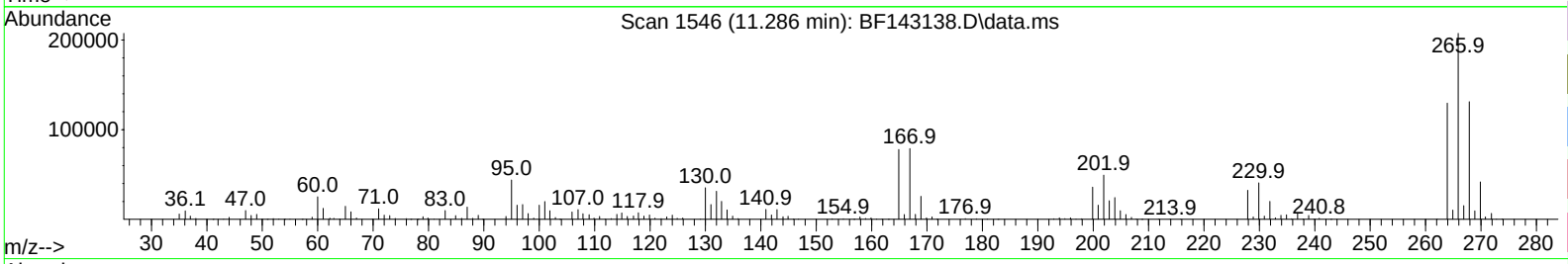
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1515	PASS
69	69	100	100	100.0	80680	PASS
70	69	0.00	2	0.5	430	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	215296	PASS
199	198	5	9	6.8	14617	PASS
365	198	1	100	3.8	8287	PASS
441	443	0.01	150	79.6	44723	PASS
442	442	100	100	100.0	288853	PASS
443	442	15	24	19.5	56203	PASS

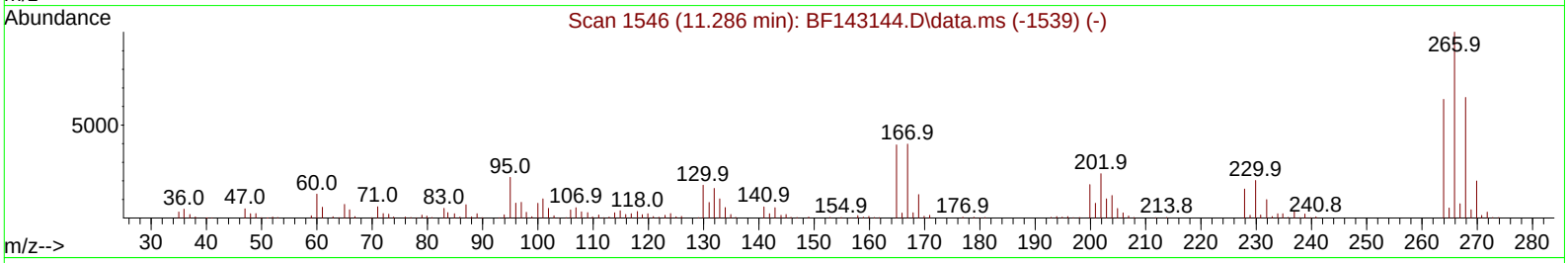
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration







TIC: BF143138.D\data.ms

(70) Pentachlorophenol (C)

11.286min (+ 0.000) 29509.64 ng

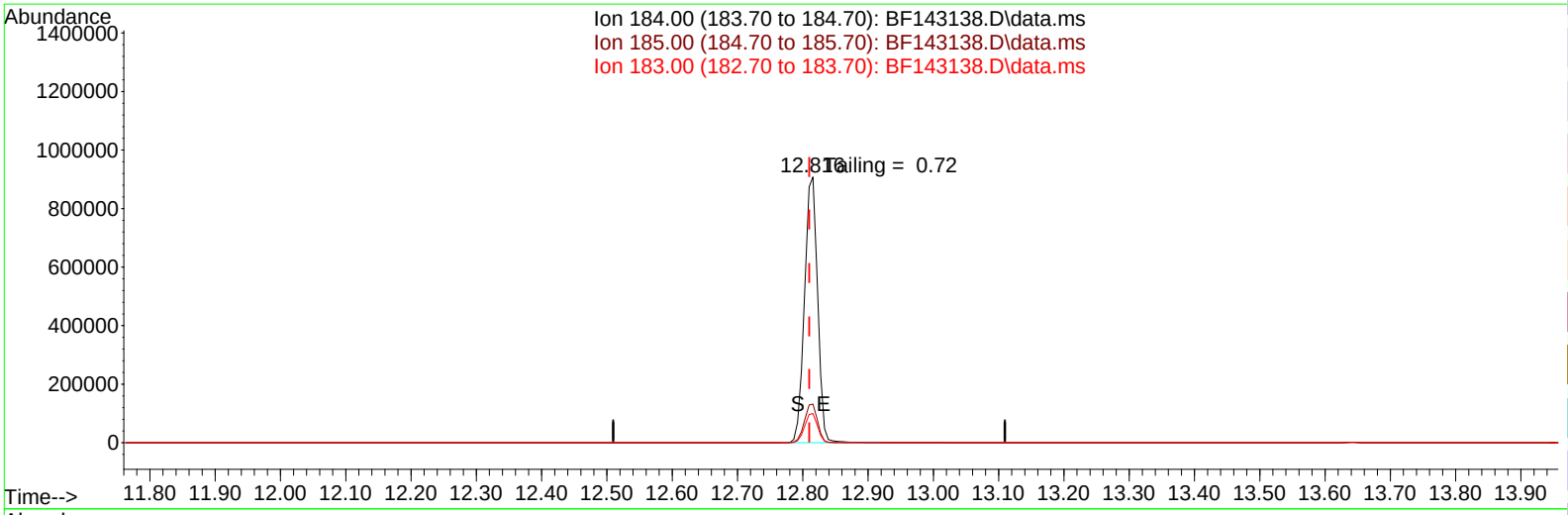
response 268044

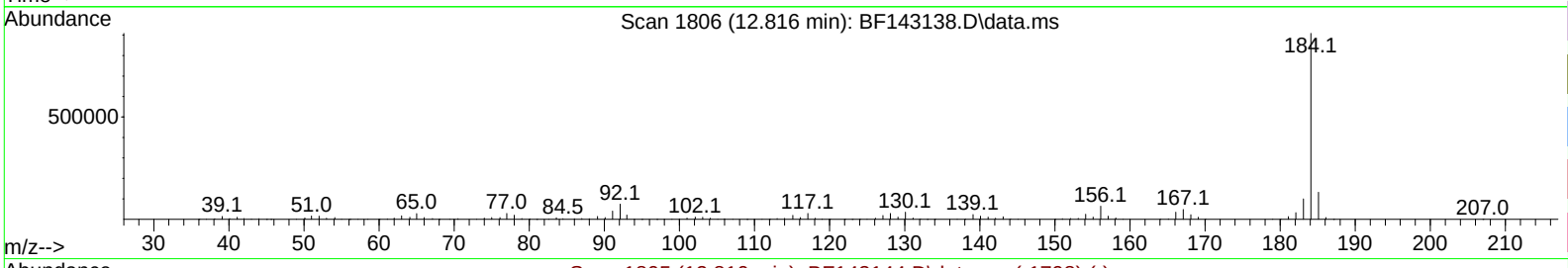
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.24
264.00	63.80	62.50
0.00	0.00	0.00

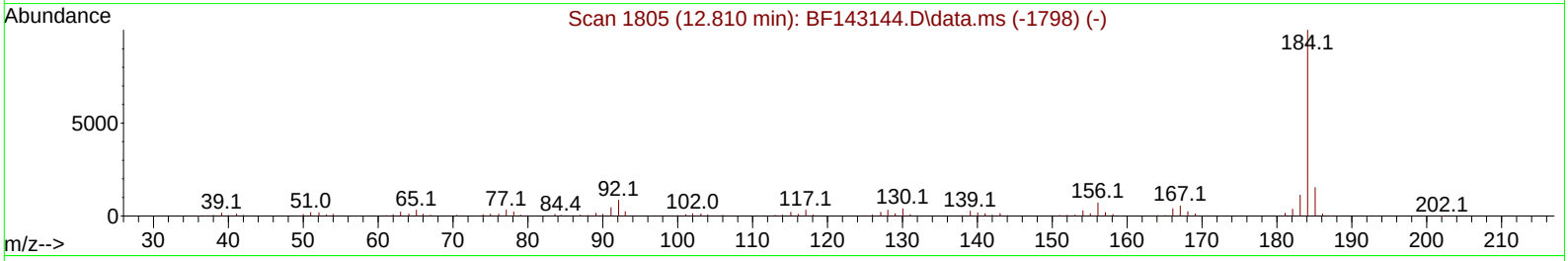
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 17 16:32:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration







TIC: BF143138.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 0.00 ng

response 1266864

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.57
183.00	11.20	10.98
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/17/2025	BNA_F	BF143138.D
Compound Name	**Response**	**Retention Time**
DDT	490244	13.639
DDD	9488	13.339
DDE	328	13.004
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9816	500060	1.96

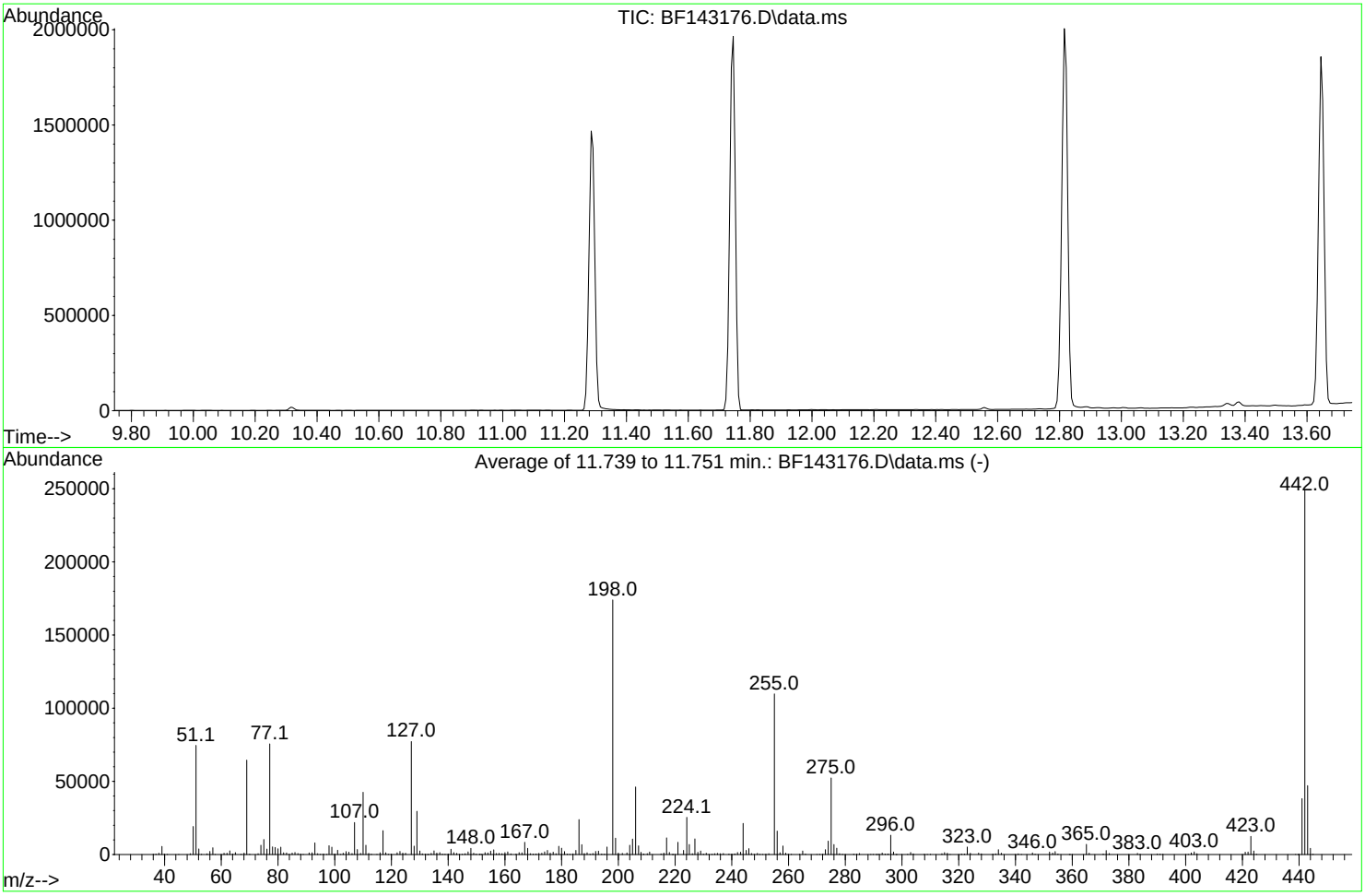
Sample Results: **BF143176.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
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\8270E-Tune.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Mar 23 16:55:25 2022



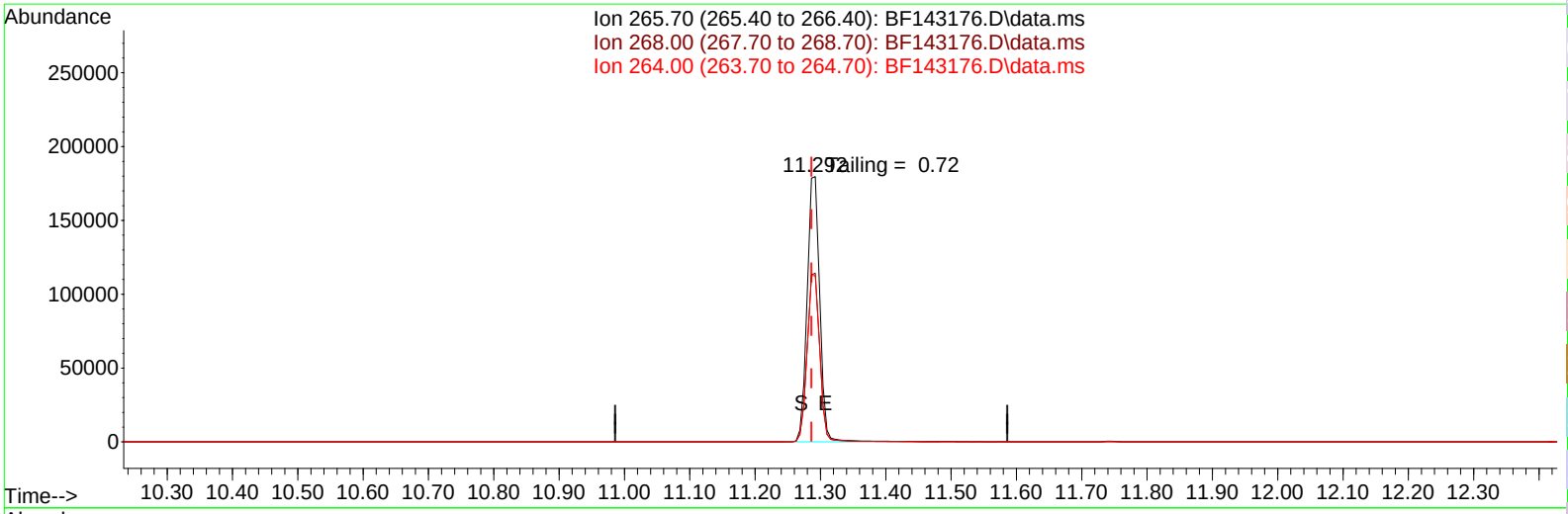
AutoFind: Scans 1623, 1624, 1625; Background Corrected with Scan 1616

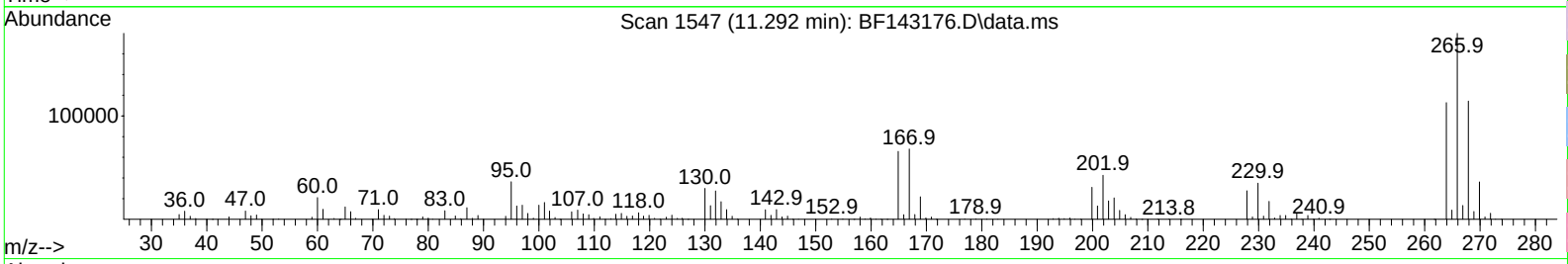
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.6	1012	PASS
69	69	100	100	100.0	64563	PASS
70	69	0.00	2	0.5	329	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	174029	PASS
199	198	5	9	6.4	11198	PASS
365	198	1	100	4.0	6980	PASS
441	443	0.01	150	81.1	38184	PASS
442	442	100	100	100.0	248789	PASS
443	442	15	24	18.9	47107	PASS

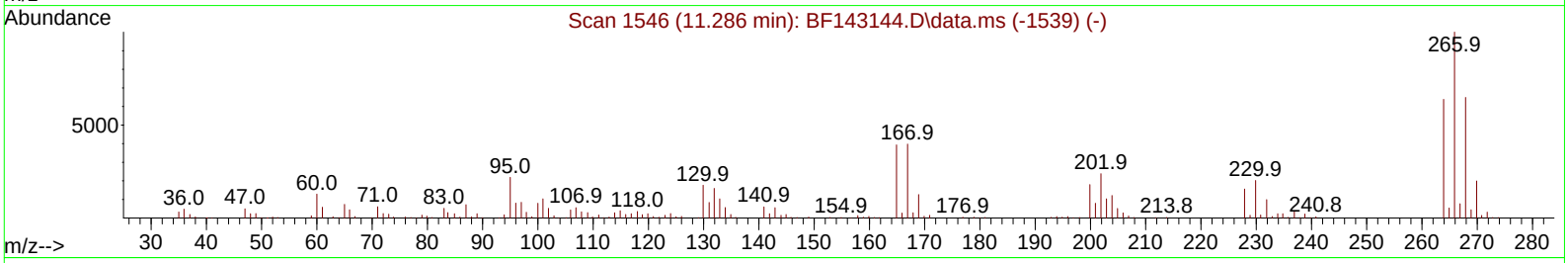
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 22 11:11:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration







TIC: BF143176.D\data.ms

(70) Pentachlorophenol (C)

11.292min (+ 0.006) 32381.96 ng

response 241949

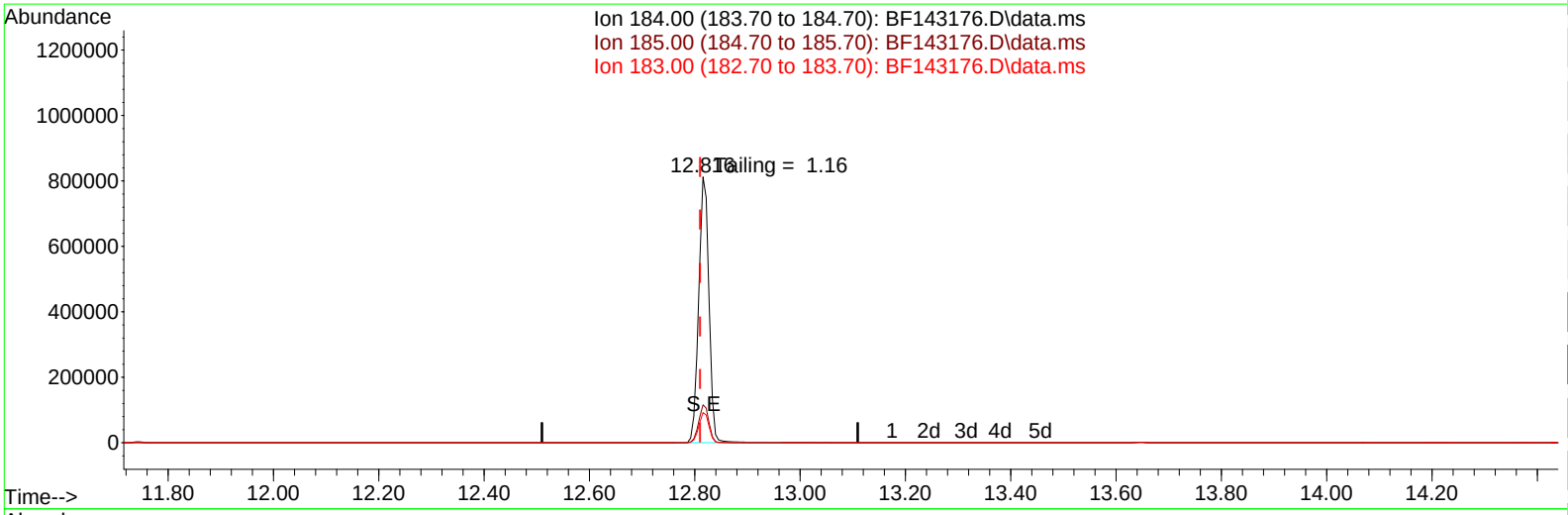
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.58
264.00	63.80	62.74
0.00	0.00	0.00

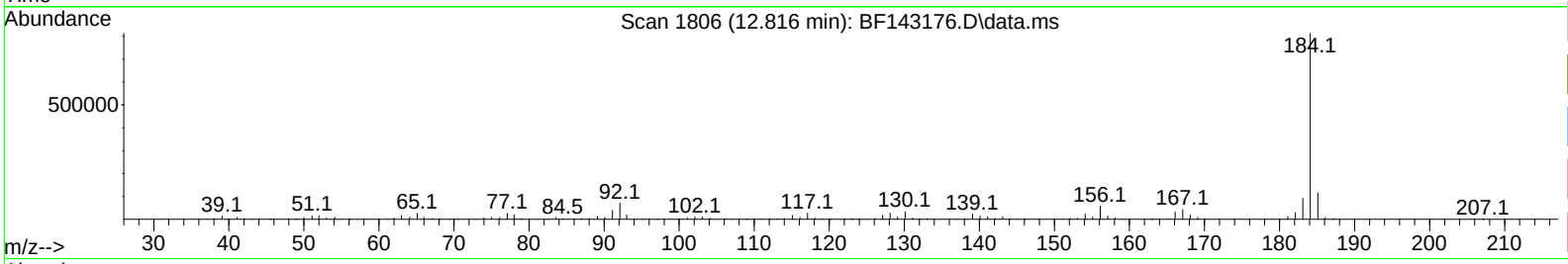
Sample Results: **BF143176.D**

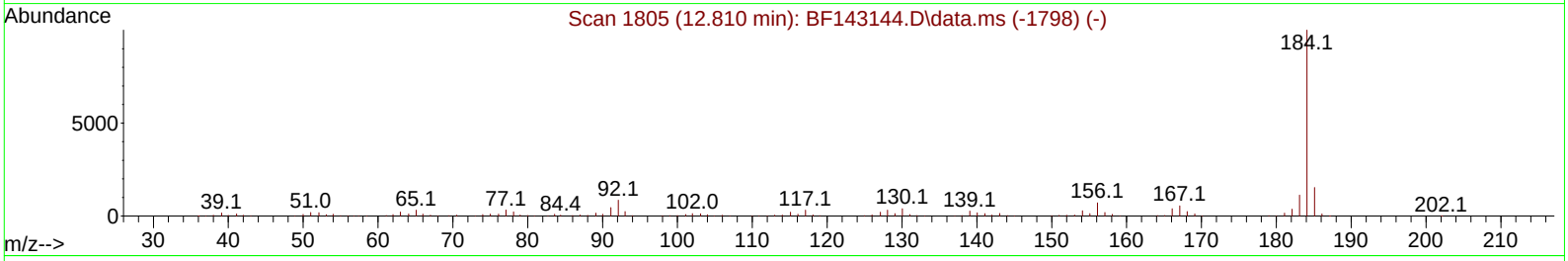
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143176.D
Acq On : 22 Jul 2025 07:48
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jul 22 11:11:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration







TIC: BF143176.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 514868.65 ng m

response 1110844

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.24
183.00	11.20	11.33
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
7/22/2025	BNA_F	BF143176.D
Compound Name	**Response**	**Retention Time**
DDT	445109	13.645
DDD	8683	13.38
DDE	869	13.01
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9552	454661	2.10

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168813BL			SDG No.:	Q2555
Lab Sample ID:	PB168813BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143149.D	1	07/11/25 09:50	07/17/25 15:36	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.13	U	0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	0.13	U	0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	0.13	U	0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	0.13	U	0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	0.13	U	0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	0.13	U	0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	0.13	U	0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	0.13	U	0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	0.13	U	0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	0.13	U	0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	0.13	U	0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.13	U	0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.13	U	0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	0.13	U	0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.13	U	0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.13	U	0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.13	U	0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	78.7		37 - 122		79%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.4		44 - 115		74%	SPK: 100
1718-51-0	Terphenyl-d14	81.9		54 - 127		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	147000	6.963				
1146-65-2	Naphthalene-d8	569000	8.239				
15067-26-2	Acenaphthene-d10	303000	9.998				
1517-22-2	Phenanthrene-d10	523000	11.48				
1719-03-5	Chrysene-d12	289000	14.115				
1520-96-3	Perylene-d12	290000	15.621				

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168813BL			SDG No.:	Q2555
Lab Sample ID:	PB168813BL			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.01	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143149.D	1	07/11/25 09:50	07/17/25 15:36	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Time: Jul 17 16:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

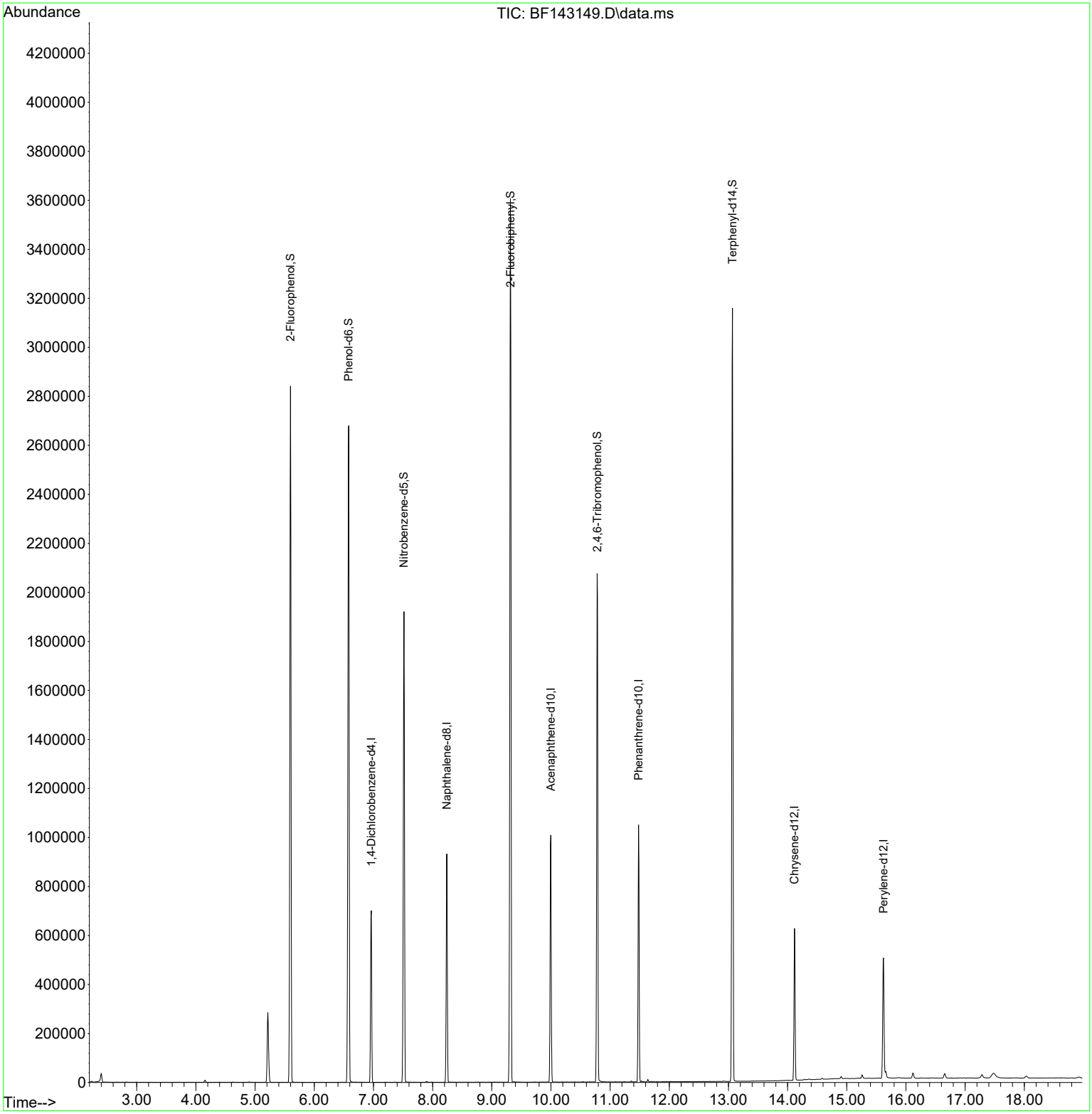
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	146767	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	569126	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	303459	20.000	ng	0.00
64) Phenanthrene-d10	11.480	188	522570	20.000	ng	0.00
76) Chrysene-d12	14.115	240	289033	20.000	ng	0.00
86) Perylene-d12	15.621	264	289854	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1070103	115.380	ng	0.01
7) Phenol-d6	6.581	99	1359950	116.496	ng	0.00
23) Nitrobenzene-d5	7.516	82	898609	78.705	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	382284	121.944	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1650294	74.375	ng	0.00
79) Terphenyl-d14	13.069	244	1591473	81.938	ng	0.00
Target Compounds						Qvalue

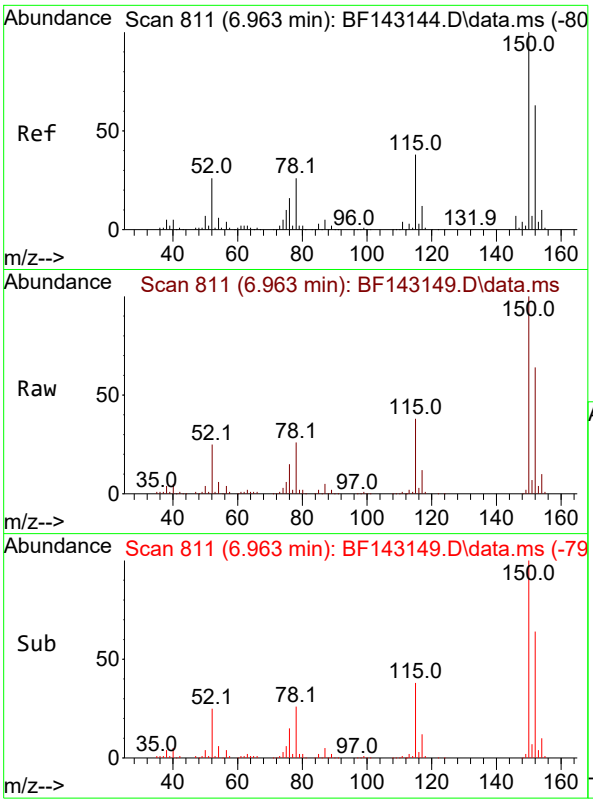
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Time: Jul 17 16:25:39 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



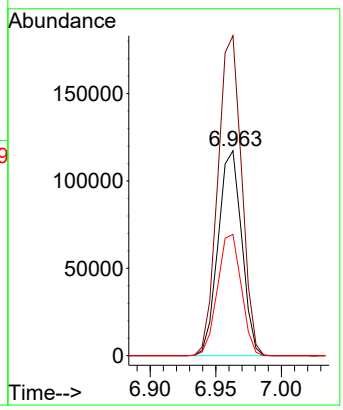


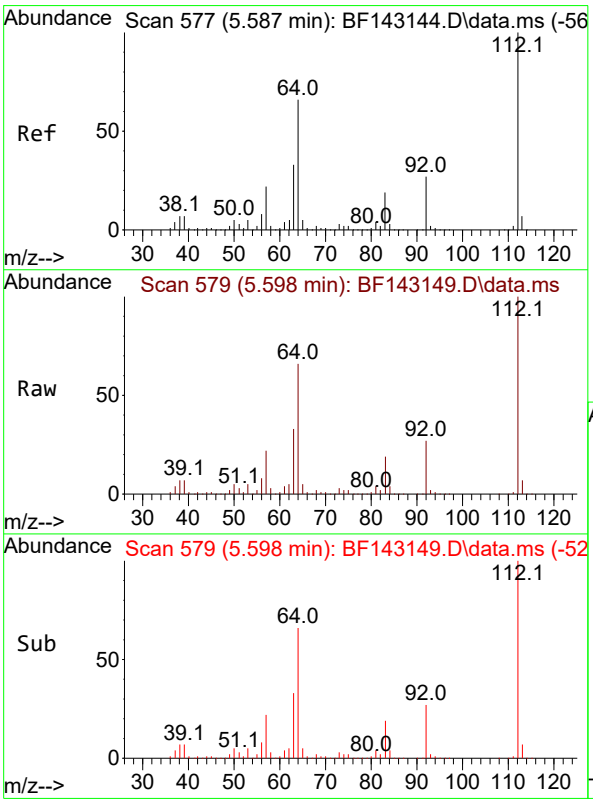
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Tgt Ion:152 Resp: 146767

Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.2	192.4
115	59.2	47.9	71.9

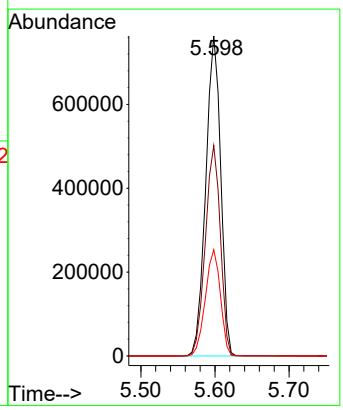


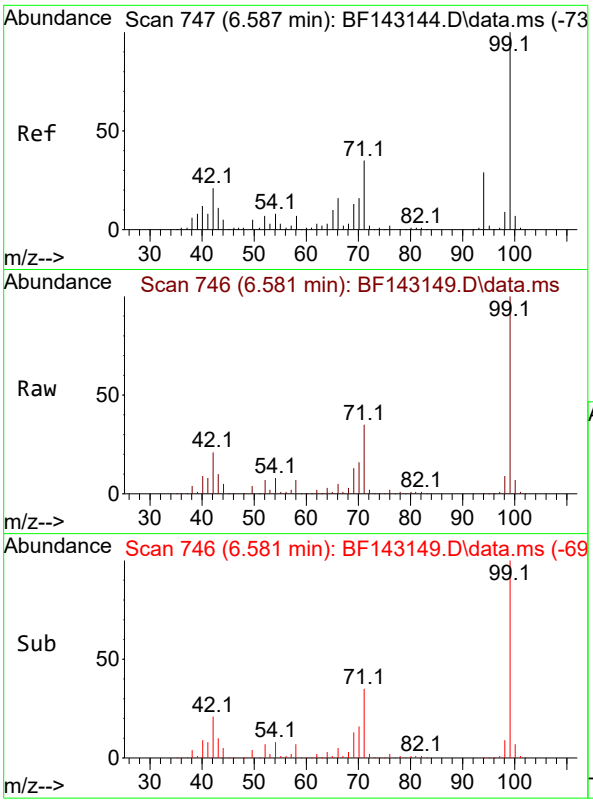


#5
2-Fluorophenol
Concen: 115.380 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion:112 Resp: 1070103

Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.1	79.7
63	33.2	26.6	40.0



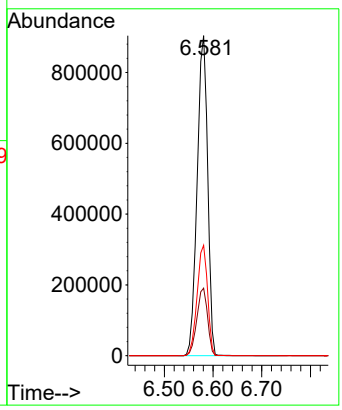


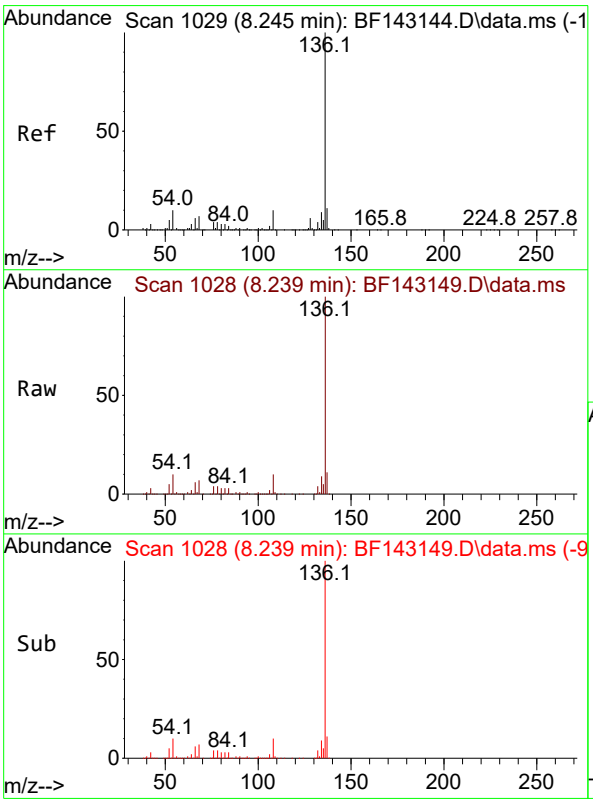
#7
Phenol-d6
Concen: 116.496 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Tgt Ion: 99 Resp: 1359950

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.5	27.7	41.5

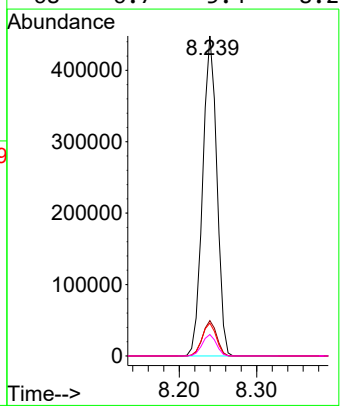


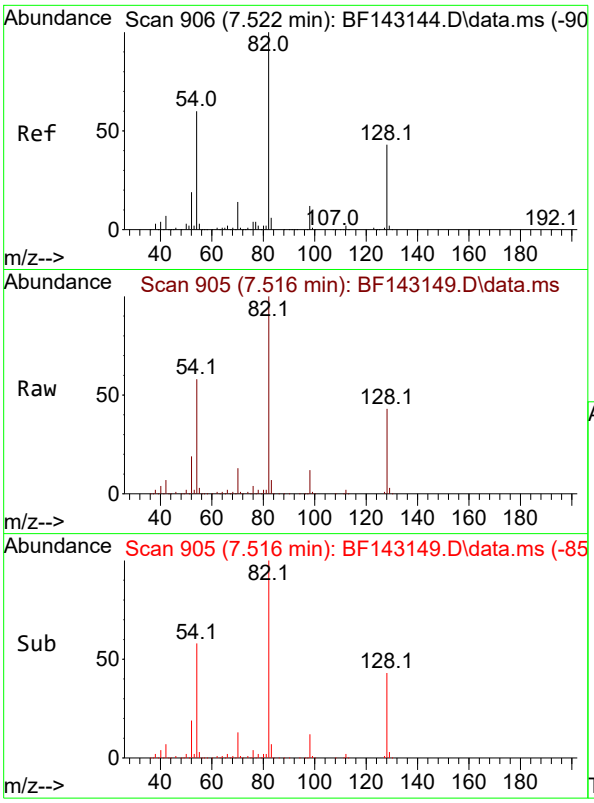


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion:136 Resp: 569126

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.3	8.2	12.2
68	6.7	5.4	8.2



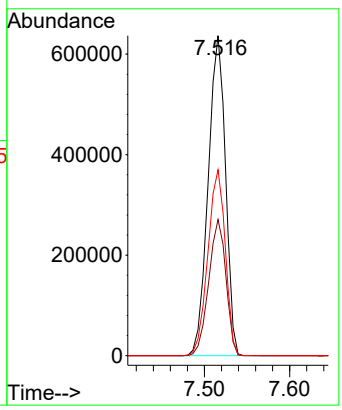


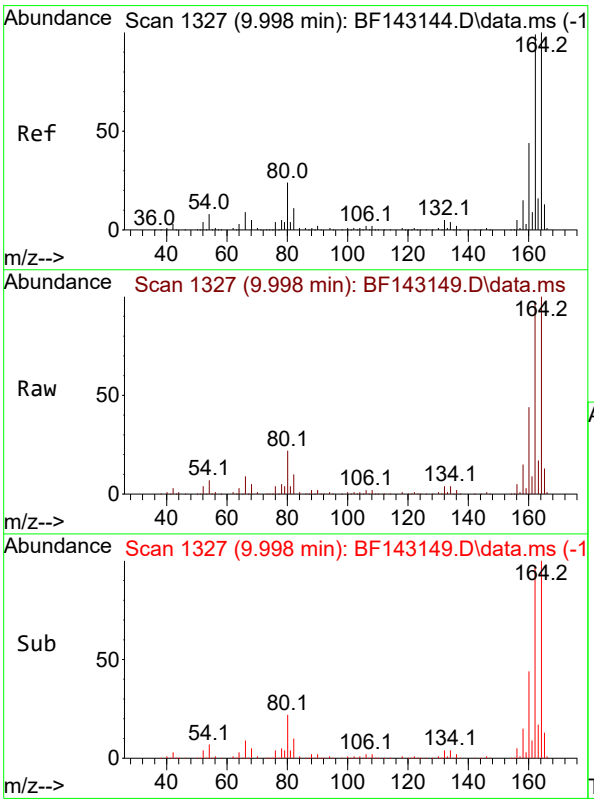
#23
Nitrobenzene-d5
Concen: 78.705 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Tgt Ion: 82 Resp: 898609

Ion	Ratio	Lower	Upper
82	100		
128	42.6	33.6	50.4
54	58.1	47.1	70.7

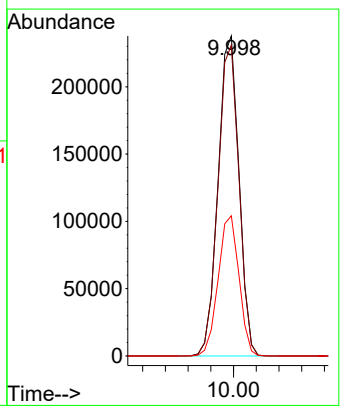


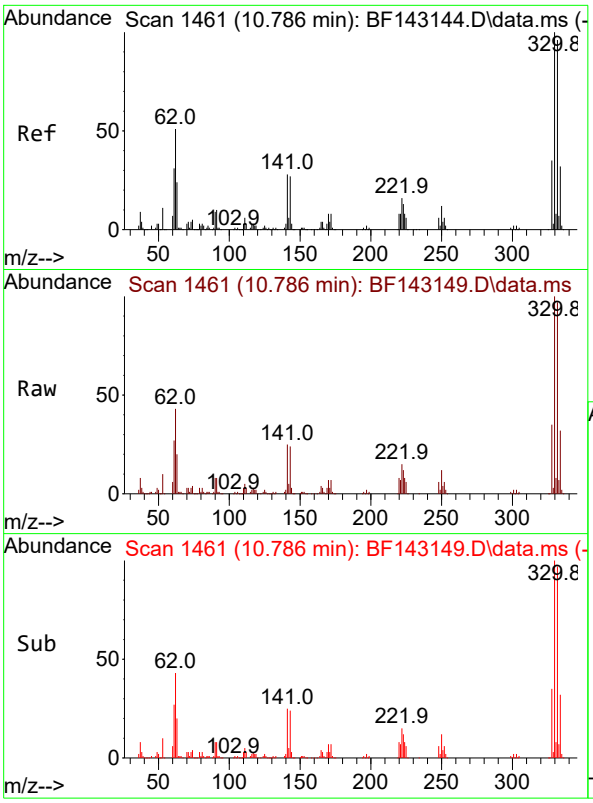


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion:164 Resp: 303459

Ion	Ratio	Lower	Upper
164	100		
162	97.1	79.0	118.6
160	43.8	35.1	52.7



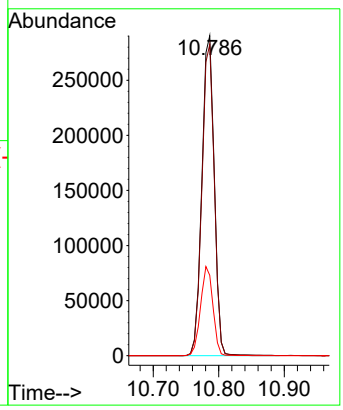


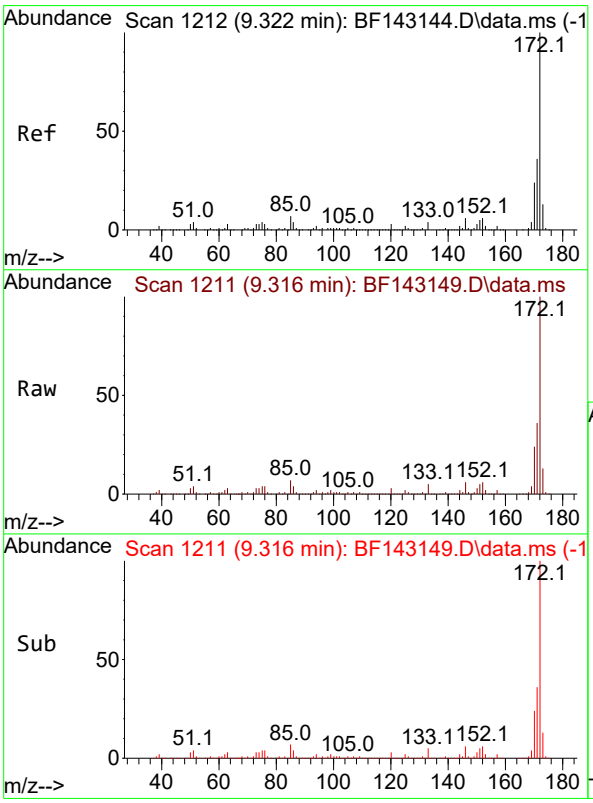
#42
2,4,6-Tribromophenol
Concen: 121.944 ng
RT: 10.786 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Tgt Ion:330 Resp: 382284

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.7	115.1
141	27.8	23.3	34.9

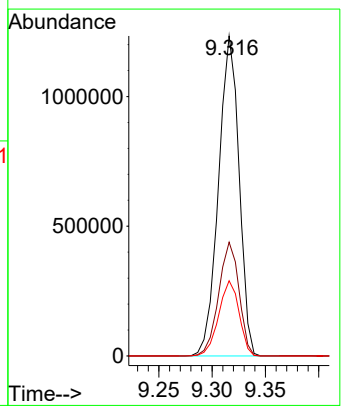


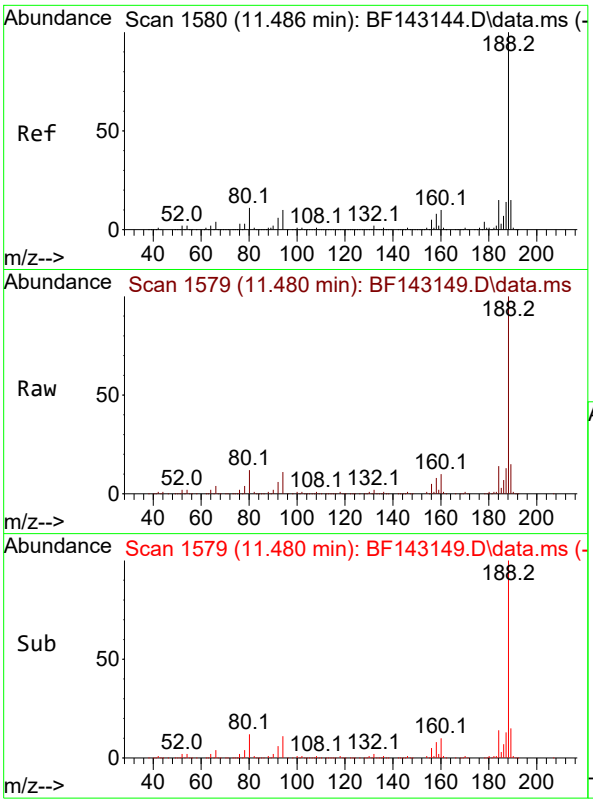


#45
2-Fluorobiphenyl
Concen: 74.375 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion:172 Resp: 1650294

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.5	18.8	28.2



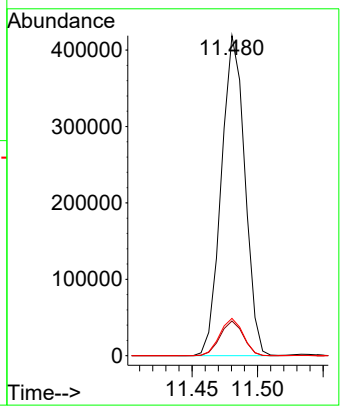


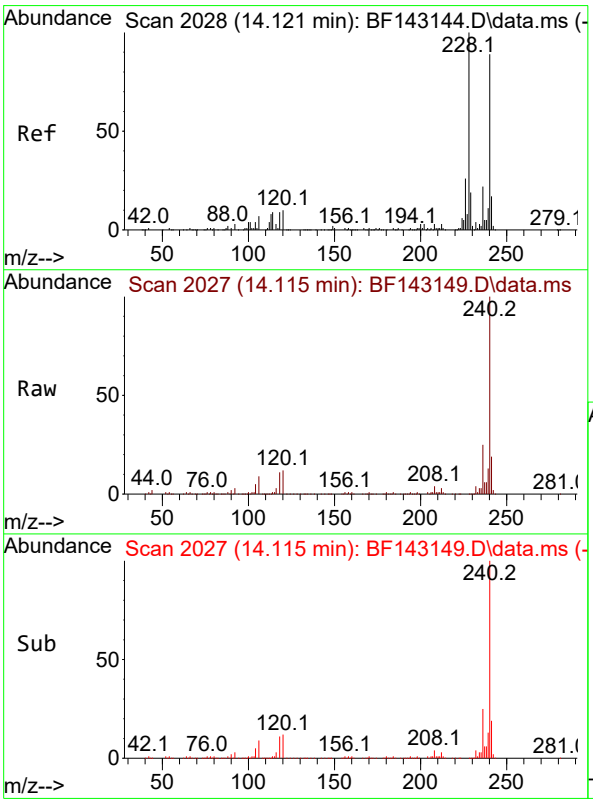
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Tgt Ion:188 Resp: 522570

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.7	9.0	13.6

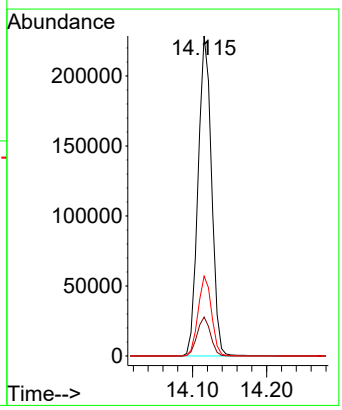


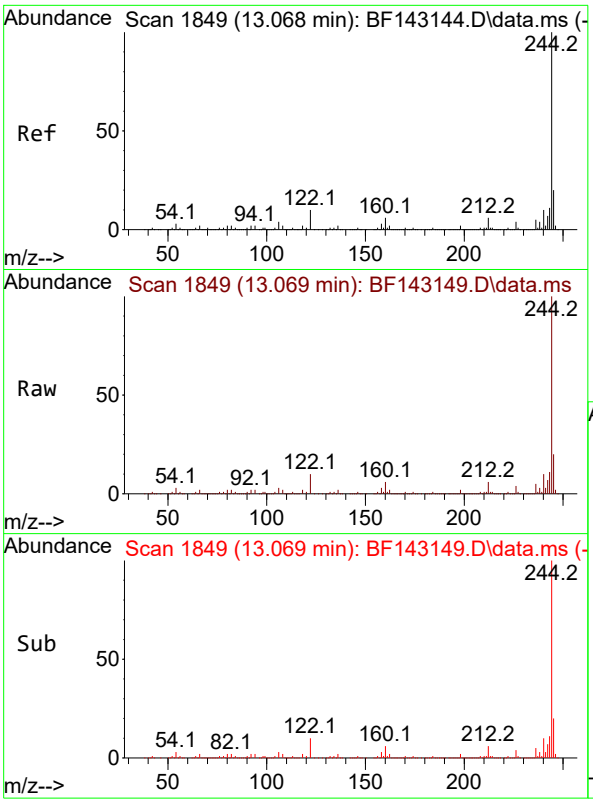


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.115 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion:240 Resp: 289033

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.4	14.2
236	25.0	20.2	30.4



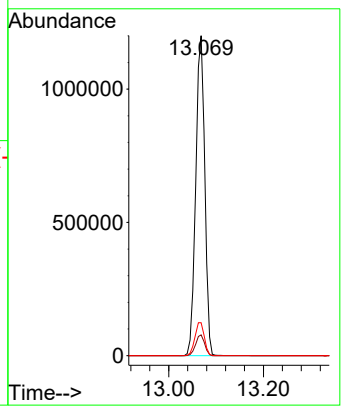


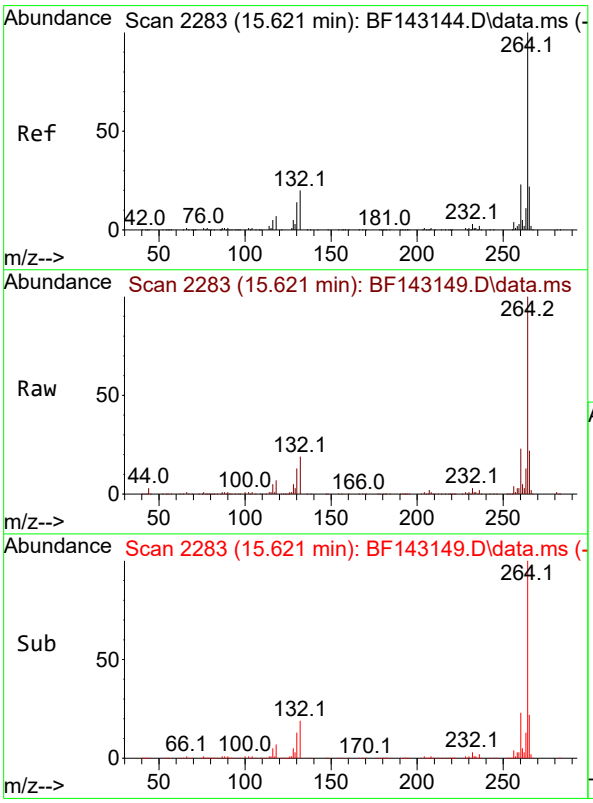
#79
Terphenyl-d14
Concen: 81.938 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Tgt Ion:244 Resp: 1591473

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.3	8.2	12.2

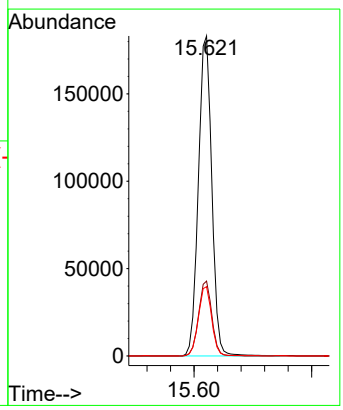




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143149.D
Acq: 17 Jul 2025 15:36

Tgt Ion:264 Resp: 289854

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.6	17.4	26.2



Sample Results: **BF143149.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

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-BF071725.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF143149.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.399	23	35	43	rVB	34960	67762	1.41%	0.231%
2	5.216	507	514	523	rBV	285749	450759	9.37%	1.538%
3	5.598	572	579	584	rBV	2841440	3992891	83.01%	13.621%
4	6.581	738	746	751	rBV	2680115	4037163	83.93%	13.772%
5	6.963	805	811	816	rVB	700795	888720	18.48%	3.032%
6	7.516	898	905	910	rBV	1920789	2719957	56.55%	9.279%
7	8.239	1022	1028	1033	rBV	932061	1180355	24.54%	4.027%
8	9.316	1204	1211	1216	rBV	3605039	4810045	100.00%	16.409%
9	9.998	1321	1327	1332	rBV	1007703	1298417	26.99%	4.429%
10	10.780	1454	1460	1466	rBV	2075395	2781279	57.82%	9.488%
11	11.480	1574	1579	1584	rBV	1048991	1308573	27.21%	4.464%
12	13.069	1843	1849	1854	rBV	3154252	4213005	87.59%	14.372%
13	14.115	2022	2027	2037	rBV	619559	779342	16.20%	2.659%
14	15.621	2276	2283	2288	rBV	491046	785017	16.32%	2.678%

Sum of corrected areas: 29313285

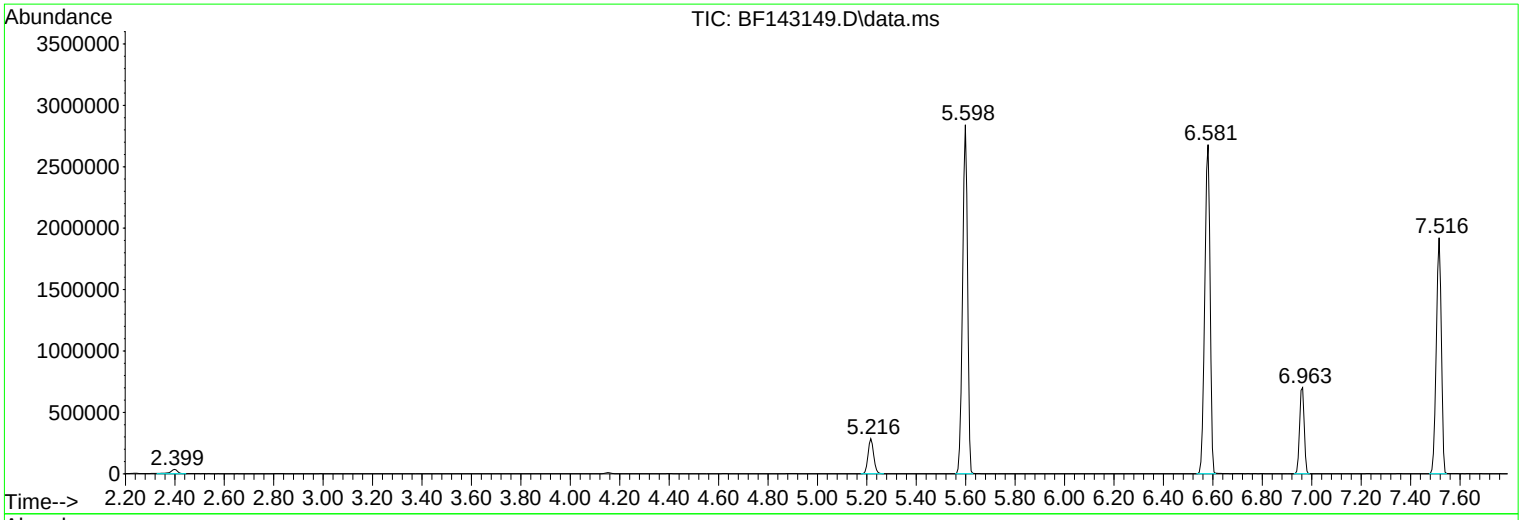
Sample Results: **BF143149.D**

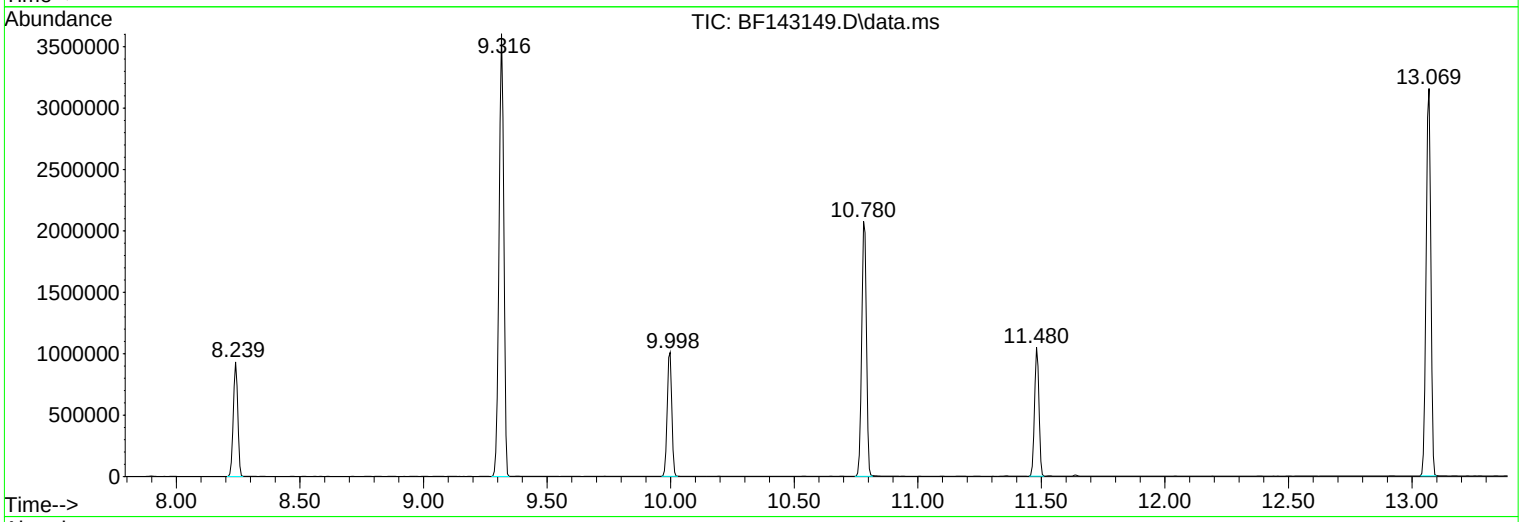
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

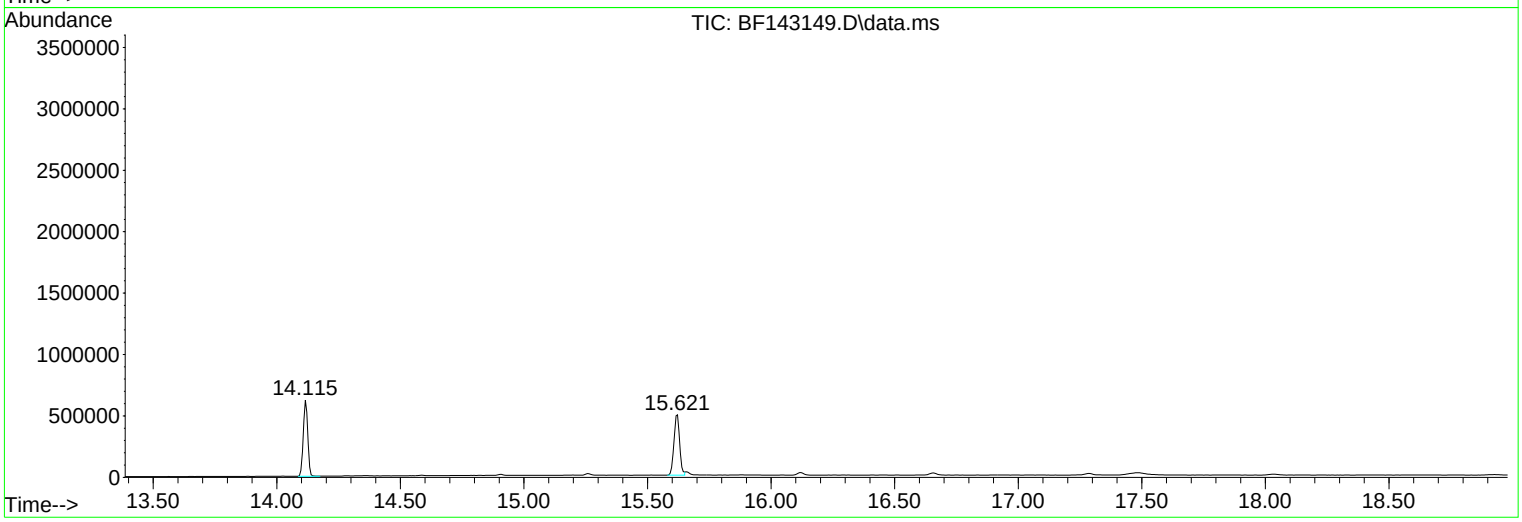
Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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\BF071725\
Data File : BF143149.D
Acq On : 17 Jul 2025 15:36
Operator : RC/JU
Sample : PB168813BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.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:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168813BS			SDG No.:	Q2555
Lab Sample ID:	PB168813BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143179.D	1	07/11/25 09:50	07/22/25 09:44	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	1.50		0.023	0.13	0.17	mg/Kg
91-57-6	2-Methylnaphthalene	1.50		0.026	0.13	0.17	mg/Kg
208-96-8	Acenaphthylene	1.50		0.029	0.13	0.17	mg/Kg
83-32-9	Acenaphthene	1.60		0.021	0.13	0.17	mg/Kg
86-73-7	Fluorene	1.50		0.025	0.13	0.17	mg/Kg
85-01-8	Phenanthrene	1.50		0.021	0.13	0.17	mg/Kg
120-12-7	Anthracene	1.50		0.033	0.13	0.17	mg/Kg
206-44-0	Fluoranthene	1.60		0.030	0.13	0.17	mg/Kg
129-00-0	Pyrene	1.80		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.50		0.023	0.13	0.17	mg/Kg
218-01-9	Chrysene	1.50		0.020	0.13	0.17	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.60		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.50		0.022	0.13	0.17	mg/Kg
50-32-8	Benzo(a)pyrene	1.50		0.030	0.13	0.17	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1.50		0.029	0.13	0.17	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	1.50		0.027	0.13	0.17	mg/Kg
191-24-2	Benzo(g,h,i)perylene	1.60		0.026	0.13	0.17	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	81.7		37 - 122		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.1		44 - 115		74%	SPK: 100
1718-51-0	Terphenyl-d14	89.3		54 - 127		89%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	149000	6.963				
1146-65-2	Naphthalene-d8	576000	8.245				
15067-26-2	Acenaphthene-d10	308000	10.004				
1517-22-2	Phenanthrene-d10	540000	11.492				
1719-03-5	Chrysene-d12	276000	14.127				
1520-96-3	Perylene-d12	279000	15.633				

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

Report of Analysis

Client:	Nobis Group			Date Collected:	
Project:	Raymark Superfund Site			Date Received:	
Client Sample ID:	PB168813BS			SDG No.:	Q2555
Lab Sample ID:	PB168813BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group3
Extraction Type :			Decanted : N	Level :	LOW
Injection Volume :			GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143179.D	1	07/11/25 09:50	07/22/25 09:44	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF072225\
Data File : BF143179.D
Acq On : 22 Jul 2025 09:44
Operator : RC/JU
Sample : PB168813BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 11:14:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	148818	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	576425	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	308303	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	540032	20.000	ng		0.00
76) Chrysene-d12	14.127	240	276421	20.000	ng		0.00
86) Perylene-d12	15.633	264	278917	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	1067004	113.460	ng		0.02
7) Phenol-d6	6.593	99	1361825	115.049	ng		0.00
23) Nitrobenzene-d5	7.522	82	944398	81.668	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	419377	131.675	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1670652	74.110	ng		0.00
79) Terphenyl-d14	13.075	244	1659178	89.322	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.934	88	161464	36.285	ng		99
3) Pyridine	3.675	79	446109	38.625	ng		99
4) n-Nitrosodimethylamine	3.622	42	262477	44.016	ng		100
6) Aniline	6.622	93	556846	33.754	ng		96
8) 2-Chlorophenol	6.751	128	439078	44.542	ng		98
9) Benzaldehyde	6.510	77	304356	34.290	ng		98
10) Phenol	6.604	94	576816	44.731	ng		94
11) bis(2-Chloroethyl)ether	6.693	93	430148	43.567	ng		100
12) 1,3-Dichlorobenzene	6.910	146	456124	42.595	ng		99
13) 1,4-Dichlorobenzene	6.981	146	460379	42.691	ng		100
14) 1,2-Dichlorobenzene	7.134	146	447172	43.597	ng		99
15) Benzyl Alcohol	7.098	79	412922	45.687	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	811805	44.324	ng		99
17) 2-Methylphenol	7.210	107	370529	44.705	ng		100
18) Hexachloroethane	7.481	117	165860	44.428	ng		98
19) n-Nitroso-di-n-propyla...	7.375	70	331784	43.689	ng		99
20) 3+4-Methylphenols	7.363	107	444798	44.232	ng	#	83
22) Acetophenone	7.369	105	597065	43.751	ng		97
24) Nitrobenzene	7.540	77	487538	45.221	ng		99
25) Isophorone	7.781	82	924505	45.288	ng		99
26) 2-Nitrophenol	7.857	139	233949	50.000	ng		99
27) 2,4-Dimethylphenol	7.893	122	432302	45.326	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	546978	44.689	ng		100
29) 2,4-Dichlorophenol	8.098	162	367314	45.667	ng		98
30) 1,2,4-Trichlorobenzene	8.187	180	382623	44.032	ng		100
31) Naphthalene	8.269	128	1254290	44.183	ng		100
32) Benzoic acid	8.010	122	275604	50.943	ng		98
33) 4-Chloroaniline	8.304	127	196806	16.978	ng		99
34) Hexachlorobutadiene	8.387	225	232563	43.811	ng		99
35) Caprolactam	8.681	113	129786m	53.398	ng		
36) 4-Chloro-3-methylphenol	8.787	107	413921	47.346	ng		100
37) 2-Methylnaphthalene	8.957	142	773479	44.775	ng		100
38) 1-Methylnaphthalene	9.057	142	795535	44.722	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	372068	41.800	ng		99
41) Hexachlorocyclopentadiene	9.116	237	507942	87.703	ng		99
43) 2,4,6-Trichlorophenol	9.234	196	273909	44.464	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143179.D
Acq On : 22 Jul 2025 09:44
Operator : RC/JU
Sample : PB168813BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 11:14:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	284651	46.193	ng		99
46) 1,1'-Biphenyl	9.422	154	1046849	43.521	ng		99
47) 2-Chloronaphthalene	9.451	162	765933	43.035	ng		99
48) 2-Nitroaniline	9.534	65	277706	49.756	ng		97
49) Acenaphthylene	9.869	152	1311787	43.980	ng		100
50) Dimethylphthalate	9.722	163	934025	46.478	ng		99
51) 2,6-Dinitrotoluene	9.781	165	204978	50.140	ng		98
52) Acenaphthene	10.039	154	858201	48.681	ng		97
53) 3-Nitroaniline	9.945	138	157455	32.928	ng		98
54) 2,4-Dinitrophenol	10.051	184	204107	107.647	ng	#	1
55) Dibenzofuran	10.210	168	1154840	44.122	ng		100
56) 4-Nitrophenol	10.104	139	364810	102.167	ng		98
57) 2,4-Dinitrotoluene	10.186	165	273950	53.412	ng		97
58) Fluorene	10.551	166	889443	45.279	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	247005	48.390	ng		99
60) Diethylphthalate	10.422	149	954021	48.030	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	437991	44.778	ng		98
62) 4-Nitroaniline	10.563	138	217627	53.103	ng		100
63) Azobenzene	10.704	77	968287	46.773	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	134879	47.684	ng		98
66) n-Nitrosodiphenylamine	10.663	169	809593	42.574	ng		100
67) 4-Bromophenyl-phenylether	11.033	248	278455	43.267	ng		99
68) Hexachlorobenzene	11.104	284	292998	43.557	ng		98
69) Atrazine	11.181	200	257256	49.071	ng		99
70) Pentachlorophenol	11.292	266	369820	93.487	ng		99
71) Phenanthrene	11.516	178	1261416	43.992	ng		100
72) Anthracene	11.569	178	1274603	43.585	ng		100
73) Carbazole	11.716	167	1167519	45.721	ng		100
74) Di-n-butylphthalate	12.045	149	1413258	48.912	ng		100
75) Fluoranthene	12.704	202	1272502	48.349	ng		100
77) Benzidine	12.816	184	484143	45.460	ng		99
78) Pyrene	12.933	202	1245151	52.781	ng		99
80) Butylbenzylphthalate	13.545	149	419591	58.084	ng		98
81) Benzo(a)anthracene	14.116	228	834348	45.084	ng		100
82) 3,3'-Dichlorobenzidine	14.074	252	150923	24.469	ng		100
83) Chrysene	14.157	228	773845	46.508	ng		99
84) Bis(2-ethylhexyl)phtha...	14.104	149	542125	49.581	ng		100
85) Di-n-octyl phthalate	14.721	149	872909	44.043	ng		99
87) Indeno(1,2,3-cd)pyrene	17.174	276	901700	45.847	ng		99
88) Benzo(b)fluoranthene	15.186	252	805003	47.244	ng		99
89) Benzo(k)fluoranthene	15.216	252	670629	44.106	ng		99
90) Benzo(a)pyrene	15.568	252	726542	46.279	ng		100
91) Dibenzo(a,h)anthracene	17.192	278	727463	45.444	ng		99
92) Benzo(g,h,i)perylene	17.645	276	723992	46.754	ng		99

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

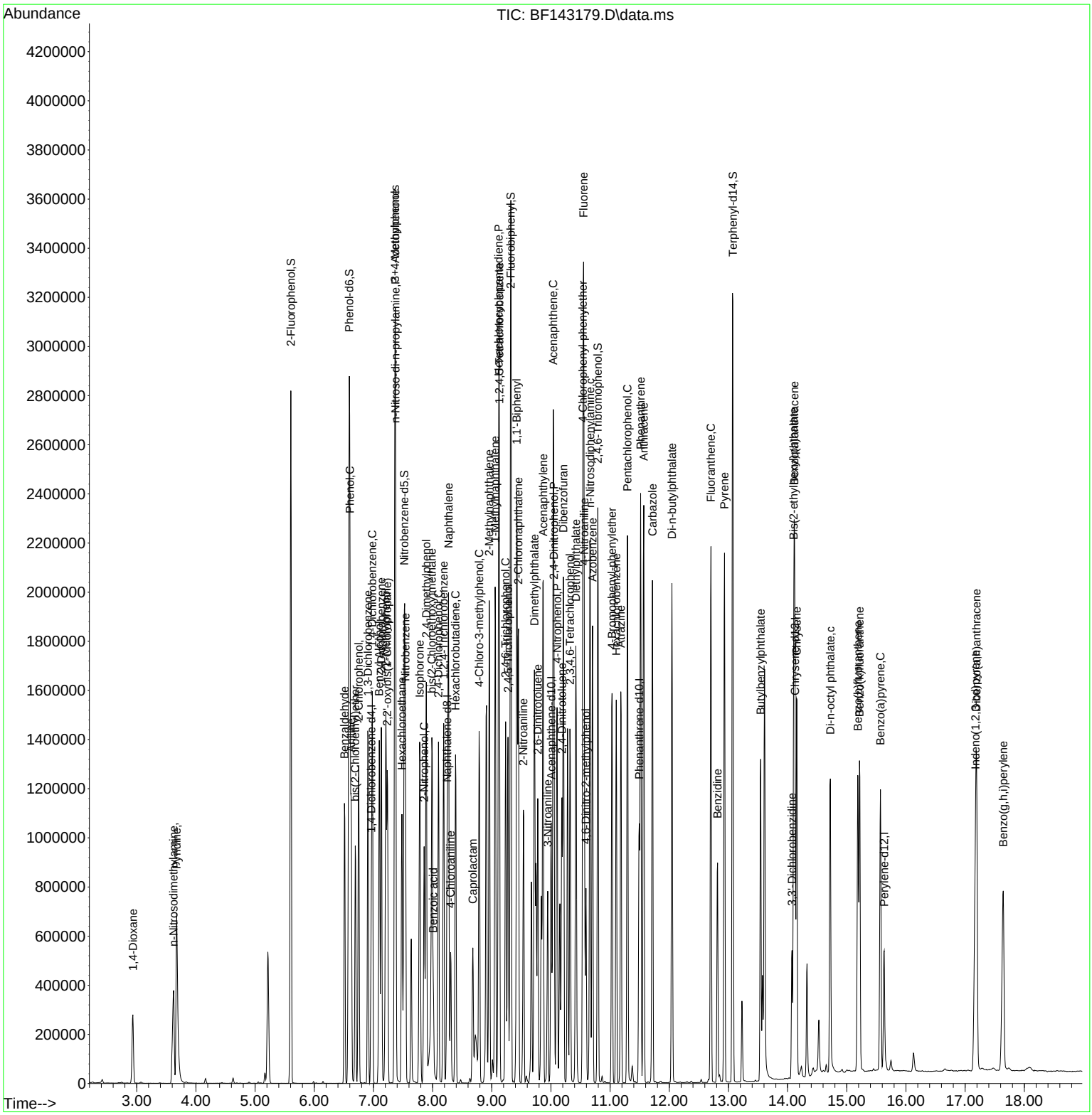
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143179.D
Acq On : 22 Jul 2025 09:44
Operator : RC/JU
Sample : PB168813BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

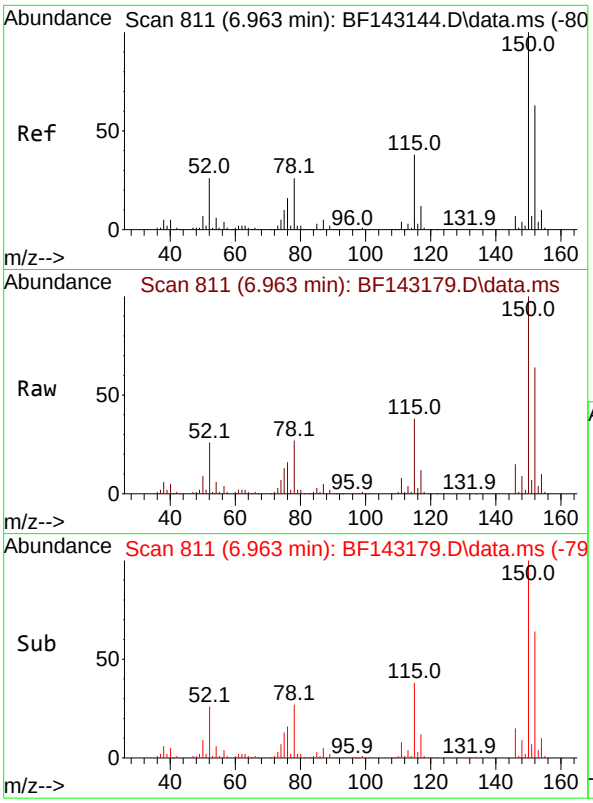
Quant Time: Jul 22 11:14:21 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

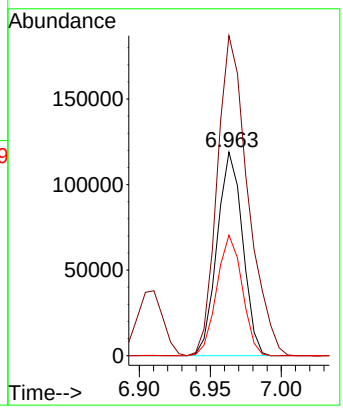




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:152 Resp: 14881

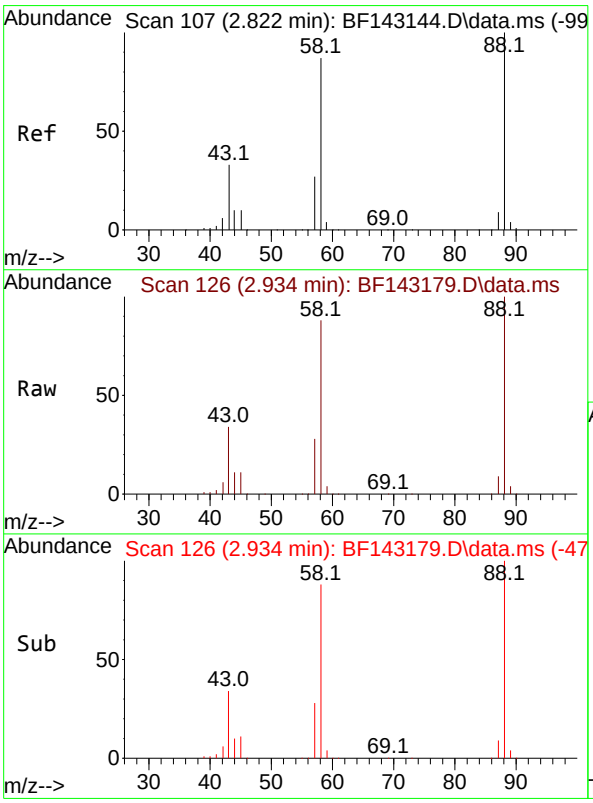
Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.2	192.4
115	59.2	47.9	71.9



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

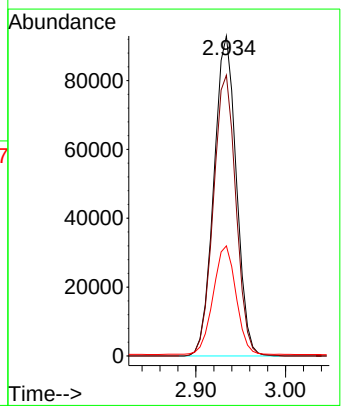
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

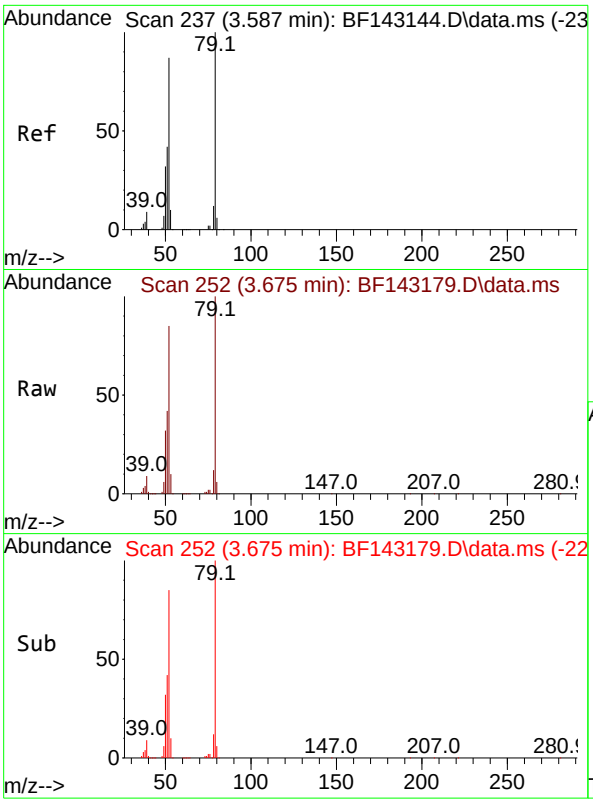


#2
1,4-Dioxane
Concen: 36.285 ng
RT: 2.934 min Scan# 126
Delta R.T. 0.112 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 88 Resp: 161464

Ion	Ratio	Lower	Upper
88	100		
58	88.2	70.2	105.2
43	35.0	27.1	40.7

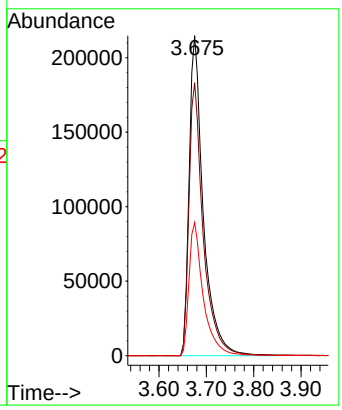




#3
Pyridine
Concen: 38.625 ng
RT: 3.675 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 79 Resp: 44610

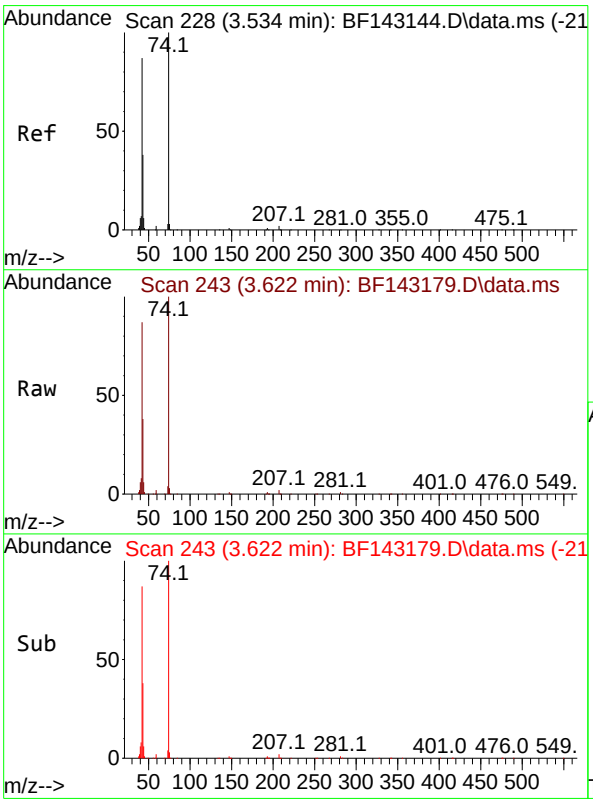
Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.4	104.2
51	41.6	33.5	50.3



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED

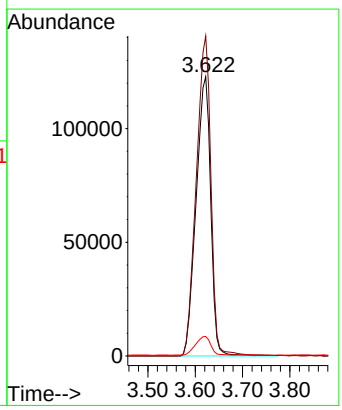
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

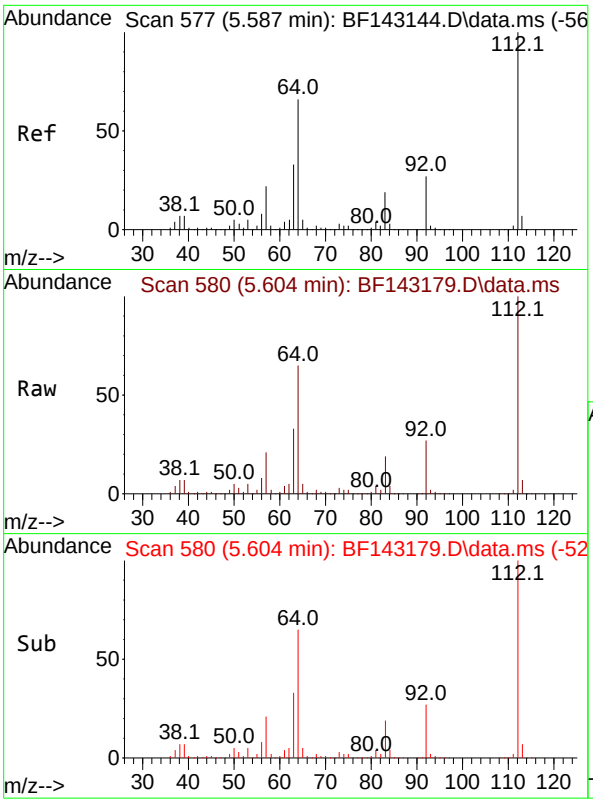


#4
n-Nitrosodimethylamine
Concen: 44.016 ng
RT: 3.622 min Scan# 243
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 42 Resp: 262477

Ion	Ratio	Lower	Upper
42	100		
74	114.6	91.7	137.5
44	7.0	5.6	8.4

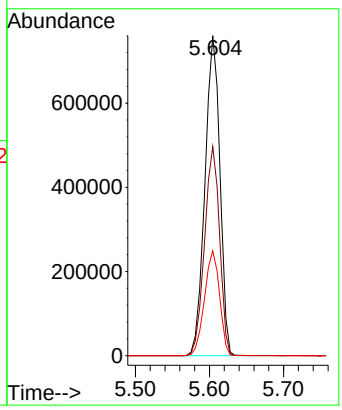




#5
2-Fluorophenol
Concen: 113.460 ng
RT: 5.604 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:112 Resp: 106700

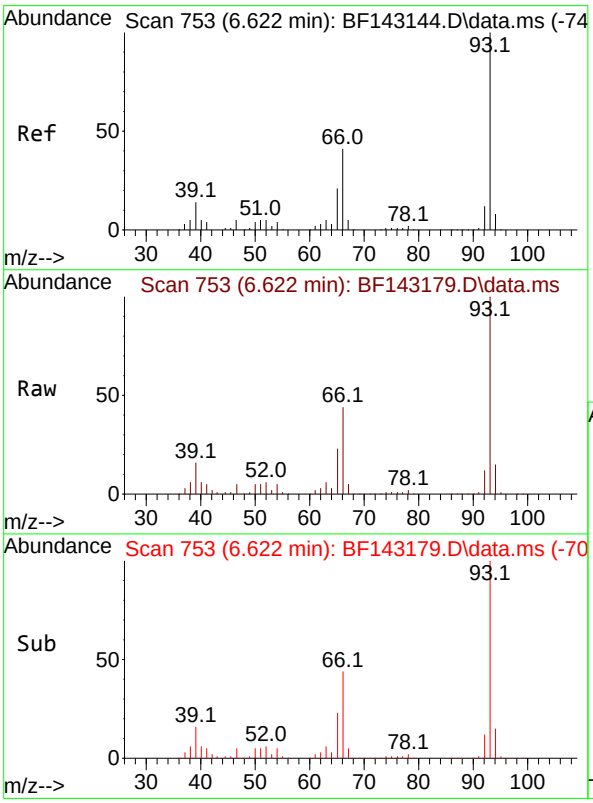
Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.1	79.7
63	32.8	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

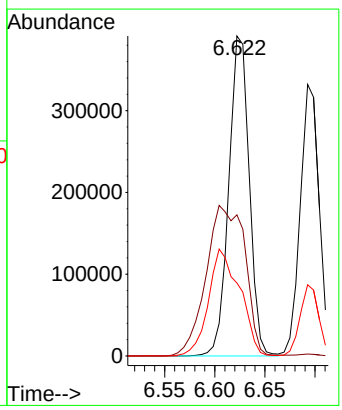
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

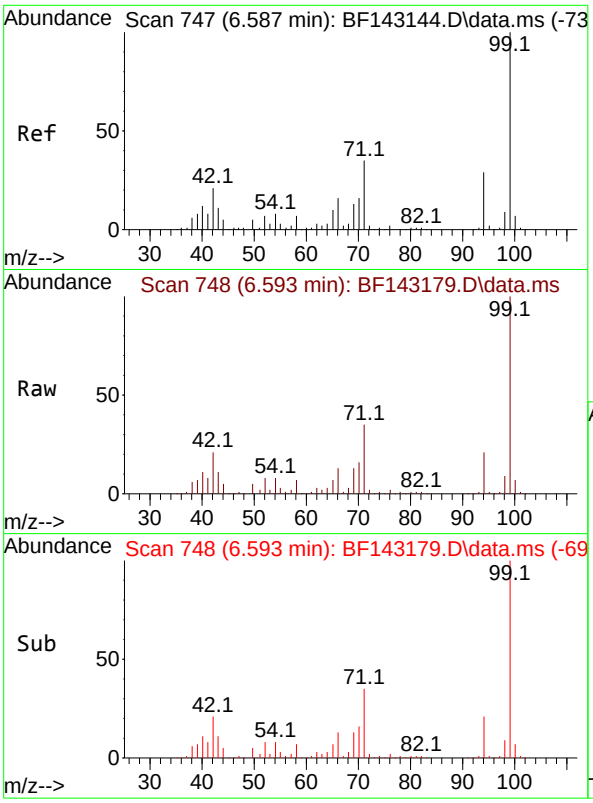


#6
Aniline
Concen: 33.754 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 93 Resp: 556846

Ion	Ratio	Lower	Upper
93	100		
66	44.1	33.2	49.8
65	22.8	16.9	25.3

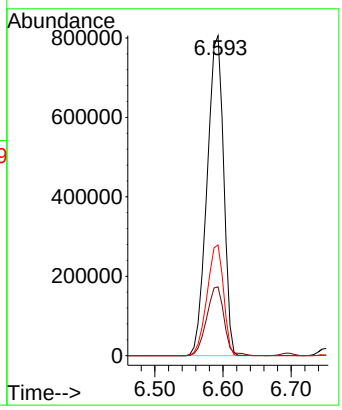




#7
Phenol-d6
Concen: 115.049 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 99 Resp: 136182

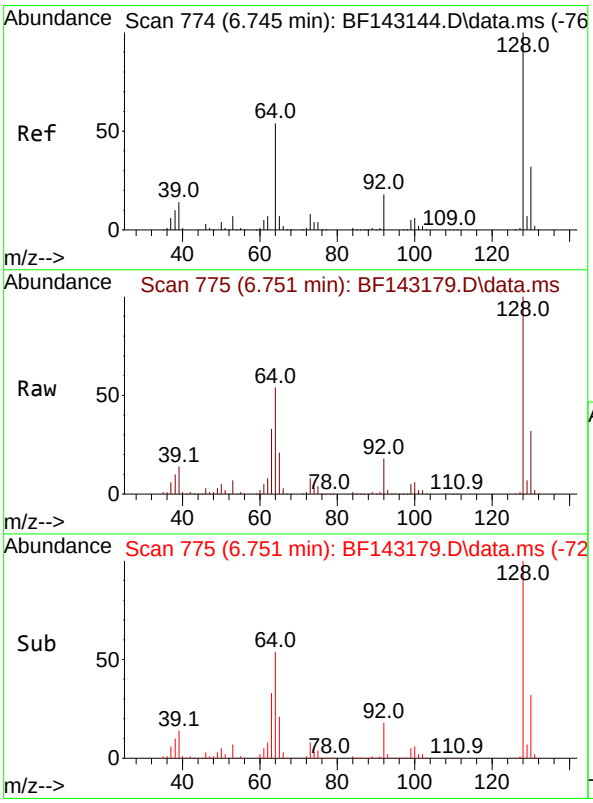
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	34.6	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

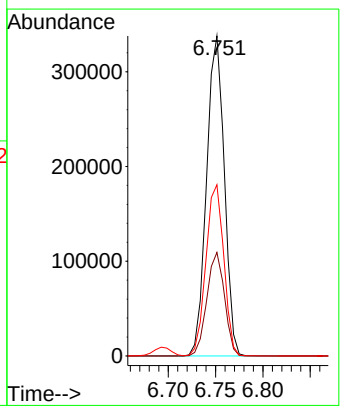
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

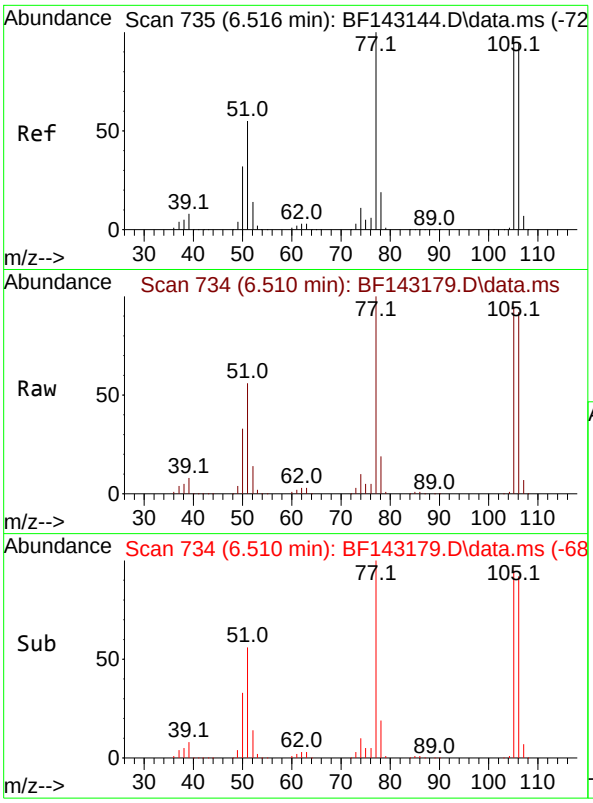


#8
2-Chlorophenol
Concen: 44.542 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:128 Resp: 439078

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	53.5	35.9	75.9

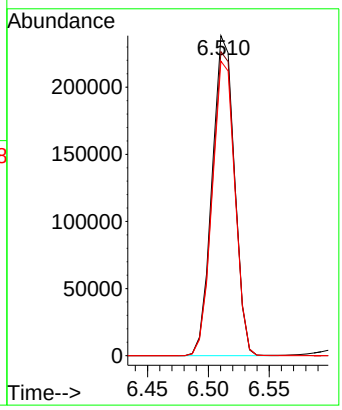




#9
Benzaldehyde
Concen: 34.290 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 77 Resp: 30435

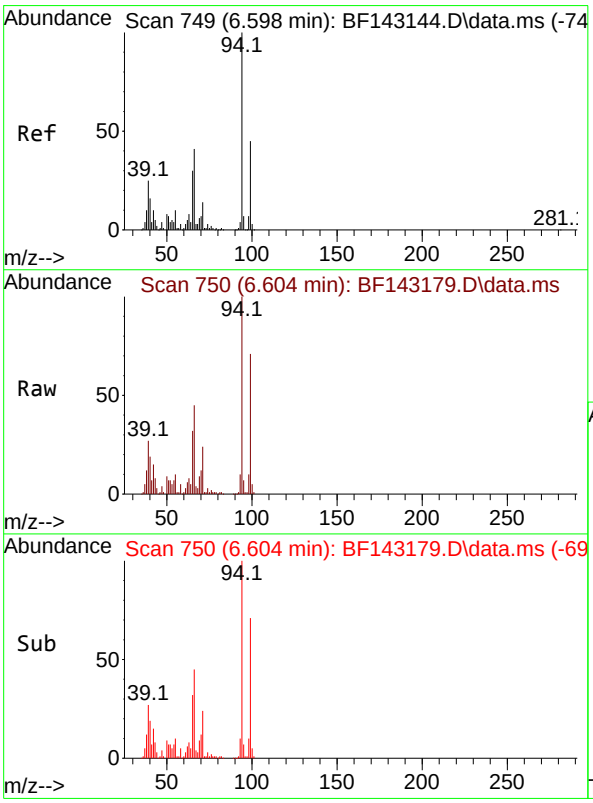
Ion	Ratio	Lower	Upper
77	100		
105	95.0	76.8	116.8
106	92.1	74.4	114.4



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

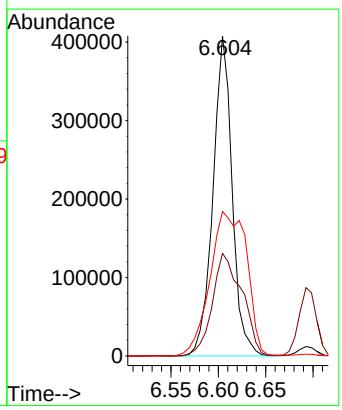
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

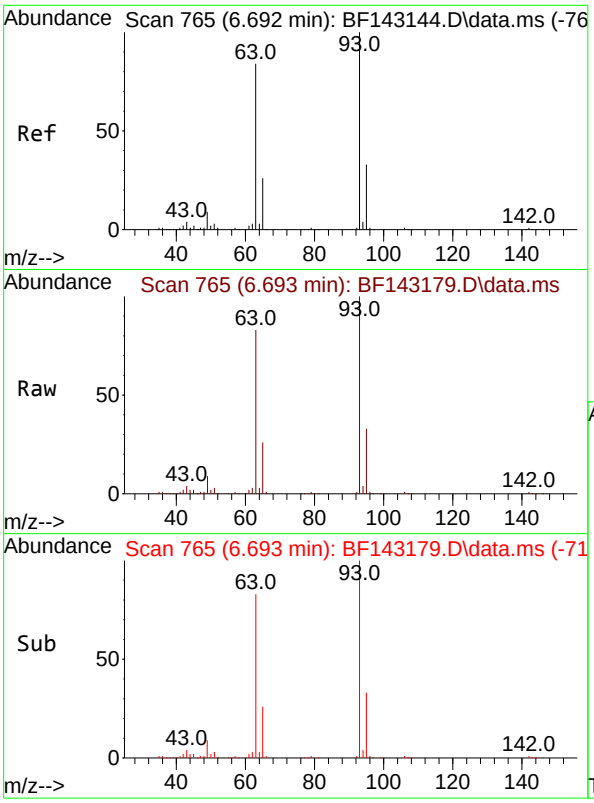


#10
Phenol
Concen: 44.731 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 94 Resp: 576816

Ion	Ratio	Lower	Upper
94	100		
65	32.0	10.0	50.0
66	45.1	20.8	60.8

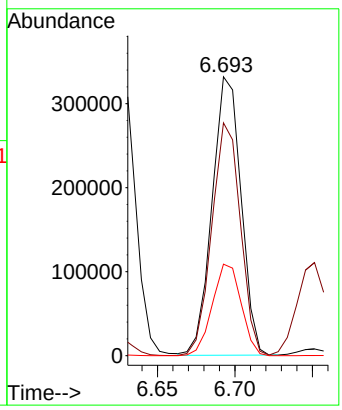




#11
bis(2-Chloroethyl)ether
Concen: 43.567 ng
RT: 6.693 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 93 Resp: 43014

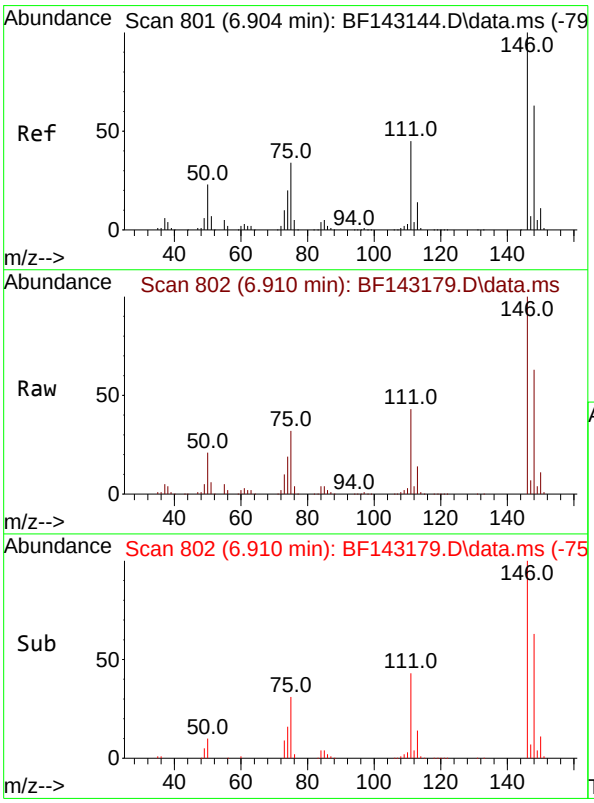
Ion	Ratio	Lower	Upper
93	100		
63	83.4	63.4	103.4
95	32.8	12.4	52.4



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

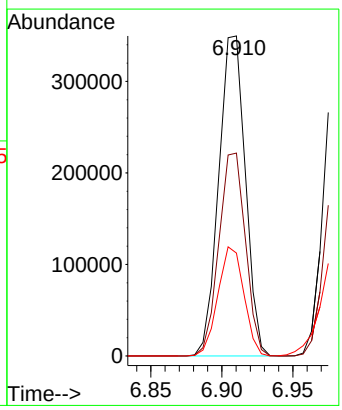
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

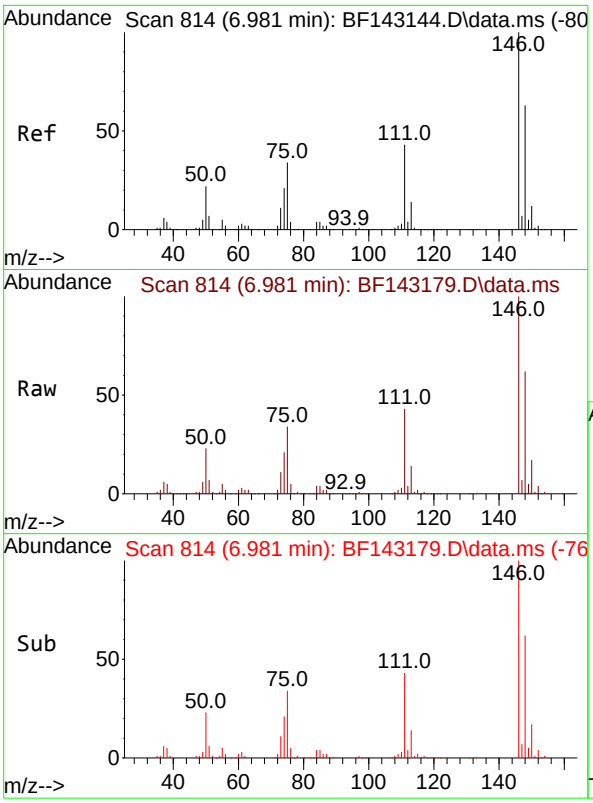


#12
1,3-Dichlorobenzene
Concen: 42.595 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 456124

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
75	32.1	27.4	41.2

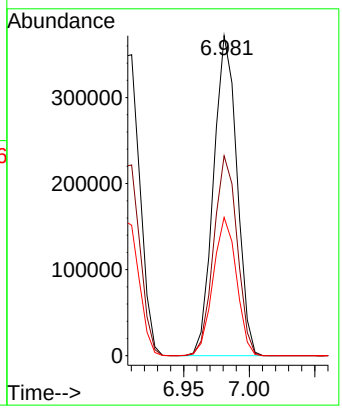




#13
1,4-Dichlorobenzene
Concen: 42.691 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 46037

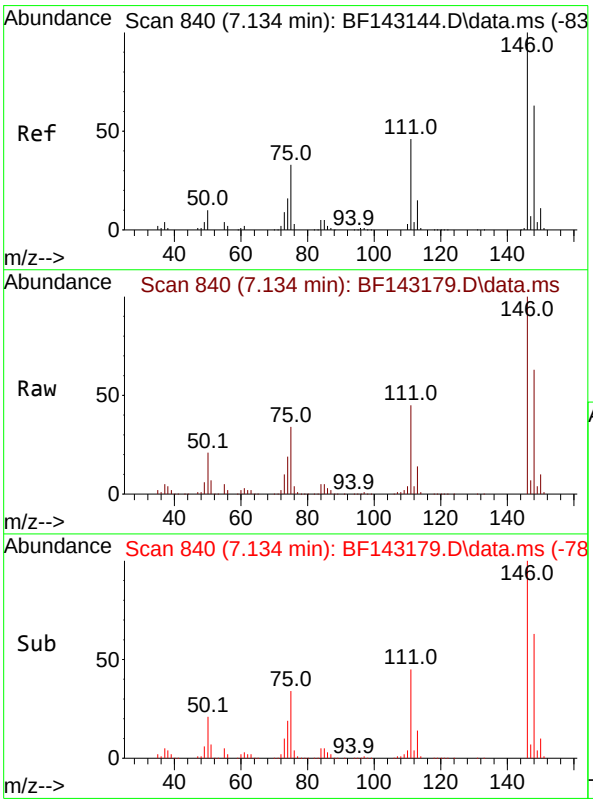
Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.3	75.5
111	43.2	34.4	51.6



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

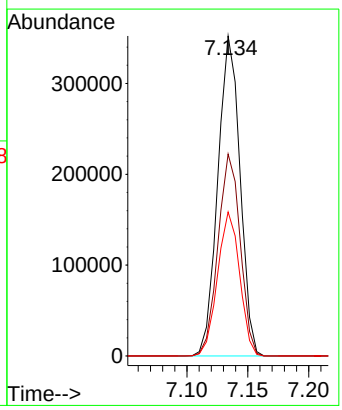
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

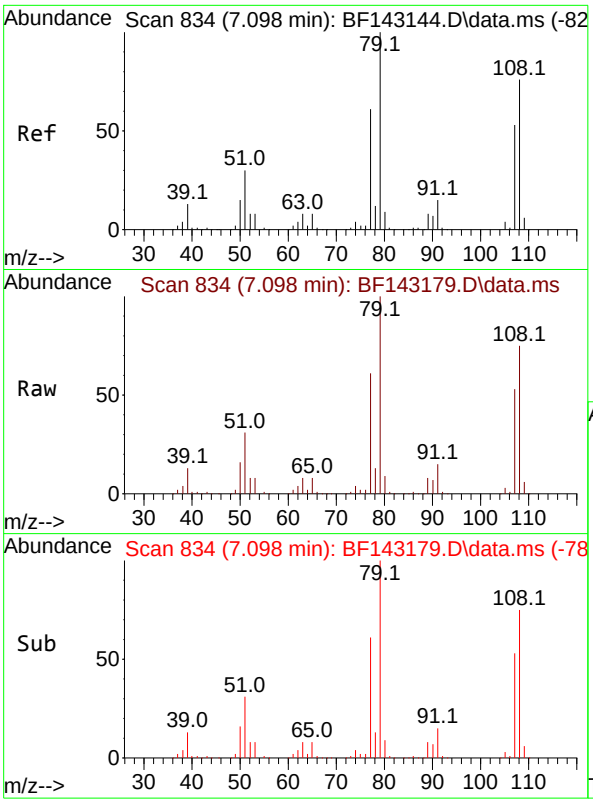


#14
1,2-Dichlorobenzene
Concen: 43.597 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 447172

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.7	76.1
111	45.0	36.6	54.8

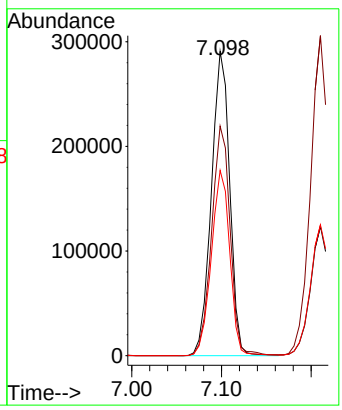




#15
Benzyl Alcohol
Concen: 45.687 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 79 Resp: 41292

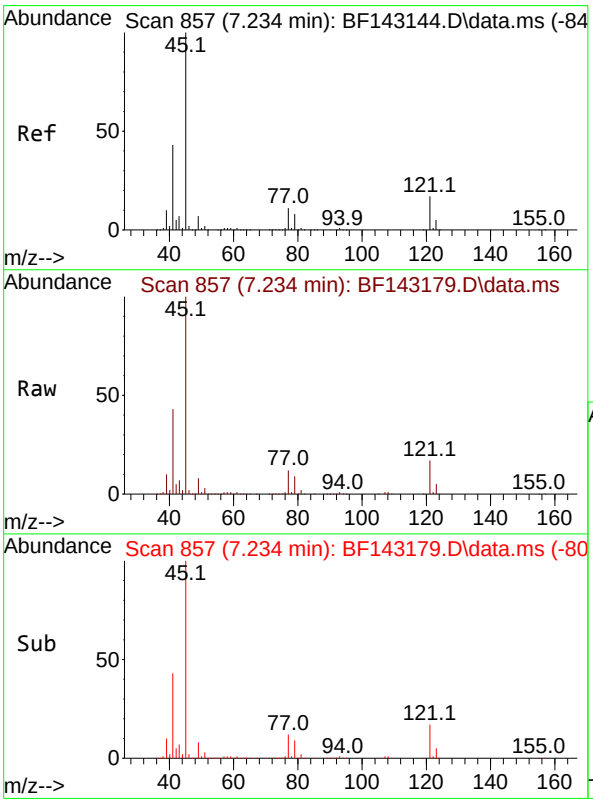
Ion	Ratio	Lower	Upper
79	100		
108	75.5	61.1	91.7
77	60.9	48.9	73.3



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

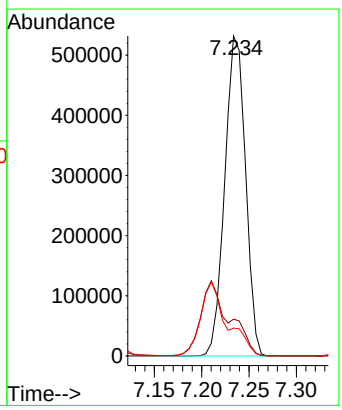
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

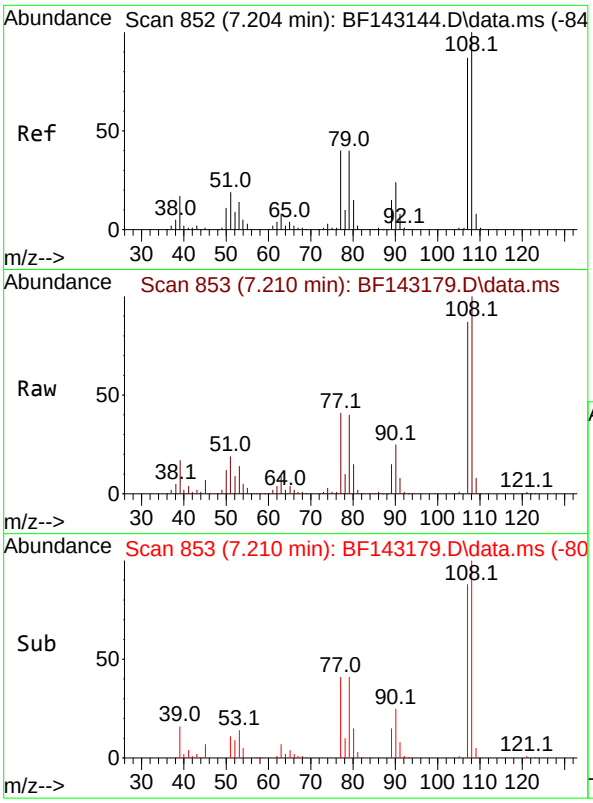


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.324 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 45 Resp: 811805

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.7	0.0	28.5

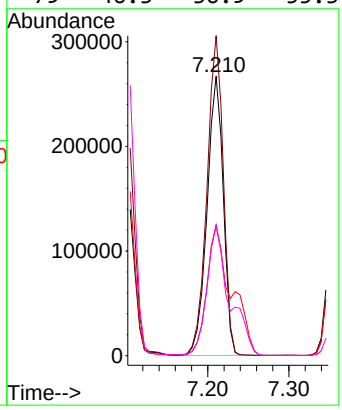




#17
2-Methylphenol
Concen: 44.705 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

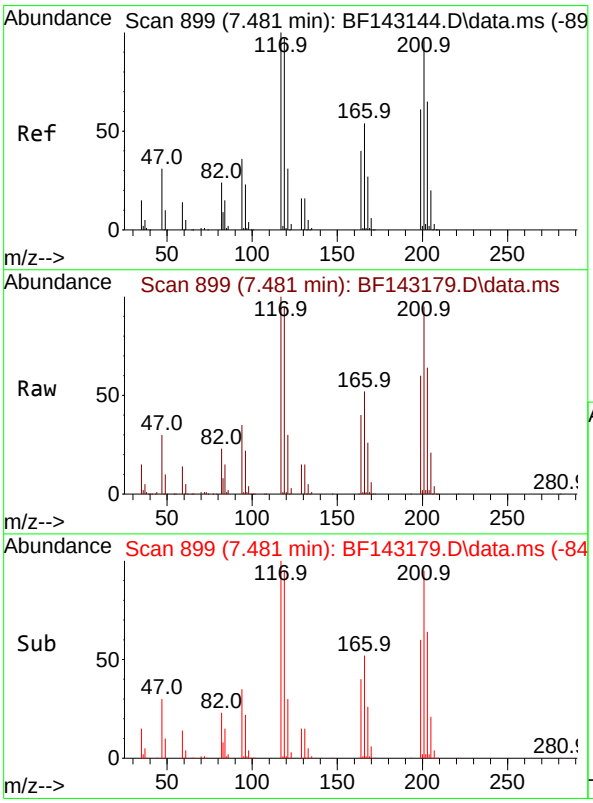
Tgt Ion:107 Resp: 37052

Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.8	137.6
77	46.9	37.0	55.6
79	46.3	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
PB168813BS

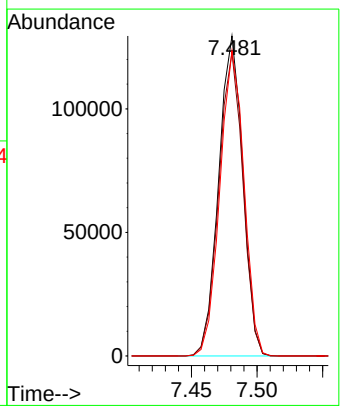
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

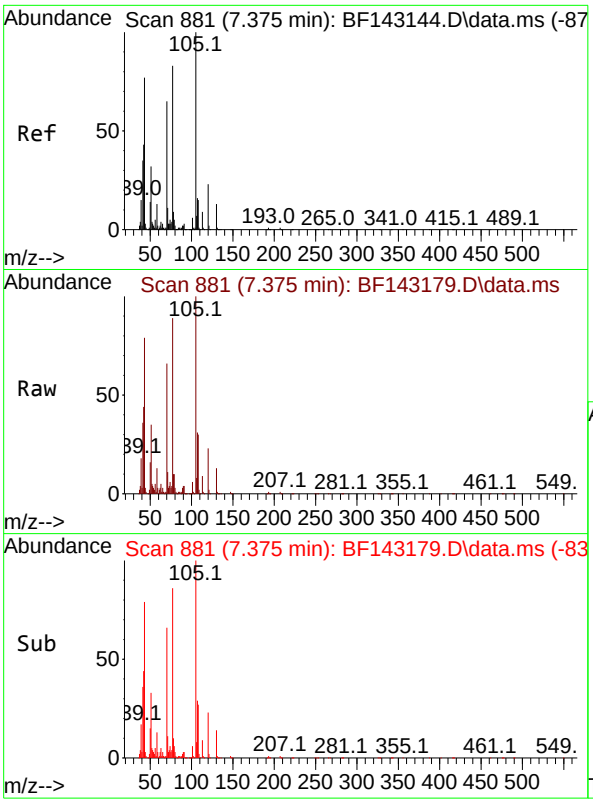


#18
Hexachloroethane
Concen: 44.428 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:117 Resp: 165860

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.8	116.8
201	95.3	77.0	115.4

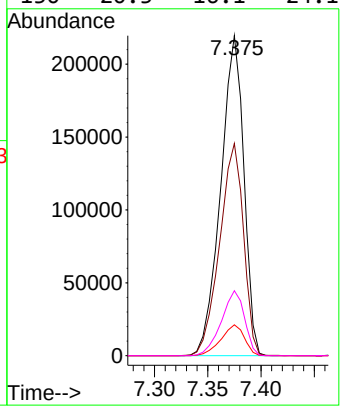




#19
n-Nitroso-di-n-propylamine
Concen: 43.689 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 70 Resp: 33178

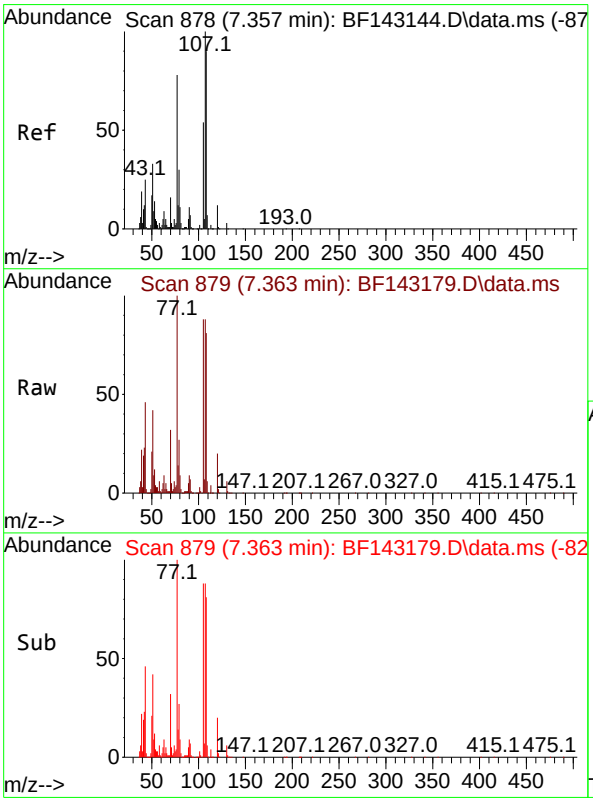
Ion	Ratio	Lower	Upper
70	100		
42	66.3	52.5	78.7
101	9.7	7.6	11.4
130	20.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

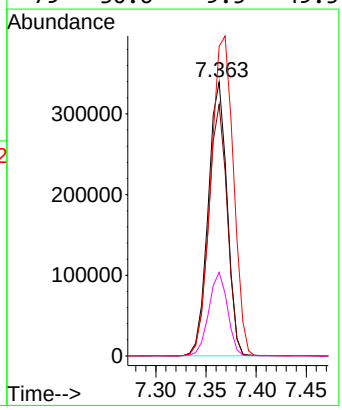
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

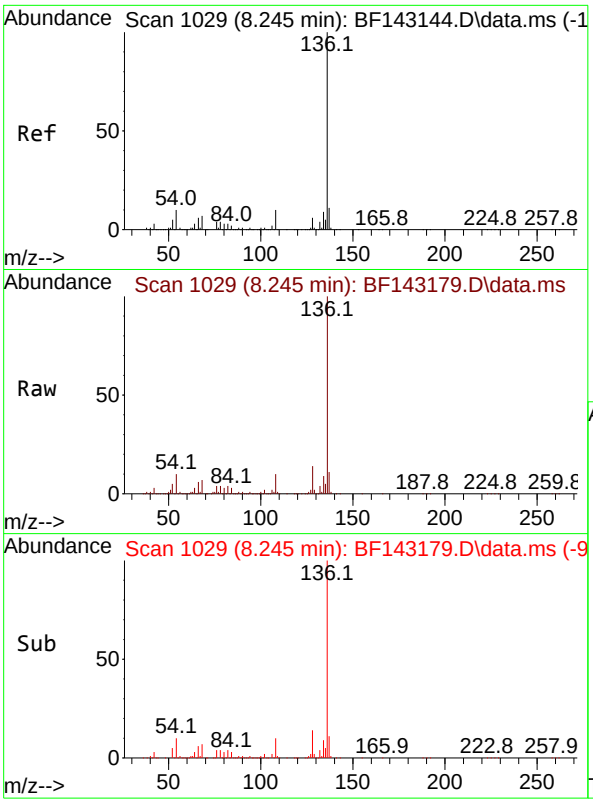


#20
3+4-Methylphenols
Concen: 44.232 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:107 Resp: 444798

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	113.0	57.8	97.8#
79	30.6	9.5	49.5

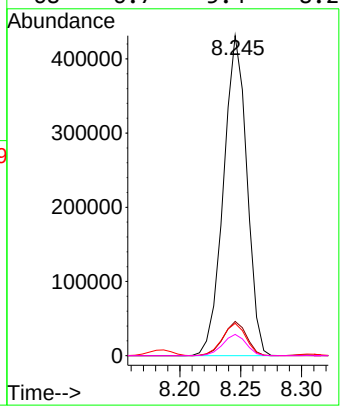




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:136 Resp: 57642

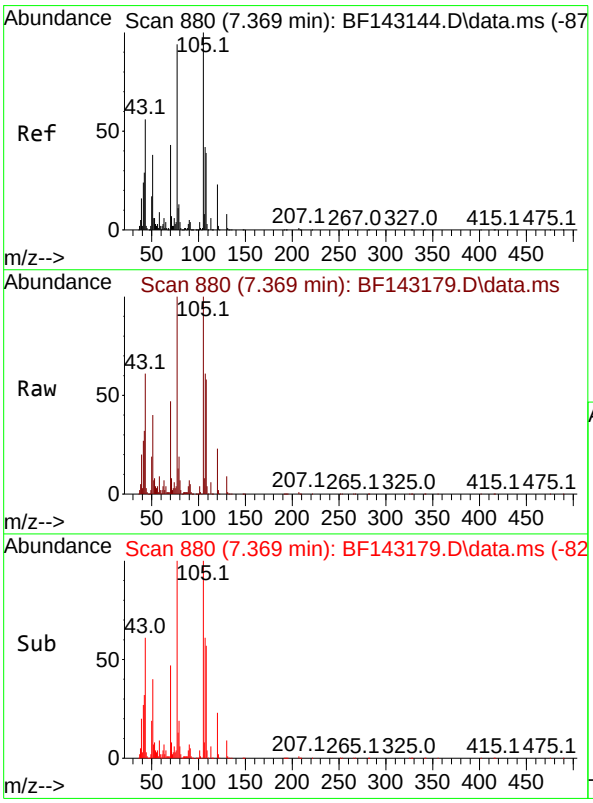
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.1	8.2	12.2
68	6.7	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

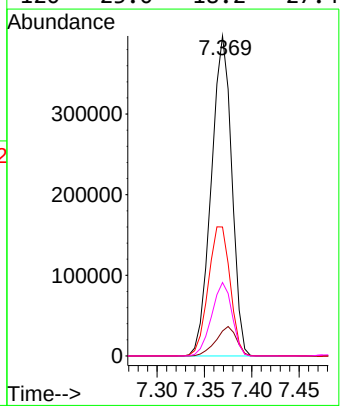
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

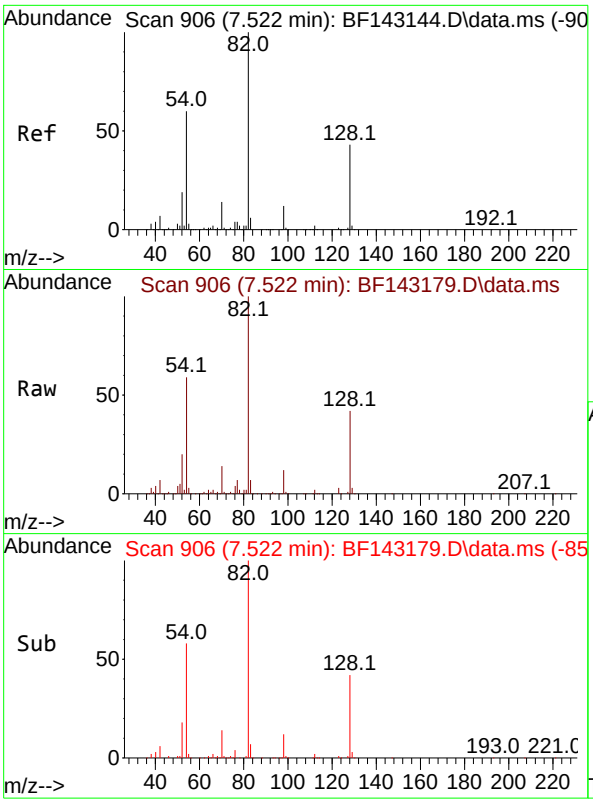


#22
Acetophenone
Concen: 43.751 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:105 Resp: 597065

Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.8	8.6
51	40.3	30.2	45.2
120	23.0	18.2	27.4





#23
Nitrobenzene-d5
Concen: 81.668 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

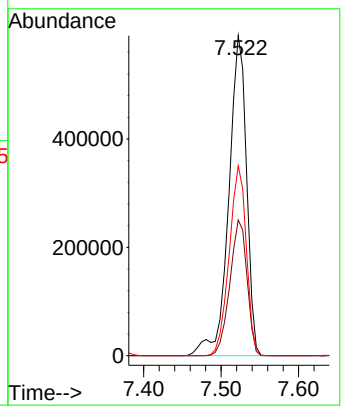
Tgt Ion: 82 Resp: 94439

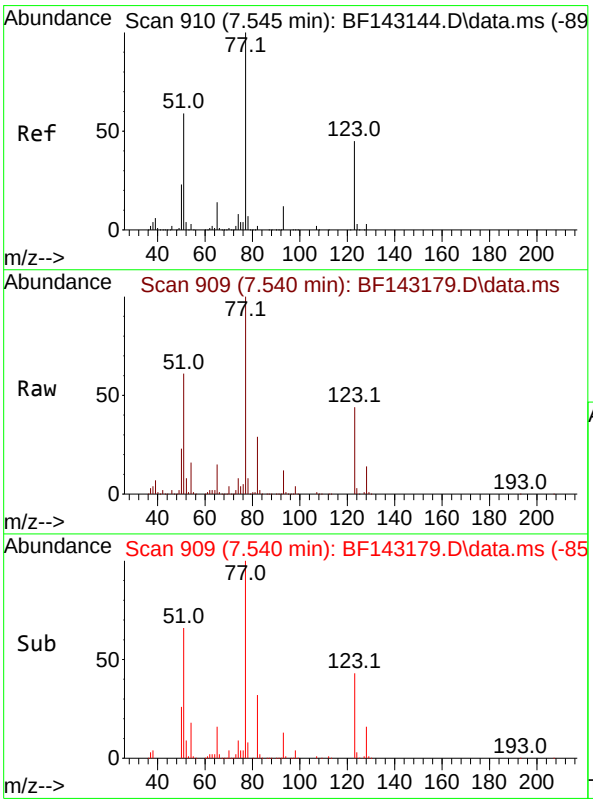
Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.6	50.4
54	59.3	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

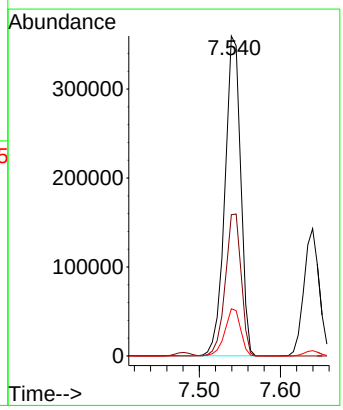


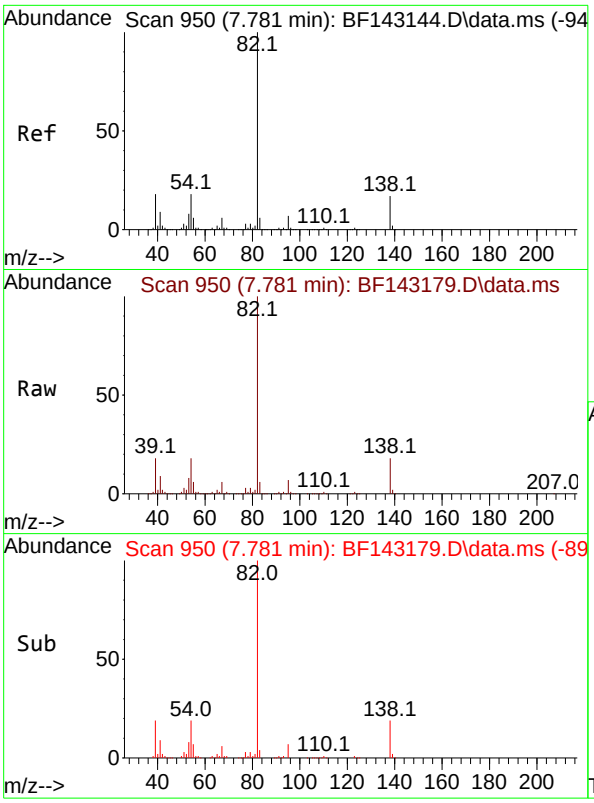


#24
Nitrobenzene
Concen: 45.221 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 77 Resp: 487538

Ion	Ratio	Lower	Upper
77	100		
123	44.1	36.1	54.1
65	14.8	11.4	17.2

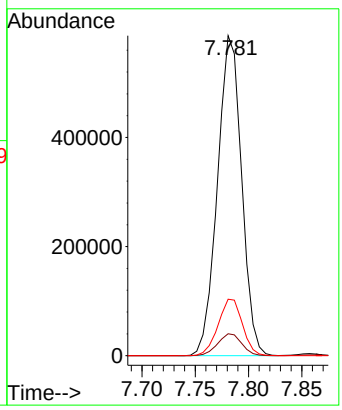




#25
Isophorone
Concen: 45.288 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 82 Resp: 92450

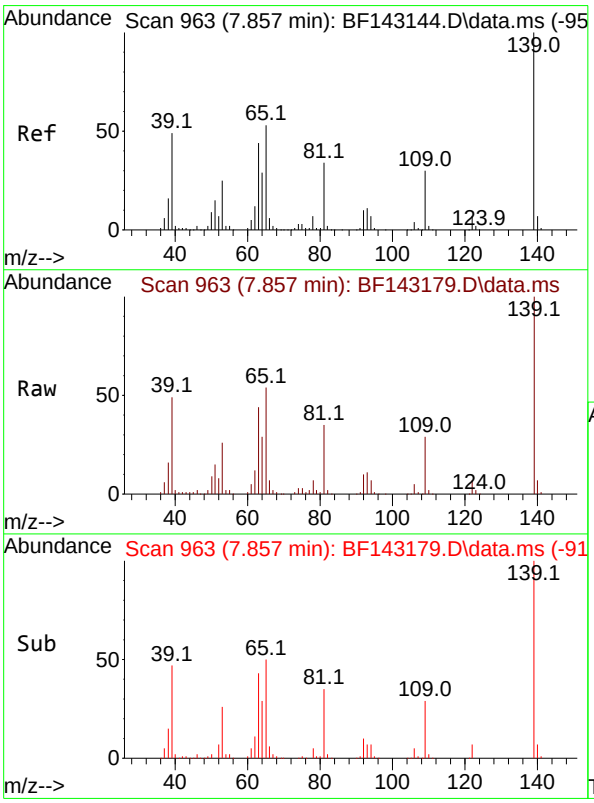
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.7	13.8	20.8



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

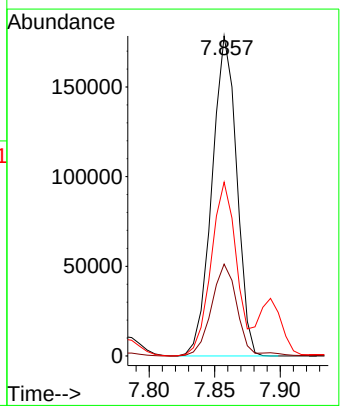
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

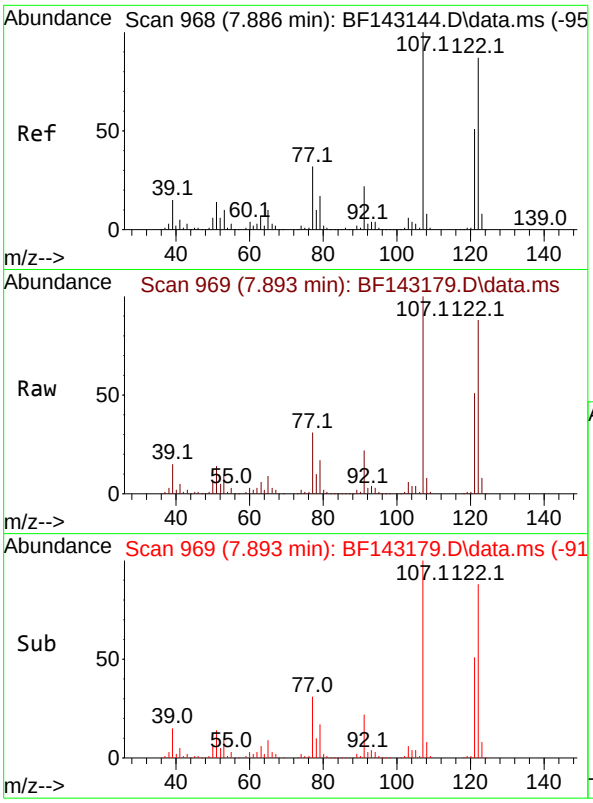


#26
2-Nitrophenol
Concen: 50.000 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:139 Resp: 233949

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.6	35.4
65	54.3	42.6	64.0

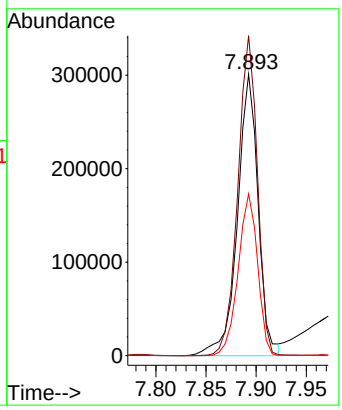




#27
2,4-Dimethylphenol
Concen: 45.326 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:122 Resp: 43230

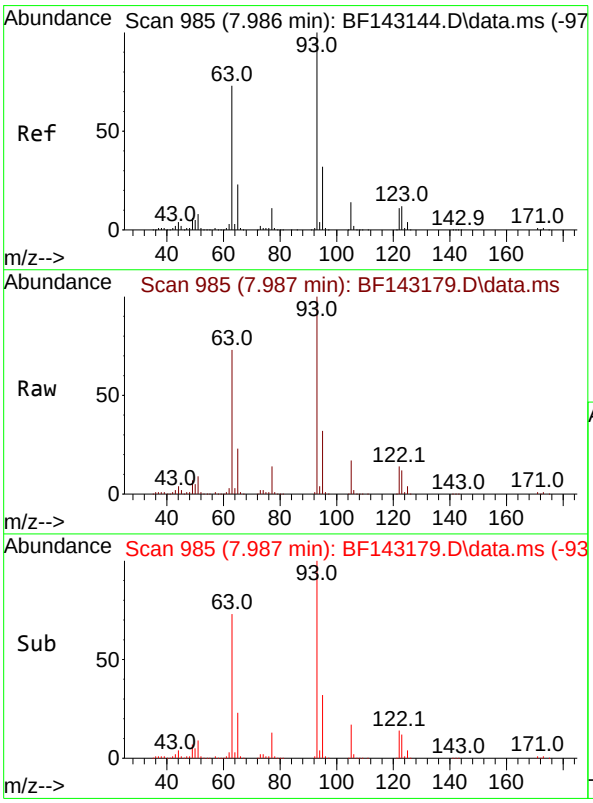
Ion	Ratio	Lower	Upper
122	100		
107	113.7	91.8	137.6
121	57.5	46.3	69.5



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

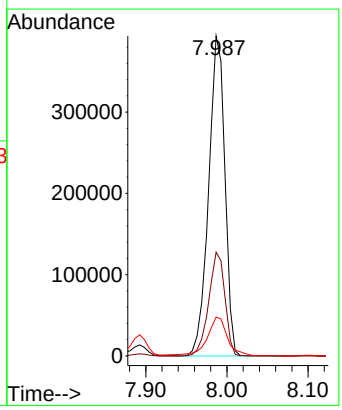
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

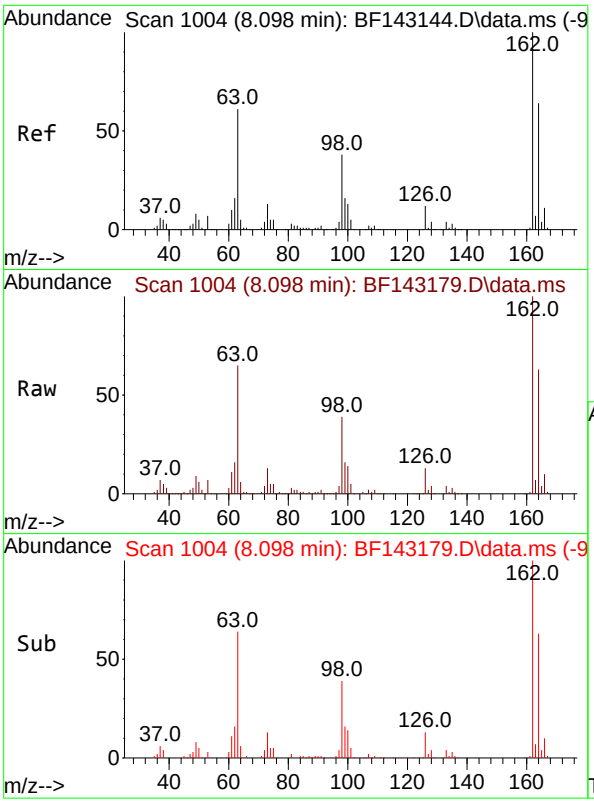


#28
bis(2-Chloroethoxy)methane
Concen: 44.689 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 93 Resp: 546978

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.6
123	12.1	9.7	14.5

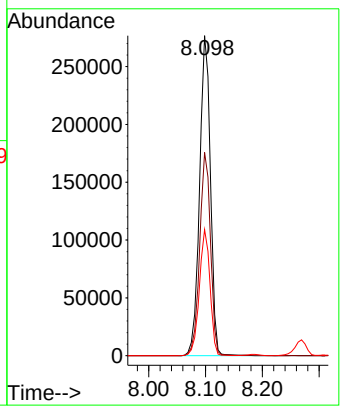




#29
2,4-Dichlorophenol
Concen: 45.667 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:162 Resp: 36731

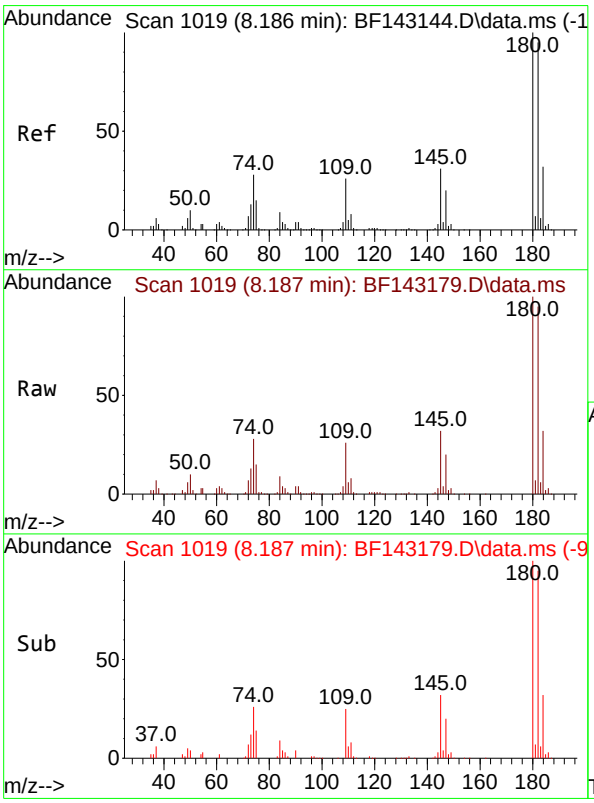
Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.2	84.2
98	39.4	17.9	57.9



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

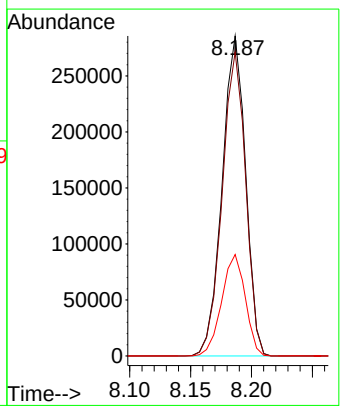
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

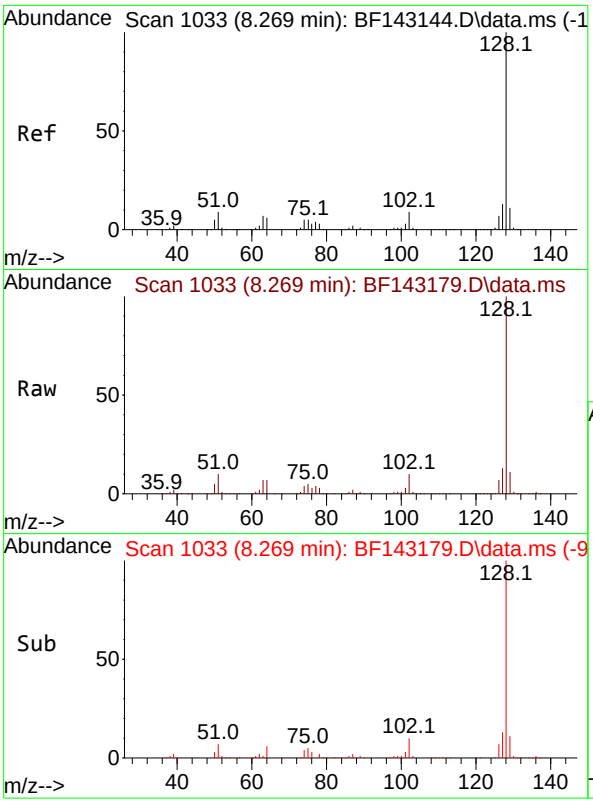


#30
1,2,4-Trichlorobenzene
Concen: 44.032 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:180 Resp: 382623

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
145	31.7	25.0	37.6

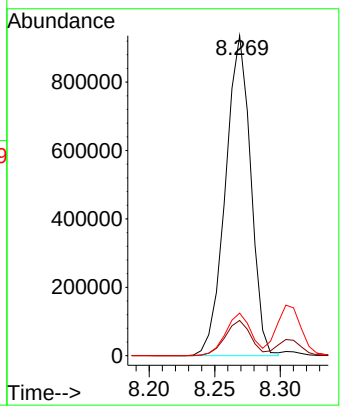




#31
Naphthalene
Concen: 44.183 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:128 Resp: 125429

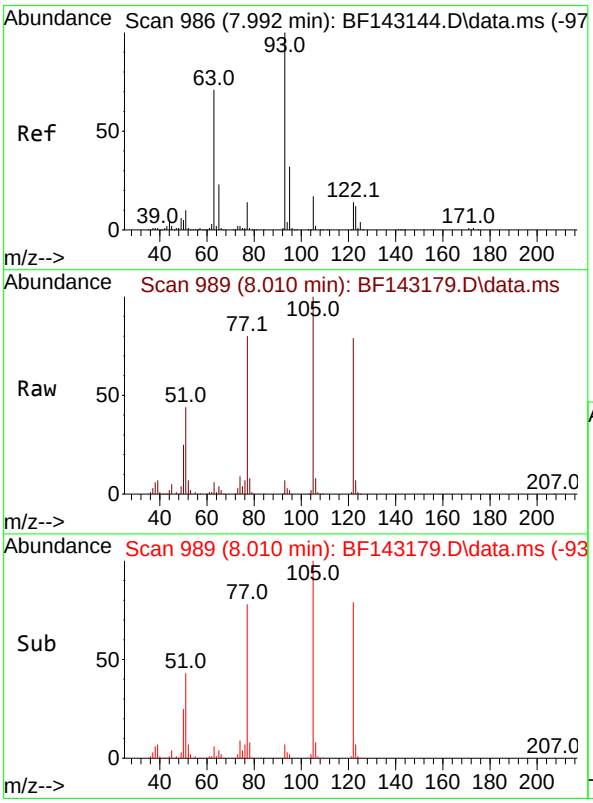
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.3	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

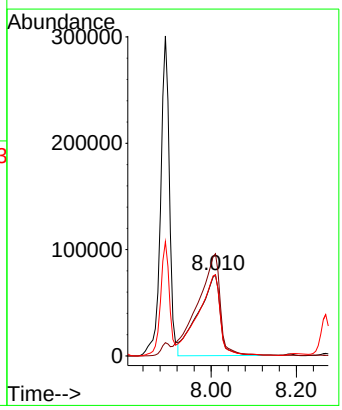
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

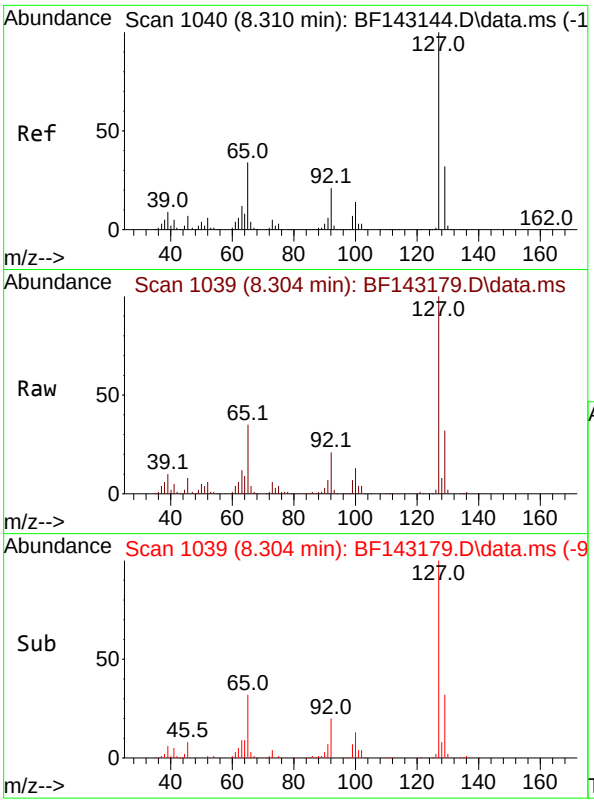


#32
Benzoic acid
Concen: 50.943 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:122 Resp: 275604

Ion	Ratio	Lower	Upper
122	100		
105	126.3	104.8	144.8
77	100.5	77.6	117.6

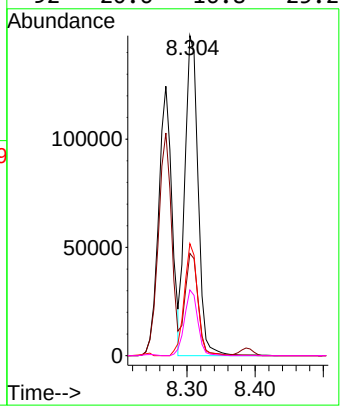




#33
4-Chloroaniline
Concen: 16.978 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:127 Resp: 19680

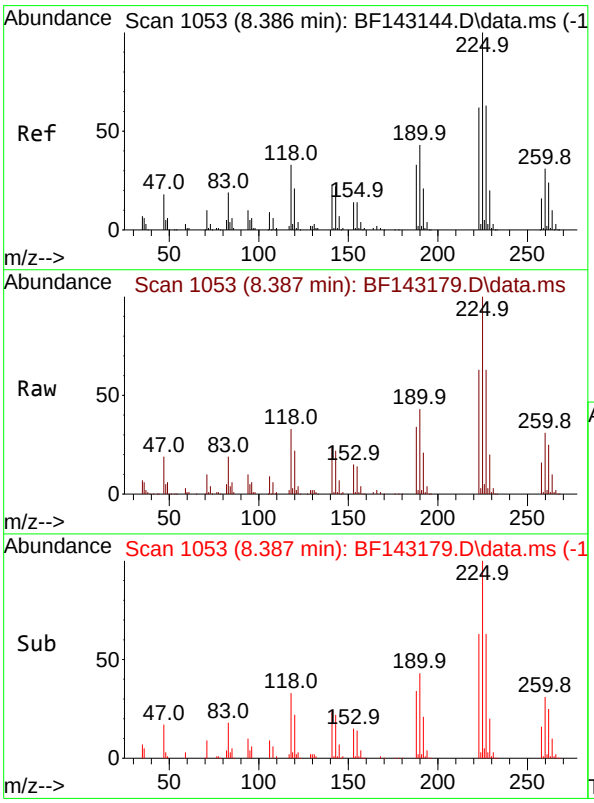
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	35.0	27.4	41.2
92	20.6	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

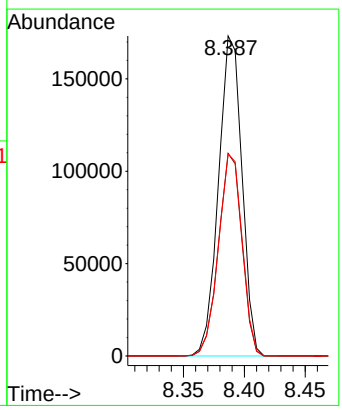
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

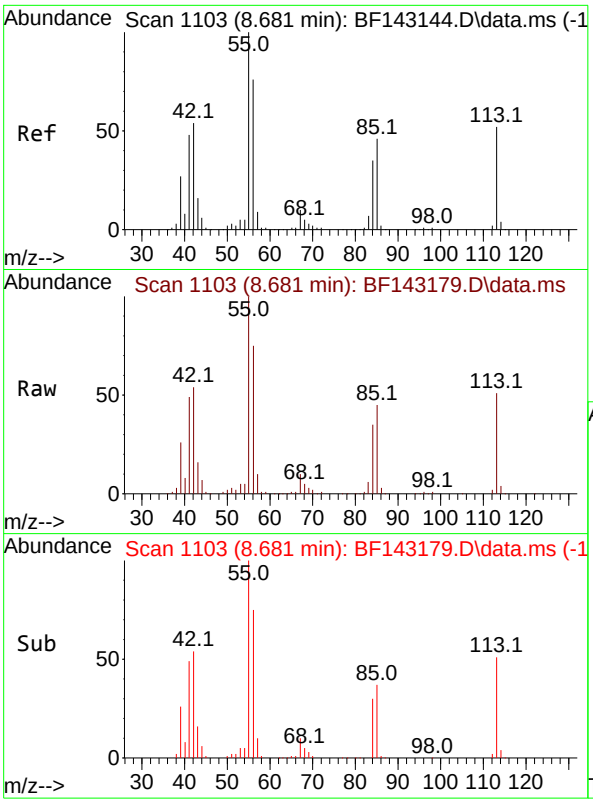


#34
Hexachlorobutadiene
Concen: 43.811 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:225 Resp: 232563

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.6
227	63.2	50.2	75.4

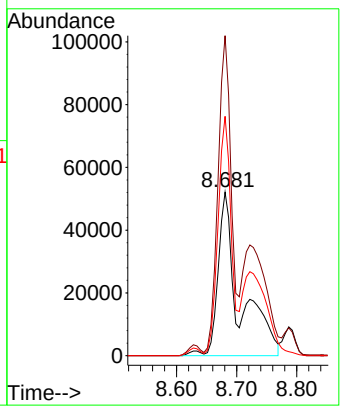




#35
Caprolactam
Concen: 53.398 ng m
RT: 8.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:113 Resp: 12978

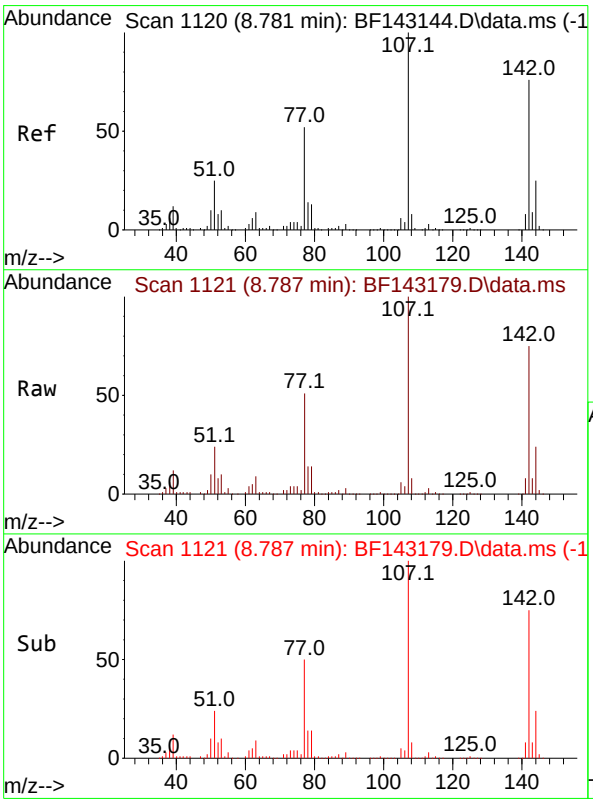
Ion	Ratio	Lower	Upper
113	100		
55	195.7	174.0	214.0
56	146.4	126.6	166.6



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

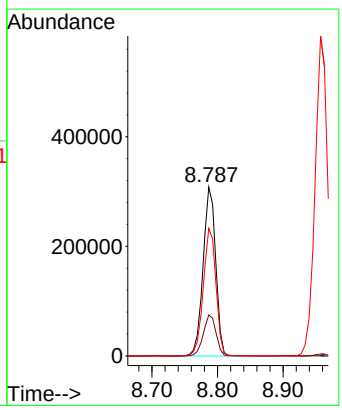
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

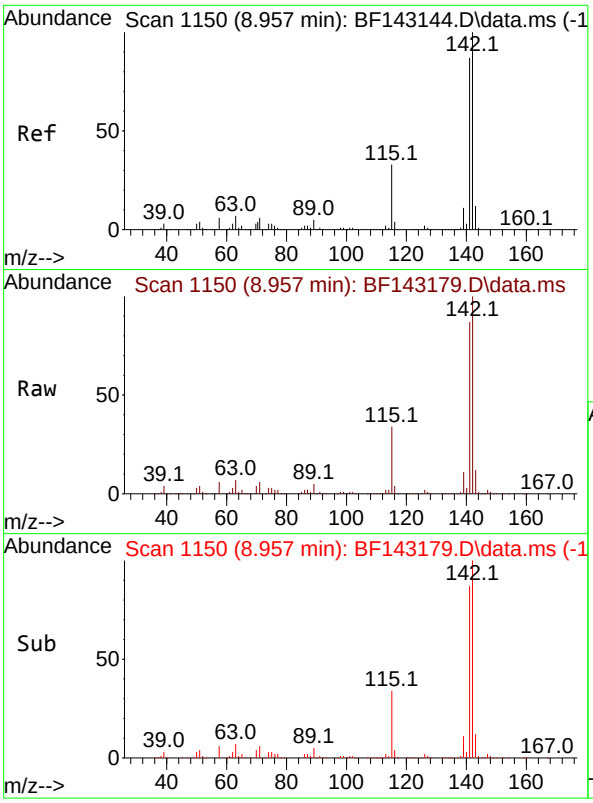


#36
4-Chloro-3-methylphenol
Concen: 47.346 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:107 Resp: 413921

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.8	29.6
142	75.5	60.6	90.8

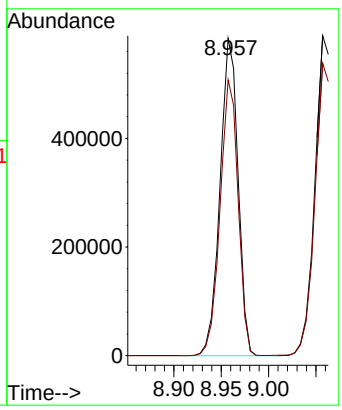




#37
2-Methylnaphthalene
Concen: 44.775 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:142 Resp: 77347

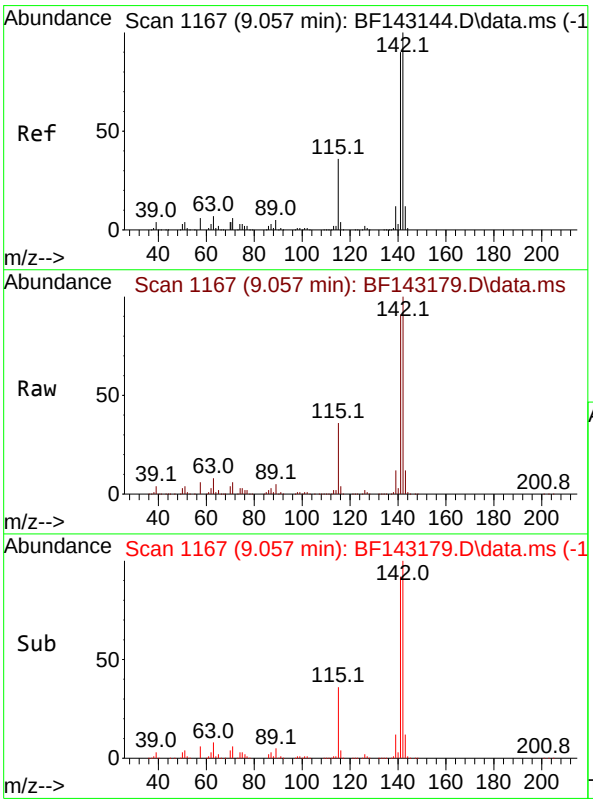
Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.9	104.9



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

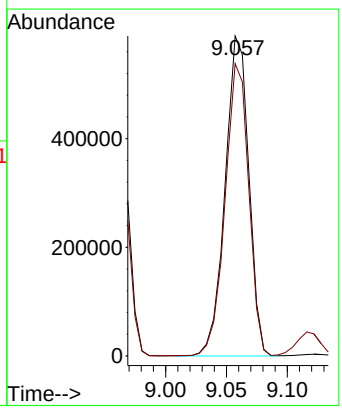
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

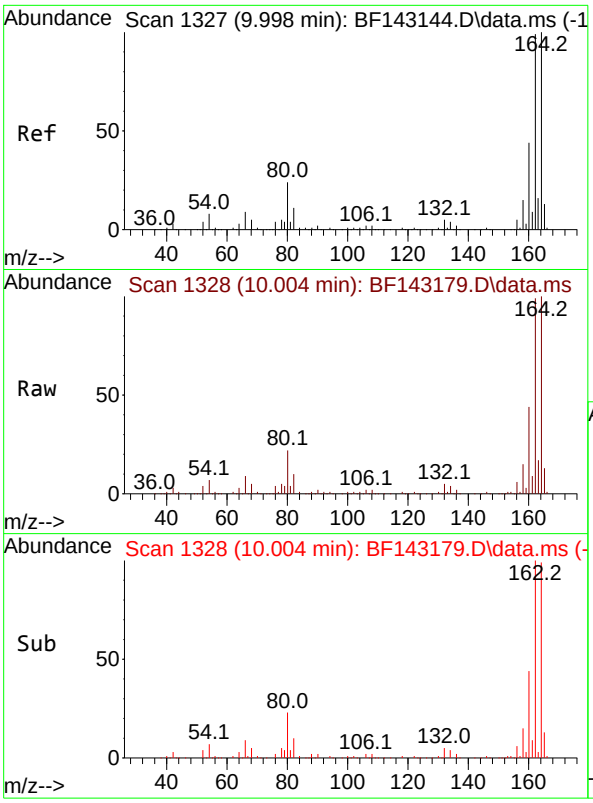


#38
1-Methylnaphthalene
Concen: 44.722 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:142 Resp: 795535

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.3	108.5

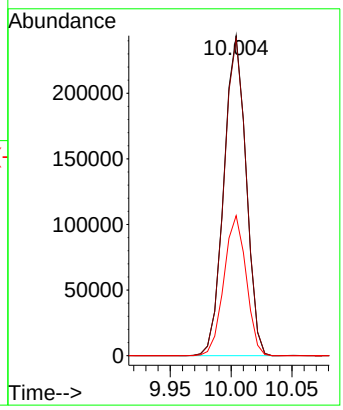




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

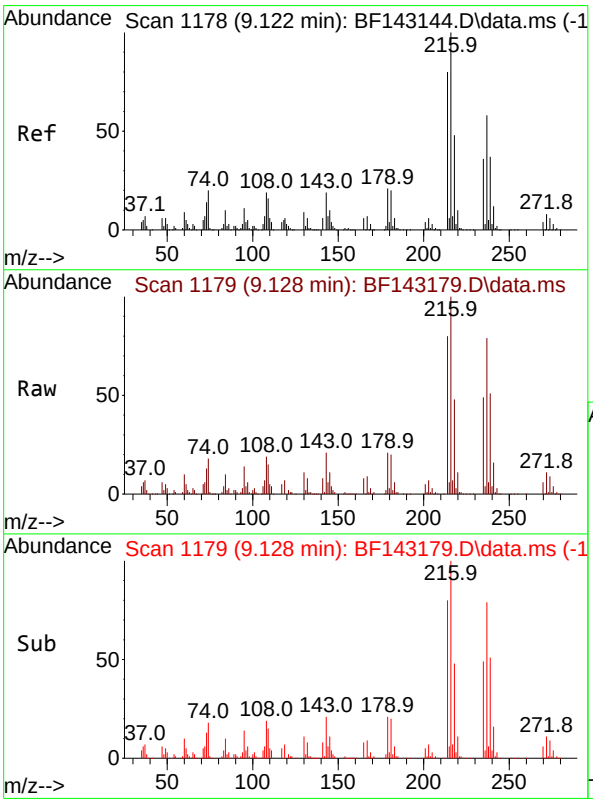
Tgt Ion:164 Resp: 30830

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.0	118.6
160	43.8	35.1	52.7



Instrument :
BNA_F
ClientSampleId :
PB168813BS

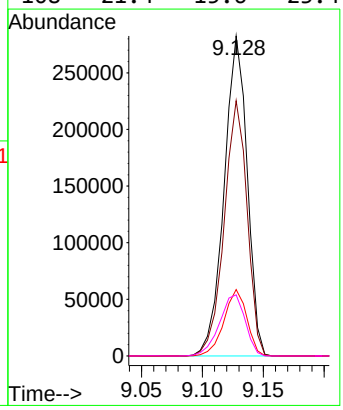
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

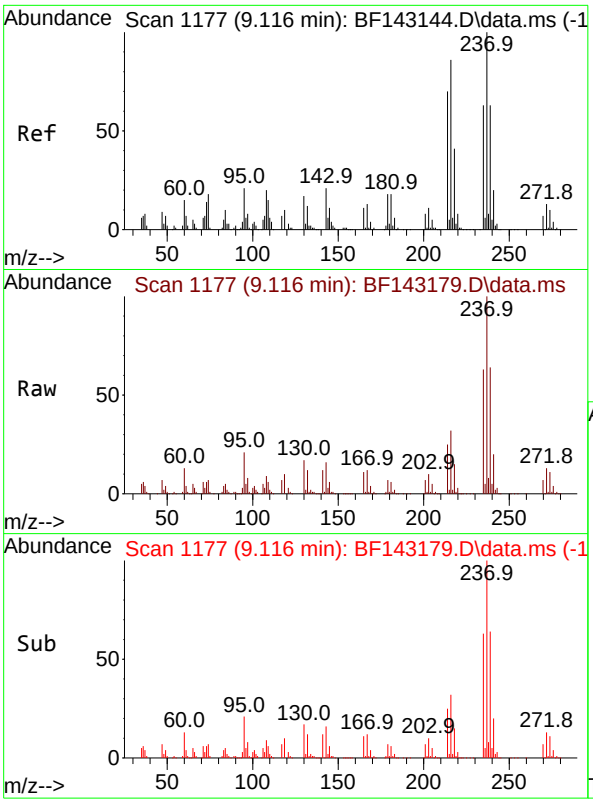


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.800 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:216 Resp: 372068

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.8
179	20.6	16.4	24.6
108	21.4	15.6	23.4

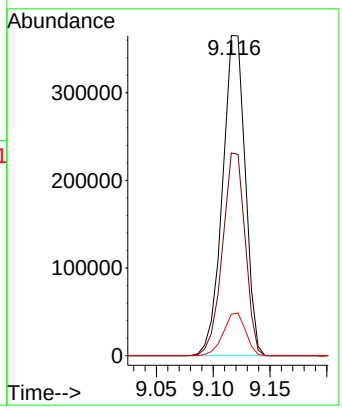




#41
Hexachlorocyclopentadiene
Concen: 87.703 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:237 Resp: 50794

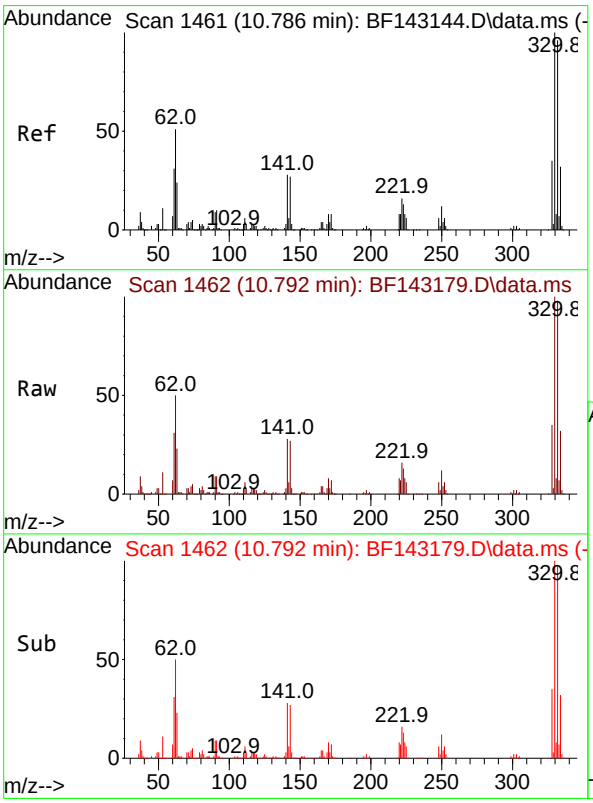
Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.0	83.0
272	13.0	0.0	33.3



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

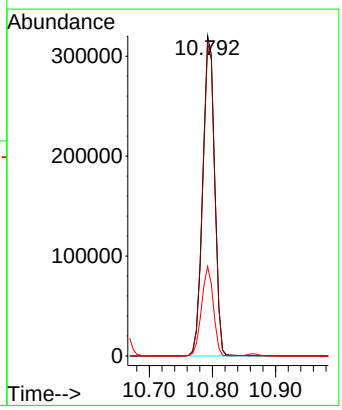
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

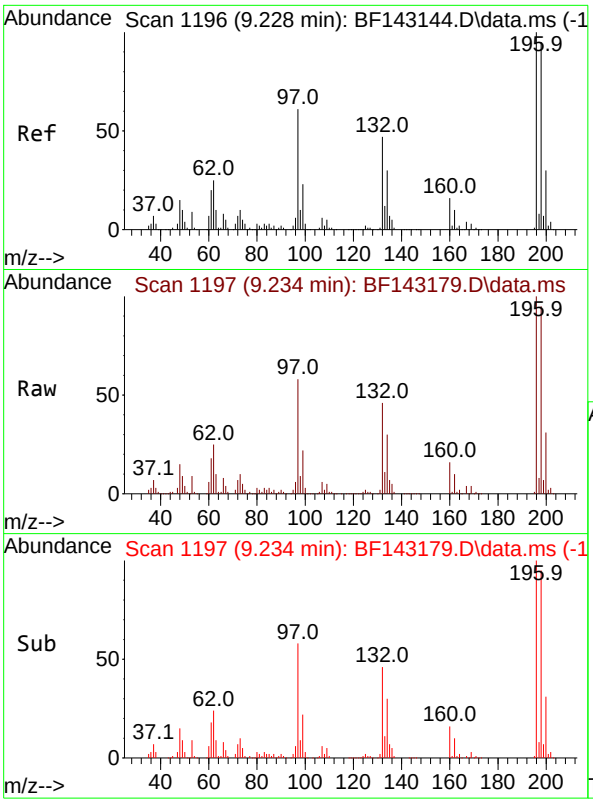


#42
2,4,6-Tribromophenol
Concen: 131.675 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:330 Resp: 419377

Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.7	115.1
141	27.7	23.3	34.9

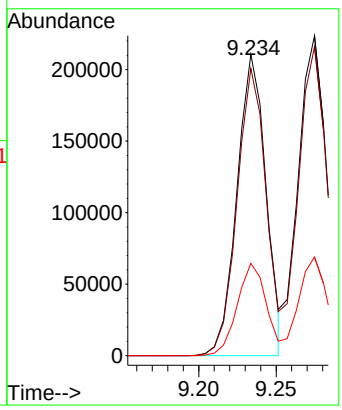




#43
2,4,6-Trichlorophenol
Concen: 44.464 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:196 Resp: 27390

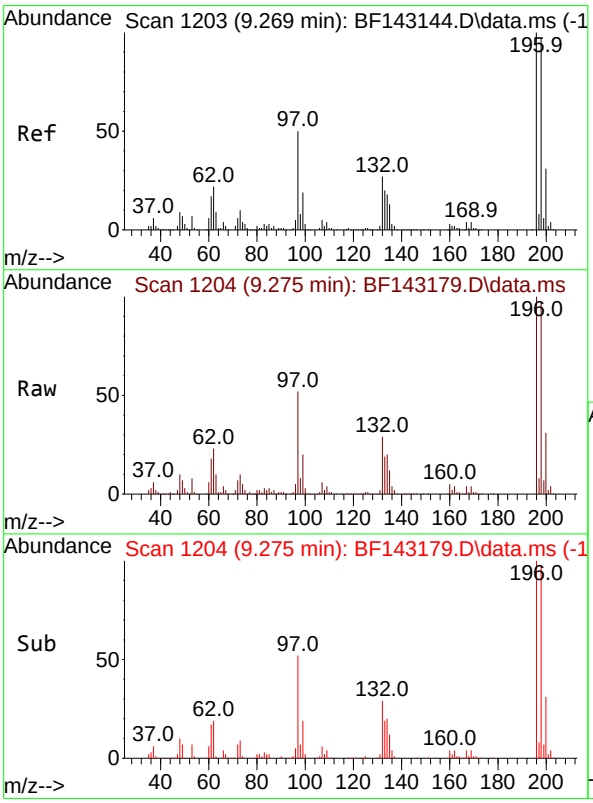
Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.2	114.2
200	30.7	23.9	35.9



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

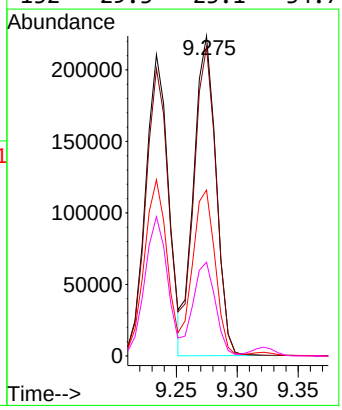
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

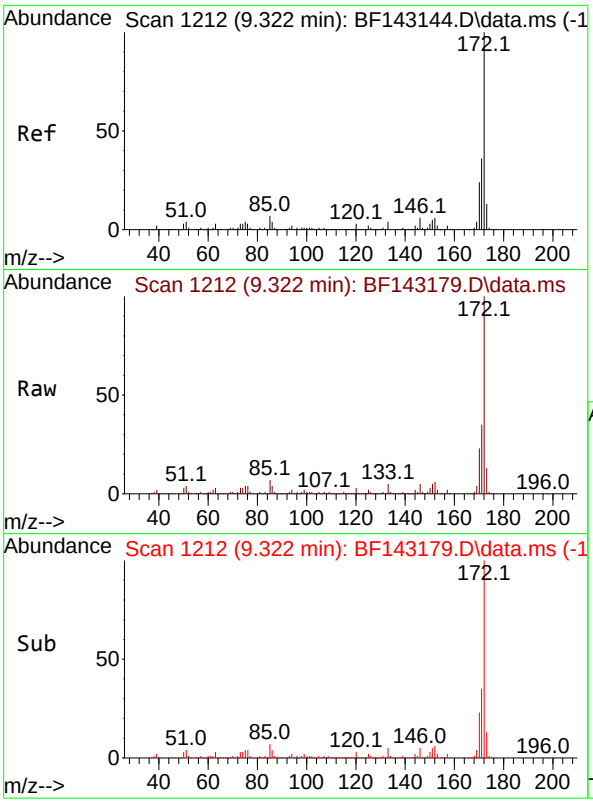


#44
2,4,5-Trichlorophenol
Concen: 46.193 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:196 Resp: 284651

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	51.8	40.3	60.5
132	29.3	23.1	34.7

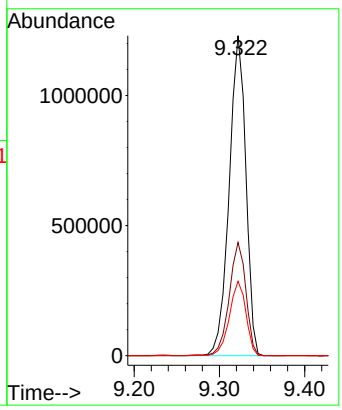




#45
2-Fluorobiphenyl
Concen: 74.110 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:172 Resp: 167065

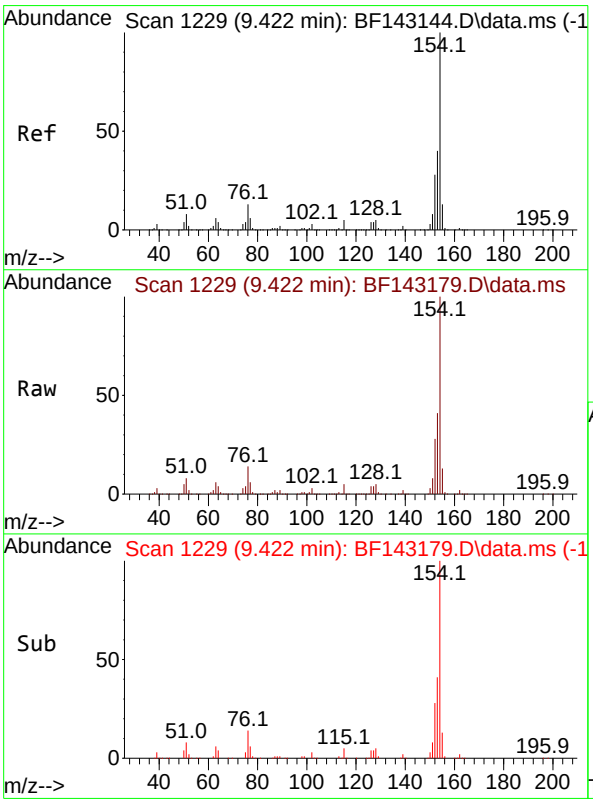
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.3	18.8	28.2



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

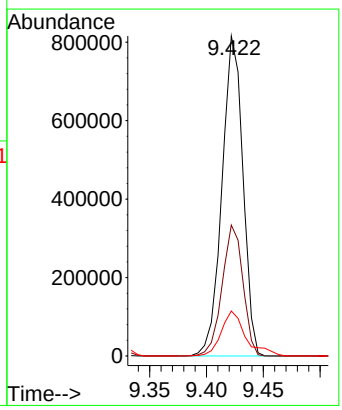
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

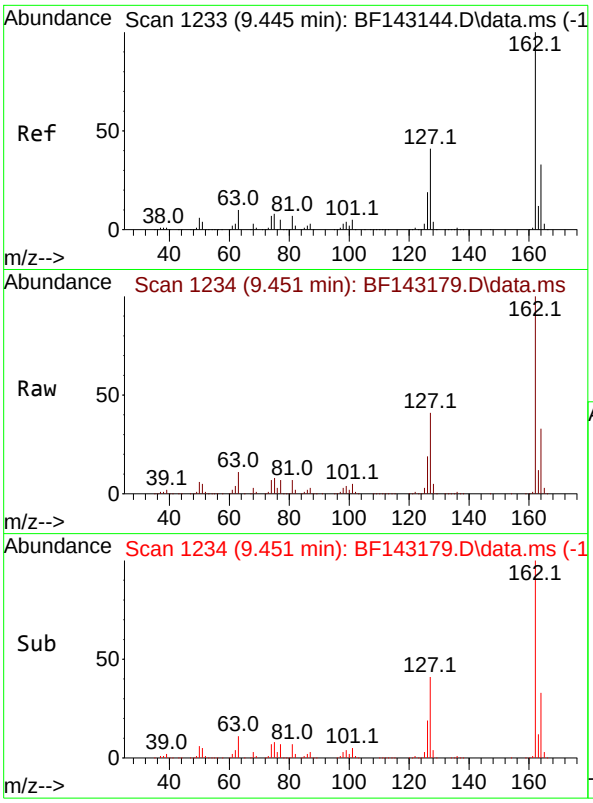


#46
1,1'-Biphenyl
Concen: 43.521 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 1046849

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	14.0	0.0	33.3

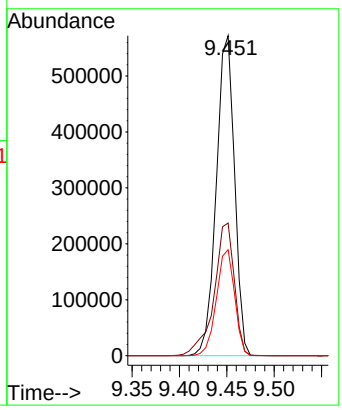




#47
2-Chloronaphthalene
Concen: 43.035 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:162 Resp: 76593

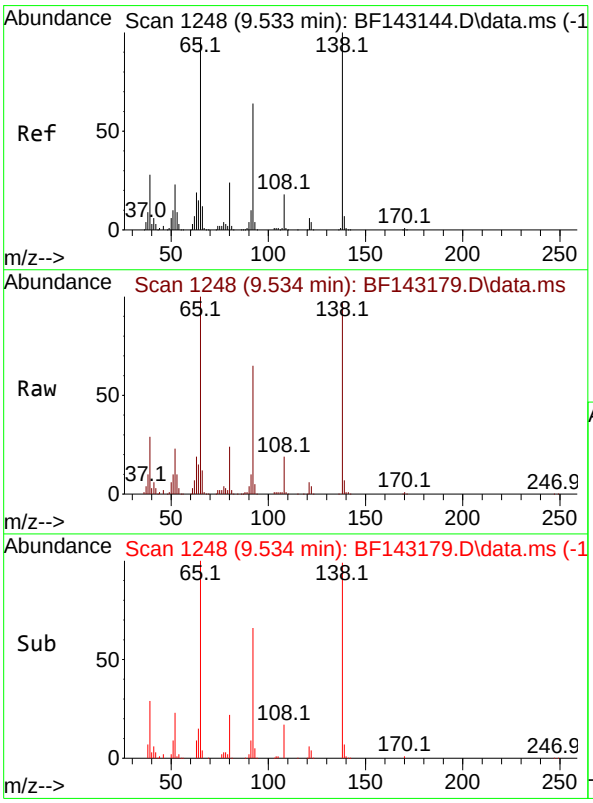
Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	33.1	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

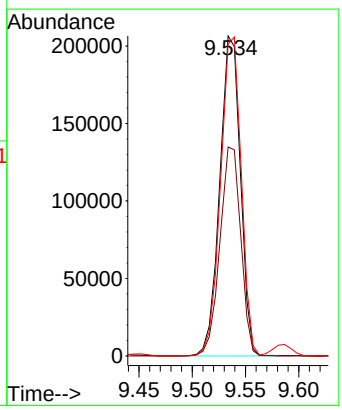
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

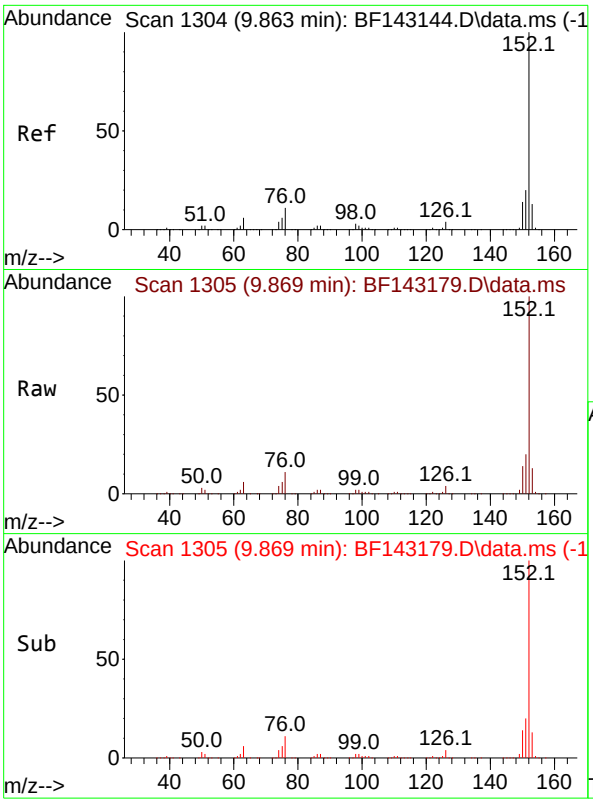


#48
2-Nitroaniline
Concen: 49.756 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 65 Resp: 277706

Ion	Ratio	Lower	Upper
65	100		
92	65.3	52.4	78.6
138	97.4	82.3	123.5

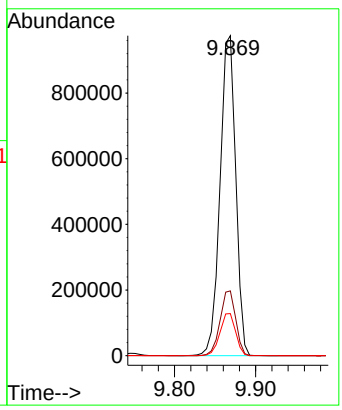




#49
Acenaphthylene
Concen: 43.980 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:152 Resp: 131178

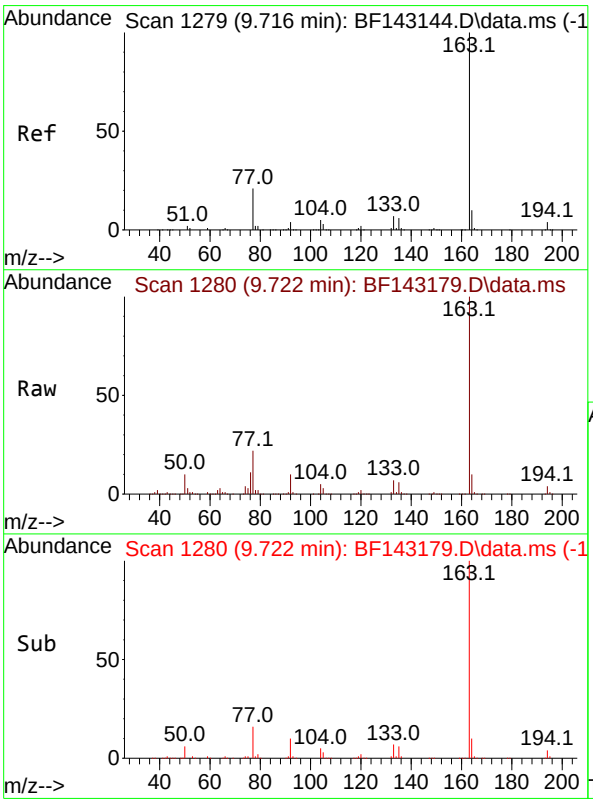
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.2	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

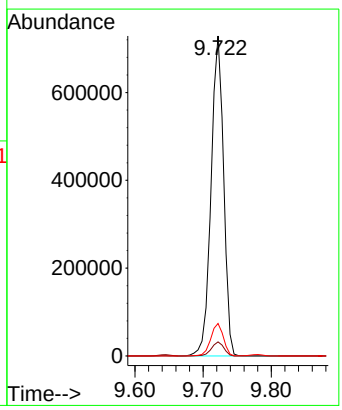
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

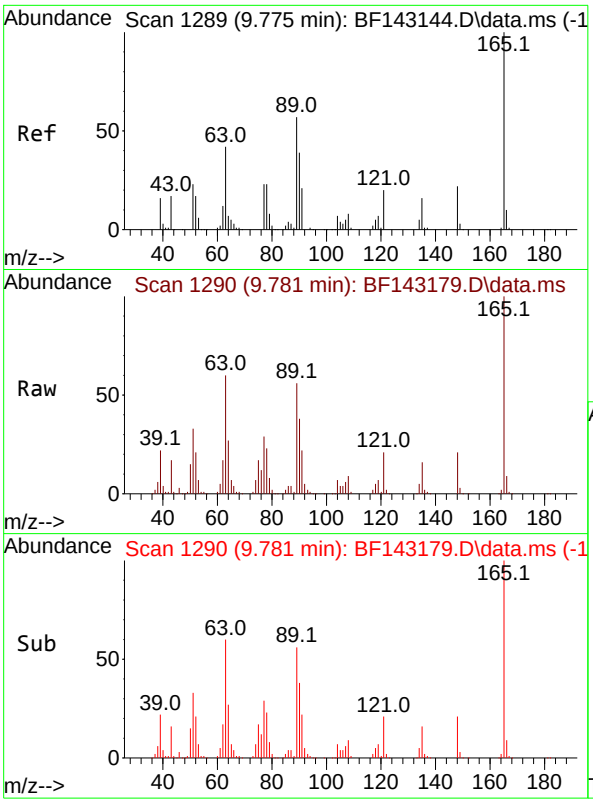


#50
Dimethylphthalate
Concen: 46.478 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:163 Resp: 934025

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.3	12.5

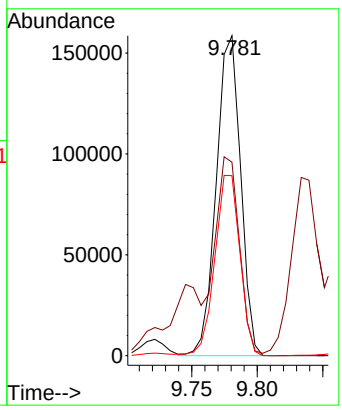




#51
2,6-Dinitrotoluene
Concen: 50.140 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:165 Resp: 20497

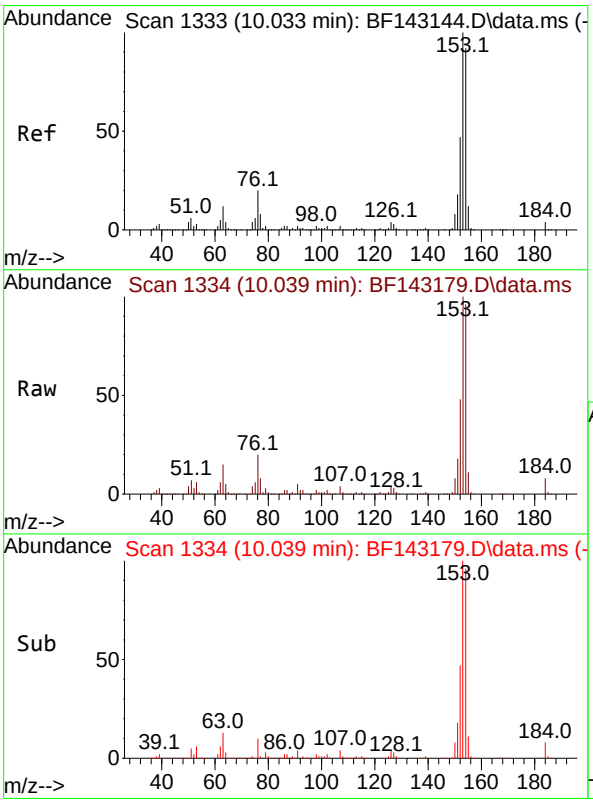
Ion	Ratio	Lower	Upper
165	100		
63	60.5	49.4	74.2
89	56.3	46.2	69.2



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

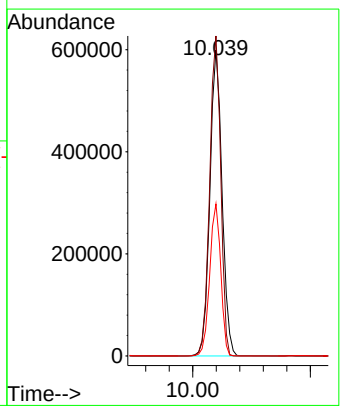
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

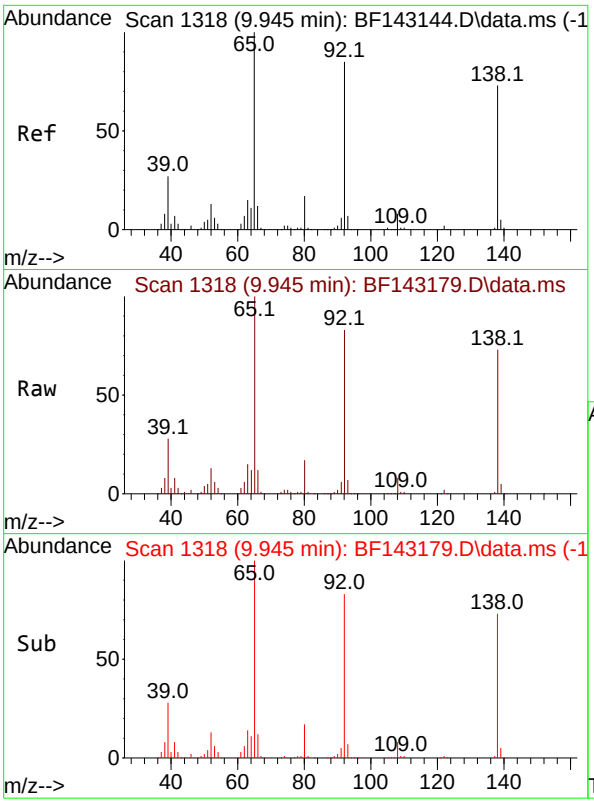


#52
Acenaphthene
Concen: 48.681 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 858201

Ion	Ratio	Lower	Upper
154	100		
153	104.6	86.6	129.8
152	49.7	40.4	60.6

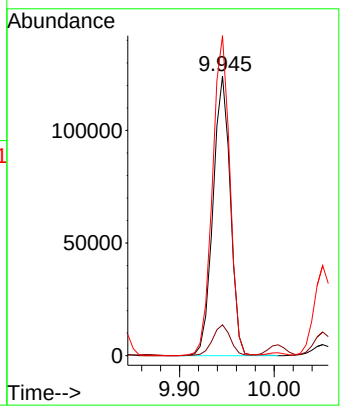




#53
3-Nitroaniline
Concen: 32.928 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:138 Resp: 15745

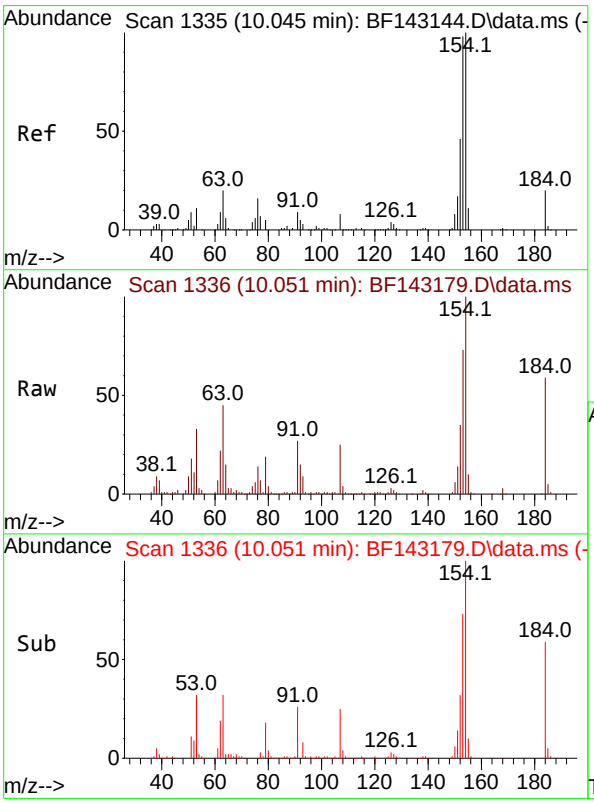
Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.6
92	114.4	93.0	139.4



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

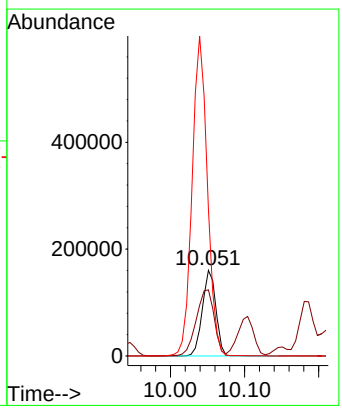
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

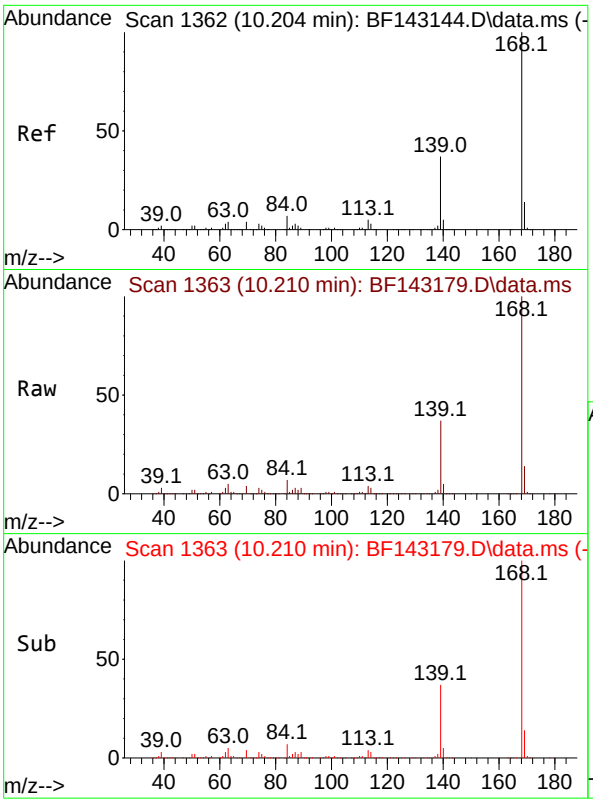


#54
2,4-Dinitrophenol
Concen: 107.647 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:184 Resp: 204107

Ion	Ratio	Lower	Upper
184	100		
63	77.2	81.8	122.6#
154	170.9	412.2	618.4#

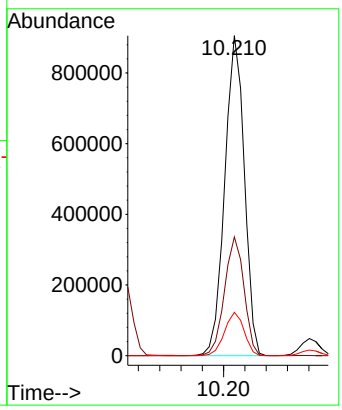




#55
Dibenzofuran
Concen: 44.122 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:168 Resp: 115484

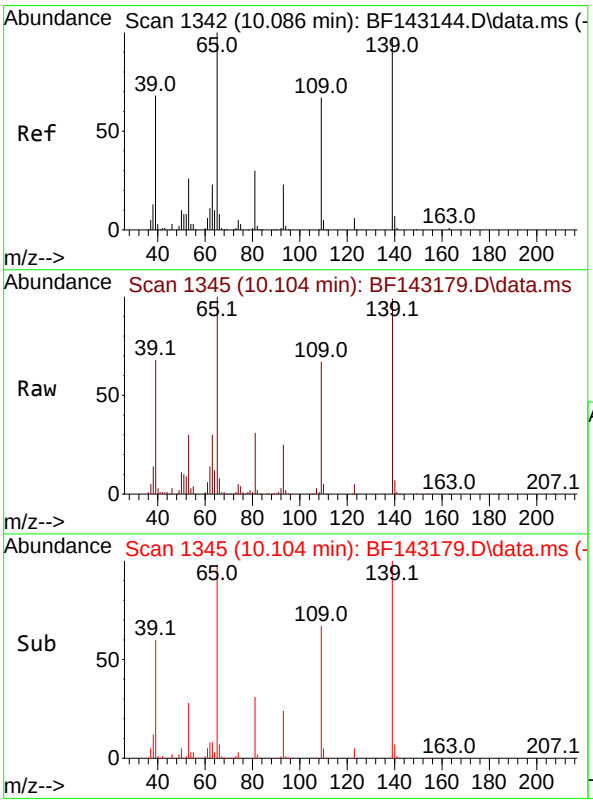
Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.5	44.3
169	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

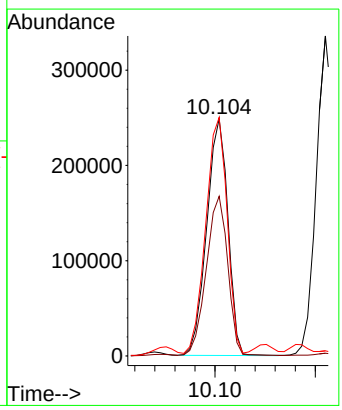
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

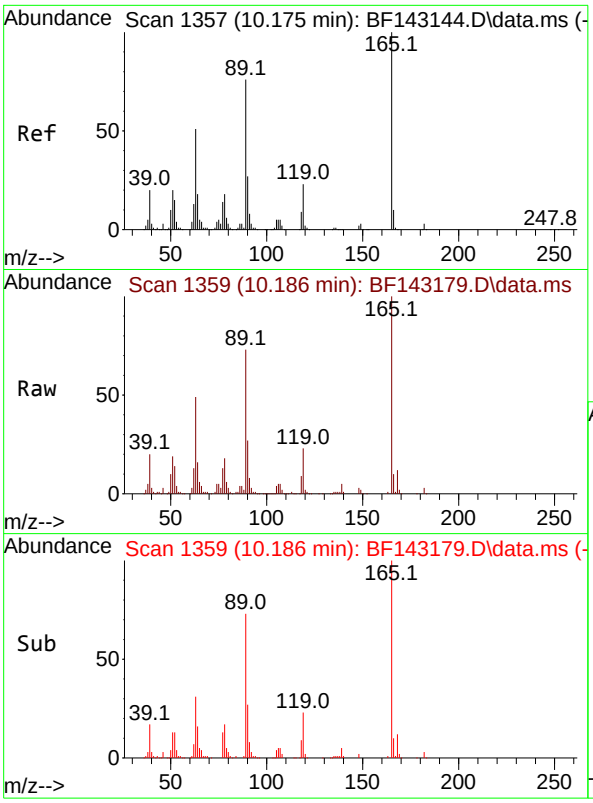


#56
4-Nitrophenol
Concen: 102.167 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:139 Resp: 364810

Ion	Ratio	Lower	Upper
139	100		
109	67.4	48.5	88.5
65	100.6	83.4	123.4

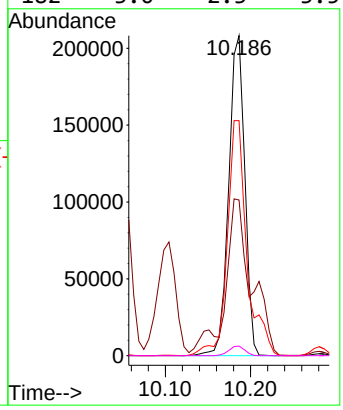




#57
2,4-Dinitrotoluene
Concen: 53.412 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

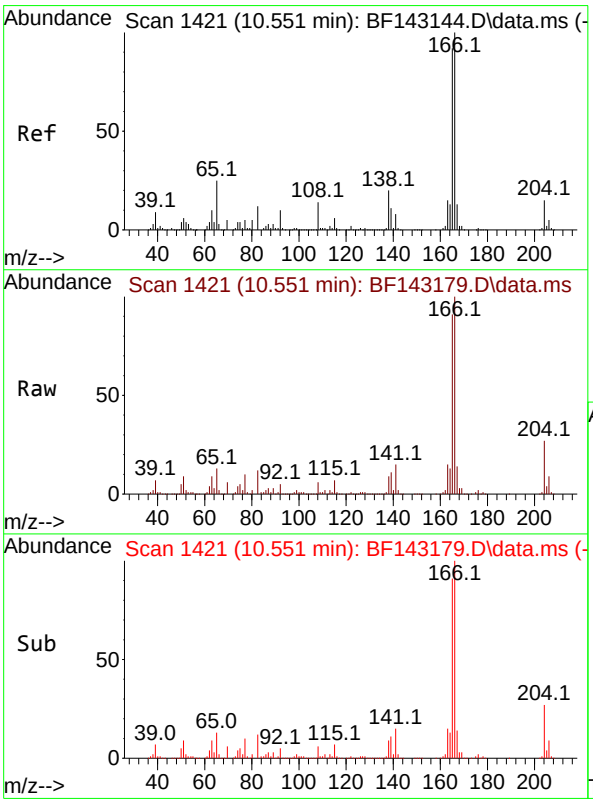
Tgt Ion:165 Resp: 27395

Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	73.4	61.1	91.7
182	3.0	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
PB168813BS

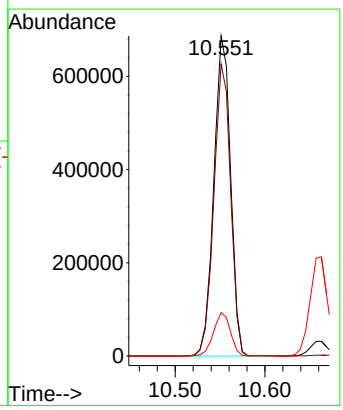
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

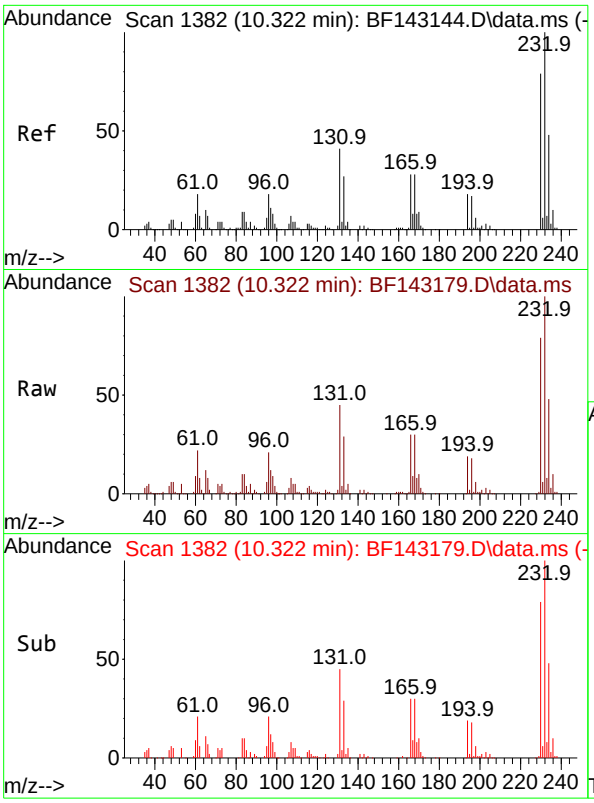


#58
Fluorene
Concen: 45.279 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:166 Resp: 889443

Ion	Ratio	Lower	Upper
166	100		
165	91.2	73.7	110.5
167	13.6	10.6	16.0

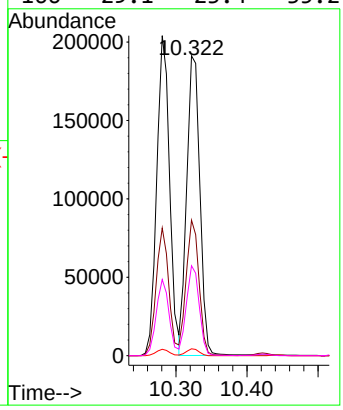




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.390 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:232 Resp: 24700

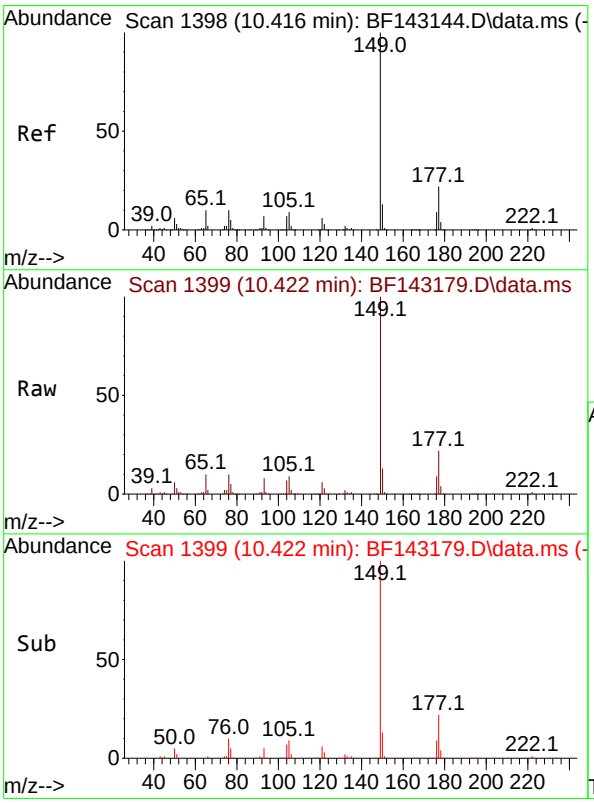
Ion	Ratio	Lower	Upper
232	100		
131	43.6	35.3	52.9
130	2.2	1.7	2.5
166	29.1	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

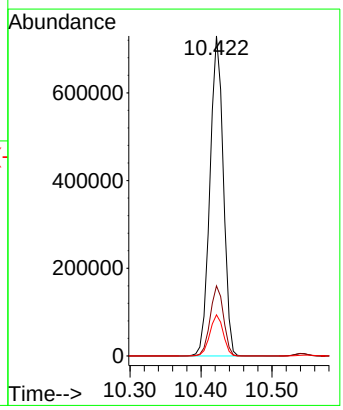
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

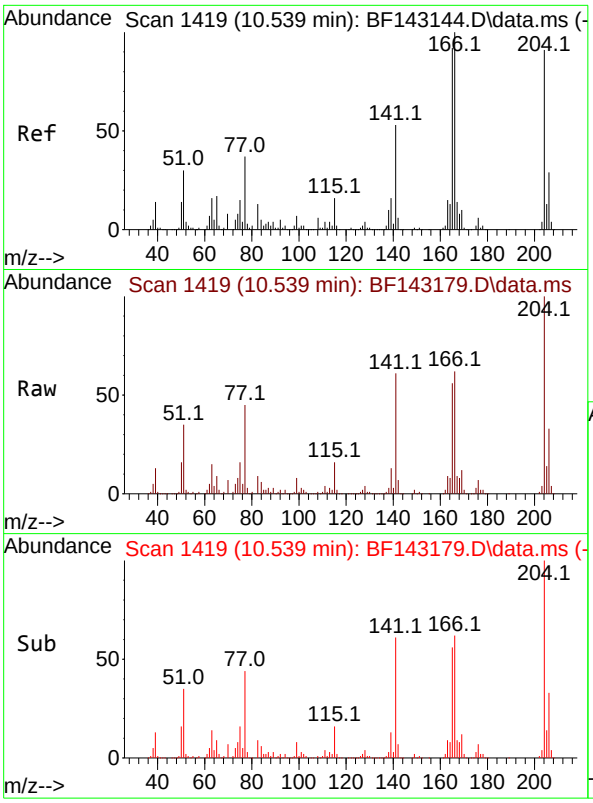


#60
Diethylphthalate
Concen: 48.030 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 954021

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.9	10.2	15.2

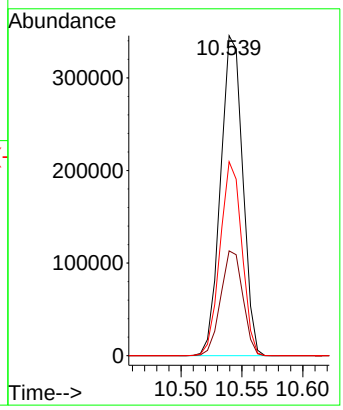




#61
4-Chlorophenyl-phenylether
Concen: 44.778 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:204 Resp: 43799

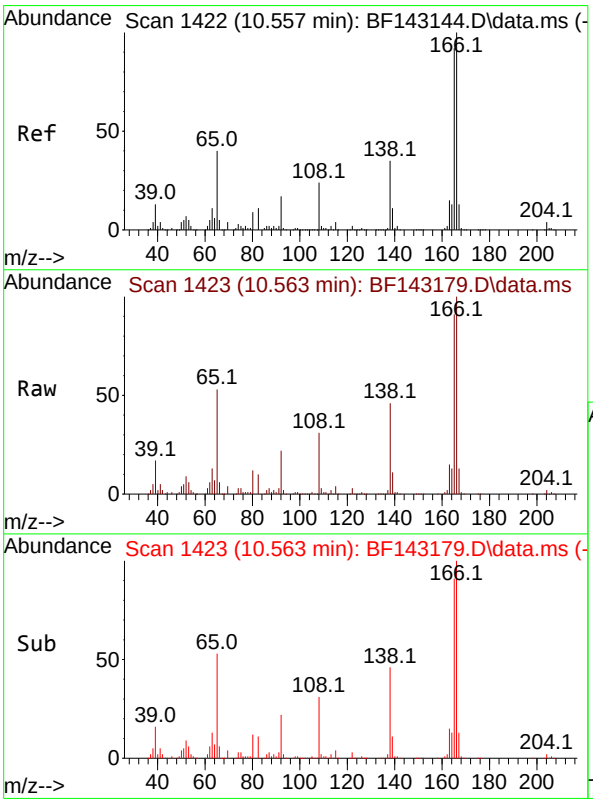
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	60.6	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

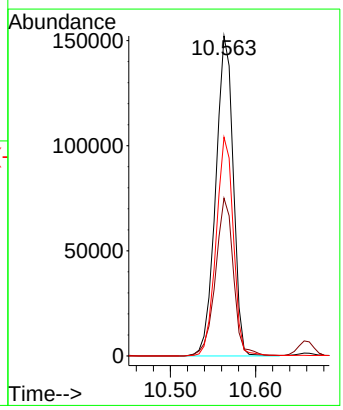
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

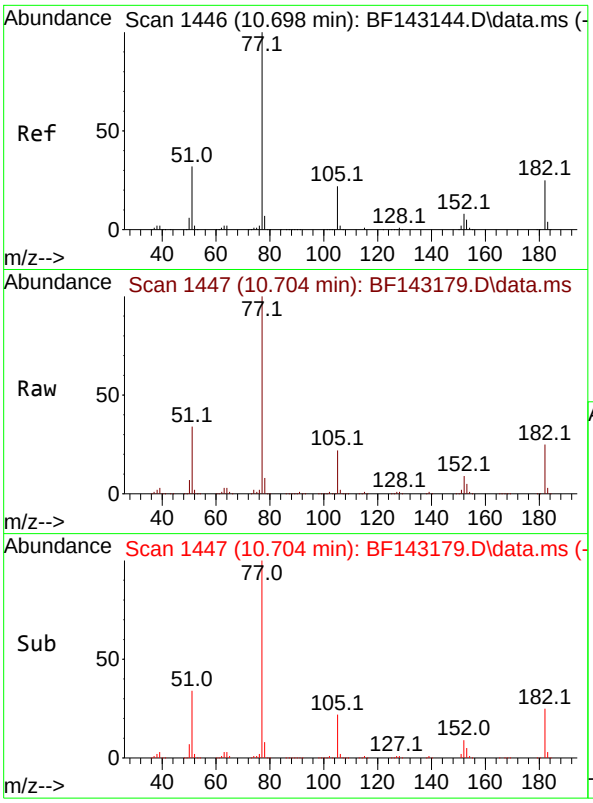


#62
4-Nitroaniline
Concen: 53.103 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:138 Resp: 217627

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	68.4	48.3	88.3





#63
Azobenzene
Concen: 46.773 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

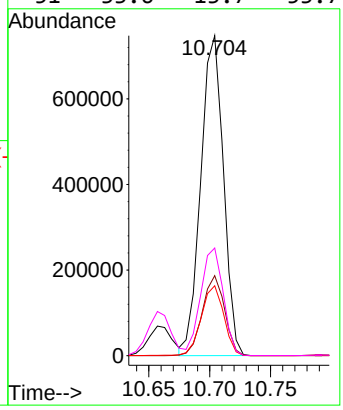
Instrument :
BNA_F
ClientSampleId :
PB168813BS

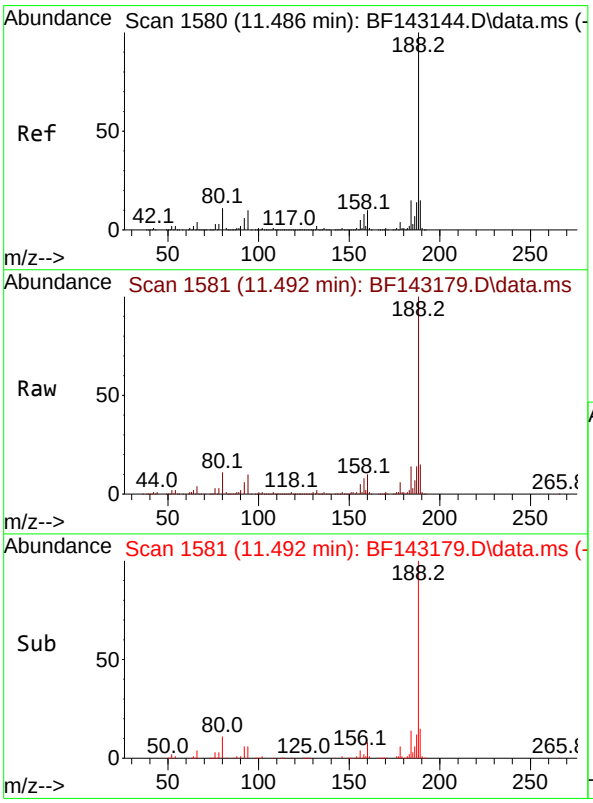
Tgt Ion: 77 Resp: 96828

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.6	44.6
105	21.8	1.4	41.4
51	33.6	13.7	53.7

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

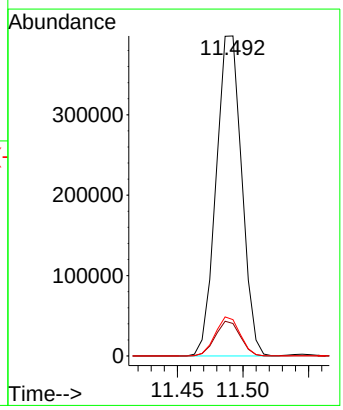


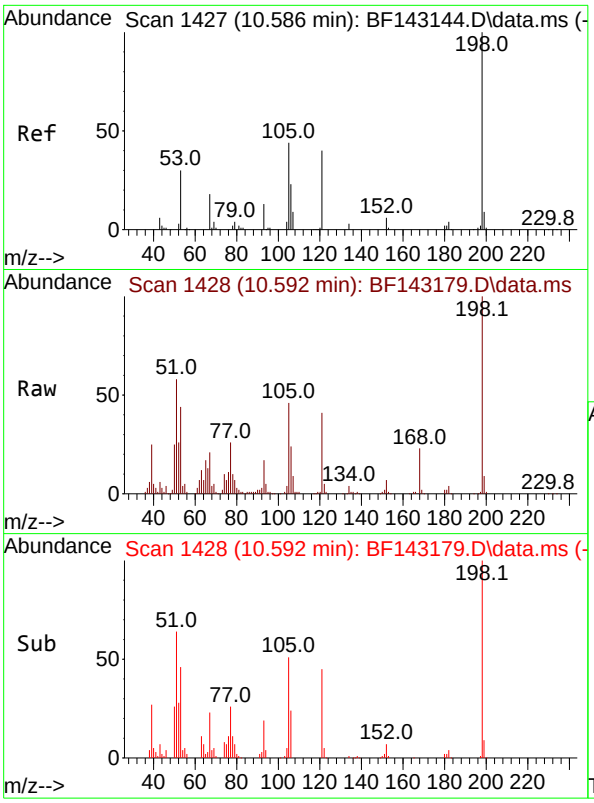


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:188 Resp: 540032

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.3	12.5
80	11.3	9.0	13.6

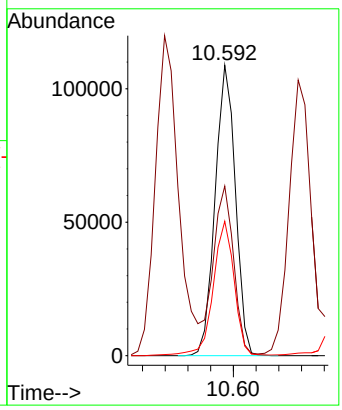




#65
4,6-Dinitro-2-methylphenol
Concen: 47.684 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:198 Resp: 13487

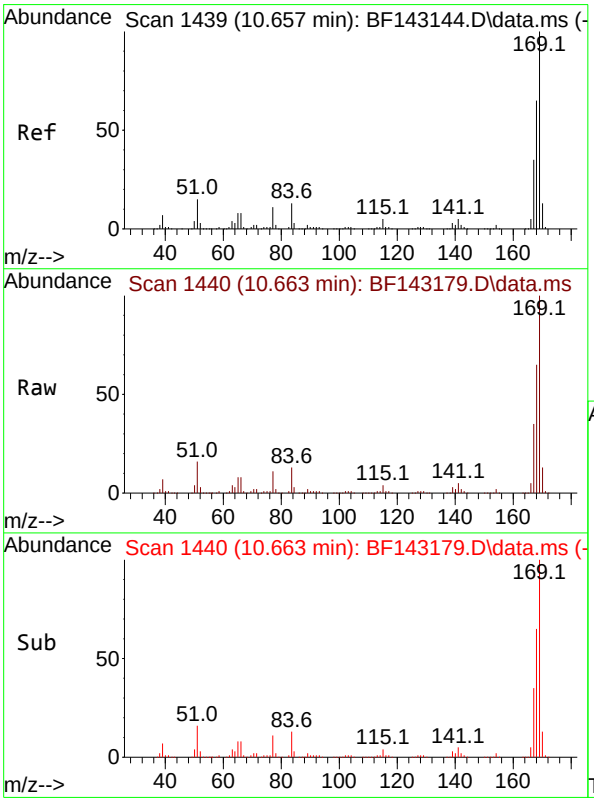
Ion	Ratio	Lower	Upper
198	100		
51	58.4	37.2	77.2
105	46.3	24.8	64.8



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

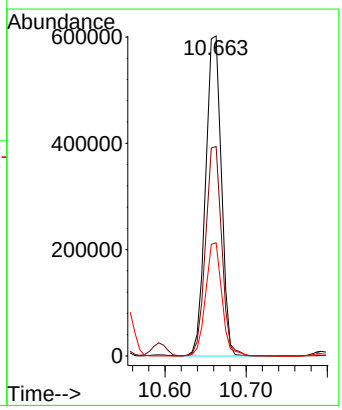
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

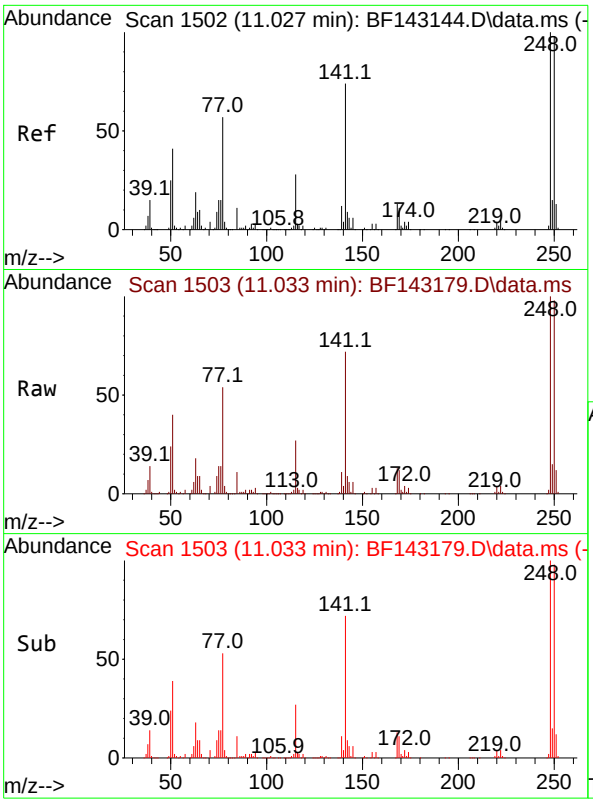


#66
n-Nitrosodiphenylamine
Concen: 42.574 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:169 Resp: 809593

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.1	78.1
167	35.3	28.2	42.2

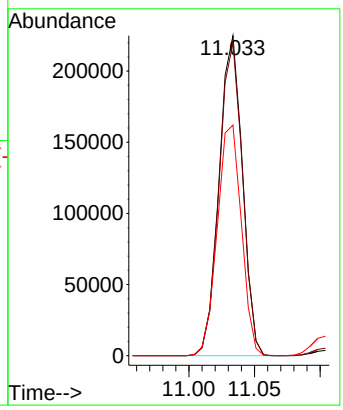




#67
4-Bromophenyl-phenylether
Concen: 43.267 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:248 Resp: 27845

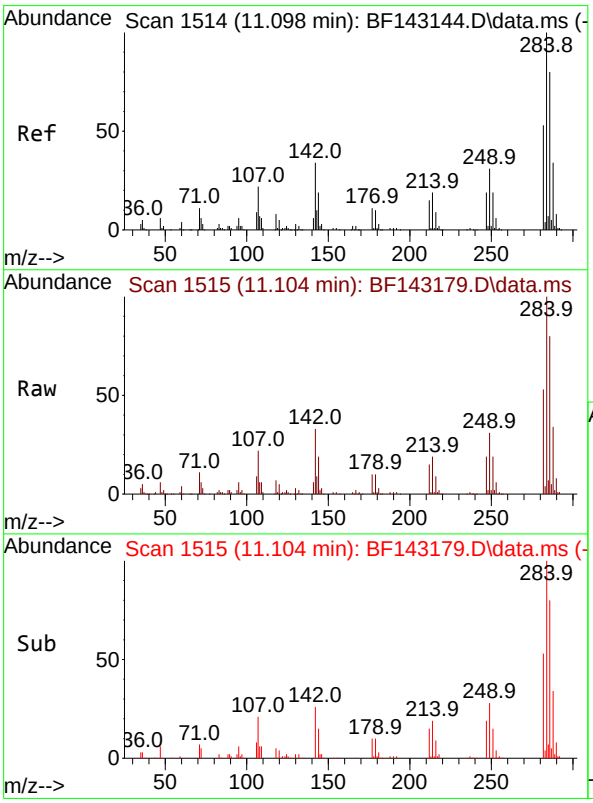
Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.3	117.5
141	72.1	59.2	88.8



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED

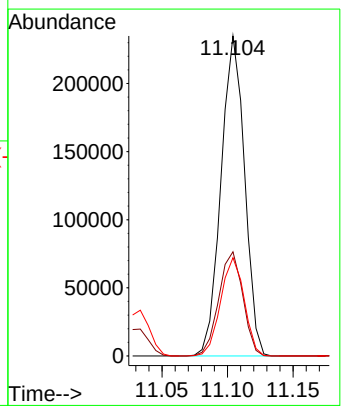
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

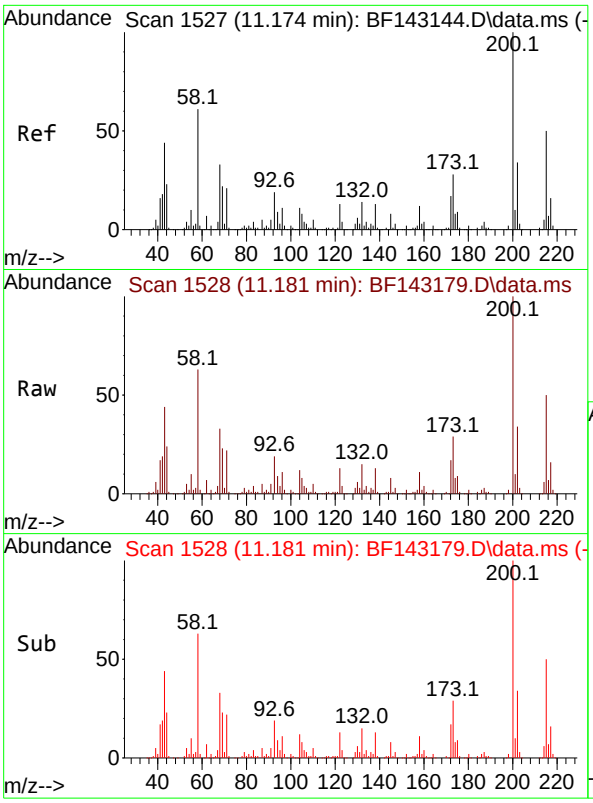


#68
Hexachlorobenzene
Concen: 43.557 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:284 Resp: 292998

Ion	Ratio	Lower	Upper
284	100		
142	32.6	27.0	40.6
249	30.7	25.0	37.6

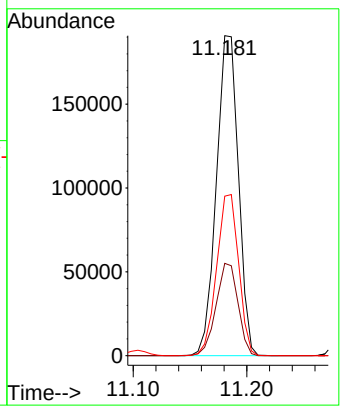




#69
Atrazine
Concen: 49.071 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:200 Resp: 25725

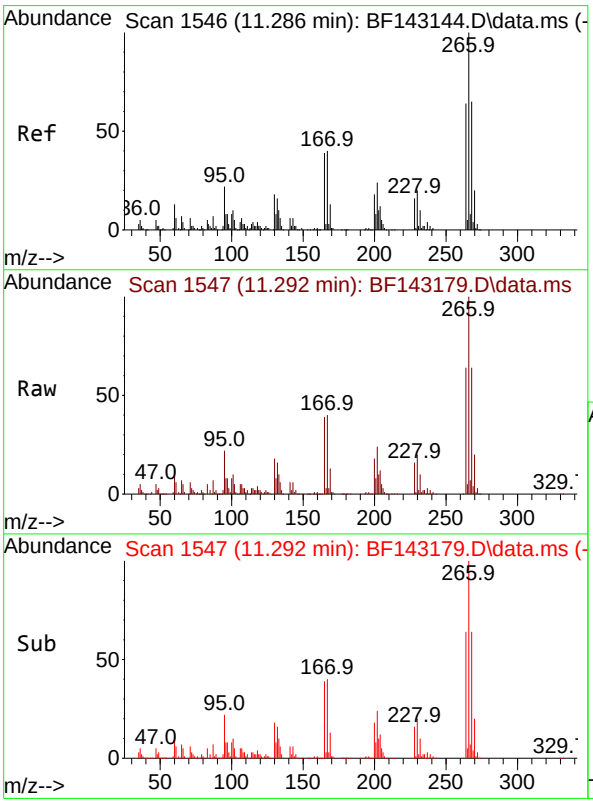
Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.9	47.9
215	49.8	30.1	70.1



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

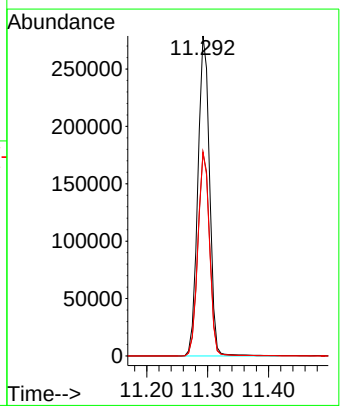
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

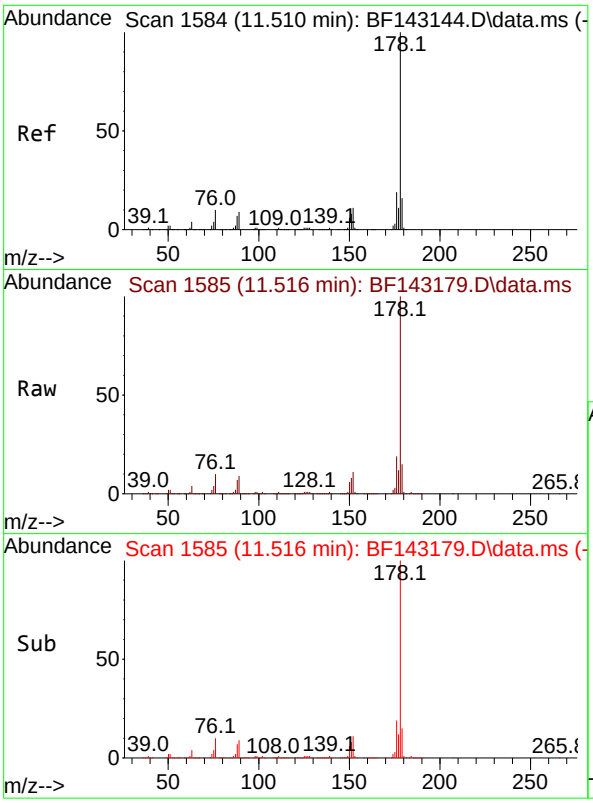


#70
Pentachlorophenol
Concen: 93.487 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:266 Resp: 369820

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.9	77.9
264	63.6	51.0	76.6

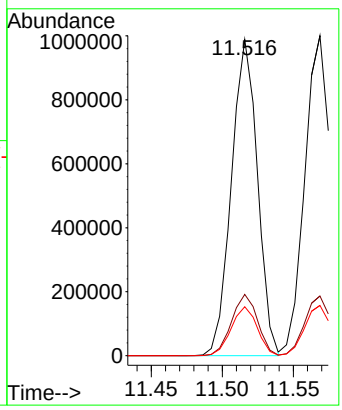




#71
Phenanthrene
Concen: 43.992 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:178 Resp: 126141

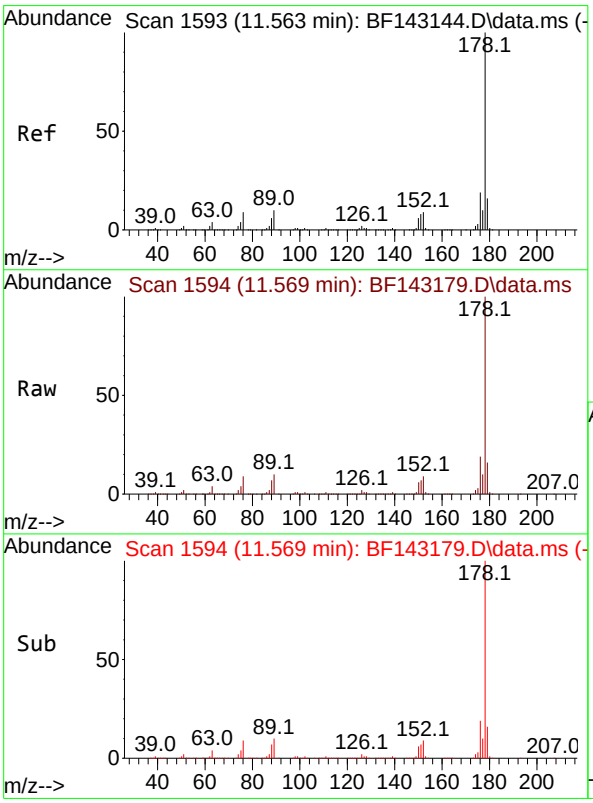
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

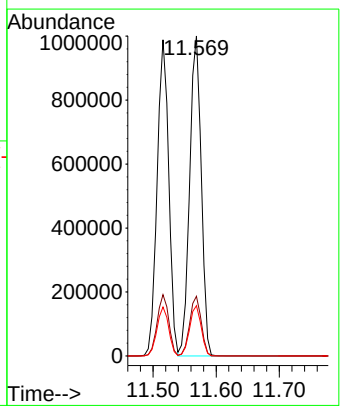
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

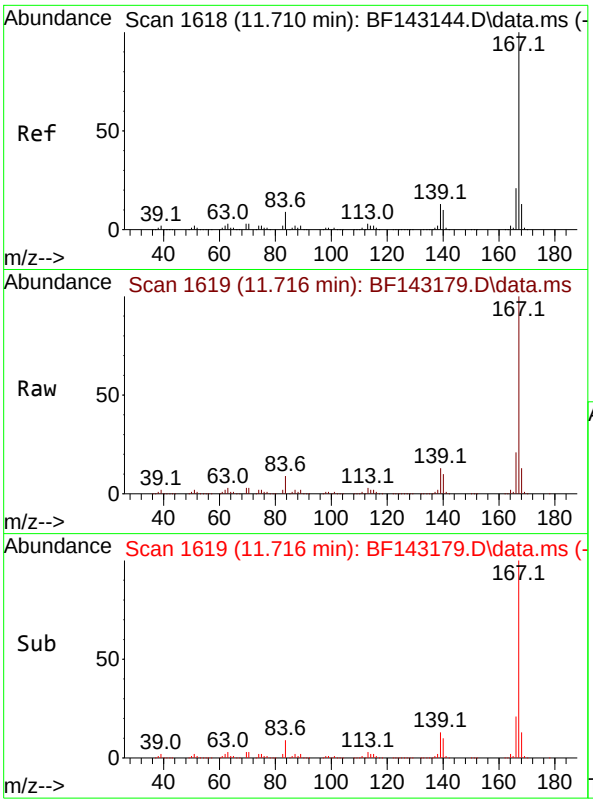


#72
Anthracene
Concen: 43.585 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:178 Resp: 1274603

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.5	18.7

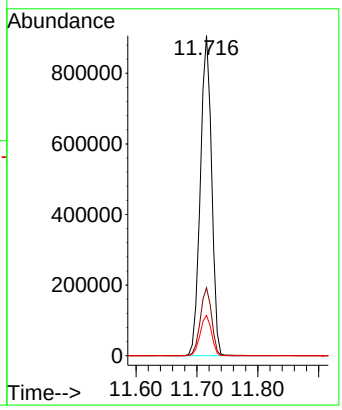




#73
Carbazole
Concen: 45.721 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:167 Resp: 116751

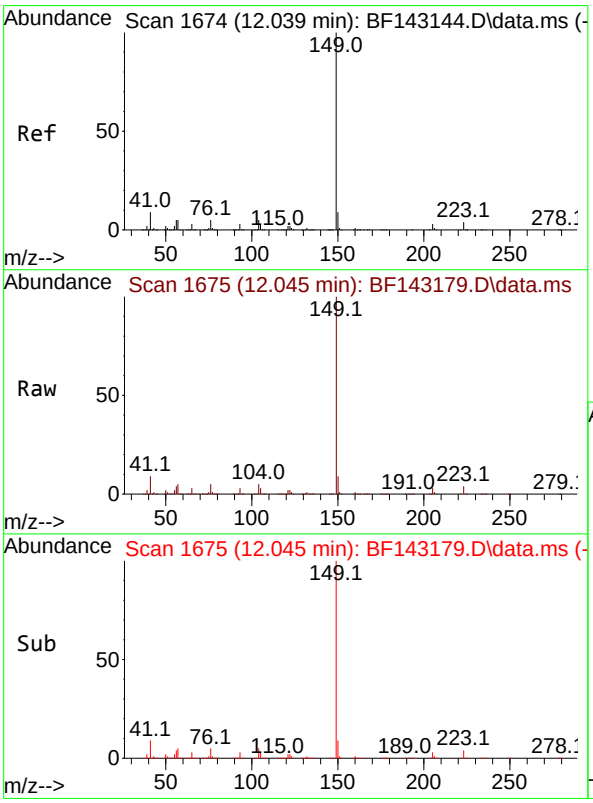
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.6	10.0	15.0



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

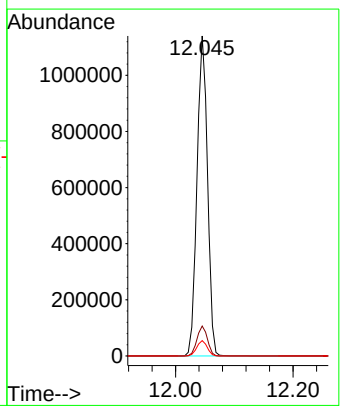
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

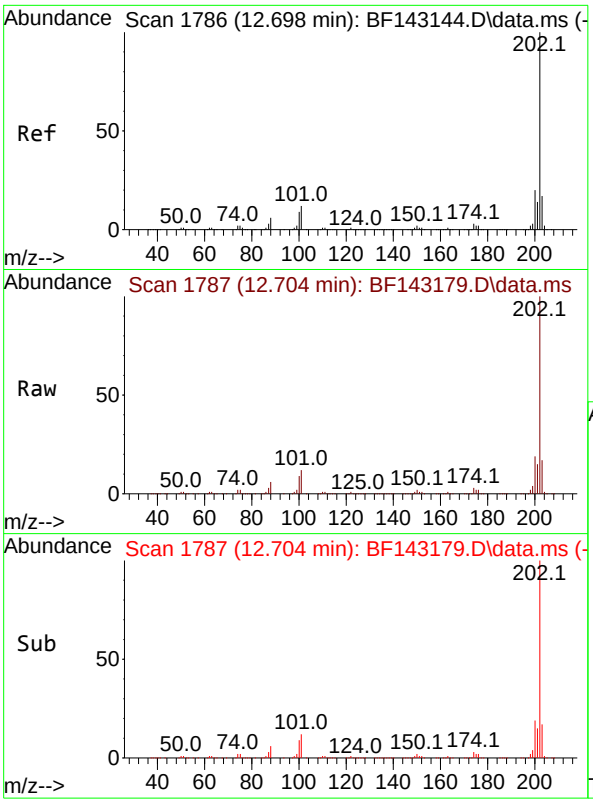


#74
Di-n-butylphthalate
Concen: 48.912 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 1413258

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.8	3.8	5.8





#75
Fluoranthene
Concen: 48.349 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

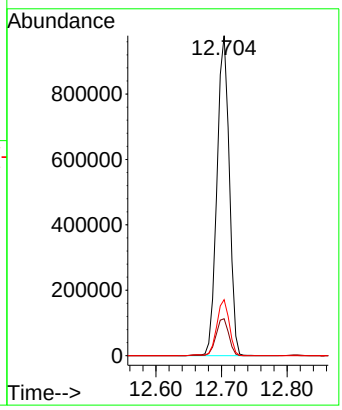
Tgt Ion:202 Resp: 127250

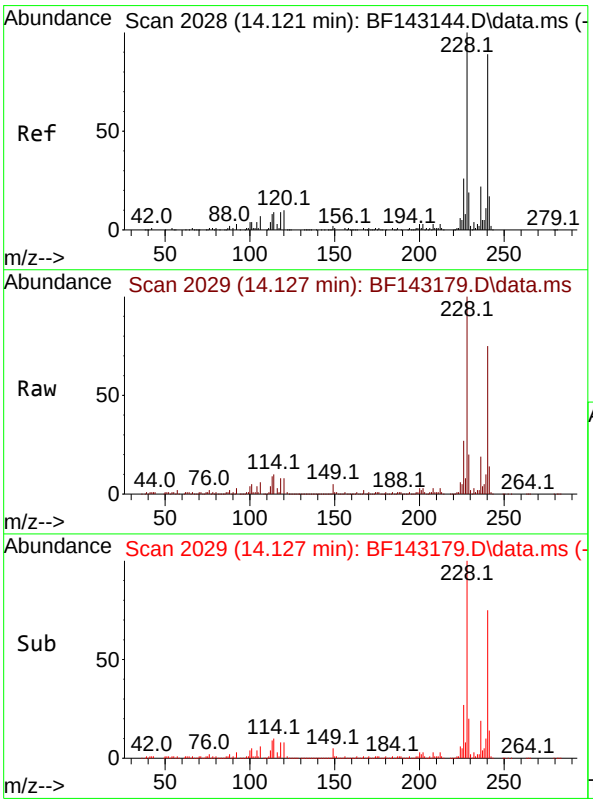
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.5	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

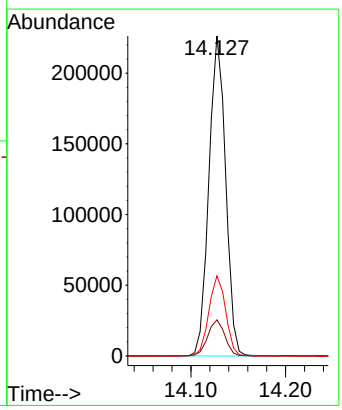


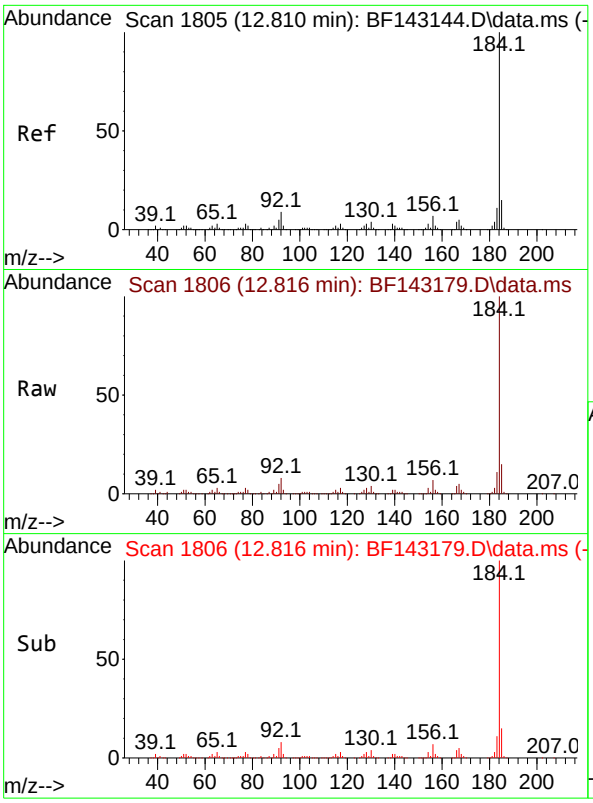


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:240 Resp: 276421

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.4	14.2
236	25.1	20.2	30.4

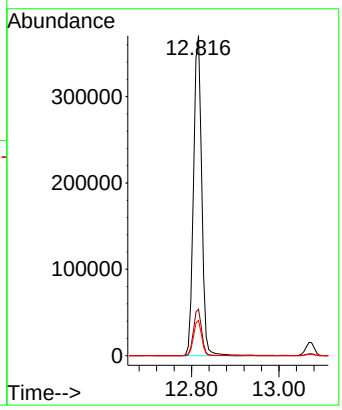




#77
Benzidine
Concen: 45.460 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

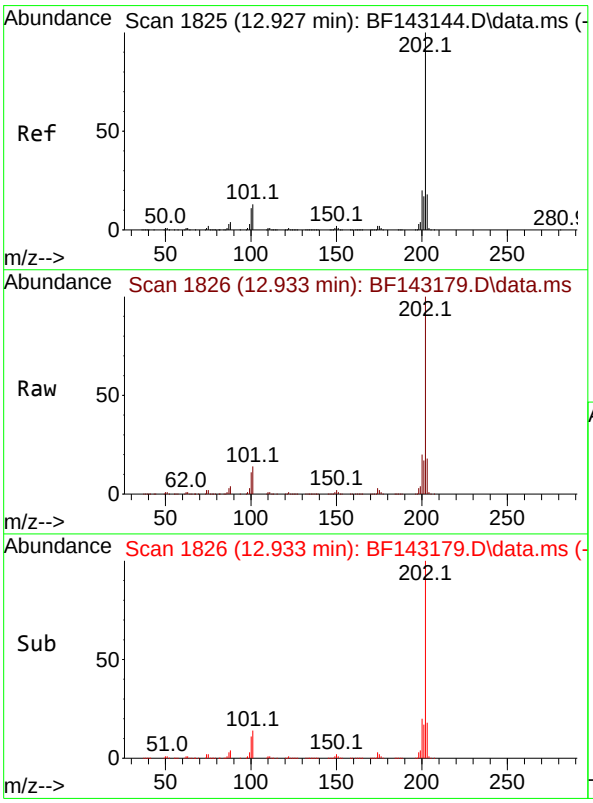
Tgt Ion:184 Resp: 48414

Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.2	18.4
183	11.0	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
PB168813BS

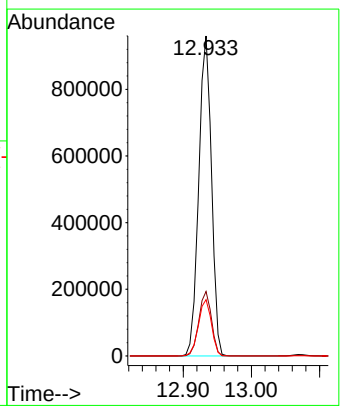
Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

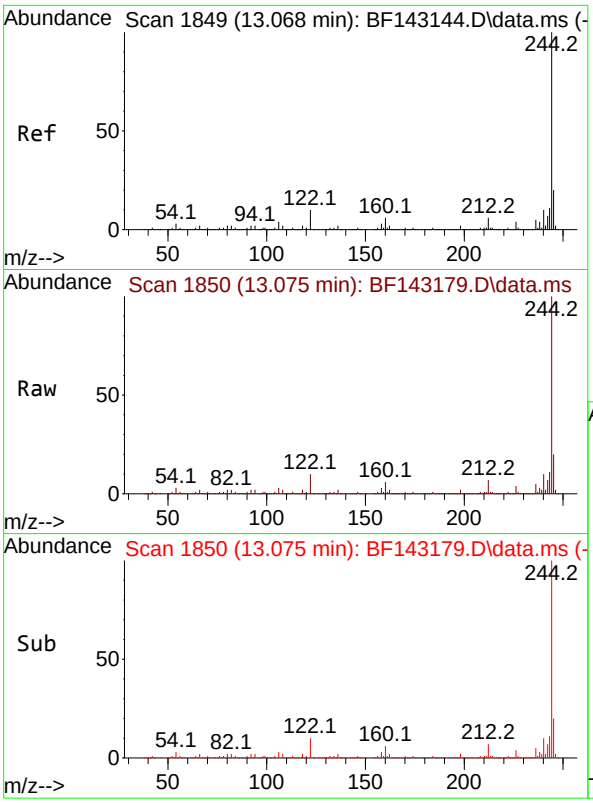


#78
Pyrene
Concen: 52.781 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:202 Resp: 1245151

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.7	23.5
203	17.6	14.2	21.2

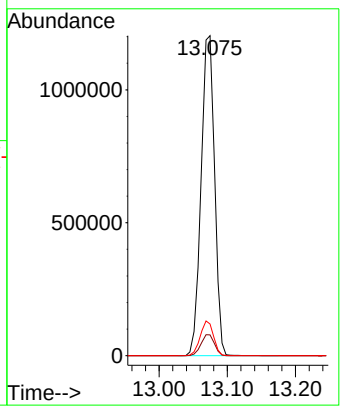




#79
Terphenyl-d14
Concen: 89.322 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:244 Resp: 165917

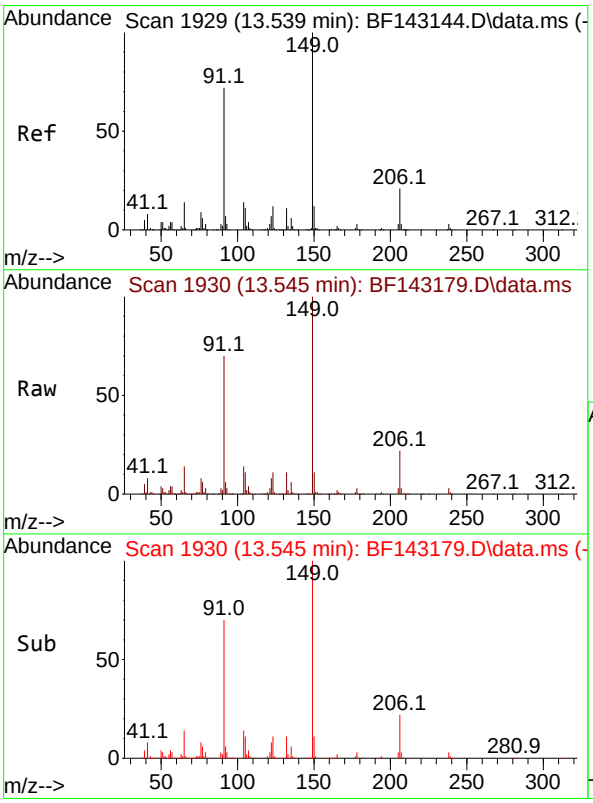
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.9	8.2	12.2



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

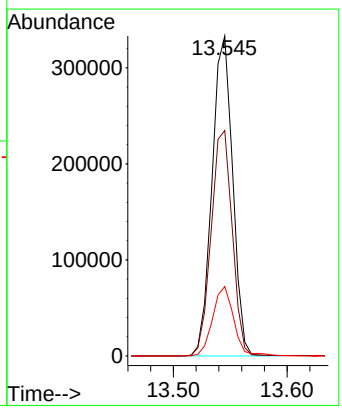
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

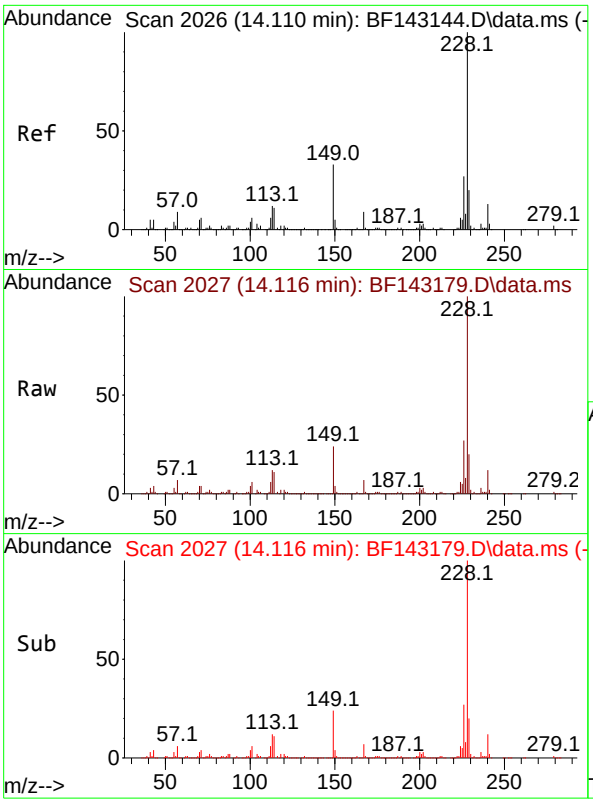


#80
Butylbenzylphthalate
Concen: 58.084 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 419591

Ion	Ratio	Lower	Upper
149	100		
91	70.5	57.9	86.9
206	21.7	17.0	25.4

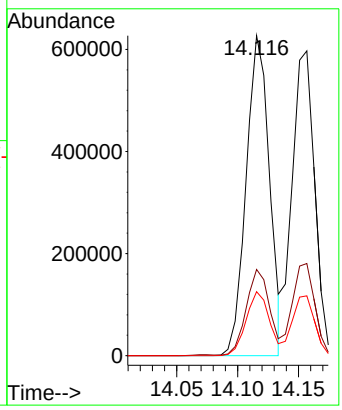




#81
Benzo(a)anthracene
Concen: 45.084 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:228 Resp: 83434

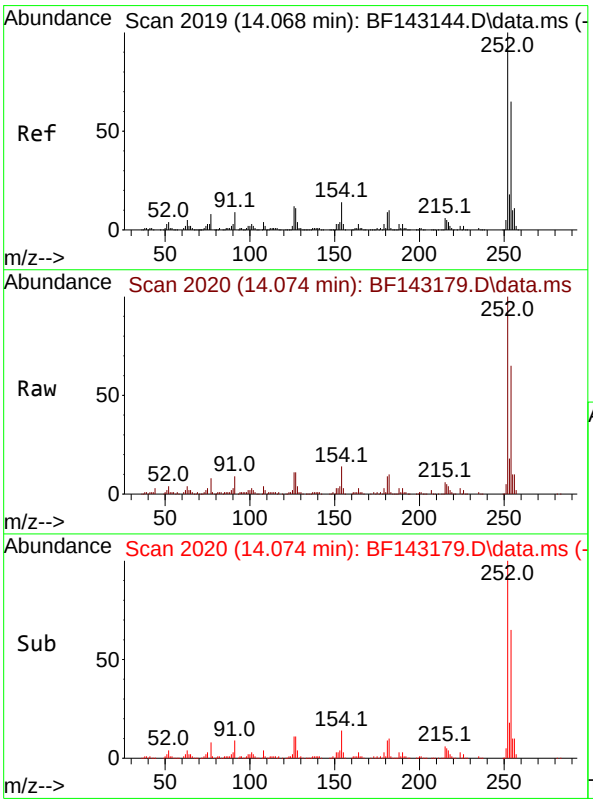
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	20.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

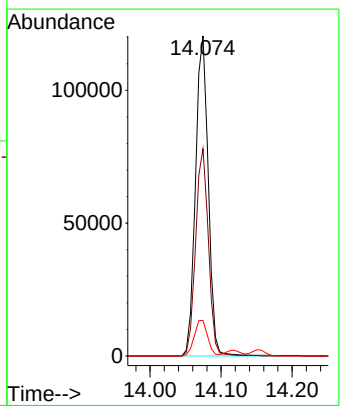
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

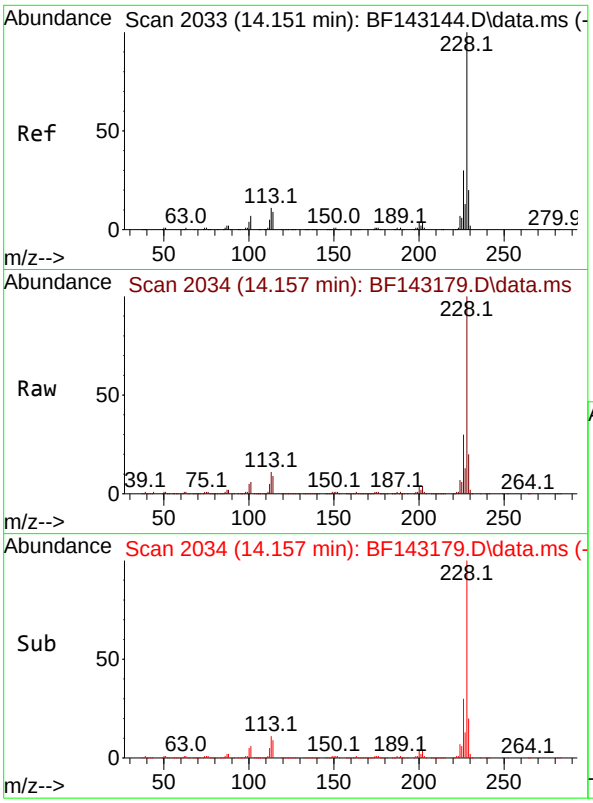


#82
3,3'-Dichlorobenzidine
Concen: 24.469 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 150923

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.1	9.4	14.0

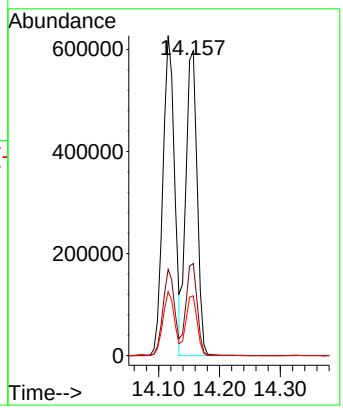




#83
Chrysene
Concen: 46.508 ng
RT: 14.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:228 Resp: 77384

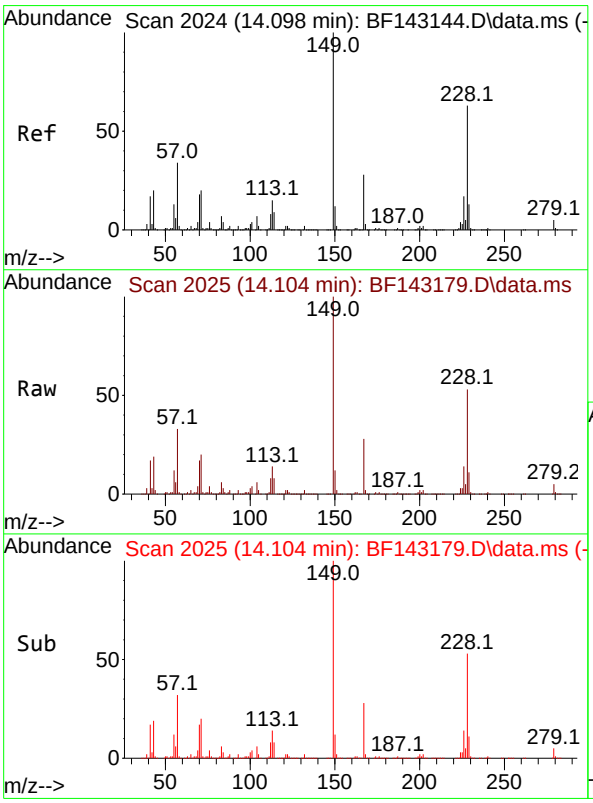
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	19.6	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

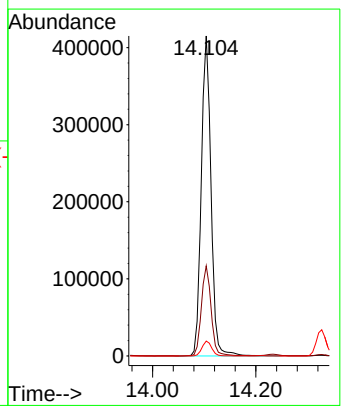
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

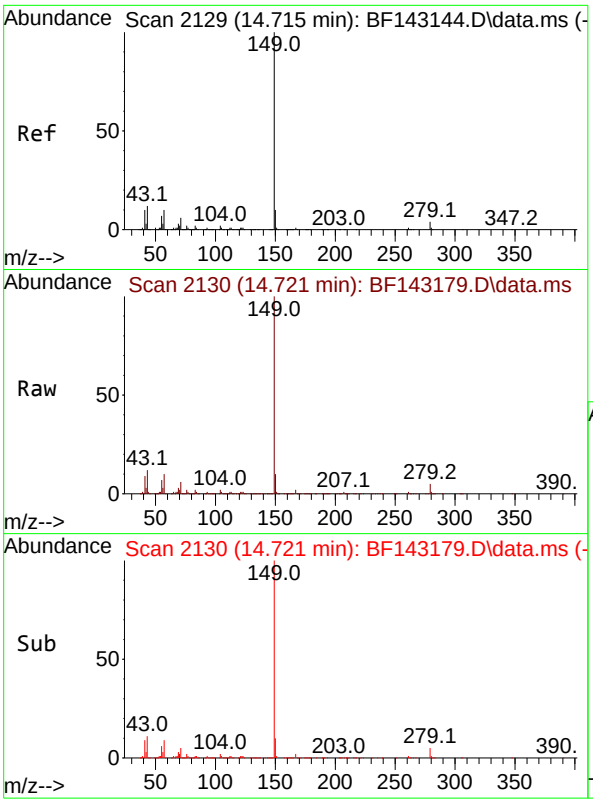


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.581 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 542125

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.7	3.6	5.4





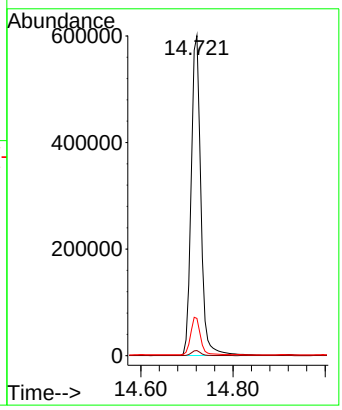
#85
Di-n-octyl phthalate
Concen: 44.043 ng
RT: 14.721 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

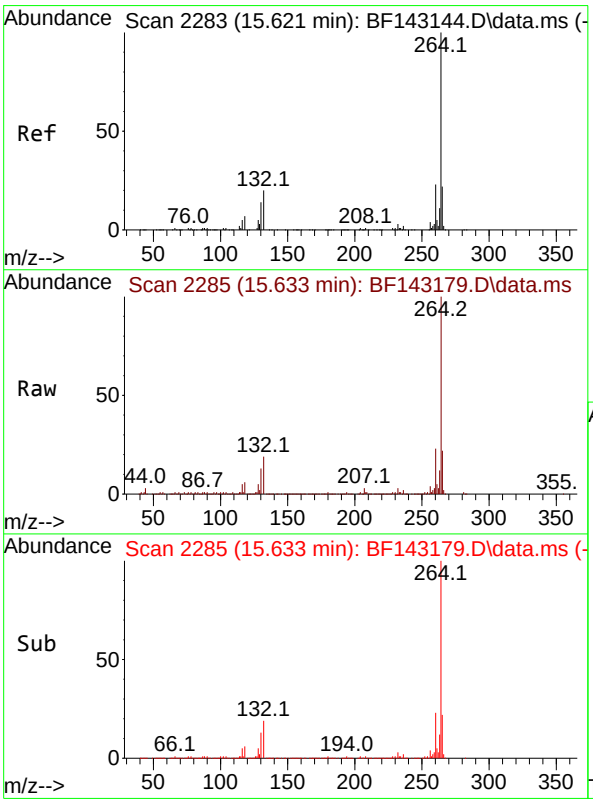
Tgt Ion:149 Resp: 872909

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.6	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

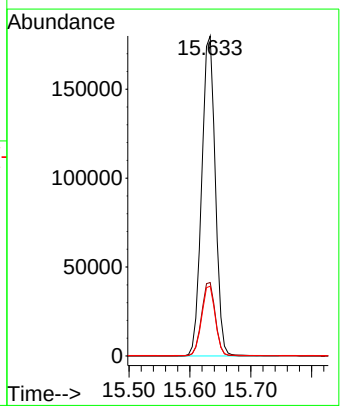


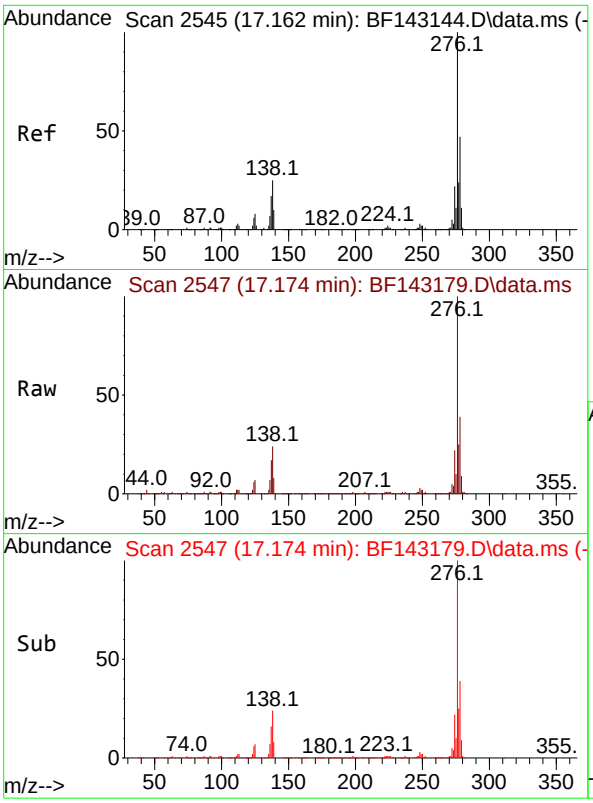


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:264 Resp: 278917

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.8	17.4	26.2

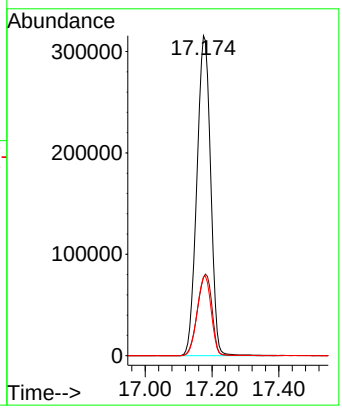




#87
Indeno(1,2,3-cd)pyrene
Concen: 45.847 ng
RT: 17.174 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:276 Resp: 90170

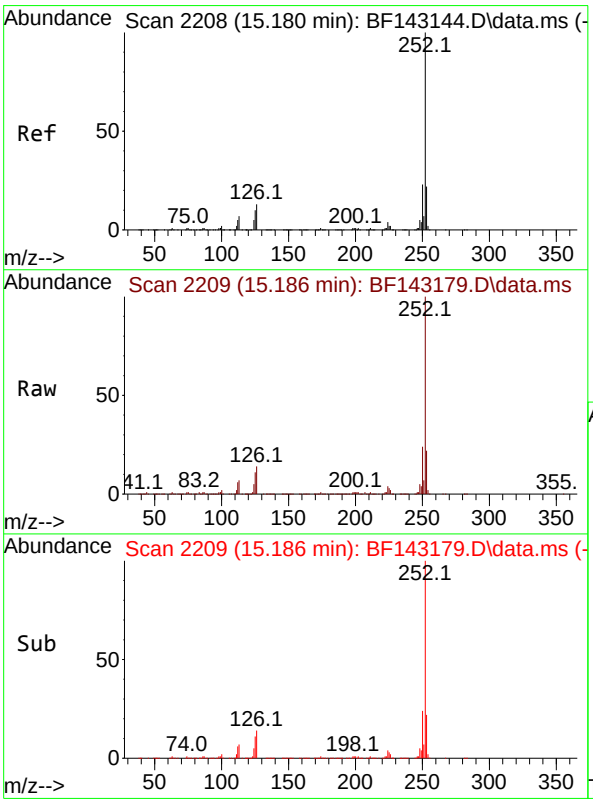
Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.3	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED

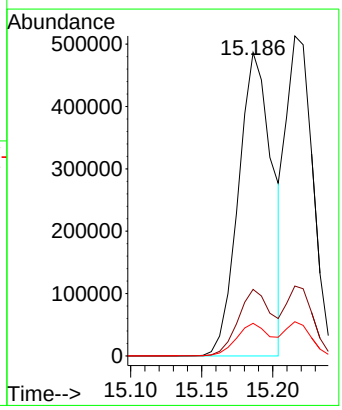
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

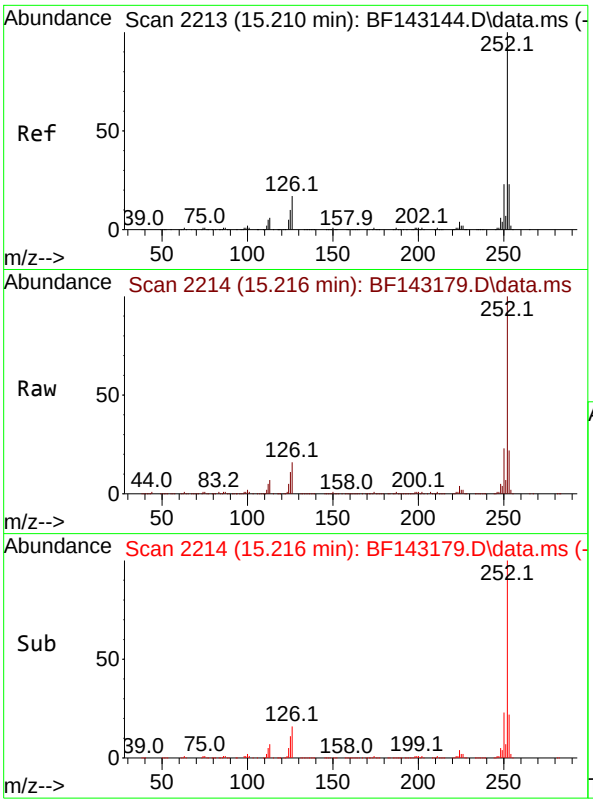


#88
Benzo(b)fluoranthene
Concen: 47.244 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 805003

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.8	8.0	12.0

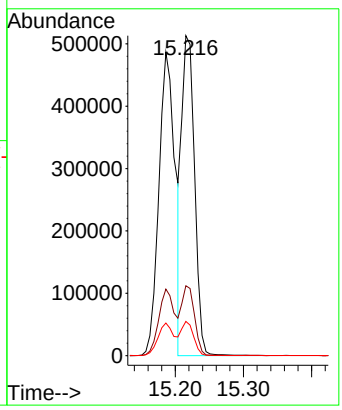




#89
Benzo(k)fluoranthene
Concen: 44.106 ng
RT: 15.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 67062

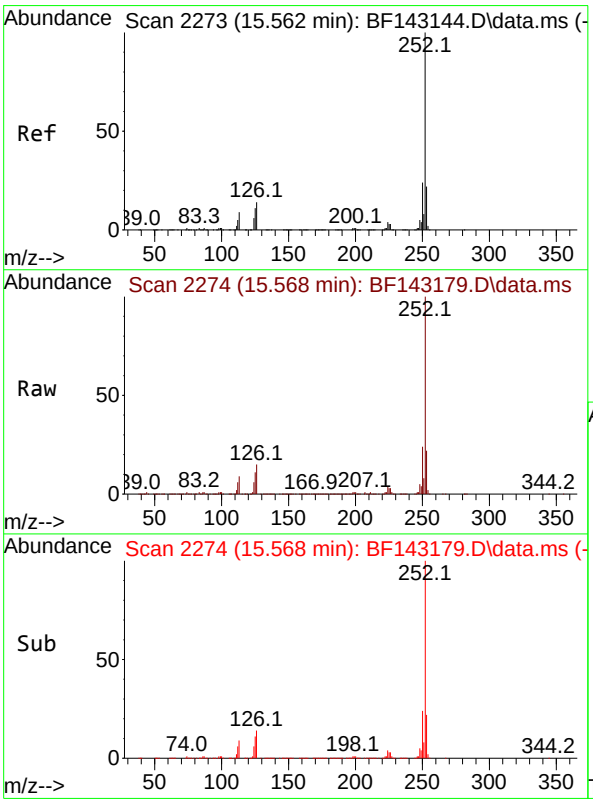
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.7	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations
APPROVED

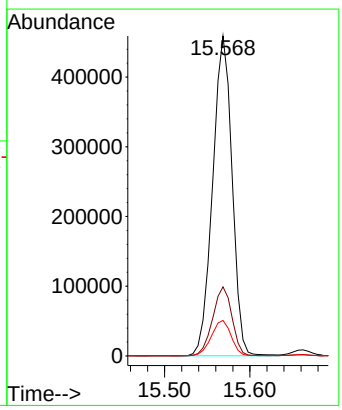
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

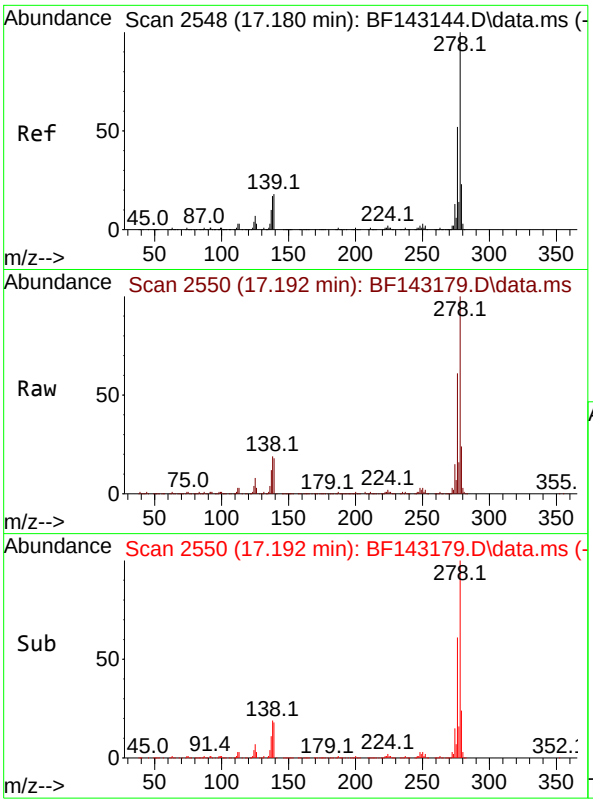


#90
Benzo(a)pyrene
Concen: 46.279 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 726542

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	11.1	8.6	13.0

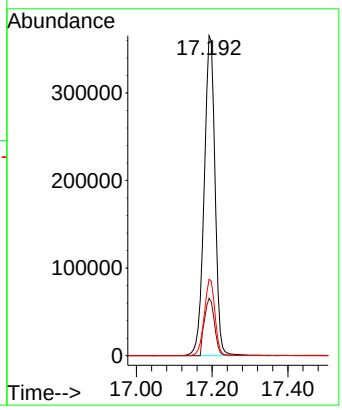




#91
Dibenzo(a,h)anthracene
Concen: 45.444 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:278 Resp: 72746

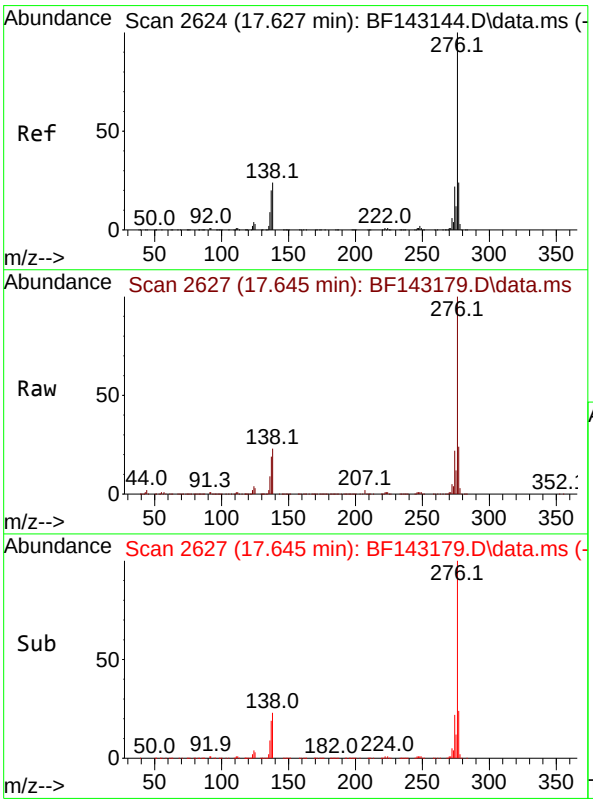
Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.1	21.1
279	23.8	18.6	28.0



Instrument :
BNA_F
ClientSampleId :
PB168813BS

Manual Integrations APPROVED

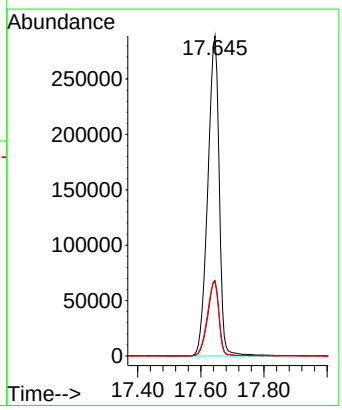
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#92
Benzo(g,h,i)perylene
Concen: 46.754 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:276 Resp: 723992

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	23.0	18.9	28.3



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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MS	SDG No.:	Q2555
Lab Sample ID:	Q2571-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143131.D	1	07/11/25 09:50	07/17/25 02:34	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.92		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.92		0.018	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	0.94		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	0.89		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	0.90		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	0.92		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	0.93		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	0.93		0.021	0.089	0.12	mg/Kg
129-00-0	Pyrene	0.75		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	0.97		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	0.95		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.89		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.00		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.79		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.78		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.73		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	64.4		37 - 122		64%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.9		44 - 115		54%	SPK: 100
1718-51-0	Terphenyl-d14	42.0	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	154000	6.969				
1146-65-2	Naphthalene-d8	580000	8.251				
15067-26-2	Acenaphthene-d10	275000	10.004				
1517-22-2	Phenanthrene-d10	404000	11.486				
1719-03-5	Chrysene-d12	269000	14.133				
1520-96-3	Perylene-d12	324000	15.639				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MS	SDG No.:	Q2555
Lab Sample ID:	Q2571-05MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143131.D	1	07/11/25 09:50	07/17/25 02:34	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF071625\
Data File : BF143131.D
Acq On : 17 Jul 2025 02:34
Operator : RC/JU
Sample : Q2571-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Quant Time: Jul 17 03:48:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	153802	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	579798	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	274749	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	404136	20.000	ng		0.00
76) Chrysene-d12	14.133	240	268901	20.000	ng		0.00
86) Perylene-d12	15.639	264	324370	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.598	112	800697	82.252	ng		0.01
7) Phenol-d6	6.587	99	1041030	85.076	ng		0.00
23) Nitrobenzene-d5	7.522	82	665365	64.377	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	199903	81.600	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1113827	53.889	ng		0.00
79) Terphenyl-d14	13.069	244	773093	42.027	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.899	88	164158	33.876	ng		100
3) Pyridine	3.652	79	440739	35.918	ng		99
4) n-Nitrosodimethylamine	3.593	42	258611	40.678	ng		99
6) Aniline	6.628	93	403703	23.428	ng		99
8) 2-Chlorophenol	6.751	128	411125	42.035	ng		99
9) Benzaldehyde	6.516	77	302020	32.392	ng		98
10) Phenol	6.604	94	548921	41.438	ng		100
11) bis(2-Chloroethyl)ether	6.698	93	407895	39.775	ng		99
12) 1,3-Dichlorobenzene	6.910	146	437751	39.617	ng		99
13) 1,4-Dichlorobenzene	6.987	146	437809	39.384	ng		99
14) 1,2-Dichlorobenzene	7.140	146	422845	39.888	ng		98
15) Benzyl Alcohol	7.098	79	380836	42.003	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	753677	39.869	ng		99
17) 2-Methylphenol	7.210	107	345099	40.887	ng		99
18) Hexachloroethane	7.487	117	151457	41.852	ng		96
19) n-Nitroso-di-n-propyla...	7.375	70	302780	40.389	ng		100
20) 3+4-Methylphenols	7.363	107	424295	40.991	ng		97
22) Acetophenone	7.369	105	562591	40.253	ng	#	93
24) Nitrobenzene	7.545	77	444251	44.525	ng		98
25) Isophorone	7.781	82	835156	41.806	ng		99
26) 2-Nitrophenol	7.863	139	180511	45.496	ng		99
27) 2,4-Dimethylphenol	7.892	122	382507	41.254	ng		100
28) bis(2-Chloroethoxy)met...	7.992	93	506341	41.798	ng		99
29) 2,4-Dichlorophenol	8.098	162	321458	42.379	ng		100
30) 1,2,4-Trichlorobenzene	8.187	180	350435	40.708	ng		98
31) Naphthalene	8.269	128	1165944	40.495	ng		100
33) 4-Chloroaniline	8.310	127	147433	12.734	ng		98
34) Hexachlorobutadiene	8.392	225	217703	42.286	ng		100
35) Caprolactam	8.663	113	93345	39.408	ng		97
36) 4-Chloro-3-methylphenol	8.786	107	353459	41.831	ng		97
37) 2-Methylnaphthalene	8.963	142	697441	40.605	ng		99
38) 1-Methylnaphthalene	9.063	142	718769	40.346	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	337867	42.197	ng		99
41) Hexachlorocyclopentadiene	9.122	237	308813	69.565	ng		99
43) 2,4,6-Trichlorophenol	9.234	196	208024	41.813	ng		99
44) 2,4,5-Trichlorophenol	9.275	196	224311	42.999	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143131.D
Acq On : 17 Jul 2025 02:34
Operator : RC/JU
Sample : Q2571-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Quant Time: Jul 17 03:48:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

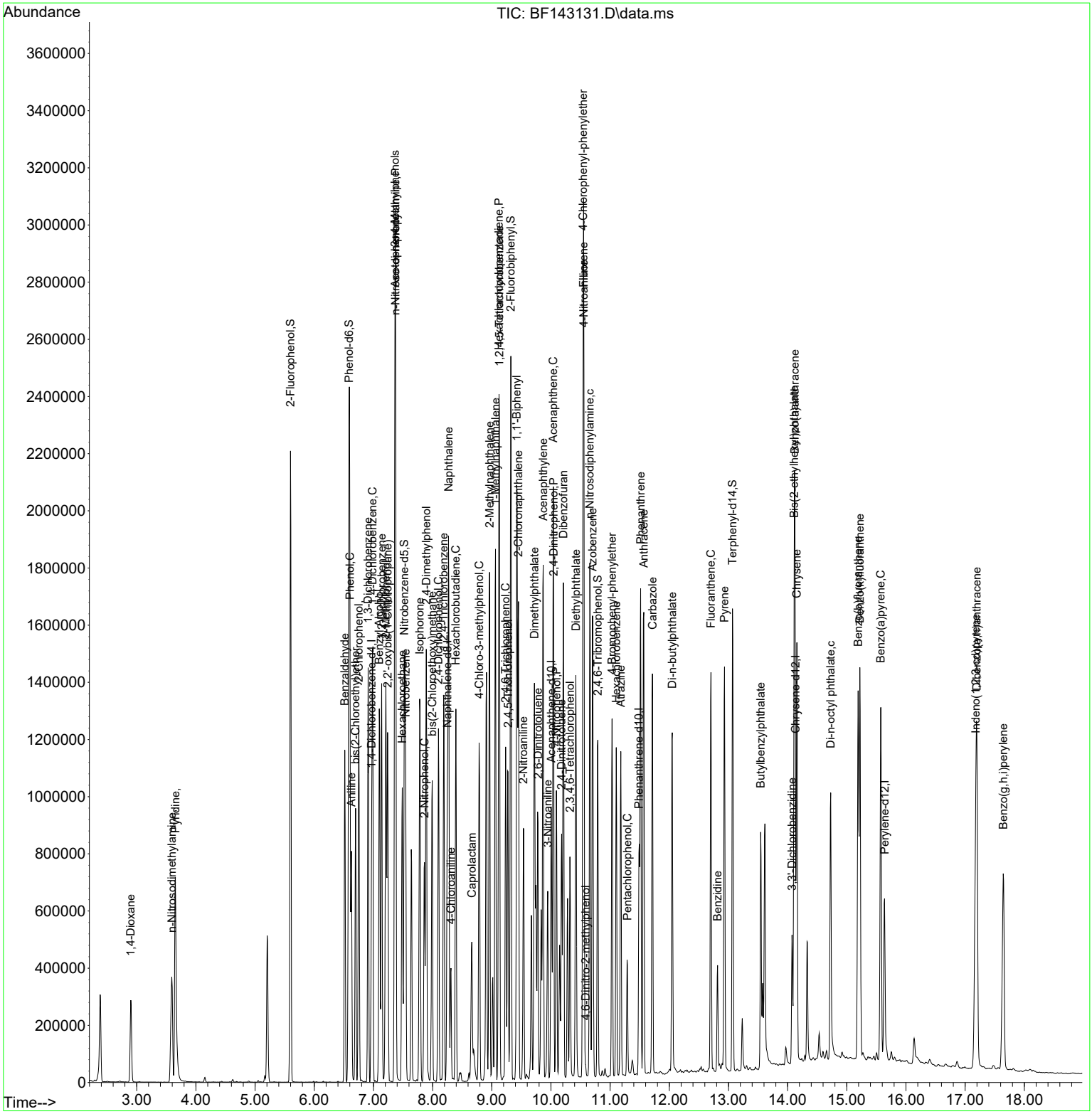
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.422	154	918974	41.942	ng		100
47) 2-Chloronaphthalene	9.451	162	671890	41.742	ng		100
48) 2-Nitroaniline	9.534	65	214232	44.804	ng		99
49) Acenaphthylene	9.869	152	1110952	41.420	ng		100
50) Dimethylphthalate	9.722	163	758469	43.880	ng		99
51) 2,6-Dinitrotoluene	9.781	165	155746	45.740	ng		89
52) Acenaphthene	10.039	154	622567	39.334	ng		98
53) 3-Nitroaniline	9.945	138	128666	34.449	ng		95
54) 2,4-Dinitrophenol	10.045	184	3818	8.800	ng	#	1
55) Dibenzofuran	10.210	168	954263	40.449	ng		100
56) 4-Nitrophenol	10.092	139	205928	69.375	ng		98
57) 2,4-Dinitrotoluene	10.181	165	190989	45.006	ng		98
58) Fluorene	10.551	166	698855	39.512	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	125120	30.182	ng		99
60) Diethylphthalate	10.422	149	726438	43.562	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	346653	40.891	ng		100
62) 4-Nitroaniline	10.557	138	138893	42.763	ng		99
63) Azobenzene	10.704	77	822670	44.607	ng		95
65) 4,6-Dinitro-2-methylph...	10.586	198	5912	9.550	ng		91
66) n-Nitrosodiphenylamine	10.657	169	629474	44.342	ng		100
67) 4-Bromophenyl-phenylether	11.033	248	203399	44.257	ng		99
68) Hexachlorobenzene	11.104	284	207516	42.555	ng		98
69) Atrazine	11.180	200	174175	47.957	ng		99
70) Pentachlorophenol	11.292	266	63118	23.592	ng		99
71) Phenanthrene	11.516	178	883304	40.499	ng		99
72) Anthracene	11.569	178	901465	41.101	ng		100
73) Carbazole	11.716	167	801614	40.796	ng		100
74) Di-n-butylphthalate	12.051	149	888295	49.250	ng		100
75) Fluoranthene	12.704	202	811244	40.906	ng		99
77) Benzidine	12.816	184	199220	21.746	ng		99
78) Pyrene	12.933	202	818482	32.805	ng		100
80) Butylbenzylphthalate	13.545	149	236112	47.168	ng		96
81) Benzo(a)anthracene	14.121	228	767144	42.813	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	127120	24.430	ng		100
83) Chrysene	14.157	228	687824	41.678	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	363289	48.051	ng		99
85) Di-n-octyl phthalate	14.727	149	705195	49.122	ng		97
87) Indeno(1,2,3-cd)pyrene	17.180	276	837824	34.728	ng		99
88) Benzo(b)fluoranthene	15.192	252	883083	47.198	ng		99
89) Benzo(k)fluoranthene	15.221	252	697281	39.064	ng		100
90) Benzo(a)pyrene	15.574	252	780700	44.118	ng		100
91) Dibenzo(a,h)anthracene	17.198	278	676587	34.307	ng		99
92) Benzo(g,h,i)perylene	17.645	276	646206	32.139	ng		99

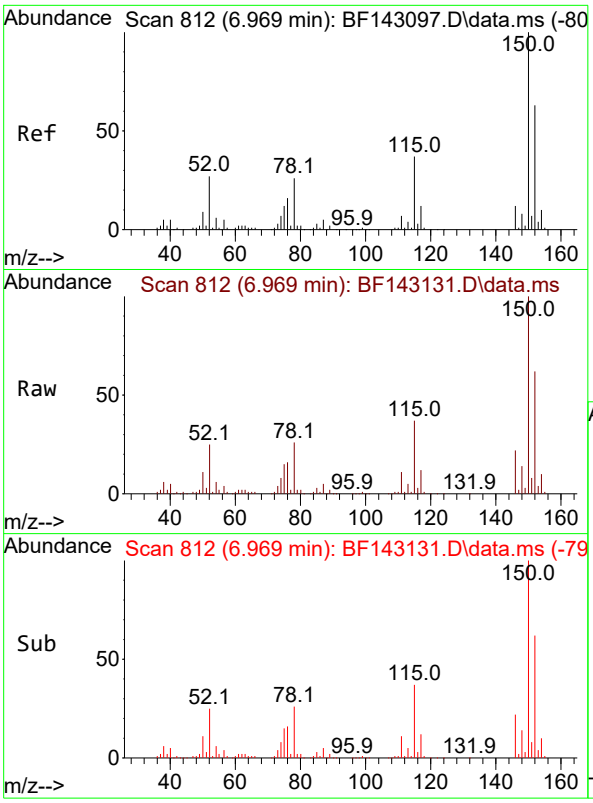
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143131.D
Acq On : 17 Jul 2025 02:34
Operator : RC/JU
Sample : Q2571-05MS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Quant Time: Jul 17 03:48:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



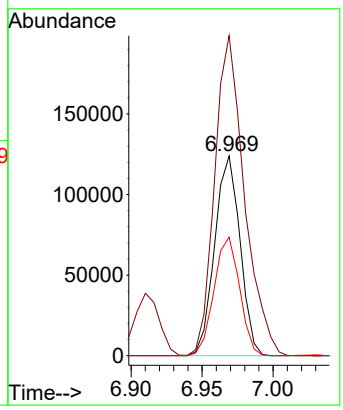


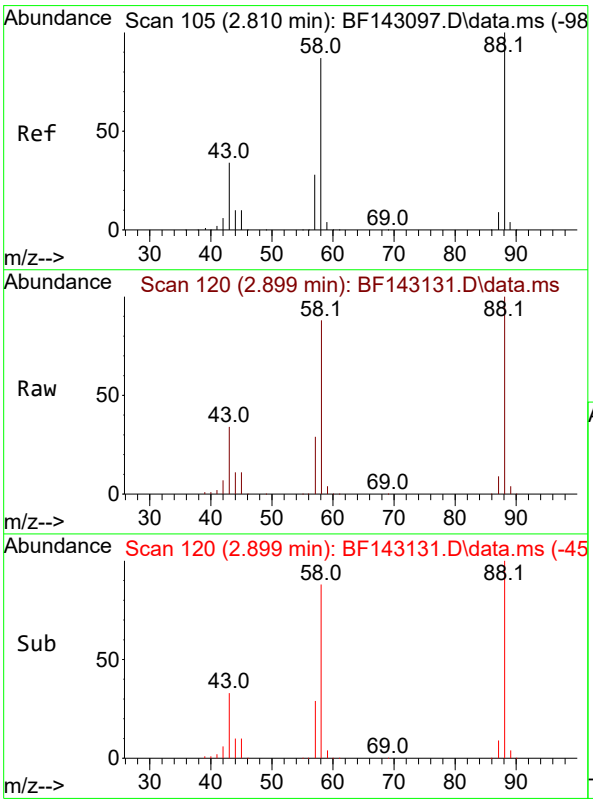
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:152 Resp: 153802

Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.5	189.7
115	59.4	47.0	70.6

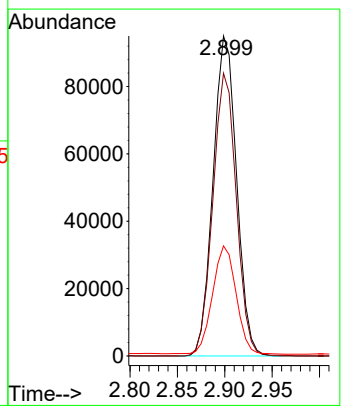


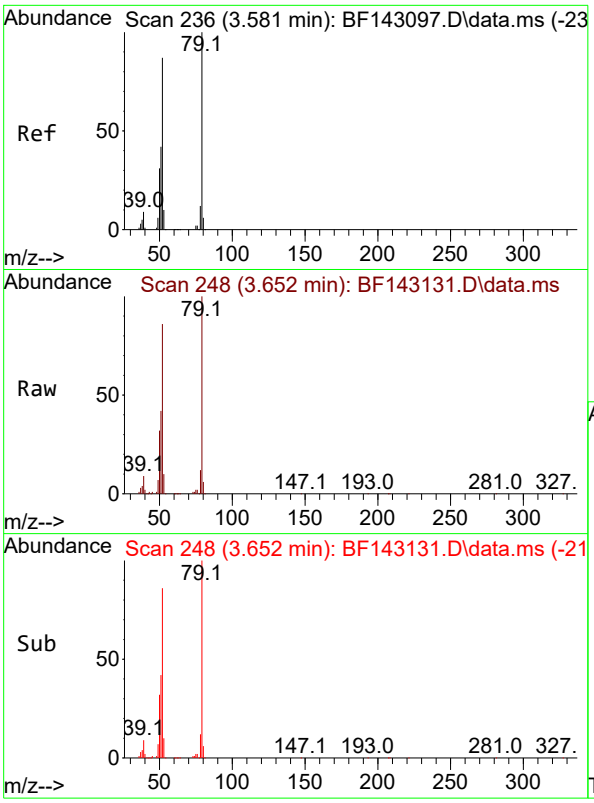


#2
1,4-Dioxane
Concen: 33.876 ng
RT: 2.899 min Scan# 120
Delta R.T. 0.088 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 88 Resp: 164158

Ion	Ratio	Lower	Upper
88	100		
58	88.3	70.5	105.7
43	34.2	27.3	40.9



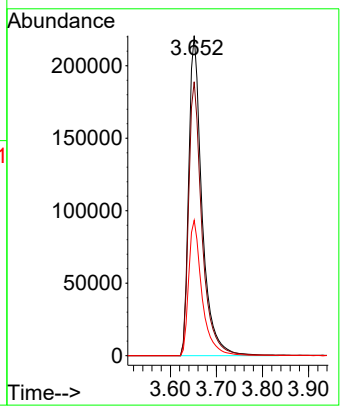


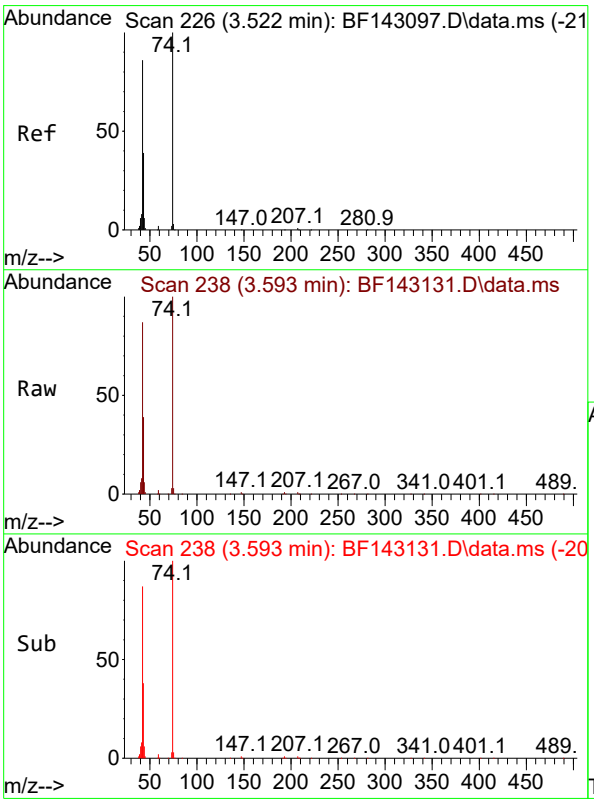
#3
Pyridine
Concen: 35.918 ng
RT: 3.652 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 79 Resp: 440739

Ion	Ratio	Lower	Upper
79	100		
52	85.6	69.2	103.8
51	42.3	33.3	49.9

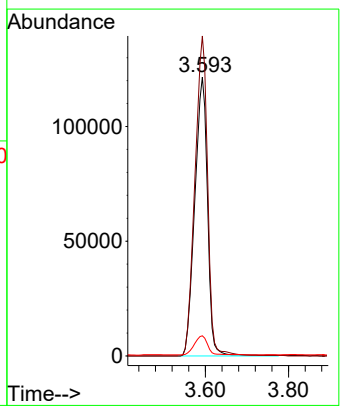


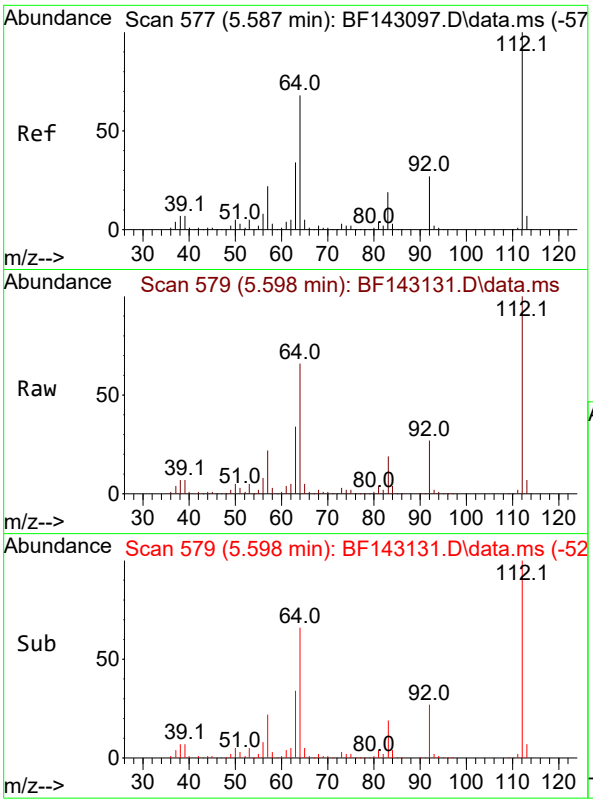


#4
n-Nitrosodimethylamine
Concen: 40.678 ng
RT: 3.593 min Scan# 238
Delta R.T. 0.071 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 42 Resp: 258611

Ion	Ratio	Lower	Upper
42	100		
74	114.7	92.8	139.2
44	7.2	5.8	8.6



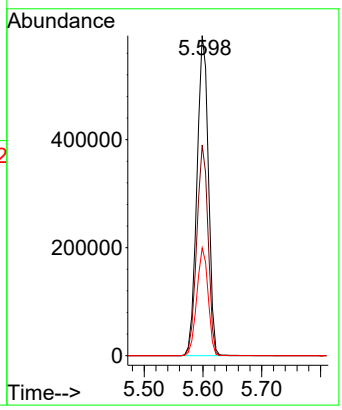


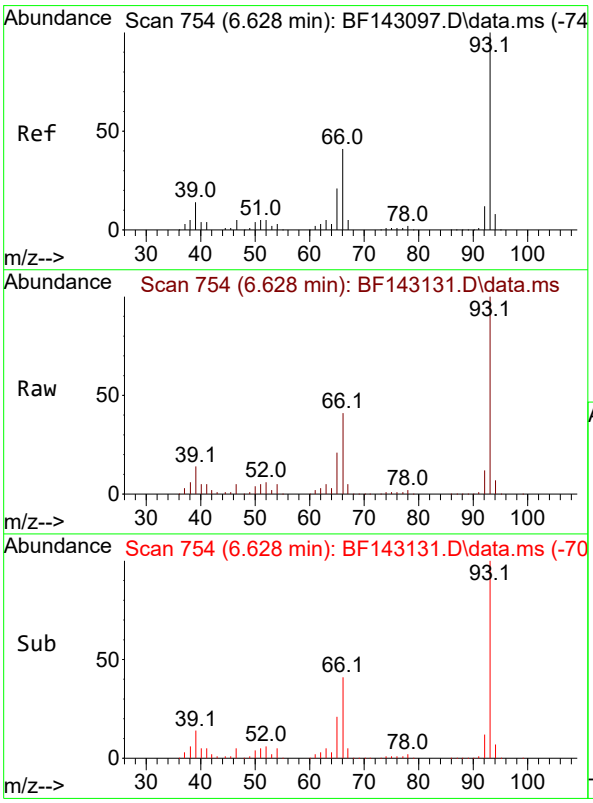
#5
2-Fluorophenol
Concen: 82.252 ng
RT: 5.598 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:112 Resp: 800697

Ion	Ratio	Lower	Upper
112	100		
64	65.8	54.6	82.0
63	33.7	27.3	40.9

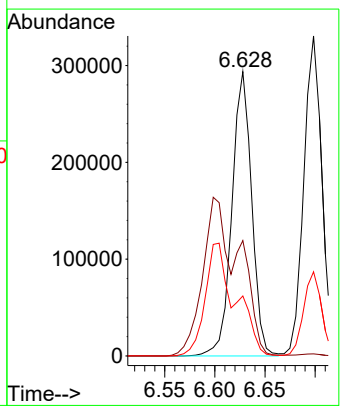


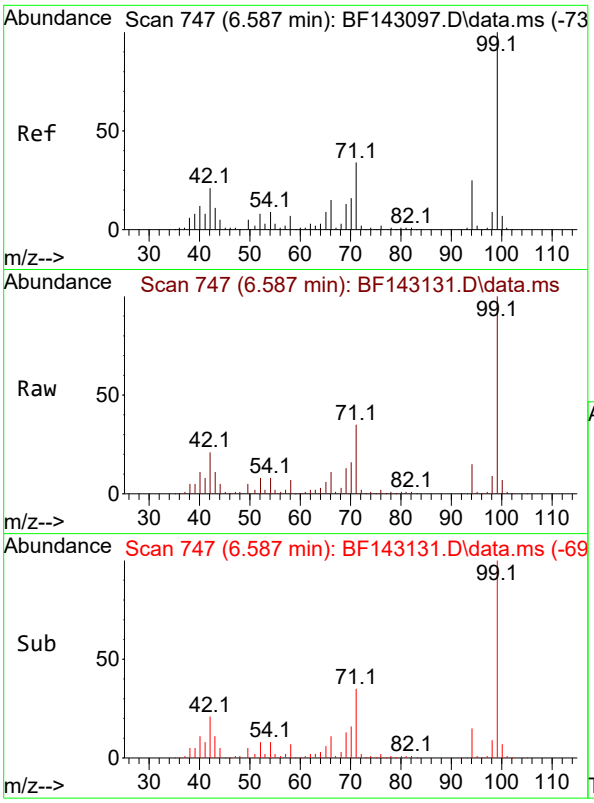


#6
Aniline
Concen: 23.428 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 93 Resp: 403703

Ion	Ratio	Lower	Upper
93	100		
66	40.6	33.1	49.7
65	21.1	16.9	25.3



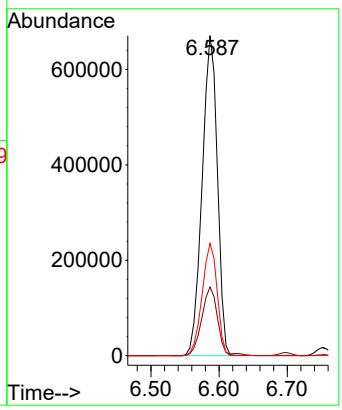


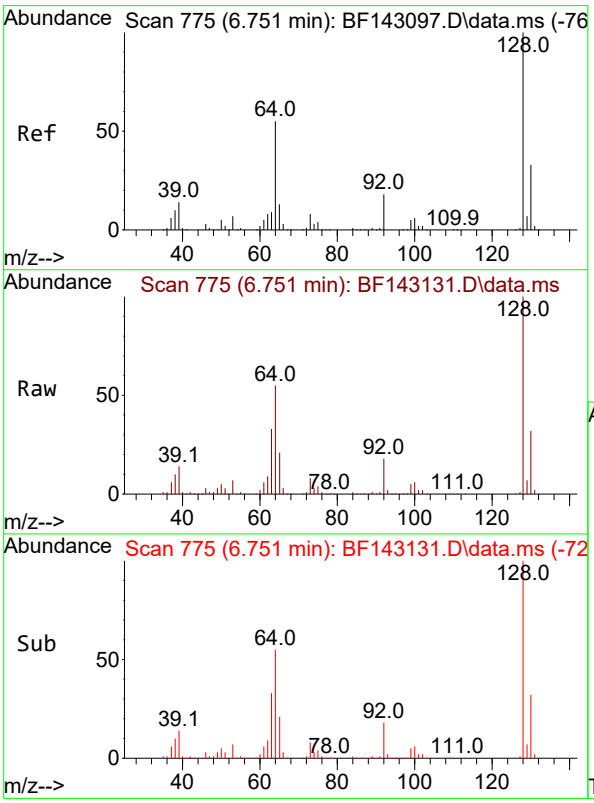
#7
Phenol-d6
Concen: 85.076 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 99 Resp: 1041030

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	35.1	27.4	41.0

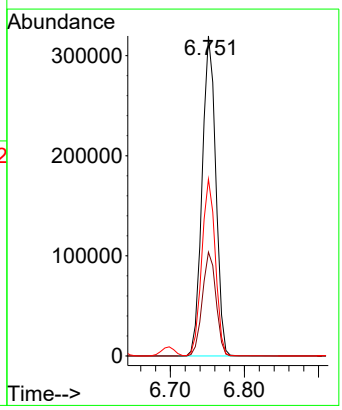


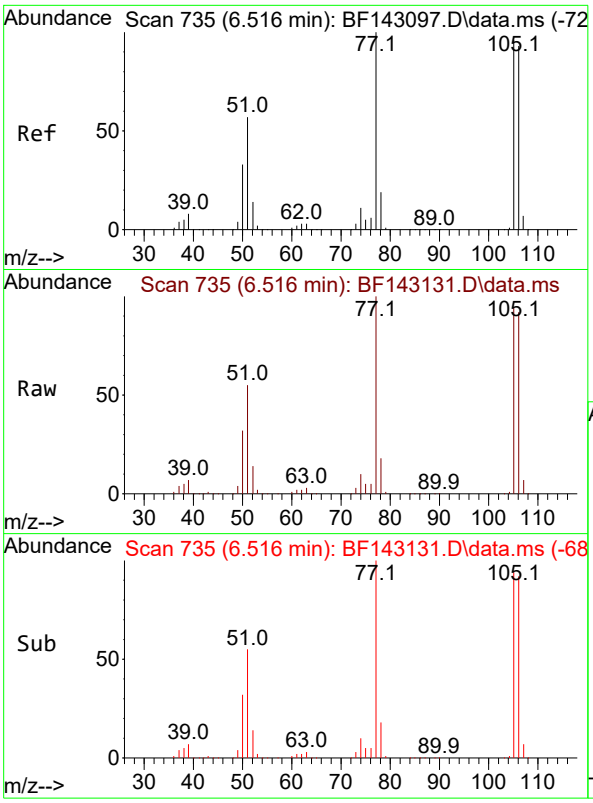


#8
2-Chlorophenol
Concen: 42.035 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:128 Resp: 411125

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.8	52.8
64	55.3	36.1	76.1



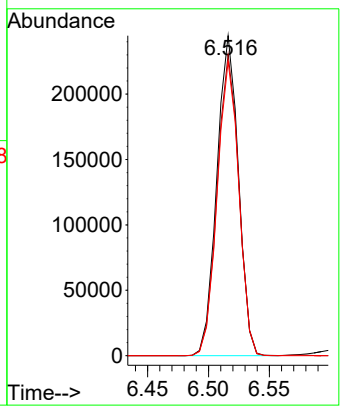


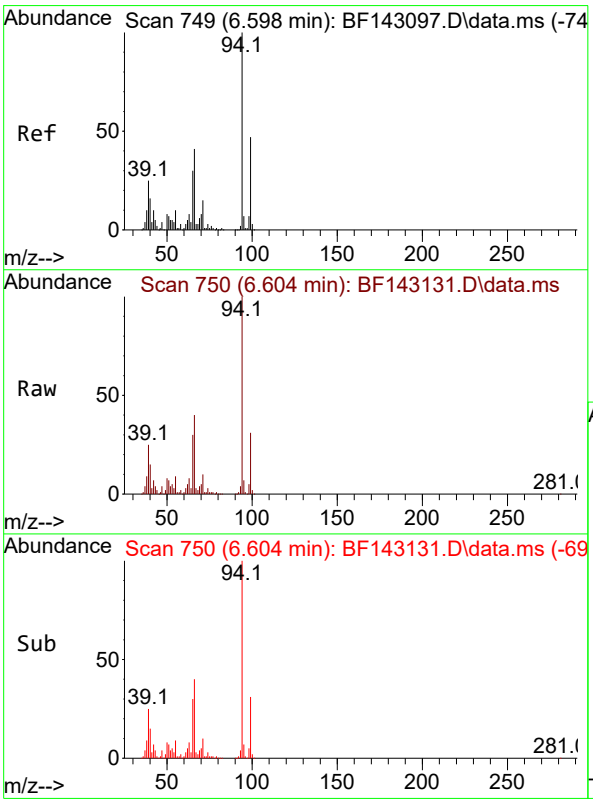
#9
Benzaldehyde
Concen: 32.392 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 77 Resp: 302020

Ion	Ratio	Lower	Upper
77	100		
105	94.1	76.3	116.3
106	92.0	72.8	112.8

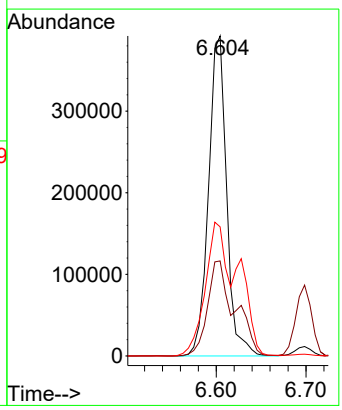


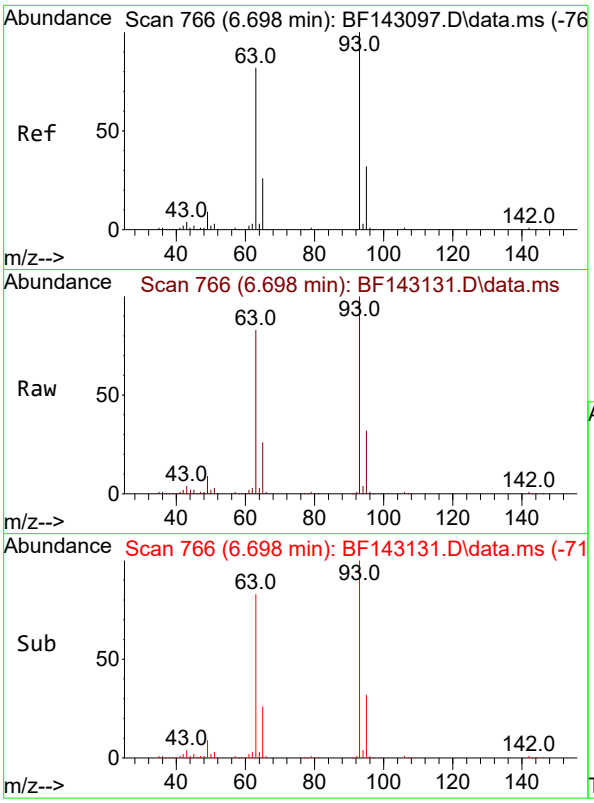


#10
Phenol
Concen: 41.438 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 94 Resp: 548921

Ion	Ratio	Lower	Upper
94	100		
65	29.7	9.8	49.8
66	40.4	20.5	60.5



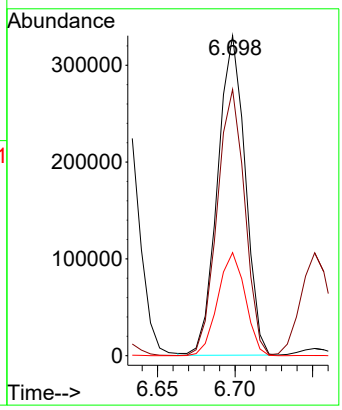


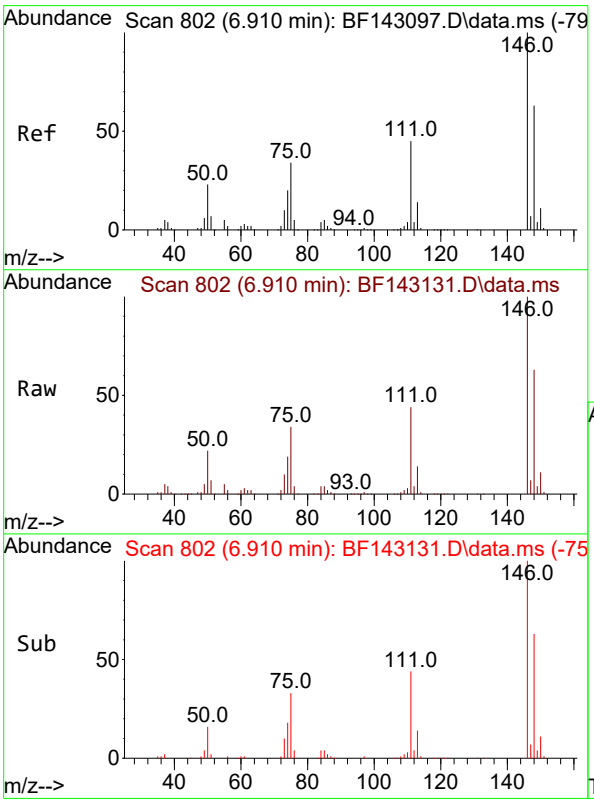
#11
bis(2-Chloroethyl)ether
Concen: 39.775 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 93 Resp: 407895

Ion	Ratio	Lower	Upper
93	100		
63	83.2	61.9	101.9
95	32.2	12.2	52.2

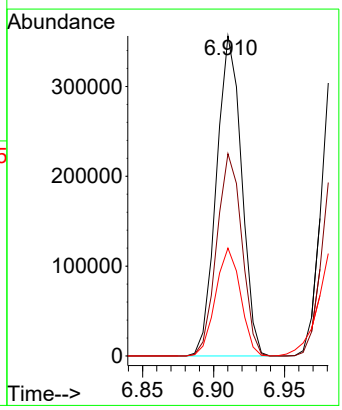


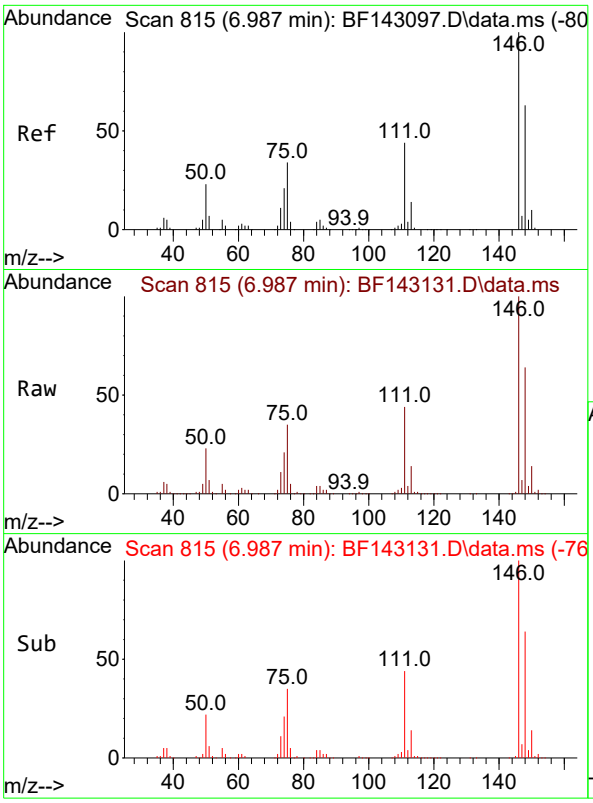


#12
1,3-Dichlorobenzene
Concen: 39.617 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:146 Resp: 437751

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.1	75.1
75	33.7	27.4	41.0



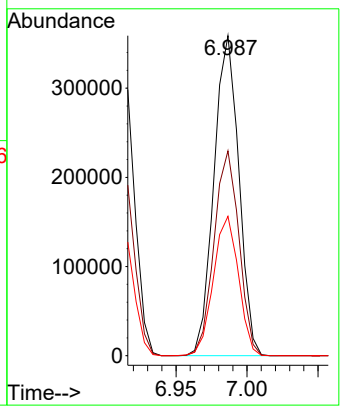


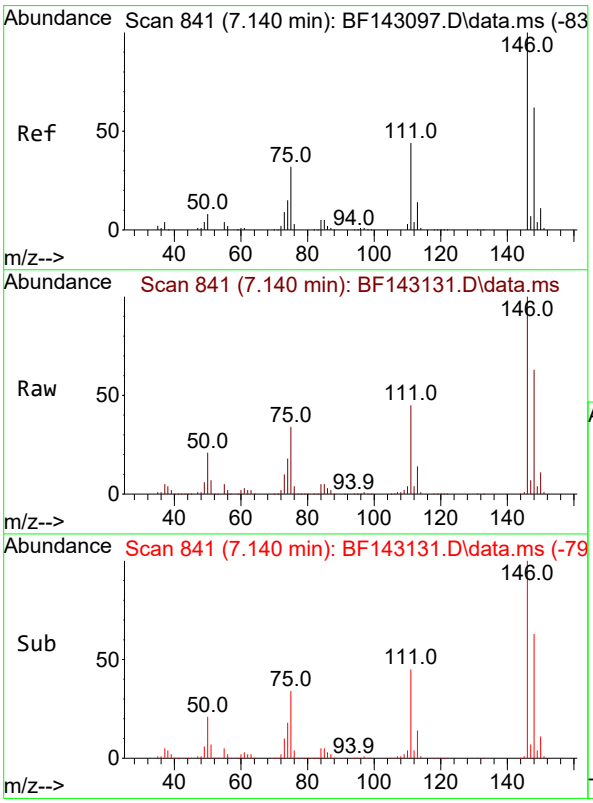
#13
1,4-Dichlorobenzene
Concen: 39.384 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:146 Resp: 437809

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	76.0
111	43.6	35.0	52.6

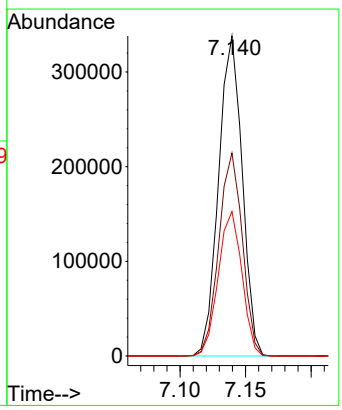


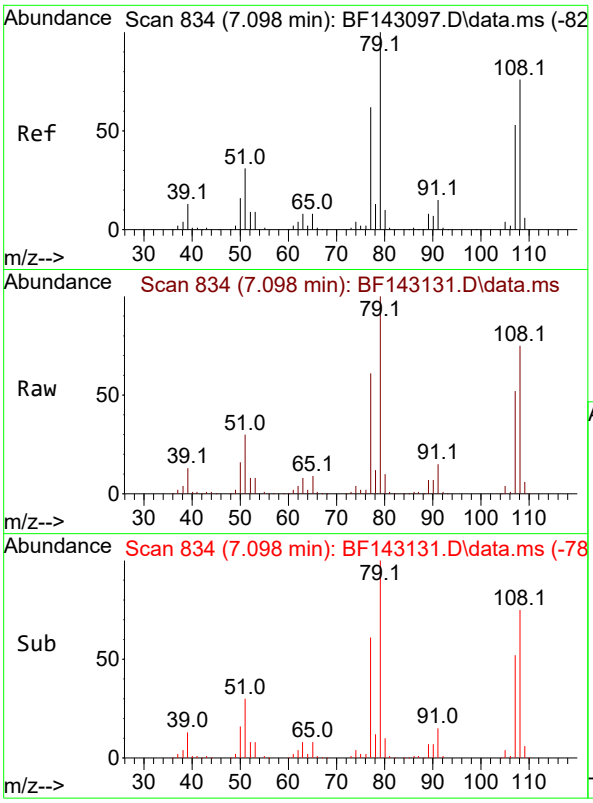


#14
1,2-Dichlorobenzene
Concen: 39.888 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:146 Resp: 422845

Ion	Ratio	Lower	Upper
146	100		
148	63.4	49.8	74.6
111	45.1	35.4	53.0



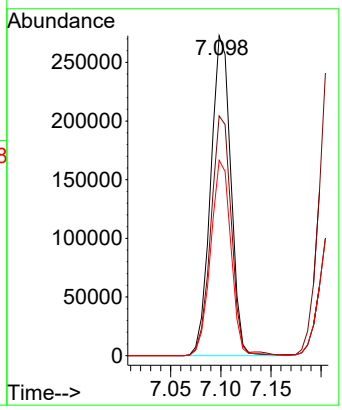


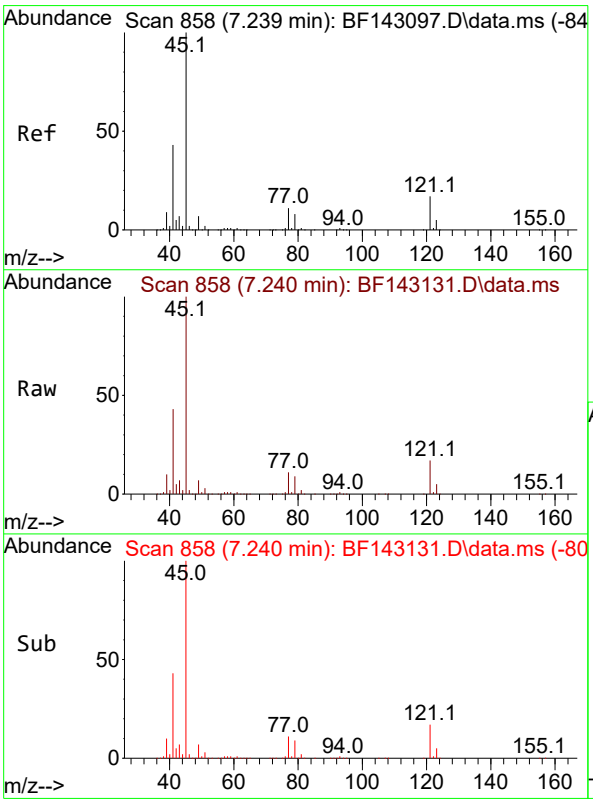
#15
Benzyl Alcohol
Concen: 42.003 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 79 Resp: 380836

Ion	Ratio	Lower	Upper
79	100		
108	74.9	61.1	91.7
77	61.1	49.9	74.9

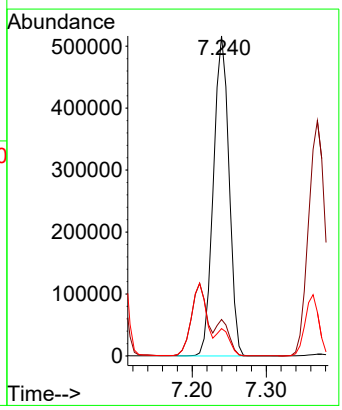


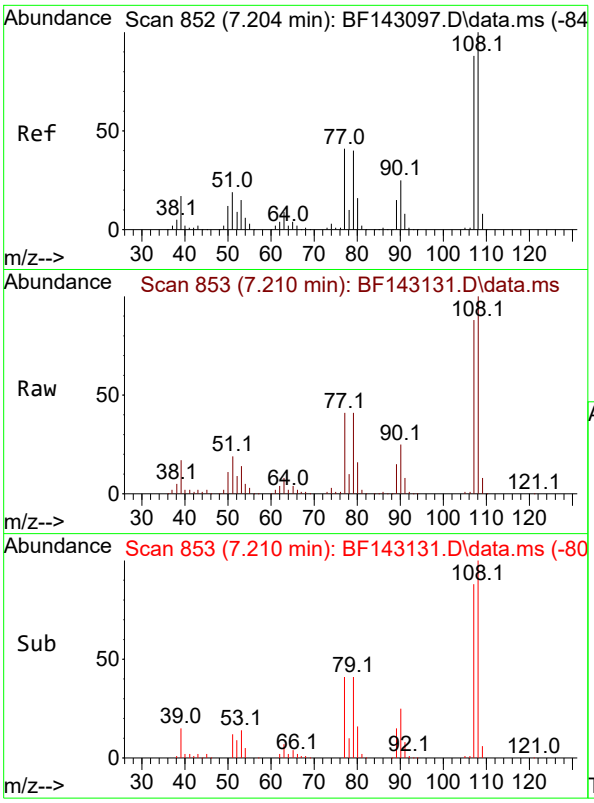


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.869 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 45 Resp: 753677

Ion	Ratio	Lower	Upper
45	100		
77	11.4	0.0	31.1
79	8.6	0.0	28.4



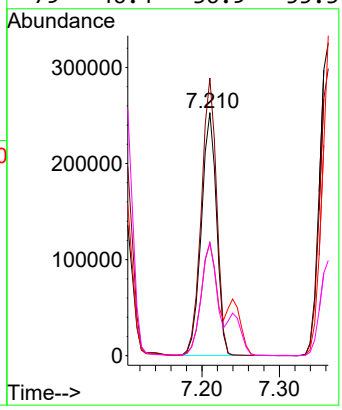


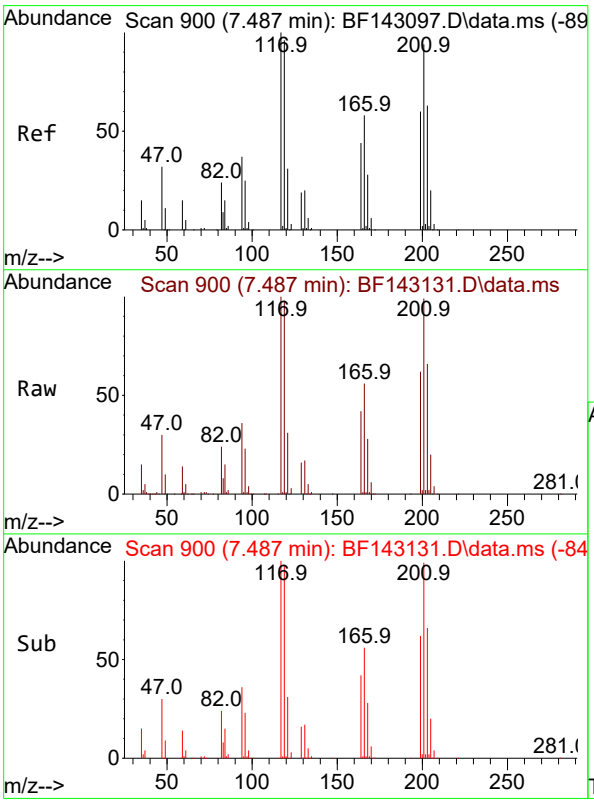
#17
2-Methylphenol
Concen: 40.887 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:107 Resp: 345099

Ion	Ratio	Lower	Upper
107	100		
108	114.1	90.9	136.3
77	46.4	37.5	56.3
79	46.4	36.9	55.3

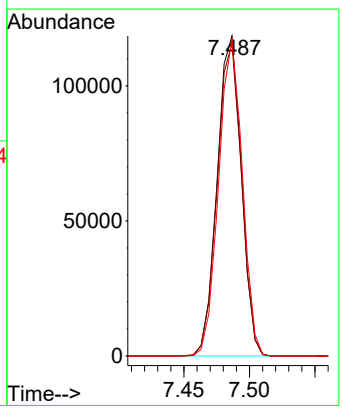


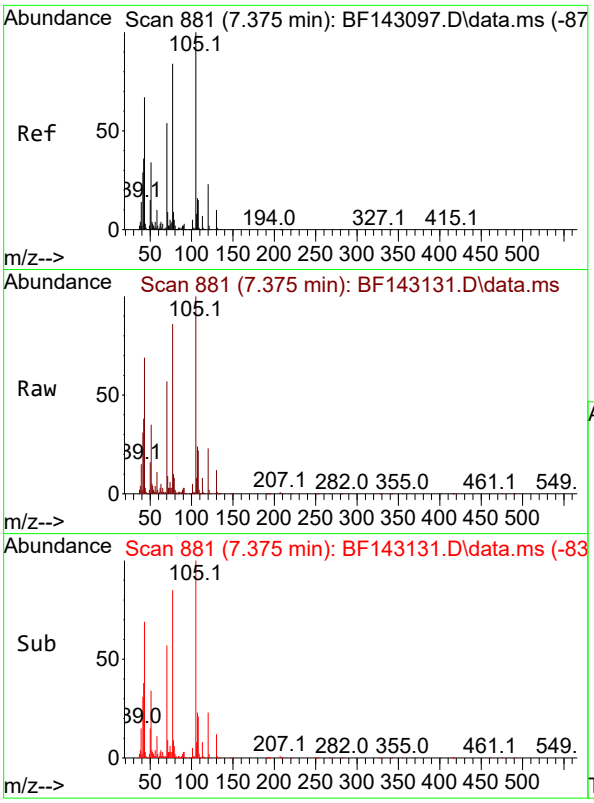


#18
Hexachloroethane
Concen: 41.852 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:117 Resp: 151457

Ion	Ratio	Lower	Upper
117	100		
119	97.7	76.7	115.1
201	98.8	75.0	112.4



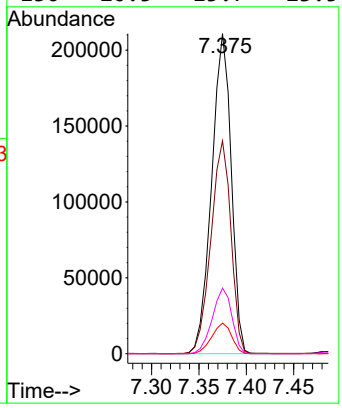


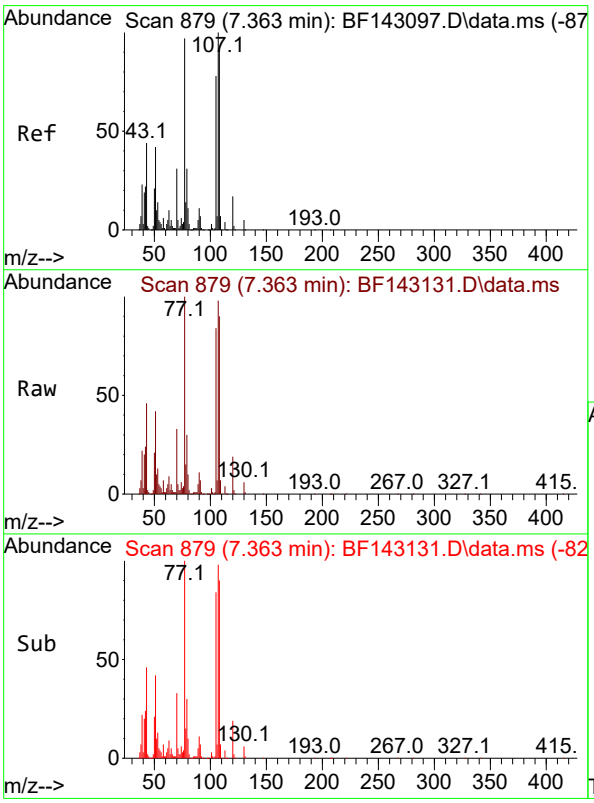
#19
n-Nitroso-di-n-propylamine
Concen: 40.389 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 70 Resp: 302780

Ion	Ratio	Lower	Upper
70	100		
42	66.5	53.2	79.8
101	9.5	7.5	11.3
130	20.5	15.7	23.5

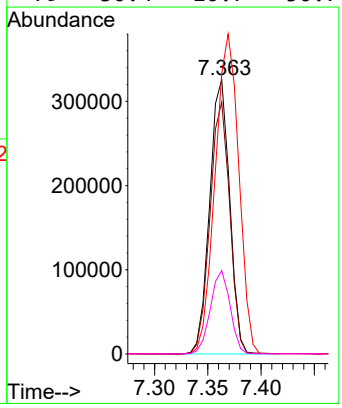


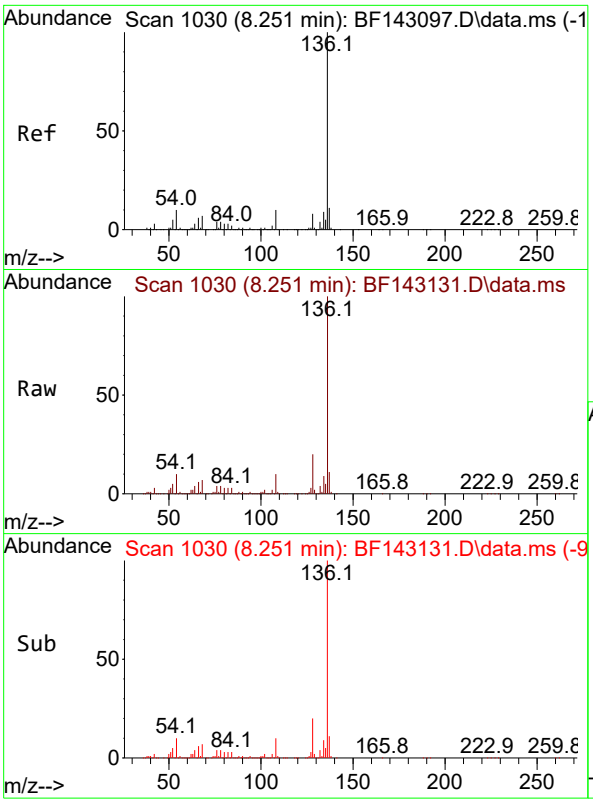


#20
3+4-Methylphenols
Concen: 40.991 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:107 Resp: 424295

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.3	111.3
77	102.2	77.2	117.2
79	30.4	10.7	50.7



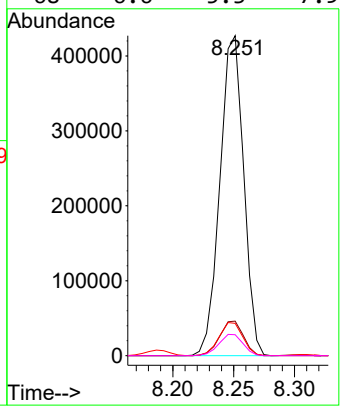


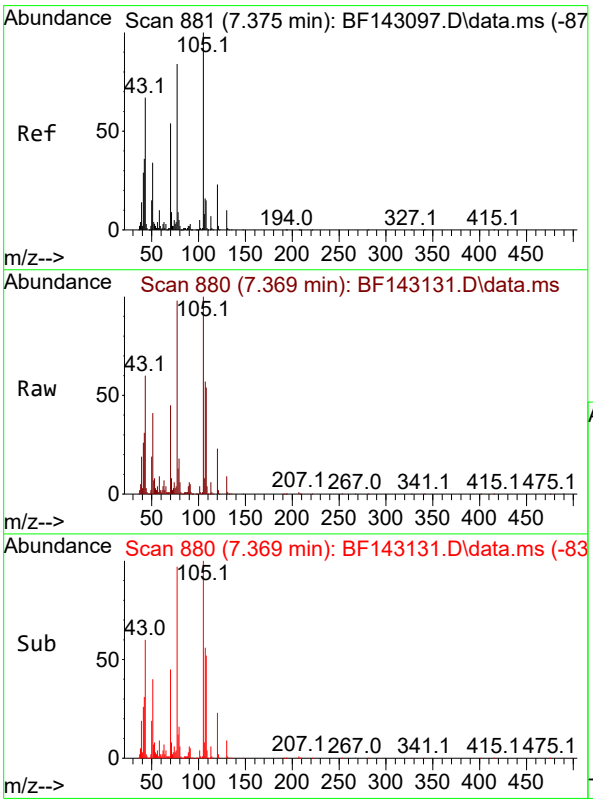
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:136 Resp: 579798

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	10.1	8.3	12.5
68	6.6	5.3	7.9

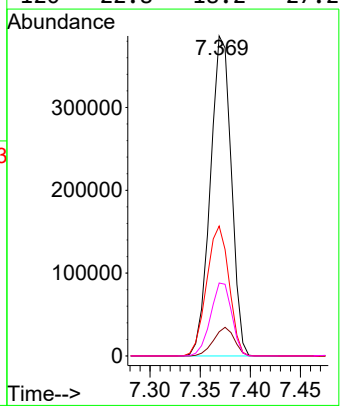


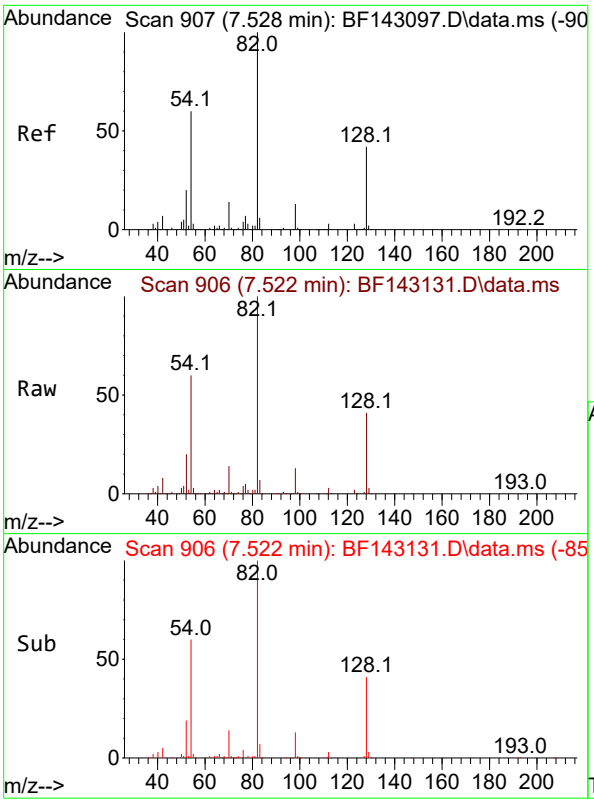


#22
Acetophenone
Concen: 40.253 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:105 Resp: 562591

Ion	Ratio	Lower	Upper
105	100		
71	7.5	7.2	10.8
51	40.6	27.0	40.4#
120	22.8	18.2	27.2



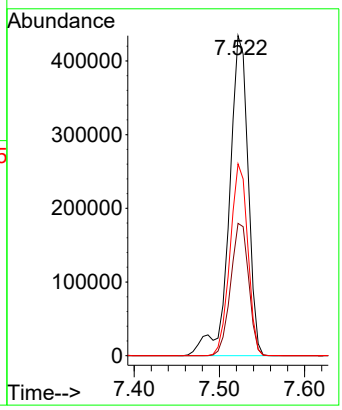


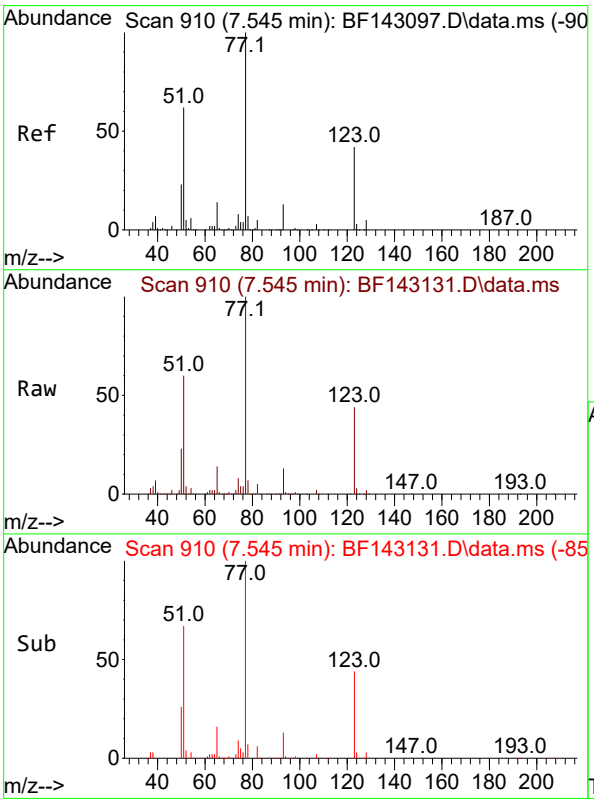
#23
Nitrobenzene-d5
Concen: 64.377 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 82 Resp: 665365

Ion	Ratio	Lower	Upper
82	100		
128	41.3	33.3	49.9
54	59.9	47.4	71.2

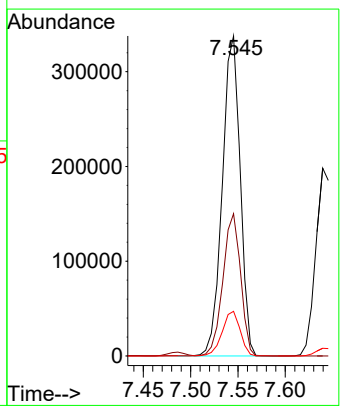


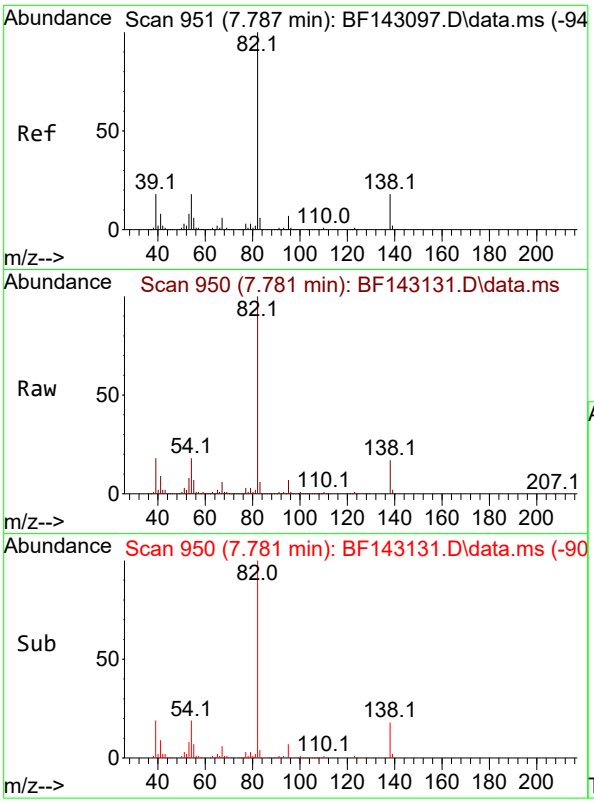


#24
Nitrobenzene
Concen: 44.525 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 77 Resp: 444251

Ion	Ratio	Lower	Upper
77	100		
123	44.4	34.5	51.7
65	14.0	11.3	16.9



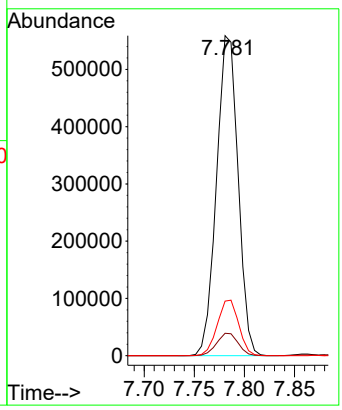


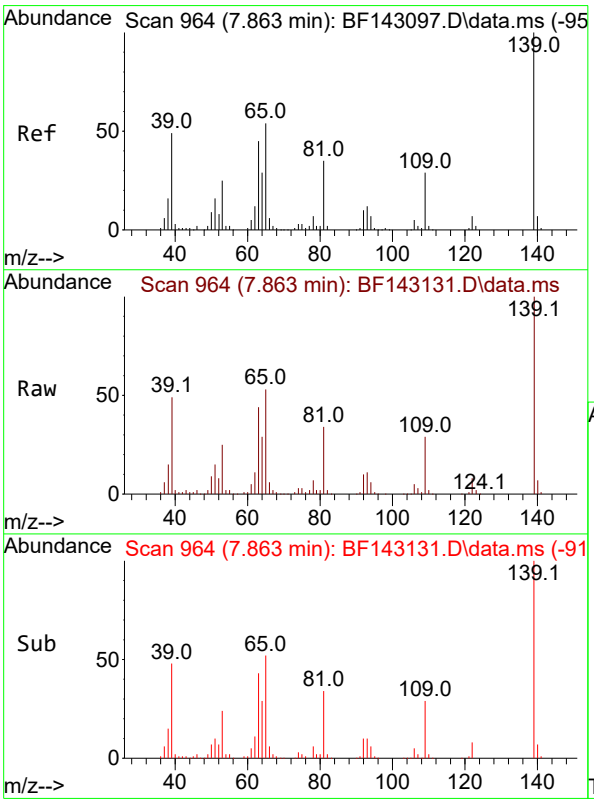
#25
Isophorone
Concen: 41.806 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 82 Resp: 835156

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.1	14.3	21.5

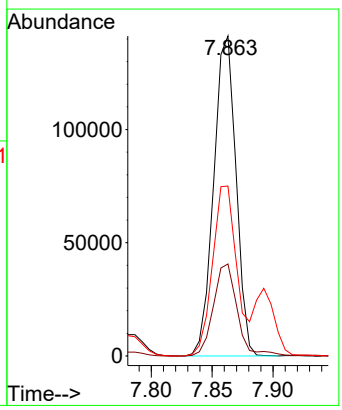


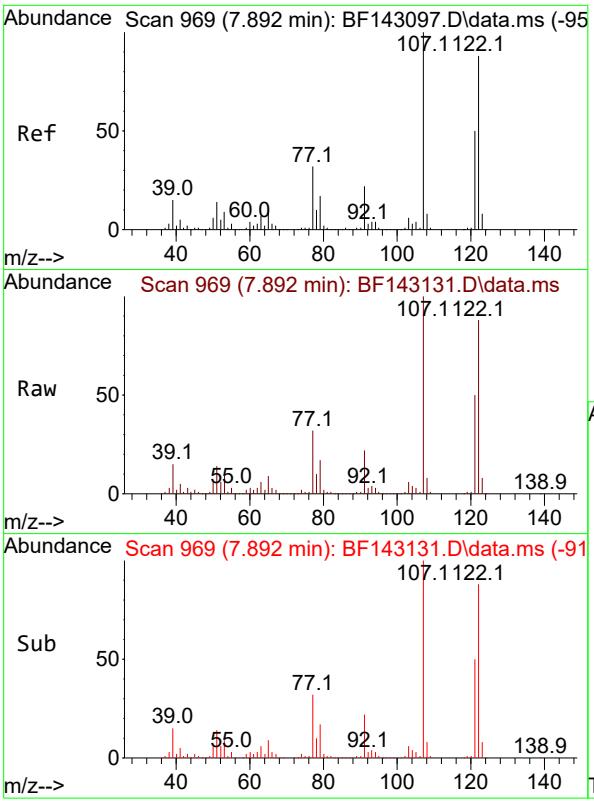


#26
2-Nitrophenol
Concen: 45.496 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:139 Resp: 180511

Ion	Ratio	Lower	Upper
139	100		
109	28.8	23.4	35.0
65	53.1	43.4	65.2



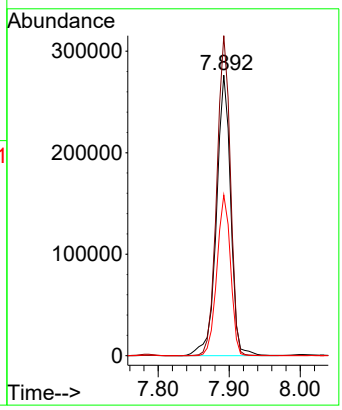


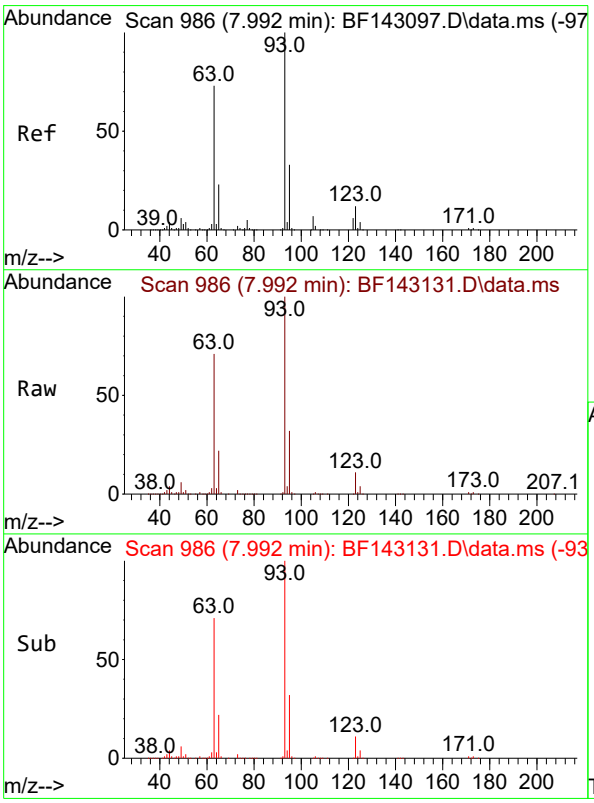
#27
2,4-Dimethylphenol
Concen: 41.254 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:122 Resp: 382507

Ion	Ratio	Lower	Upper
122	100		
107	114.1	91.3	136.9
121	57.3	45.5	68.3

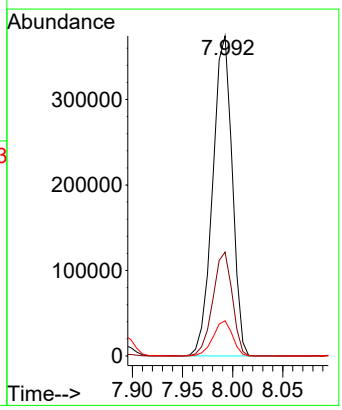


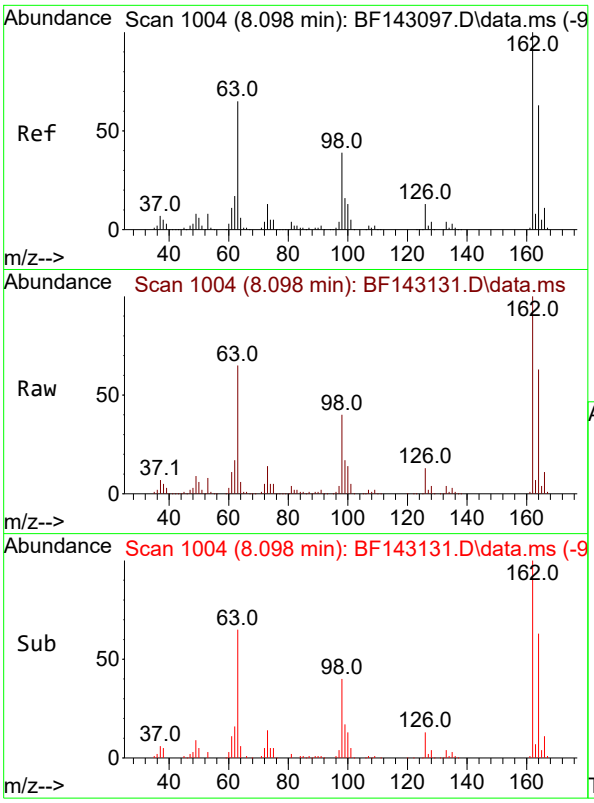


#28
bis(2-Chloroethoxy)methane
Concen: 41.798 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 93 Resp: 506341

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.4
123	11.0	9.6	14.4



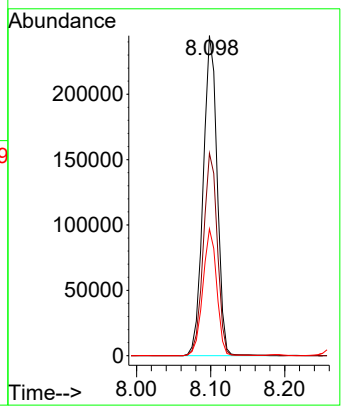


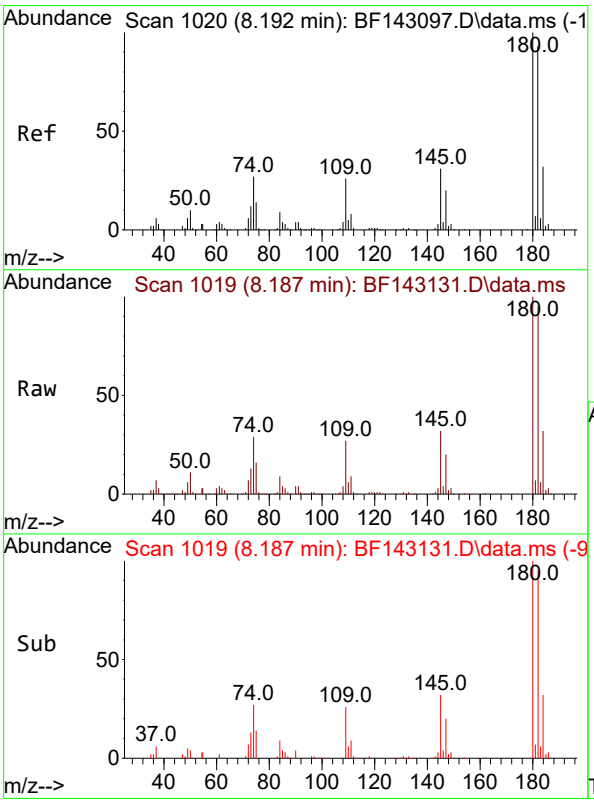
#29
2,4-Dichlorophenol
Concen: 42.379 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:162 Resp: 321458

Ion	Ratio	Lower	Upper
162	100		
164	63.2	43.1	83.1
98	39.6	19.2	59.2

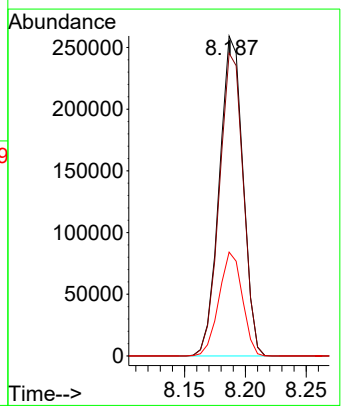


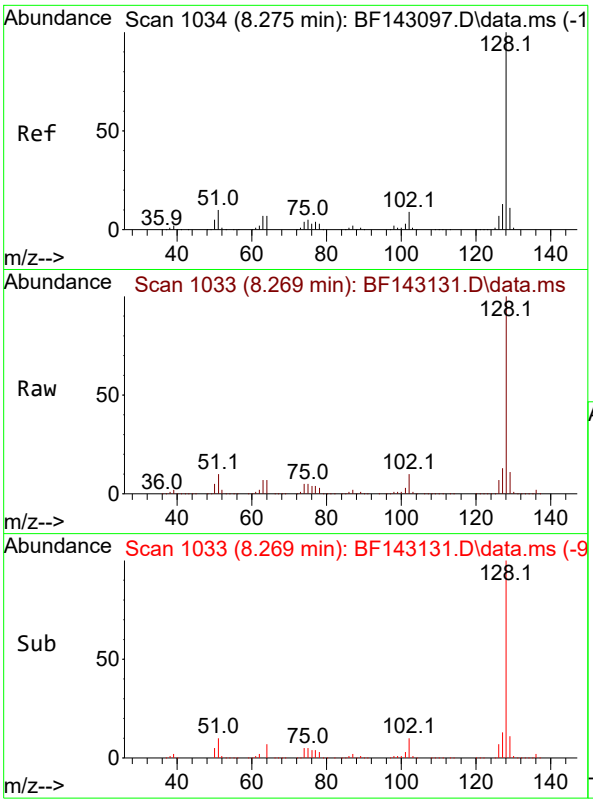


#30
1,2,4-Trichlorobenzene
Concen: 40.708 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:180 Resp: 350435

Ion	Ratio	Lower	Upper
180	100		
182	94.6	74.7	112.1
145	32.4	24.5	36.7



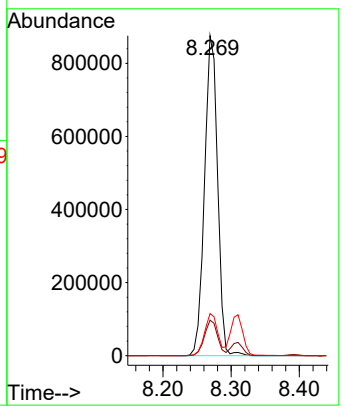


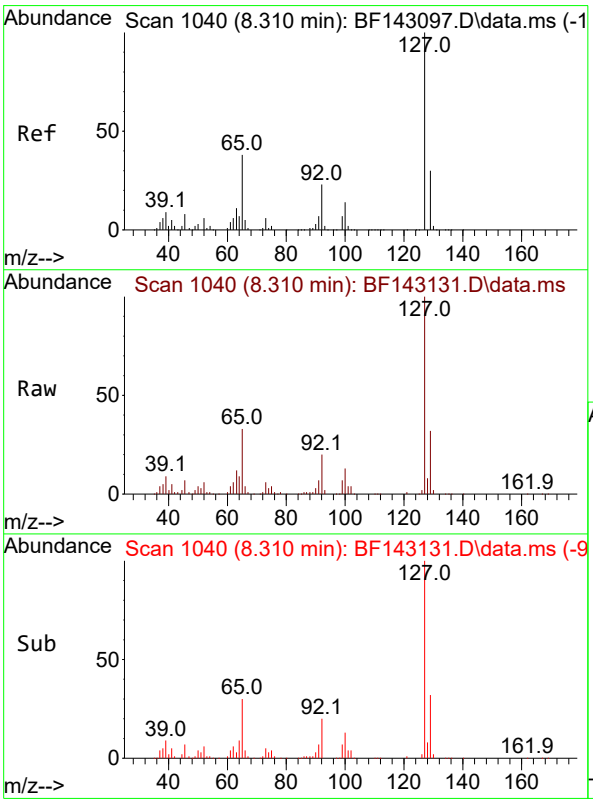
#31
Naphthalene
Concen: 40.495 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:128 Resp: 1165944

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.5	15.7

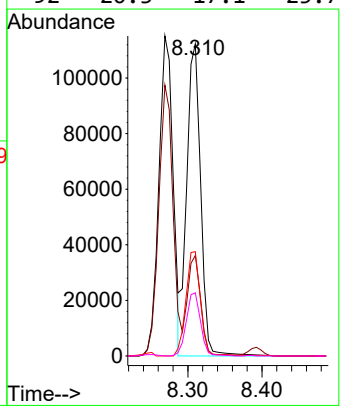


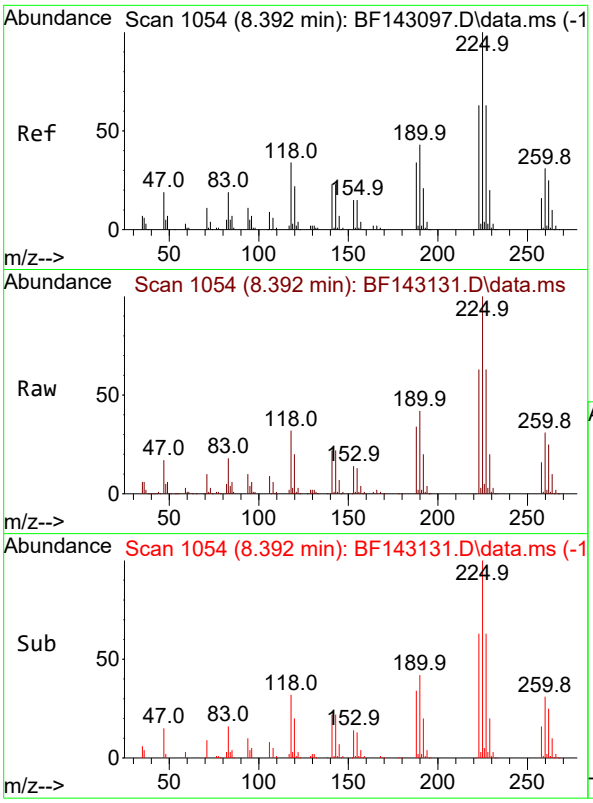


#33
4-Chloroaniline
Concen: 12.734 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:127 Resp: 147433

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.2	39.4
65	33.5	28.6	42.8
92	20.3	17.1	25.7



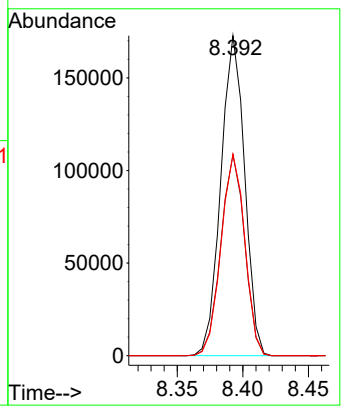


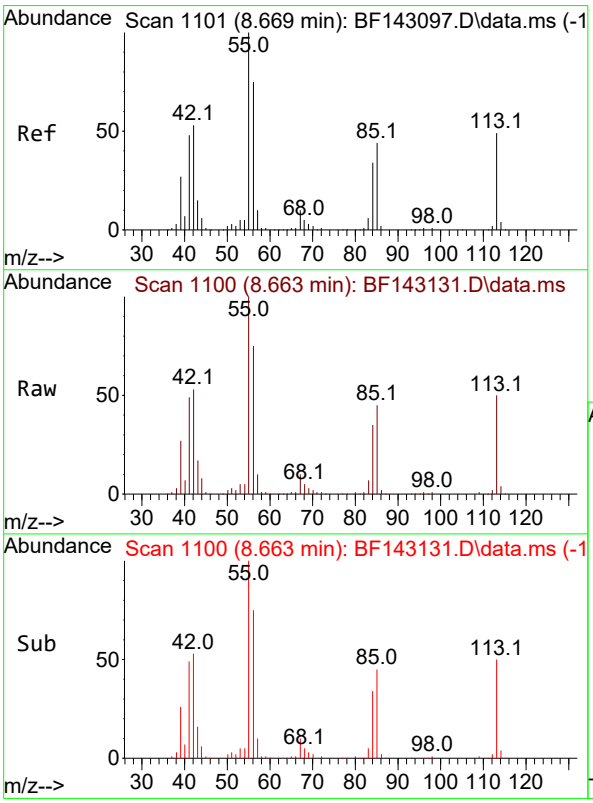
#34
Hexachlorobutadiene
Concen: 42.286 ng
RT: 8.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:225 Resp: 217703

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	62.9	50.1	75.1

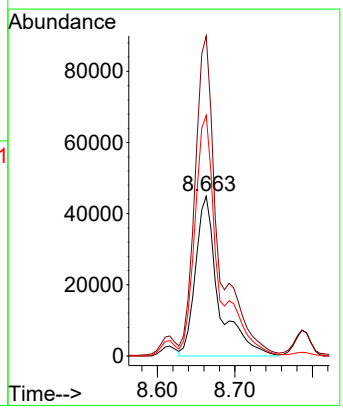


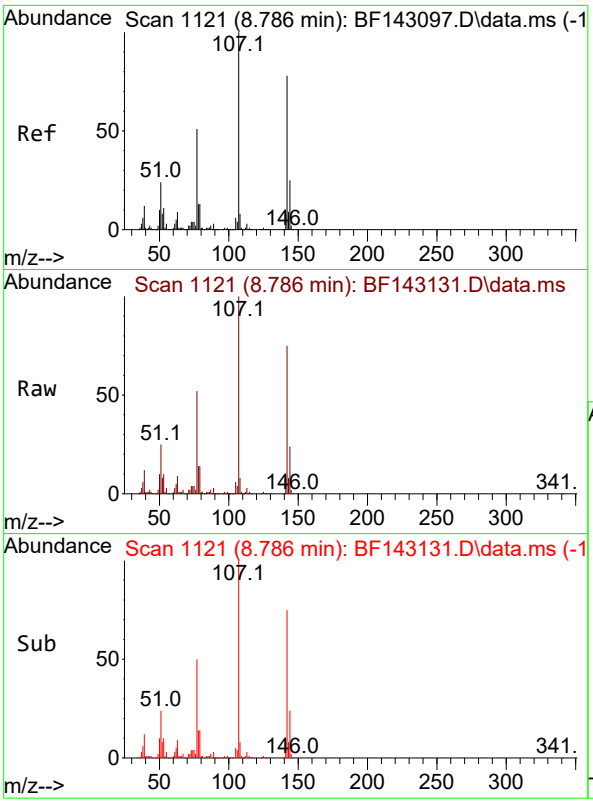


#35
Caprolactam
Concen: 39.408 ng
RT: 8.663 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:113 Resp: 93345

Ion	Ratio	Lower	Upper
113	100		
55	200.4	186.2	226.2
56	150.7	134.1	174.1



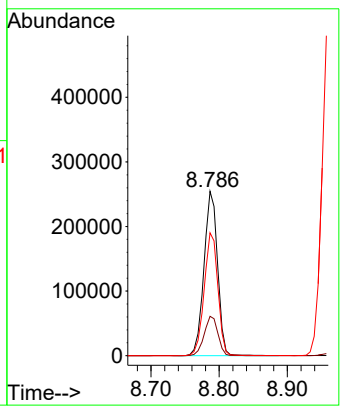


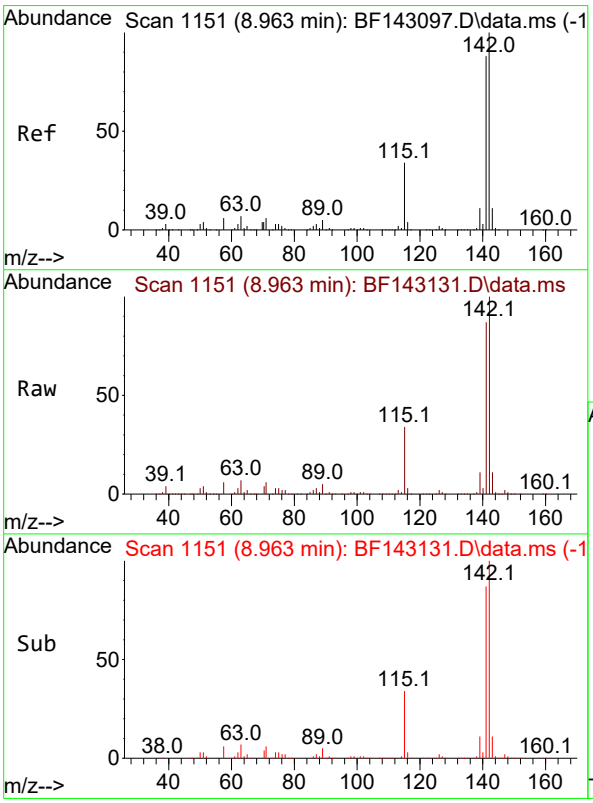
#36
4-Chloro-3-methylphenol
Concen: 41.831 ng
RT: 8.786 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:107 Resp: 353459

Ion	Ratio	Lower	Upper
107	100		
144	23.9	20.2	30.2
142	74.8	62.4	93.6

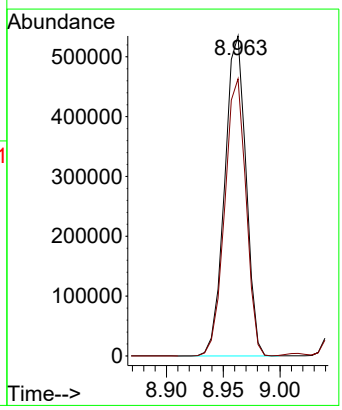


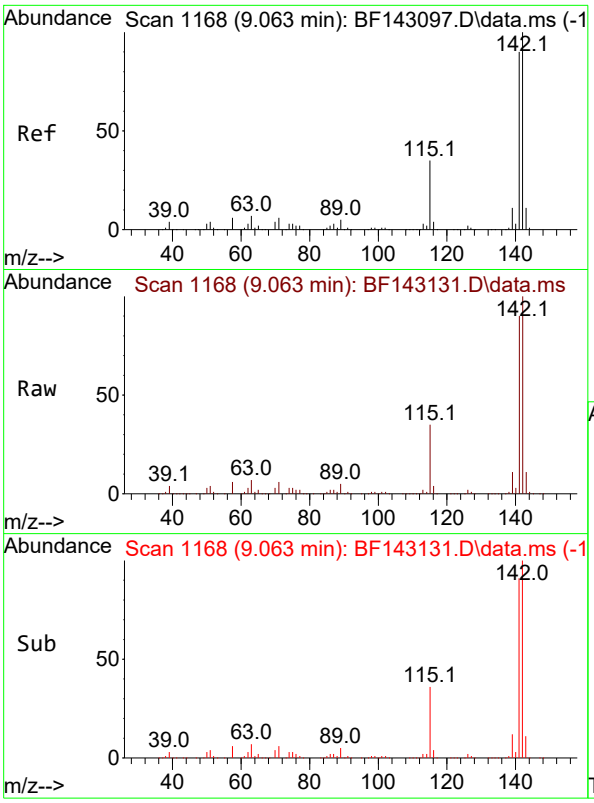


#37
2-Methylnaphthalene
Concen: 40.605 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:142 Resp: 697441

Ion	Ratio	Lower	Upper
142	100		
141	86.6	70.2	105.2



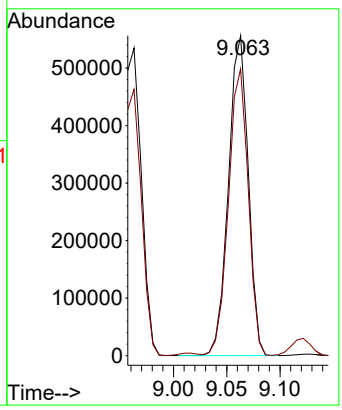


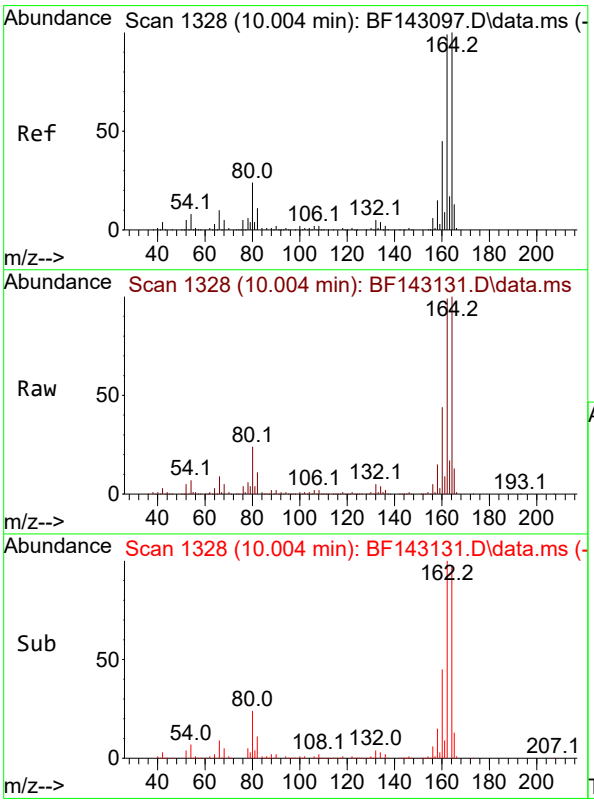
#38
1-Methylnaphthalene
Concen: 40.346 ng
RT: 9.063 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:142 Resp: 718769

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.2	108.4

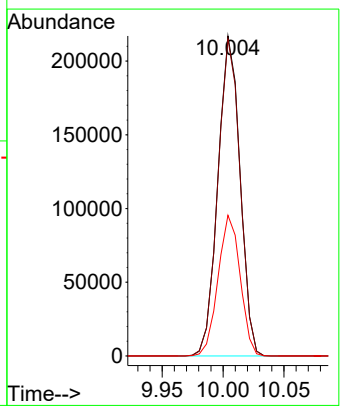


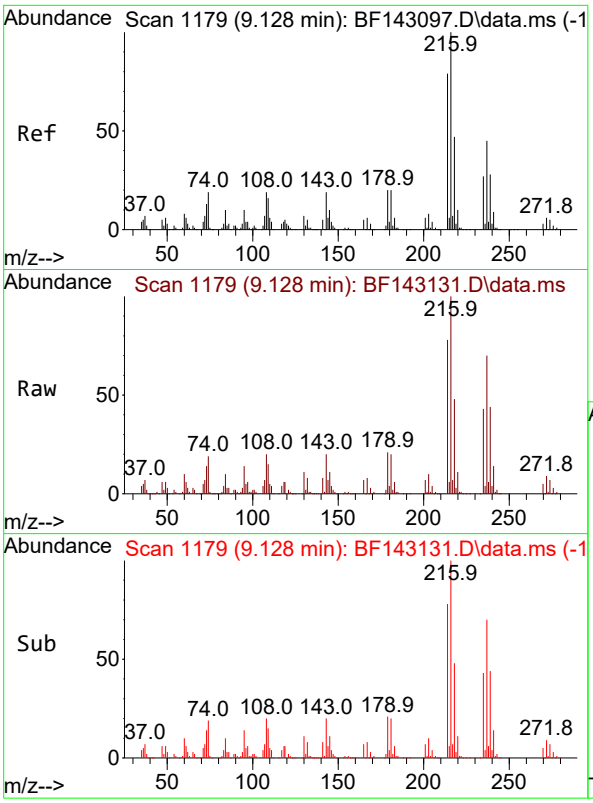


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:164 Resp: 274749

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.0	118.6
160	44.0	35.8	53.6



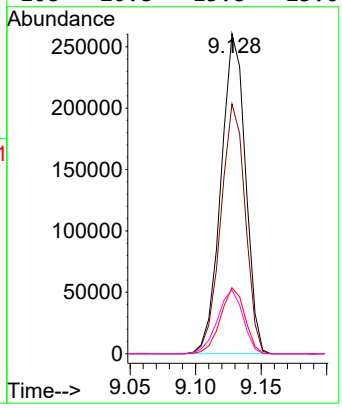


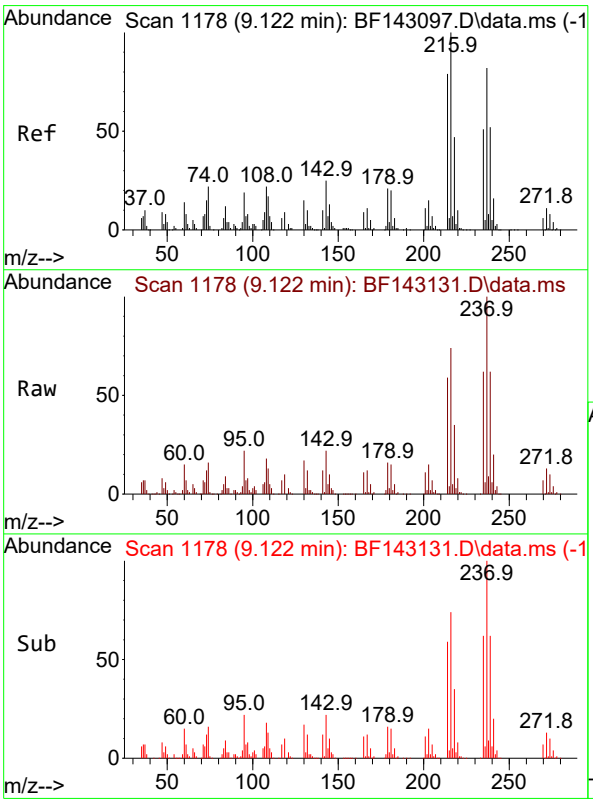
#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.197 ng
RT: 9.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:216 Resp: 337867

Ion	Ratio	Lower	Upper
216	100		
214	77.9	62.6	94.0
179	20.5	16.2	24.2
108	20.8	15.8	23.6

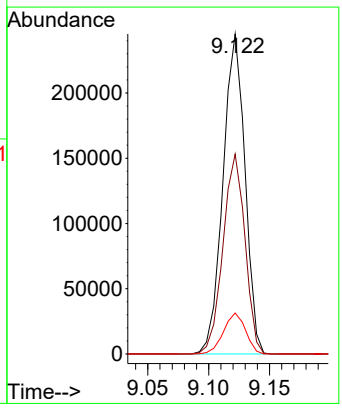


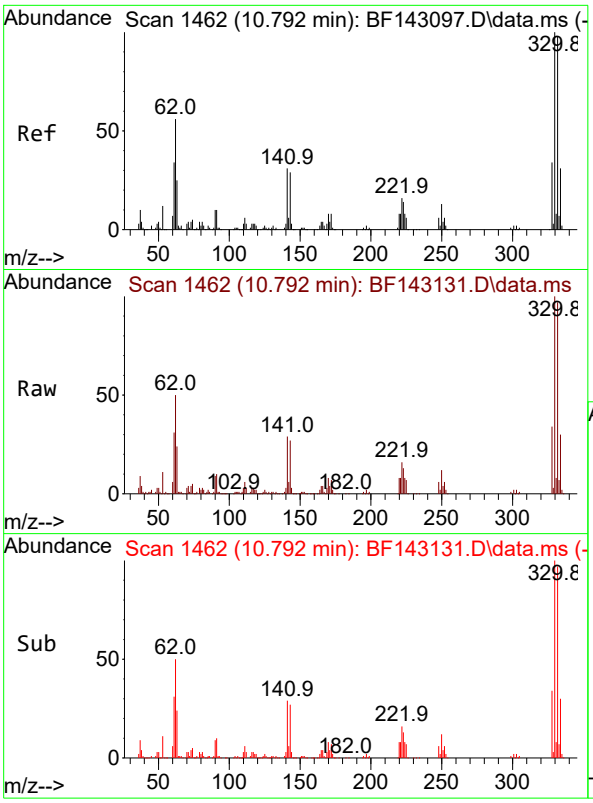


#41
Hexachlorocyclopentadiene
Concen: 69.565 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:237 Resp: 308813

Ion	Ratio	Lower	Upper
237	100		
235	62.4	41.6	81.6
272	12.8	0.0	32.9



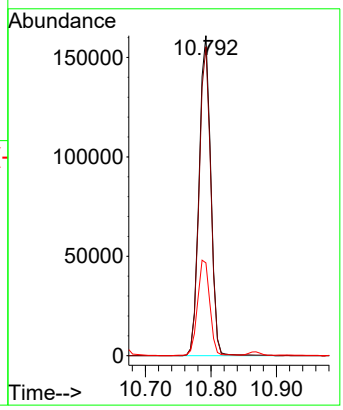


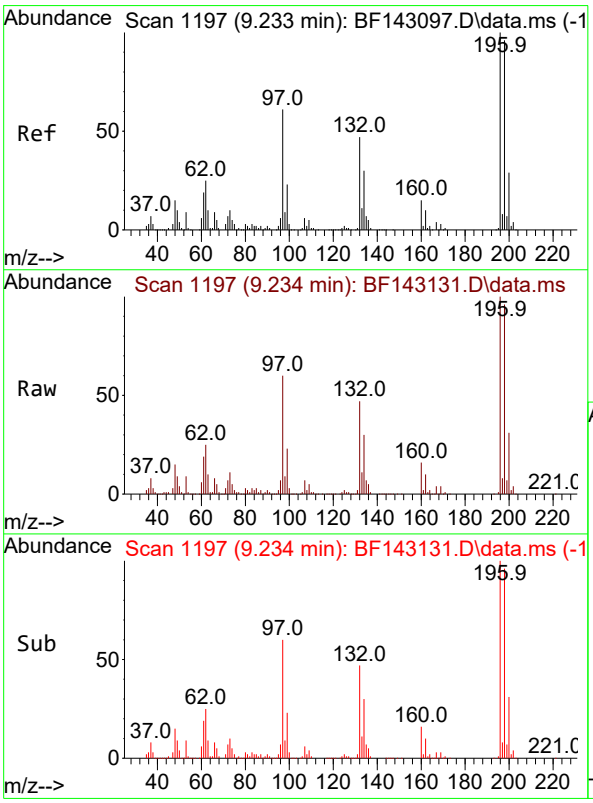
#42
2,4,6-Tribromophenol
Concen: 81.600 ng
RT: 10.792 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:330 Resp: 199903

Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.9	116.9
141	31.5	25.9	38.9

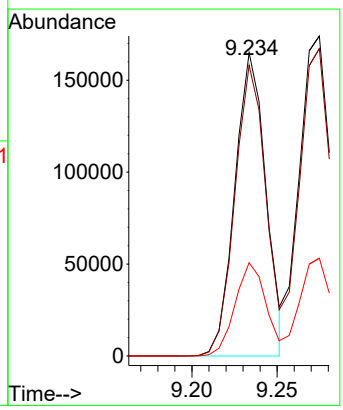


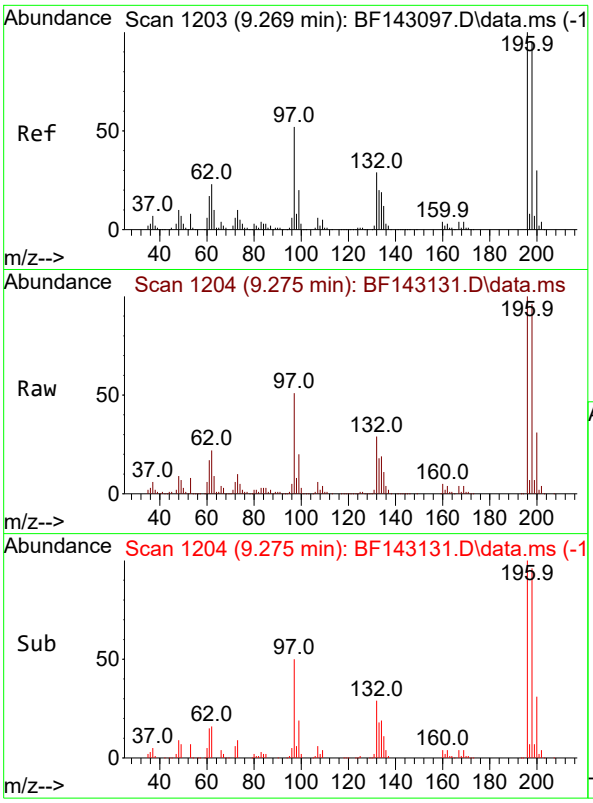


#43
2,4,6-Trichlorophenol
Concen: 41.813 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:196 Resp: 208024

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.9	115.3
200	30.8	23.5	35.3



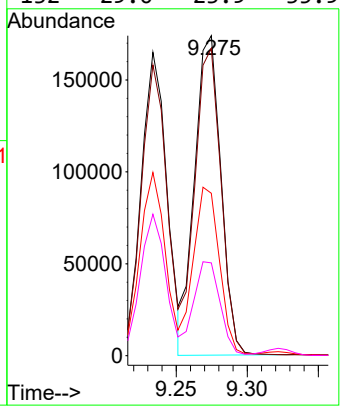


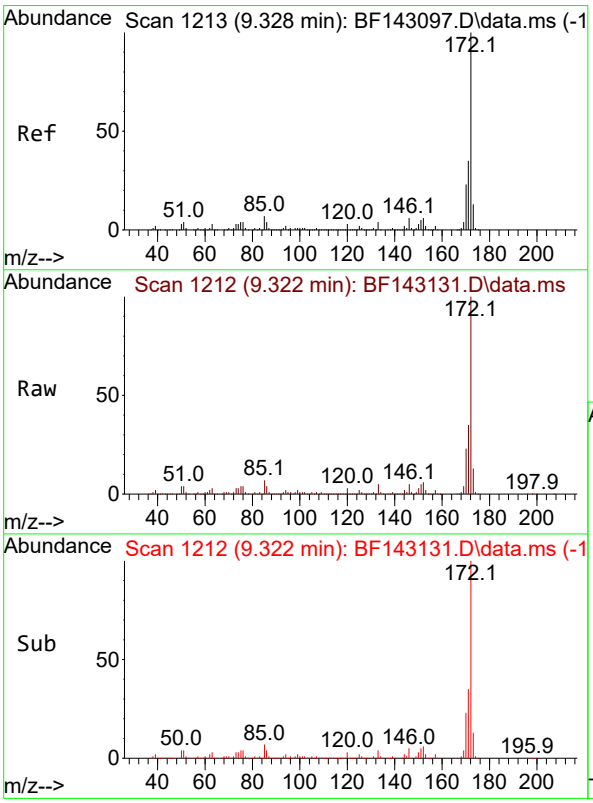
#44
2,4,5-Trichlorophenol
Concen: 42.999 ng
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:196 Resp: 224311

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.4	114.6
97	50.7	42.4	63.6
132	29.0	23.9	35.9

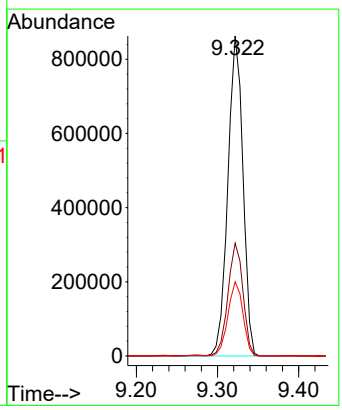


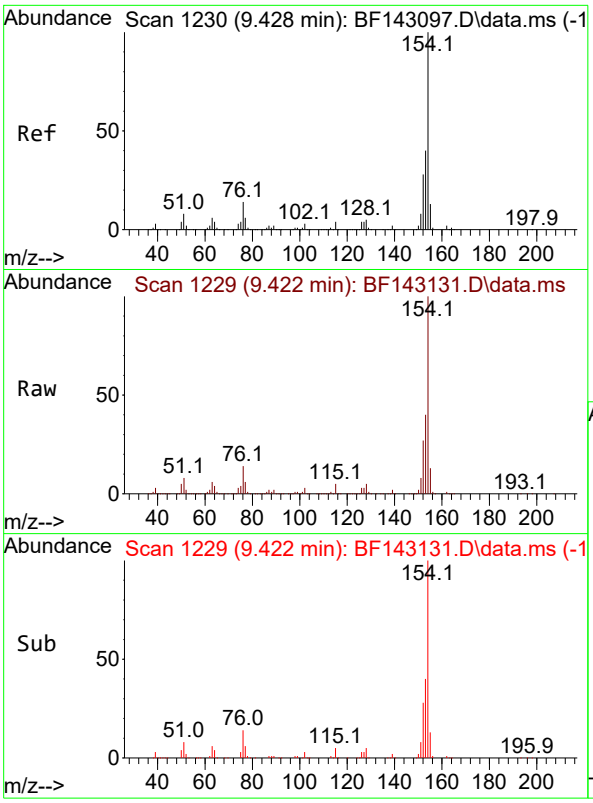


#45
2-Fluorobiphenyl
Concen: 53.889 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:172 Resp: 1113827

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.2	18.6	28.0



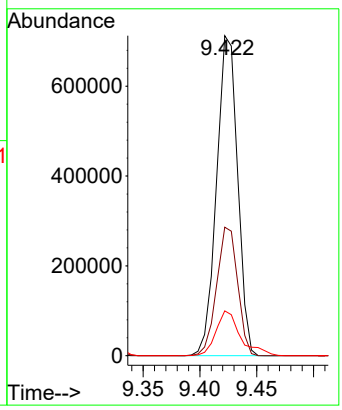


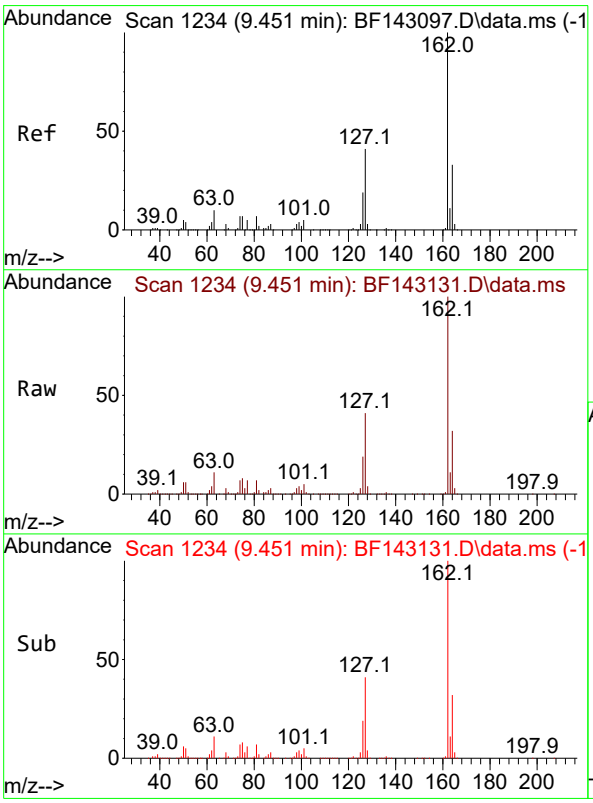
#46
1,1'-Biphenyl
Concen: 41.942 ng
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:154 Resp: 918974

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	14.0	0.0	33.7

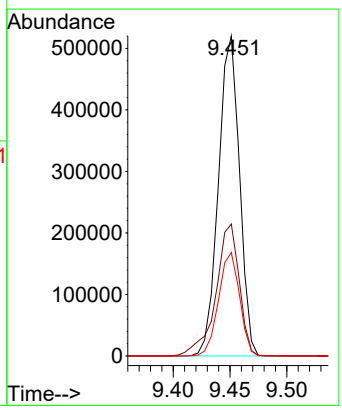


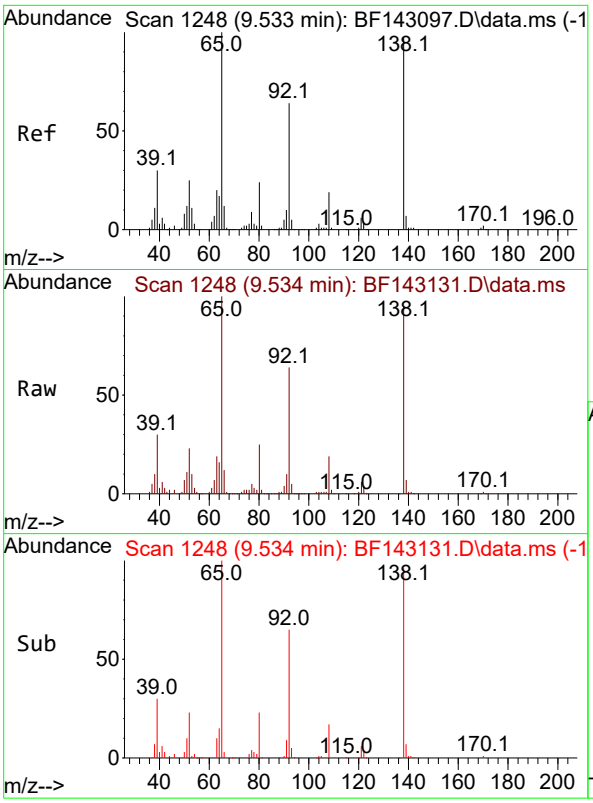


#47
2-Chloronaphthalene
Concen: 41.742 ng
RT: 9.451 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:162 Resp: 671890

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.0	49.6
164	32.3	26.1	39.1



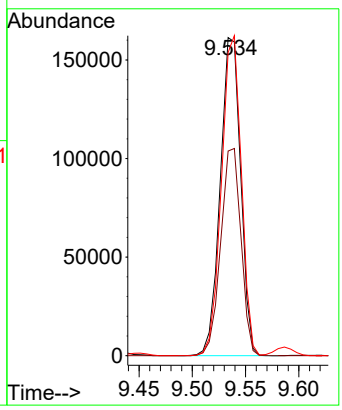


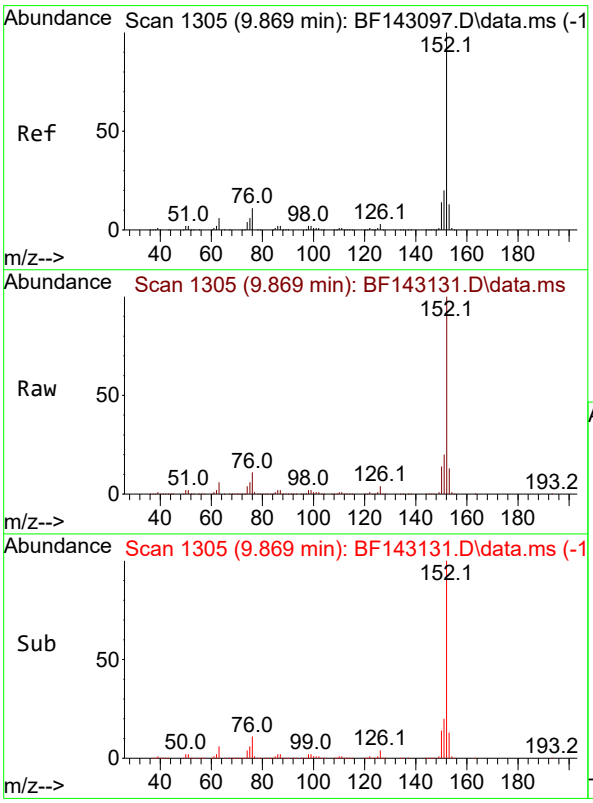
#48
2-Nitroaniline
Concen: 44.804 ng
RT: 9.534 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion: 65 Resp: 214232

Ion	Ratio	Lower	Upper
65	100		
92	64.3	51.3	76.9
138	95.3	77.8	116.6

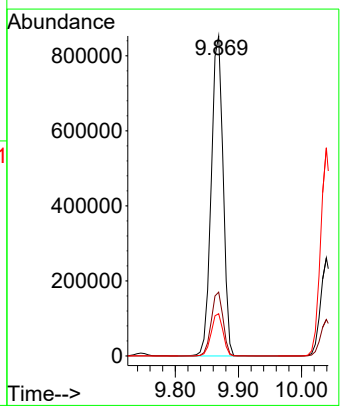


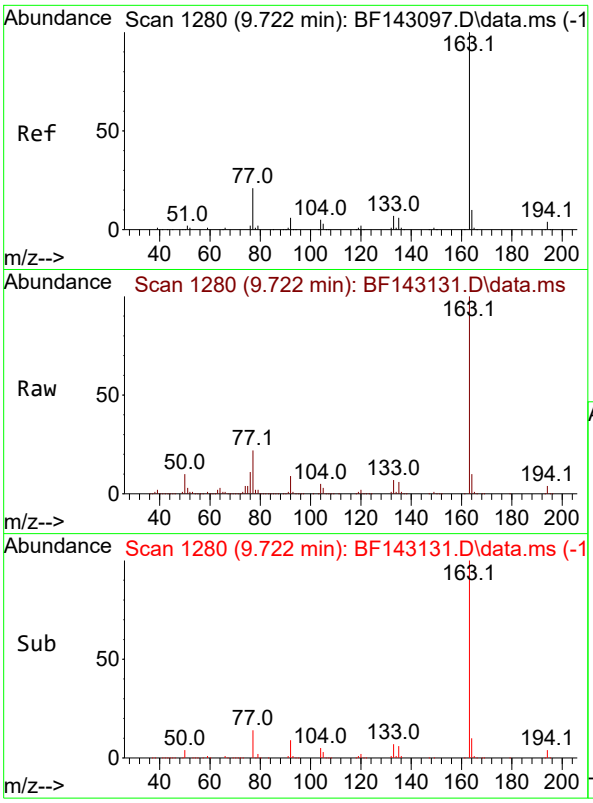


#49
Acenaphthylene
Concen: 41.420 ng
RT: 9.869 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:152 Resp: 1110952

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.2	10.4	15.6



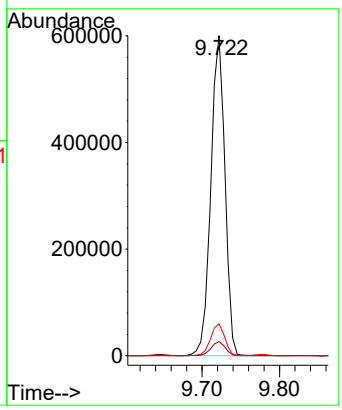


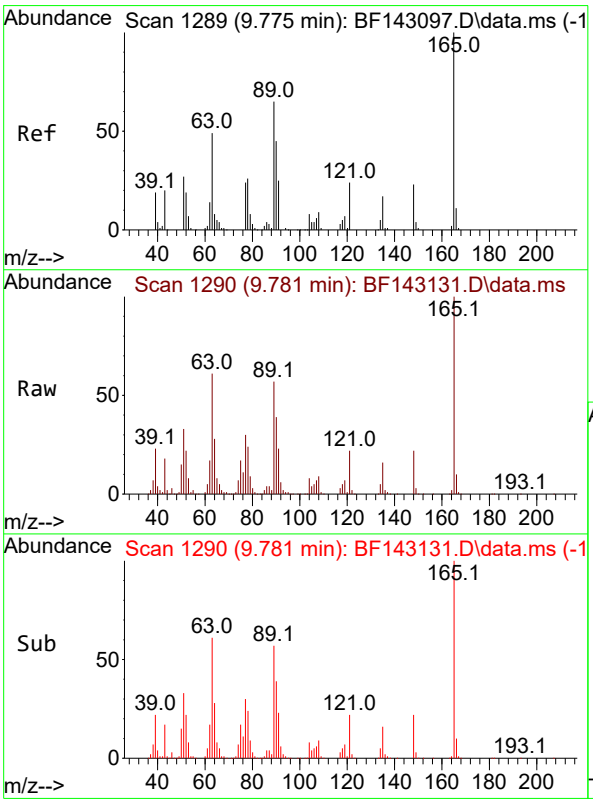
#50
Dimethylphthalate
Concen: 43.880 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:163 Resp: 758469

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.0	8.2	12.2

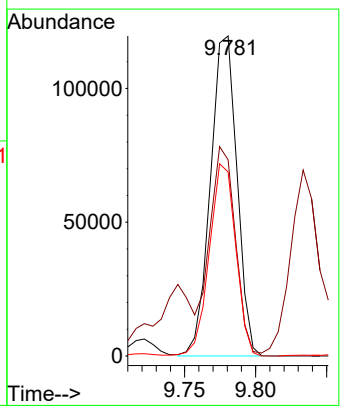


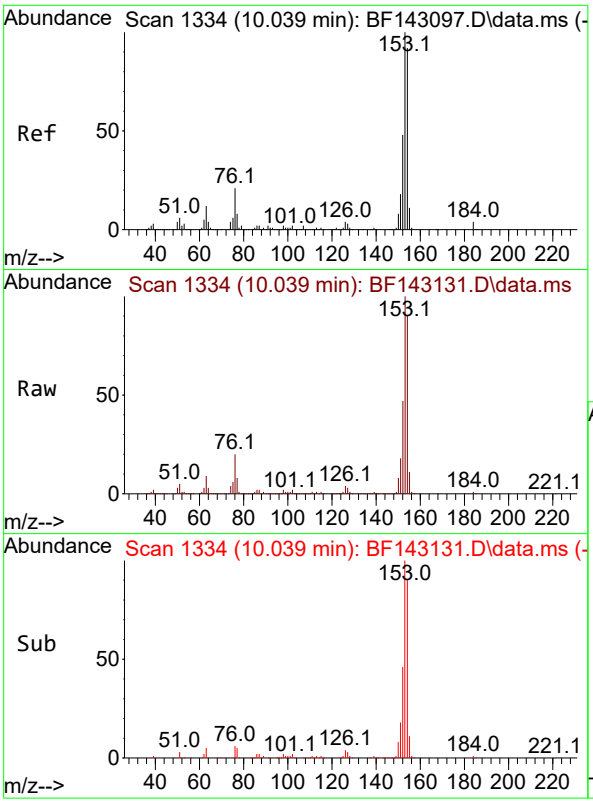


#51
2,6-Dinitrotoluene
Concen: 45.740 ng
RT: 9.781 min Scan# 1290
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:165 Resp: 155746

Ion	Ratio	Lower	Upper
165	100		
63	61.3	57.4	86.0
89	57.5	51.8	77.8



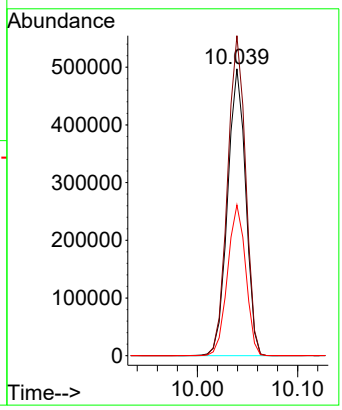


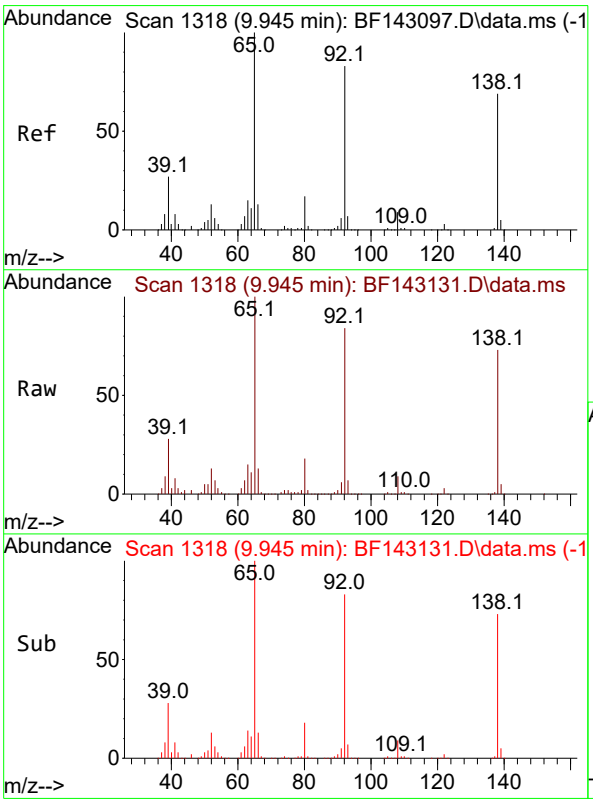
#52
Acenaphthene
Concen: 39.334 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:154 Resp: 622567

Ion	Ratio	Lower	Upper
154	100		
153	111.5	86.7	130.1
152	52.5	41.4	62.2

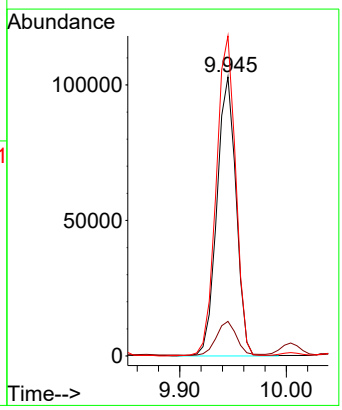


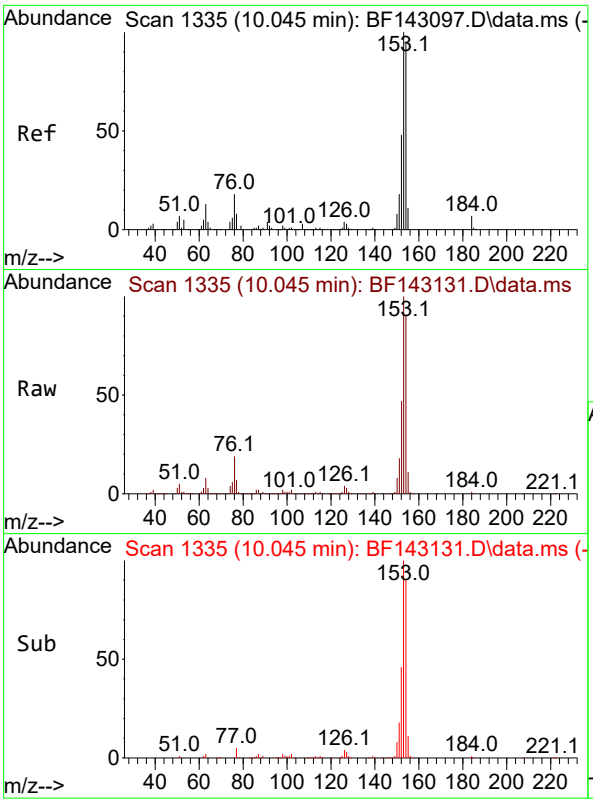


#53
3-Nitroaniline
Concen: 34.449 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:138 Resp: 128666

Ion	Ratio	Lower	Upper
138	100		
108	12.4	10.1	15.1
92	114.7	96.4	144.6



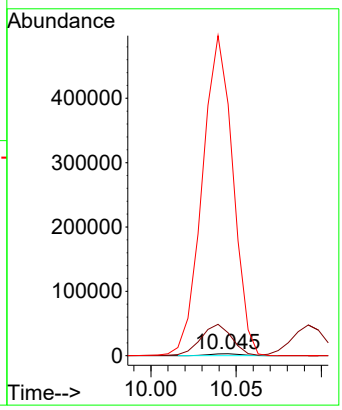


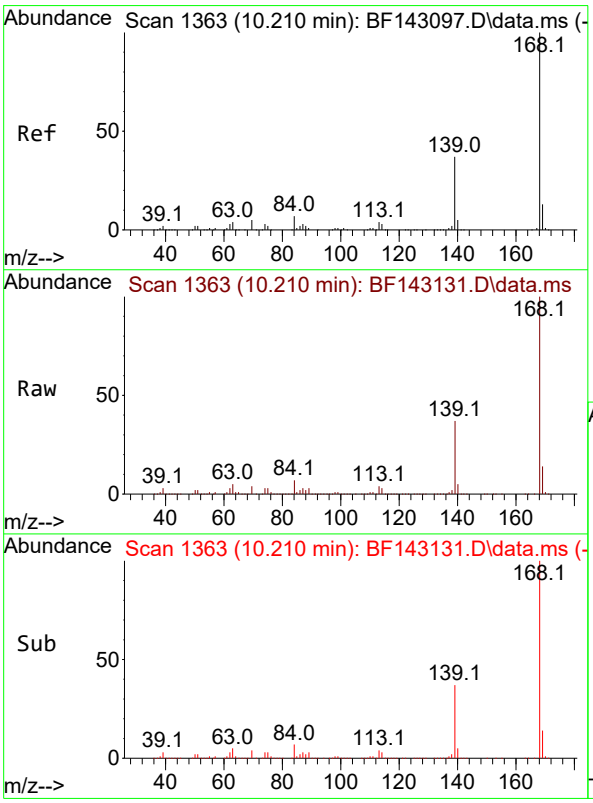
#54
2,4-Dinitrophenol
Concen: 8.800 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:184 Resp: 3818

Ion	Ratio	Lower	Upper
184	100		
63	1195.6	149.3	223.9#
154	13117.7	1048.0	1572.0#

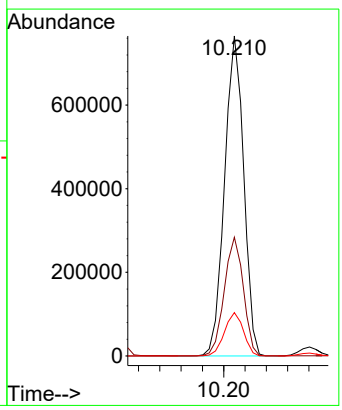


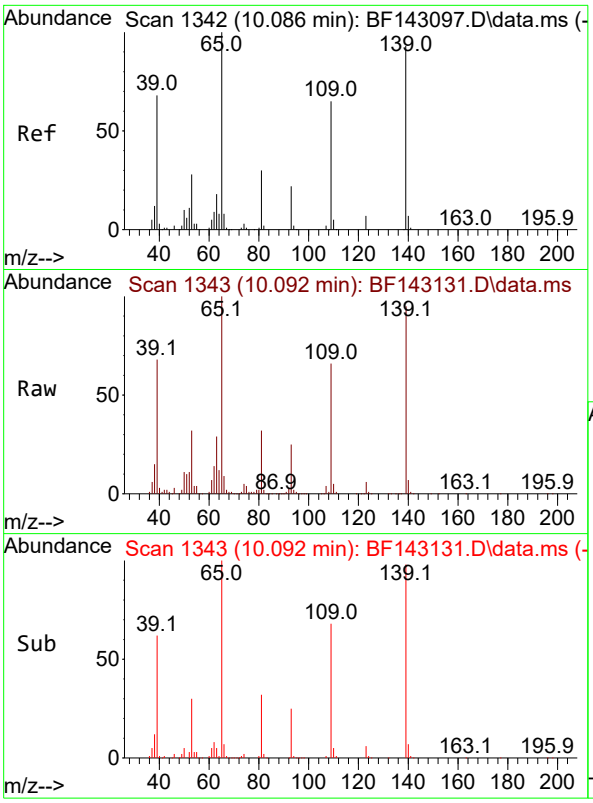


#55
Dibenzofuran
Concen: 40.449 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:168 Resp: 954263

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.6
169	13.6	10.8	16.2



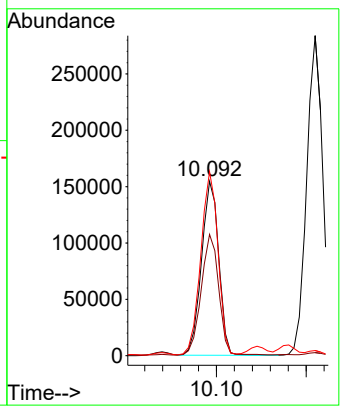


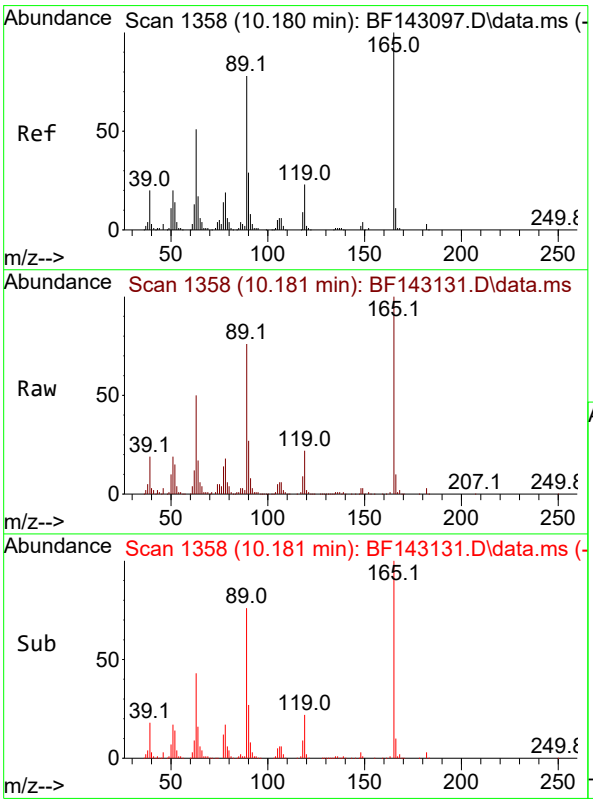
#56
4-Nitrophenol
Concen: 69.375 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:139 Resp: 205928

Ion	Ratio	Lower	Upper
139	100		
109	69.5	49.4	89.4
65	105.5	88.2	128.2

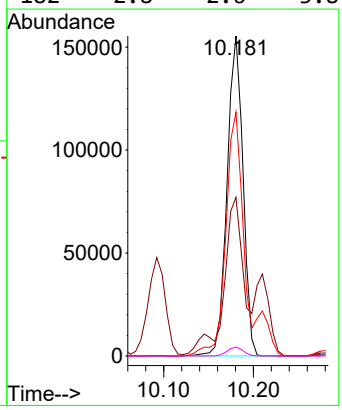


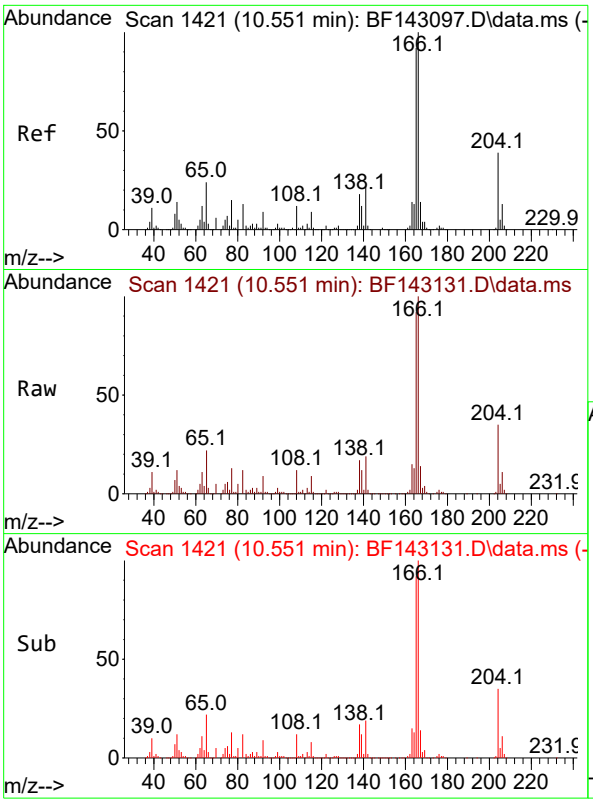


#57
2,4-Dinitrotoluene
Concen: 45.006 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:165 Resp: 190989

Ion	Ratio	Lower	Upper
165	100		
63	49.6	40.6	61.0
89	76.2	62.3	93.5
182	2.8	2.6	3.8



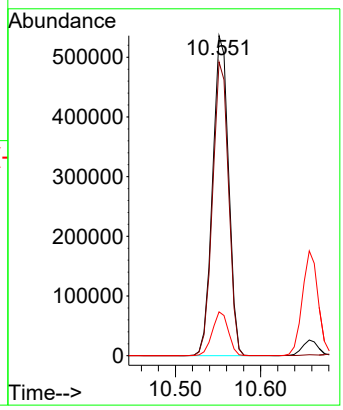


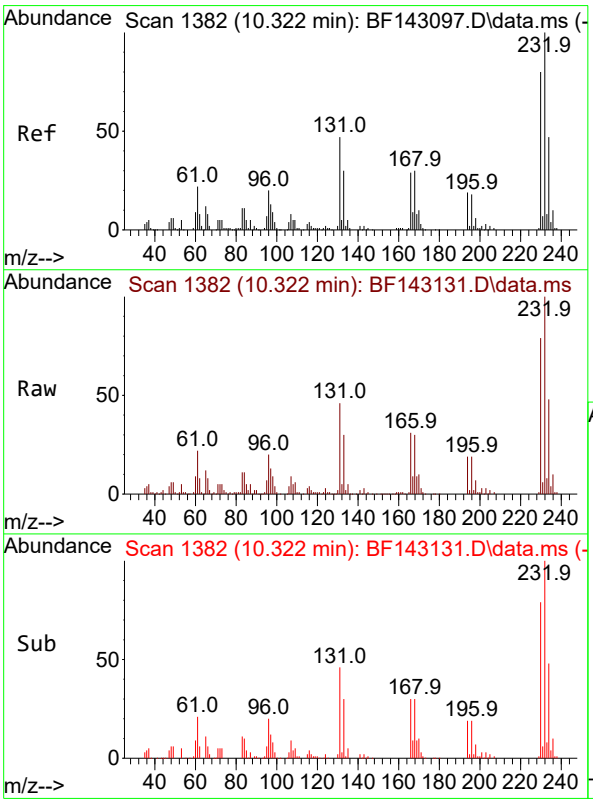
#58
Fluorene
Concen: 39.512 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:166 Resp: 698855

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.7	10.9	16.3

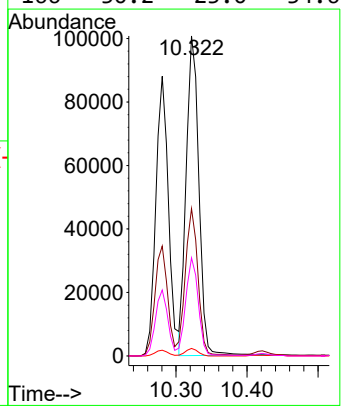


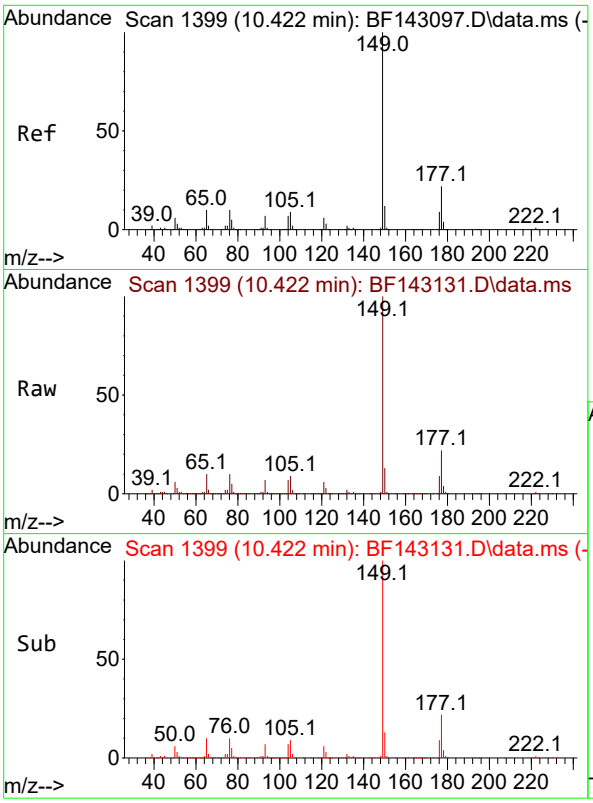


#59
2,3,4,6-Tetrachlorophenol
Concen: 30.182 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:232 Resp: 125120

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.9	55.3
130	2.3	1.8	2.8
166	30.2	23.0	34.6



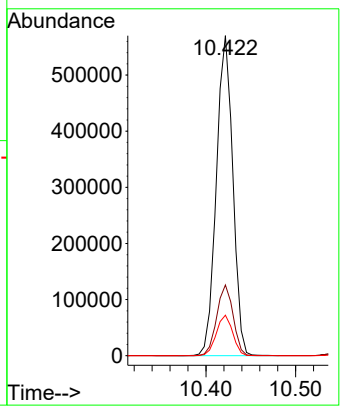


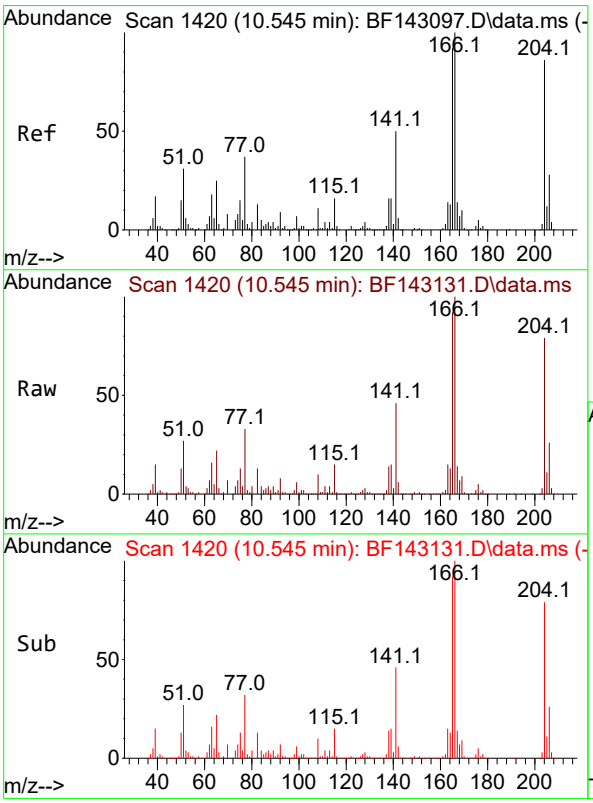
#60
Diethylphthalate
Concen: 43.562 ng
RT: 10.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:149 Resp: 726438

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.3	25.9
150	12.7	9.9	14.9

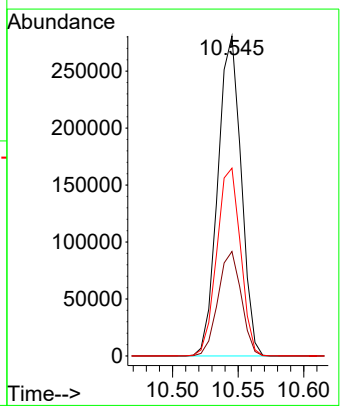


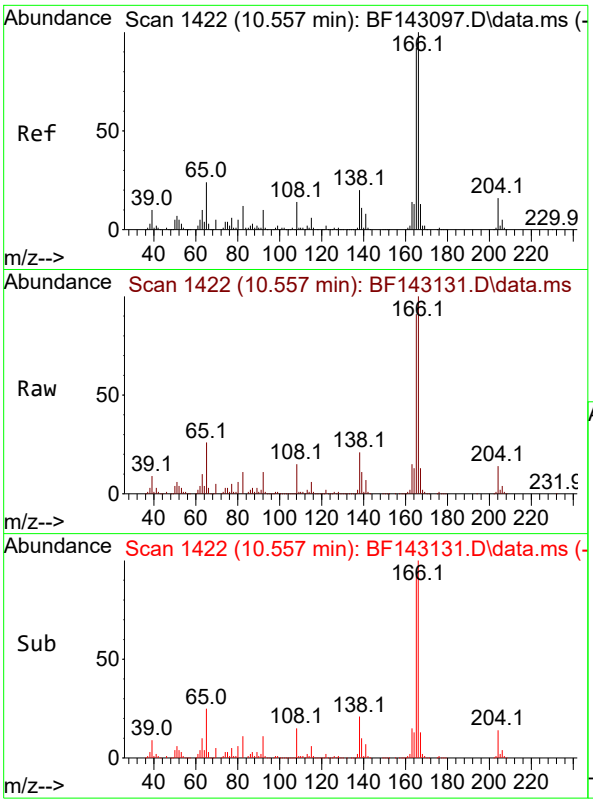


#61
4-Chlorophenyl-phenylether
Concen: 40.891 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:204 Resp: 346653

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	58.7	46.8	70.2



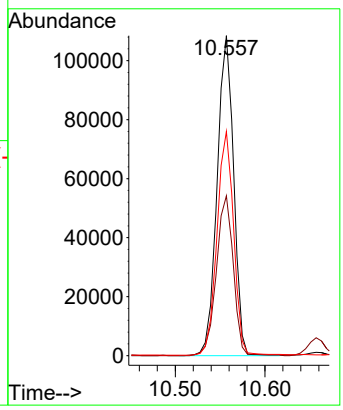


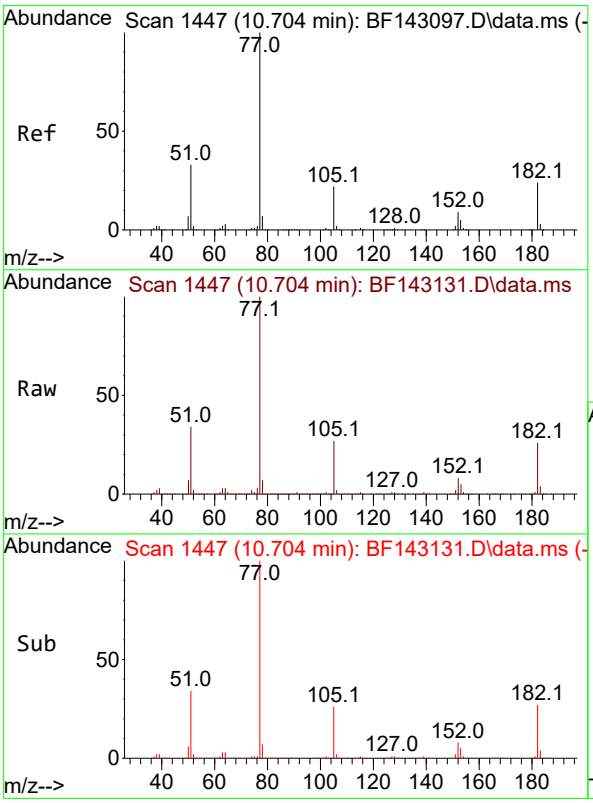
#62
4-Nitroaniline
Concen: 42.763 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:138 Resp: 138893

Ion	Ratio	Lower	Upper
138	100		
92	50.0	30.4	70.4
108	70.1	49.5	89.5

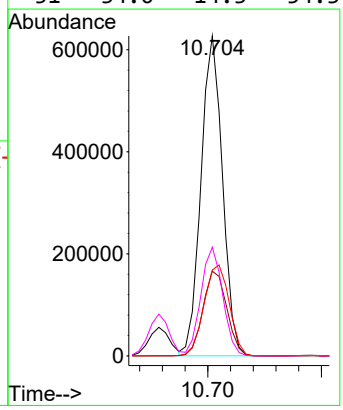


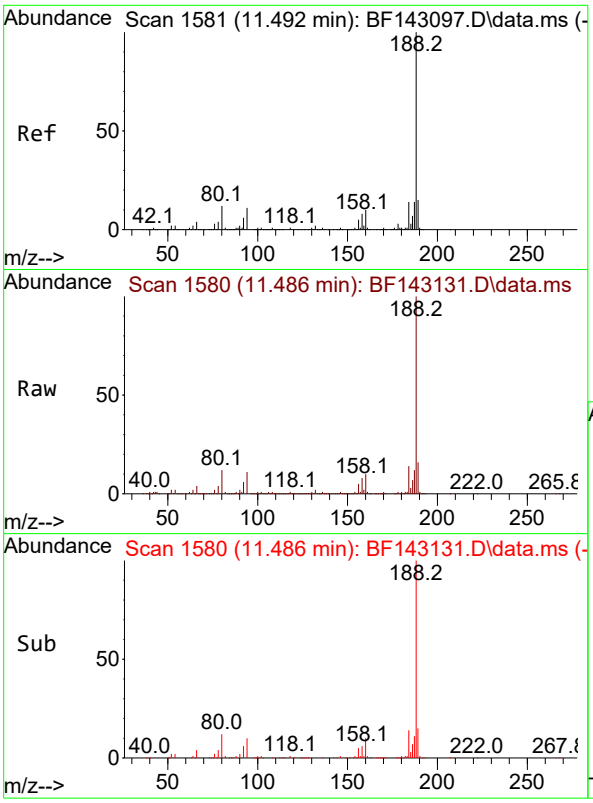


#63
Azobenzene
Concen: 44.607 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion: 77 Resp: 822670

Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.0	44.0
105	26.8	1.4	41.4
51	34.0	14.3	54.3



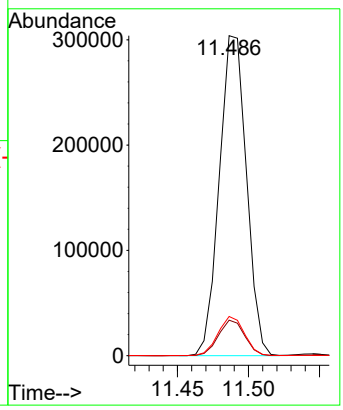


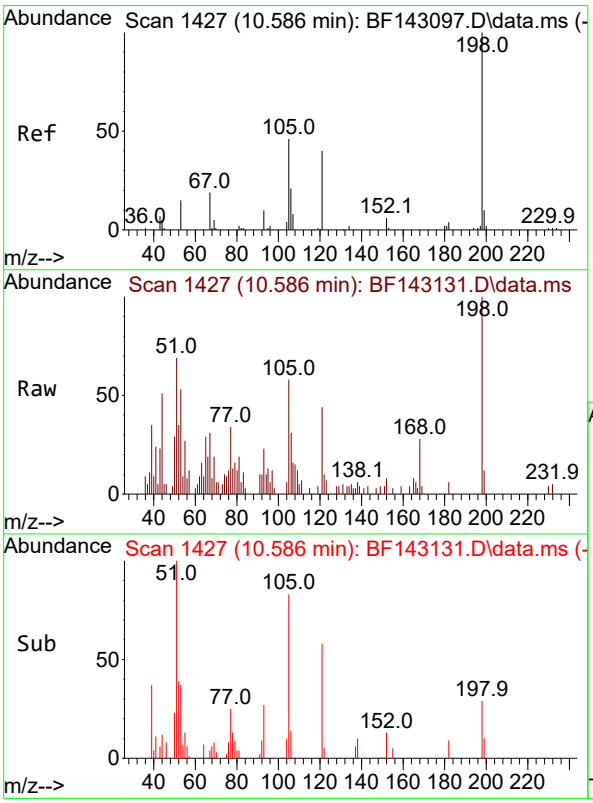
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:188 Resp: 404136

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.6	13.0
80	12.3	9.3	13.9

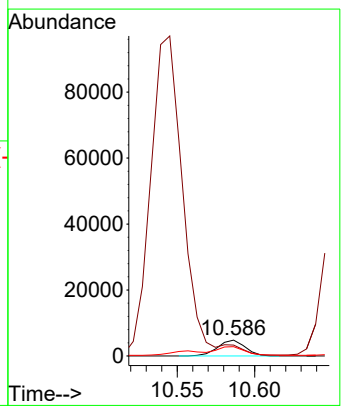


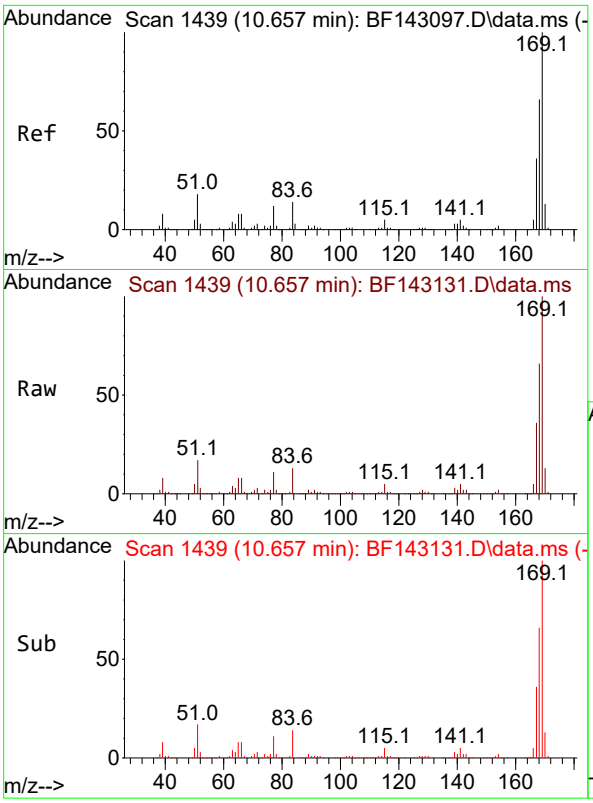


#65
4,6-Dinitro-2-methylphenol
Concen: 9.550 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:198 Resp: 5912

Ion	Ratio	Lower	Upper
198	100		
51	68.8	44.6	84.6
105	58.2	29.3	69.3



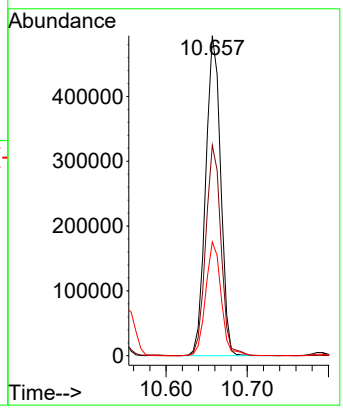


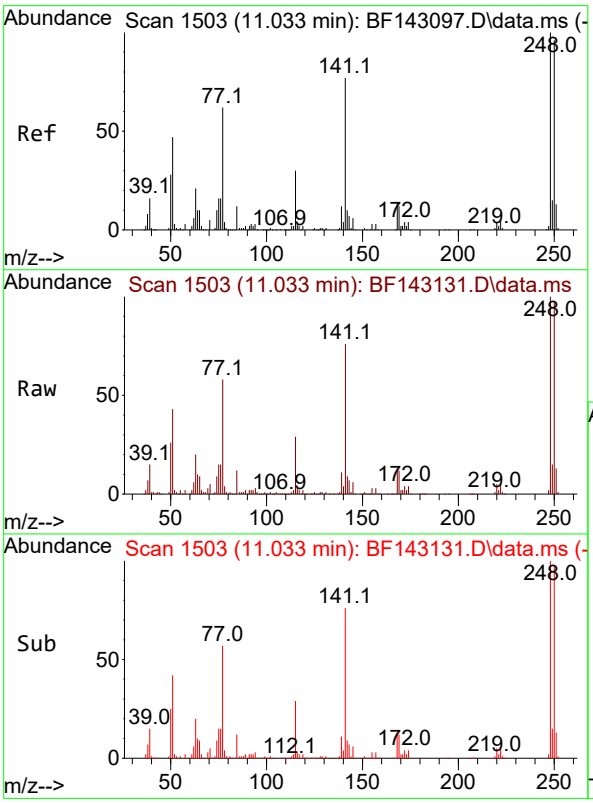
#66
n-Nitrosodiphenylamine
Concen: 44.342 ng
RT: 10.657 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:169 Resp: 629474

Ion	Ratio	Lower	Upper
169	100		
168	65.8	53.0	79.6
167	35.6	28.4	42.6

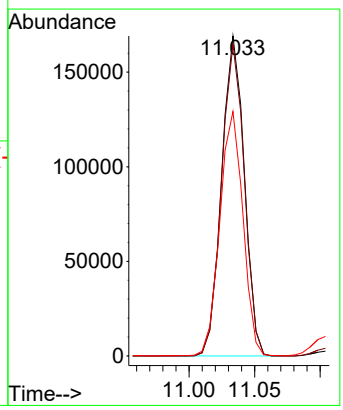


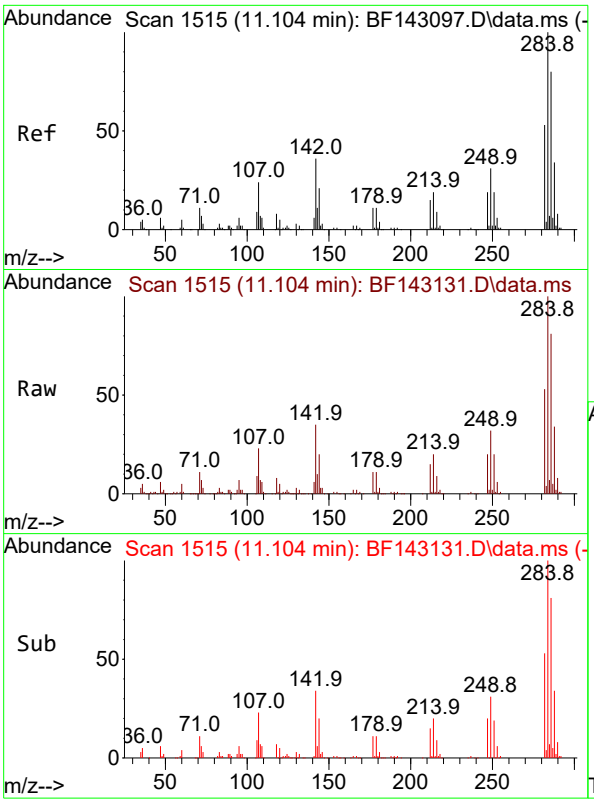


#67
4-Bromophenyl-phenylether
Concen: 44.257 ng
RT: 11.033 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:248 Resp: 203399

Ion	Ratio	Lower	Upper
248	100		
250	97.4	76.7	115.1
141	76.4	61.7	92.5



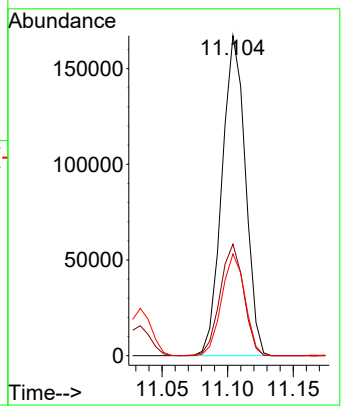


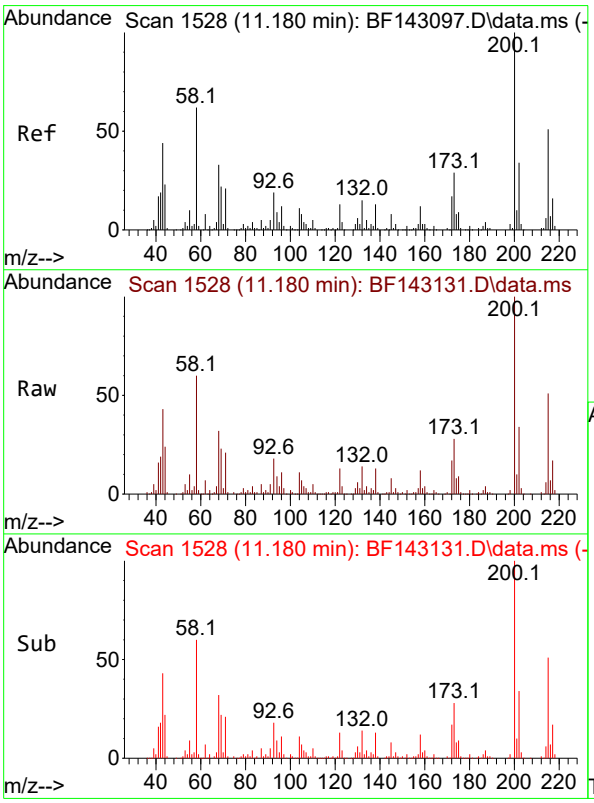
#68
Hexachlorobenzene
Concen: 42.555 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:284 Resp: 207516

Ion	Ratio	Lower	Upper
284	100		
142	34.8	28.9	43.3
249	31.8	24.6	37.0

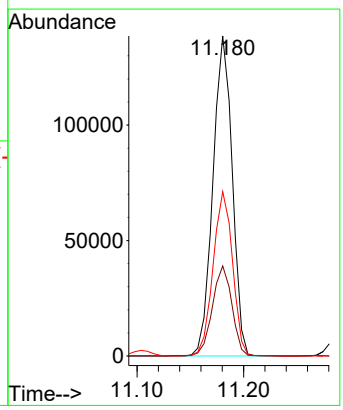


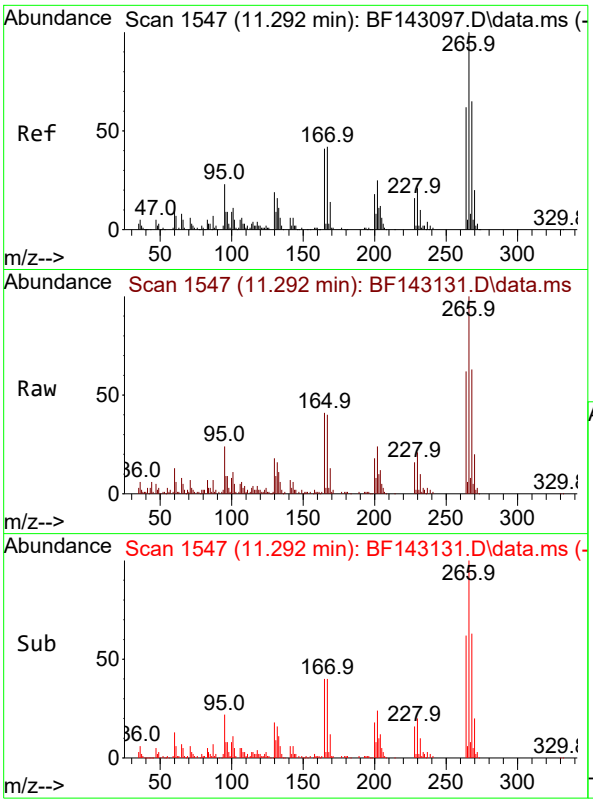


#69
Atrazine
Concen: 47.957 ng
RT: 11.180 min Scan# 1528
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:200 Resp: 174175

Ion	Ratio	Lower	Upper
200	100		
173	28.2	9.1	49.1
215	51.3	31.0	71.0



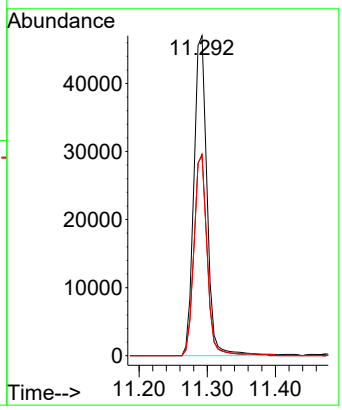


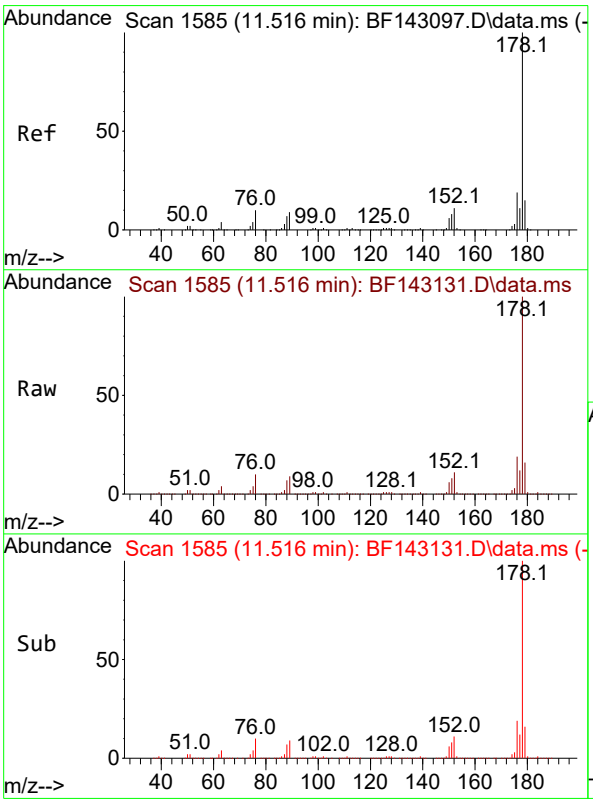
#70
Pentachlorophenol
Concen: 23.592 ng
RT: 11.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:266 Resp: 63118

Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.8	77.6
264	62.4	49.7	74.5

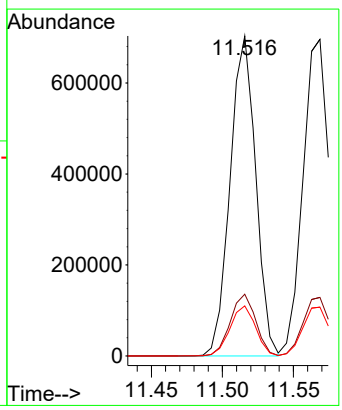


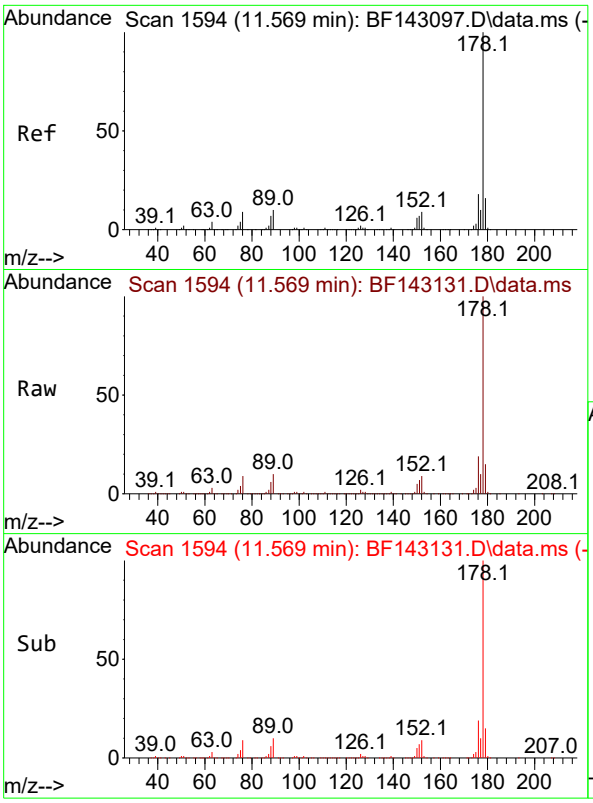


#71
Phenanthrene
Concen: 40.499 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:178 Resp: 883304

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.7	12.2	18.4



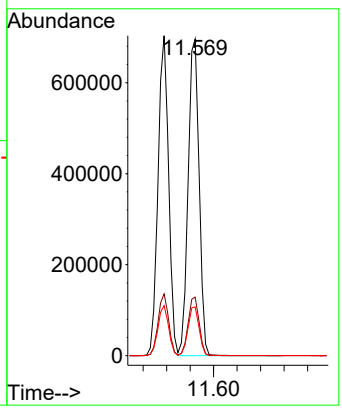


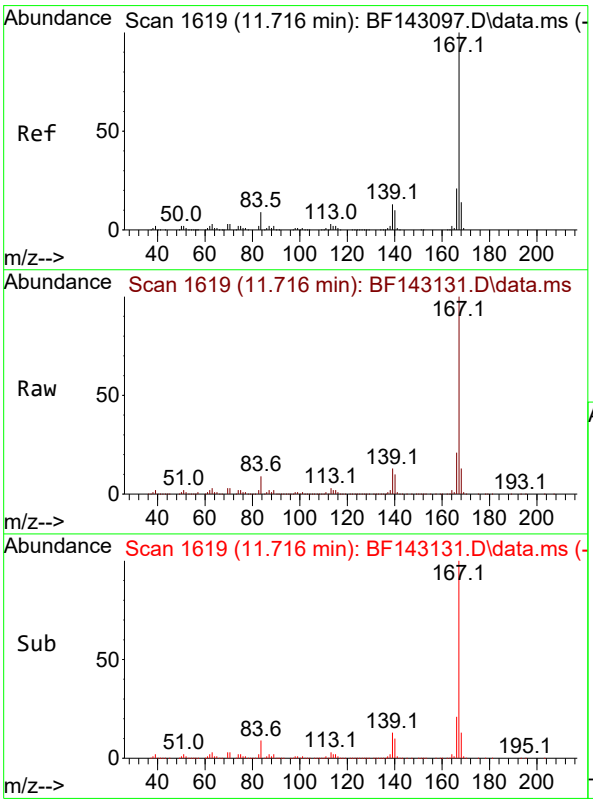
#72
Anthracene
Concen: 41.101 ng
RT: 11.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:178 Resp: 901465

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.4	18.6

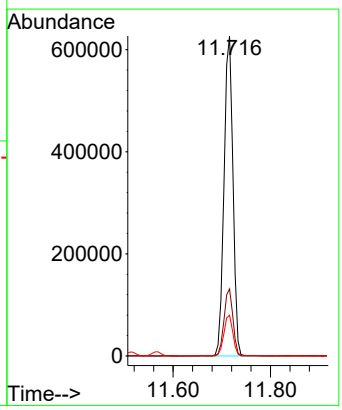


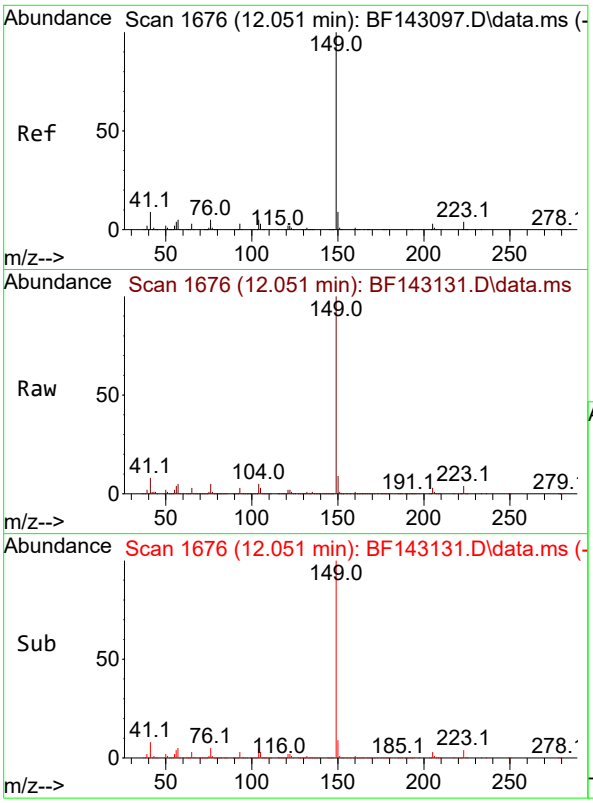


#73
Carbazole
Concen: 40.796 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:167 Resp: 801614

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.4
139	12.8	10.2	15.4



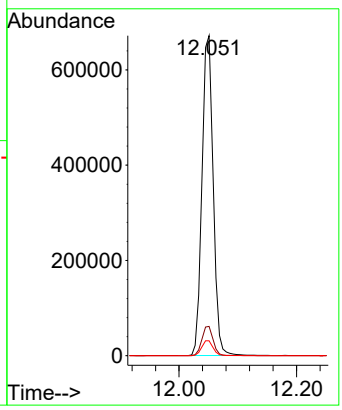


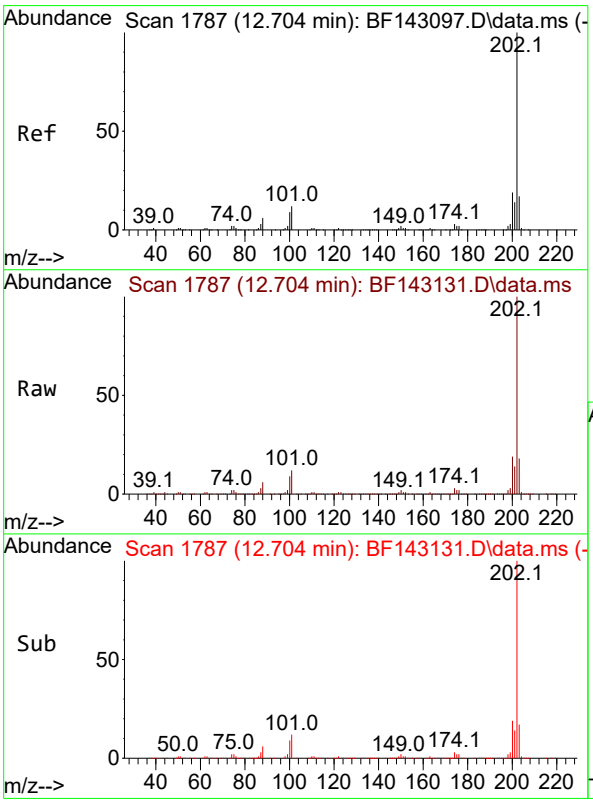
#74
Di-n-butylphthalate
Concen: 49.250 ng
RT: 12.051 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:149 Resp: 888295

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.8

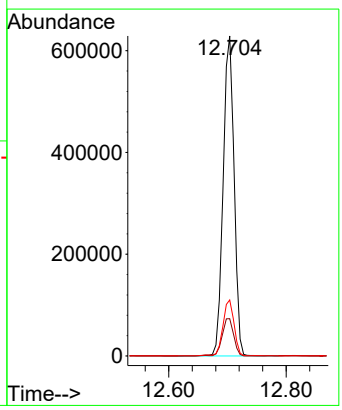


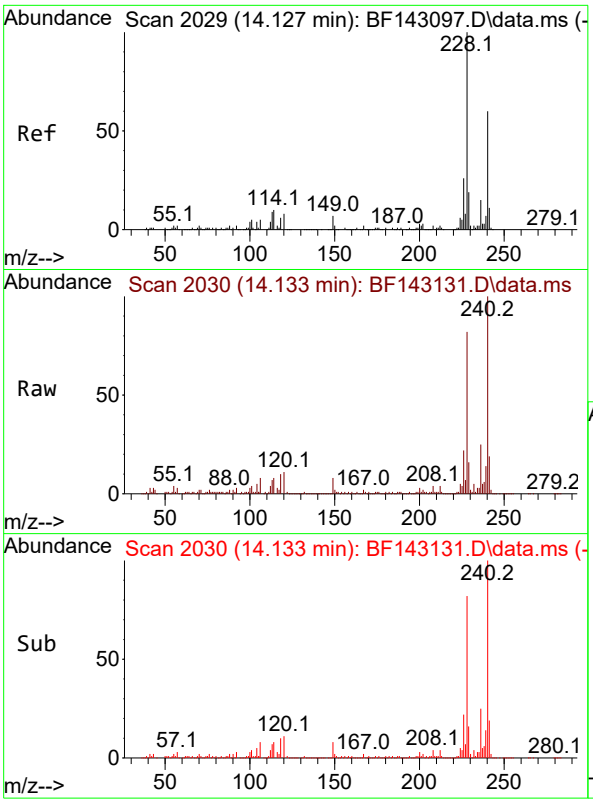


#75
Fluoranthene
Concen: 40.906 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:202 Resp: 811244

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	17.5	0.0	37.4



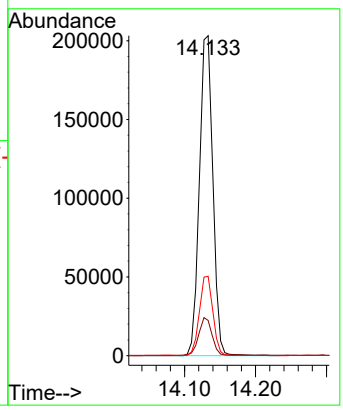


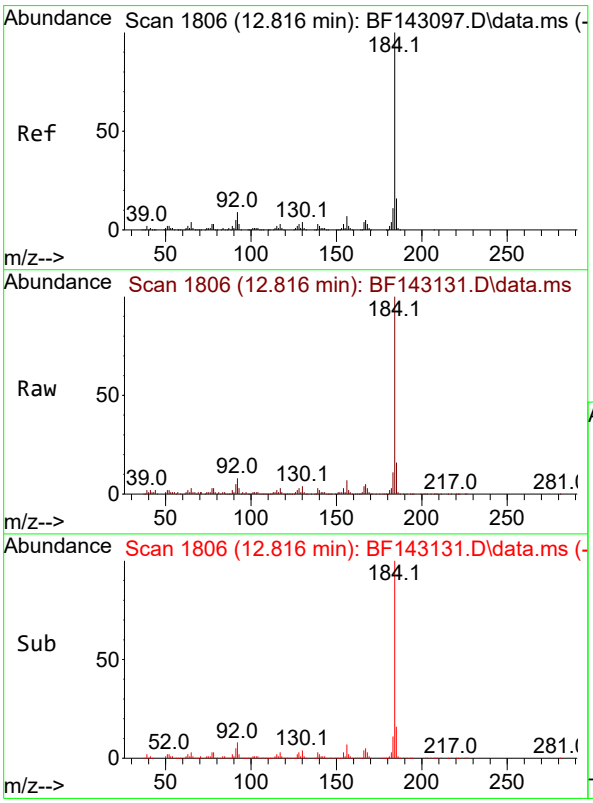
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:240 Resp: 268901

Ion	Ratio	Lower	Upper
240	100		
120	11.0	10.0	15.0
236	24.8	20.0	30.0

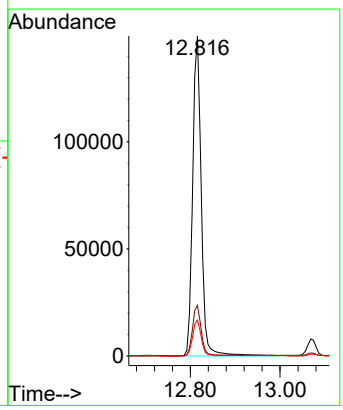


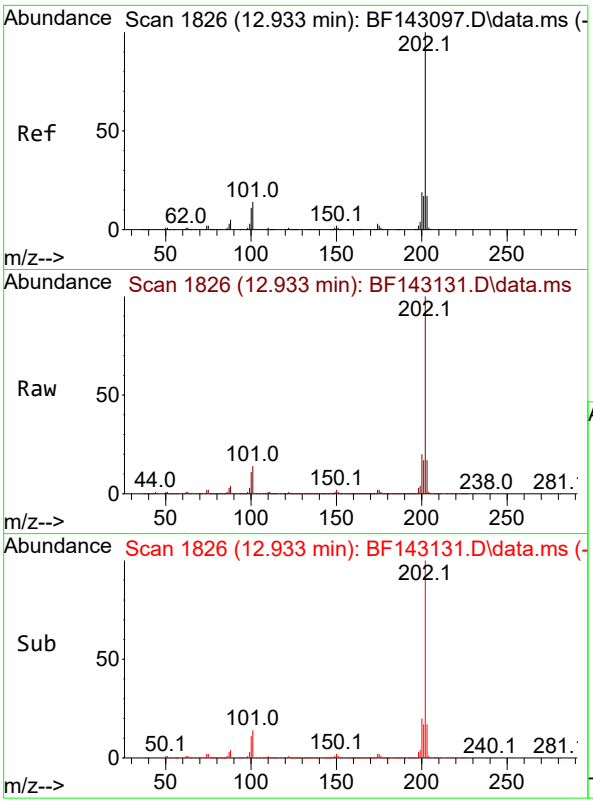


#77
Benzidine
Concen: 21.746 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:184 Resp: 199220

Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.4	18.6
183	11.2	8.6	12.8



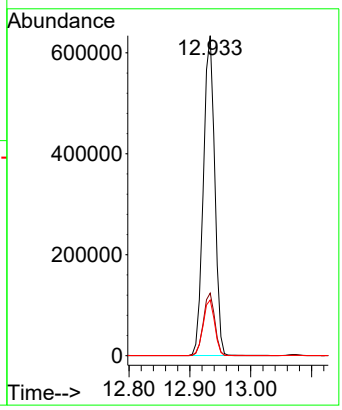


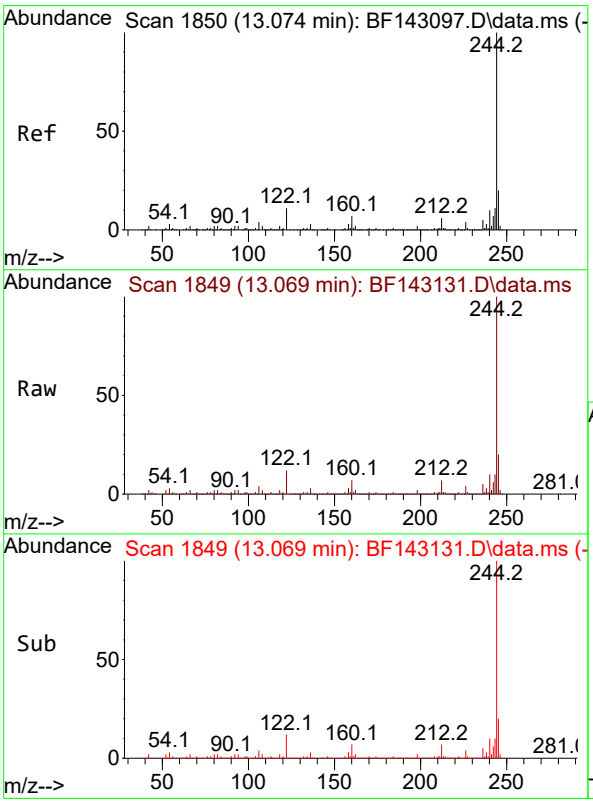
#78
Pyrene
Concen: 32.805 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:202 Resp: 818482

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.5	23.3
203	17.4	14.0	21.0

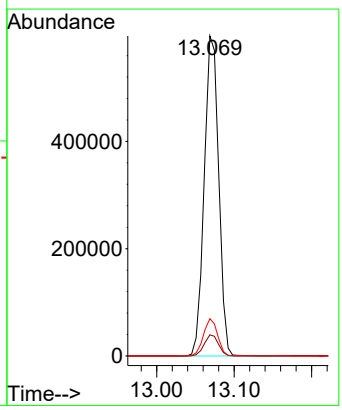


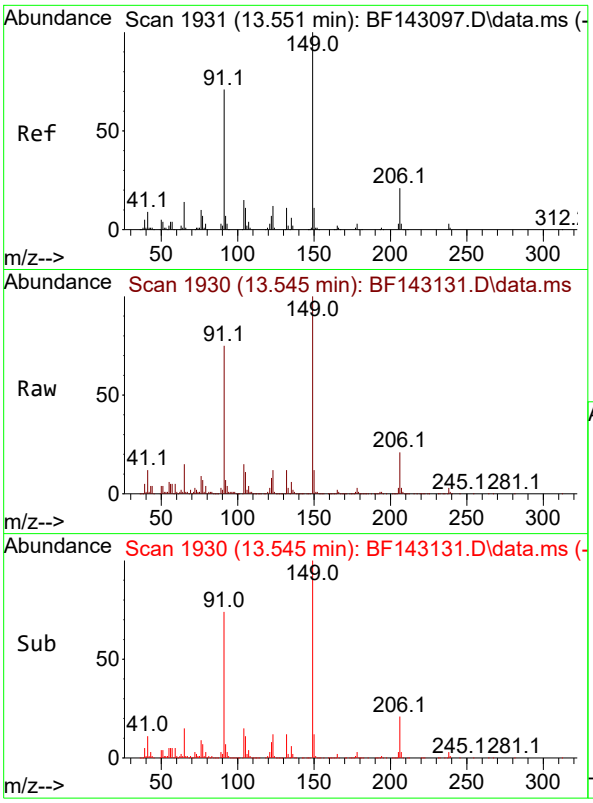


#79
Terphenyl-d14
Concen: 42.027 ng
RT: 13.069 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:244 Resp: 773093

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	11.6	8.8	13.2



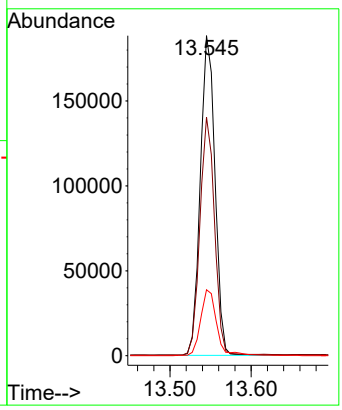


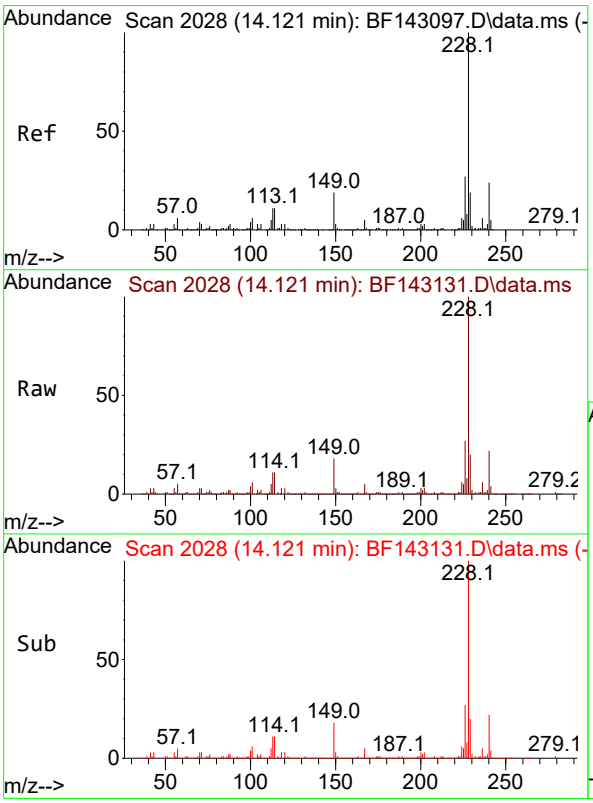
#80
Butylbenzylphthalate
Concen: 47.168 ng
RT: 13.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:149 Resp: 236112

Ion	Ratio	Lower	Upper
149	100		
91	74.6	57.0	85.4
206	20.6	17.2	25.8

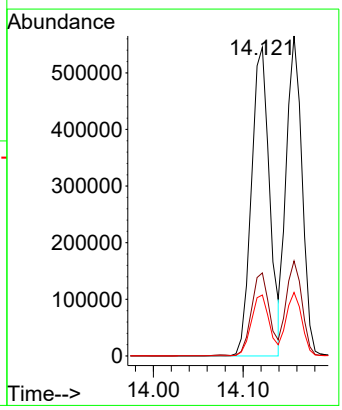


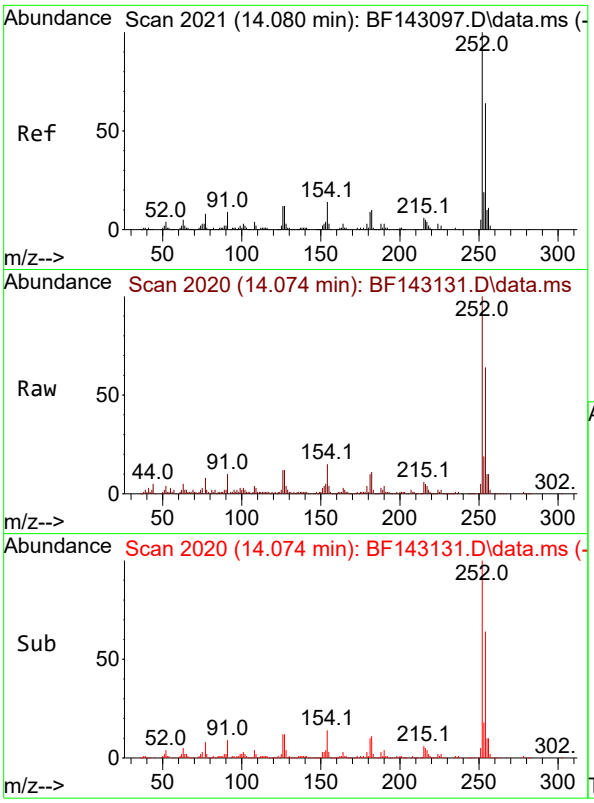


#81
Benzo(a)anthracene
Concen: 42.813 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:228 Resp: 767144

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	19.8	15.5	23.3



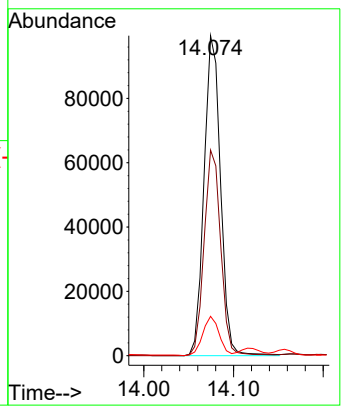


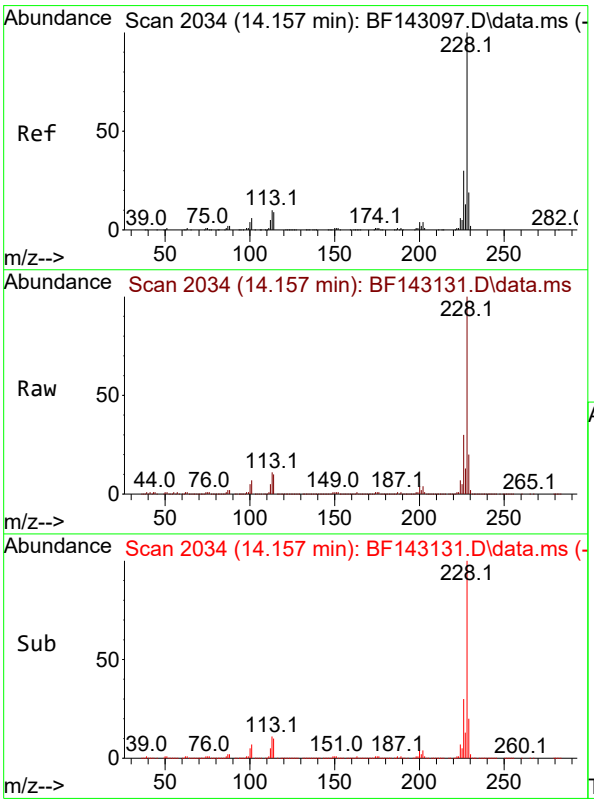
#82
3,3'-Dichlorobenzidine
Concen: 24.430 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:252 Resp: 127120

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	12.3	9.4	14.0

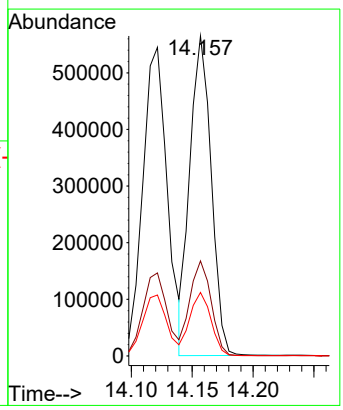


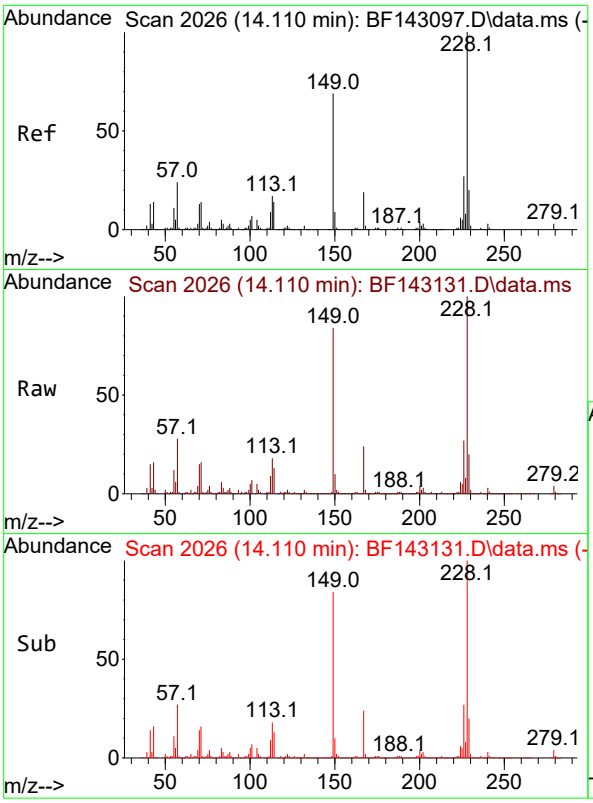


#83
Chrysene
Concen: 41.678 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:228 Resp: 687824

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.2
229	19.8	15.3	22.9



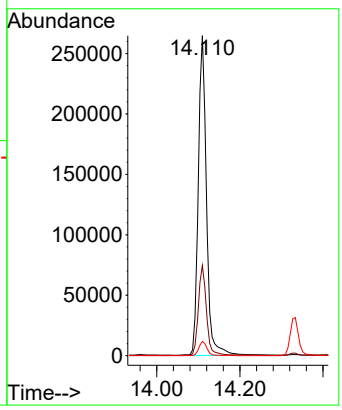


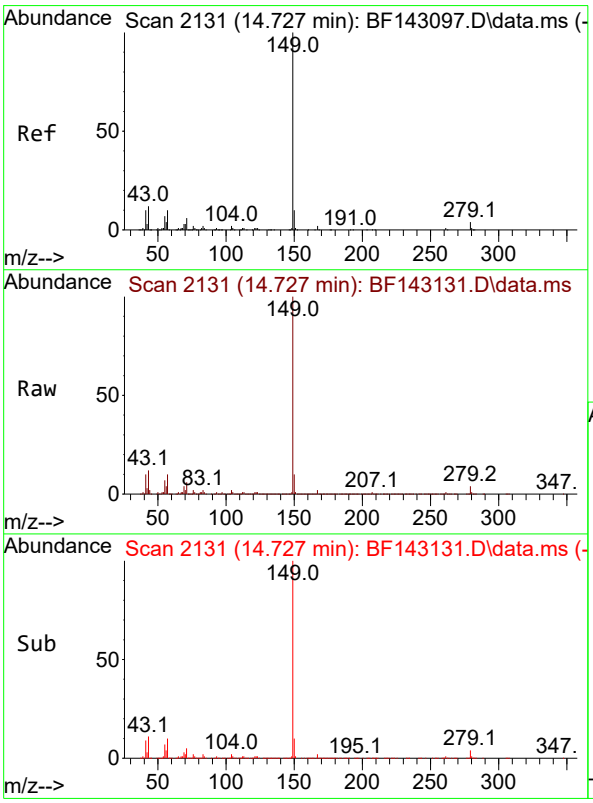
#84
Bis(2-ethylhexyl)phthalate
Concen: 48.051 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:149 Resp: 363289

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.9	32.9
279	4.5	3.4	5.0

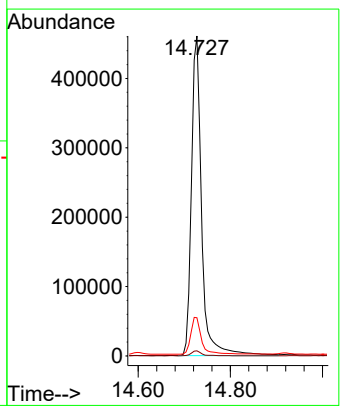


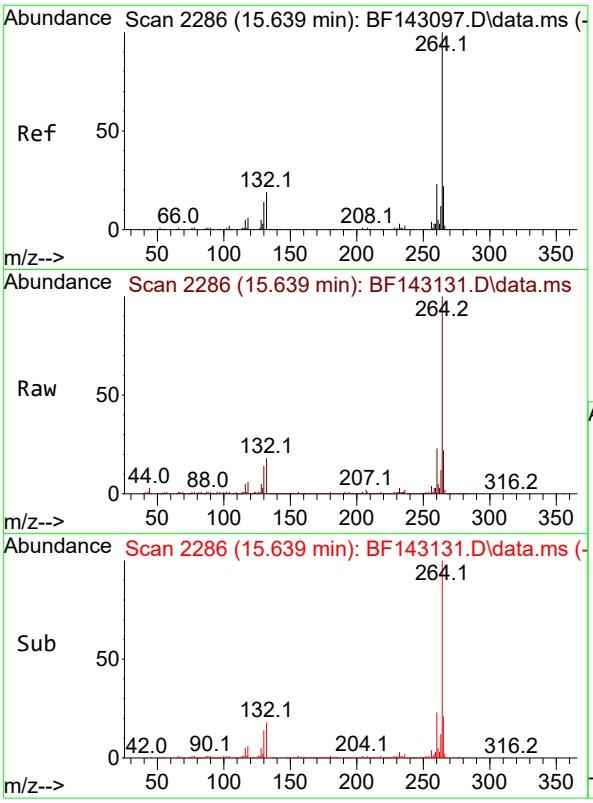


#85
Di-n-octyl phthalate
Concen: 49.122 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:149 Resp: 705195

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.0	10.6	16.0



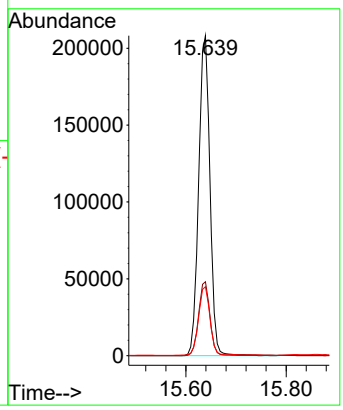


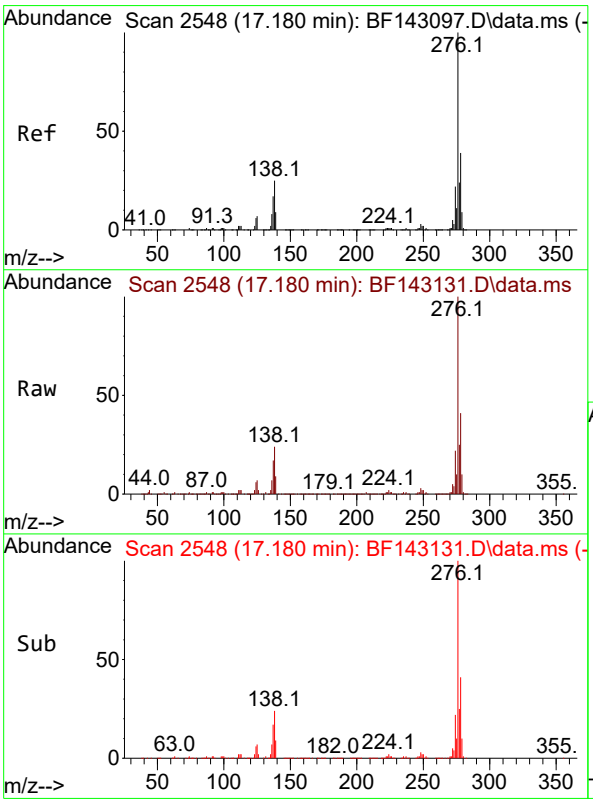
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:264 Resp: 324370

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.5	17.5	26.3

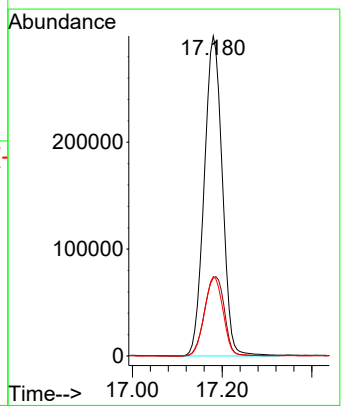


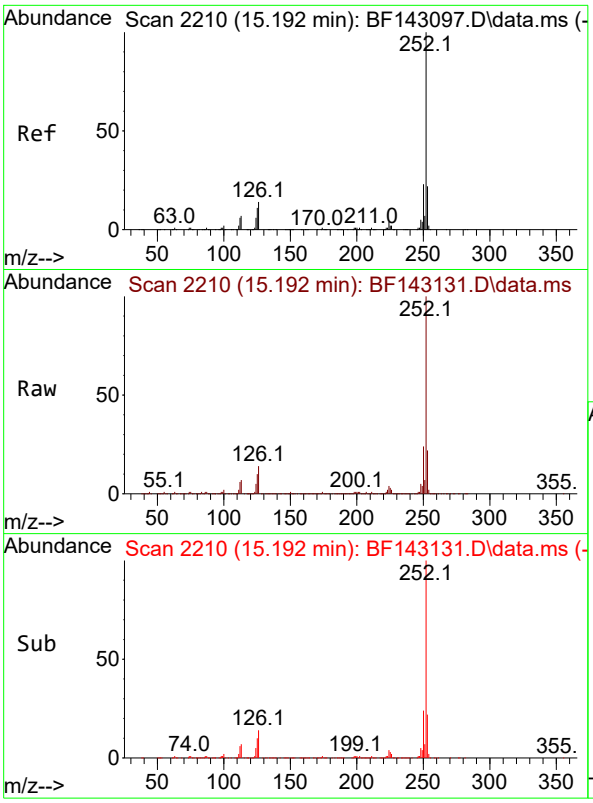


#87
Indeno(1,2,3-cd)pyrene
Concen: 34.728 ng
RT: 17.180 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:276 Resp: 837824

Ion	Ratio	Lower	Upper
276	100		
138	27.1	22.6	34.0
277	25.5	20.2	30.2



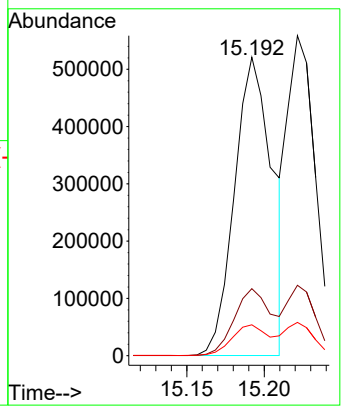


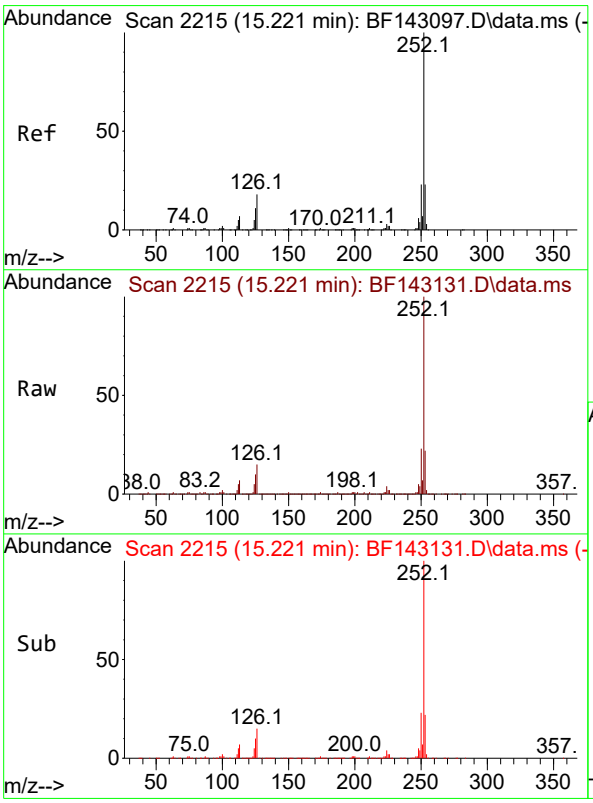
#88
Benzo(b)fluoranthene
Concen: 47.198 ng
RT: 15.192 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:252 Resp: 883083

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	10.3	8.6	13.0

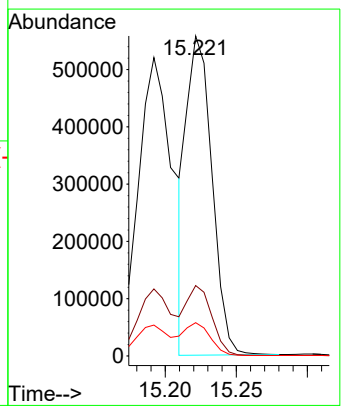


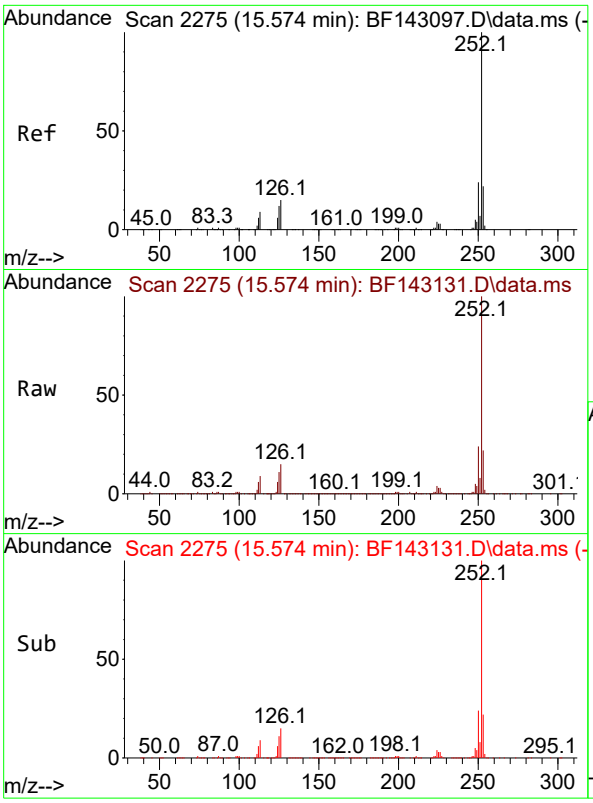


#89
Benzo(k)fluoranthene
Concen: 39.064 ng
RT: 15.221 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:252 Resp: 697281

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	10.4	8.5	12.7



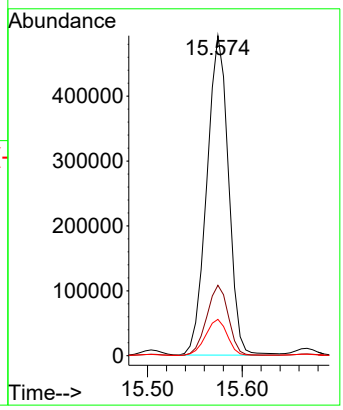


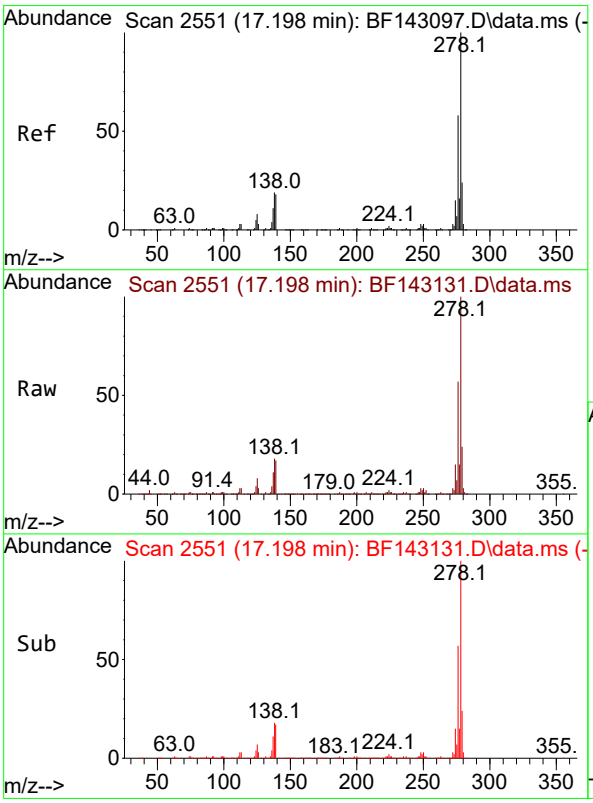
#90
Benzo(a)pyrene
Concen: 44.118 ng
RT: 15.574 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:252 Resp: 780700

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.3	9.4	14.0

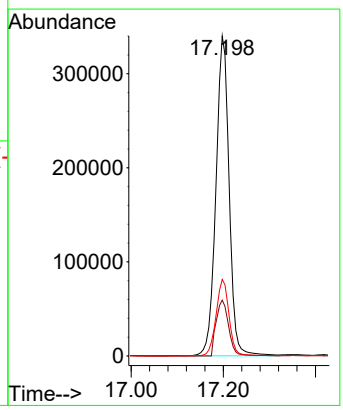


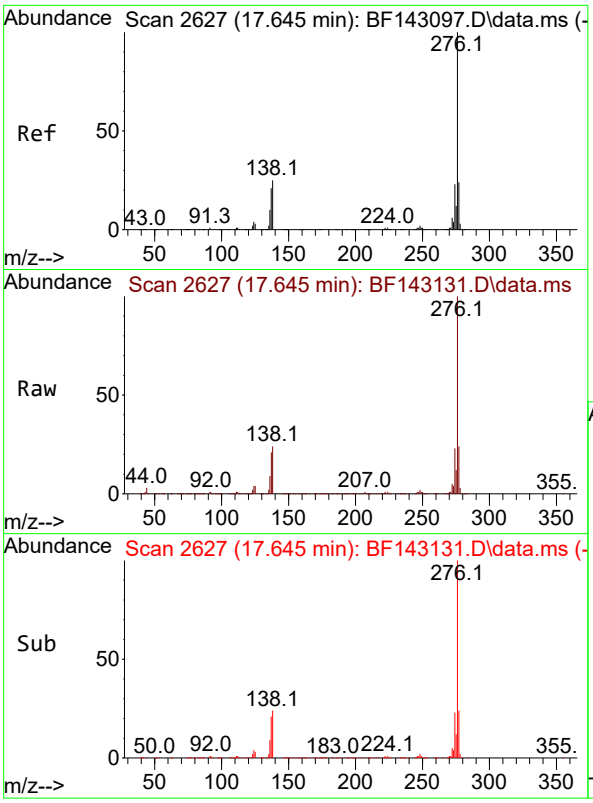


#91
Dibenzo(a,h)anthracene
Concen: 34.307 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Tgt Ion:278 Resp: 676587

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.6	22.0
279	23.9	18.8	28.2



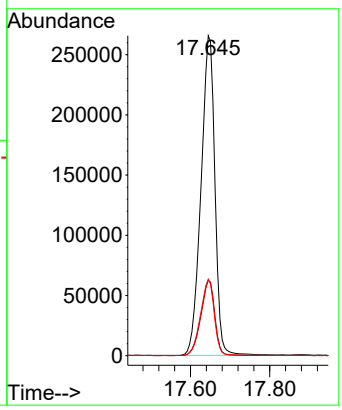


#92
Benzo(g,h,i)perylene
Concen: 32.139 ng
RT: 17.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143131.D
Acq: 17 Jul 2025 02:34

Instrument :
BNA_F
ClientSampleId :
TP-17MS

Tgt Ion:276 Resp: 646206

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	23.9	19.8	29.6



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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MSD	SDG No.:	Q2555
Lab Sample ID:	Q2571-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143132.D	1	07/11/25 09:50	07/17/25 03:03	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.91		0.016	0.089	0.12	mg/Kg
91-57-6	2-Methylnaphthalene	0.91		0.017	0.089	0.12	mg/Kg
208-96-8	Acenaphthylene	0.93		0.020	0.089	0.12	mg/Kg
83-32-9	Acenaphthene	0.89		0.015	0.089	0.12	mg/Kg
86-73-7	Fluorene	0.89		0.017	0.089	0.12	mg/Kg
85-01-8	Phenanthrene	0.91		0.014	0.089	0.12	mg/Kg
120-12-7	Anthracene	0.91		0.023	0.089	0.12	mg/Kg
206-44-0	Fluoranthene	0.92		0.020	0.089	0.12	mg/Kg
129-00-0	Pyrene	0.74		0.025	0.089	0.12	mg/Kg
56-55-3	Benzo(a)anthracene	0.96		0.016	0.089	0.12	mg/Kg
218-01-9	Chrysene	0.93		0.014	0.089	0.12	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.10		0.013	0.089	0.12	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.90		0.015	0.089	0.12	mg/Kg
50-32-8	Benzo(a)pyrene	1.00		0.020	0.089	0.12	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.75		0.020	0.089	0.12	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.74		0.019	0.089	0.12	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.69		0.018	0.089	0.12	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	65.4		37 - 122		65%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.6		44 - 115		54%	SPK: 100
1718-51-0	Terphenyl-d14	41.6	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	155000	6.969				
1146-65-2	Naphthalene-d8	574000	8.251				
15067-26-2	Acenaphthene-d10	274000	10.004				
1517-22-2	Phenanthrene-d10	405000	11.492				
1719-03-5	Chrysene-d12	271000	14.133				
1520-96-3	Perylene-d12	316000	15.639				

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

Report of Analysis

Client:	Nobis Group	Date Collected:	07/10/25
Project:	Raymark Superfund Site	Date Received:	07/10/25
Client Sample ID:	TP-17MSD	SDG No.:	Q2555
Lab Sample ID:	Q2571-05MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	88
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group3
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF143132.D	1	07/11/25 09:50	07/17/25 03:03	PB168813

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units

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\BF071625\
Data File : BF143132.D
Acq On : 17 Jul 2025 03:03
Operator : RC/JU
Sample : Q2571-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Quant Time: Jul 17 03:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	154642	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	573690	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	274130	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	404556	20.000	ng	0.00
76) Chrysene-d12	14.133	240	270975	20.000	ng	0.00
86) Perylene-d12	15.639	264	316202	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	793928	81.113	ng	0.01
7) Phenol-d6	6.587	99	1031700	83.855	ng	0.00
23) Nitrobenzene-d5	7.522	82	669140	65.432	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	198539	81.226	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1106288	53.645	ng	0.00
79) Terphenyl-d14	13.069	244	771722	41.632	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.899	88	162234	33.297	ng	99
3) Pyridine	3.652	79	439142	35.593	ng	98
4) n-Nitrosodimethylamine	3.593	42	251775	39.387	ng	99
6) Aniline	6.628	93	416344	24.031	ng	99
8) 2-Chlorophenol	6.751	128	407920	41.480	ng	99
9) Benzaldehyde	6.516	77	294115	31.373	ng	99
10) Phenol	6.604	94	547911	41.137	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	404904	39.269	ng	99
12) 1,3-Dichlorobenzene	6.910	146	435247	39.176	ng	99
13) 1,4-Dichlorobenzene	6.987	146	437253	39.120	ng	99
14) 1,2-Dichlorobenzene	7.140	146	418979	39.308	ng	98
15) Benzyl Alcohol	7.098	79	381475	41.845	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	736414	38.744	ng	100
17) 2-Methylphenol	7.210	107	341298	40.217	ng	99
18) Hexachloroethane	7.487	117	152901	42.022	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	295976	39.267	ng	99
20) 3+4-Methylphenols	7.363	107	415708	39.943	ng	96
22) Acetophenone	7.369	105	552881	39.979	ng	94
24) Nitrobenzene	7.545	77	446124	45.189	ng	98
25) Isophorone	7.781	82	817872	41.377	ng	99
26) 2-Nitrophenol	7.863	139	180165	45.858	ng	99
27) 2,4-Dimethylphenol	7.893	122	381063	41.536	ng	99
28) bis(2-Chloroethoxy)met...	7.993	93	492251	41.068	ng	99
29) 2,4-Dichlorophenol	8.098	162	317079	42.246	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	348097	40.867	ng	99
31) Naphthalene	8.269	128	1146191	40.233	ng	100
33) 4-Chloroaniline	8.310	127	159239	13.900	ng	97
34) Hexachlorobutadiene	8.392	225	212383	41.692	ng	99
35) Caprolactam	8.663	113	92881	39.630	ng	96
36) 4-Chloro-3-methylphenol	8.787	107	348019	41.626	ng	98
37) 2-Methylnaphthalene	8.963	142	680541	40.043	ng	100
38) 1-Methylnaphthalene	9.063	142	709748	40.264	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	332868	41.667	ng	99
41) Hexachlorocyclopentadiene	9.122	237	285312	64.416	ng	98
43) 2,4,6-Trichlorophenol	9.234	196	200935	40.479	ng	99
44) 2,4,5-Trichlorophenol	9.275	196	221043	42.469	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143132.D
Acq On : 17 Jul 2025 03:03
Operator : RC/JU
Sample : Q2571-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Quant Time: Jul 17 03:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

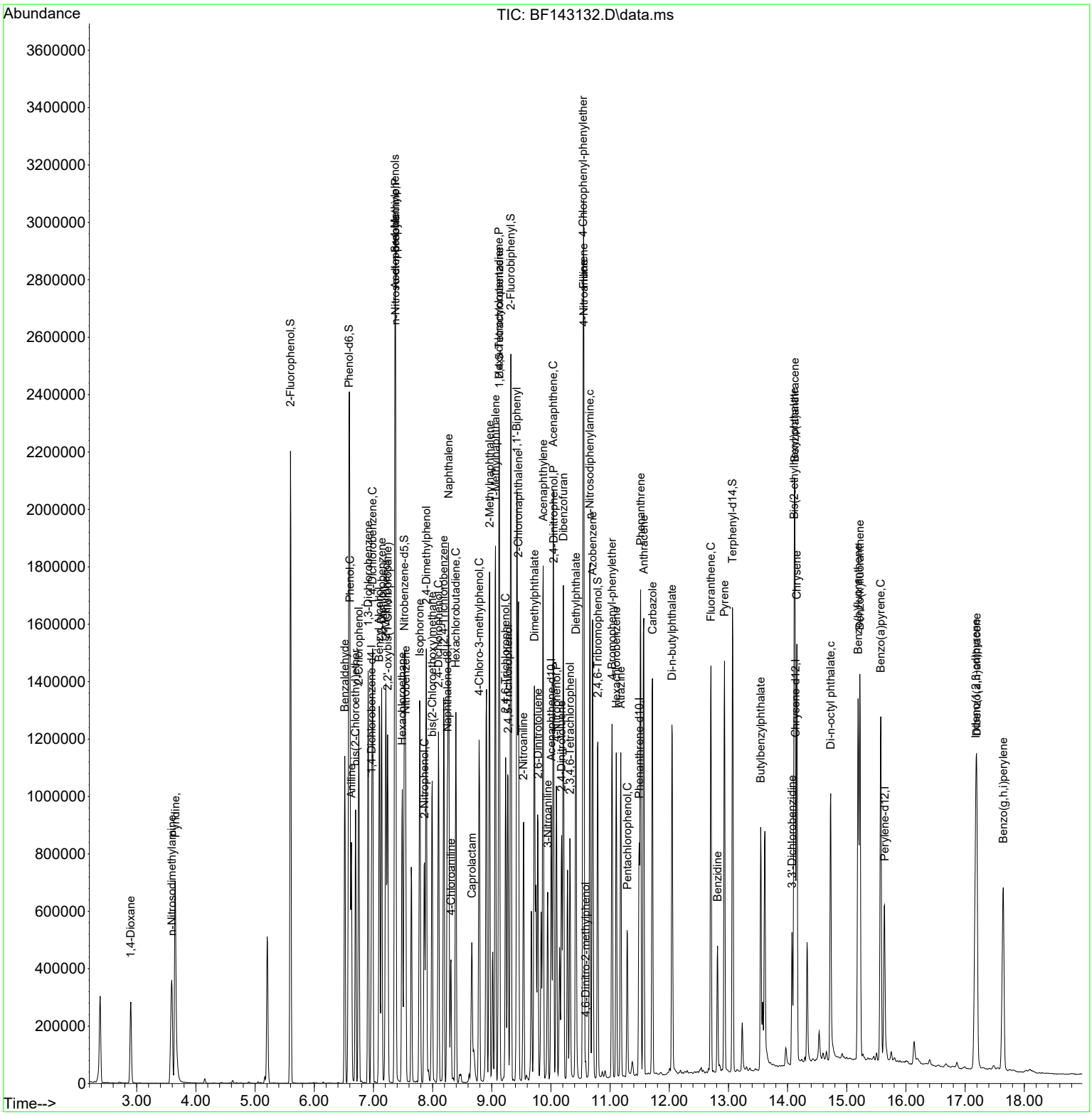
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.422	154	907562	41.515	ng		100
47) 2-Chloronaphthalene	9.451	162	659194	41.046	ng		99
48) 2-Nitroaniline	9.534	65	218325	45.695	ng		100
49) Acenaphthylene	9.869	152	1100552	41.125	ng		100
50) Dimethylphthalate	9.722	163	754861	43.770	ng		100
51) 2,6-Dinitrotoluene	9.781	165	155290	45.711	ng		89
52) Acenaphthene	10.039	154	616683	39.050	ng		99
53) 3-Nitroaniline	9.945	138	128024	34.355	ng		97
54) 2,4-Dinitrophenol	10.045	184	5497	10.510	ng	#	1
55) Dibenzofuran	10.210	168	942444	40.038	ng		100
56) 4-Nitrophenol	10.092	139	210415	71.046	ng		98
57) 2,4-Dinitrotoluene	10.181	165	190519	44.997	ng		98
58) Fluorene	10.551	166	689808	39.088	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	140420	33.949	ng		98
60) Diethylphthalate	10.422	149	722197	43.405	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	345005	40.789	ng		100
62) 4-Nitroaniline	10.557	138	139120	42.929	ng		99
63) Azobenzene	10.704	77	807710	43.895	ng		95
65) 4,6-Dinitro-2-methylph...	10.586	198	8364	11.197	ng		98
66) n-Nitrosodiphenylamine	10.657	169	622784	43.825	ng		99
67) 4-Bromophenyl-phenylether	11.034	248	205085	44.577	ng		98
68) Hexachlorobenzene	11.104	284	207302	42.467	ng		98
69) Atrazine	11.181	200	173844	47.816	ng		99
70) Pentachlorophenol	11.292	266	82071	30.644	ng		100
71) Phenanthrene	11.516	178	871164	39.901	ng		99
72) Anthracene	11.569	178	879525	40.059	ng		100
73) Carbazole	11.716	167	787172	40.020	ng		100
74) Di-n-butylphthalate	12.045	149	896492	49.653	ng		100
75) Fluoranthene	12.704	202	805111	40.555	ng		99
77) Benzidine	12.816	184	233917	25.338	ng		99
78) Pyrene	12.933	202	815947	32.454	ng		100
80) Butylbenzylphthalate	13.545	149	239643	47.482	ng		98
81) Benzo(a)anthracene	14.122	228	760550	42.120	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	129923	24.777	ng		99
83) Chrysene	14.157	228	680317	40.908	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	355208	46.724	ng		99
85) Di-n-octyl phthalate	14.727	149	706471	48.873	ng		97
87) Indeno(1,2,3-cd)pyrene	17.180	276	771881	32.821	ng		99
88) Benzo(b)fluoranthene	15.192	252	865209	47.437	ng		99
89) Benzo(k)fluoranthene	15.221	252	689026	39.598	ng		100
90) Benzo(a)pyrene	15.574	252	763138	44.239	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	629422	32.739	ng		99
92) Benzo(g,h,i)perylene	17.645	276	591750	30.191	ng		99

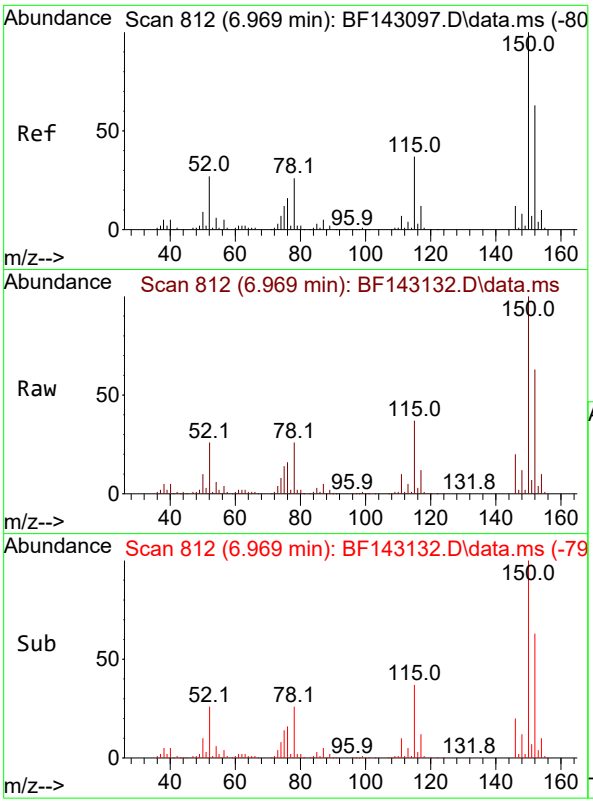
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143132.D
Acq On : 17 Jul 2025 03:03
Operator : RC/JU
Sample : Q2571-05MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Quant Time: Jul 17 03:49:32 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



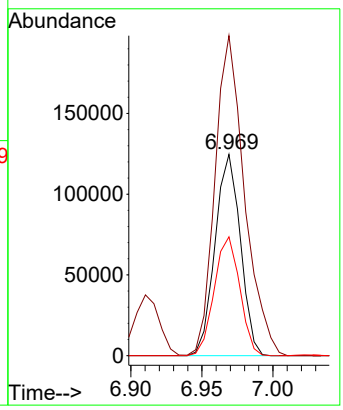


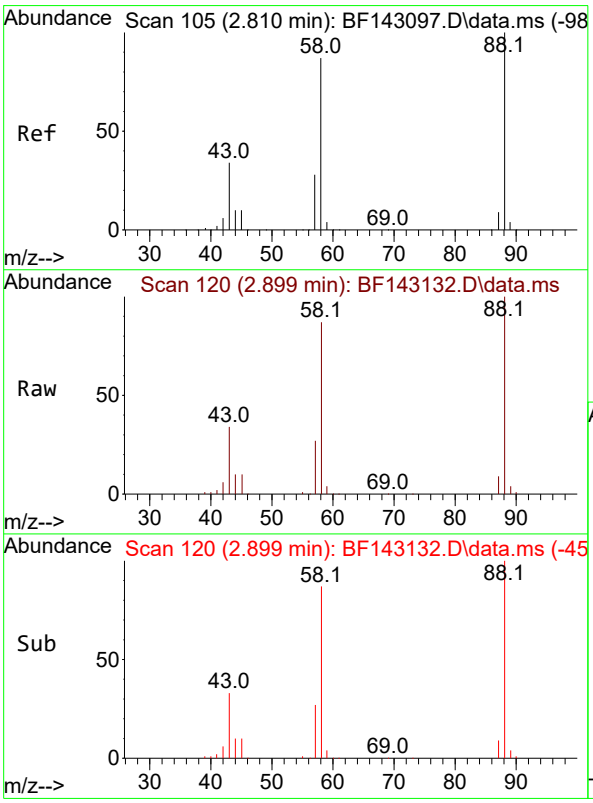
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:152 Resp: 154642

Ion	Ratio	Lower	Upper
152	100		
150	159.0	126.5	189.7
115	59.0	47.0	70.6

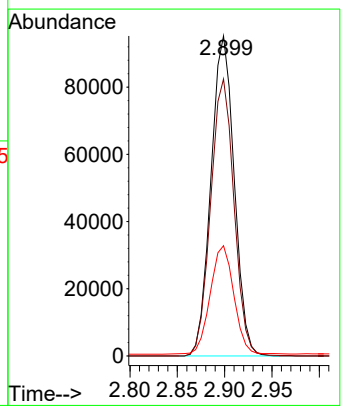


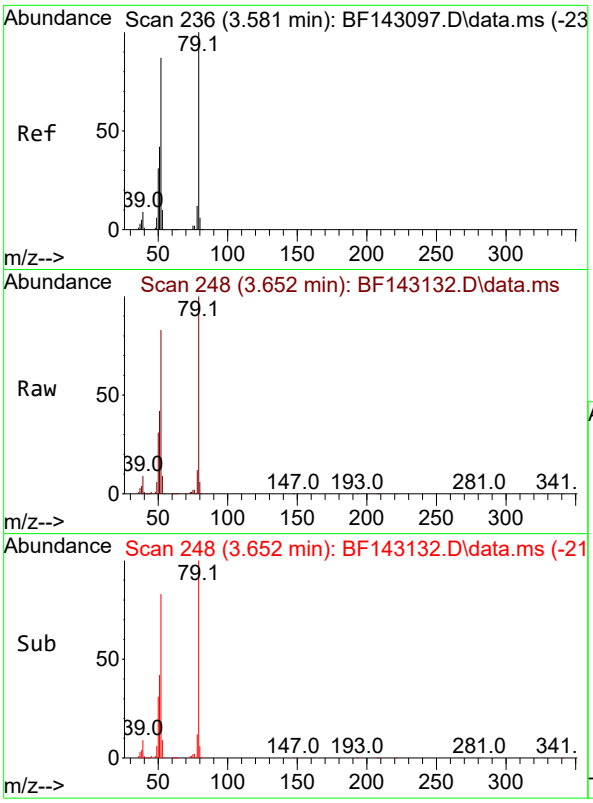


#2
1,4-Dioxane
Concen: 33.297 ng
RT: 2.899 min Scan# 120
Delta R.T. 0.088 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 88 Resp: 162234

Ion	Ratio	Lower	Upper
88	100		
58	87.0	70.5	105.7
43	34.6	27.3	40.9



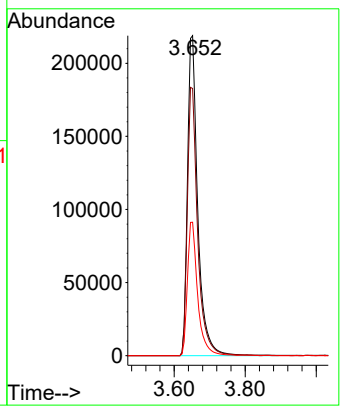


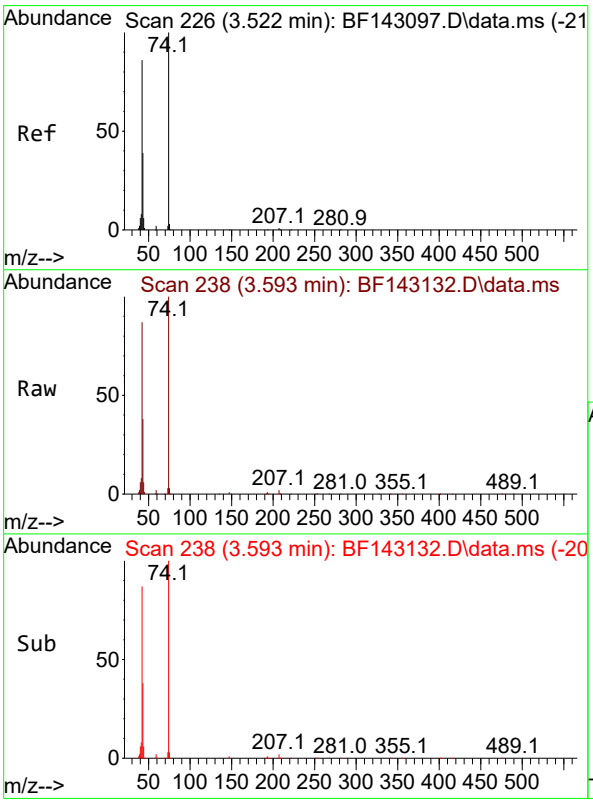
#3
Pyridine
Concen: 35.593 ng
RT: 3.652 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 79 Resp: 439142

Ion	Ratio	Lower	Upper
79	100		
52	83.5	69.2	103.8
51	41.7	33.3	49.9

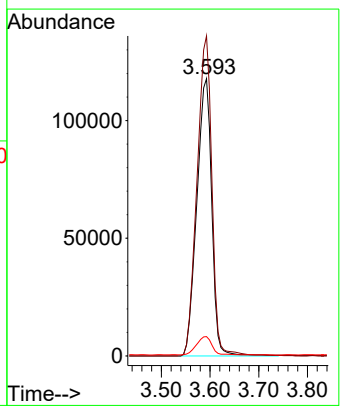


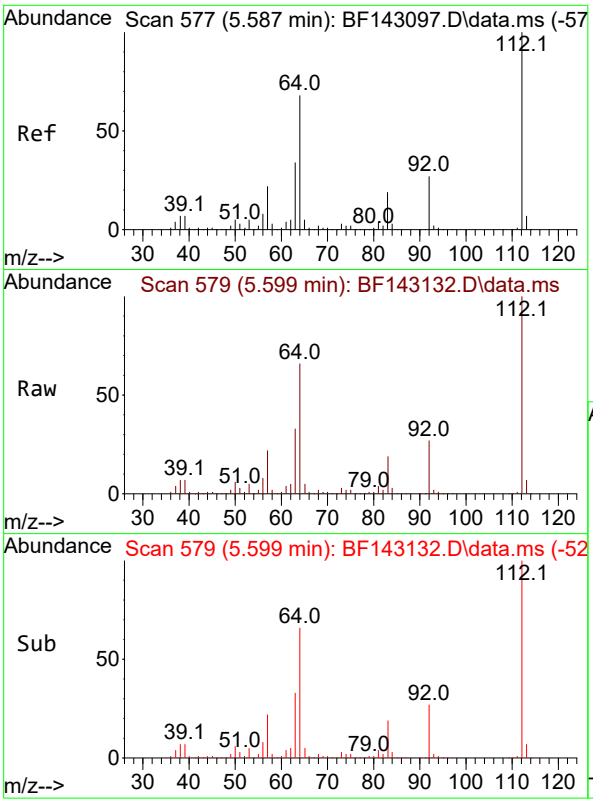


#4
n-Nitrosodimethylamine
Concen: 39.387 ng
RT: 3.593 min Scan# 238
Delta R.T. 0.071 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 42 Resp: 251775

Ion	Ratio	Lower	Upper
42	100		
74	115.4	92.8	139.2
44	7.0	5.8	8.6



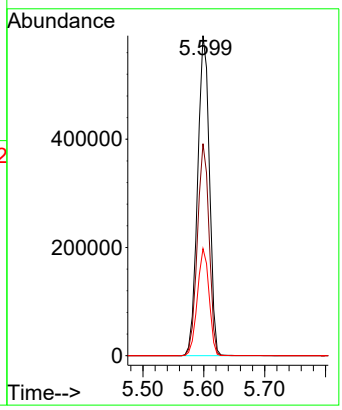


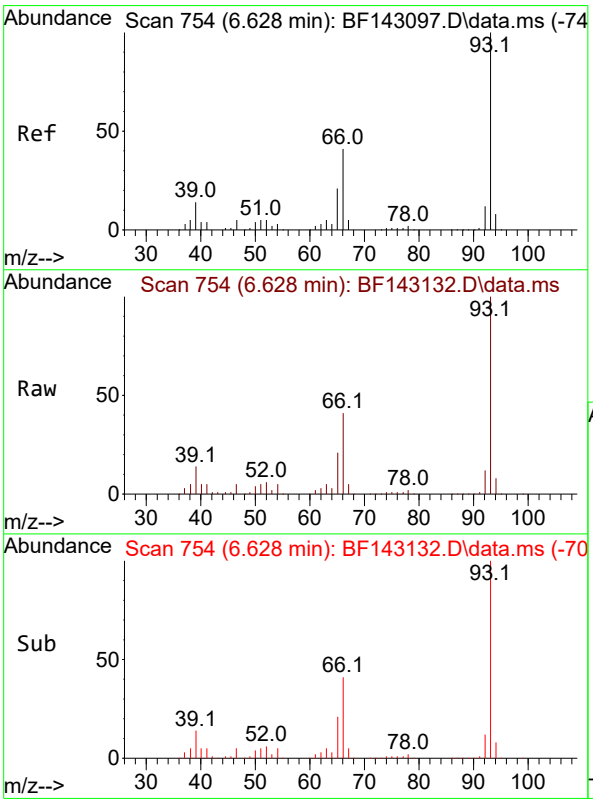
#5
2-Fluorophenol
Concen: 81.113 ng
RT: 5.599 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:112 Resp: 793928

Ion	Ratio	Lower	Upper
112	100		
64	66.2	54.6	82.0
63	33.5	27.3	40.9

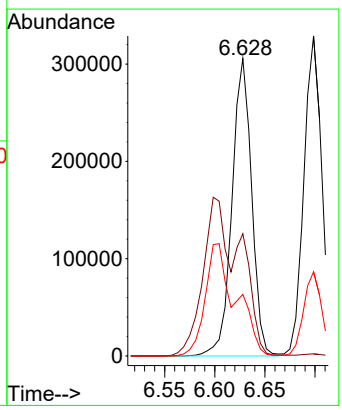


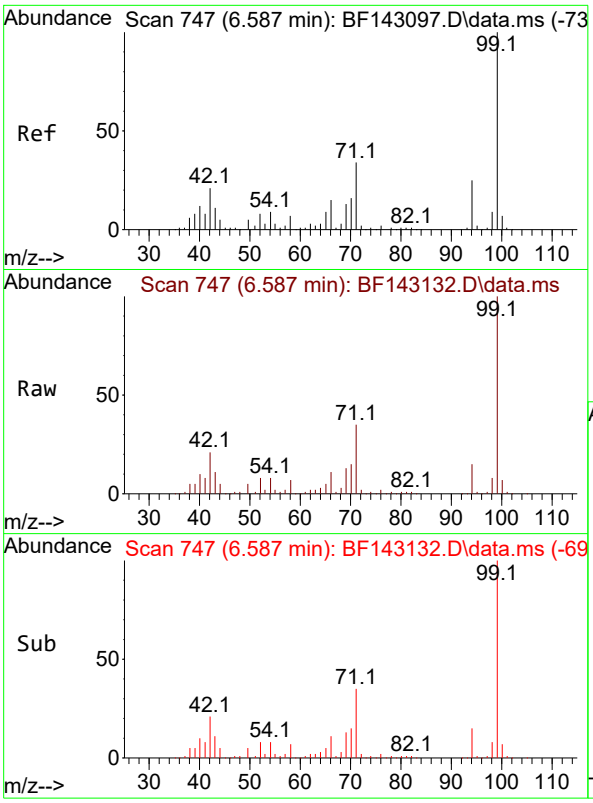


#6
Aniline
Concen: 24.031 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 93 Resp: 416344

Ion	Ratio	Lower	Upper
93	100		
66	41.1	33.1	49.7
65	20.7	16.9	25.3



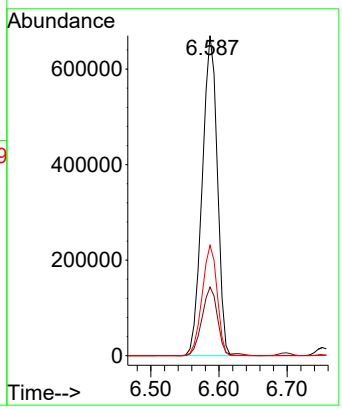


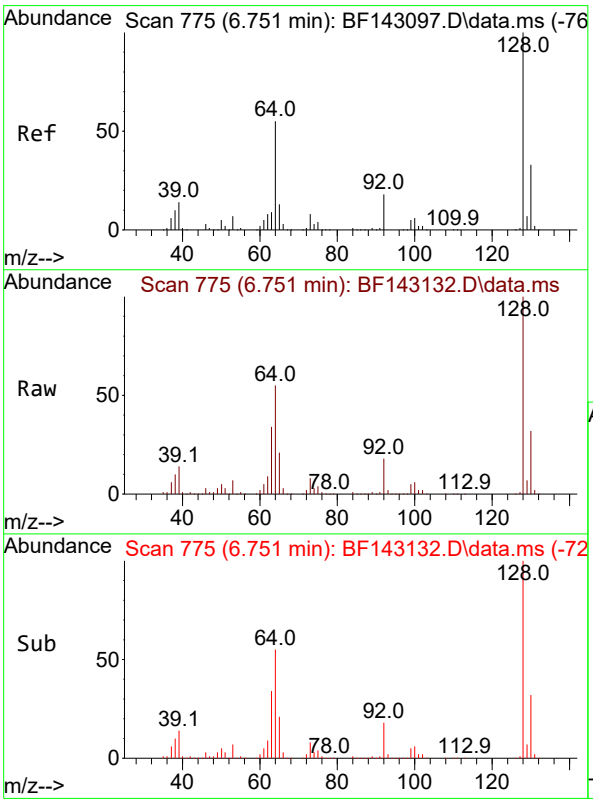
#7
Phenol-d6
Concen: 83.855 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 99 Resp: 1031700

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	34.5	27.4	41.0

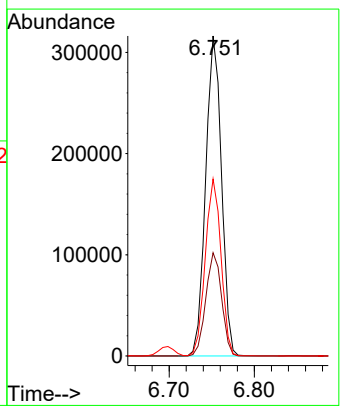


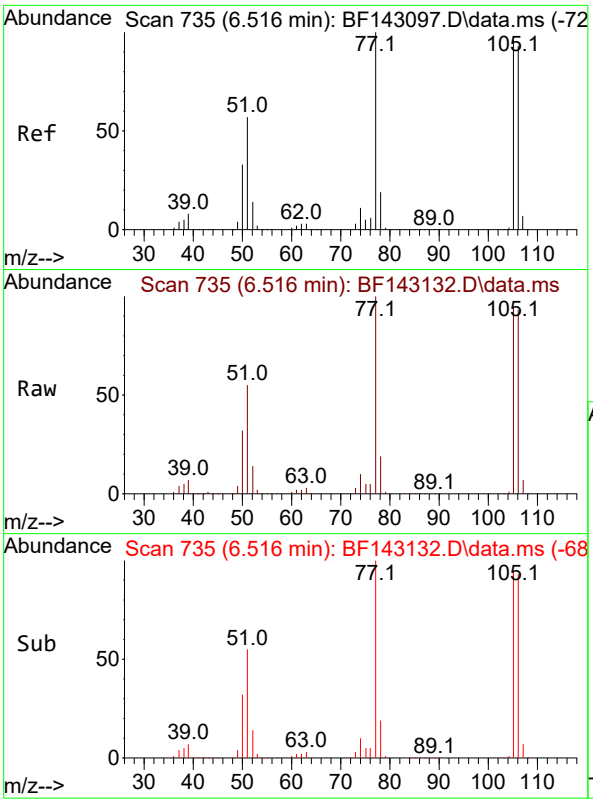


#8
2-Chlorophenol
Concen: 41.480 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:128 Resp: 407920

Ion	Ratio	Lower	Upper
128	100		
130	32.2	12.8	52.8
64	55.3	36.1	76.1



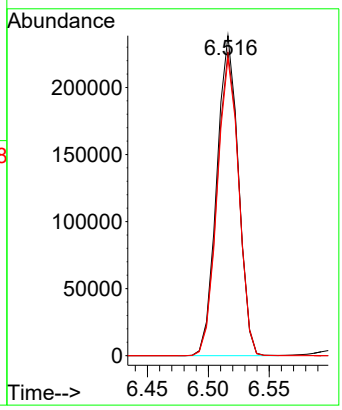


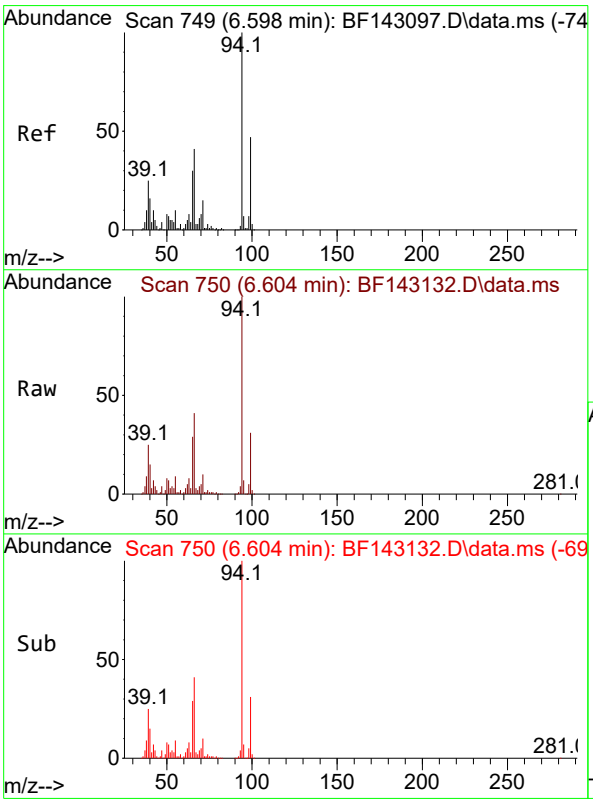
#9
Benzaldehyde
Concen: 31.373 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 77 Resp: 294115

Ion	Ratio	Lower	Upper
77	100		
105	94.8	76.3	116.3
106	92.9	72.8	112.8

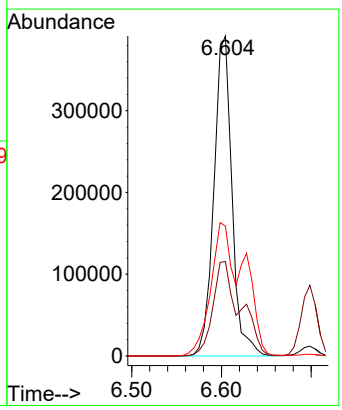


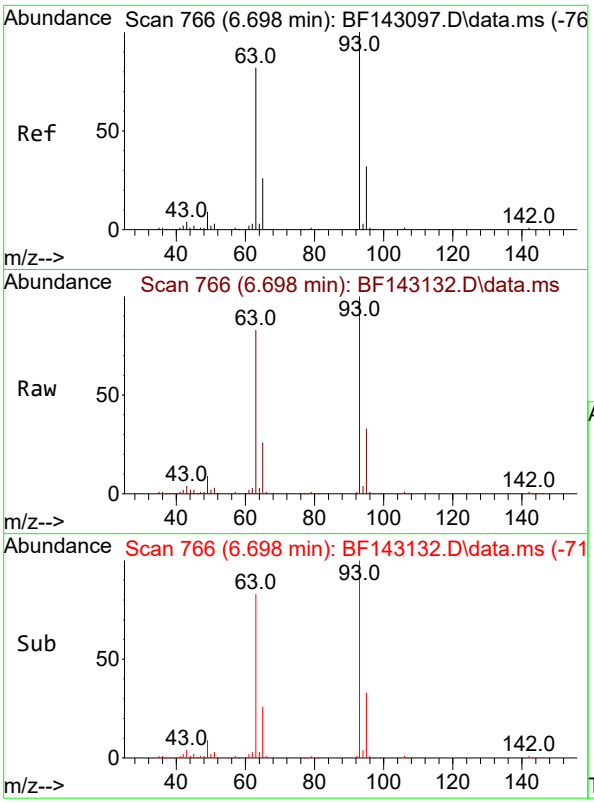


#10
Phenol
Concen: 41.137 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 94 Resp: 547911

Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.8	49.8
66	40.6	20.5	60.5



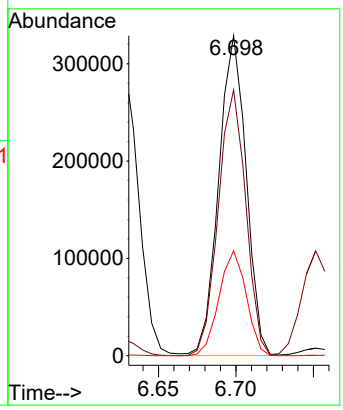


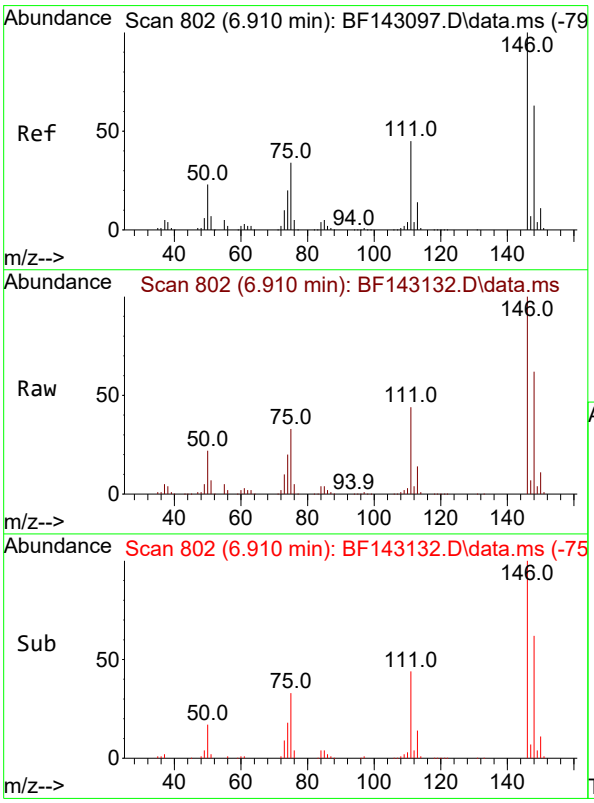
#11
bis(2-Chloroethyl)ether
Concen: 39.269 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 93 Resp: 404904

Ion	Ratio	Lower	Upper
93	100		
63	83.1	61.9	101.9
95	32.7	12.2	52.2

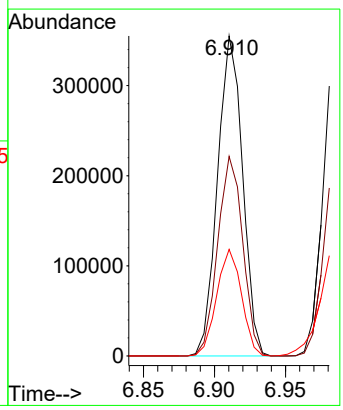


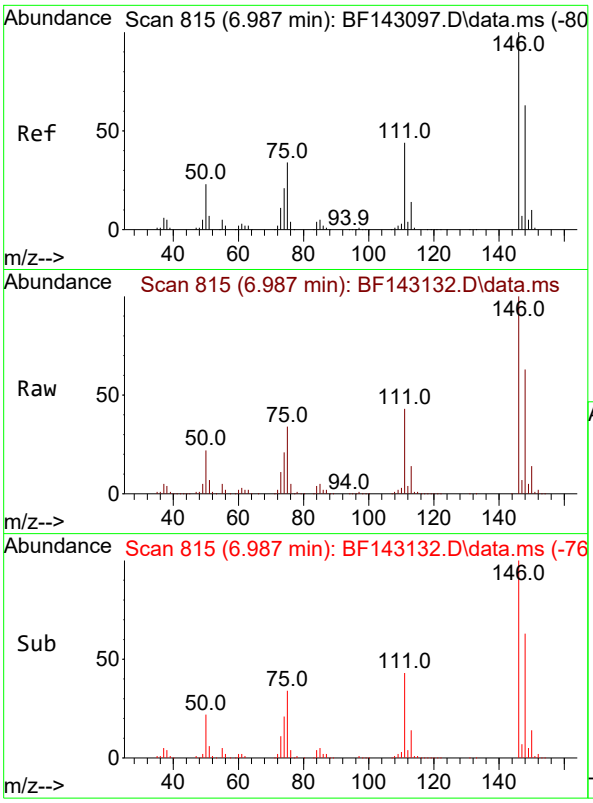


#12
1,3-Dichlorobenzene
Concen: 39.176 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:146 Resp: 435247

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.1	75.1
75	33.3	27.4	41.0



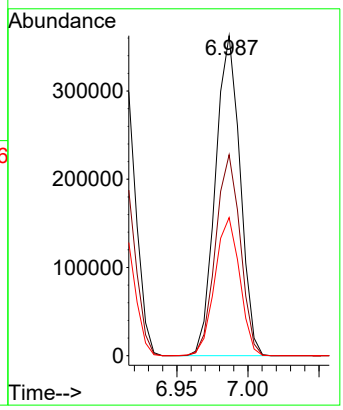


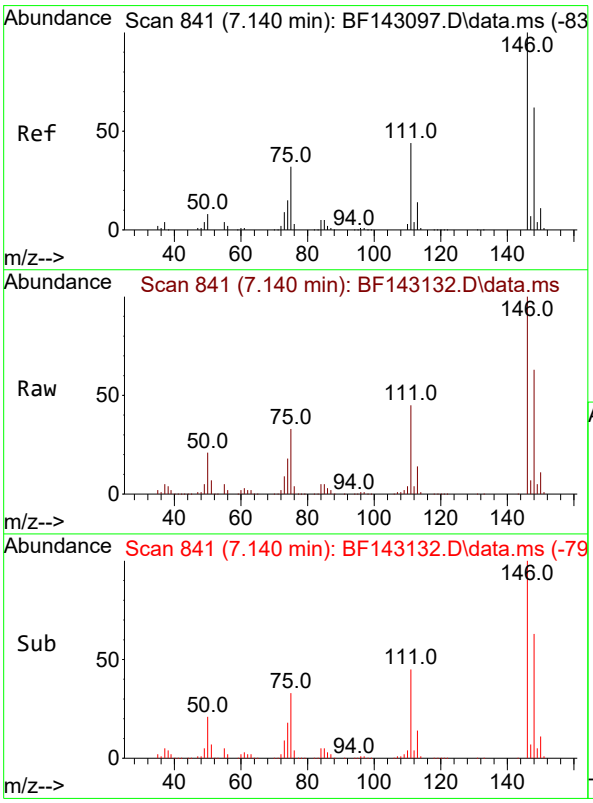
#13
1,4-Dichlorobenzene
Concen: 39.120 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:146 Resp: 437253

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	76.0
111	43.2	35.0	52.6

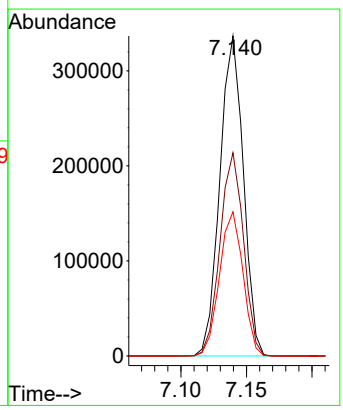


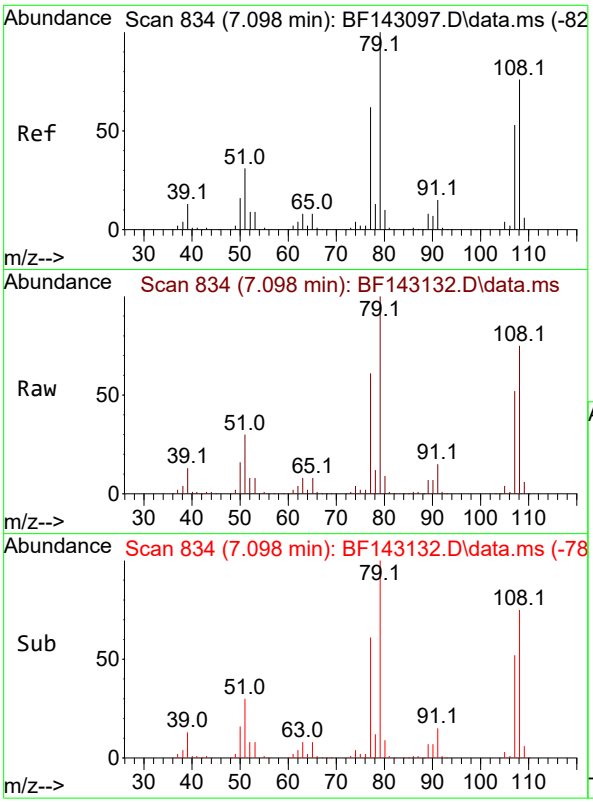


#14
1,2-Dichlorobenzene
Concen: 39.308 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:146 Resp: 418979

Ion	Ratio	Lower	Upper
146	100		
148	63.5	49.8	74.6
111	45.0	35.4	53.0



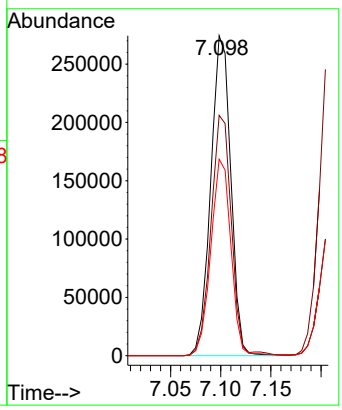


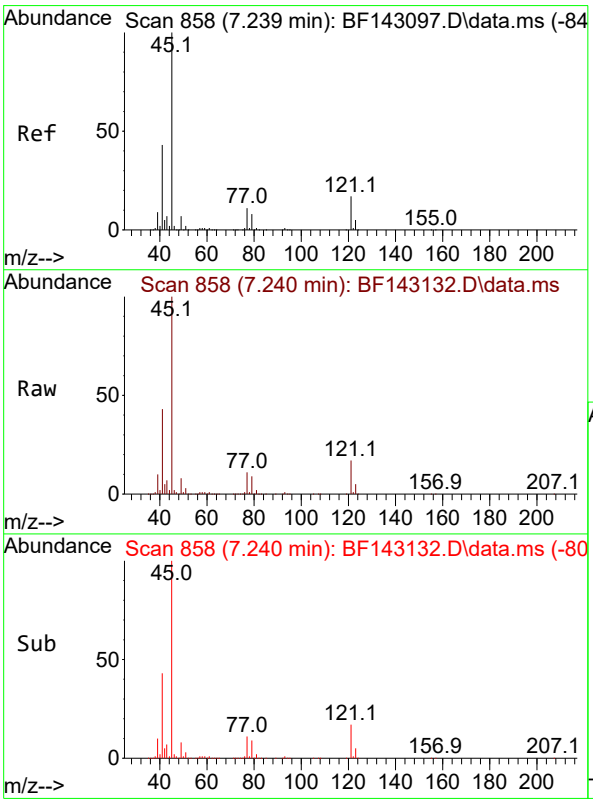
#15
Benzyl Alcohol
Concen: 41.845 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 79 Resp: 381475

Ion	Ratio	Lower	Upper
79	100		
108	75.1	61.1	91.7
77	61.4	49.9	74.9

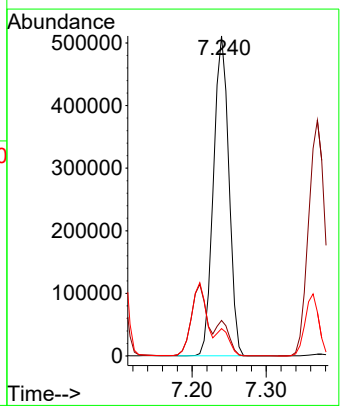


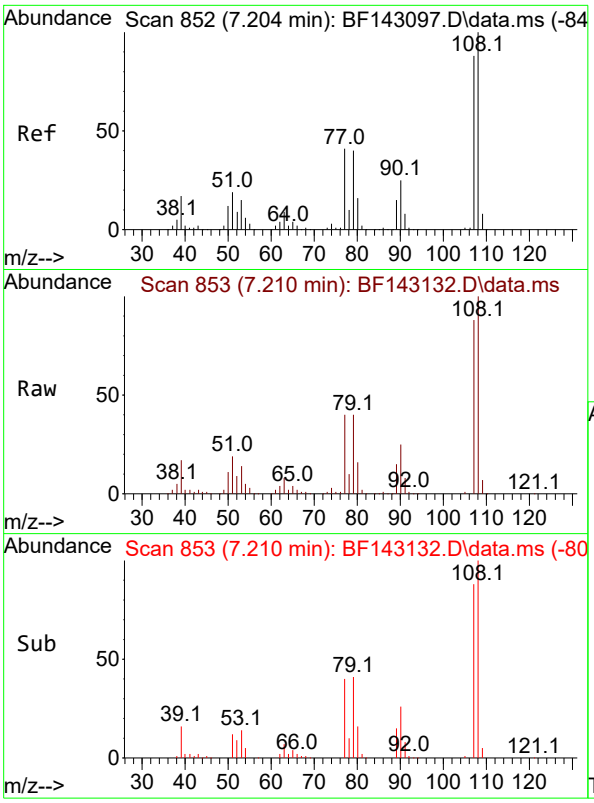


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.744 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 45 Resp: 736414

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.1
79	8.6	0.0	28.4



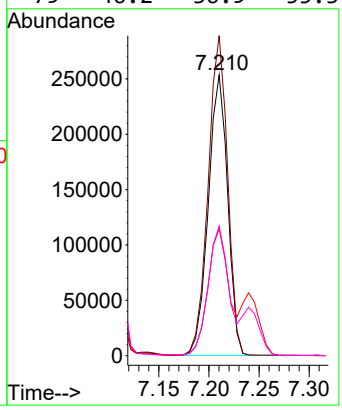


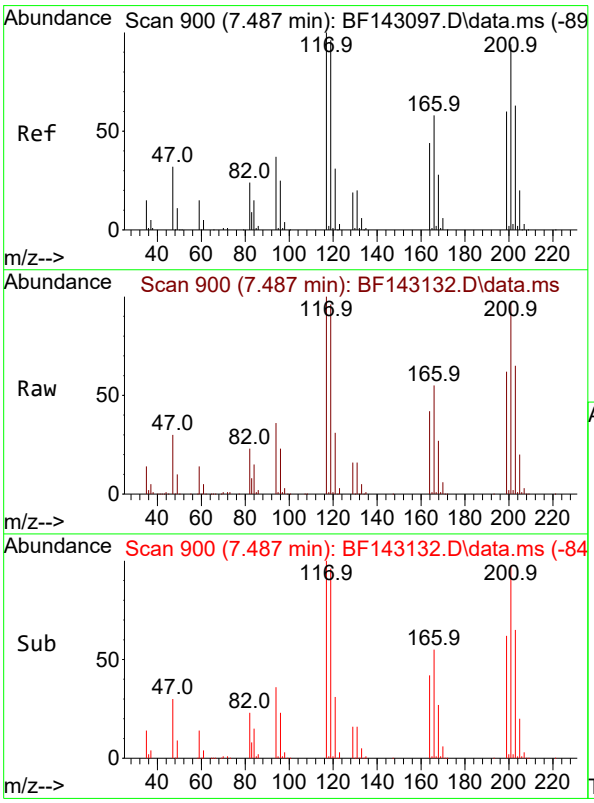
#17
2-Methylphenol
Concen: 40.217 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:107 Resp: 341298

Ion	Ratio	Lower	Upper
107	100		
108	114.0	90.9	136.3
77	45.2	37.5	56.3
79	46.2	36.9	55.3

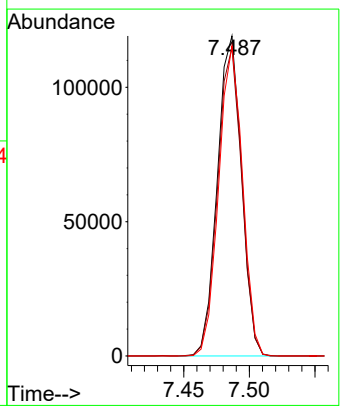


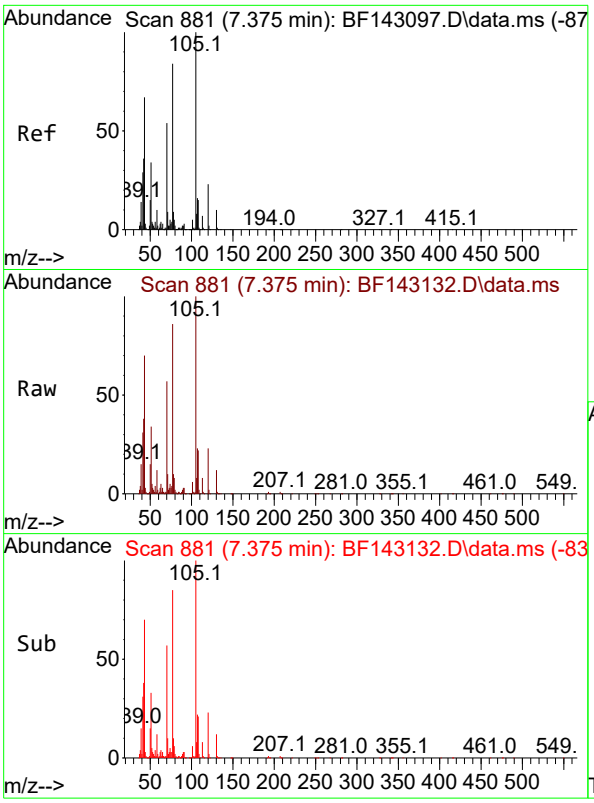


#18
Hexachloroethane
Concen: 42.022 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:117 Resp: 152901

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.7	115.1
201	96.9	75.0	112.4



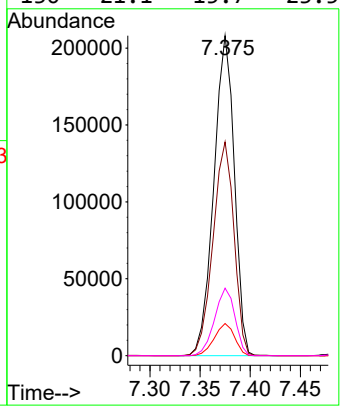


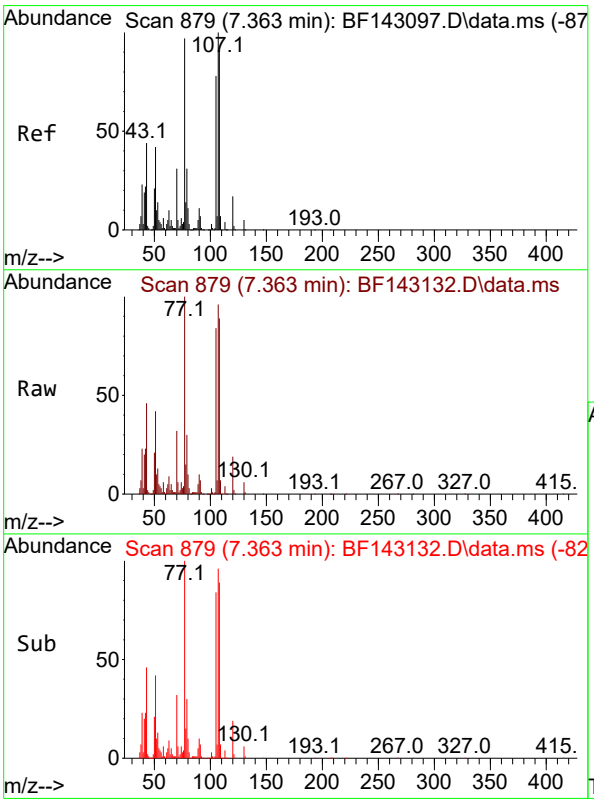
#19
n-Nitroso-di-n-propylamine
Concen: 39.267 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 70 Resp: 295976

Ion	Ratio	Lower	Upper
70	100		
42	66.8	53.2	79.8
101	10.0	7.5	11.3
130	21.1	15.7	23.5

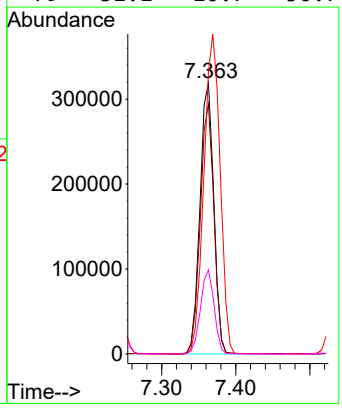


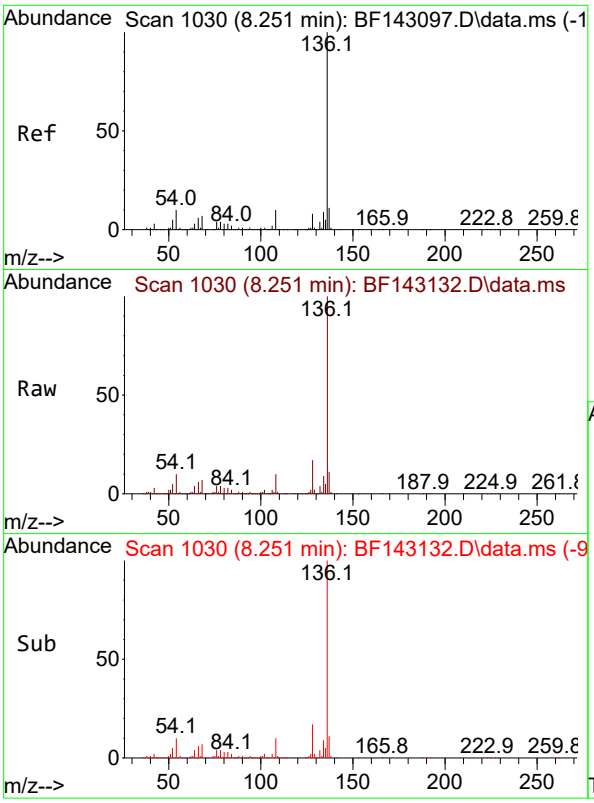


#20
3+4-Methylphenols
Concen: 39.943 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:107 Resp: 415708

Ion	Ratio	Lower	Upper
107	100		
108	92.3	71.3	111.3
77	103.9	77.2	117.2
79	31.1	10.7	50.7



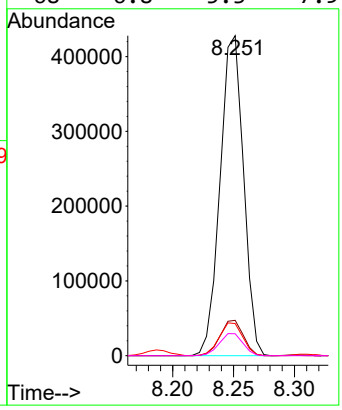


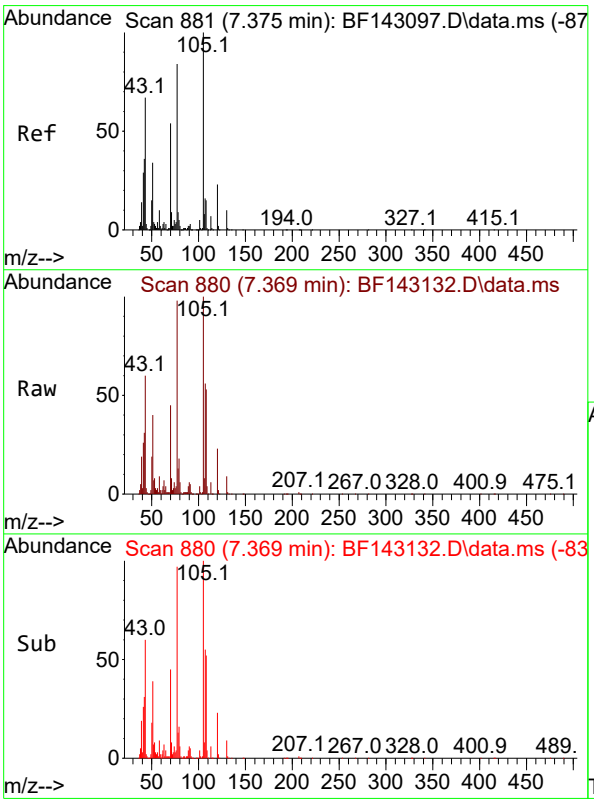
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:136 Resp: 573690

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.1	8.3	12.5
68	6.8	5.3	7.9

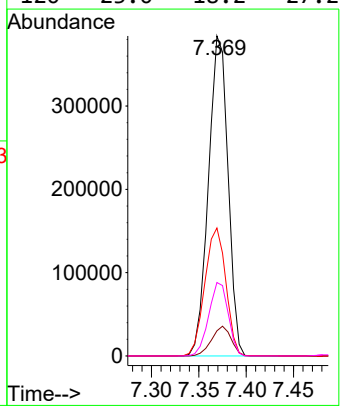


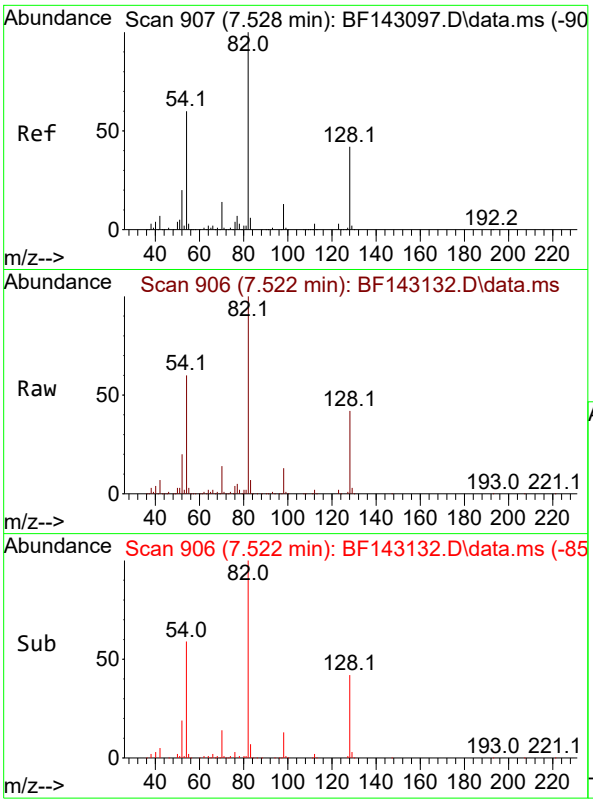


#22
Acetophenone
Concen: 39.979 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:105 Resp: 552881

Ion	Ratio	Lower	Upper
105	100		
71	7.8	7.2	10.8
51	40.0	27.0	40.4
120	23.0	18.2	27.2



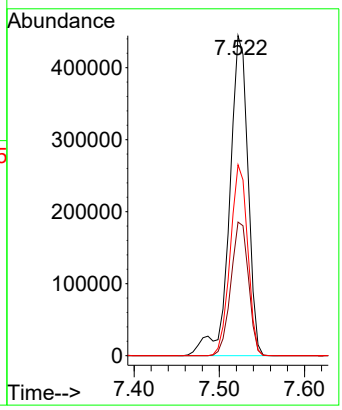


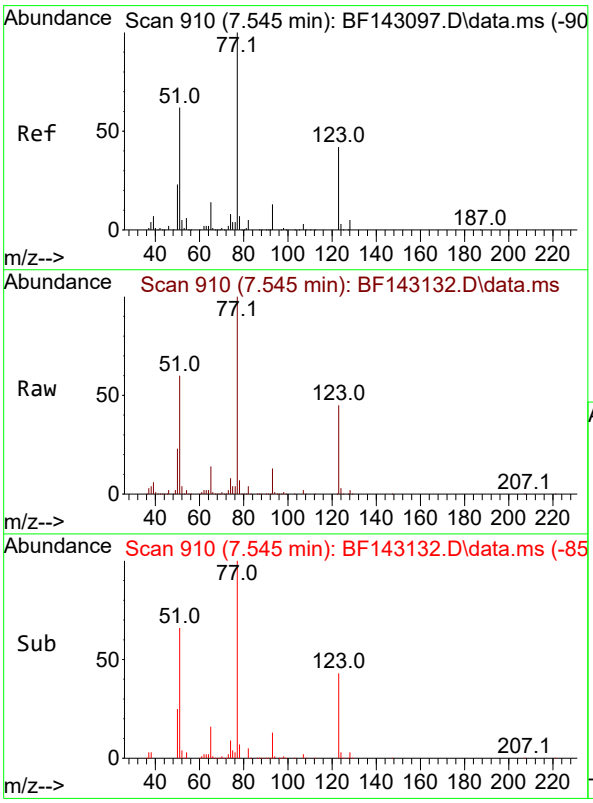
#23
Nitrobenzene-d5
Concen: 65.432 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 82 Resp: 669140

Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.3	49.9
54	59.6	47.4	71.2

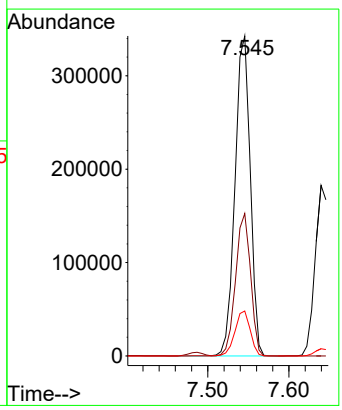


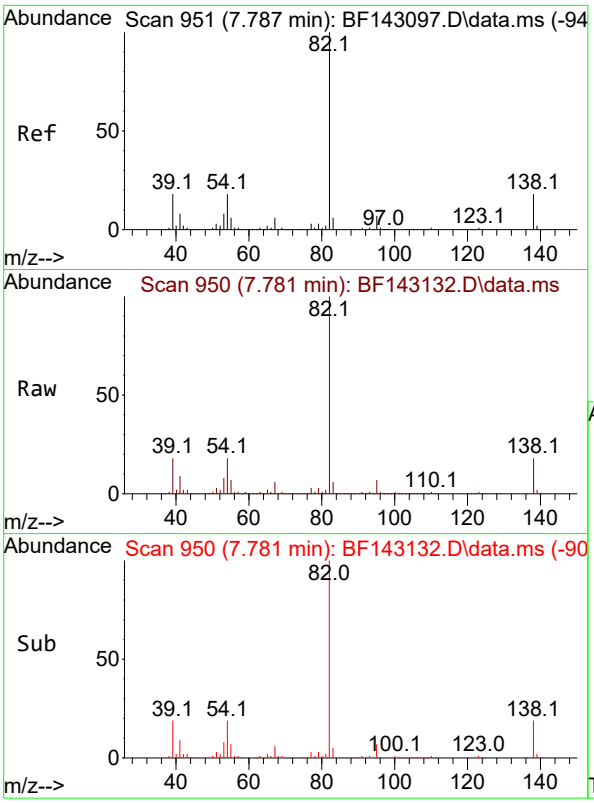


#24
Nitrobenzene
Concen: 45.189 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 77 Resp: 446124

Ion	Ratio	Lower	Upper
77	100		
123	44.5	34.5	51.7
65	14.1	11.3	16.9



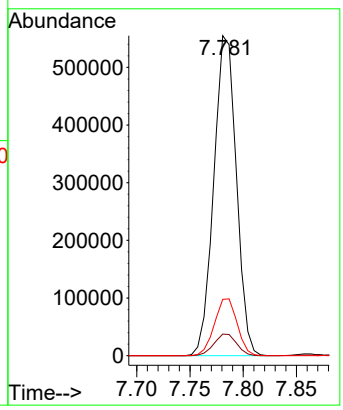


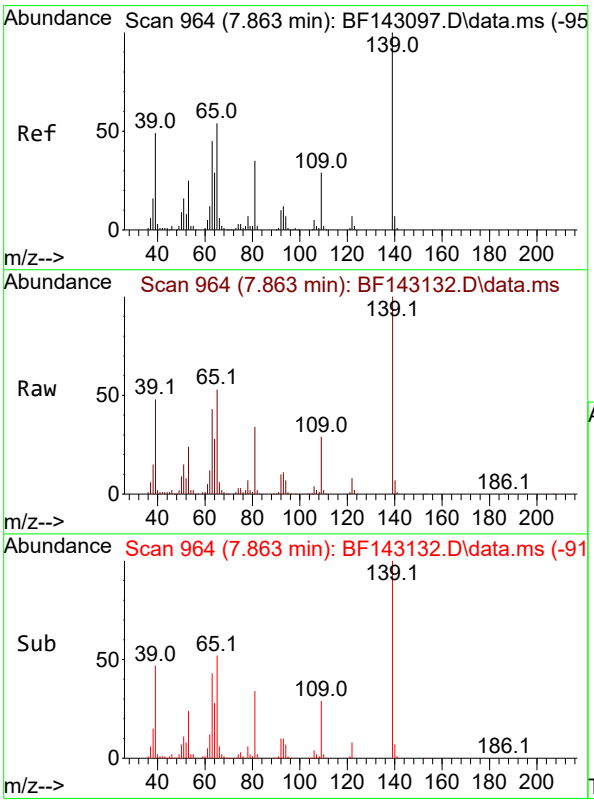
#25
Isophorone
Concen: 41.377 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 82 Resp: 817872

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	17.6	14.3	21.5

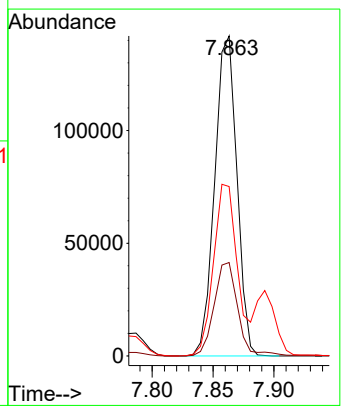


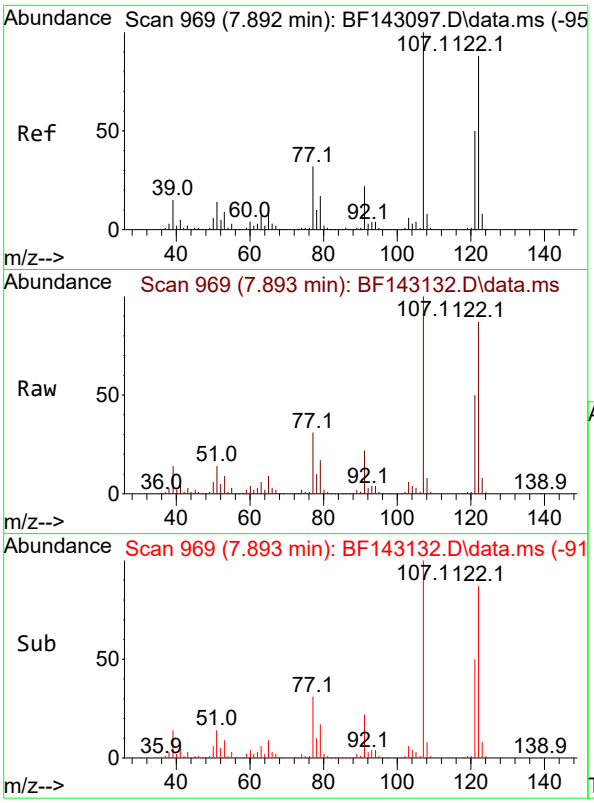


#26
2-Nitrophenol
Concen: 45.858 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:139 Resp: 180165

Ion	Ratio	Lower	Upper
139	100		
109	29.2	23.4	35.0
65	52.9	43.4	65.2



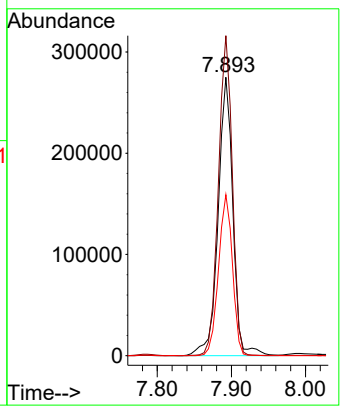


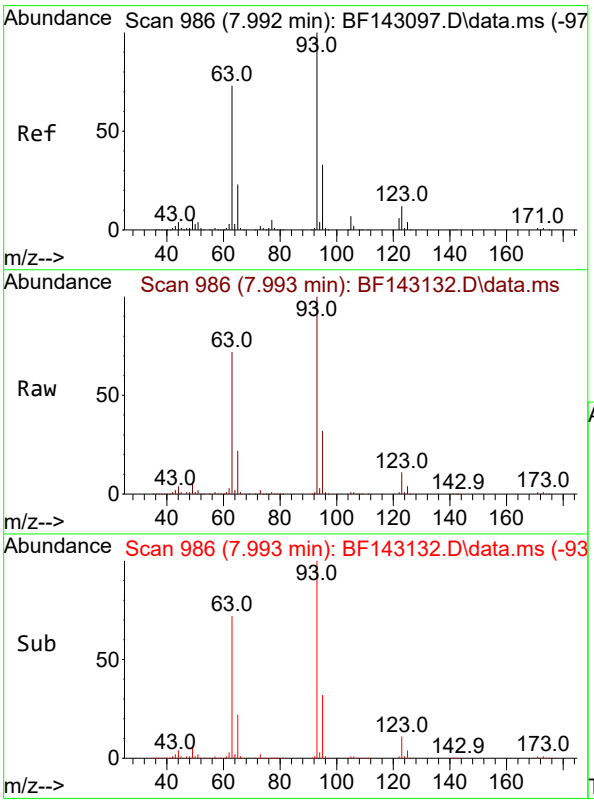
#27
2,4-Dimethylphenol
Concen: 41.536 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:122 Resp: 381063

Ion	Ratio	Lower	Upper
122	100		
107	114.9	91.3	136.9
121	57.8	45.5	68.3

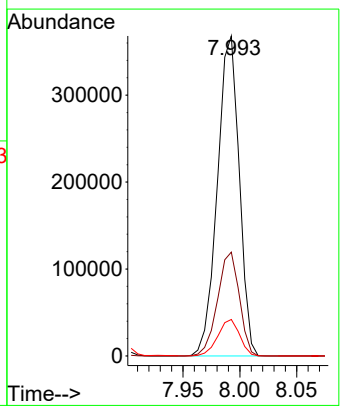


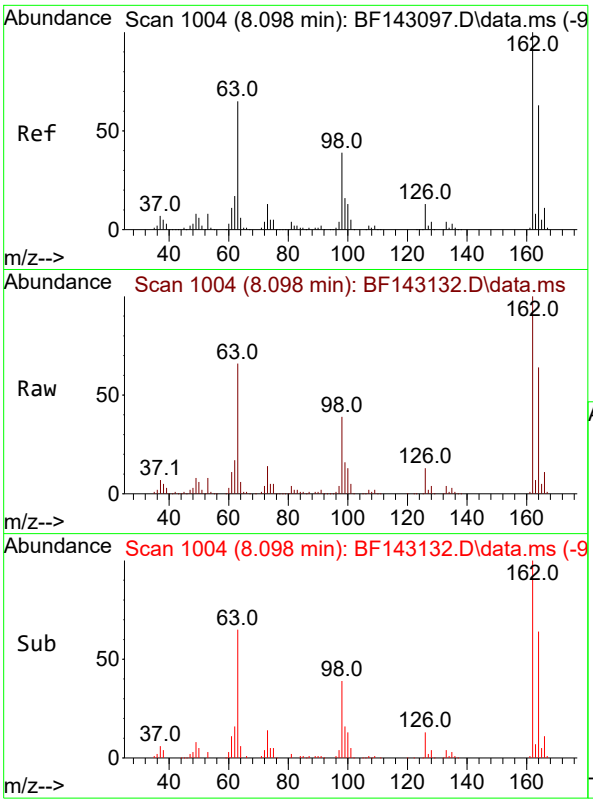


#28
bis(2-Chloroethoxy)methane
Concen: 41.068 ng
RT: 7.993 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 93 Resp: 492251

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.4	9.6	14.4



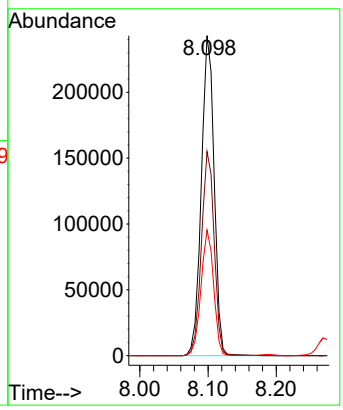


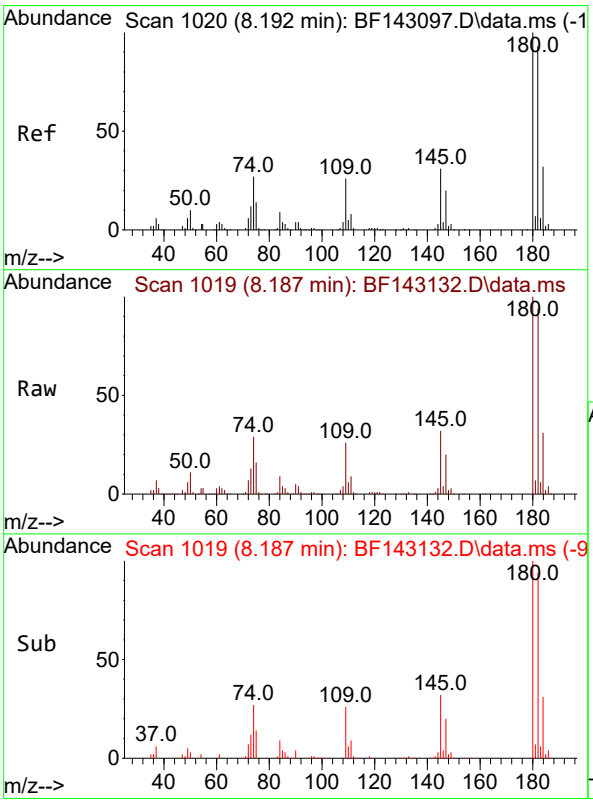
#29
2,4-Dichlorophenol
Concen: 42.246 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:162 Resp: 317079

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.1	83.1
98	39.2	19.2	59.2

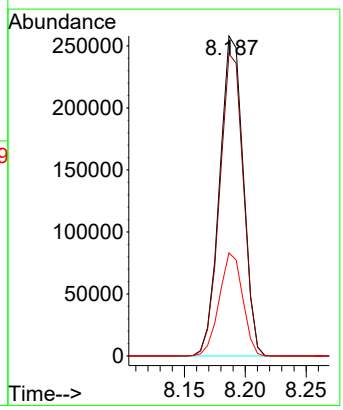


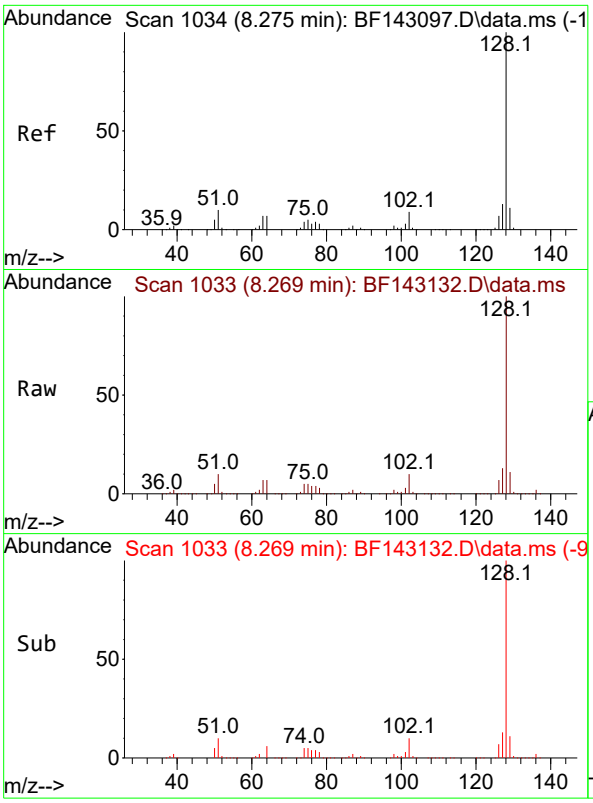


#30
1,2,4-Trichlorobenzene
Concen: 40.867 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:180 Resp: 348097

Ion	Ratio	Lower	Upper
180	100		
182	94.4	74.7	112.1
145	32.2	24.5	36.7



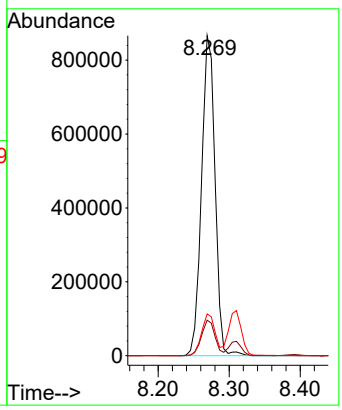


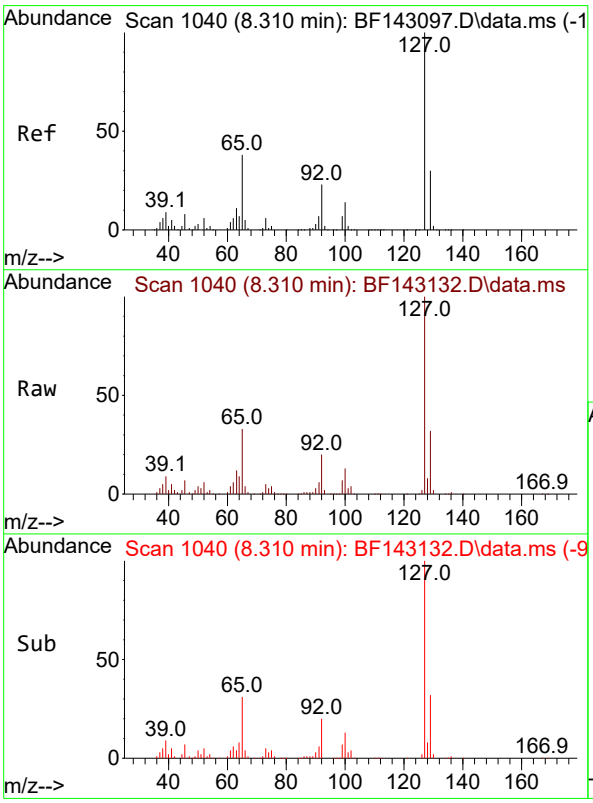
#31
Naphthalene
Concen: 40.233 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:128 Resp: 1146191

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.5	15.7

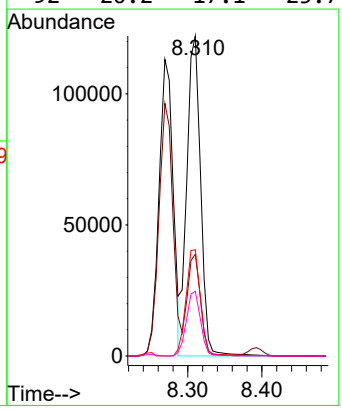


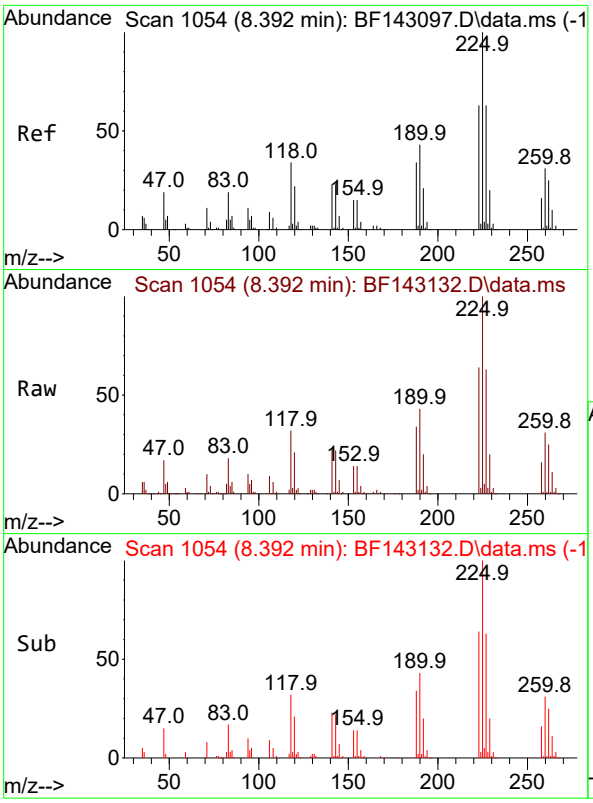


#33
4-Chloroaniline
Concen: 13.900 ng
RT: 8.310 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:127 Resp: 159239

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.2	39.4
65	33.2	28.6	42.8
92	20.2	17.1	25.7



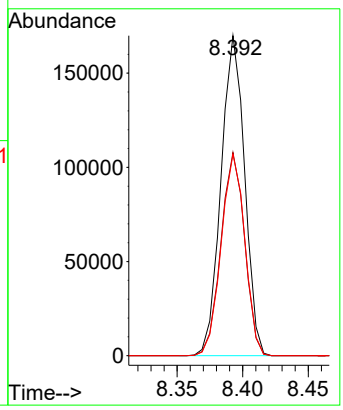


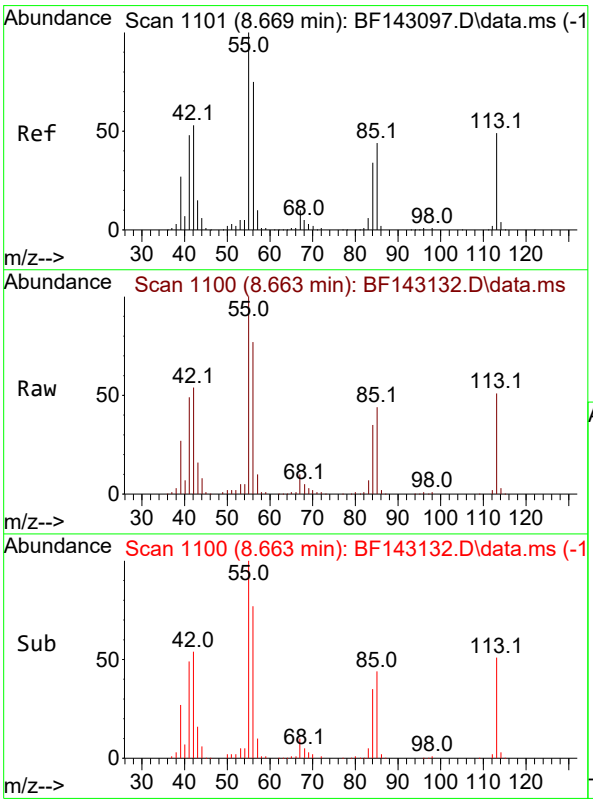
#34
Hexachlorobutadiene
Concen: 41.692 ng
RT: 8.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:225 Resp: 212383

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.3	75.5
227	63.0	50.1	75.1

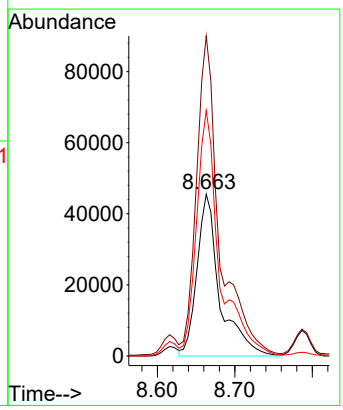


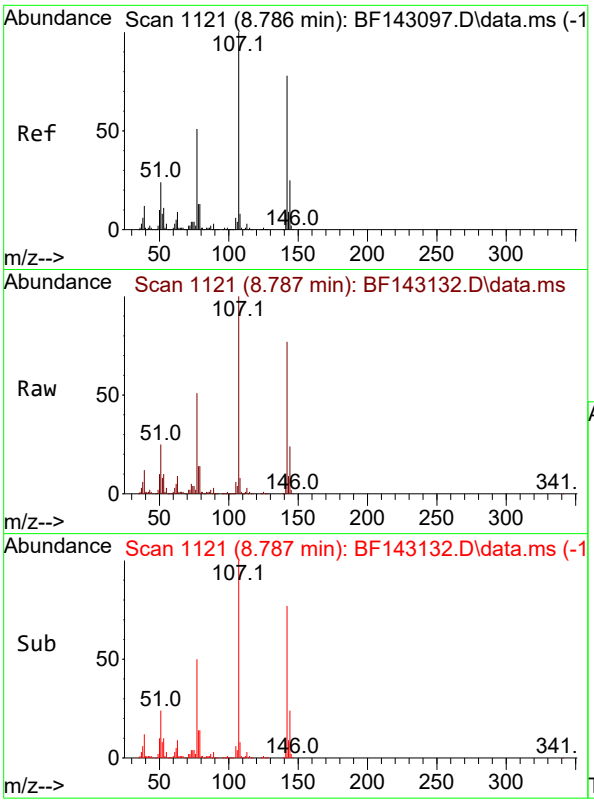


#35
Caprolactam
Concen: 39.630 ng
RT: 8.663 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:113 Resp: 92881

Ion	Ratio	Lower	Upper
113	100		
55	197.8	186.2	226.2
56	151.8	134.1	174.1



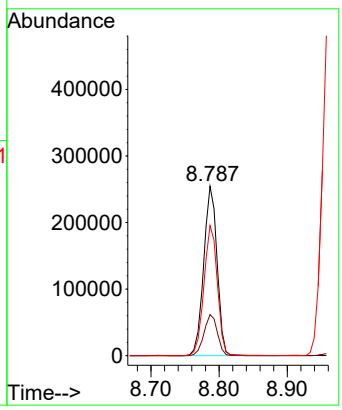


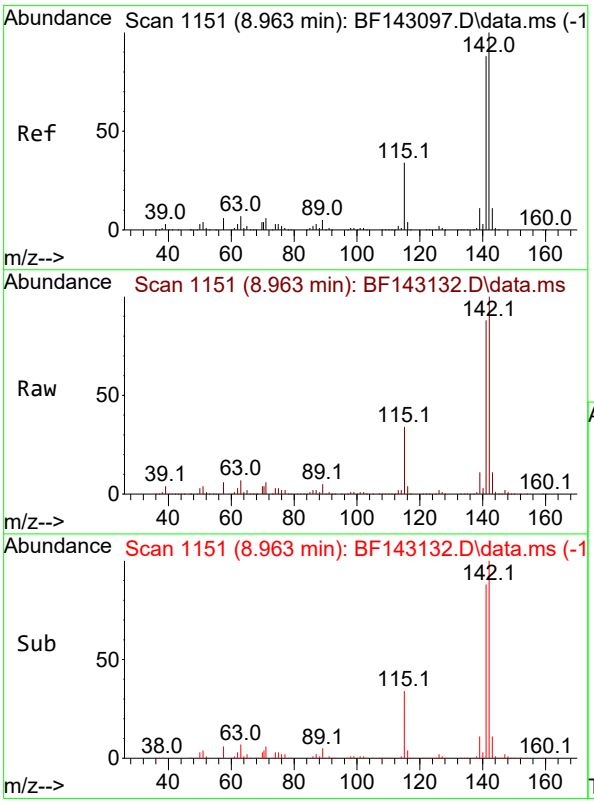
#36
4-Chloro-3-methylphenol
Concen: 41.626 ng
RT: 8.787 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:107 Resp: 348019

Ion	Ratio	Lower	Upper
107	100		
144	24.3	20.2	30.2
142	76.7	62.4	93.6

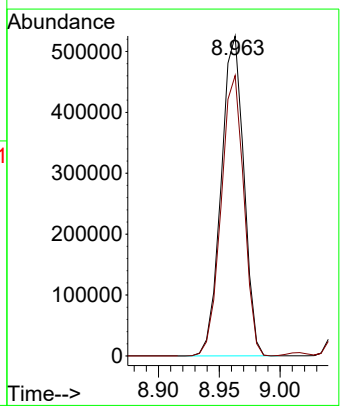


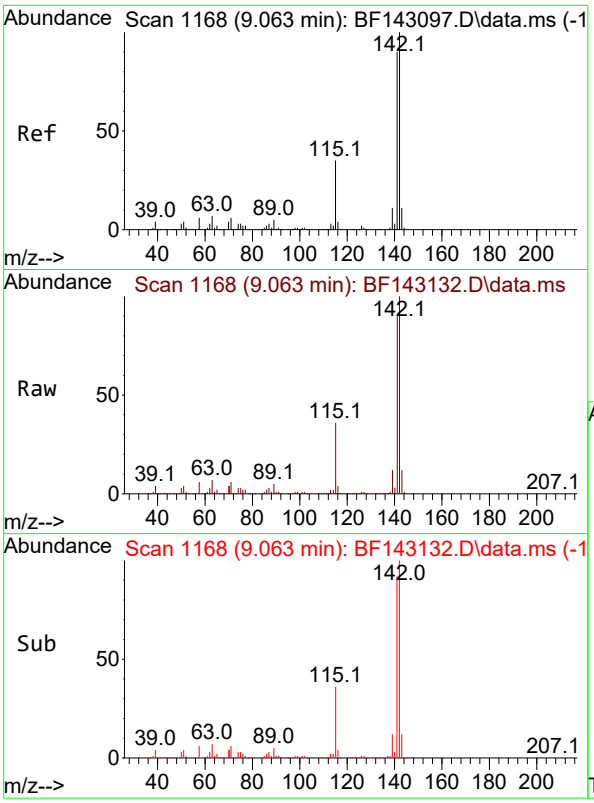


#37
2-Methylnaphthalene
Concen: 40.043 ng
RT: 8.963 min Scan# 1151
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:142 Resp: 680541

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.2	105.2



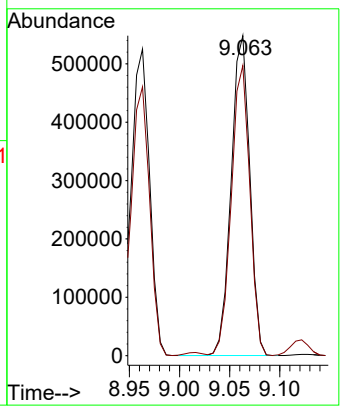


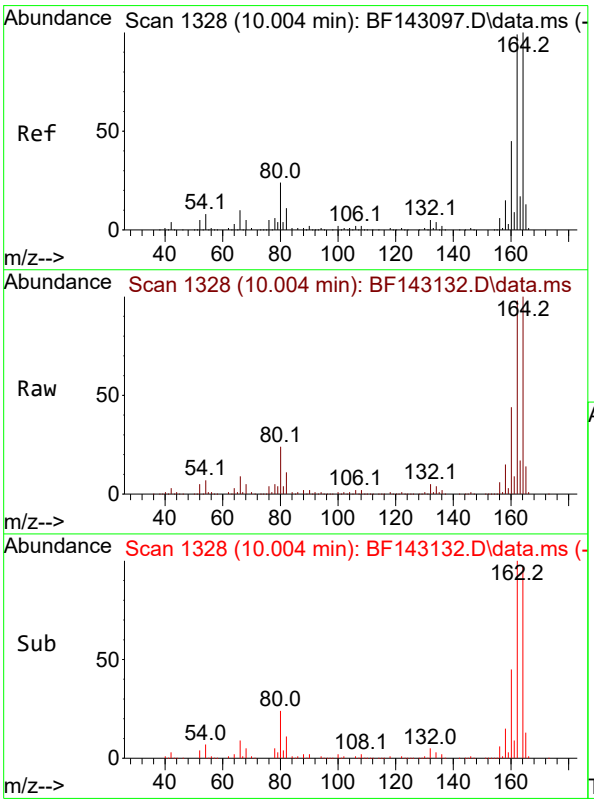
#38
1-Methylnaphthalene
Concen: 40.264 ng
RT: 9.063 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:142 Resp: 709748

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.4

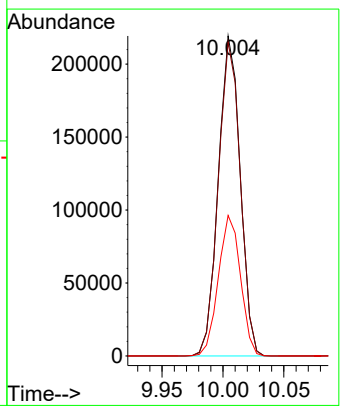


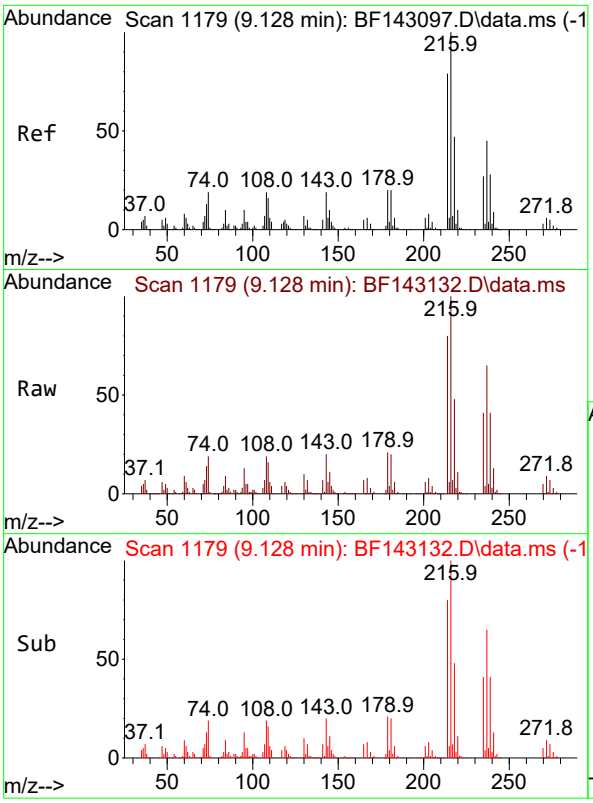


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:164 Resp: 274130

Ion	Ratio	Lower	Upper
164	100		
162	98.0	79.0	118.6
160	43.9	35.8	53.6



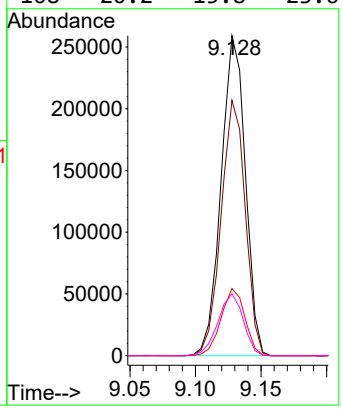


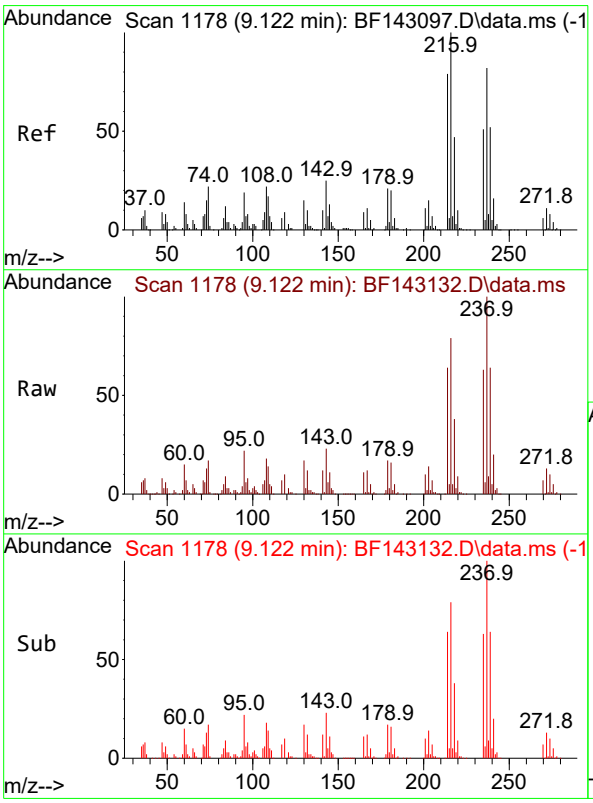
#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.667 ng
RT: 9.128 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:216 Resp: 332868

Ion	Ratio	Lower	Upper
216	100		
214	79.4	62.6	94.0
179	20.7	16.2	24.2
108	20.2	15.8	23.6

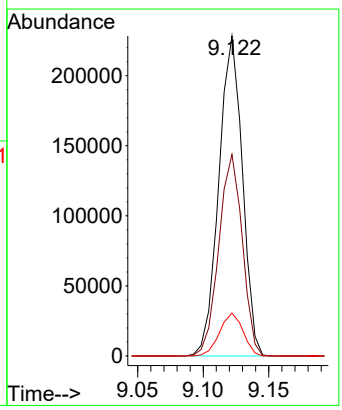


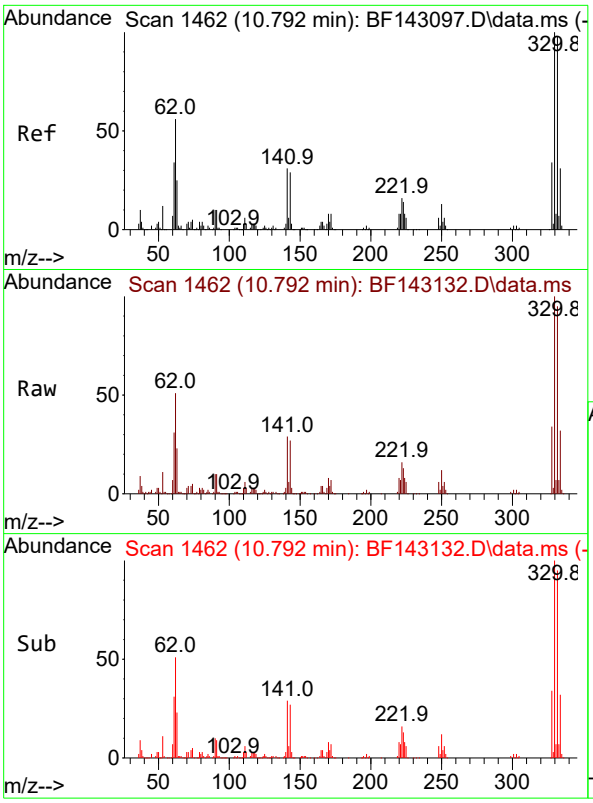


#41
Hexachlorocyclopentadiene
Concen: 64.416 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:237 Resp: 285312

Ion	Ratio	Lower	Upper
237	100		
235	62.9	41.6	81.6
272	13.4	0.0	32.9



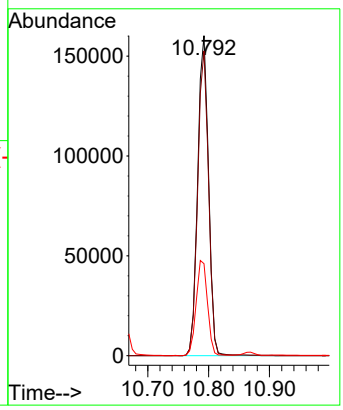


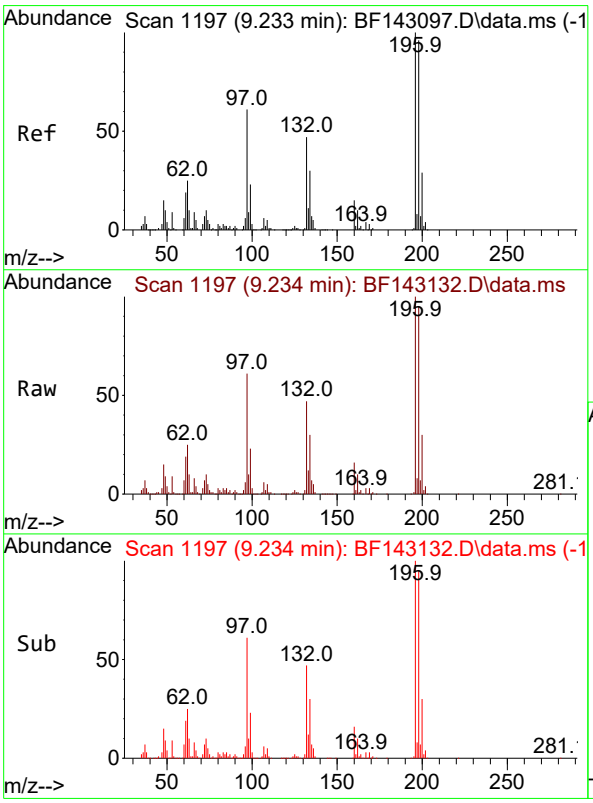
#42
2,4,6-Tribromophenol
Concen: 81.226 ng
RT: 10.792 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:330 Resp: 198539

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.9	116.9
141	31.1	25.9	38.9

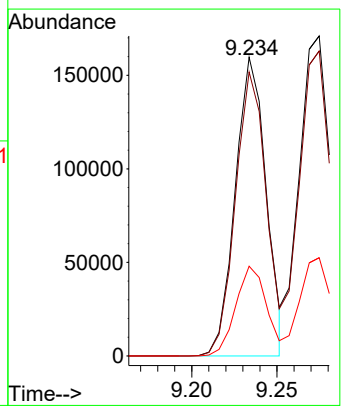


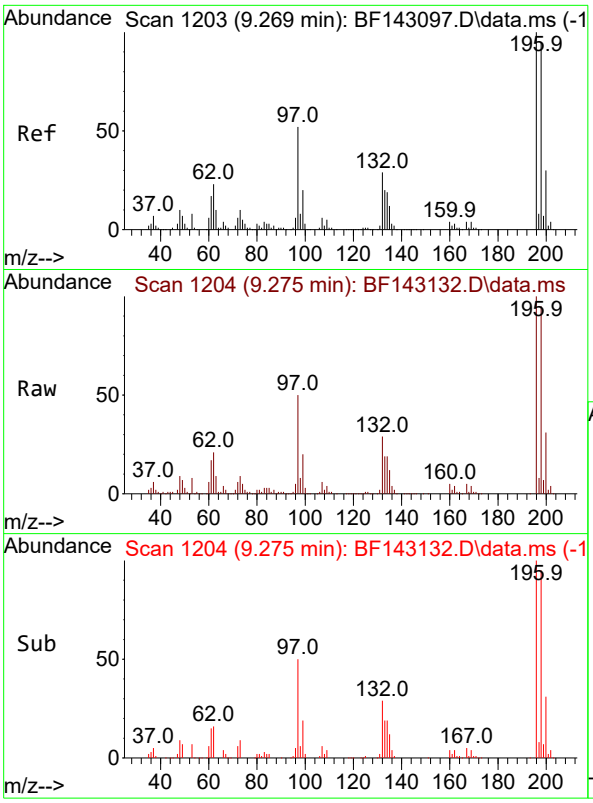


#43
2,4,6-Trichlorophenol
Concen: 40.479 ng
RT: 9.234 min Scan# 1197
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:196 Resp: 200935

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.9	115.3
200	30.1	23.5	35.3



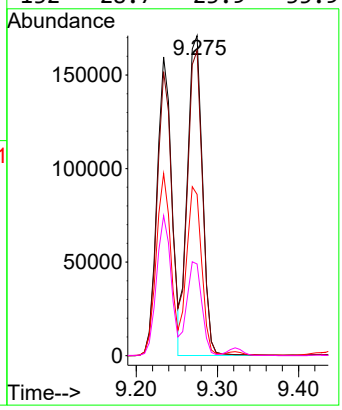


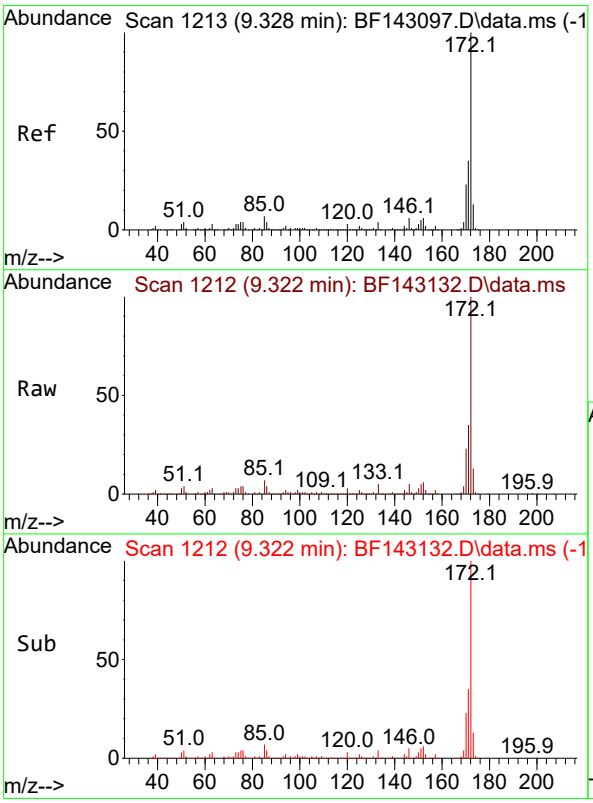
#44
2,4,5-Trichlorophenol
Concen: 42.469 ng
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:196 Resp: 221043

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.4	114.6
97	50.4	42.4	63.6
132	28.7	23.9	35.9

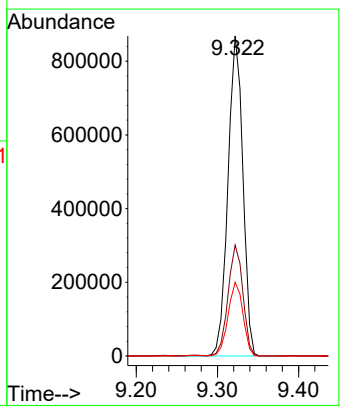


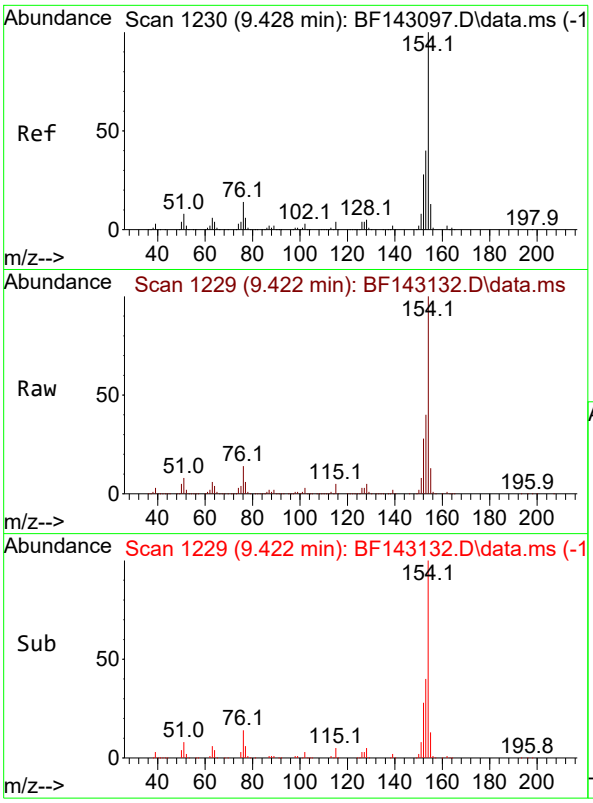


#45
2-Fluorobiphenyl
Concen: 53.645 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:172 Resp: 1106288

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	23.0	18.6	28.0



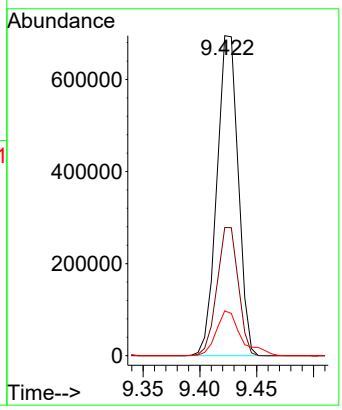


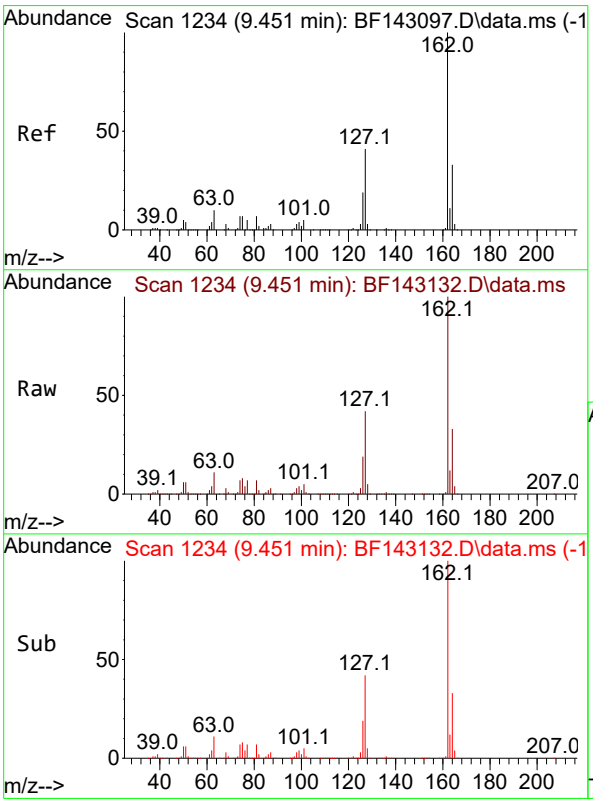
#46
1,1'-Biphenyl
Concen: 41.515 ng
RT: 9.422 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:154 Resp: 907562

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.1	60.1
76	14.0	0.0	33.7

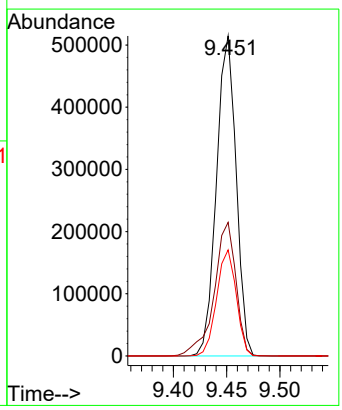


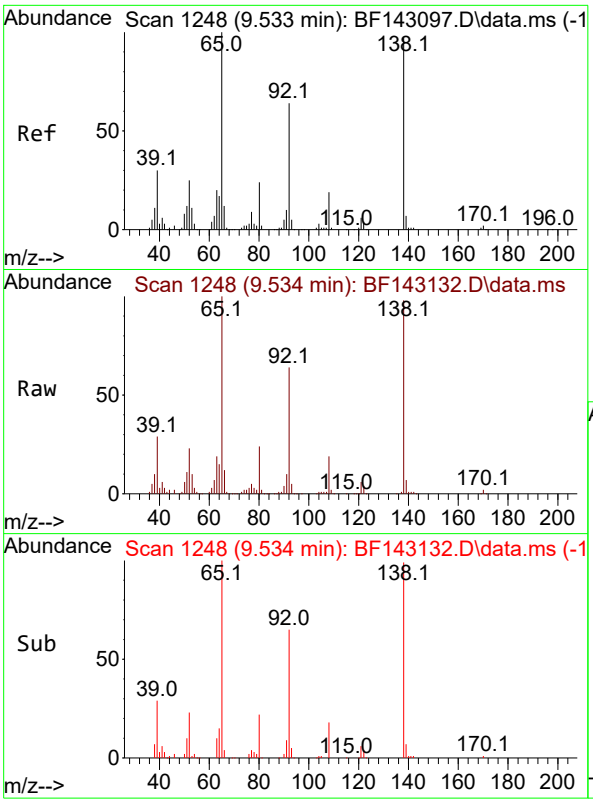


#47
2-Chloronaphthalene
Concen: 41.046 ng
RT: 9.451 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:162 Resp: 659194

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.0	49.6
164	33.2	26.1	39.1



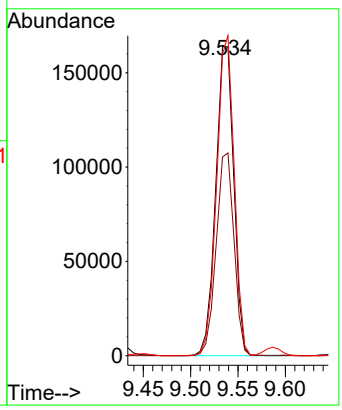


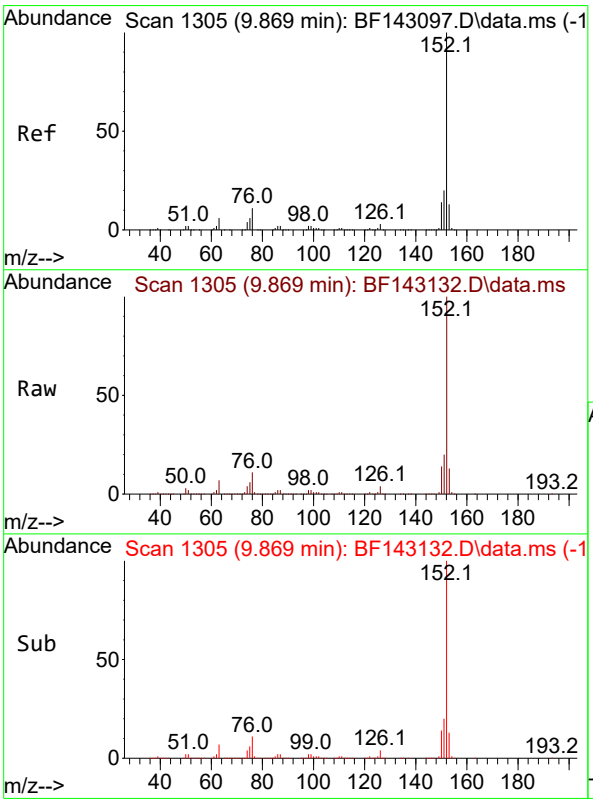
#48
2-Nitroaniline
Concen: 45.695 ng
RT: 9.534 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion: 65 Resp: 218325

Ion	Ratio	Lower	Upper
65	100		
92	64.3	51.3	76.9
138	97.5	77.8	116.6

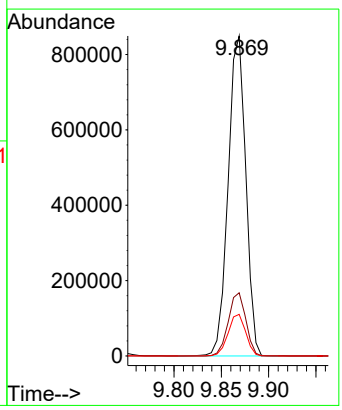


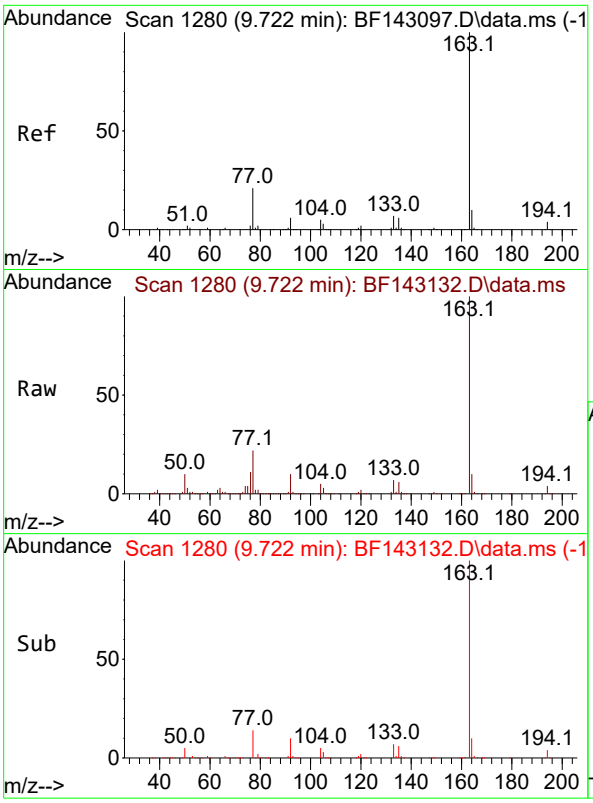


#49
Acenaphthylene
Concen: 41.125 ng
RT: 9.869 min Scan# 1305
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:152 Resp: 1100552

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.0	10.4	15.6



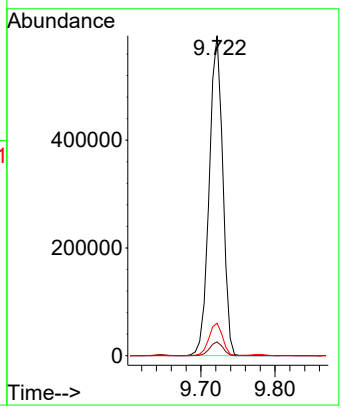


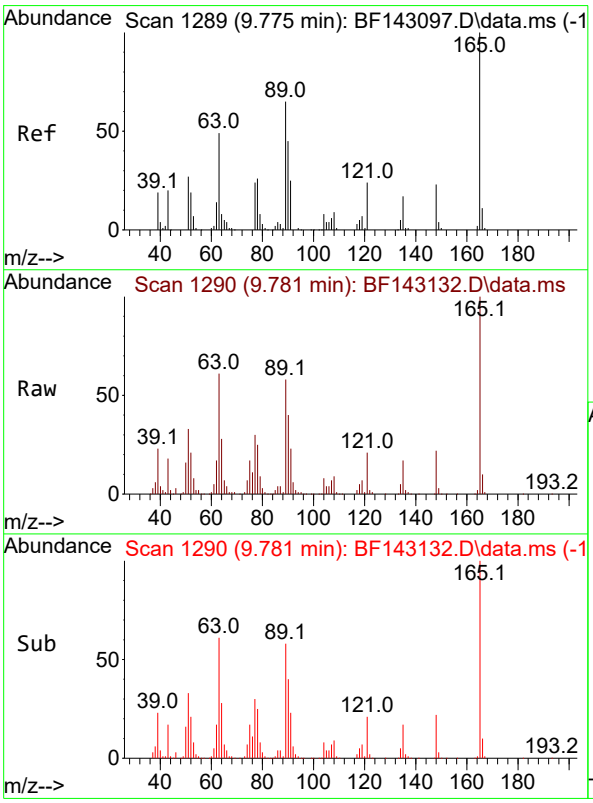
#50
Dimethylphthalate
Concen: 43.770 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:163 Resp: 754861

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.1	8.2	12.2

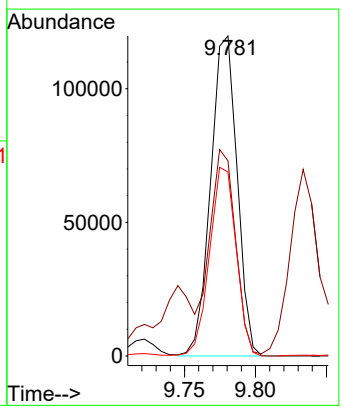


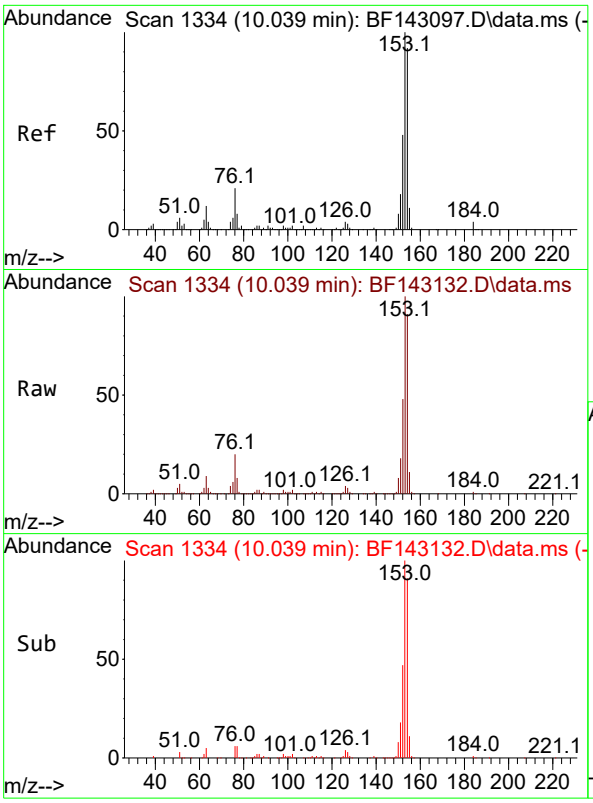


#51
2,6-Dinitrotoluene
Concen: 45.711 ng
RT: 9.781 min Scan# 1290
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:165 Resp: 155290

Ion	Ratio	Lower	Upper
165	100		
63	61.0	57.4	86.0
89	57.5	51.8	77.8



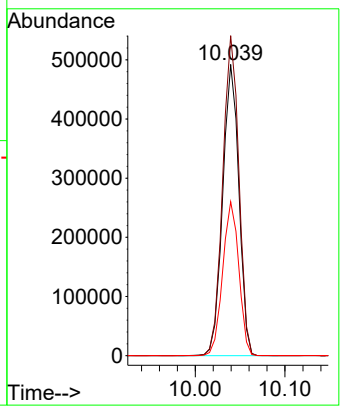


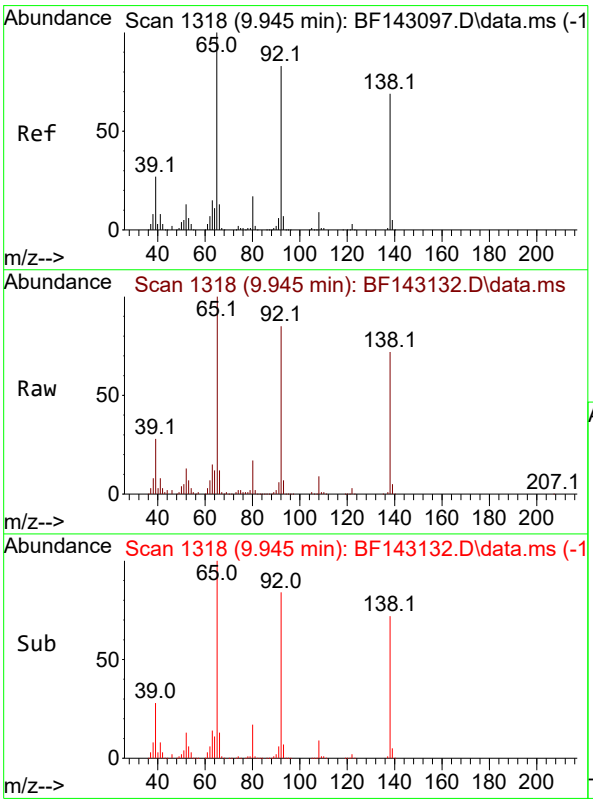
#52
Acenaphthene
Concen: 39.050 ng
RT: 10.039 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:154 Resp: 616683

Ion	Ratio	Lower	Upper
154	100		
153	109.9	86.7	130.1
152	52.9	41.4	62.2

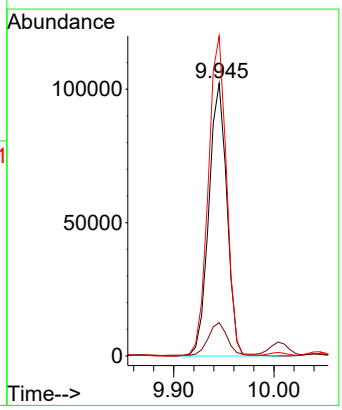


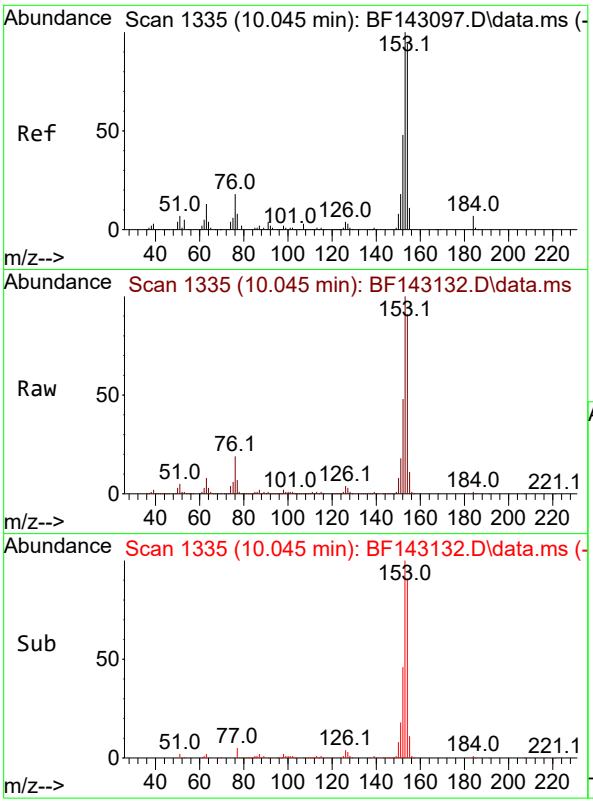


#53
3-Nitroaniline
Concen: 34.355 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:138 Resp: 128024

Ion	Ratio	Lower	Upper
138	100		
108	12.2	10.1	15.1
92	117.3	96.4	144.6



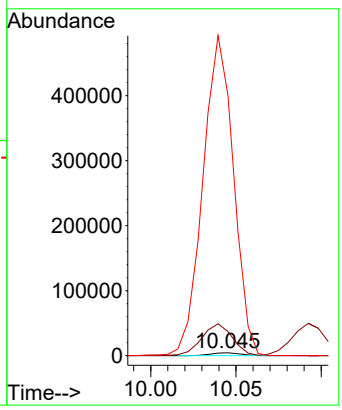


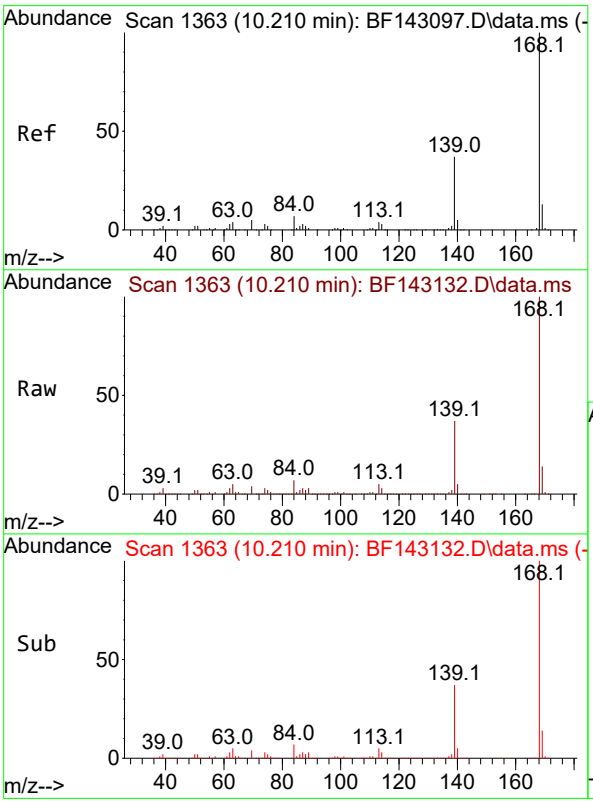
#54
2,4-Dinitrophenol
Concen: 10.510 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:184 Resp: 5497

Ion	Ratio	Lower	Upper
184	100		
63	840.0	149.3	223.9#
154	9019.7	1048.0	1572.0#

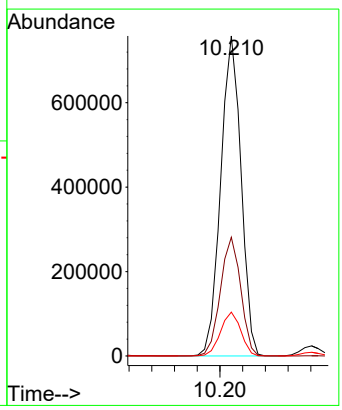


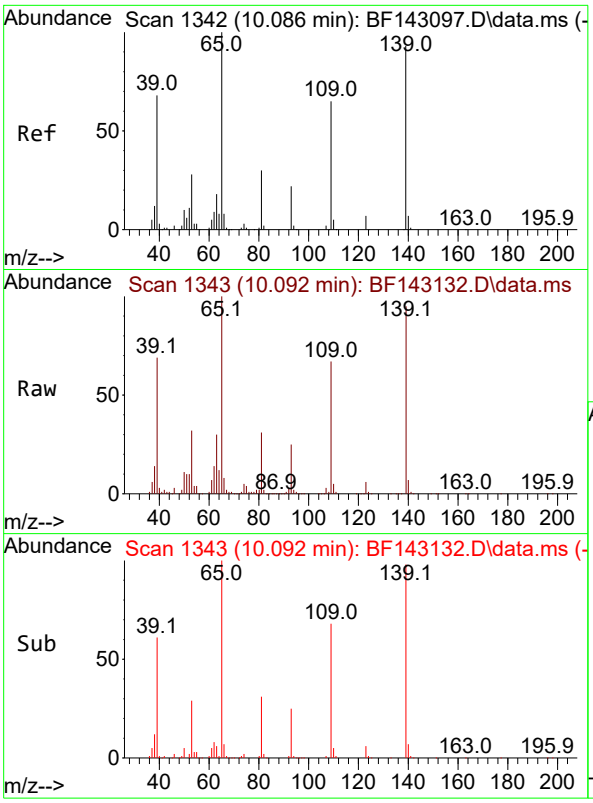


#55
Dibenzofuran
Concen: 40.038 ng
RT: 10.210 min Scan# 1363
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:168 Resp: 942444

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.6
169	13.7	10.8	16.2



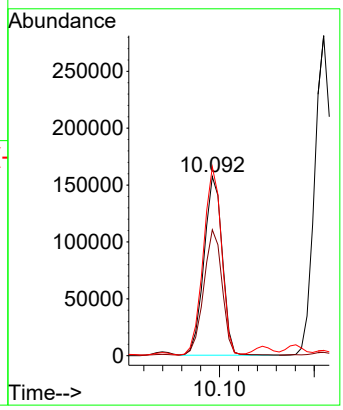


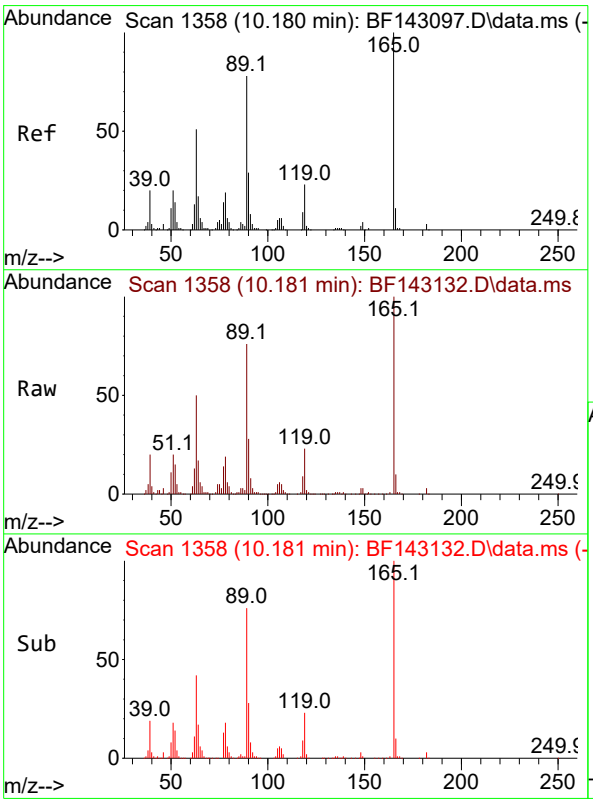
#56
4-Nitrophenol
Concen: 71.046 ng
RT: 10.092 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:139 Resp: 210415

Ion	Ratio	Lower	Upper
139	100		
109	70.3	49.4	89.4
65	105.5	88.2	128.2

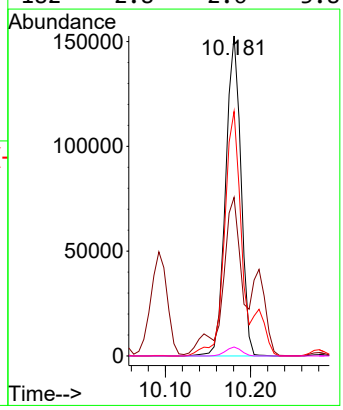


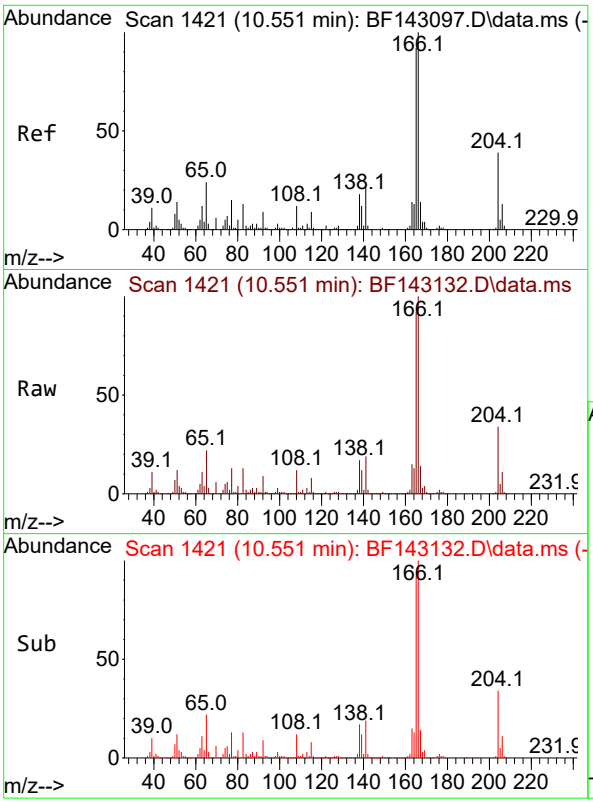


#57
2,4-Dinitrotoluene
Concen: 44.997 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.001 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:165 Resp: 190519

Ion	Ratio	Lower	Upper
165	100		
63	49.5	40.6	61.0
89	76.4	62.3	93.5
182	2.8	2.6	3.8



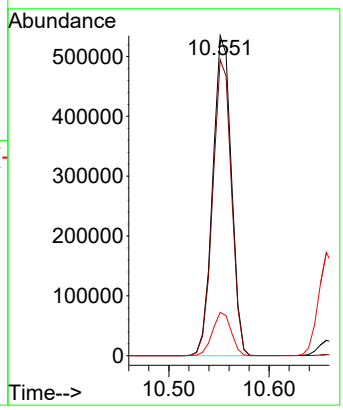


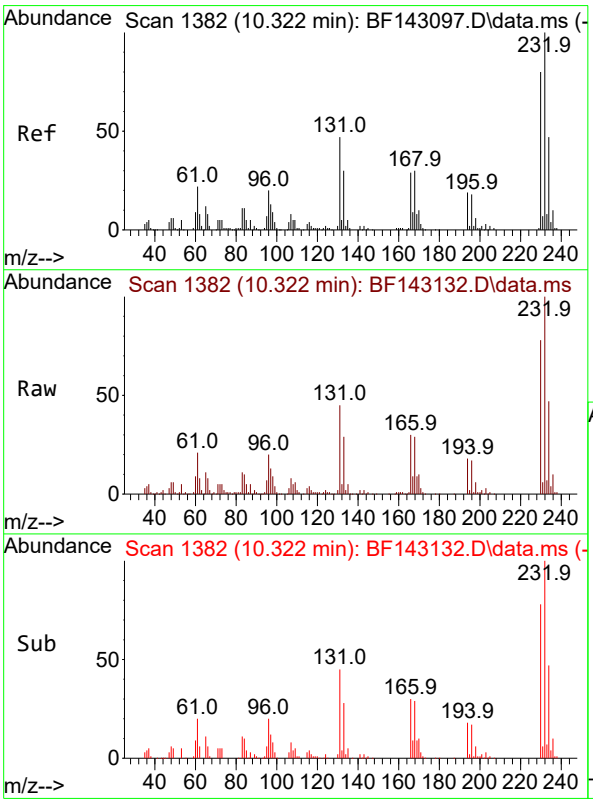
#58
Fluorene
Concen: 39.088 ng
RT: 10.551 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:166 Resp: 689808

Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.7	110.5
167	13.6	10.9	16.3

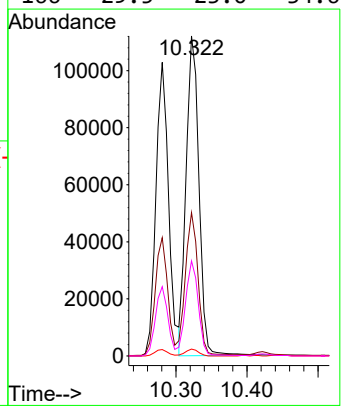


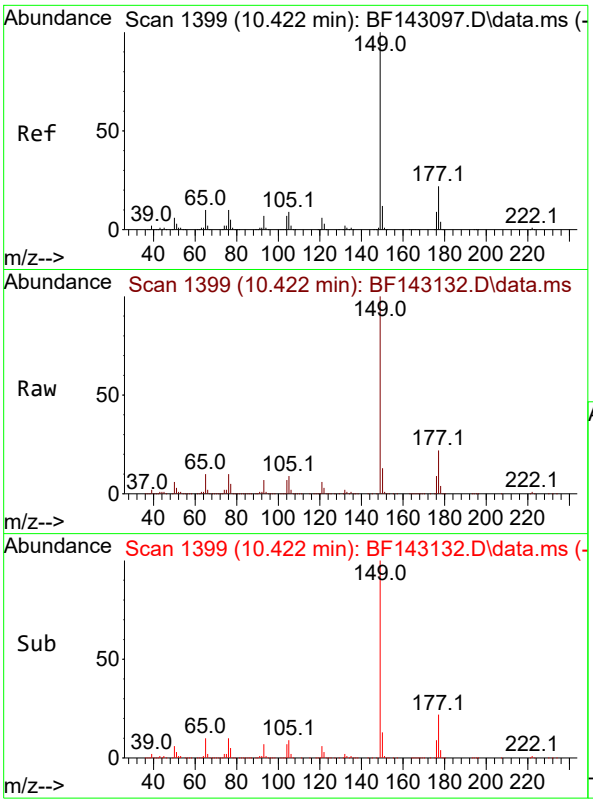


#59
2,3,4,6-Tetrachlorophenol
Concen: 33.949 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:232 Resp: 140420

Ion	Ratio	Lower	Upper
232	100		
131	44.7	36.9	55.3
130	2.2	1.8	2.8
166	29.5	23.0	34.6



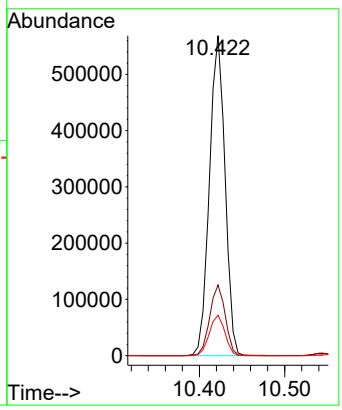


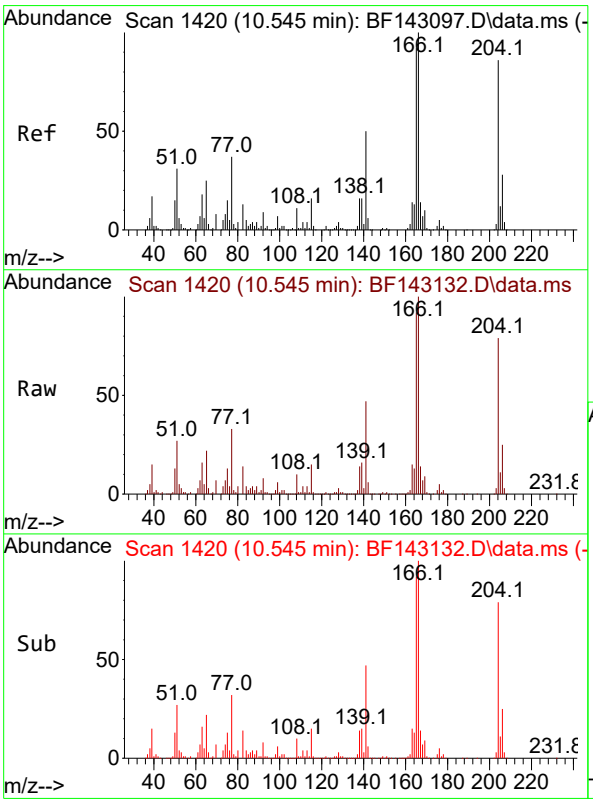
#60
Diethylphthalate
Concen: 43.405 ng
RT: 10.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:149 Resp: 722197

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.3	25.9
150	12.7	9.9	14.9

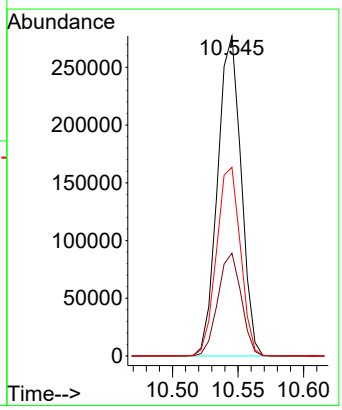


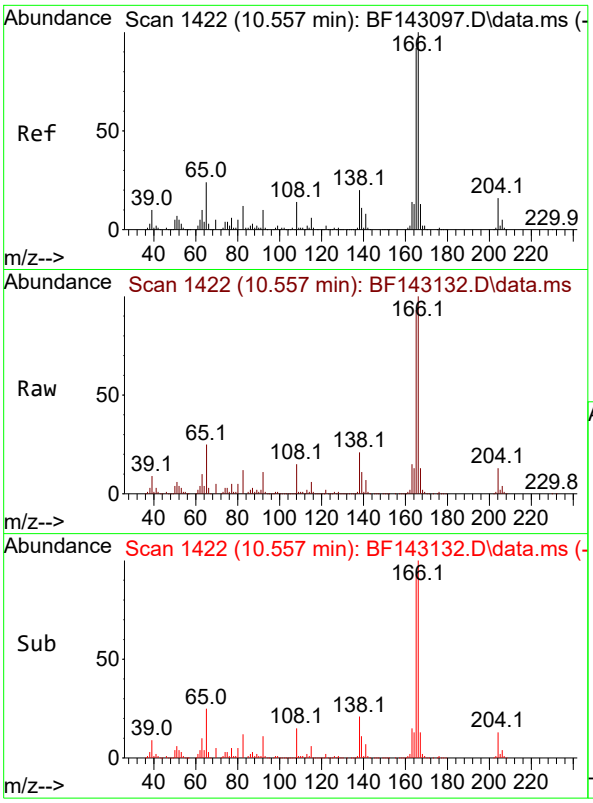


#61
4-Chlorophenyl-phenylether
Concen: 40.789 ng
RT: 10.545 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:204 Resp: 345005

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.8	38.6
141	59.0	46.8	70.2



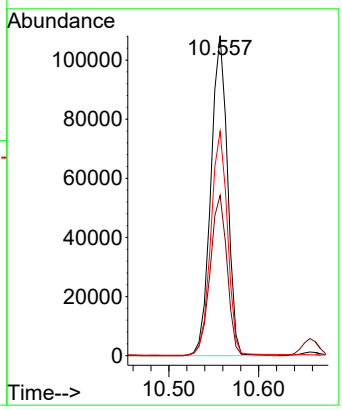


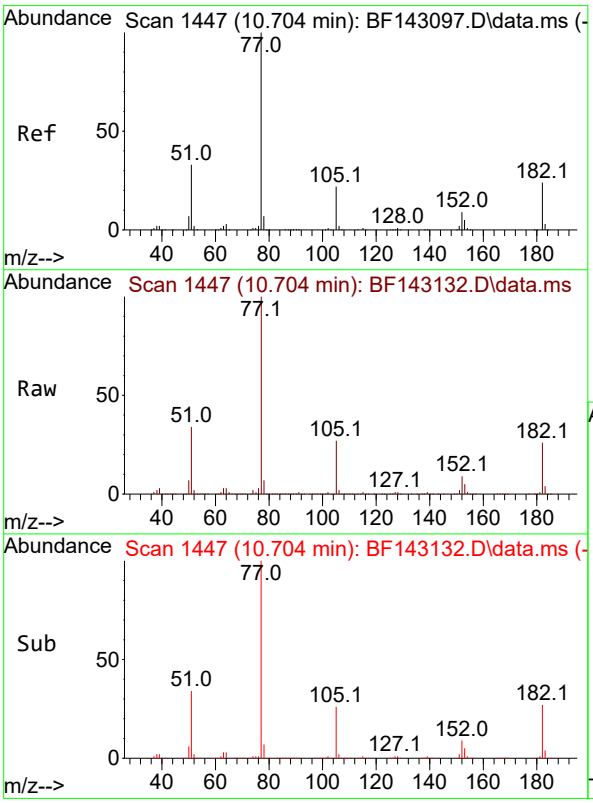
#62
4-Nitroaniline
Concen: 42.929 ng
RT: 10.557 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:138 Resp: 139120

Ion	Ratio	Lower	Upper
138	100		
92	50.1	30.4	70.4
108	70.2	49.5	89.5

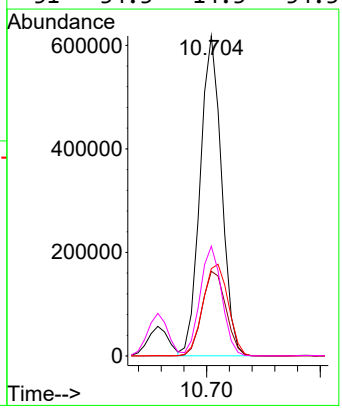


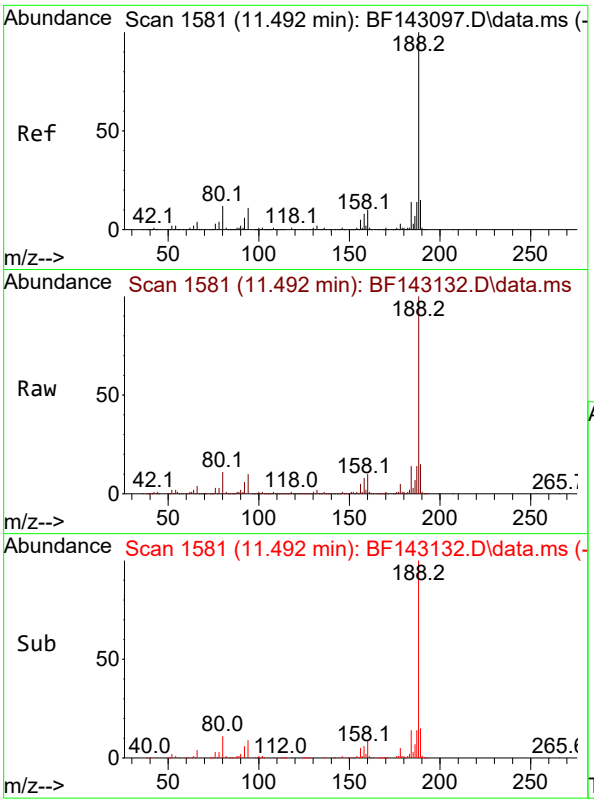


#63
Azobenzene
Concen: 43.895 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion: 77 Resp: 807710

Ion	Ratio	Lower	Upper
77	100		
182	26.5	4.0	44.0
105	27.3	1.4	41.4
51	34.3	14.3	54.3



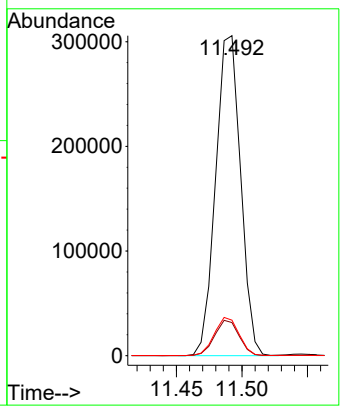


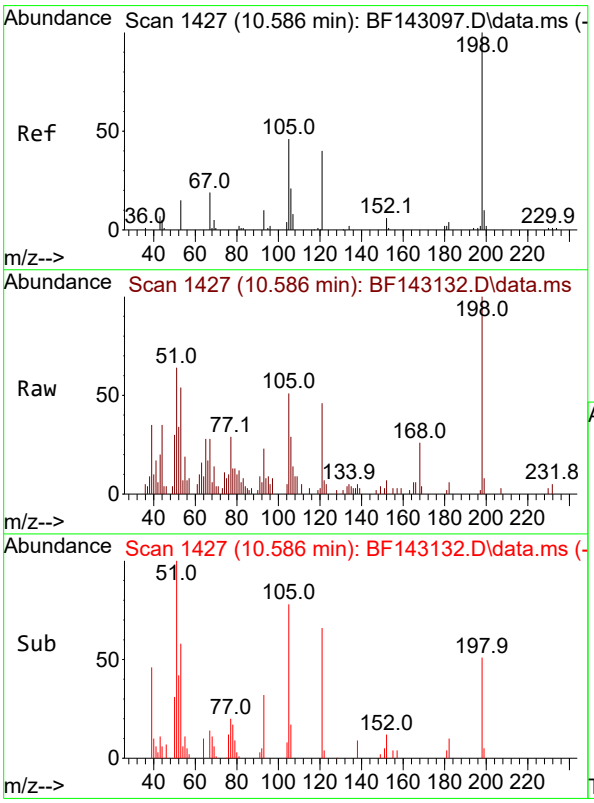
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:188 Resp: 404556

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.6	13.0
80	11.1	9.3	13.9

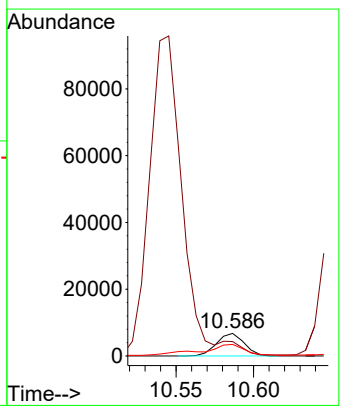


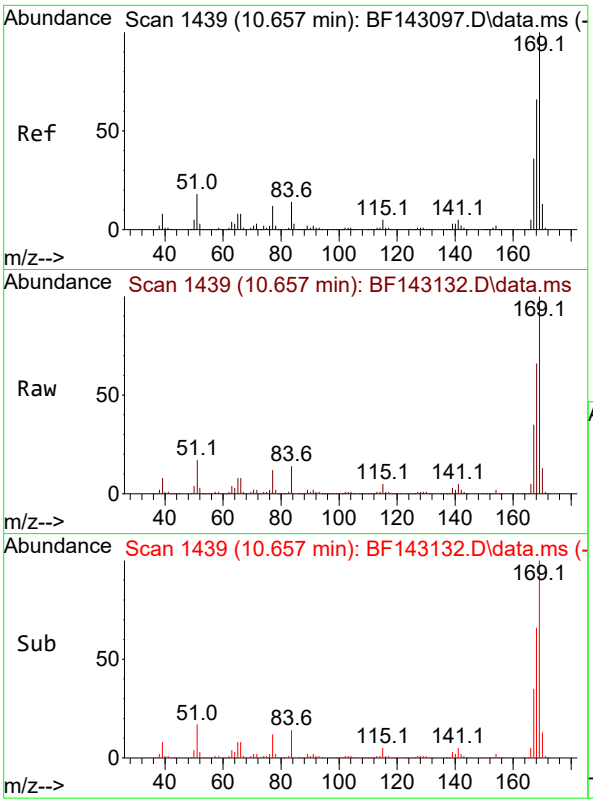


#65
4,6-Dinitro-2-methylphenol
Concen: 11.197 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:198 Resp: 8364

Ion	Ratio	Lower	Upper
198	100		
51	63.8	44.6	84.6
105	51.2	29.3	69.3



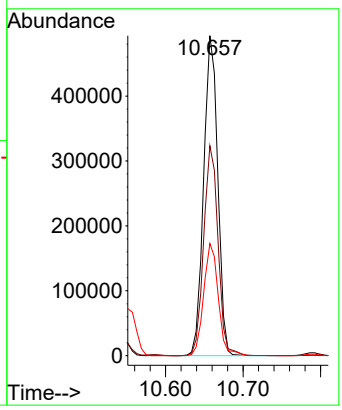


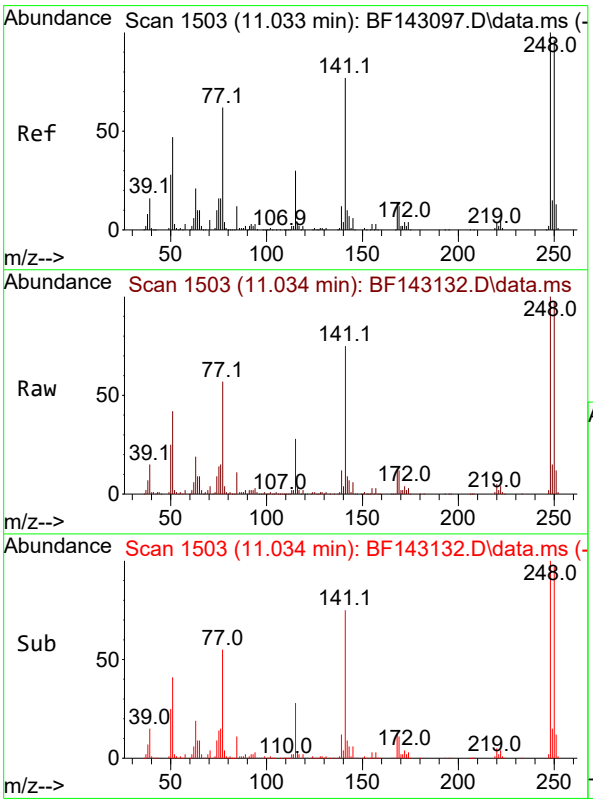
#66
n-Nitrosodiphenylamine
Concen: 43.825 ng
RT: 10.657 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:169 Resp: 622784

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.0	79.6
167	35.1	28.4	42.6

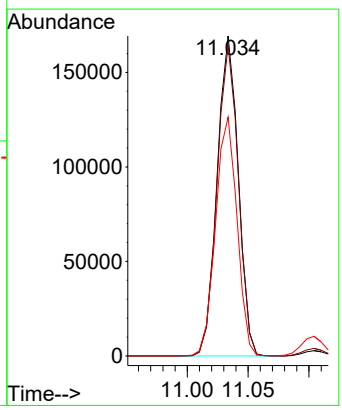


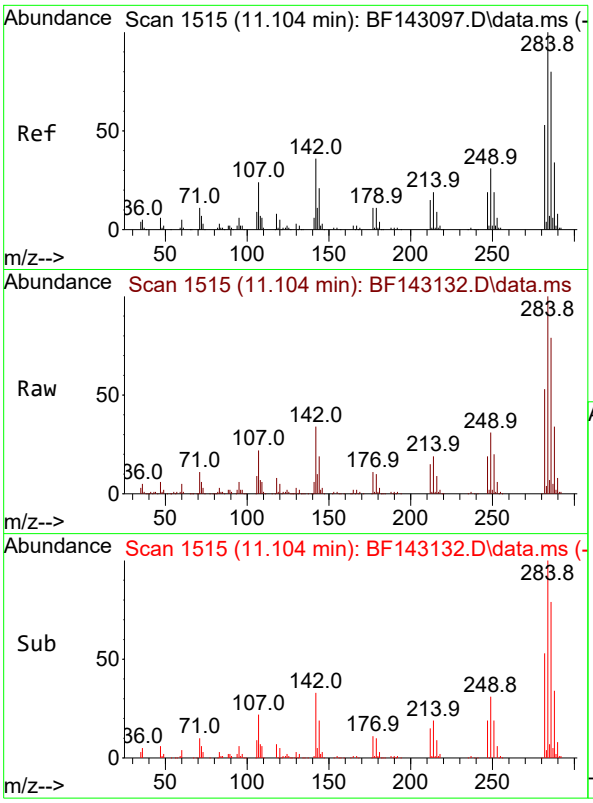


#67
4-Bromophenyl-phenylether
Concen: 44.577 ng
RT: 11.034 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:248 Resp: 205085

Ion	Ratio	Lower	Upper
248	100		
250	97.1	76.7	115.1
141	74.7	61.7	92.5



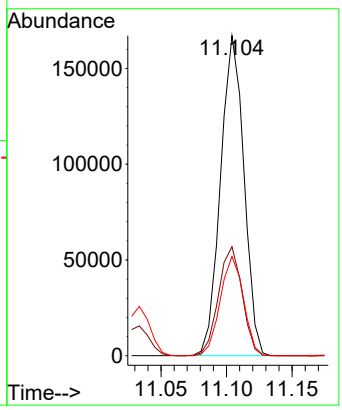


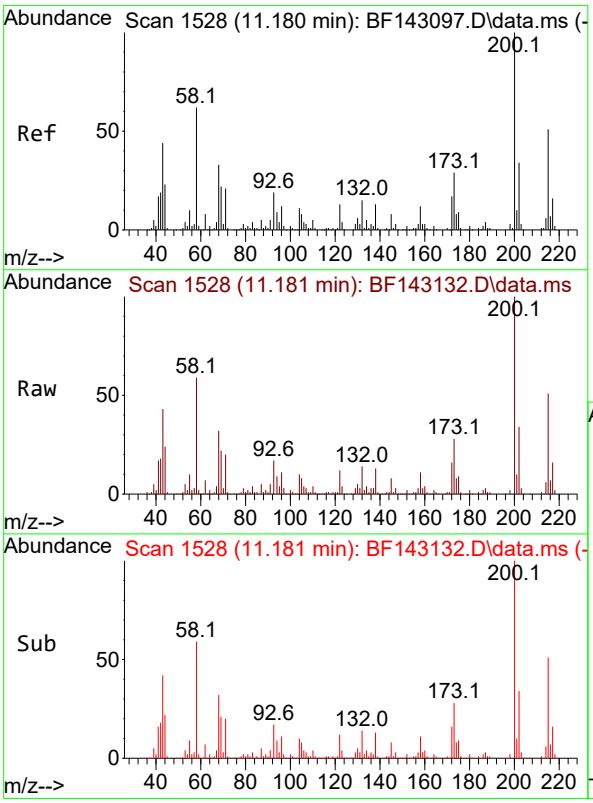
#68
Hexachlorobenzene
Concen: 42.467 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:284 Resp: 207302

Ion	Ratio	Lower	Upper
284	100		
142	34.1	28.9	43.3
249	31.0	24.6	37.0

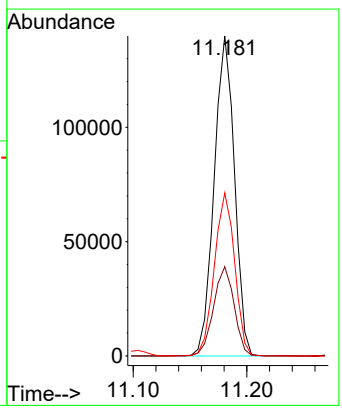


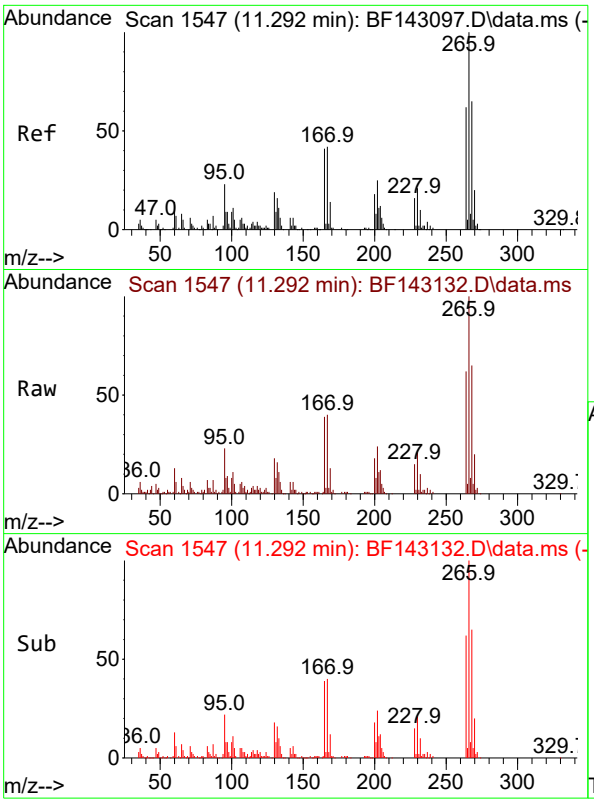


#69
Atrazine
Concen: 47.816 ng
RT: 11.181 min Scan# 1528
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:200 Resp: 173844

Ion	Ratio	Lower	Upper
200	100		
173	27.9	9.1	49.1
215	50.9	31.0	71.0



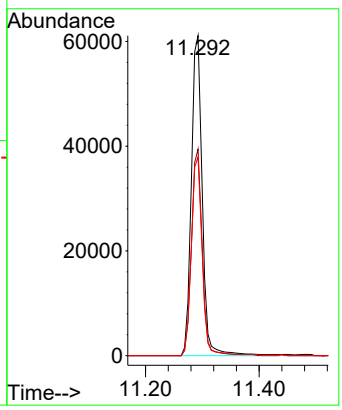


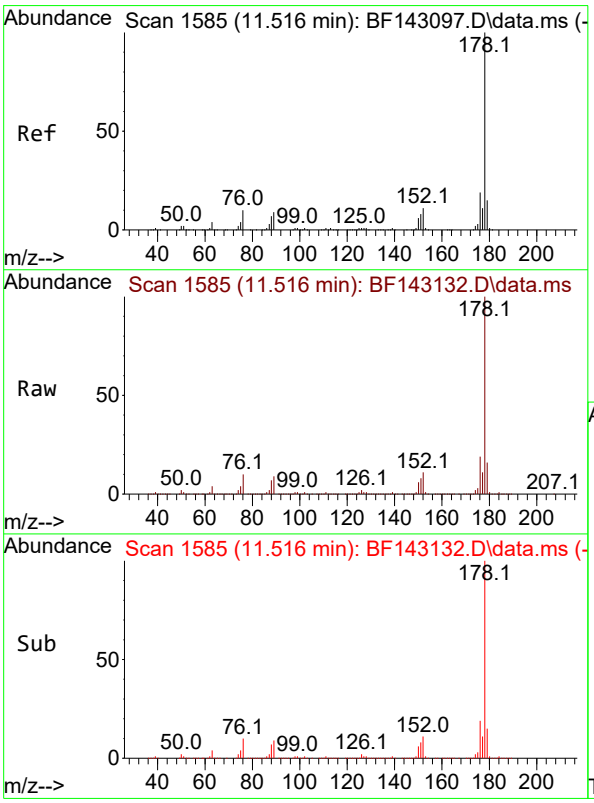
#70
Pentachlorophenol
Concen: 30.644 ng
RT: 11.292 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:266 Resp: 82071

Ion	Ratio	Lower	Upper
266	100		
268	64.6	51.8	77.6
264	62.0	49.7	74.5

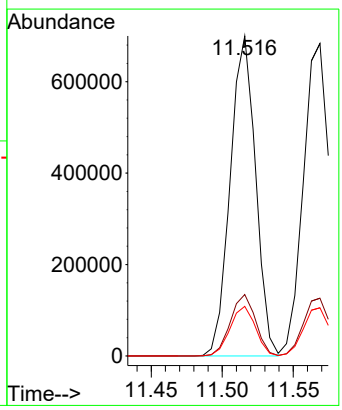


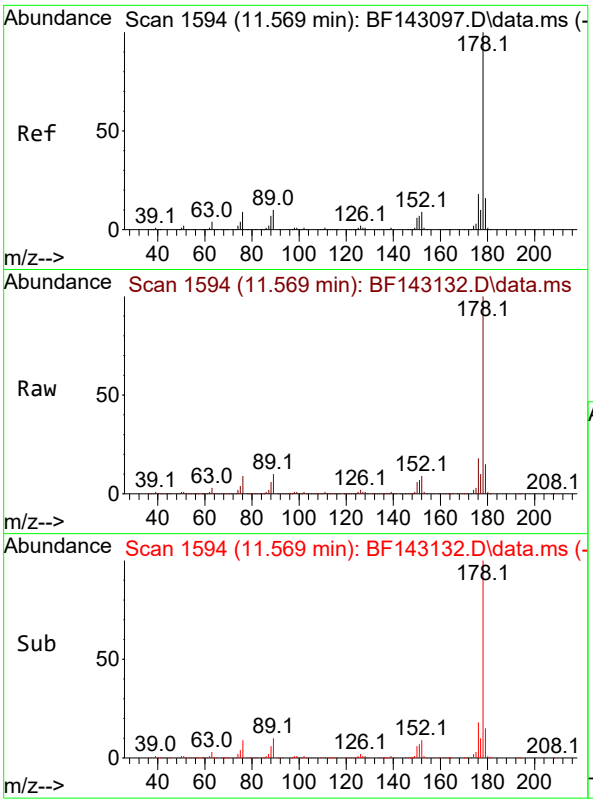


#71
Phenanthrene
Concen: 39.901 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:178 Resp: 871164

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.1	22.7
179	15.5	12.2	18.4



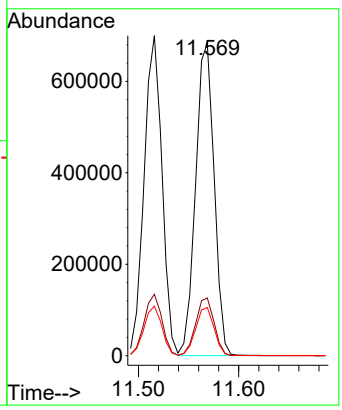


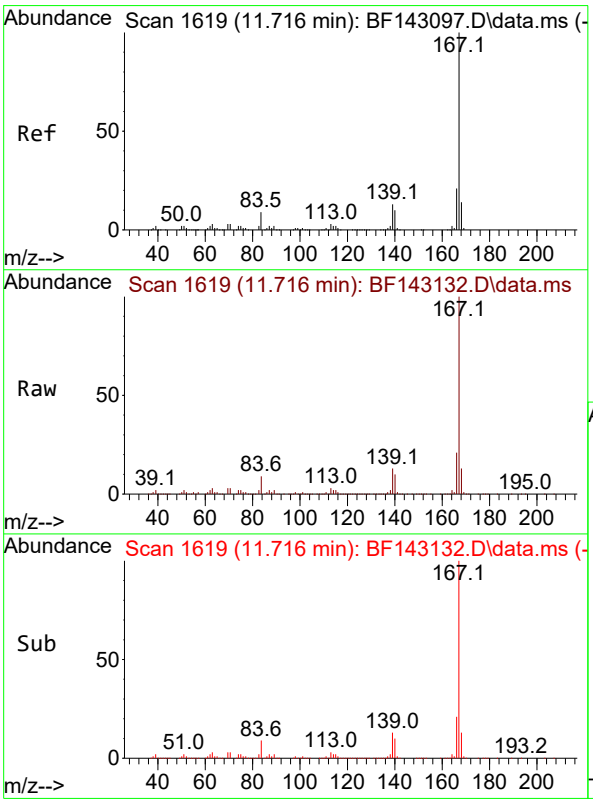
#72
Anthracene
Concen: 40.059 ng
RT: 11.569 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:178 Resp: 879525

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.4	12.4	18.6

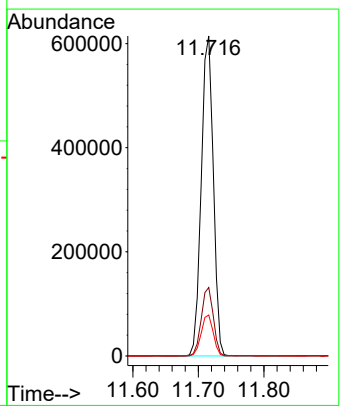


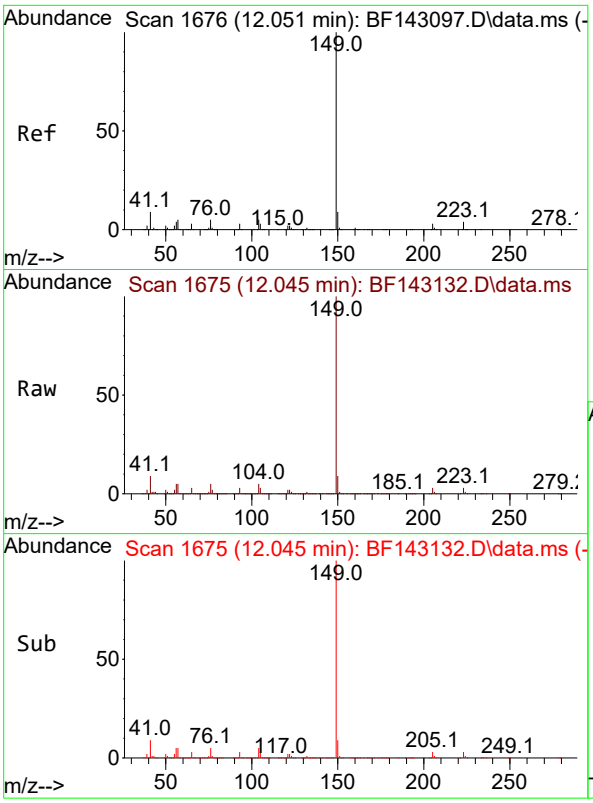


#73
Carbazole
Concen: 40.020 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:167 Resp: 787172

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	12.8	10.2	15.4



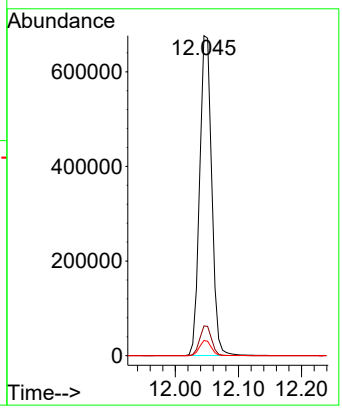


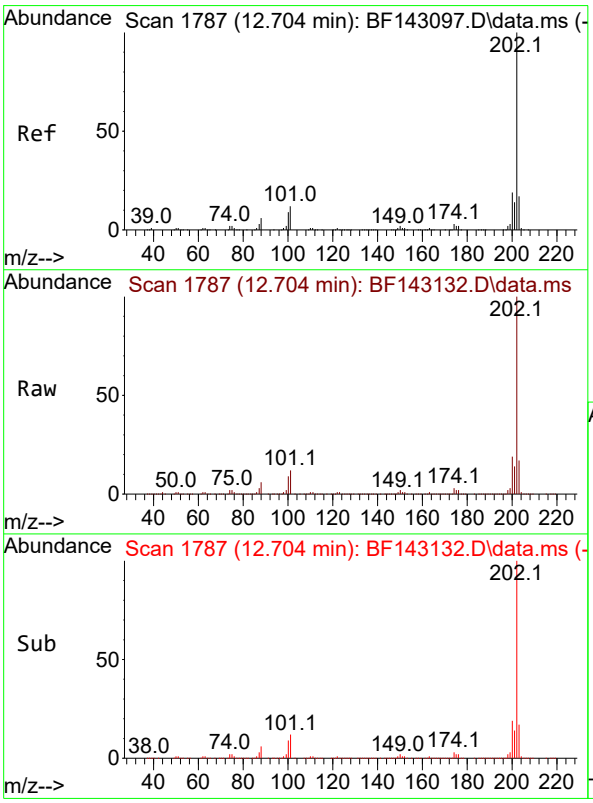
#74
Di-n-butylphthalate
Concen: 49.653 ng
RT: 12.045 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:149 Resp: 896492

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.8	3.8	5.8

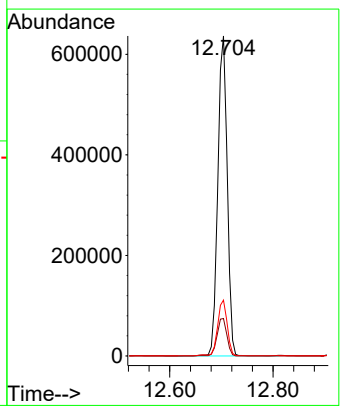


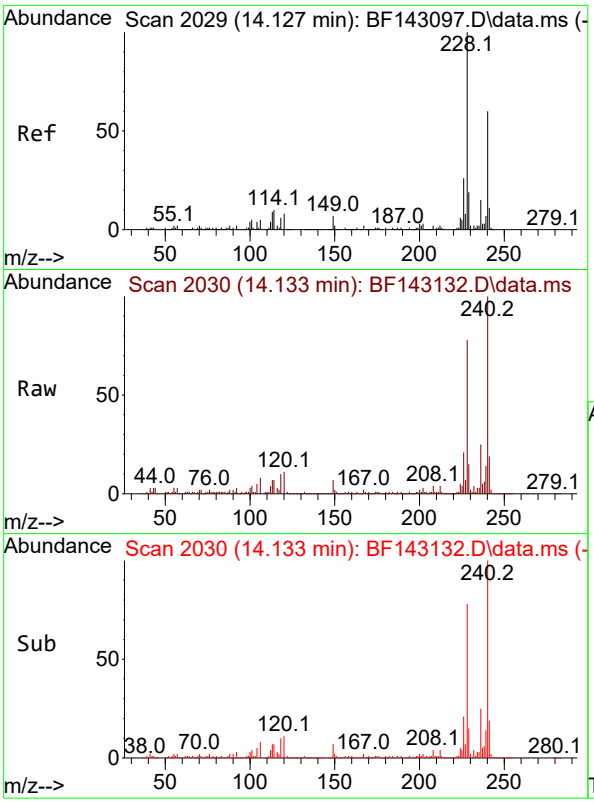


#75
Fluoranthene
Concen: 40.555 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:202 Resp: 805111

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.4
203	17.4	0.0	37.4



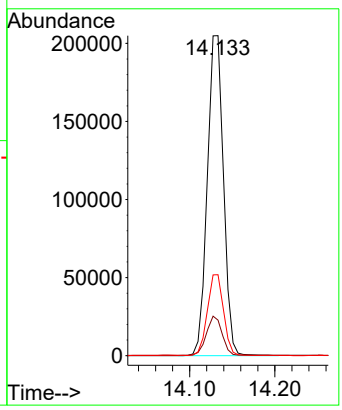


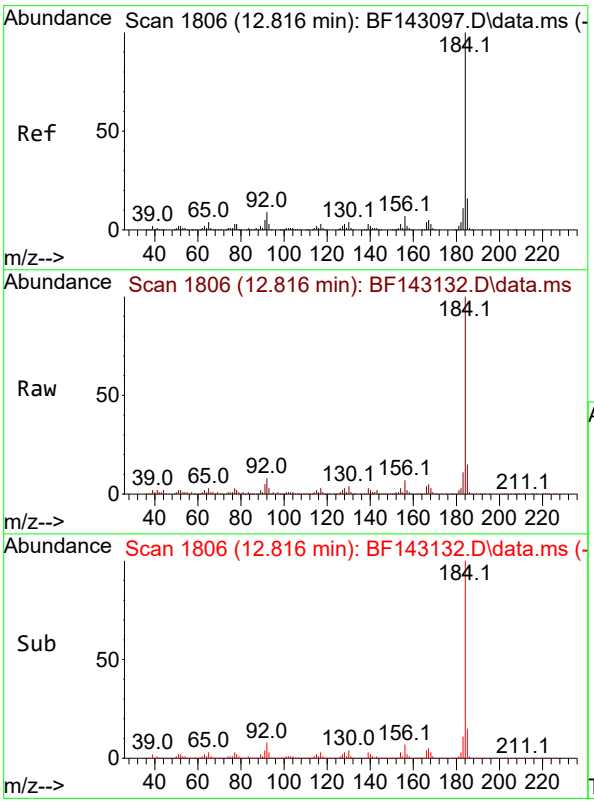
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:240 Resp: 270975

Ion	Ratio	Lower	Upper
240	100		
120	11.1	10.0	15.0
236	25.3	20.0	30.0

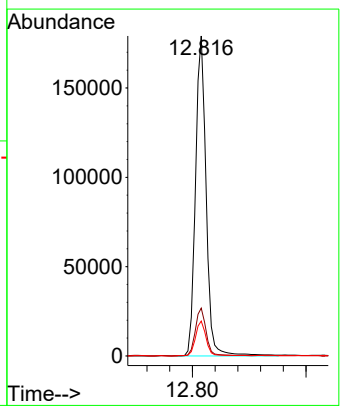


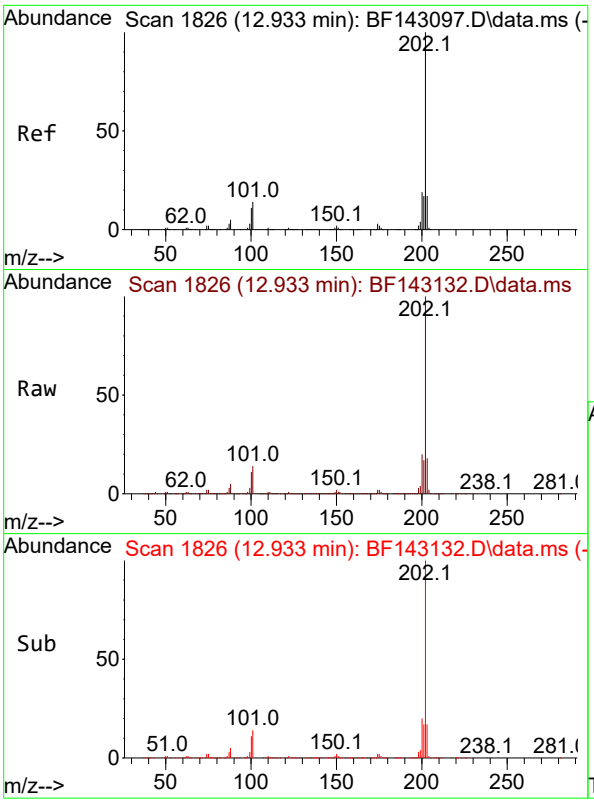


#77
Benzidine
Concen: 25.338 ng
RT: 12.816 min Scan# 1806
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:184 Resp: 233917

Ion	Ratio	Lower	Upper
184	100		
185	15.0	12.4	18.6
183	10.9	8.6	12.8



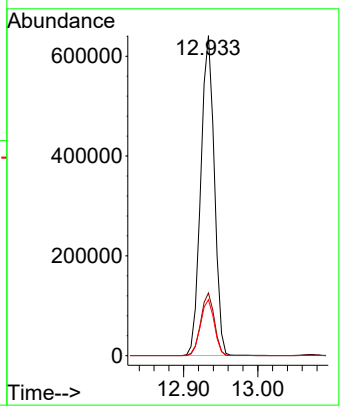


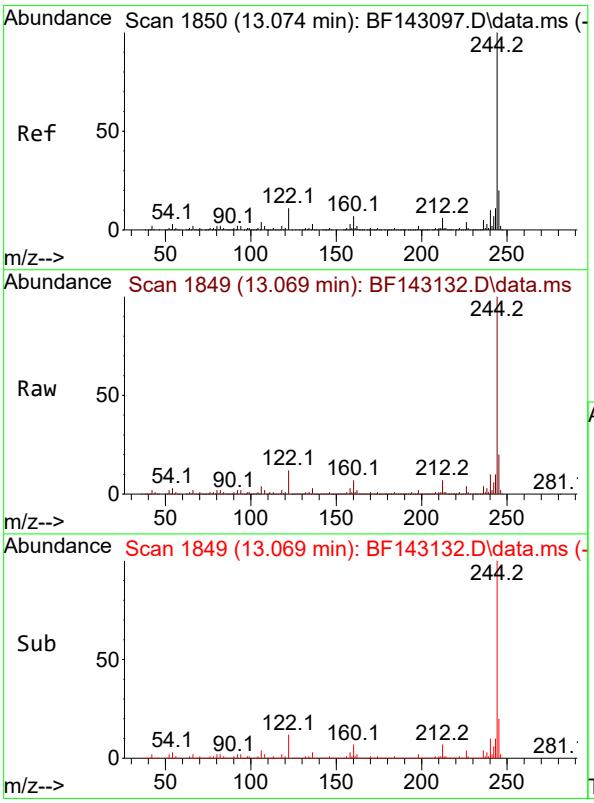
#78
Pyrene
Concen: 32.454 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:202 Resp: 815947

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.5	23.3
203	17.5	14.0	21.0

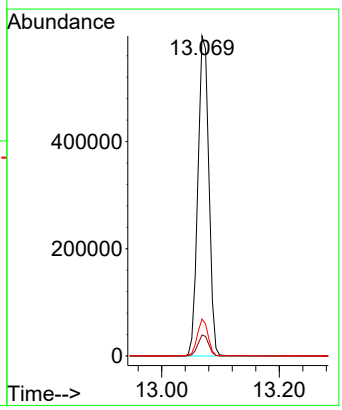


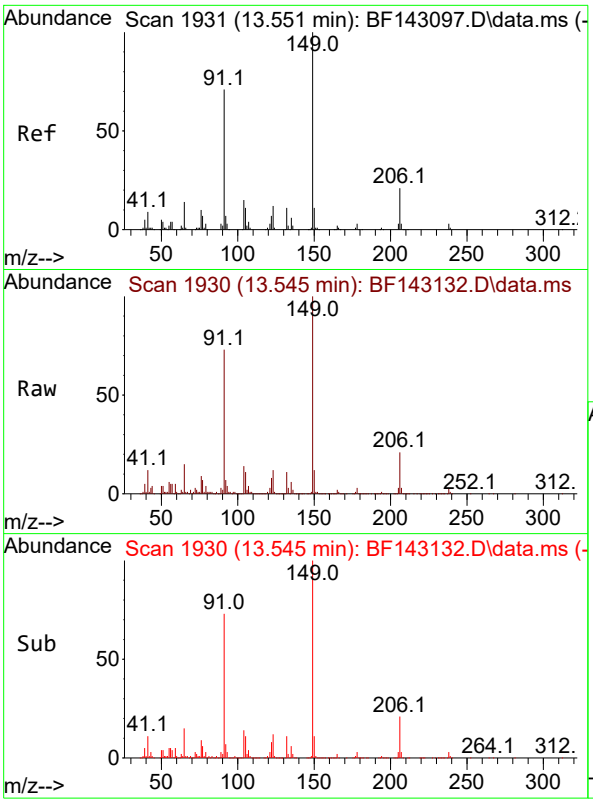


#79
Terphenyl-d14
Concen: 41.632 ng
RT: 13.069 min Scan# 1849
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:244 Resp: 771722

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.5	8.8	13.2



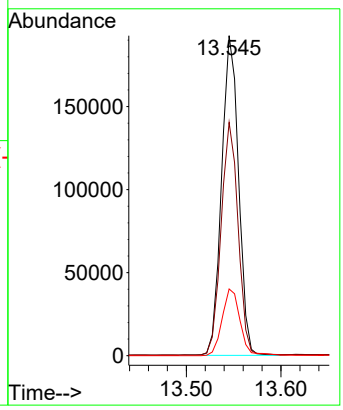


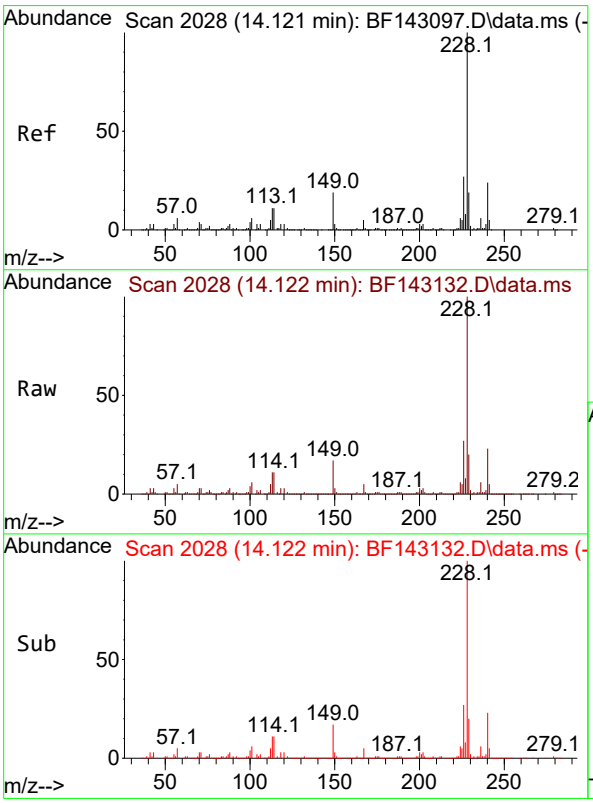
#80
Butylbenzylphthalate
Concen: 47.482 ng
RT: 13.545 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:149 Resp: 239643

Ion	Ratio	Lower	Upper
149	100		
91	72.9	57.0	85.4
206	20.8	17.2	25.8

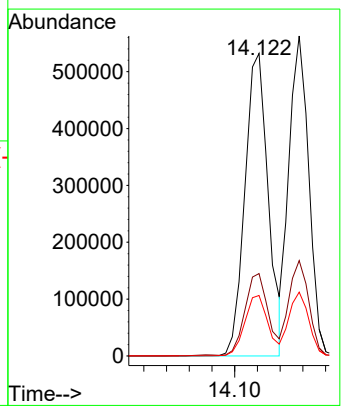


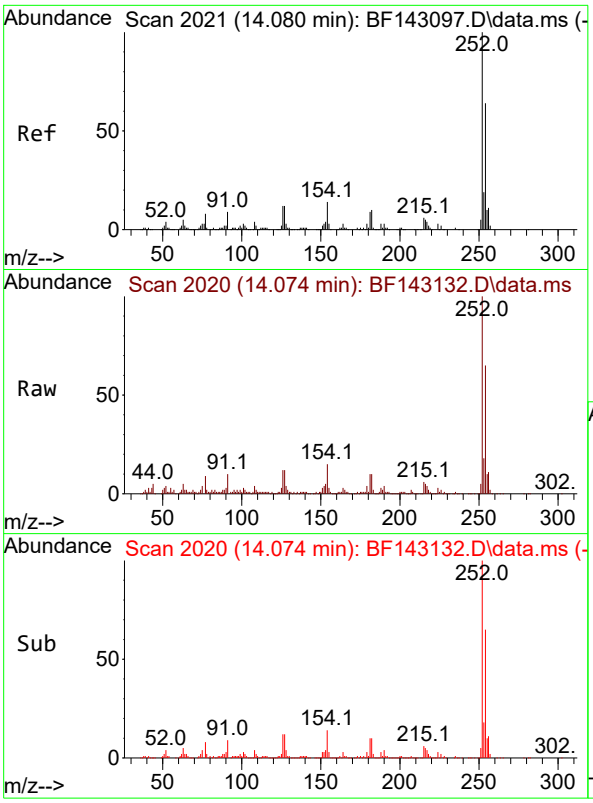


#81
Benzo(a)anthracene
Concen: 42.120 ng
RT: 14.122 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:228 Resp: 760550

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.3	31.9
229	20.0	15.5	23.3



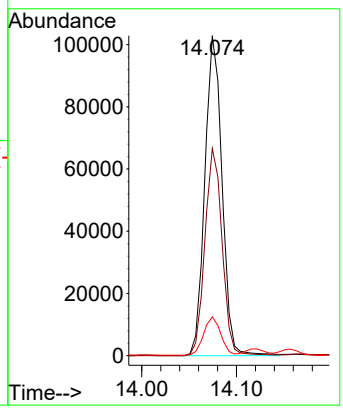


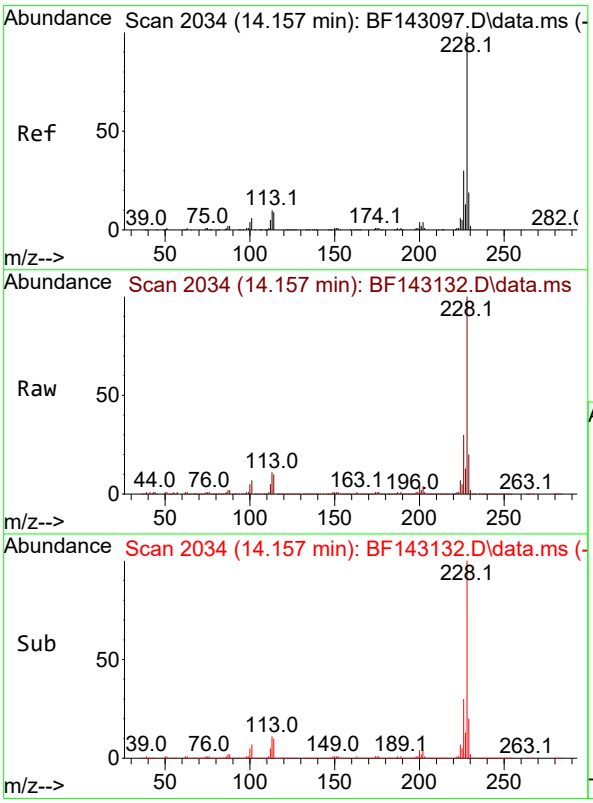
#82
3,3'-Dichlorobenzidine
Concen: 24.777 ng
RT: 14.074 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:252 Resp: 129923

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.5	77.3
126	12.1	9.4	14.0

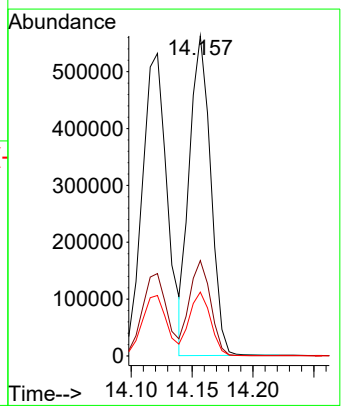


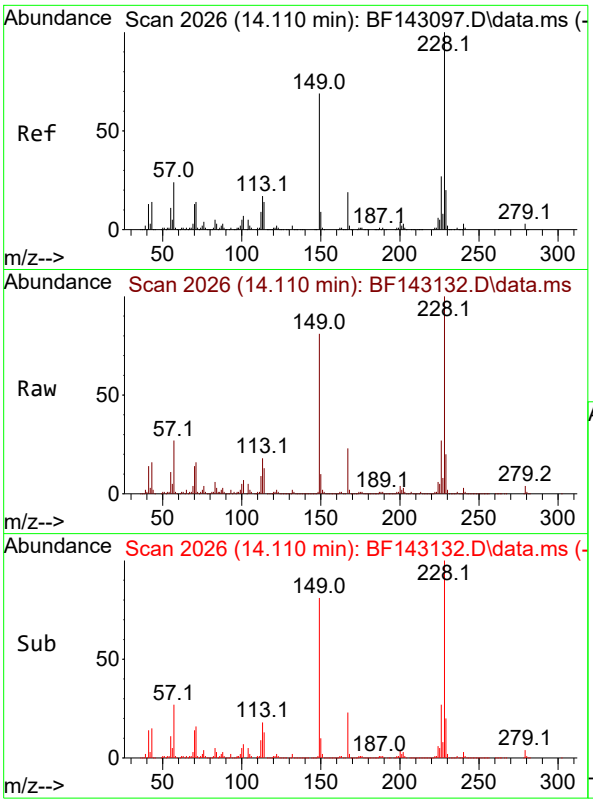


#83
Chrysene
Concen: 40.908 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:228 Resp: 680317

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	20.0	15.3	22.9



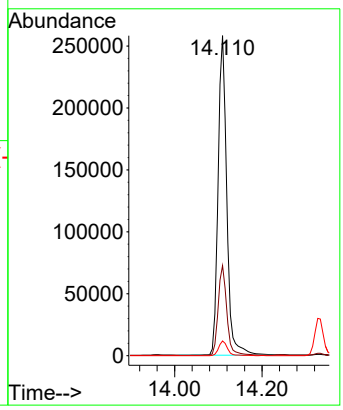


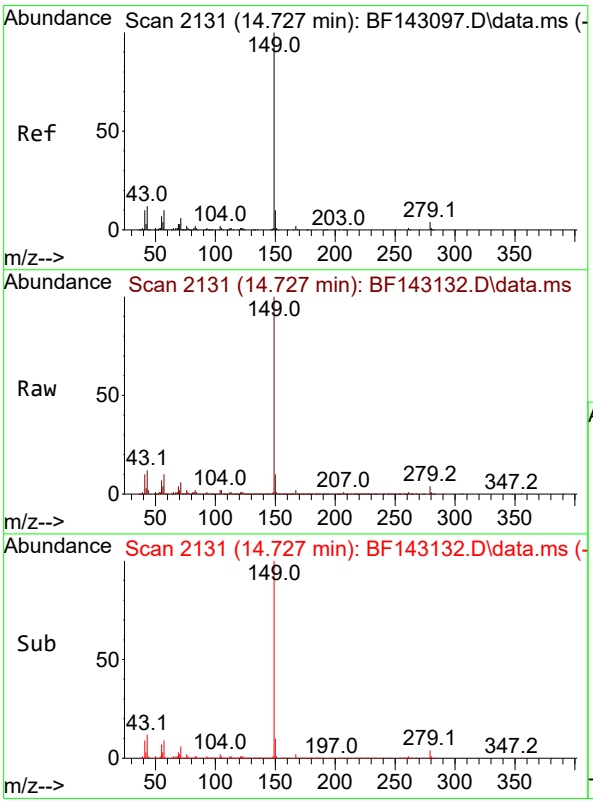
#84
Bis(2-ethylhexyl)phthalate
Concen: 46.724 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:149 Resp: 355208

Ion	Ratio	Lower	Upper
149	100		
167	28.1	21.9	32.9
279	4.6	3.4	5.0

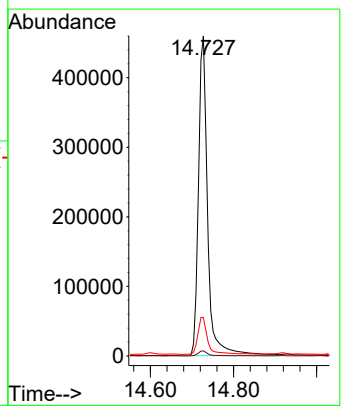


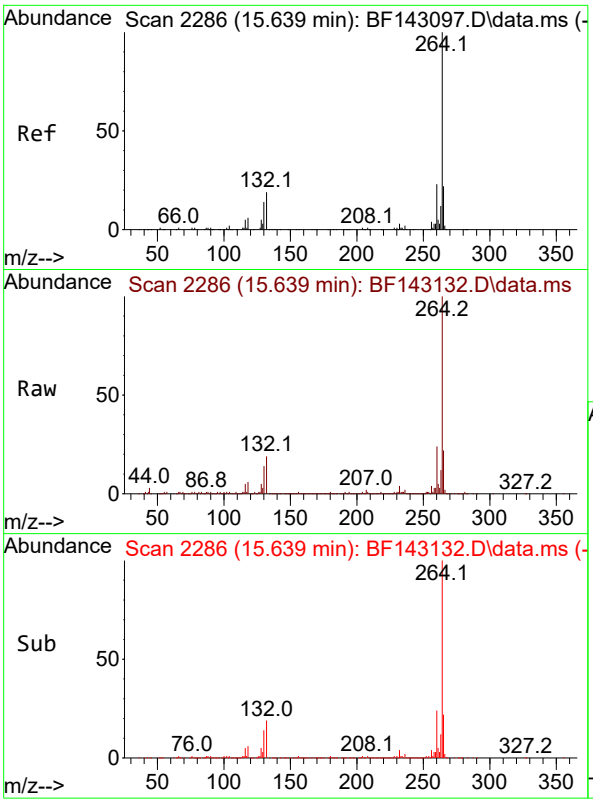


#85
Di-n-octyl phthalate
Concen: 48.873 ng
RT: 14.727 min Scan# 2131
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:149 Resp: 706471

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	12.1	10.6	16.0



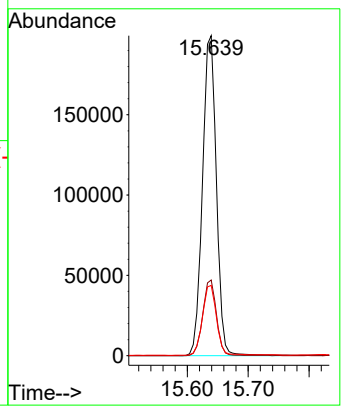


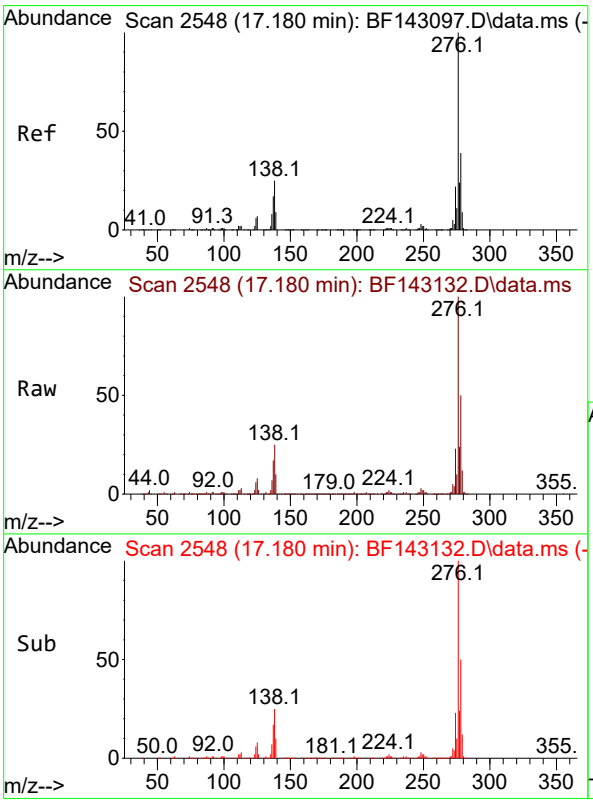
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:264 Resp: 316202

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.5	27.7
265	22.0	17.5	26.3

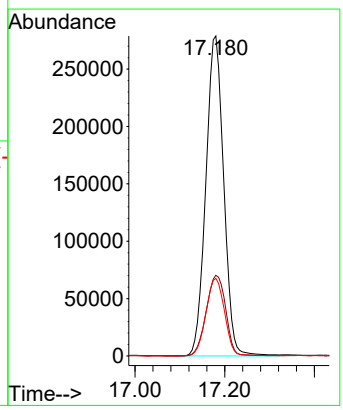


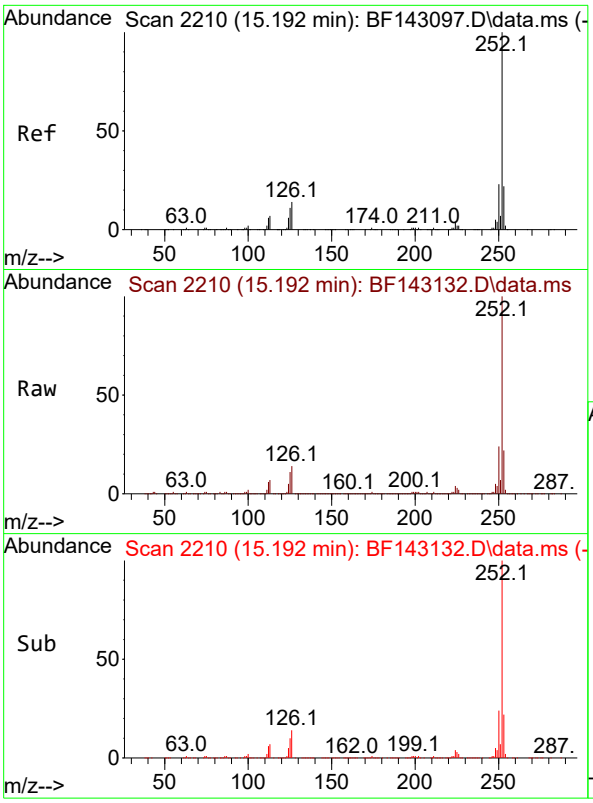


#87
Indeno(1,2,3-cd)pyrene
Concen: 32.821 ng
RT: 17.180 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:276 Resp: 771881

Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.6	34.0
277	25.4	20.2	30.2



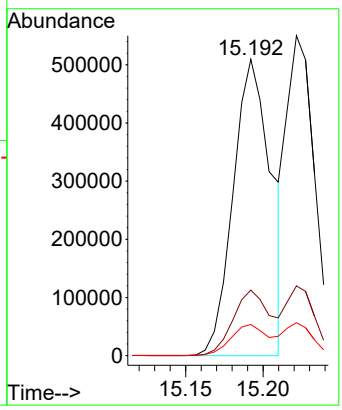


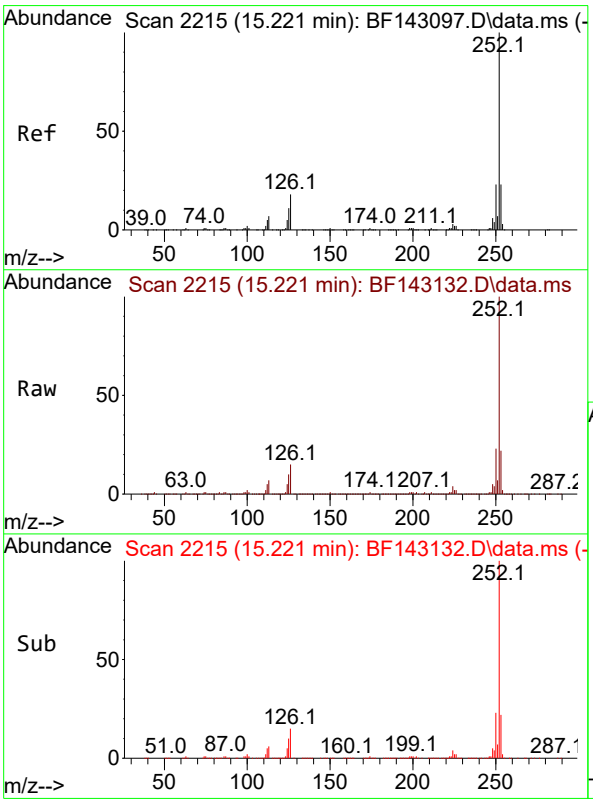
#88
Benzo(b)fluoranthene
Concen: 47.437 ng
RT: 15.192 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:252 Resp: 865209

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.5	8.6	13.0

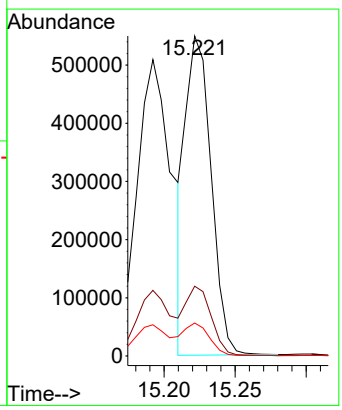


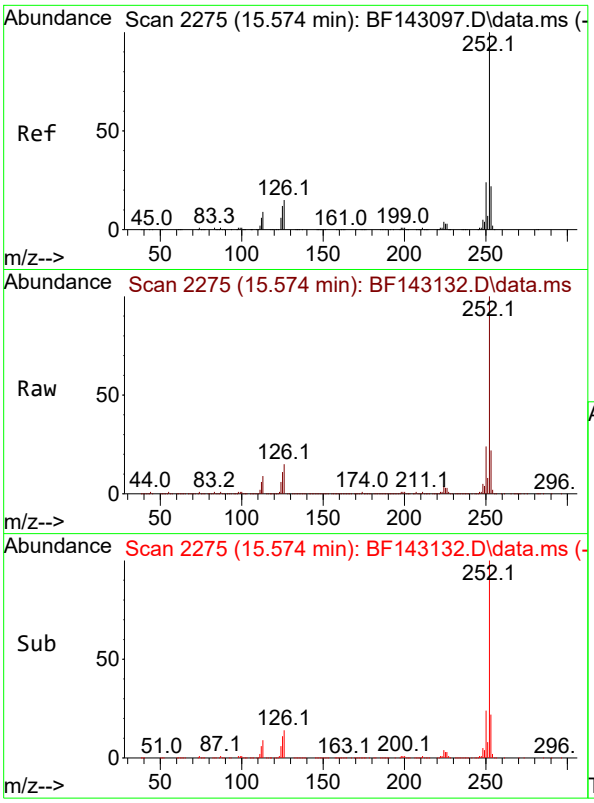


#89
Benzo(k)fluoranthene
Concen: 39.598 ng
RT: 15.221 min Scan# 2215
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:252 Resp: 689026

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.3	8.5	12.7



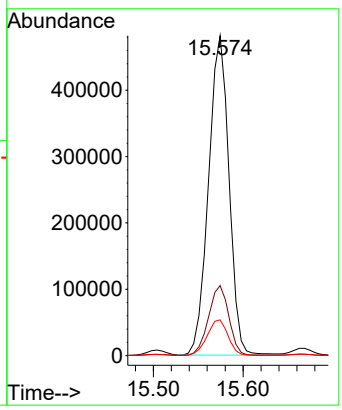


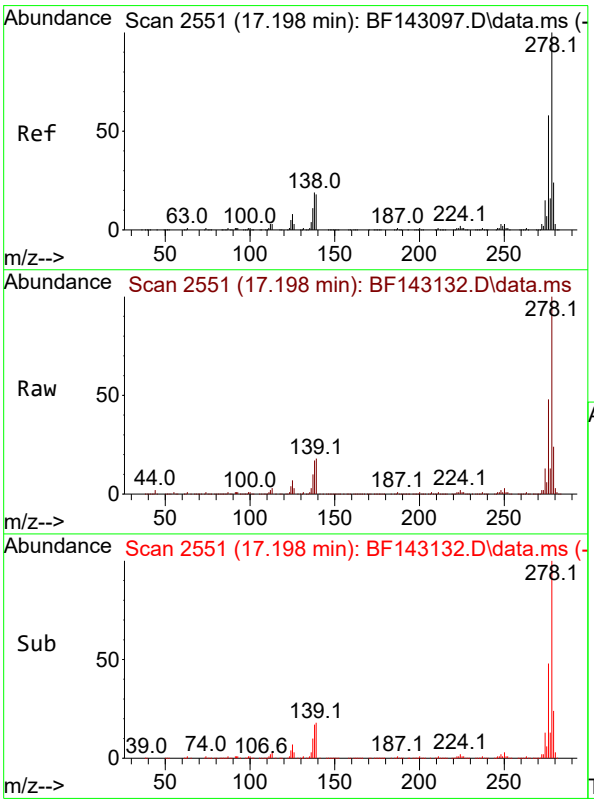
#90
Benzo(a)pyrene
Concen: 44.239 ng
RT: 15.574 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:252 Resp: 763138

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.2	9.4	14.0

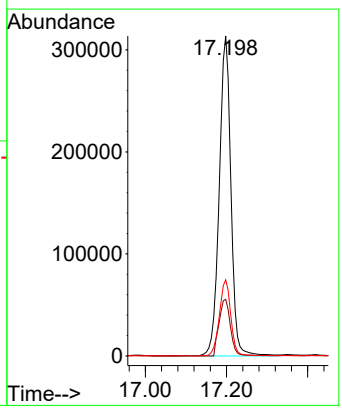


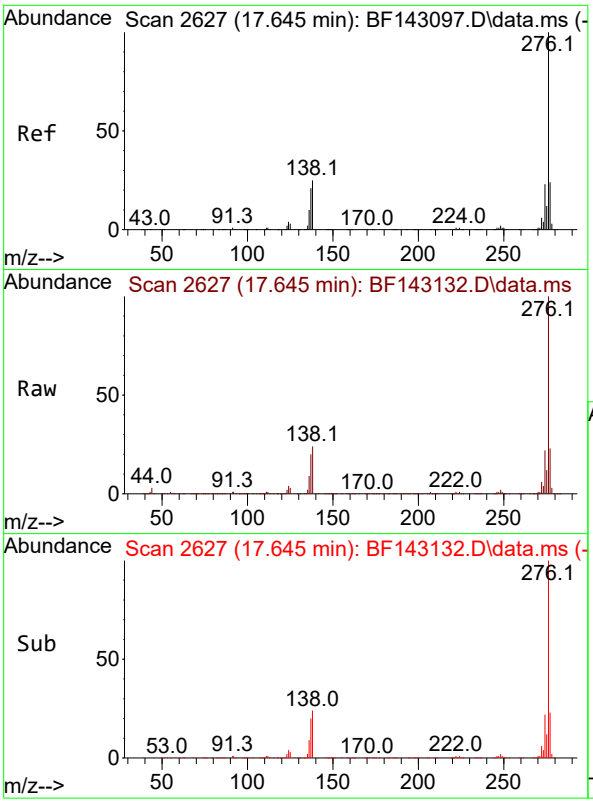


#91
Dibenzo(a,h)anthracene
Concen: 32.739 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Tgt Ion:278 Resp: 629422

Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.6	22.0
279	23.8	18.8	28.2



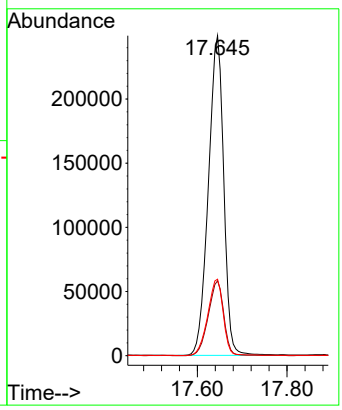


#92
Benzo(g,h,i)perylene
Concen: 30.191 ng
RT: 17.645 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143132.D
Acq: 17 Jul 2025 03:03

Instrument :
BNA_F
ClientSampleId :
TP-17MSD

Tgt Ion:276 Resp: 591750

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.2	28.8
138	23.9	19.8	29.6



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

Manual Integration Report

Sequence:	BF071525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143094.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:26 AM	Jagrut	7/16/2025 1:40:56 PM	Peak Integrated by Software
SSTDICC010	BF143095.D	Benzoic acid	Rahul	7/16/2025 11:43:28 AM	Jagrut	7/16/2025 1:40:58 PM	Peak Integrated by Software
SSTDICC010	BF143095.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:28 AM	Jagrut	7/16/2025 1:40:58 PM	Peak Integrated by Software
SSTDICC020	BF143096.D	Benzoic acid	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDICC020	BF143096.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDICC020	BF143096.D	Phenol	Rahul	7/16/2025 11:43:30 AM	Jagrut	7/16/2025 1:41:01 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Benzoic acid	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICCC040	BF143097.D	Phenol	Rahul	7/16/2025 11:43:33 AM	Jagrut	7/16/2025 1:41:03 PM	Peak Integrated by Software
SSTDICC050	BF143098.D	Phenol	Rahul	7/16/2025 11:43:36 AM	Jagrut	7/16/2025 1:41:06 PM	Peak Integrated by Software
SSTDICC060	BF143099.D	Benzoic acid	Rahul	7/16/2025 11:43:39 AM	Jagrut	7/16/2025 1:41:09 PM	Peak Integrated by Software
SSTDICC060	BF143099.D	Phenol	Rahul	7/16/2025 11:43:39 AM	Jagrut	7/16/2025 1:41:09 PM	Peak Integrated by Software
SSTDICC080	BF143100.D	Phenol	Rahul	7/16/2025 11:43:42 AM	Jagrut	7/16/2025 1:41:12 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF071525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BF143101.D	Benzoic acid	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software
SSTDICV040	BF143101.D	Nitrobenzene-d5	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software
SSTDICV040	BF143101.D	Phenol	Rahul	7/16/2025 11:43:45 AM	Jagrut	7/16/2025 1:41:15 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf071625	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF143115.D	Benzoic acid	Rahul	7/17/2025 10:01:35 AM	Jagrut	7/17/2025 11:19:12 AM	Peak Integrated by Software
Q2555-01	BF143133.D	Benzo(b)fluoranthene	Rahul	7/17/2025 10:01:47 AM	Jagrut	7/17/2025 11:19:25 AM	Peak Integrated by Software
Q2555-03	BF143135.D	Benzo(b)fluoranthene	Rahul	7/17/2025 10:02:12 AM	Jagrut	7/17/2025 11:19:29 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF143141.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:25 AM	Jagrut	7/18/2025 1:30:07 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Benzoic acid	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC010	BF143142.D	Phenol	Rahul	7/18/2025 10:30:28 AM	Jagrut	7/18/2025 1:30:09 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Benzoic acid	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Nitrobenzene-d5	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICC020	BF143143.D	Phenol	Rahul	7/18/2025 10:30:30 AM	Jagrut	7/18/2025 1:30:11 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Benzoic acid	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICCC040	BF143144.D	Phenol	Rahul	7/18/2025 10:30:33 AM	Jagrut	7/18/2025 1:30:14 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Benzoic acid	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC050	BF143145.D	Phenol	Rahul	7/18/2025 10:30:35 AM	Jagrut	7/18/2025 1:30:16 PM	Peak Integrated by Software
SSTDICC060	BF143146.D	Phenol	Rahul	7/18/2025 10:30:38 AM	Jagrut	7/18/2025 1:30:19 PM	Peak Integrated by Software
SSTDICC080	BF143147.D	Benzoic acid	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF071725	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC080	BF143147.D	Phenol	Rahul	7/18/2025 10:30:41 AM	Jagrut	7/18/2025 1:30:22 PM	Peak Integrated by Software
SSTDICV040	BF143148.D	Phenol	Rahul	7/18/2025 10:30:44 AM	Jagrut	7/18/2025 1:30:24 PM	Peak Integrated by Software
SSTDCCC040	BF143157.D	Phenol	Rahul	7/18/2025 10:31:02 AM	Jagrut	7/18/2025 1:30:41 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf072225	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB168813BS	BF143179.D	Caprolactam	Rahul	7/23/2025 8:21:48 AM	Jagrut	7/23/2025 12:30:48 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 # BF071525

Review By	Rahul	Review On	7/16/2025 11:47:09 AM		
Supervise By	Jagrut	Supervise On	7/16/2025 1:41:28 PM		
SubDirectory	BF071525	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143092.D	15 Jul 2025 12:35	RC/JU	Ok
2	SSTDICC2.5	BF143093.D	15 Jul 2025 13:04	RC/JU	Ok
3	SSTDICC005	BF143094.D	15 Jul 2025 13:35	RC/JU	Ok,M
4	SSTDICC010	BF143095.D	15 Jul 2025 14:05	RC/JU	Ok,M
5	SSTDICC020	BF143096.D	15 Jul 2025 14:36	RC/JU	Ok,M
6	SSTDICCC040	BF143097.D	15 Jul 2025 15:05	RC/JU	Ok,M
7	SSTDICC050	BF143098.D	15 Jul 2025 15:35	RC/JU	Ok,M
8	SSTDICC060	BF143099.D	15 Jul 2025 16:05	RC/JU	Ok,M
9	SSTDICC080	BF143100.D	15 Jul 2025 16:35	RC/JU	Ok,M
10	SSTDICV040	BF143101.D	15 Jul 2025 17:27	RC/JU	Ok,M
11	PB168737BL	BF143102.D	15 Jul 2025 17:57	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 # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM				
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM				
SubDirectory	BF071625	HP Acquire Method	BNA_F		HP Processing Method	Bf071525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143103.D	16 Jul 2025 09:06	RC/JU	Ok
2	SSTDCCC040	BF143104.D	16 Jul 2025 10:04	RC/JU	Ok
3	PB168787BL	BF143105.D	16 Jul 2025 10:34	RC/JU	Ok
4	Q2126-02	BF143106.D	16 Jul 2025 11:03	RC/JU	Ok
5	Q2126-02	BF143107.D	16 Jul 2025 11:37	RC/JU	Ok
6	Q2126-08	BF143108.D	16 Jul 2025 12:07	RC/JU	Ok
7	Q2126-08	BF143109.D	16 Jul 2025 12:36	RC/JU	Ok
8	Q2126-01	BF143110.D	16 Jul 2025 13:05	RC/JU	Ok
9	Q2126-01	BF143111.D	16 Jul 2025 13:35	RC/JU	Ok
10	Q2126-07	BF143112.D	16 Jul 2025 14:05	RC/JU	Ok
11	Q2126-07	BF143113.D	16 Jul 2025 14:35	RC/JU	Ok
12	PB168802BL	BF143114.D	16 Jul 2025 15:13	RC/JU	Ok
13	SSTDCCC040	BF143115.D	16 Jul 2025 15:45	RC/JU	Ok,M
14	DFTPP	BF143116.D	16 Jul 2025 19:09	RC/JU	Ok
15	SSTDCCC040	BF143117.D	16 Jul 2025 19:39	RC/JU	Ok
16	PB168854BL	BF143118.D	16 Jul 2025 20:09	RC/JU	Ok
17	PB168854BS	BF143119.D	16 Jul 2025 20:39	RC/JU	Ok,M
18	PB168847TB	BF143120.D	16 Jul 2025 21:09	RC/JU	Ok
19	Q2592-02	BF143121.D	16 Jul 2025 21:39	RC/JU	Ok
20	Q2592-02MS	BF143122.D	16 Jul 2025 22:09	RC/JU	Ok,M
21	Q2592-02MSD	BF143123.D	16 Jul 2025 22:38	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 # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM		
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM		
SubDirectory	BF071625	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2600-02	BF143124.D	16 Jul 2025 23:08	RC/JU	Ok
23	Q2600-06	BF143125.D	16 Jul 2025 23:37	RC/JU	Ok
24	Q2600-10	BF143126.D	17 Jul 2025 00:07	RC/JU	Ok,M
25	Q2614-06	BF143127.D	17 Jul 2025 00:37	RC/JU	Ok
26	Q2605-03	BF143128.D	17 Jul 2025 01:05	RC/JU	Ok
27	Q2605-04	BF143129.D	17 Jul 2025 01:35	RC/JU	Ok
28	Q2571-05	BF143130.D	17 Jul 2025 02:04	RC/JU	Ok
29	Q2571-05MS	BF143131.D	17 Jul 2025 02:34	RC/JU	Ok
30	Q2571-05MSD	BF143132.D	17 Jul 2025 03:03	RC/JU	Ok
31	Q2555-01	BF143133.D	17 Jul 2025 03:32	RC/JU	Ok,M
32	Q2558-01	BF143134.D	17 Jul 2025 04:02	RC/JU	Ok,M
33	Q2555-03	BF143135.D	17 Jul 2025 04:31	RC/JU	Ok,M
34	Q2558-03	BF143136.D	17 Jul 2025 05:00	RC/JU	Ok,M
35	SSTDCCC040	BF143137.D	17 Jul 2025 05:30	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM				
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM				
SubDirectory	BF071725	HP Acquire Method	BNA_F		HP Processing Method	bf071725	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143138.D	17 Jul 2025 09:58	RC/JU	Ok
2	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	RC/JU	Not Ok
3	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04	RC/JU	Ok
4	SSTDICC005	BF143141.D	17 Jul 2025 11:34	RC/JU	Ok,M
5	SSTDICC010	BF143142.D	17 Jul 2025 12:04	RC/JU	Ok,M
6	SSTDICC020	BF143143.D	17 Jul 2025 12:34	RC/JU	Ok,M
7	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	RC/JU	Ok,M
8	SSTDICC050	BF143145.D	17 Jul 2025 13:33	RC/JU	Ok,M
9	SSTDICC060	BF143146.D	17 Jul 2025 14:04	RC/JU	Ok,M
10	SSTDICC080	BF143147.D	17 Jul 2025 14:34	RC/JU	Ok,M
11	SSTDICV040	BF143148.D	17 Jul 2025 15:06	RC/JU	Ok,M
12	PB168813BL	BF143149.D	17 Jul 2025 15:36	RC/JU	Ok
13	Q2126-03	BF143150.D	17 Jul 2025 16:06	RC/JU	Ok,M
14	Q2126-03	BF143151.D	17 Jul 2025 16:36	RC/JU	Ok,M
15	Q2126-09	BF143152.D	17 Jul 2025 17:07	RC/JU	Ok,M
16	Q2126-09	BF143153.D	17 Jul 2025 17:37	RC/JU	Ok,M
17	PB168816BL	BF143154.D	17 Jul 2025 18:07	RC/JU	Ok
18	PB167904BL	BF143155.D	17 Jul 2025 18:37	RC/JU	Ok
19	PB167904BS	BF143156.D	17 Jul 2025 19:07	RC/JU	Ok,M
20	SSTDCCC040	BF143157.D	17 Jul 2025 19:37	RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM				
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM				
SubDirectory	BF072225	HP Acquire Method	BNA_F		HP Processing Method	bf071725	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143176.D	22 Jul 2025 07:48	RC/JU	Ok
2	SSTDCCC040	BF143177.D	22 Jul 2025 08:46	RC/JU	Ok
3	PB168929BL	BF143178.D	22 Jul 2025 09:15	RC/JU	Ok
4	PB168813BS	BF143179.D	22 Jul 2025 09:44	RC/JU	Ok,M
5	Q2635-01MS	BF143180.D	22 Jul 2025 10:26	RC/JU	Ok,M
6	Q2635-01MSD	BF143181.D	22 Jul 2025 10:55	RC/JU	Ok,M
7	Q2638-01	BF143182.D	22 Jul 2025 11:25	RC/JU	Ok,M
8	Q2638-03	BF143183.D	22 Jul 2025 11:54	RC/JU	Ok,M
9	Q2638-05	BF143184.D	22 Jul 2025 12:23	RC/JU	Ok,M
10	Q2638-07	BF143185.D	22 Jul 2025 12:52	RC/JU	ReRun
11	Q2638-09	BF143186.D	22 Jul 2025 13:21	RC/JU	Ok,M
12	SSTDCCC040	BF143187.D	22 Jul 2025 13:55	RC/JU	Ok
13	DFTPP	BF143188.D	22 Jul 2025 14:54	RC/JU	Ok
14	SSTDCCC040	BF143189.D	22 Jul 2025 15:23	RC/JU	Ok
15	PB168954BL	BF143190.D	22 Jul 2025 15:52	RC/JU	Ok
16	Q2641-02	BF143191.D	22 Jul 2025 16:26	RC/JU	Ok
17	Q2649-04	BF143192.D	22 Jul 2025 16:55	RC/JU	Ok,M
18	Q2649-08	BF143193.D	22 Jul 2025 17:25	RC/JU	Ok
19	Q2649-12	BF143194.D	22 Jul 2025 17:54	RC/JU	Ok
20	Q2649-16	BF143195.D	22 Jul 2025 18:23	RC/JU	Ok
21	Q2649-20	BF143196.D	22 Jul 2025 18:53	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 # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2649-24	BF143197.D	22 Jul 2025 19:22	RC/JU	Ok
23	Q2646-03	BF143198.D	22 Jul 2025 19:51	RC/JU	Ok
24	Q2646-03MS	BF143199.D	22 Jul 2025 20:20	RC/JU	Ok,M
25	Q2646-03MSD	BF143200.D	22 Jul 2025 20:49	RC/JU	Ok,M
26	Q2649-21	BF143201.D	22 Jul 2025 21:18	RC/JU	Ok
27	Q2649-13	BF143202.D	22 Jul 2025 21:48	RC/JU	Ok
28	Q2658-02	BF143203.D	22 Jul 2025 22:17	RC/JU	Ok
29	Q2658-01	BF143204.D	22 Jul 2025 22:46	RC/JU	Ok,M
30	Q2660-01	BF143205.D	22 Jul 2025 23:15	RC/JU	Ok
31	Q2649-17	BF143206.D	22 Jul 2025 23:43	RC/JU	Ok,M
32	Q2649-01	BF143207.D	23 Jul 2025 00:12	RC/JU	Ok,M
33	Q2660-03	BF143208.D	23 Jul 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 # BF071525

Review By	Rahul	Review On	7/16/2025 11:47:09 AM		
Supervise By	Jagrut	Supervise On	7/16/2025 1:41:28 PM		
SubDirectory	BF071525	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143092.D	15 Jul 2025 12:35		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF143093.D	15 Jul 2025 13:04		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF143094.D	15 Jul 2025 13:35		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF143095.D	15 Jul 2025 14:05		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF143096.D	15 Jul 2025 14:36	Compound#26,32,48,51,57,80,84,85 Kept on LR	RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF143097.D	15 Jul 2025 15:05	Compound#54,65 Kept on QR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF143098.D	15 Jul 2025 15:35		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF143099.D	15 Jul 2025 16:05		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF143100.D	15 Jul 2025 16:35		RC/JU	Ok,M
10	SSTDICV040	ICVBF071525	BF143101.D	15 Jul 2025 17:27		RC/JU	Ok,M
11	PB168737BL	PB168737BL	BF143102.D	15 Jul 2025 17:57		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 # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM		
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM		
SubDirectory	BF071625	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143103.D	16 Jul 2025 09:06		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143104.D	16 Jul 2025 10:04		RC/JU	Ok
3	PB168787BL	PB168787BL	BF143105.D	16 Jul 2025 10:34		RC/JU	Ok
4	Q2126-02	LOQ-SOIL-02-QT2-202	BF143106.D	16 Jul 2025 11:03	LOQ-SOIL-5 PPM	RC/JU	Ok
5	Q2126-02	LOQ-SOIL-02-QT2-202	BF143107.D	16 Jul 2025 11:37	LOQ-SOIL-10 PPM	RC/JU	Ok
6	Q2126-08	LOQ-WATER-02-QT2-2	BF143108.D	16 Jul 2025 12:07	LOQ-WATER-5 PPM	RC/JU	Ok
7	Q2126-08	LOQ-WATER-02-QT2-2	BF143109.D	16 Jul 2025 12:36	LOQ-WATER-10 PPM	RC/JU	Ok
8	Q2126-01	LOD-MDL-SOIL-03-QT	BF143110.D	16 Jul 2025 13:05	LOD-MDL-SOIL-4 PPM	RC/JU	Ok
9	Q2126-01	LOD-MDL-SOIL-03-QT	BF143111.D	16 Jul 2025 13:35	LOD-MDL-SOIL-8 PPM	RC/JU	Ok
10	Q2126-07	LOD-MDL-WATER-01-(	BF143112.D	16 Jul 2025 14:05	LOD-MDL-WATER-4 PPM	RC/JU	Ok
11	Q2126-07	LOD-MDL-WATER-01-(	BF143113.D	16 Jul 2025 14:35	LOD-MDL-WATER-8 PPM	RC/JU	Ok
12	PB168802BL	PB168802BL	BF143114.D	16 Jul 2025 15:13		RC/JU	Ok
13	SSTDCCC040	SSTDCCC040EC	BF143115.D	16 Jul 2025 15:45		RC/JU	Ok,M
14	DFTPP	DFTPP	BF143116.D	16 Jul 2025 19:09		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF143117.D	16 Jul 2025 19:39		RC/JU	Ok
16	PB168854BL	PB168854BL	BF143118.D	16 Jul 2025 20:09		RC/JU	Ok
17	PB168854BS	PB168854BS	BF143119.D	16 Jul 2025 20:39		RC/JU	Ok,M
18	PB168847TB	PB168847TB	BF143120.D	16 Jul 2025 21:09		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 # BF071625

Review By	Rahul	Review On	7/17/2025 11:19:37 AM		
Supervise By	Jagrut	Supervise On	7/17/2025 11:19:59 AM		
SubDirectory	BF071625	HP Acquire Method	BNA_F	HP Processing Method	Bf071525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2592-02	WC-SOIL-20250711	BF143121.D	16 Jul 2025 21:39		RC/JU	Ok
20	Q2592-02MS	WC-SOIL-20250711MS	BF143122.D	16 Jul 2025 22:09		RC/JU	Ok,M
21	Q2592-02MSD	WC-SOIL-20250711MS	BF143123.D	16 Jul 2025 22:38		RC/JU	Ok,M
22	Q2600-02	TRENCH	BF143124.D	16 Jul 2025 23:08		RC/JU	Ok
23	Q2600-06	STOCK-PILE	BF143125.D	16 Jul 2025 23:37		RC/JU	Ok
24	Q2600-10	END-OF-TRENCH	BF143126.D	17 Jul 2025 00:07		RC/JU	Ok,M
25	Q2614-06	HR-MCN-COMP-01	BF143127.D	17 Jul 2025 00:37		RC/JU	Ok
26	Q2605-03	VB15061	BF143128.D	17 Jul 2025 01:05		RC/JU	Ok
27	Q2605-04	V897	BF143129.D	17 Jul 2025 01:35		RC/JU	Ok
28	Q2571-05	TP-17	BF143130.D	17 Jul 2025 02:04		RC/JU	Ok
29	Q2571-05MS	TP-17MS	BF143131.D	17 Jul 2025 02:34		RC/JU	Ok
30	Q2571-05MSD	TP-17MSD	BF143132.D	17 Jul 2025 03:03		RC/JU	Ok
31	Q2555-01	OU4-TS-29-070925	BF143133.D	17 Jul 2025 03:32		RC/JU	Ok,M
32	Q2558-01	OU4-TS-Denali-070925	BF143134.D	17 Jul 2025 04:02		RC/JU	Ok,M
33	Q2555-03	OU4-TS-30-070925	BF143135.D	17 Jul 2025 04:31		RC/JU	Ok,M
34	Q2558-03	OU4-TS-Grillo-OG-070	BF143136.D	17 Jul 2025 05:00		RC/JU	Ok,M
35	SSTDCCC040	SSTDCCC040EC	BF143137.D	17 Jul 2025 05:30		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143138.D	17 Jul 2025 09:58		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143139.D	17 Jul 2025 10:28	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC2.5	SSTDICC2.5	BF143140.D	17 Jul 2025 11:04		RC/JU	Ok
4	SSTDICC005	SSTDICC005	BF143141.D	17 Jul 2025 11:34		RC/JU	Ok,M
5	SSTDICC010	SSTDICC010	BF143142.D	17 Jul 2025 12:04		RC/JU	Ok,M
6	SSTDICC020	SSTDICC020	BF143143.D	17 Jul 2025 12:34		RC/JU	Ok,M
7	SSTDICCC040	SSTDICCC040	BF143144.D	17 Jul 2025 13:03	Compound #32,54,65 Kept on LR	RC/JU	Ok,M
8	SSTDICC050	SSTDICC050	BF143145.D	17 Jul 2025 13:33		RC/JU	Ok,M
9	SSTDICC060	SSTDICC060	BF143146.D	17 Jul 2025 14:04		RC/JU	Ok,M
10	SSTDICC080	SSTDICC080	BF143147.D	17 Jul 2025 14:34	Compound#77 removed from 80 ppm	RC/JU	Ok,M
11	SSTDICV040	ICVBF071725	BF143148.D	17 Jul 2025 15:06		RC/JU	Ok,M
12	PB168813BL	PB168813BL	BF143149.D	17 Jul 2025 15:36		RC/JU	Ok
13	Q2126-03	MDL-SOIL-03-QT2-202	BF143150.D	17 Jul 2025 16:06	MDL-SOIL 4 ppm	RC/JU	Ok,M
14	Q2126-03	MDL-SOIL-03-QT2-202	BF143151.D	17 Jul 2025 16:36	MDL-SOIL 8 ppm	RC/JU	Ok,M
15	Q2126-09	MDL-WATER-03-QT2-2	BF143152.D	17 Jul 2025 17:07	MDL-WATER 4 ppm	RC/JU	Ok,M
16	Q2126-09	MDL-WATER-03-QT2-2	BF143153.D	17 Jul 2025 17:37	MDL-WATER 8 ppm	RC/JU	Ok,M
17	PB168816BL	PB168816BL	BF143154.D	17 Jul 2025 18:07		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 # BF071725

Review By	Rahul	Review On	7/18/2025 11:02:11 AM		
Supervise By	Jagrut	Supervise On	7/18/2025 1:30:54 PM		
SubDirectory	BF071725	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S12674,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	PB167904BL	PB167904BL	BF143155.D	17 Jul 2025 18:37		RC/JU	Ok
19	PB167904BS	PB167904BS	BF143156.D	17 Jul 2025 19:07		RC/JU	Ok,M
20	SSTDCCC040	SSTDCCC040EC	BF143157.D	17 Jul 2025 19:37		RC/JU	Ok,M

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF143176.D	22 Jul 2025 07:48		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143177.D	22 Jul 2025 08:46		RC/JU	Ok
3	PB168929BL	PB168929BL	BF143178.D	22 Jul 2025 09:15		RC/JU	Ok
4	PB168813BS	PB168813BS	BF143179.D	22 Jul 2025 09:44		RC/JU	Ok,M
5	Q2635-01MS	RT2286MS	BF143180.D	22 Jul 2025 10:26		RC/JU	Ok,M
6	Q2635-01MSD	RT2286MSD	BF143181.D	22 Jul 2025 10:55		RC/JU	Ok,M
7	Q2638-01	OU4-TS-31-071725	BF143182.D	22 Jul 2025 11:25		RC/JU	Ok,M
8	Q2638-03	OU4-TS-32-071725	BF143183.D	22 Jul 2025 11:54		RC/JU	Ok,M
9	Q2638-05	OU4-TS-33-071725	BF143184.D	22 Jul 2025 12:23		RC/JU	Ok,M
10	Q2638-07	OU4-TS-34-071725	BF143185.D	22 Jul 2025 12:52	Surrogate Fail	RC/JU	ReRun
11	Q2638-09	OU4-TS-35-071725	BF143186.D	22 Jul 2025 13:21		RC/JU	Ok,M
12	SSTDCCC040	SSTDCCC040EC	BF143187.D	22 Jul 2025 13:55		RC/JU	Ok
13	DFTPP	DFTPP	BF143188.D	22 Jul 2025 14:54		RC/JU	Ok
14	SSTDCCC040	SSTDCCC040	BF143189.D	22 Jul 2025 15:23		RC/JU	Ok
15	PB168954BL	PB168954BL	BF143190.D	22 Jul 2025 15:52		RC/JU	Ok
16	Q2641-02	P001-CONCRETE001-	BF143191.D	22 Jul 2025 16:26		RC/JU	Ok
17	Q2649-04	WC-1	BF143192.D	22 Jul 2025 16:55		RC/JU	Ok,M
18	Q2649-08	WC-2	BF143193.D	22 Jul 2025 17:25		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 # BF072225

Review By	Rahul	Review On	7/23/2025 8:23:11 AM		
Supervise By	Jagrut	Supervise On	7/23/2025 1:06:52 PM		
SubDirectory	BF072225	HP Acquire Method	BNA_F	HP Processing Method	bf071725

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840
CCC	SP6836
Internal Standard/PEM	S13168,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2649-12	WC-3	BF143194.D	22 Jul 2025 17:54		RC/JU	Ok
20	Q2649-16	WC-4	BF143195.D	22 Jul 2025 18:23		RC/JU	Ok
21	Q2649-20	WC-5	BF143196.D	22 Jul 2025 18:53		RC/JU	Ok
22	Q2649-24	WC-6	BF143197.D	22 Jul 2025 19:22		RC/JU	Ok
23	Q2646-03	FRAC TANK	BF143198.D	22 Jul 2025 19:51	Internal standard fail.	RC/JU	Ok
24	Q2646-03MS	FRAC TANKMS	BF143199.D	22 Jul 2025 20:20		RC/JU	Ok,M
25	Q2646-03MSD	FRAC TANKMSD	BF143200.D	22 Jul 2025 20:49		RC/JU	Ok,M
26	Q2649-21	WC-6	BF143201.D	22 Jul 2025 21:18		RC/JU	Ok
27	Q2649-13	WC-4	BF143202.D	22 Jul 2025 21:48		RC/JU	Ok
28	Q2658-02	PAD-072125-2	BF143203.D	22 Jul 2025 22:17		RC/JU	Ok
29	Q2658-01	PAD-072125-1	BF143204.D	22 Jul 2025 22:46	Internal standard fail.	RC/JU	Ok,M
30	Q2660-01	MOO-25-0205	BF143205.D	22 Jul 2025 23:15	Internal standard fail.	RC/JU	Ok
31	Q2649-17	WC-5	BF143206.D	22 Jul 2025 23:43		RC/JU	Ok,M
32	Q2649-01	WC-1	BF143207.D	23 Jul 2025 00:12		RC/JU	Ok,M
33	Q2660-03	MOO-25-0218	BF143208.D	23 Jul 2025 00:41	Internal standard fail	RC/JU	Ok

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2550-02	VNJ-203	1	1.13	10.33	11.46	10.67	92.4	
Q2550-03	VNJ-203-E2	2	1.16	10.18	11.34	10.36	90.4	
Q2555-01	OU4-TS-29-070925	3	1.18	10.34	11.52	8.84	74.1	
Q2555-03	OU4-TS-30-070925	4	1.14	10.85	11.99	9.45	76.6	
Q2556-01	RT3997	5	1.16	10.62	11.78	10.4	87.0	
Q2557-01	OILY SPILL DEBRIS	6	1.00	1.00	2.00	2.00	100.0	debris
Q2558-01	OU4-TS-Denali-070925	7	1.15	10.60	11.75	9.59	79.6	
Q2558-03	OU4-TS-Grillo-OG-070925	8	1.19	10.63	11.82	9.56	78.7	
Q2559-01	500-3B CONCRETE CHIP	9	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2559-02	500-3B CONCRETE CHIP-EPH	10	1.00	1.00	2.00	2.00	100.0	Concreate sample
Q2560-01	LP-7102025	11	1.14	9.97	11.11	9.53	84.2	
Q2560-02	LP-7102025-EPH-2	12	1.19	10.36	11.55	10.07	85.7	
Q2560-03	LP-7102025-VOC	13	1.13	10.68	11.81	10.11	84.1	
Q2561-03	AUD-25-0115-0116	14	1.14	10.21	11.35	11.07	97.3	
Q2561-04	AUD-25-0067	15	1.17	10.34	11.51	10.88	93.9	
Q2561-05	AUD-25-0117	16	1.15	10.84	11.99	11.85	98.7	
Q2564-01	ARS20-0030	17	1.18	10.66	11.84	11.32	95.1	
Q2564-02	ARS20-0030-E2	18	1.19	10.47	11.66	11.00	93.7	
Q2564-03	ARS20-0013	19	1.13	10.70	11.83	10.87	91.0	
Q2564-04	ARS20-0013-E2	20	1.15	10.81	11.96	10.82	89.5	
Q2564-05	ARS20-0039	21	1.14	10.39	11.53	10.2	87.2	
Q2564-06	ARS20-0039-E2	22	1.13	10.64	11.77	11.09	93.6	
Q2565-02	MOO-25-0194-0195	23	1.14	10.11	11.25	9.82	85.9	
Q2565-03	MOO-25-0191	24	1.00	1.00	2.00	2.00	100.0	debris
Q2565-04	MOO-25-0196	25	1.19	10.56	11.75	9.2	75.9	
Q2565-05	MOO-25-0180	26	1.13	10.69	11.82	11.4	96.1	
Q2571-01	TP-18	27	1.15	10.82	11.97	11.71	97.6	

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 7/11/2025

OVENTEMP IN Celsius(°C): 107
Time IN: 17:10
In Date: 07/10/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:25
Out Date: 07/11/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136427

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
Q2571-02	TP-18 EPH	28	1.14	10.85	11.99	11.44	94.9	
Q2571-03	TP-18 VOC	29	1.18	10.59	11.77	10.45	87.5	
Q2571-05	TP-17	30	1.15	10.88	12.03	10.72	88.0	
Q2571-06	TP-17-EPH	31	1.15	11.16	12.31	11.1	89.2	
Q2571-07	TP-17-VOC	32	1.14	10.85	11.99	10.9	90.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

WB6427

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2550-02	VNJ-203	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2550-03	VNJ-203-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O41	07/09/2025	Chemtech -SO
Q2555-01	OU4-TS-29-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2555-03	OU4-TS-30-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2556-01	RT3997	Solid	Percent Solids	Cool 4 deg C	PSEG03	--Sele	07/10/2025	Chemtech -SO
Q2557-01	OILY SPILL DEBRIS	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2558-01	OU4-TS-Denali-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	Percent Solids	Cool 4 deg C	NOBI03	O13	07/09/2025	Chemtech -SO
Q2559-01	500-3B CONCRETE CHIP	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2559-02	500-3B CONCRETE CHIP-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O31	07/10/2025	Chemtech -SO
Q2560-01	LP-7102025	Solid	Percent Solids	Cool 4 deg C	PSEG03		07/10/2025	Chemtech -SO
Q2560-02	LP-7102025-EPH-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2560-03	LP-7102025-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O23	07/10/2025	Chemtech -SO
Q2561-03	AUD-25-0115-0116	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-04	AUD-25-0067	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2561-05	AUD-25-0117	Solid	Percent Solids	Cool 4 deg C	PSEG03	O21	07/10/2025	Chemtech -SO
Q2564-01	ARS20-0030	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-02	ARS20-0030-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-03	ARS20-0013	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-04	ARS20-0013-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2564-05	ARS20-0039	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 : 15:10

Raw Sample Received by: R (WC)

Raw Sample Relinquished by: [signature]

Date/Time 07/10/25 17:20

Raw Sample Received by: [signature]

Raw Sample Relinquished by: R (WC)

VB 136427

WORKLIST(Hardcopy Internal Chain)

WorkList Name : %1-071025 **WorkList ID :** 190631 **Department :** Wet-Chemistry **Date :** 07-10-2025 08:43:25

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2564-06	ARS20-0039-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2565-02	MOO-25-0194-0195	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-03	MOO-25-0191	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-04	MOO-25-0196	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2565-05	MOO-25-0180	Solid	Percent Solids	Cool 4 deg C	PSEG03	O11	07/10/2025	Chemtech -SO
Q2571-01	TP-18	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-02	TP-18 EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-03	TP-18 VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-05	TP-17	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-06	TP-17-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO
Q2571-07	TP-17-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	O22	07/10/2025	Chemtech -SO

Date/Time 07/10/25 15:10

Raw Sample Received by: WC

Raw Sample Relinquished by:

Date/Time 07/10/25 17:20

Raw Sample Received by:

Raw Sample Relinquished by: WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168813

SOP ID:	M3541-ASE Extraction-14				
Clean Up SOP #:	N/A			**Extraction Start Date :**	07/11/2025
Matrix :	Solid			**Extraction Start Time :**	09:50
Weigh By:	EH	**Extraction By:**	RJ	**Extraction End Date :**	07/11/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	13:15
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
MDL	1.0ML	~~N/A~~ 4 PPM	SP6816
MDL	1.0ML	N/A 8 PPM	SP6818
N/A	N/A	N/A	N/A

RJ 7/11

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2612
Baked Na2SO4	N/A	EP2624
Sand	N/A	E3951
Methylene Chloride	N/A	E3943
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 Vail Lot # 2210443, Q2565-03,04,05 used Limited volume as samples are Oily Debris & small particles.

KD Bath ID:	N/A	**Envap ID:**	NEVAP-02
KD Bath Temperature:	N/A	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
7/11/25	RJ (Ext lab)	RC/SVOC
13:20	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168813

Analytical Method: M3541-ASE Extraction-14 **Concentration Date:** 07/11/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168813BL	SBLK813	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			U6-1
PB168813BS	SLCS813	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1			2
Q2126-03	MDL-SOIL-03-QT2-2025 4PPM	SVOC-Chemtech Full -25	30.02	N/A	ritesh	Evelyn	1			3
Q2555-01	OU4-TS-29-070925	SVOCMS Group3	30.06	N/A	ritesh	Evelyn	1	E		4
Q2555-03	OU4-TS-30-070925	SVOCMS Group3	30.08	N/A	ritesh	Evelyn	1	E		5
Q2558-01	OU4-TS-DENALI-070925	SVOCMS Group3	30.05	N/A	ritesh	Evelyn	1	E		6
Q2558-03	OU4-TS-GRILLO-OG-070925	SVOCMS Group3	30.04	N/A	ritesh	Evelyn	1	E		U1-1
Q2559-01	500-3B CONCRETE CHIP	SVOC-TCL BNA -20	50.05	N/A	ritesh	Evelyn	1	E	Concrete	2
Q2560-01	LP-7102025	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		3
Q2564-01	ARS20-0030	SVOC-TCL BNA -20	50.02	N/A	ritesh	Evelyn	1	E		4
Q2564-03	ARS20-0013	SVOC-TCL BNA -20	50.04	N/A	ritesh	Evelyn	1	E		5
Q2564-05	ARS20-0039	SVOC-TCL BNA -20	50.09	N/A	ritesh	Evelyn	1	E		6
Q2565-02	MOO-25-0194-0195	SVOC-TCL BNA -20	50.07	N/A	ritesh	Evelyn	1	E		U2-1
Q2565-03	MOO-25-0191	SVOC-TCL BNA -20	5.06	N/A	ritesh	Evelyn	1	E	Oily Debris	2
Q2565-04	MOO-25-0196	SVOC-TCL BNA -20	5.02	N/A	ritesh	Evelyn	1	E	Oily Debris + Small Particle	3
Q2565-05	MOO-25-0180	SVOC-TCL BNA -20	10.01	N/A	ritesh	Evelyn	1	E	Small Particle	4
Q2571-01	TP-18	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		5
Q2571-05	TP-17	SVOC-TCL BNA -20	50.08	N/A	ritesh	Evelyn	1	E		6
Q2571-05MS	TP-17MS	SVOC-TCL BNA -20	50.01	N/A	ritesh	Evelyn	1	E		U3-1
Q2571-05MSD	TP-17MSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	E		2
Q2126-03	MDL-SOIL-8PPM.	1	30.04	1	1	1	1			3

RS 7/11

* **Extracts relinquished on the same date as received.**

Q2555-SVOCMS Group3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2565 **WorkList ID :** 190663 **Department :** Extraction **Date :** 07-11-2025 08:42:48

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2126-03	MDL-SOIL-03-QT2-2025	Solid	SVOC-Chemtech Full -25	Cool 4 deg C	ALLI03	QA Of	05/23/2025	8270E
Q2555-01	OU4-TS-29-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2555-03	OU4-TS-30-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2558-01	OU4-TS-Denali-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2558-03	OU4-TS-Grillo-OG-070925	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O13	07/09/2025	8270E
Q2559-01	500-3B CONCRETE CHIP	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O31	07/10/2025	8270E
Q2560-01	LP-7102025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		07/10/2025	8270E
Q2564-01	ARS20-0030	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2564-03	ARS20-0013	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2564-05	ARS20-0039	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2565-02	MOO-25-0194-0195	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2565-03	MOO-25-0191	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2565-04	MOO-25-0196	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2565-05	MOO-25-0180	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O11	07/10/2025	8270E
Q2571-01	TP-18	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	O22	07/10/2025	8270E
Q2571-05	TP-17	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03		07/10/2025	8270E

Date/Time 07/11/25 9:45
Raw Sample Received by: RJ (Ext Lab)
Raw Sample Relinquished by: CR

Date/Time 07/11/25 10:15
Raw Sample Received by: CR
Raw Sample Relinquished by: RJ (Ext Lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2555

Test : SVOCMS Group3

Prepbatch ID : PB168813,

Sequence ID/Qc Batch ID: BF071625,BF071725,BF072225,

Standard ID :
EP2612,EP2624,SP6757,SP6769,SP6770,SP6815,SP6816,SP6818,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,SP6852,

Chemical ID :
10ul/1000ul sample,E3551,E3904,E3926,E3930,E3932,E3939,E3942,E3943,E3946,E3951,S10105,S11484,S11496,S11651,S11788,S11801,S11802,S11805,S11806,S11807,S12115,S12195,S12196,S12197,S12198,S12216,S12217,S12218,S12219,S12220,S12272,S12277,S12278,S12486,S12498,S12499,S12500,S12501,S12502,S12503,S12504,S12505,S12506,S12507,S12534,S12545,S12546,S12547,S12548,S12549,S12550,S12551,S12552,S12577,S12658,S12670,S12674,S12974,S12983,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13168,S13206,S13208,S13209,S13210,S13211,

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	EP2612	05/09/2025	11/05/2025	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 05/09/2025

FROM 8000.00000ml of E3930 + 8000.00000ml of E3932 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2624	06/26/2025	12/04/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 06/26/2025

FROM 4000.00000gram of E3551 = 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
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1366	LOQ & LOD 20 PPM	SP6815	06/12/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/08/2025

FROM 0.20000ml of S11806 + 0.40000ml of S12498 + 0.40000ml of S12545 + 0.40000ml of S12983 + 18.60000ml of E3939 = Final Quantity: 20.000 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
2082	LOQ & LOD 4 PPM	SP6816	06/12/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 16.00000ml of E3939 + 4.00000ml of SP6815 = Final Quantity: 20.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
2081	LOQ & LOD 8 PPM	SP6818	06/12/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 4.80000ml of E3939 + 3.20000ml of SP6815 = Final Quantity: 8.000 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
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
171	8270/625 Spike Solution, 50/100 PPM	SP6849	07/01/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 07/01/2025

FROM 0.10000ml of S12507 + 0.10000ml of S13159 + 0.30000ml of S13158 + 0.40000ml of S11484 + 0.40000ml of S11651 + 0.40000ml of S11806 + 0.40000ml of S11807 + 0.40000ml of S13148 + 0.40000ml of S13206 + 0.60000ml of S13089 + 0.80000ml of S12499 + 0.90000ml of S12552 + 1.20000ml of S12504 + 1.20000ml of S12506 + 1.20000ml of S12546 + 1.30000ml of S11802 + 1.30000ml of S12501 + 1.30000ml of S12503 + 1.30000ml of S12505 + 1.30000ml of S12545 + 1.30000ml of S12547 + 1.30000ml of S12549 + 1.30000ml of S12550 + 1.30000ml of S12551 + 1.30000ml of S12988 + 1.30000ml of S12989 + 1.30000ml of S12990 + 1.30000ml of S12992 + 1.40000ml of S11805 + 1.40000ml of S12500 + 1.40000ml of S12502 + 1.40000ml of S12548 + 1.40000ml of S12987 + 1.40000ml of S12991 + 1.40000ml of S13088 + 1.50000ml of S11801 + 163.00000ml of E3932 = Final Quantity: 200.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
19	8270/CLP Surrogate Solution, 100 PPM BN/150 PPM ACID	SP6852	07/02/2025	09/18/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/02/2025

FROM 1.50000ml of S12220 + 2.00000ml of S12195 + 2.00000ml of S12197 + 2.00000ml of S12216 + 5.50000ml of S12196 + 5.50000ml of S12198 + 5.50000ml of S12217 + 5.50000ml of S12218 + 5.50000ml of S12219 + 965.00000ml of E3946 = Final Quantity: 1000.000 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	313201	12/04/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

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)	24K1762005	01/07/2026	03/13/2025 / RUPESH	12/27/2024 / RUPESH	E3904

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)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

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)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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	11/22/2025	05/22/2025 / RUPESH	02/28/2025 / RUPESH	E3939

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	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-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A2862010	12/13/2025	06/13/2025 / Rajesh	02/28/2025 / Rajesh	E3943

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	07/01/2025 / RUPESH	06/19/2025 / RUPESH	E3946

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 #
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	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	01/01/2026	07/01/2025 / Rahul	11/09/2023 / Yogesh	S11651

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	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

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	S11801

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	S11802

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	S11805

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0200655	12/04/2025	06/04/2025 / Jagrut	11/21/2023 / rahul	S11806

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 #
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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

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	S12196

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	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12198

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	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

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	S12217

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	S12218

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	S12219

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	01/02/2026	07/02/2025 / Jagrut	03/15/2024 / Rahul	S12220

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

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	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12498

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	S12499

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12500

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	S12501

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	S12502

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	S12503

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	S12504

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	S12505

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	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12506

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

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	12/04/2025	06/04/2025 / Jagrut	07/23/2024 / RAHUL	S12545

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	S12546

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	S12547

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	01/01/2026	07/01/2025 / Rahul	07/23/2024 / RAHUL	S12548

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	S12549

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	S12550

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	S12551

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	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

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	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

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

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	01/15/2026	07/15/2025 / Rahul	09/20/2024 / anahy	S12674

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]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

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]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12983

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]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12987

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]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12988

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]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12989

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]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12990

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]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12991

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]	A0219438	09/30/2025	07/01/2025 / Rahul	12/11/2024 / anahy	S12992

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	S13088

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	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0201702	12/03/2025	06/03/2025 / Jagrut	11/13/2023 / Rahul	S13148

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	12/04/2025	06/04/2025 / Jagrut	06/04/2025 / Rahul	S13158

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	01/01/2026	07/01/2025 / Rahul	06/04/2025 / Rahul	S13159

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	01/22/2026	07/22/2025 / Rahul	06/02/2025 / anahy	S13168

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	01/01/2026	07/01/2025 / Rahul	06/11/2025 / anahy	S13206

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

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

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

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.

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
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:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
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%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
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%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
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.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
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	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 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

E 3926

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

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
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	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 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

E3930

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
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

Page 1 of 1

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

E3939

J Croak
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

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

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

E3943

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

Recd by RS 6/19/25

E3946

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	

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.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 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	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* 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.)

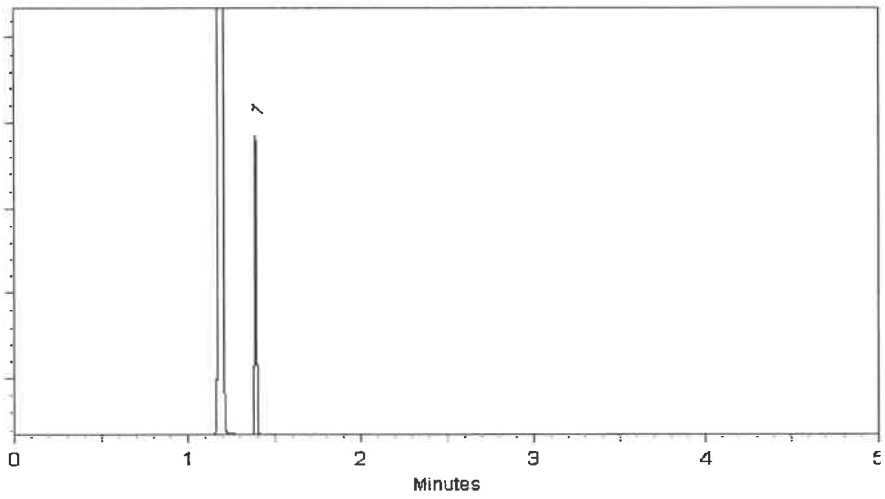
Inj. Temp:
250°C

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.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

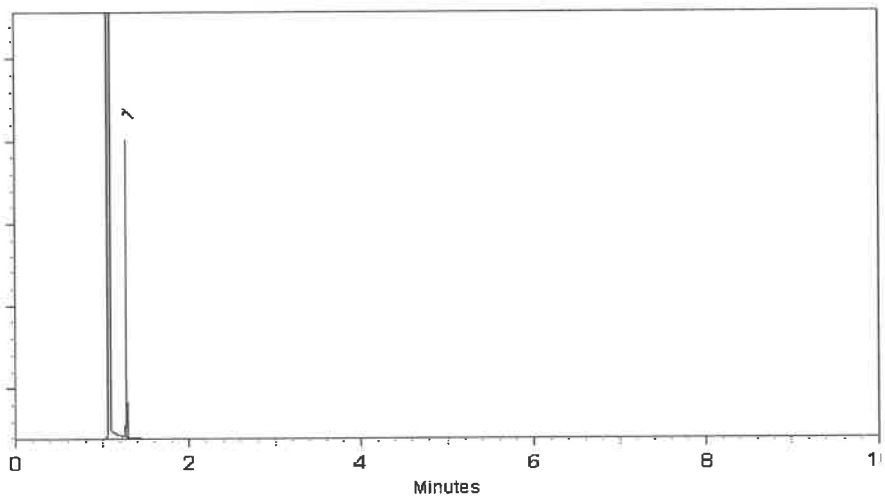
Inj. Temp:
250°C

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.)

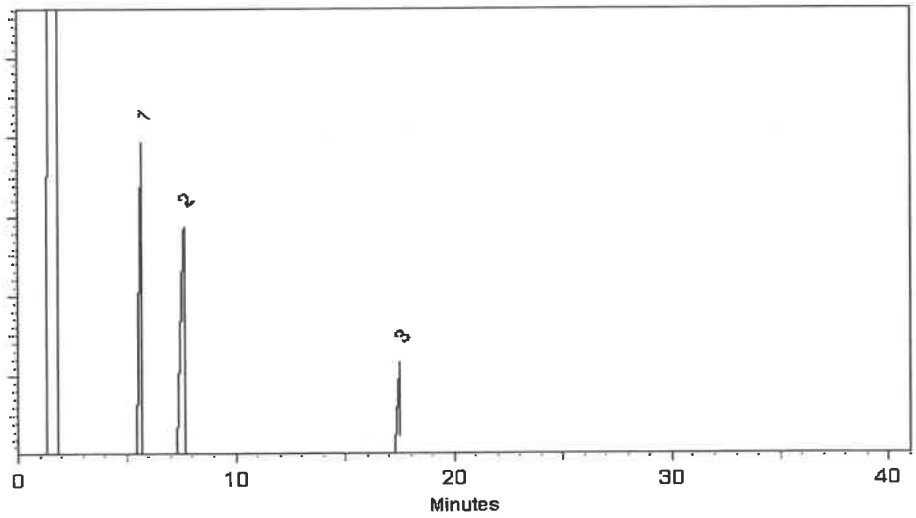
Inj. Temp:
250°C

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

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

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.)

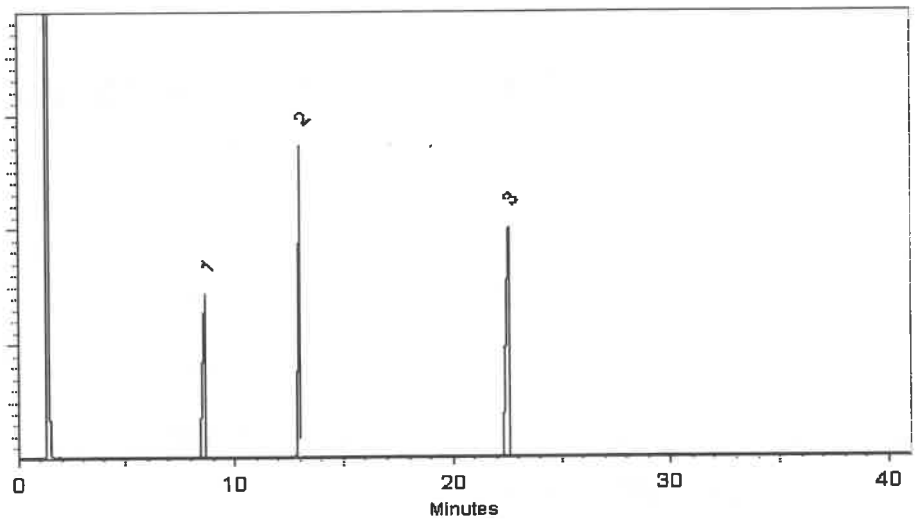
Inj. Temp:
250°C

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

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 gravimetricllly.

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 gravimetricllly.

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

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

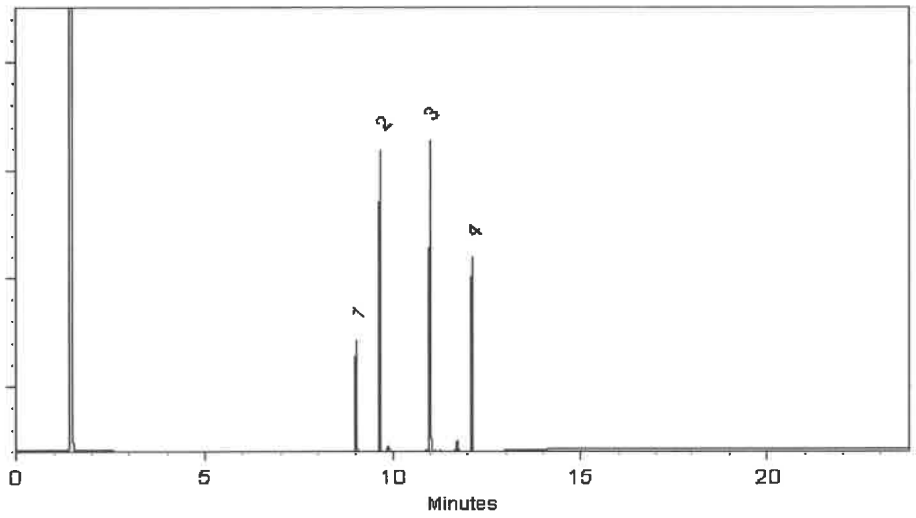
Inj. Temp:
250°C

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

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.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **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	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
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	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* 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.

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.

513078 ↓ 513087 } 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.)

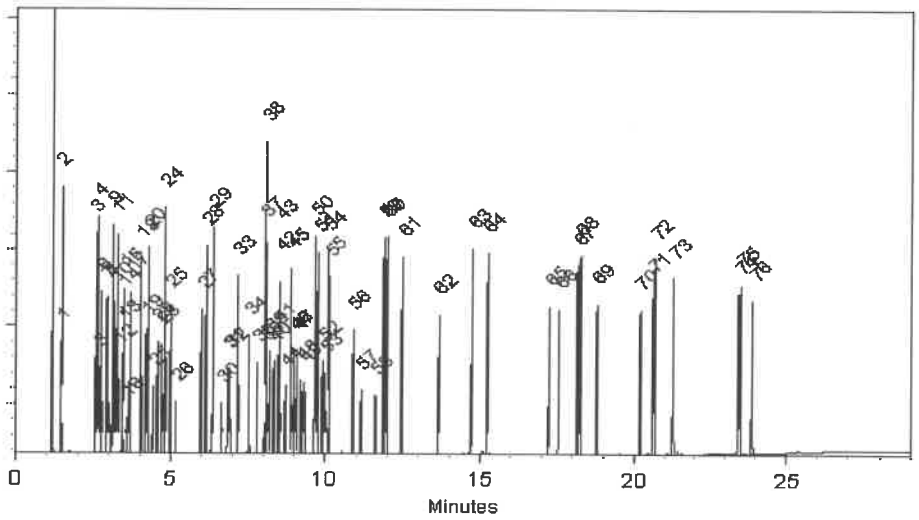
Inj. Temp:
250°C

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

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.)

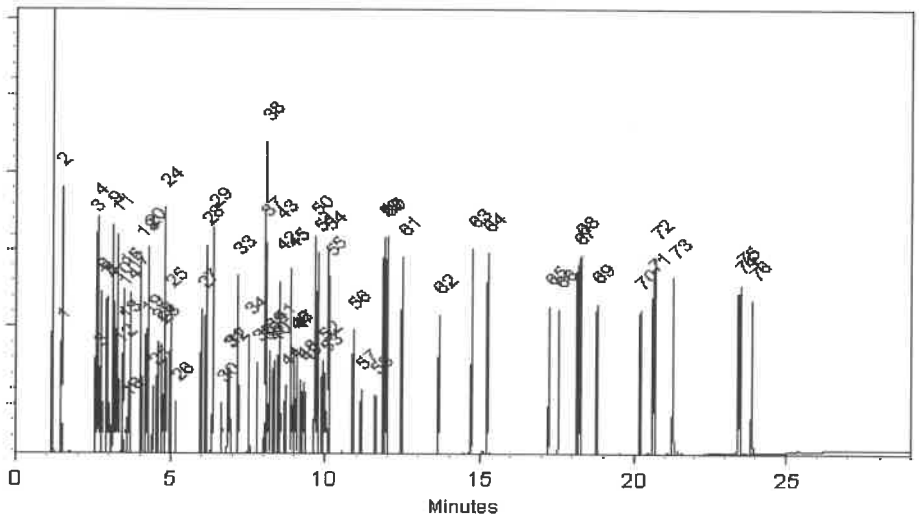
Inj. Temp:
250°C

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

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

S13158 ↓ S13167 } RC/ 6/4/25

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

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

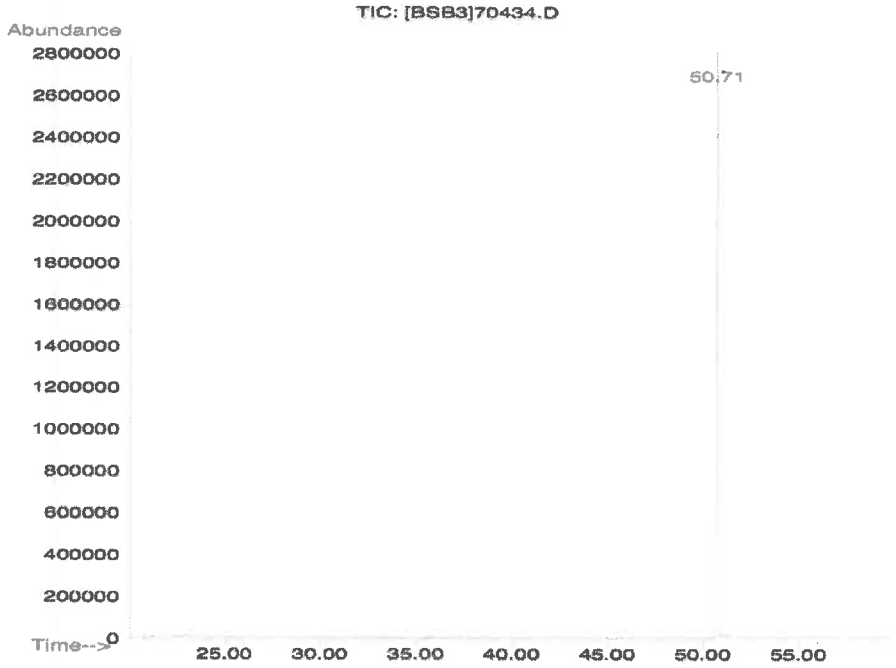
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

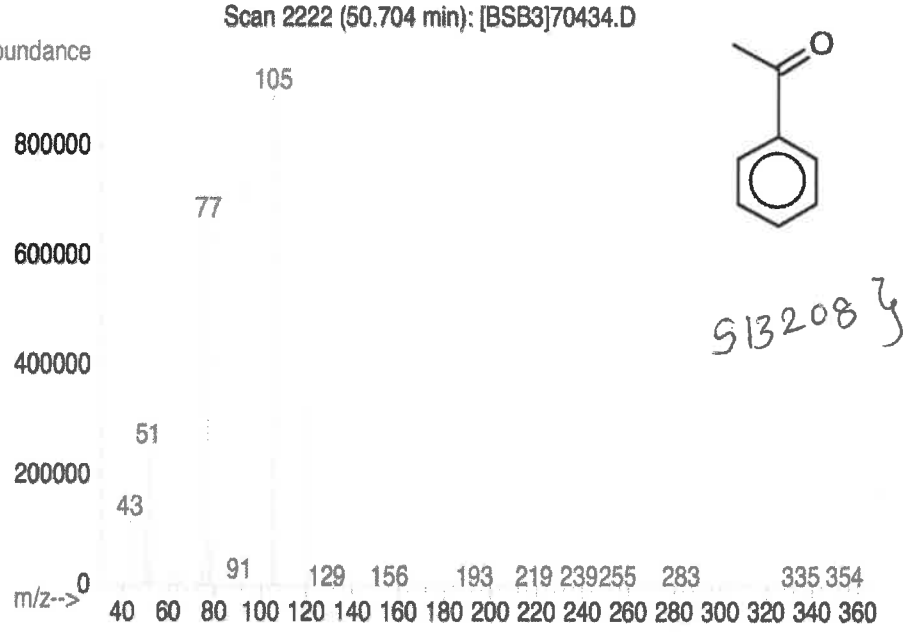
		121622
Formulated By:	Benson Chan	DATE
		121622
Reviewed By:	Pedro L. Rentas	DATE

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.

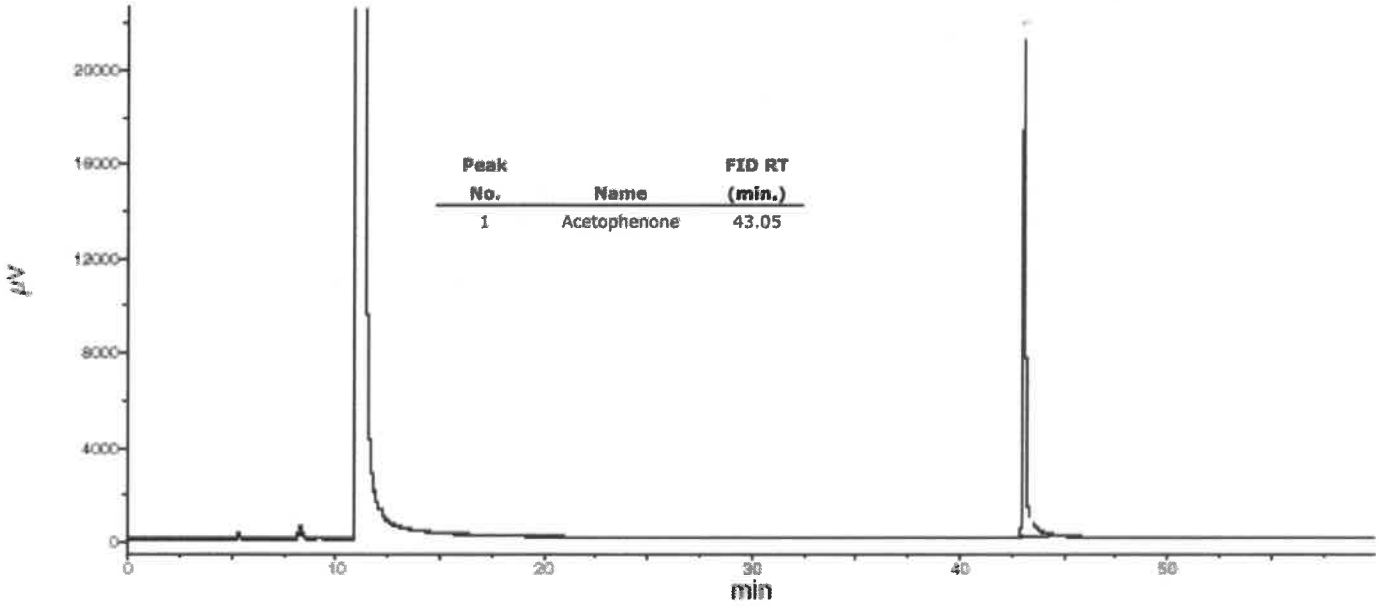




S13208 % RC1 6/19/25

- 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

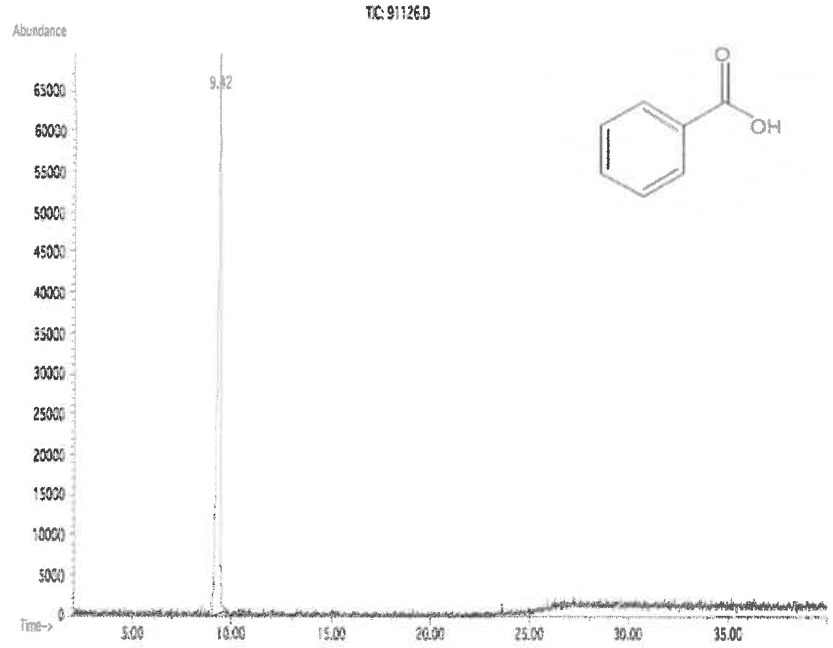
CERTIFIED WEIGHT REPORT

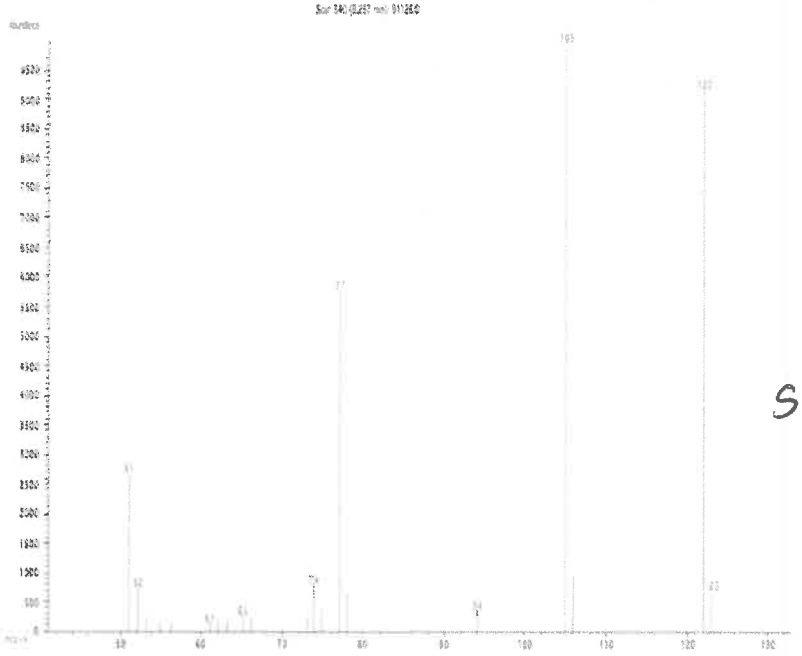
Part Number:	**91126**	**Solvent(s):**	**Lot#**
Lot Number:	060625	Methylene chloride	23343
Description:	Benzoic acid		
Expiration Date:	060630		
Recommended Storage:	Refrigerate (4 °C)		
Nominal Concentration (µg/mL):	2000		
NIST Test ID#:	6UTB	5E-05 Balance Uncertainty	
Weight(s) shown below were combined and diluted to (mL):	100.0	0.031 Flask Uncertainty	

		060625
Formulated By:	Anthony Mahoney	DATE
		060625
Reviewed By:	Pedro L. Rentas	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

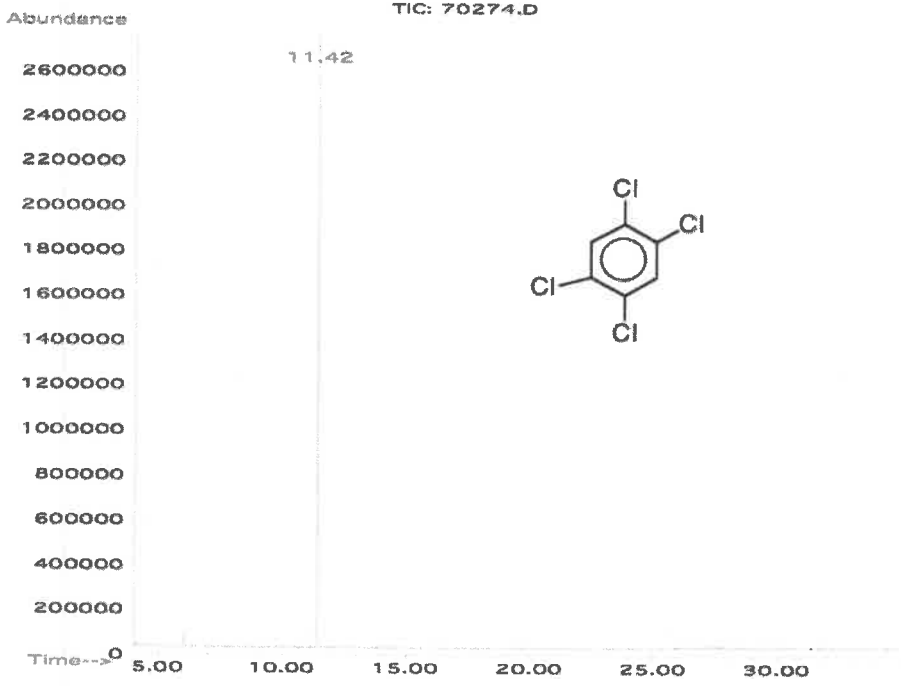
Weight(s) shown below were combined and diluted to (mL): 25.0

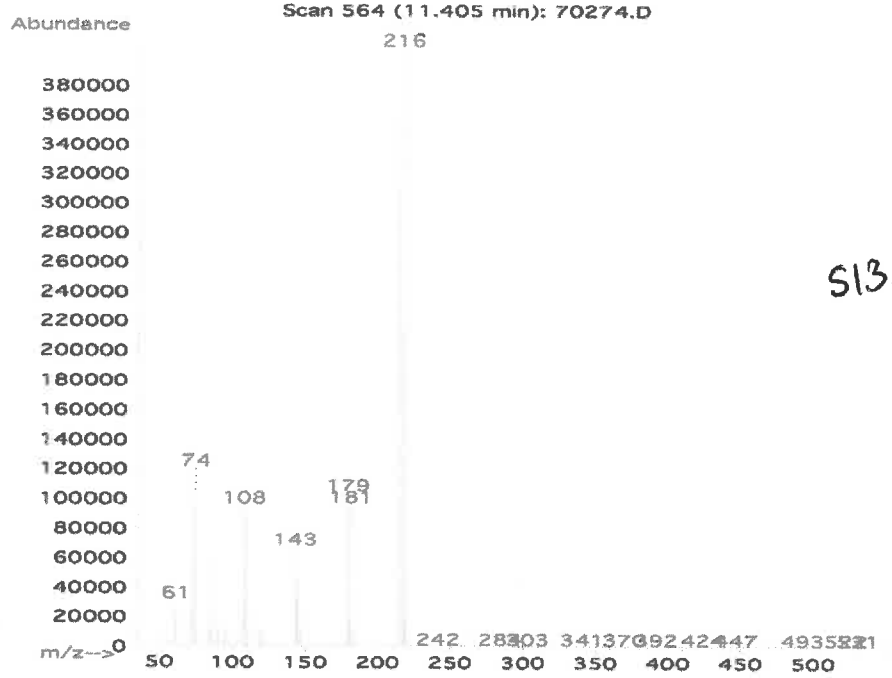
CAUTION: Sonicate Before Use

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.

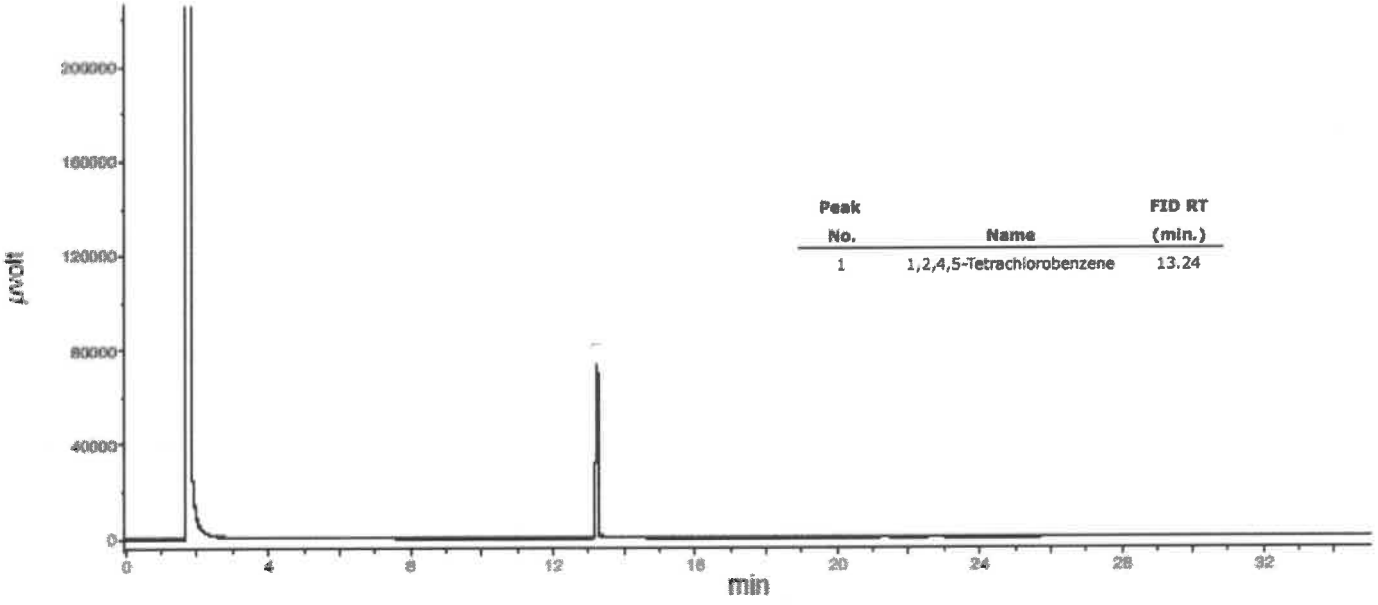
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, 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).

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

gravimetric

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

513148 ↓ 513157 RC 11/13/23

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

Q 2555

Chemtech

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

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 4_01/08/2020

39 Spruce Street
East Longmeadow, MA 01028

Company Name:	Nobis Group
Address:	55 Technology Dr Suite 101, Lowell, MA 01851
Phone:	978-703-6014
Project Name:	Raymark
Project Location:	Stratford, CT
Project Number:	95700
Project Manager:	Adam Roy
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	B. Fortier

Requested Turnaround Time
5-Day ☐ 10-Day ☑
PFAS 10-Day (std) ☐ Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐ No
Email To: aroy@nobis-group.com
Fax To #:

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

PCB ONLY
SOXHLET ☑
NON SOXHLET ☐

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	COMP/GRAB	[1]Matrix Code	Conc Code	VIALS	GLASS	PLASTIC	BACTERIA	ENCORE	M/O	RCP VOCs	% Solids	PAHs	Herbicides	Pesticides	PCBs	Cyanide	SPLP RCP Metals - 6020		
	OU4-TS-29-070925	7/9/25	10:30	G	SO		3	2	1				X	X	X	X	X	X	X	X		
	OU4-TS-30-070925	7/9/25	10:45	G	SO		3	2	1				X	X	X	X	X	X	X	X		

[2] Preservation Code

Total Number Of:
VIALS_____
GLASS_____
PLASTIC_____
BACTERIA_____
ENCORE_____

Glassware in the fridge? Y / N

Glassware in freezer? Y / N

Prepackaged Cooler? Y / N

*Contest is not responsible for missing samples from prepacked coolers

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

Relinquished by: (signature)	Date/Time: 7/9/25 1200
Received by: (signature)	Date/Time: 7/10/25 1000
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Client Comments:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U Unknown

NELAC and AIHA-LAP, LLC Accredited

Project Entity
Government ☐ Municipality ☐ MWRA ☐ WRTA ☐
Federal ☐ 21 J ☐ School ☐
City ☐ Brownfield ☐ MBTA ☐

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

Lab Comments:

If Cont 4.3°C

Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The Chain of Custody is a legal document that must be complete and accurate and is used to determine what analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con-Test values your partnership on each project and will try to assist with missing information, but will not be held accountable.

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2555 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 7/10/2025 10:17:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 7/10/2025 10:00:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2555-01	OU4-TS-29-070925	Solid	07/09/2025	10:30					
					VOCMS Group3		8260D		10 Bus. Days
Q2555-03	OU4-TS-30-070925	Solid	07/09/2025	10:45					
					VOCMS Group3		8260D		10 Bus. Days

Relinguished By : CA
Date / Time : 7/10/25 13:05

Received By : Sam
Date / Time : 07/10/25 13:05 Refrig Room 2

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	119528	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	456442	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	230973	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	382578	20.000	ng		0.00
76) Chrysene-d12	14.127	240	212909	20.000	ng		0.00
86) Perylene-d12	15.633	264	174154	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	79738	10.540	ng		0.00
7) Phenol-d6	6.575	99	100706	10.590	ng		-0.01
23) Nitrobenzene-d5	7.516	82	67837	8.337	ng		-0.01
42) 2,4,6-Tribromophenol	10.786	330	15703	7.625	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	205273	11.814	ng		0.00
79) Terphenyl-d14	13.069	244	166389	11.424	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	19027	5.052	ng		95
3) Pyridine	3.587	79	48004	5.034	ng		97
4) n-Nitrosodimethylamine	3.504	42	24487	4.956	ng	#	93
6) Aniline	6.622	93	69613	5.198	ng		99
8) 2-Chlorophenol	6.745	128	37026	4.871	ng		98
9) Benzaldehyde	6.510	77	35982	4.966	ng		99
10) Phenol	6.587	94	52784	5.127	ng		98
11) bis(2-Chloroethyl)ether	6.692	93	42574	5.342	ng		98
12) 1,3-Dichlorobenzene	6.910	146	46218	5.382	ng		98
13) 1,4-Dichlorobenzene	6.987	146	46918	5.431	ng		99
14) 1,2-Dichlorobenzene	7.140	146	43854	5.323	ng		97
15) Benzyl Alcohol	7.092	79	33475	4.751	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	81065	5.518	ng		99
17) 2-Methylphenol	7.198	107	33834	5.158	ng		98
18) Hexachloroethane	7.487	117	13889	4.938	ng		99
19) n-Nitroso-di-n-propyla...	7.363	70	30747	5.277	ng		99
20) 3+4-Methylphenols	7.351	107	42205	5.247	ng	#	87
22) Acetophenone	7.363	105	61393	5.580	ng		95
24) Nitrobenzene	7.534	77	32206	4.100	ng		99
25) Isophorone	7.775	82	80494	5.118	ng		99
26) 2-Nitrophenol	7.857	139	7204	6.037	ng		96
27) 2,4-Dimethylphenol	7.887	122	37098	5.082	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	50637	5.310	ng		98
29) 2,4-Dichlorophenol	8.092	162	27047	4.529	ng		96
30) 1,2,4-Trichlorobenzene	8.187	180	36023	5.315	ng		99
31) Naphthalene	8.269	128	125461	5.535	ng		100
32) Benzoic acid	7.887	122	37098	15.334	ng	#	13
33) 4-Chloroaniline	8.310	127	47947	5.260	ng		98
34) Hexachlorobutadiene	8.392	225	21105	5.207	ng		98
35) Caprolactam	8.628	113	6811	3.653	ng		96
36) 4-Chloro-3-methylphenol	8.775	107	32542	4.892	ng		96
37) 2-Methylnaphthalene	8.957	142	73511	5.436	ng		99
38) 1-Methylnaphthalene	9.057	142	77390	5.518	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	35579	5.286	ng		97
41) Hexachlorocyclopentadiene	9.122	237	13356	3.579	ng		98
43) 2,4,6-Trichlorophenol	9.228	196	17295	4.135	ng		97

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	19416	4.427	ng		99
46) 1,1'-Biphenyl	9.422	154	101056	5.486	ng		99
47) 2-Chloronaphthalene	9.445	162	73385	5.423	ng		99
48) 2-Nitroaniline	9.528	65	10398	5.579	ng		91
49) Acenaphthylene	9.863	152	118965	5.276	ng		99
50) Dimethylphthalate	9.710	163	75659	5.207	ng		99
51) 2,6-Dinitrotoluene	9.769	165	7659	5.308	ng		93
52) Acenaphthene	10.033	154	73531	5.526	ng		99
53) 3-Nitroaniline	9.933	138	10382	3.307	ng	#	90
54) 2,4-Dinitrophenol	10.039	184	1579	6.786	ng	#	1
55) Dibenzofuran	10.204	168	109432	5.518	ng		99
56) 4-Nitrophenol	10.081	139	7451	2.986	ng		89
57) 2,4-Dinitrotoluene	10.169	165	8515	5.606	ng		87
58) Fluorene	10.551	166	85318	5.738	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	14610	4.192	ng	#	98
60) Diethylphthalate	10.416	149	70533	5.031	ng		98
61) 4-Chlorophenyl-phenyle...	10.539	204	38452	5.395	ng		96
62) 4-Nitroaniline	10.539	138	9779	3.581	ng		83
63) Azobenzene	10.698	77	82291	5.308	ng		99
65) 4,6-Dinitro-2-methylph...	10.575	198	2390	7.224	ng		84
66) n-Nitrosodiphenylamine	10.651	169	70293	5.231	ng		99
67) 4-Bromophenyl-phenylether	11.033	248	22127	5.086	ng		95
68) Hexachlorobenzene	11.098	284	23819	5.160	ng		97
69) Atrazine	11.175	200	15103	4.393	ng		99
70) Pentachlorophenol	11.286	266	7881	3.112	ng		97
71) Phenanthrene	11.510	178	113784	5.511	ng		99
72) Anthracene	11.563	178	110778	5.335	ng		100
73) Carbazole	11.710	167	99235	5.335	ng		100
74) Di-n-butylphthalate	12.051	149	71352	4.179	ng		99
75) Fluoranthene	12.704	202	99884	5.320	ng		100
77) Benzidine	12.816	184	28673	3.953	ng		98
78) Pyrene	12.927	202	107389	5.436	ng		99
80) Butylbenzylphthalate	13.545	149	9546	5.646	ng		92
81) Benzo(a)anthracene	14.116	228	68990	4.863	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	13706	3.327	ng	#	97
83) Chrysene	14.151	228	68451	5.239	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	14537	5.667	ng		100
85) Di-n-octyl phthalate	14.727	149	19796	8.196	ng	#	88
87) Indeno(1,2,3-cd)pyrene	17.162	276	58565	4.521	ng		98
88) Benzo(b)fluoranthene	15.186	252	46276	4.607	ng		98
89) Benzo(k)fluoranthene	15.215	252	51177	5.340	ng		99
90) Benzo(a)pyrene	15.568	252	43046	4.531	ng		97
91) Dibenzo(a,h)anthracene	17.186	278	48506	4.581	ng		97
92) Benzo(g,h,i)perylene	17.627	276	49989	4.631	ng		98

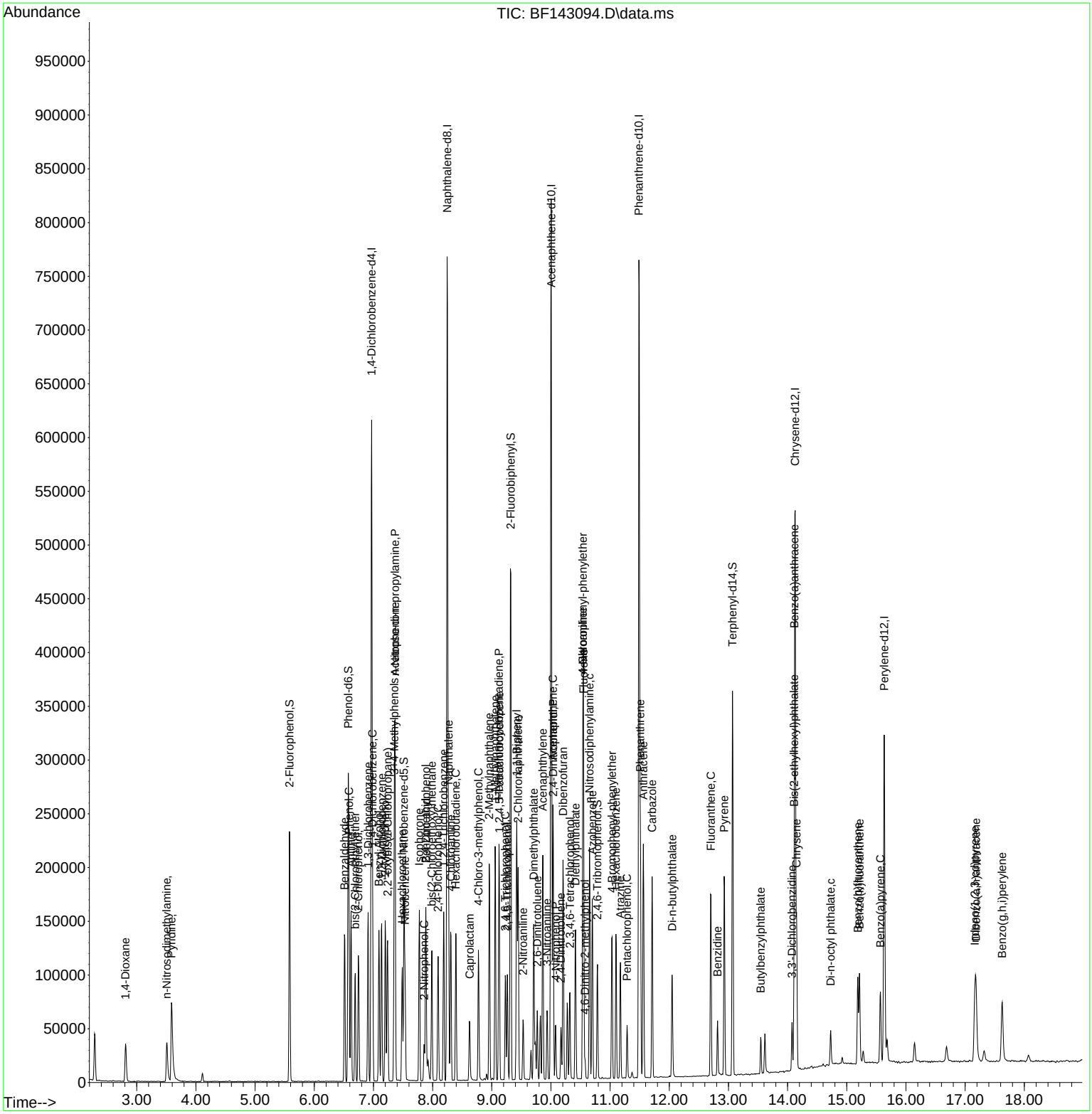
(#) = qualifier out of range (m) = manual integration (+) = signals summed

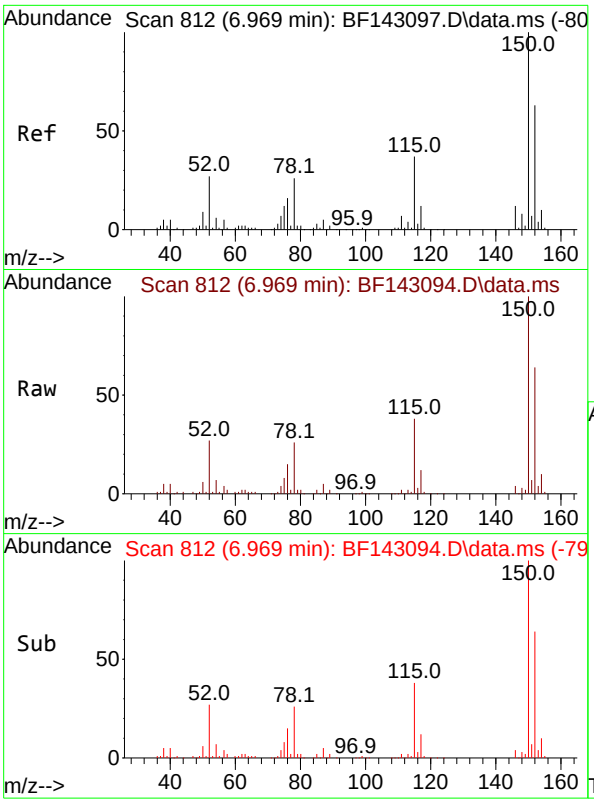
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143094.D
Acq On : 15 Jul 2025 13:35
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 15 17:37:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



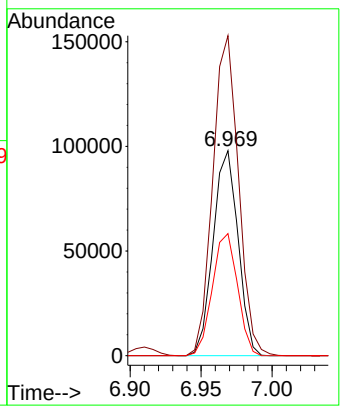


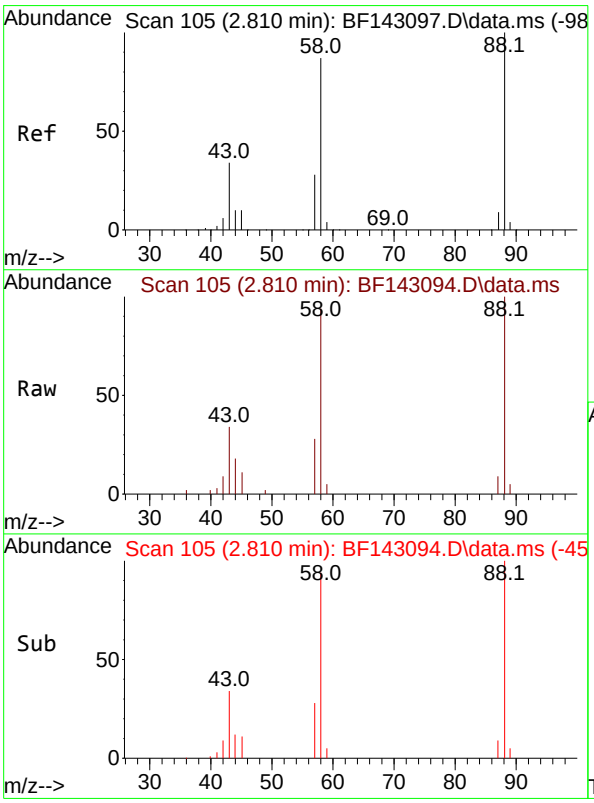
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 119528

Ion	Ratio	Lower	Upper
152	100		
150	156.2	126.5	189.7
115	59.5	47.0	70.6

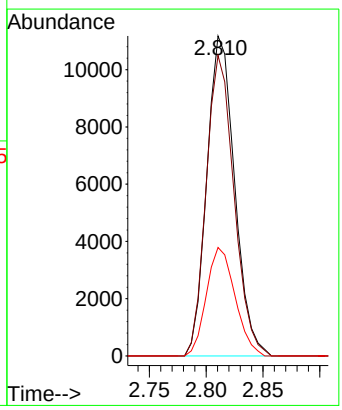


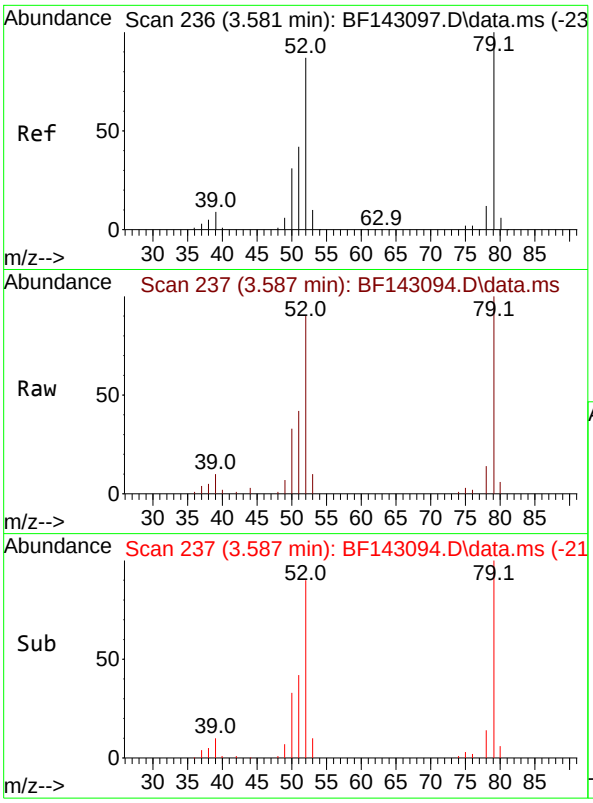


#2
1,4-Dioxane
Concen: 5.052 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 88 Resp: 19027

Ion	Ratio	Lower	Upper
88	100		
58	94.1	70.5	105.7
43	34.9	27.3	40.9



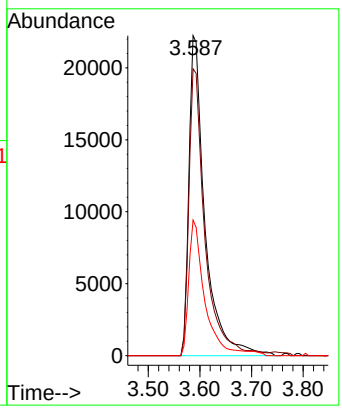


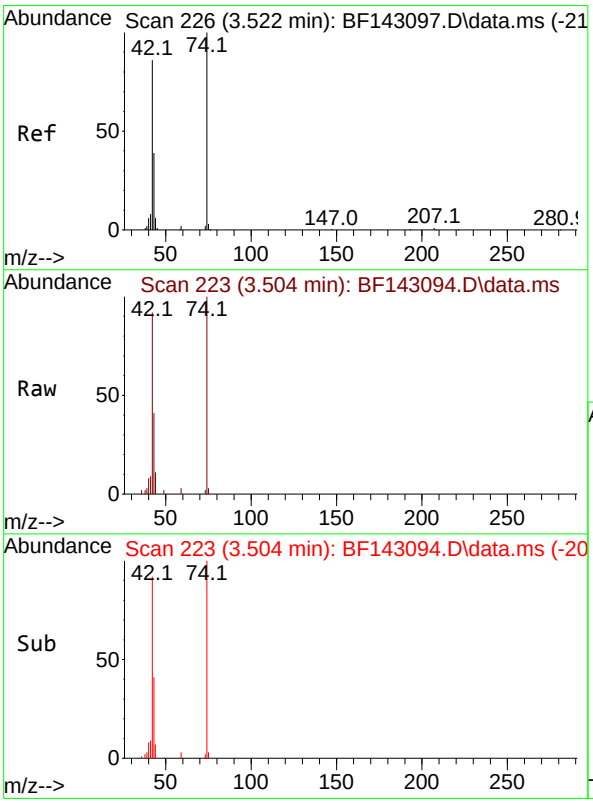
#3
Pyridine
Concen: 5.034 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 48004

Ion	Ratio	Lower	Upper
79	100		
52	89.6	69.2	103.8
51	42.3	33.3	49.9

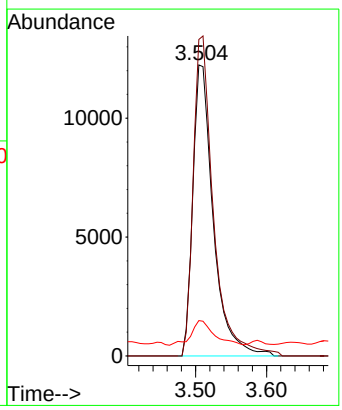


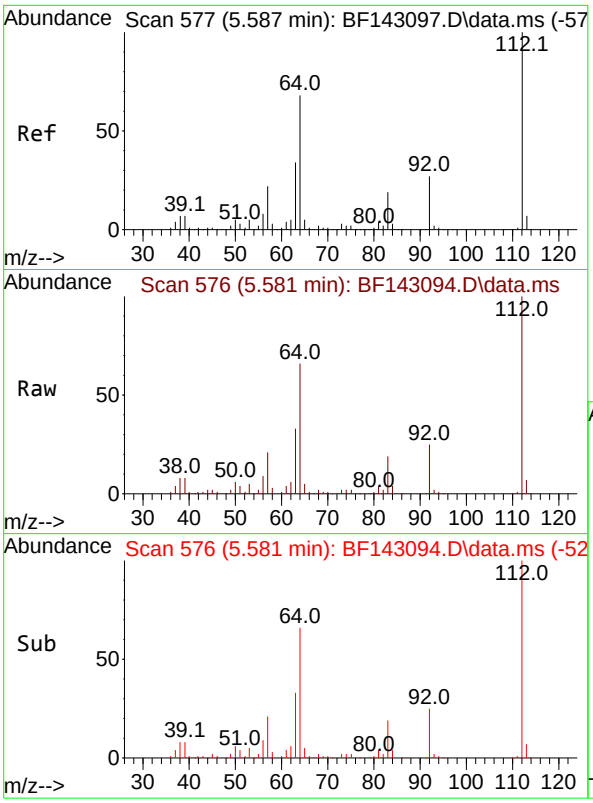


#4
n-Nitrosodimethylamine
Concen: 4.956 ng
RT: 3.504 min Scan# 223
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 42 Resp: 24487

Ion	Ratio	Lower	Upper
42	100		
74	108.8	92.8	139.2
44	12.1	5.8	8.6#



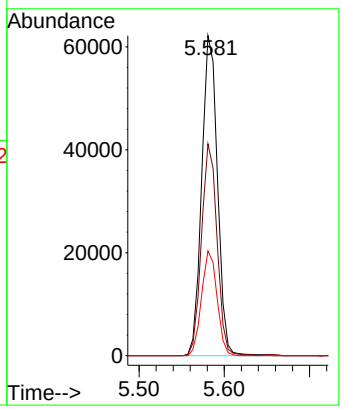


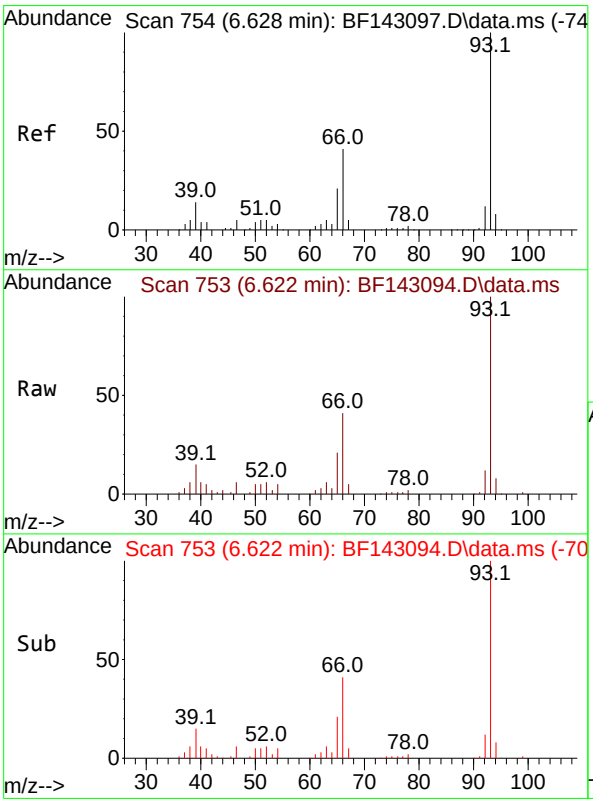
#5
2-Fluorophenol
Concen: 10.540 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 79738

Ion	Ratio	Lower	Upper
112	100		
64	66.2	54.6	82.0
63	32.8	27.3	40.9

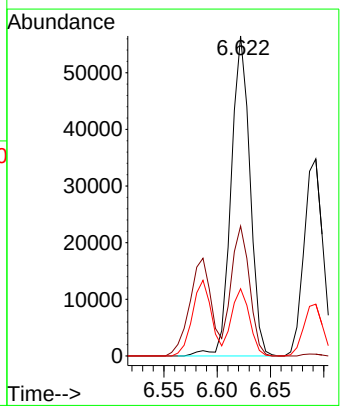


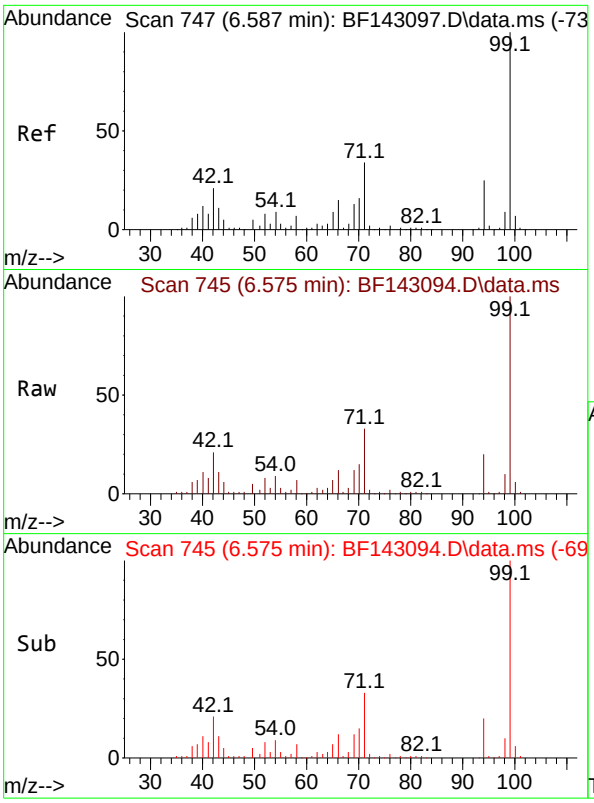


#6
Aniline
Concen: 5.198 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 69613

Ion	Ratio	Lower	Upper
93	100		
66	40.6	33.1	49.7
65	21.0	16.9	25.3



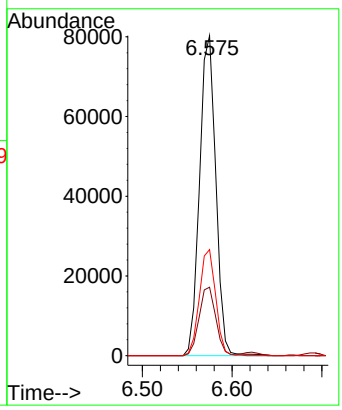


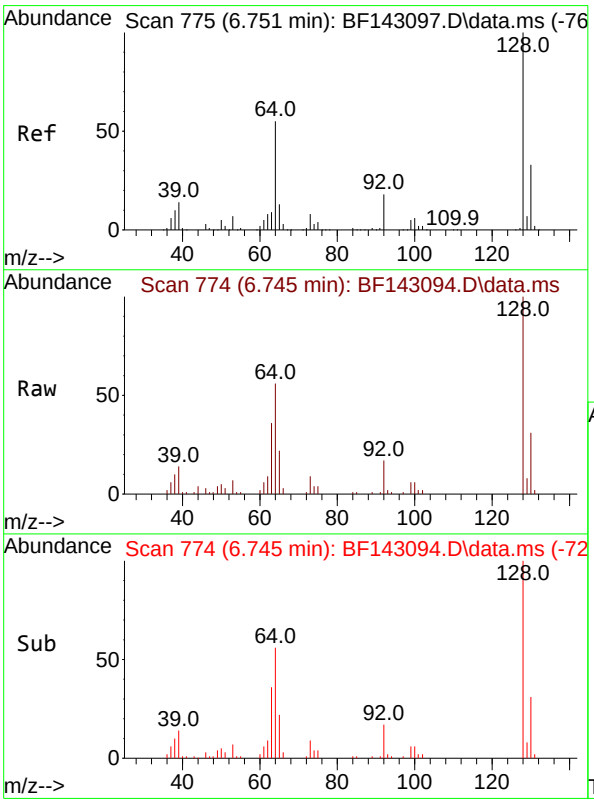
#7
Phenol-d6
Concen: 10.590 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 100706

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.2	25.8
71	33.2	27.4	41.0

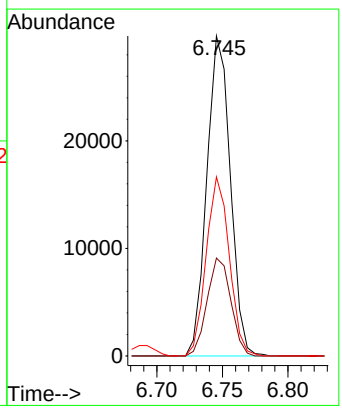


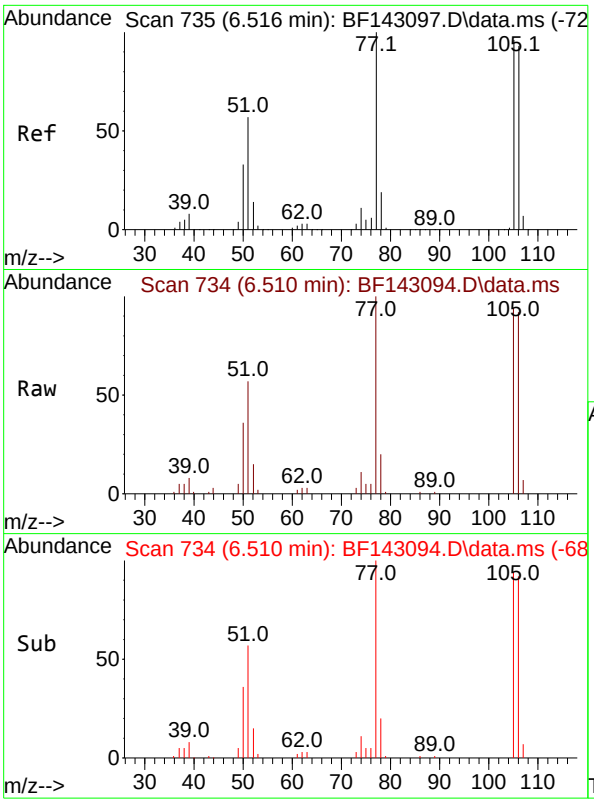


#8
2-Chlorophenol
Concen: 4.871 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:128 Resp: 37026

Ion	Ratio	Lower	Upper
128	100		
130	30.6	12.8	52.8
64	55.9	36.1	76.1



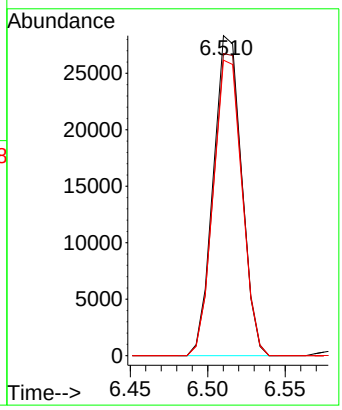


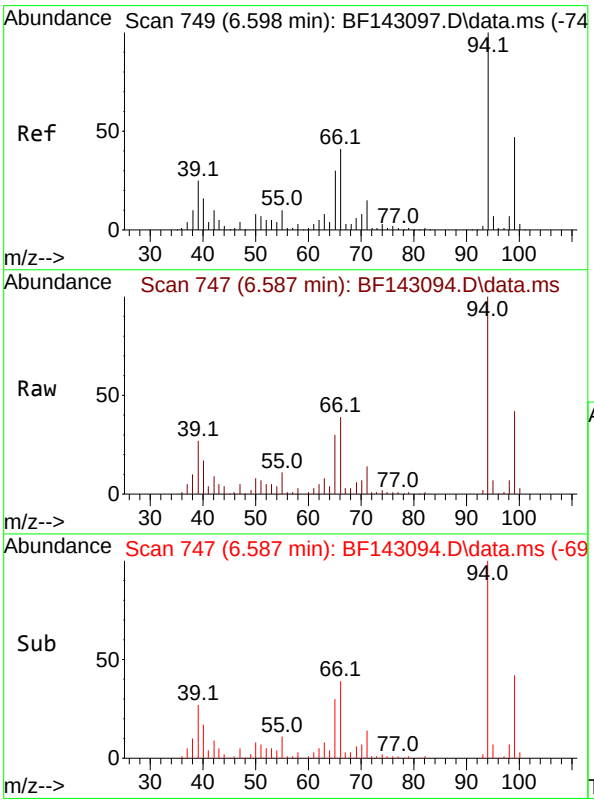
#9
Benzaldehyde
Concen: 4.966 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 35982

Ion	Ratio	Lower	Upper
77	100		
105	94.4	76.3	116.3
106	92.3	72.8	112.8

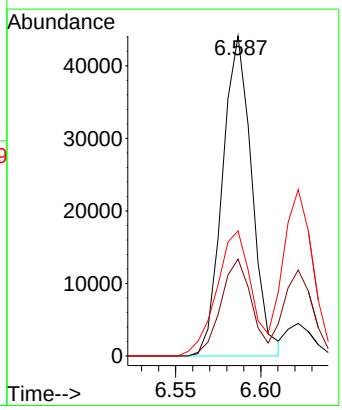


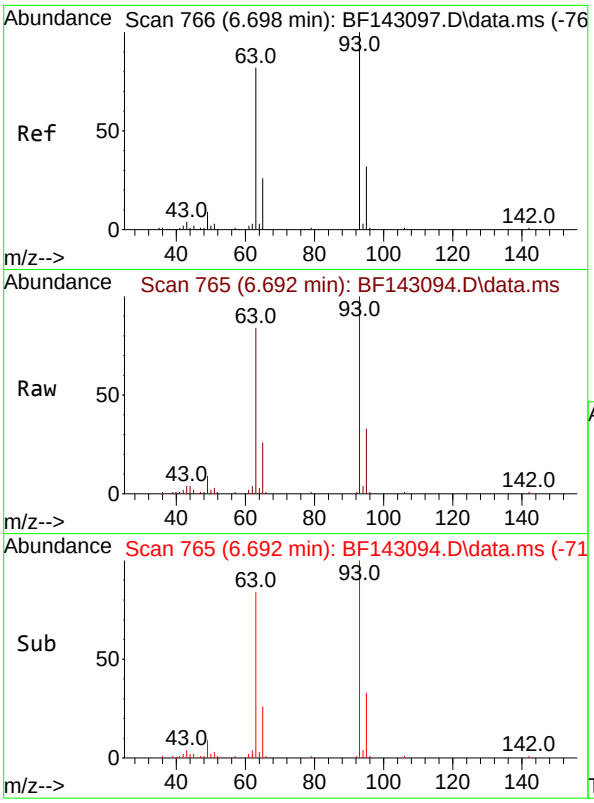


#10
Phenol
Concen: 5.127 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 94 Resp: 52784

Ion	Ratio	Lower	Upper
94	100		
65	30.3	9.8	49.8
66	39.1	20.5	60.5



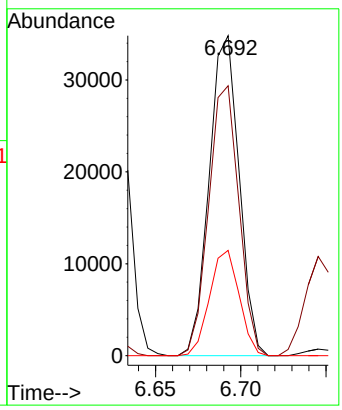


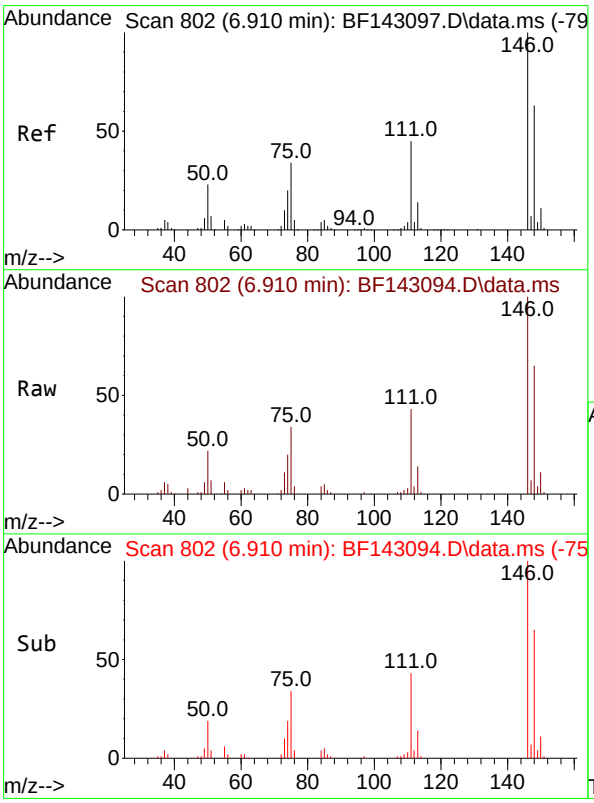
#11
bis(2-Chloroethyl)ether
Concen: 5.342 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 42574

Ion	Ratio	Lower	Upper
93	100		
63	84.4	61.9	101.9
95	32.9	12.2	52.2

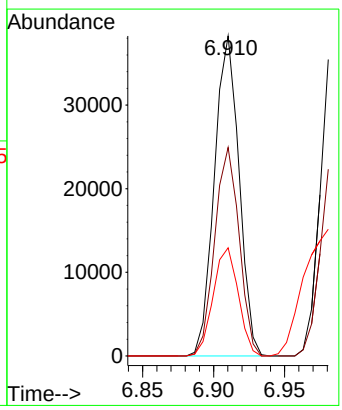


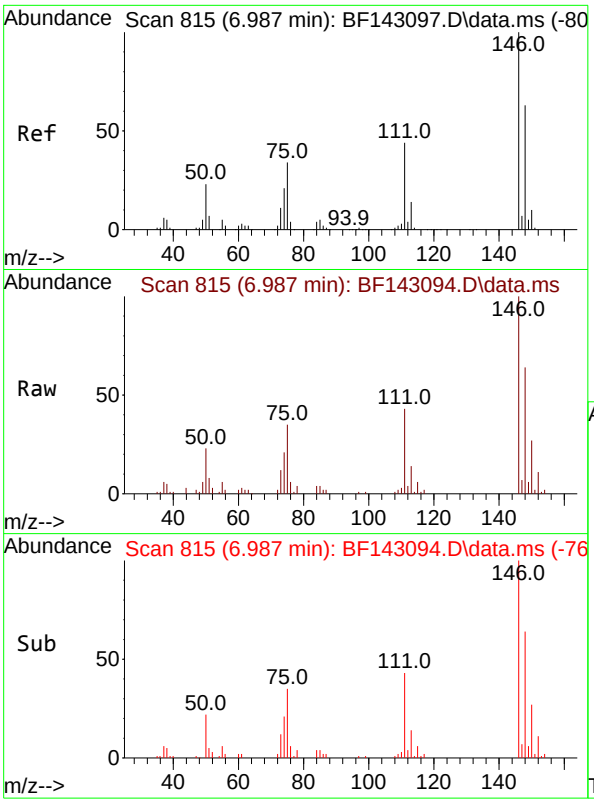


#12
1,3-Dichlorobenzene
Concen: 5.382 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 46218

Ion	Ratio	Lower	Upper
146	100		
148	65.2	50.1	75.1
75	33.8	27.4	41.0



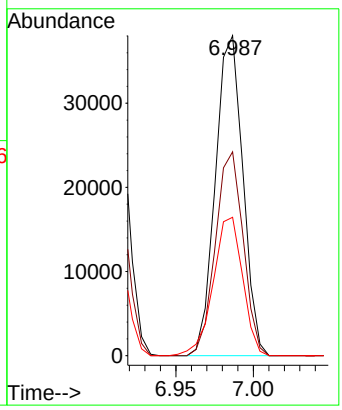


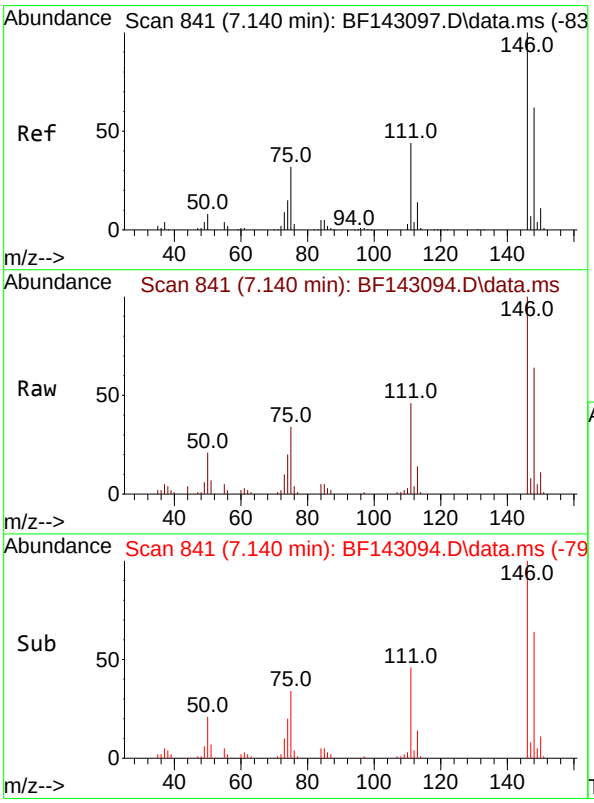
#13
1,4-Dichlorobenzene
Concen: 5.431 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 46918

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	43.3	35.0	52.6

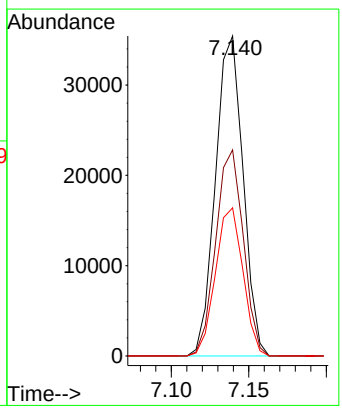


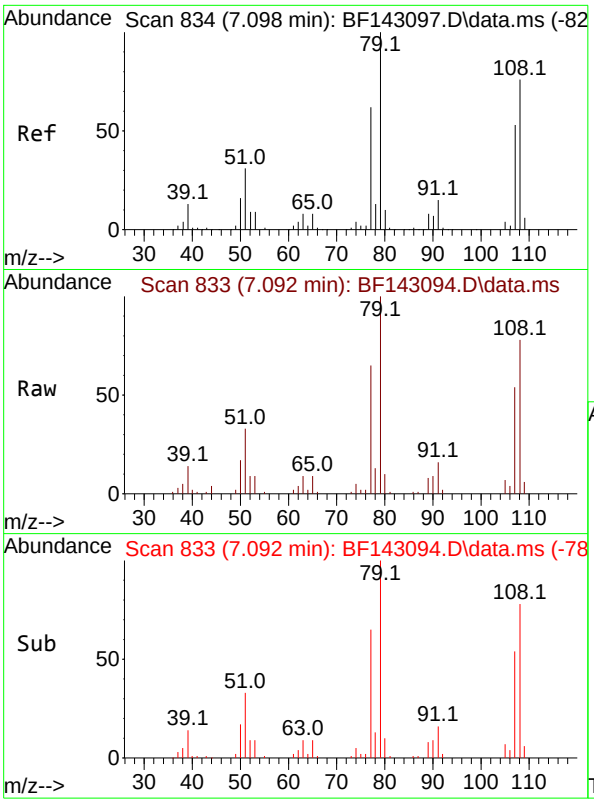


#14
1,2-Dichlorobenzene
Concen: 5.323 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:146 Resp: 43854

Ion	Ratio	Lower	Upper
146	100		
148	64.4	49.8	74.6
111	46.3	35.4	53.0



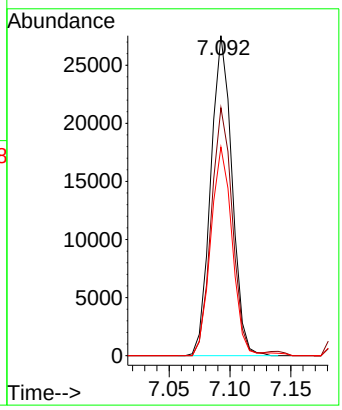


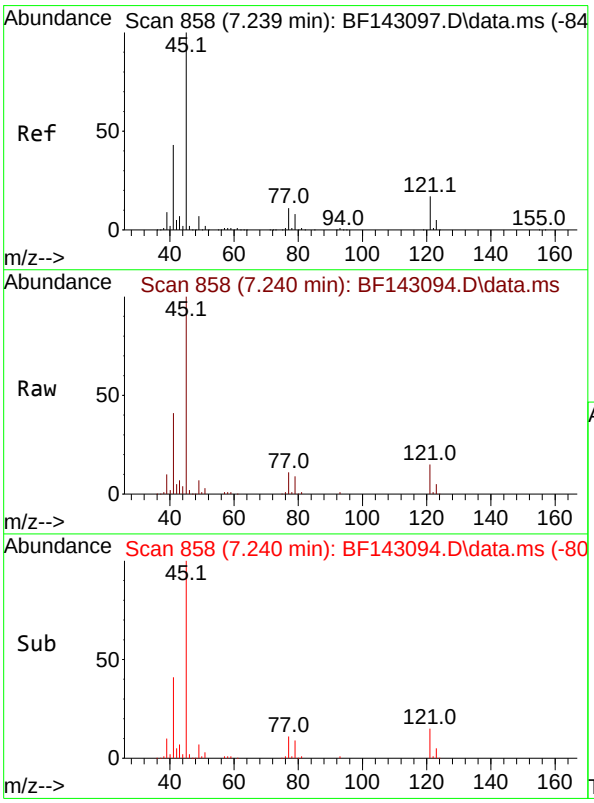
#15
Benzyl Alcohol
Concen: 4.751 ng
RT: 7.092 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 33475

Ion	Ratio	Lower	Upper
79	100		
108	77.5	61.1	91.7
77	65.2	49.9	74.9

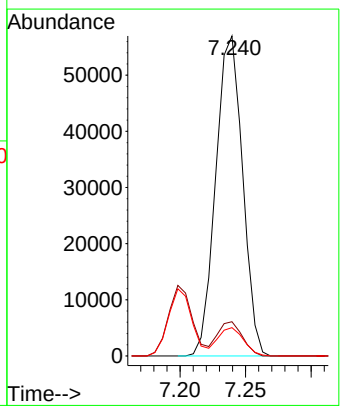


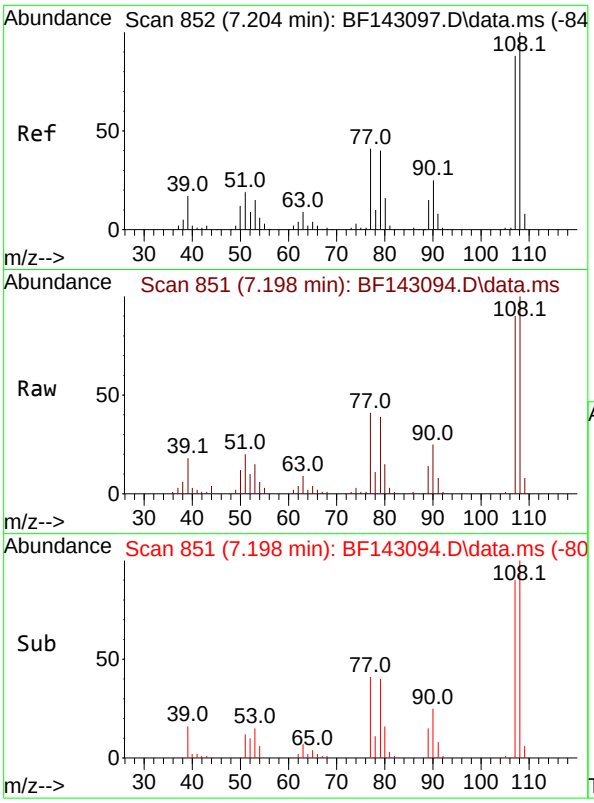


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.518 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 45 Resp: 81065

Ion	Ratio	Lower	Upper
45	100		
77	10.7	0.0	31.1
79	8.8	0.0	28.4



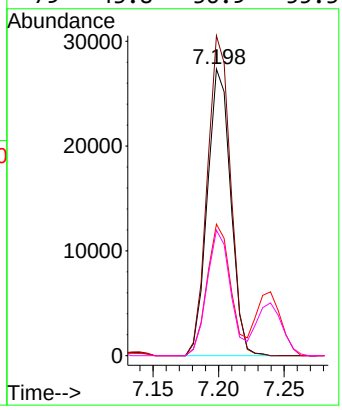


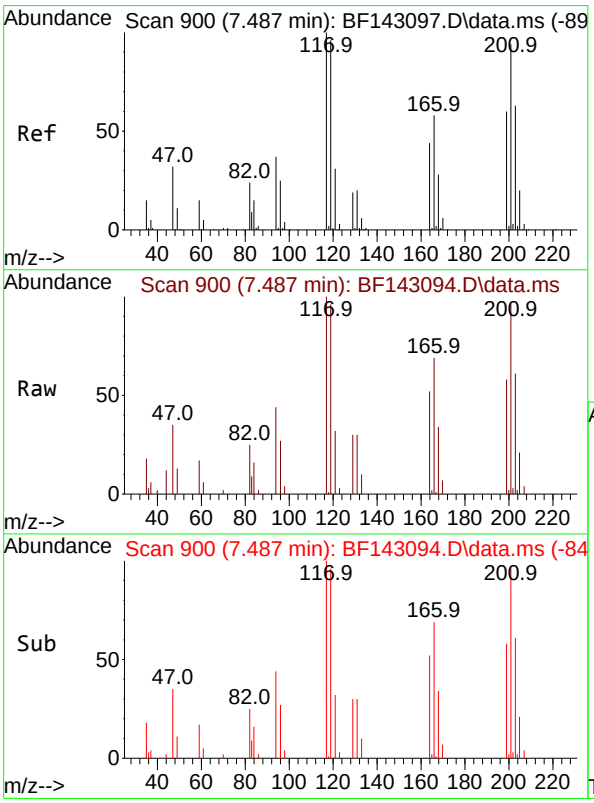
#17
2-Methylphenol
Concen: 5.158 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 33834

Ion	Ratio	Lower	Upper
107	100		
108	111.6	90.9	136.3
77	45.9	37.5	56.3
79	43.8	36.9	55.3

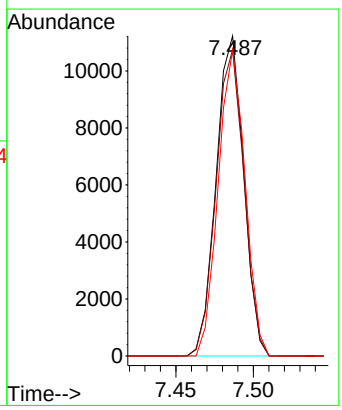


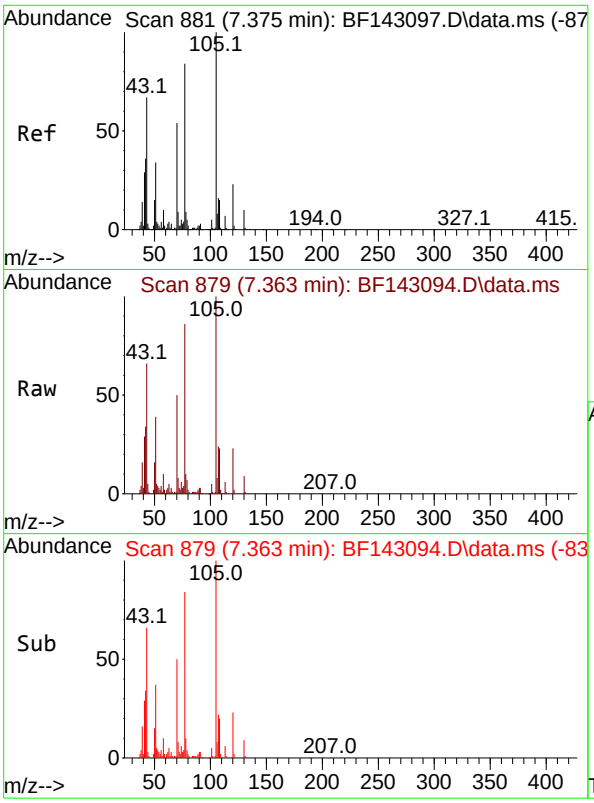


#18
Hexachloroethane
Concen: 4.938 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:117 Resp: 13889

Ion	Ratio	Lower	Upper
117	100		
119	95.7	76.7	115.1
201	95.6	75.0	112.4



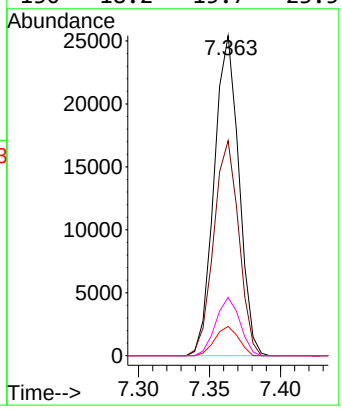


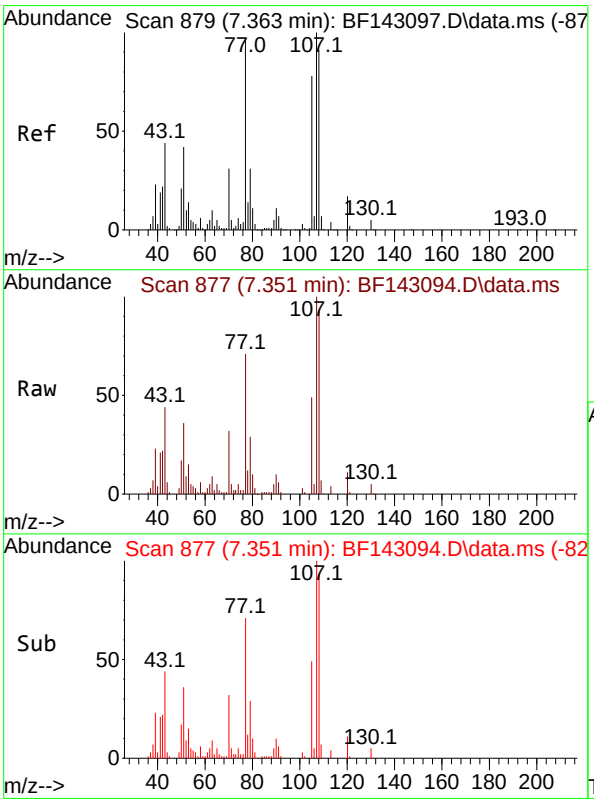
#19
n-Nitroso-di-n-propylamine
Concen: 5.277 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 30747

Ion	Ratio	Lower	Upper
70	100		
42	67.2	53.2	79.8
101	9.1	7.5	11.3
130	18.2	15.7	23.5

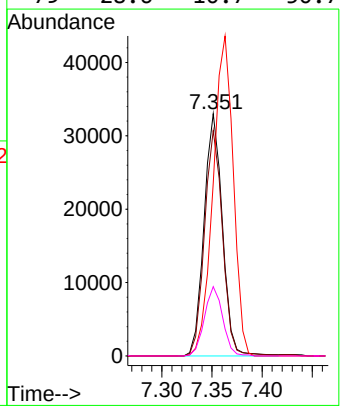


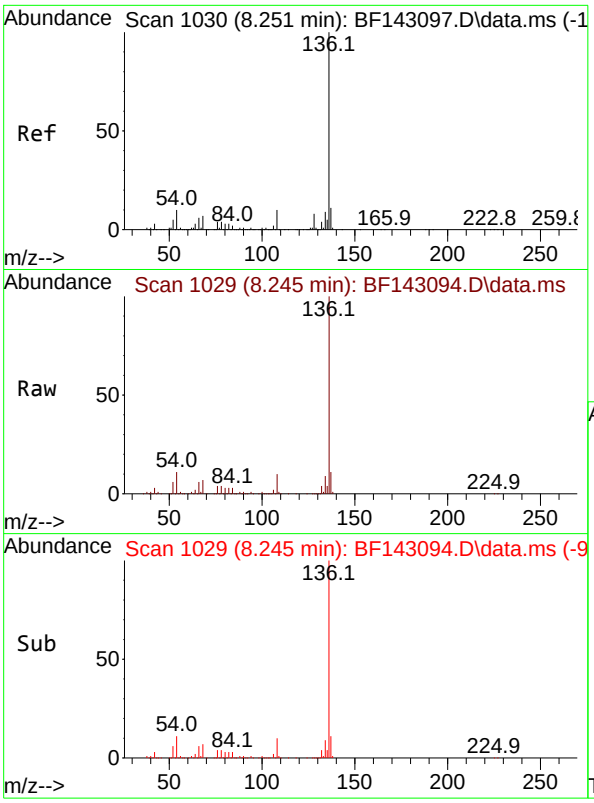


#20
3+4-Methylphenols
Concen: 5.247 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 42205

Ion	Ratio	Lower	Upper
107	100		
108	93.1	71.3	111.3
77	71.4	77.2	117.2#
79	28.6	10.7	50.7



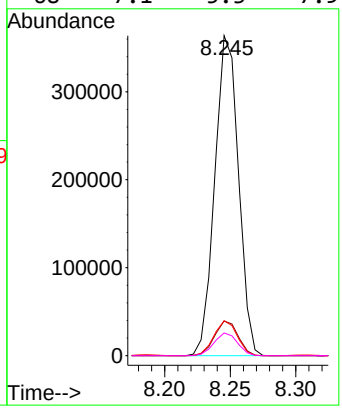


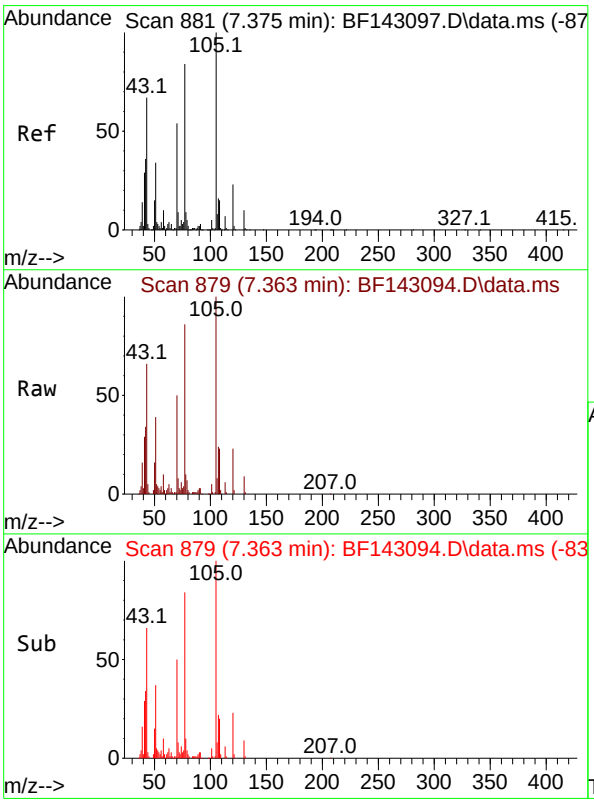
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 456442

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.9	8.3	12.5
68	7.1	5.3	7.9

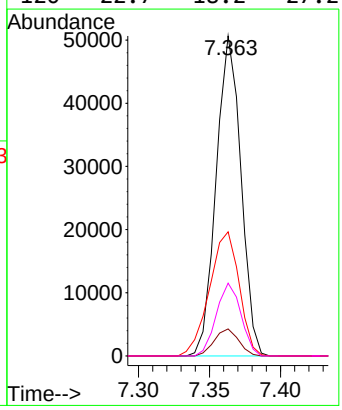


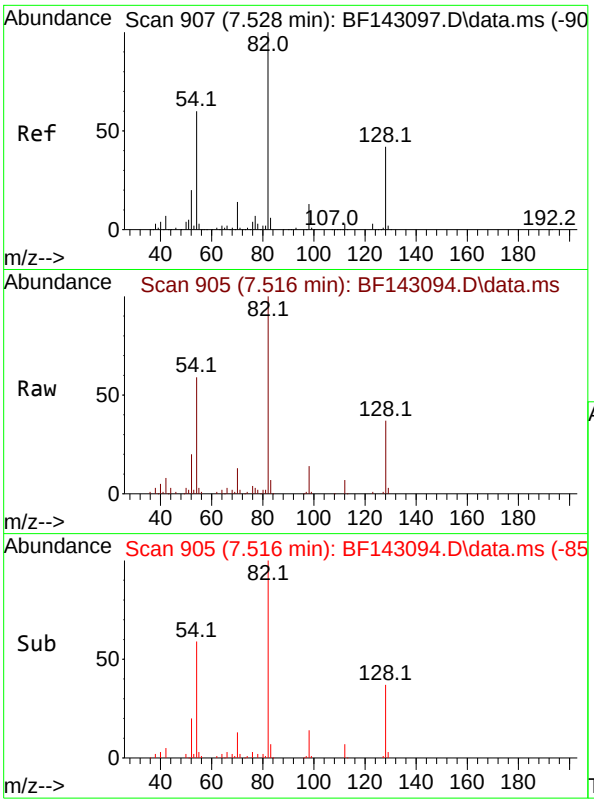


#22
Acetophenone
Concen: 5.580 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:105 Resp: 61393

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.2	10.8
51	38.8	27.0	40.4
120	22.7	18.2	27.2



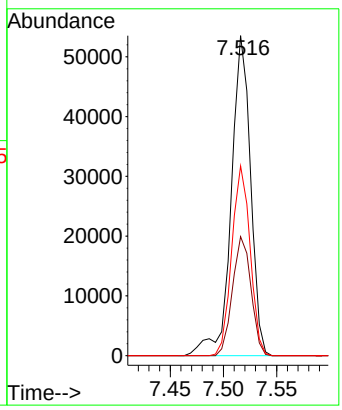


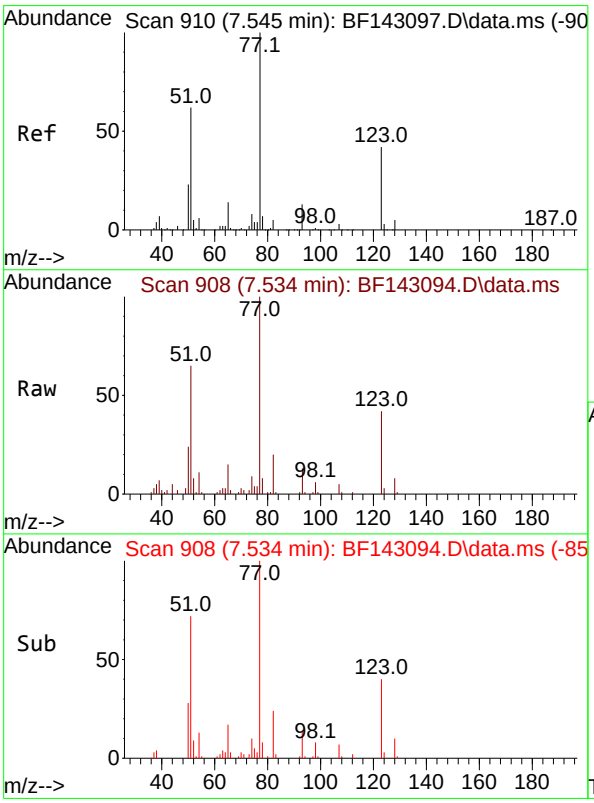
#23
Nitrobenzene-d5
Concen: 8.337 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 67837

Ion	Ratio	Lower	Upper
82	100		
128	37.2	33.3	49.9
54	59.3	47.4	71.2

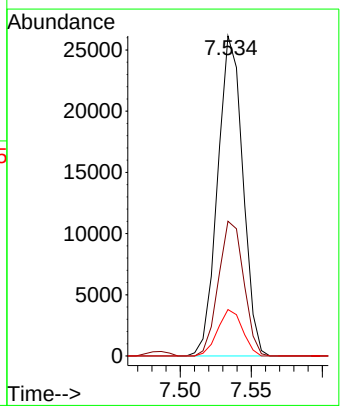


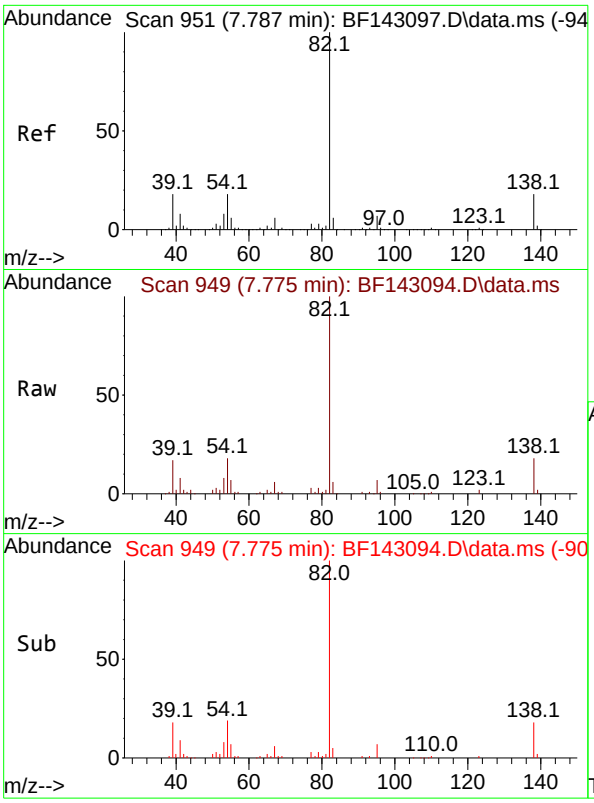


#24
Nitrobenzene
Concen: 4.100 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 77 Resp: 32206

Ion	Ratio	Lower	Upper
77	100		
123	42.1	34.5	51.7
65	14.5	11.3	16.9



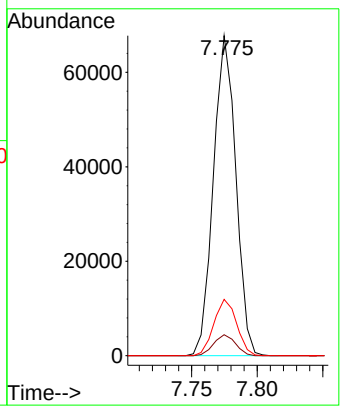


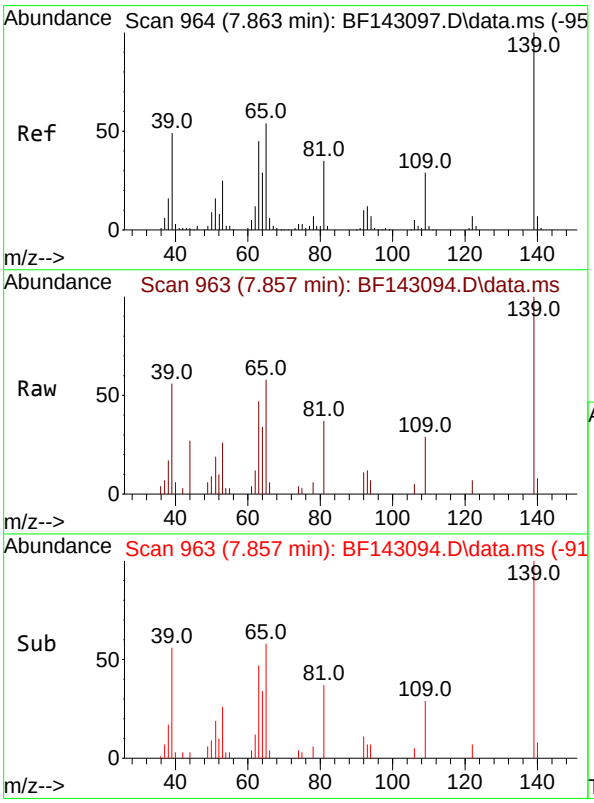
#25
Isophorone
Concen: 5.118 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 80494

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.6	8.4
138	17.6	14.3	21.5

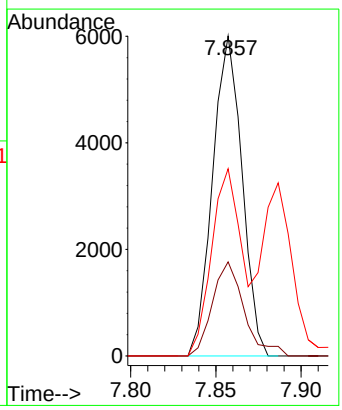


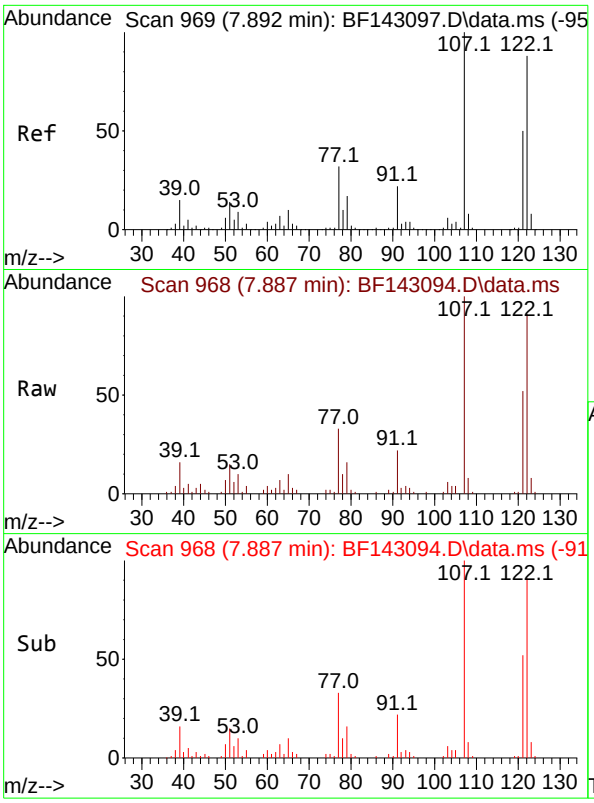


#26
2-Nitrophenol
Concen: 6.037 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:139 Resp: 7204

Ion	Ratio	Lower	Upper
139	100		
109	29.4	23.4	35.0
65	58.5	43.4	65.2



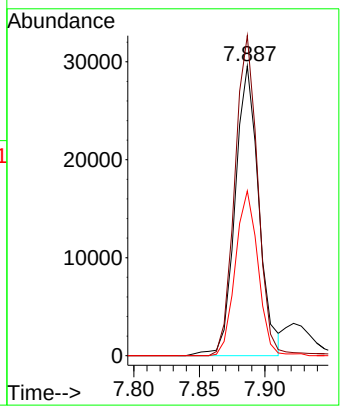


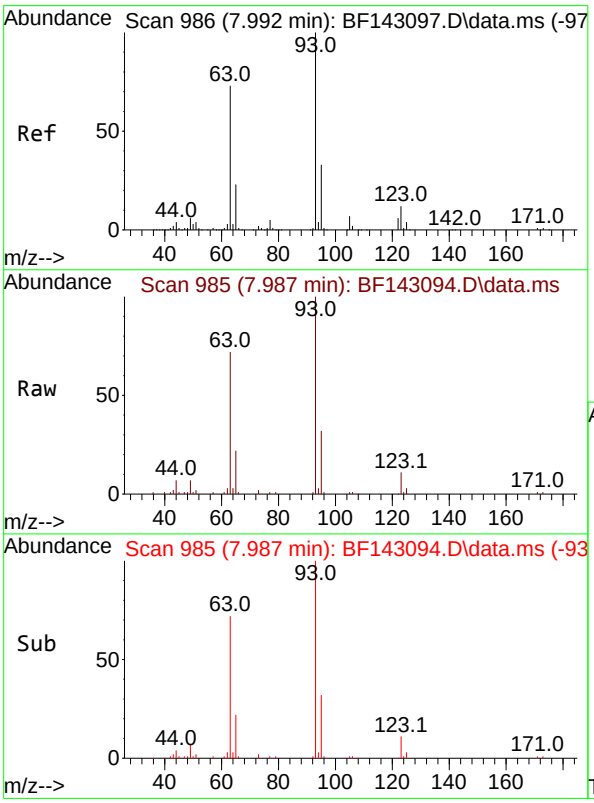
#27
2,4-Dimethylphenol
Concen: 5.082 ng
RT: 7.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 37098

Ion	Ratio	Lower	Upper
122	100		
107	110.4	91.3	136.9
121	56.9	45.5	68.3

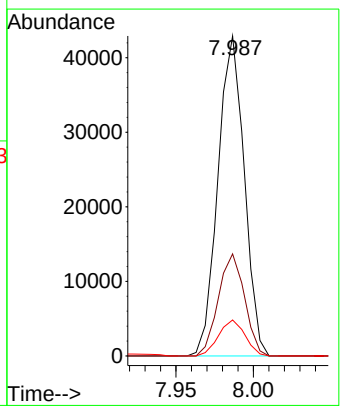


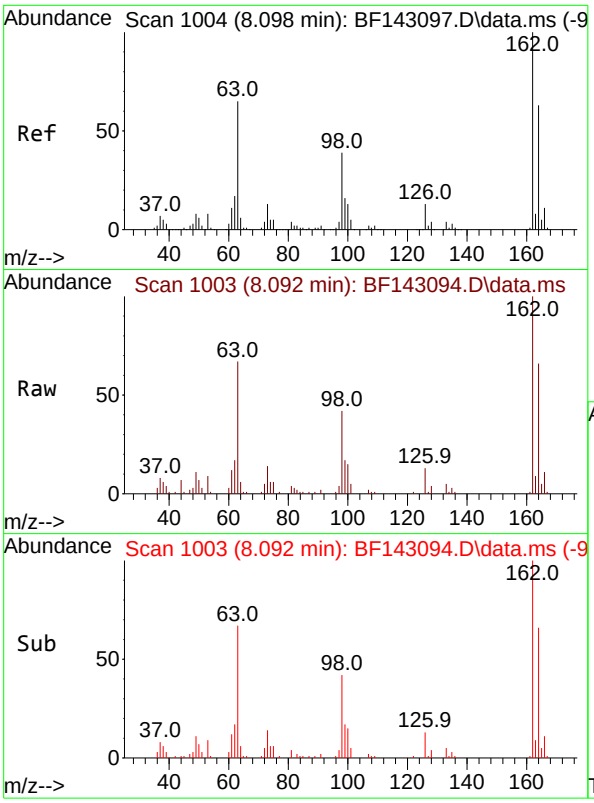


#28
bis(2-Chloroethoxy)methane
Concen: 5.310 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 93 Resp: 50637

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.2	39.4
123	11.2	9.6	14.4



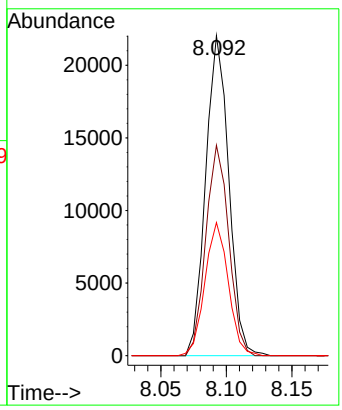


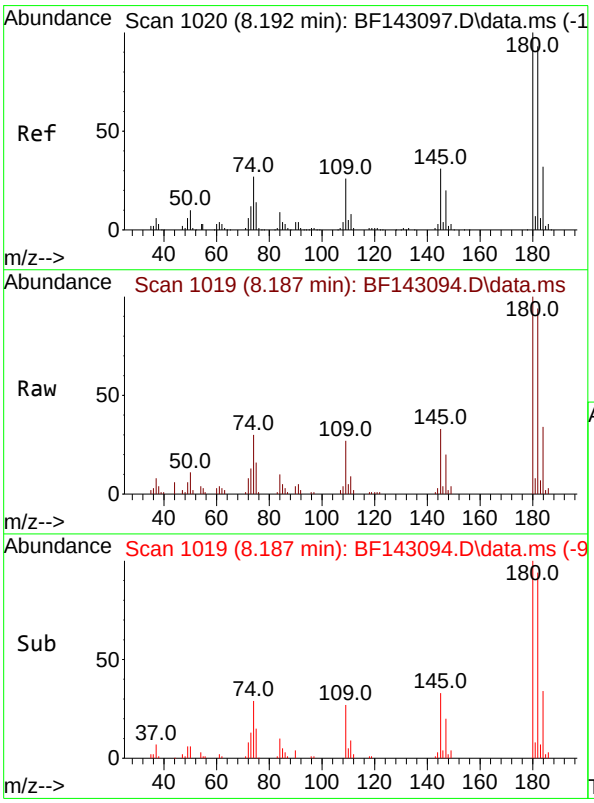
#29
2,4-Dichlorophenol
Concen: 4.529 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 27047

Ion	Ratio	Lower	Upper
162	100		
164	65.7	43.1	83.1
98	41.6	19.2	59.2

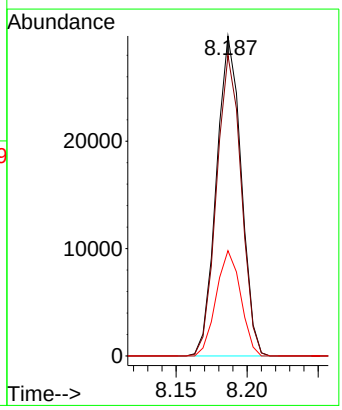


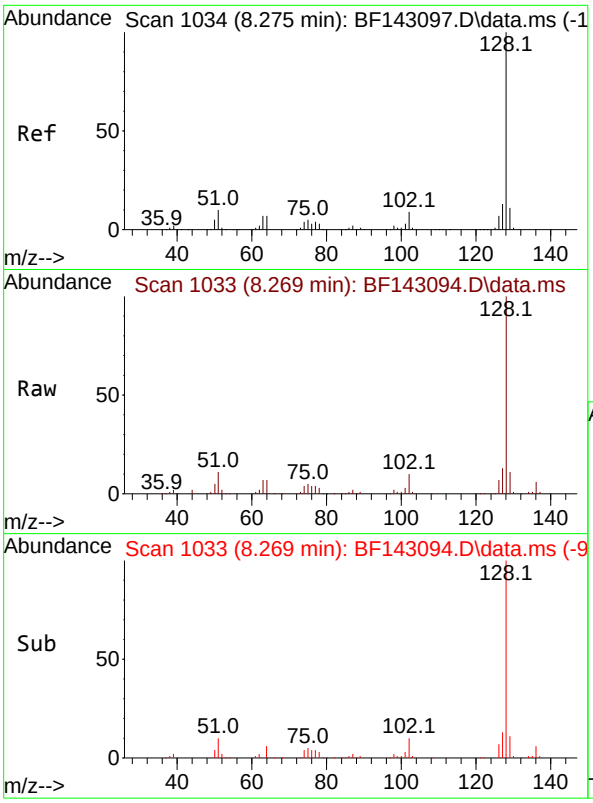


#30
1,2,4-Trichlorobenzene
Concen: 5.315 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:180 Resp: 36023

Ion	Ratio	Lower	Upper
180	100		
182	93.9	74.7	112.1
145	32.9	24.5	36.7



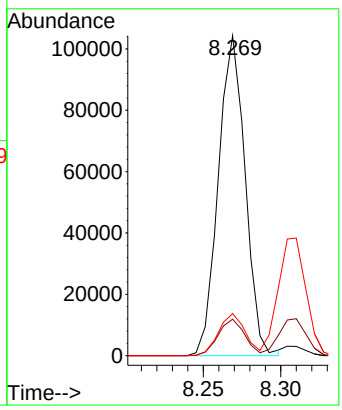


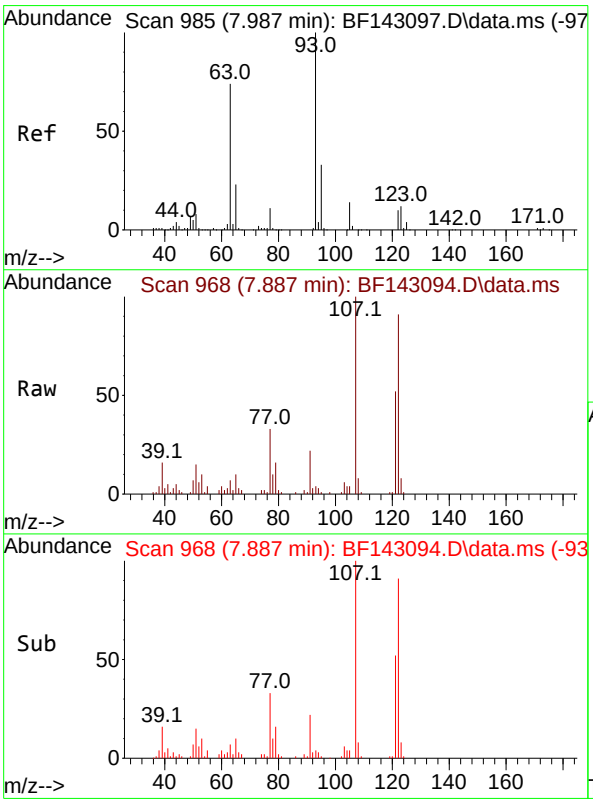
#31
Naphthalene
Concen: 5.535 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 125461

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.2	10.5	15.7

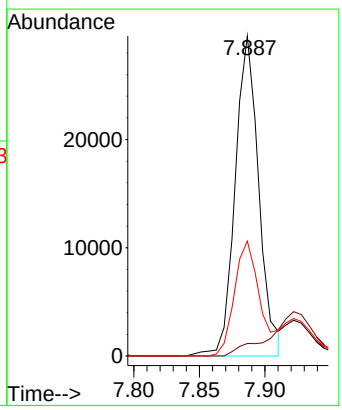


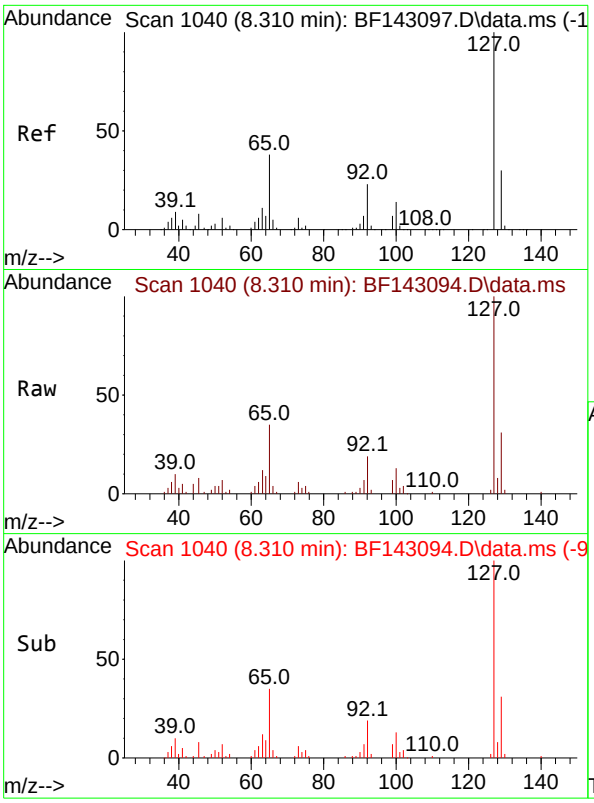


#32
Benzoic acid
Concen: 15.334 ng
RT: 7.887 min Scan# 968
Delta R.T. -0.100 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:122 Resp: 37098

Ion	Ratio	Lower	Upper
122	100		
105	3.9	105.4	145.4#
77	35.9	78.6	118.6#



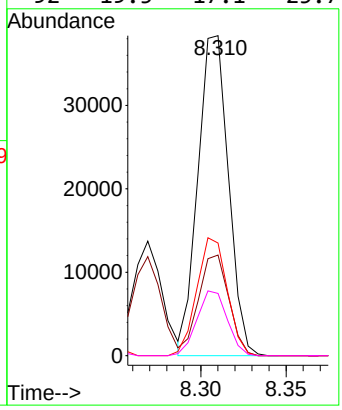


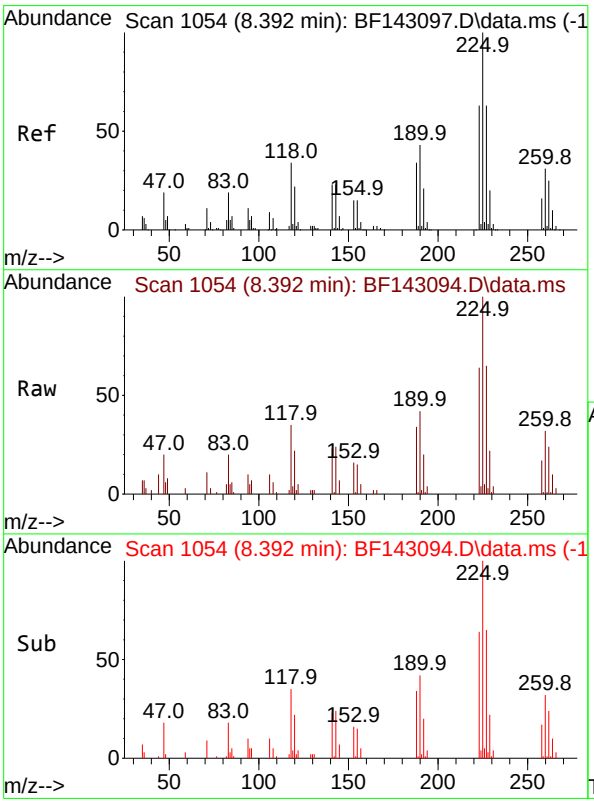
#33
4-Chloroaniline
Concen: 5.260 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 47947

Ion	Ratio	Lower	Upper
127	100		
129	31.4	26.2	39.4
65	35.2	28.6	42.8
92	19.5	17.1	25.7

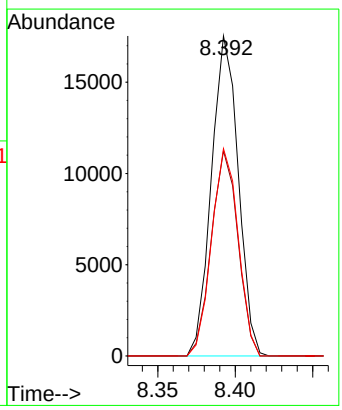


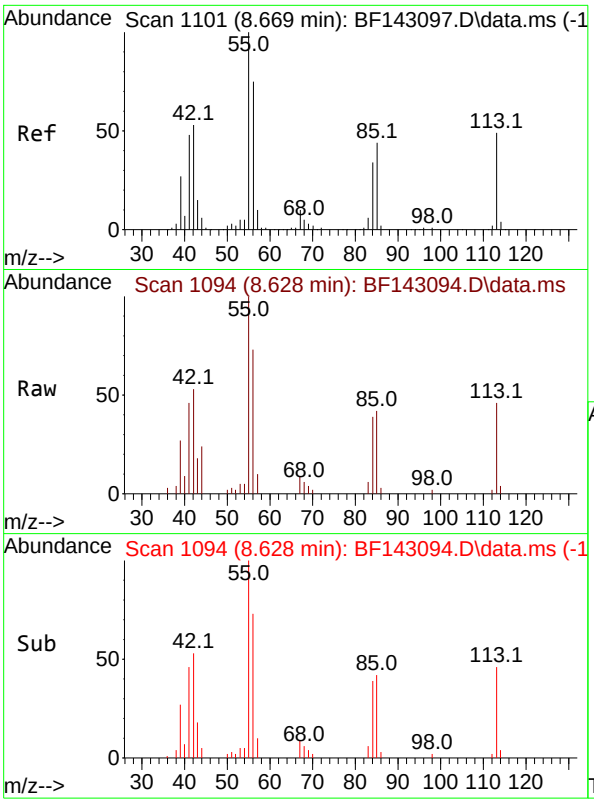


#34
Hexachlorobutadiene
Concen: 5.207 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:225 Resp: 21105

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.3	75.5
227	64.8	50.1	75.1



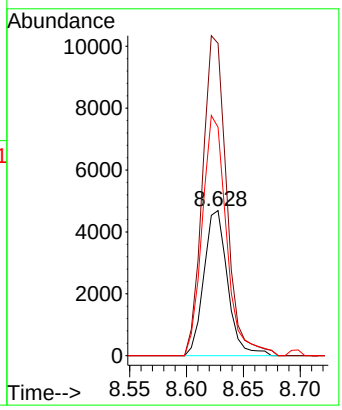


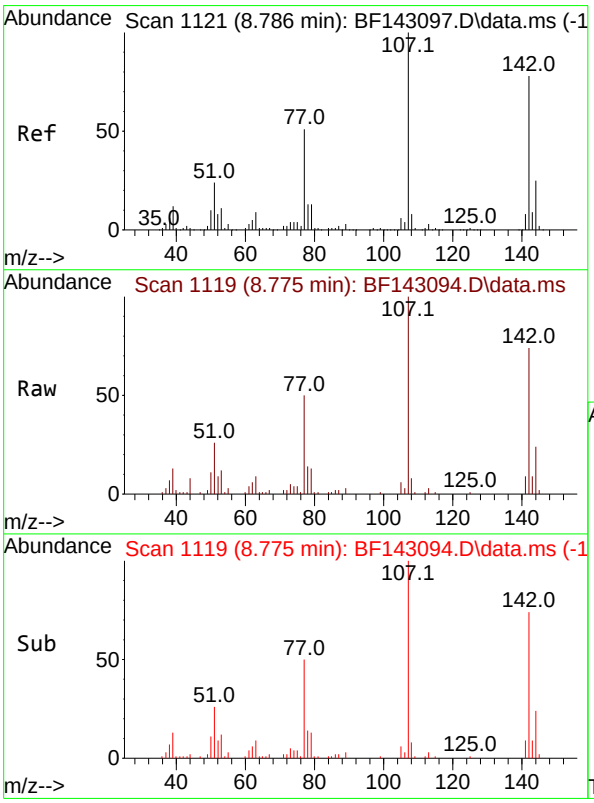
#35
Caprolactam
Concen: 3.653 ng
RT: 8.628 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 6811

Ion	Ratio	Lower	Upper
113	100		
55	215.3	186.2	226.2
56	157.5	134.1	174.1

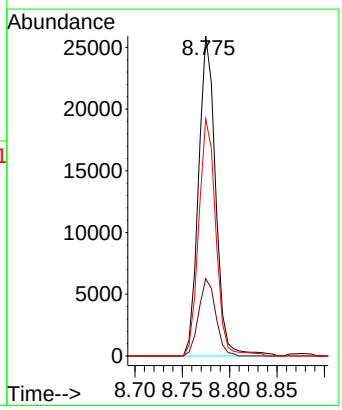


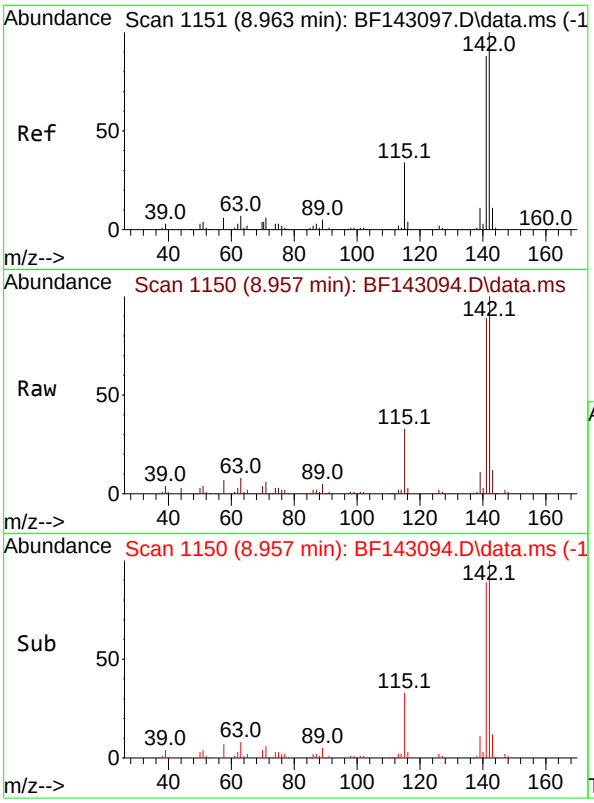


#36
4-Chloro-3-methylphenol
Concen: 4.892 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:107 Resp: 32542

Ion	Ratio	Lower	Upper
107	100		
144	24.1	20.2	30.2
142	74.1	62.4	93.6



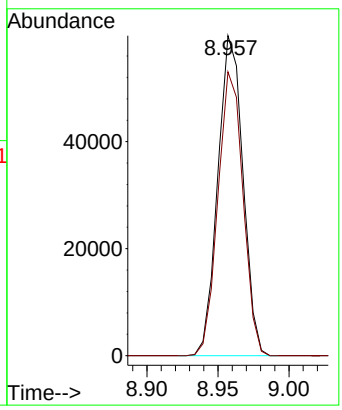


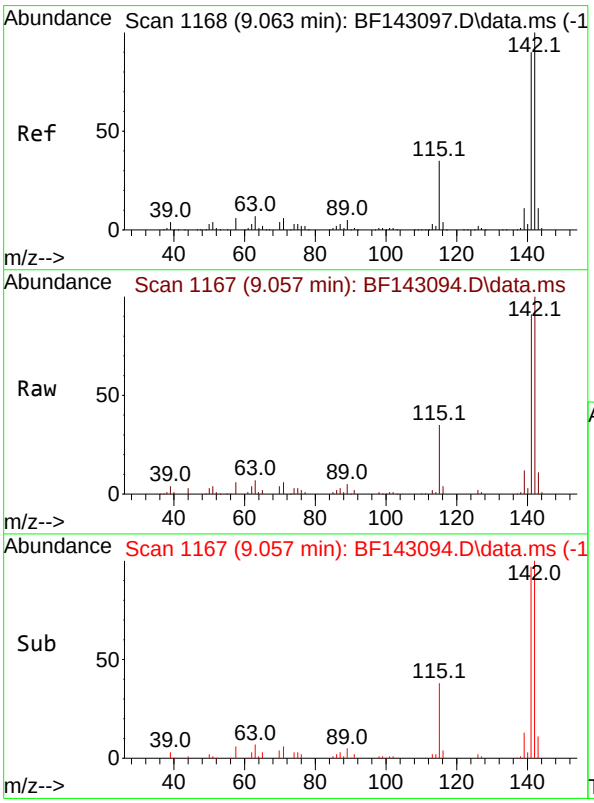
#37
2-Methylnaphthalene
Concen: 5.436 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 73511

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.2	105.2

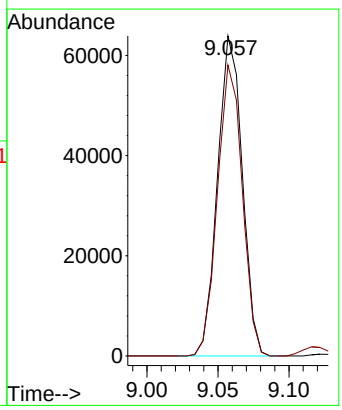


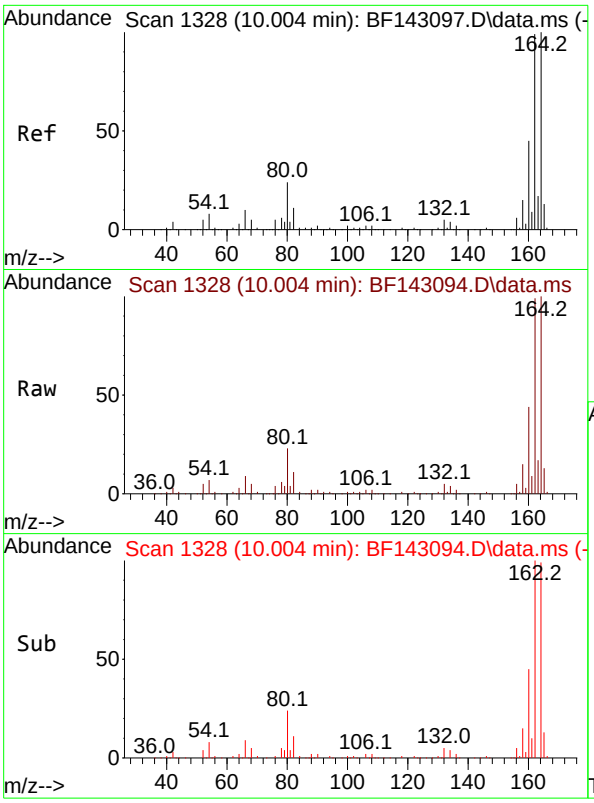


#38
1-Methylnaphthalene
Concen: 5.518 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:142 Resp: 77390

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.2	108.4



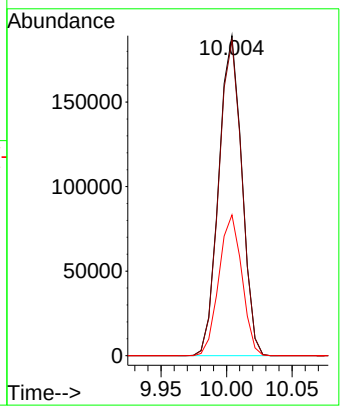


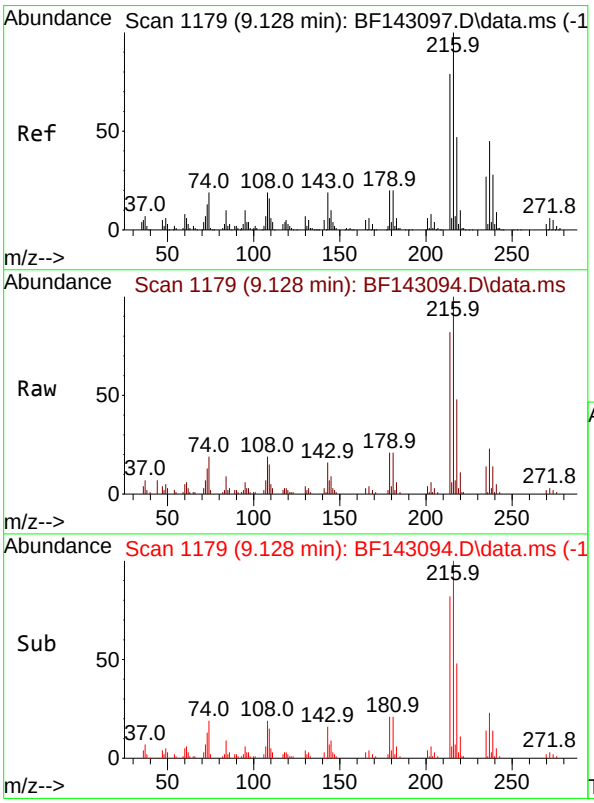
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 230973

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.0	118.6
160	44.0	35.8	53.6

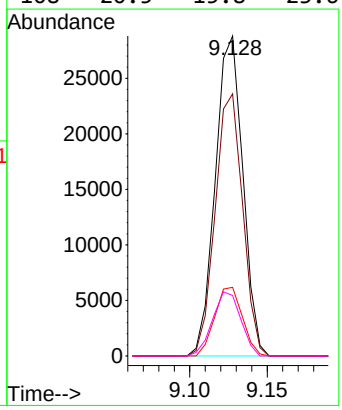


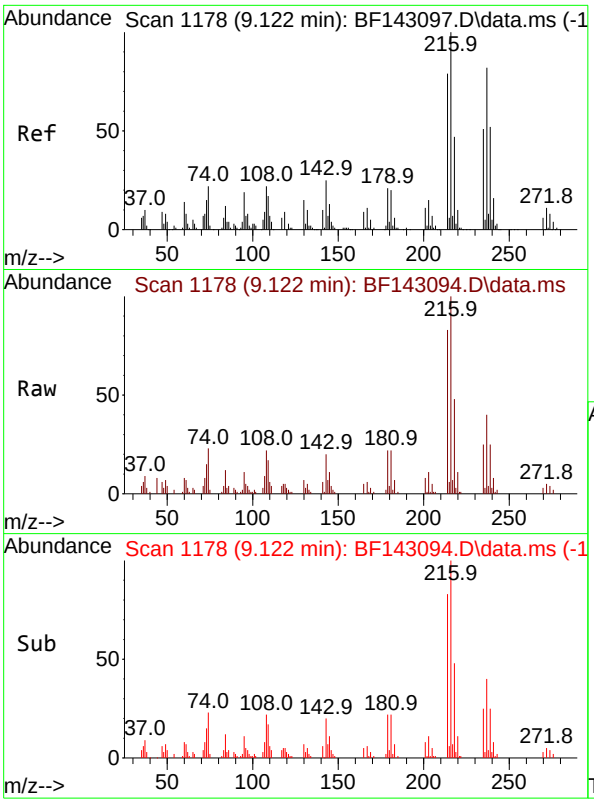


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.286 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:216 Resp: 35579

Ion	Ratio	Lower	Upper
216	100		
214	81.8	62.6	94.0
179	21.6	16.2	24.2
108	20.5	15.8	23.6



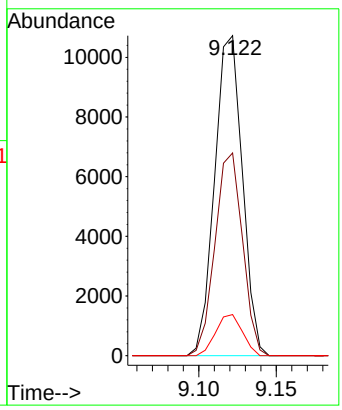


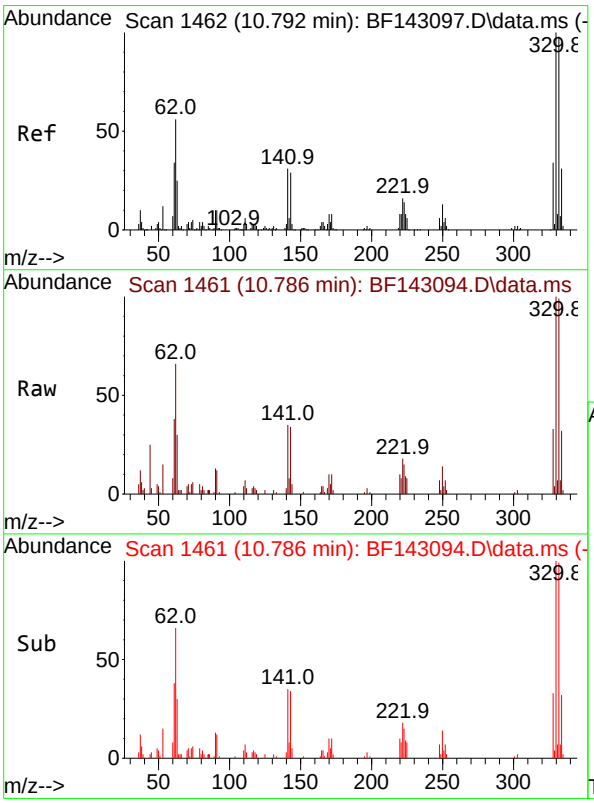
#41
Hexachlorocyclopentadiene
Concen: 3.579 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 13356

Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.6	81.6
272	12.8	0.0	32.9

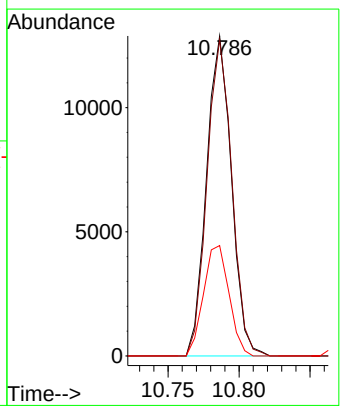


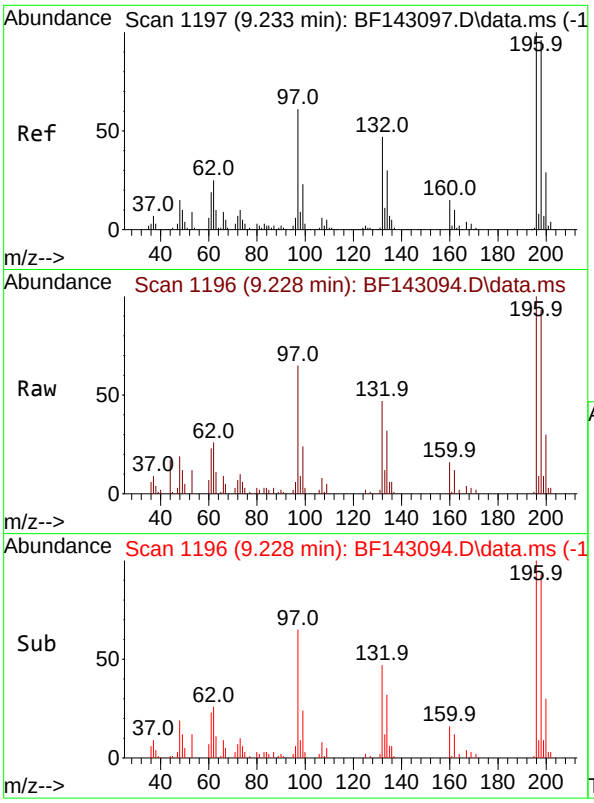


#42
2,4,6-Tribromophenol
Concen: 7.625 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:330 Resp: 15703

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.9	116.9
141	35.3	25.9	38.9



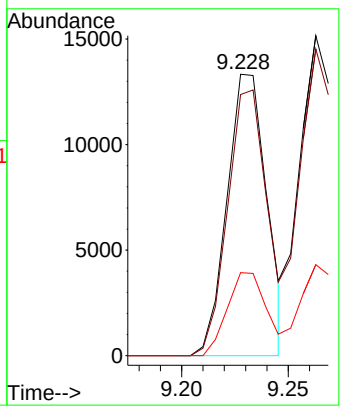


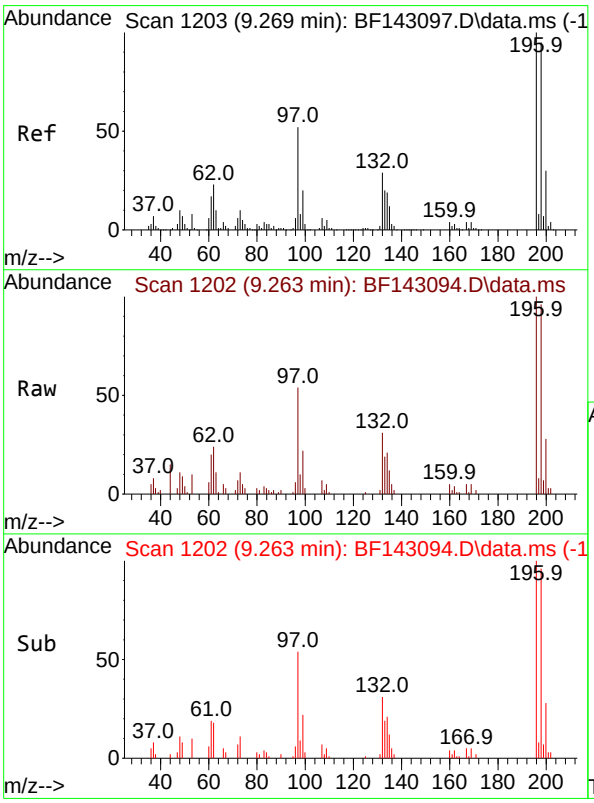
#43
2,4,6-Trichlorophenol
Concen: 4.135 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 17295

Ion	Ratio	Lower	Upper
196	100		
198	92.8	76.9	115.3
200	29.5	23.5	35.3

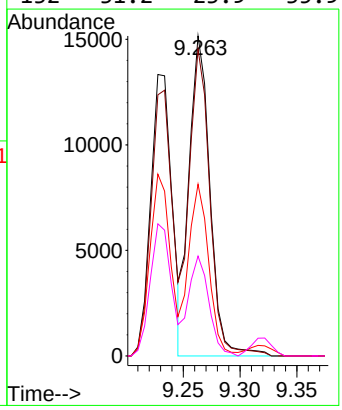


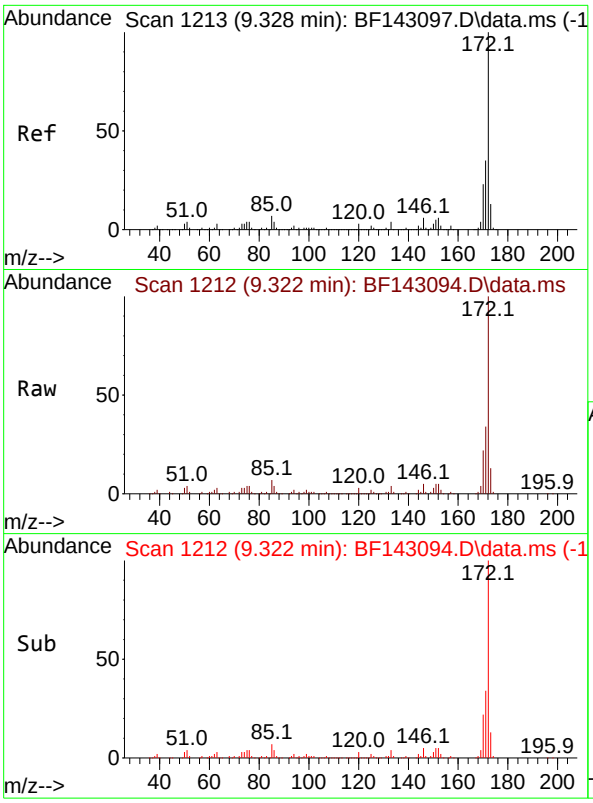


#44
2,4,5-Trichlorophenol
Concen: 4.427 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:196 Resp: 19416

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.4	114.6
97	53.7	42.4	63.6
132	31.2	23.9	35.9



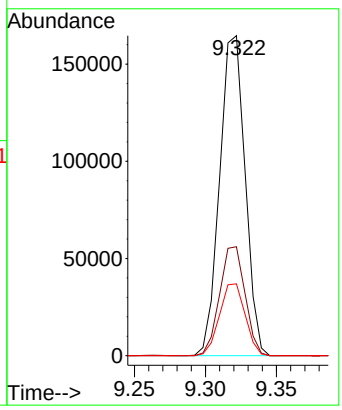


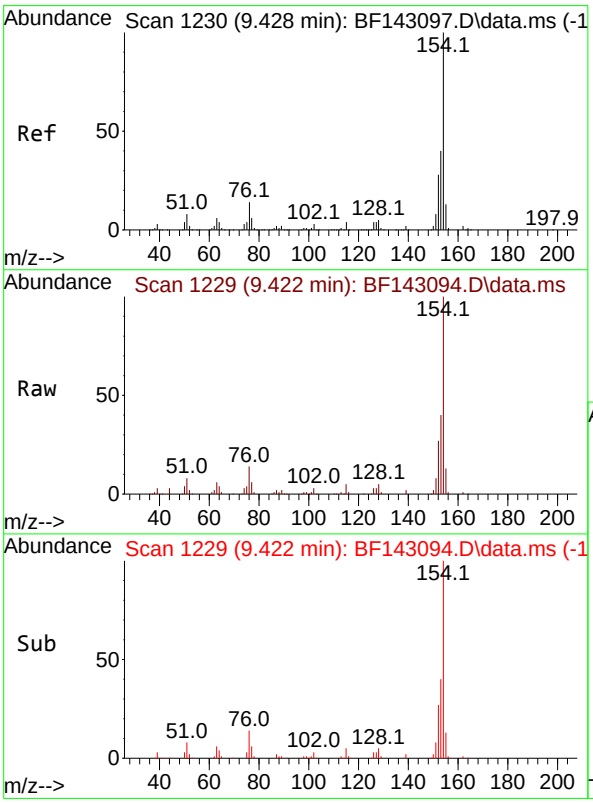
#45
2-Fluorobiphenyl
Concen: 11.814 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 205273

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.4
170	22.5	18.6	28.0

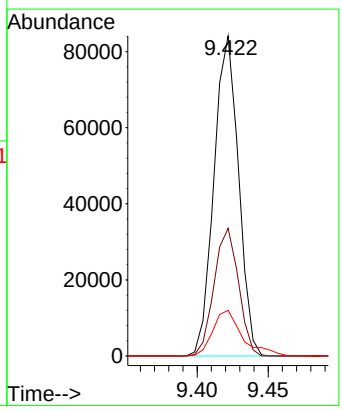


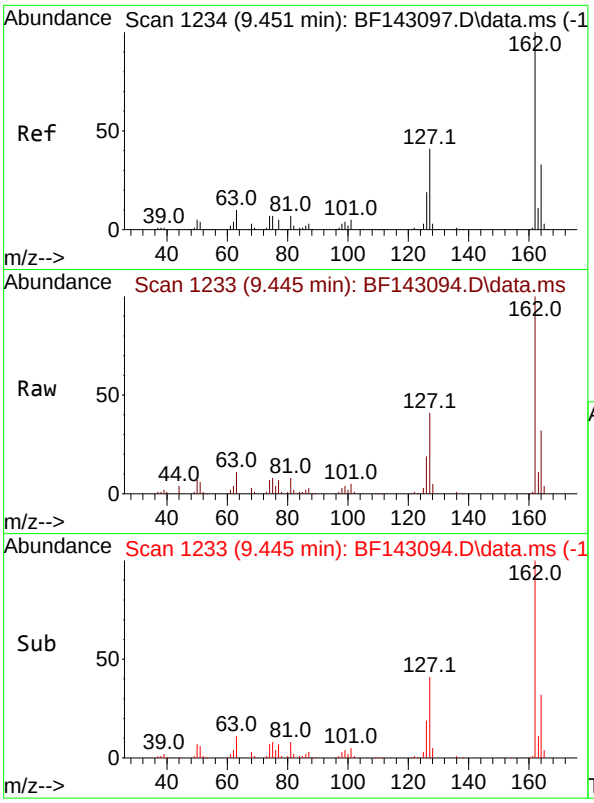


#46
1,1'-Biphenyl
Concen: 5.486 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:154 Resp: 101056

Ion	Ratio	Lower	Upper
154	100		
153	39.9	20.1	60.1
76	14.2	0.0	33.7



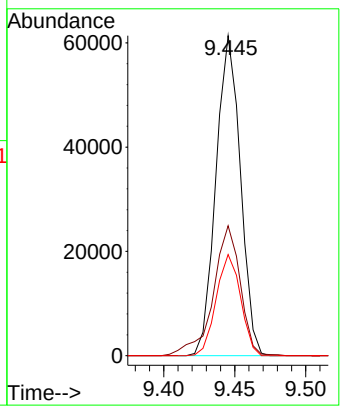


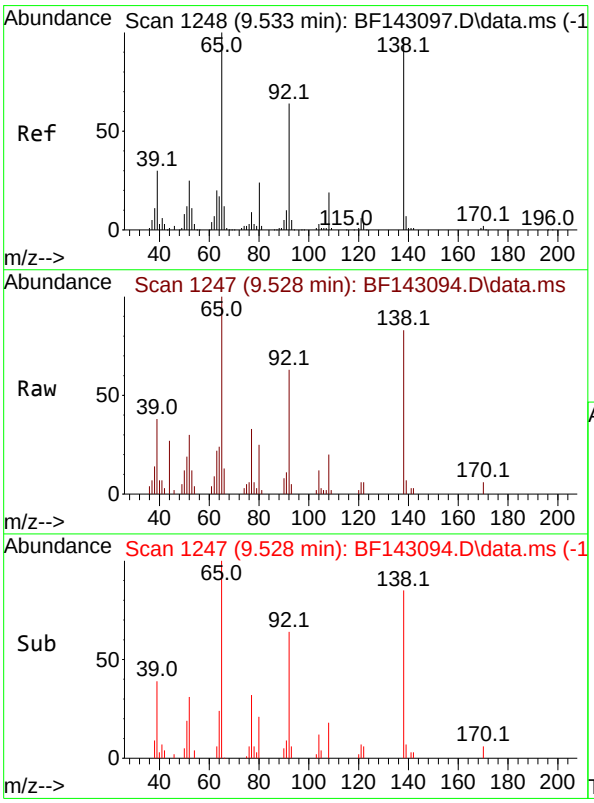
#47
2-Chloronaphthalene
Concen: 5.423 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 73385

Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.0	49.6
164	31.6	26.1	39.1

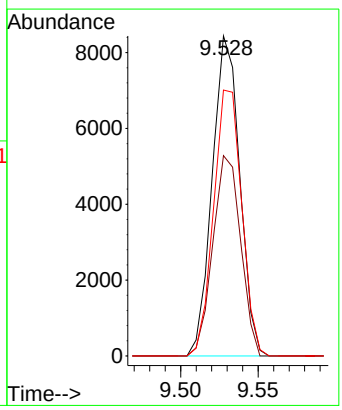


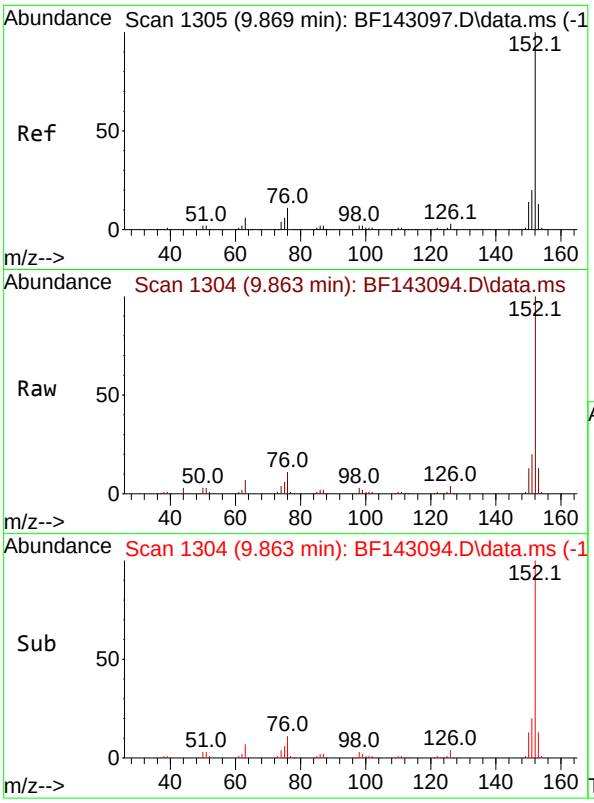


#48
2-Nitroaniline
Concen: 5.579 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.005 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion: 65 Resp: 10398

Ion	Ratio	Lower	Upper
65	100		
92	62.6	51.3	76.9
138	83.1	77.8	116.6



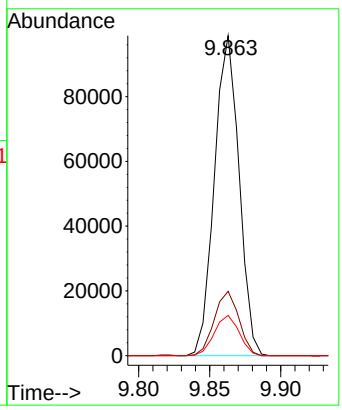


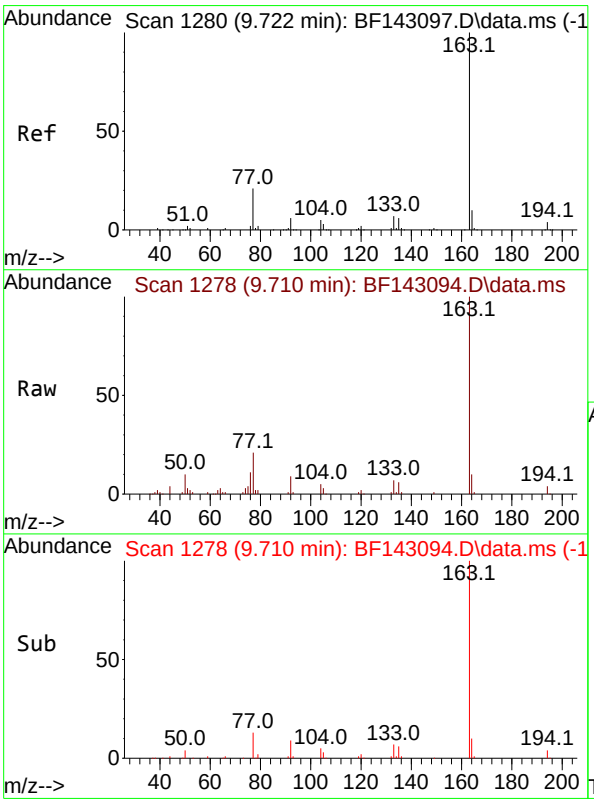
#49
Acenaphthylene
Concen: 5.276 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 118965

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	12.6	10.4	15.6

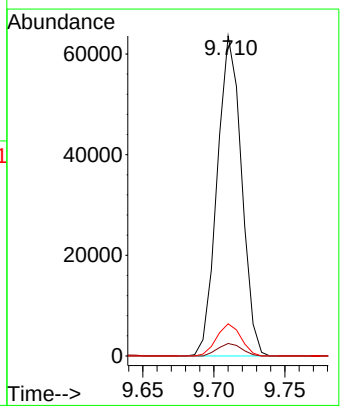


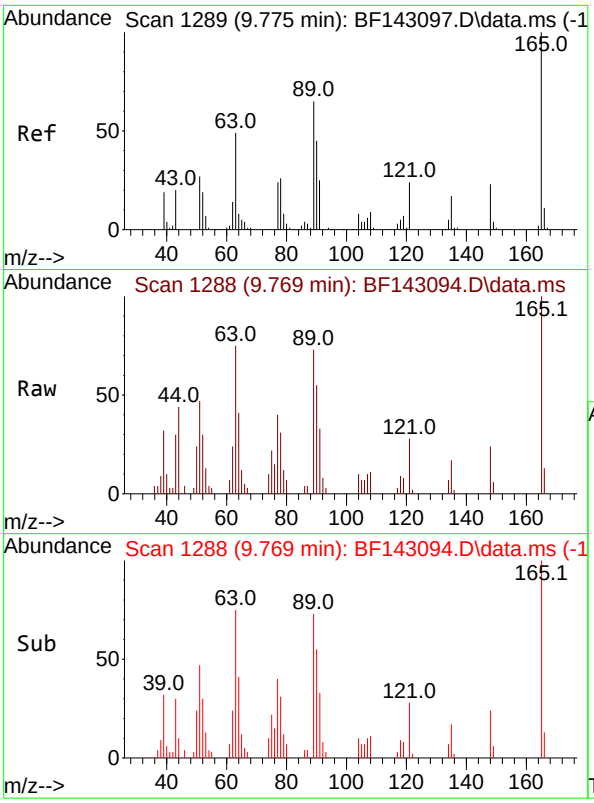


#50
Dimethylphthalate
Concen: 5.207 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:163 Resp: 75659

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.4	5.2
164	10.1	8.2	12.2



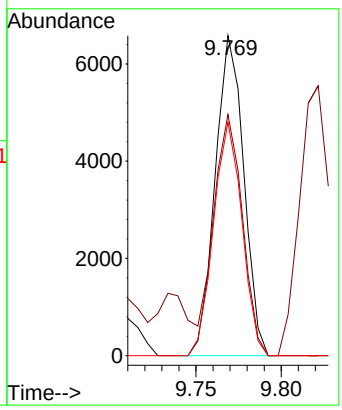


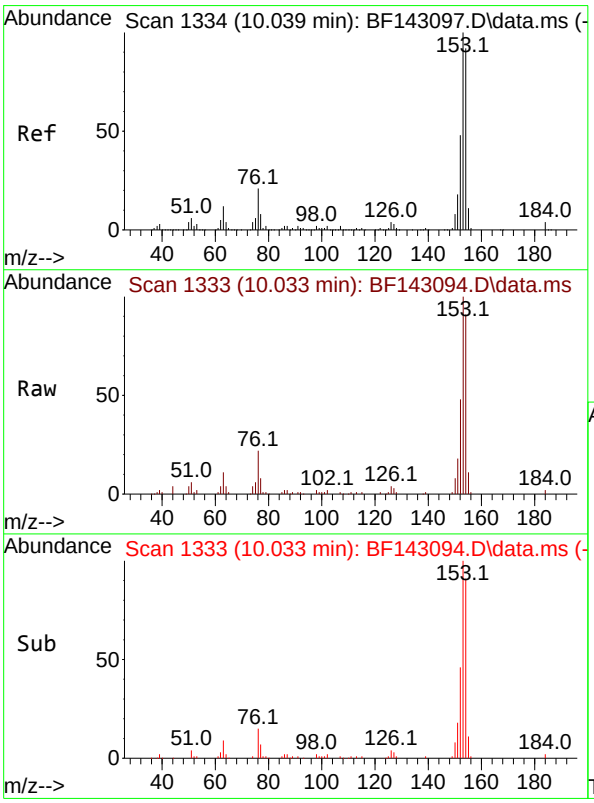
#51
2,6-Dinitrotoluene
Concen: 5.308 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 7659

Ion	Ratio	Lower	Upper
165	100		
63	75.4	57.4	86.0
89	72.9	51.8	77.8

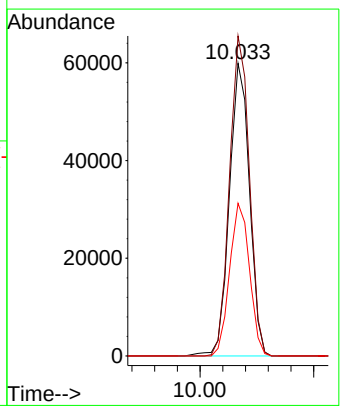


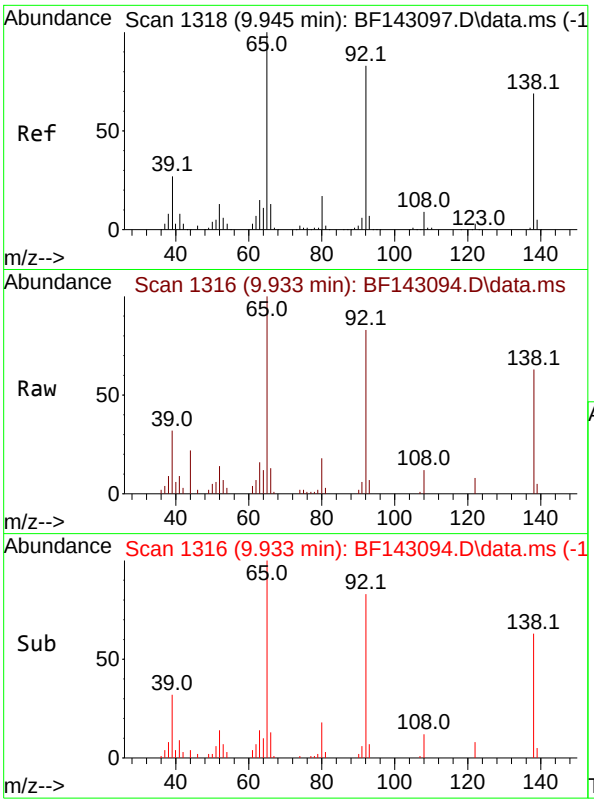


#52
Acenaphthene
Concen: 5.526 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:154 Resp: 73531

Ion	Ratio	Lower	Upper
154	100		
153	109.4	86.7	130.1
152	52.2	41.4	62.2



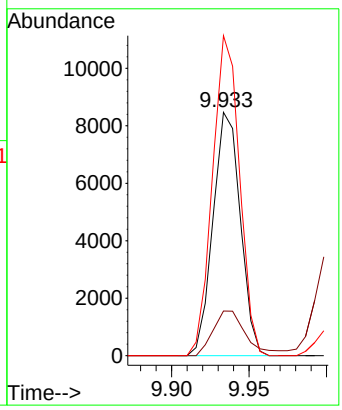


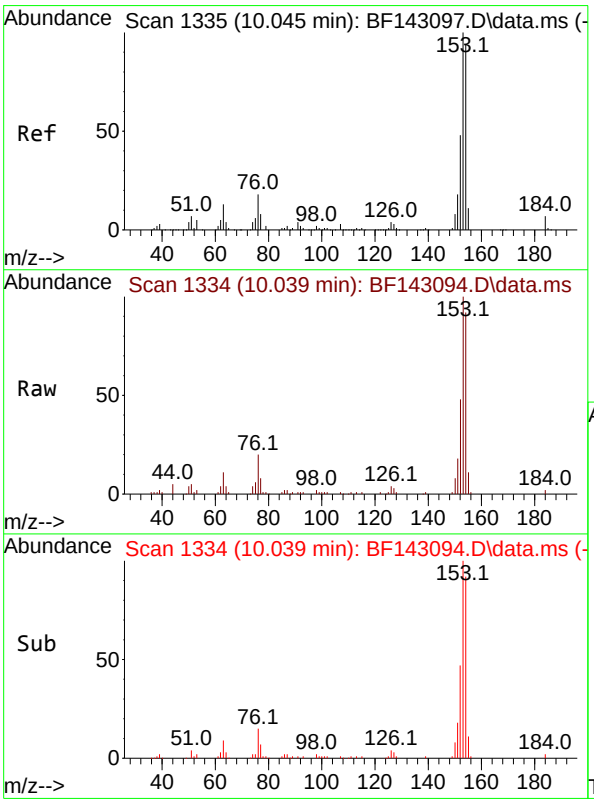
#53
3-Nitroaniline
Concen: 3.307 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 10382

Ion	Ratio	Lower	Upper
138	100		
108	18.3	10.1	15.1#
92	131.5	96.4	144.6

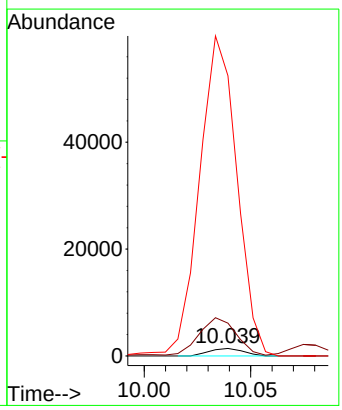


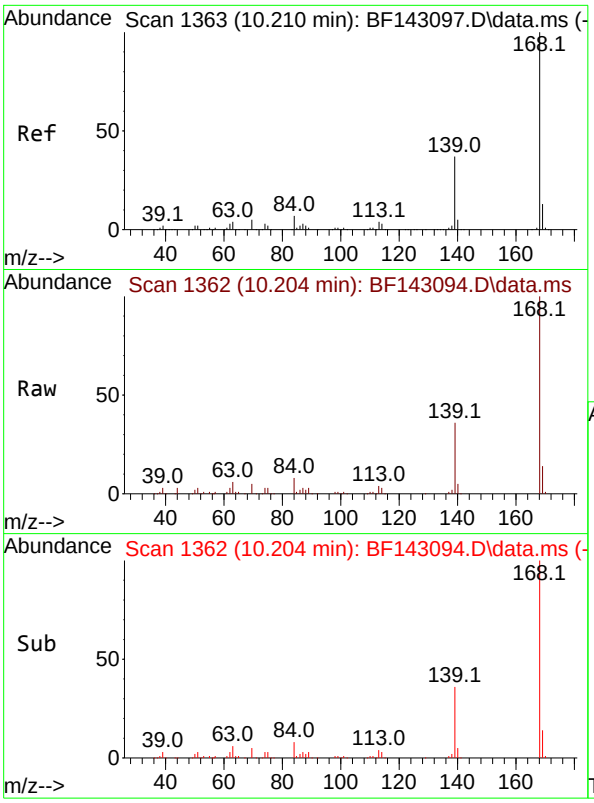


#54
2,4-Dinitrophenol
Concen: 6.786 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:184 Resp: 1579

Ion	Ratio	Lower	Upper
184	100		
63	432.7	149.3	223.9#
154	3700.8	1048.0	1572.0#



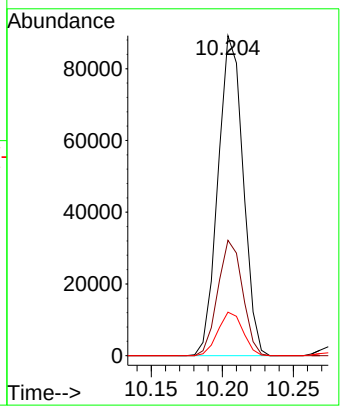


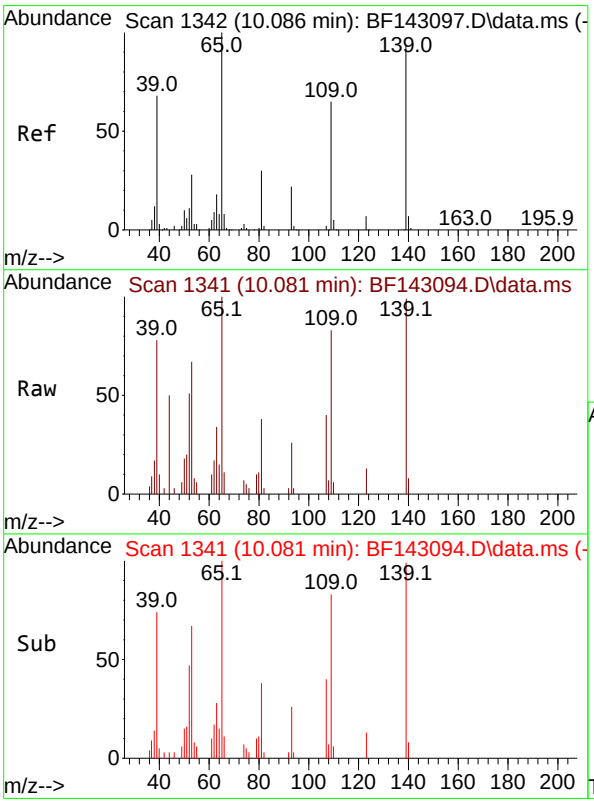
#55
Dibenzofuran
Concen: 5.518 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 109432

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.8	44.6
169	13.6	10.8	16.2

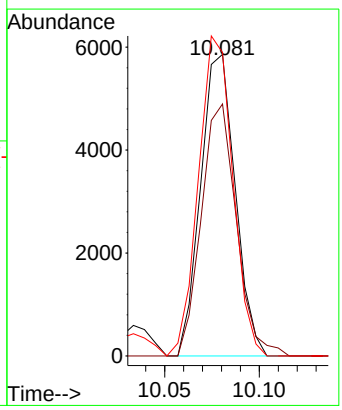


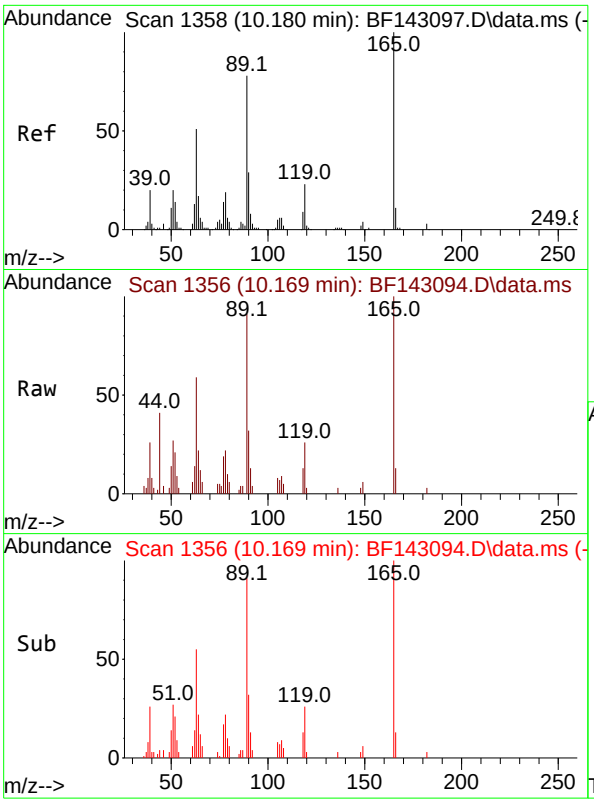


#56
4-Nitrophenol
Concen: 2.986 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:139 Resp: 7451

Ion	Ratio	Lower	Upper
139	100		
109	83.6	49.4	89.4
65	100.6	88.2	128.2



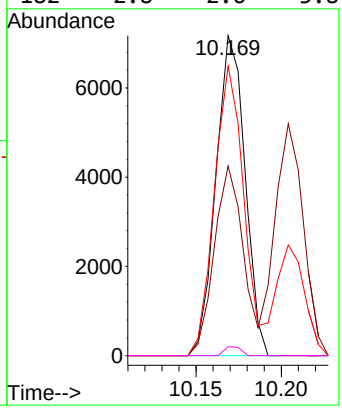


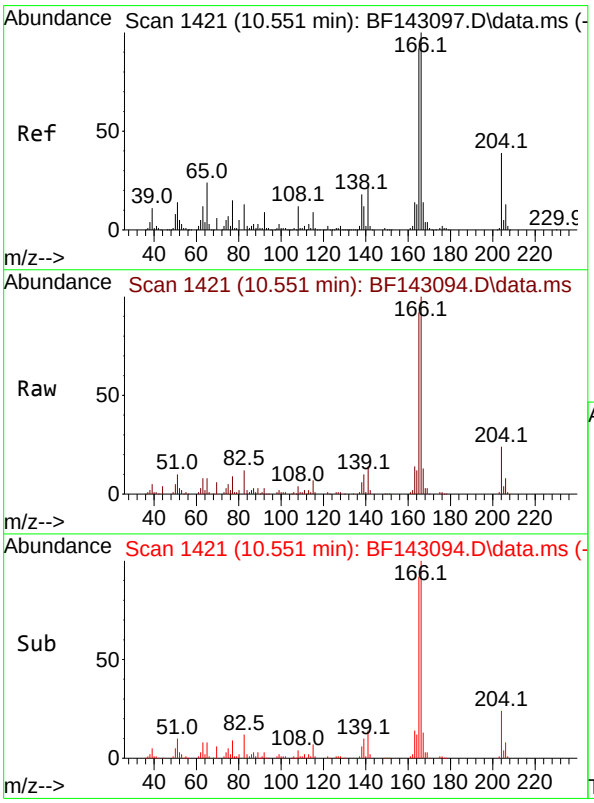
#57
2,4-Dinitrotoluene
Concen: 5.606 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 8515

Ion	Ratio	Lower	Upper
165	100		
63	59.3	40.6	61.0
89	90.5	62.3	93.5
182	2.8	2.6	3.8

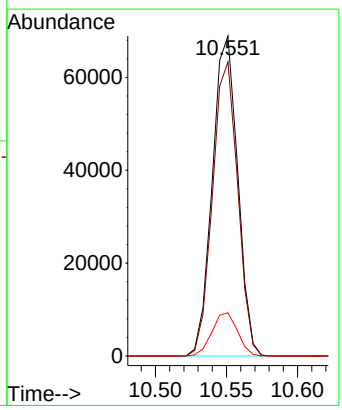


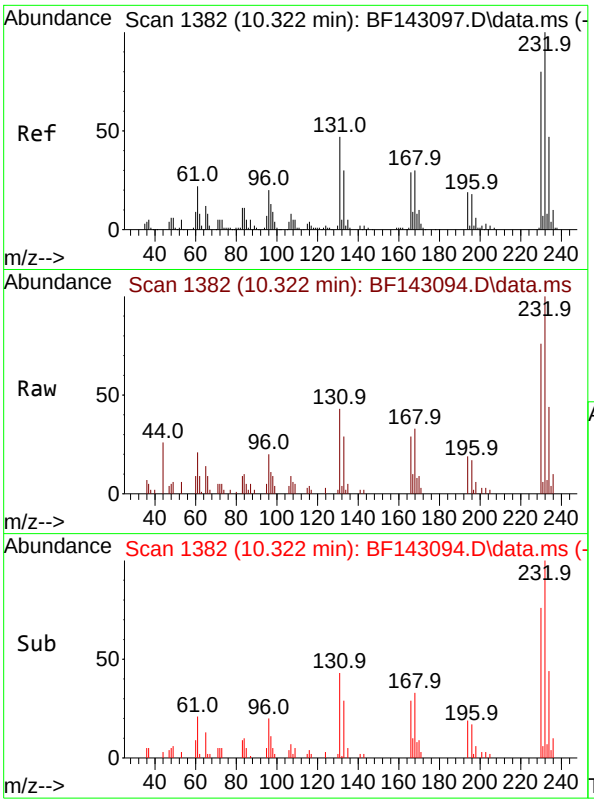


#58
Fluorene
Concen: 5.738 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:166 Resp: 85318

Ion	Ratio	Lower	Upper
166	100		
165	91.9	73.7	110.5
167	13.5	10.9	16.3



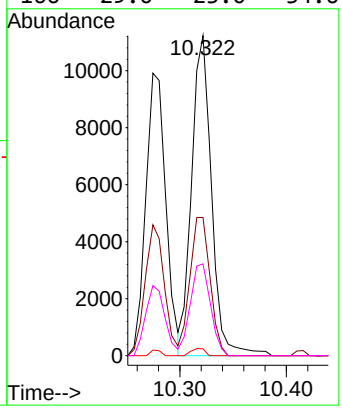


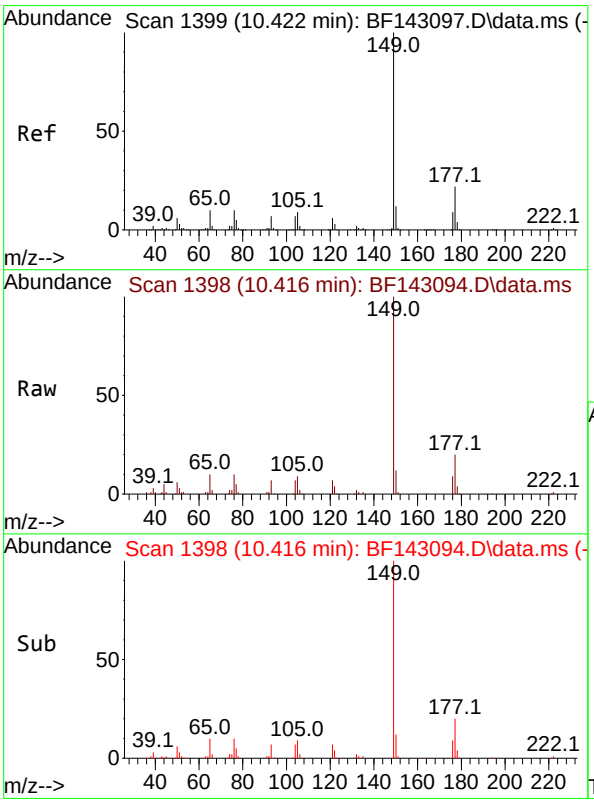
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.192 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 14610

Ion	Ratio	Lower	Upper
232	100		
131	43.7	36.9	55.3
130	1.5	1.8	2.8#
166	29.0	23.0	34.6

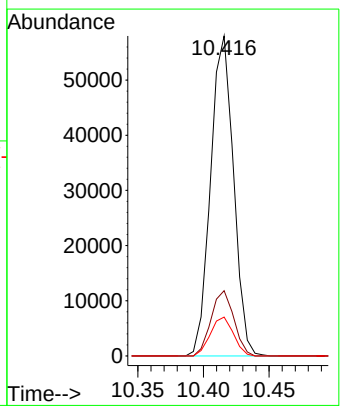


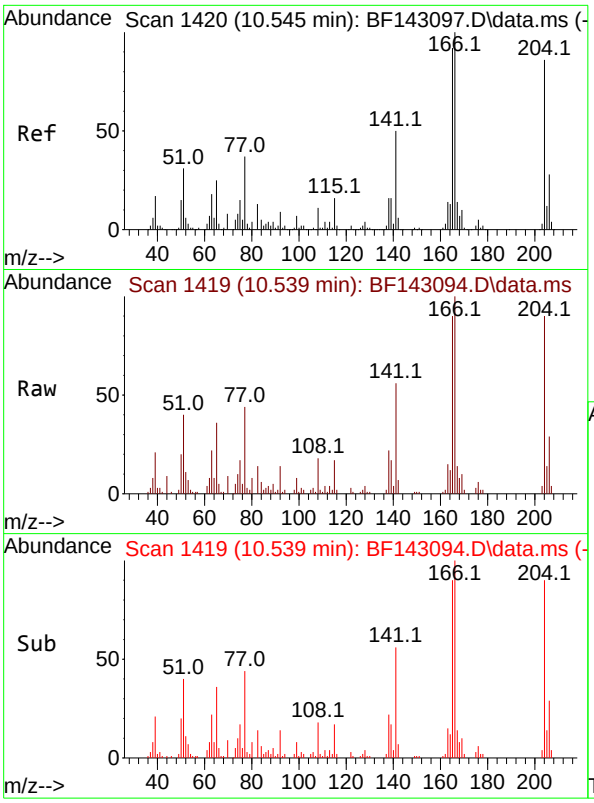


#60
Diethylphthalate
Concen: 5.031 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 70533

Ion	Ratio	Lower	Upper
149	100		
177	20.4	17.3	25.9
150	12.1	9.9	14.9



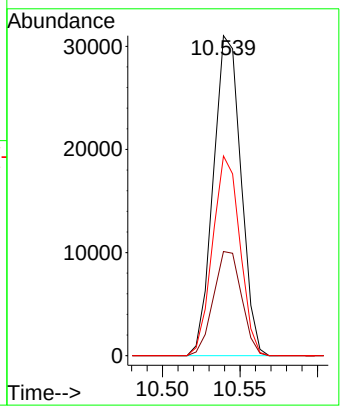


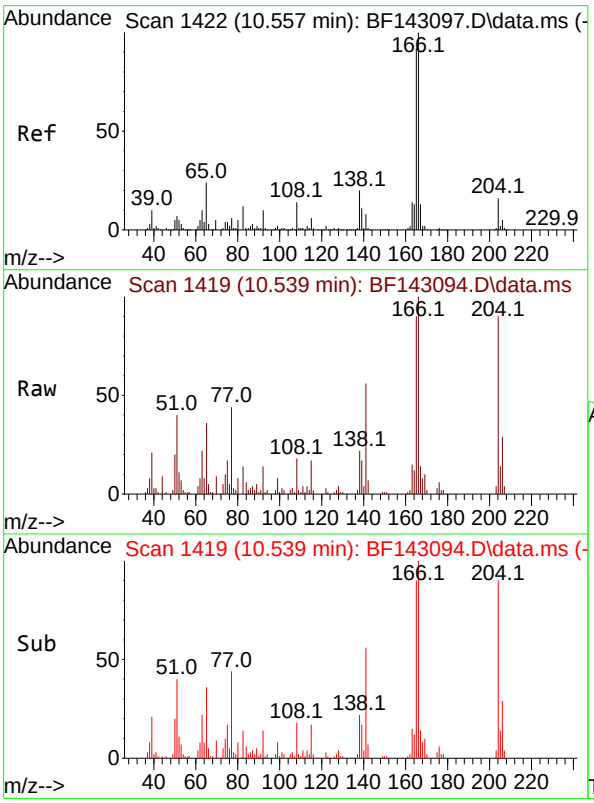
#61
4-Chlorophenyl-phenylether
Concen: 5.395 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 38452

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	62.4	46.8	70.2

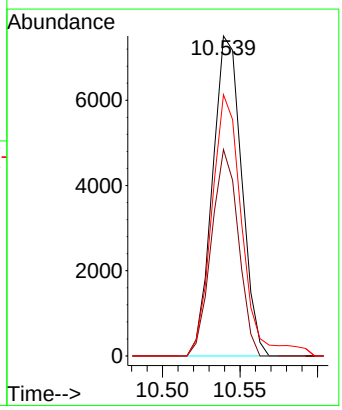


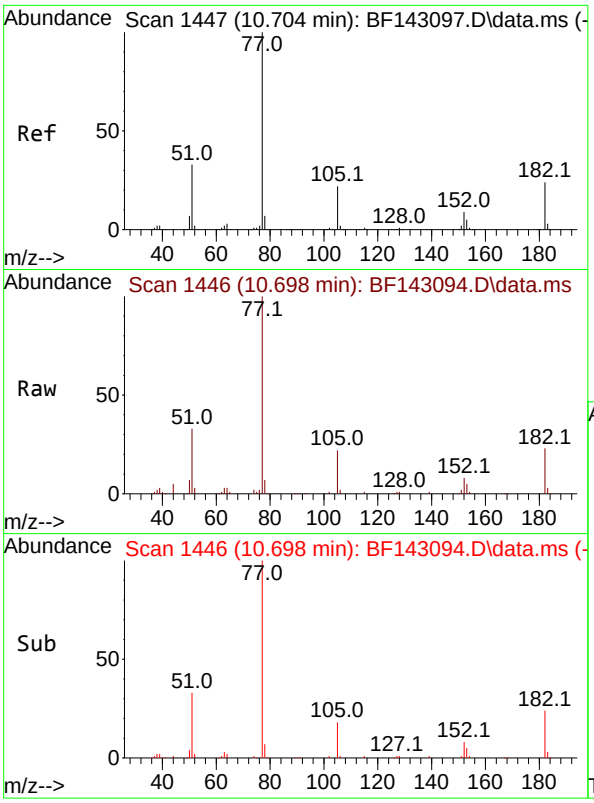


#62
4-Nitroaniline
Concen: 3.581 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:138 Resp: 9779

Ion	Ratio	Lower	Upper
138	100		
92	64.5	30.4	70.4
108	81.6	49.5	89.5



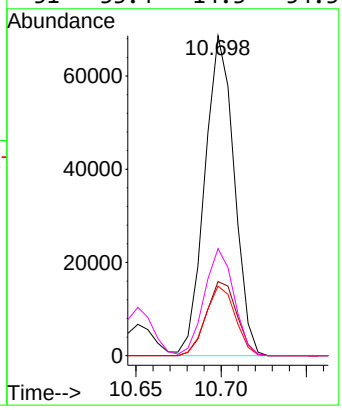


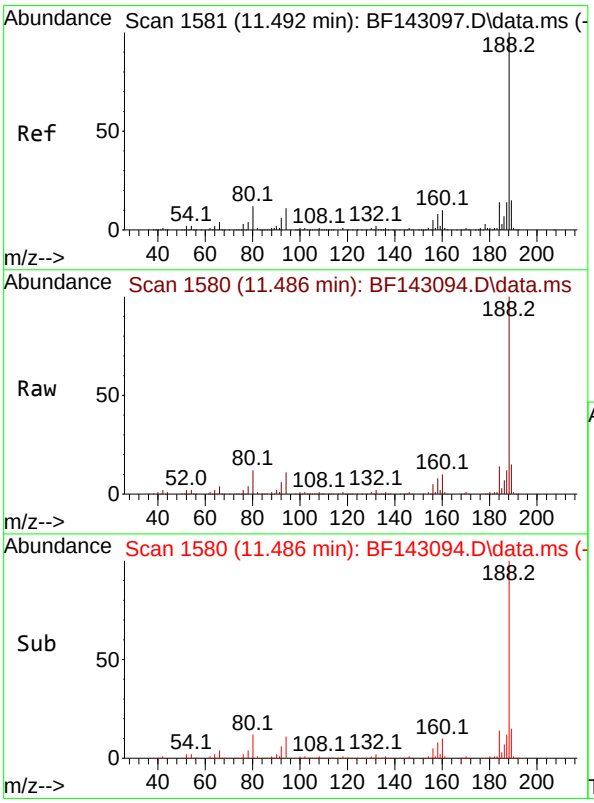
#63
Azobenzene
Concen: 5.308 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 82291

Ion	Ratio	Lower	Upper
77	100		
182	23.1	4.0	44.0
105	21.8	1.4	41.4
51	33.4	14.3	54.3

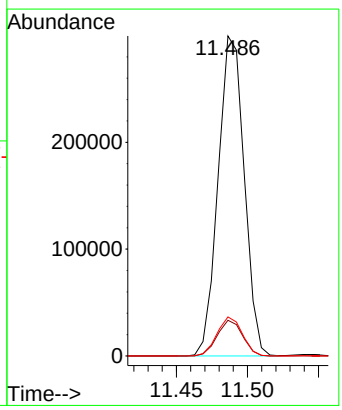


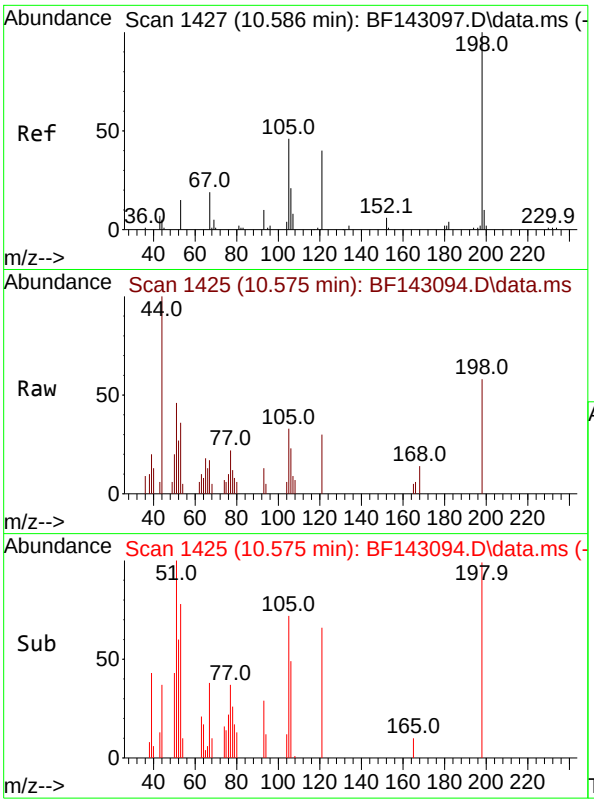


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:188 Resp: 382578

Ion	Ratio	Lower	Upper
188	100		
94	11.2	8.6	13.0
80	12.2	9.3	13.9



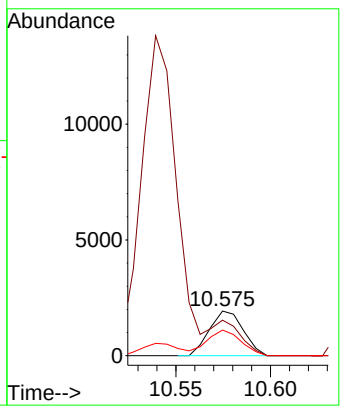


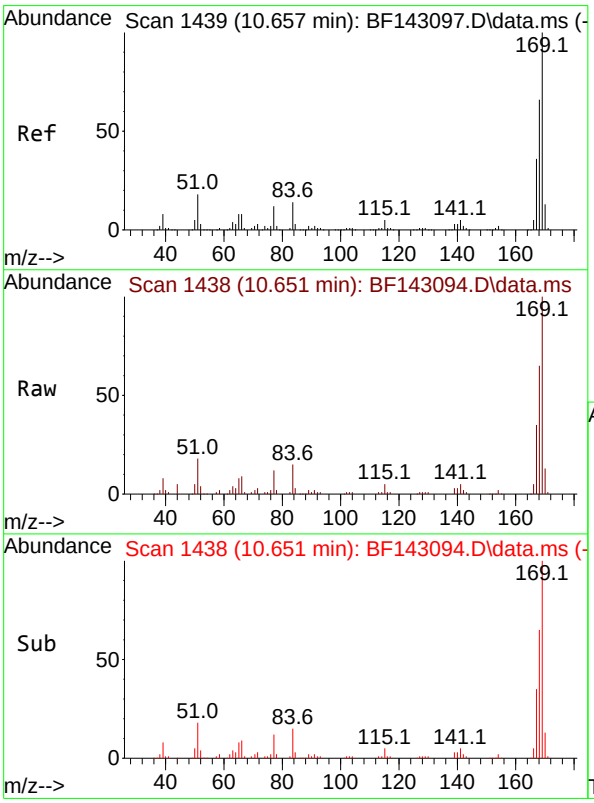
#65
4,6-Dinitro-2-methylphenol
Concen: 7.224 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 2390

Ion	Ratio	Lower	Upper
198	100		
51	79.6	44.6	84.6
105	57.4	29.3	69.3

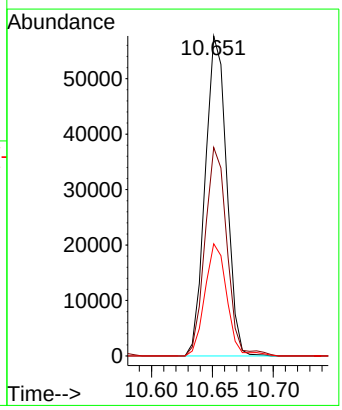


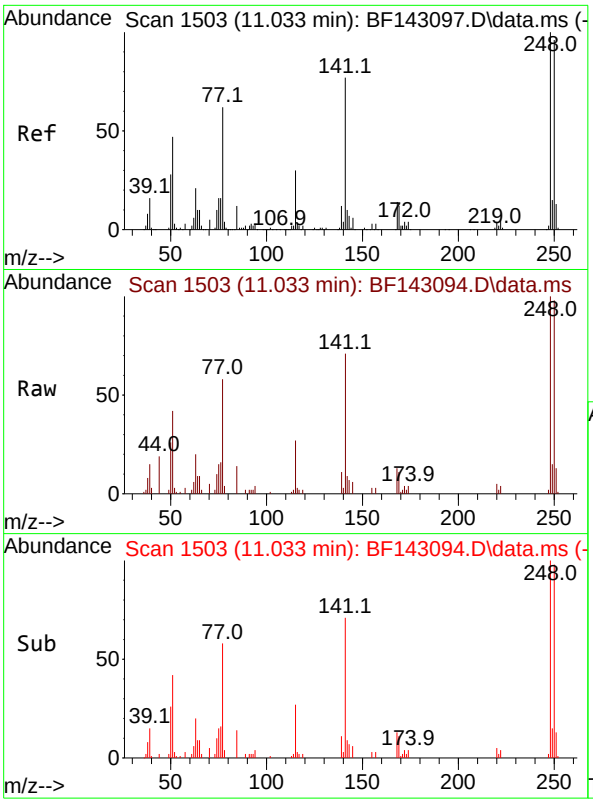


#66
n-Nitrosodiphenylamine
Concen: 5.231 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:169 Resp: 70293

Ion	Ratio	Lower	Upper
169	100		
168	65.2	53.0	79.6
167	35.1	28.4	42.6



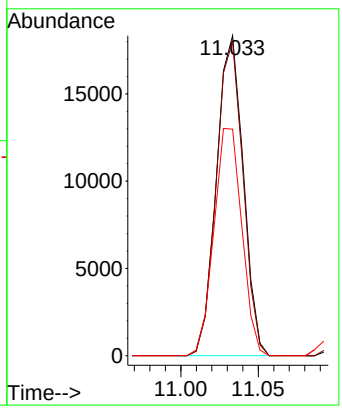


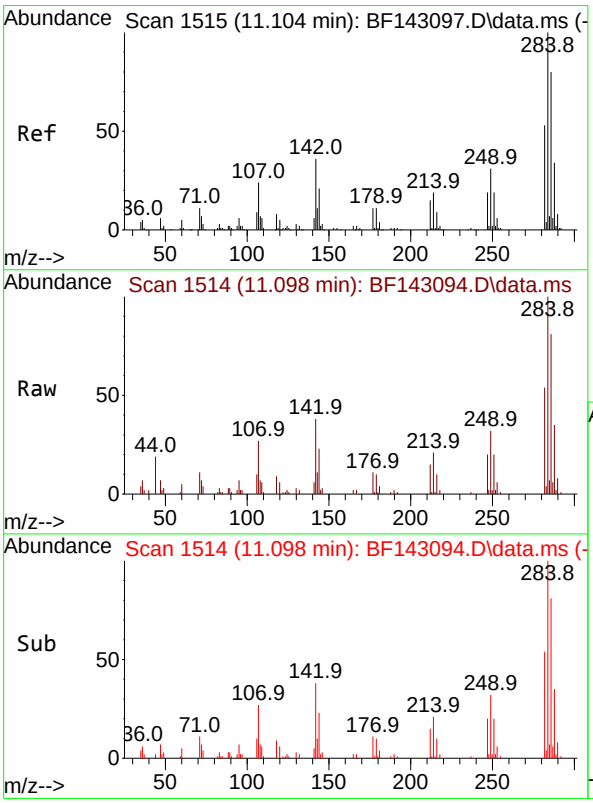
#67
4-Bromophenyl-phenylether
Concen: 5.086 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 22127

Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.7	115.1
141	70.8	61.7	92.5

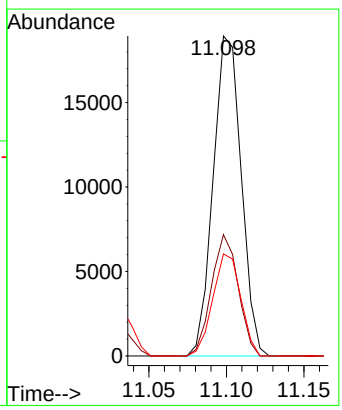


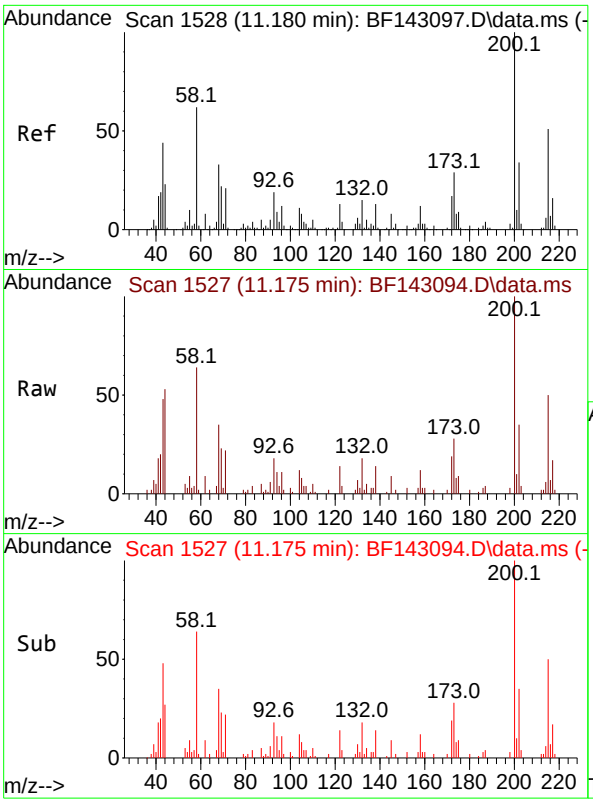


#68
Hexachlorobenzene
Concen: 5.160 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:284 Resp: 23819

Ion	Ratio	Lower	Upper
284	100		
142	37.9	28.9	43.3
249	31.9	24.6	37.0



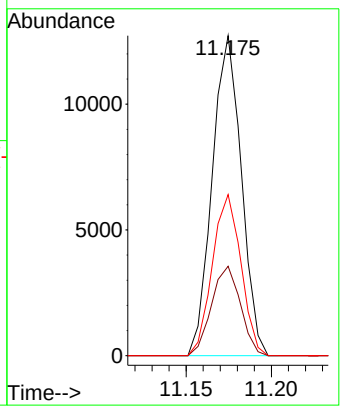


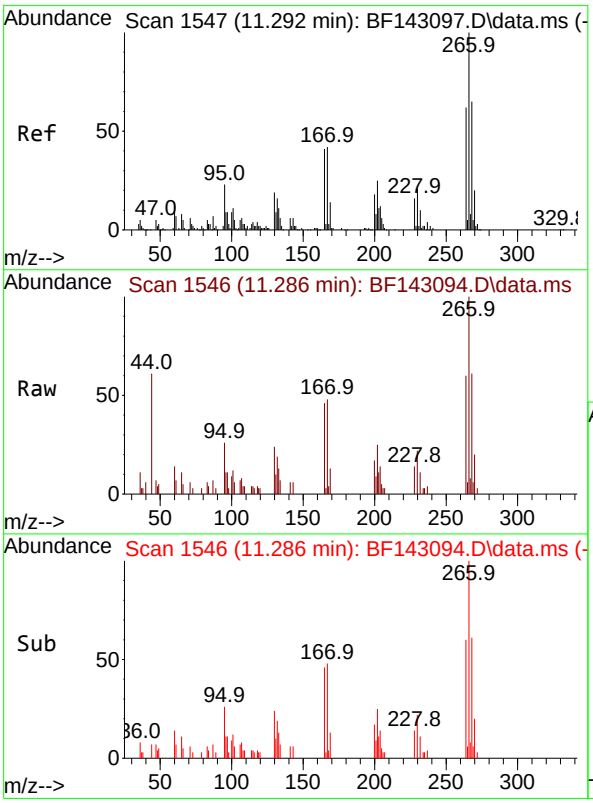
#69
Atrazine
Concen: 4.393 ng
RT: 11.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 15103

Ion	Ratio	Lower	Upper
200	100		
173	27.9	9.1	49.1
215	50.4	31.0	71.0

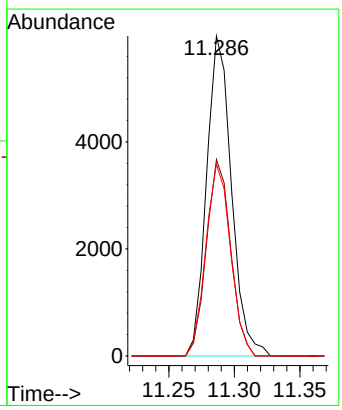


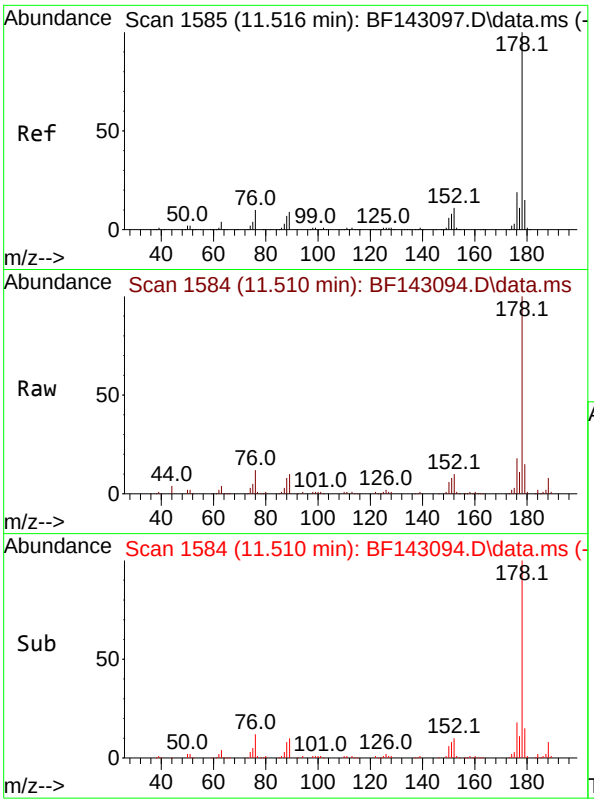


#70
Pentachlorophenol
Concen: 3.112 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:266 Resp: 7881

Ion	Ratio	Lower	Upper
266	100		
268	61.4	51.8	77.6
264	60.0	49.7	74.5



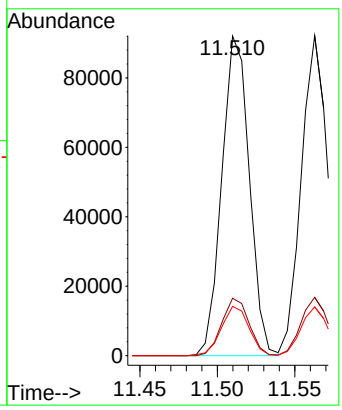


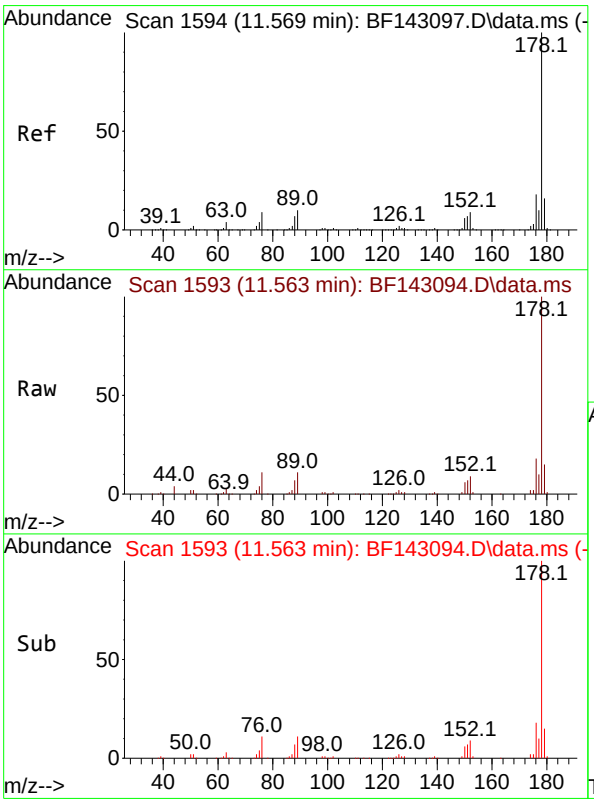
#71
Phenanthrene
Concen: 5.511 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 113784

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.1	22.7
179	15.4	12.2	18.4

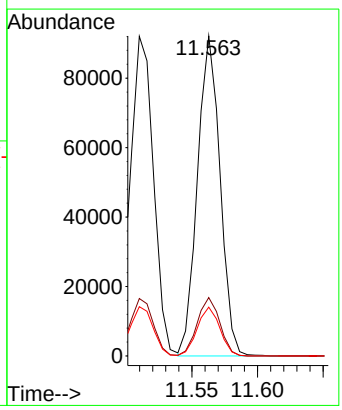


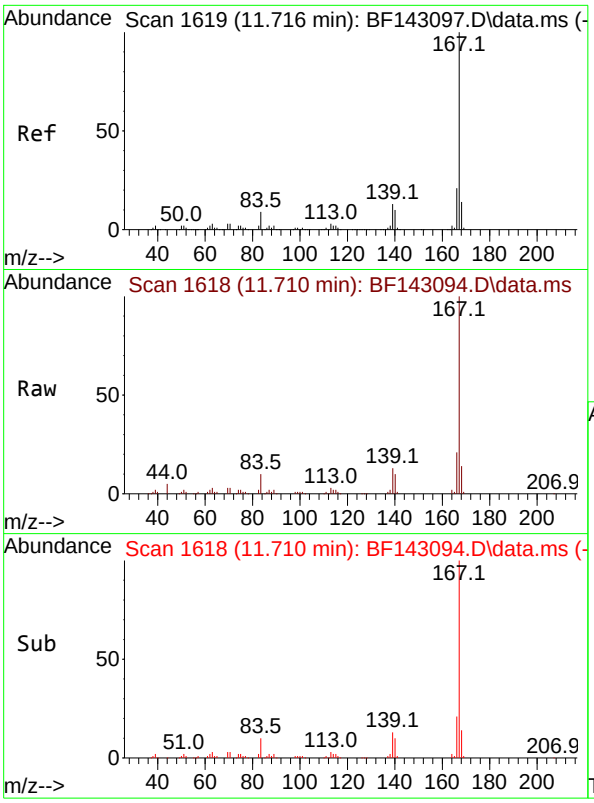


#72
Anthracene
Concen: 5.335 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:178 Resp: 110778

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.2	12.4	18.6



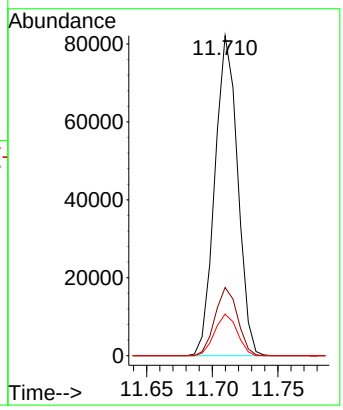


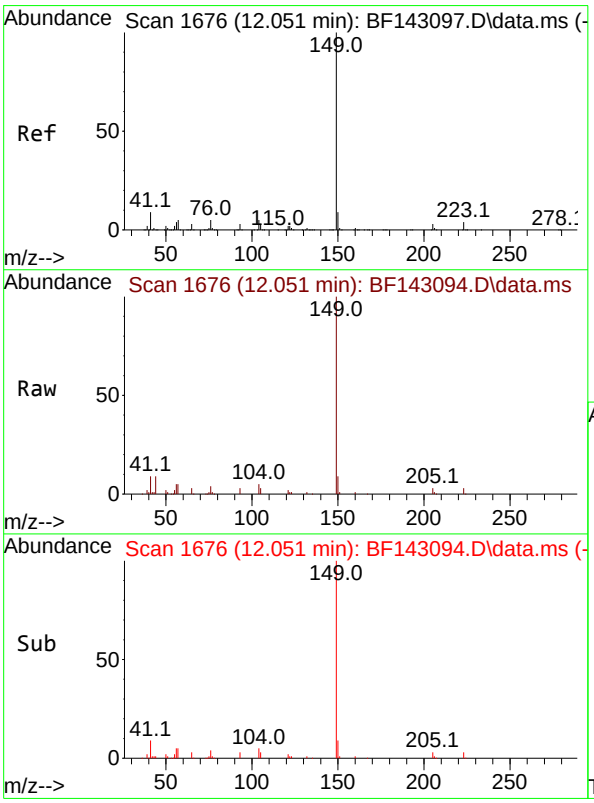
#73
Carbazole
Concen: 5.335 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 99235

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.4
139	13.0	10.2	15.4

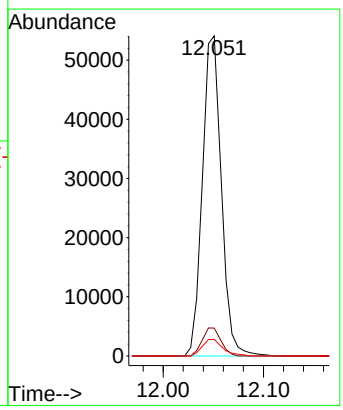


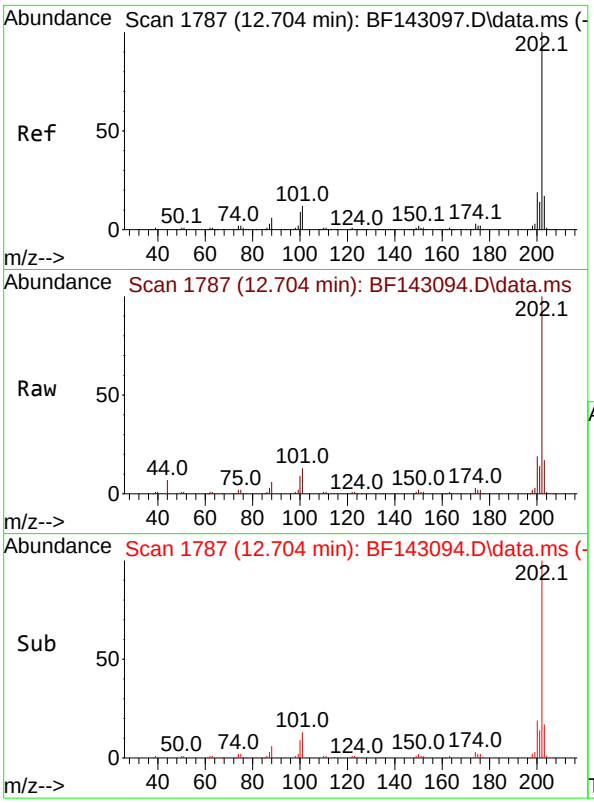


#74
Di-n-butylphthalate
Concen: 4.179 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 71352

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	5.1	3.8	5.8



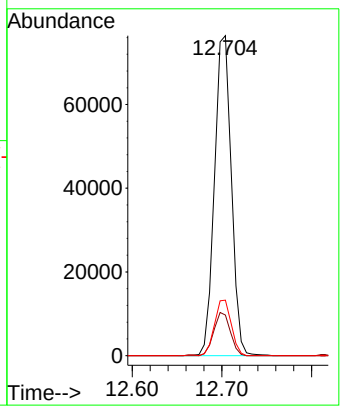


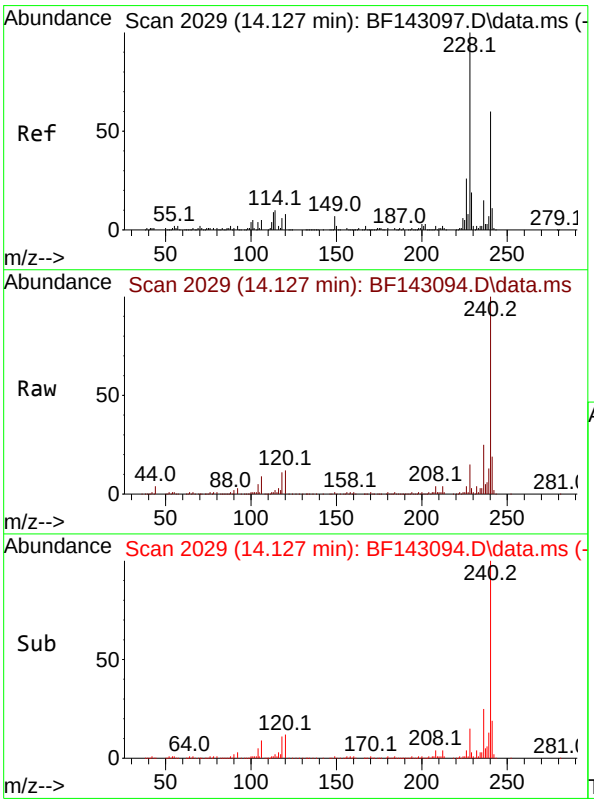
#75
Fluoranthene
Concen: 5.320 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 99884

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.4
203	17.4	0.0	37.4

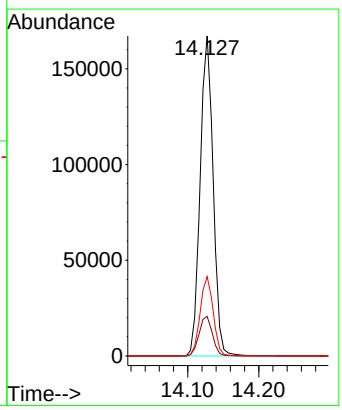


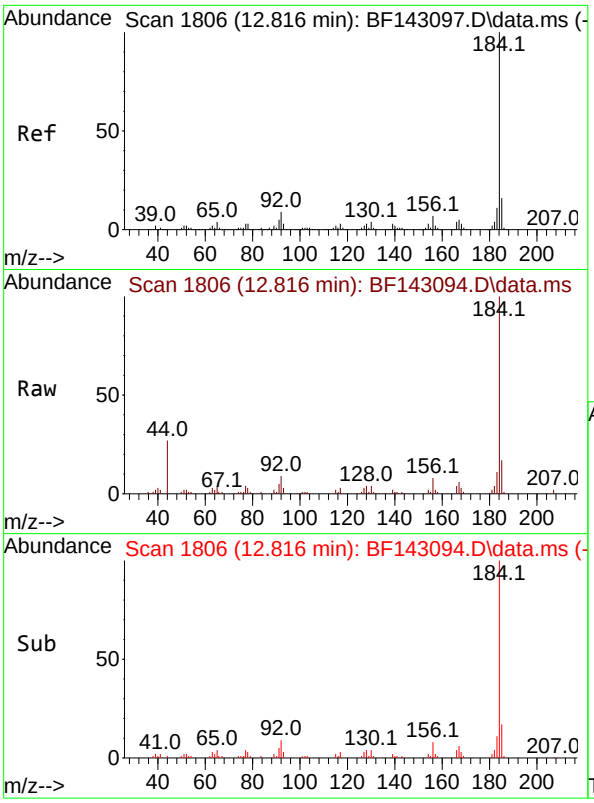


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:240 Resp: 212909

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	24.8	20.0	30.0



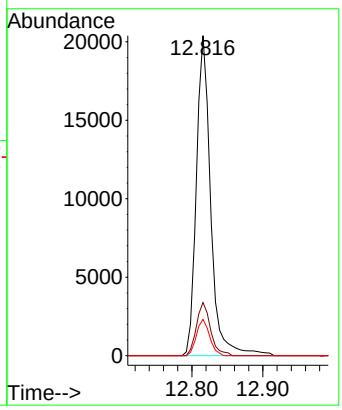


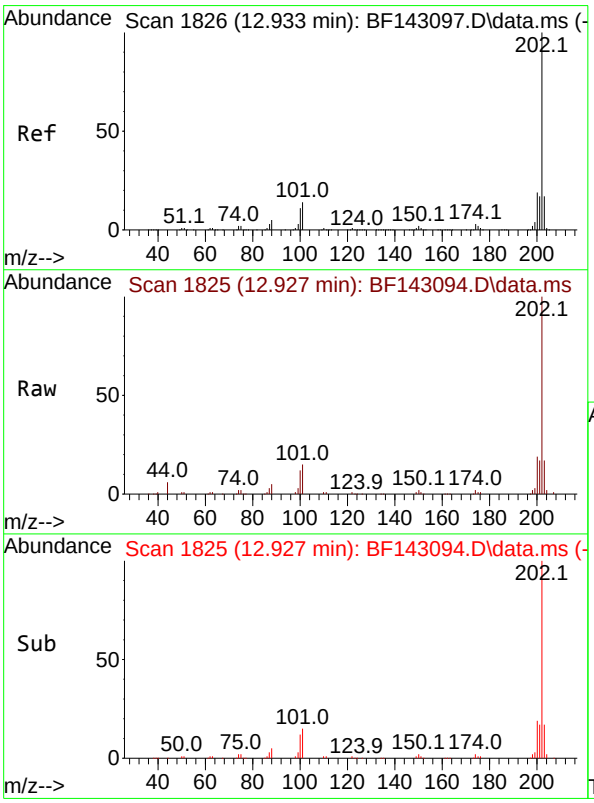
#77
Benzidine
Concen: 3.953 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 28673

Ion	Ratio	Lower	Upper
184	100		
185	16.6	12.4	18.6
183	11.3	8.6	12.8

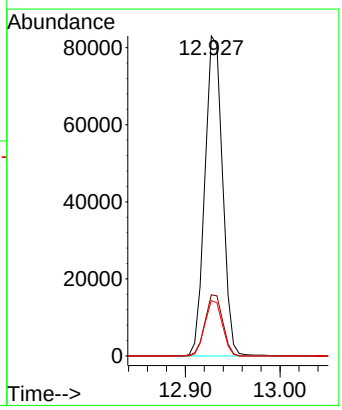


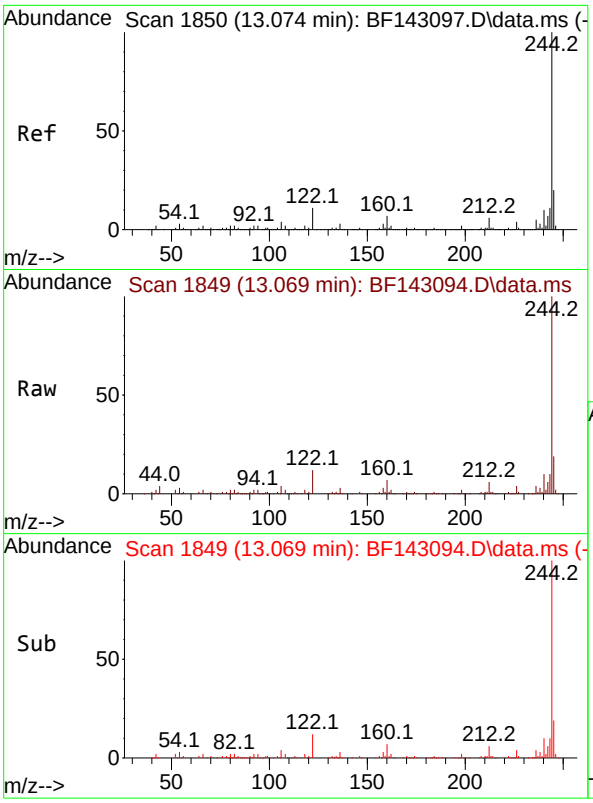


#78
Pyrene
Concen: 5.436 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:202 Resp: 107389

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.5	23.3
203	17.3	14.0	21.0



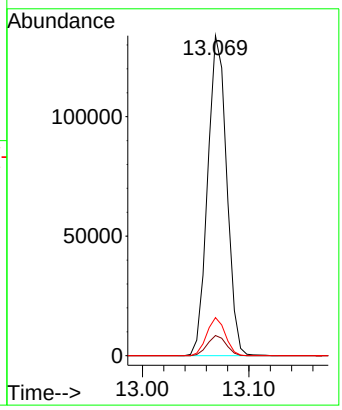


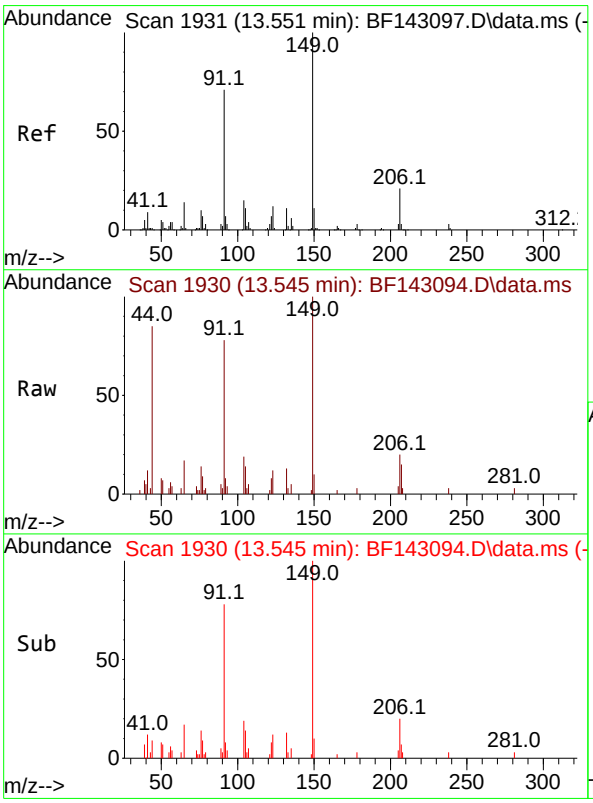
#79
Terphenyl-d14
Concen: 11.424 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 166389

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.9	8.8	13.2

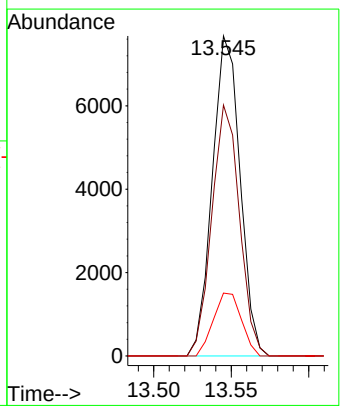


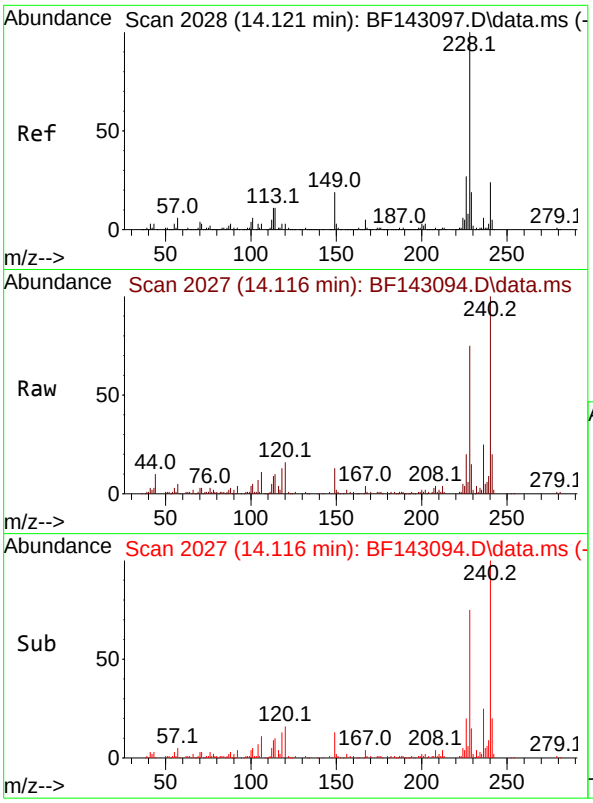


#80
Butylbenzylphthalate
Concen: 5.646 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 9546

Ion	Ratio	Lower	Upper
149	100		
91	78.4	57.0	85.4
206	19.7	17.2	25.8



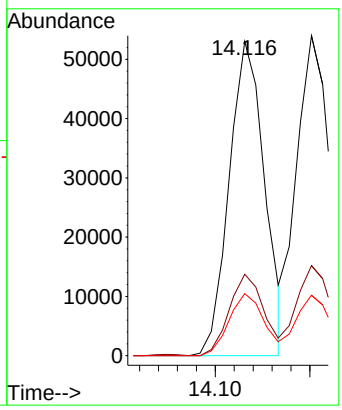


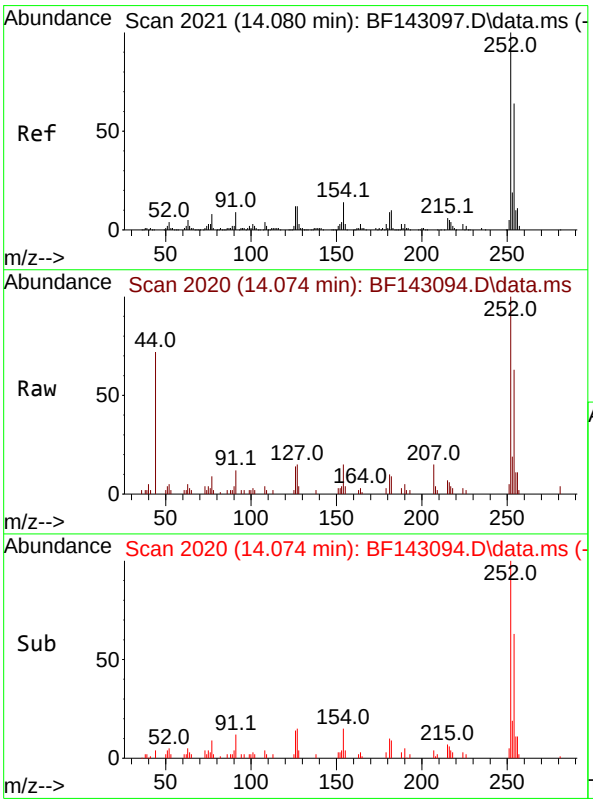
#81
Benzo(a)anthracene
Concen: 4.863 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 68990

Ion	Ratio	Lower	Upper
228	100		
226	25.9	21.3	31.9
229	19.7	15.5	23.3

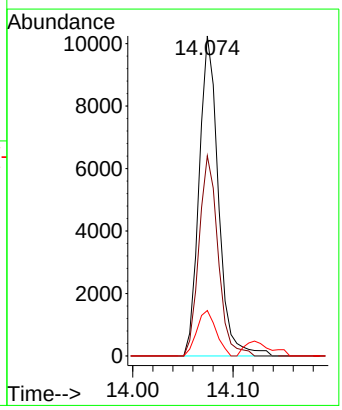


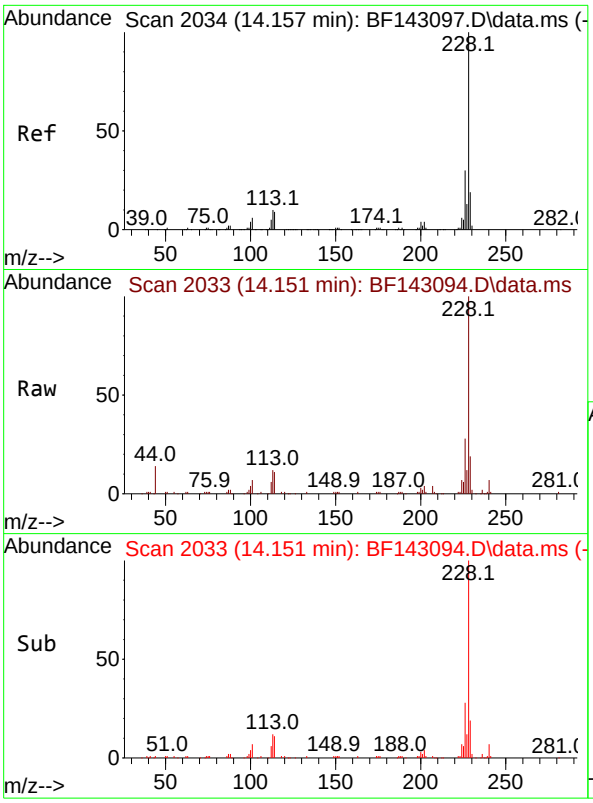


#82
3,3'-Dichlorobenzidine
Concen: 3.327 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 13706

Ion	Ratio	Lower	Upper
252	100		
254	62.5	51.5	77.3
126	14.2	9.4	14.0#



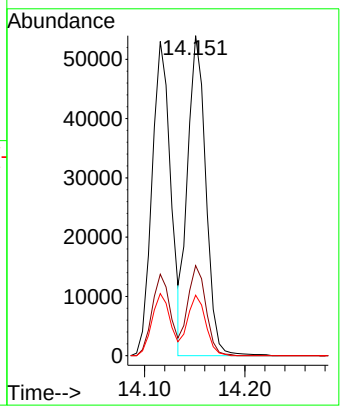


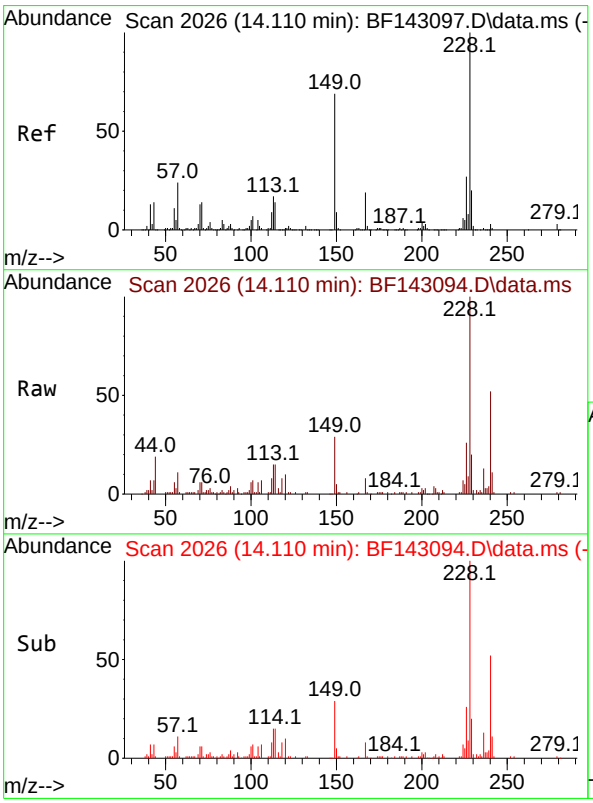
#83
Chrysene
Concen: 5.239 ng
RT: 14.151 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 68451

Ion	Ratio	Lower	Upper
228	100		
226	28.2	23.4	35.2
229	18.9	15.3	22.9

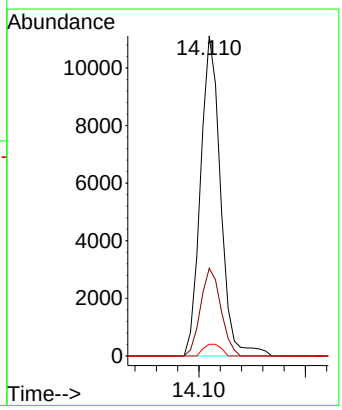


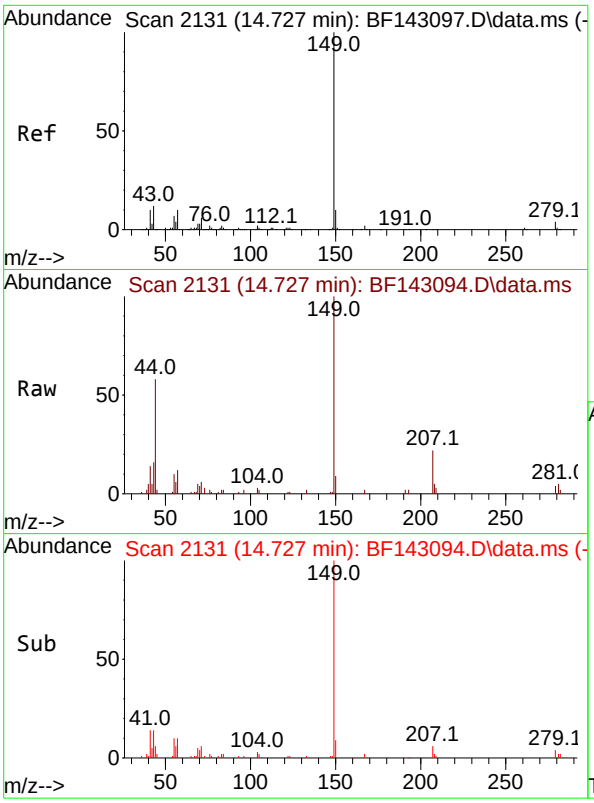


#84
Bis(2-ethylhexyl)phthalate
Concen: 5.667 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:149 Resp: 14537

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	3.6	3.4	5.0



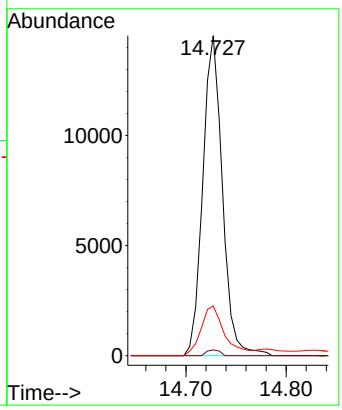


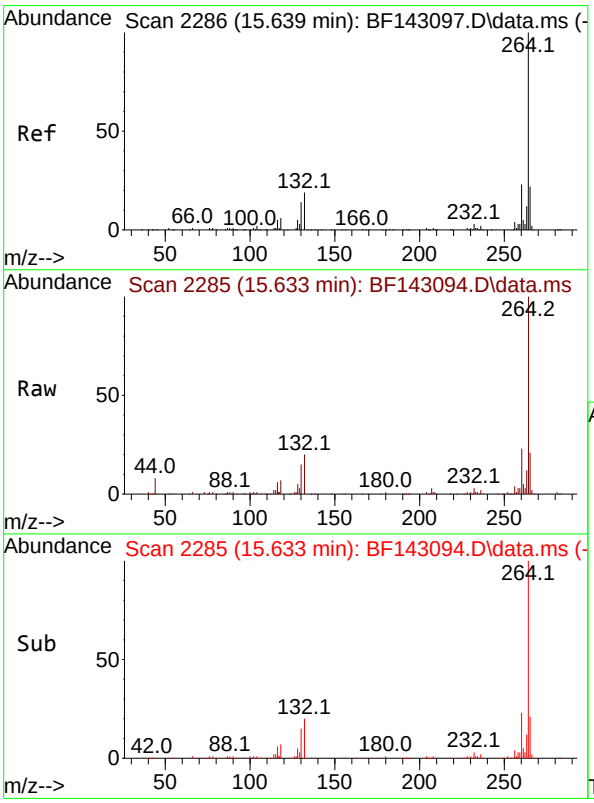
#85
Di-n-octyl phthalate
Concen: 8.196 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 19796

Ion	Ratio	Lower	Upper
149	100		
167	1.2	1.2	1.8
43	18.5	10.6	16.0#

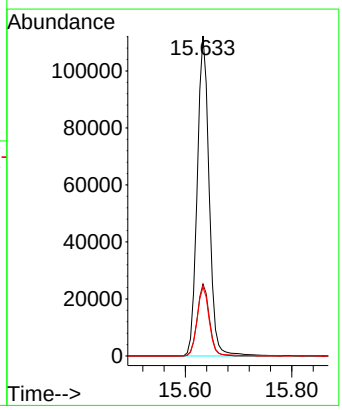


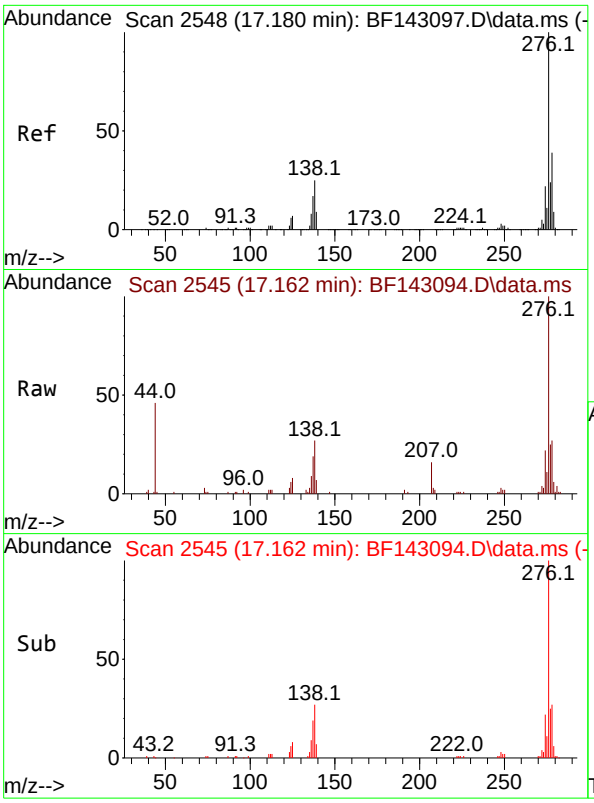


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:264 Resp: 174154

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.5	17.5	26.3



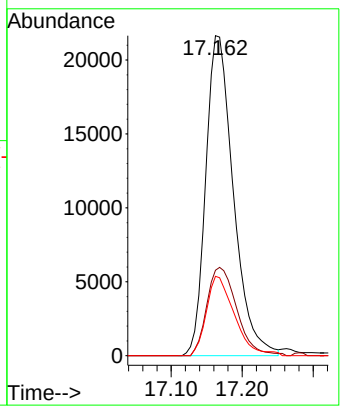


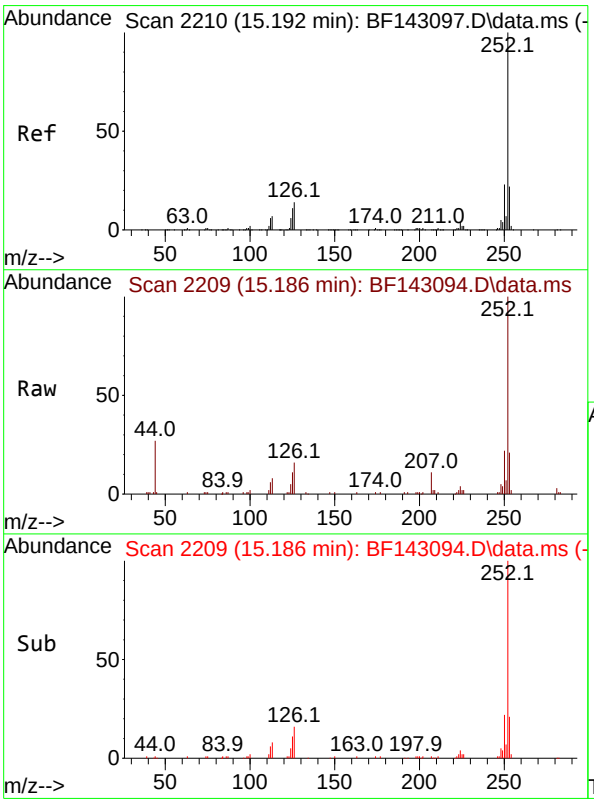
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.521 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 58565

Ion	Ratio	Lower	Upper
276	100		
138	29.8	22.6	34.0
277	25.1	20.2	30.2

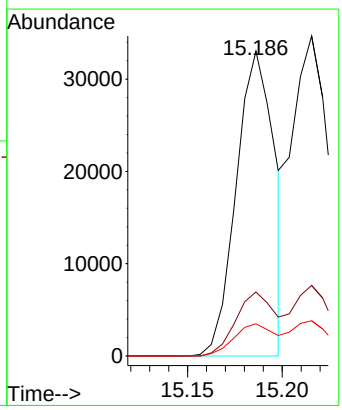


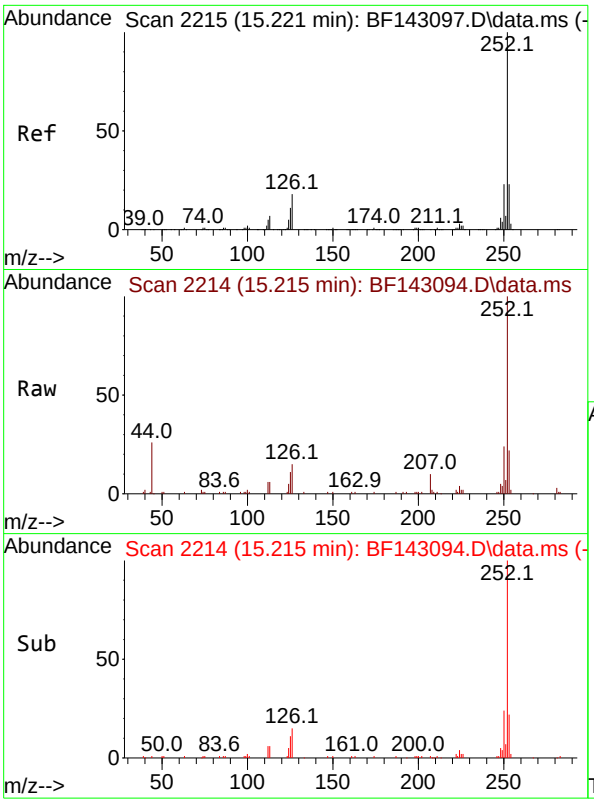


#88
Benzo(b)fluoranthene
Concen: 4.607 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 46276

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	10.6	8.6	13.0



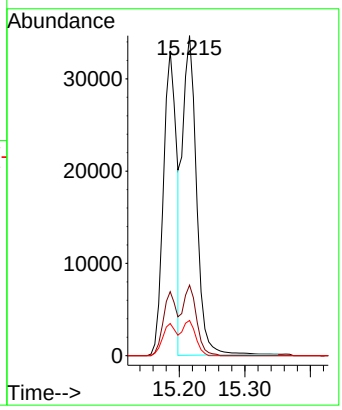


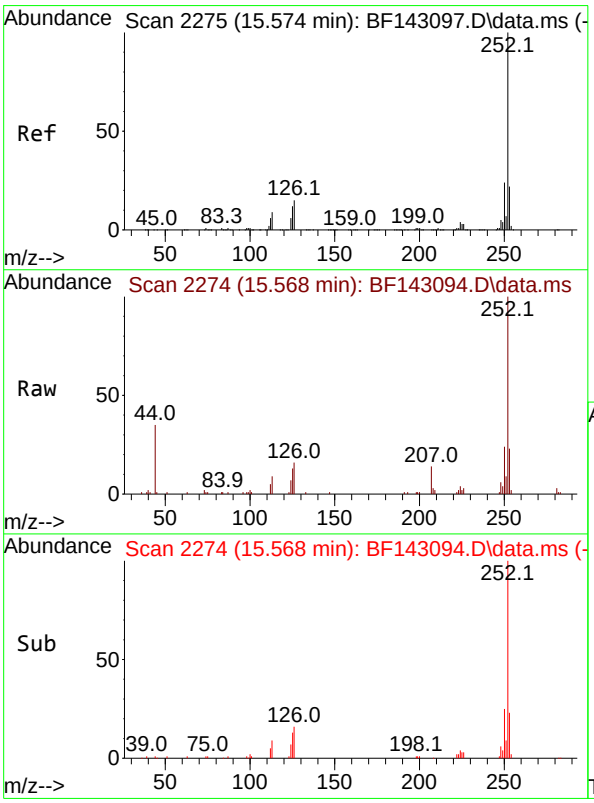
#89
Benzo(k)fluoranthene
Concen: 5.340 ng
RT: 15.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 51177

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	11.0	8.5	12.7

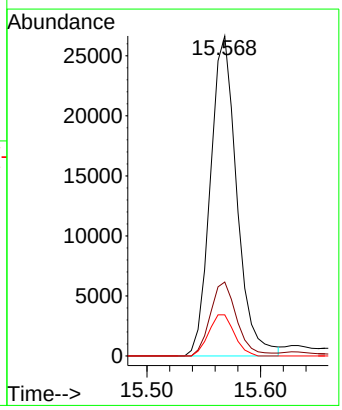


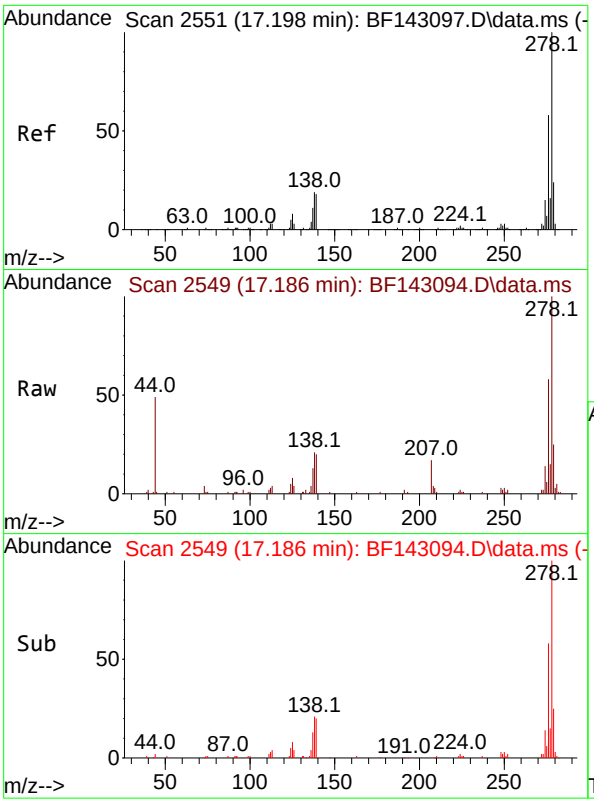


#90
Benzo(a)pyrene
Concen: 4.531 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:252 Resp: 43046

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.9	9.4	14.0



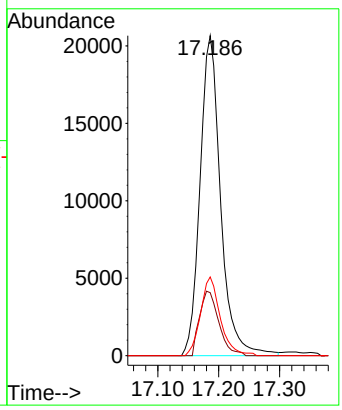


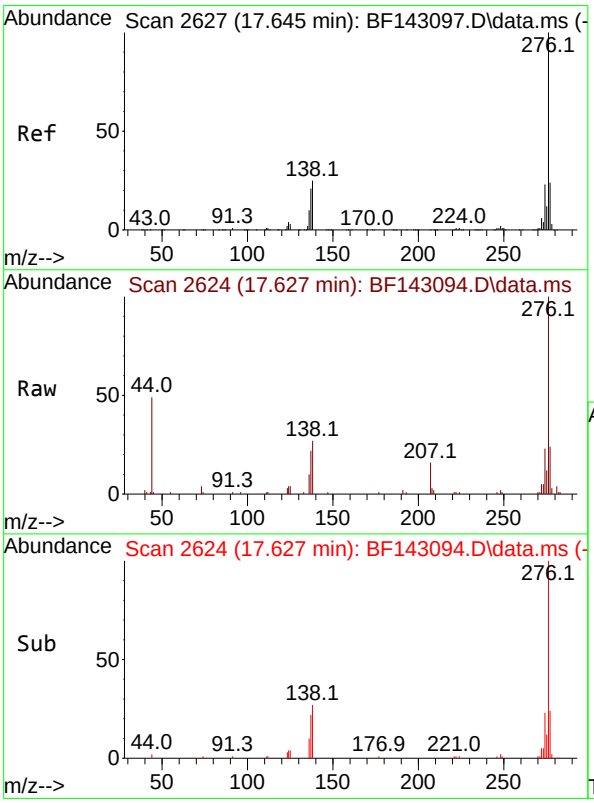
#91
Dibenzo(a,h)anthracene
Concen: 4.581 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 48506

Ion	Ratio	Lower	Upper
278	100		
139	19.7	14.6	22.0
279	24.6	18.8	28.2

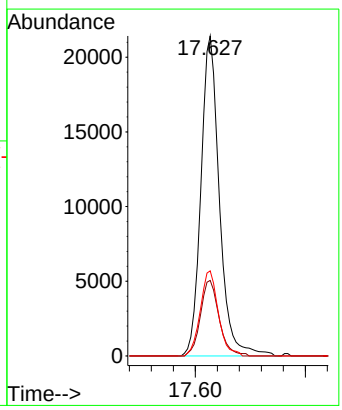




#92
Benzo(g,h,i)perylene
Concen: 4.631 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143094.D
Acq: 15 Jul 2025 13:35

Tgt Ion:276 Resp: 49989

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.2	28.8
138	26.6	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	129158	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	488635	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	248013	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	412977	20.000	ng		0.00
76) Chrysene-d12	14.127	240	231826	20.000	ng		0.00
86) Perylene-d12	15.633	264	195100	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	164234	20.090	ng		0.00
7) Phenol-d6	6.575	99	208774	20.317	ng		-0.01
23) Nitrobenzene-d5	7.516	82	162939	18.706	ng		-0.01
42) 2,4,6-Tribromophenol	10.786	330	39055	17.661	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	407861	21.860	ng		0.00
79) Terphenyl-d14	13.069	244	340992	21.502	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	40980	10.070	ng		98
3) Pyridine	3.581	79	99499	9.656	ng		98
4) n-Nitrosodimethylamine	3.504	42	50912	9.536	ng	#	96
6) Aniline	6.622	93	145577	10.060	ng		99
8) 2-Chlorophenol	6.745	128	78009	9.498	ng		98
9) Benzaldehyde	6.510	77	77218	9.862	ng		97
10) Phenol	6.587	94	112508	10.114	ng		98
11) bis(2-Chloroethyl)ether	6.693	93	88047	10.224	ng		99
12) 1,3-Dichlorobenzene	6.910	146	95695	10.313	ng		99
13) 1,4-Dichlorobenzene	6.987	146	95134	10.191	ng		99
14) 1,2-Dichlorobenzene	7.140	146	90960	10.218	ng		100
15) Benzyl Alcohol	7.092	79	72743	9.554	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	163494	10.299	ng		99
17) 2-Methylphenol	7.204	107	69808	9.849	ng		99
18) Hexachloroethane	7.487	117	28400	9.345	ng		98
19) n-Nitroso-di-n-propyla...	7.363	70	63831	10.139	ng		95
20) 3+4-Methylphenols	7.351	107	90318	10.391	ng	#	83
22) Acetophenone	7.363	105	126127	10.708	ng		95
24) Nitrobenzene	7.540	77	77369	9.201	ng		97
25) Isophorone	7.775	82	167986	9.978	ng		99
26) 2-Nitrophenol	7.857	139	18432	8.966	ng		97
27) 2,4-Dimethylphenol	7.887	122	78706	10.072	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	106045	10.387	ng		98
29) 2,4-Dichlorophenol	8.092	162	62164	9.724	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	74581	10.280	ng		98
31) Naphthalene	8.269	128	256031	10.551	ng		99
32) Benzoic acid	7.939	122	17349	10.366	ng		96
33) 4-Chloroaniline	8.310	127	102550	10.510	ng		96
34) Hexachlorobutadiene	8.392	225	42959	9.901	ng		97
35) Caprolactam	8.634	113	17855	8.944	ng		99
36) 4-Chloro-3-methylphenol	8.775	107	70747	9.935	ng		97
37) 2-Methylnaphthalene	8.957	142	152822	10.557	ng		99
38) 1-Methylnaphthalene	9.057	142	161228	10.739	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	74348	10.287	ng		99
41) Hexachlorocyclopentadiene	9.122	237	31472	7.854	ng		100
43) 2,4,6-Trichlorophenol	9.234	196	38748	8.628	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	45455	9.653	ng		98
46) 1,1'-Biphenyl	9.422	154	209259	10.580	ng		99
47) 2-Chloronaphthalene	9.445	162	149175	10.267	ng		99
48) 2-Nitroaniline	9.534	65	27816	9.163	ng		98
49) Acenaphthylene	9.863	152	249435	10.302	ng		100
50) Dimethylphthalate	9.710	163	156072	10.003	ng		100
51) 2,6-Dinitrotoluene	9.769	165	21789	9.451	ng		96
52) Acenaphthene	10.033	154	149318	10.451	ng		100
53) 3-Nitroaniline	9.939	138	28105	8.336	ng		98
54) 2,4-Dinitrophenol	10.039	184	4729	10.239	ng	#	1
55) Dibenzofuran	10.204	168	222555	10.451	ng		98
56) 4-Nitrophenol	10.081	139	20334	7.589	ng		97
57) 2,4-Dinitrotoluene	10.175	165	24420	9.293	ng	#	95
58) Fluorene	10.551	166	171975	10.771	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	33995	9.084	ng		99
60) Diethylphthalate	10.416	149	150934	10.027	ng		100
61) 4-Chlorophenyl-phenyle...	10.545	204	79583	10.400	ng		99
62) 4-Nitroaniline	10.545	138	25757	8.785	ng		96
63) Azobenzene	10.698	77	173437	10.418	ng		98
65) 4,6-Dinitro-2-methylph...	10.581	198	7158	10.290	ng		96
66) n-Nitrosodiphenylamine	10.651	169	146433	10.094	ng		98
67) 4-Bromophenyl-phenylether	11.033	248	45279	9.641	ng		97
68) Hexachlorobenzene	11.104	284	49035	9.840	ng		96
69) Atrazine	11.175	200	35230	9.492	ng		99
70) Pentachlorophenol	11.286	266	20245	7.405	ng		97
71) Phenanthrene	11.510	178	234601	10.526	ng		100
72) Anthracene	11.563	178	232459	10.372	ng		99
73) Carbazole	11.710	167	211853	10.551	ng		99
74) Di-n-butylphthalate	12.051	149	174639	9.475	ng		100
75) Fluoranthene	12.704	202	217346	10.725	ng		99
77) Benzidine	12.816	184	76979	9.747	ng		99
78) Pyrene	12.927	202	226752	10.542	ng		99
80) Butylbenzylphthalate	13.545	149	26977	9.210	ng		94
81) Benzo(a)anthracene	14.116	228	151099	9.781	ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	36435	8.122	ng		99
83) Chrysene	14.151	228	142990	10.050	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	39724	9.073	ng		97
85) Di-n-octyl phthalate	14.727	149	54952	10.526	ng		96
87) Indeno(1,2,3-cd)pyrene	17.168	276	137620	9.484	ng		100
88) Benzo(b)fluoranthene	15.186	252	116154	10.321	ng		100
89) Benzo(k)fluoranthene	15.216	252	103994	9.686	ng		98
90) Benzo(a)pyrene	15.568	252	99366	9.336	ng		99
91) Dibenzo(a,h)anthracene	17.186	278	113316	9.553	ng		99
92) Benzo(g,h,i)perylene	17.627	276	115816	9.577	ng		98

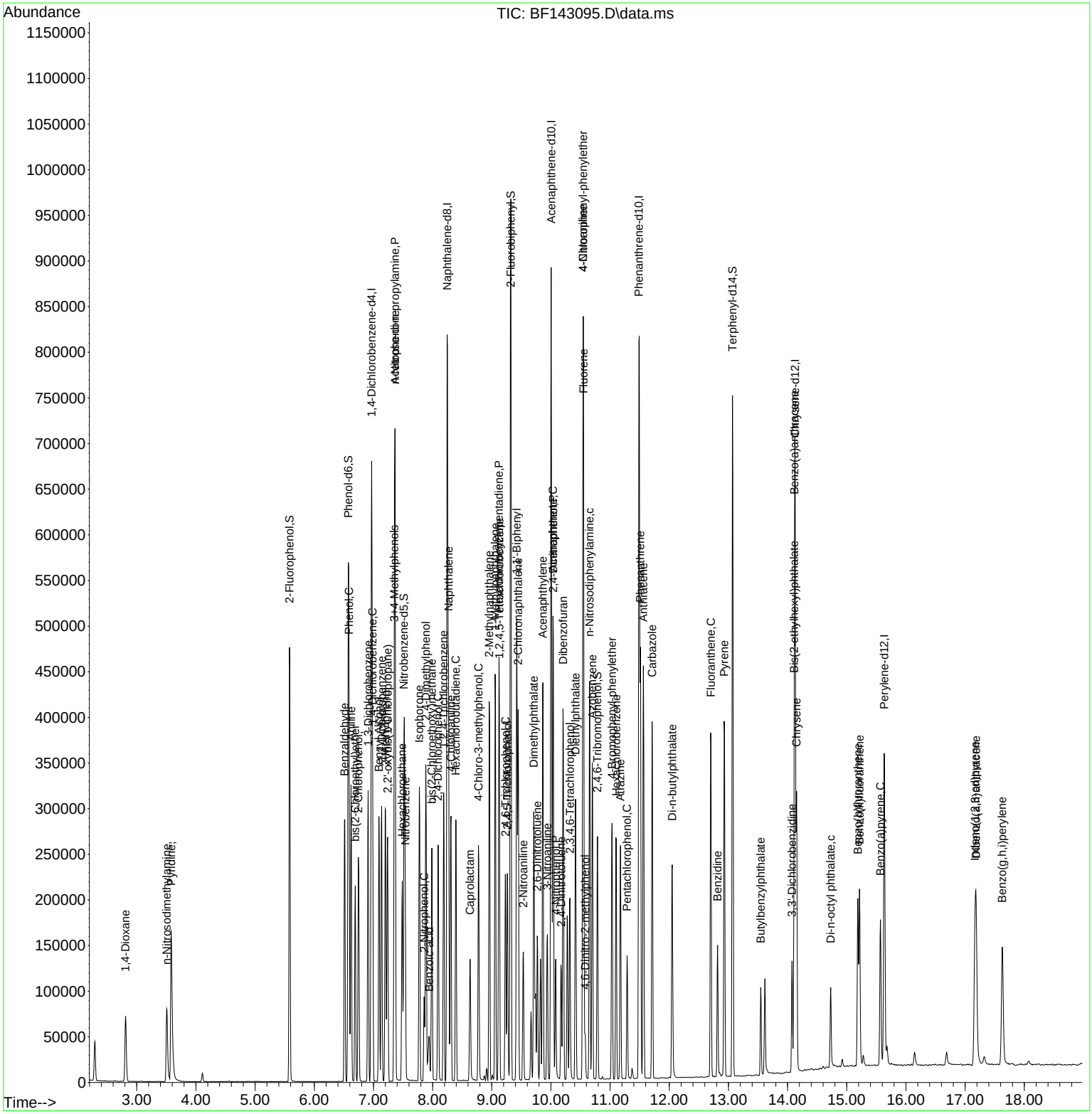
(#) = qualifier out of range (m) = manual integration (+) = signals summed

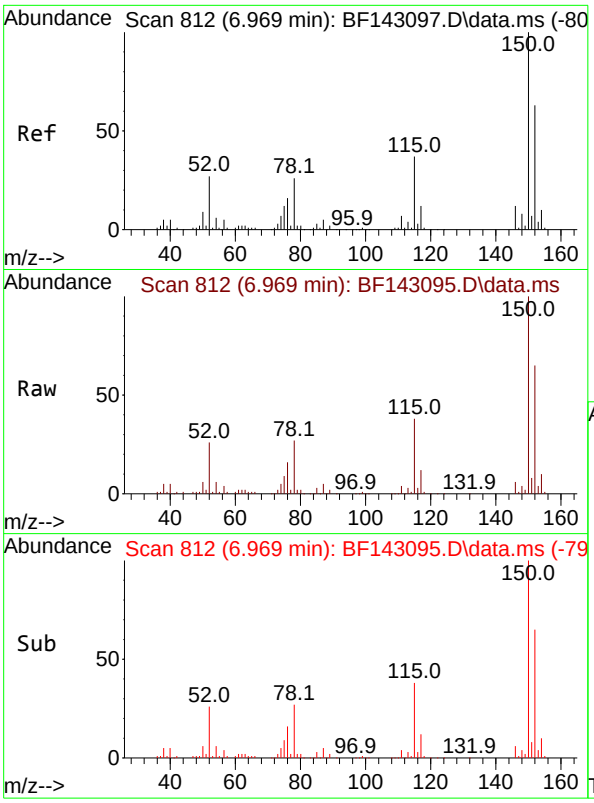
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143095.D
Acq On : 15 Jul 2025 14:05
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jul 15 17:38:34 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



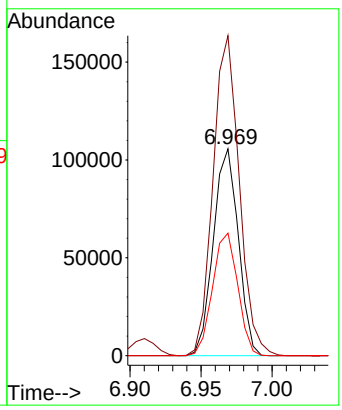


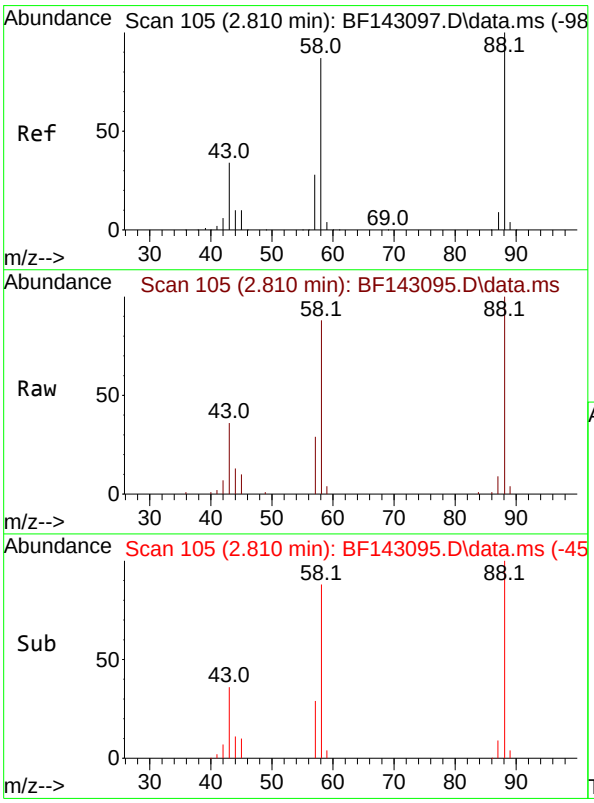
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 129158

Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.5	189.7
115	59.3	47.0	70.6

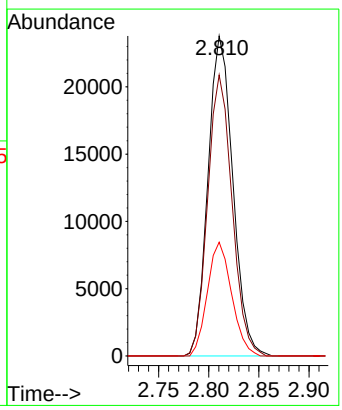


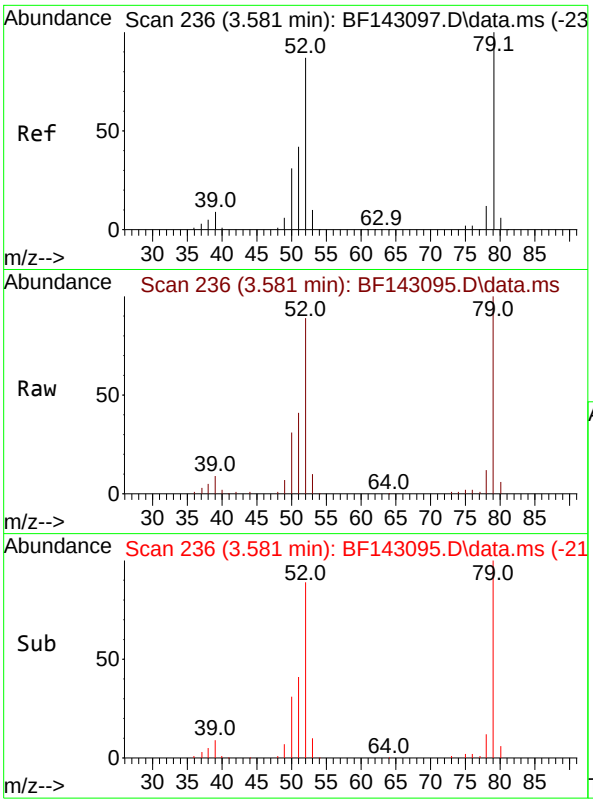


#2
1,4-Dioxane
Concen: 10.070 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 88 Resp: 40980

Ion	Ratio	Lower	Upper
88	100		
58	86.3	70.5	105.7
43	34.8	27.3	40.9



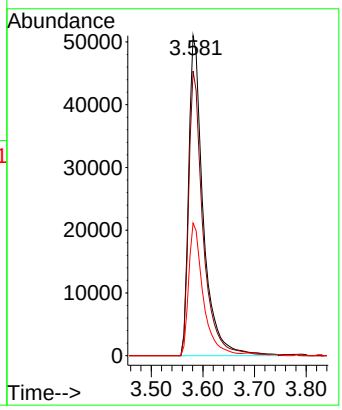


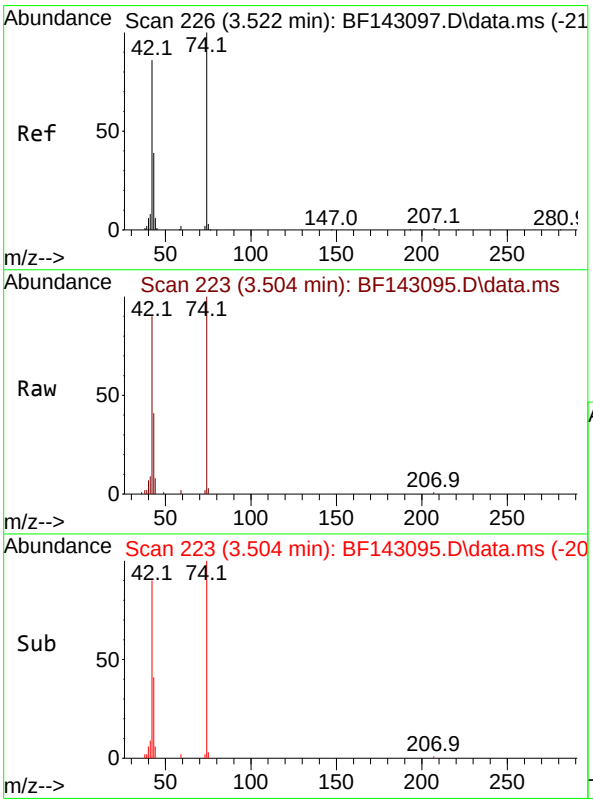
#3
Pyridine
Concen: 9.656 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 99499

Ion	Ratio	Lower	Upper
79	100		
52	88.9	69.2	103.8
51	41.5	33.3	49.9

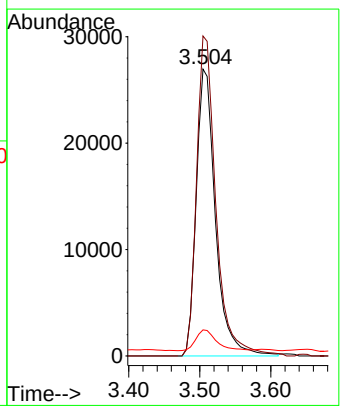


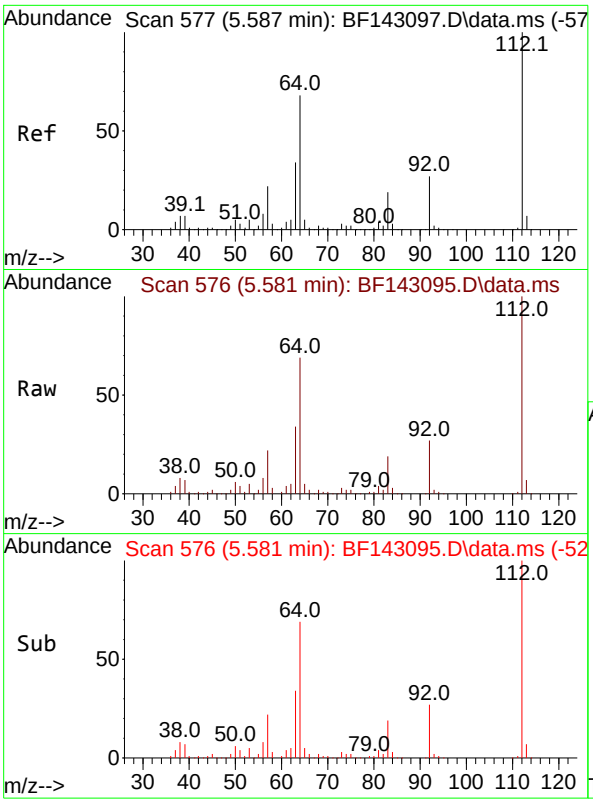


#4
n-Nitrosodimethylamine
Concen: 9.536 ng
RT: 3.504 min Scan# 223
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 42 Resp: 50912

Ion	Ratio	Lower	Upper
42	100		
74	111.6	92.8	139.2
44	9.1	5.8	8.6#



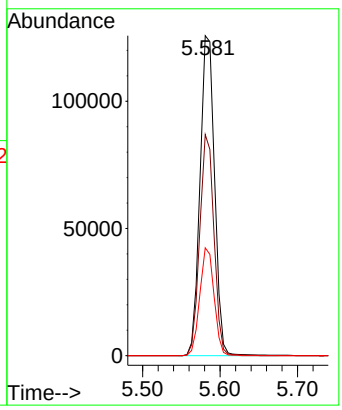


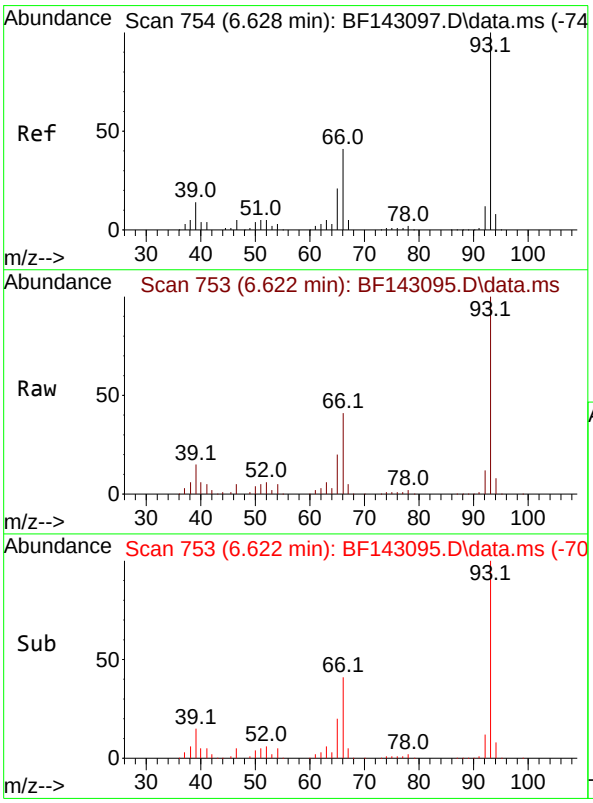
#5
2-Fluorophenol
Concen: 20.090 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 164234

Ion	Ratio	Lower	Upper
112	100		
64	69.1	54.6	82.0
63	33.7	27.3	40.9

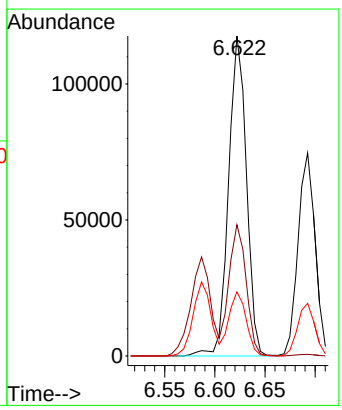


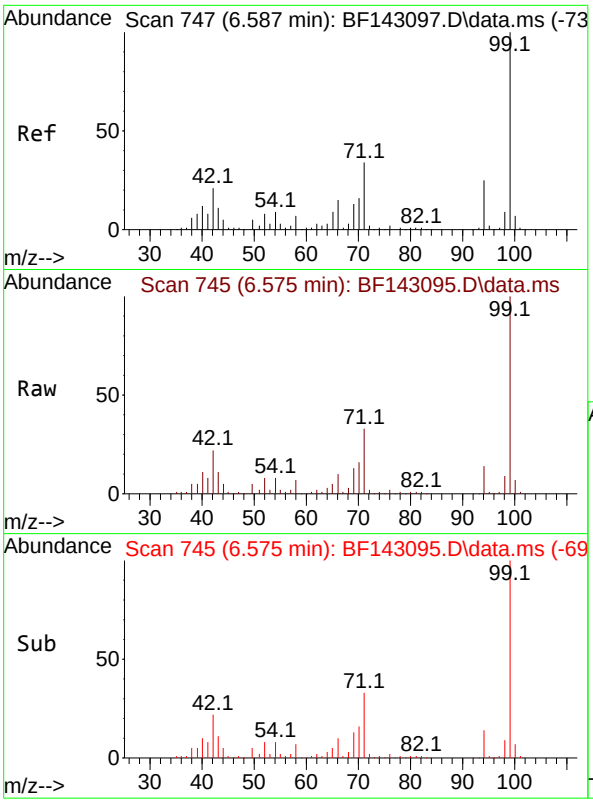


#6
Aniline
Concen: 10.060 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 145577

Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.1	49.7
65	20.1	16.9	25.3



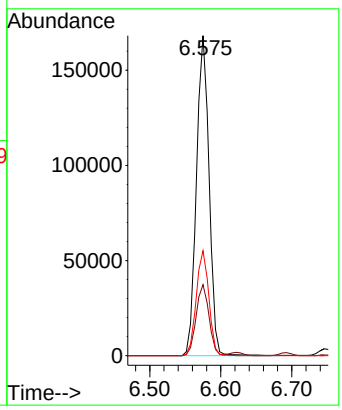


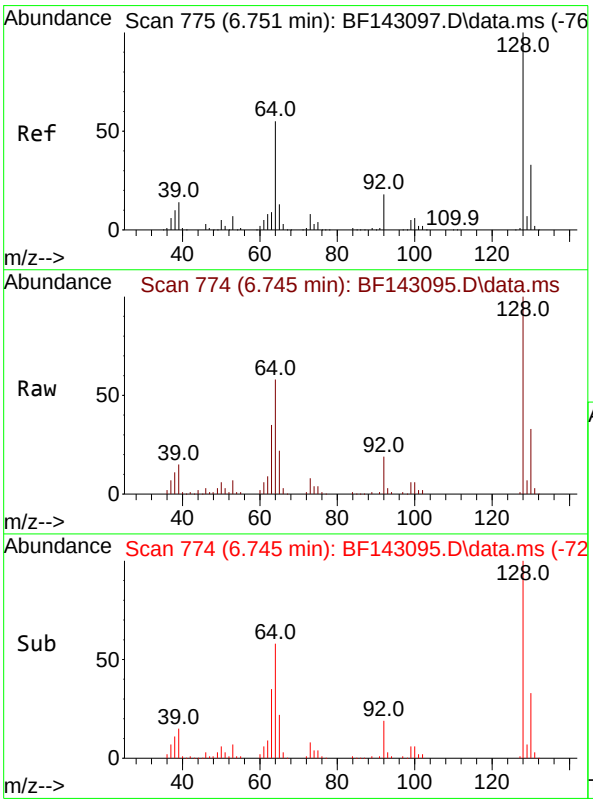
#7
Phenol-d6
Concen: 20.317 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 208774

Ion	Ratio	Lower	Upper
99	100		
42	22.2	17.2	25.8
71	32.8	27.4	41.0

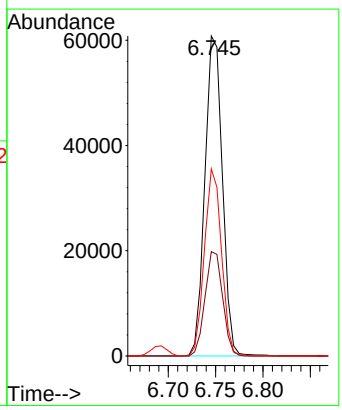


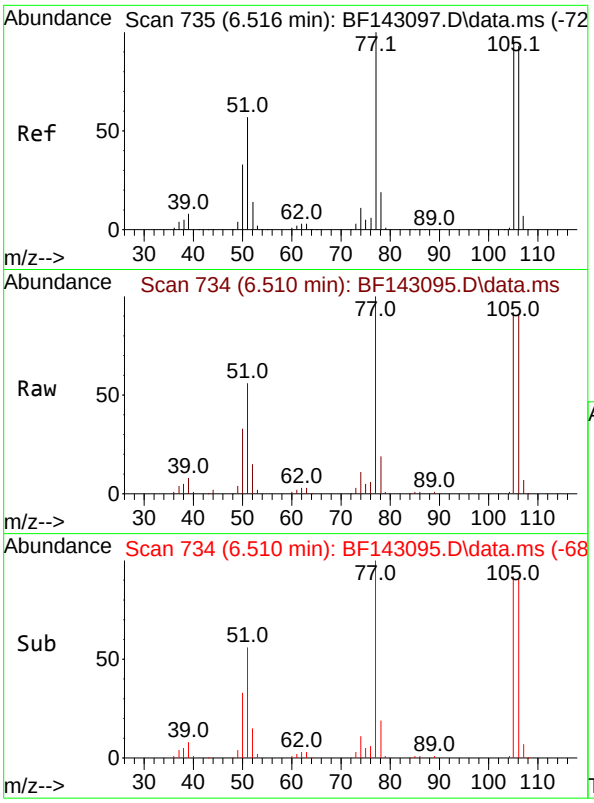


#8
2-Chlorophenol
Concen: 9.498 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:128 Resp: 78009

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	58.5	36.1	76.1



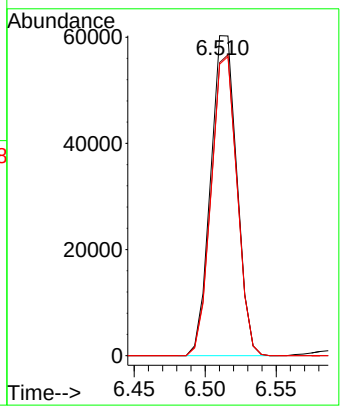


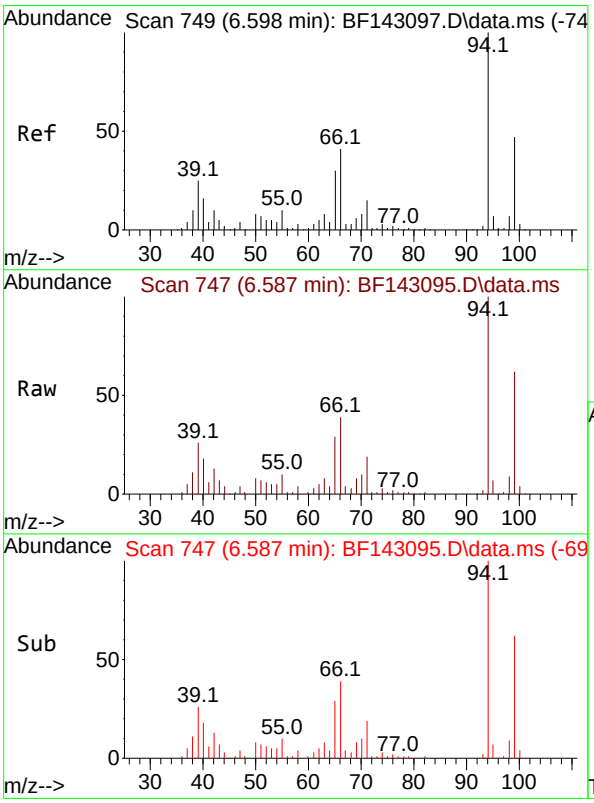
#9
Benzaldehyde
Concen: 9.862 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 77218

Ion	Ratio	Lower	Upper
77	100		
105	91.6	76.3	116.3
106	91.1	72.8	112.8

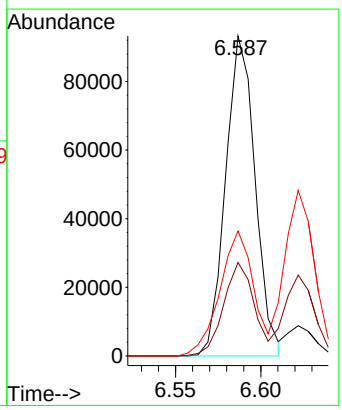


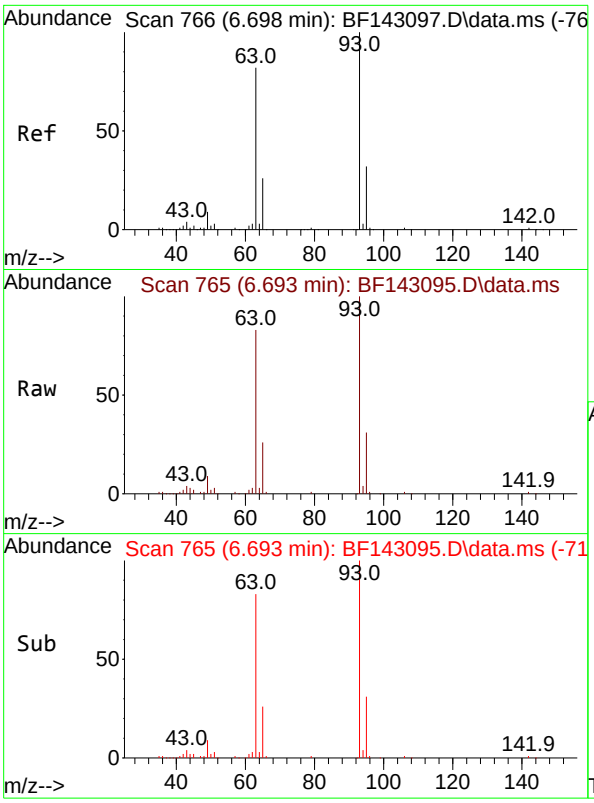


#10
Phenol
Concen: 10.114 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 94 Resp: 112508

Ion	Ratio	Lower	Upper
94	100		
65	29.2	9.8	49.8
66	39.1	20.5	60.5



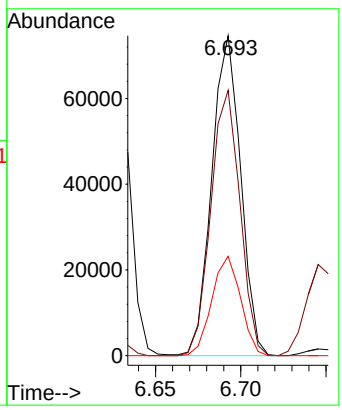


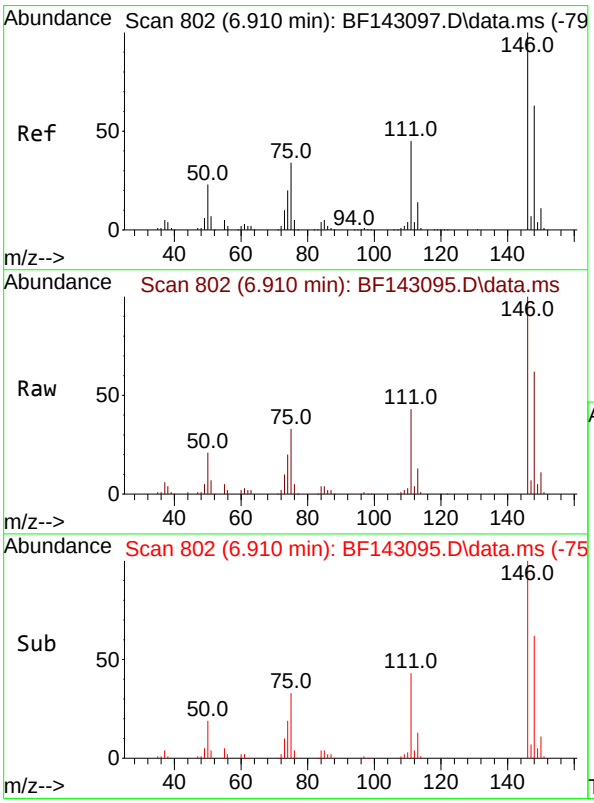
#11
bis(2-Chloroethyl)ether
Concen: 10.224 ng
RT: 6.693 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 88047

Ion	Ratio	Lower	Upper
93	100		
63	82.9	61.9	101.9
95	31.1	12.2	52.2

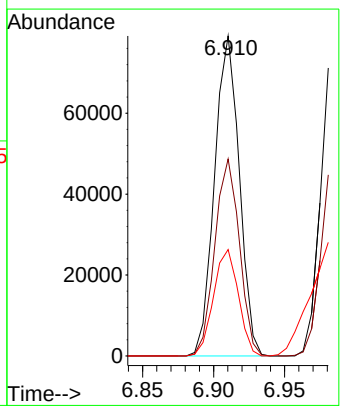


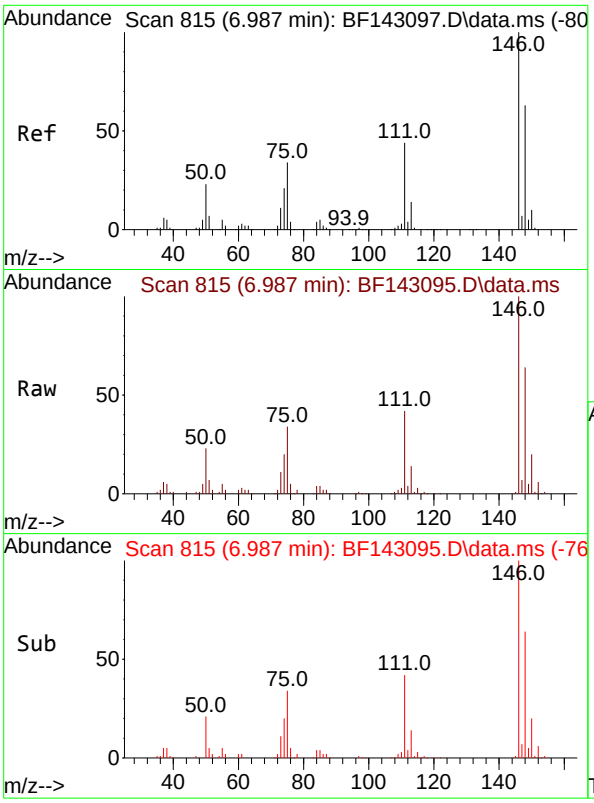


#12
1,3-Dichlorobenzene
Concen: 10.313 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 95695

Ion	Ratio	Lower	Upper
146	100		
148	61.6	50.1	75.1
75	33.3	27.4	41.0



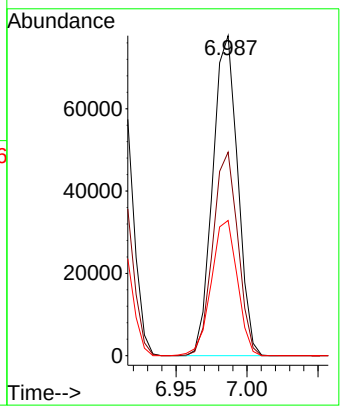


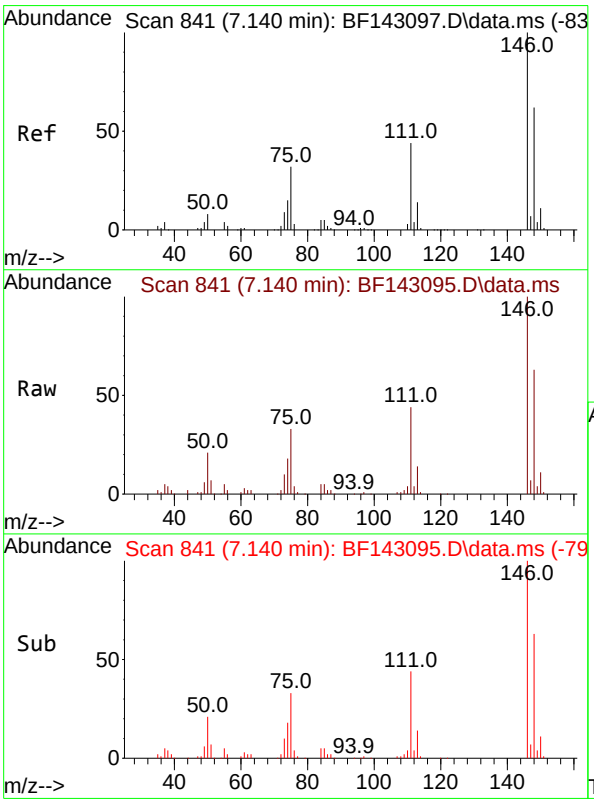
#13
1,4-Dichlorobenzene
Concen: 10.191 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 95134

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
111	42.2	35.0	52.6

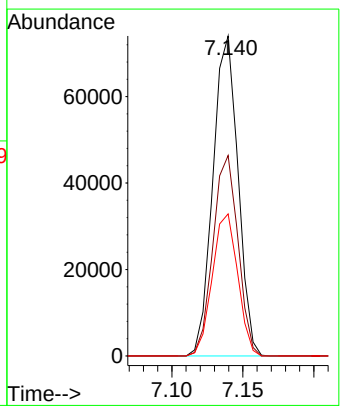


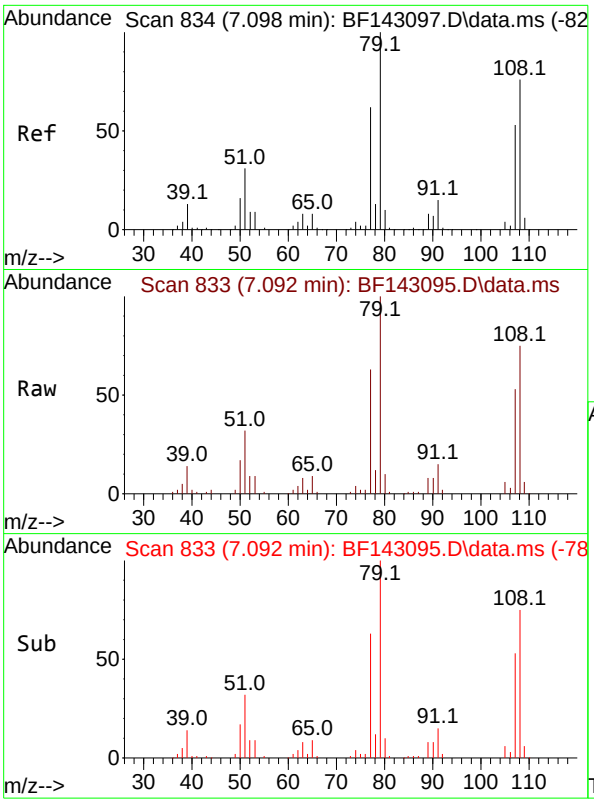


#14
1,2-Dichlorobenzene
Concen: 10.218 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:146 Resp: 90960

Ion	Ratio	Lower	Upper
146	100		
148	62.6	49.8	74.6
111	44.4	35.4	53.0



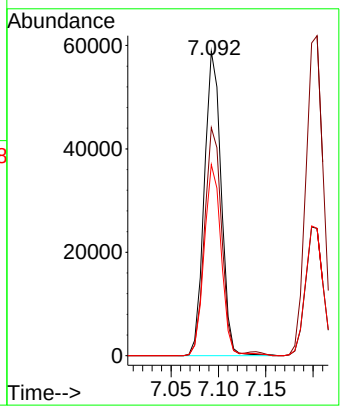


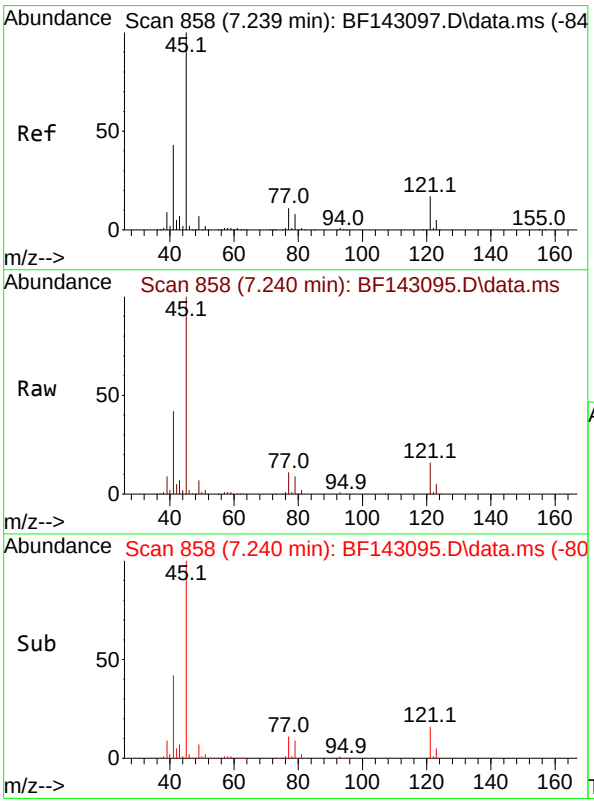
#15
Benzyl Alcohol
Concen: 9.554 ng
RT: 7.092 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 72743

Ion	Ratio	Lower	Upper
79	100		
108	74.9	61.1	91.7
77	62.8	49.9	74.9

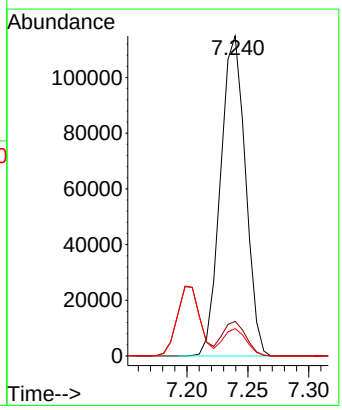


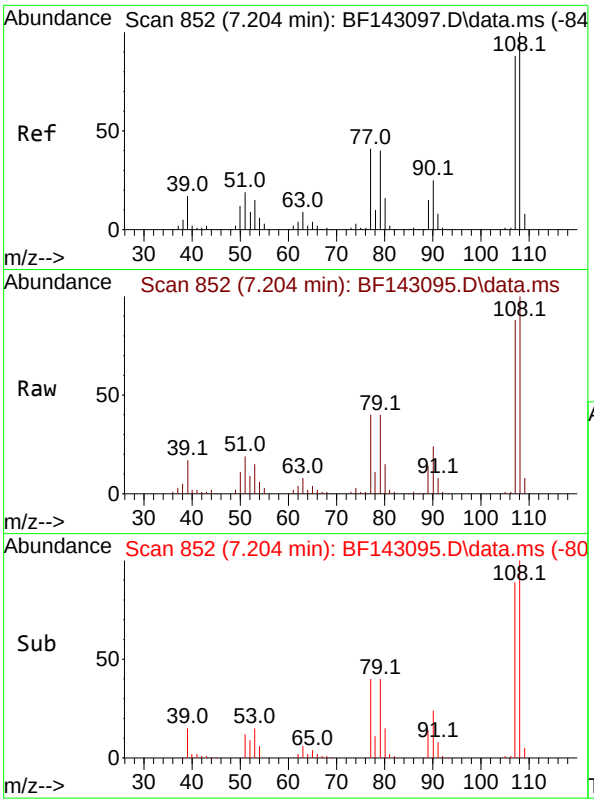


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.299 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 45 Resp: 163494

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.1
79	8.6	0.0	28.4



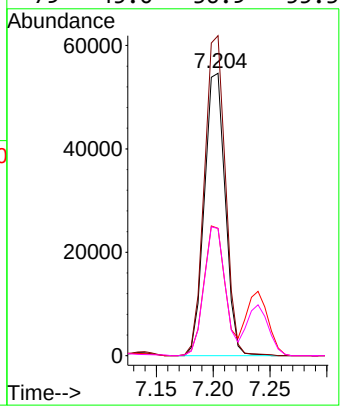


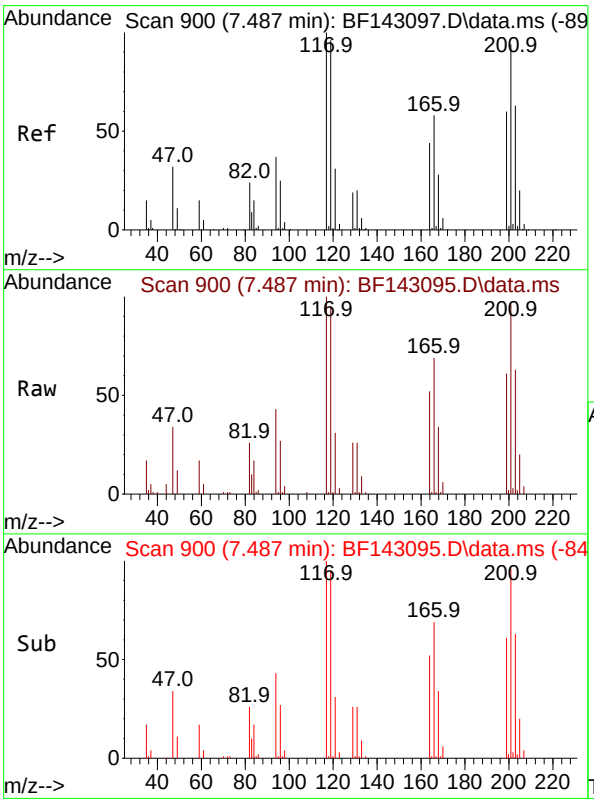
#17
2-Methylphenol
Concen: 9.849 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 69808

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.9	136.3
77	45.1	37.5	56.3
79	45.0	36.9	55.3

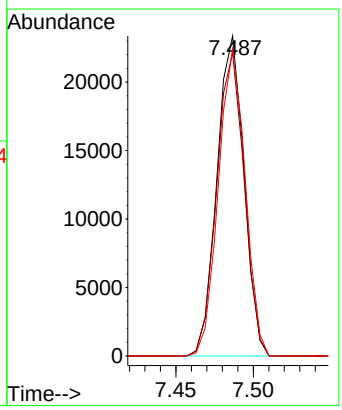


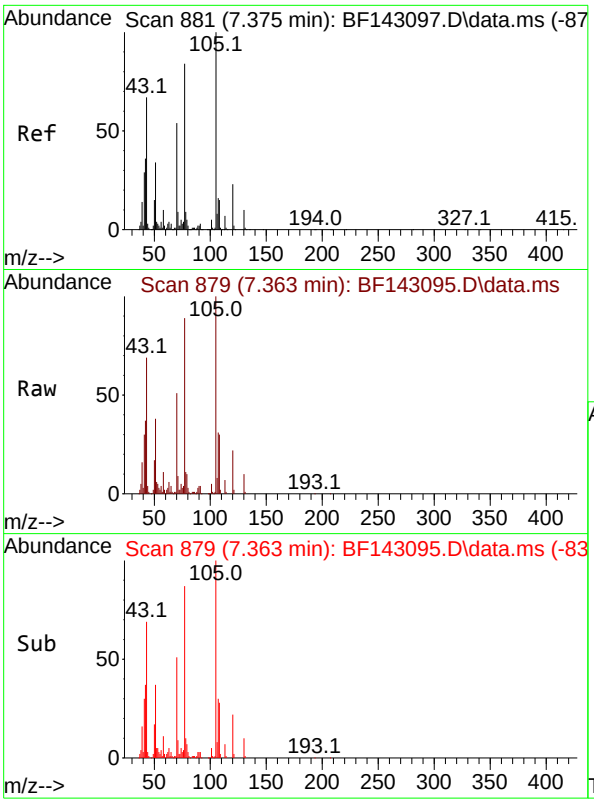


#18
Hexachloroethane
Concen: 9.345 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:117 Resp: 28400

Ion	Ratio	Lower	Upper
117	100		
119	94.7	76.7	115.1
201	95.9	75.0	112.4



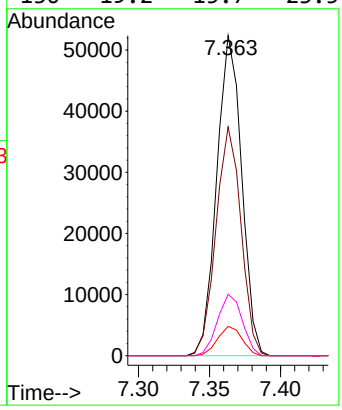


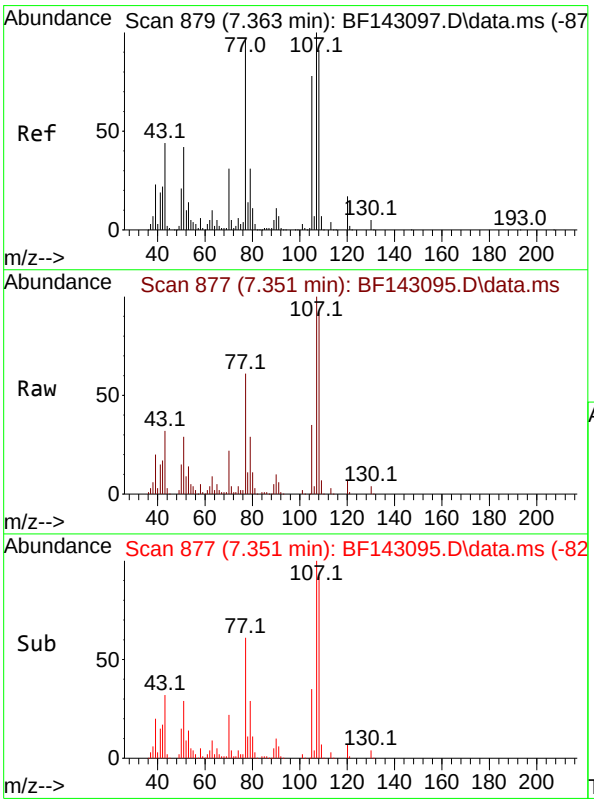
#19
n-Nitroso-di-n-propylamine
Concen: 10.139 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 63831

Ion	Ratio	Lower	Upper
70	100		
42	71.4	53.2	79.8
101	9.2	7.5	11.3
130	19.2	15.7	23.5

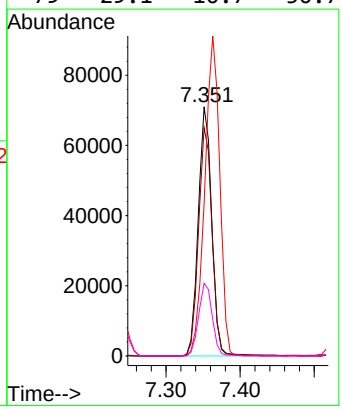


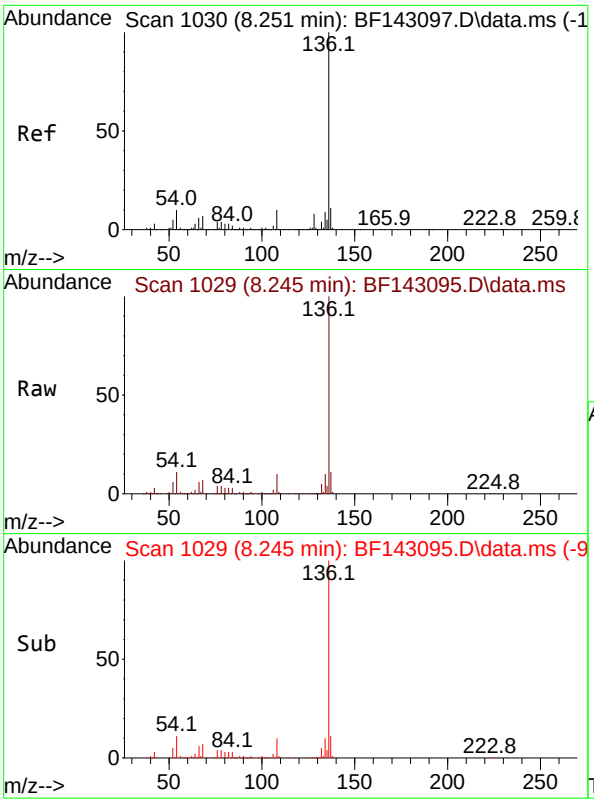


#20
3+4-Methylphenols
Concen: 10.391 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 90318

Ion	Ratio	Lower	Upper
107	100		
108	91.6	71.3	111.3
77	61.4	77.2	117.2#
79	29.1	10.7	50.7



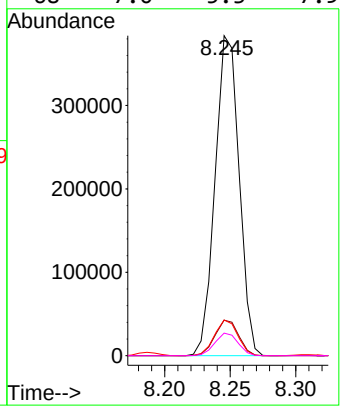


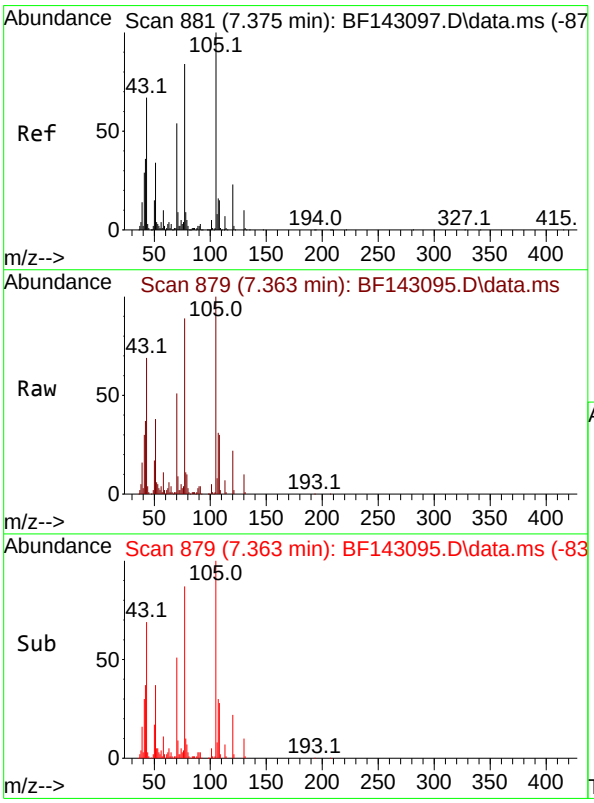
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 488635

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	11.2	8.3	12.5
68	7.0	5.3	7.9

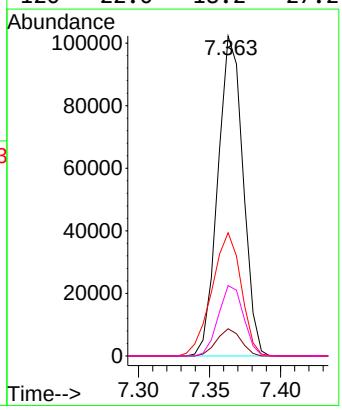


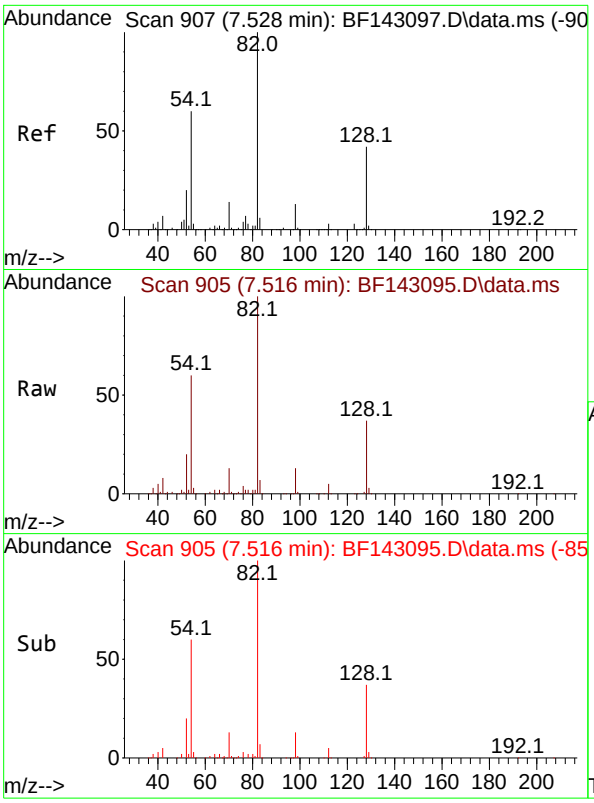


#22
Acetophenone
Concen: 10.708 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:105 Resp: 126127

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.2	10.8
51	38.5	27.0	40.4
120	22.0	18.2	27.2



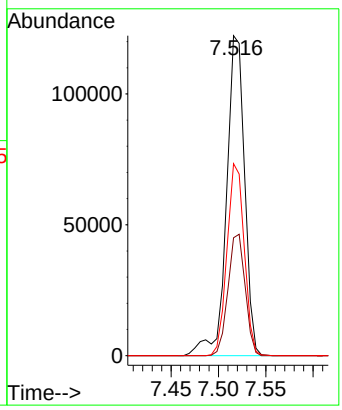


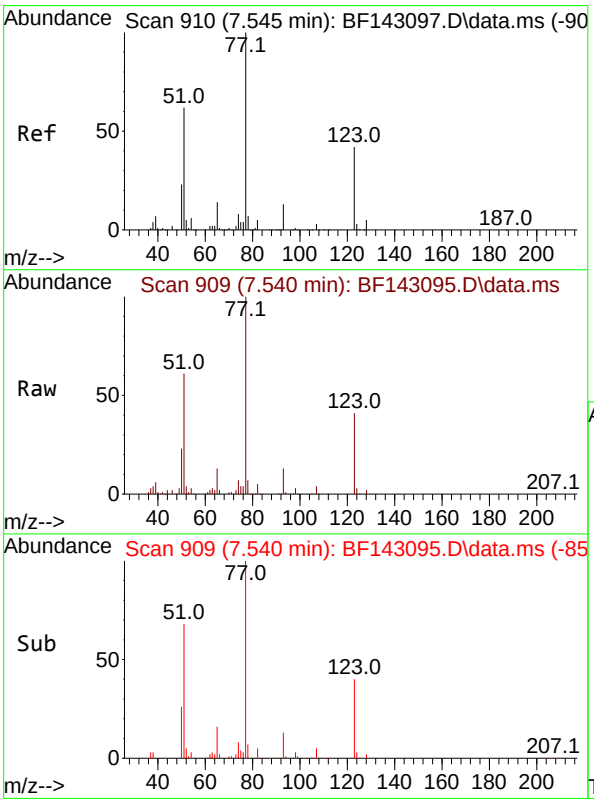
#23
Nitrobenzene-d5
Concen: 18.706 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 162939

Ion	Ratio	Lower	Upper
82	100		
128	36.8	33.3	49.9
54	60.0	47.4	71.2

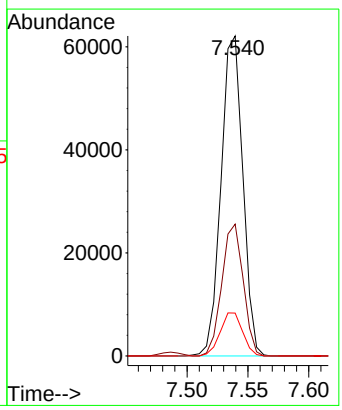


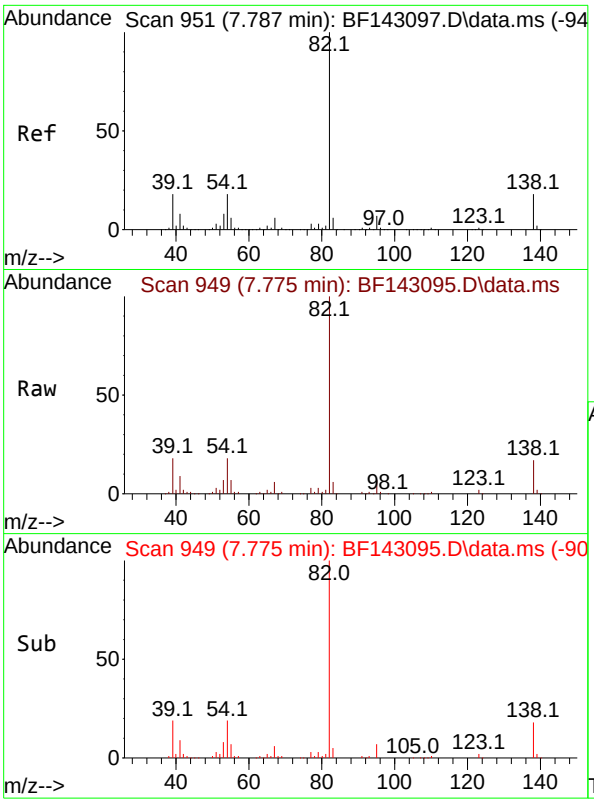


#24
Nitrobenzene
Concen: 9.201 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 77 Resp: 77369

Ion	Ratio	Lower	Upper
77	100		
123	41.2	34.5	51.7
65	13.4	11.3	16.9



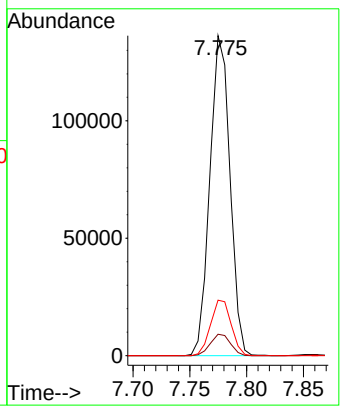


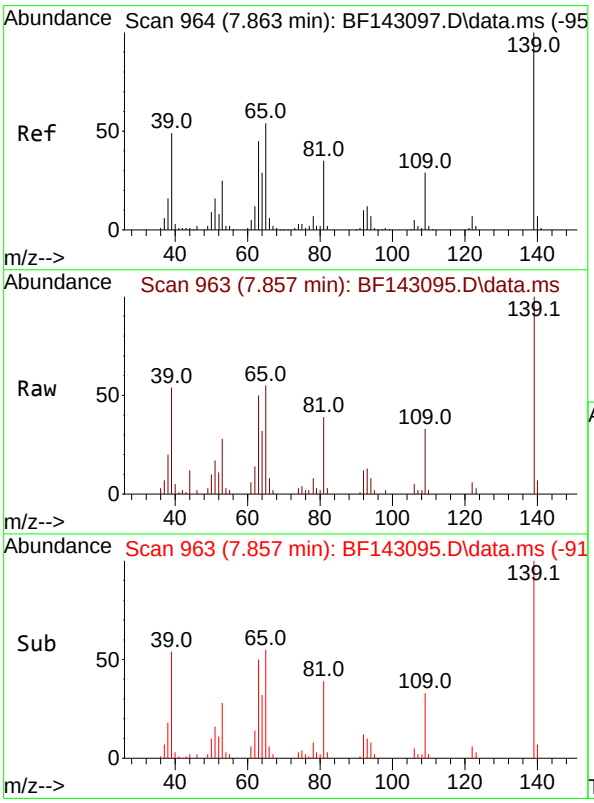
#25
Isophorone
Concen: 9.978 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 167986

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	17.4	14.3	21.5

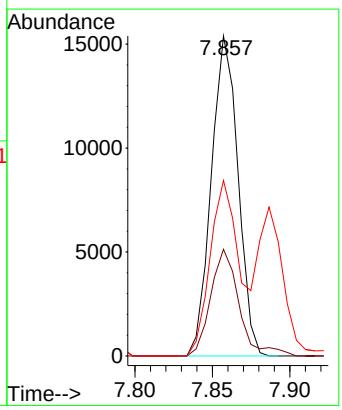


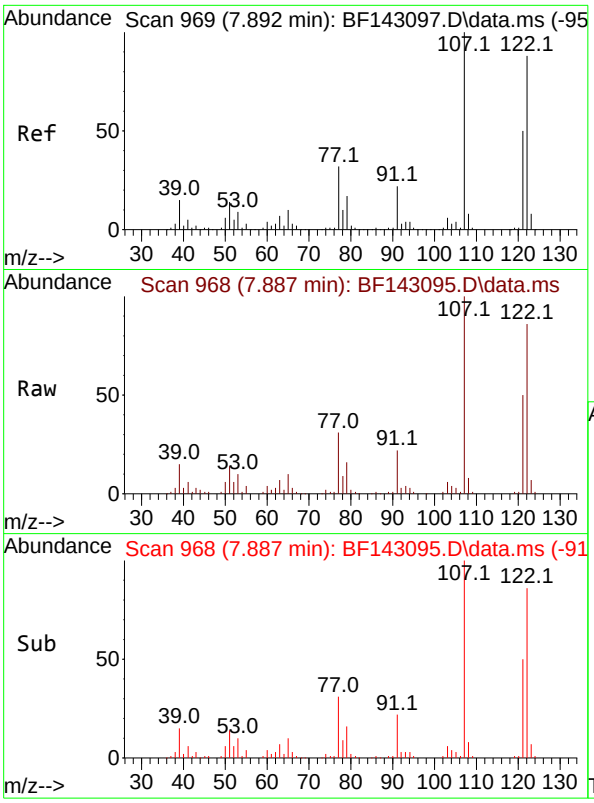


#26
2-Nitrophenol
Concen: 8.966 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 18432

Ion	Ratio	Lower	Upper
139	100		
109	33.4	23.4	35.0
65	54.8	43.4	65.2



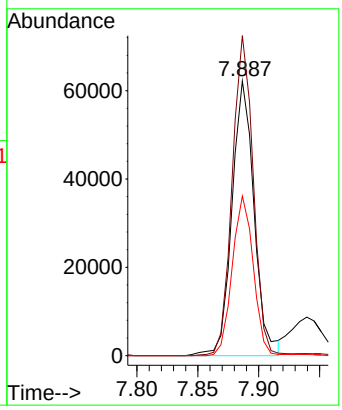


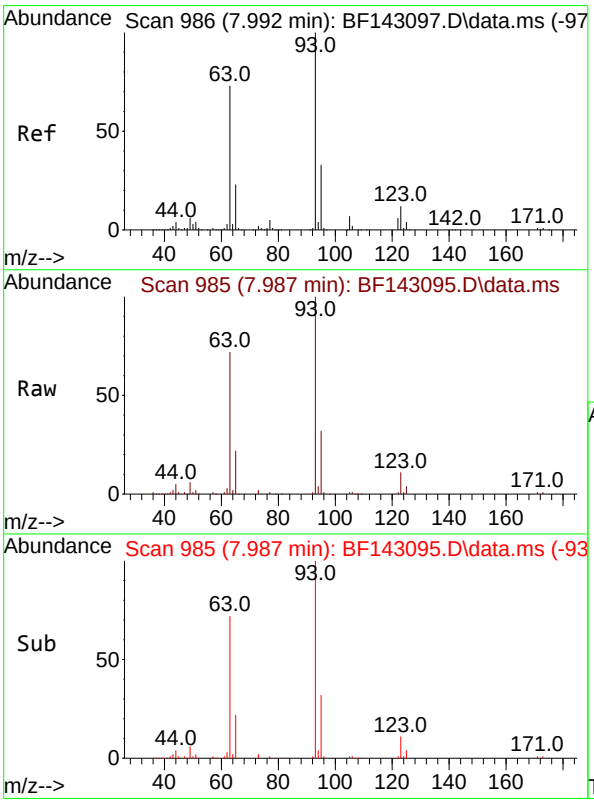
#27
2,4-Dimethylphenol
Concen: 10.072 ng
RT: 7.887 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 78706

Ion	Ratio	Lower	Upper
122	100		
107	116.5	91.3	136.9
121	58.1	45.5	68.3

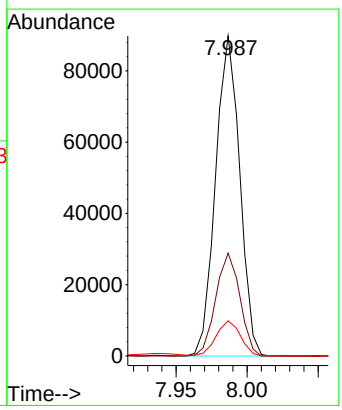


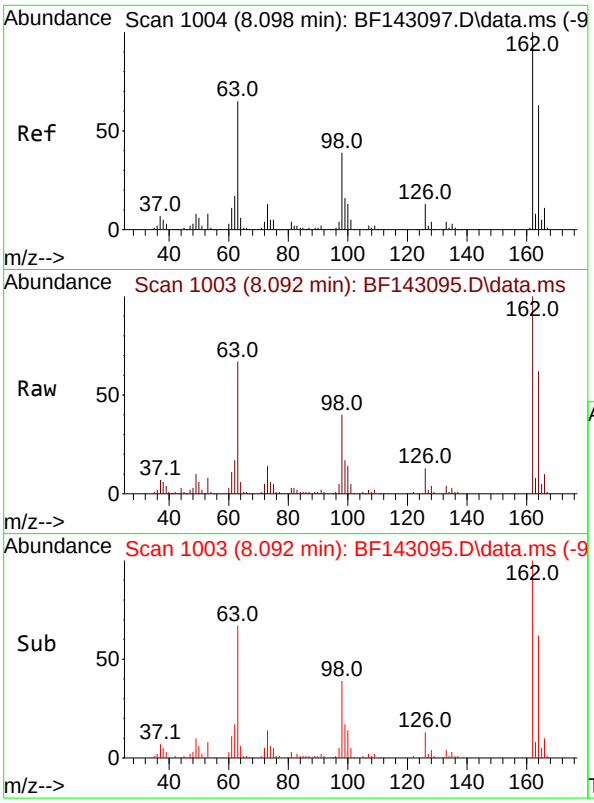


#28
bis(2-Chloroethoxy)methane
Concen: 10.387 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 93 Resp: 106045

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.2	39.4
123	11.0	9.6	14.4



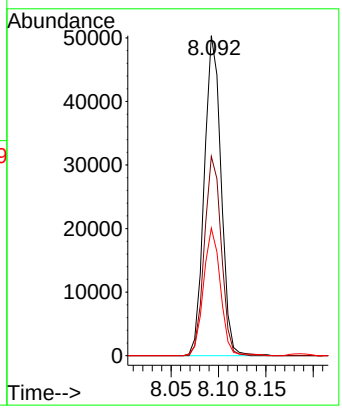


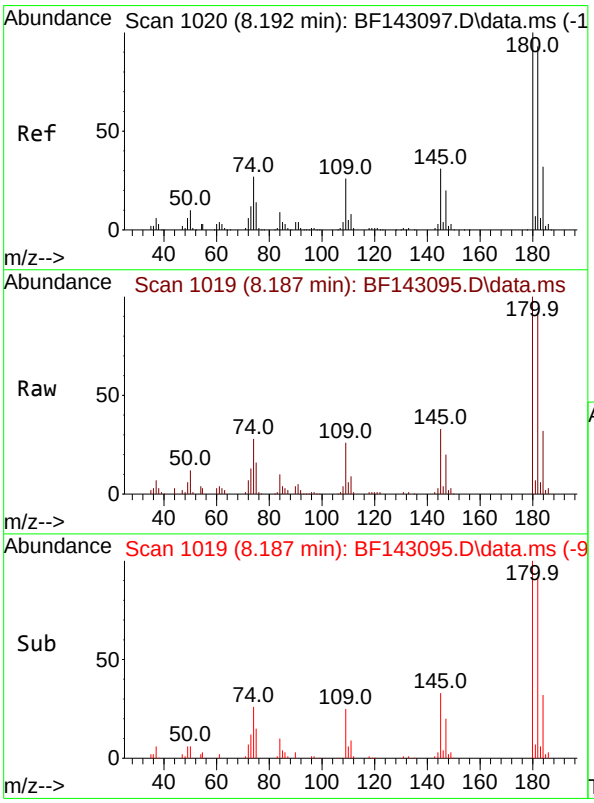
#29
2,4-Dichlorophenol
Concen: 9.724 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 62164

Ion	Ratio	Lower	Upper
162	100		
164	62.3	43.1	83.1
98	39.8	19.2	59.2

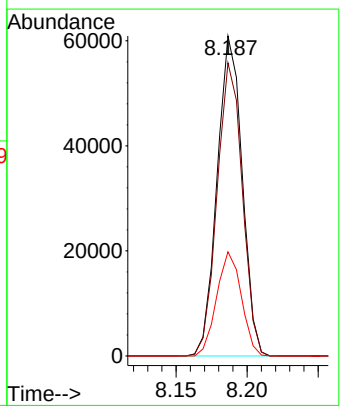


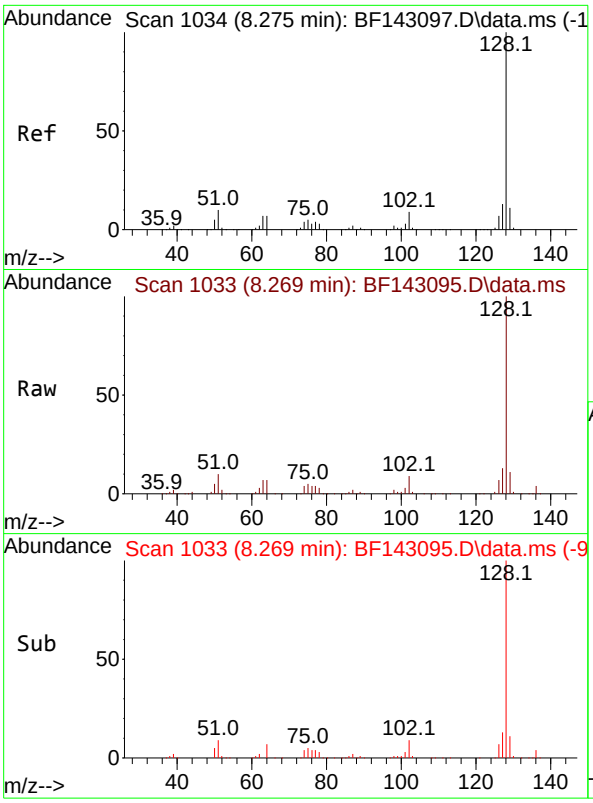


#30
1,2,4-Trichlorobenzene
Concen: 10.280 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:180 Resp: 74581

Ion	Ratio	Lower	Upper
180	100		
182	91.6	74.7	112.1
145	32.5	24.5	36.7



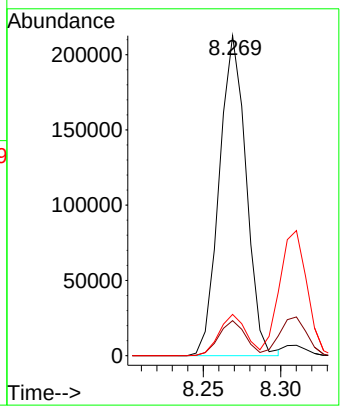


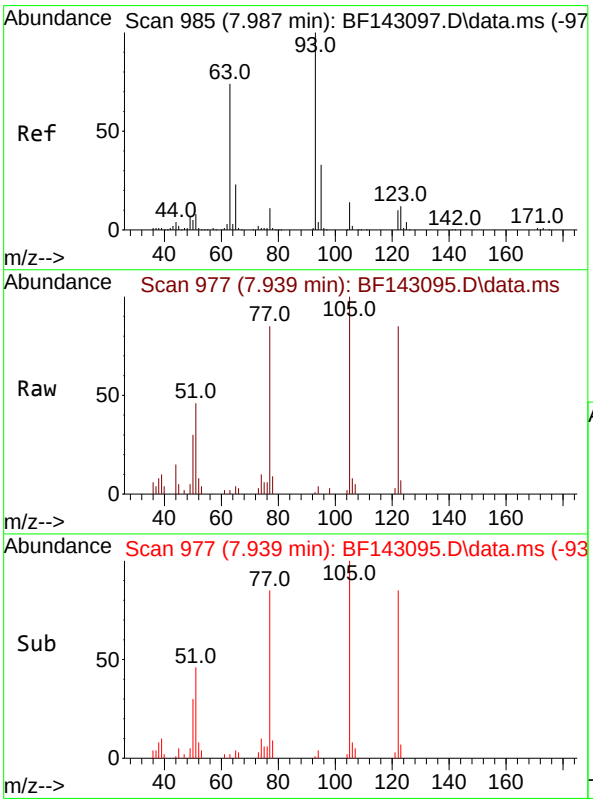
#31
Naphthalene
Concen: 10.551 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 256031

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.0	13.4
127	12.9	10.5	15.7

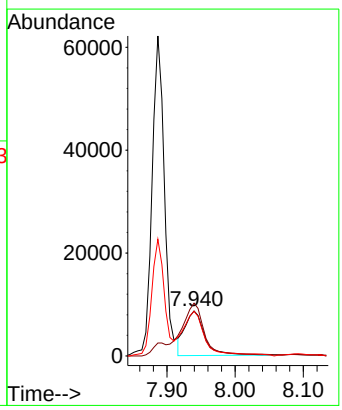


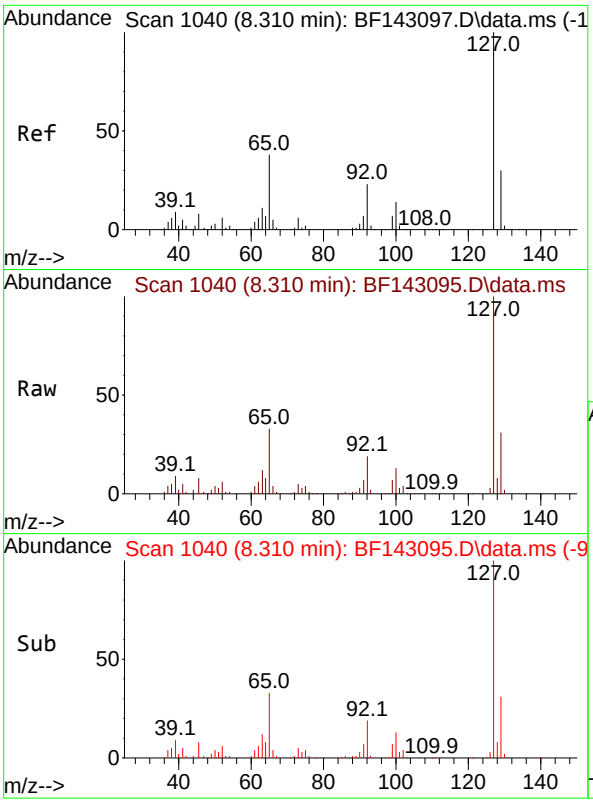


#32
Benzoic acid
Concen: 10.366 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.048 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:122 Resp: 17349

Ion	Ratio	Lower	Upper
122	100		
105	117.5	105.4	145.4
77	99.5	78.6	118.6



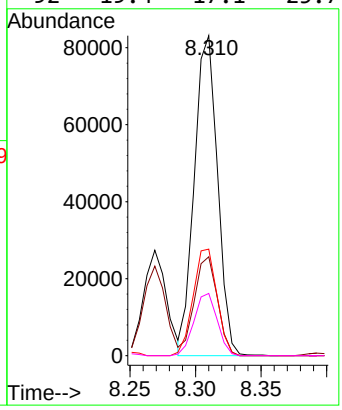


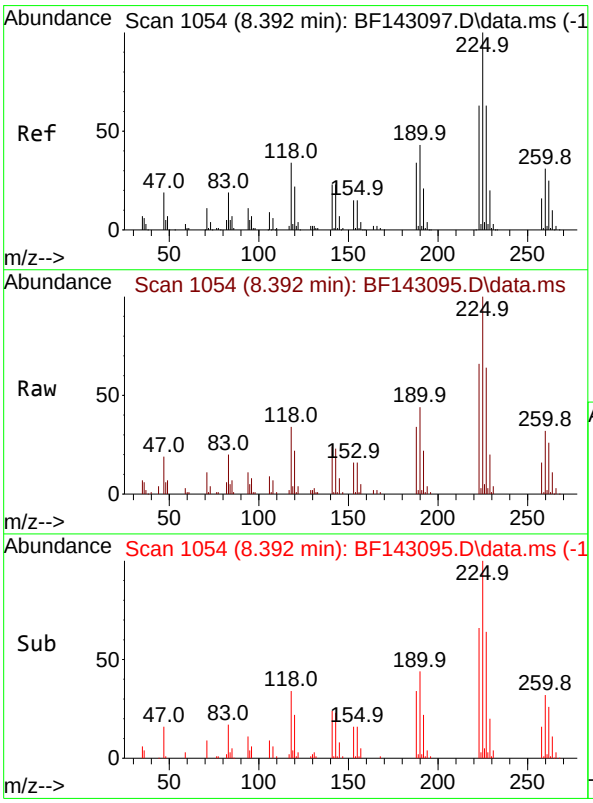
#33
4-Chloroaniline
Concen: 10.510 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 102550

Ion	Ratio	Lower	Upper
127	100		
129	30.9	26.2	39.4
65	33.3	28.6	42.8
92	19.4	17.1	25.7

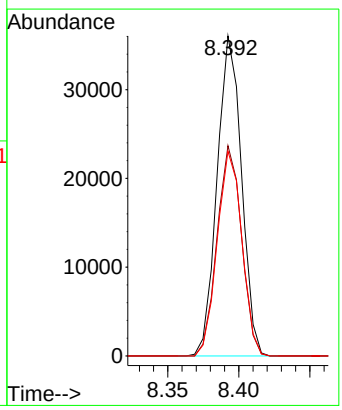


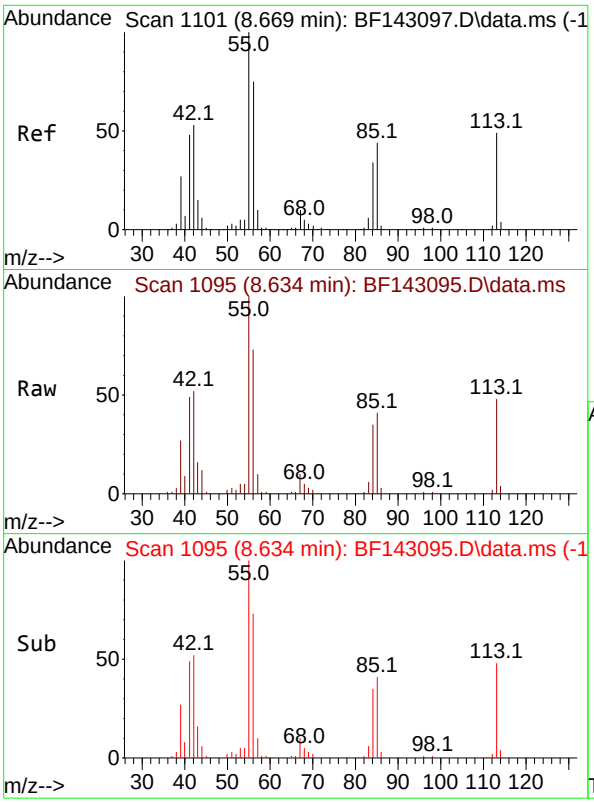


#34
Hexachlorobutadiene
Concen: 9.901 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:225 Resp: 42959

Ion	Ratio	Lower	Upper
225	100		
223	65.7	50.3	75.5
227	63.9	50.1	75.1



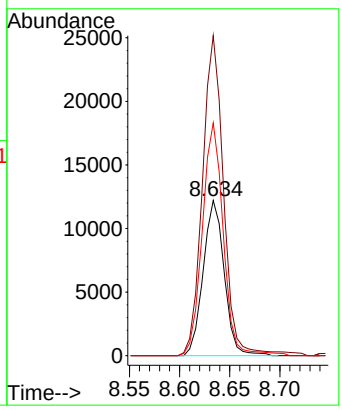


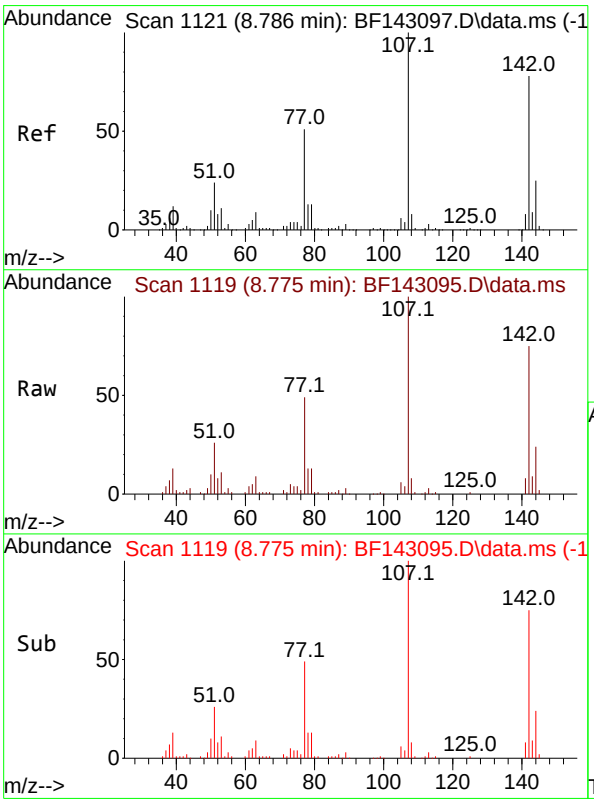
#35
Caprolactam
Concen: 8.944 ng
RT: 8.634 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 17855

Ion	Ratio	Lower	Upper
113	100		
55	206.2	186.2	226.2
56	150.0	134.1	174.1

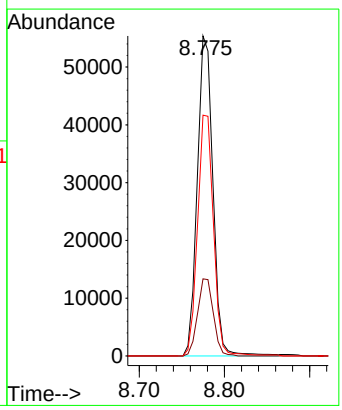


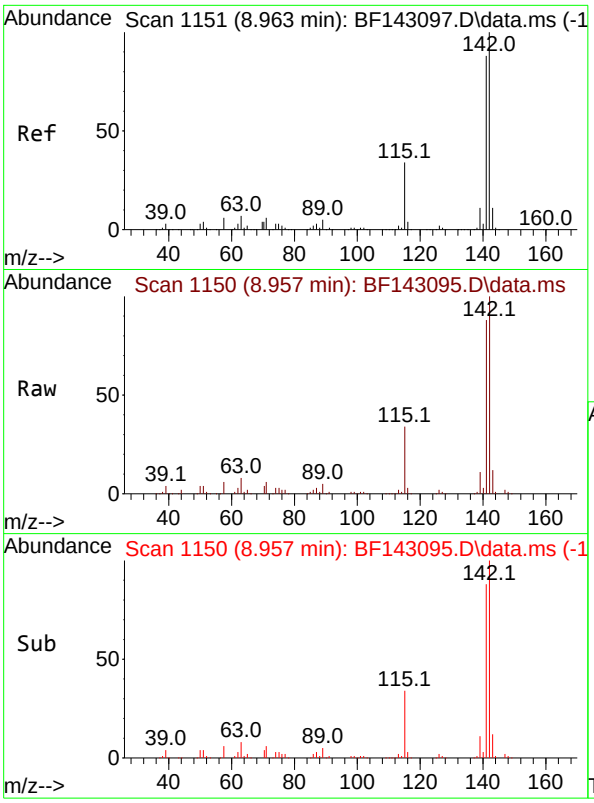


#36
4-Chloro-3-methylphenol
Concen: 9.935 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:107 Resp: 70747

Ion	Ratio	Lower	Upper
107	100		
144	24.1	20.2	30.2
142	75.2	62.4	93.6



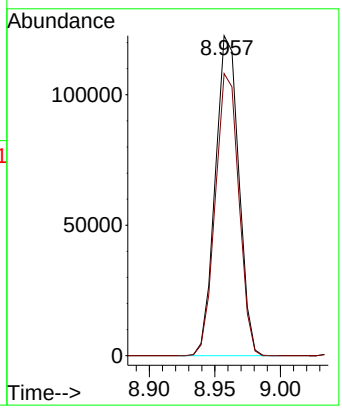


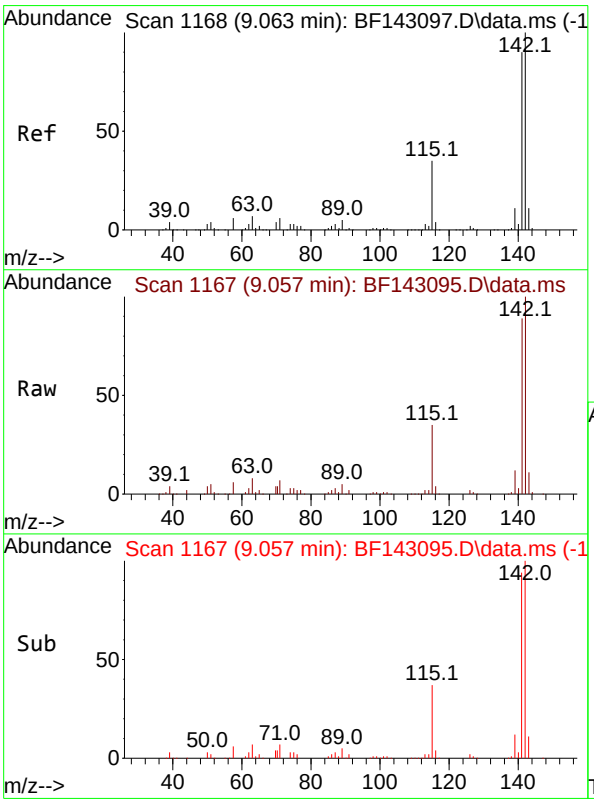
#37
2-Methylnaphthalene
Concen: 10.557 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 152822

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.2	105.2

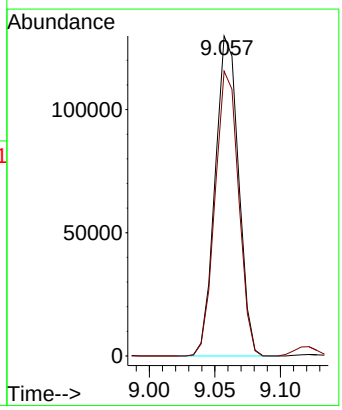


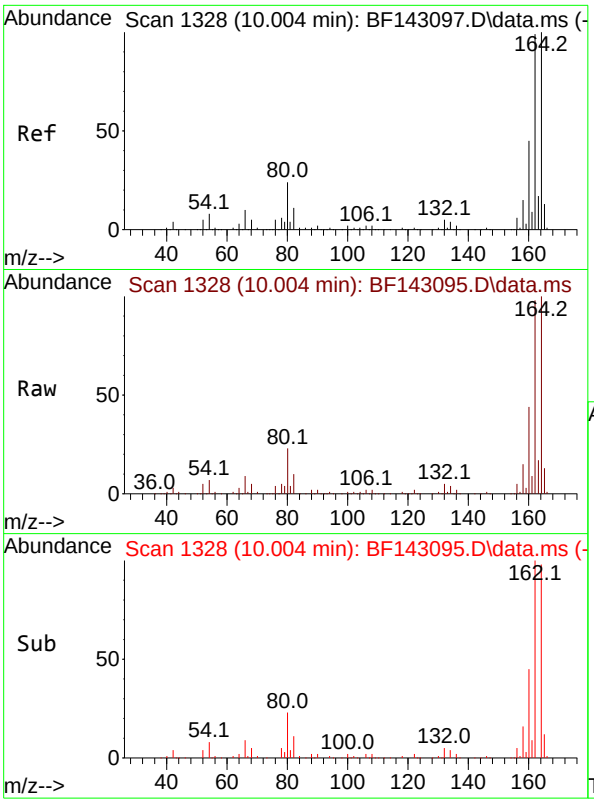


#38
1-Methylnaphthalene
Concen: 10.739 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:142 Resp: 161228

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.2	108.4



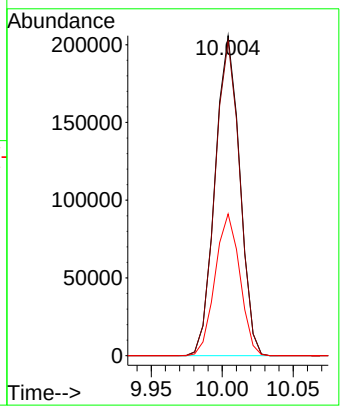


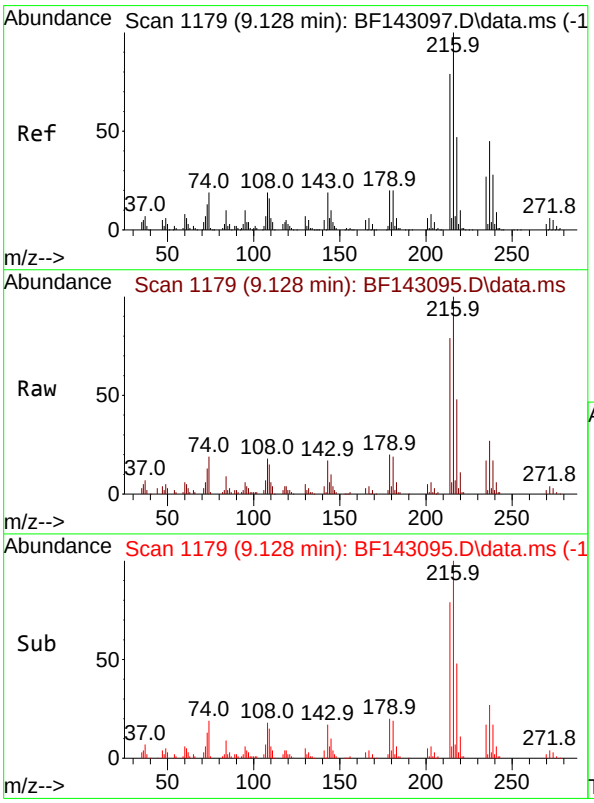
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 248013

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	44.3	35.8	53.6

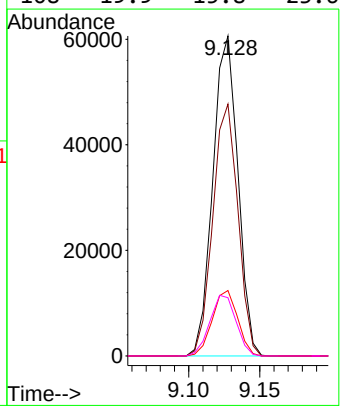


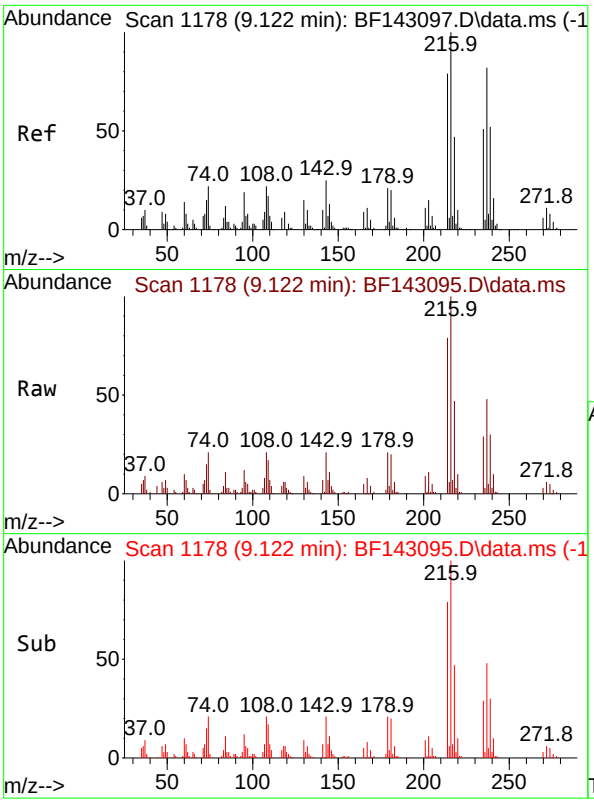


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.287 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:216 Resp: 74348

Ion	Ratio	Lower	Upper
216	100		
214	78.7	62.6	94.0
179	20.7	16.2	24.2
108	19.9	15.8	23.6



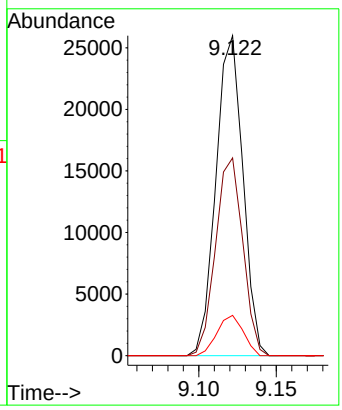


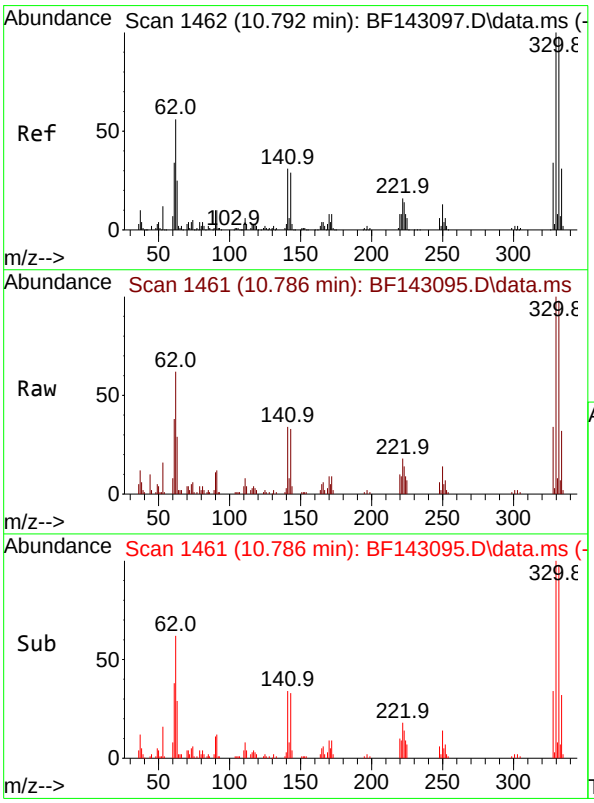
#41
Hexachlorocyclopentadiene
Concen: 7.854 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 31472

Ion	Ratio	Lower	Upper
237	100		
235	61.8	41.6	81.6
272	12.6	0.0	32.9

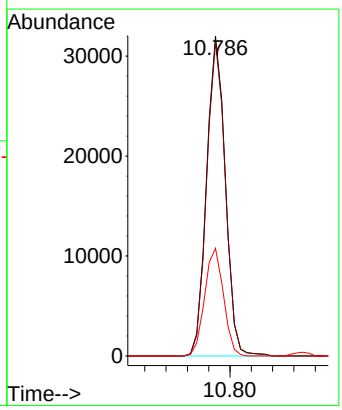


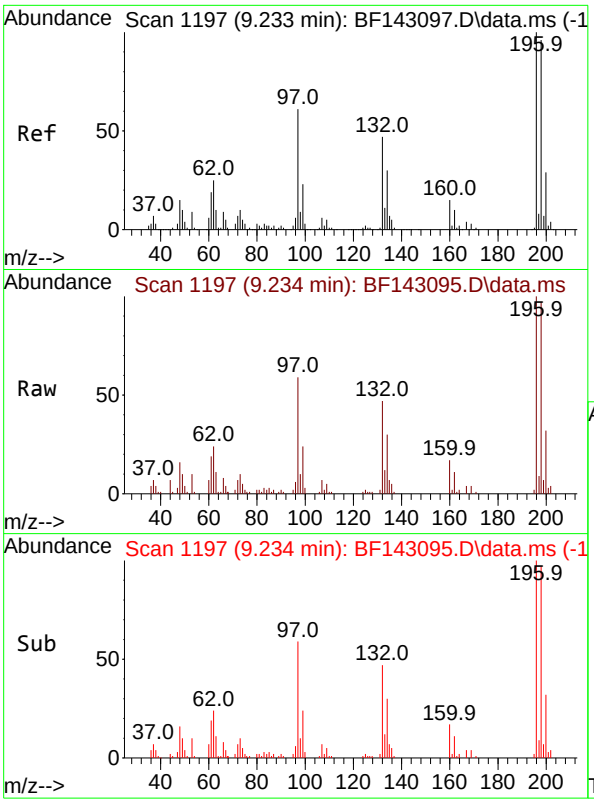


#42
2,4,6-Tribromophenol
Concen: 17.661 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:330 Resp: 39055

Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.9	116.9
141	33.8	25.9	38.9



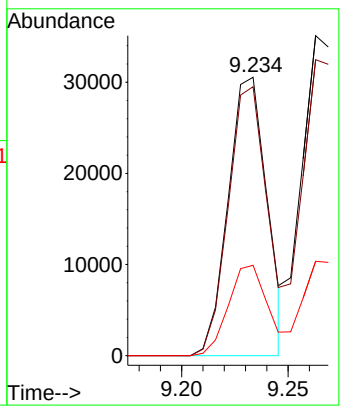


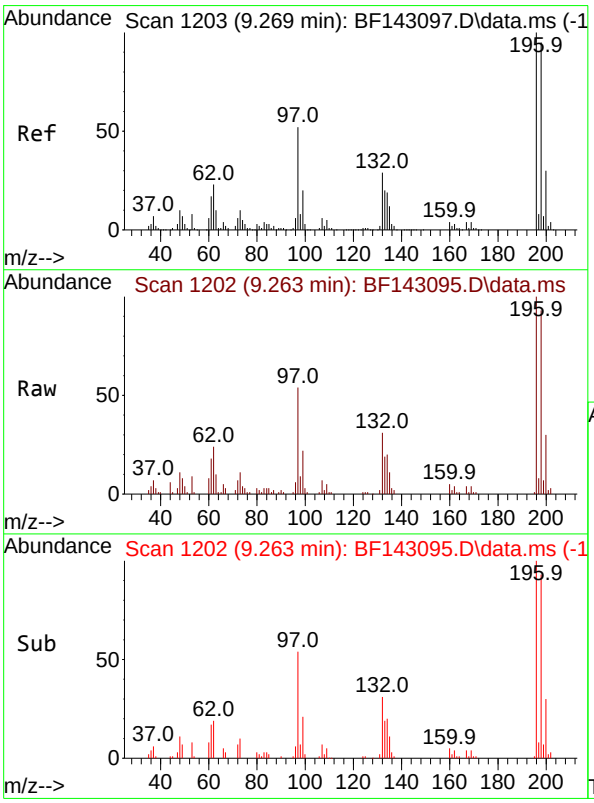
#43
2,4,6-Trichlorophenol
Concen: 8.628 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 38748

Ion	Ratio	Lower	Upper
196	100		
198	96.6	76.9	115.3
200	32.5	23.5	35.3

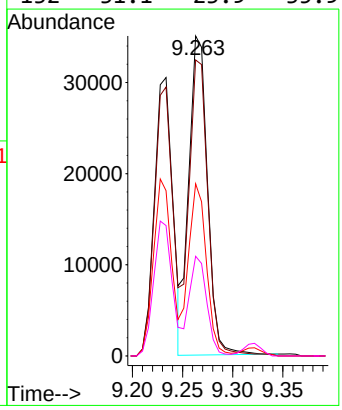


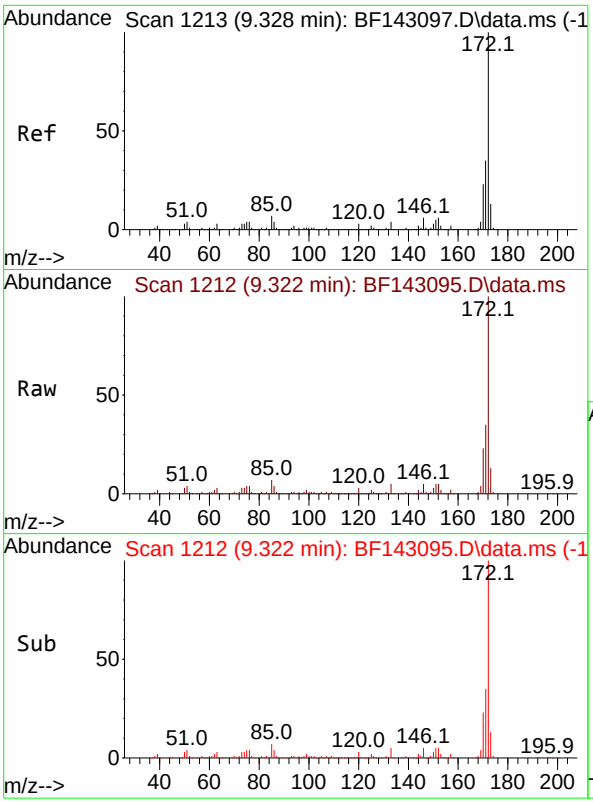


#44
2,4,5-Trichlorophenol
Concen: 9.653 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:196 Resp: 45455

Ion	Ratio	Lower	Upper
196	100		
198	92.5	76.4	114.6
97	53.8	42.4	63.6
132	31.1	23.9	35.9



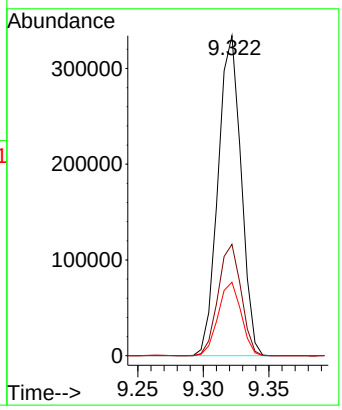


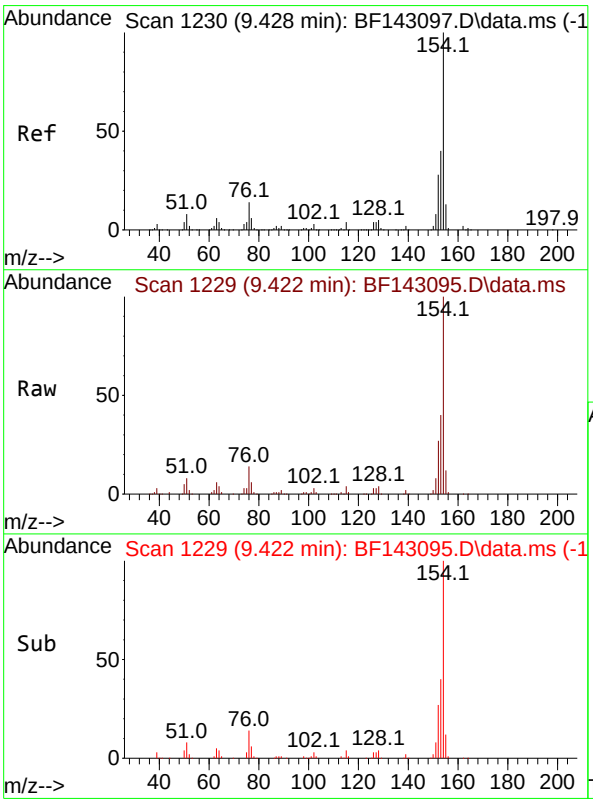
#45
2-Fluorobiphenyl
Concen: 21.860 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 407861

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.0	18.6	28.0

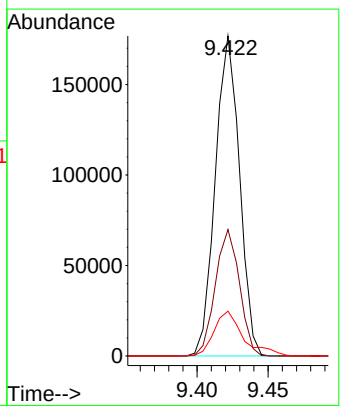


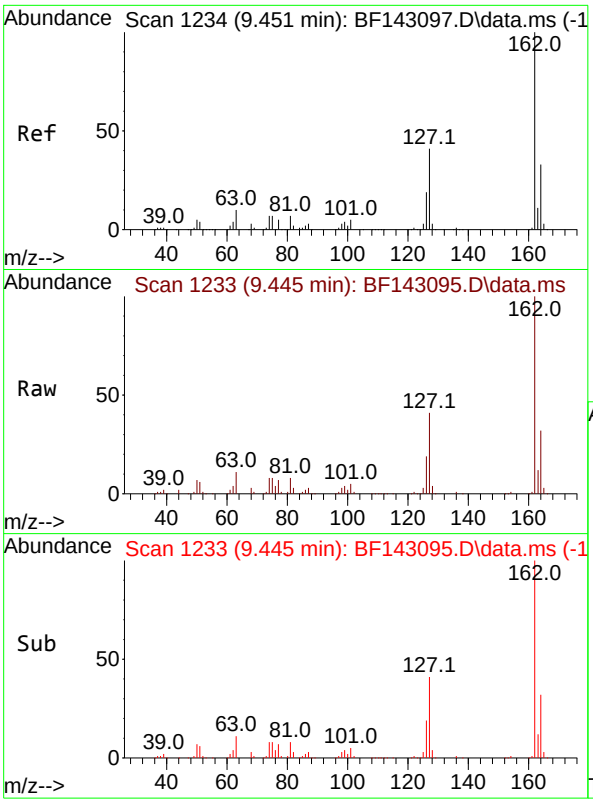


#46
1,1'-Biphenyl
Concen: 10.580 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 209259

Ion	Ratio	Lower	Upper
154	100		
153	39.5	20.1	60.1
76	14.0	0.0	33.7



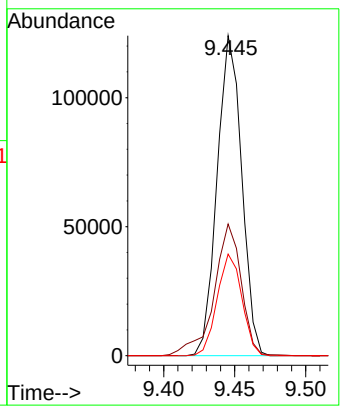


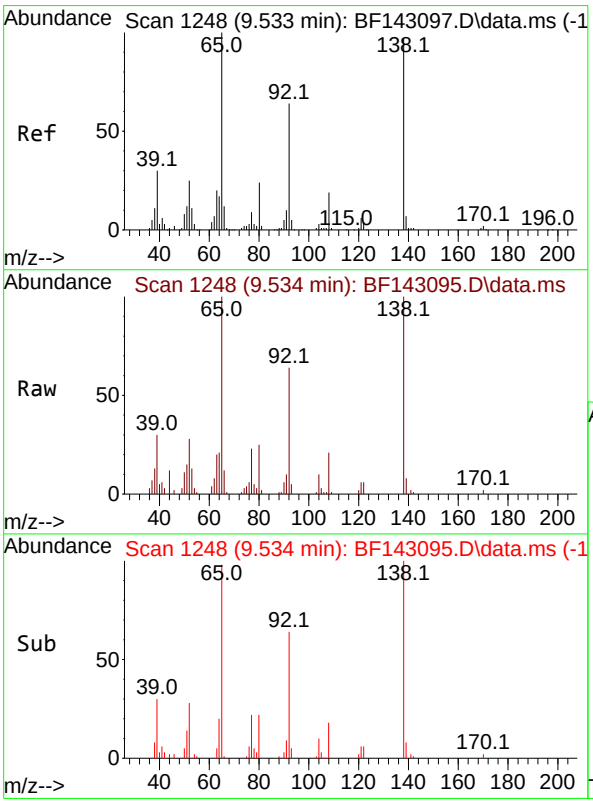
#47
2-Chloronaphthalene
Concen: 10.267 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 149175

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.0	49.6
164	31.8	26.1	39.1

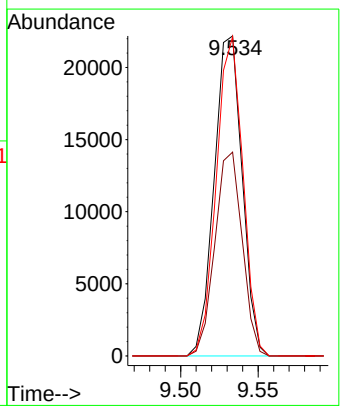


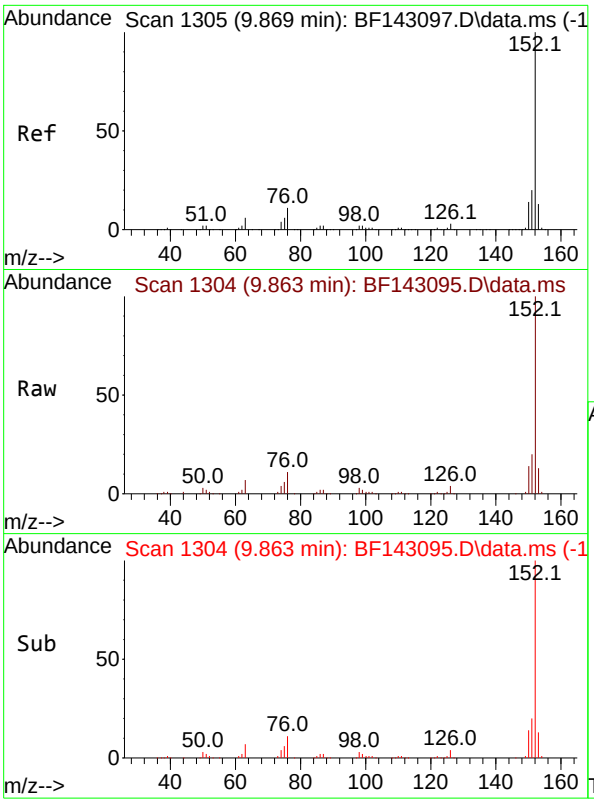


#48
2-Nitroaniline
Concen: 9.163 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.001 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion: 65 Resp: 27816

Ion	Ratio	Lower	Upper
65	100		
92	63.7	51.3	76.9
138	99.7	77.8	116.6



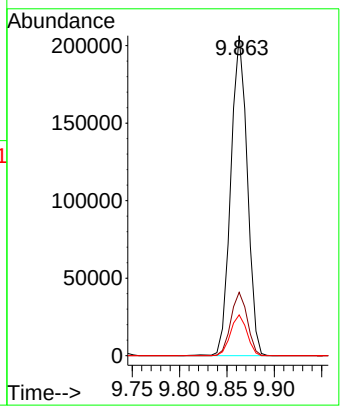


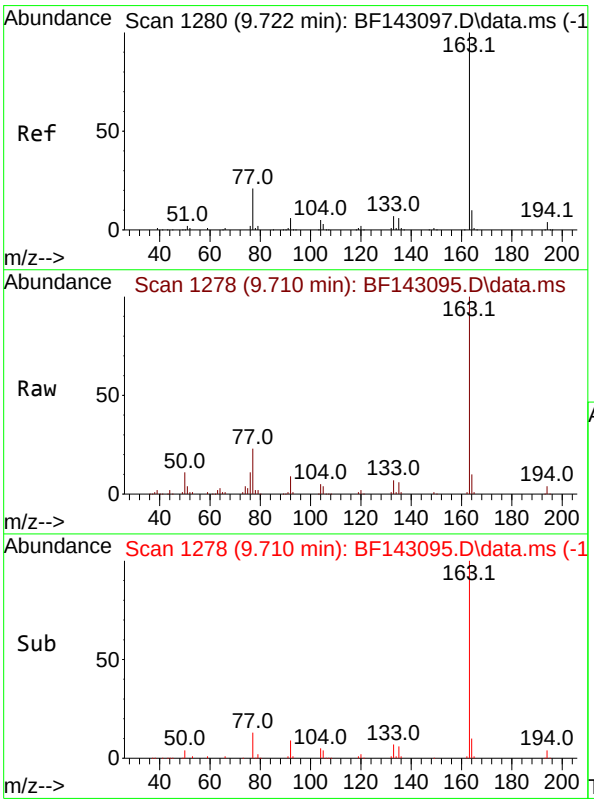
#49
Acenaphthylene
Concen: 10.302 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 249435

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	12.8	10.4	15.6

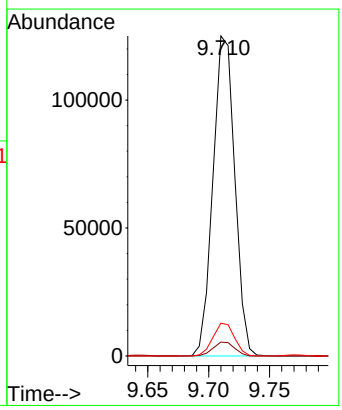


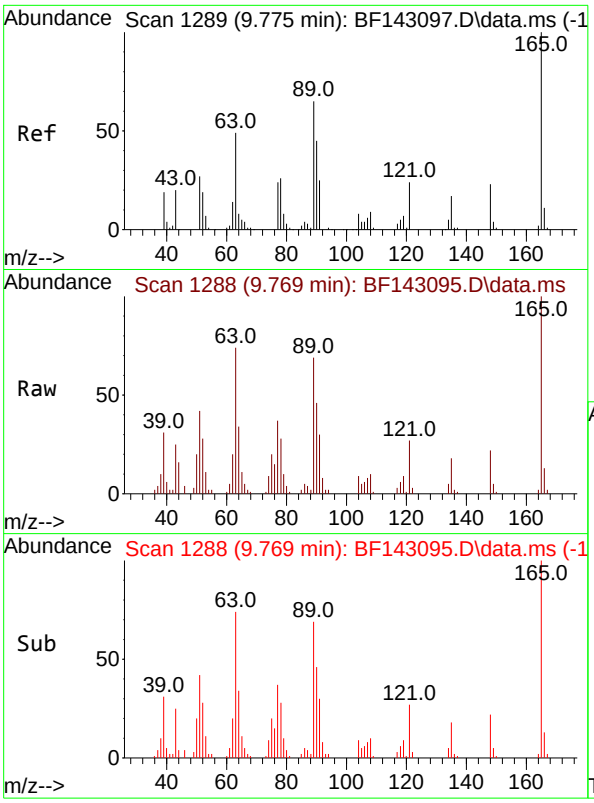


#50
Dimethylphthalate
Concen: 10.003 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:163 Resp: 156072

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2



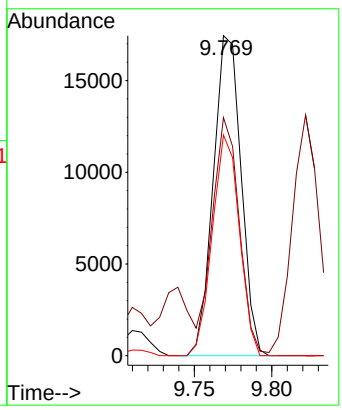


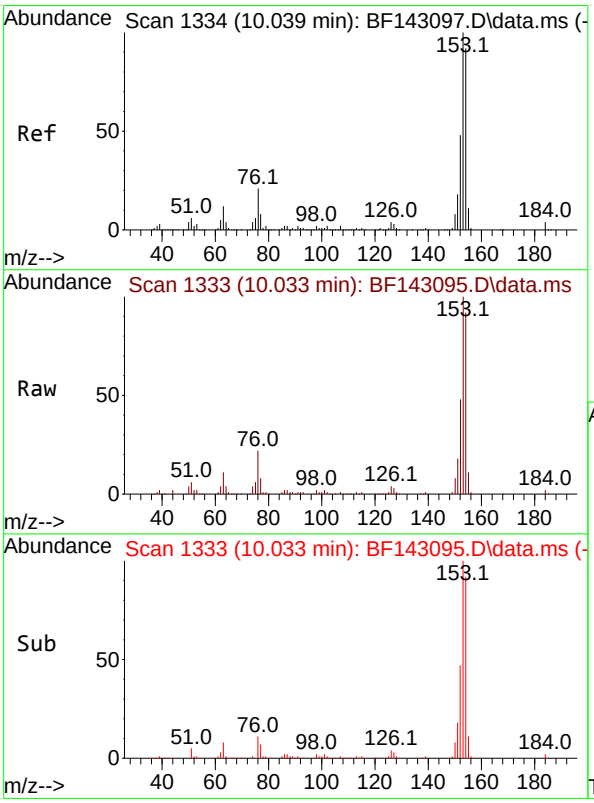
#51
2,6-Dinitrotoluene
Concen: 9.451 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 21789

Ion	Ratio	Lower	Upper
165	100		
63	74.4	57.4	86.0
89	69.0	51.8	77.8

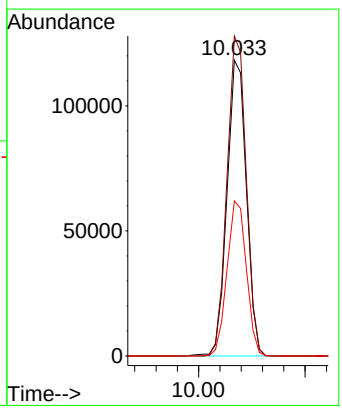


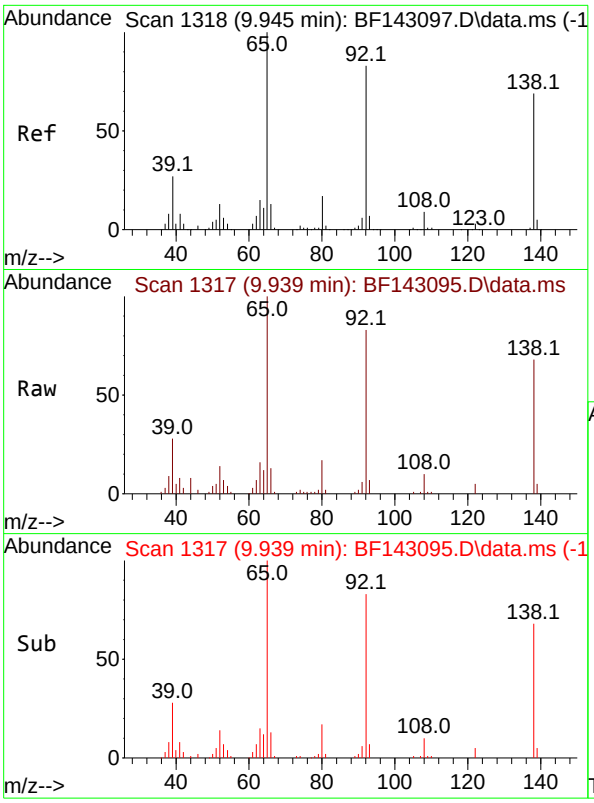


#52
Acenaphthene
Concen: 10.451 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:154 Resp: 149318

Ion	Ratio	Lower	Upper
154	100		
153	108.2	86.7	130.1
152	52.4	41.4	62.2



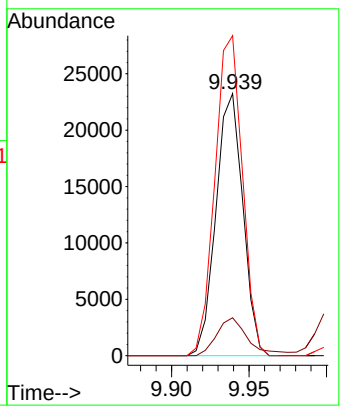


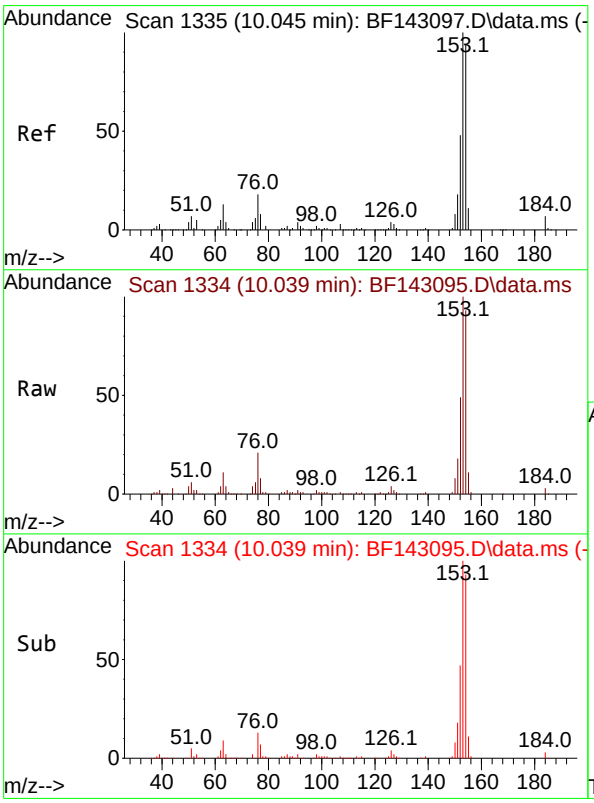
#53
3-Nitroaniline
Concen: 8.336 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 28105

Ion	Ratio	Lower	Upper
138	100		
108	14.5	10.1	15.1
92	122.1	96.4	144.6

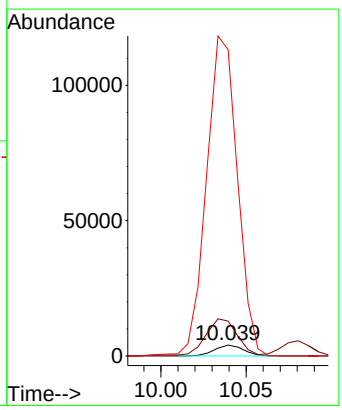


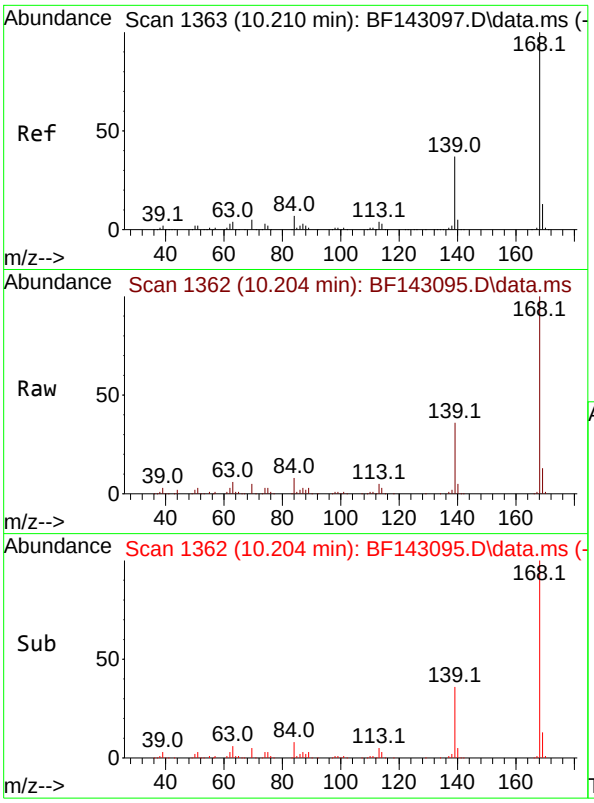


#54
2,4-Dinitrophenol
Concen: 10.239 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:184 Resp: 4729

Ion	Ratio	Lower	Upper
184	100		
63	321.1	149.3	223.9#
154	2815.4	1048.0	1572.0#



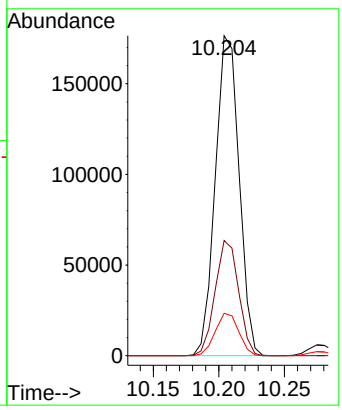


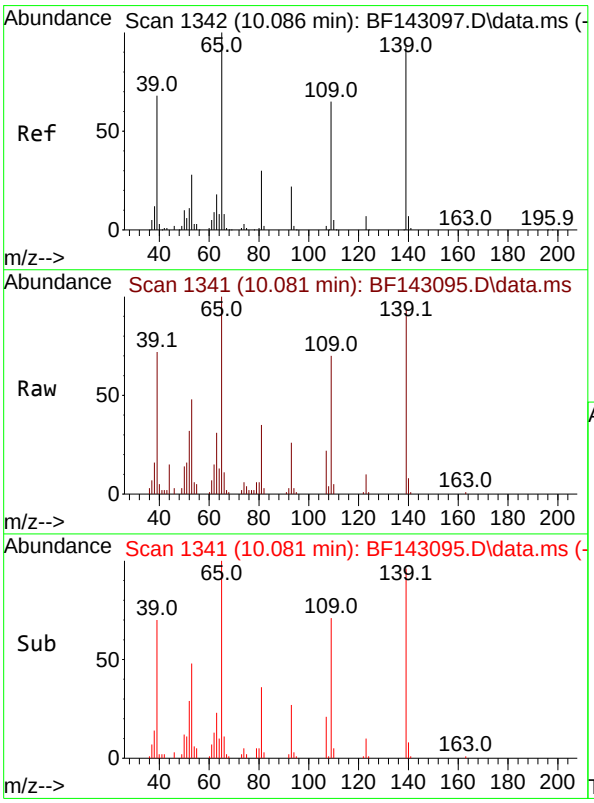
#55
Dibenzofuran
Concen: 10.451 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 222555

Ion	Ratio	Lower	Upper
168	100		
139	36.0	29.8	44.6
169	13.3	10.8	16.2

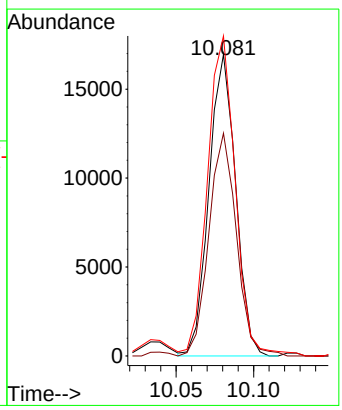


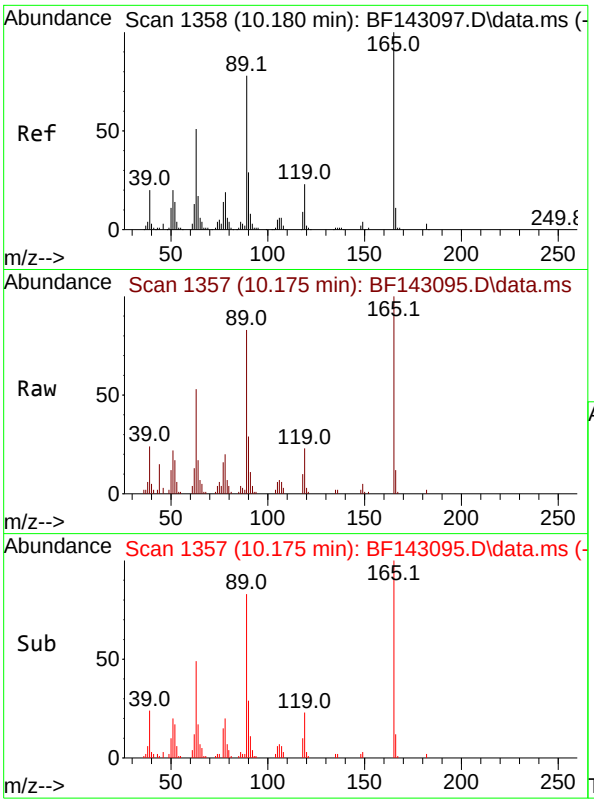


#56
4-Nitrophenol
Concen: 7.589 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:139 Resp: 20334

Ion	Ratio	Lower	Upper
139	100		
109	73.8	49.4	89.4
65	106.1	88.2	128.2



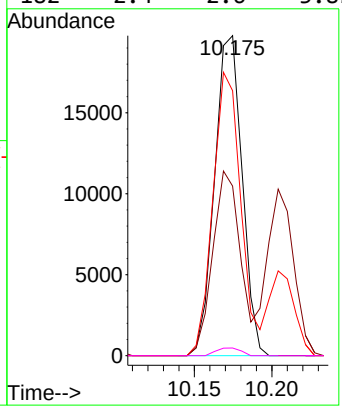


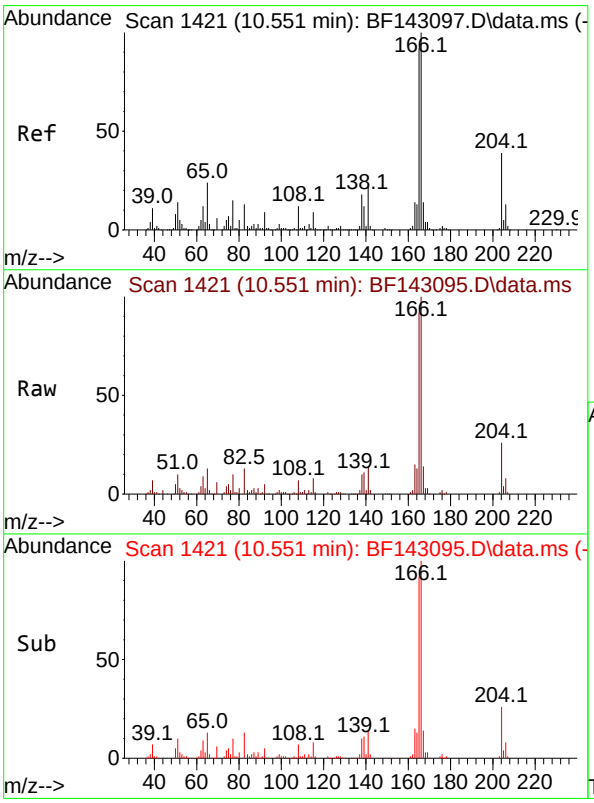
#57
2,4-Dinitrotoluene
Concen: 9.293 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 24420

Ion	Ratio	Lower	Upper
165	100		
63	53.0	40.6	61.0
89	82.8	62.3	93.5
182	2.4	2.6	3.8#

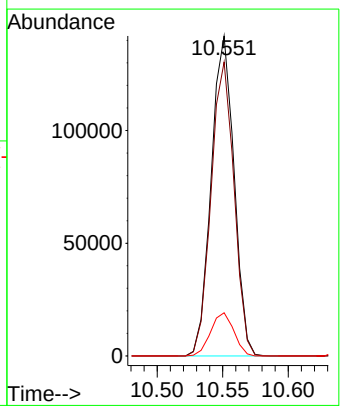


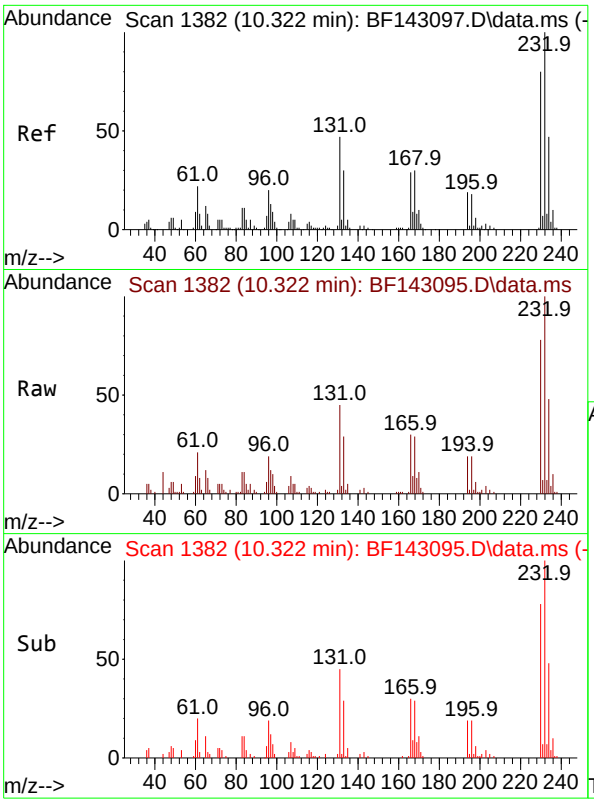


#58
Fluorene
Concen: 10.771 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:166 Resp: 171975

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.5	10.9	16.3



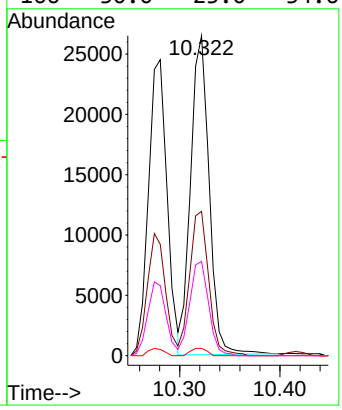


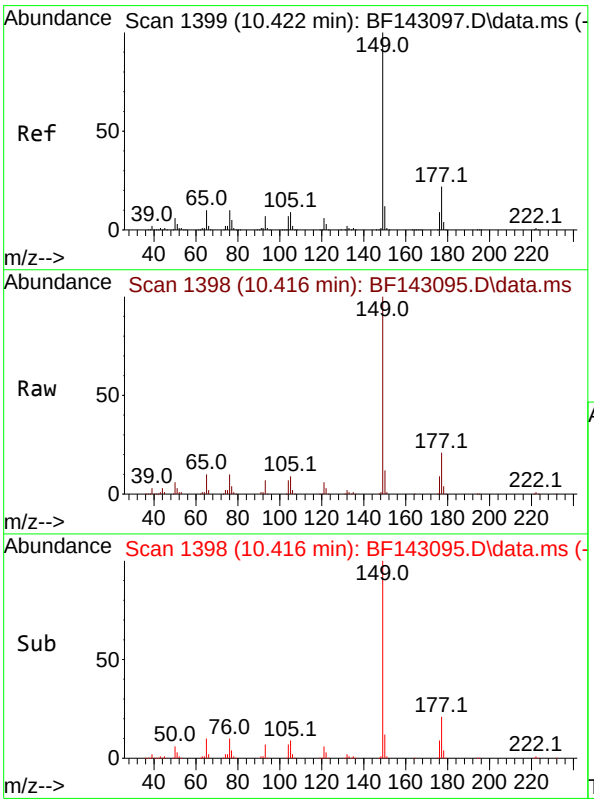
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.084 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 33995

Ion	Ratio	Lower	Upper
232	100		
131	46.3	36.9	55.3
130	2.0	1.8	2.8
166	30.0	23.0	34.6

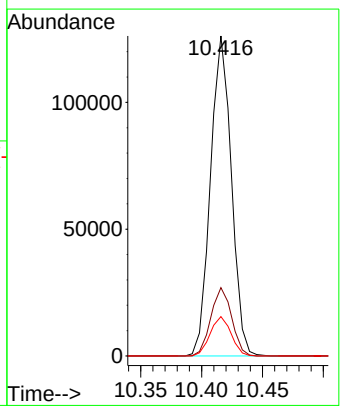


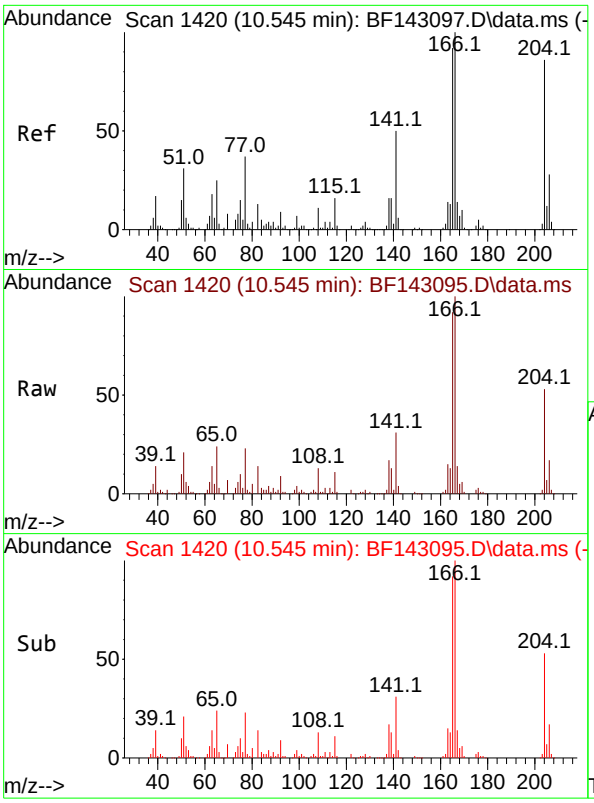


#60
Diethylphthalate
Concen: 10.027 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 150934

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.3	25.9
150	12.3	9.9	14.9



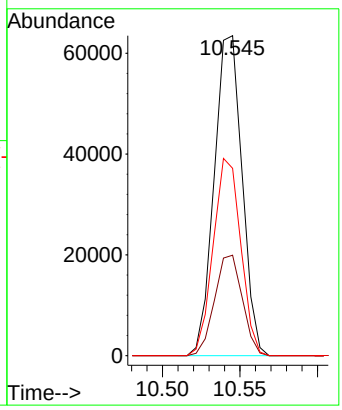


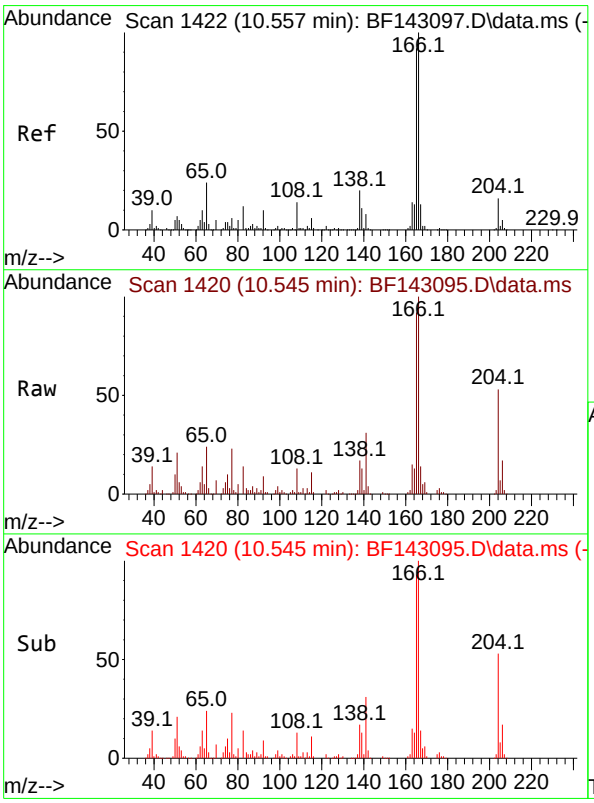
#61
4-Chlorophenyl-phenylether
Concen: 10.400 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 79583

Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.8	38.6
141	58.6	46.8	70.2

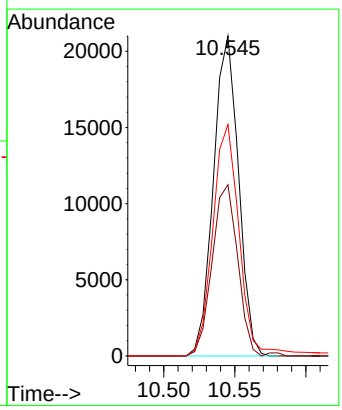


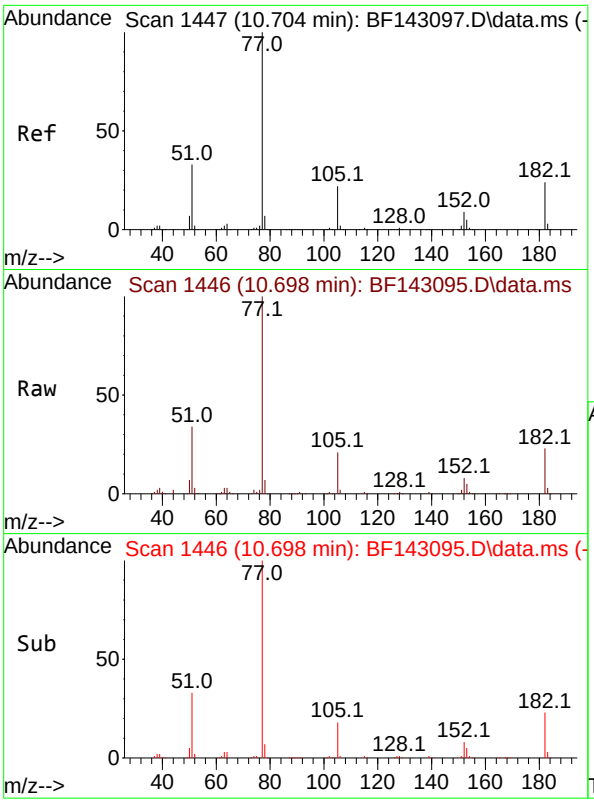


#62
4-Nitroaniline
Concen: 8.785 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:138 Resp: 25757

Ion	Ratio	Lower	Upper
138	100		
92	53.5	30.4	70.4
108	72.3	49.5	89.5



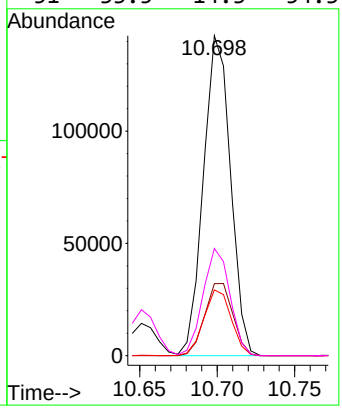


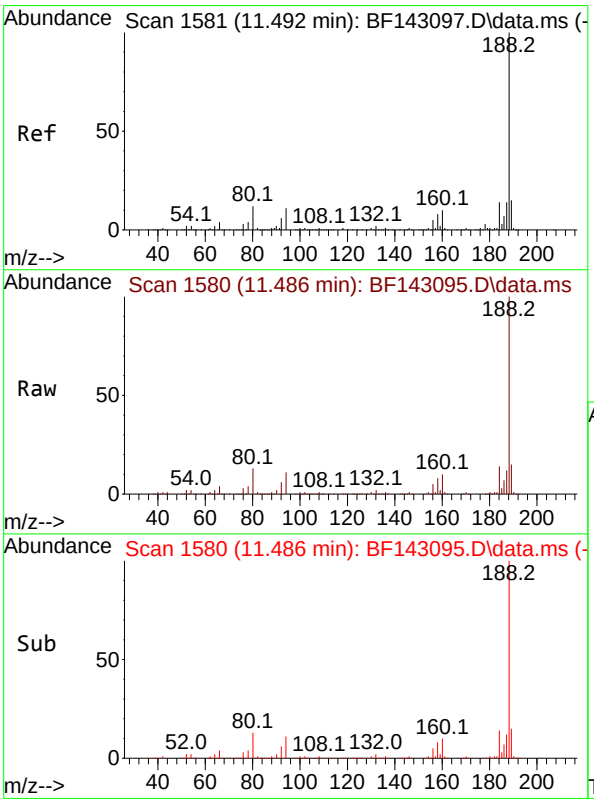
#63
Azobenzene
Concen: 10.418 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 173437

Ion	Ratio	Lower	Upper
77	100		
182	22.5	4.0	44.0
105	20.6	1.4	41.4
51	33.5	14.3	54.3

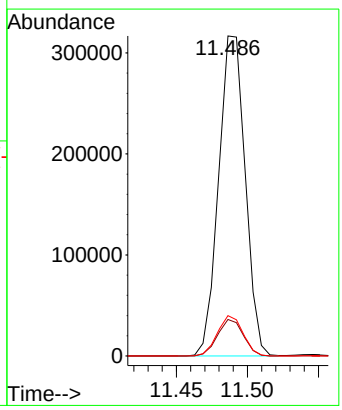


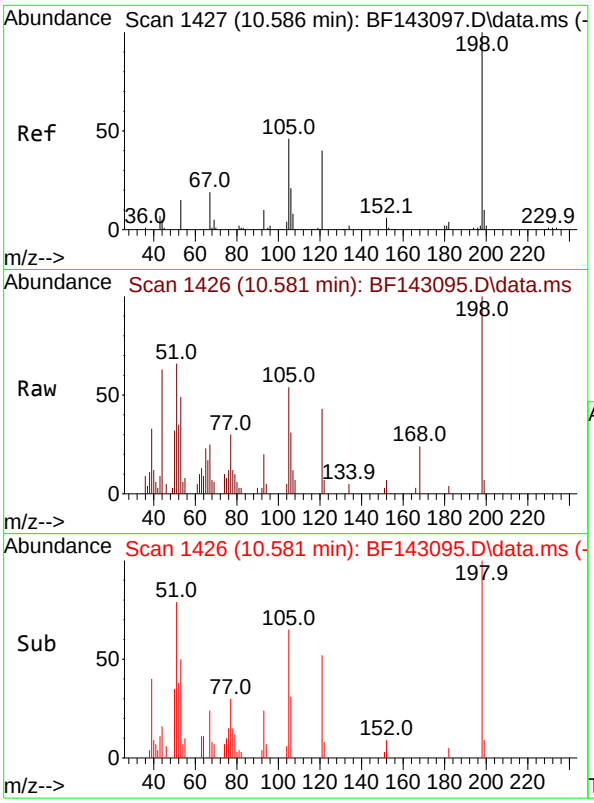


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:188 Resp: 412977

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.6	13.0
80	12.6	9.3	13.9



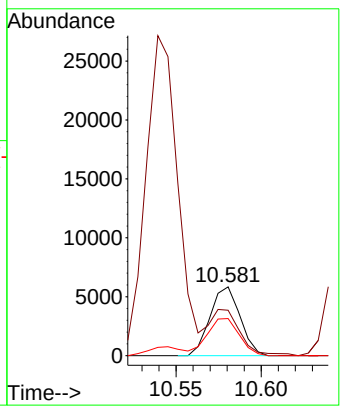


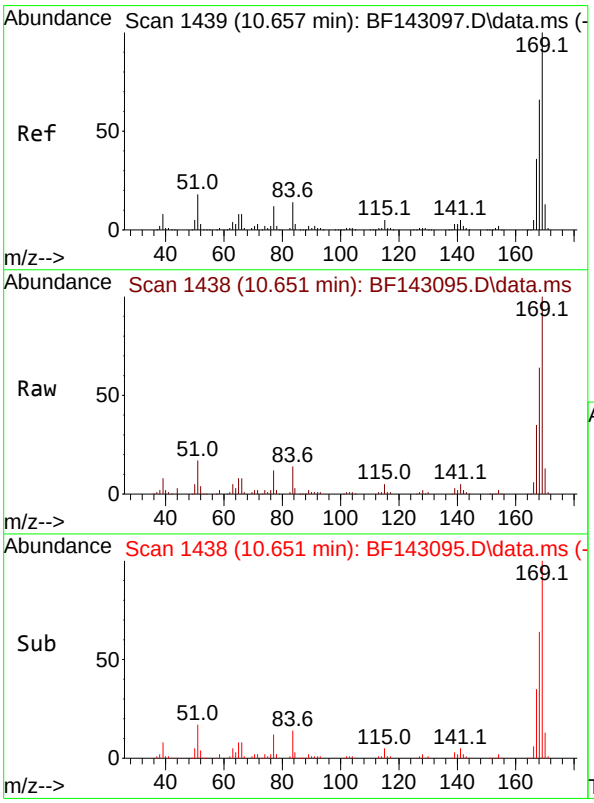
#65
4,6-Dinitro-2-methylphenol
Concen: 10.290 ng
RT: 10.581 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 7158

Ion	Ratio	Lower	Upper
198	100		
51	66.0	44.6	84.6
105	54.0	29.3	69.3

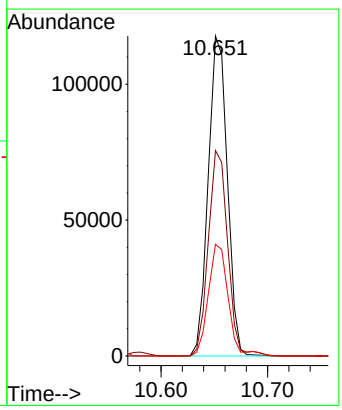


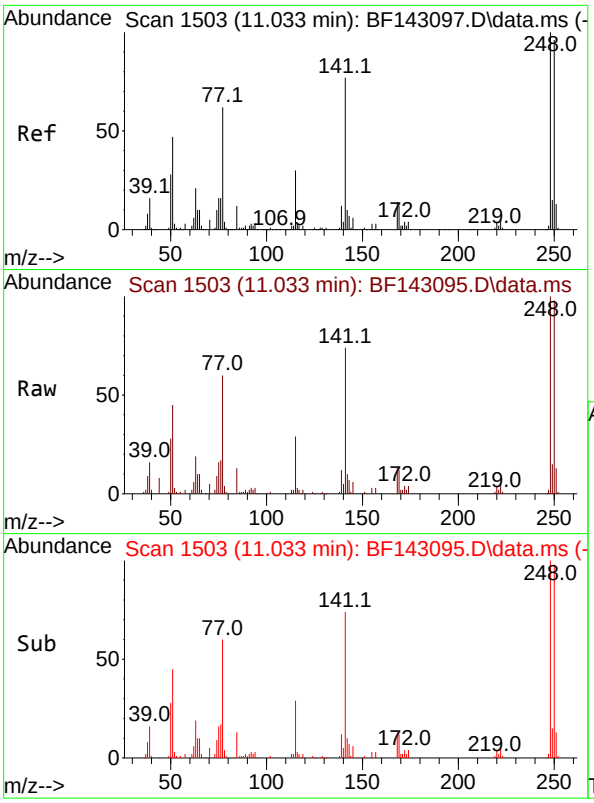


#66
n-Nitrosodiphenylamine
Concen: 10.094 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:169 Resp: 146433

Ion	Ratio	Lower	Upper
169	100		
168	64.2	53.0	79.6
167	34.9	28.4	42.6



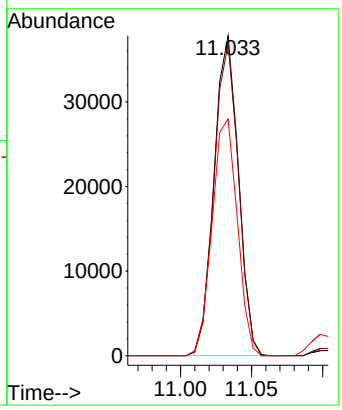


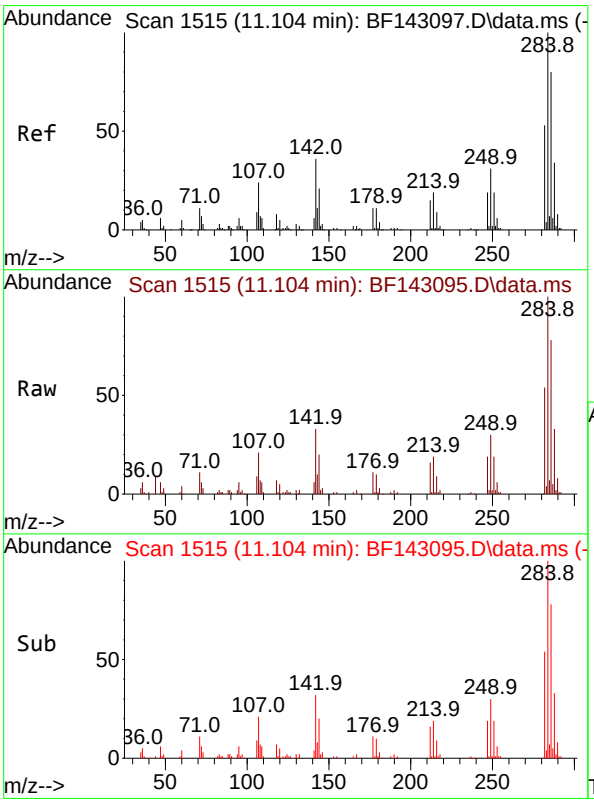
#67
4-Bromophenyl-phenylether
Concen: 9.641 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 45279

Ion	Ratio	Lower	Upper
248	100		
250	97.5	76.7	115.1
141	73.9	61.7	92.5

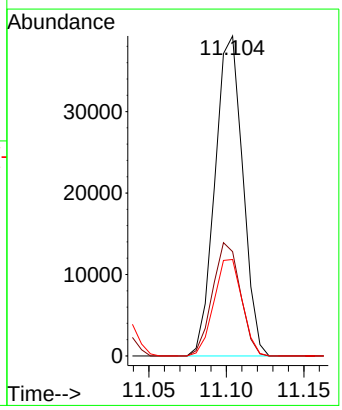


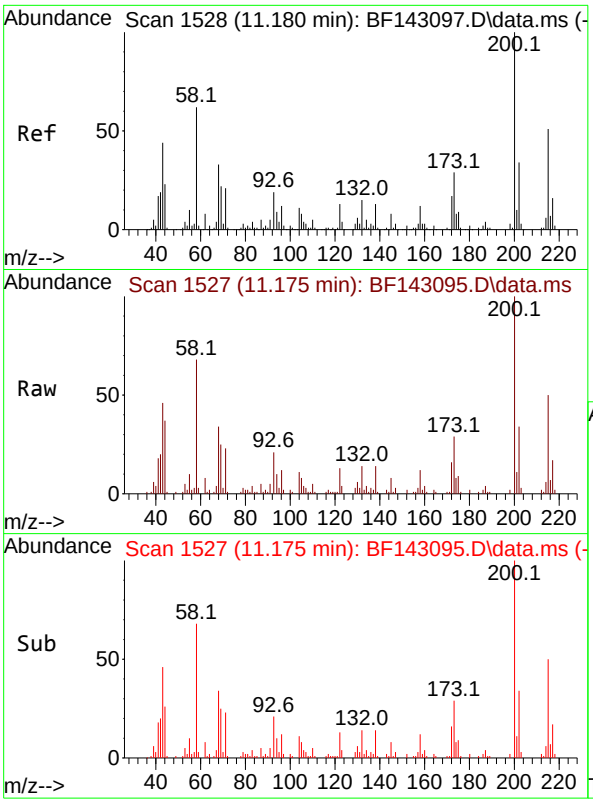


#68
Hexachlorobenzene
Concen: 9.840 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:284 Resp: 49035

Ion	Ratio	Lower	Upper
284	100		
142	32.6	28.9	43.3
249	30.1	24.6	37.0



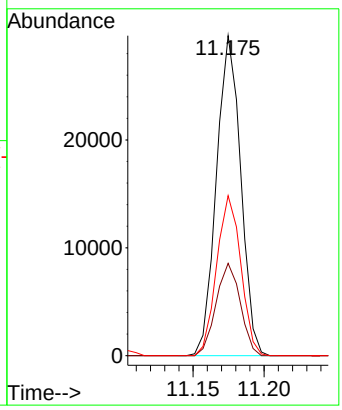


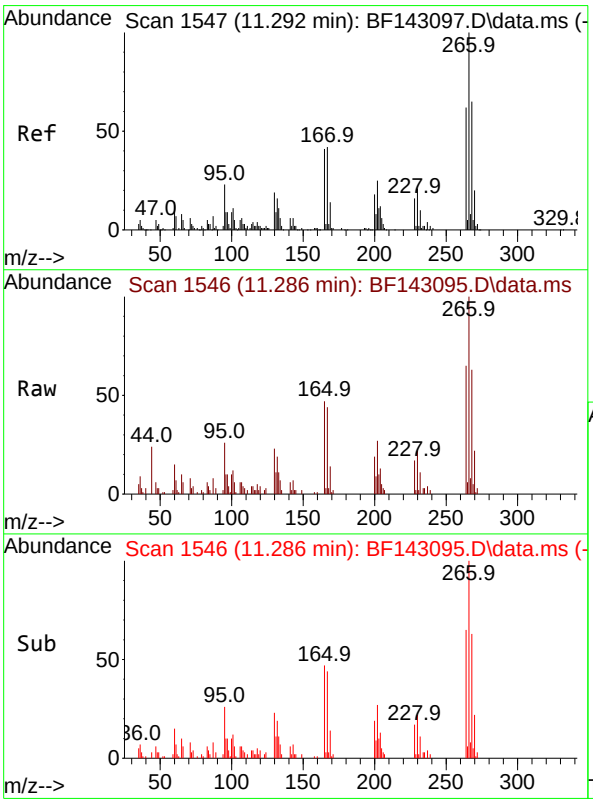
#69
Atrazine
Concen: 9.492 ng
RT: 11.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 35230

Ion	Ratio	Lower	Upper
200	100		
173	28.9	9.1	49.1
215	50.0	31.0	71.0

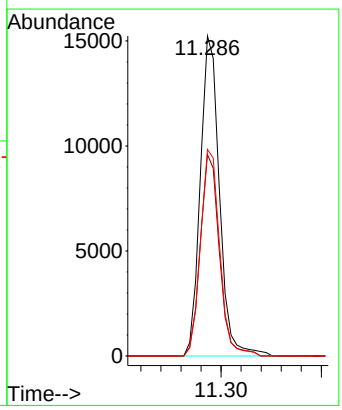


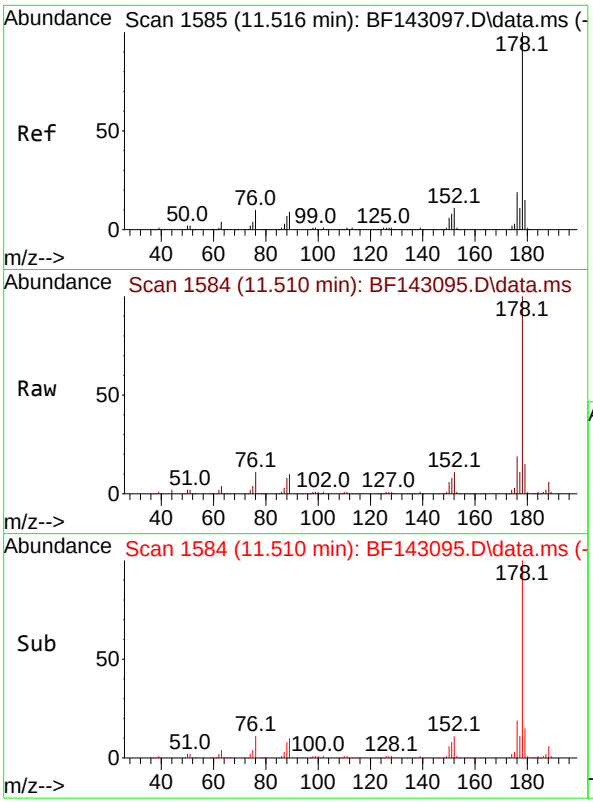


#70
Pentachlorophenol
Concen: 7.405 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:266 Resp: 20245

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.8	77.6
264	64.6	49.7	74.5



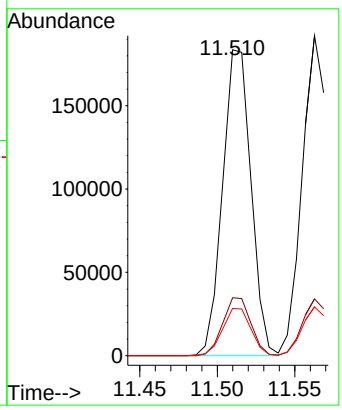


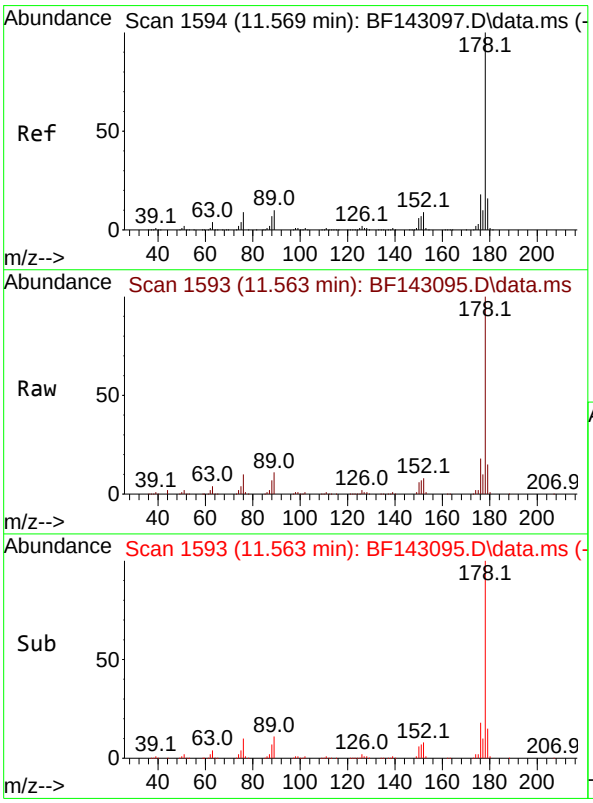
#71
Phenanthrene
Concen: 10.526 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 234601

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.4	12.2	18.4

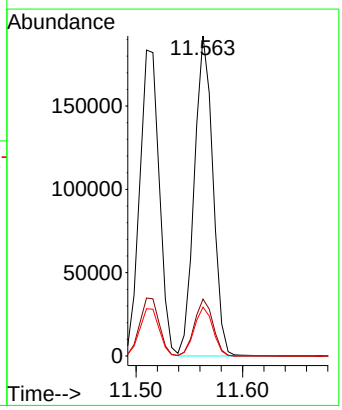


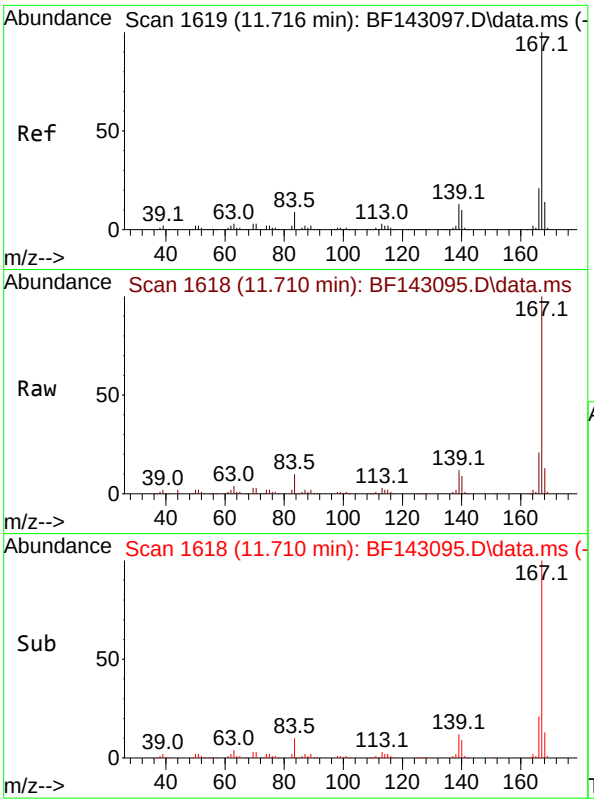


#72
Anthracene
Concen: 10.372 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:178 Resp: 232459

Ion	Ratio	Lower	Upper
178	100		
176	17.7	14.7	22.1
179	15.2	12.4	18.6



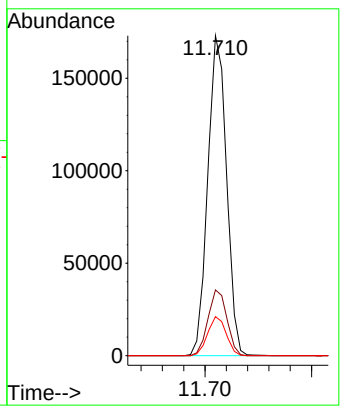


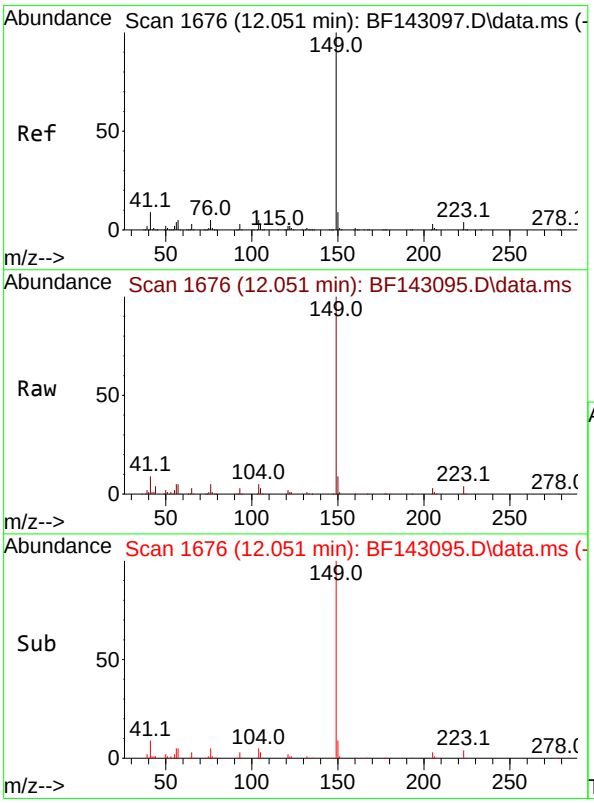
#73
Carbazole
Concen: 10.551 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 211853

Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.0	25.4
139	12.2	10.2	15.4

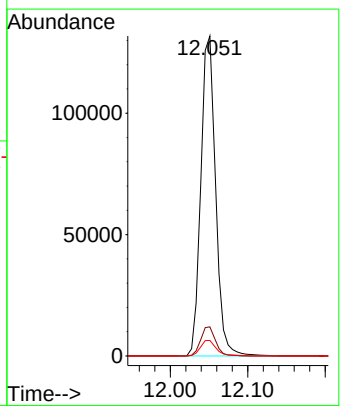


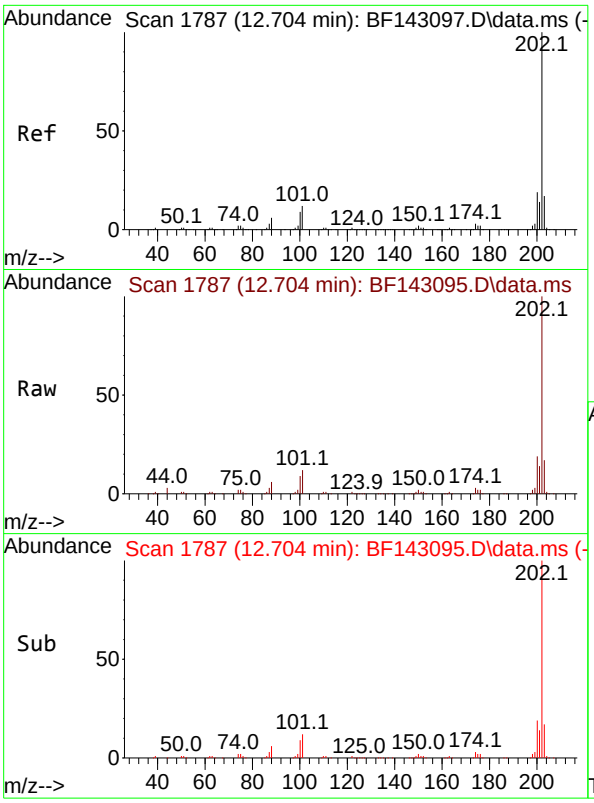


#74
Di-n-butylphthalate
Concen: 9.475 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 174639

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.8	3.8	5.8



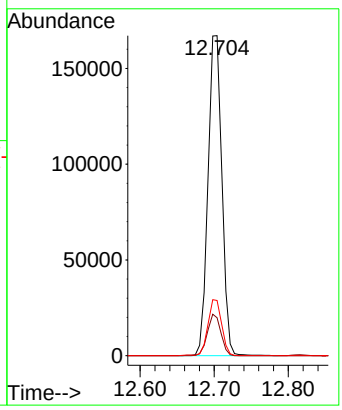


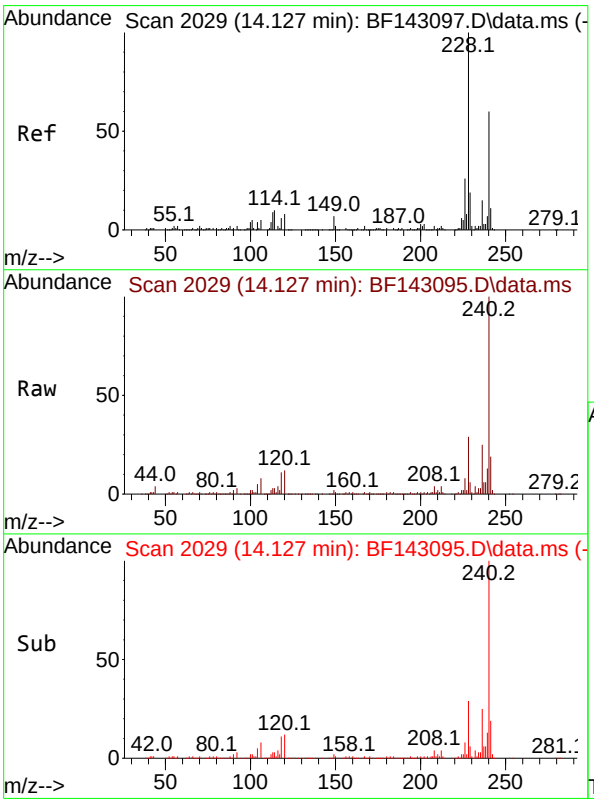
#75
Fluoranthene
Concen: 10.725 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 217346

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.4
203	17.3	0.0	37.4

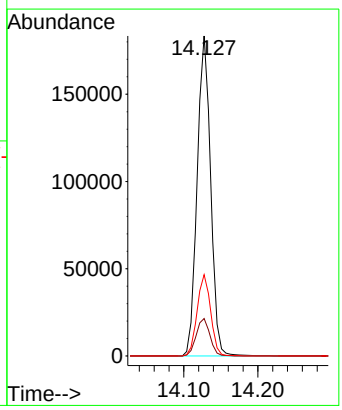


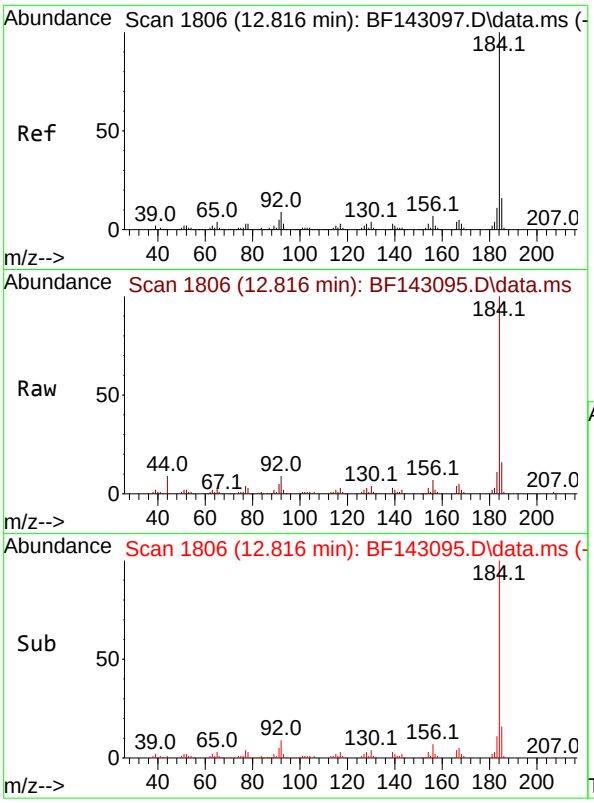


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:240 Resp: 231826

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.4	20.0	30.0



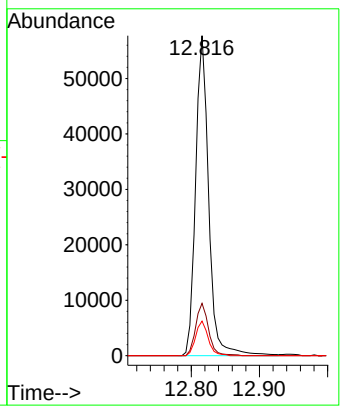


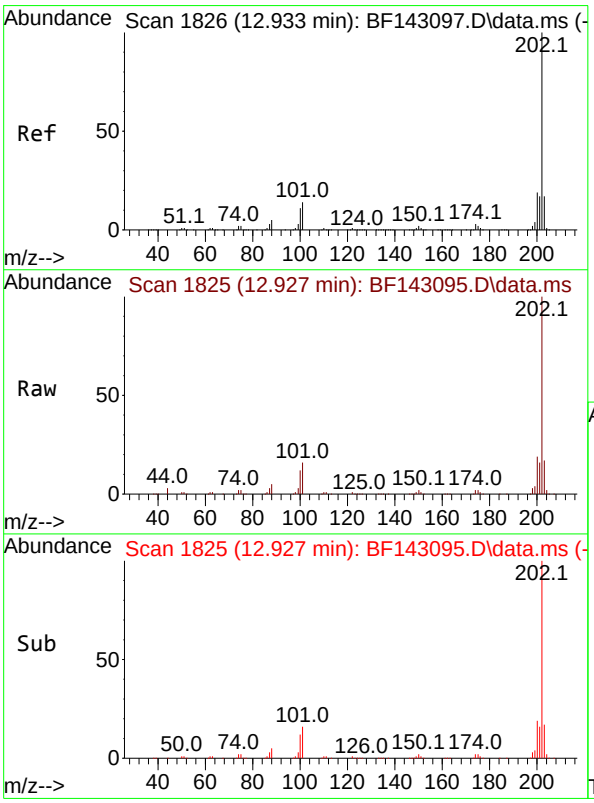
#77
Benzidine
Concen: 9.747 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 76979

Ion	Ratio	Lower	Upper
184	100		
185	16.4	12.4	18.6
183	10.8	8.6	12.8

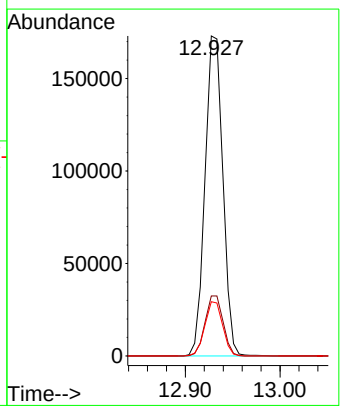


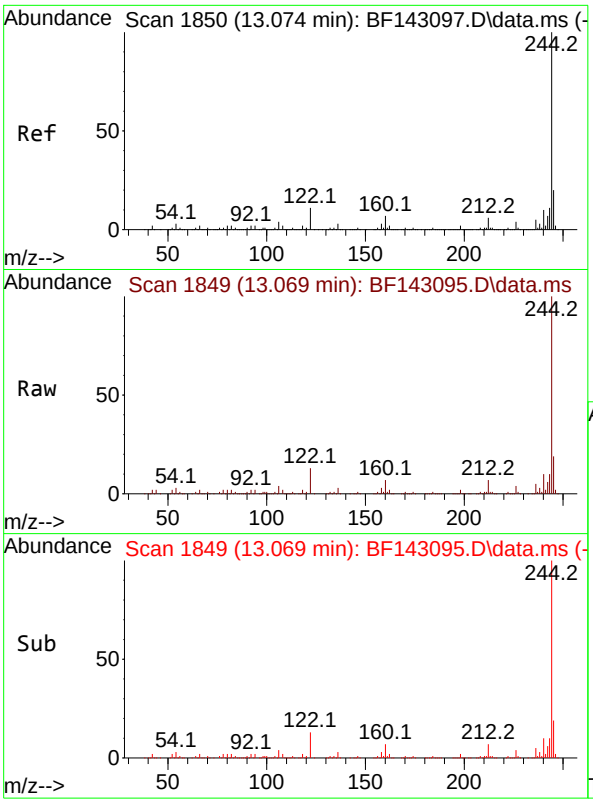


#78
Pyrene
Concen: 10.542 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:202 Resp: 226752

Ion	Ratio	Lower	Upper
202	100		
200	18.8	15.5	23.3
203	16.9	14.0	21.0



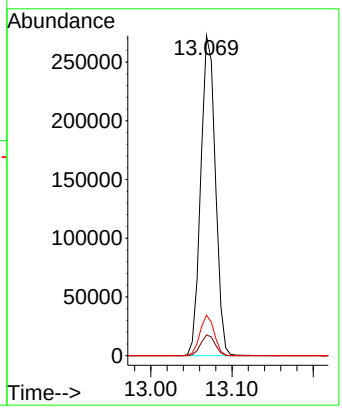


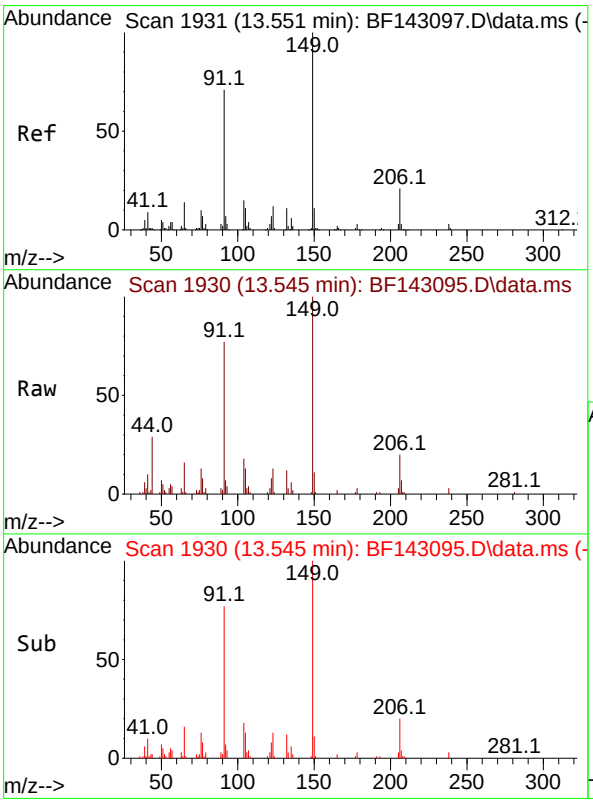
#79
Terphenyl-d14
Concen: 21.502 ng
RT: 13.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 340992

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	12.7	8.8	13.2

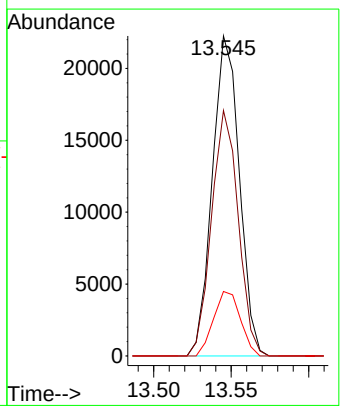


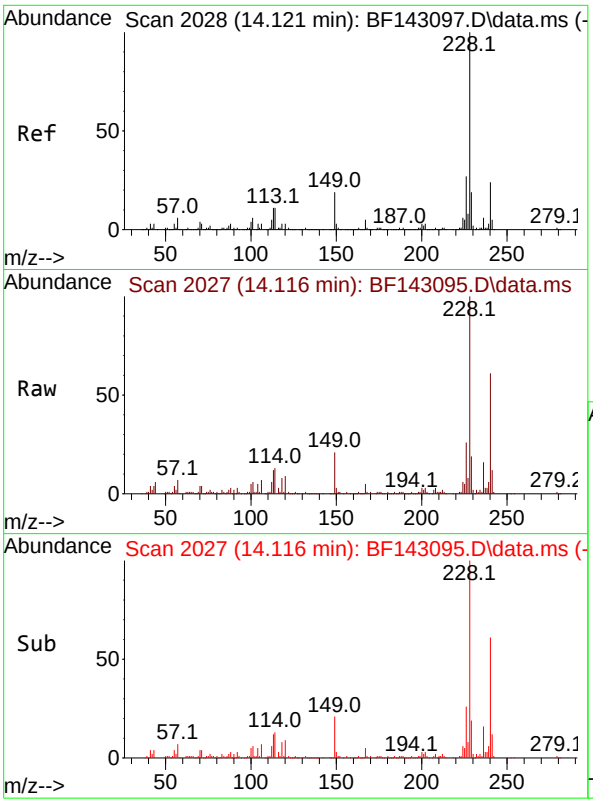


#80
Butylbenzylphthalate
Concen: 9.210 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 26977

Ion	Ratio	Lower	Upper
149	100		
91	76.7	57.0	85.4
206	20.2	17.2	25.8



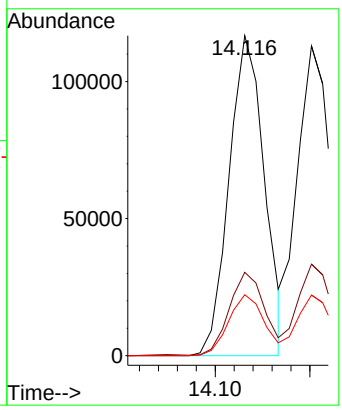


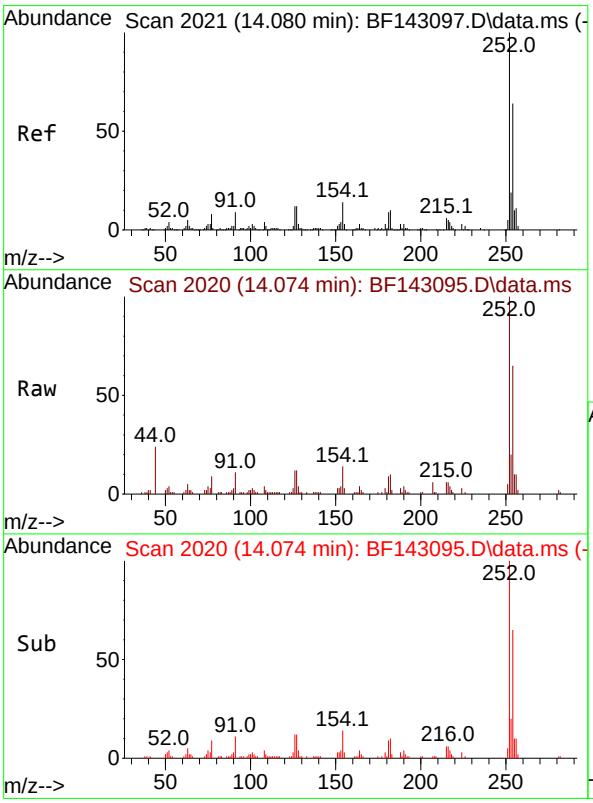
#81
Benzo(a)anthracene
Concen: 9.781 ng
RT: 14.116 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 151099

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.3	31.9
229	19.0	15.5	23.3

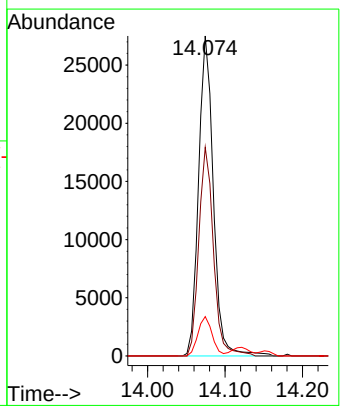


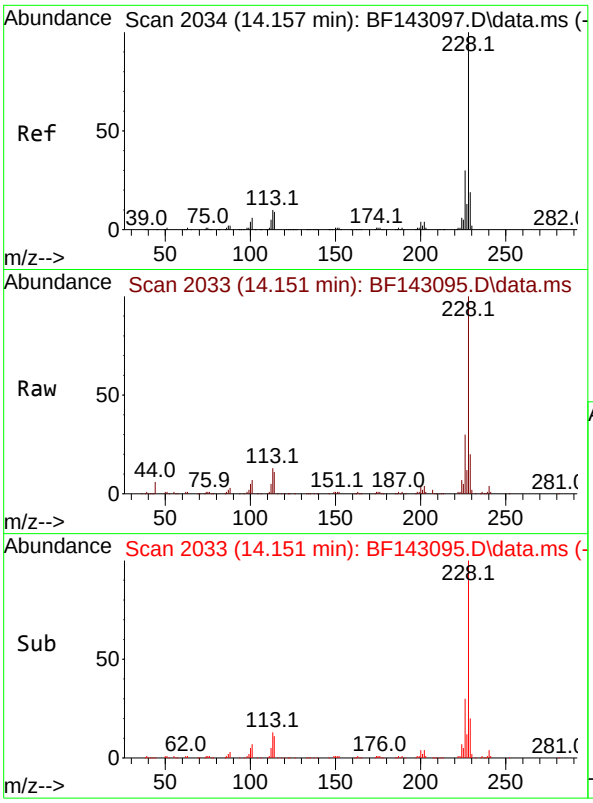


#82
3,3'-Dichlorobenzidine
Concen: 8.122 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 36435

Ion	Ratio	Lower	Upper
252	100		
254	65.2	51.5	77.3
126	12.3	9.4	14.0



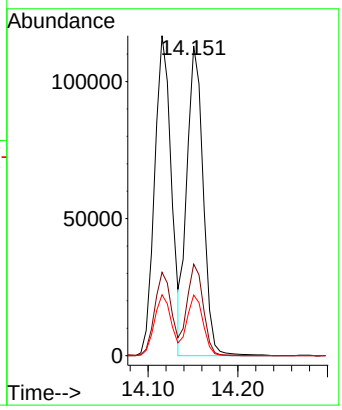


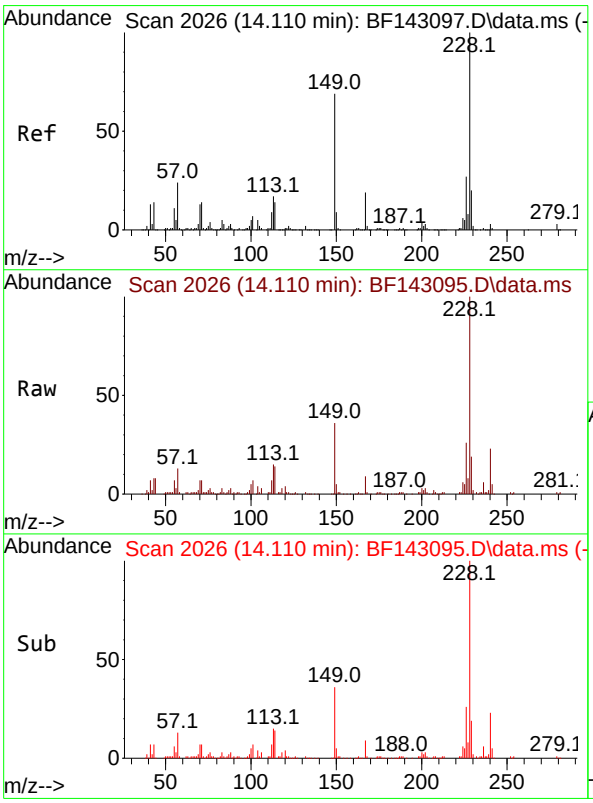
#83
Chrysene
Concen: 10.050 ng
RT: 14.151 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 142990

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	19.6	15.3	22.9

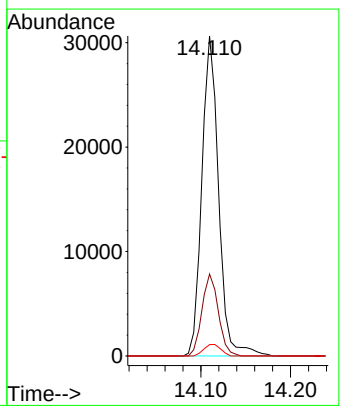


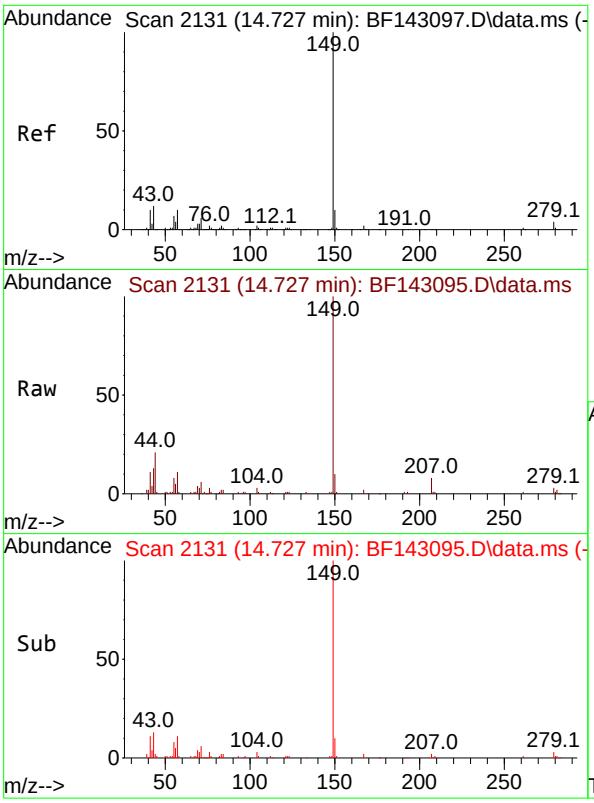


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.073 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:149 Resp: 39724

Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.9	32.9
279	3.6	3.4	5.0



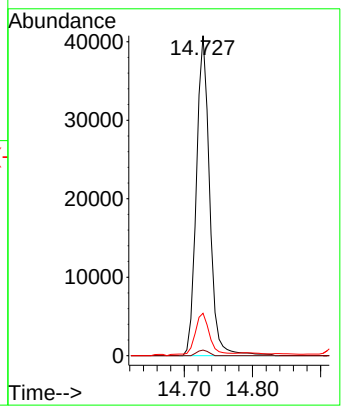


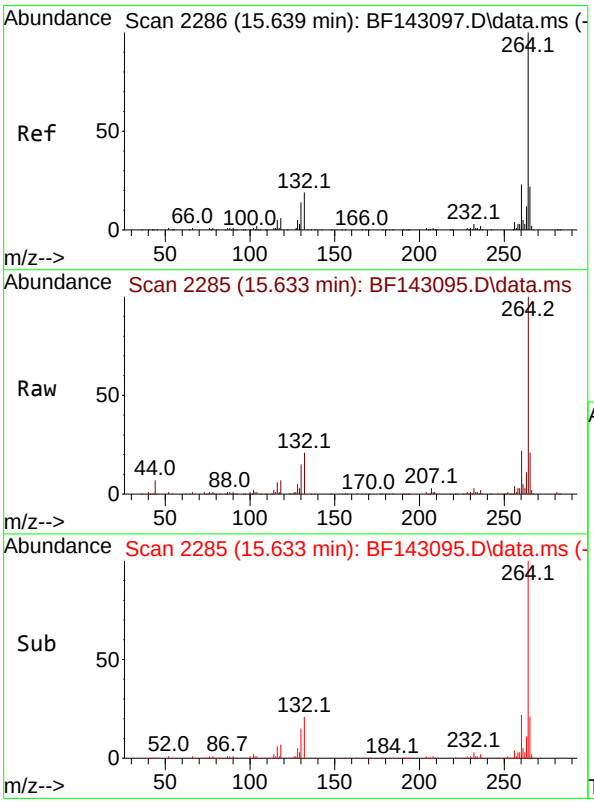
#85
Di-n-octyl phthalate
Concen: 10.526 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 54952

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	15.1	10.6	16.0

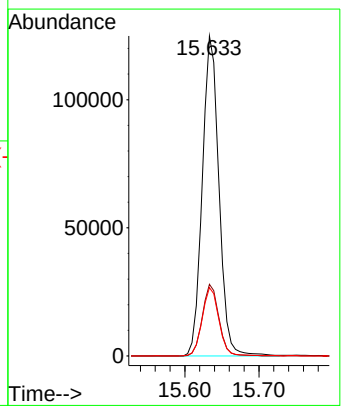


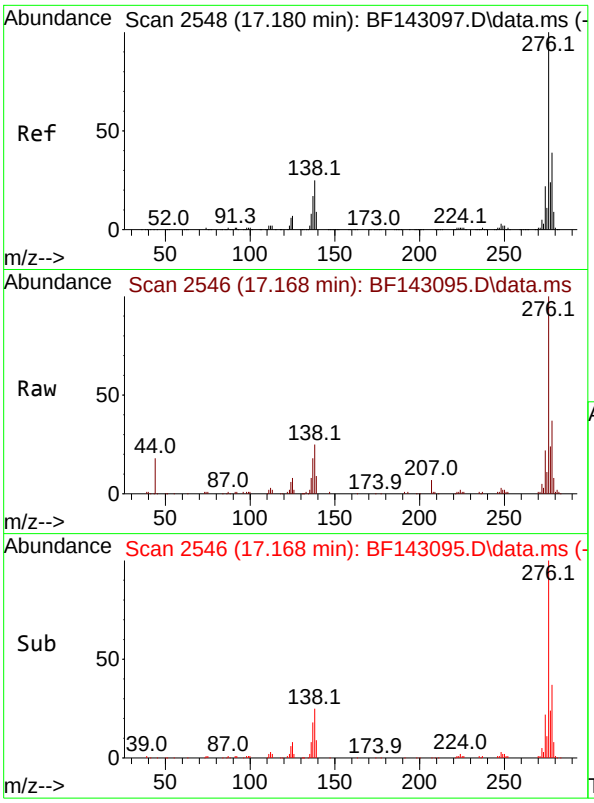


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:264 Resp: 195100

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.5	27.7
265	21.4	17.5	26.3



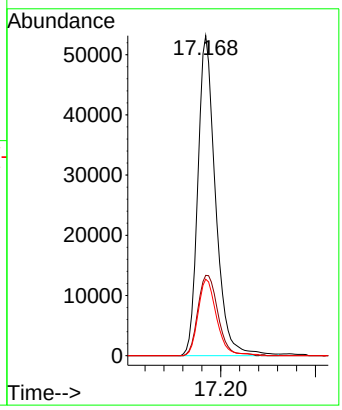


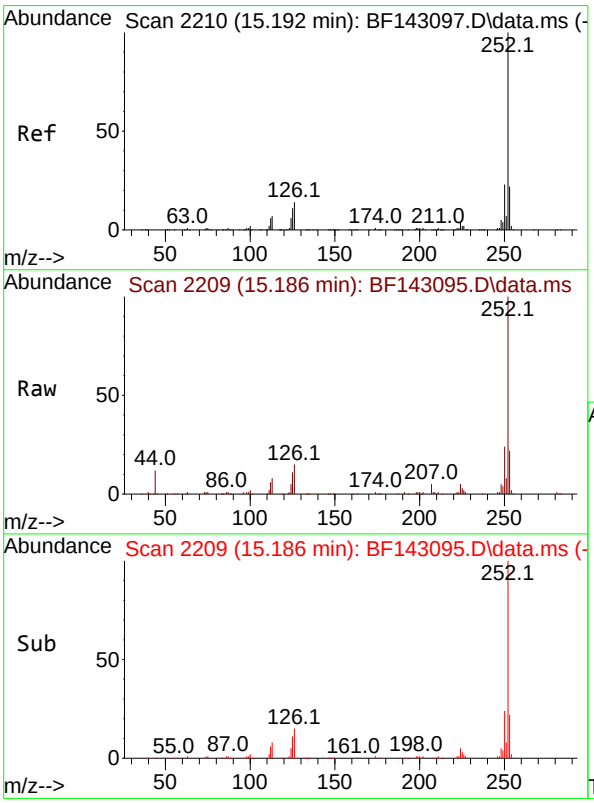
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.484 ng
RT: 17.168 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 137620

Ion	Ratio	Lower	Upper
276	100		
138	28.5	22.6	34.0
277	25.1	20.2	30.2

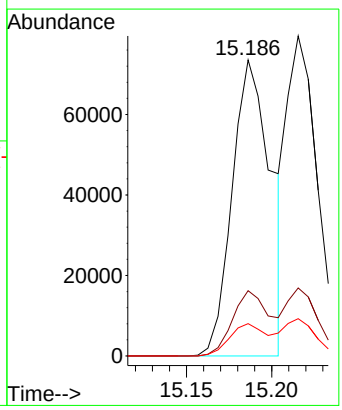


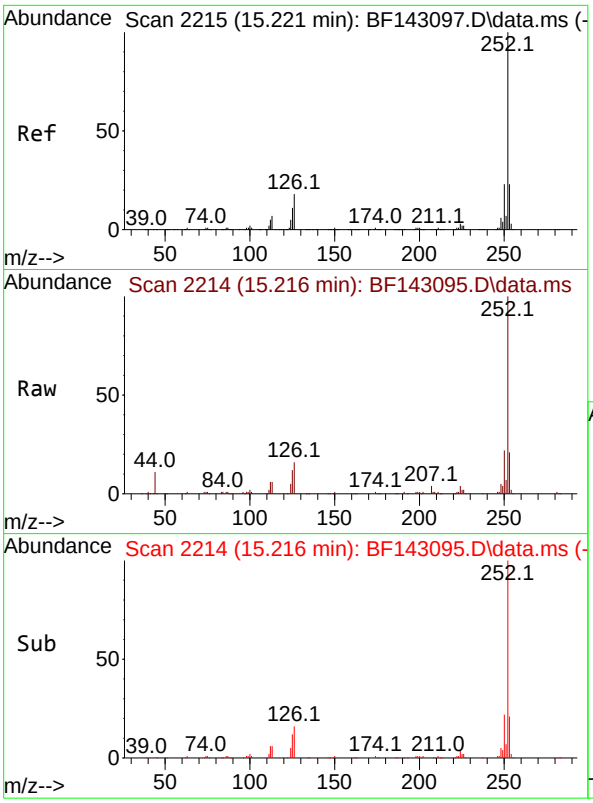


#88
Benzo(b)fluoranthene
Concen: 10.321 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 116154

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.9	8.6	13.0



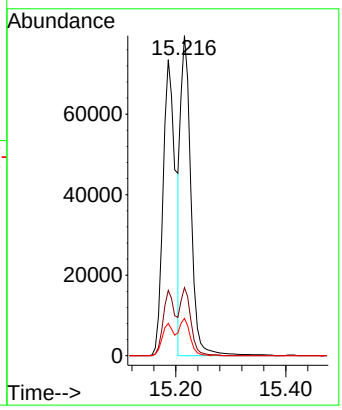


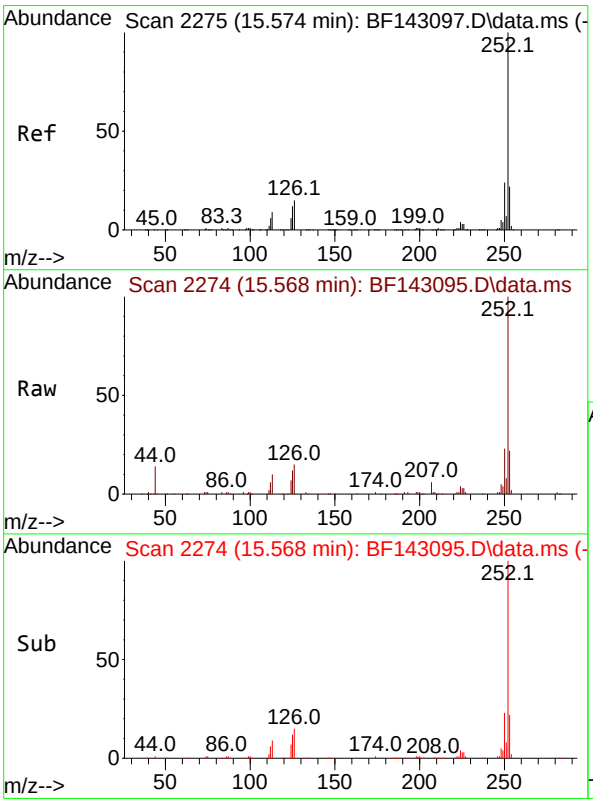
#89
Benzo(k)fluoranthene
Concen: 9.686 ng
RT: 15.216 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 103994

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.4	26.2
125	11.6	8.5	12.7

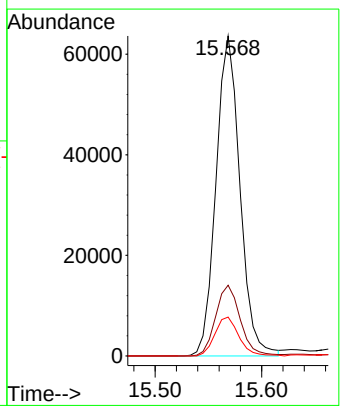


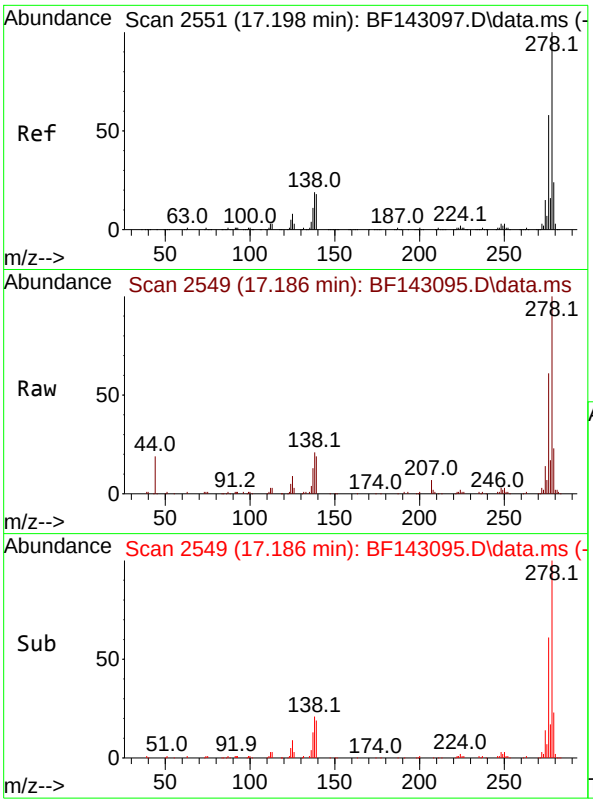


#90
Benzo(a)pyrene
Concen: 9.336 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:252 Resp: 99366

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	12.1	9.4	14.0



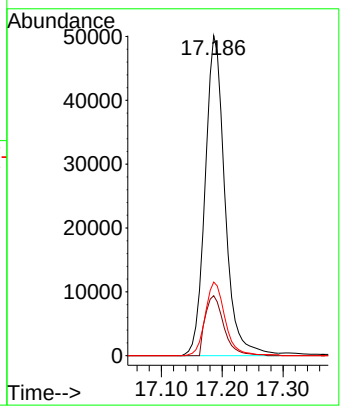


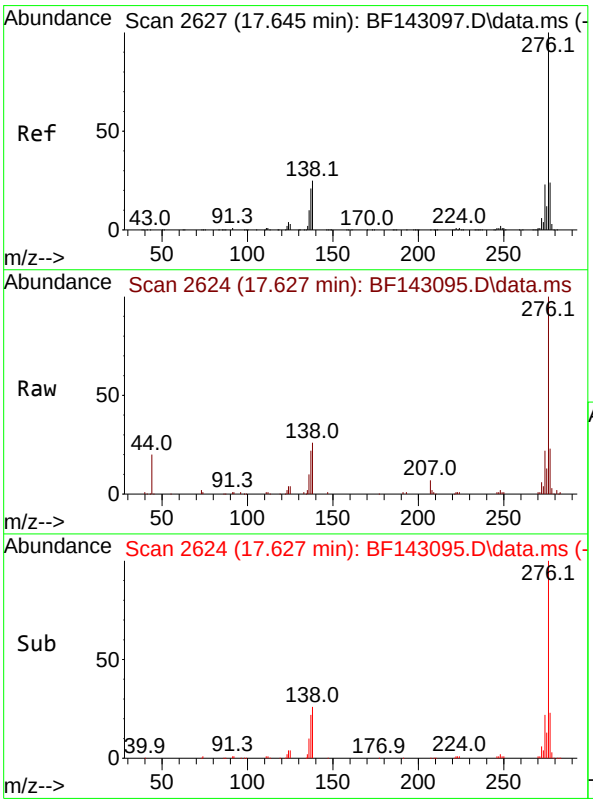
#91
Dibenzo(a,h)anthracene
Concen: 9.553 ng
RT: 17.186 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 113316

Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.6	22.0
279	23.0	18.8	28.2

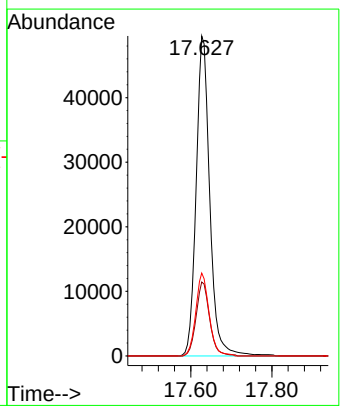




#92
Benzo(g,h,i)perylene
Concen: 9.577 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.018 min
Lab File: BF143095.D
Acq: 15 Jul 2025 14:05

Tgt Ion:276 Resp: 115816

Ion	Ratio	Lower	Upper
276	100		
277	23.1	19.2	28.8
138	25.9	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	153233	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	579905	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	283300	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	451524	20.000	ng	0.00
76) Chrysene-d12	14.127	240	236667	20.000	ng	0.00
86) Perylene-d12	15.633	264	262419	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	402974	41.549	ng	0.00
7) Phenol-d6	6.581	99	502651	41.231	ng	0.00
23) Nitrobenzene-d5	7.522	82	440785	42.639	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	102277	40.489	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	907497	42.581	ng	0.00
79) Terphenyl-d14	13.074	244	680179	42.012	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	98010	20.301	ng	99
3) Pyridine	3.581	79	247677	20.259	ng	99
4) n-Nitrosodimethylamine	3.516	42	126355	19.948	ng	100
6) Aniline	6.628	93	349337	20.349	ng	100
8) 2-Chlorophenol	6.751	128	202437	20.775	ng	98
9) Benzaldehyde	6.516	77	176058	18.952	ng	99
10) Phenol	6.592	94	294162	22.289	ng	99
11) bis(2-Chloroethyl)ether	6.692	93	209360	20.491	ng	98
12) 1,3-Dichlorobenzene	6.910	146	225218	20.458	ng	99
13) 1,4-Dichlorobenzene	6.987	146	230409	20.804	ng	99
14) 1,2-Dichlorobenzene	7.139	146	219102	20.745	ng	99
15) Benzyl Alcohol	7.098	79	184535	20.428	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	387425	20.571	ng	100
17) 2-Methylphenol	7.204	107	172219	20.480	ng	99
18) Hexachloroethane	7.486	117	74466	20.654	ng	100
19) n-Nitroso-di-n-propyla...	7.369	70	153555	20.559	ng	98
20) 3+4-Methylphenols	7.357	107	217393	21.080	ng	91
22) Acetophenone	7.369	105	289716	20.725	ng	98
24) Nitrobenzene	7.539	77	206781	20.721	ng	98
25) Isophorone	7.781	82	404382	20.239	ng	100
26) 2-Nitrophenol	7.857	139	61544	18.099	ng	98
27) 2,4-Dimethylphenol	7.886	122	188840	20.363	ng	99
28) bis(2-Chloroethoxy)met...	7.986	93	252183	20.814	ng	99
29) 2,4-Dichlorophenol	8.098	162	154978	20.427	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	177770	20.647	ng	99
31) Naphthalene	8.269	128	601316	20.881	ng	100
32) Benzoic acid	7.963	122	57220	17.222	ng	97
33) 4-Chloroaniline	8.310	127	239869	20.714	ng	98
34) Hexachlorobutadiene	8.392	225	106359	20.655	ng	100
35) Caprolactam	8.657	113	45418	19.171	ng	98
36) 4-Chloro-3-methylphenol	8.781	107	171615	20.307	ng	99
37) 2-Methylnaphthalene	8.963	142	356378	20.744	ng	100
38) 1-Methylnaphthalene	9.063	142	365700	20.524	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	170678	20.673	ng	98
41) Hexachlorocyclopentadiene	9.122	237	86596	18.918	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	106780	20.815	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	110466	20.537	ng	99
46) 1,1'-Biphenyl	9.422	154	473419	20.955	ng	100
47) 2-Chloronaphthalene	9.451	162	341636	20.584	ng	100
48) 2-Nitroaniline	9.533	65	83805	18.969	ng	99
49) Acenaphthylene	9.863	152	576265	20.837	ng	100
50) Dimethylphthalate	9.716	163	366019	20.536	ng	100
51) 2,6-Dinitrotoluene	9.775	165	62776	19.583	ng	96
52) Acenaphthene	10.039	154	332427	20.369	ng	100
53) 3-Nitroaniline	9.939	138	80094	20.797	ng	100
54) 2,4-Dinitrophenol	10.045	184	15826	19.749	ng	71
55) Dibenzofuran	10.210	168	505784	20.792	ng	100
56) 4-Nitrophenol	10.086	139	57072	18.647	ng	98
57) 2,4-Dinitrotoluene	10.175	165	71762	18.561	ng	95
58) Fluorene	10.551	166	376169	20.626	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	85620	20.030	ng	98
60) Diethylphthalate	10.422	149	356111	20.710	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	178641	20.436	ng	98
62) 4-Nitroaniline	10.551	138	67264	20.084	ng	98
63) Azobenzene	10.704	77	389419	20.478	ng	100
65) 4,6-Dinitro-2-methylph...	10.580	198	23973	19.643	ng	94
66) n-Nitrosodiphenylamine	10.657	169	332248	20.948	ng	98
67) 4-Bromophenyl-phenylether	11.033	248	105446	20.535	ng	98
68) Hexachlorobenzene	11.104	284	111727	20.507	ng	98
69) Atrazine	11.180	200	83181	20.499	ng	99
70) Pentachlorophenol	11.292	266	56380	18.862	ng	98
71) Phenanthrene	11.516	178	501521	20.581	ng	99
72) Anthracene	11.569	178	508525	20.752	ng	100
73) Carbazole	11.716	167	455047	20.728	ng	99
74) Di-n-butylphthalate	12.051	149	412206	20.456	ng	99
75) Fluoranthene	12.704	202	455455	20.556	ng	100
77) Benzidine	12.816	184	186115	23.083	ng	99
78) Pyrene	12.933	202	462715	21.072	ng	99
80) Butylbenzylphthalate	13.545	149	73439	18.875	ng	96
81) Benzo(a)anthracene	14.115	228	332795	21.102	ng	100
82) 3,3'-Dichlorobenzidine	14.074	252	96174	21.000	ng	99
83) Chrysene	14.157	228	286610	19.732	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	113349	19.236	ng	98
85) Di-n-octyl phthalate	14.727	149	192002	19.817	ng	99
87) Indeno(1,2,3-cd)pyrene	17.174	276	400422	20.516	ng	99
88) Benzo(b)fluoranthene	15.186	252	307312	20.302	ng	99
89) Benzo(k)fluoranthene	15.215	252	291618	20.194	ng	99
90) Benzo(a)pyrene	15.568	252	290809	20.313	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	332152	20.818	ng	99
92) Benzo(g,h,i)perylene	17.639	276	331447	20.376	ng	99

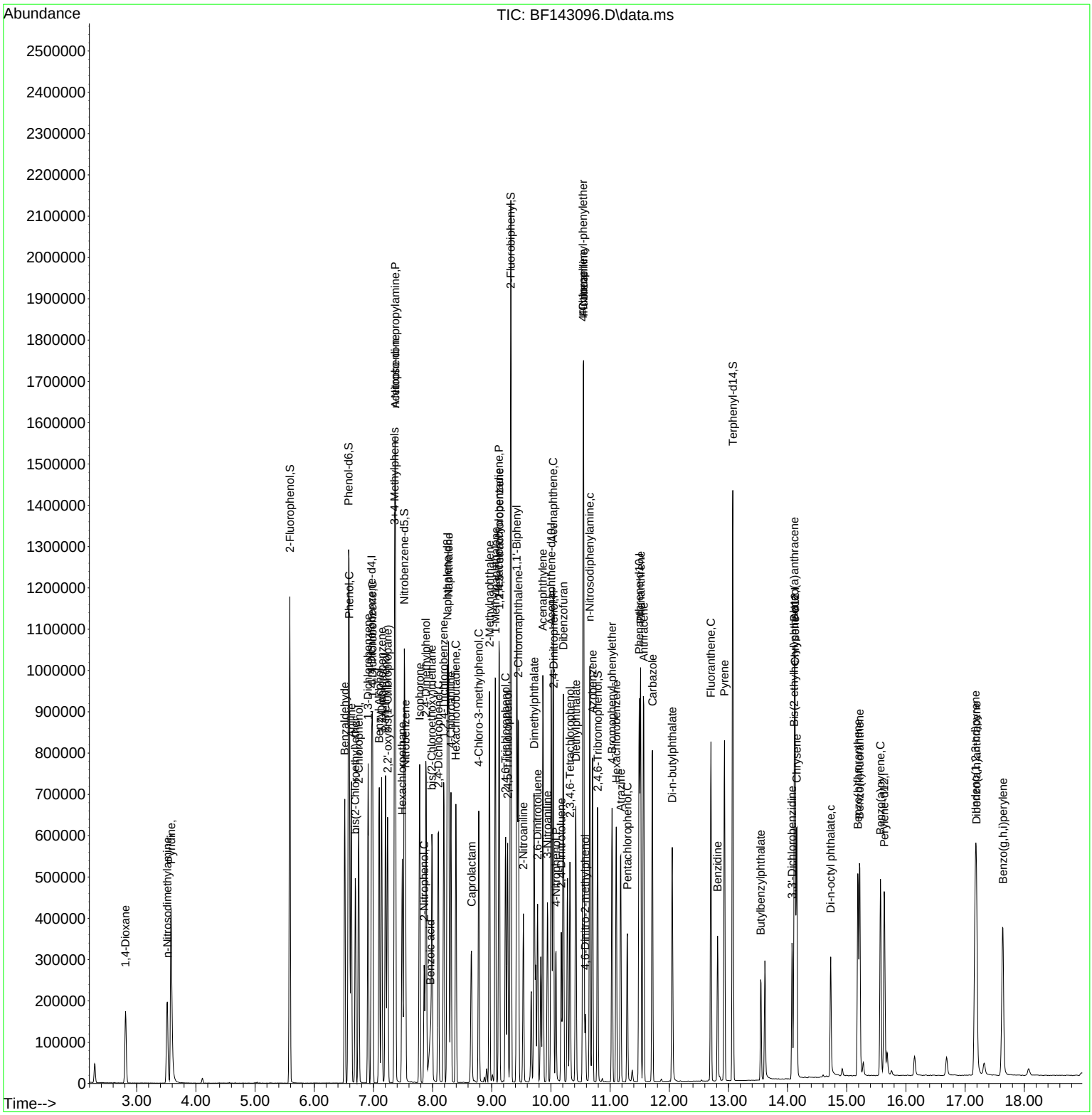
(#) = qualifier out of range (m) = manual integration (+) = signals summed

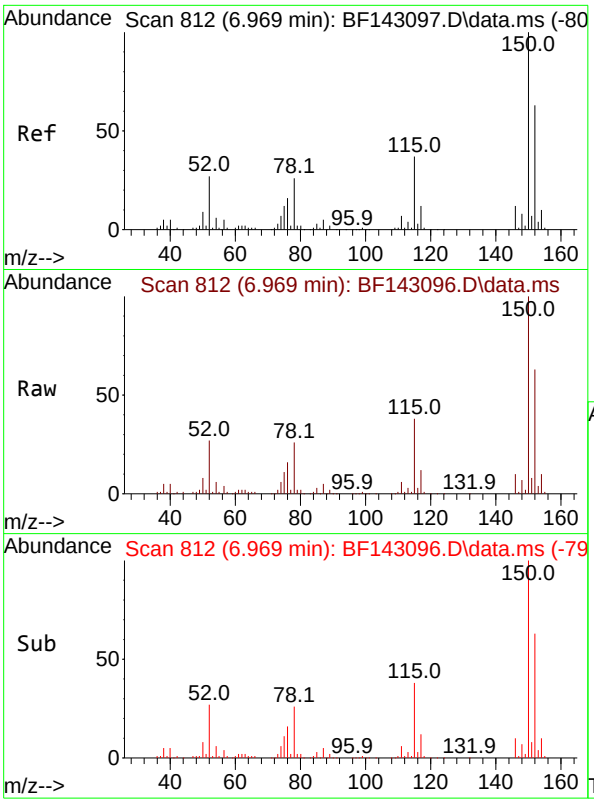
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143096.D
Acq On : 15 Jul 2025 14:36
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 15 17:39:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



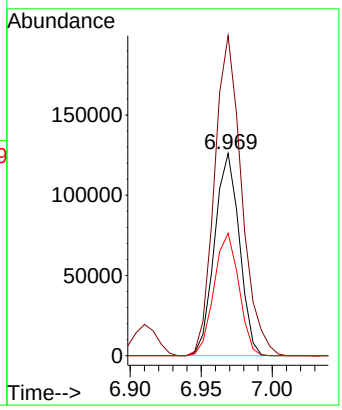


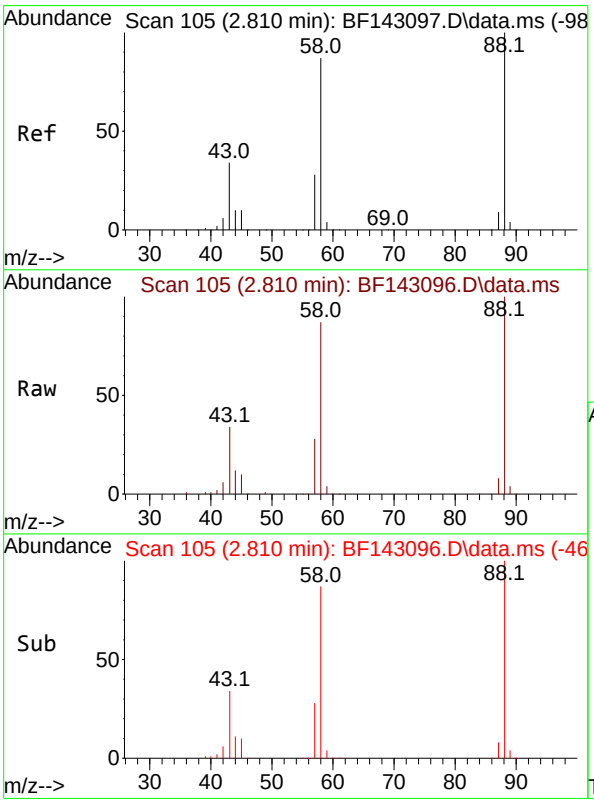
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 153233

Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.5	189.7
115	60.6	47.0	70.6

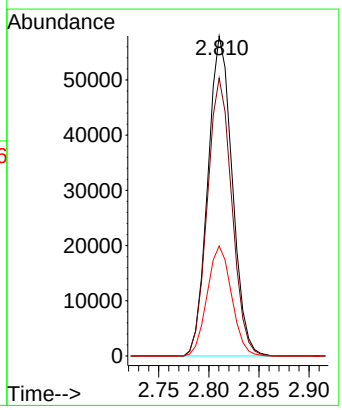


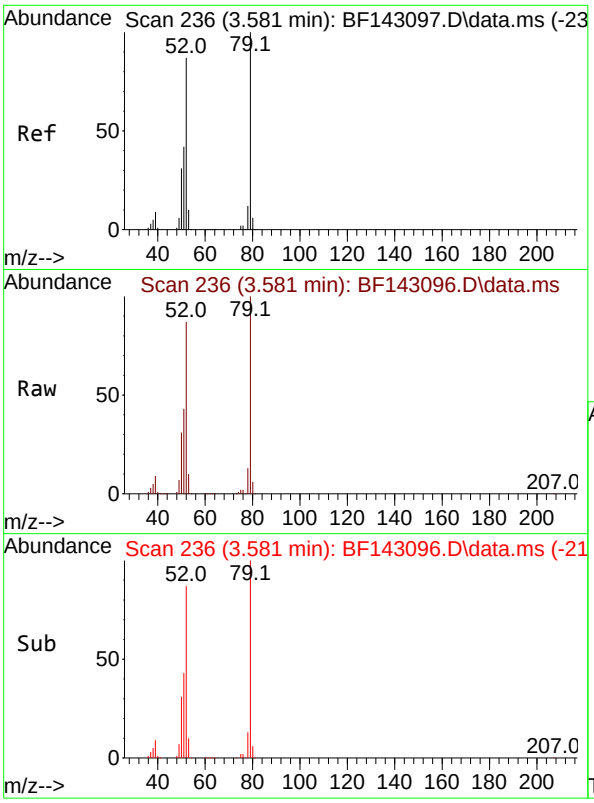


#2
1,4-Dioxane
Concen: 20.301 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 88 Resp: 98010

Ion	Ratio	Lower	Upper
88	100		
58	87.1	70.5	105.7
43	34.3	27.3	40.9



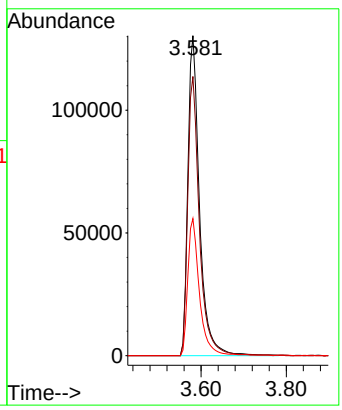


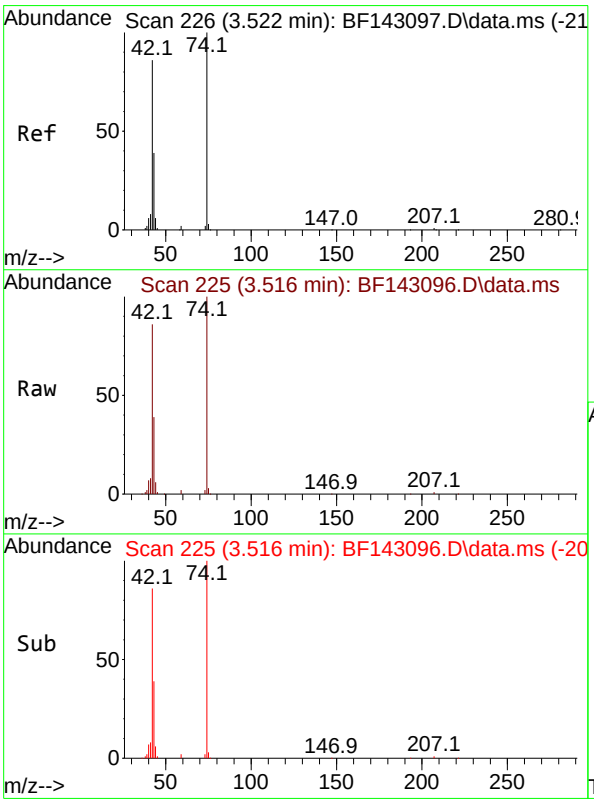
#3
Pyridine
Concen: 20.259 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 247677

Ion	Ratio	Lower	Upper
79	100		
52	87.3	69.2	103.8
51	42.8	33.3	49.9

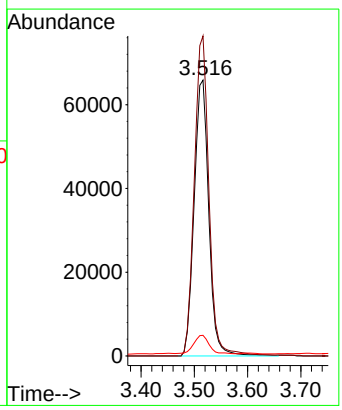


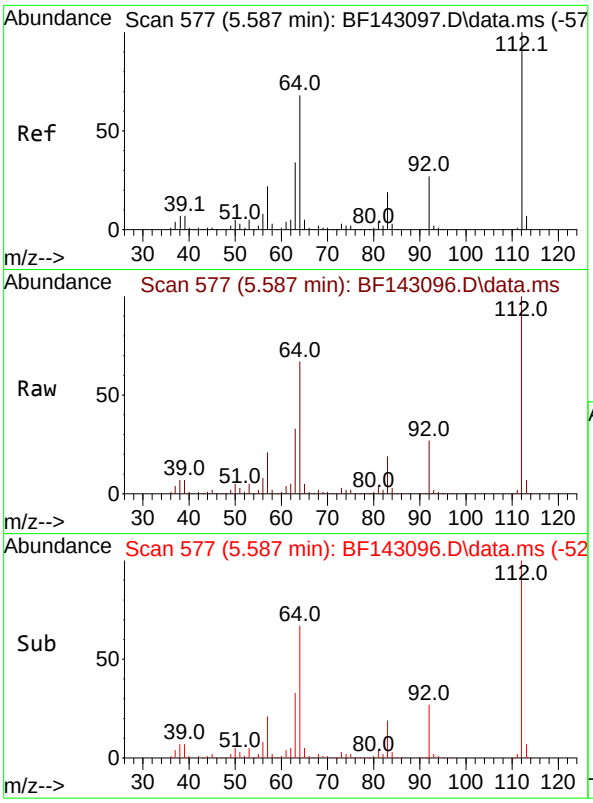


#4
n-Nitrosodimethylamine
Concen: 19.948 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 42 Resp: 126355

Ion	Ratio	Lower	Upper
42	100		
74	116.0	92.8	139.2
44	7.5	5.8	8.6



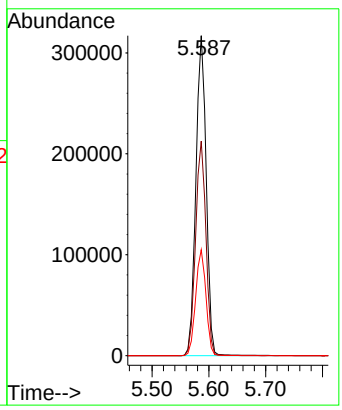


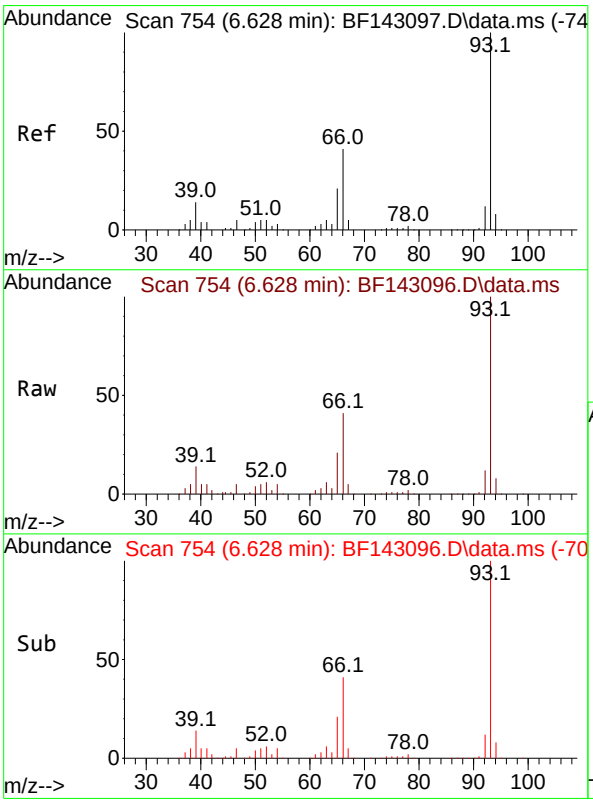
#5
2-Fluorophenol
Concen: 41.549 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 402974

Ion	Ratio	Lower	Upper
112	100		
64	67.1	54.6	82.0
63	33.1	27.3	40.9

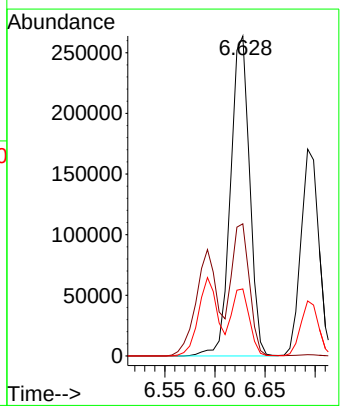


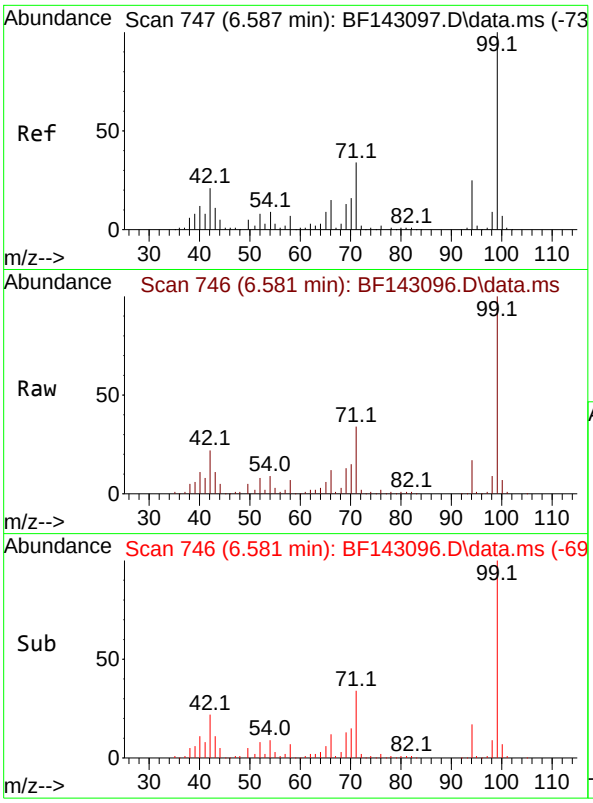


#6
Aniline
Concen: 20.349 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 349337

Ion	Ratio	Lower	Upper
93	100		
66	41.3	33.1	49.7
65	20.9	16.9	25.3



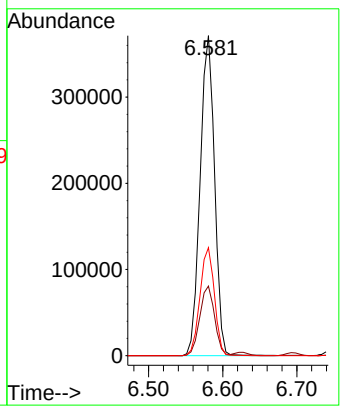


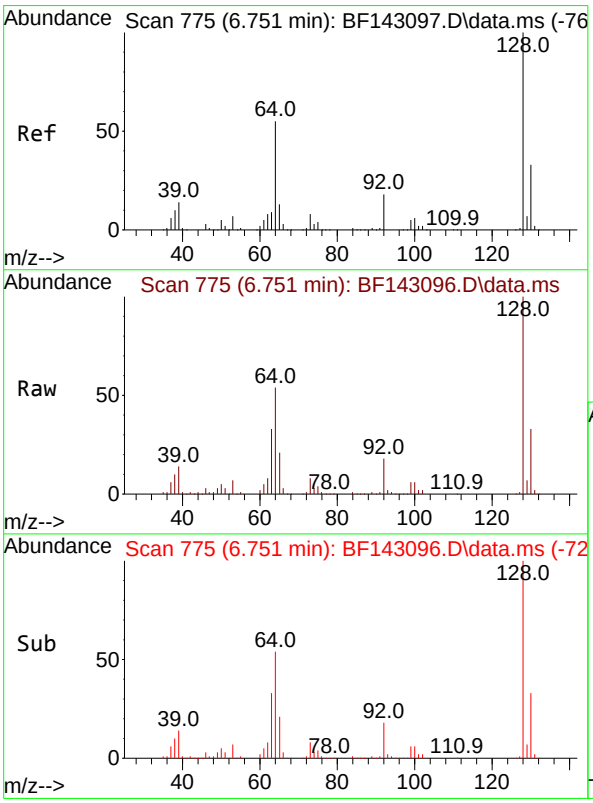
#7
Phenol-d6
Concen: 41.231 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 502651

Ion	Ratio	Lower	Upper
99	100		
42	21.8	17.2	25.8
71	33.8	27.4	41.0

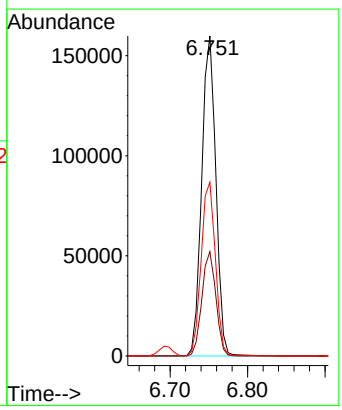


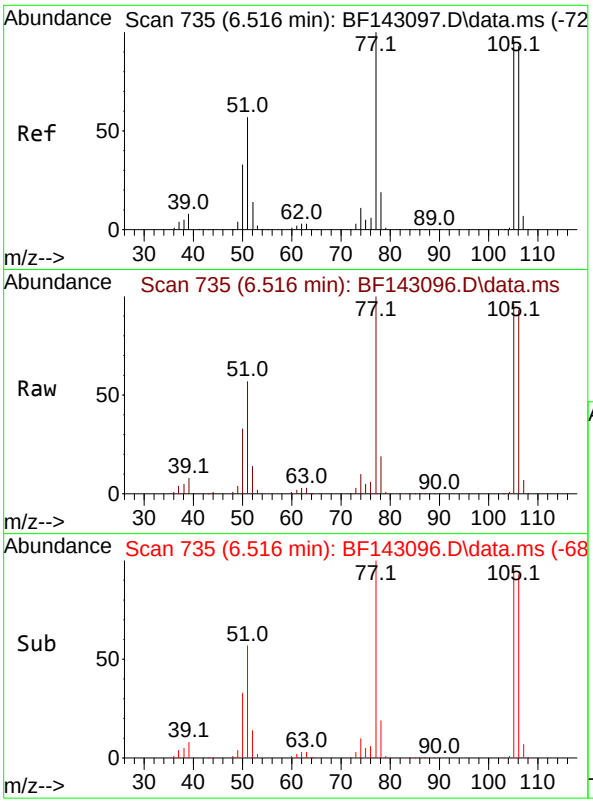


#8
2-Chlorophenol
Concen: 20.775 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:128 Resp: 202437

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.8	52.8
64	54.3	36.1	76.1



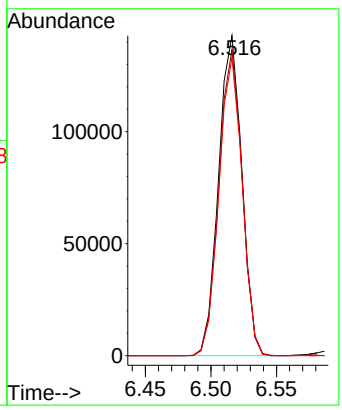


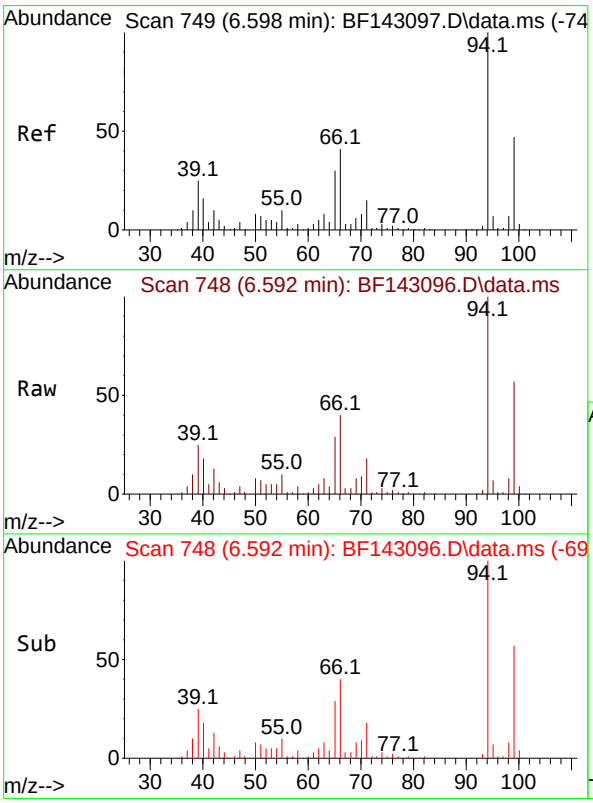
#9
Benzaldehyde
Concen: 18.952 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 176058

Ion	Ratio	Lower	Upper
77	100		
105	95.6	76.3	116.3
106	93.1	72.8	112.8

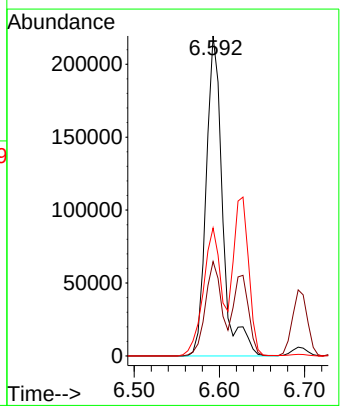


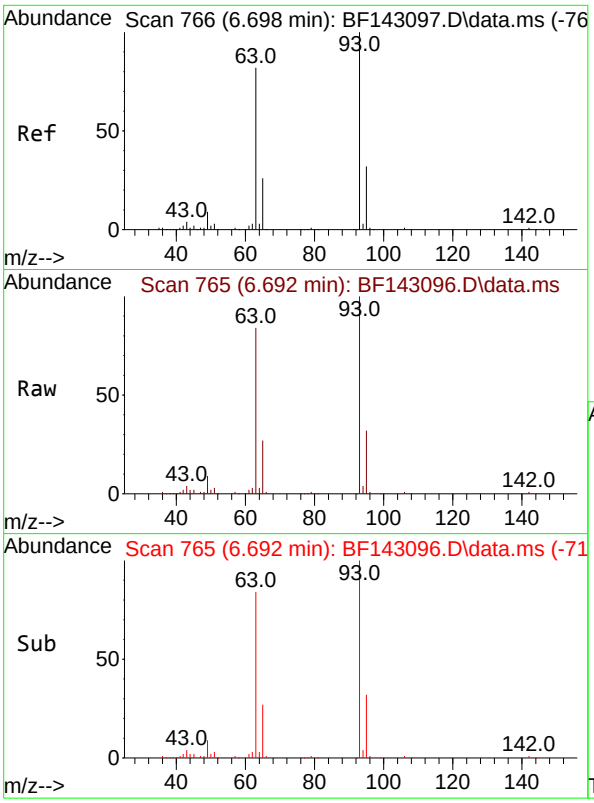


#10
Phenol
Concen: 22.289 ng
RT: 6.592 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 94 Resp: 294162

Ion	Ratio	Lower	Upper
94	100		
65	29.5	9.8	49.8
66	40.0	20.5	60.5



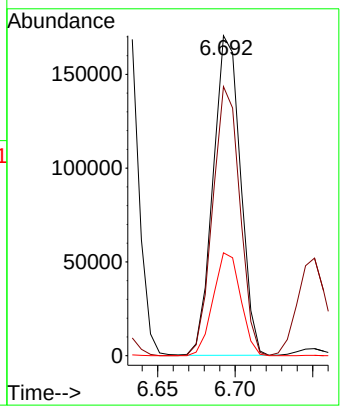


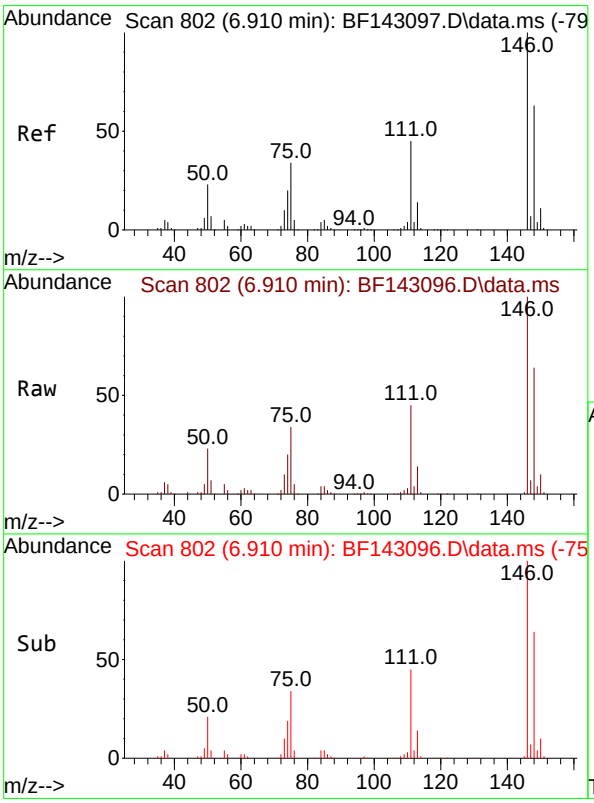
#11
bis(2-Chloroethyl)ether
Concen: 20.491 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 209360

Ion	Ratio	Lower	Upper
93	100		
63	84.1	61.9	101.9
95	32.2	12.2	52.2

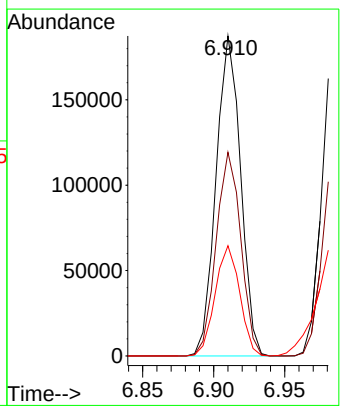


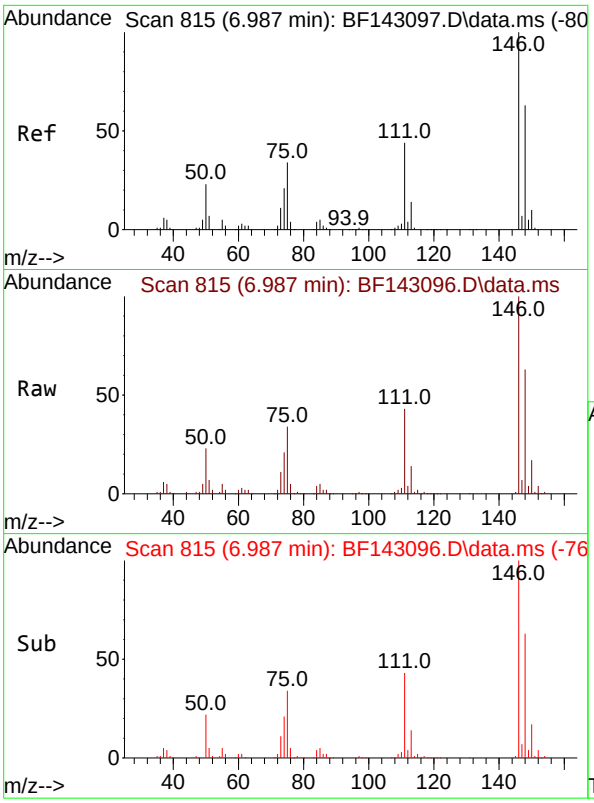


#12
1,3-Dichlorobenzene
Concen: 20.458 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 225218

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.1	75.1
75	34.5	27.4	41.0



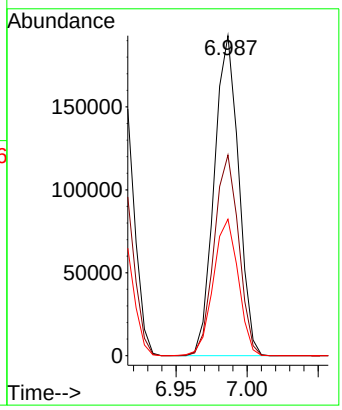


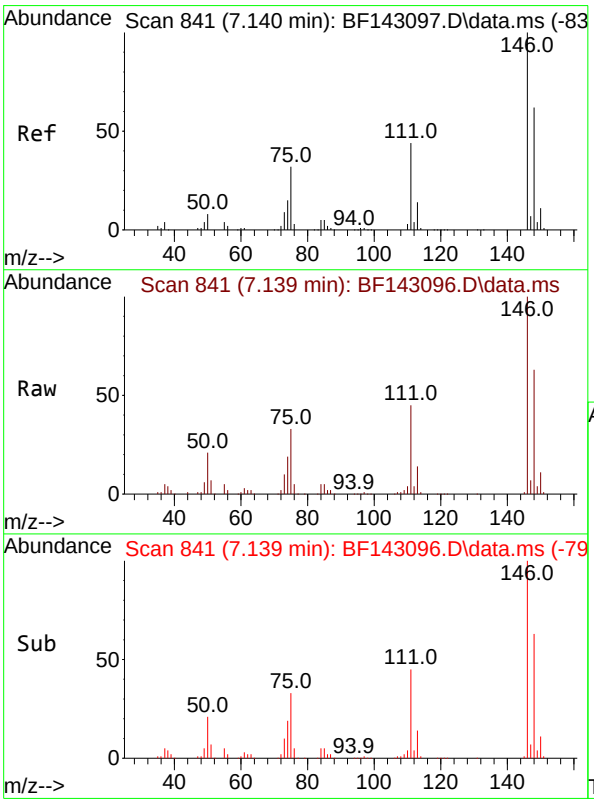
#13
1,4-Dichlorobenzene
Concen: 20.804 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 230409

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	76.0
111	42.7	35.0	52.6

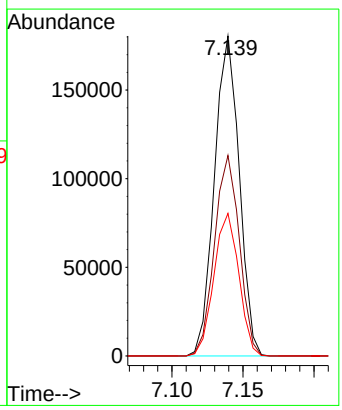


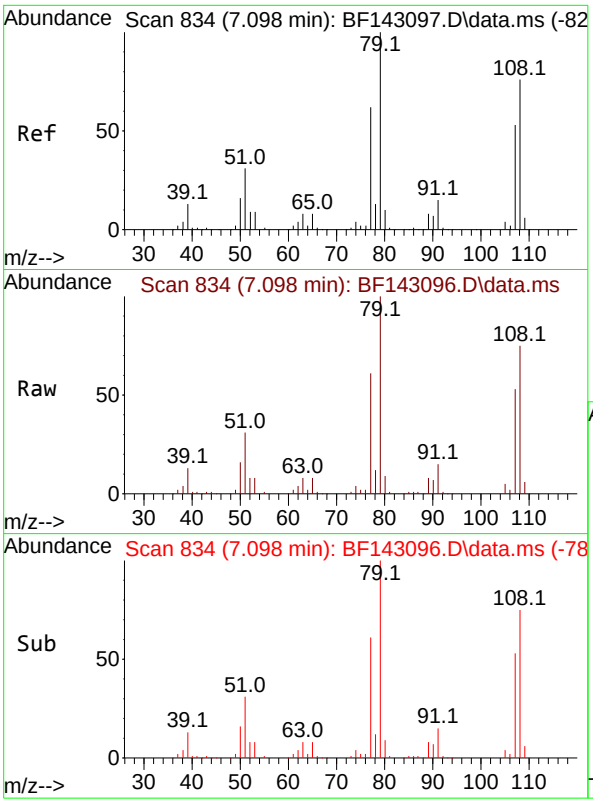


#14
1,2-Dichlorobenzene
Concen: 20.745 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:146 Resp: 219102

Ion	Ratio	Lower	Upper
146	100		
148	62.6	49.8	74.6
111	44.5	35.4	53.0



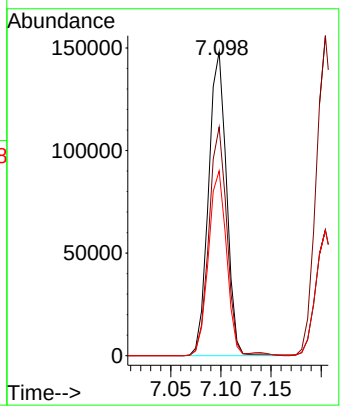


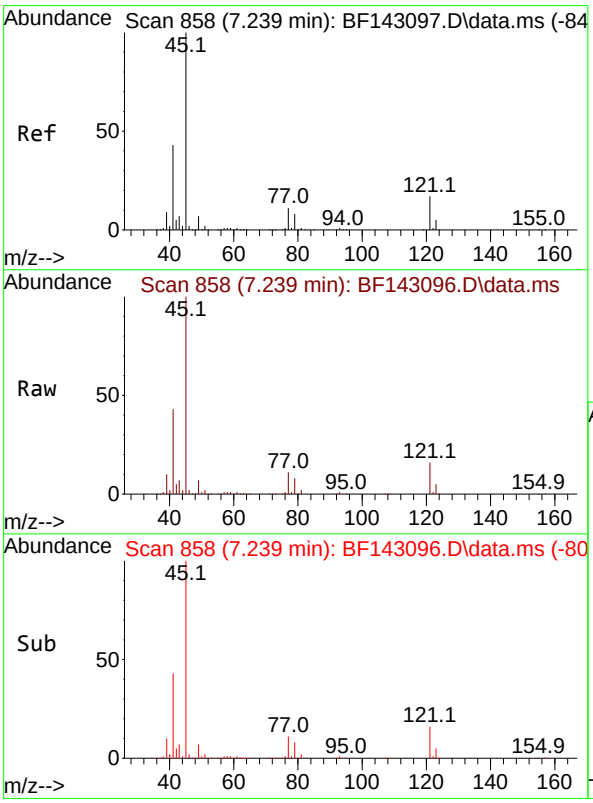
#15
Benzyl Alcohol
Concen: 20.428 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 184535

Ion	Ratio	Lower	Upper
79	100		
108	75.2	61.1	91.7
77	60.8	49.9	74.9

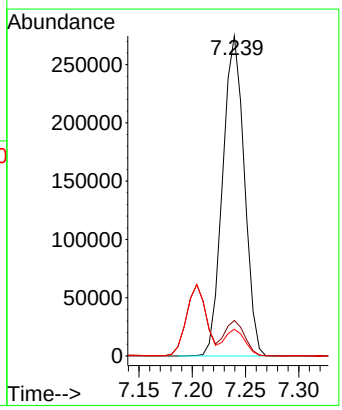


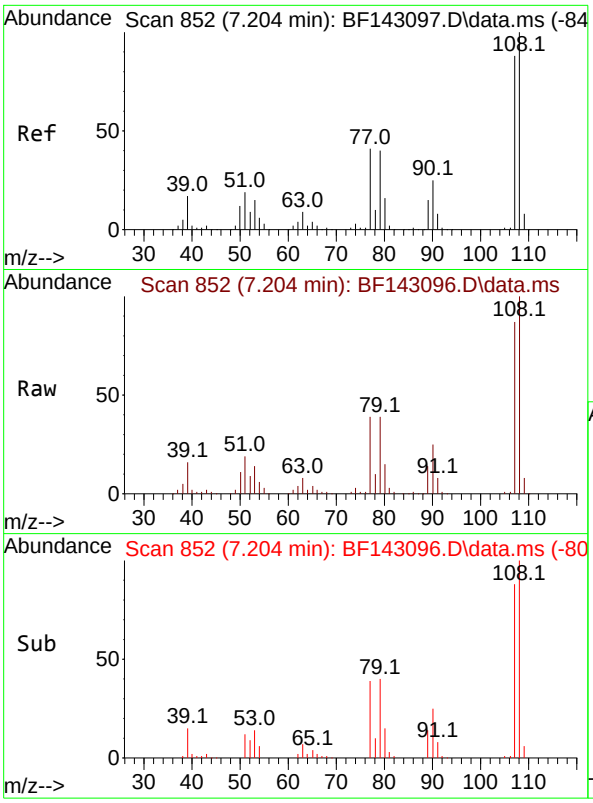


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.571 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 45 Resp: 387425

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.1
79	8.4	0.0	28.4



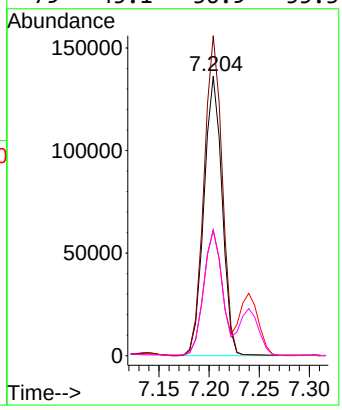


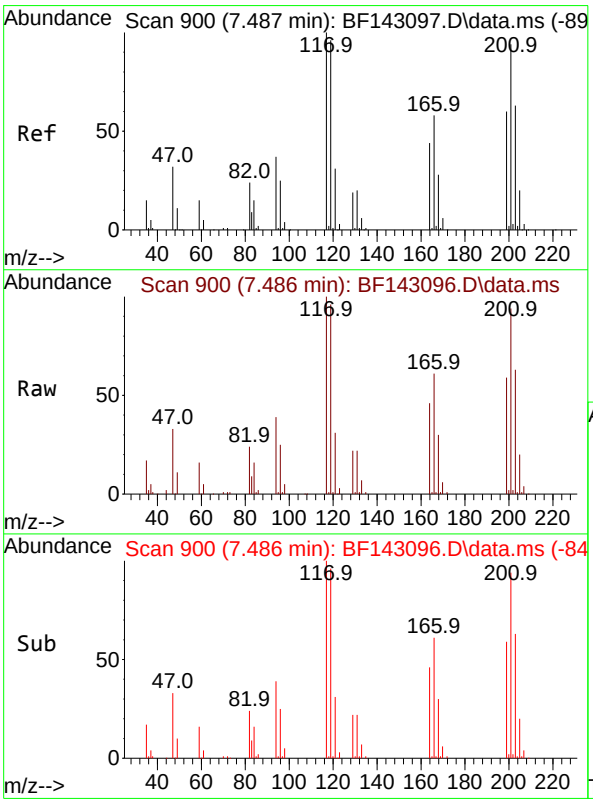
#17
2-Methylphenol
Concen: 20.480 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 172219

Ion	Ratio	Lower	Upper
107	100		
108	114.5	90.9	136.3
77	44.9	37.5	56.3
79	45.1	36.9	55.3

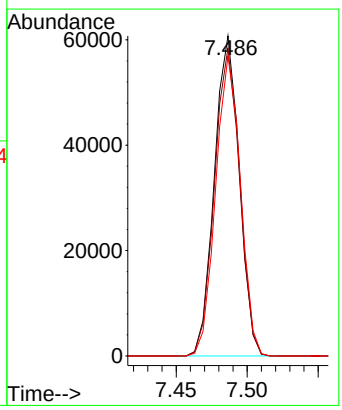


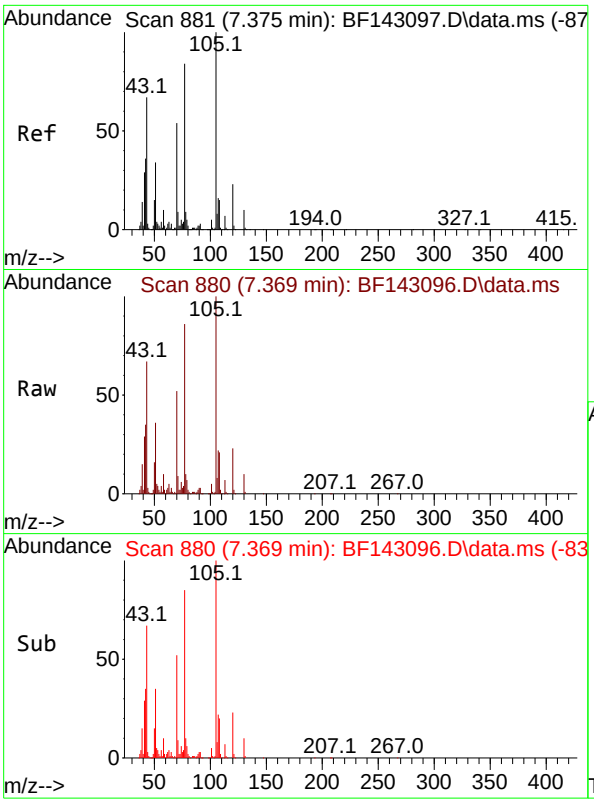


#18
Hexachloroethane
Concen: 20.654 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:117 Resp: 74466

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
201	93.7	75.0	112.4



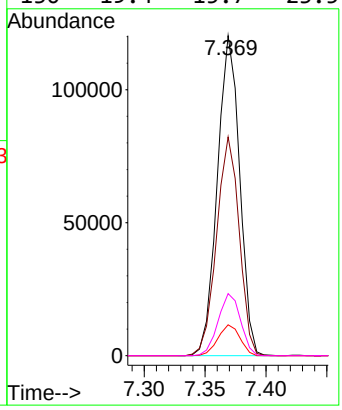


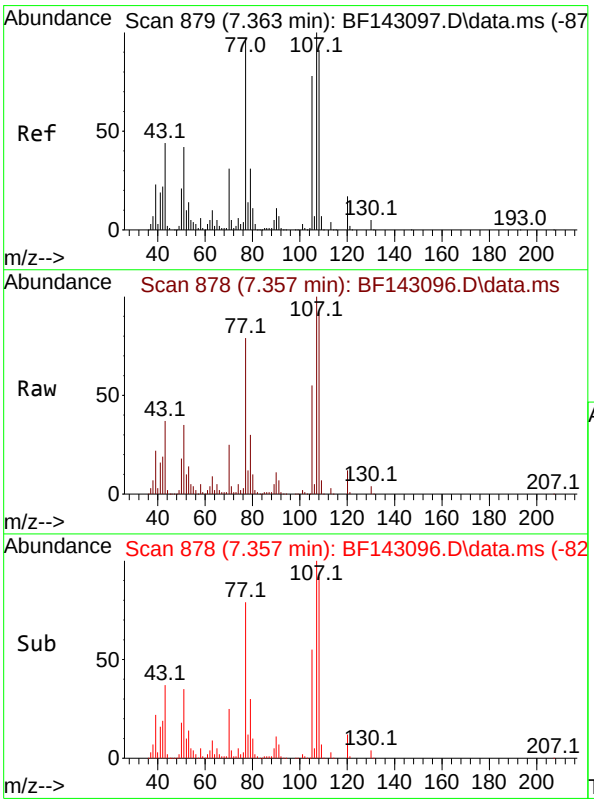
#19
n-Nitroso-di-n-propylamine
Concen: 20.559 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 153555

Ion	Ratio	Lower	Upper
70	100		
42	68.3	53.2	79.8
101	9.7	7.5	11.3
130	19.4	15.7	23.5

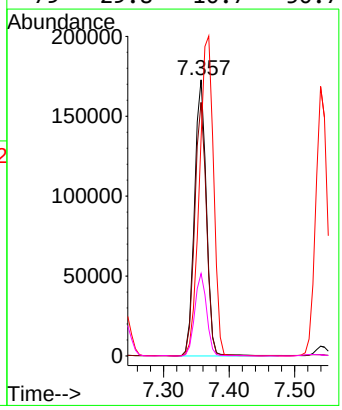


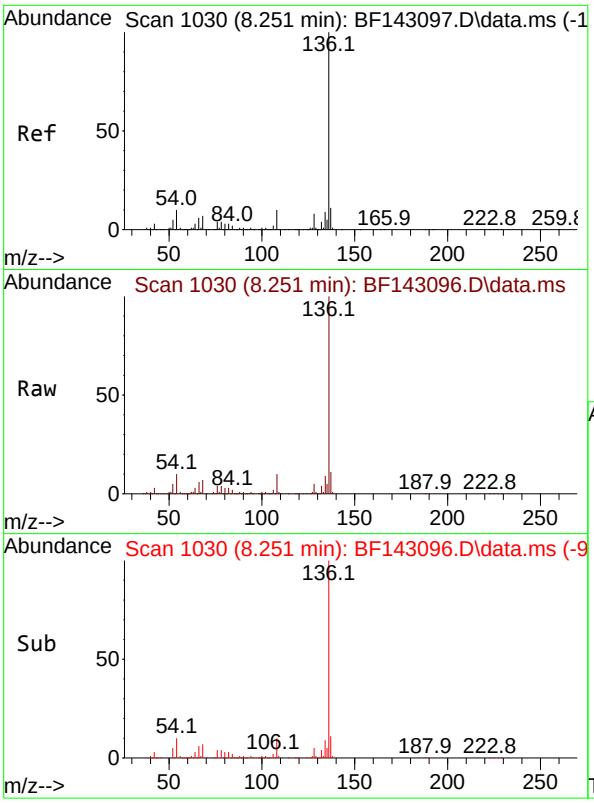


#20
3+4-Methylphenols
Concen: 21.080 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 217393

Ion	Ratio	Lower	Upper
107	100		
108	91.8	71.3	111.3
77	78.6	77.2	117.2
79	29.8	10.7	50.7



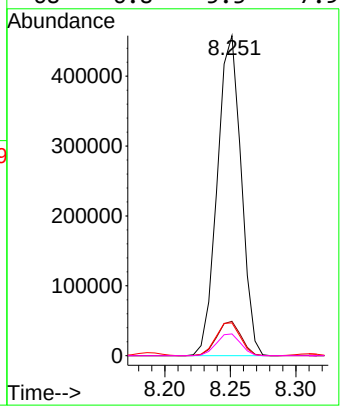


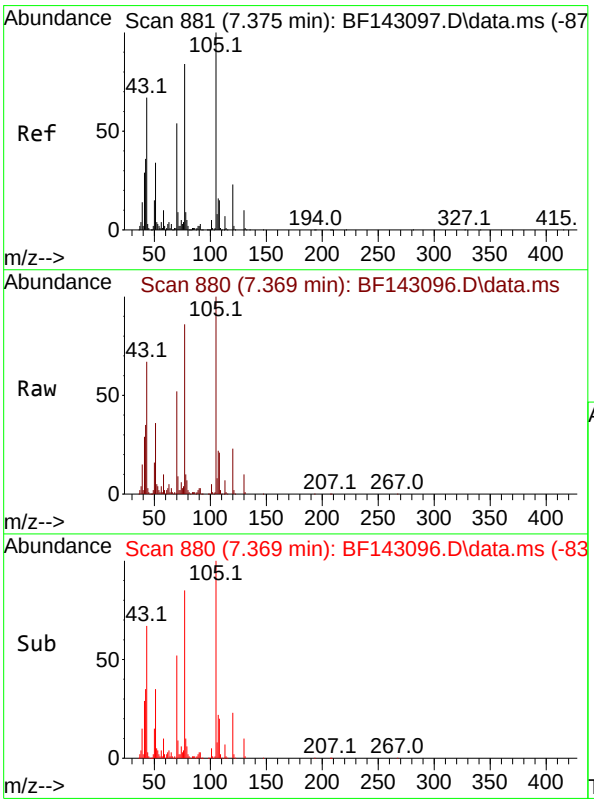
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 579905

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	10.2	8.3	12.5
68	6.8	5.3	7.9

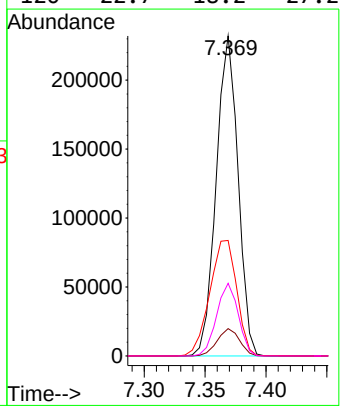


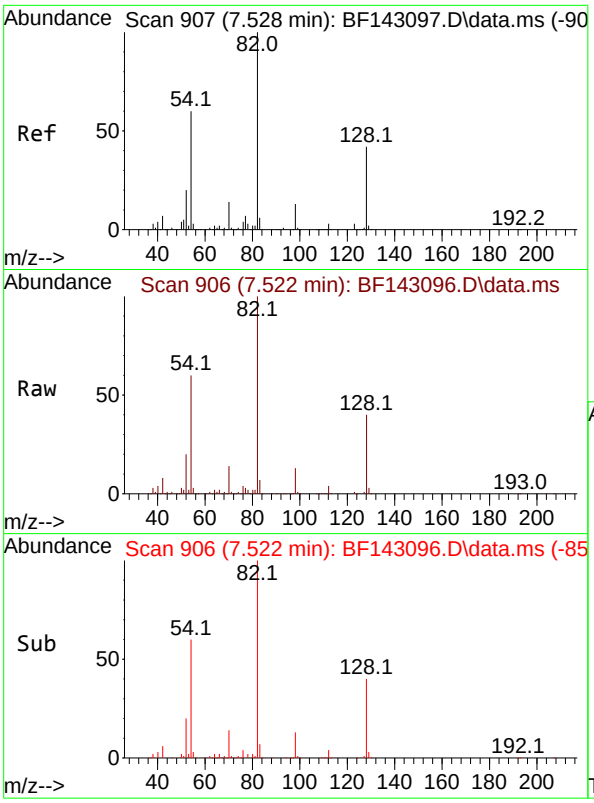


#22
Acetophenone
Concen: 20.725 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:105 Resp: 289716

Ion	Ratio	Lower	Upper
105	100		
71	8.5	7.2	10.8
51	36.1	27.0	40.4
120	22.7	18.2	27.2



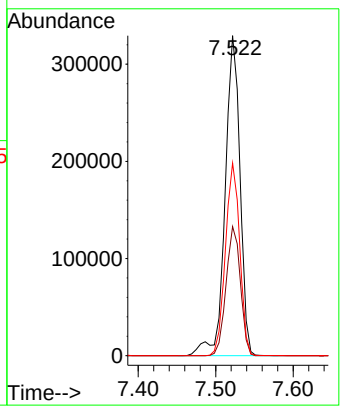


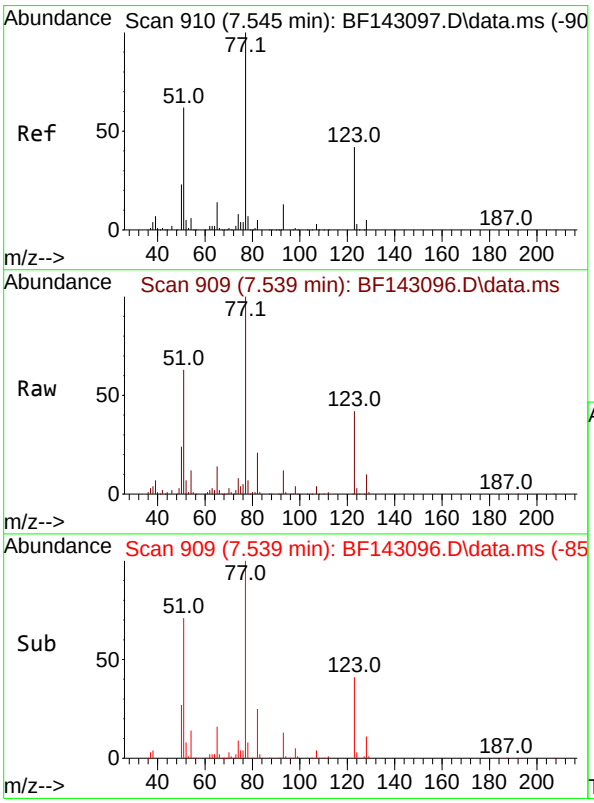
#23
Nitrobenzene-d5
Concen: 42.639 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 440785

Ion	Ratio	Lower	Upper
82	100		
128	40.4	33.3	49.9
54	60.2	47.4	71.2

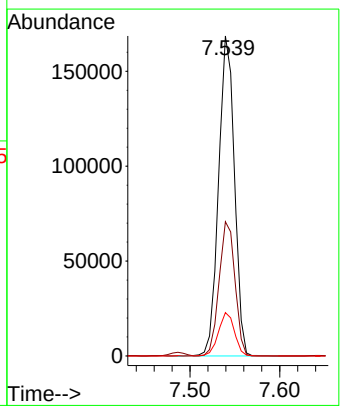


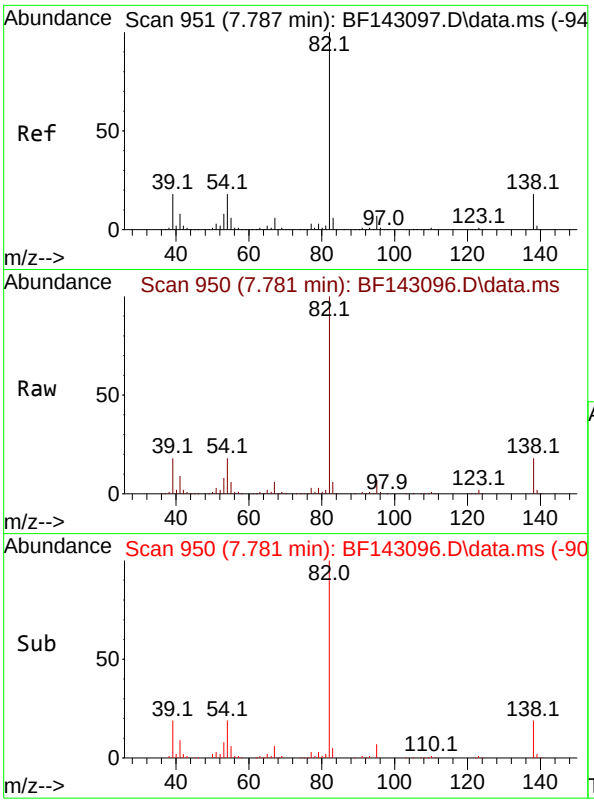


#24
Nitrobenzene
Concen: 20.721 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 77 Resp: 206781

Ion	Ratio	Lower	Upper
77	100		
123	42.0	34.5	51.7
65	13.5	11.3	16.9



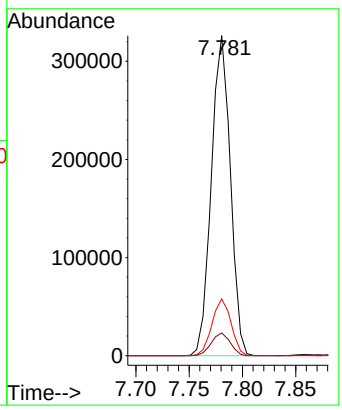


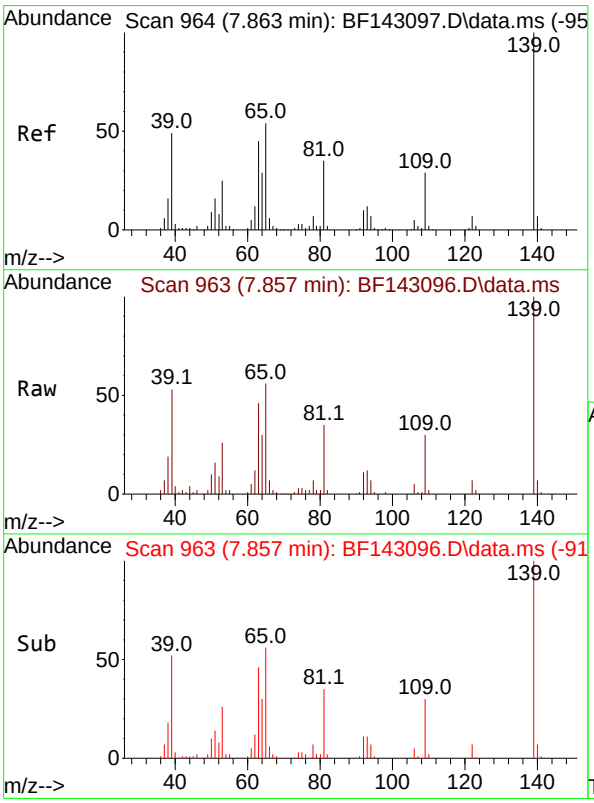
#25
Isophorone
Concen: 20.239 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 404382

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	17.7	14.3	21.5

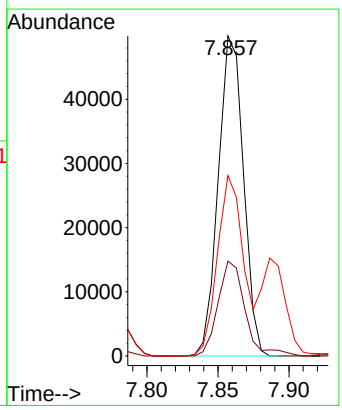


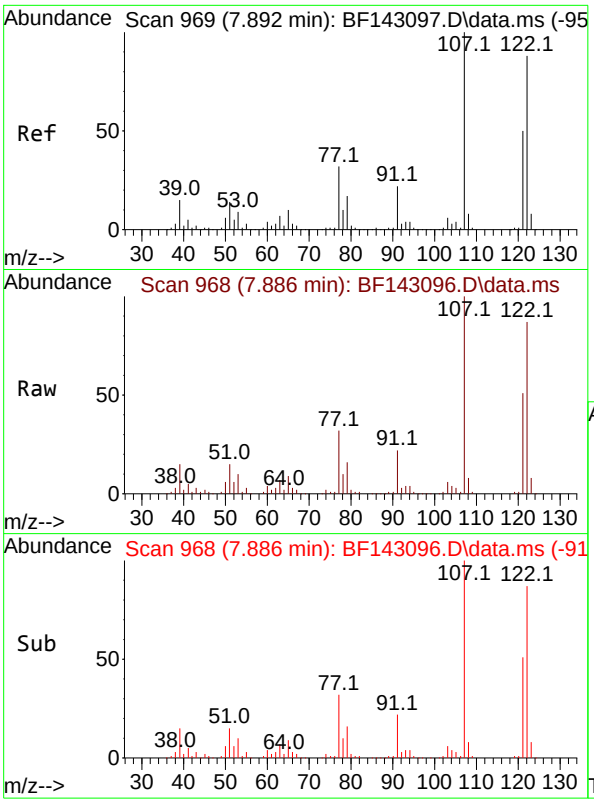


#26
2-Nitrophenol
Concen: 18.099 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 61544

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.4	35.0
65	56.3	43.4	65.2



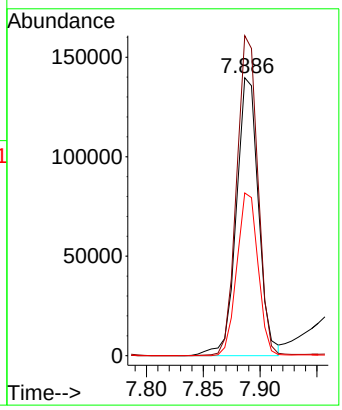


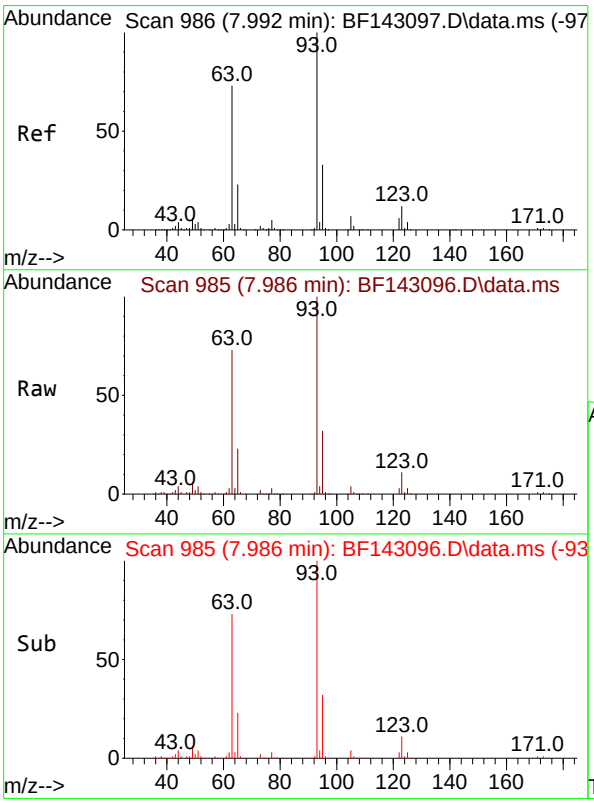
#27
2,4-Dimethylphenol
Concen: 20.363 ng
RT: 7.886 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 188840

Ion	Ratio	Lower	Upper
122	100		
107	115.1	91.3	136.9
121	58.6	45.5	68.3

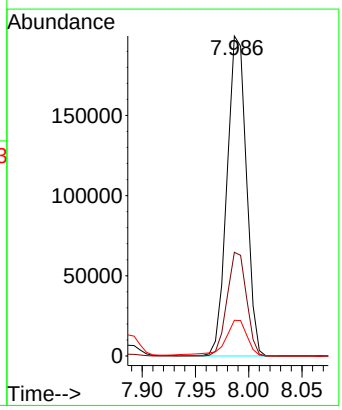


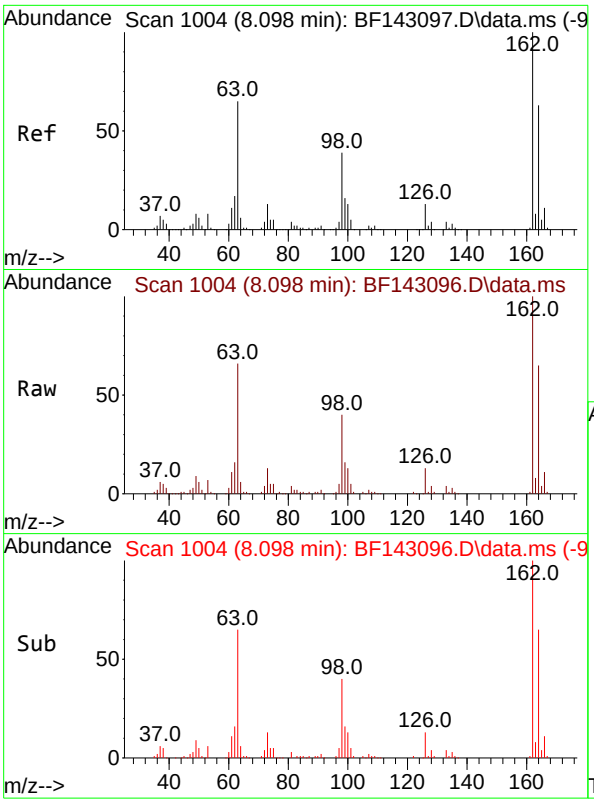


#28
bis(2-Chloroethoxy)methane
Concen: 20.814 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 93 Resp: 252183

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	11.1	9.6	14.4



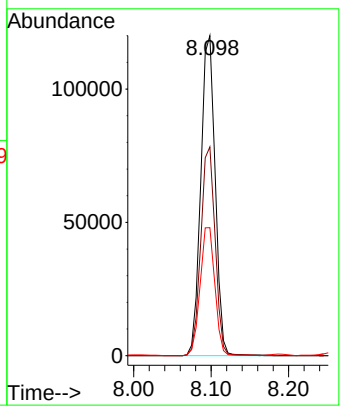


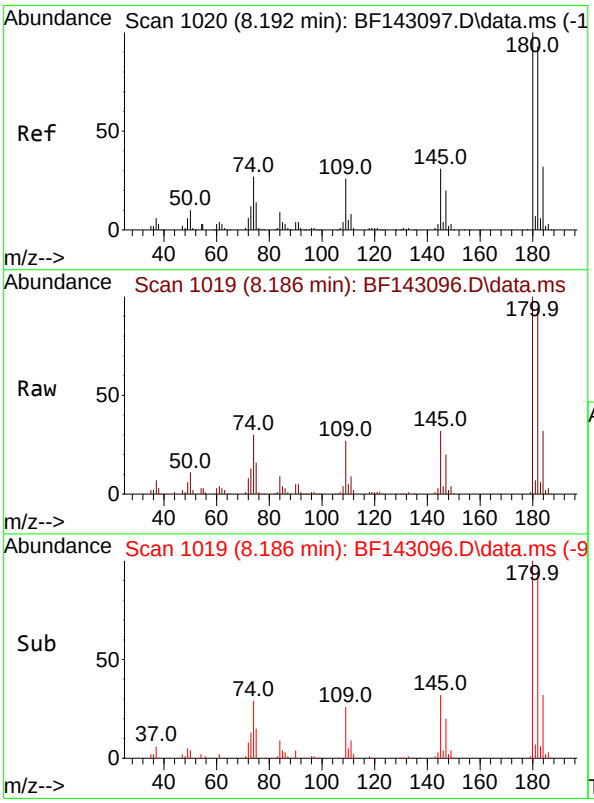
#29
2,4-Dichlorophenol
Concen: 20.427 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 154978

Ion	Ratio	Lower	Upper
162	100		
164	65.2	43.1	83.1
98	40.0	19.2	59.2

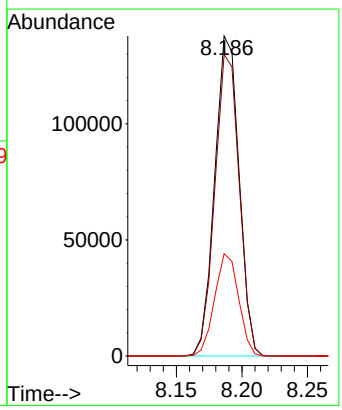


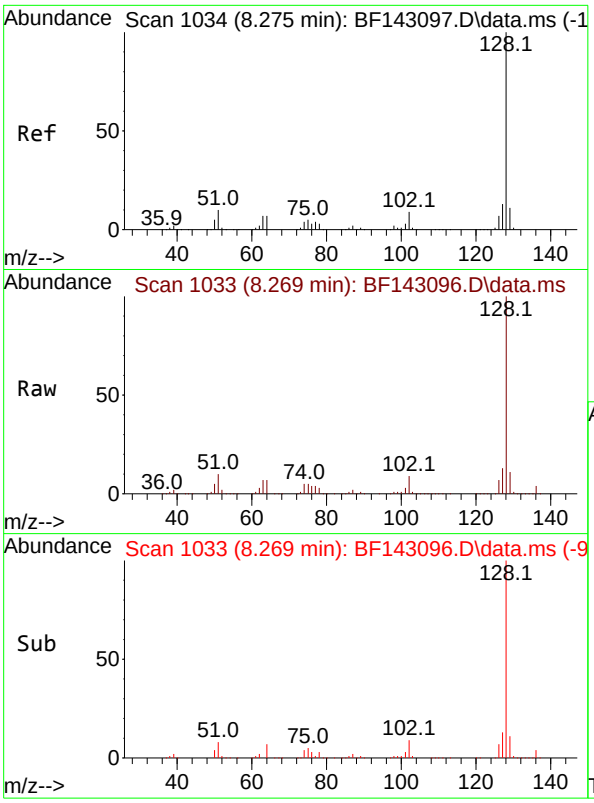


#30
1,2,4-Trichlorobenzene
Concen: 20.647 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:180 Resp: 177770

Ion	Ratio	Lower	Upper
180	100		
182	94.2	74.7	112.1
145	31.9	24.5	36.7



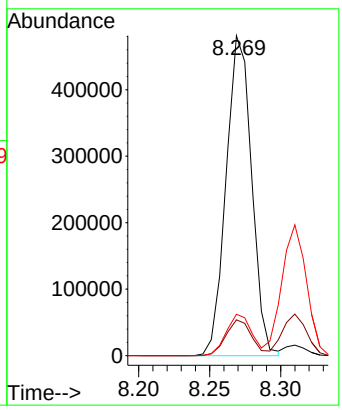


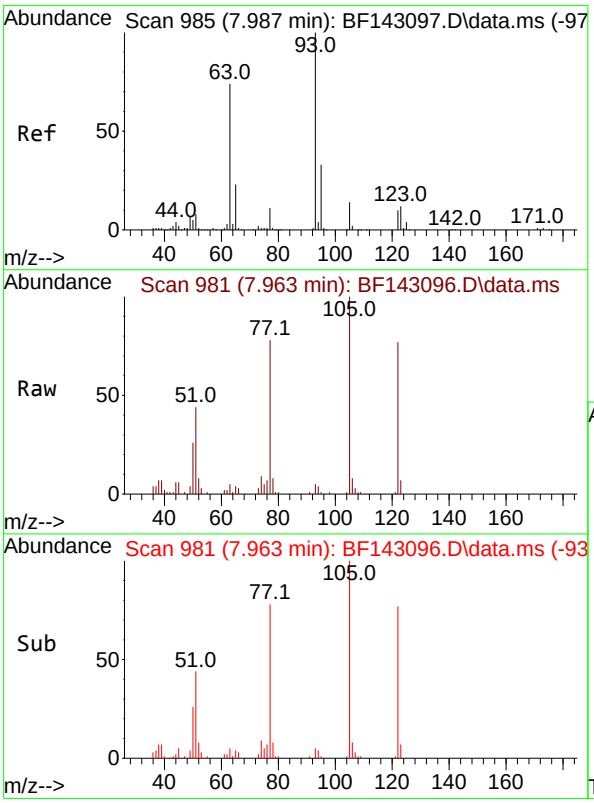
#31
Naphthalene
Concen: 20.881 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 601316

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.0	10.5	15.7

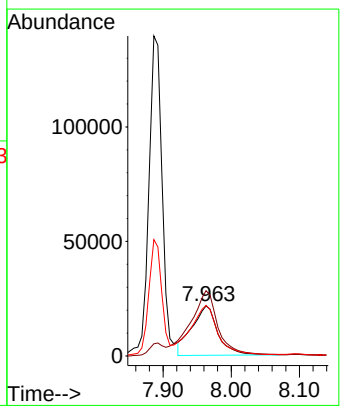


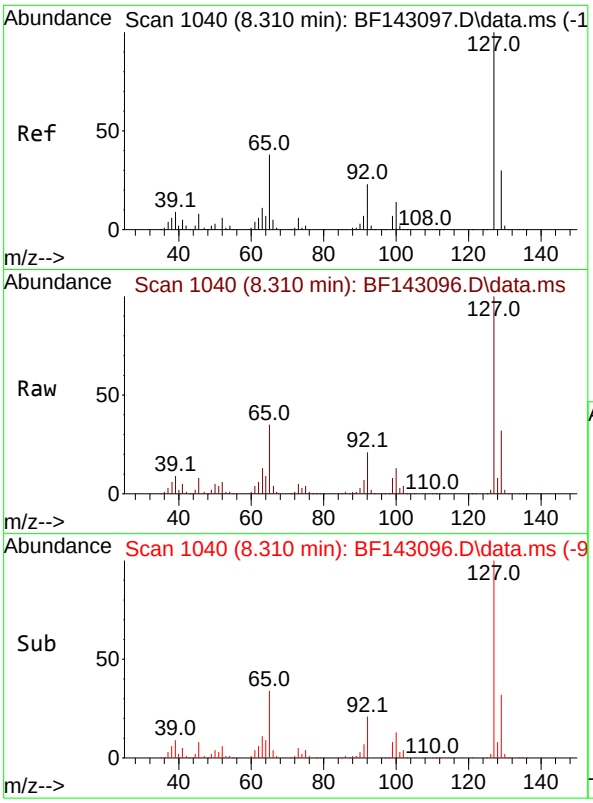


#32
Benzoic acid
Concen: 17.222 ng
RT: 7.963 min Scan# 981
Delta R.T. -0.024 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:122 Resp: 57220

Ion	Ratio	Lower	Upper
122	100		
105	130.0	105.4	145.4
77	100.9	78.6	118.6



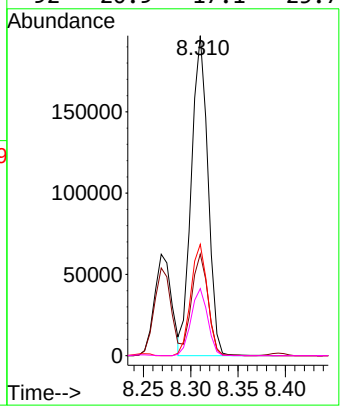


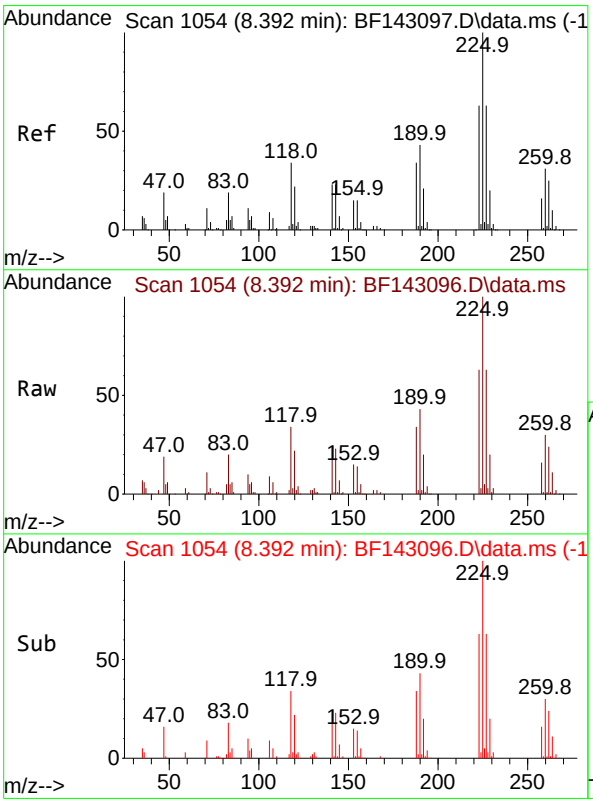
#33
4-Chloroaniline
Concen: 20.714 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 239869

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.2	39.4
65	34.8	28.6	42.8
92	20.9	17.1	25.7

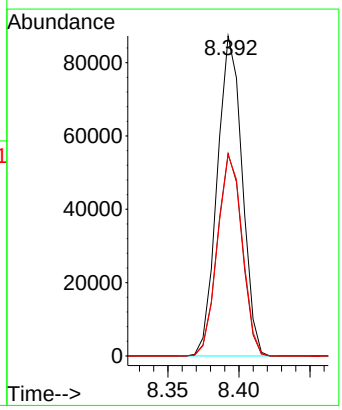


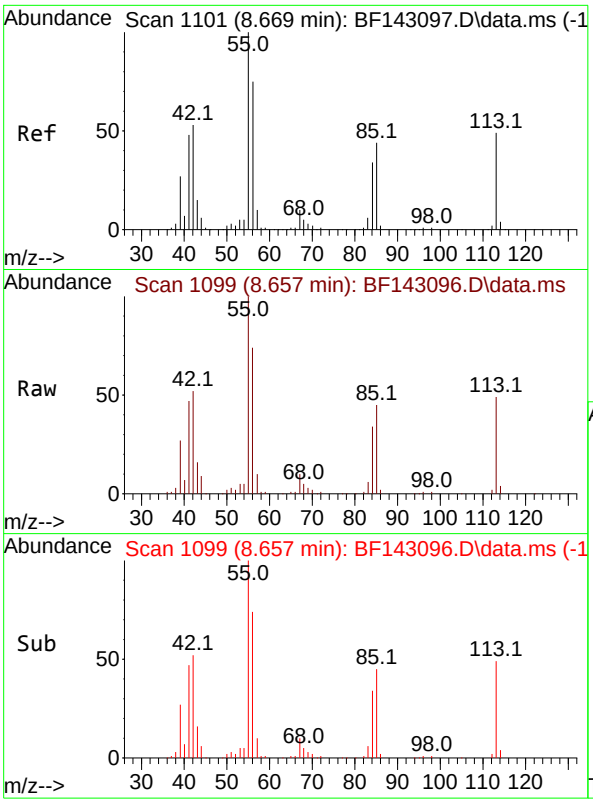


#34
Hexachlorobutadiene
Concen: 20.655 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:225 Resp: 106359

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	62.9	50.1	75.1



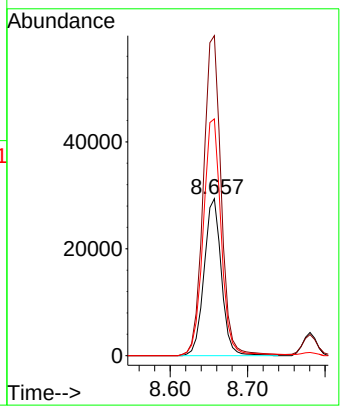


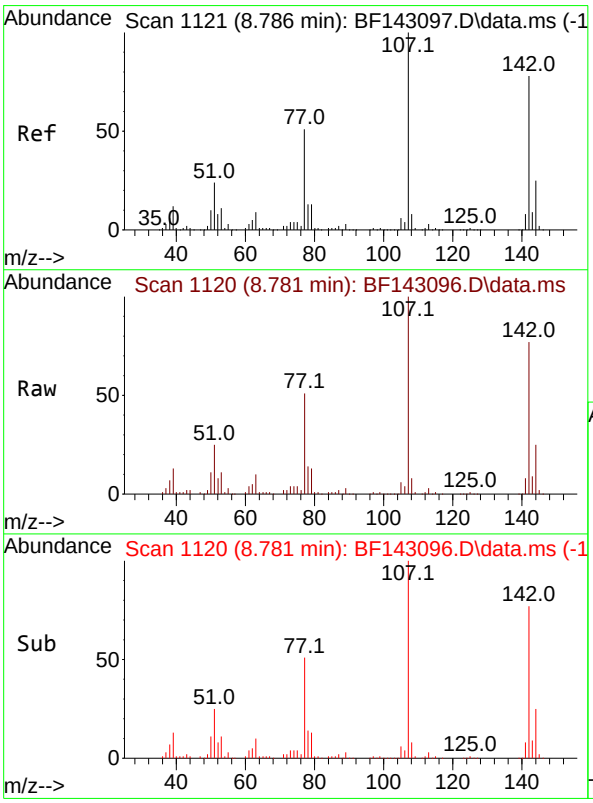
#35
Caprolactam
Concen: 19.171 ng
RT: 8.657 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 45418

Ion	Ratio	Lower	Upper
113	100		
55	203.9	186.2	226.2
56	150.9	134.1	174.1

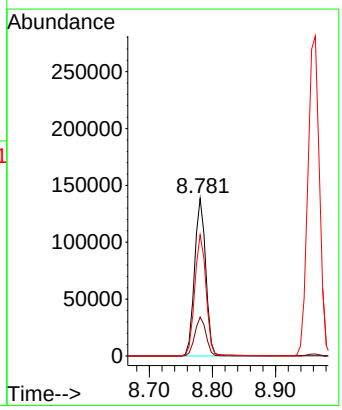


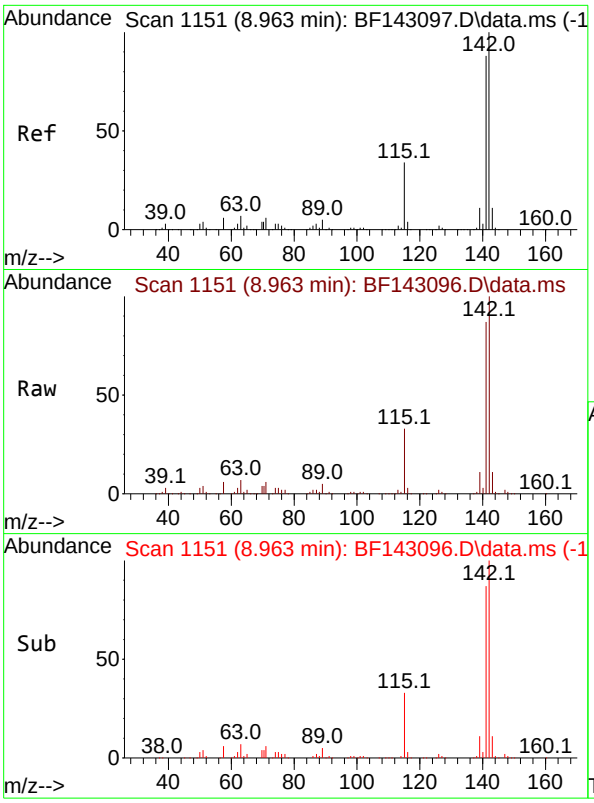


#36
4-Chloro-3-methylphenol
Concen: 20.307 ng
RT: 8.781 min Scan# 1120
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:107 Resp: 171615

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.2	30.2
142	77.0	62.4	93.6



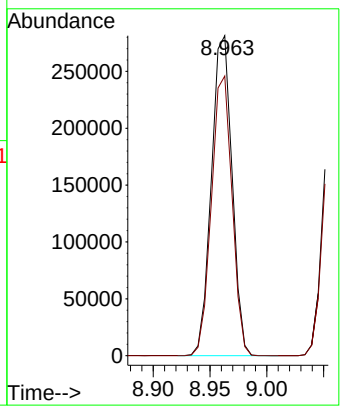


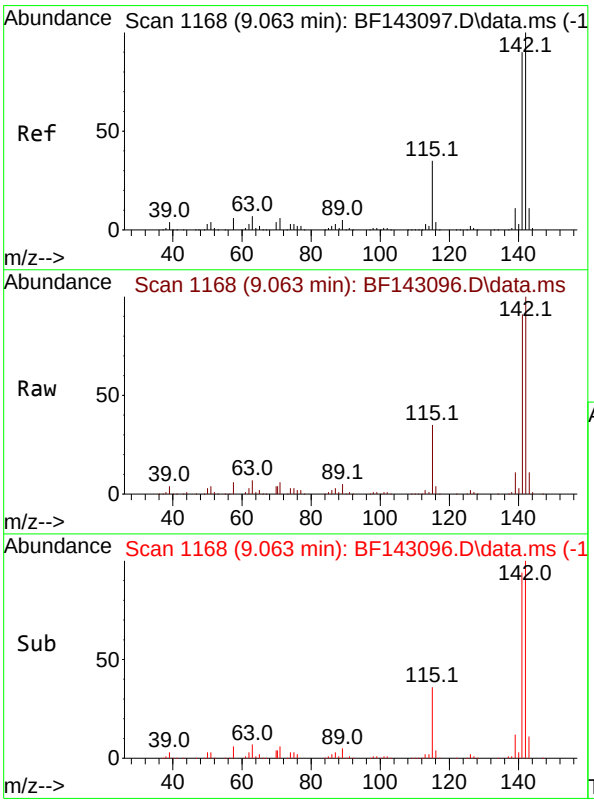
#37
2-Methylnaphthalene
Concen: 20.744 ng
RT: 8.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 356378

Ion	Ratio	Lower	Upper
142	100		
141	87.4	70.2	105.2

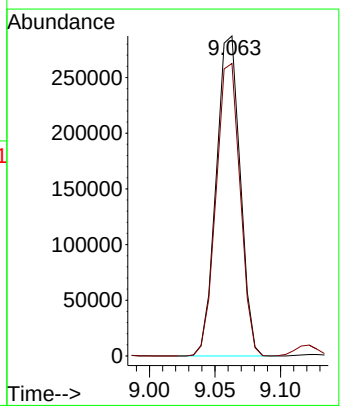


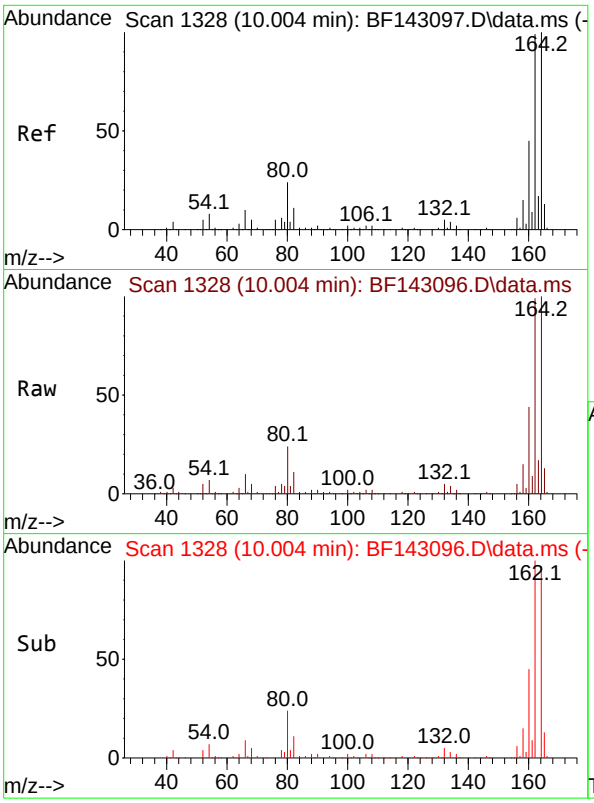


#38
1-Methylnaphthalene
Concen: 20.524 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:142 Resp: 365700

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.2	108.4



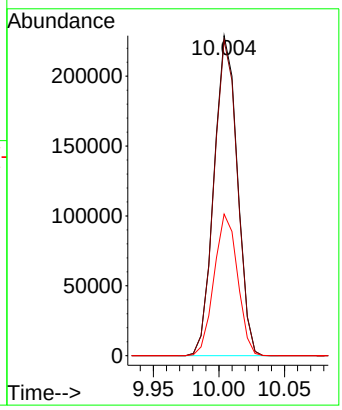


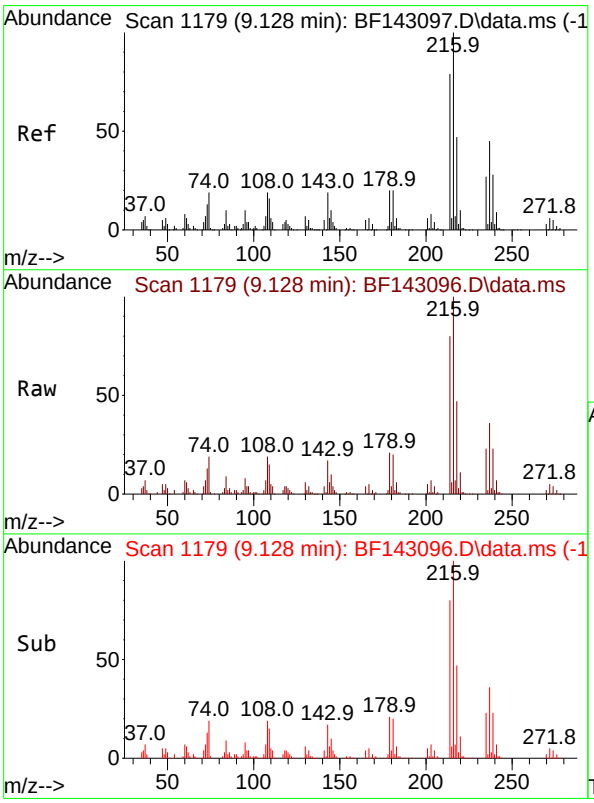
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 283300

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.0	118.6
160	44.2	35.8	53.6

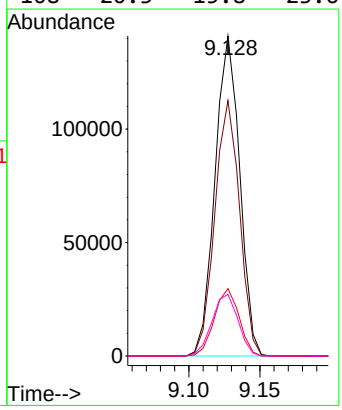


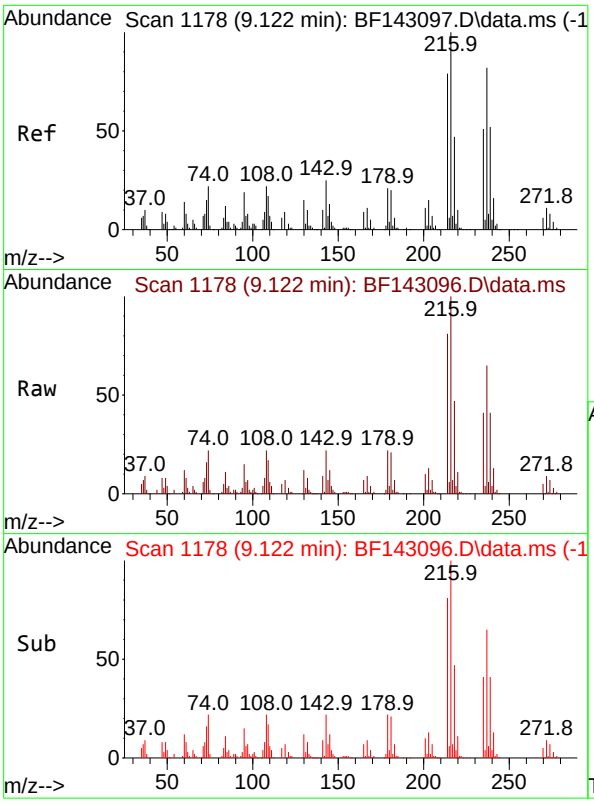


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.673 ng
RT: 9.128 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:216 Resp: 170678

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.6	94.0
179	21.1	16.2	24.2
108	20.3	15.8	23.6



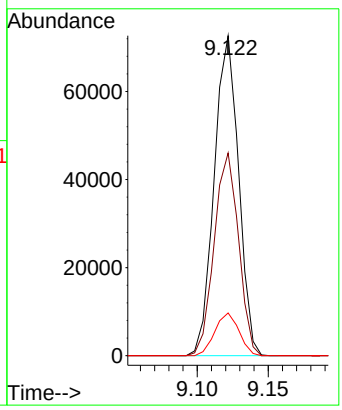


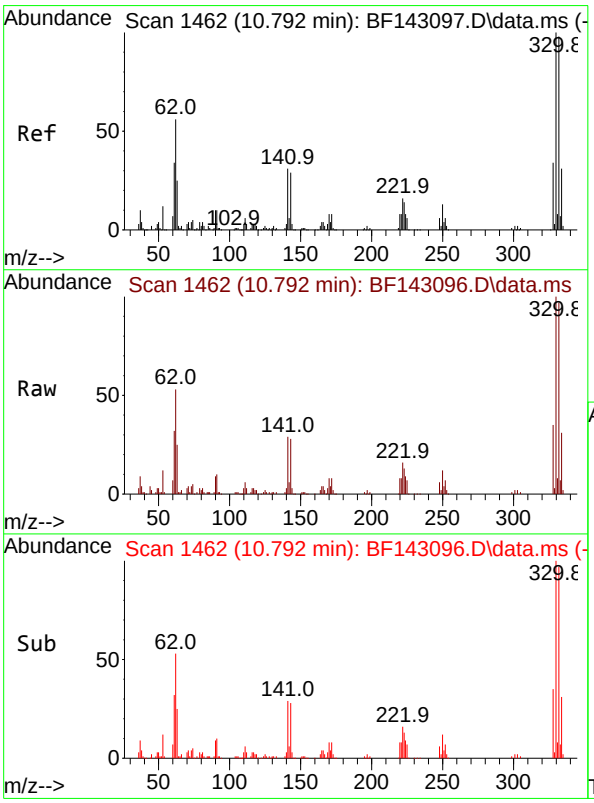
#41
Hexachlorocyclopentadiene
Concen: 18.918 ng
RT: 9.122 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 86596

Ion	Ratio	Lower	Upper
237	100		
235	63.3	41.6	81.6
272	13.4	0.0	32.9

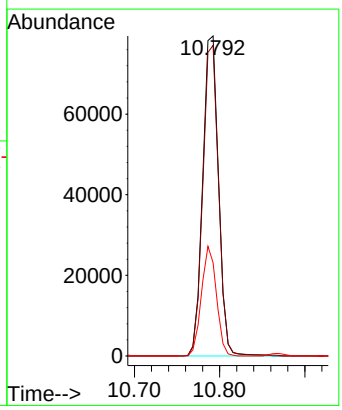


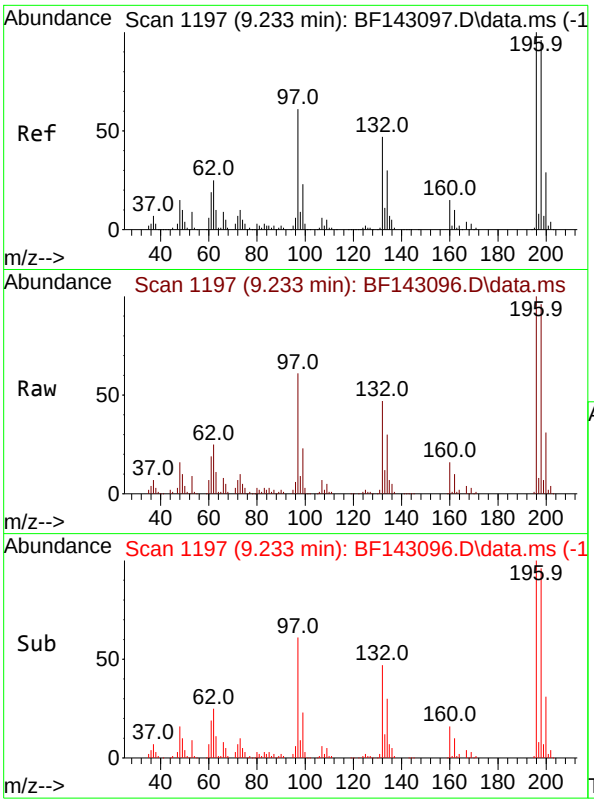


#42
2,4,6-Tribromophenol
Concen: 40.489 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:330 Resp: 102277

Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.9	116.9
141	32.4	25.9	38.9



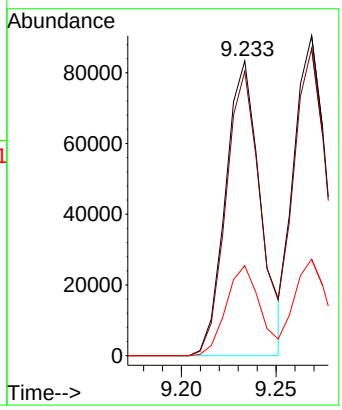


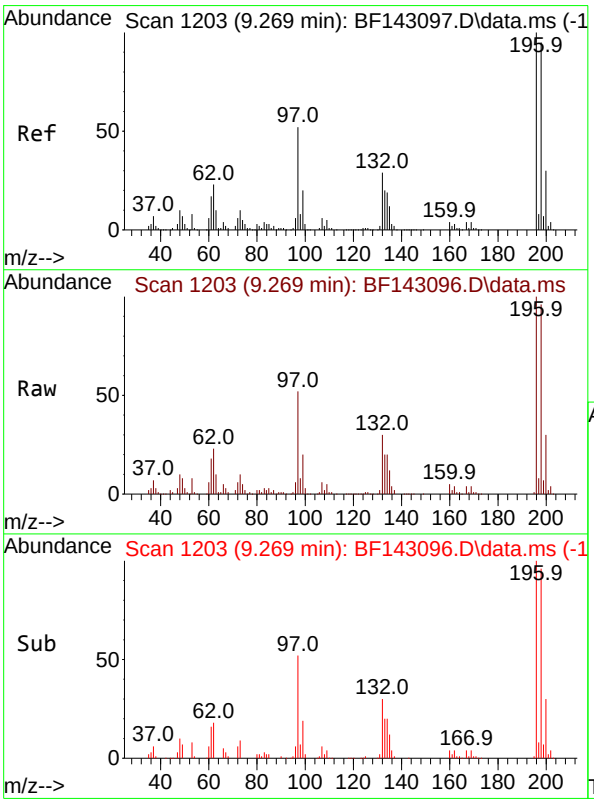
#43
2,4,6-Trichlorophenol
Concen: 20.815 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 106780

Ion	Ratio	Lower	Upper
196	100		
198	96.5	76.9	115.3
200	30.6	23.5	35.3

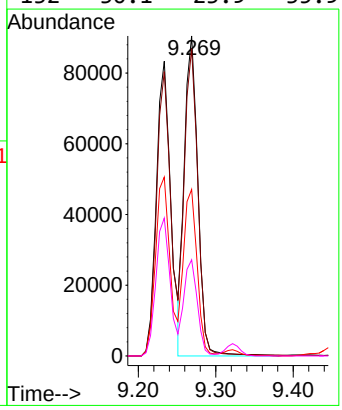


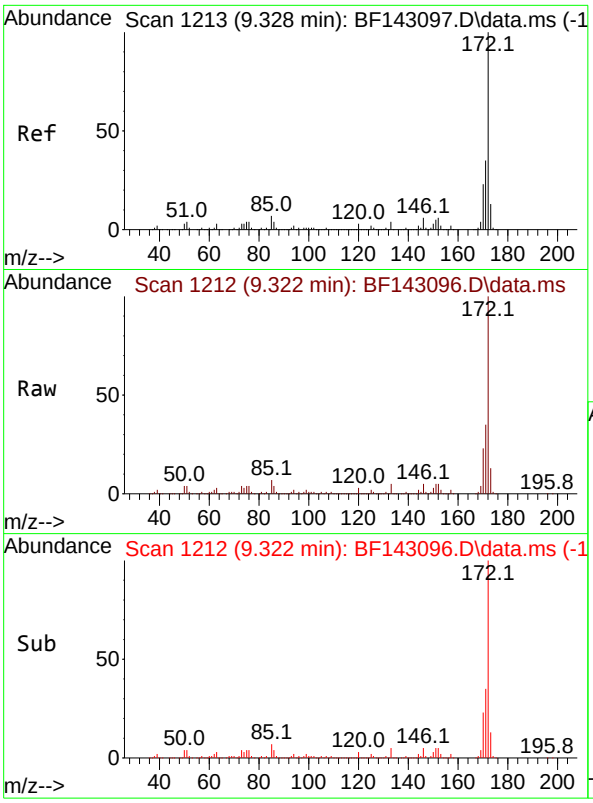


#44
2,4,5-Trichlorophenol
Concen: 20.537 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:196 Resp: 110466

Ion	Ratio	Lower	Upper
196	100		
198	96.0	76.4	114.6
97	52.0	42.4	63.6
132	30.1	23.9	35.9



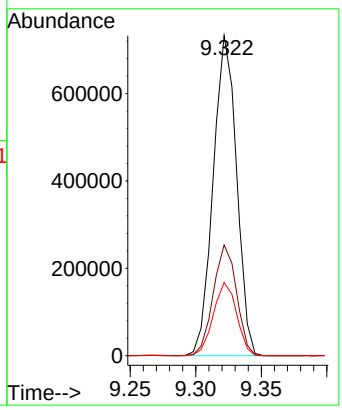


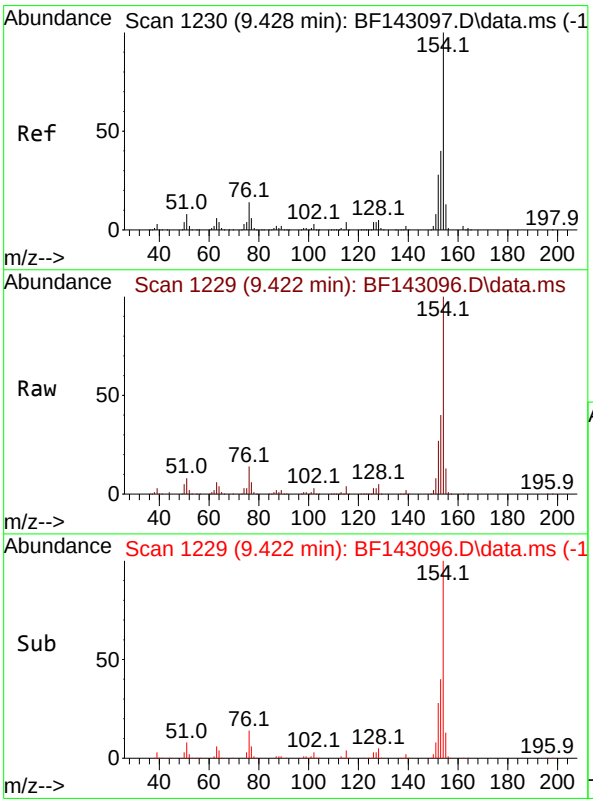
#45
2-Fluorobiphenyl
Concen: 42.581 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 907497

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.2	42.4
170	22.9	18.6	28.0

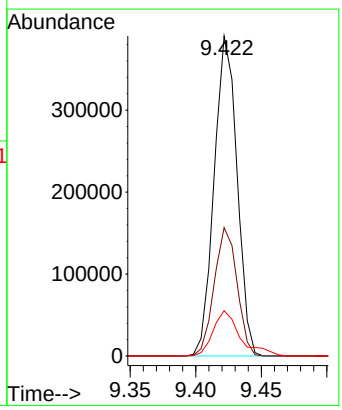


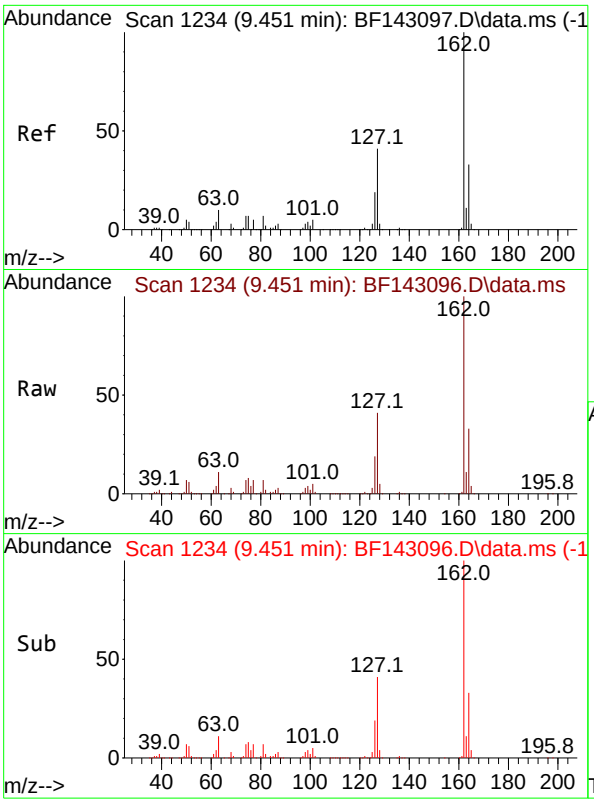


#46
1,1'-Biphenyl
Concen: 20.955 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 473419

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	14.2	0.0	33.7



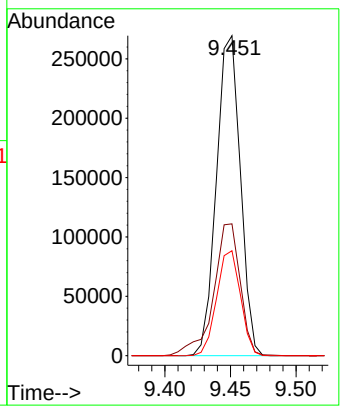


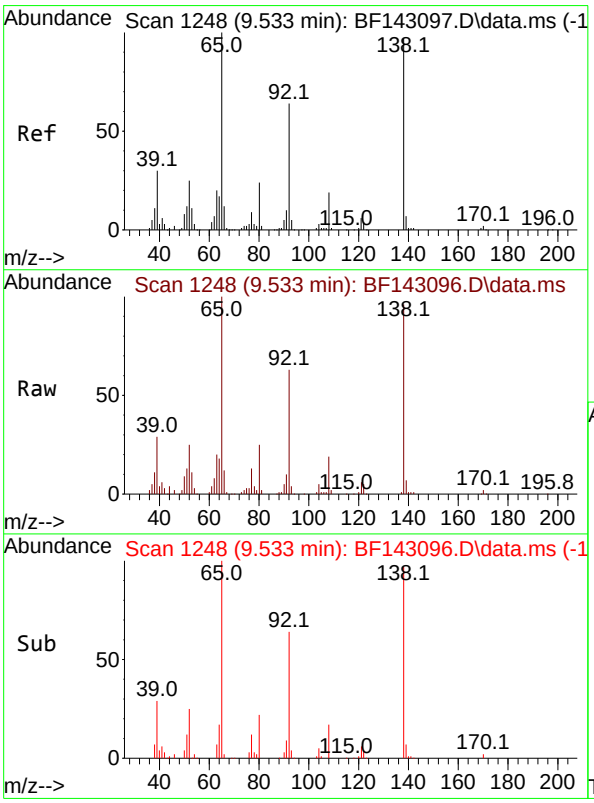
#47
2-Chloronaphthalene
Concen: 20.584 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 341636

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.0	49.6
164	32.8	26.1	39.1

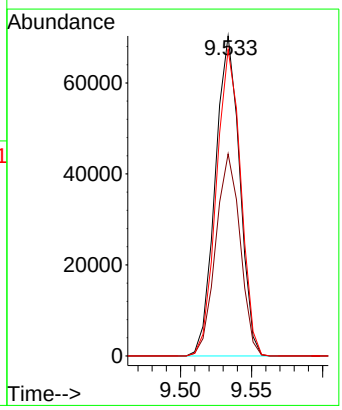


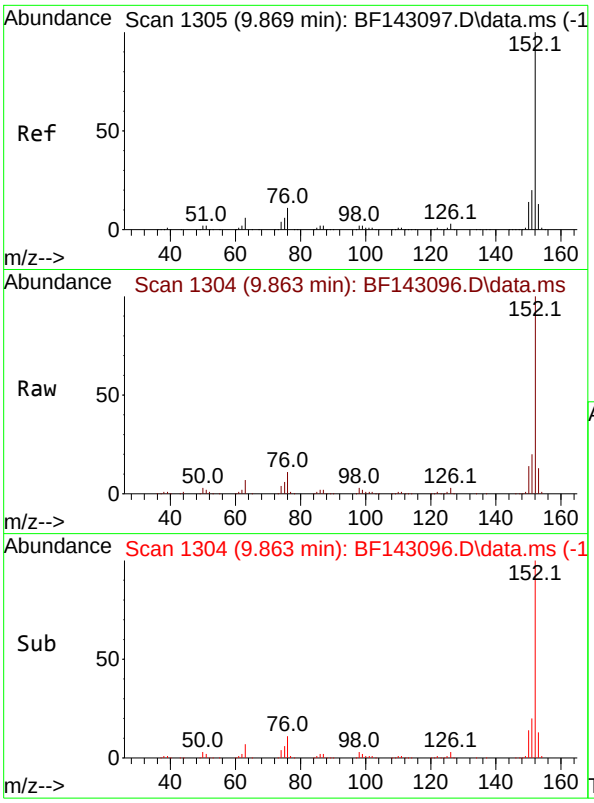


#48
2-Nitroaniline
Concen: 18.969 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion: 65 Resp: 83805

Ion	Ratio	Lower	Upper
65	100		
92	63.1	51.3	76.9
138	95.8	77.8	116.6



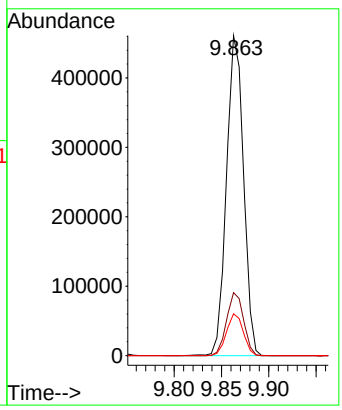


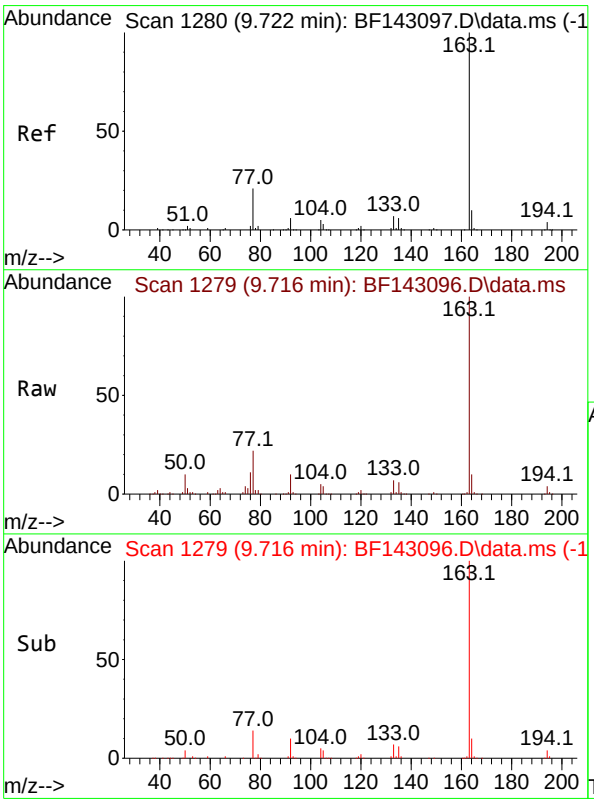
#49
Acenaphthylene
Concen: 20.837 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 576265

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.8
153	13.1	10.4	15.6

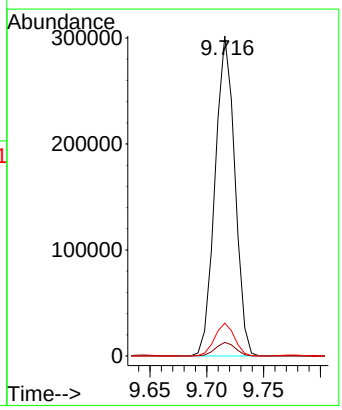


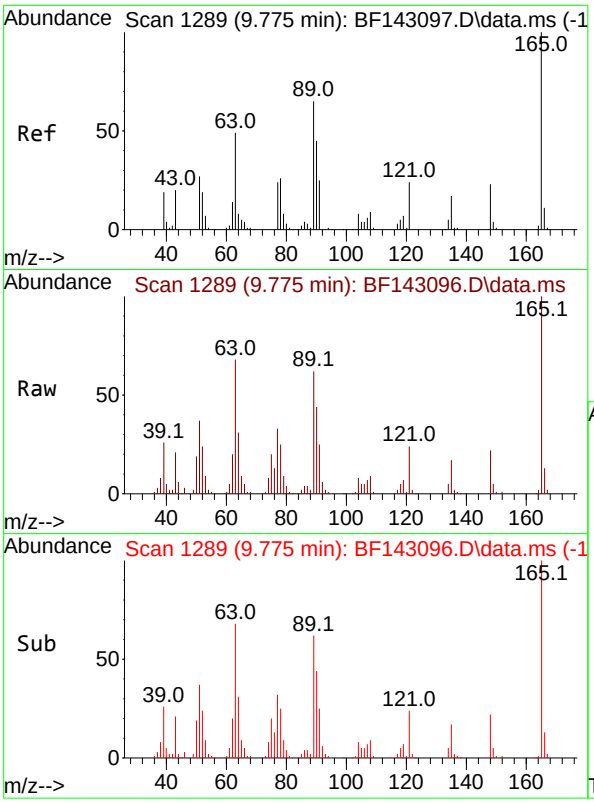


#50
Dimethylphthalate
Concen: 20.536 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:163 Resp: 366019

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.2	8.2	12.2



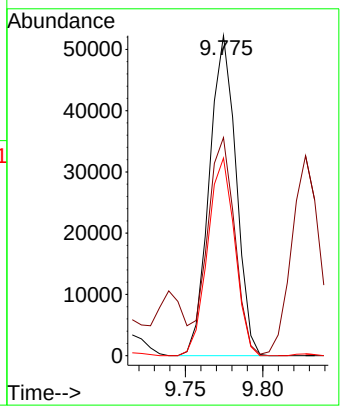


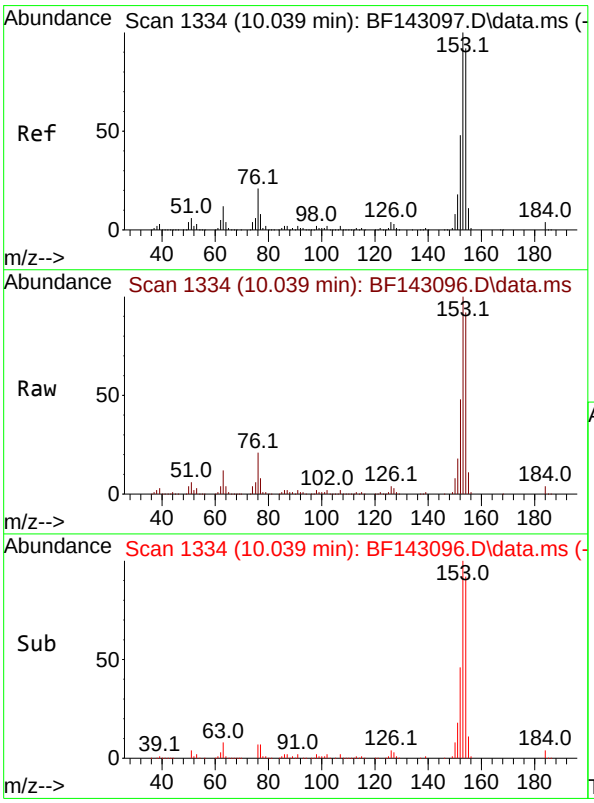
#51
2,6-Dinitrotoluene
Concen: 19.583 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 62776

Ion	Ratio	Lower	Upper
165	100		
63	68.1	57.4	86.0
89	61.7	51.8	77.8

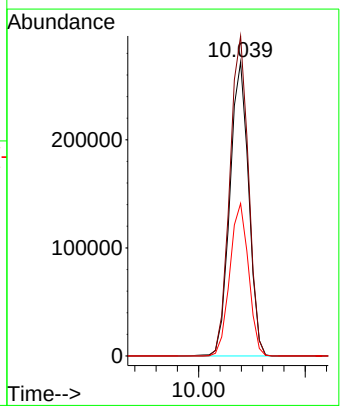


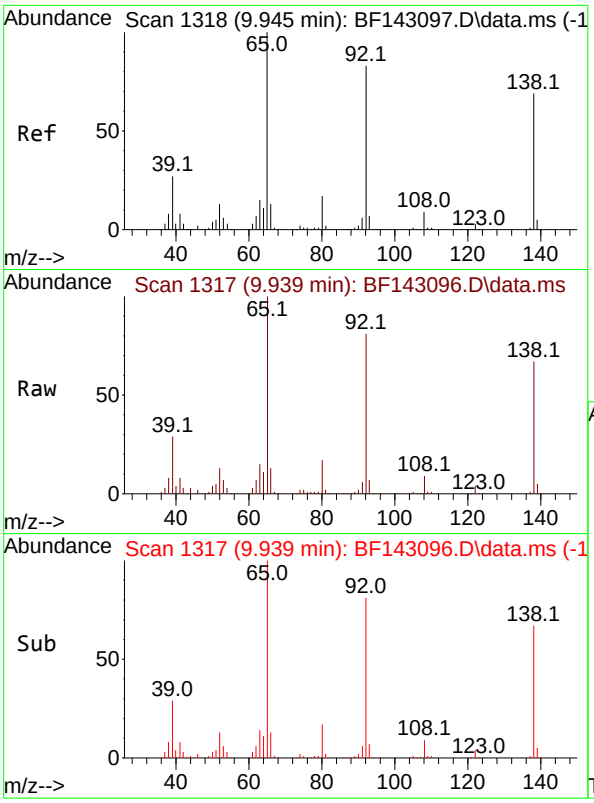


#52
Acenaphthene
Concen: 20.369 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:154 Resp: 332427

Ion	Ratio	Lower	Upper
154	100		
153	108.9	86.7	130.1
152	51.9	41.4	62.2



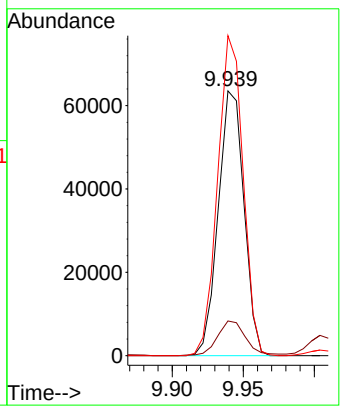


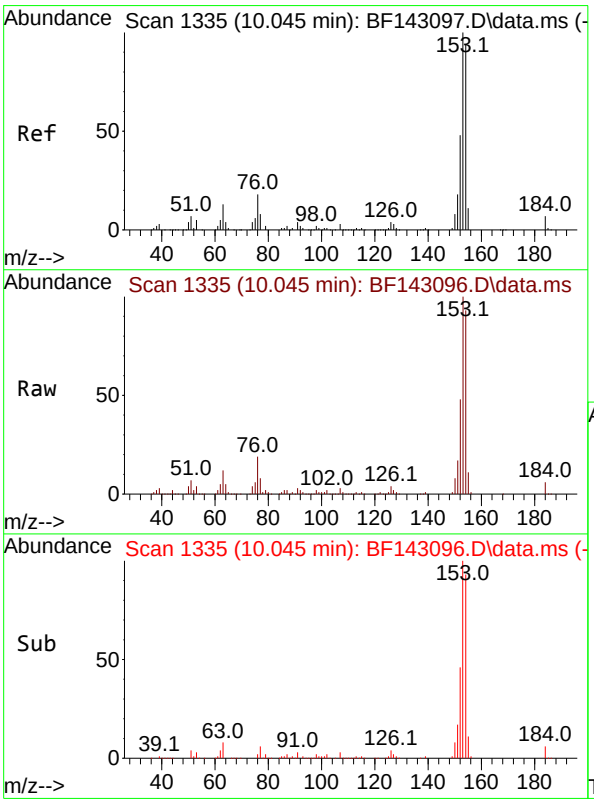
#53
3-Nitroaniline
Concen: 20.797 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 80094

Ion	Ratio	Lower	Upper
138	100		
108	13.1	10.1	15.1
92	120.9	96.4	144.6

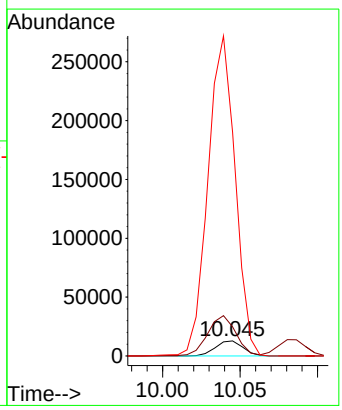


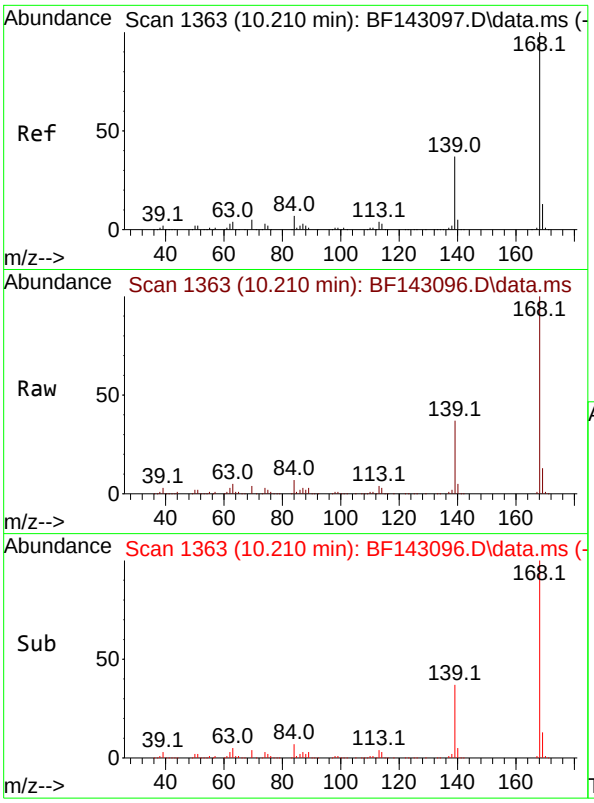


#54
2,4-Dinitrophenol
Concen: 19.749 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:184 Resp: 15826

Ion	Ratio	Lower	Upper
184	100		
63	193.5	149.3	223.9
154	1488.1	1048.0	1572.0



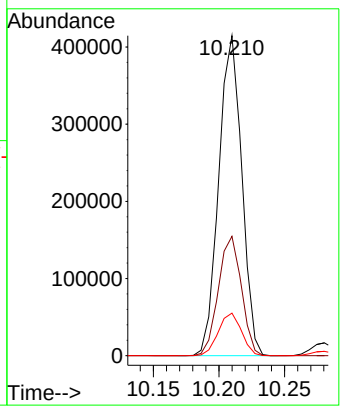


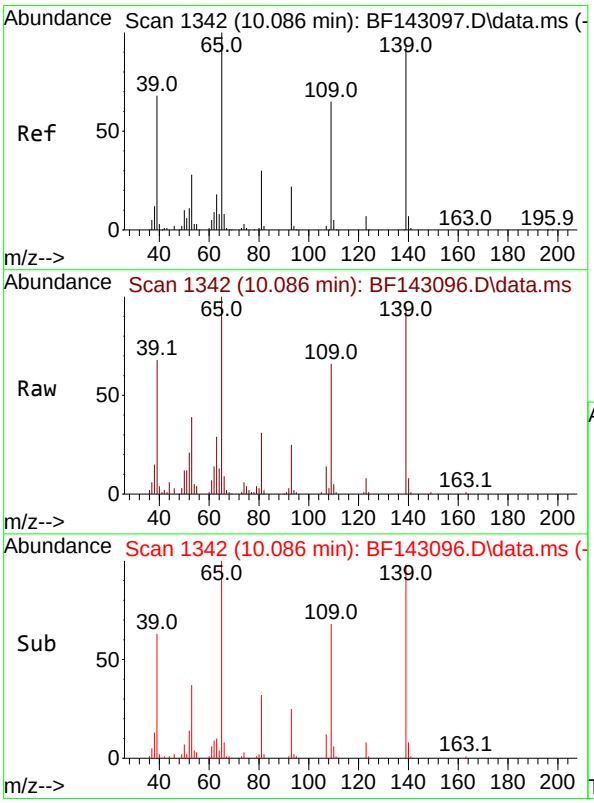
#55
Dibenzofuran
Concen: 20.792 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 505784

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.8	44.6
169	13.3	10.8	16.2

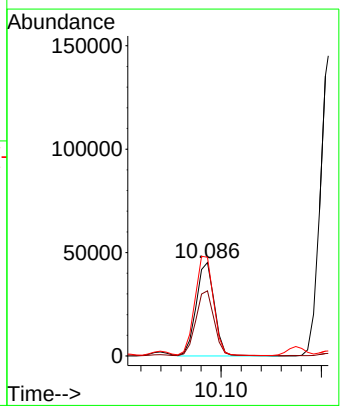


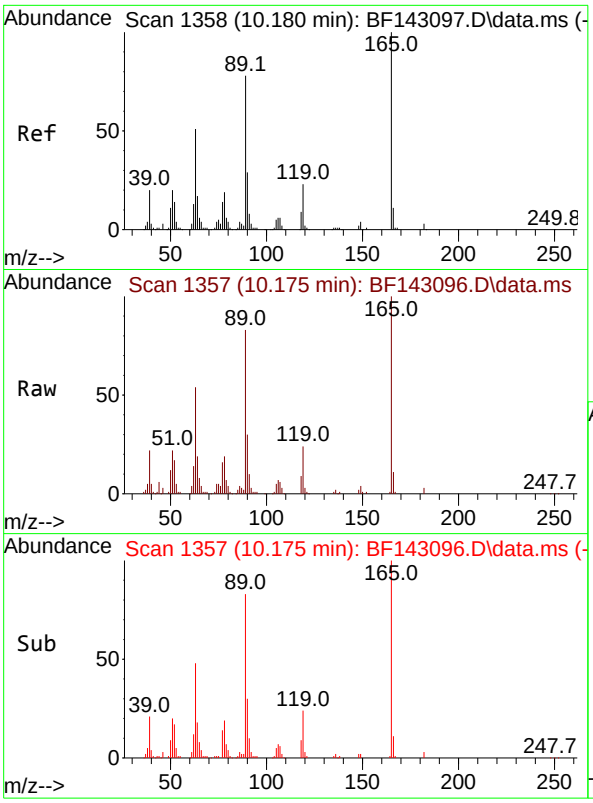


#56
4-Nitrophenol
Concen: 18.647 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:139 Resp: 57072

Ion	Ratio	Lower	Upper
139	100		
109	69.7	49.4	89.4
65	105.6	88.2	128.2



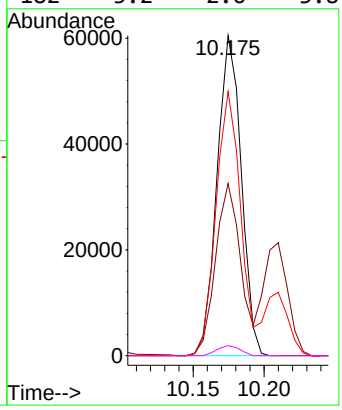


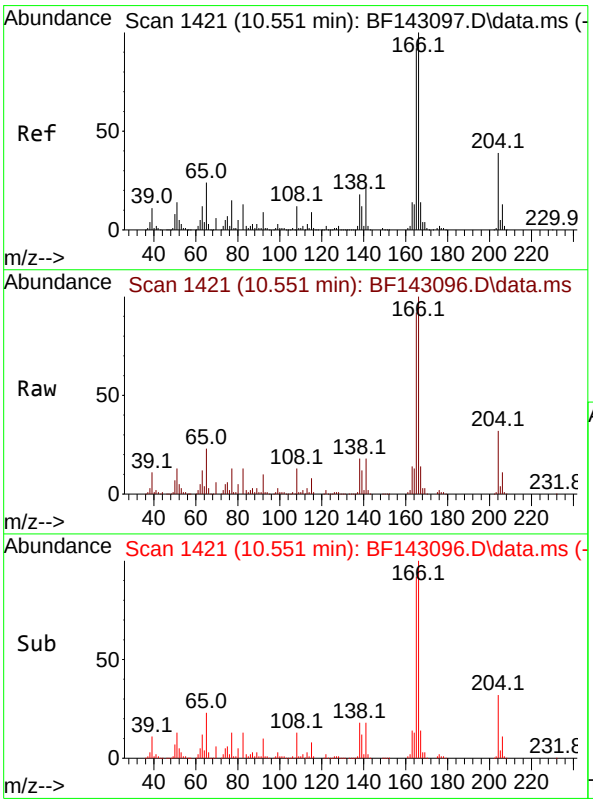
#57
2,4-Dinitrotoluene
Concen: 18.561 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 71762

Ion	Ratio	Lower	Upper
165	100		
63	53.8	40.6	61.0
89	82.6	62.3	93.5
182	3.2	2.6	3.8

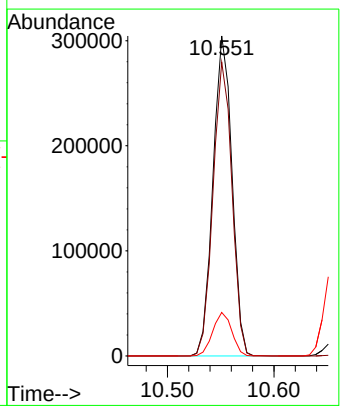


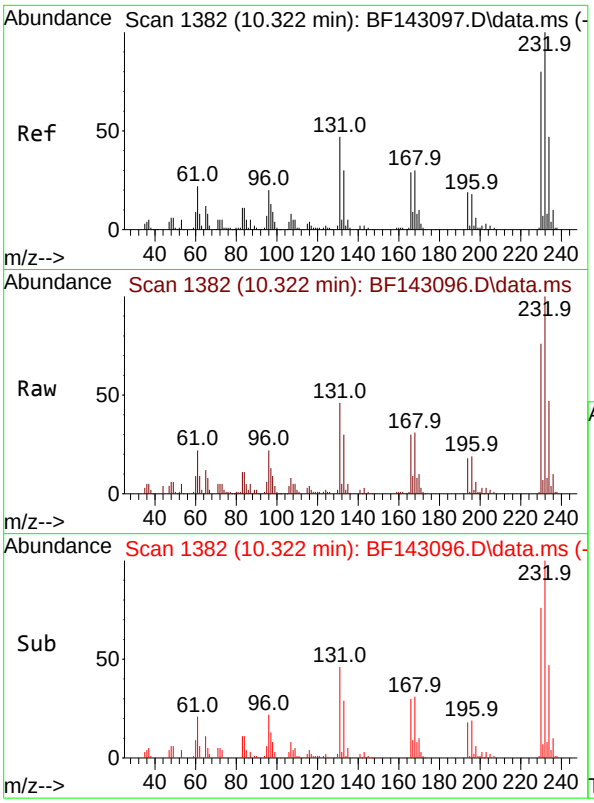


#58
Fluorene
Concen: 20.626 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:166 Resp: 376169

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.6	10.9	16.3



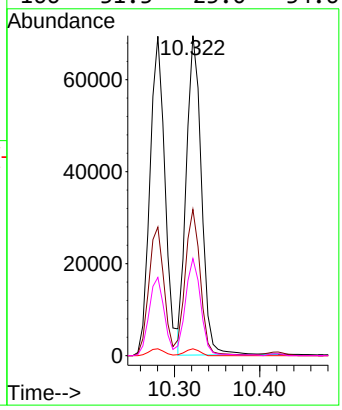


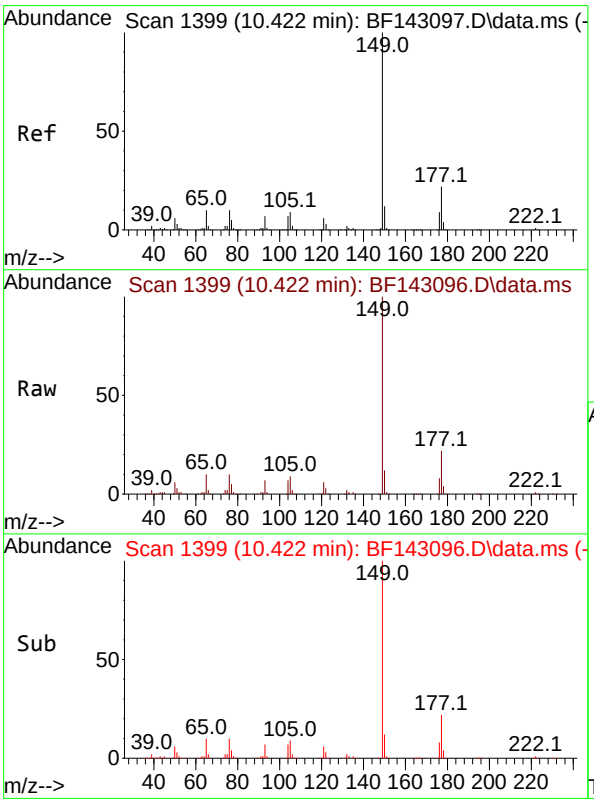
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.030 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 85620

Ion	Ratio	Lower	Upper
232	100		
131	46.3	36.9	55.3
130	2.1	1.8	2.8
166	31.3	23.0	34.6

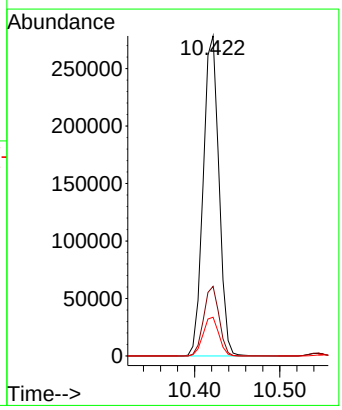


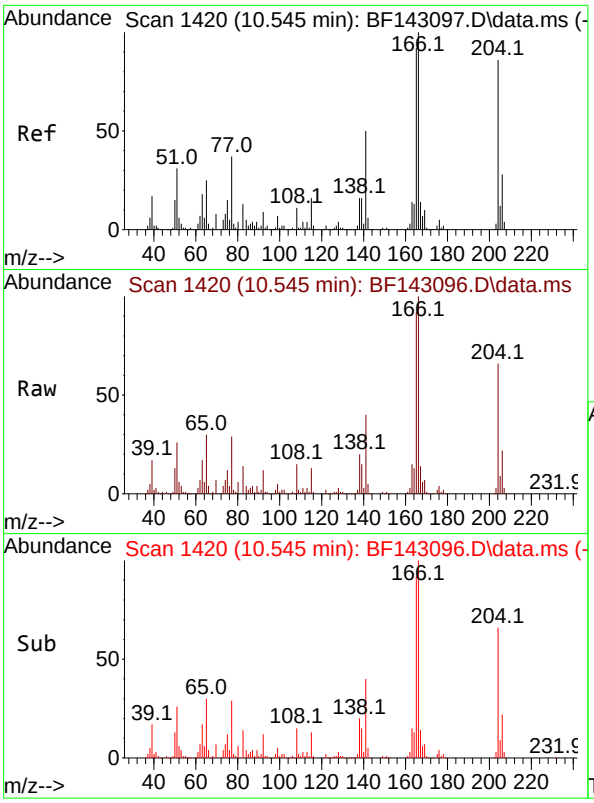


#60
Diethylphthalate
Concen: 20.710 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 356111

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.1	9.9	14.9



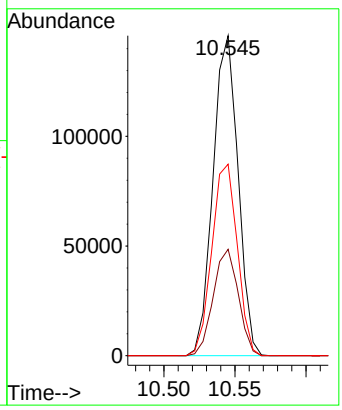


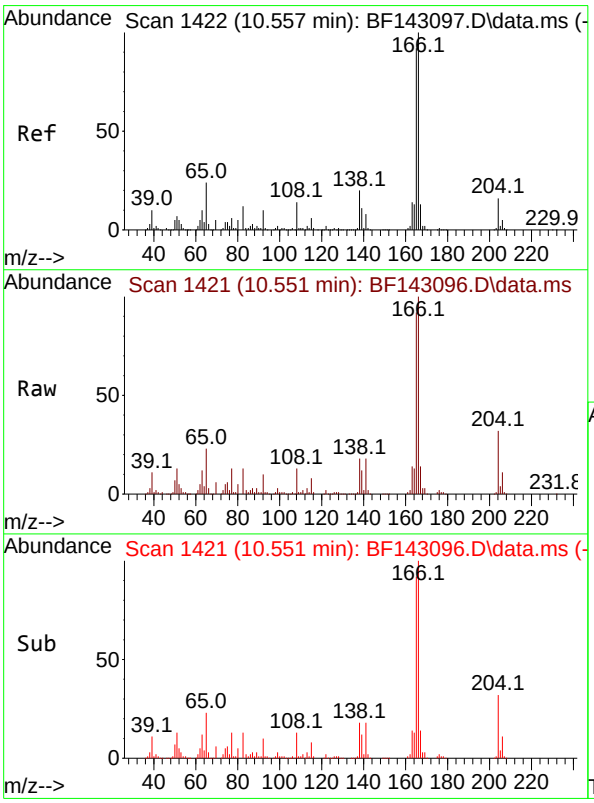
#61
4-Chlorophenyl-phenylether
Concen: 20.436 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 178641

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.6
141	59.8	46.8	70.2

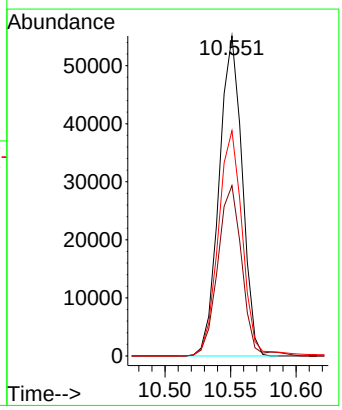


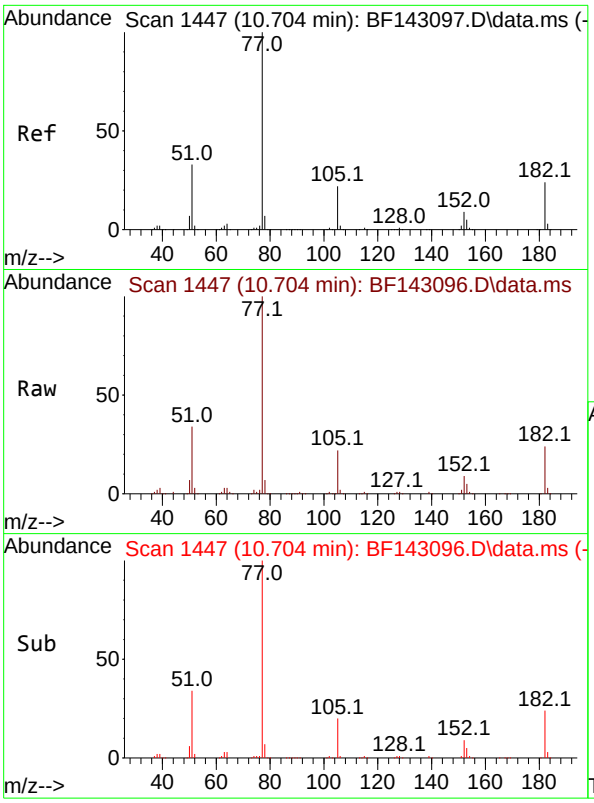


#62
4-Nitroaniline
Concen: 20.084 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:138 Resp: 67264

Ion	Ratio	Lower	Upper
138	100		
92	53.2	30.4	70.4
108	70.4	49.5	89.5



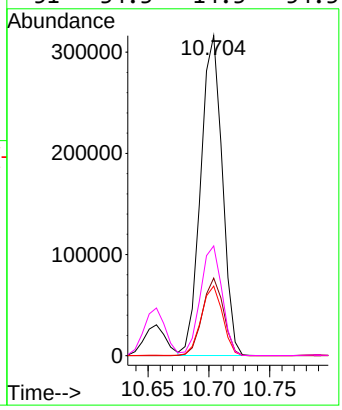


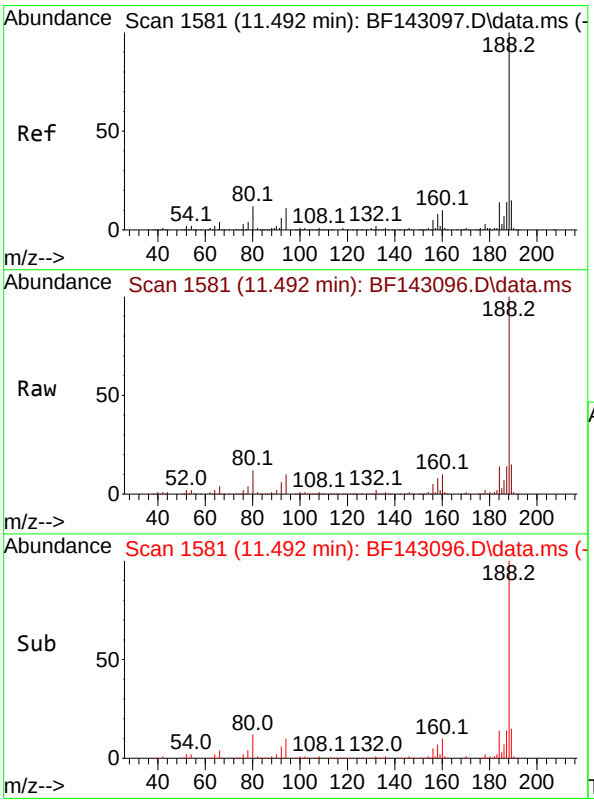
#63
Azobenzene
Concen: 20.478 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 389419

Ion	Ratio	Lower	Upper
77	100		
182	24.3	4.0	44.0
105	21.8	1.4	41.4
51	34.3	14.3	54.3

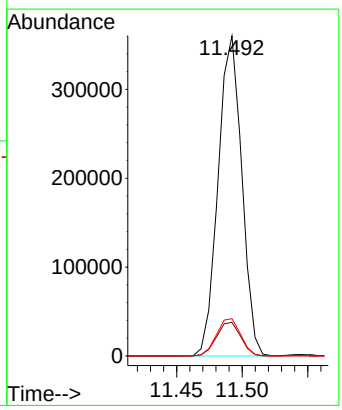


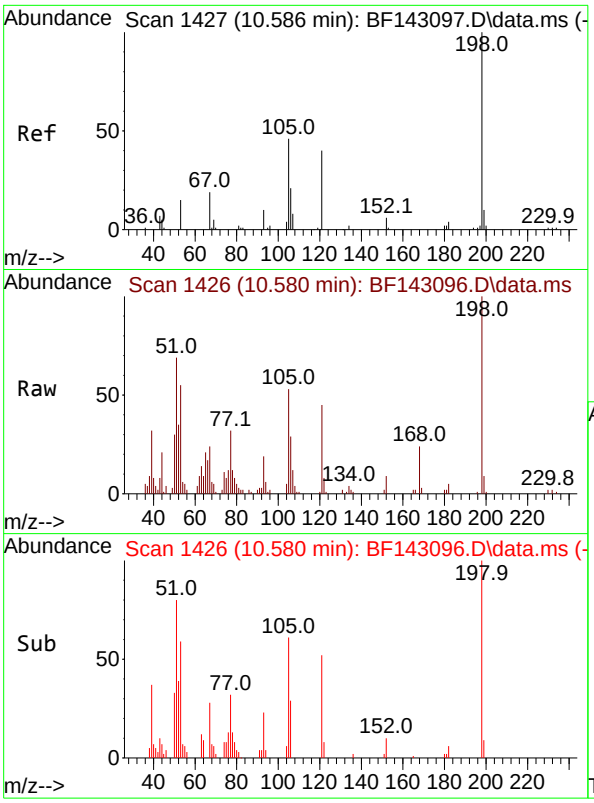


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:188 Resp: 451524

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.6	9.3	13.9



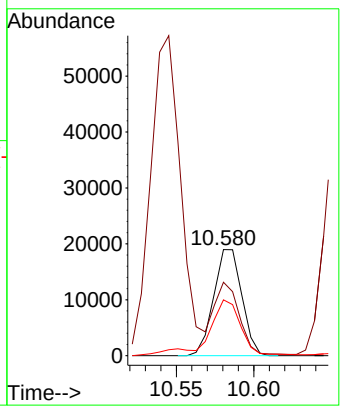


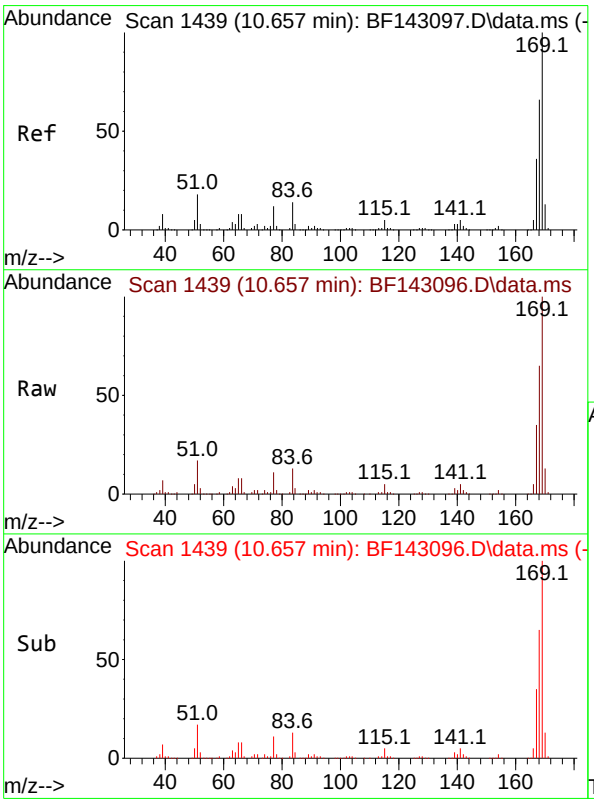
#65
4,6-Dinitro-2-methylphenol
Concen: 19.643 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 23973

Ion	Ratio	Lower	Upper
198	100		
51	69.3	44.6	84.6
105	52.7	29.3	69.3

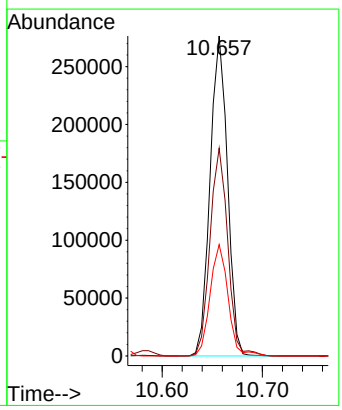


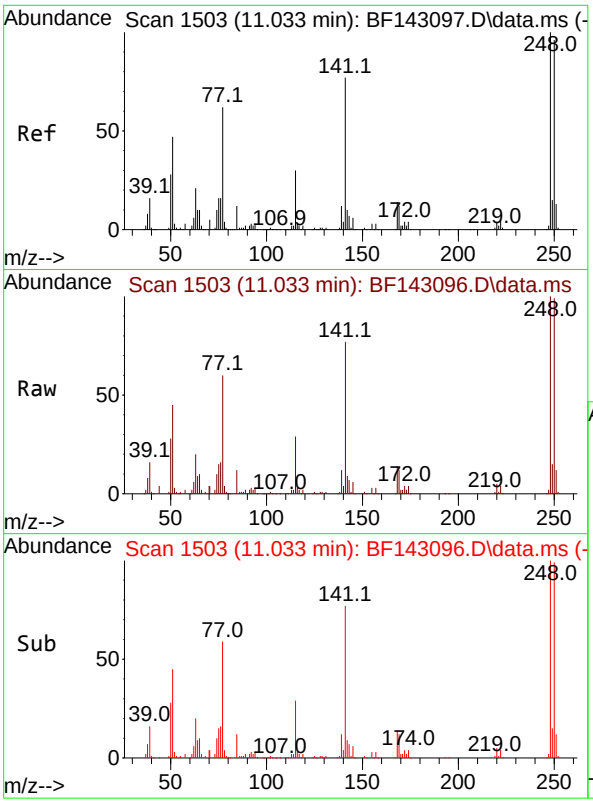


#66
n-Nitrosodiphenylamine
Concen: 20.948 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:169 Resp: 332248

Ion	Ratio	Lower	Upper
169	100		
168	64.9	53.0	79.6
167	34.8	28.4	42.6



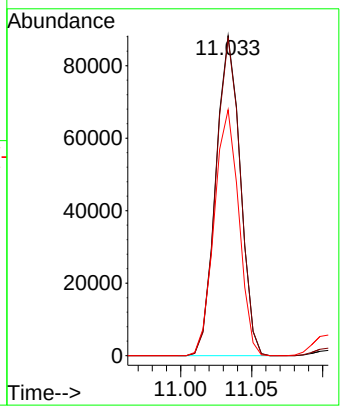


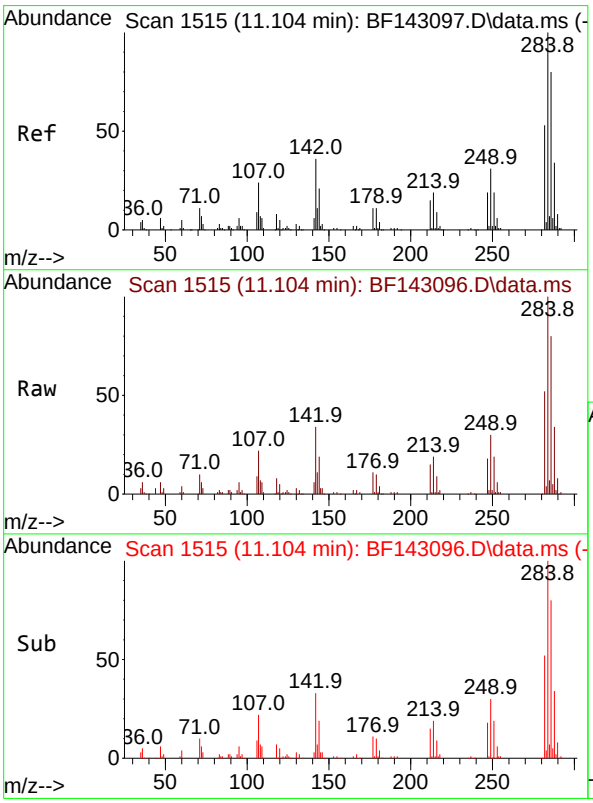
#67
4-Bromophenyl-phenylether
Concen: 20.535 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 105446

Ion	Ratio	Lower	Upper
248	100		
250	99.2	76.7	115.1
141	76.9	61.7	92.5

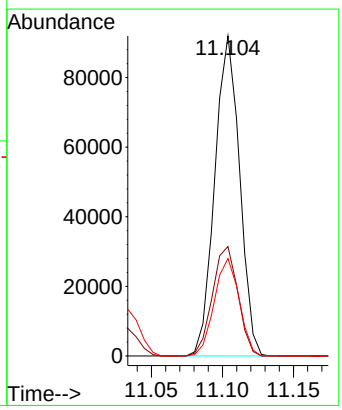


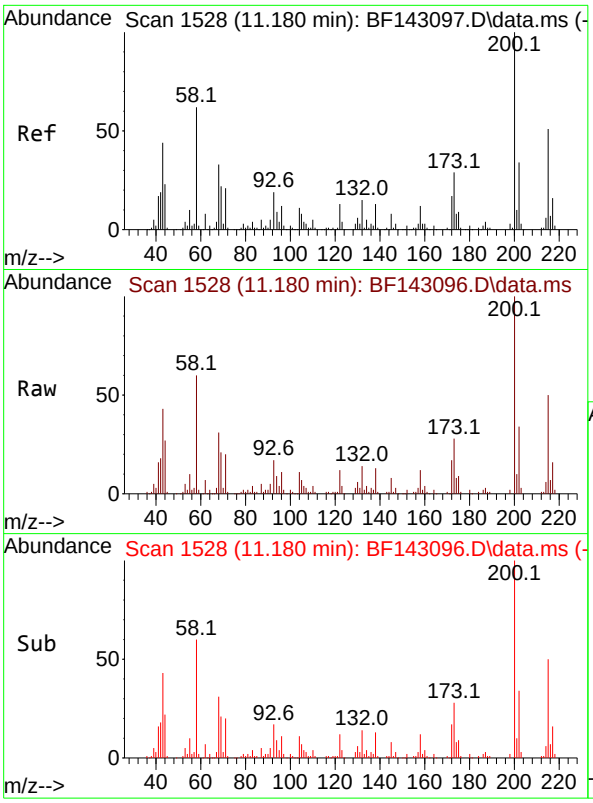


#68
Hexachlorobenzene
Concen: 20.507 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:284 Resp: 111727

Ion	Ratio	Lower	Upper
284	100		
142	34.2	28.9	43.3
249	30.4	24.6	37.0



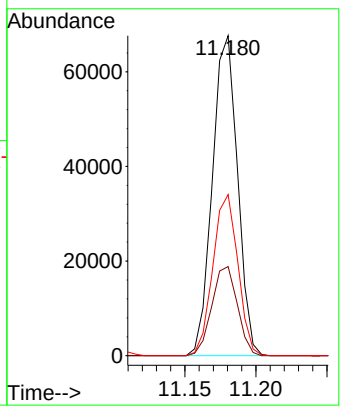


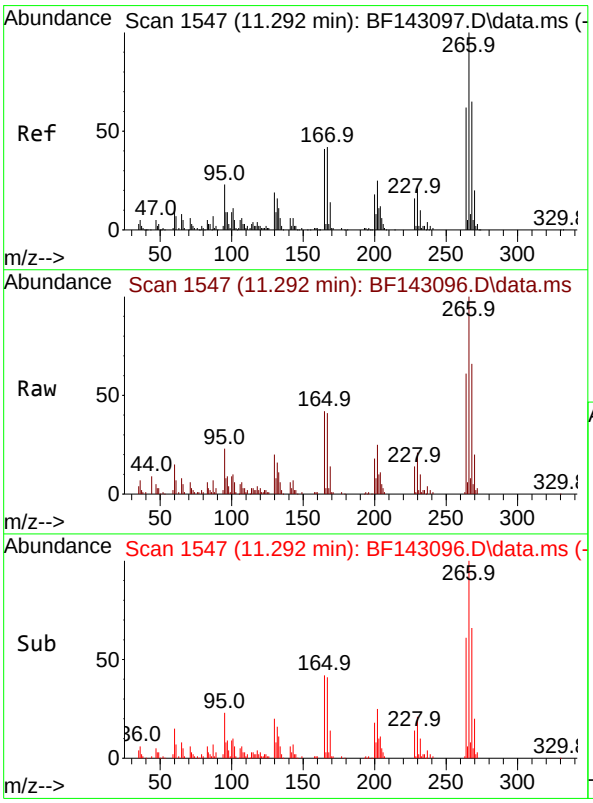
#69
Atrazine
Concen: 20.499 ng
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 83181

Ion	Ratio	Lower	Upper
200	100		
173	27.8	9.1	49.1
215	50.3	31.0	71.0

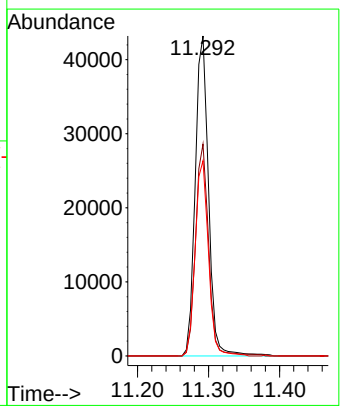


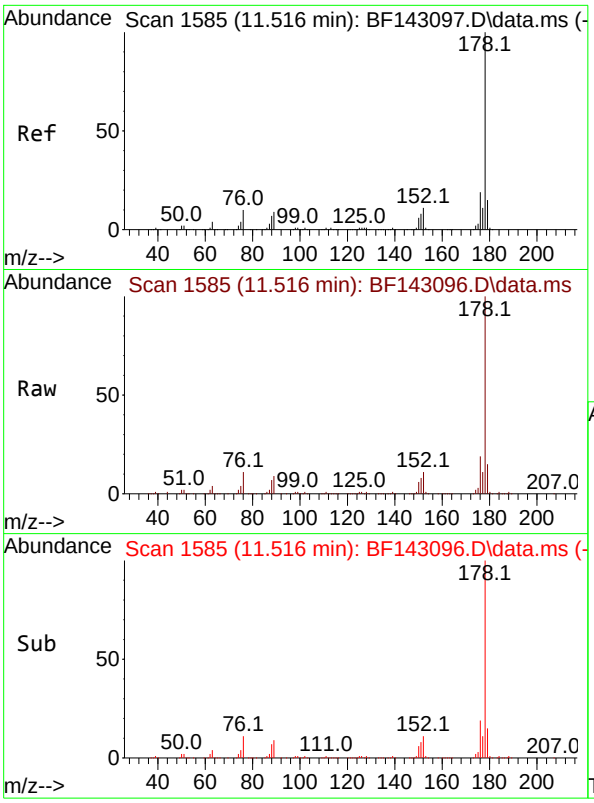


#70
Pentachlorophenol
Concen: 18.862 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:266 Resp: 56380

Ion	Ratio	Lower	Upper
266	100		
268	66.2	51.8	77.6
264	61.0	49.7	74.5



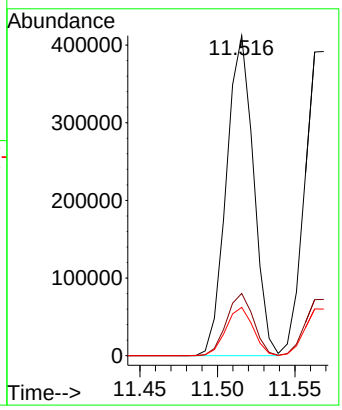


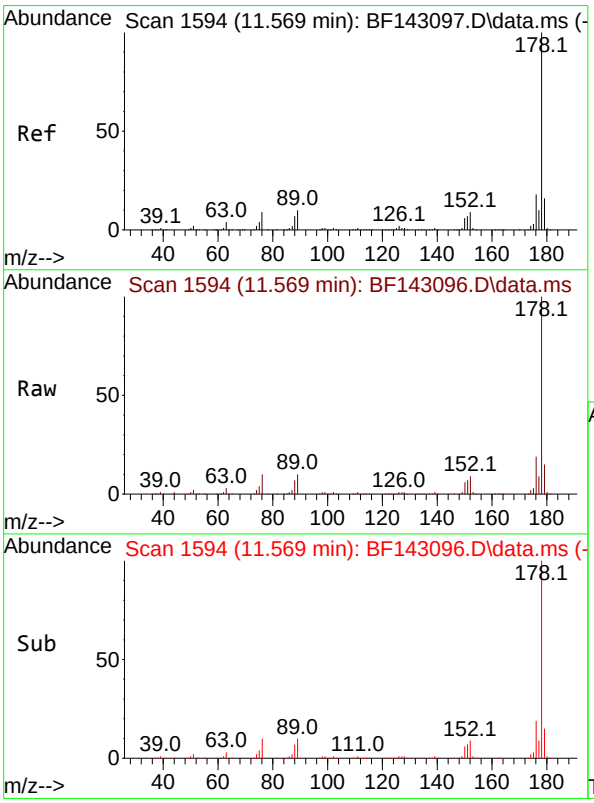
#71
Phenanthrene
Concen: 20.581 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 501521

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.1	12.2	18.4

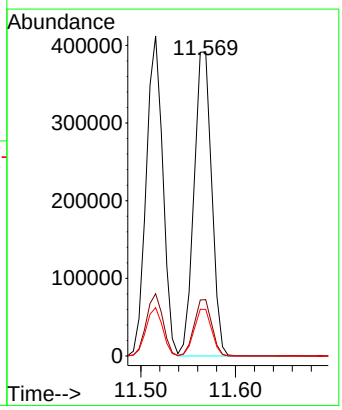


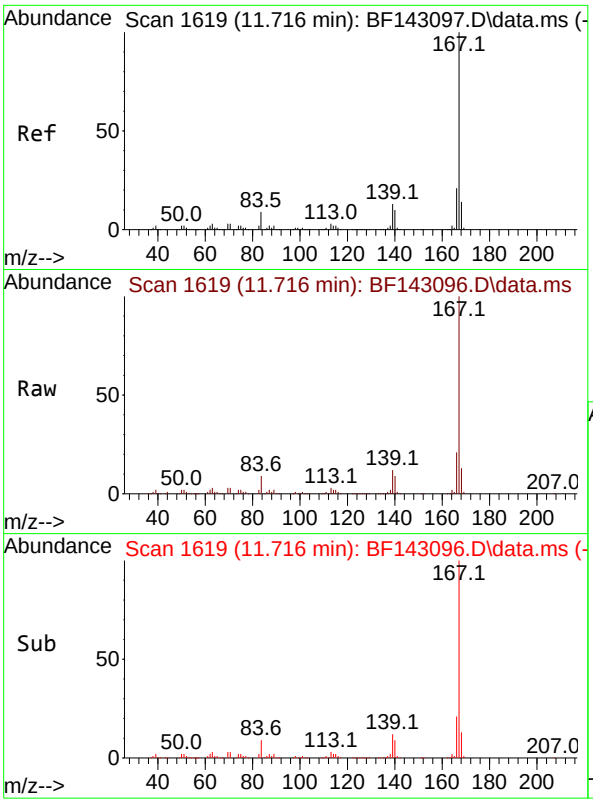


#72
Anthracene
Concen: 20.752 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:178 Resp: 508525

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.3	12.4	18.6



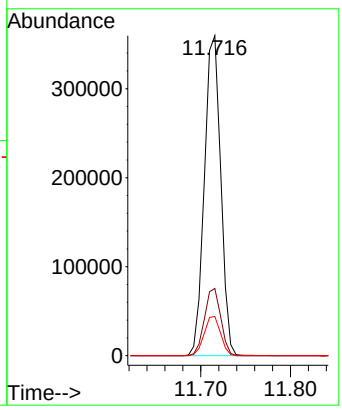


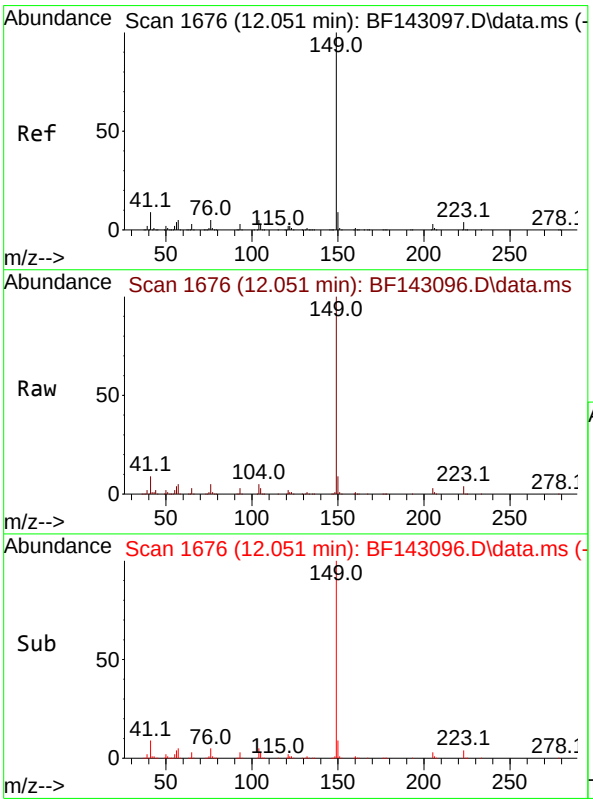
#73
Carbazole
Concen: 20.728 ng
RT: 11.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 455047

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.3	10.2	15.4

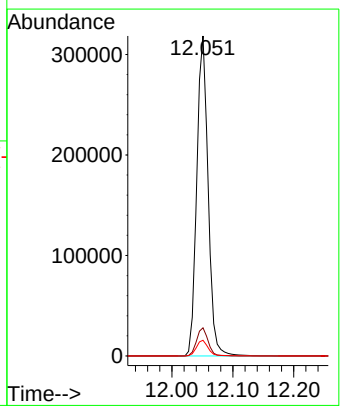


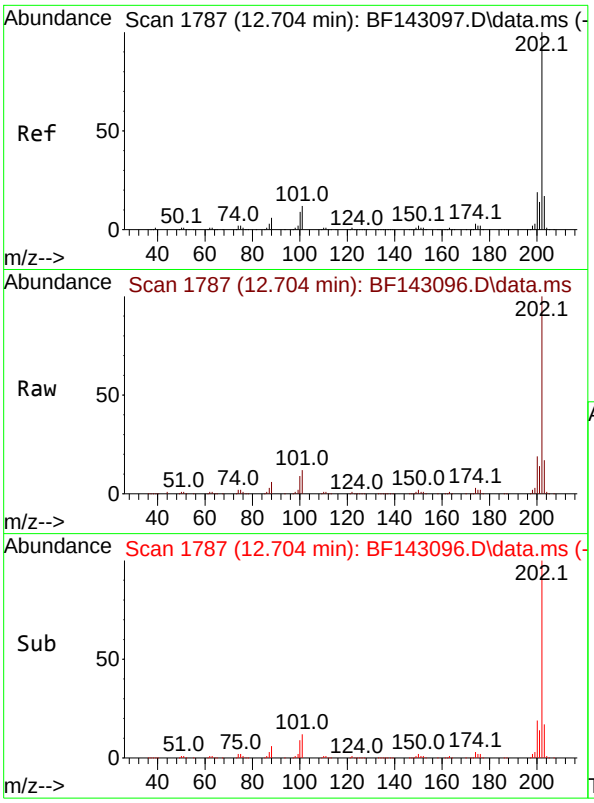


#74
Di-n-butylphthalate
Concen: 20.456 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 412206

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	4.9	3.8	5.8



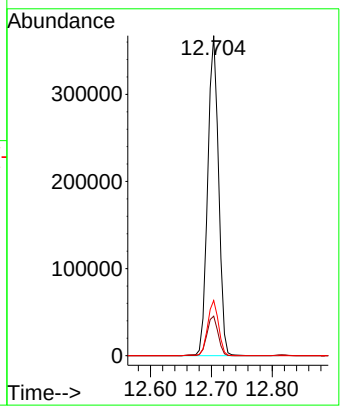


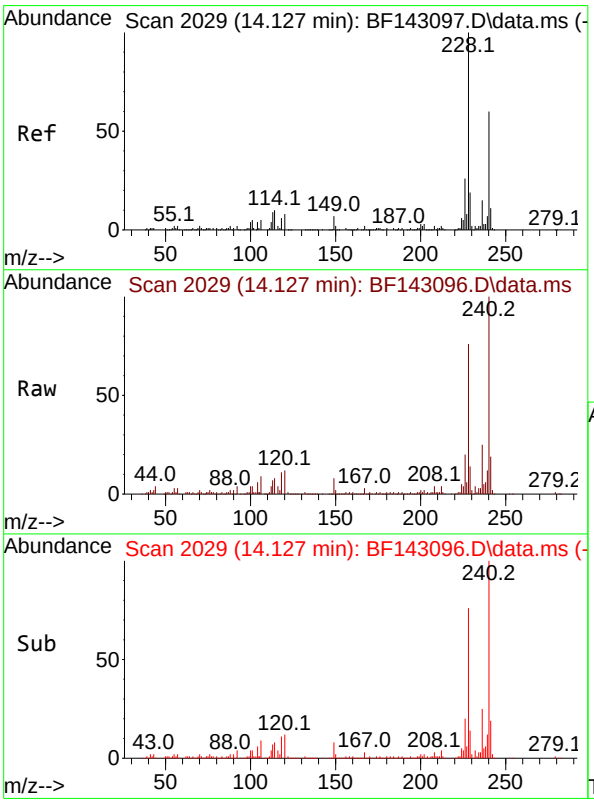
#75
Fluoranthene
Concen: 20.556 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 455455

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.4
203	17.2	0.0	37.4

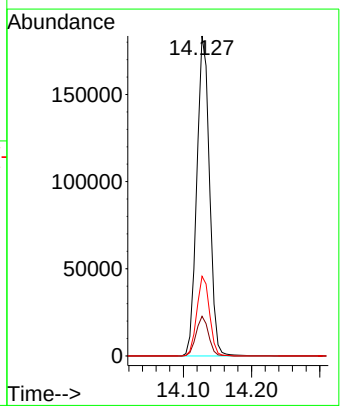


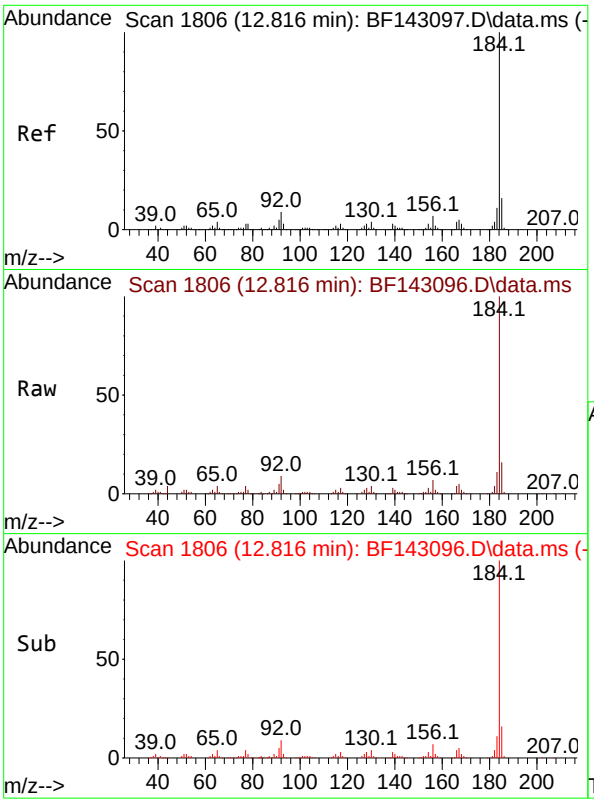


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:240 Resp: 236667

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	24.9	20.0	30.0



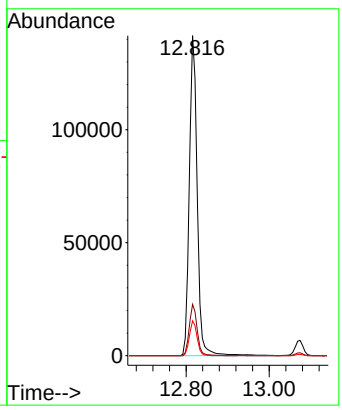


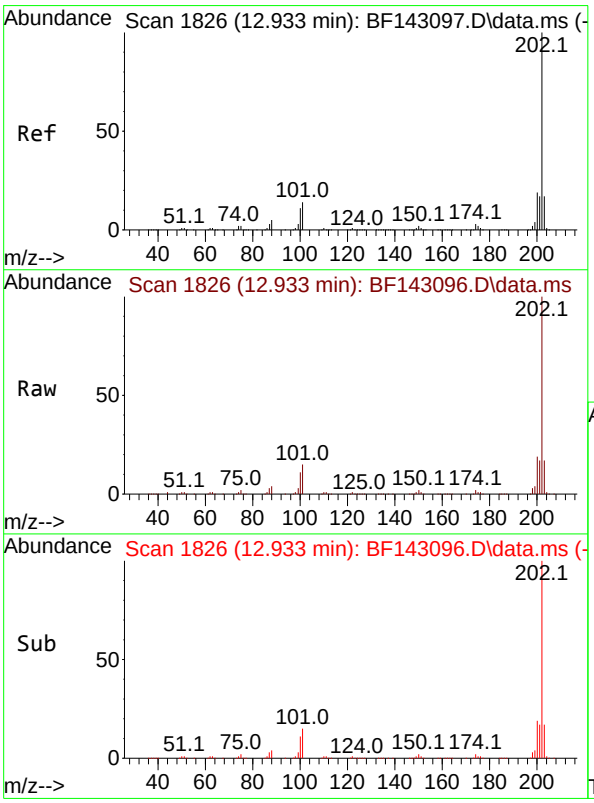
#77
Benzidine
Concen: 23.083 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 186115

Ion	Ratio	Lower	Upper
184	100		
185	16.1	12.4	18.6
183	10.9	8.6	12.8

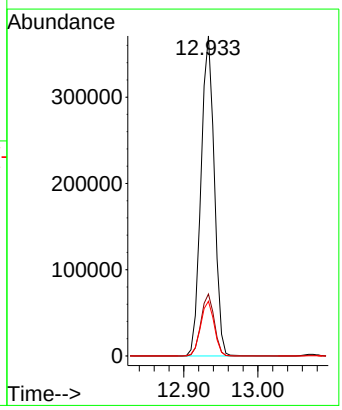


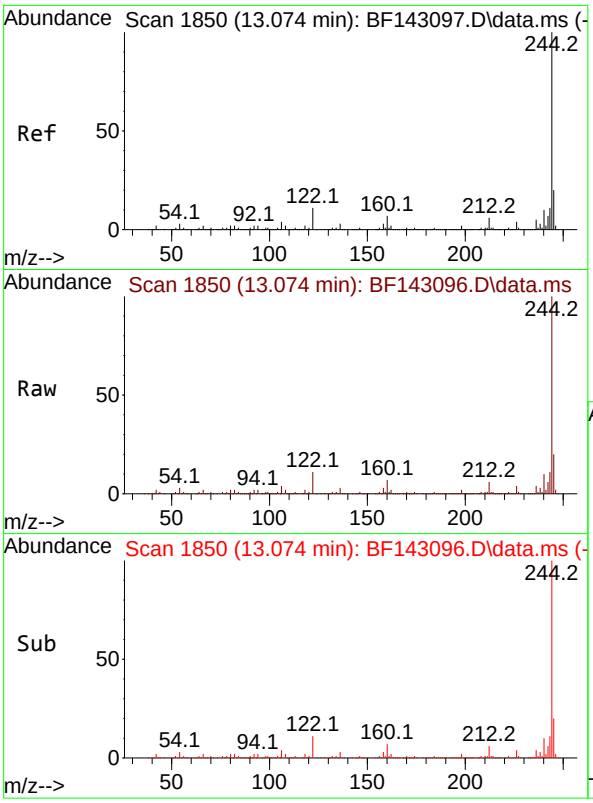


#78
Pyrene
Concen: 21.072 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:202 Resp: 462715

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.5	23.3
203	17.1	14.0	21.0



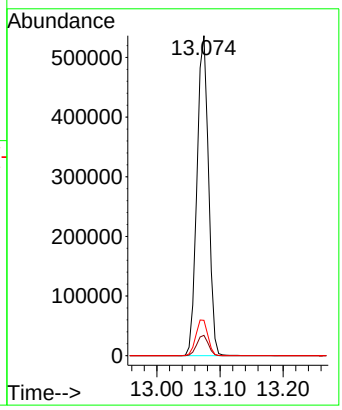


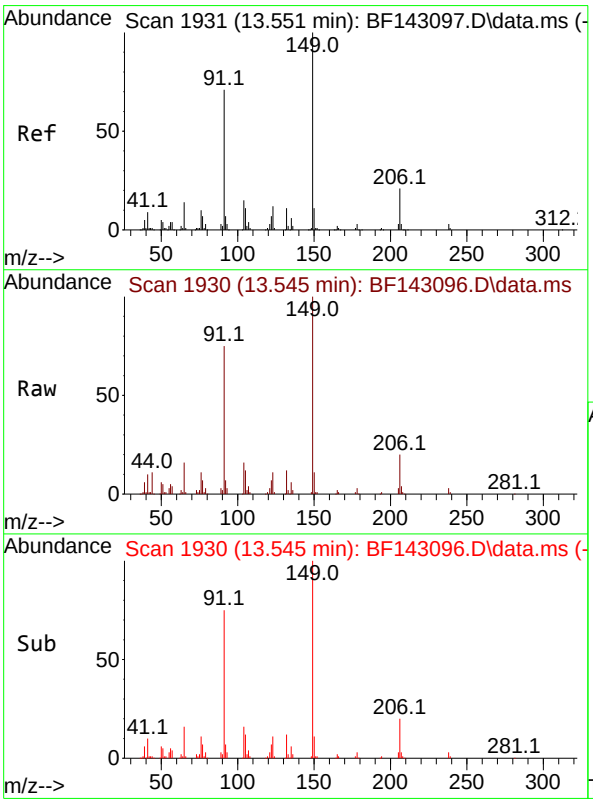
#79
Terphenyl-d14
Concen: 42.012 ng
RT: 13.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 680179

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.0	8.8	13.2

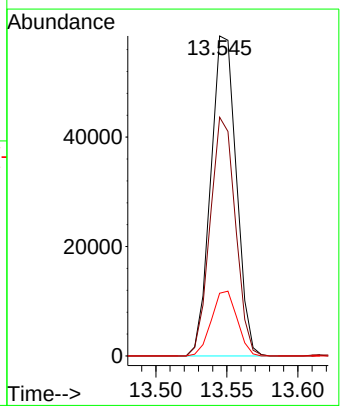


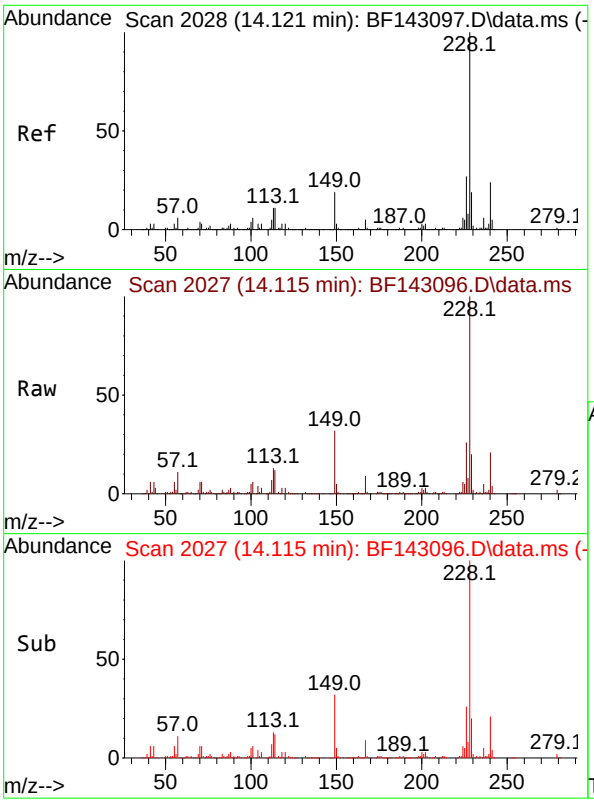


#80
Butylbenzylphthalate
Concen: 18.875 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 73439

Ion	Ratio	Lower	Upper
149	100		
91	74.6	57.0	85.4
206	19.6	17.2	25.8



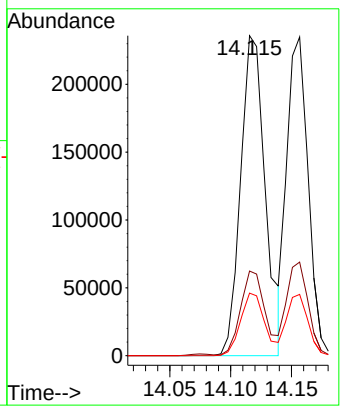


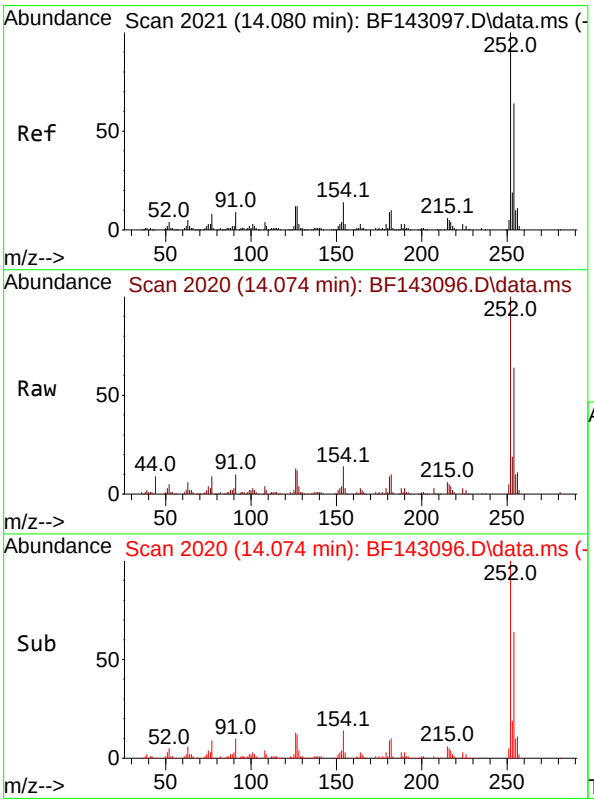
#81
Benzo(a)anthracene
Concen: 21.102 ng
RT: 14.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 332795

Ion	Ratio	Lower	Upper
228	100		
226	26.4	21.3	31.9
229	19.6	15.5	23.3

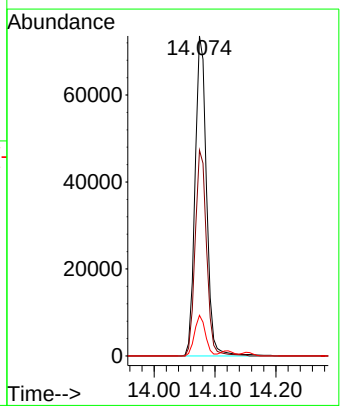


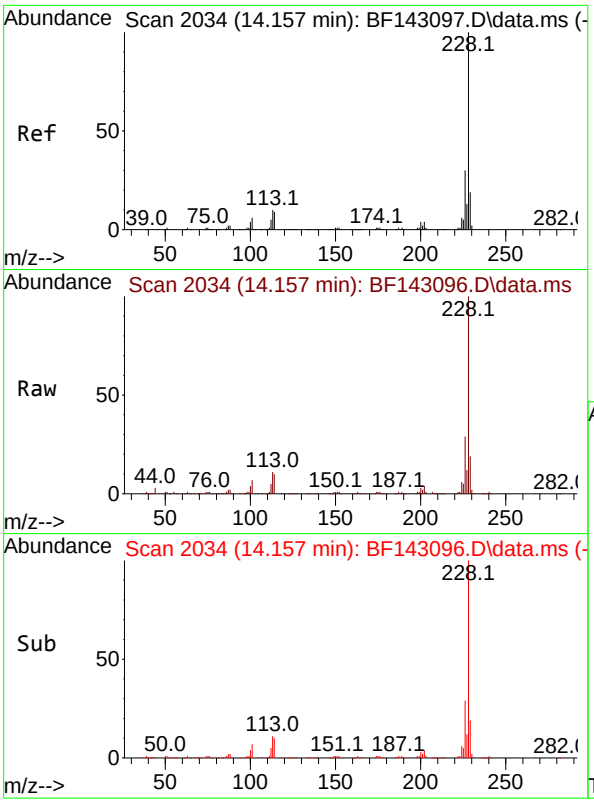


#82
3,3'-Dichlorobenzidine
Concen: 21.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 96174

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.5	77.3
126	12.7	9.4	14.0



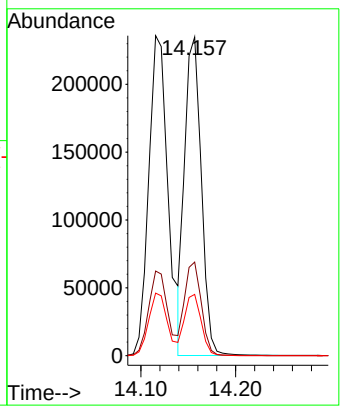


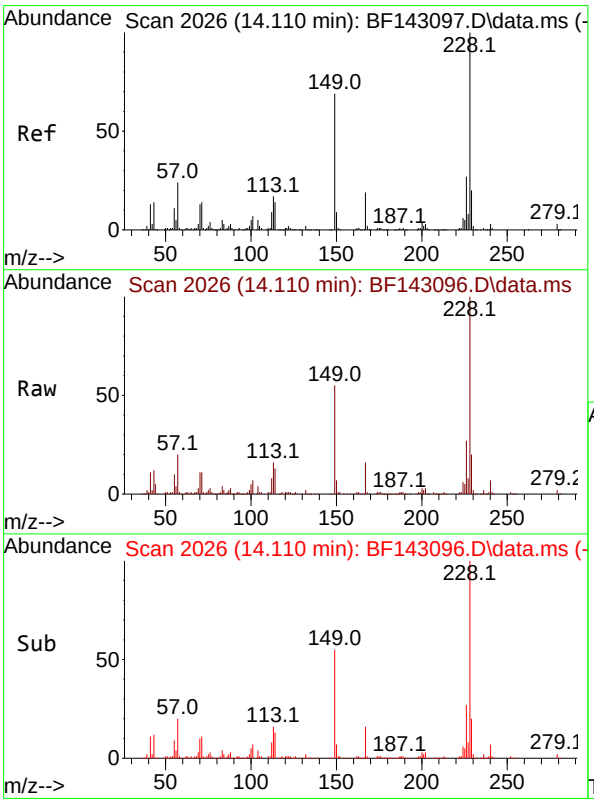
#83
Chrysene
Concen: 19.732 ng
RT: 14.157 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 286610

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	19.2	15.3	22.9

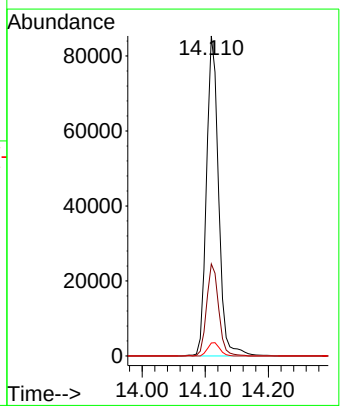


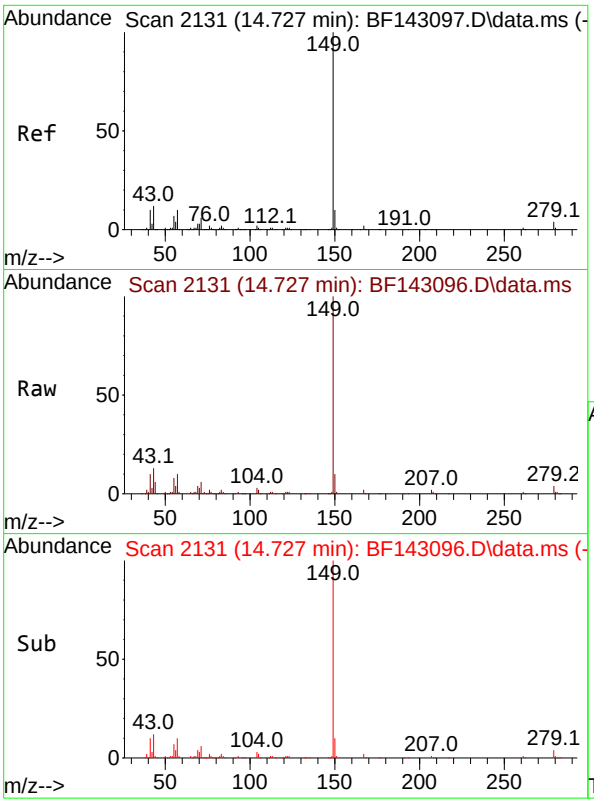


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.236 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:149 Resp: 113349

Ion	Ratio	Lower	Upper
149	100		
167	28.8	21.9	32.9
279	4.0	3.4	5.0



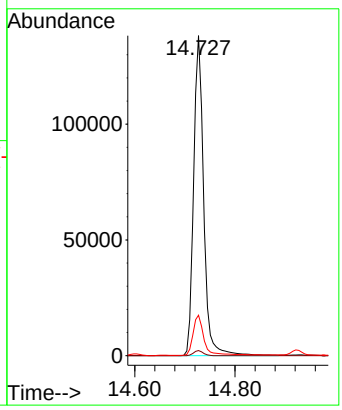


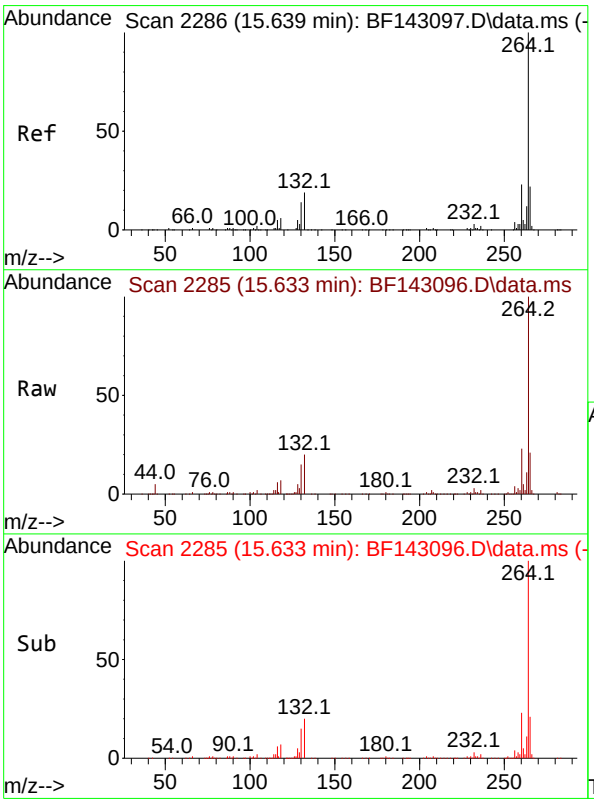
#85
Di-n-octyl phthalate
Concen: 19.817 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 192002

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	13.7	10.6	16.0

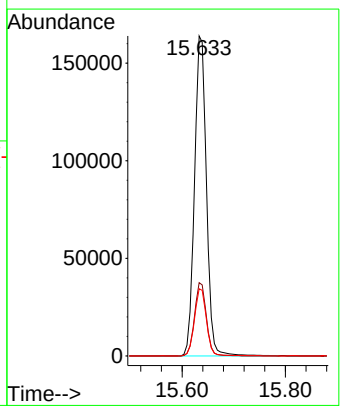


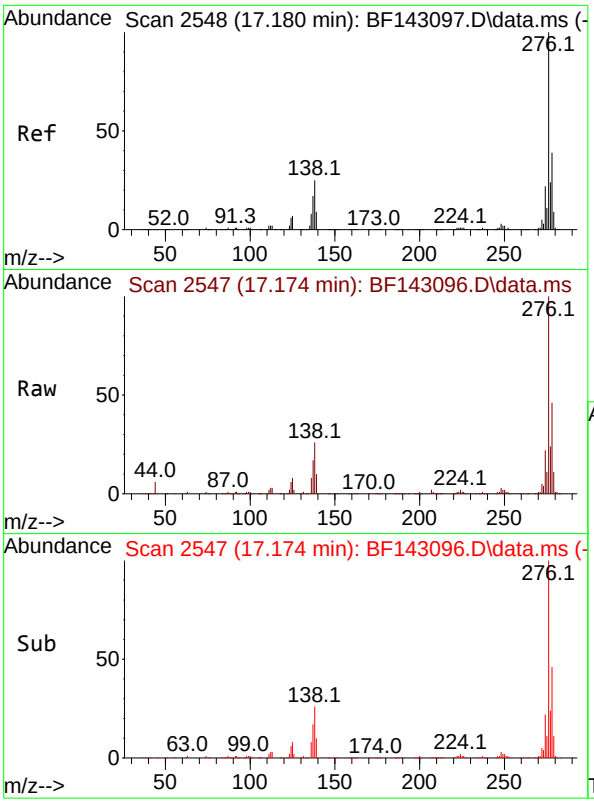


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:264 Resp: 262419

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.0	17.5	26.3



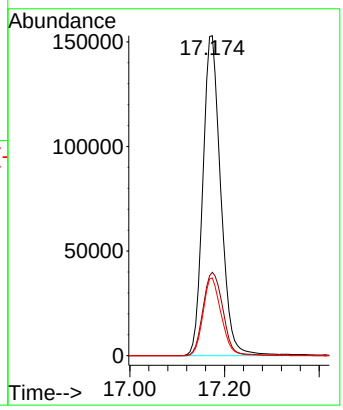


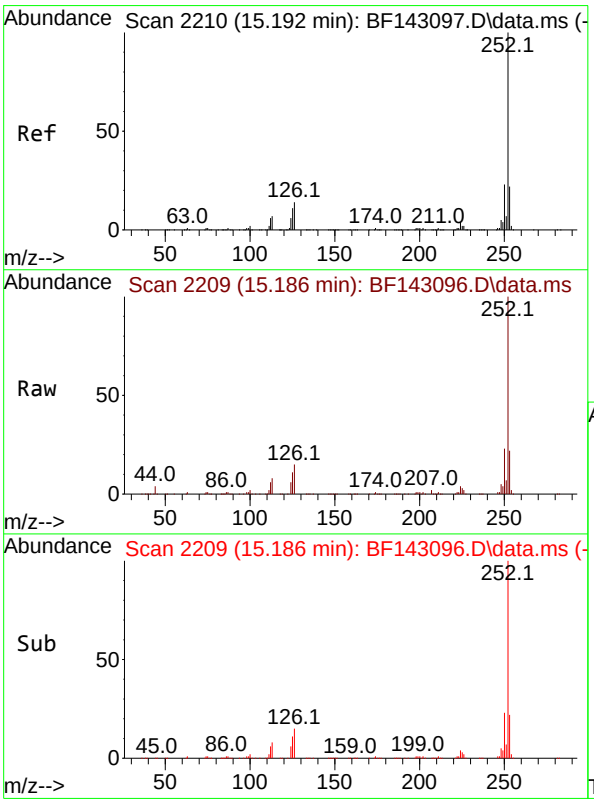
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.516 ng
RT: 17.174 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 400422

Ion	Ratio	Lower	Upper
276	100		
138	29.1	22.6	34.0
277	24.8	20.2	30.2

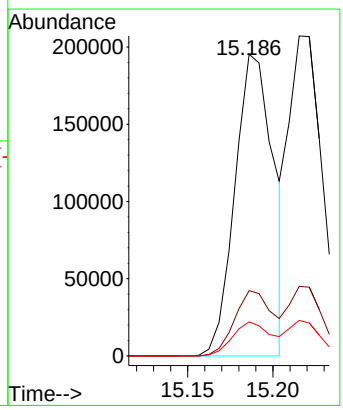


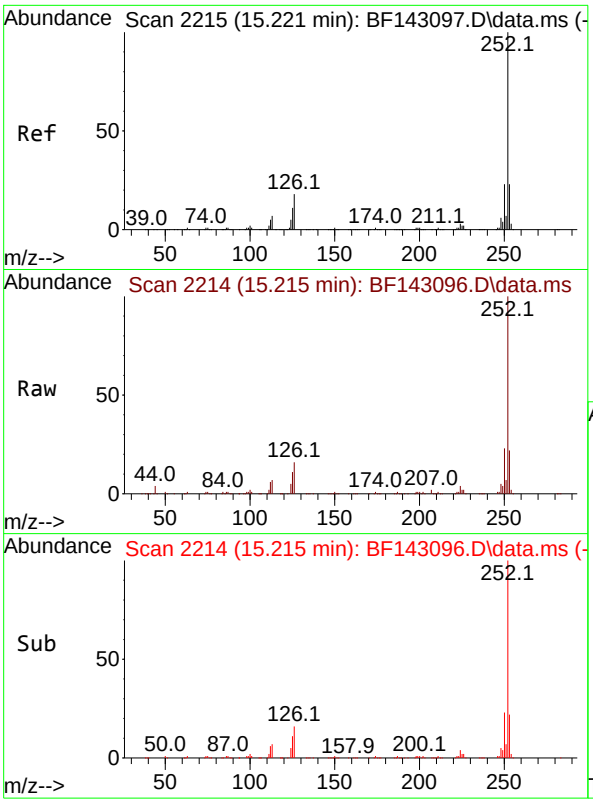


#88
Benzo(b)fluoranthene
Concen: 20.302 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 307312

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.3	8.6	13.0



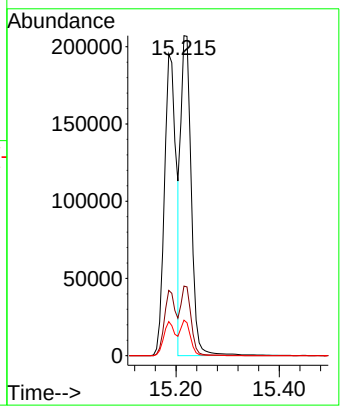


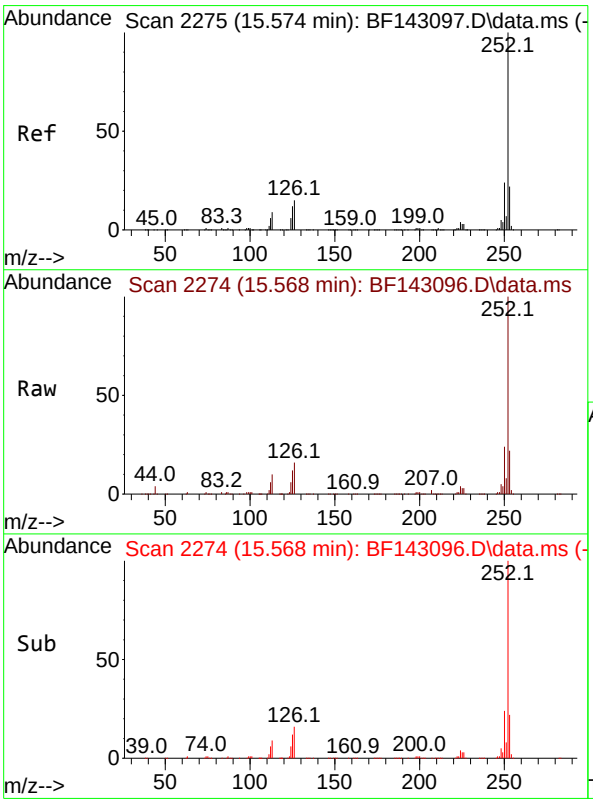
#89
Benzo(k)fluoranthene
Concen: 20.194 ng
RT: 15.215 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 291618

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	11.1	8.5	12.7

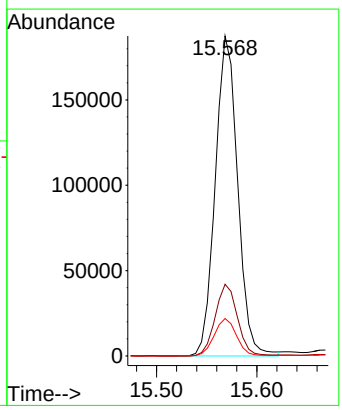


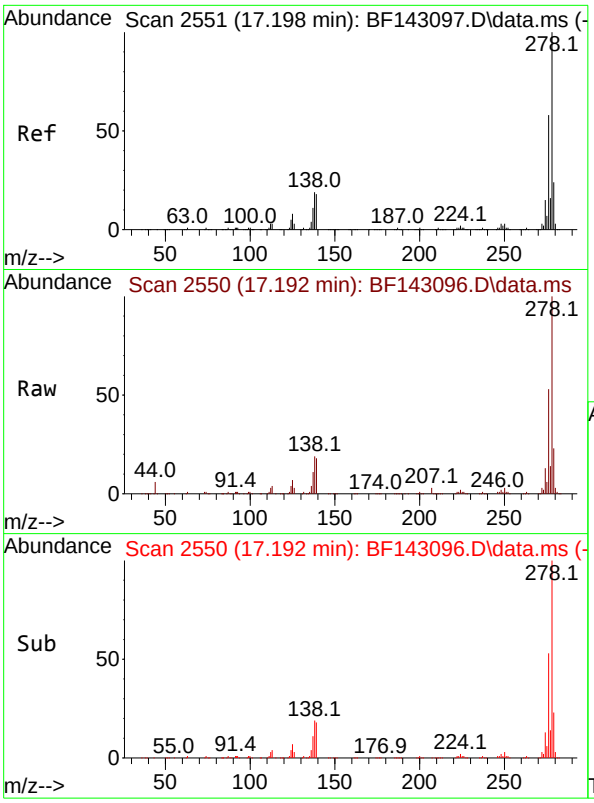


#90
Benzo(a)pyrene
Concen: 20.313 ng
RT: 15.568 min Scan# 2274
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:252 Resp: 290809

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	11.7	9.4	14.0



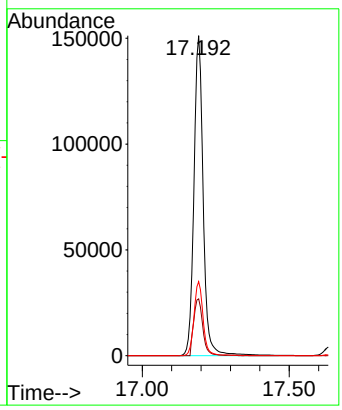


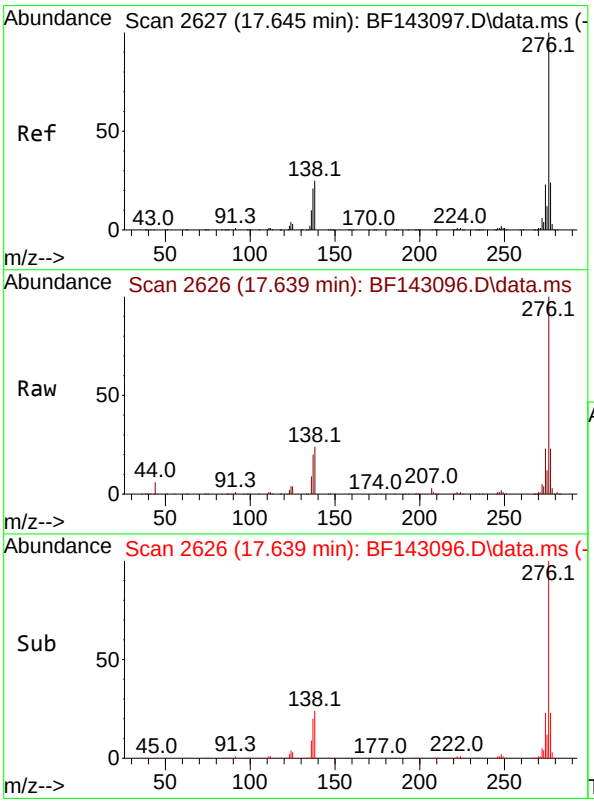
#91
Dibenzo(a,h)anthracene
Concen: 20.818 ng
RT: 17.192 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 332152

Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.6	22.0
279	23.1	18.8	28.2

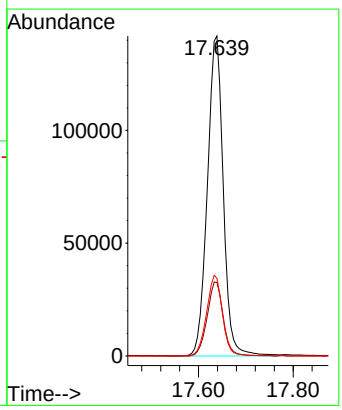




#92
Benzo(g,h,i)perylene
Concen: 20.376 ng
RT: 17.639 min Scan# 2626
Delta R.T. -0.006 min
Lab File: BF143096.D
Acq: 15 Jul 2025 14:36

Tgt Ion:276 Resp: 331447

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.2	28.8
138	24.3	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	123440	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	466428	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	227730	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	369241	20.000	ng	0.00
76) Chrysene-d12	14.127	240	192349	20.000	ng	0.00
86) Perylene-d12	15.639	264	226517	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	619840	79.335	ng	0.00
7) Phenol-d6	6.587	99	772641	78.673	ng	0.00
23) Nitrobenzene-d5	7.528	82	725222	87.221	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	170969	84.198	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1326482	77.428	ng	0.00
79) Terphenyl-d14	13.074	244	1033540	78.547	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	154739	39.787	ng	100
3) Pyridine	3.581	79	393514	39.957	ng	100
4) n-Nitrosodimethylamine	3.522	42	201552	39.500	ng	100
6) Aniline	6.628	93	544405	39.365	ng	100
8) 2-Chlorophenol	6.751	128	314192	40.025	ng	100
9) Benzaldehyde	6.516	77	358216	47.869	ng	100
10) Phenol	6.598	94	447943	42.133	ng	100
11) bis(2-Chloroethyl)ether	6.698	93	323129	39.260	ng	100
12) 1,3-Dichlorobenzene	6.910	146	349154	39.371	ng	100
13) 1,4-Dichlorobenzene	6.987	146	348706	39.084	ng	100
14) 1,2-Dichlorobenzene	7.140	146	336818	39.587	ng	100
15) Benzyl Alcohol	7.098	79	288056	39.585	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.239	45	593735	39.134	ng	100
17) 2-Methylphenol	7.204	107	267472	39.484	ng	100
18) Hexachloroethane	7.487	117	116640	40.159	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	237958	39.549	ng	100
20) 3+4-Methylphenols	7.363	107	334719	40.291	ng	100
22) Acetophenone	7.375	105	437447	38.906	ng	100
24) Nitrobenzene	7.545	77	332013	41.364	ng	100
25) Isophorone	7.787	82	632327	39.346	ng	100
26) 2-Nitrophenol	7.863	139	112314	36.079	ng	100
27) 2,4-Dimethylphenol	7.892	122	298241	39.984	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	381576	39.155	ng	100
29) 2,4-Dichlorophenol	8.098	162	248676	40.752	ng	100
30) 1,2,4-Trichlorobenzene	8.192	180	274944	39.701	ng	100
31) Naphthalene	8.275	128	900967	38.898	ng	100
32) Benzoic acid	7.987	122	120551	34.562	ng	100
33) 4-Chloroaniline	8.310	127	371249	39.858	ng	100
34) Hexachlorobutadiene	8.392	225	165576	39.978	ng	100
35) Caprolactam	8.669	113	77472	40.657	ng	100
36) 4-Chloro-3-methylphenol	8.786	107	272885	40.145	ng	100
37) 2-Methylnaphthalene	8.963	142	540844	39.141	ng	100
38) 1-Methylnaphthalene	9.063	142	562696	39.263	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	263160	39.653	ng	100
41) Hexachlorocyclopentadiene	9.122	237	147221	40.011	ng	100
43) 2,4,6-Trichlorophenol	9.233	196	171419	41.569	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

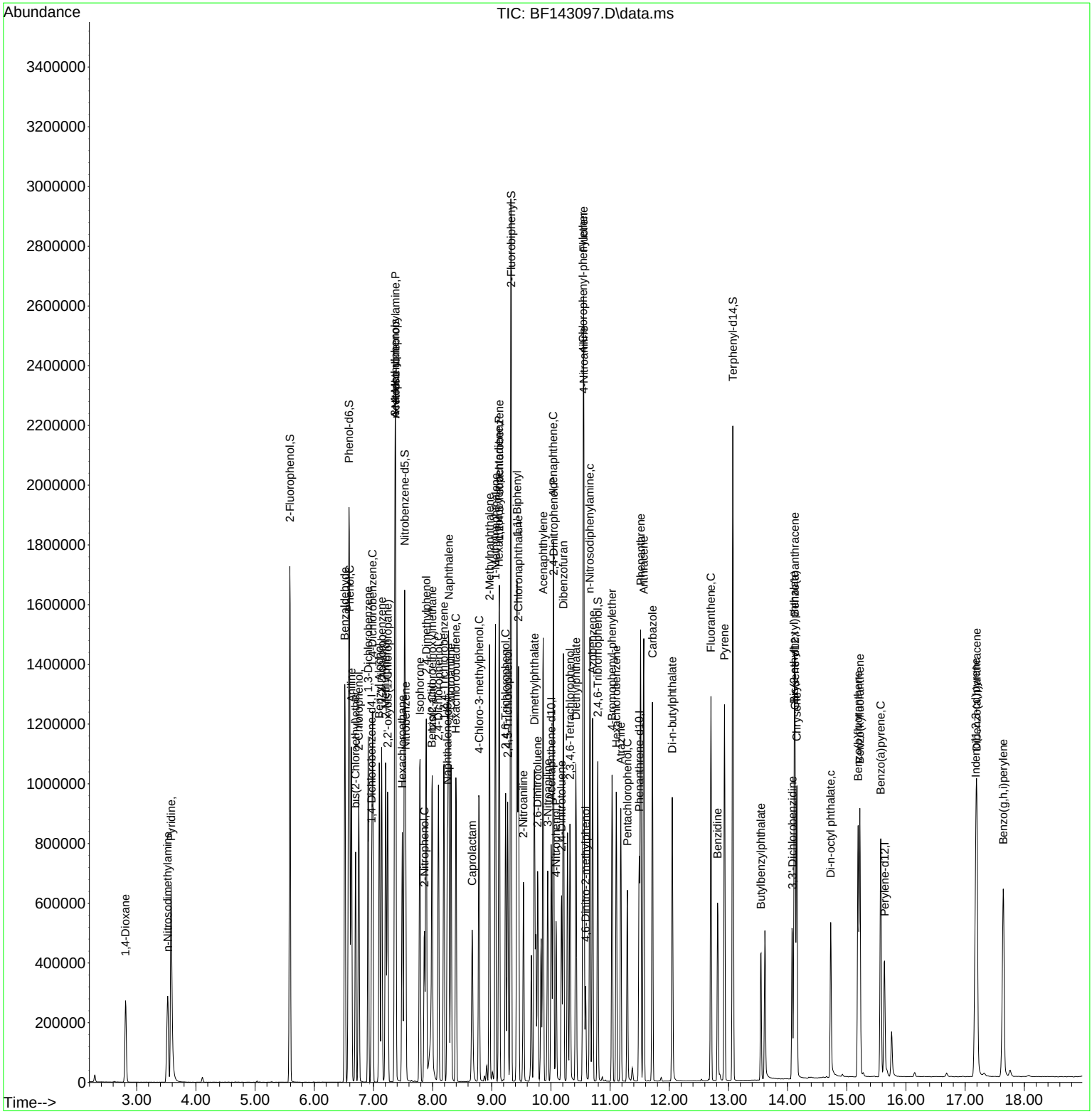
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	179101	41.422	ng	100
46) 1,1'-Biphenyl	9.428	154	713513	39.288	ng	100
47) 2-Chloronaphthalene	9.451	162	527800	39.561	ng	100
48) 2-Nitroaniline	9.533	65	149322	38.182	ng	100
49) Acenaphthylene	9.869	152	892054	40.126	ng	100
50) Dimethylphthalate	9.722	163	572658	39.971	ng	100
51) 2,6-Dinitrotoluene	9.775	165	106468	38.213	ng	100
52) Acenaphthene	10.039	154	513370	39.131	ng	100
53) 3-Nitroaniline	9.945	138	130953	42.301	ng	100
54) 2,4-Dinitrophenol	10.045	184	31236	37.582	ng	100
55) Dibenzofuran	10.210	168	772862	39.524	ng	100
56) 4-Nitrophenol	10.086	139	101948	41.436	ng	100
57) 2,4-Dinitrotoluene	10.180	165	134243	38.682	ng	100
58) Fluorene	10.551	166	567511	38.710	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	142027	41.334	ng	100
60) Diethylphthalate	10.422	149	557712	40.349	ng	100
61) 4-Chlorophenyl-phenyle...	10.545	204	279817	39.822	ng	100
62) 4-Nitroaniline	10.557	138	113355	42.106	ng	100
63) Azobenzene	10.704	77	604710	39.558	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	47349	37.223	ng	100
66) n-Nitrosodiphenylamine	10.657	169	503590	38.827	ng	100
67) 4-Bromophenyl-phenylether	11.033	248	164133	39.088	ng	100
68) Hexachlorobenzene	11.104	284	173911	39.034	ng	100
69) Atrazine	11.180	200	133416	40.206	ng	100
70) Pentachlorophenol	11.292	266	97625	39.938	ng	100
71) Phenanthrene	11.516	178	769372	38.609	ng	100
72) Anthracene	11.569	178	780754	38.961	ng	100
73) Carbazole	11.716	167	692468	38.572	ng	100
74) Di-n-butylphthalate	12.051	149	680394	41.288	ng	100
75) Fluoranthene	12.704	202	708736	39.115	ng	100
77) Benzidine	12.816	184	321029	48.989	ng	100
78) Pyrene	12.933	202	708631	39.706	ng	100
80) Butylbenzylphthalate	13.551	149	132061	37.625	ng	100
81) Benzo(a)anthracene	14.121	228	518137	40.424	ng	100
82) 3,3'-Dichlorobenzidine	14.080	252	148294	39.841	ng	100
83) Chrysene	14.157	228	461979	39.134	ng	100
84) Bis(2-ethylhexyl)phtha...	14.110	149	198176	37.454	ng	100
85) Di-n-octyl phthalate	14.727	149	354747	36.531	ng	100
87) Indeno(1,2,3-cd)pyrene	17.180	276	689277	40.912	ng	100
88) Benzo(b)fluoranthene	15.192	252	490240	37.520	ng	100
89) Benzo(k)fluoranthene	15.221	252	520058	41.721	ng	100
90) Benzo(a)pyrene	15.574	252	509307	41.215	ng	100
91) Dibenzo(a,h)anthracene	17.198	278	561661	40.782	ng	100
92) Benzo(g,h,i)perylene	17.645	276	569850	40.584	ng	100

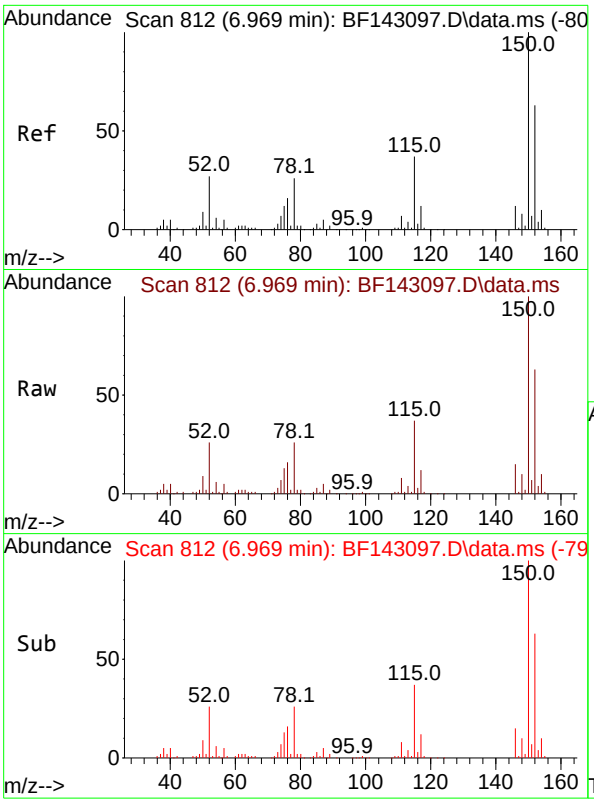
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143097.D
Acq On : 15 Jul 2025 15:05
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 15 17:40:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



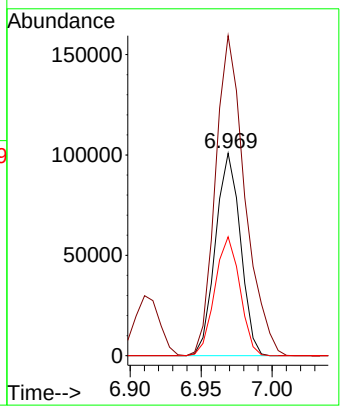


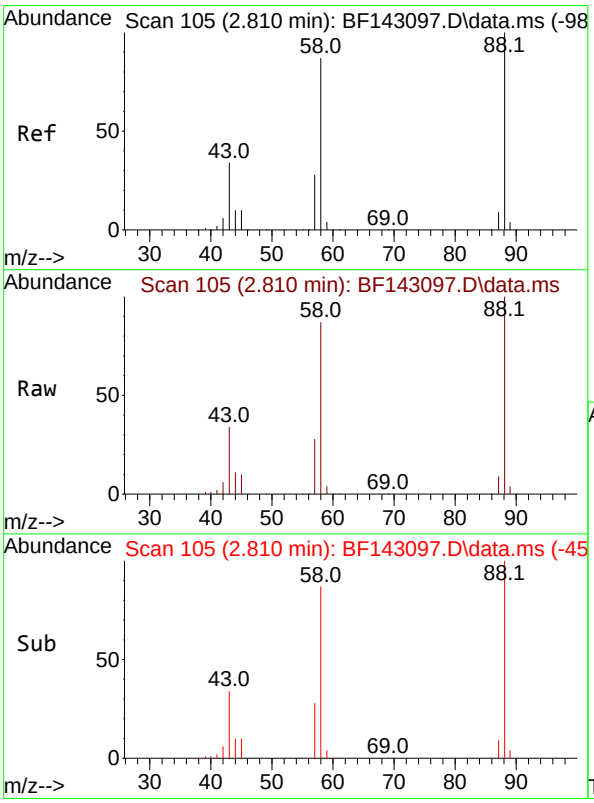
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 123440

Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.5	189.7
115	58.8	47.0	70.6

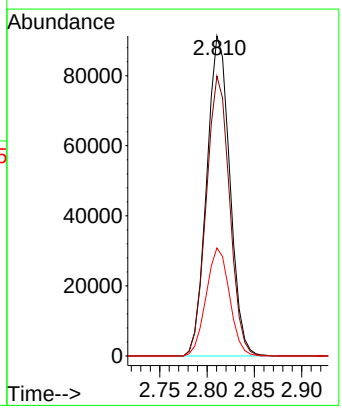


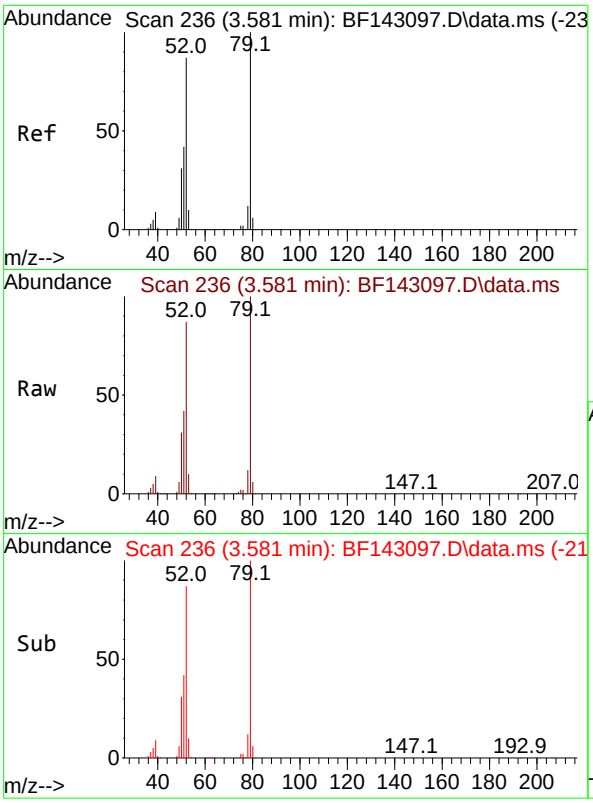


#2
1,4-Dioxane
Concen: 39.787 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 88 Resp: 154739

Ion	Ratio	Lower	Upper
88	100		
58	88.1	70.5	105.7
43	34.1	27.3	40.9



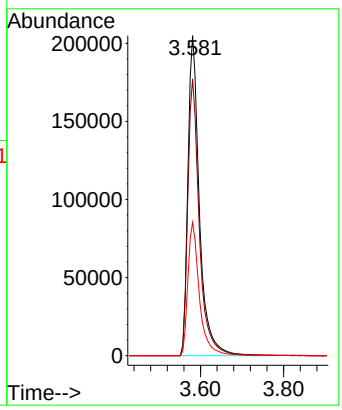


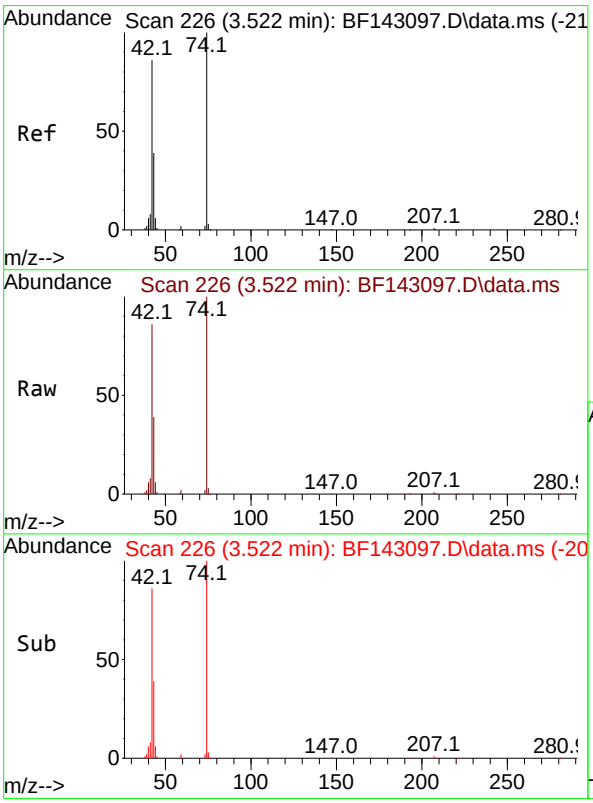
#3
Pyridine
Concen: 39.957 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 393514

Ion	Ratio	Lower	Upper
79	100		
52	86.5	69.2	103.8
51	41.6	33.3	49.9

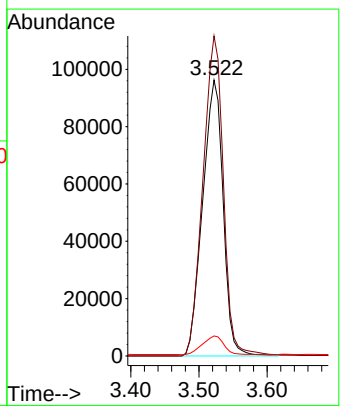


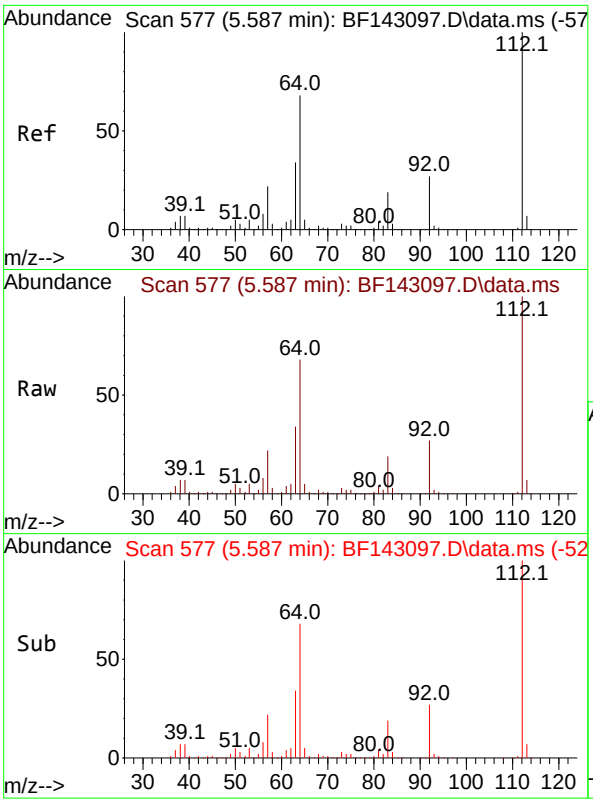


#4
n-Nitrosodimethylamine
Concen: 39.500 ng
RT: 3.522 min Scan# 226
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 42 Resp: 201552

Ion	Ratio	Lower	Upper
42	100		
74	116.0	92.8	139.2
44	7.2	5.8	8.6



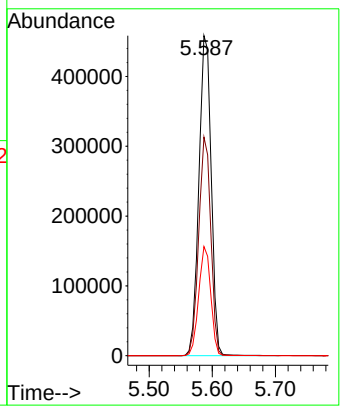


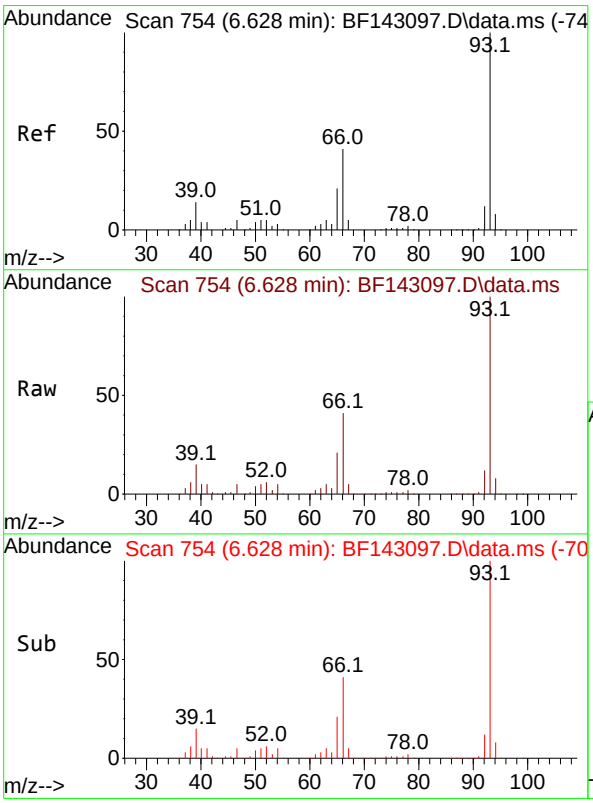
#5
2-Fluorophenol
Concen: 79.335 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 619840

Ion	Ratio	Lower	Upper
112	100		
64	68.3	54.6	82.0
63	34.1	27.3	40.9

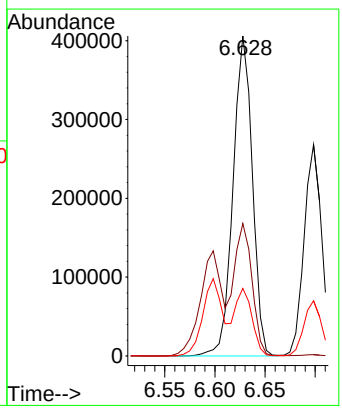


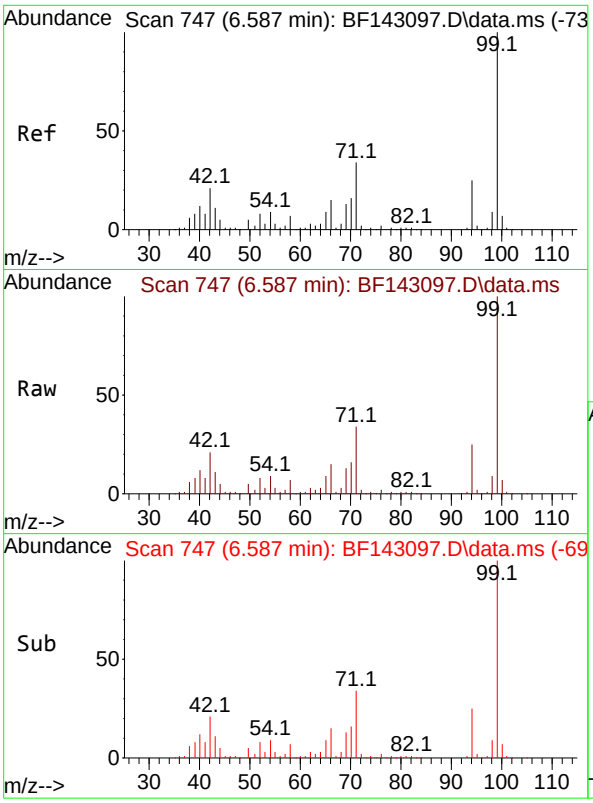


#6
Aniline
Concen: 39.365 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 544405

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.1	49.7
65	21.1	16.9	25.3



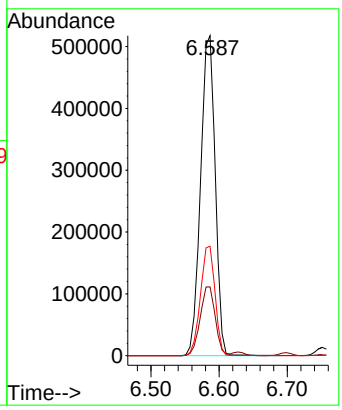


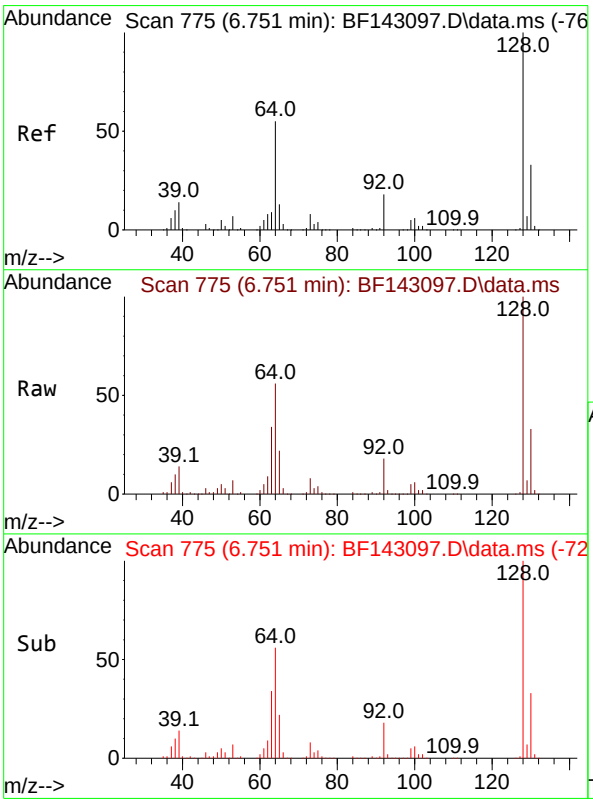
#7
Phenol-d6
Concen: 78.673 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 772641

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.2	25.8
71	34.2	27.4	41.0

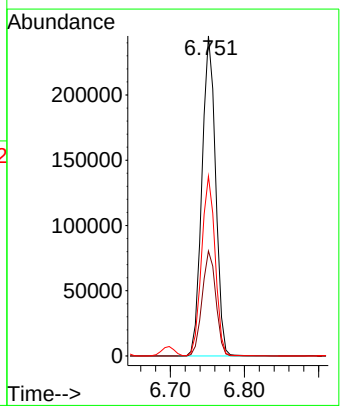


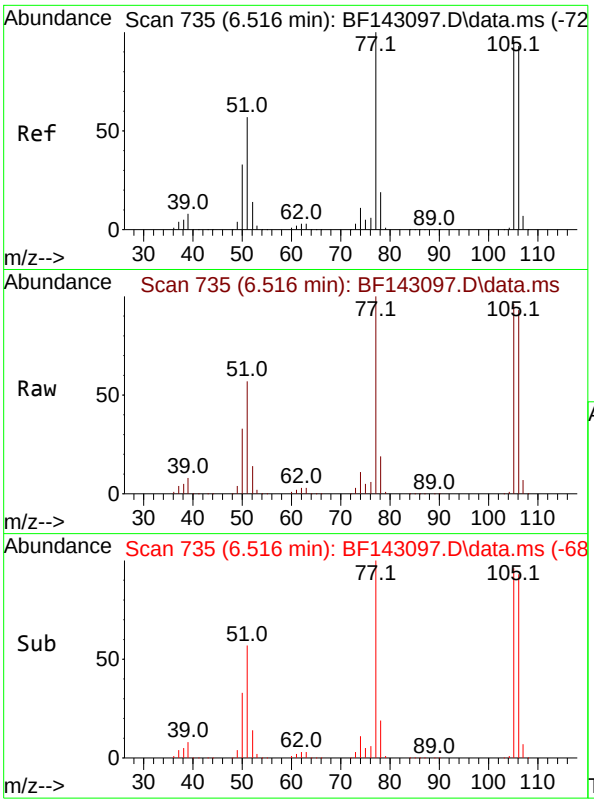


#8
2-Chlorophenol
Concen: 40.025 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:128 Resp: 314192

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	56.1	36.1	76.1



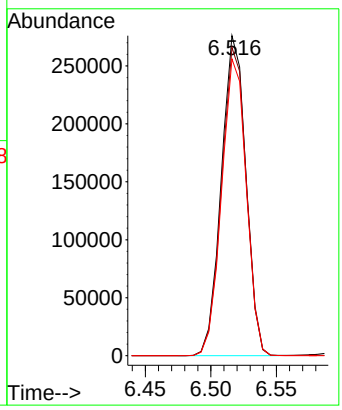


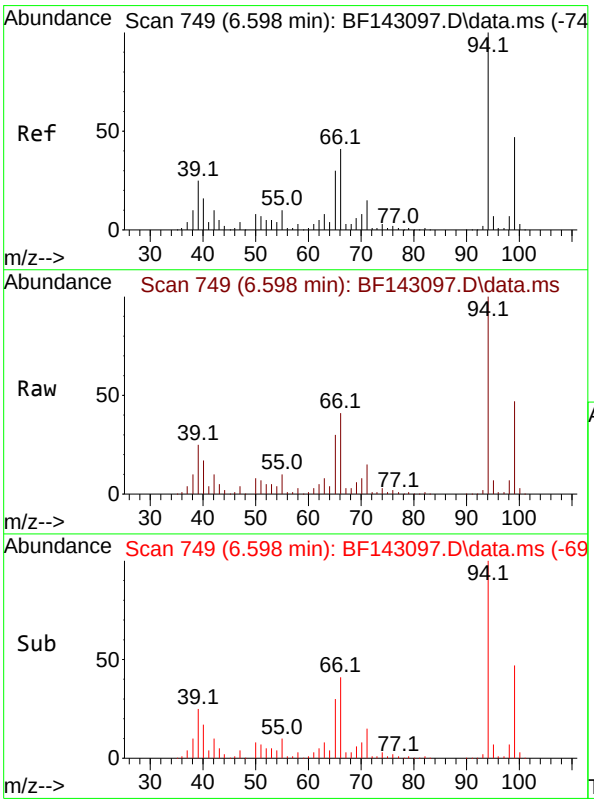
#9
Benzaldehyde
Concen: 47.869 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 358216

Ion	Ratio	Lower	Upper
77	100		
105	96.3	76.3	116.3
106	92.8	72.8	112.8

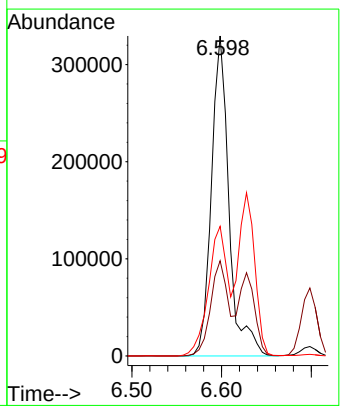


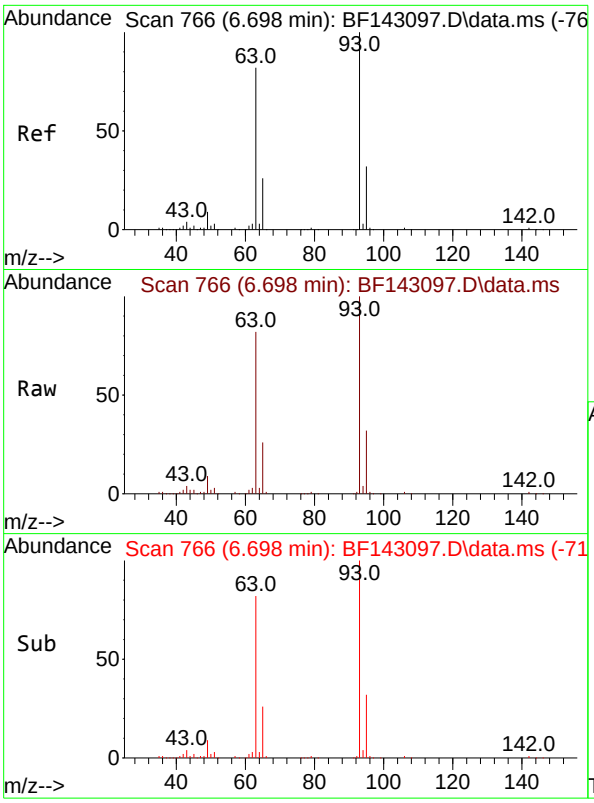


#10
Phenol
Concen: 42.133 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 94 Resp: 447943

Ion	Ratio	Lower	Upper
94	100		
65	29.8	9.8	49.8
66	40.5	20.5	60.5



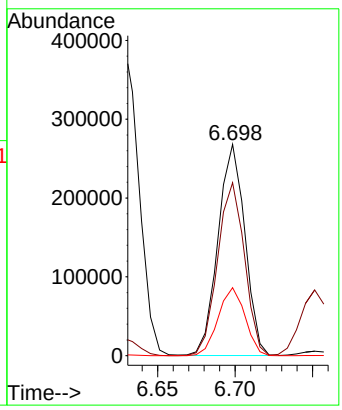


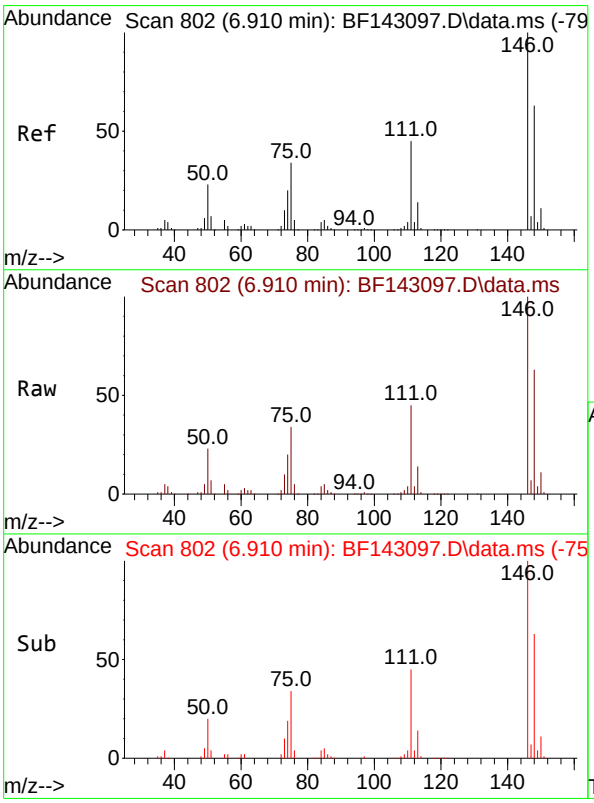
#11
bis(2-Chloroethyl)ether
Concen: 39.260 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 323129

Ion	Ratio	Lower	Upper
93	100		
63	81.9	61.9	101.9
95	32.2	12.2	52.2

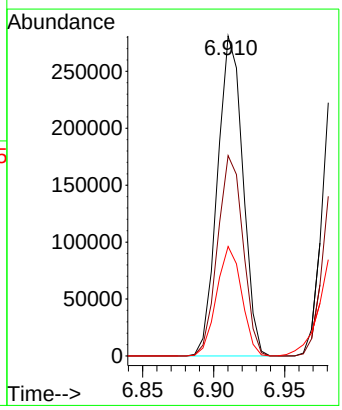


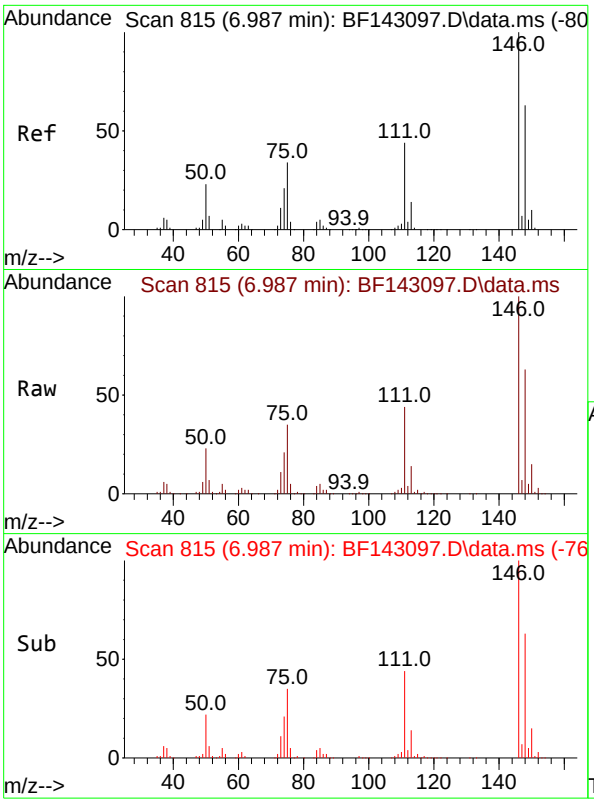


#12
1,3-Dichlorobenzene
Concen: 39.371 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 349154

Ion	Ratio	Lower	Upper
146	100		
148	62.6	50.1	75.1
75	34.2	27.4	41.0



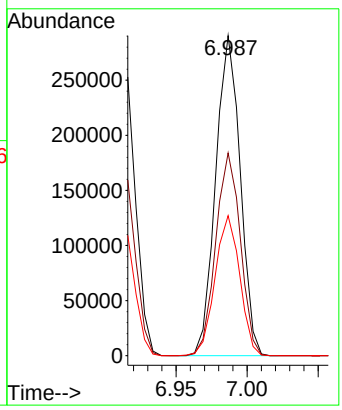


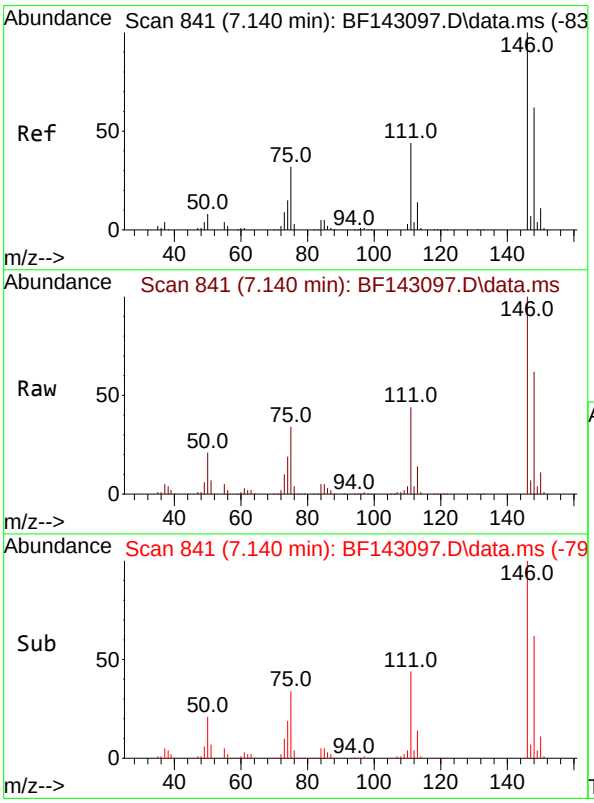
#13
1,4-Dichlorobenzene
Concen: 39.084 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 348706

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	43.8	35.0	52.6

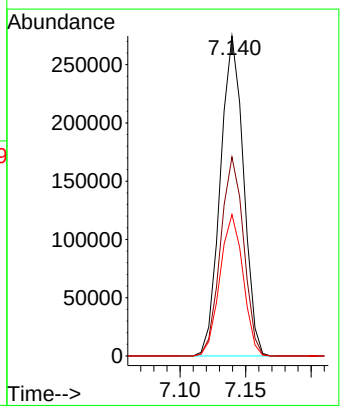


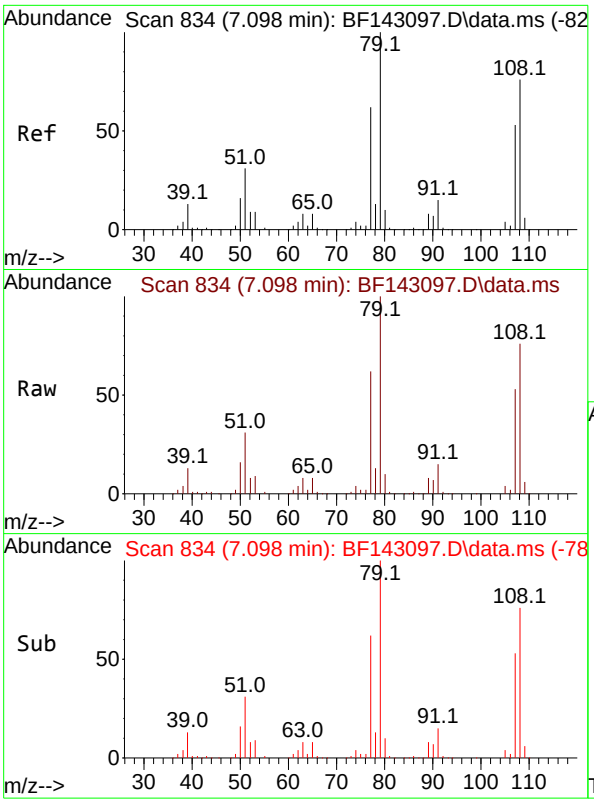


#14
1,2-Dichlorobenzene
Concen: 39.587 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:146 Resp: 336818

Ion	Ratio	Lower	Upper
146	100		
148	62.2	49.8	74.6
111	44.2	35.4	53.0



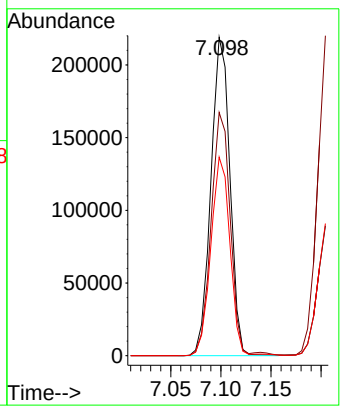


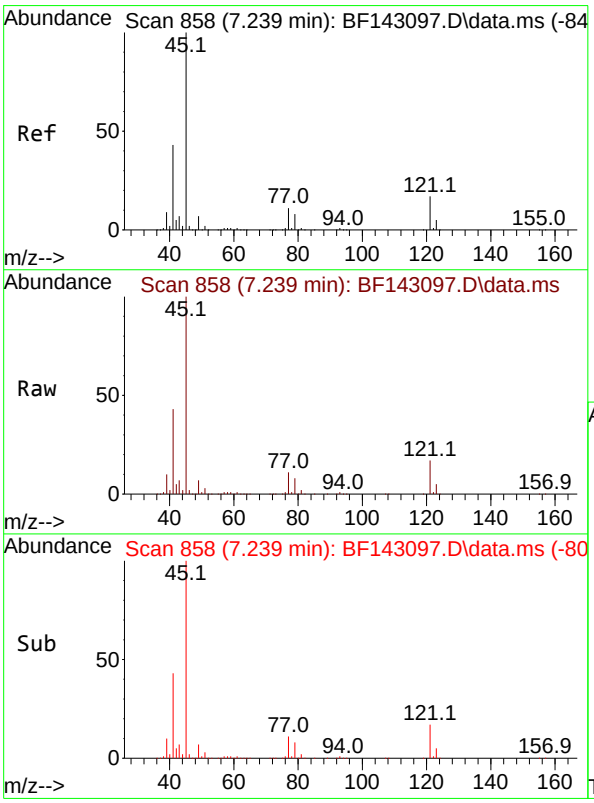
#15
Benzyl Alcohol
Concen: 39.585 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 288056

Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.1	91.7
77	62.4	49.9	74.9

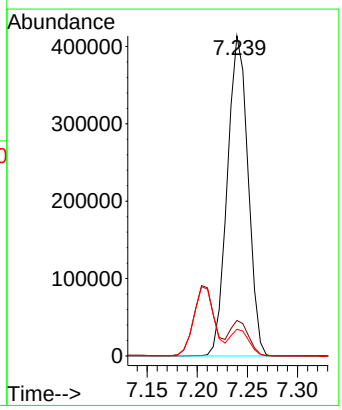


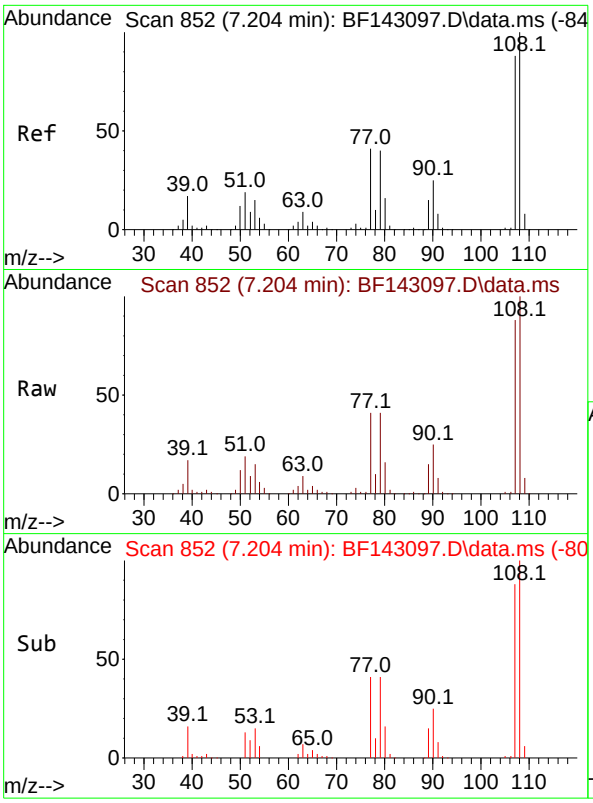


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.134 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 45 Resp: 593735

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.1
79	8.4	0.0	28.4



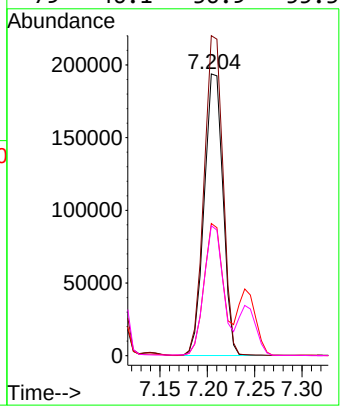


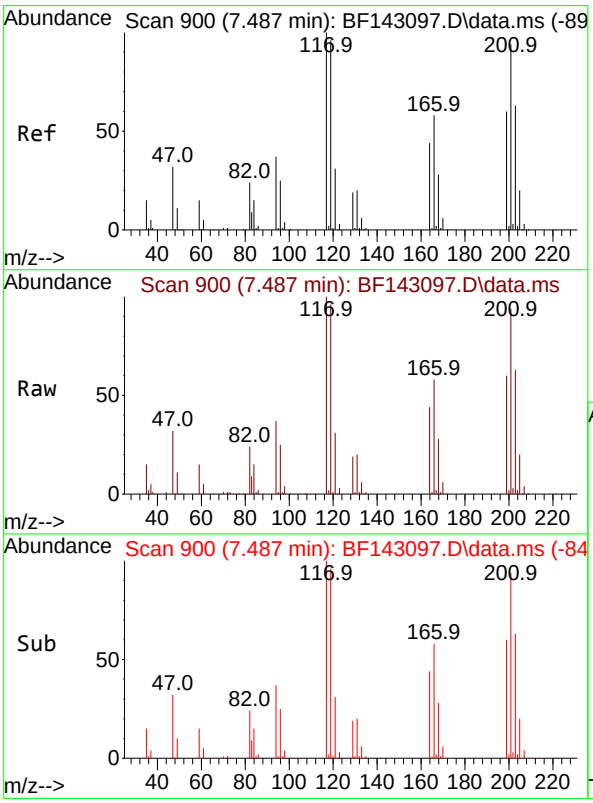
#17
2-Methylphenol
Concen: 39.484 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 267472

Ion	Ratio	Lower	Upper
107	100		
108	113.6	90.9	136.3
77	46.9	37.5	56.3
79	46.1	36.9	55.3

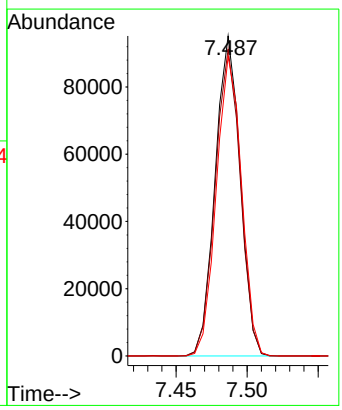


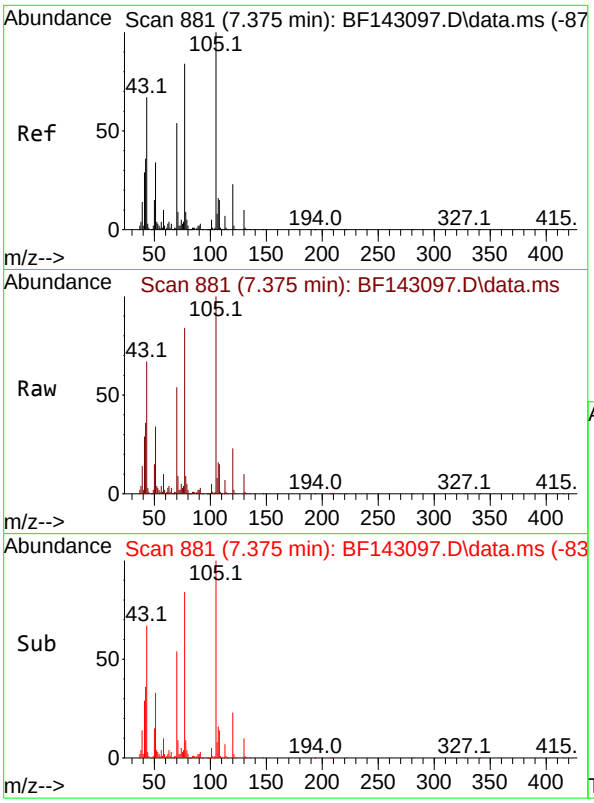


#18
Hexachloroethane
Concen: 40.159 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:117 Resp: 116640

Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
201	93.7	75.0	112.4



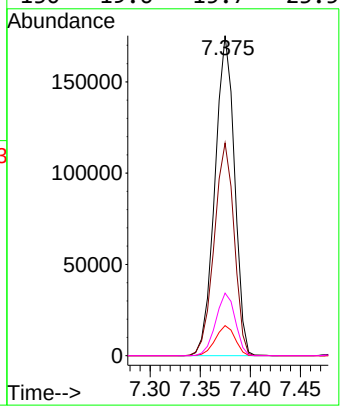


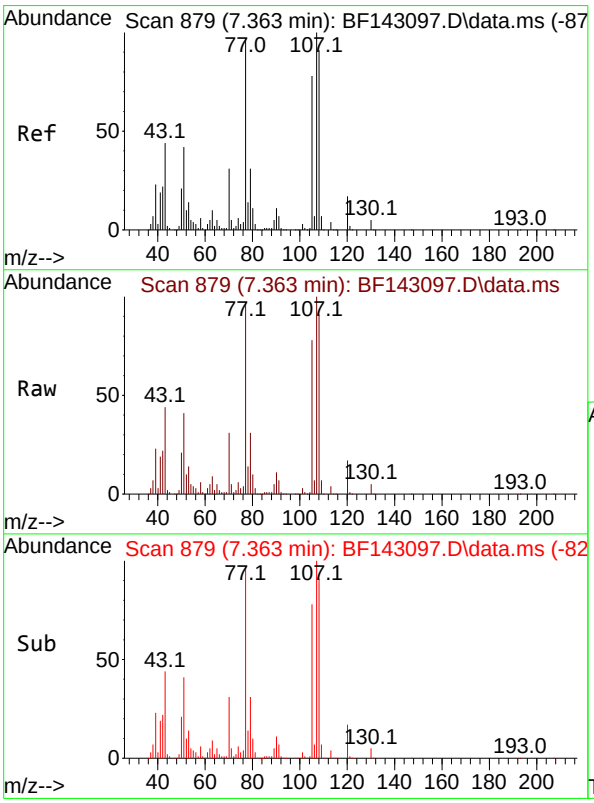
#19
n-Nitroso-di-n-propylamine
Concen: 39.549 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 237958

Ion	Ratio	Lower	Upper
70	100		
42	66.5	53.2	79.8
101	9.4	7.5	11.3
130	19.6	15.7	23.5

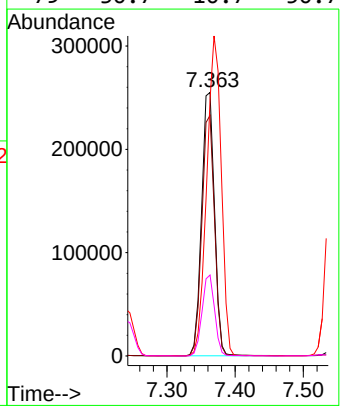


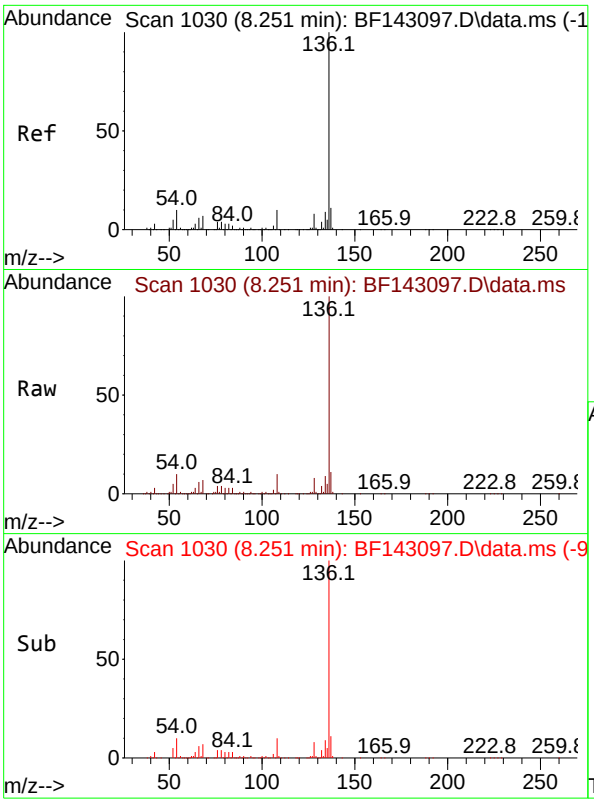


#20
3+4-Methylphenols
Concen: 40.291 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 334719

Ion	Ratio	Lower	Upper
107	100		
108	91.3	71.3	111.3
77	97.2	77.2	117.2
79	30.7	10.7	50.7



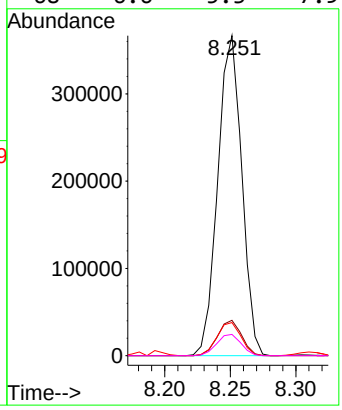


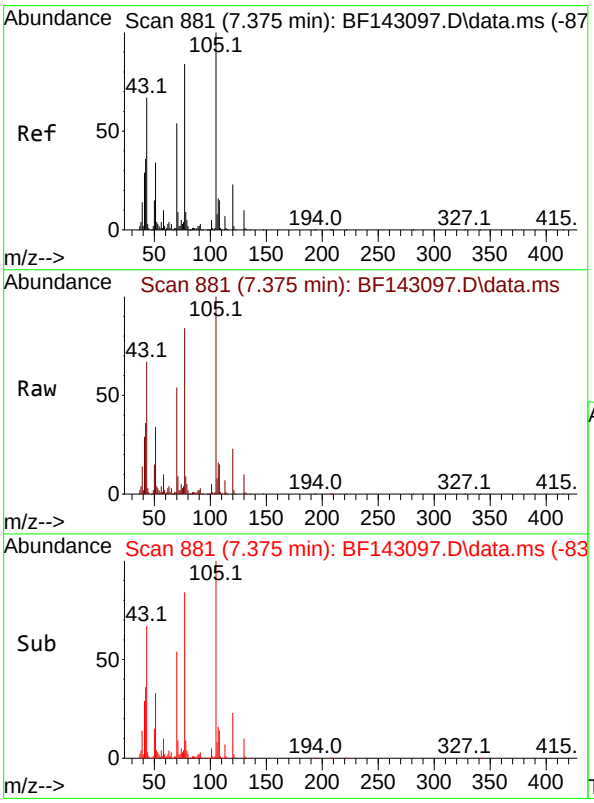
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 466428

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.4	8.3	12.5
68	6.6	5.3	7.9

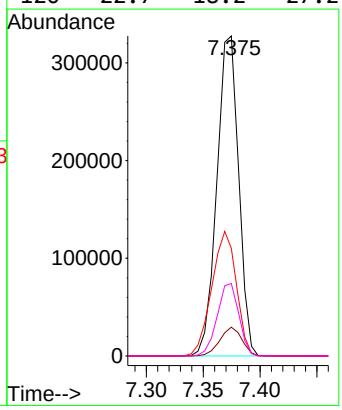


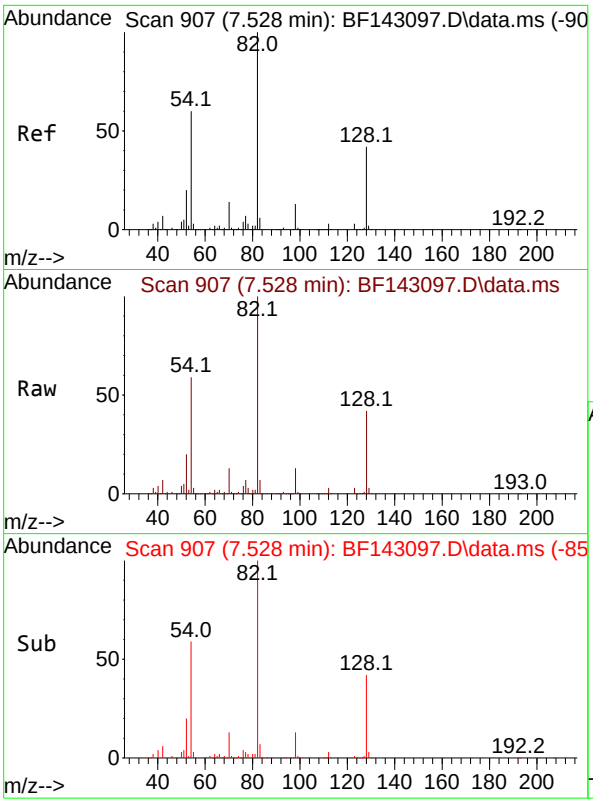


#22
Acetophenone
Concen: 38.906 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:105 Resp: 437447

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	33.7	27.0	40.4
120	22.7	18.2	27.2



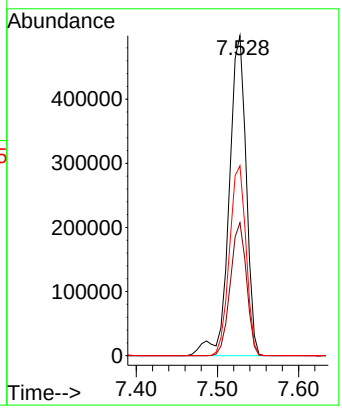


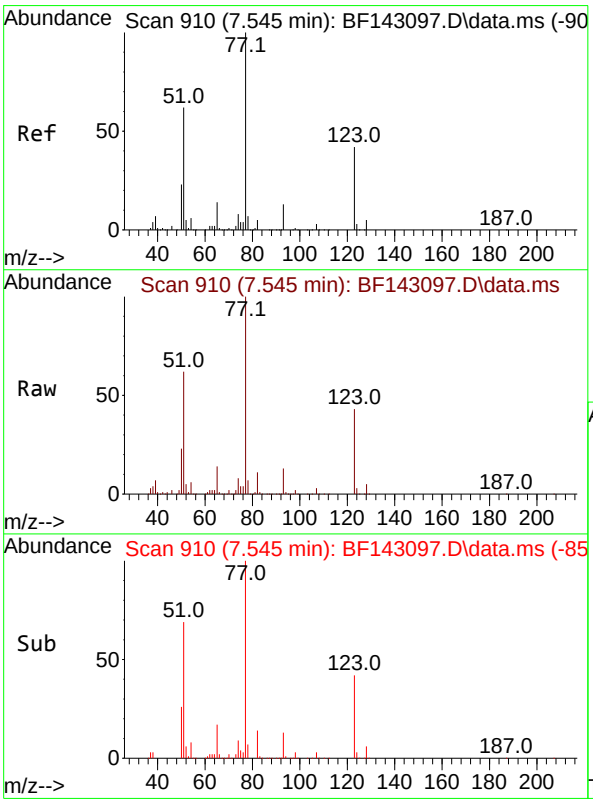
#23
Nitrobenzene-d5
Concen: 87.221 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 725222

Ion	Ratio	Lower	Upper
82	100		
128	41.6	33.3	49.9
54	59.3	47.4	71.2

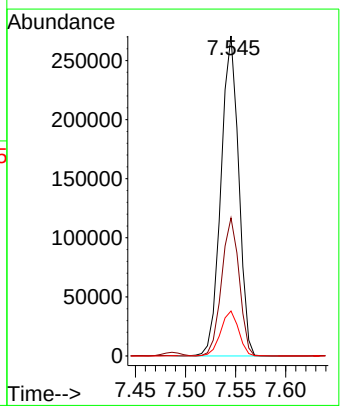


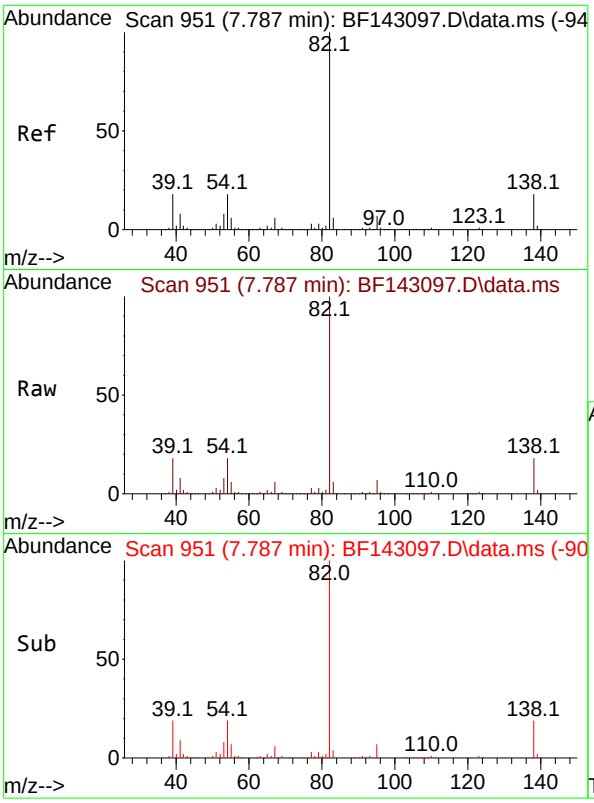


#24
Nitrobenzene
Concen: 41.364 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 77 Resp: 332013

Ion	Ratio	Lower	Upper
77	100		
123	43.1	34.5	51.7
65	14.1	11.3	16.9



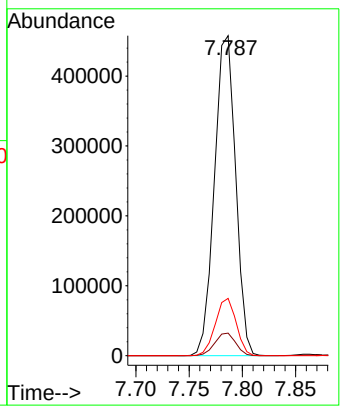


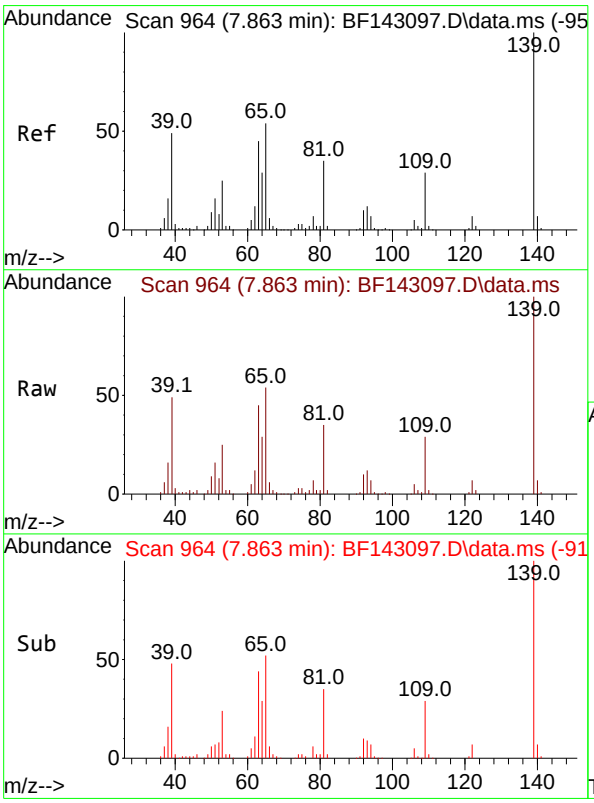
#25
Isophorone
Concen: 39.346 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 632327

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.9	14.3	21.5

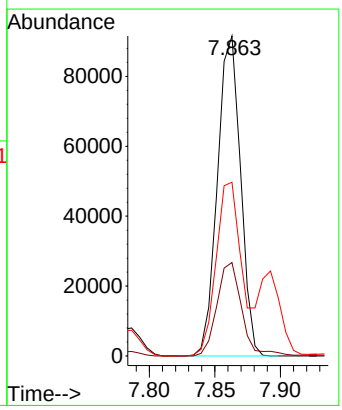


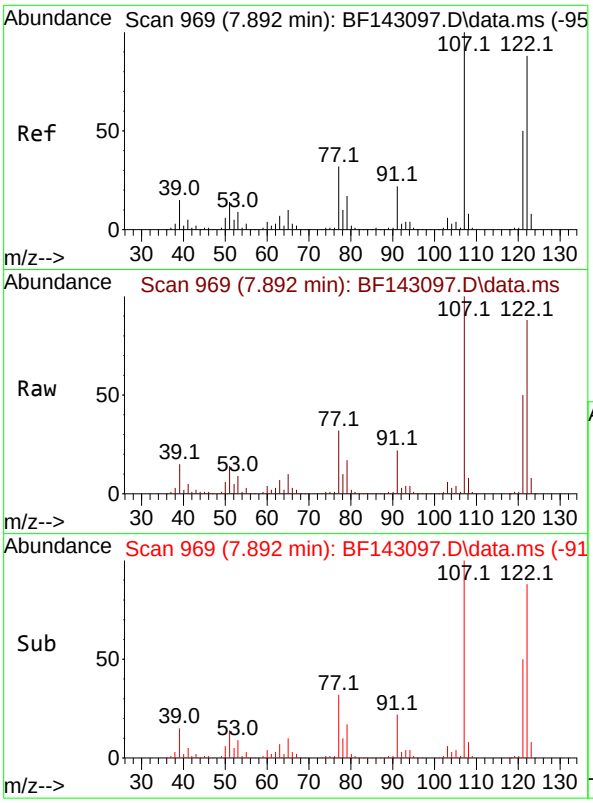


#26
2-Nitrophenol
Concen: 36.079 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 112314

Ion	Ratio	Lower	Upper
139	100		
109	29.2	23.4	35.0
65	54.3	43.4	65.2



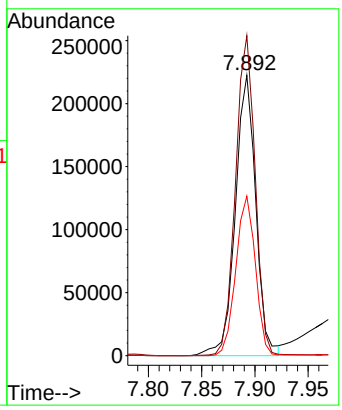


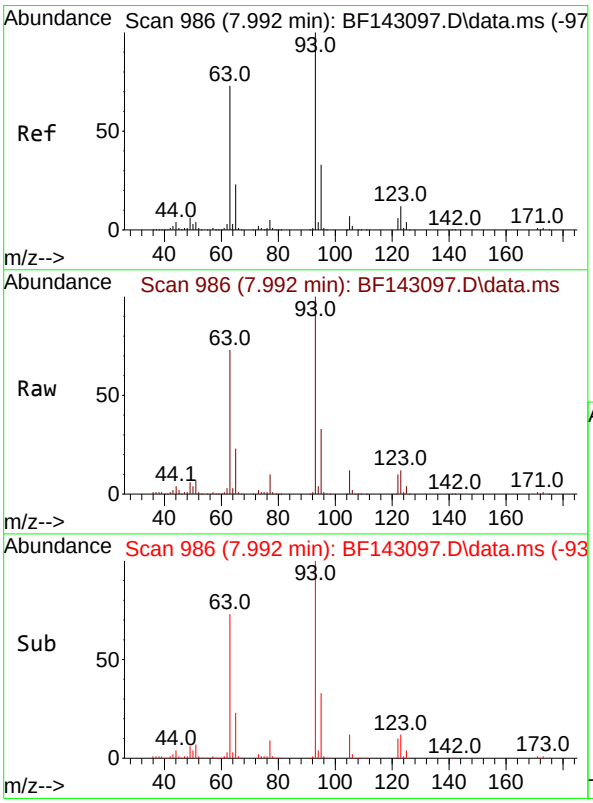
#27
2,4-Dimethylphenol
Concen: 39.984 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 298241

Ion	Ratio	Lower	Upper
122	100		
107	114.1	91.3	136.9
121	56.9	45.5	68.3

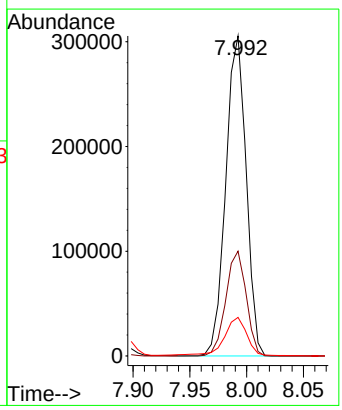


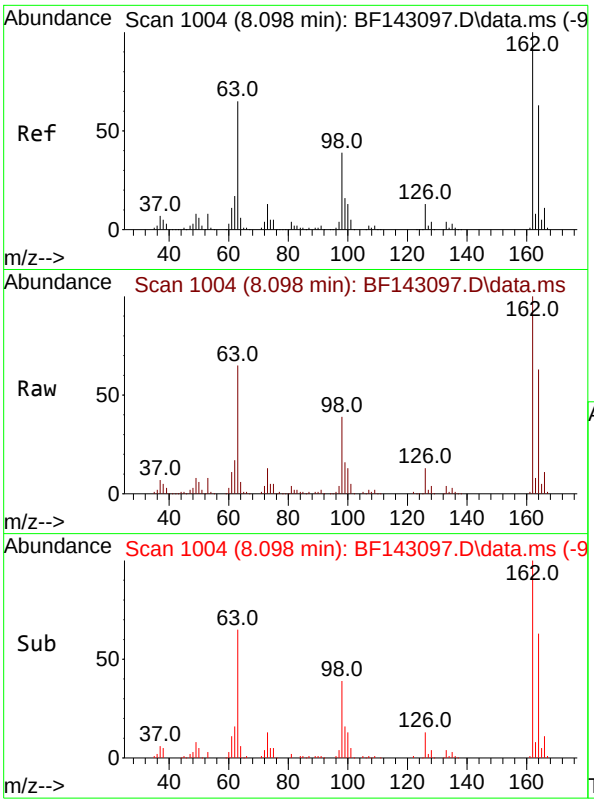


#28
bis(2-Chloroethoxy)methane
Concen: 39.155 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 93 Resp: 381576

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.0	9.6	14.4



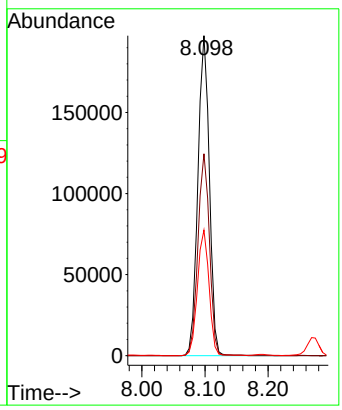


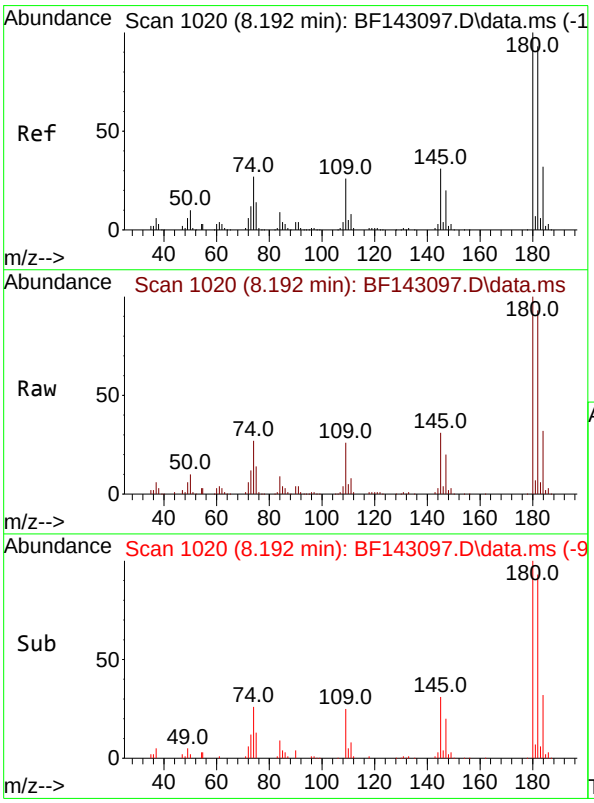
#29
2,4-Dichlorophenol
Concen: 40.752 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 248676

Ion	Ratio	Lower	Upper
162	100		
164	63.1	43.1	83.1
98	39.2	19.2	59.2

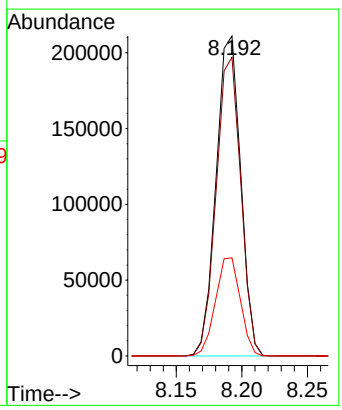


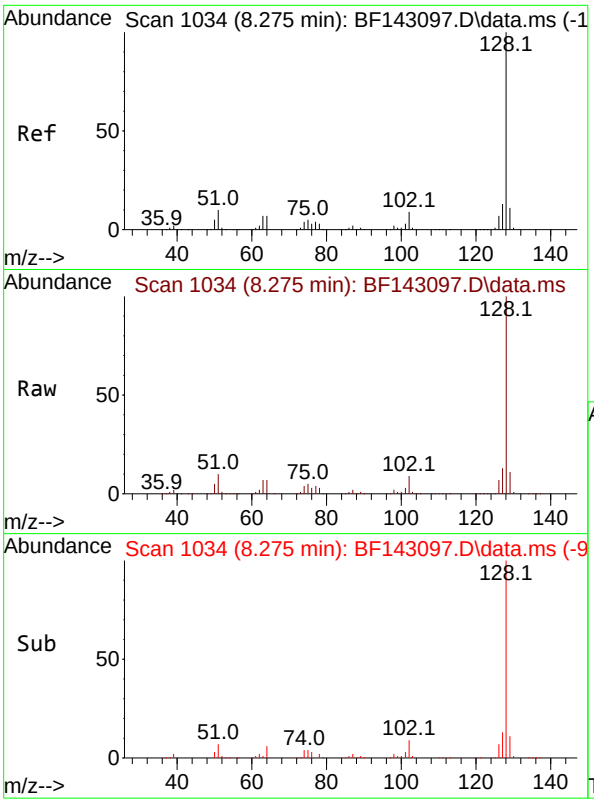


#30
1,2,4-Trichlorobenzene
Concen: 39.701 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:180 Resp: 274944

Ion	Ratio	Lower	Upper
180	100		
182	93.4	74.7	112.1
145	30.6	24.5	36.7



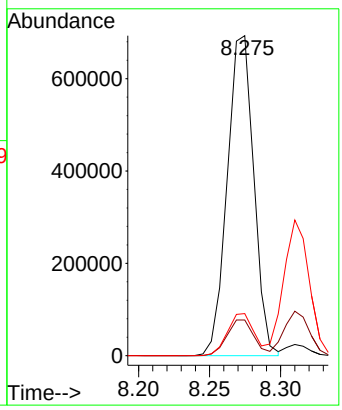


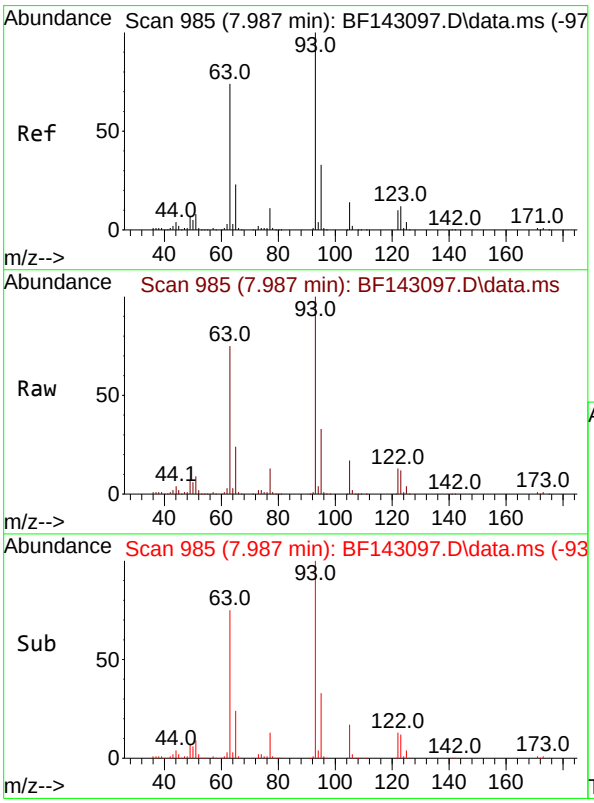
#31
Naphthalene
Concen: 38.898 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 900967

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.1	10.5	15.7

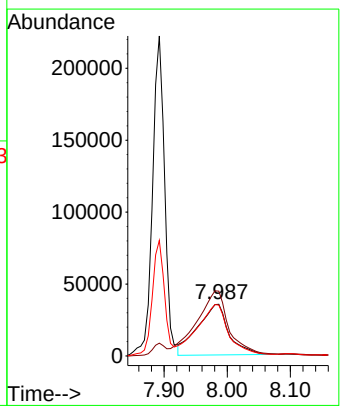


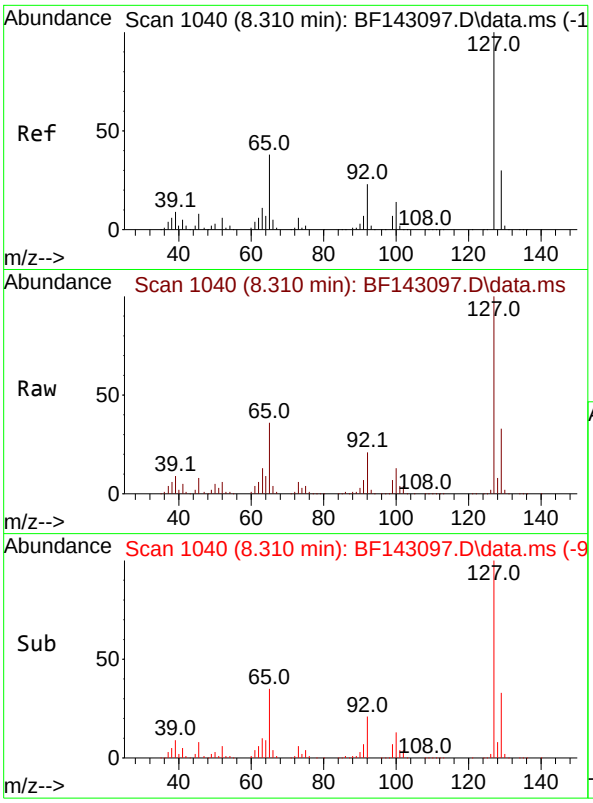


#32
Benzoic acid
Concen: 34.562 ng
RT: 7.987 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:122 Resp: 120551

Ion	Ratio	Lower	Upper
122	100		
105	125.4	105.4	145.4
77	98.6	78.6	118.6



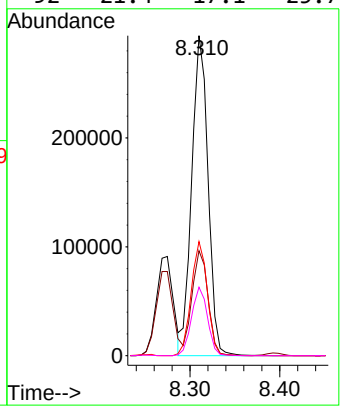


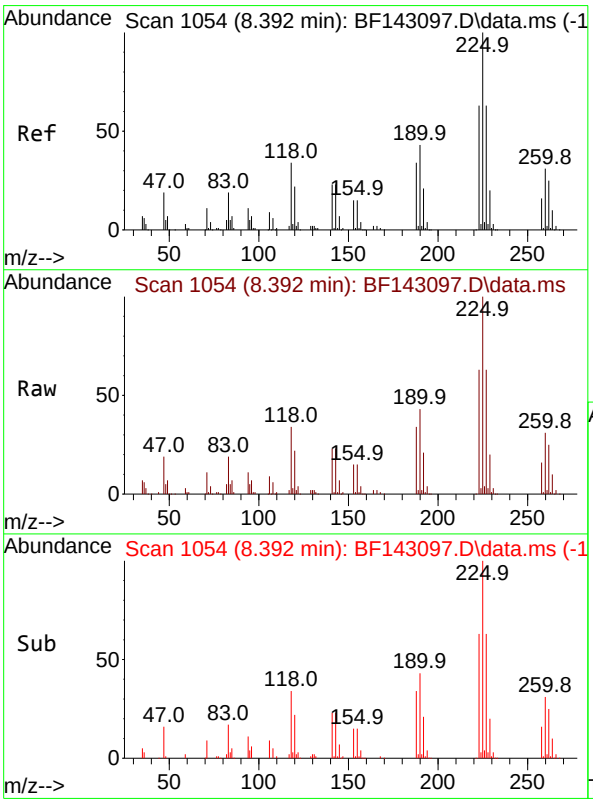
#33
4-Chloroaniline
Concen: 39.858 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 371249

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.2	39.4
65	35.7	28.6	42.8
92	21.4	17.1	25.7

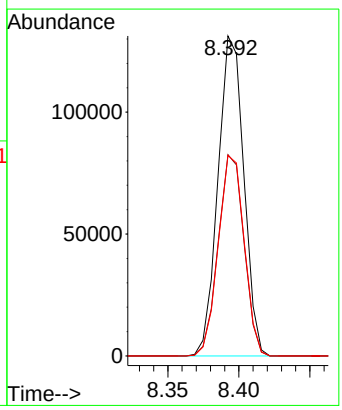


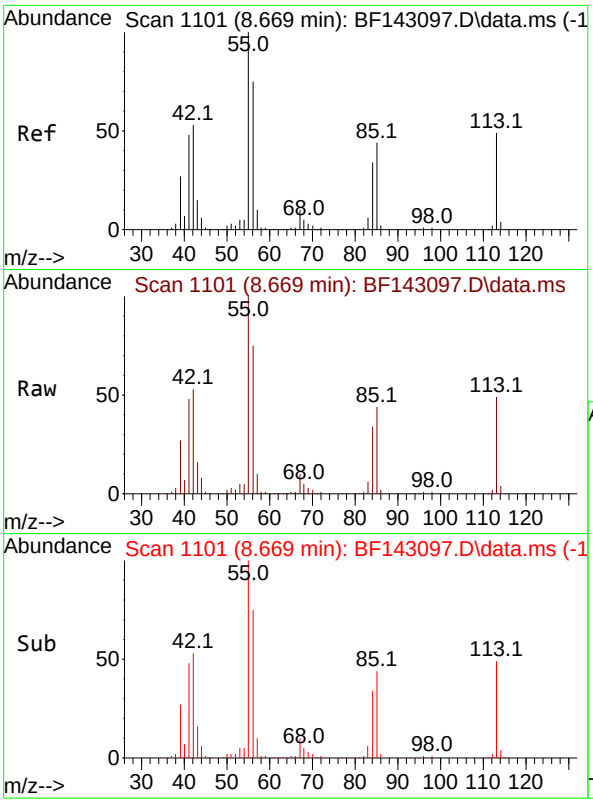


#34
Hexachlorobutadiene
Concen: 39.978 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:225 Resp: 165576

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	62.6	50.1	75.1



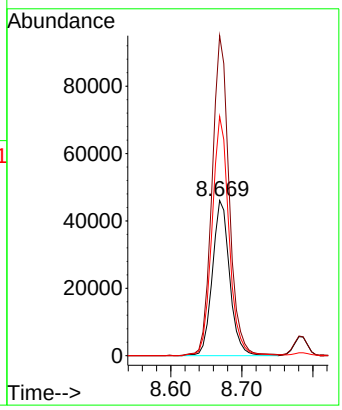


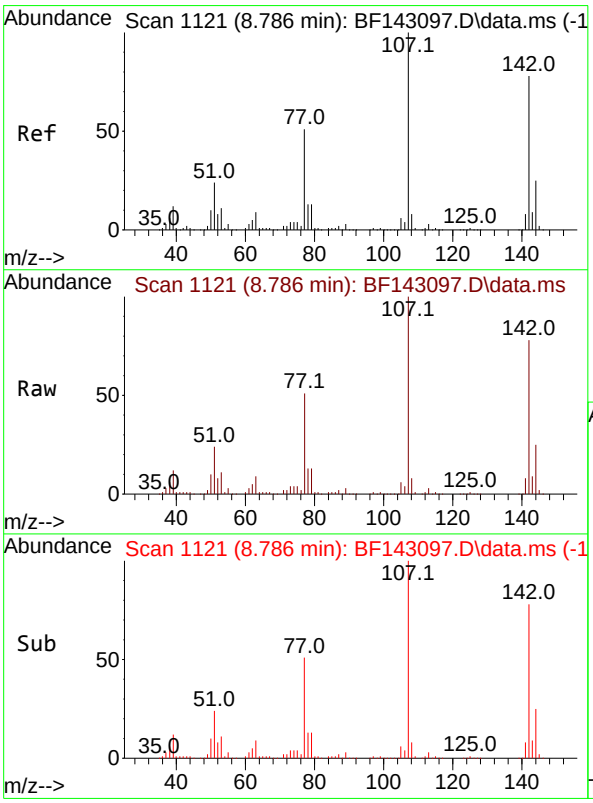
#35
Caprolactam
Concen: 40.657 ng
RT: 8.669 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 77472

Ion	Ratio	Lower	Upper
113	100		
55	206.2	186.2	226.2
56	154.1	134.1	174.1

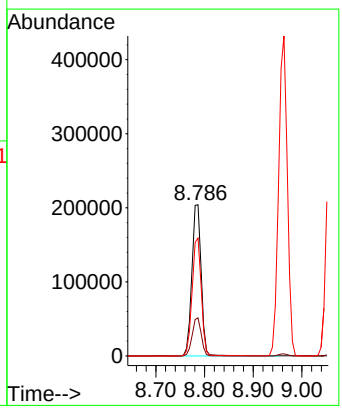


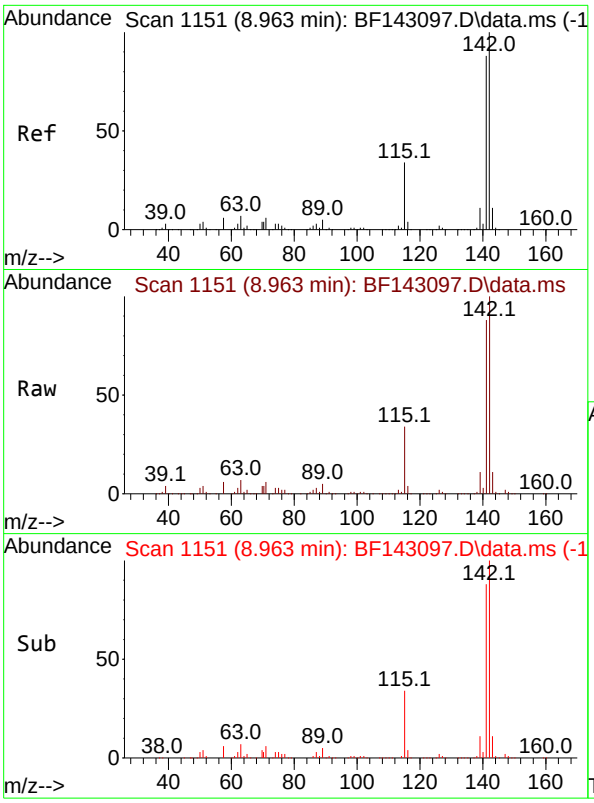


#36
4-Chloro-3-methylphenol
Concen: 40.145 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:107 Resp: 272885

Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	78.0	62.4	93.6



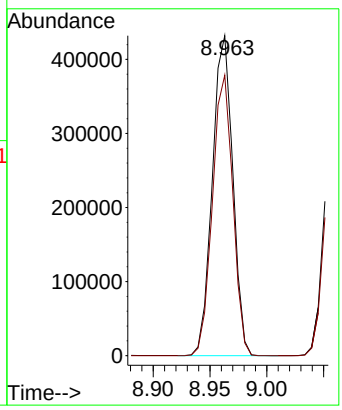


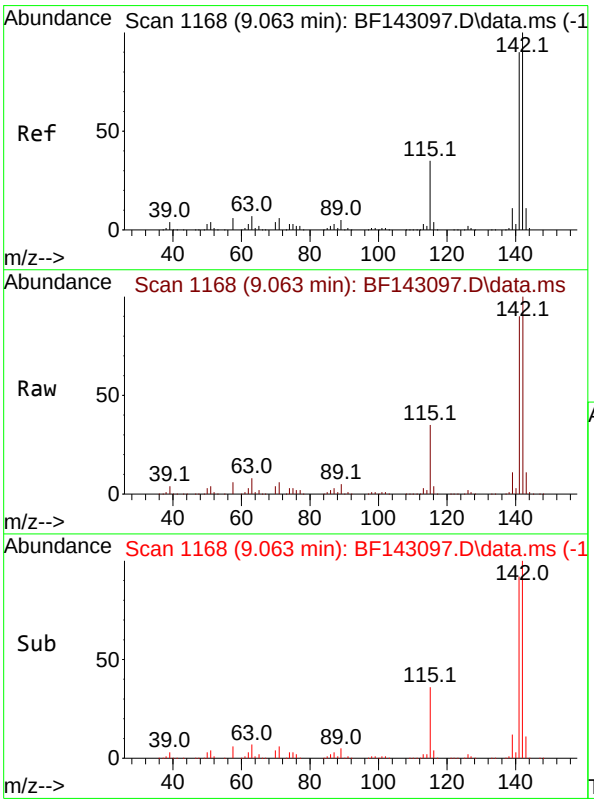
#37
2-Methylnaphthalene
Concen: 39.141 ng
RT: 8.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 540844

Ion	Ratio	Lower	Upper
142	100		
141	87.7	70.2	105.2

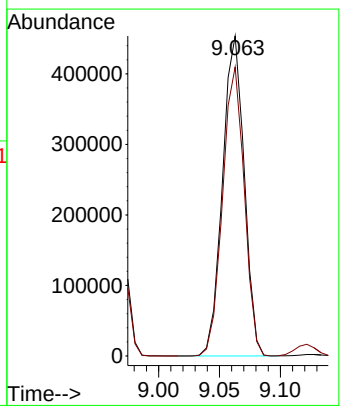


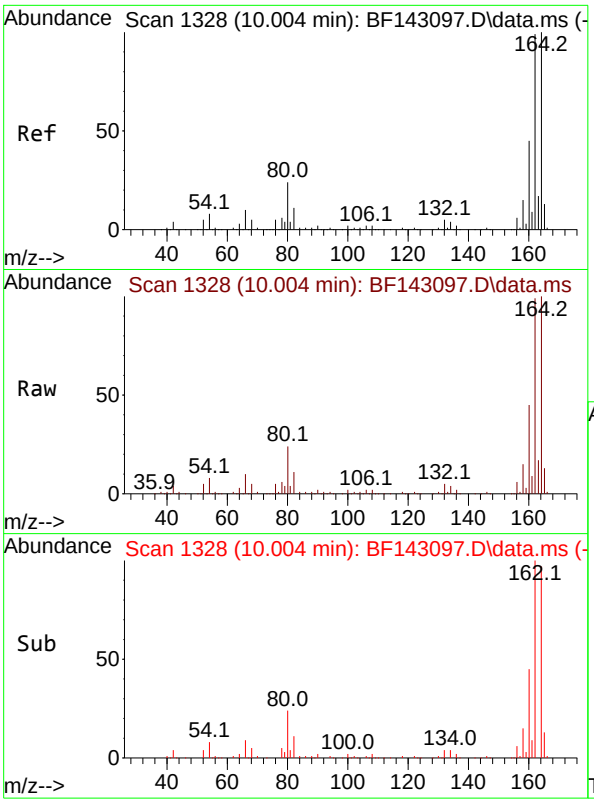


#38
1-Methylnaphthalene
Concen: 39.263 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:142 Resp: 562696

Ion	Ratio	Lower	Upper
142	100		
141	90.3	72.2	108.4



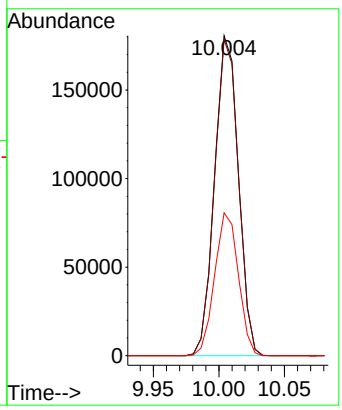


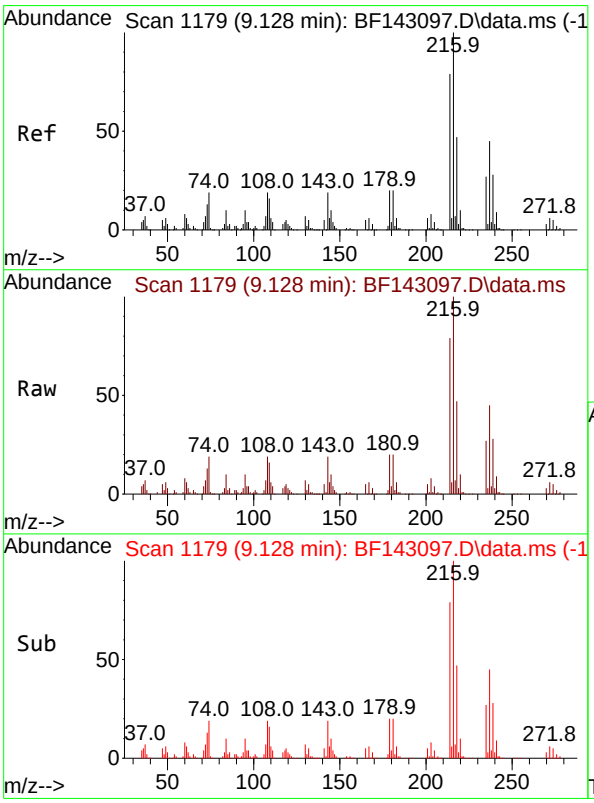
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 227730

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	44.7	35.8	53.6

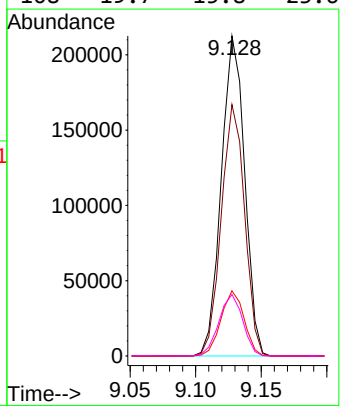


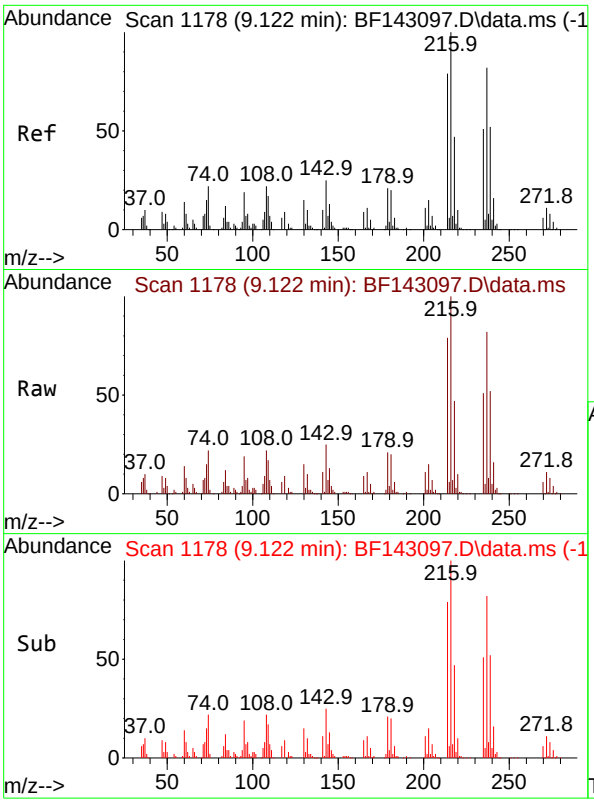


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.653 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:216 Resp: 263160

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	20.2	16.2	24.2
108	19.7	15.8	23.6



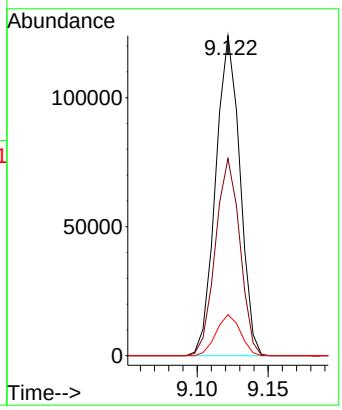


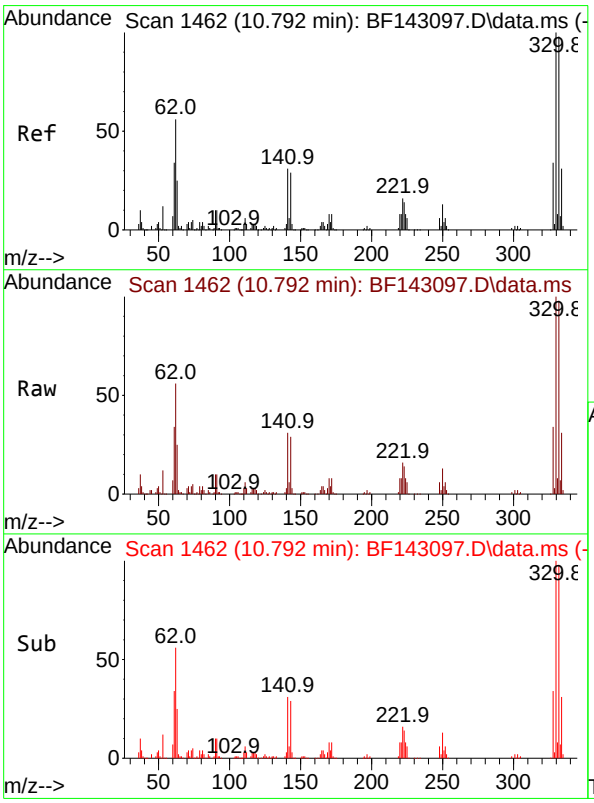
#41
Hexachlorocyclopentadiene
Concen: 40.011 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 147221

Ion	Ratio	Lower	Upper
237	100		
235	61.6	41.6	81.6
272	12.9	0.0	32.9

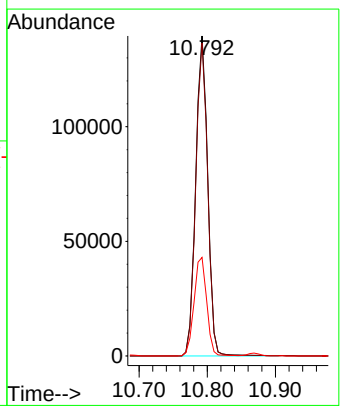


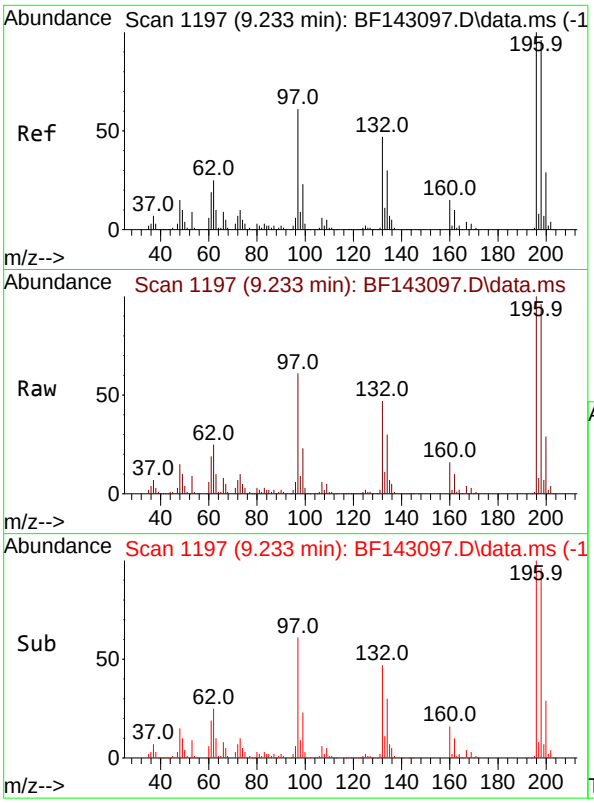


#42
2,4,6-Tribromophenol
Concen: 84.198 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:330 Resp: 170969

Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.9	116.9
141	32.4	25.9	38.9



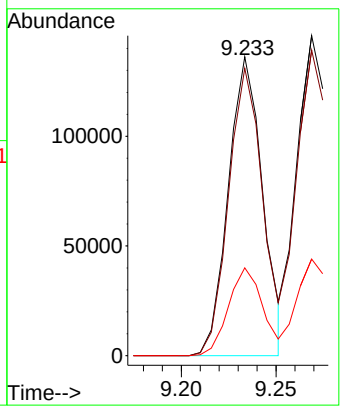


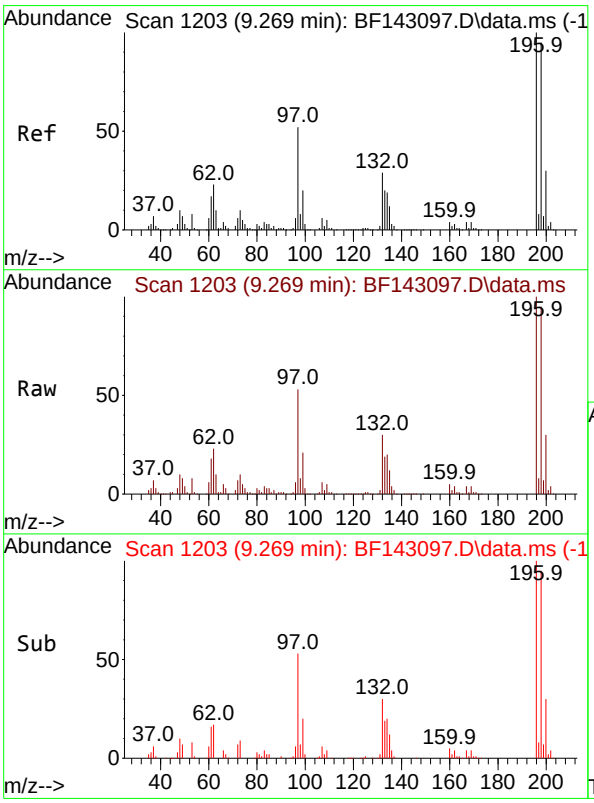
#43
2,4,6-Trichlorophenol
Concen: 41.569 ng
RT: 9.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 171419

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.9	115.3
200	29.4	23.5	35.3

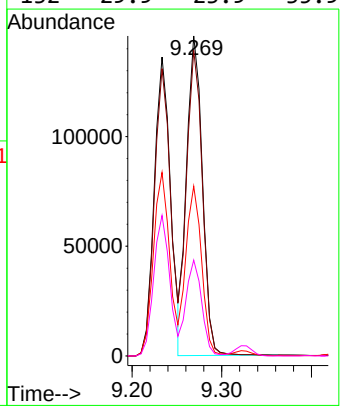


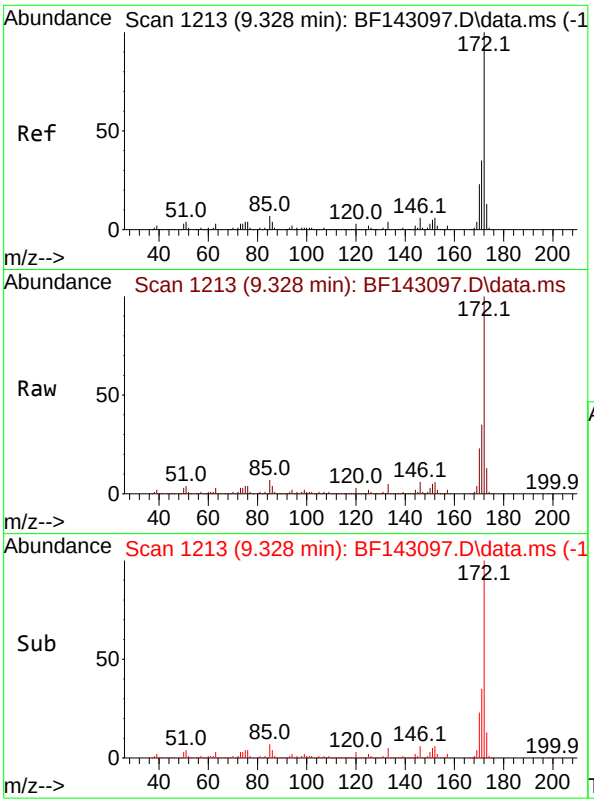


#44
2,4,5-Trichlorophenol
Concen: 41.422 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:196 Resp: 179101

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
97	53.0	42.4	63.6
132	29.9	23.9	35.9



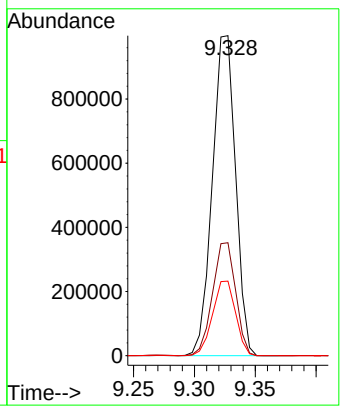


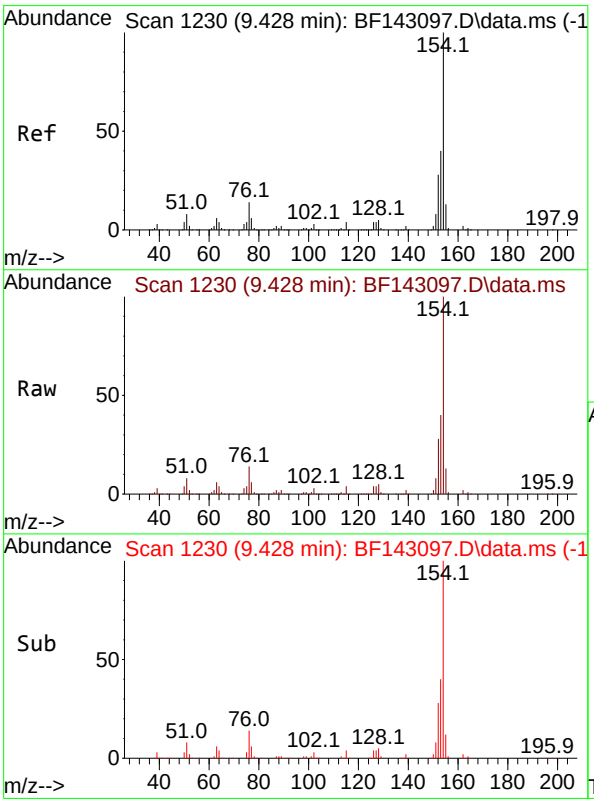
#45
2-Fluorobiphenyl
Concen: 77.428 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1326482

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.3	18.6	28.0

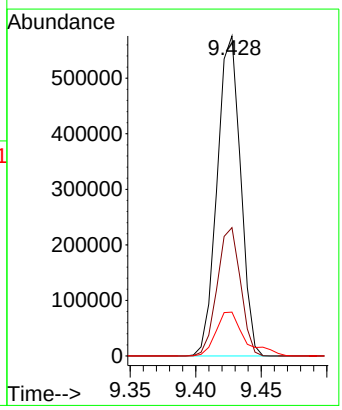


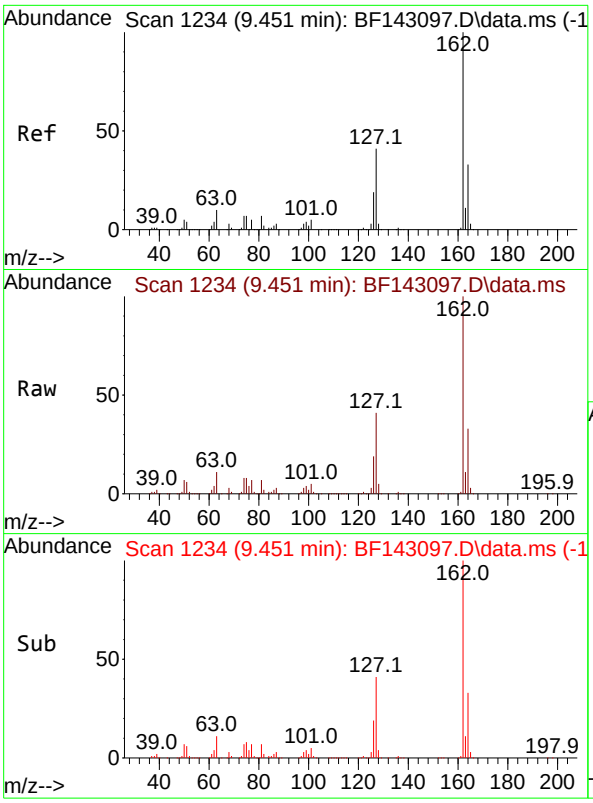


#46
1,1'-Biphenyl
Concen: 39.288 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:154 Resp: 713513

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	13.7	0.0	33.7



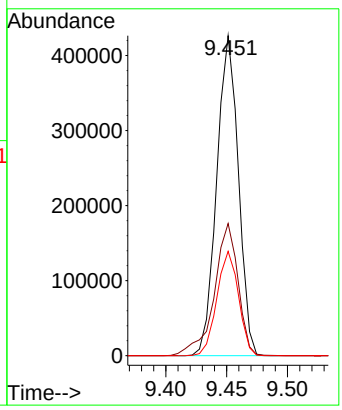


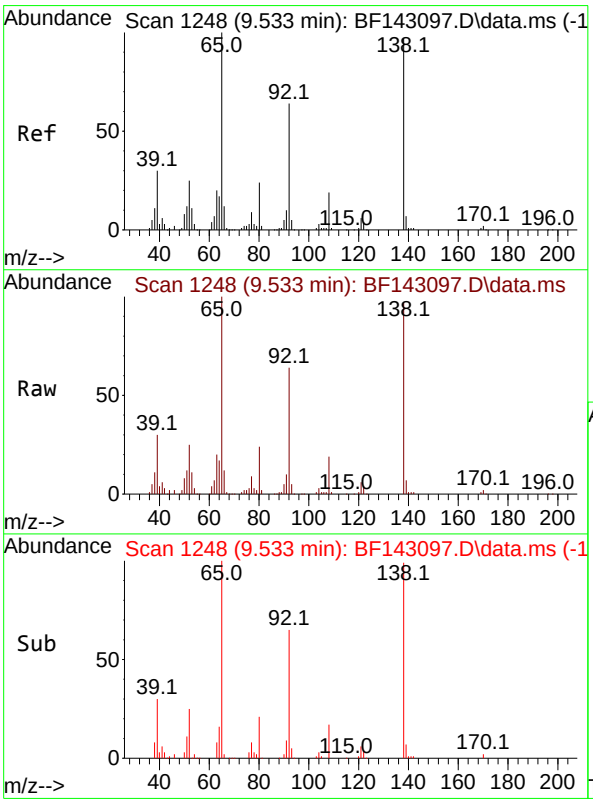
#47
2-Chloronaphthalene
Concen: 39.561 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 527800

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.0	49.6
164	32.6	26.1	39.1

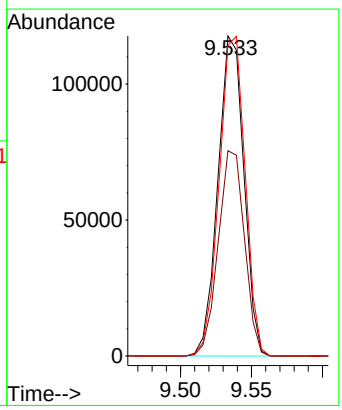


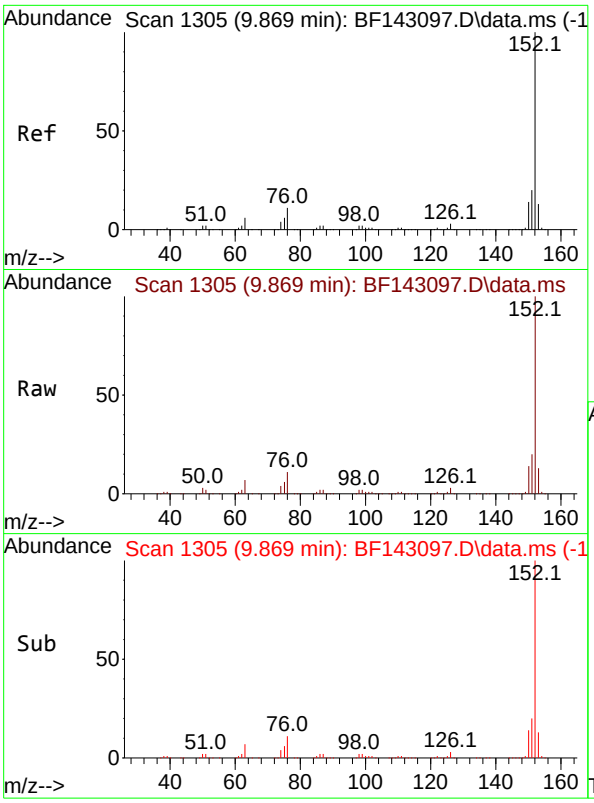


#48
2-Nitroaniline
Concen: 38.182 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion: 65 Resp: 149322

Ion	Ratio	Lower	Upper
65	100		
92	64.1	51.3	76.9
138	97.2	77.8	116.6



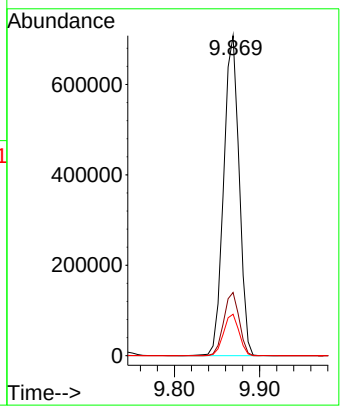


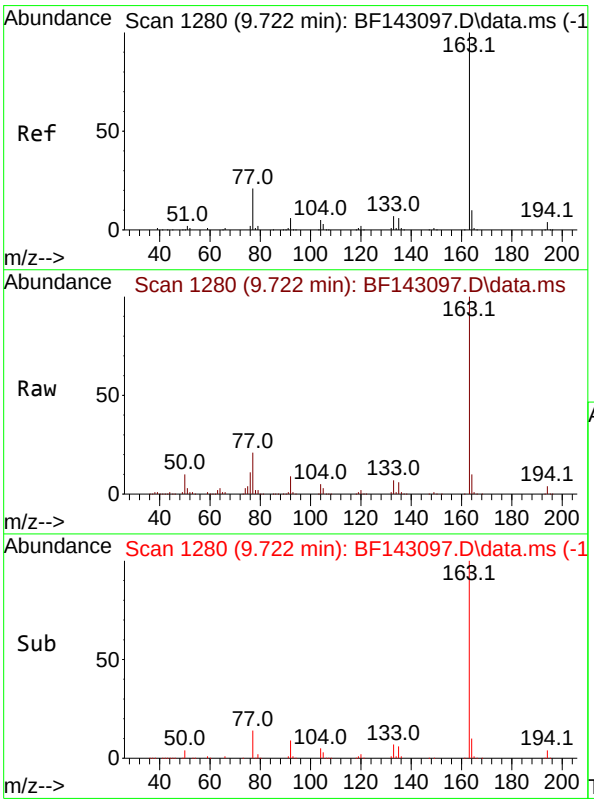
#49
Acenaphthylene
Concen: 40.126 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 892054

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.0	10.4	15.6

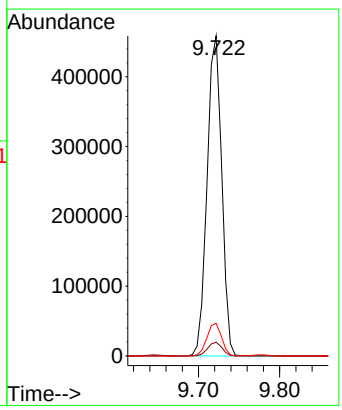


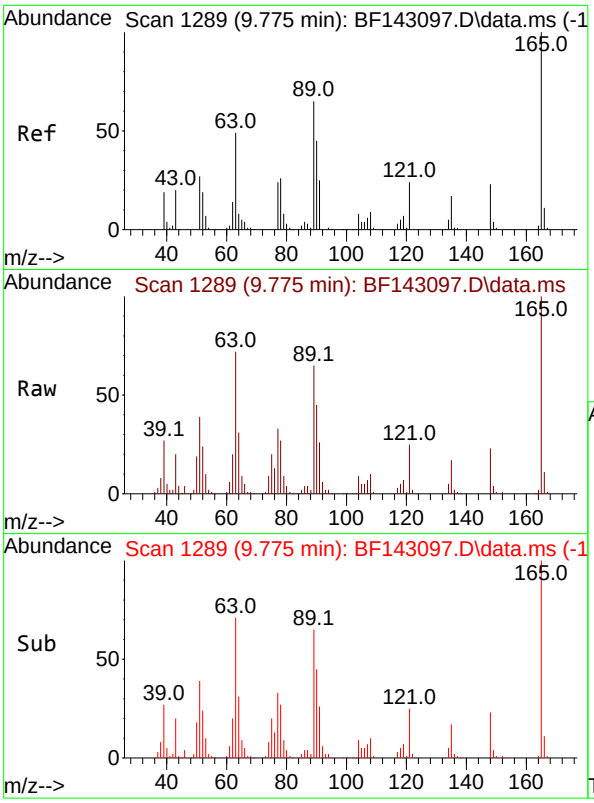


#50
Dimethylphthalate
Concen: 39.971 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:163 Resp: 572658

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.2	12.2



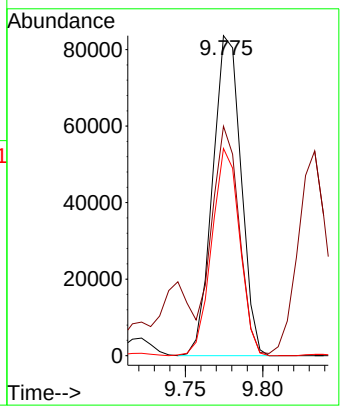


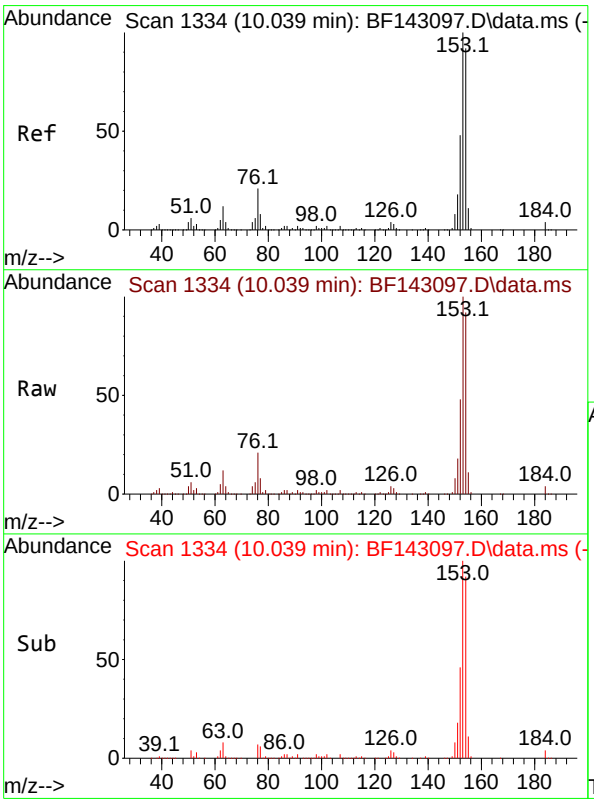
#51
2,6-Dinitrotoluene
Concen: 38.213 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 106468

Ion	Ratio	Lower	Upper
165	100		
63	71.7	57.4	86.0
89	64.8	51.8	77.8

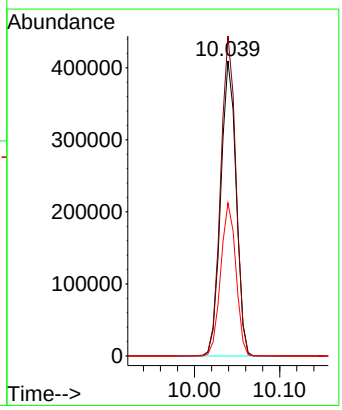


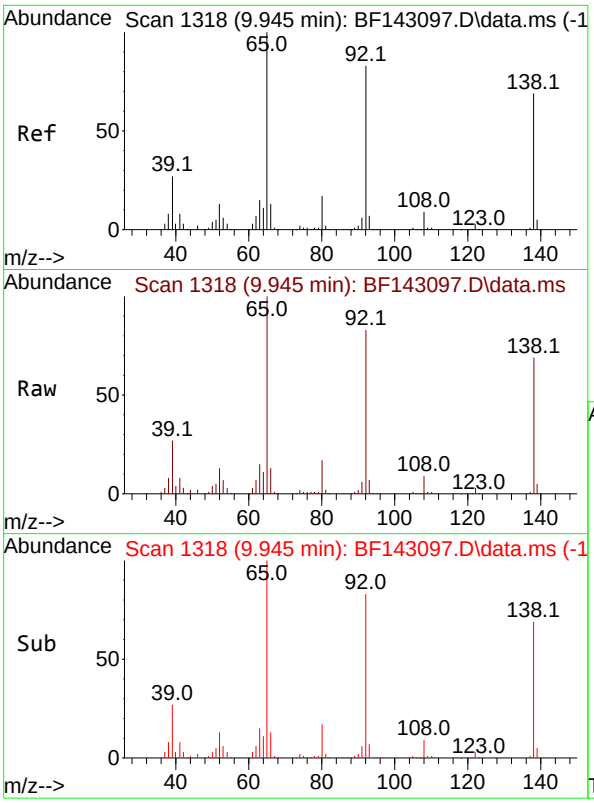


#52
Acenaphthene
Concen: 39.131 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:154 Resp: 513370

Ion	Ratio	Lower	Upper
154	100		
153	108.4	86.7	130.1
152	51.8	41.4	62.2



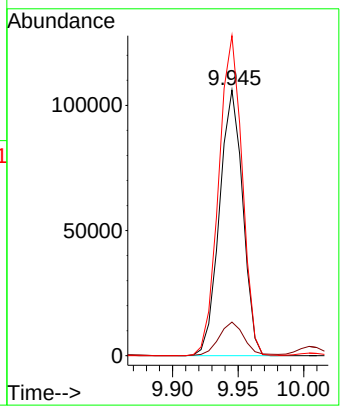


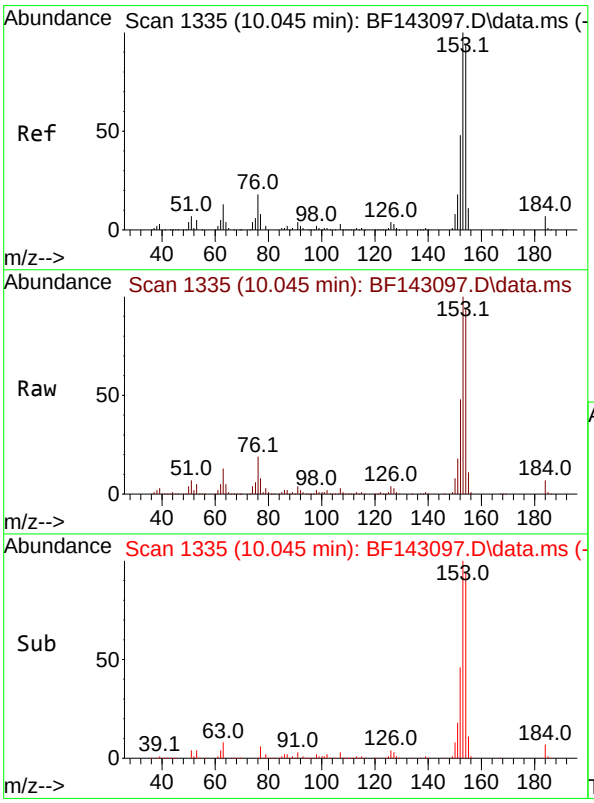
#53
3-Nitroaniline
Concen: 42.301 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 130953

Ion	Ratio	Lower	Upper
138	100		
108	12.6	10.1	15.1
92	120.5	96.4	144.6

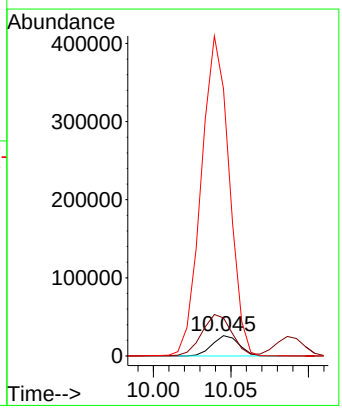


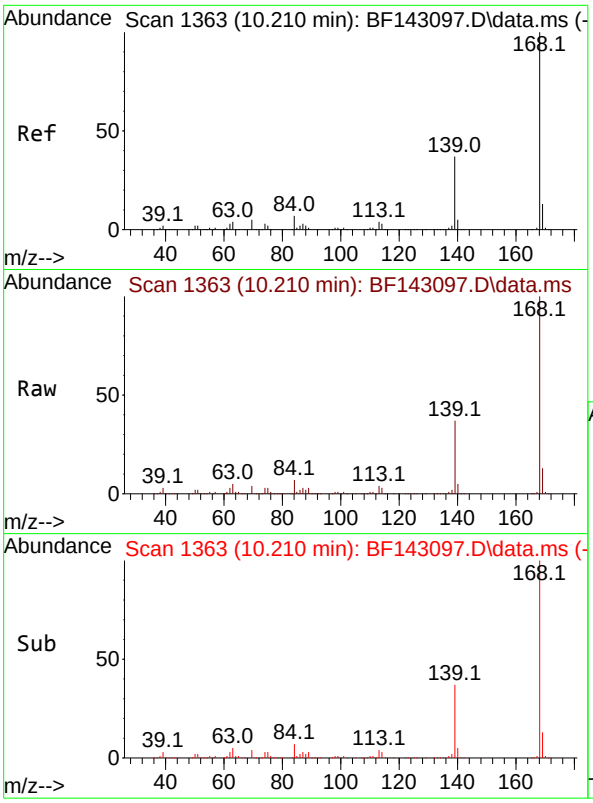


#54
2,4-Dinitrophenol
Concen: 37.582 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:184 Resp: 31236

Ion	Ratio	Lower	Upper
184	100		
63	186.6	149.3	223.9
154	1310.0	1048.0	1572.0



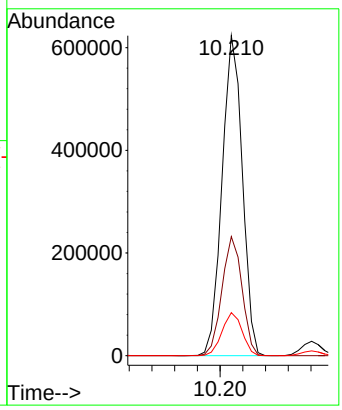


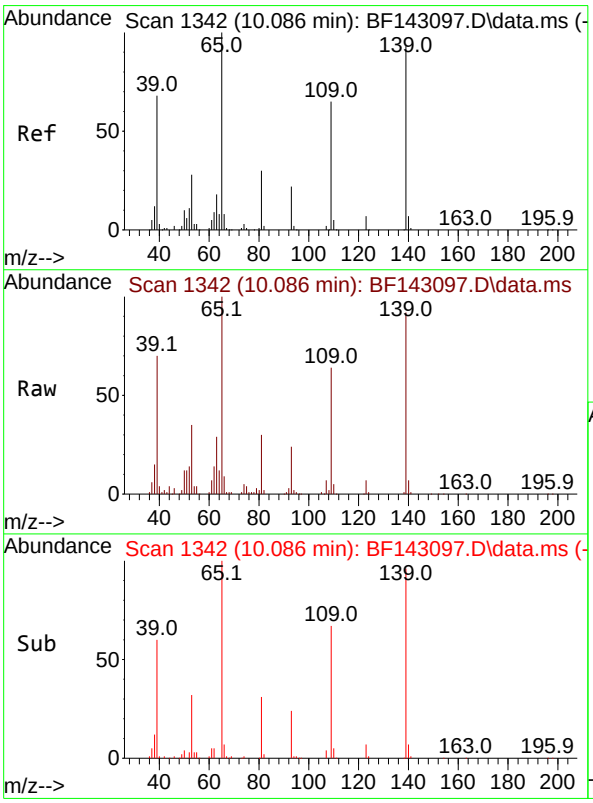
#55
Dibenzofuran
Concen: 39.524 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 772862

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.5	10.8	16.2

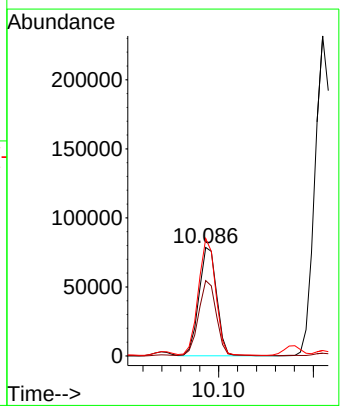


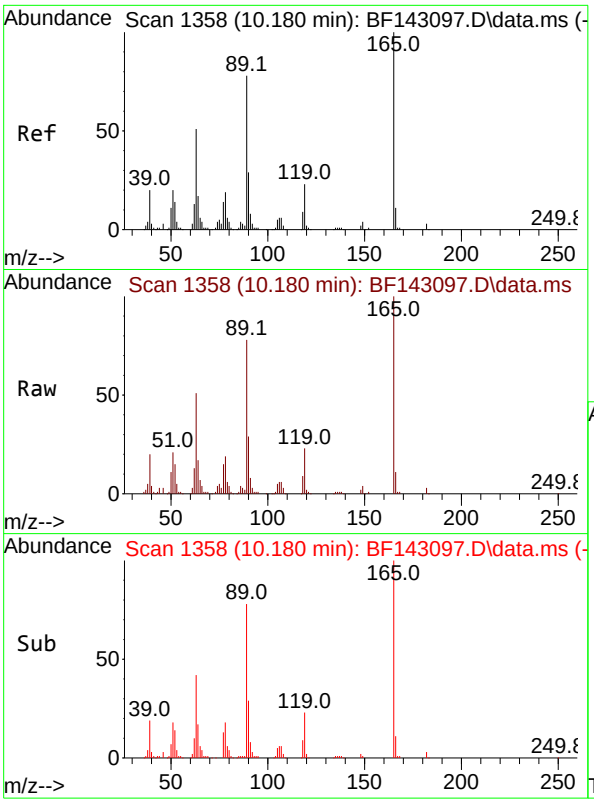


#56
4-Nitrophenol
Concen: 41.436 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:139 Resp: 101948

Ion	Ratio	Lower	Upper
139	100		
109	69.4	49.4	89.4
65	108.2	88.2	128.2



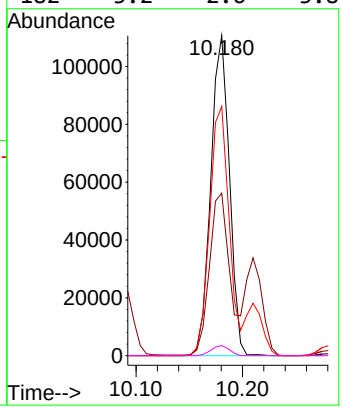


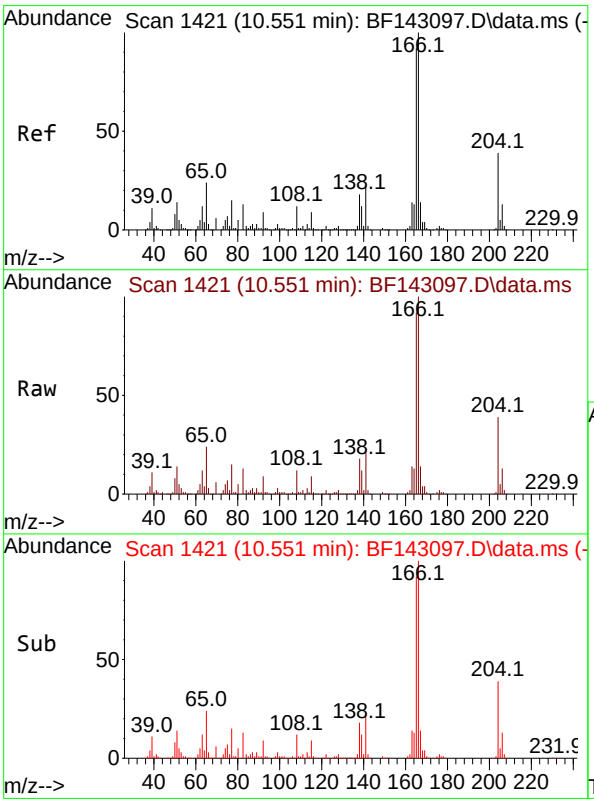
#57
2,4-Dinitrotoluene
Concen: 38.682 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 134243

Ion	Ratio	Lower	Upper
165	100		
63	50.8	40.6	61.0
89	77.9	62.3	93.5
182	3.2	2.6	3.8

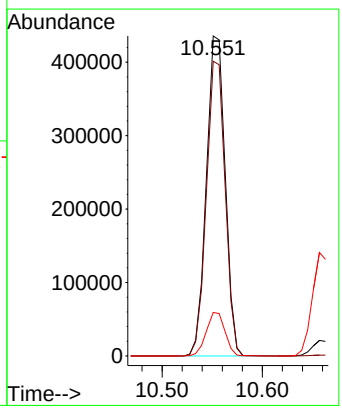


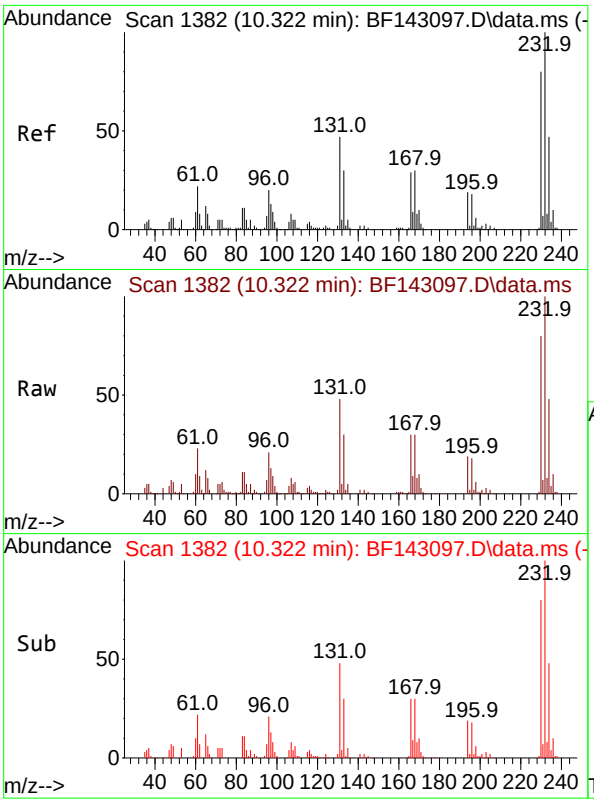


#58
Fluorene
Concen: 38.710 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:166 Resp: 567511

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.6	10.9	16.3



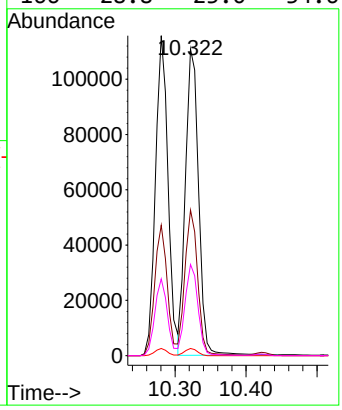


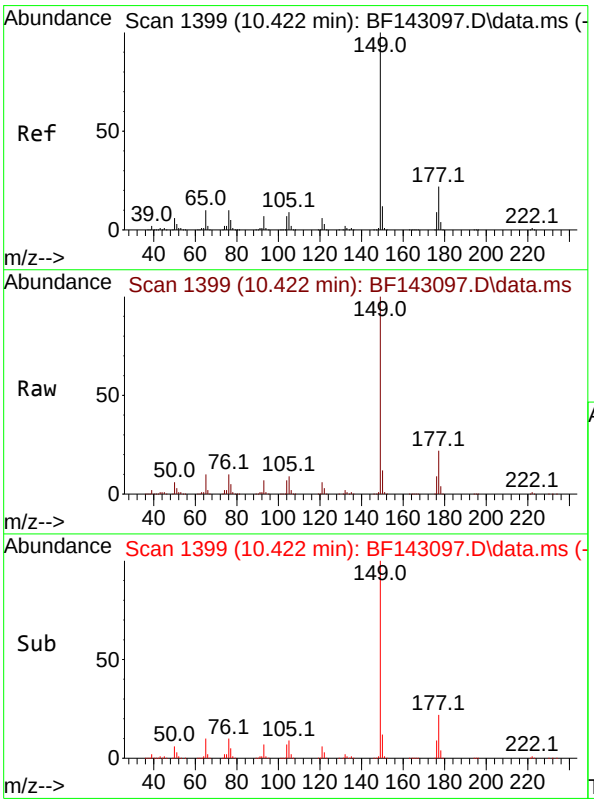
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.334 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 142027

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.9	55.3
130	2.3	1.8	2.8
166	28.8	23.0	34.6

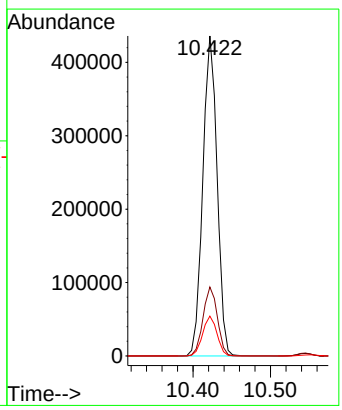


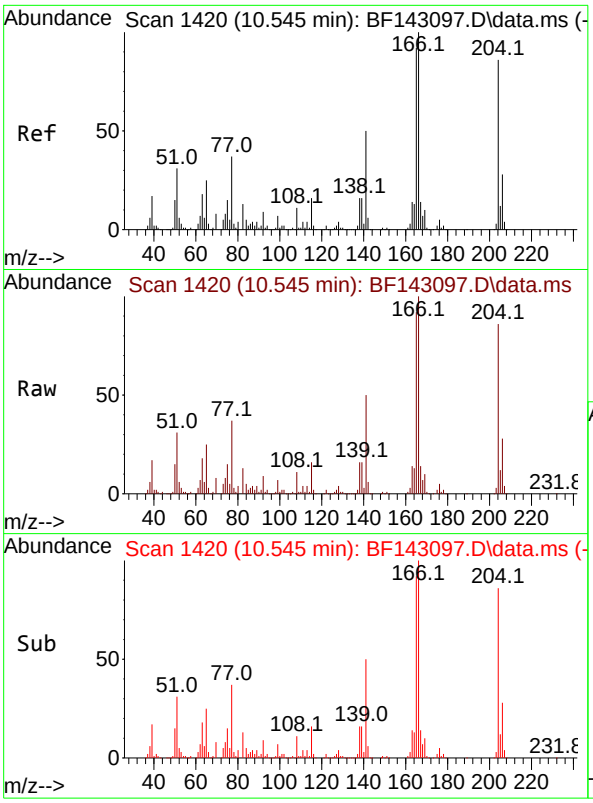


#60
Diethylphthalate
Concen: 40.349 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 557712

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.4	9.9	14.9



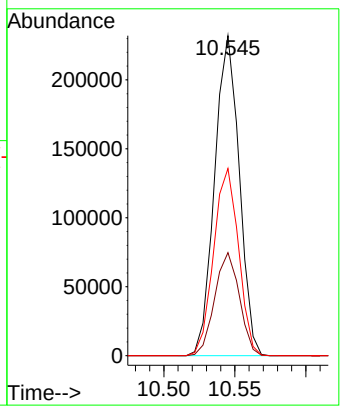


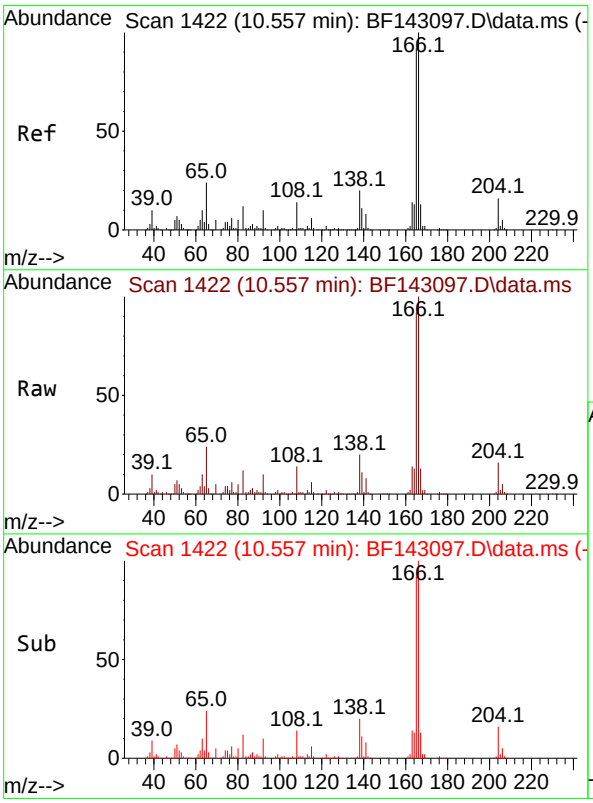
#61
4-Chlorophenyl-phenylether
Concen: 39.822 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 279817

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	58.5	46.8	70.2

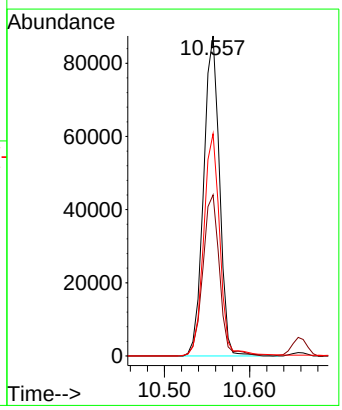


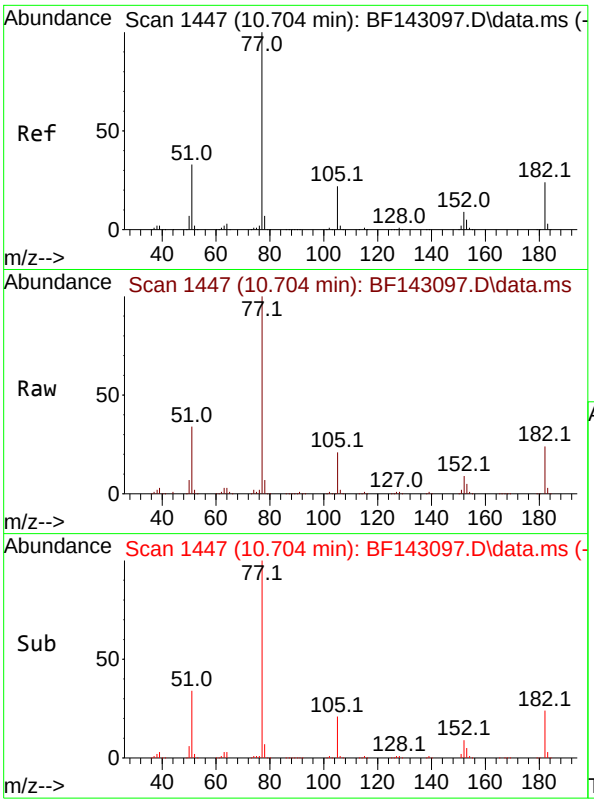


#62
4-Nitroaniline
Concen: 42.106 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:138 Resp: 113355

Ion	Ratio	Lower	Upper
138	100		
92	50.4	30.4	70.4
108	69.5	49.5	89.5



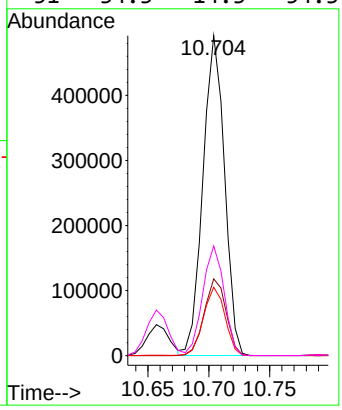


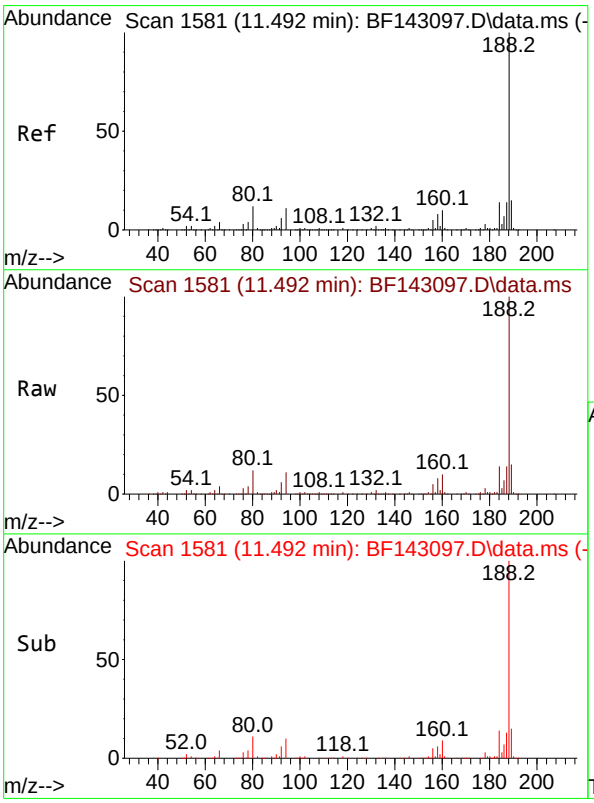
#63
Azobenzene
Concen: 39.558 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 604710

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.0	44.0
105	21.4	1.4	41.4
51	34.3	14.3	54.3

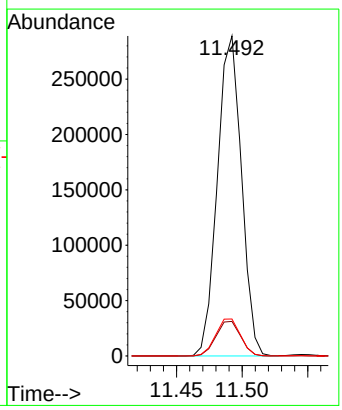


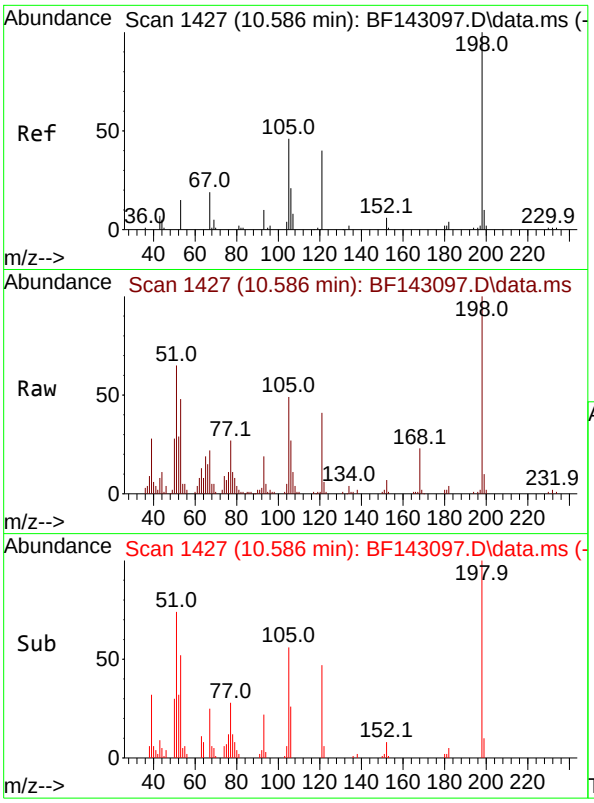


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:188 Resp: 369241

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.6	13.0
80	11.6	9.3	13.9



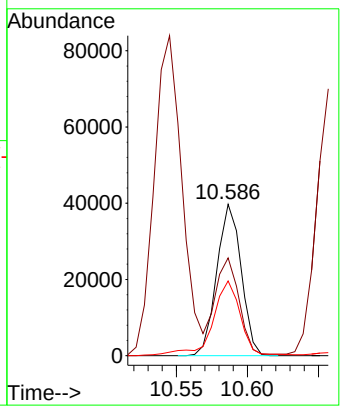


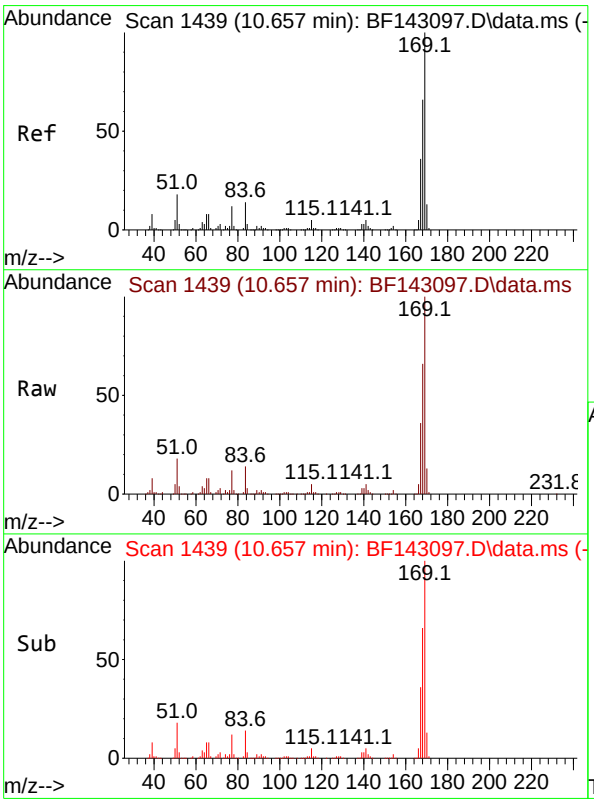
#65
4,6-Dinitro-2-methylphenol
Concen: 37.223 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 47349

Ion	Ratio	Lower	Upper
198	100		
51	64.6	44.6	84.6
105	49.3	29.3	69.3

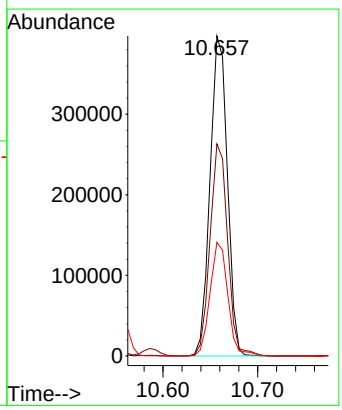


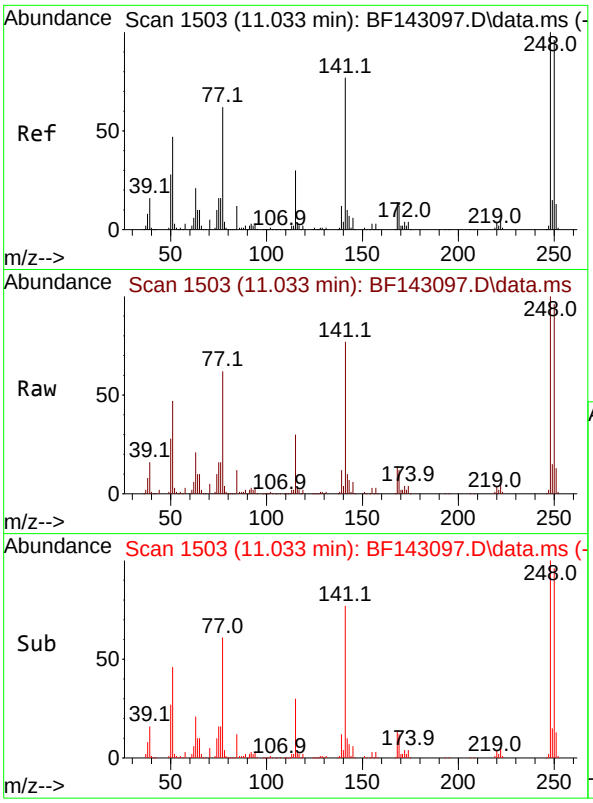


#66
n-Nitrosodiphenylamine
Concen: 38.827 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:169 Resp: 503590

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.0	79.6
167	35.5	28.4	42.6



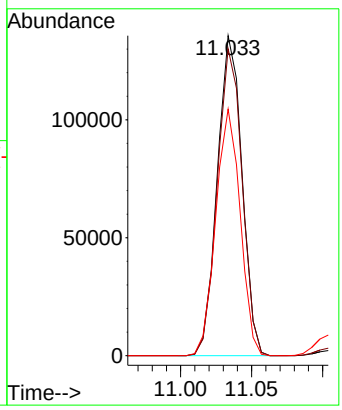


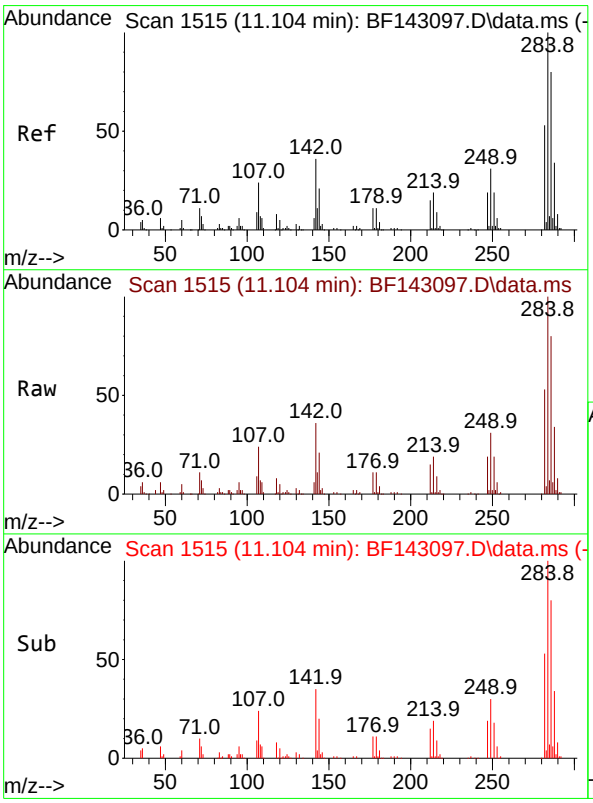
#67
4-Bromophenyl-phenylether
Concen: 39.088 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 164133

Ion	Ratio	Lower	Upper
248	100		
250	95.9	76.7	115.1
141	77.1	61.7	92.5

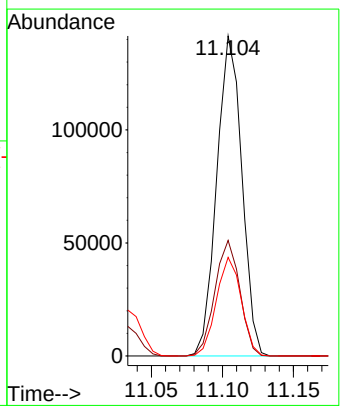


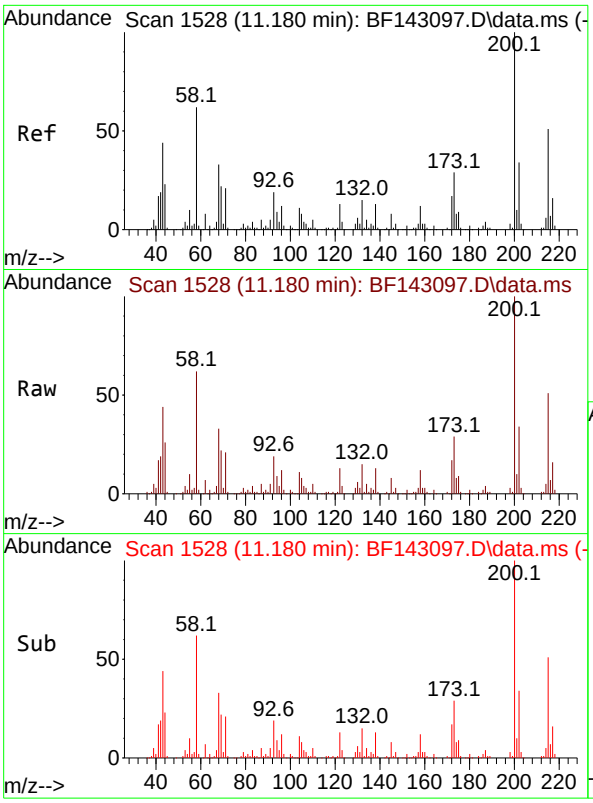


#68
Hexachlorobenzene
Concen: 39.034 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:284 Resp: 173911

Ion	Ratio	Lower	Upper
284	100		
142	36.1	28.9	43.3
249	30.8	24.6	37.0



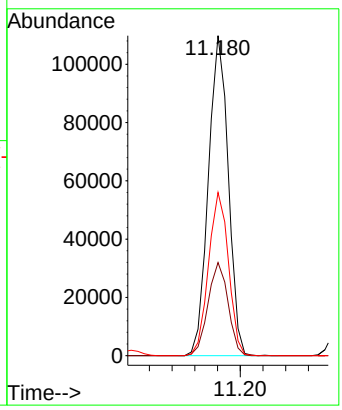


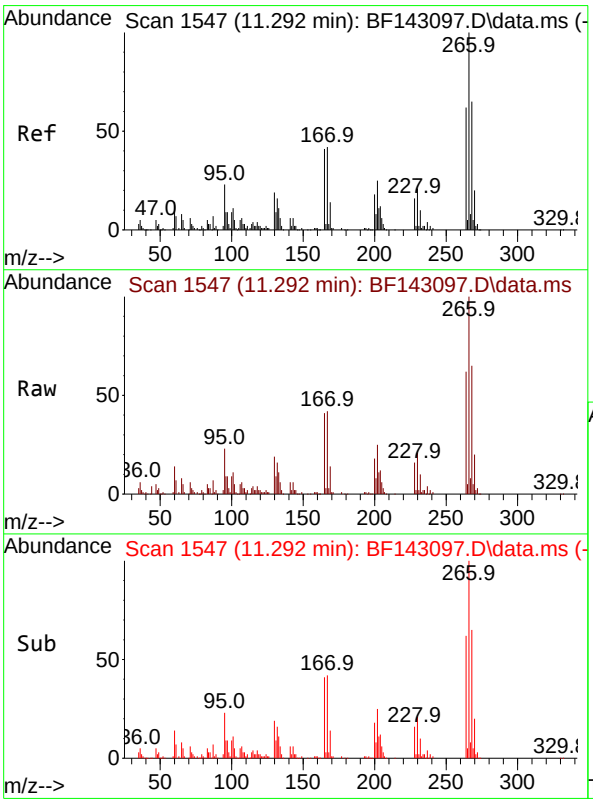
#69
Atrazine
Concen: 40.206 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 133416

Ion	Ratio	Lower	Upper
200	100		
173	29.1	9.1	49.1
215	51.0	31.0	71.0

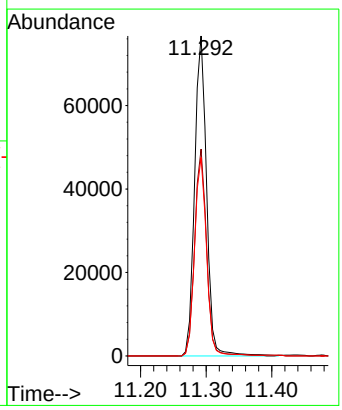


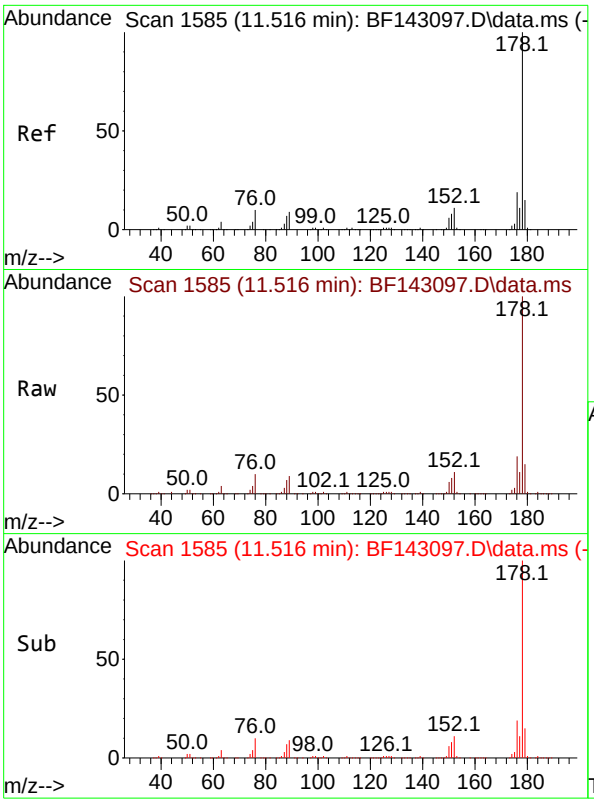


#70
Pentachlorophenol
Concen: 39.938 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:266 Resp: 97625

Ion	Ratio	Lower	Upper
266	100		
268	64.7	51.8	77.6
264	62.1	49.7	74.5



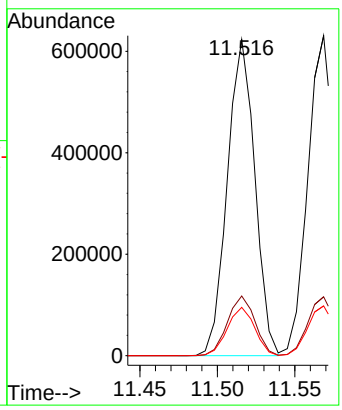


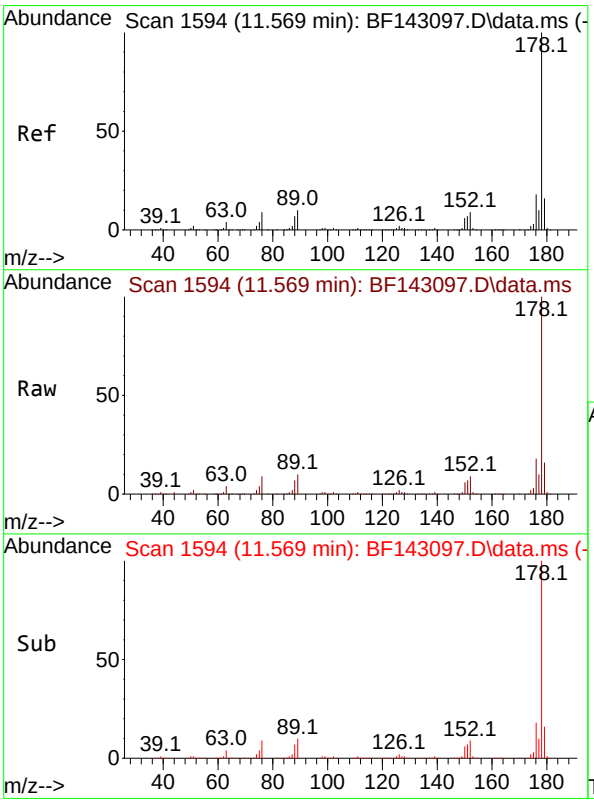
#71
Phenanthrene
Concen: 38.609 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 769372

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.3	12.2	18.4

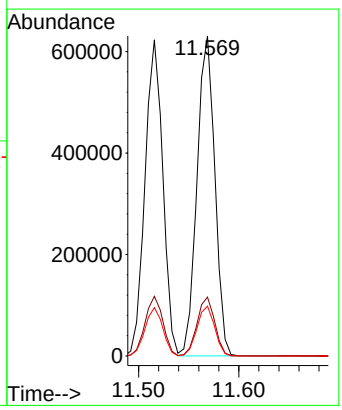


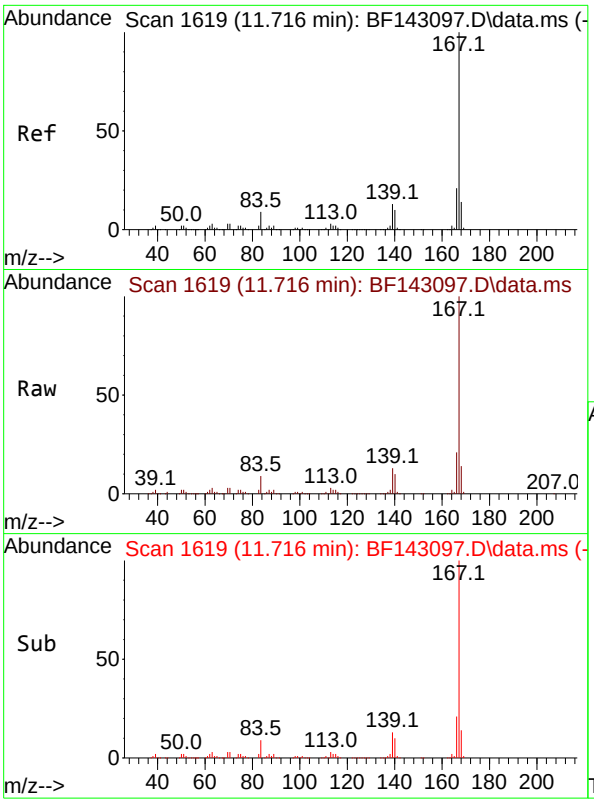


#72
Anthracene
Concen: 38.961 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:178 Resp: 780754

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.5	12.4	18.6



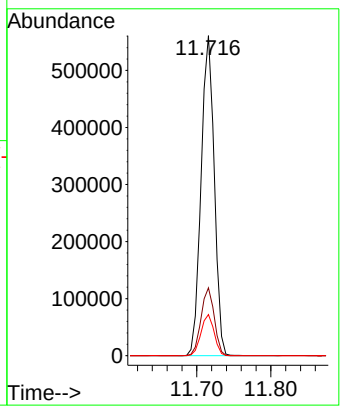


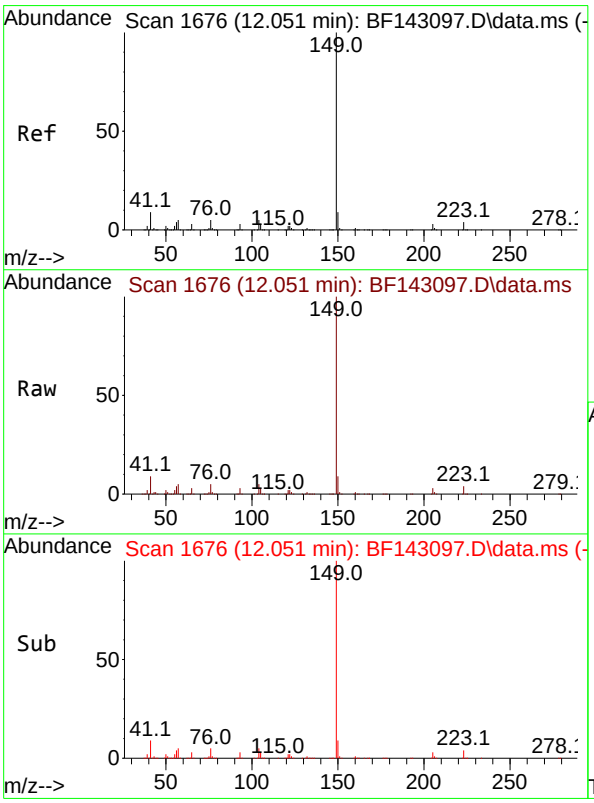
#73
Carbazole
Concen: 38.572 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 692468

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.4
139	12.8	10.2	15.4

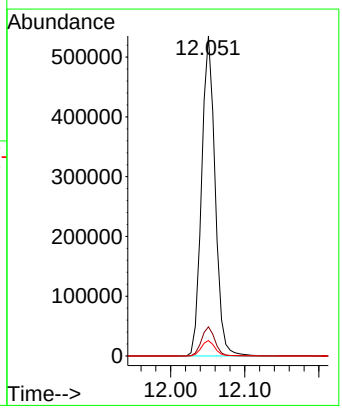


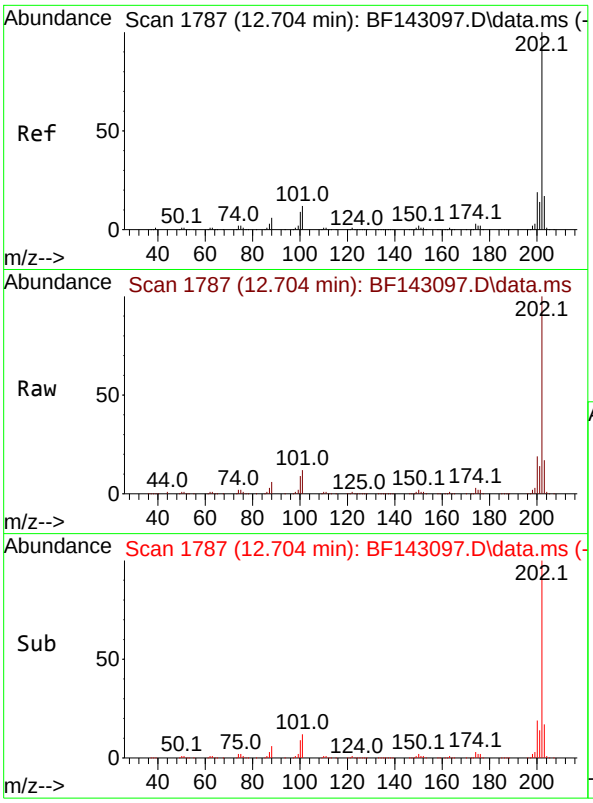


#74
Di-n-butylphthalate
Concen: 41.288 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 680394

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	4.8	3.8	5.8



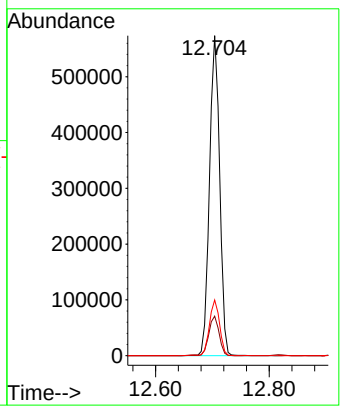


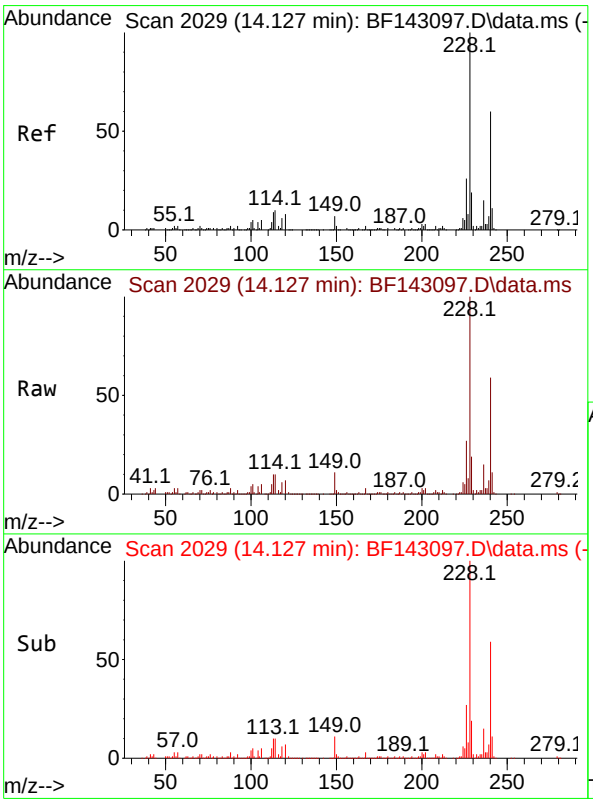
#75
Fluoranthene
Concen: 39.115 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 708736

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	32.4
203	17.4	0.0	37.4

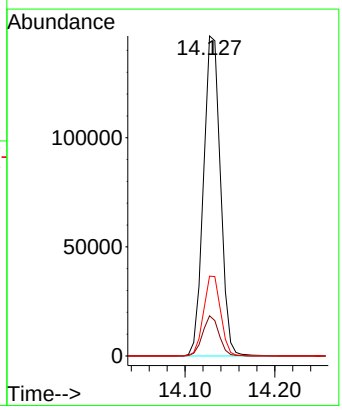


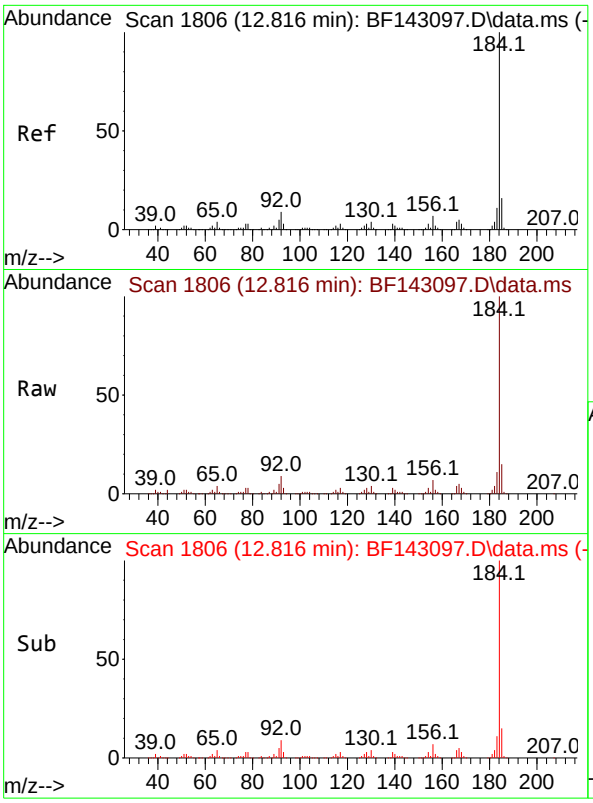


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:240 Resp: 192349

Ion	Ratio	Lower	Upper
240	100		
120	12.5	10.0	15.0
236	25.0	20.0	30.0



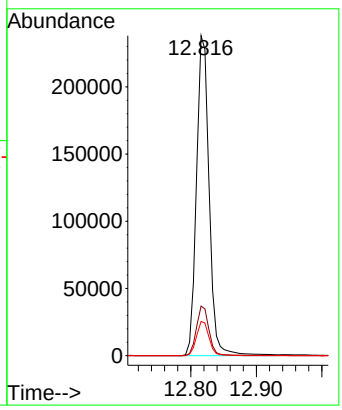


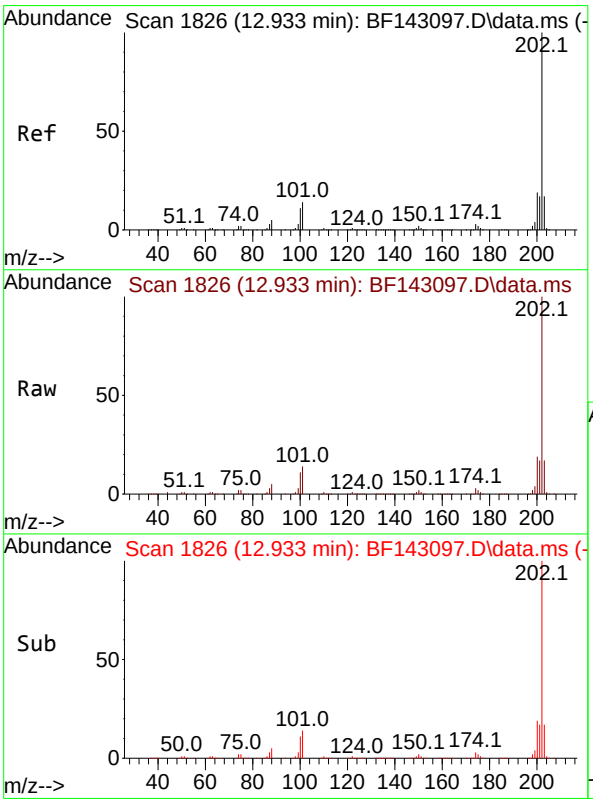
#77
Benzidine
Concen: 48.989 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 321029

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.4	18.6
183	10.7	8.6	12.8

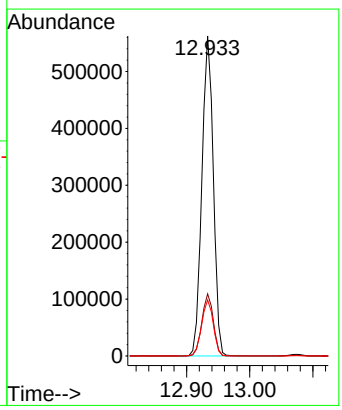


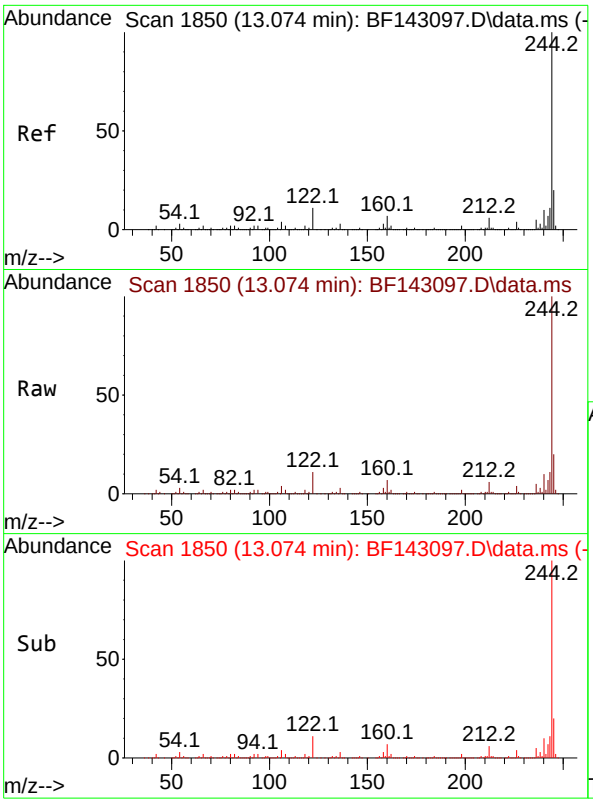


#78
Pyrene
Concen: 39.706 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:202 Resp: 708631

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.5	23.3
203	17.5	14.0	21.0



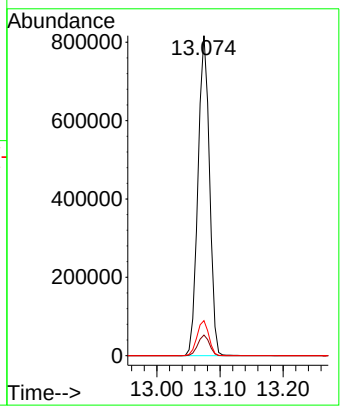


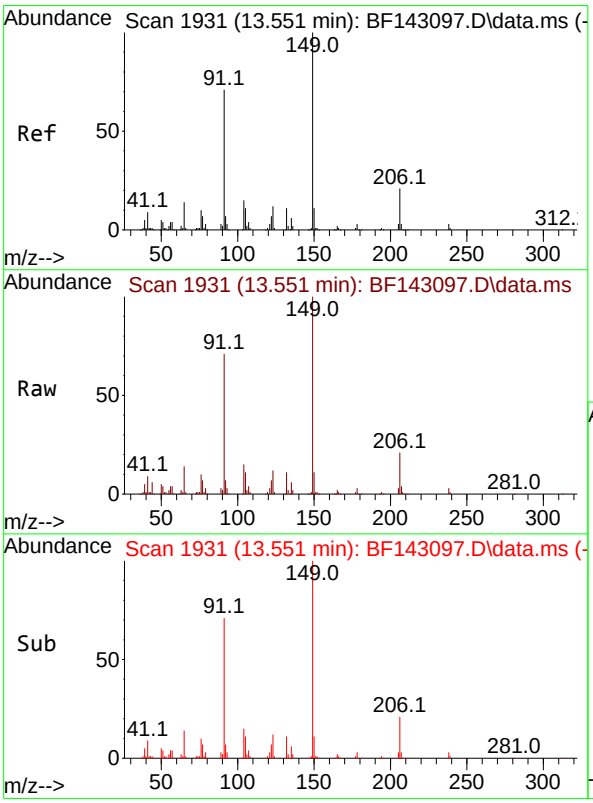
#79
Terphenyl-d14
Concen: 78.547 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1033540

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.0	8.8	13.2

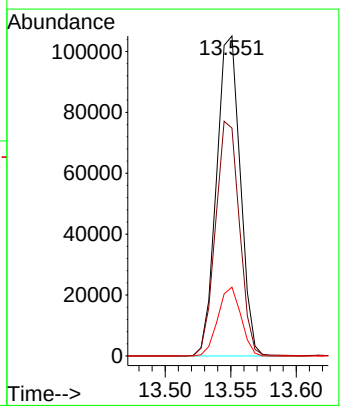


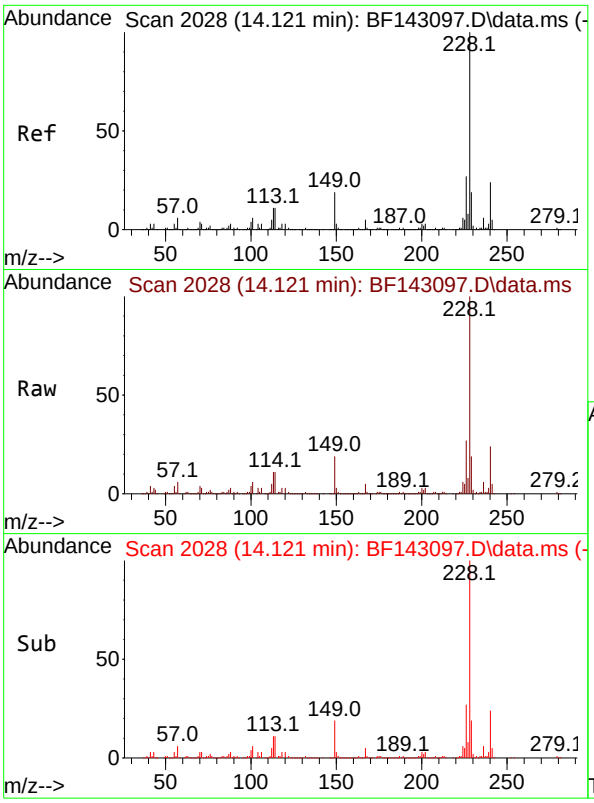


#80
Butylbenzylphthalate
Concen: 37.625 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 132061

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.0	85.4
206	21.5	17.2	25.8



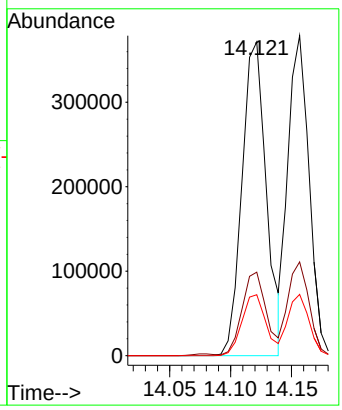


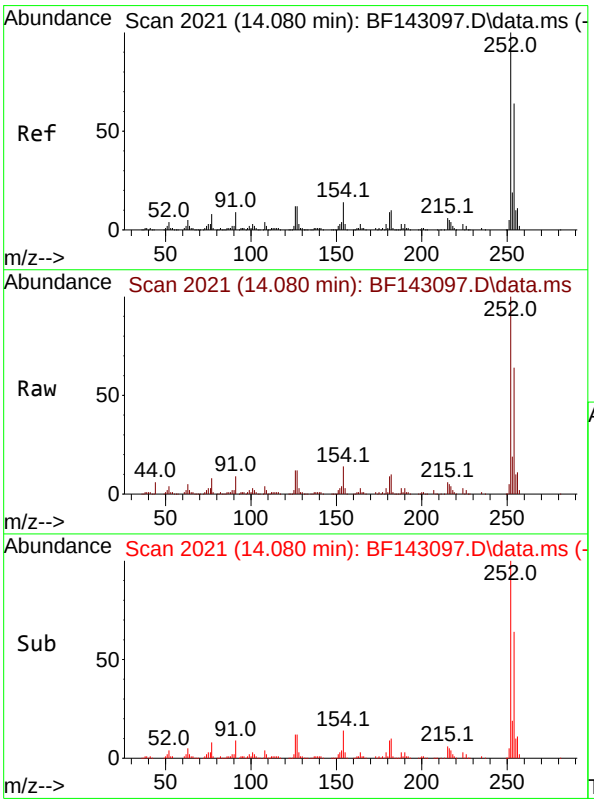
#81
Benzo(a)anthracene
Concen: 40.424 ng
RT: 14.121 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 518137

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	19.4	15.5	23.3

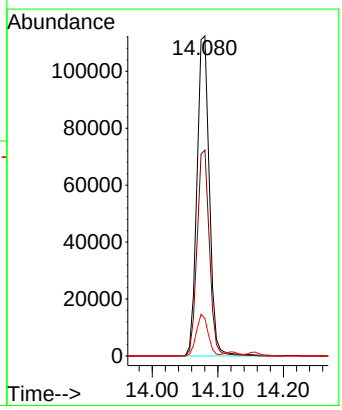


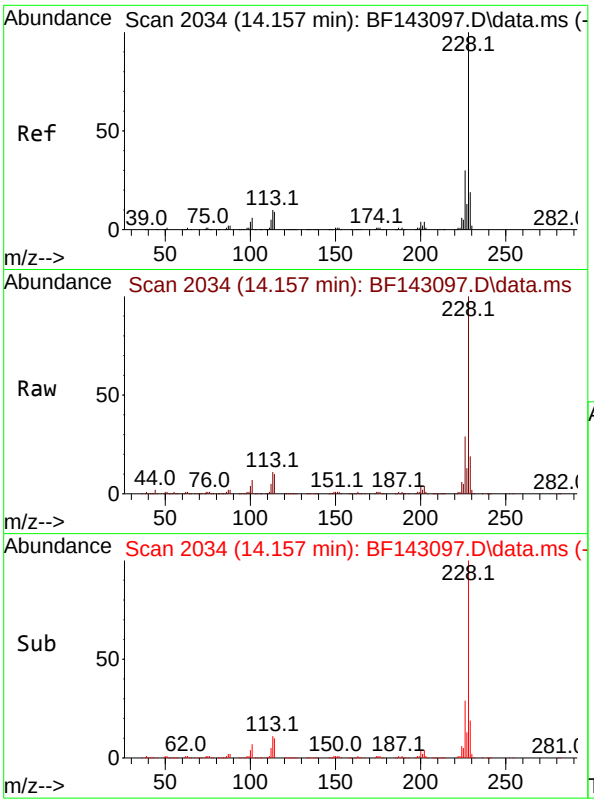


#82
3,3'-Dichlorobenzidine
Concen: 39.841 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 148294

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	11.7	9.4	14.0



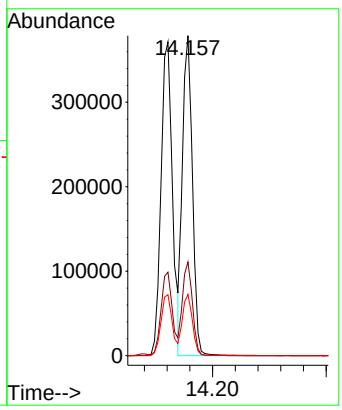


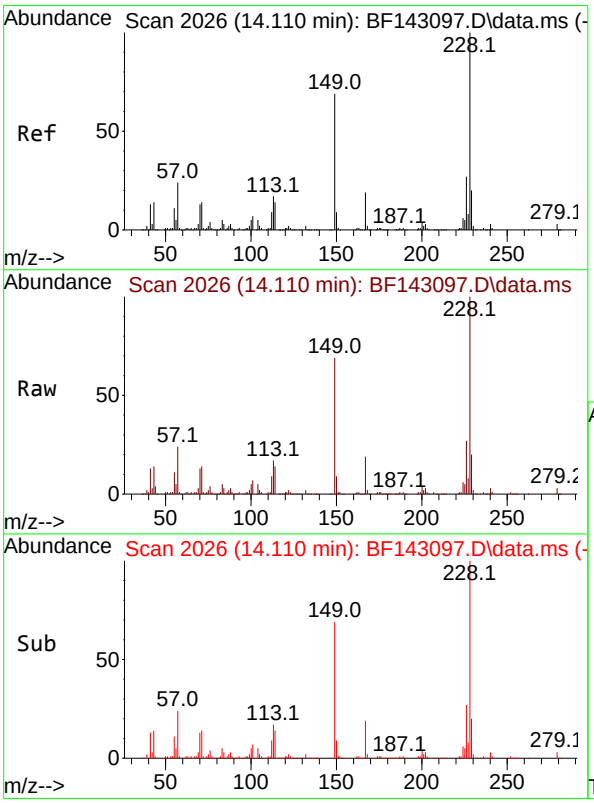
#83
Chrysene
Concen: 39.134 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 461979

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.4	35.2
229	19.1	15.3	22.9

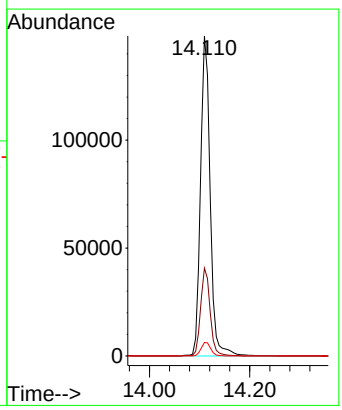


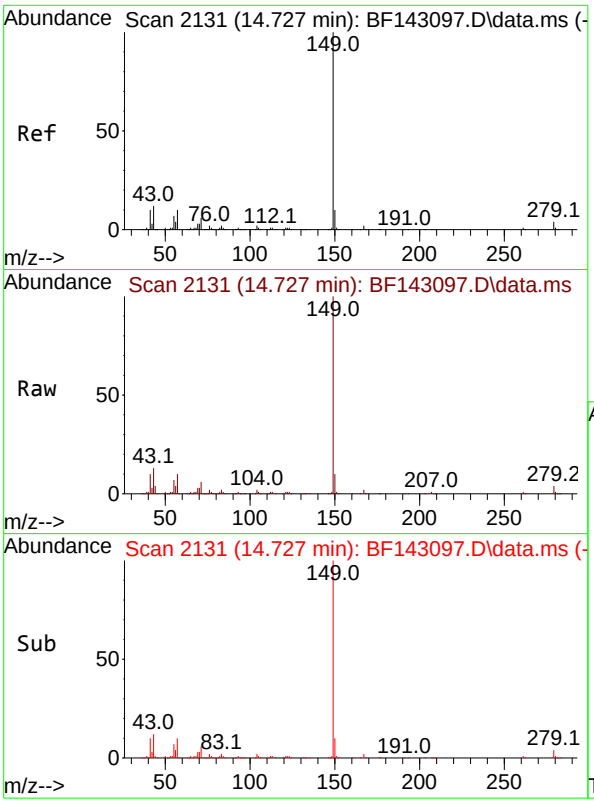


#84
Bis(2-ethylhexyl)phthalate
Concen: 37.454 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:149 Resp: 198176

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.2	3.4	5.0



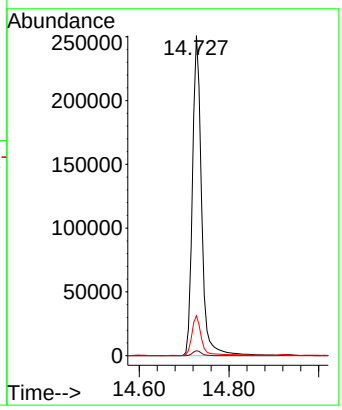


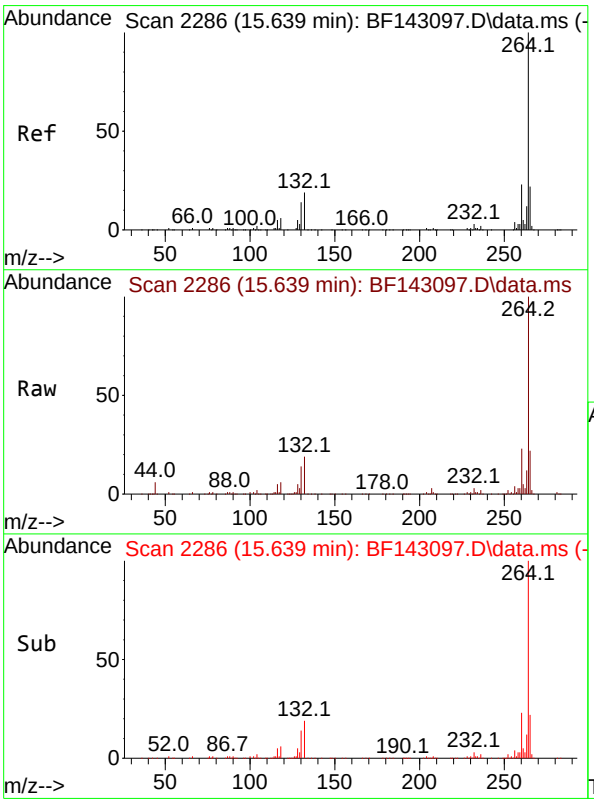
#85
Di-n-octyl phthalate
Concen: 36.531 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 354747

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	13.3	10.6	16.0

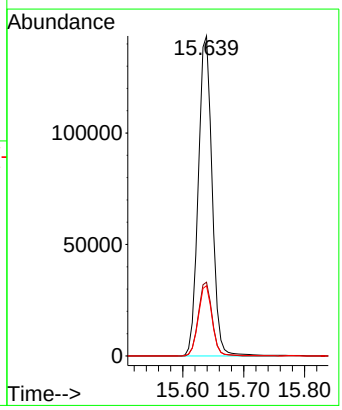


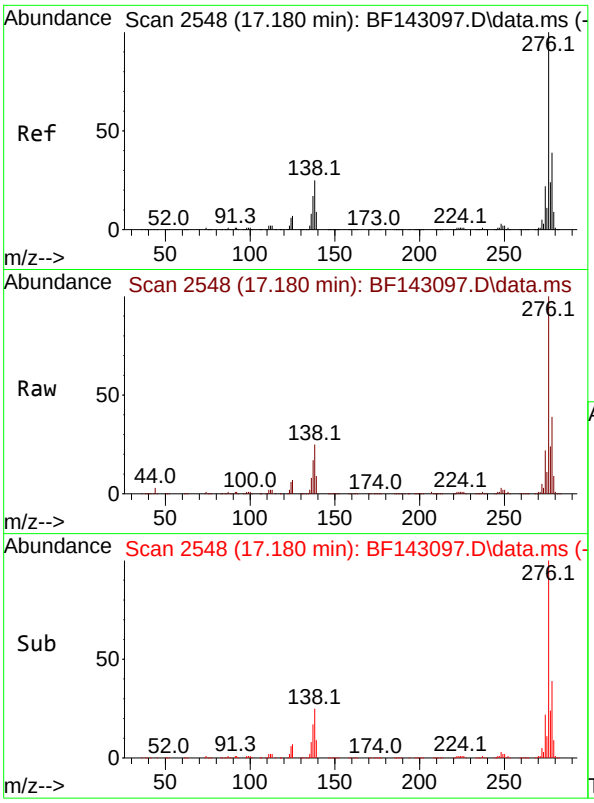


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:264 Resp: 226517

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.9	17.5	26.3



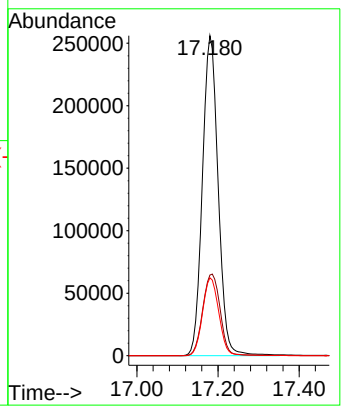


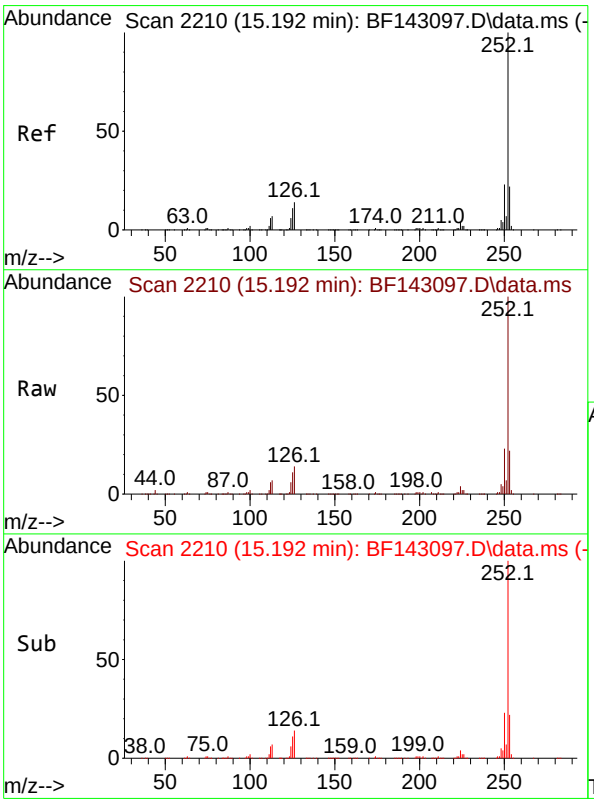
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.912 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 689277

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.6	34.0
277	25.2	20.2	30.2

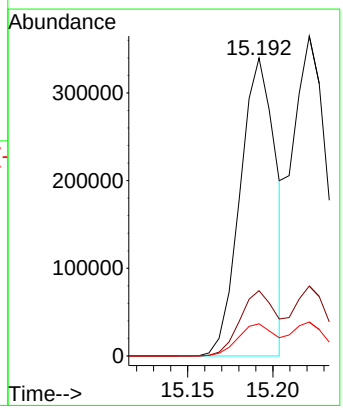


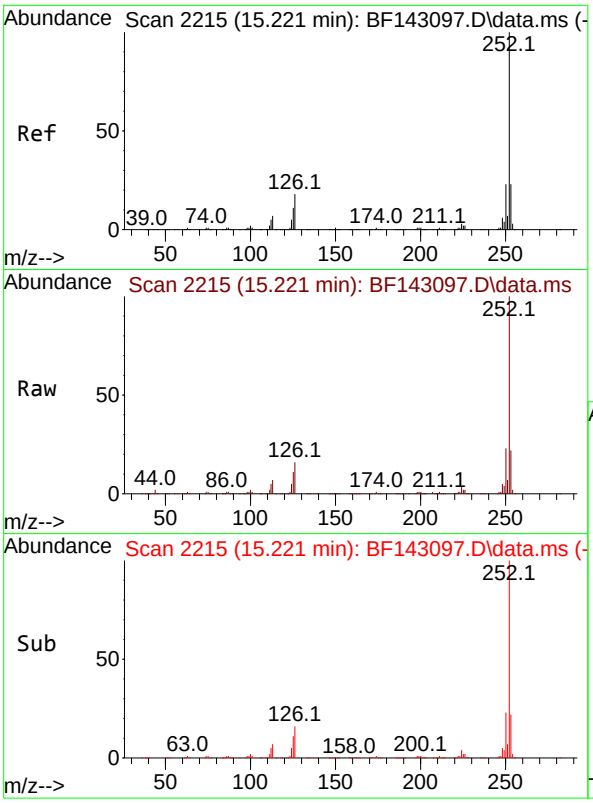


#88
Benzo(b)fluoranthene
Concen: 37.520 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 490240

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.8	8.6	13.0



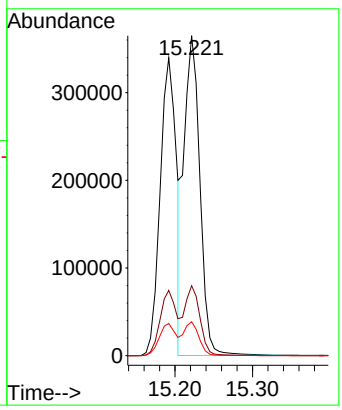


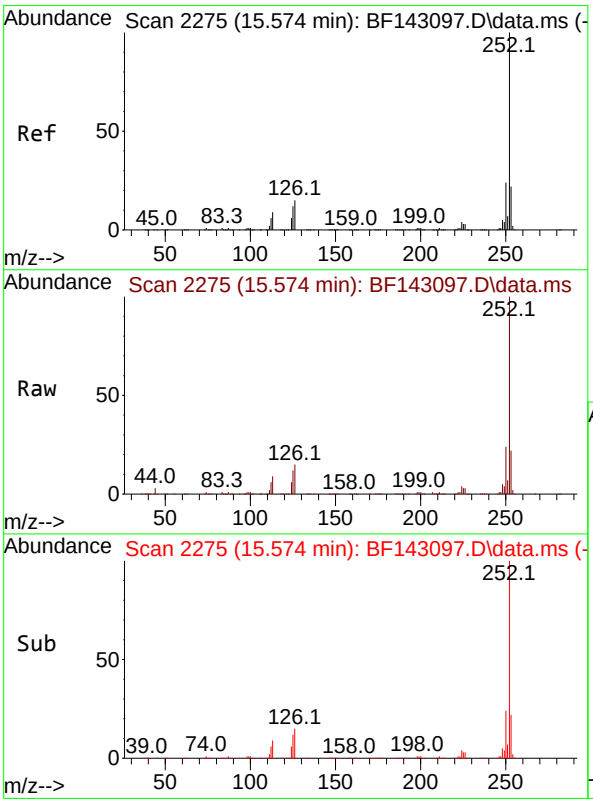
#89
Benzo(k)fluoranthene
Concen: 41.721 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 520058

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.6	8.5	12.7

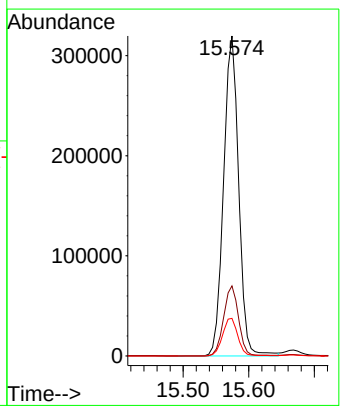


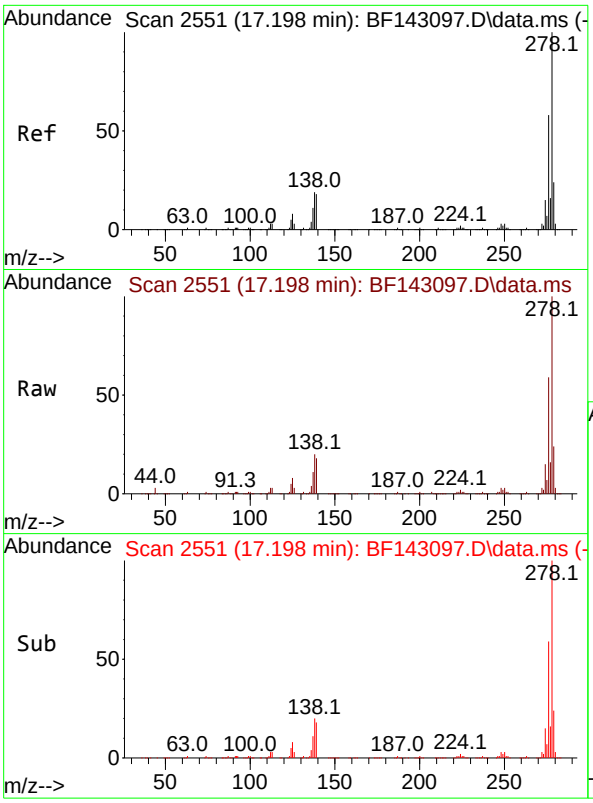


#90
Benzo(a)pyrene
Concen: 41.215 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:252 Resp: 509307

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	11.7	9.4	14.0



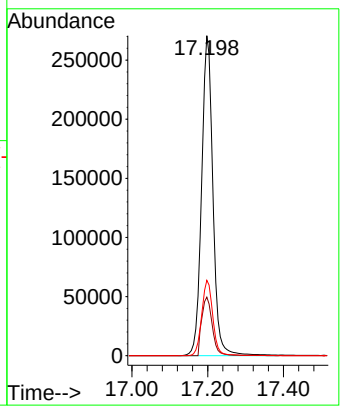


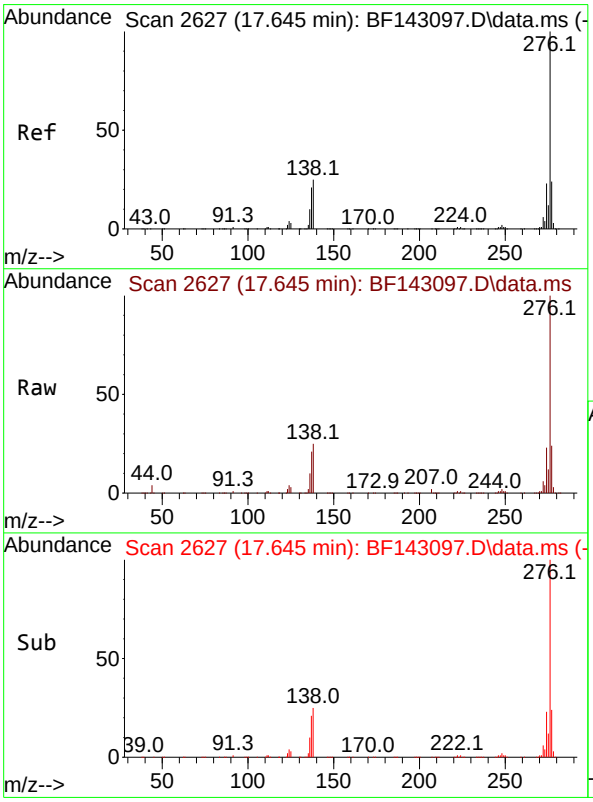
#91
Dibenzo(a,h)anthracene
Concen: 40.782 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 561661

Ion	Ratio	Lower	Upper
278	100		
139	18.3	14.6	22.0
279	23.5	18.8	28.2

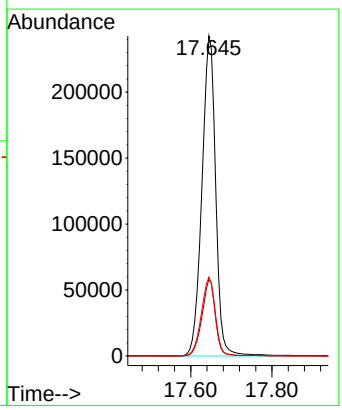




#92
Benzo(g,h,i)perylene
Concen: 40.584 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.000 min
Lab File: BF143097.D
Acq: 15 Jul 2025 15:05

Tgt Ion:276 Resp: 569850

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	24.7	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	119035	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	456501	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	223126	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	354075	20.000	ng	0.00
76) Chrysene-d12	14.127	240	183692	20.000	ng	0.00
86) Perylene-d12	15.633	264	221502	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	776953	103.124	ng	0.00
7) Phenol-d6	6.587	99	978105	103.280	ng	0.00
23) Nitrobenzene-d5	7.528	82	911721	112.035	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	227678	114.439	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1628659	97.028	ng	0.00
79) Terphenyl-d14	13.075	244	1271626	101.195	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.811	88	196652	52.435	ng	99
3) Pyridine	3.581	79	500208	52.670	ng	99
4) n-Nitrosodimethylamine	3.528	42	261539	53.153	ng	100
6) Aniline	6.628	93	699680	52.465	ng	100
8) 2-Chlorophenol	6.751	128	405741	53.601	ng	100
9) Benzaldehyde	6.516	77	431994	59.864	ng	98
10) Phenol	6.598	94	566269	55.233	ng	97
11) bis(2-Chloroethyl)ether	6.698	93	408091	51.417	ng	98
12) 1,3-Dichlorobenzene	6.910	146	437876	51.203	ng	99
13) 1,4-Dichlorobenzene	6.987	146	441012	51.260	ng	100
14) 1,2-Dichlorobenzene	7.140	146	421724	51.401	ng	98
15) Benzyl Alcohol	7.104	79	373560	53.234	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	748892	51.187	ng	100
17) 2-Methylphenol	7.210	107	342357	52.409	ng	99
18) Hexachloroethane	7.487	117	148761	53.114	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	302685	52.169	ng	99
20) 3+4-Methylphenols	7.363	107	422794	52.776	ng	93
22) Acetophenone	7.375	105	549763	49.959	ng	97
24) Nitrobenzene	7.545	77	439273	55.918	ng	100
25) Isophorone	7.787	82	819274	52.088	ng	100
26) 2-Nitrophenol	7.863	139	160386	50.837	ng	99
27) 2,4-Dimethylphenol	7.893	122	379432	51.976	ng	100
28) bis(2-Chloroethoxy)met...	7.993	93	483608	50.704	ng	99
29) 2,4-Dichlorophenol	8.098	162	319968	53.575	ng	99
30) 1,2,4-Trichlorobenzene	8.193	180	345389	50.958	ng	99
31) Naphthalene	8.275	128	1126659	49.700	ng	100
32) Benzoic acid	7.998	122	180966	49.535	ng	98
33) 4-Chloroaniline	8.310	127	467074	51.237	ng	99
34) Hexachlorobutadiene	8.392	225	207797	51.263	ng	98
35) Caprolactam	8.681	113	99144	53.162	ng	96
36) 4-Chloro-3-methylphenol	8.787	107	350906	52.746	ng	98
37) 2-Methylnaphthalene	8.963	142	681726	50.410	ng	99
38) 1-Methylnaphthalene	9.063	142	701548	50.016	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	335206	51.551	ng	100
41) Hexachlorocyclopentadiene	9.122	237	198811	55.147	ng	98
43) 2,4,6-Trichlorophenol	9.234	196	223131	55.226	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

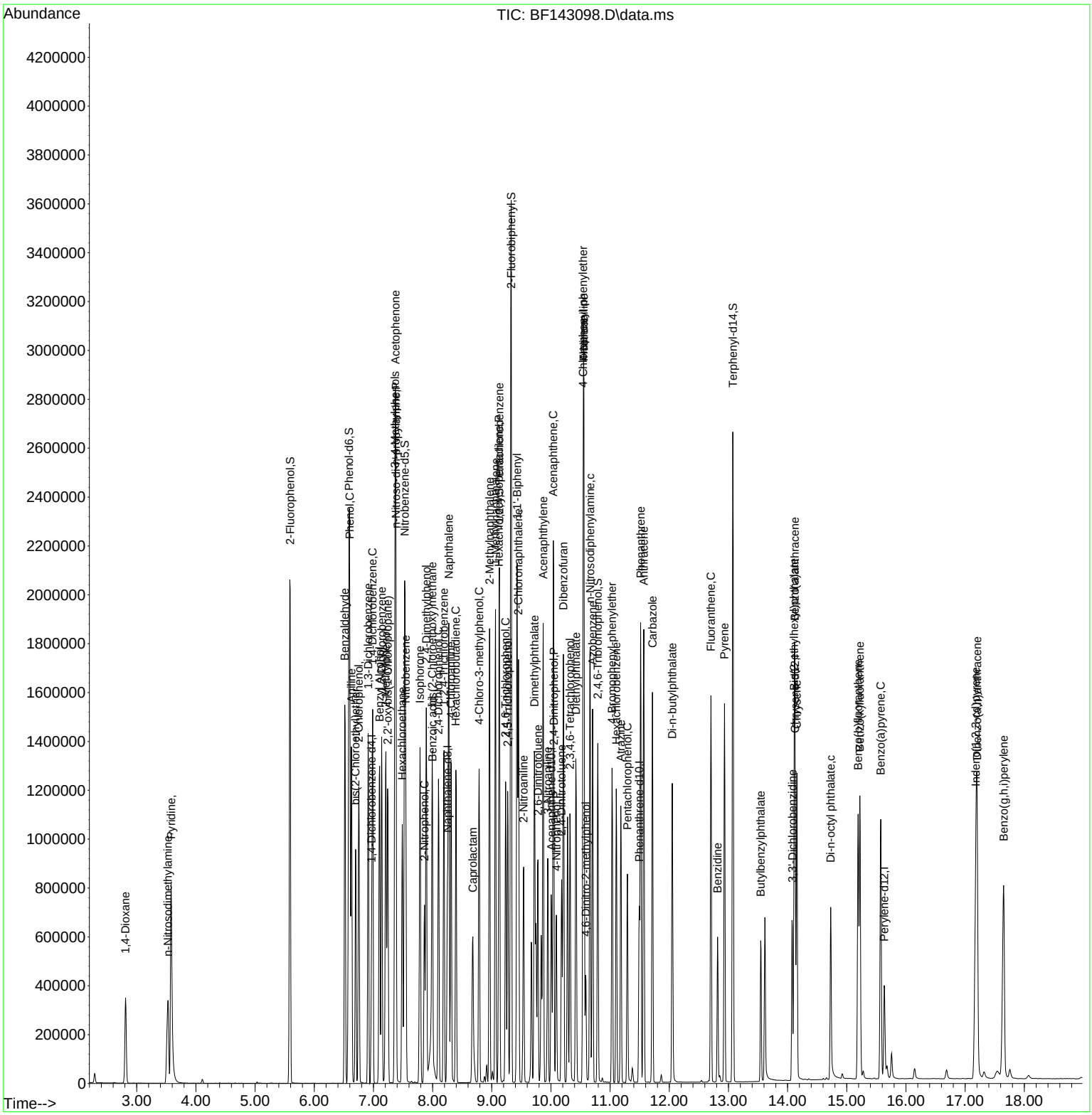
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	232905	54.977	ng		99
46) 1,1'-Biphenyl	9.428	154	897834	50.458	ng		100
47) 2-Chloronaphthalene	9.451	162	666760	51.007	ng		100
48) 2-Nitroaniline	9.539	65	207291	52.775	ng		98
49) Acenaphthylene	9.869	152	1109586	50.940	ng		99
50) Dimethylphthalate	9.722	163	726121	51.728	ng		100
51) 2,6-Dinitrotoluene	9.781	165	146385	52.497	ng		92
52) Acenaphthene	10.039	154	651291	50.669	ng		100
53) 3-Nitroaniline	9.945	138	177602	58.553	ng		99
54) 2,4-Dinitrophenol	10.051	184	47800	51.931	ng	#	1
55) Dibenzofuran	10.210	168	964545	50.344	ng		100
56) 4-Nitrophenol	10.092	139	133073	55.203	ng		98
57) 2,4-Dinitrotoluene	10.181	165	181610	52.116	ng		99
58) Fluorene	10.557	166	716173	49.859	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	189211	56.202	ng		98
60) Diethylphthalate	10.422	149	702995	51.909	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	348876	50.675	ng		99
62) 4-Nitroaniline	10.557	138	150470	57.045	ng		99
63) Azobenzene	10.704	77	770603	51.451	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	70324	51.847	ng		92
66) n-Nitrosodiphenylamine	10.663	169	634539	51.019	ng		100
67) 4-Bromophenyl-phenylether	11.034	248	211371	52.494	ng		99
68) Hexachlorobenzene	11.104	284	221245	51.785	ng		98
69) Atrazine	11.181	200	172972	54.359	ng		98
70) Pentachlorophenol	11.292	266	131545	56.120	ng		99
71) Phenanthrene	11.516	178	963568	50.425	ng		100
72) Anthracene	11.569	178	979118	50.953	ng		99
73) Carbazole	11.716	167	883827	51.340	ng		100
74) Di-n-butylphthalate	12.051	149	870362	55.079	ng		100
75) Fluoranthene	12.704	202	883558	50.852	ng		100
77) Benzidine	12.816	184	309313	49.425	ng		99
78) Pyrene	12.933	202	880826	51.681	ng		99
80) Butylbenzylphthalate	13.545	149	176615	51.324	ng		96
81) Benzo(a)anthracene	14.122	228	644353	52.641	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	196472	55.273	ng		100
83) Chrysene	14.157	228	583302	51.740	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	265225	51.119	ng		99
85) Di-n-octyl phthalate	14.727	149	492840	50.100	ng		99
87) Indeno(1,2,3-cd)pyrene	17.180	276	896872	54.440	ng		100
88) Benzo(b)fluoranthene	15.192	252	718106	56.204	ng		100
89) Benzo(k)fluoranthene	15.221	252	602261	49.410	ng		100
90) Benzo(a)pyrene	15.574	252	662193	54.800	ng		99
91) Dibenzo(a,h)anthracene	17.204	278	736672	54.700	ng		99
92) Benzo(g,h,i)perylene	17.651	276	746789	54.390	ng		98

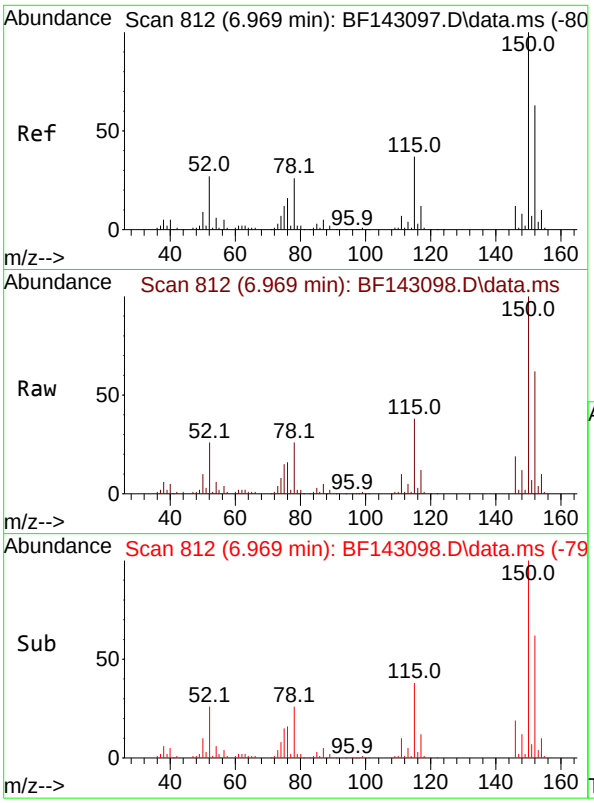
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143098.D
Acq On : 15 Jul 2025 15:35
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 15 17:41:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



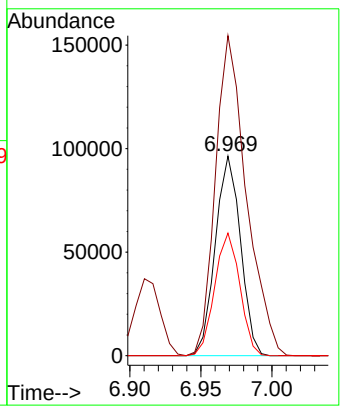


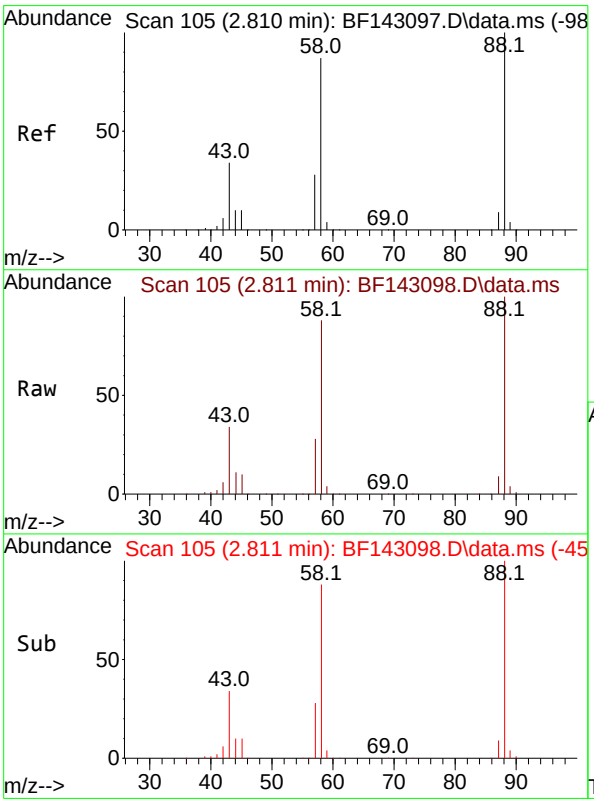
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 119035

Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.5	189.7
115	61.5	47.0	70.6

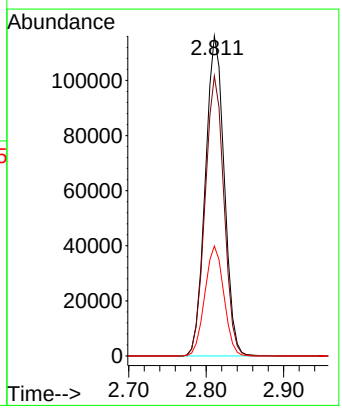


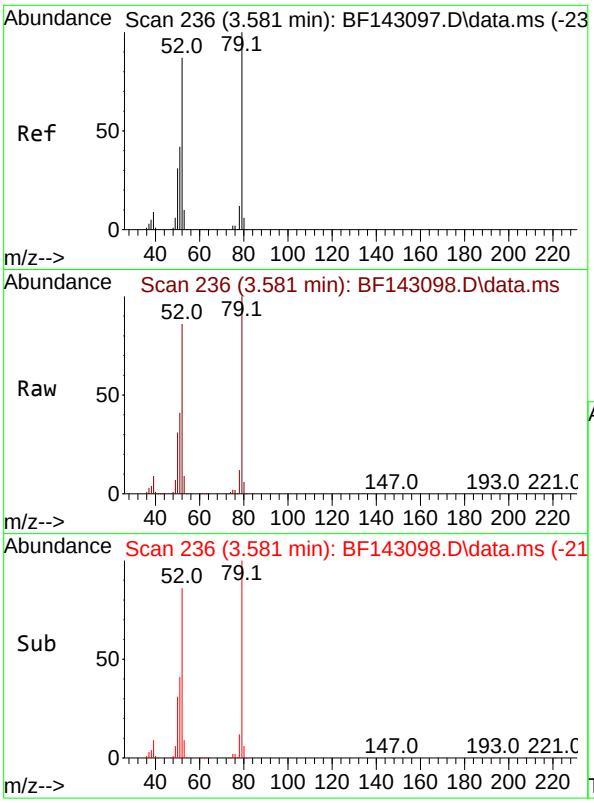


#2
1,4-Dioxane
Concen: 52.435 ng
RT: 2.811 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 88 Resp: 196652

Ion	Ratio	Lower	Upper
88	100		
58	87.3	70.5	105.7
43	34.6	27.3	40.9



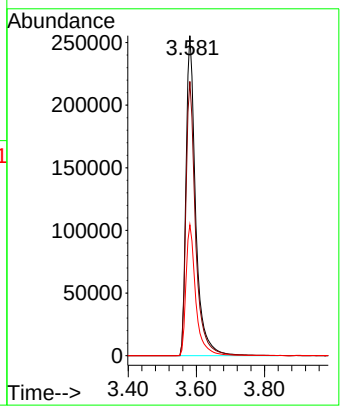


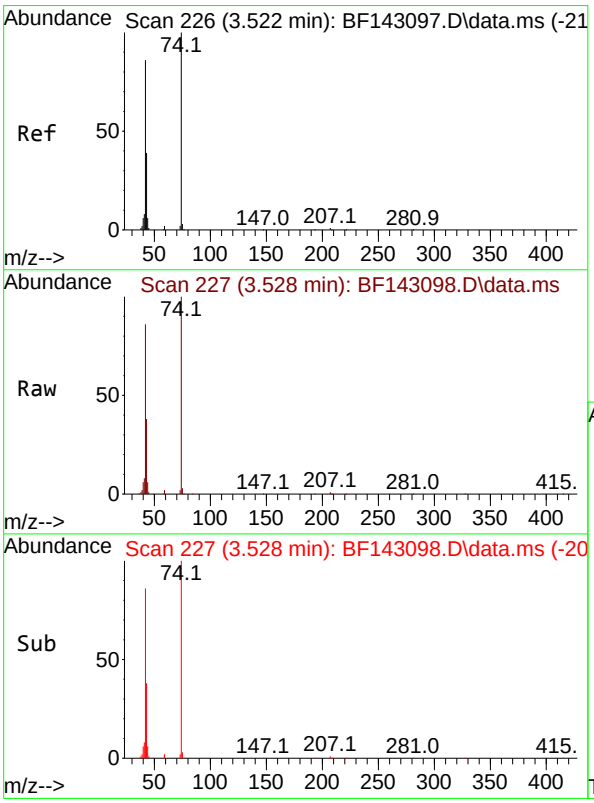
#3
Pyridine
Concen: 52.670 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 500208

Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.2	103.8
51	40.9	33.3	49.9

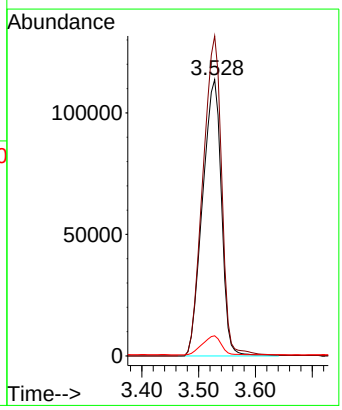


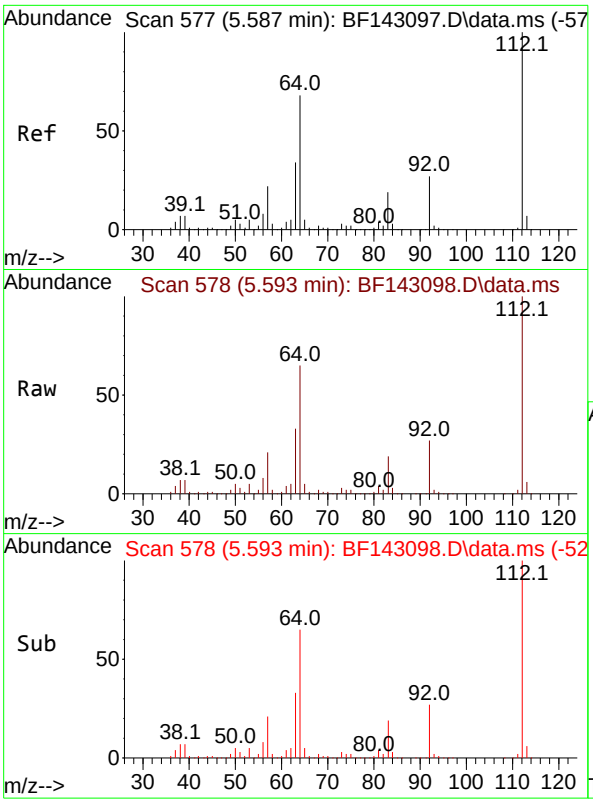


#4
n-Nitrosodimethylamine
Concen: 53.153 ng
RT: 3.528 min Scan# 227
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 42 Resp: 261539

Ion	Ratio	Lower	Upper
42	100		
74	115.8	92.8	139.2
44	7.3	5.8	8.6



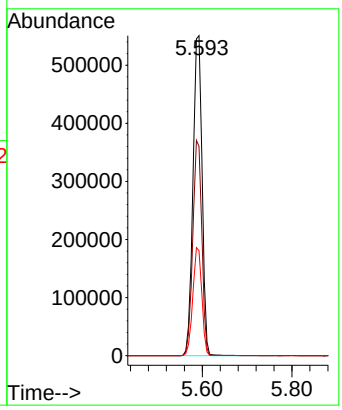


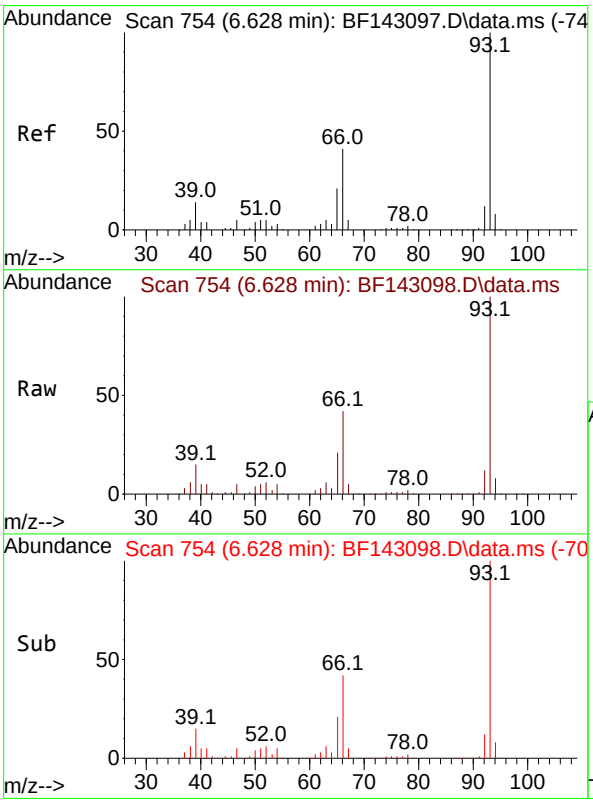
#5
2-Fluorophenol
Concen: 103.124 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 776953

Ion	Ratio	Lower	Upper
112	100		
64	65.4	54.6	82.0
63	32.8	27.3	40.9

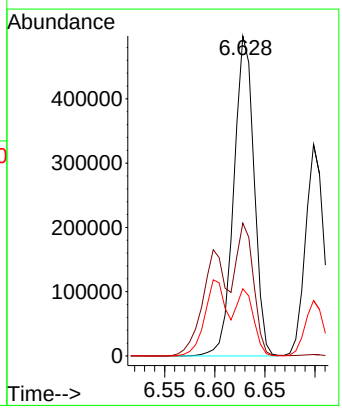


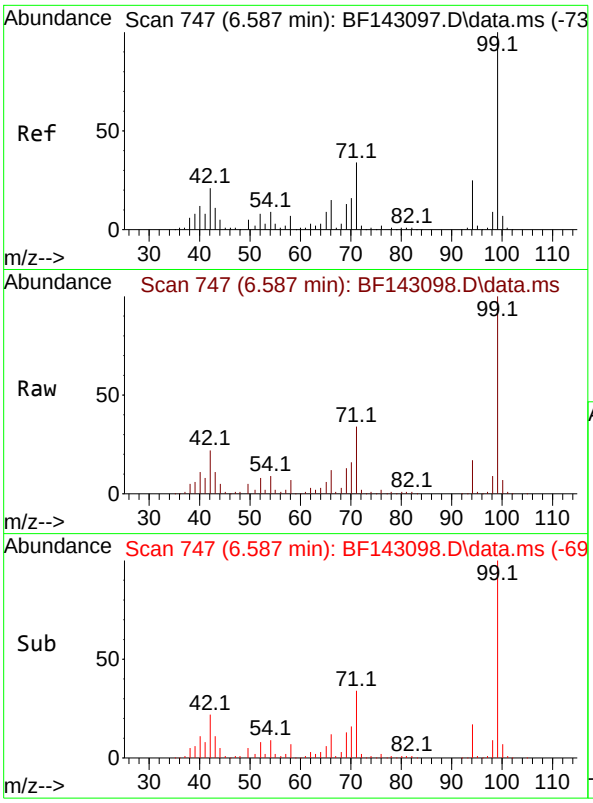


#6
Aniline
Concen: 52.465 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 699680

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.1	49.7
65	21.0	16.9	25.3



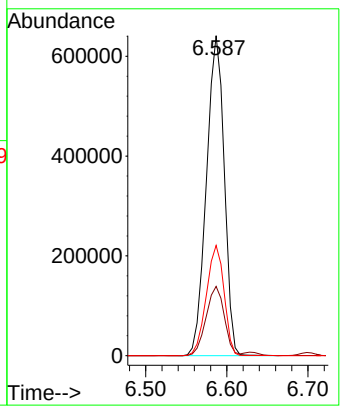


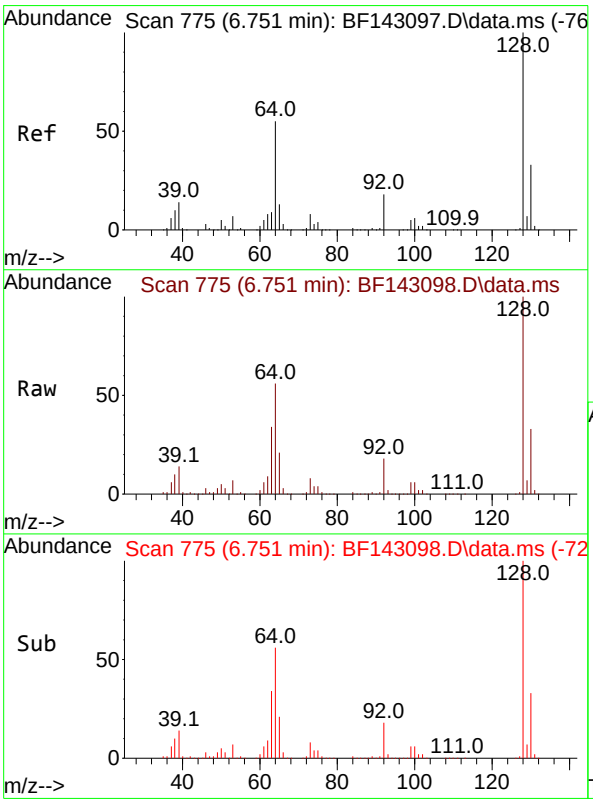
#7
Phenol-d6
Concen: 103.280 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 978105

Ion	Ratio	Lower	Upper
99	100		
42	21.7	17.2	25.8
71	34.4	27.4	41.0

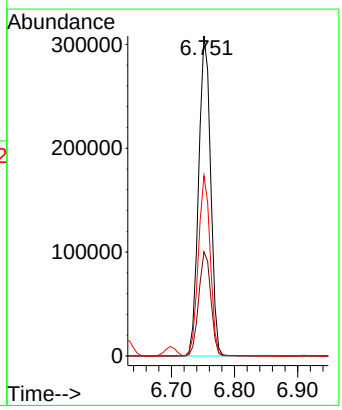


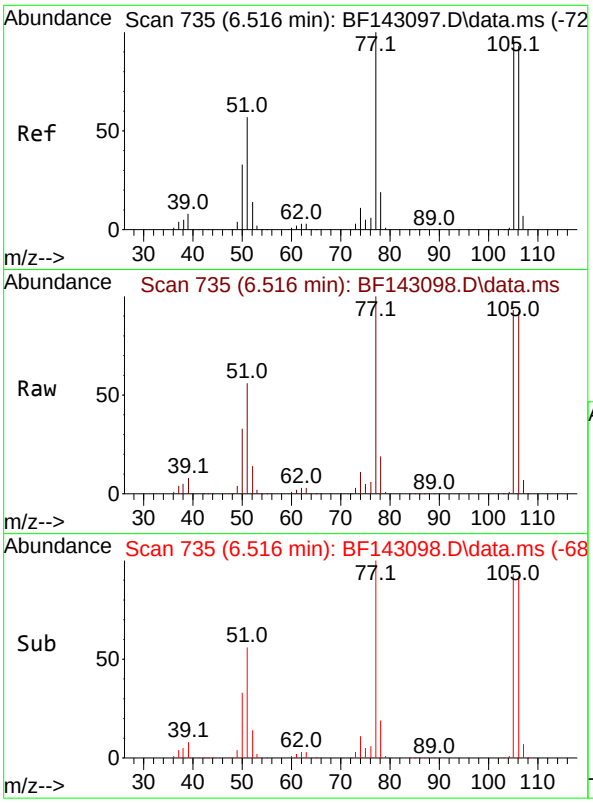


#8
2-Chlorophenol
Concen: 53.601 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:128 Resp: 405741

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	56.3	36.1	76.1



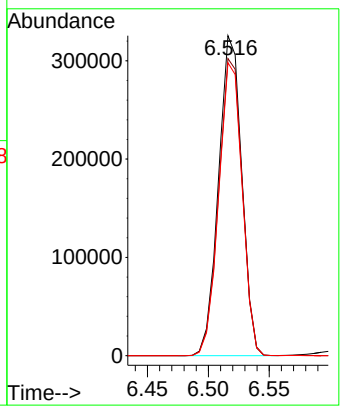


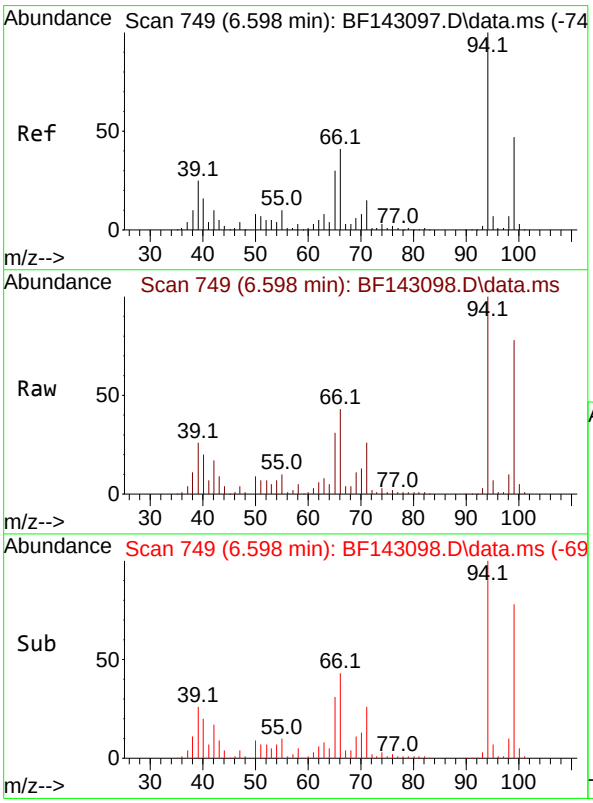
#9
Benzaldehyde
Concen: 59.864 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 431994

Ion	Ratio	Lower	Upper
77	100		
105	92.9	76.3	116.3
106	91.5	72.8	112.8

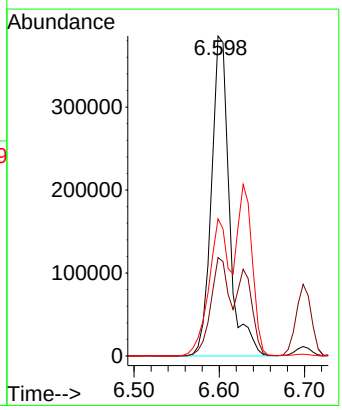


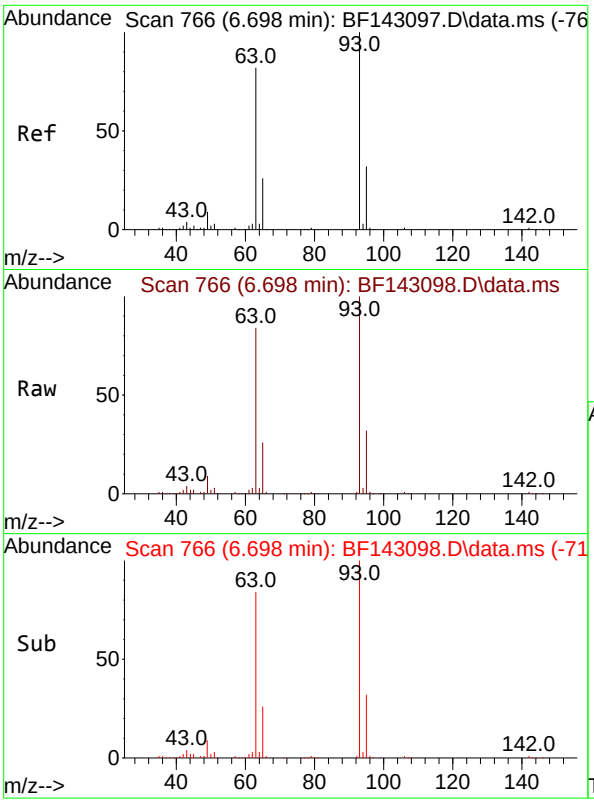


#10
Phenol
Concen: 55.233 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 94 Resp: 566269

Ion	Ratio	Lower	Upper
94	100		
65	30.7	9.8	49.8
66	42.9	20.5	60.5



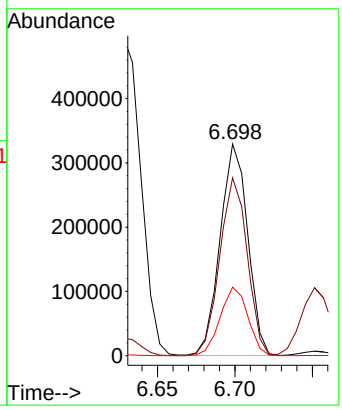


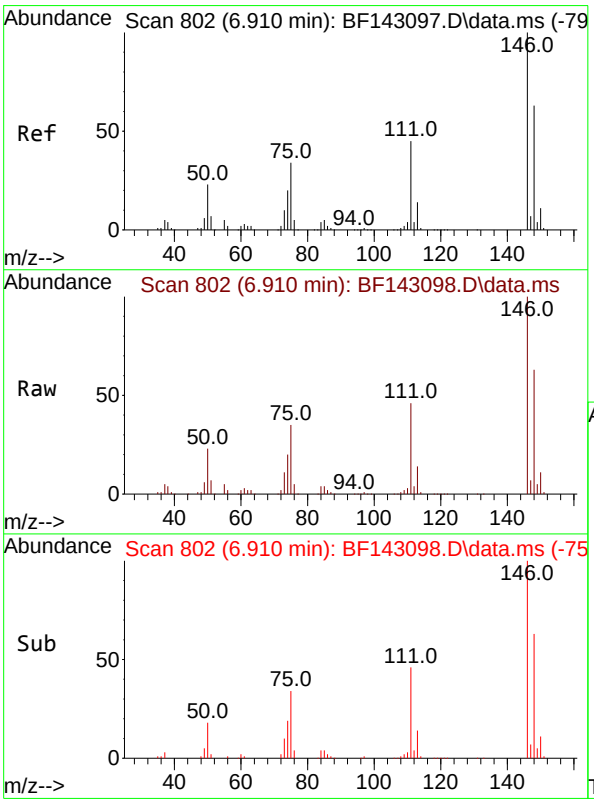
#11
bis(2-Chloroethyl)ether
Concen: 51.417 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 408091

Ion	Ratio	Lower	Upper
93	100		
63	84.0	61.9	101.9
95	32.4	12.2	52.2

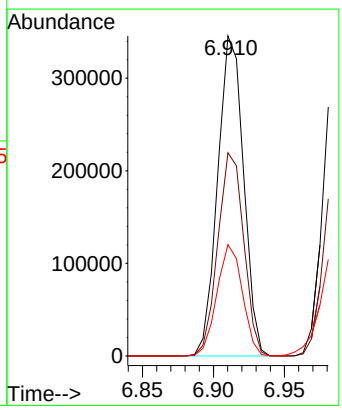


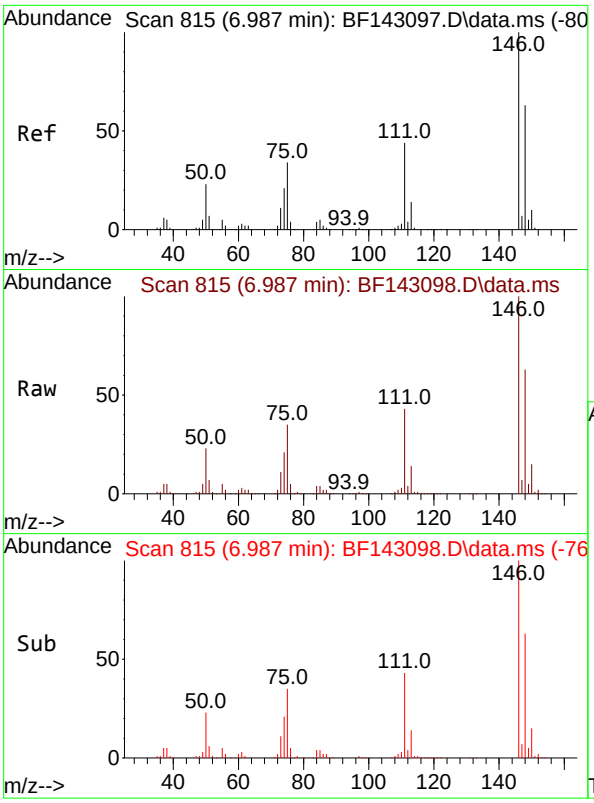


#12
1,3-Dichlorobenzene
Concen: 51.203 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 437876

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.1	75.1
75	34.8	27.4	41.0



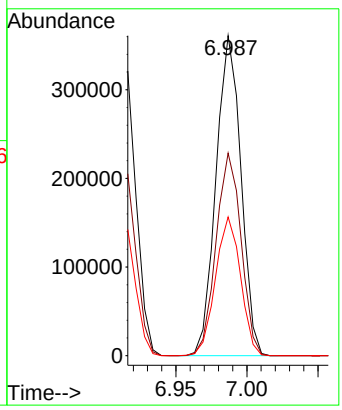


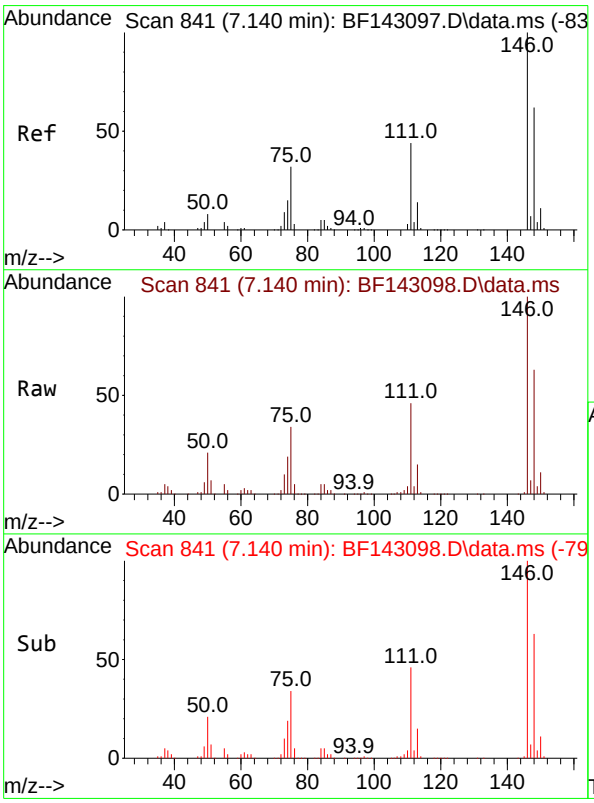
#13
1,4-Dichlorobenzene
Concen: 51.260 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 441012

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	43.3	35.0	52.6

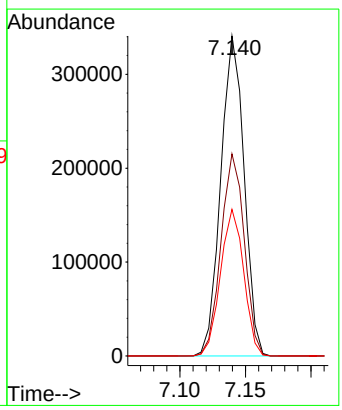


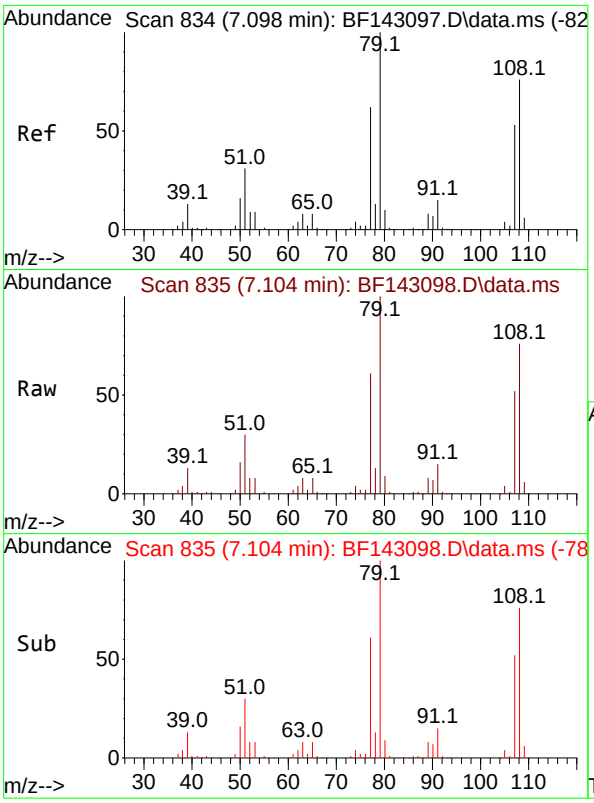


#14
1,2-Dichlorobenzene
Concen: 51.401 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:146 Resp: 421724

Ion	Ratio	Lower	Upper
146	100		
148	63.1	49.8	74.6
111	45.8	35.4	53.0



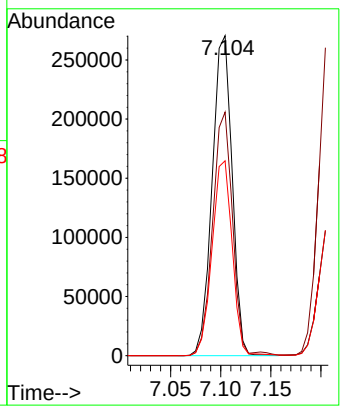


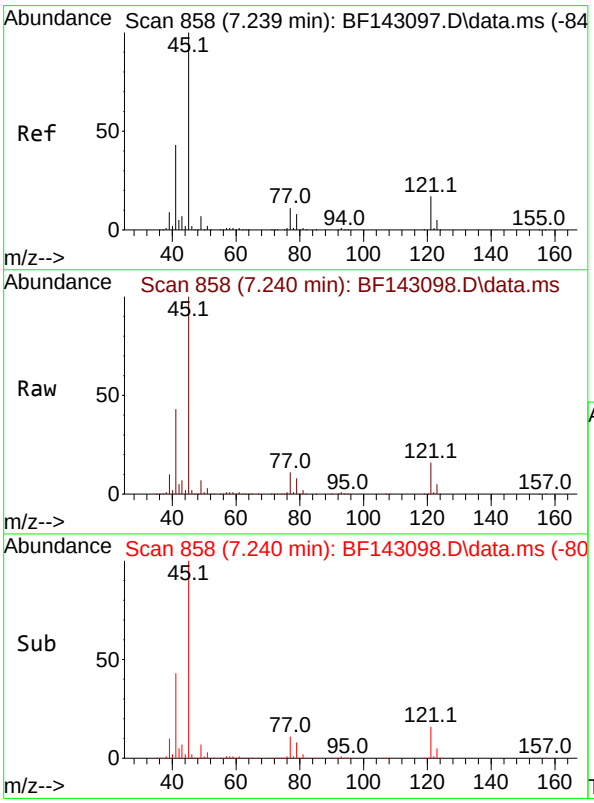
#15
Benzyl Alcohol
Concen: 53.234 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 373560

Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.1	91.7
77	60.9	49.9	74.9

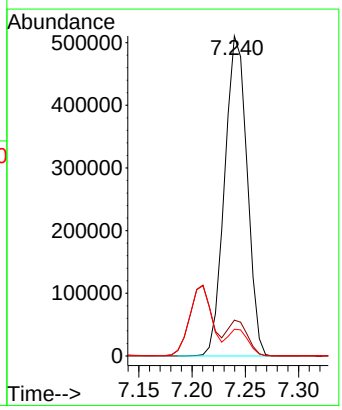


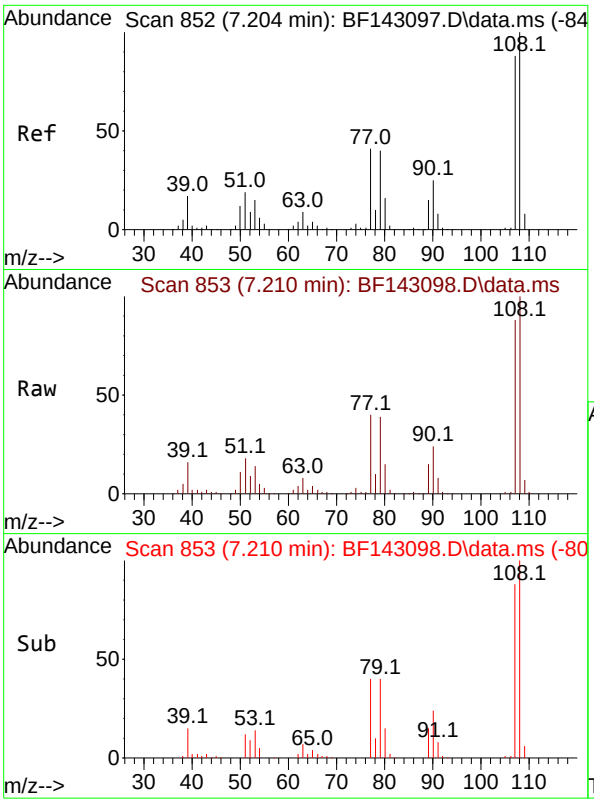


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.187 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 45 Resp: 748892

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.1
79	8.4	0.0	28.4



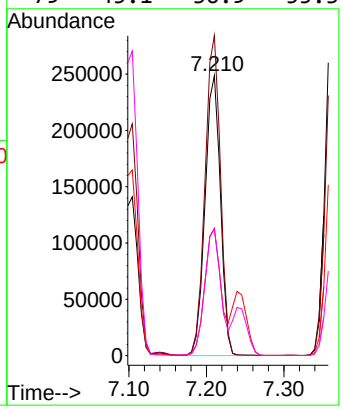


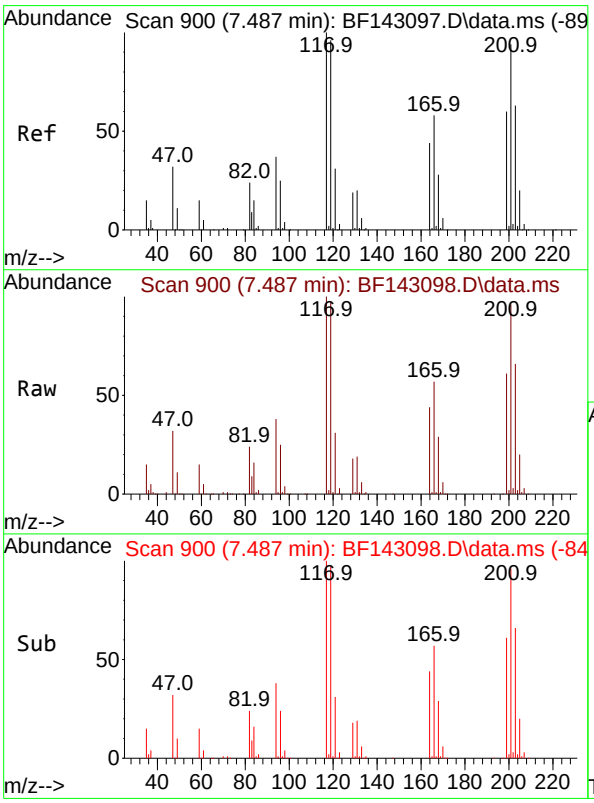
#17
2-Methylphenol
Concen: 52.409 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 342357

Ion	Ratio	Lower	Upper
107	100		
108	114.3	90.9	136.3
77	45.5	37.5	56.3
79	45.1	36.9	55.3

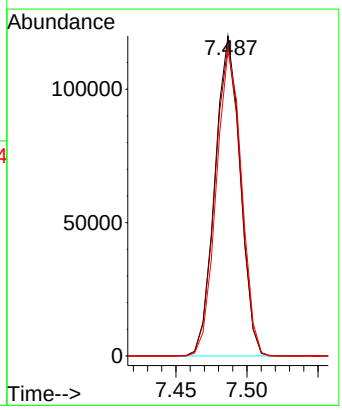


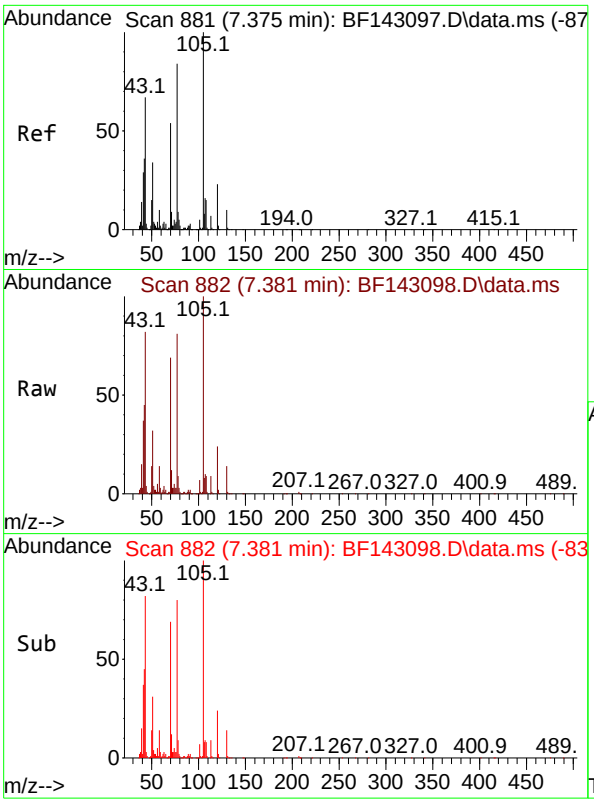


#18
Hexachloroethane
Concen: 53.114 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:117 Resp: 148761

Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.7	115.1
201	95.5	75.0	112.4



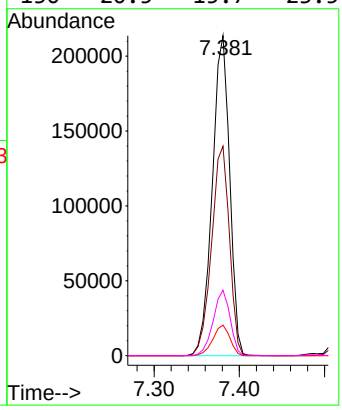


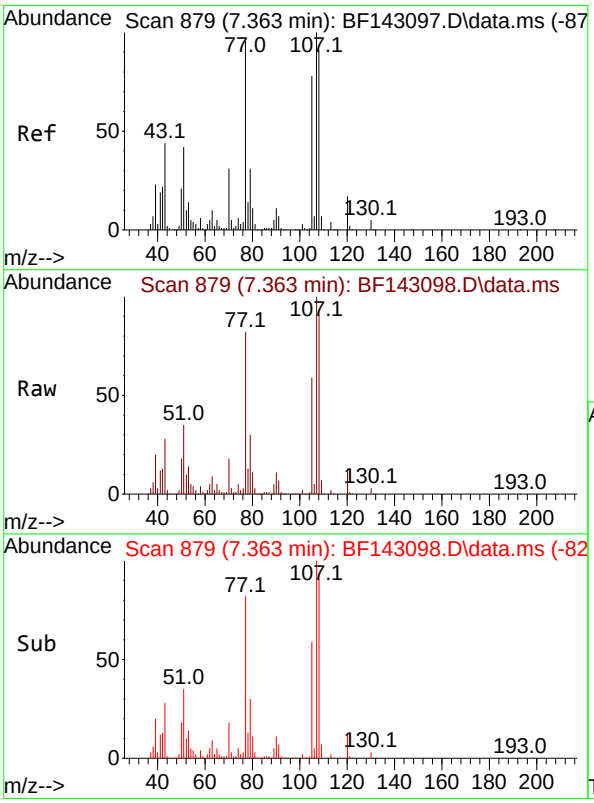
#19
n-Nitroso-di-n-propylamine
Concen: 52.169 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 302685

Ion	Ratio	Lower	Upper
70	100		
42	65.5	53.2	79.8
101	9.6	7.5	11.3
130	20.5	15.7	23.5

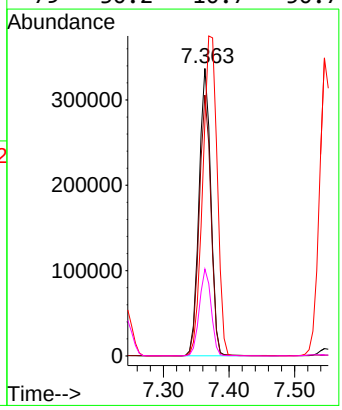


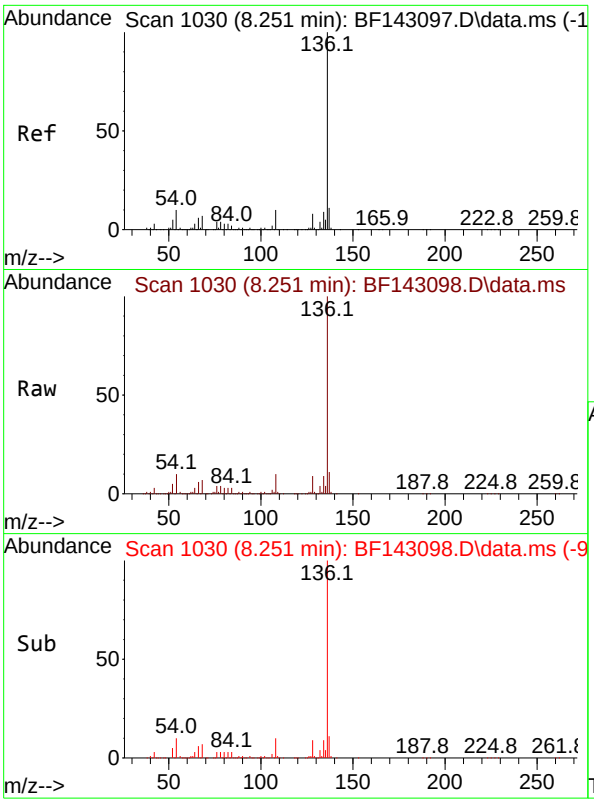


#20
3+4-Methylphenols
Concen: 52.776 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 422794

Ion	Ratio	Lower	Upper
107	100		
108	90.7	71.3	111.3
77	81.5	77.2	117.2
79	30.2	10.7	50.7



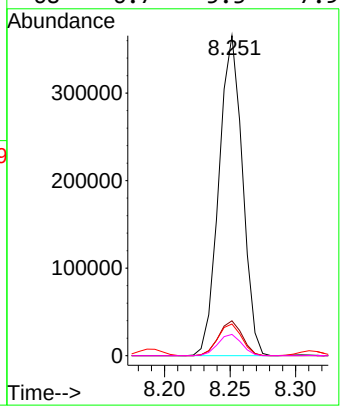


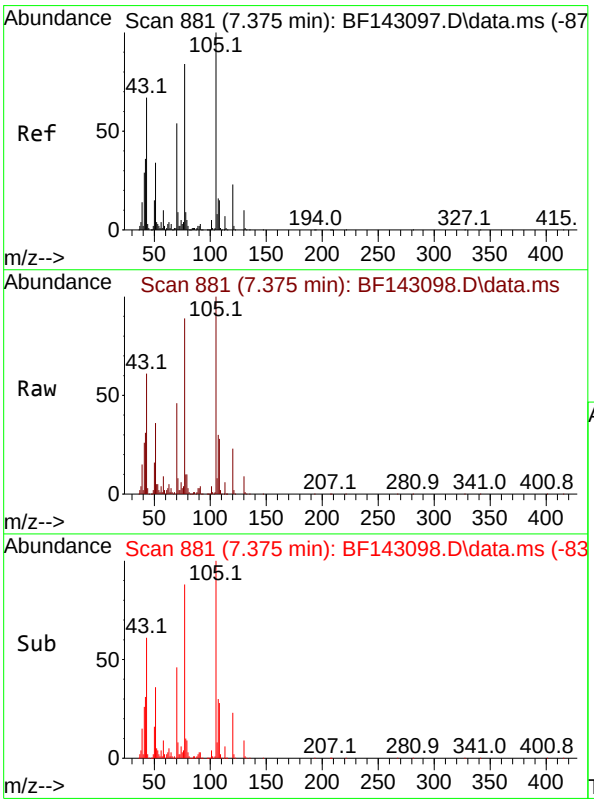
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 456501

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.9	8.3	12.5
68	6.7	5.3	7.9

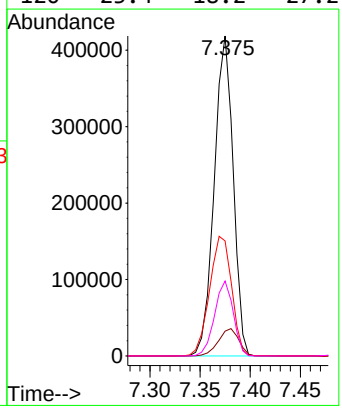


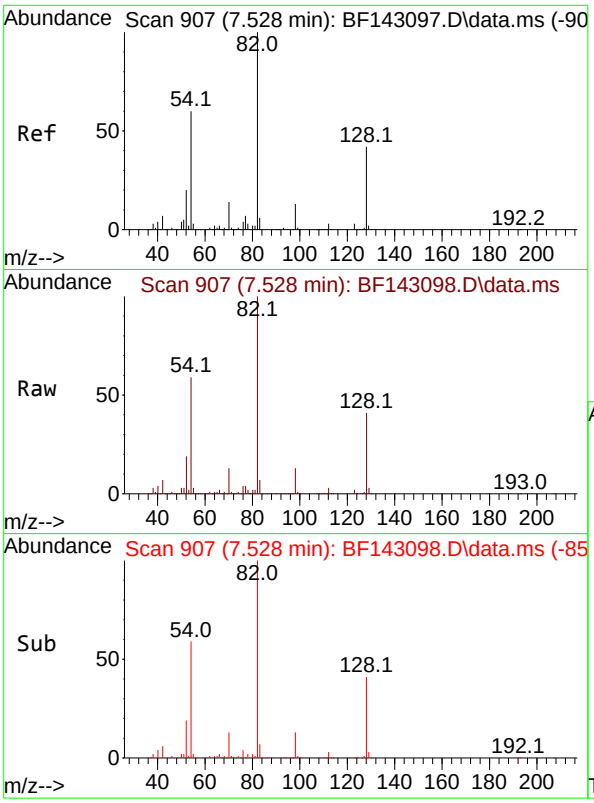


#22
Acetophenone
Concen: 49.959 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:105 Resp: 549763

Ion	Ratio	Lower	Upper
105	100		
71	7.8	7.2	10.8
51	36.0	27.0	40.4
120	23.4	18.2	27.2



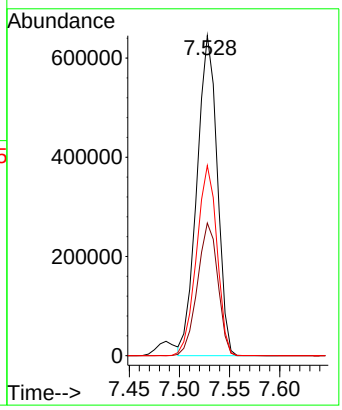


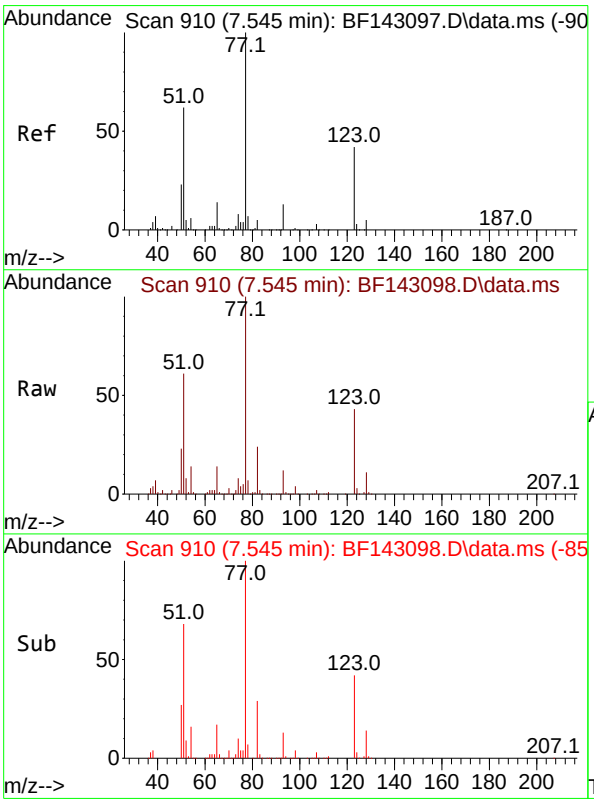
#23
Nitrobenzene-d5
Concen: 112.035 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 911721

Ion	Ratio	Lower	Upper
82	100		
128	41.4	33.3	49.9
54	59.4	47.4	71.2

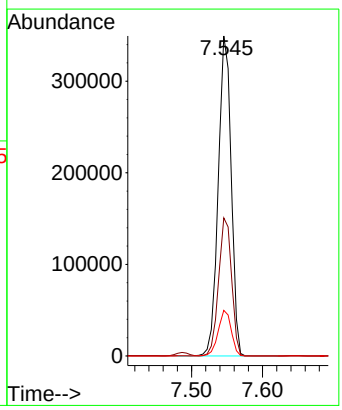


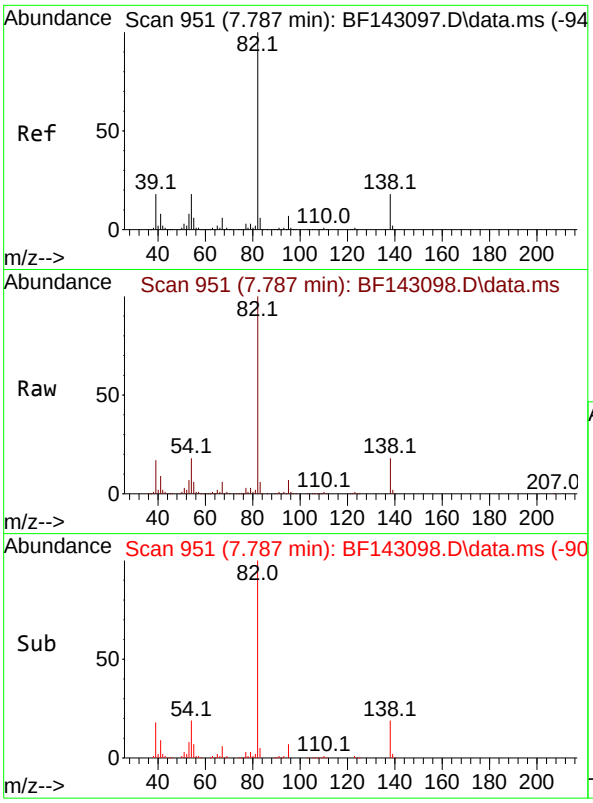


#24
Nitrobenzene
Concen: 55.918 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 77 Resp: 439273

Ion	Ratio	Lower	Upper
77	100		
123	43.2	34.5	51.7
65	14.3	11.3	16.9



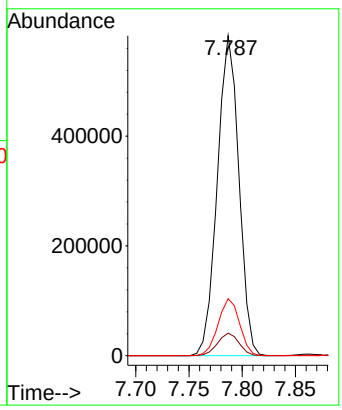


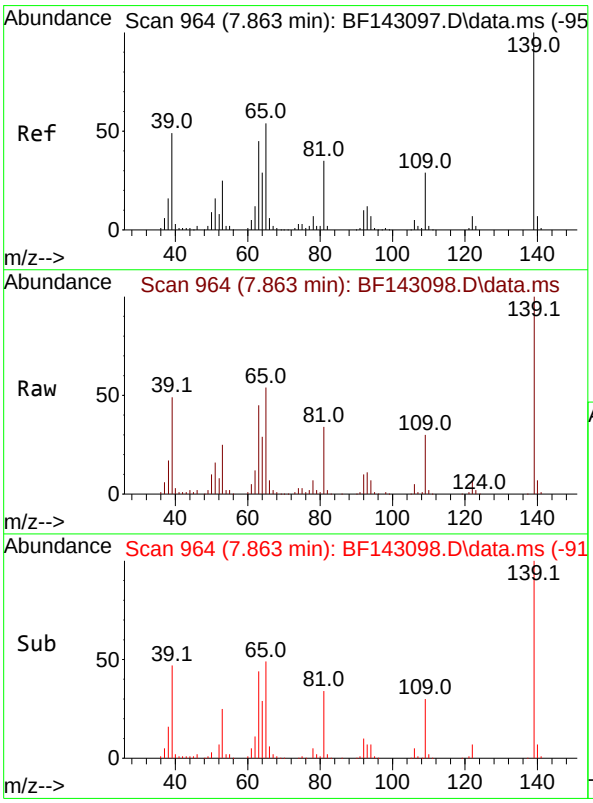
#25
Isophorone
Concen: 52.088 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 819274

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.8	14.3	21.5

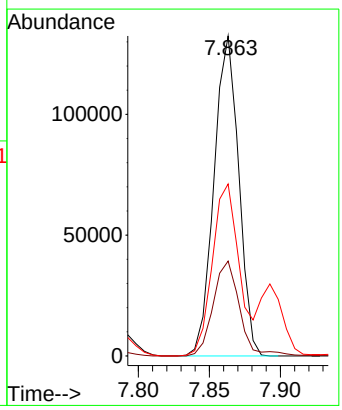


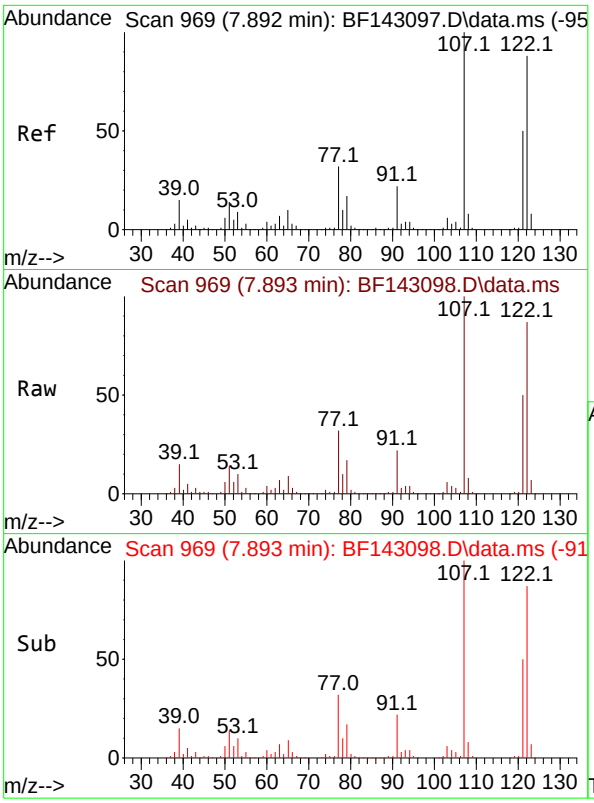


#26
2-Nitrophenol
Concen: 50.837 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 160386

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.4	35.0
65	53.7	43.4	65.2



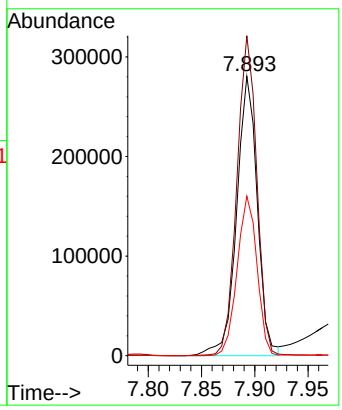


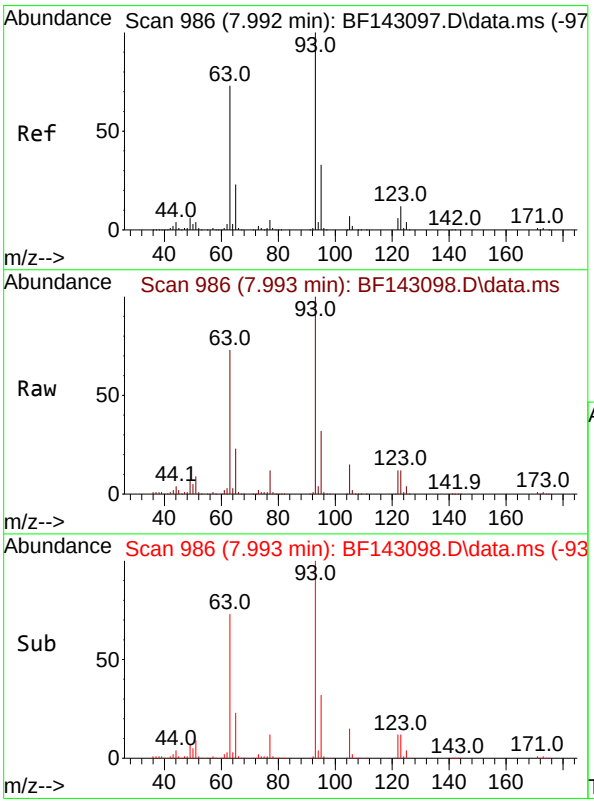
#27
2,4-Dimethylphenol
Concen: 51.976 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 379432

Ion	Ratio	Lower	Upper
122	100		
107	114.5	91.3	136.9
121	57.1	45.5	68.3

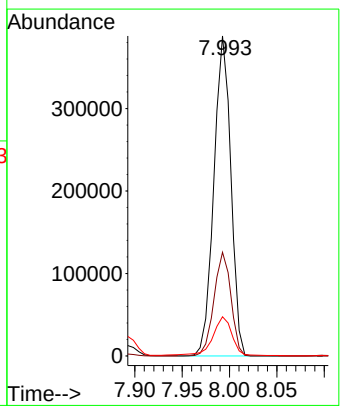


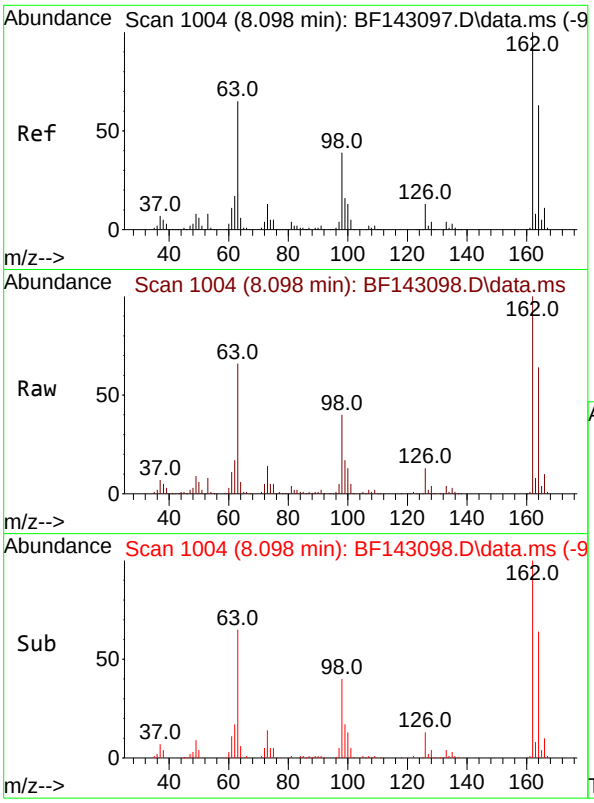


#28
bis(2-Chloroethoxy)methane
Concen: 50.704 ng
RT: 7.993 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 93 Resp: 483608

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.2	39.4
123	12.2	9.6	14.4



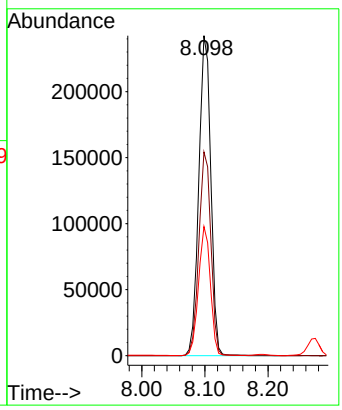


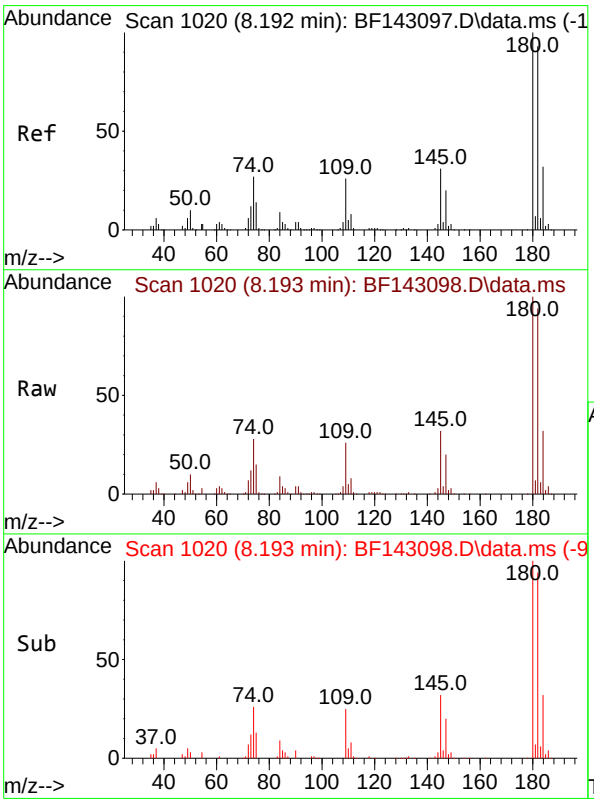
#29
2,4-Dichlorophenol
Concen: 53.575 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 319968

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.1	83.1
98	40.4	19.2	59.2

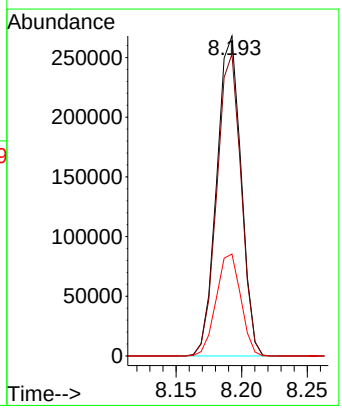


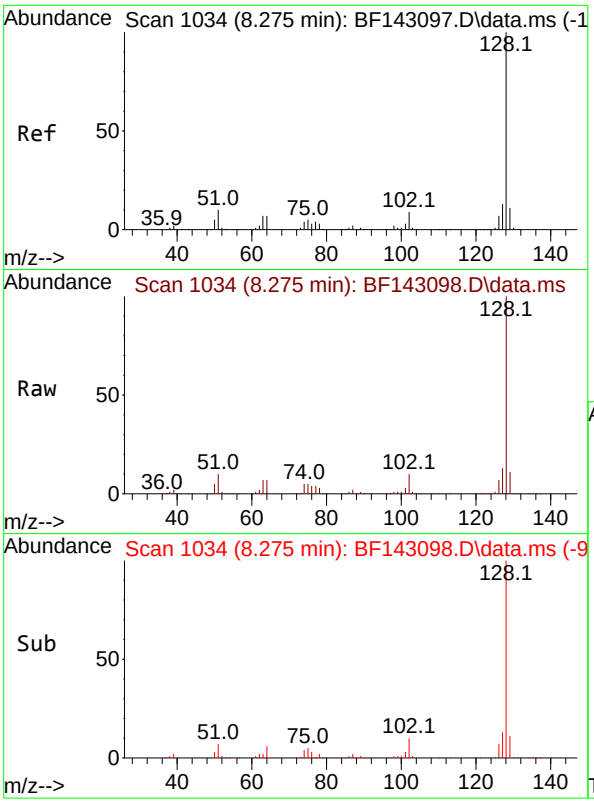


#30
1,2,4-Trichlorobenzene
Concen: 50.958 ng
RT: 8.193 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:180 Resp: 345389

Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.7	112.1
145	31.8	24.5	36.7



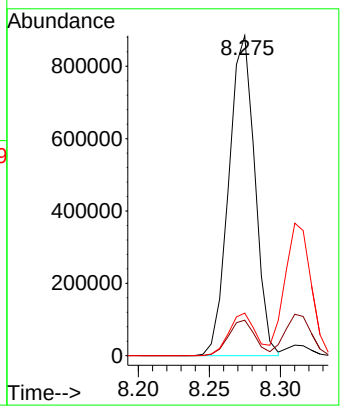


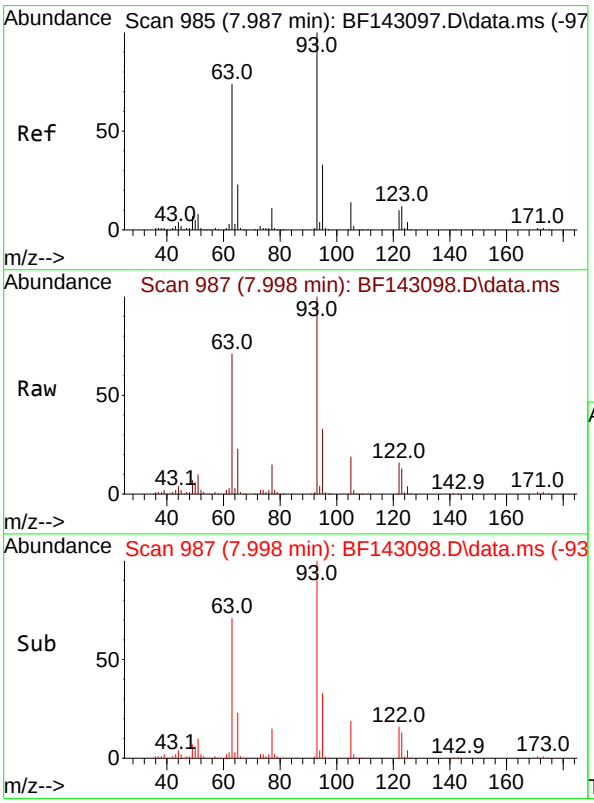
#31
Naphthalene
Concen: 49.700 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1126659

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.3	10.5	15.7

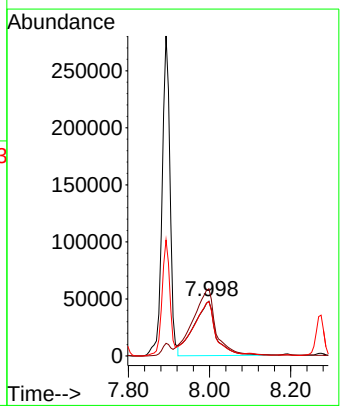


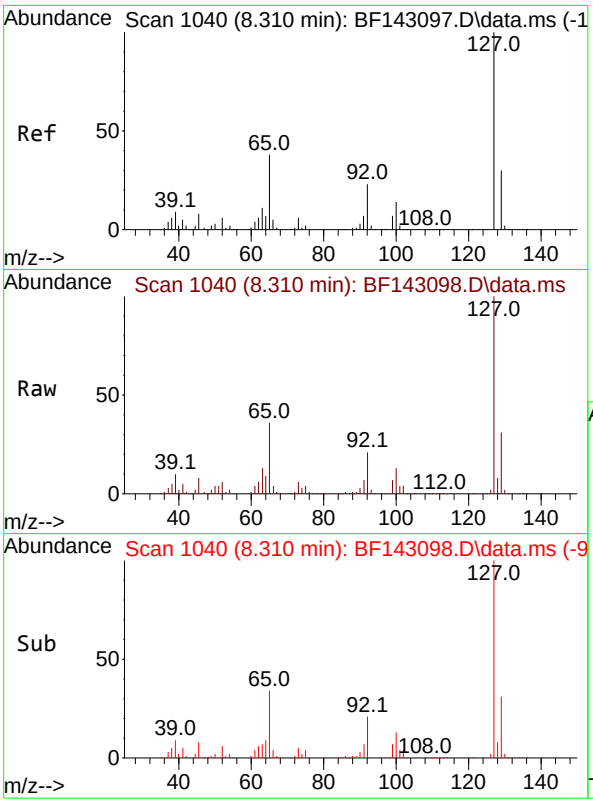


#32
Benzoic acid
Concen: 49.535 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.011 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:122 Resp: 180966

Ion	Ratio	Lower	Upper
122	100		
105	122.8	105.4	145.4
77	99.4	78.6	118.6



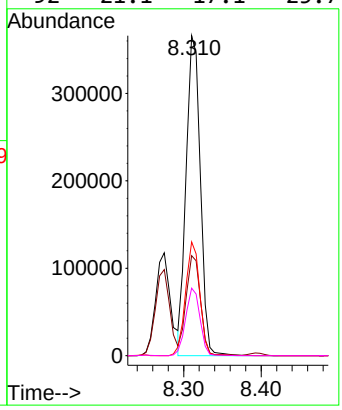


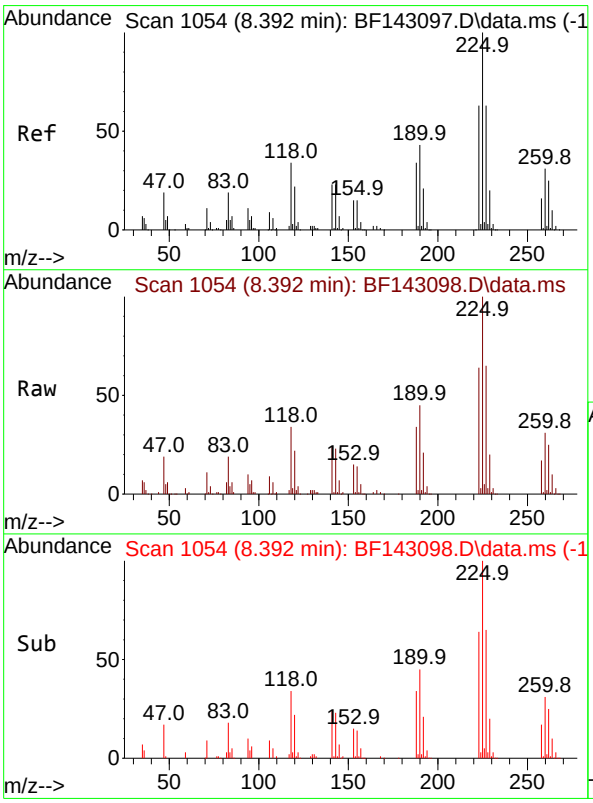
#33
4-Chloroaniline
Concen: 51.237 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 467074

Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.2	39.4
65	35.6	28.6	42.8
92	21.1	17.1	25.7

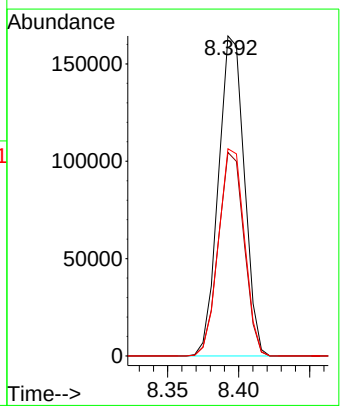


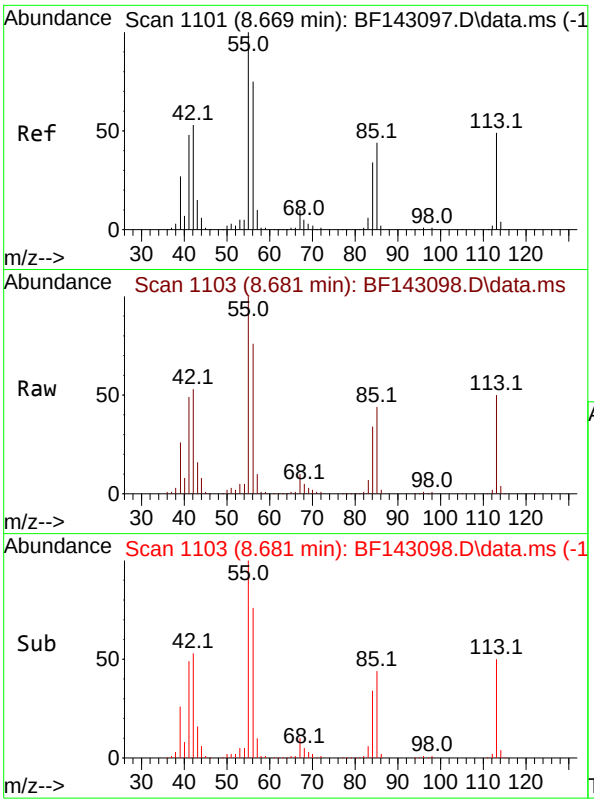


#34
Hexachlorobutadiene
Concen: 51.263 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:225 Resp: 207797

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	64.7	50.1	75.1



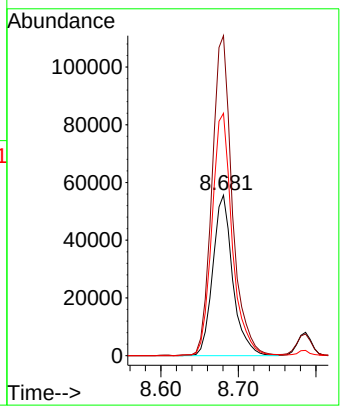


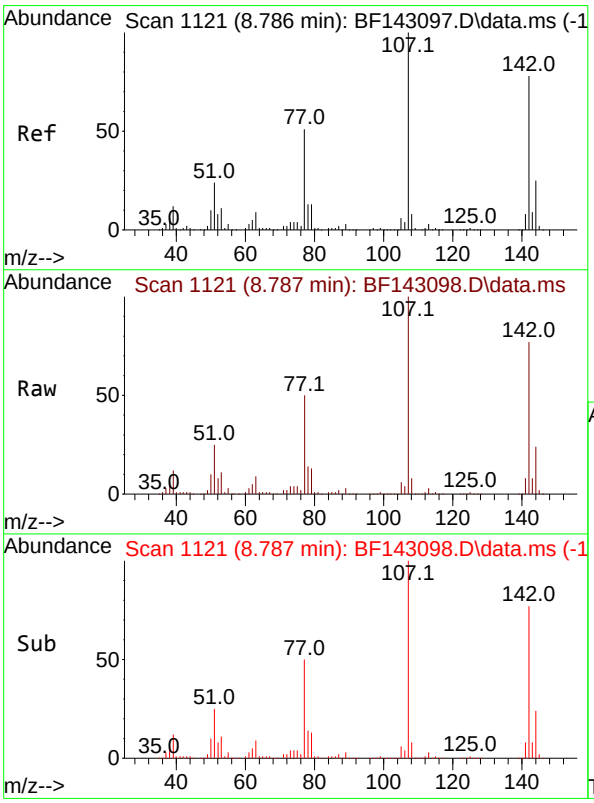
#35
Caprolactam
Concen: 53.162 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 99144

Ion	Ratio	Lower	Upper
113	100		
55	199.4	186.2	226.2
56	151.0	134.1	174.1

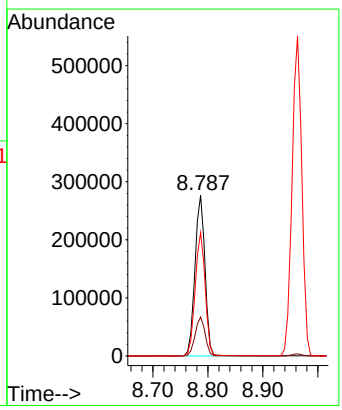


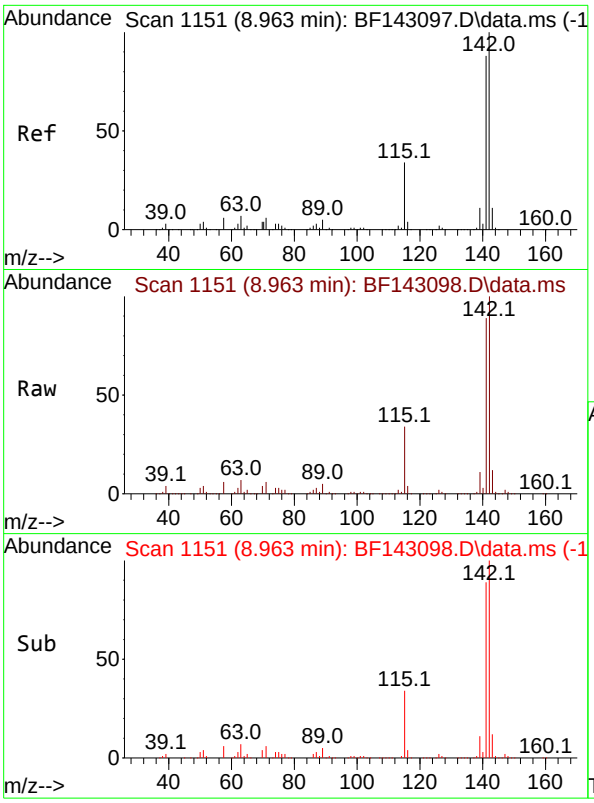


#36
4-Chloro-3-methylphenol
Concen: 52.746 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:107 Resp: 350906

Ion	Ratio	Lower	Upper
107	100		
144	24.2	20.2	30.2
142	76.8	62.4	93.6



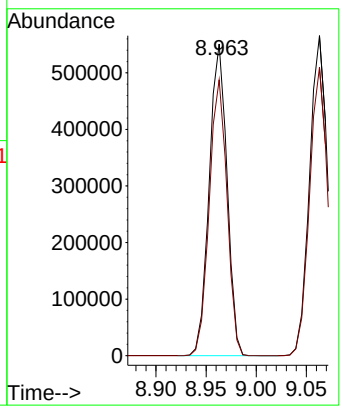


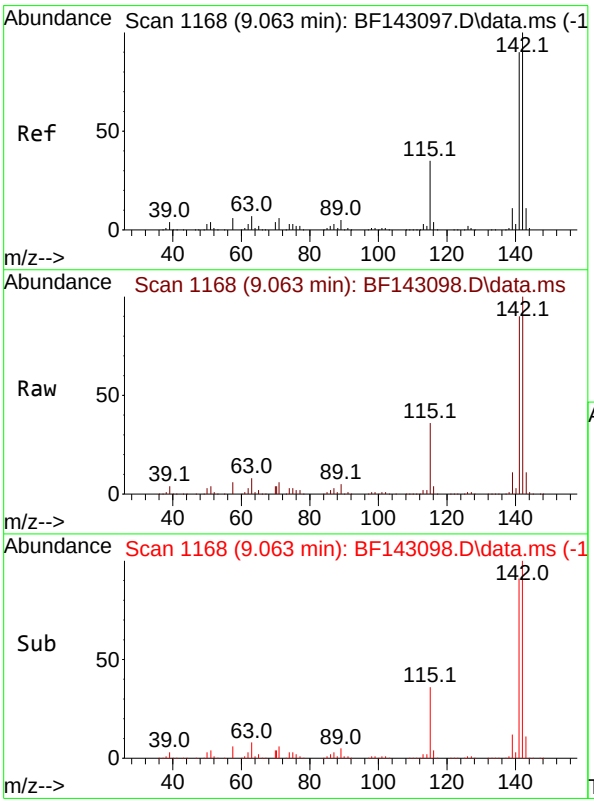
#37
2-Methylnaphthalene
Concen: 50.410 ng
RT: 8.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 681726

Ion	Ratio	Lower	Upper
142	100		
141	88.5	70.2	105.2

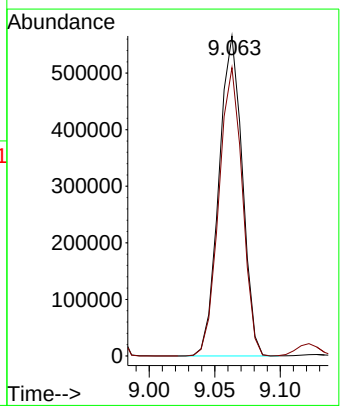


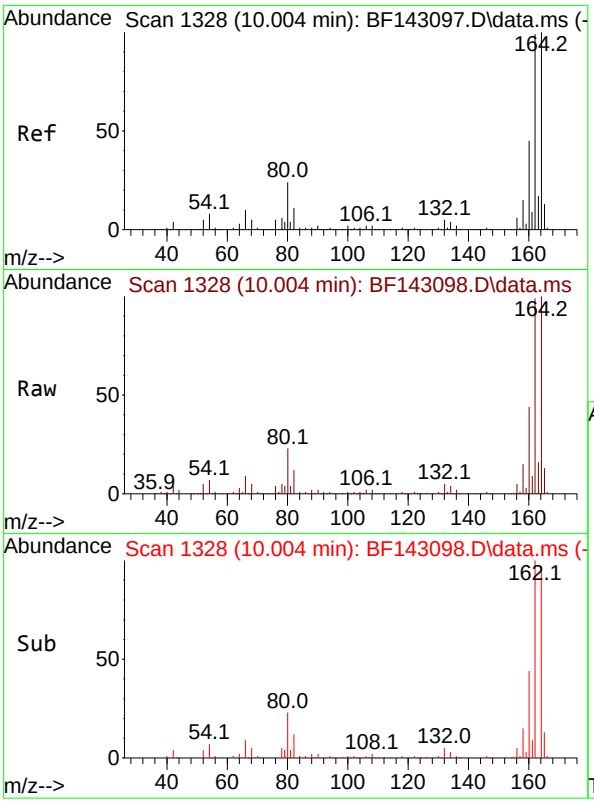


#38
1-Methylnaphthalene
Concen: 50.016 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:142 Resp: 701548

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.2	108.4



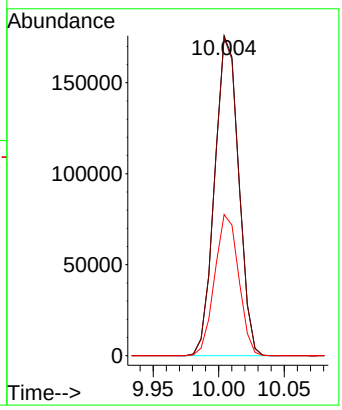


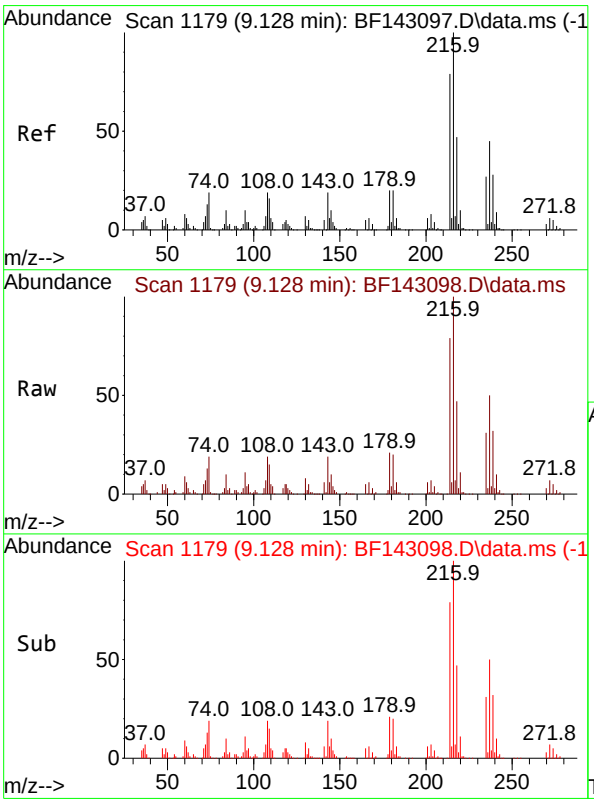
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 223126

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.0	118.6
160	44.1	35.8	53.6

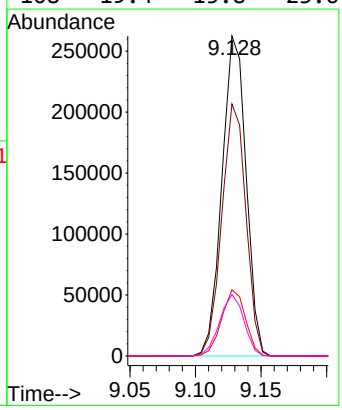


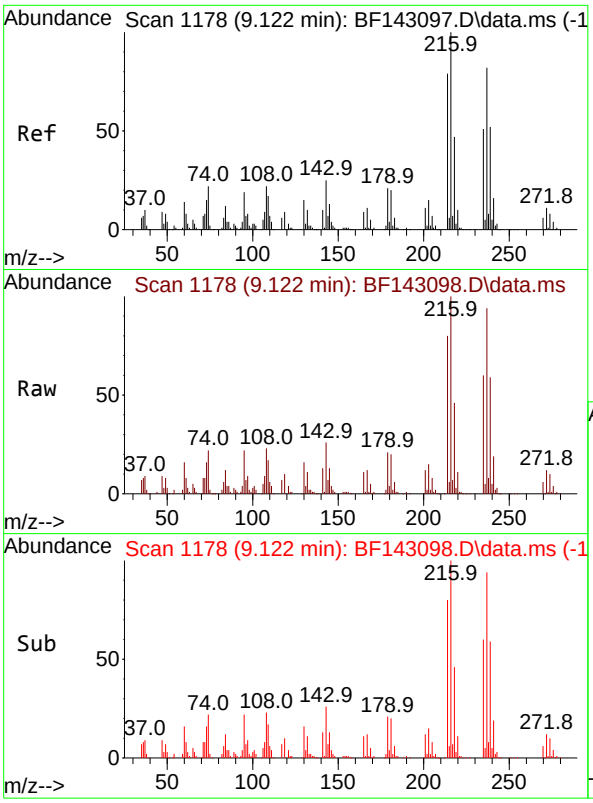


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.551 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:216 Resp: 335206

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	20.5	16.2	24.2
108	19.4	15.8	23.6



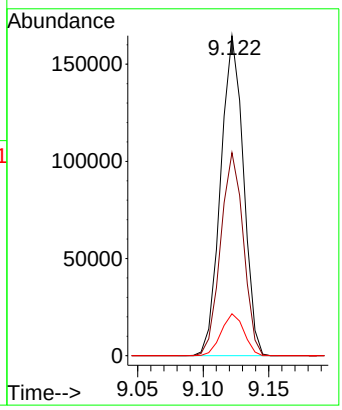


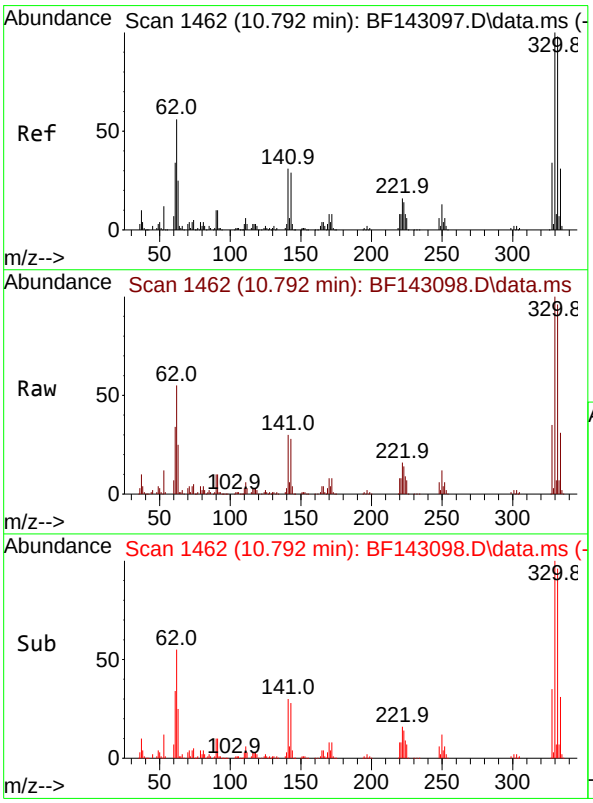
#41
Hexachlorocyclopentadiene
Concen: 55.147 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 198811

Ion	Ratio	Lower	Upper
237	100		
235	63.4	41.6	81.6
272	13.1	0.0	32.9

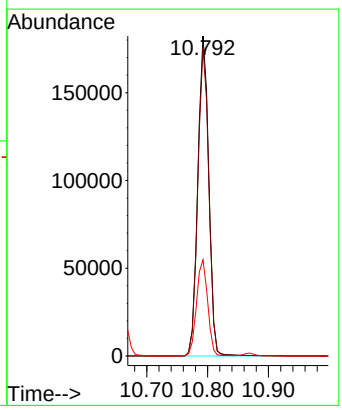


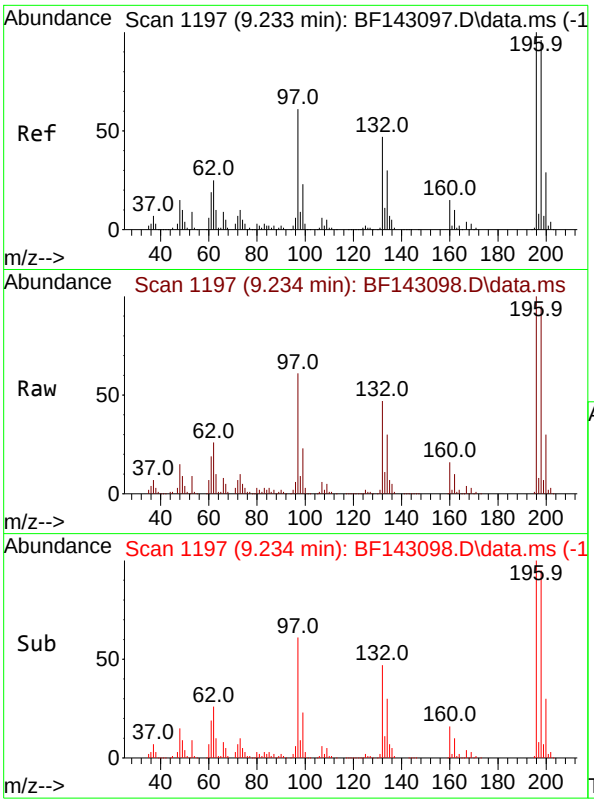


#42
2,4,6-Tribromophenol
Concen: 114.439 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:330 Resp: 227678

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.9	116.9
141	30.5	25.9	38.9



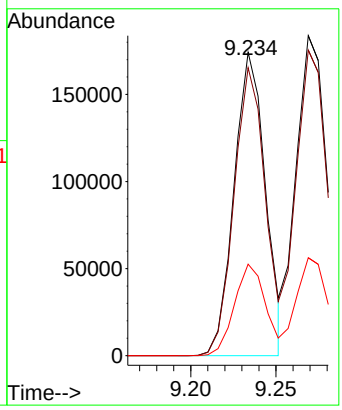


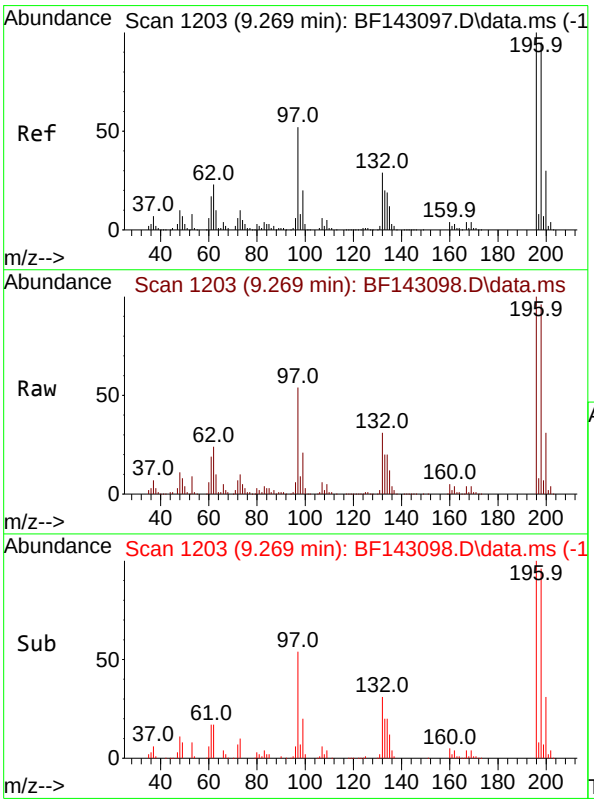
#43
2,4,6-Trichlorophenol
Concen: 55.226 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 223131

Ion	Ratio	Lower	Upper
196	100		
198	94.9	76.9	115.3
200	30.2	23.5	35.3

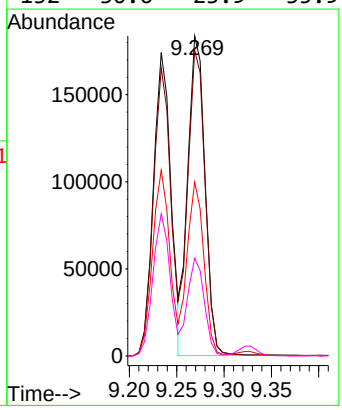


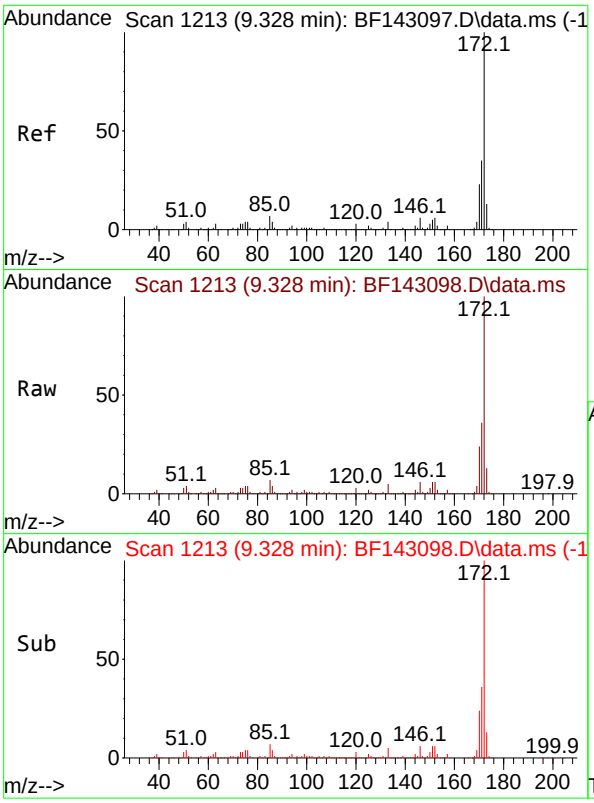


#44
2,4,5-Trichlorophenol
Concen: 54.977 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:196 Resp: 232905

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.4	114.6
97	54.3	42.4	63.6
132	30.6	23.9	35.9



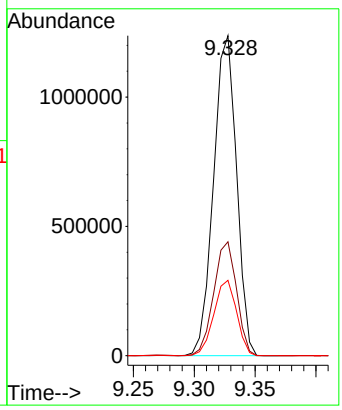


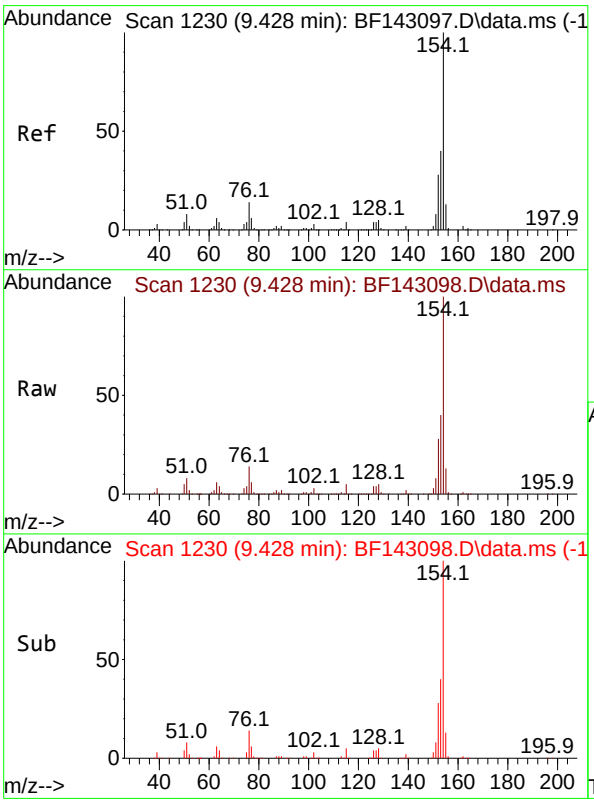
#45
2-Fluorobiphenyl
Concen: 97.028 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 1628659

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.6	18.6	28.0

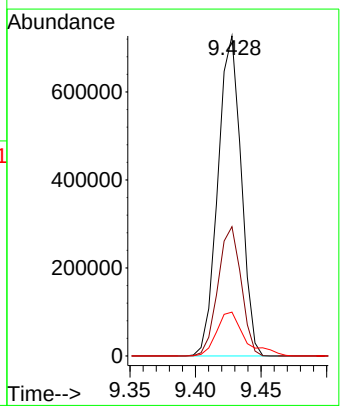


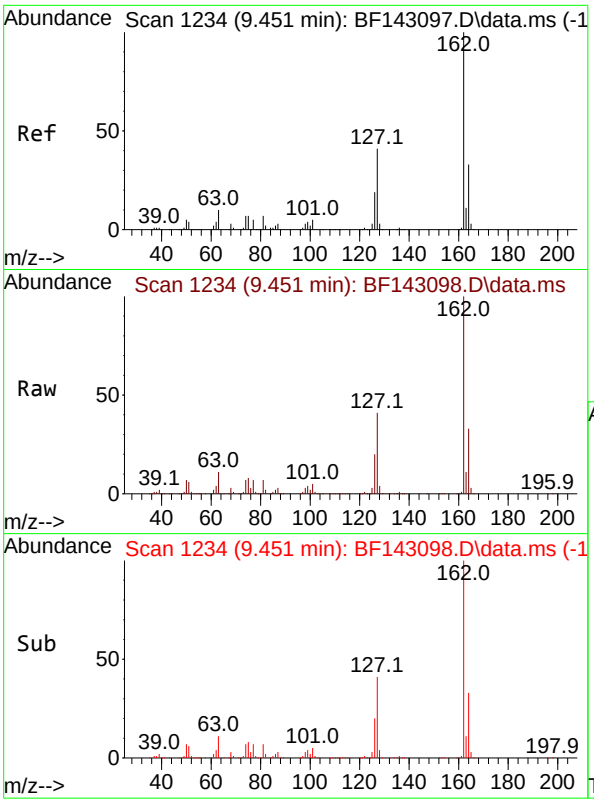


#46
1,1'-Biphenyl
Concen: 50.458 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:154 Resp: 897834

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.1	60.1
76	13.7	0.0	33.7



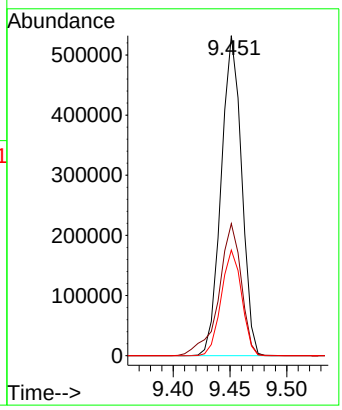


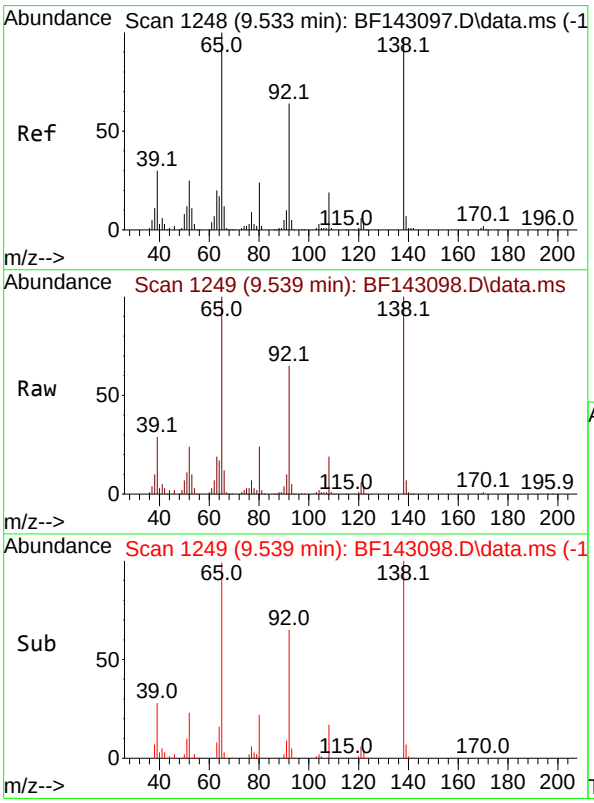
#47
2-Chloronaphthalene
Concen: 51.007 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 666760

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.0	49.6
164	33.0	26.1	39.1

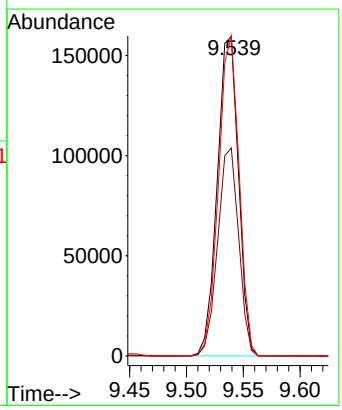


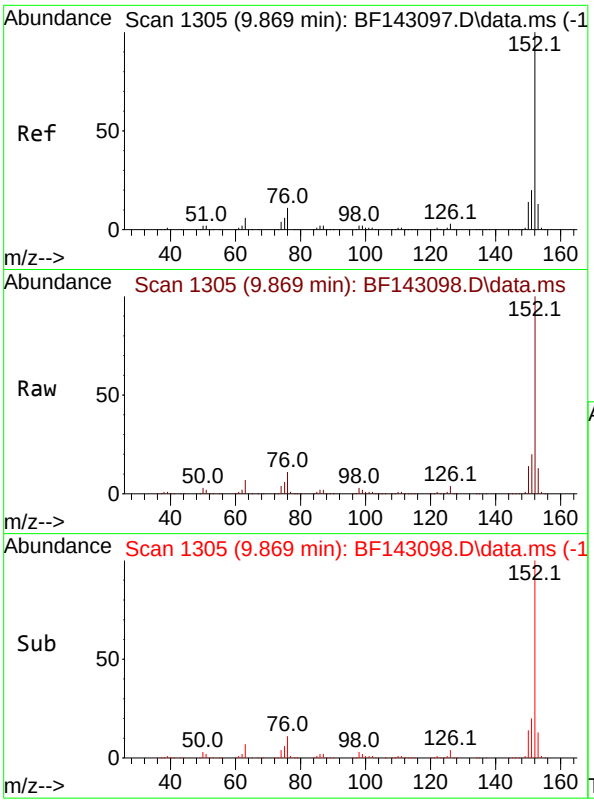


#48
2-Nitroaniline
Concen: 52.775 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion: 65 Resp: 207291

Ion	Ratio	Lower	Upper
65	100		
92	65.1	51.3	76.9
138	100.2	77.8	116.6



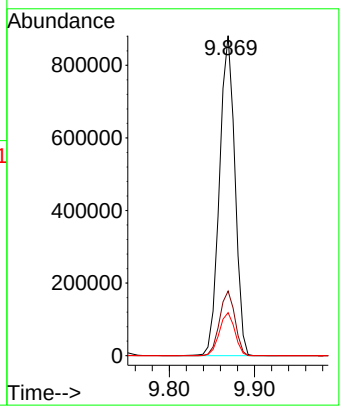


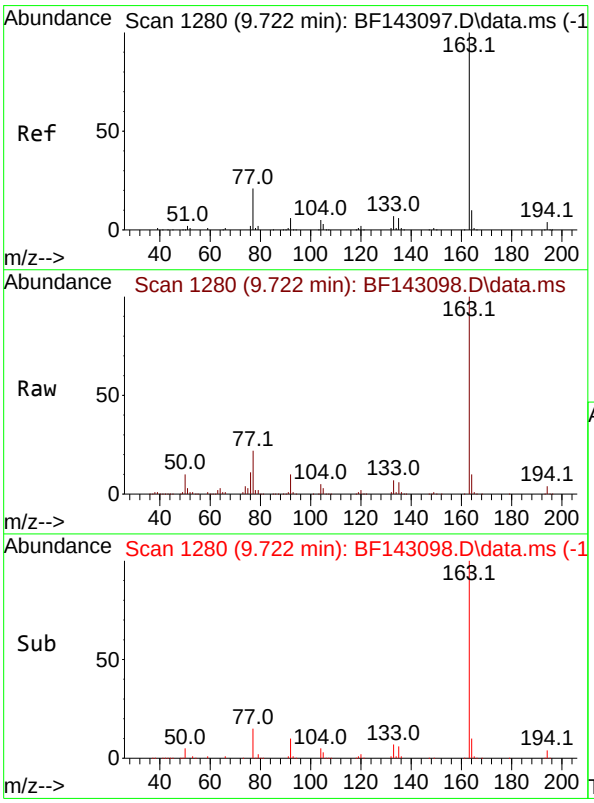
#49
Acenaphthylene
Concen: 50.940 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1109586

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.4	10.4	15.6

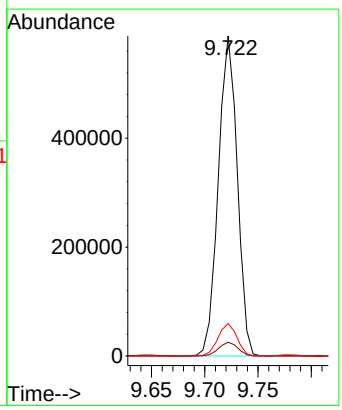


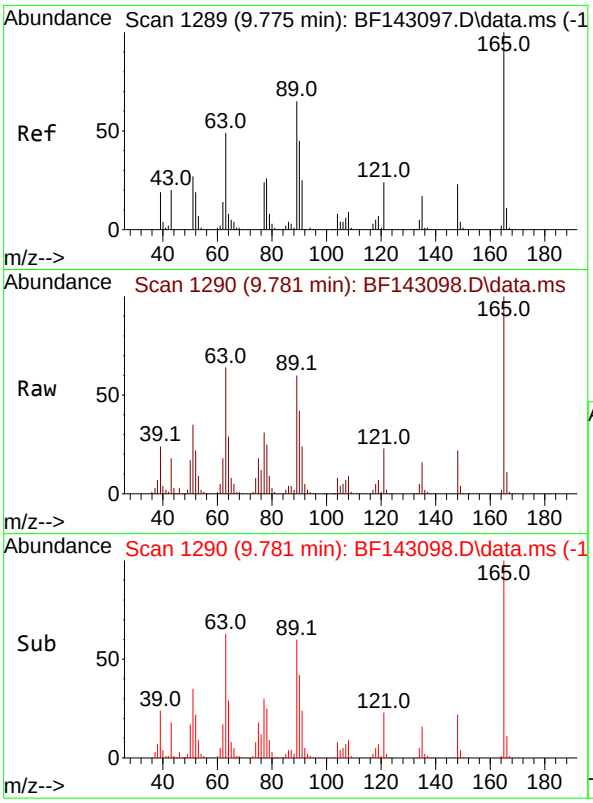


#50
Dimethylphthalate
Concen: 51.728 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:163 Resp: 726121

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.1	8.2	12.2



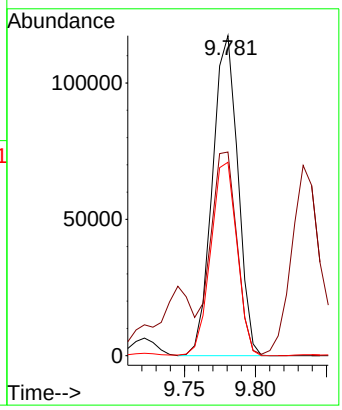


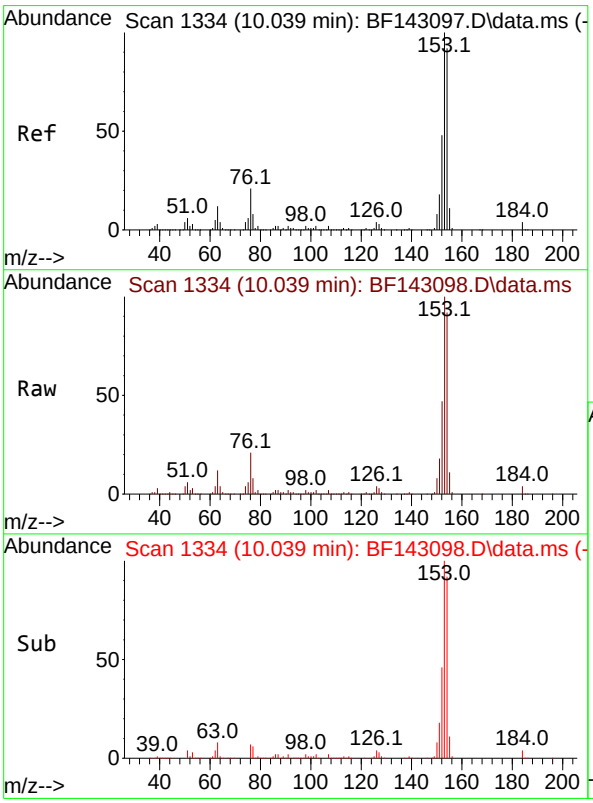
#51
2,6-Dinitrotoluene
Concen: 52.497 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 146385

Ion	Ratio	Lower	Upper
165	100		
63	63.7	57.4	86.0
89	60.4	51.8	77.8

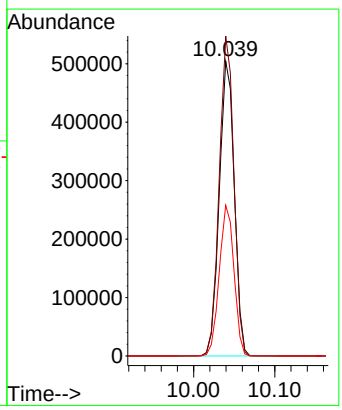


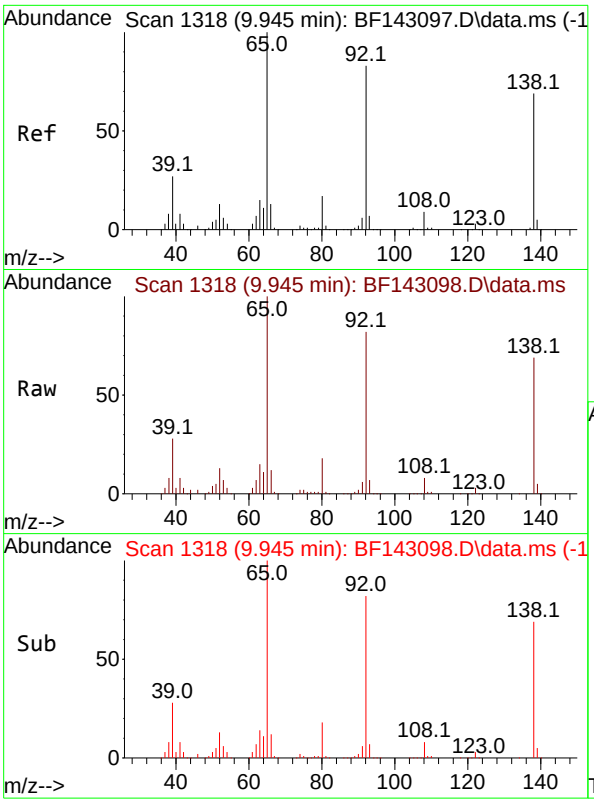


#52
Acenaphthene
Concen: 50.669 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:154 Resp: 651291

Ion	Ratio	Lower	Upper
154	100		
153	108.6	86.7	130.1
152	51.1	41.4	62.2



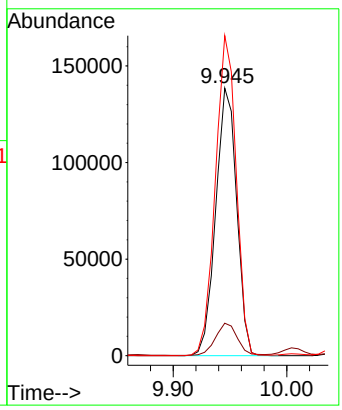


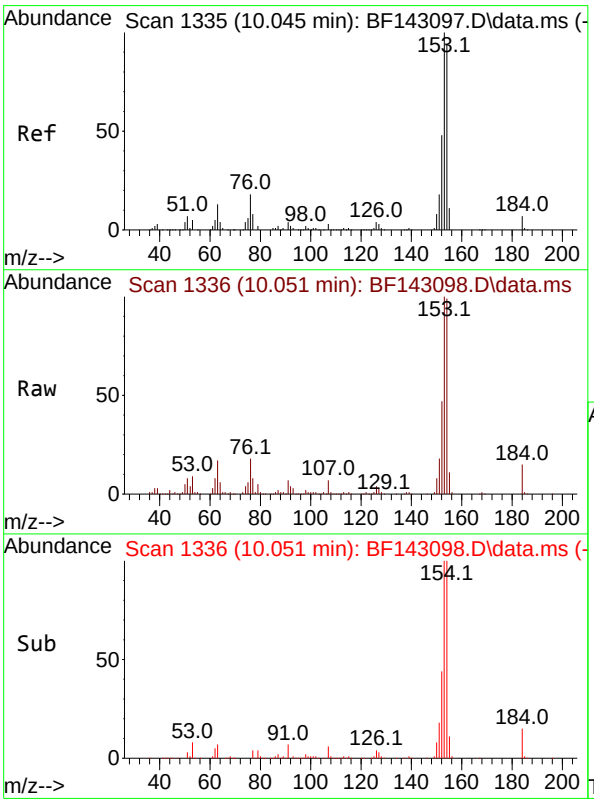
#53
3-Nitroaniline
Concen: 58.553 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 177602

Ion	Ratio	Lower	Upper
138	100		
108	12.1	10.1	15.1
92	119.6	96.4	144.6

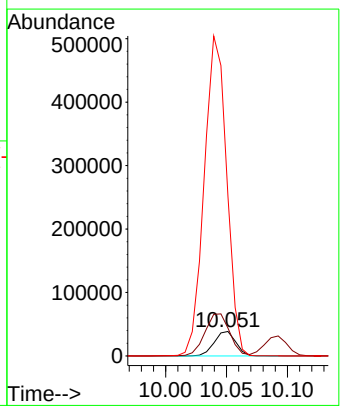


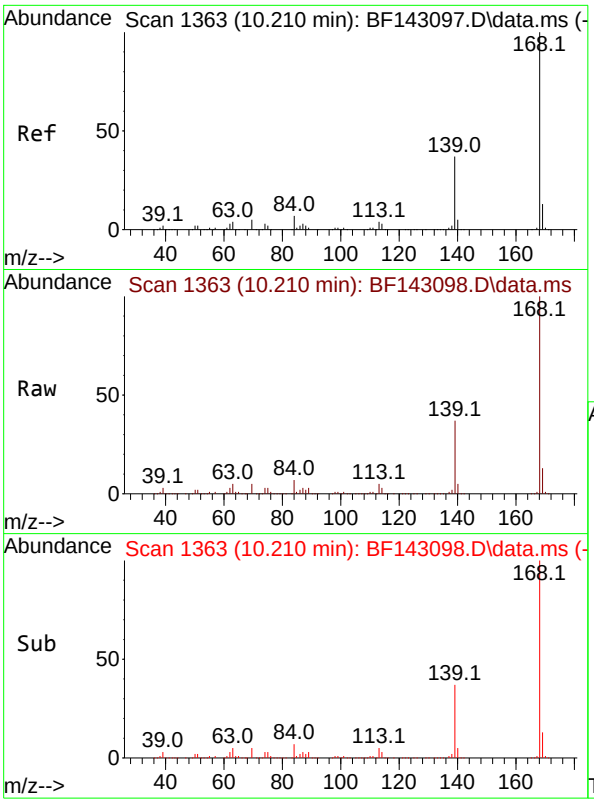


#54
2,4-Dinitrophenol
Concen: 51.931 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:184 Resp: 47800

Ion	Ratio	Lower	Upper
184	100		
63	113.4	149.3	223.9#
154	651.1	1048.0	1572.0#



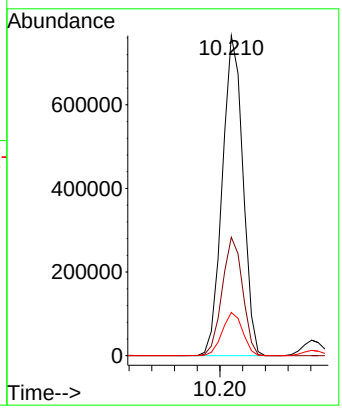


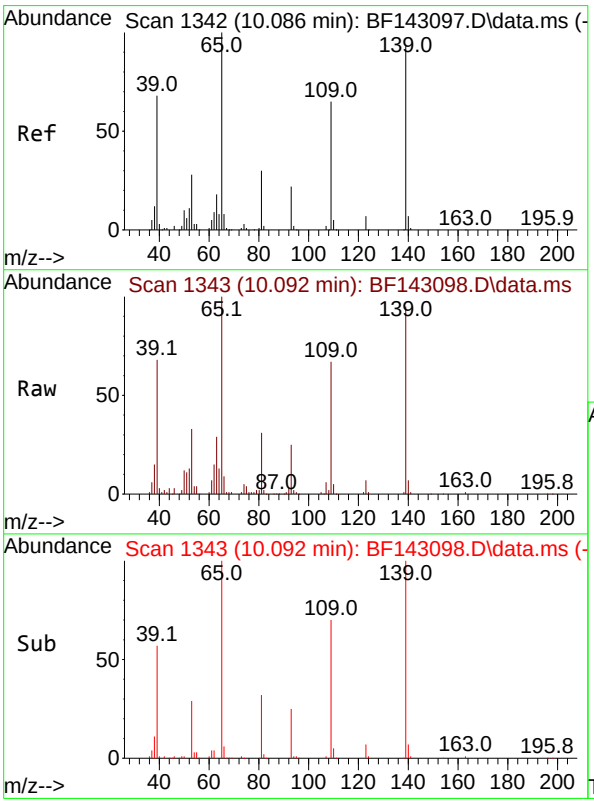
#55
Dibenzofuran
Concen: 50.344 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 964545

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.8	44.6
169	13.5	10.8	16.2

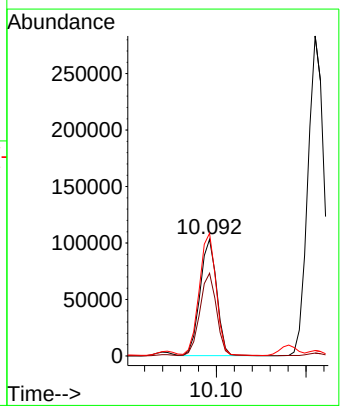


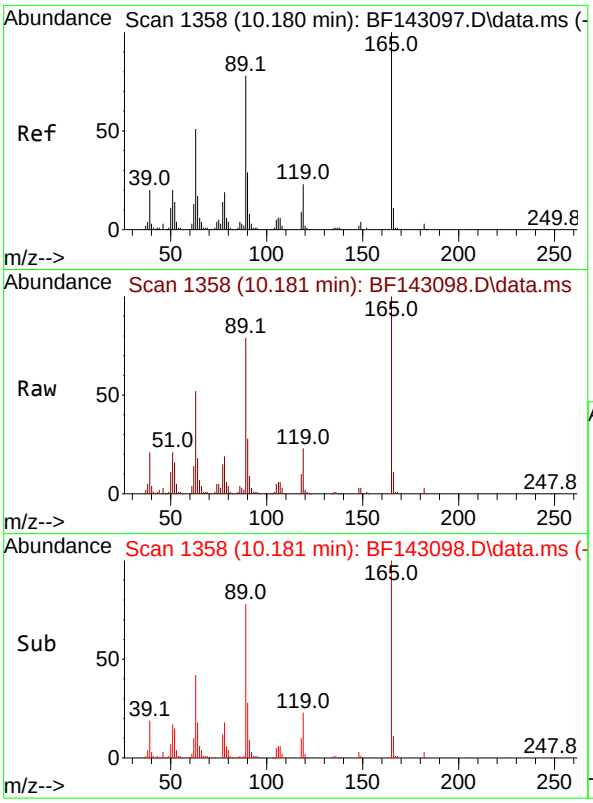


#56
4-Nitrophenol
Concen: 55.203 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:139 Resp: 133073

Ion	Ratio	Lower	Upper
139	100		
109	70.9	49.4	89.4
65	105.2	88.2	128.2



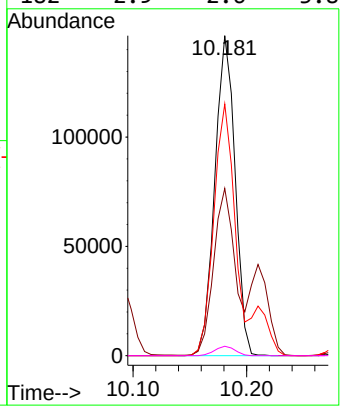


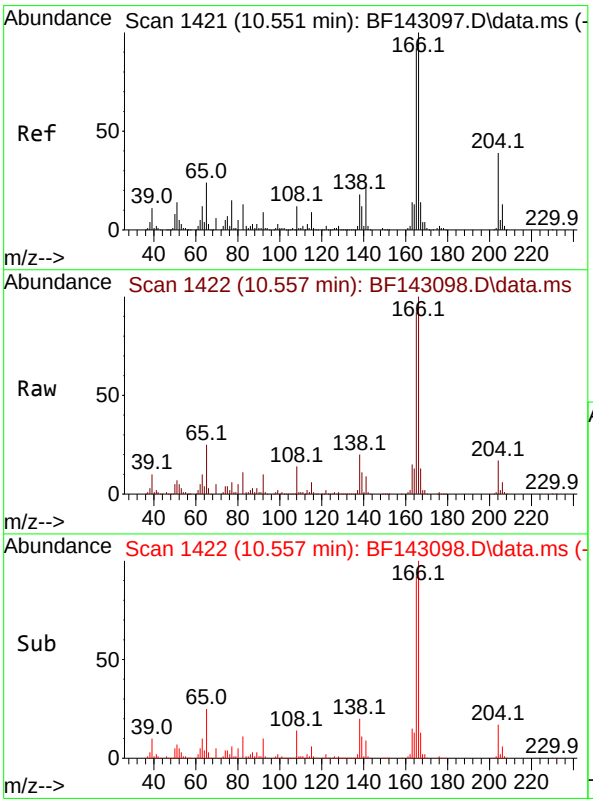
#57
2,4-Dinitrotoluene
Concen: 52.116 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.001 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 181610

Ion	Ratio	Lower	Upper
165	100		
63	52.2	40.6	61.0
89	78.6	62.3	93.5
182	2.9	2.6	3.8

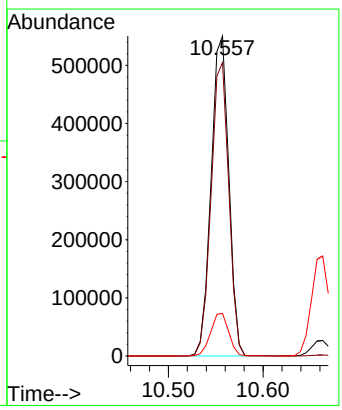


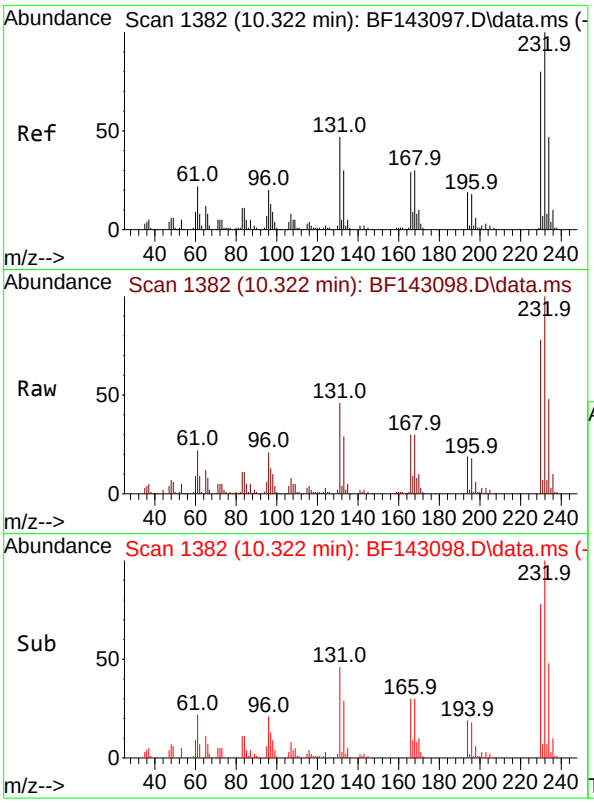


#58
Fluorene
Concen: 49.859 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:166 Resp: 716173

Ion	Ratio	Lower	Upper
166	100		
165	91.7	73.7	110.5
167	13.3	10.9	16.3



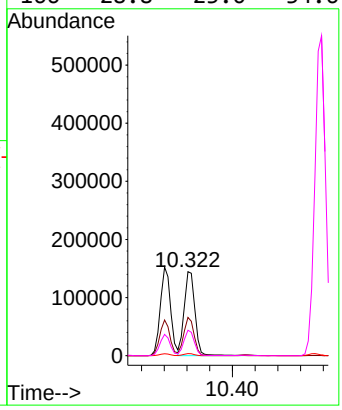


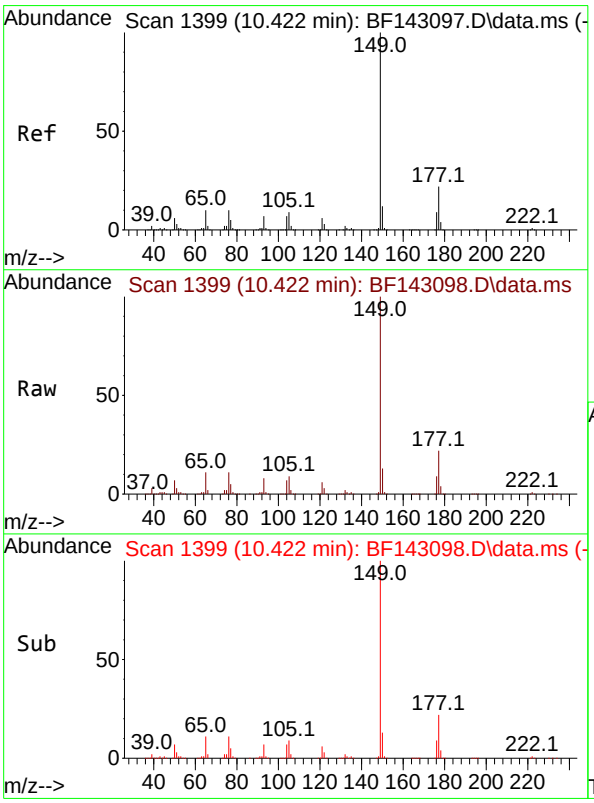
#59
2,3,4,6-Tetrachlorophenol
Concen: 56.202 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 189211

Ion	Ratio	Lower	Upper
232	100		
131	43.8	36.9	55.3
130	2.3	1.8	2.8
166	28.8	23.0	34.6

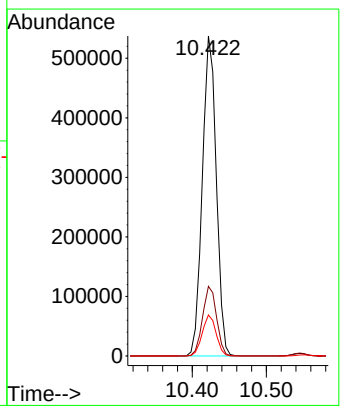


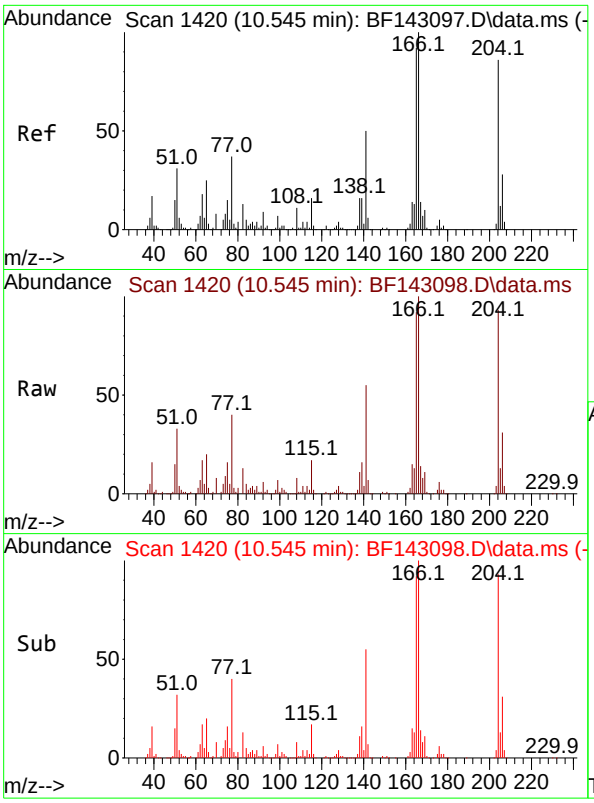


#60
Diethylphthalate
Concen: 51.909 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 702995

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.3	25.9
150	12.8	9.9	14.9



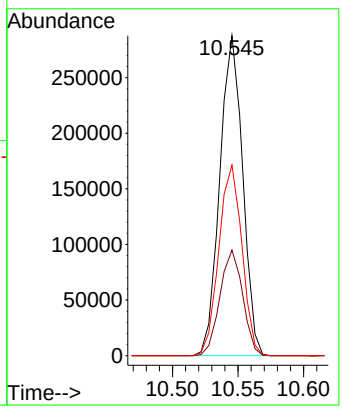


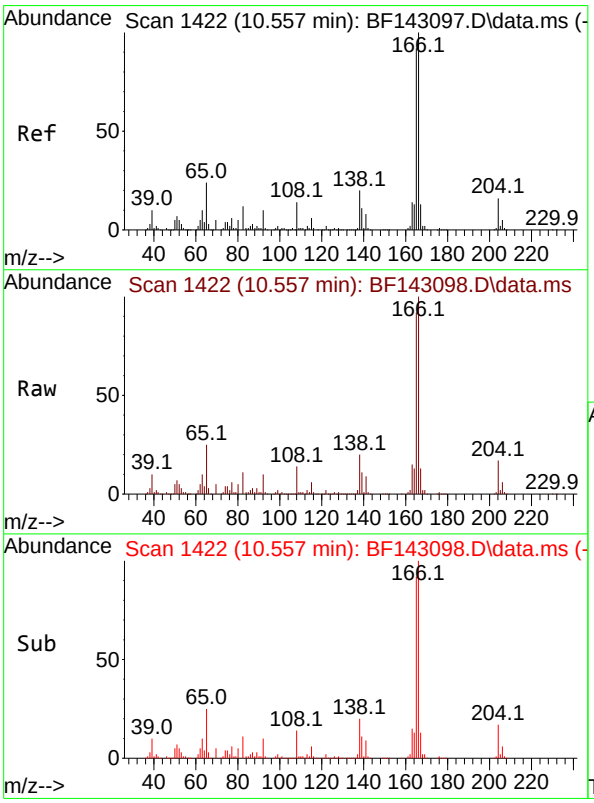
#61
4-Chlorophenyl-phenylether
Concen: 50.675 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 348876

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.6
141	59.6	46.8	70.2

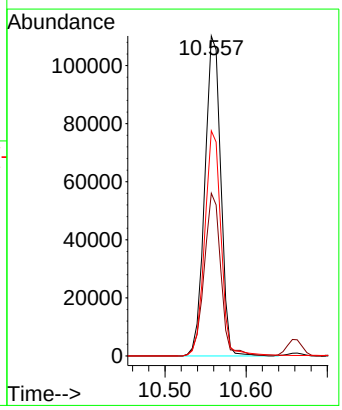


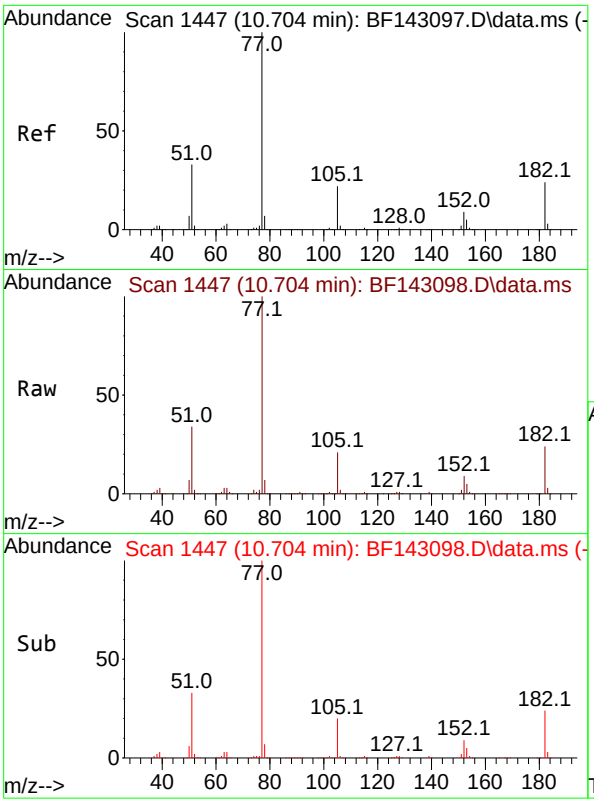


#62
4-Nitroaniline
Concen: 57.045 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:138 Resp: 150470

Ion	Ratio	Lower	Upper
138	100		
92	50.9	30.4	70.4
108	70.3	49.5	89.5



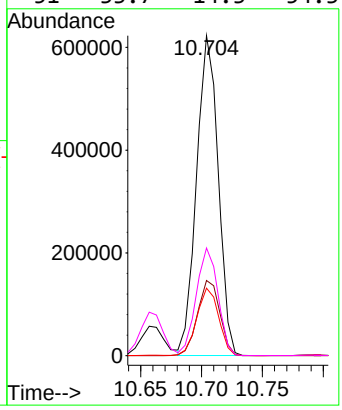


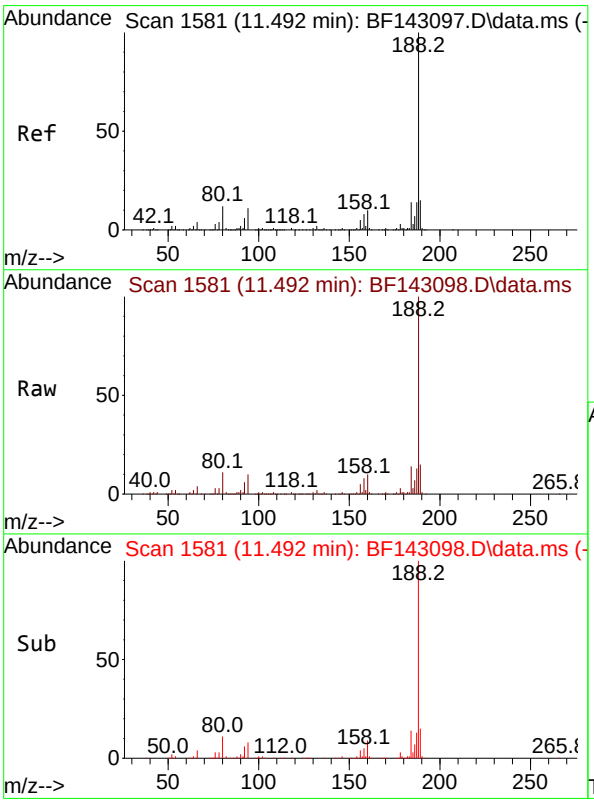
#63
Azobenzene
Concen: 51.451 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 770603

Ion	Ratio	Lower	Upper
77	100		
182	23.5	4.0	44.0
105	21.1	1.4	41.4
51	33.7	14.3	54.3

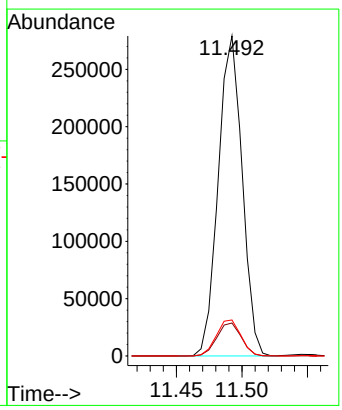


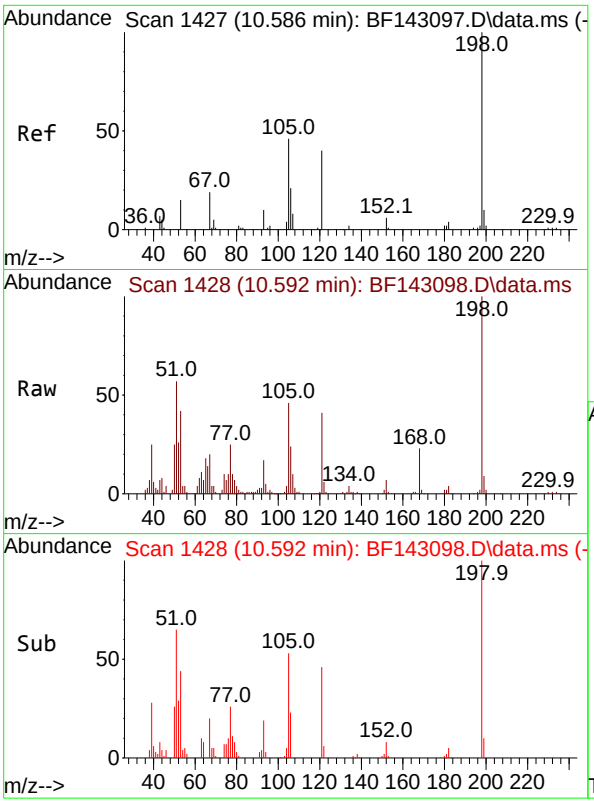


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:188 Resp: 354075

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.6	13.0
80	11.3	9.3	13.9



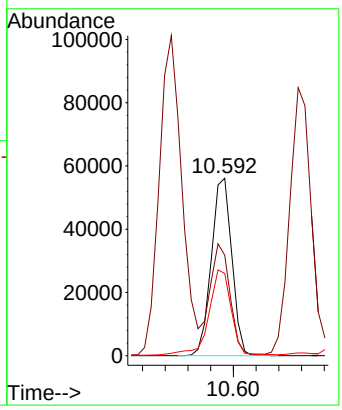


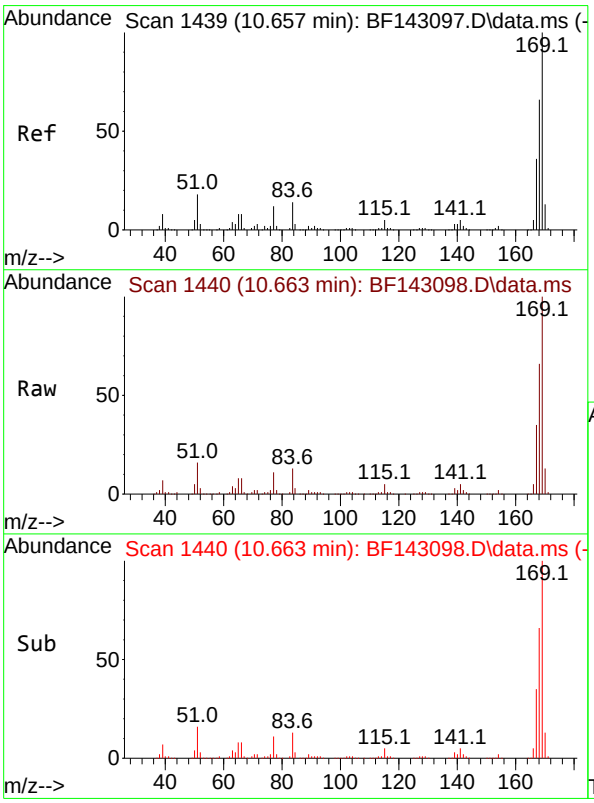
#65
4,6-Dinitro-2-methylphenol
Concen: 51.847 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 70324

Ion	Ratio	Lower	Upper
198	100		
51	56.6	44.6	84.6
105	46.4	29.3	69.3

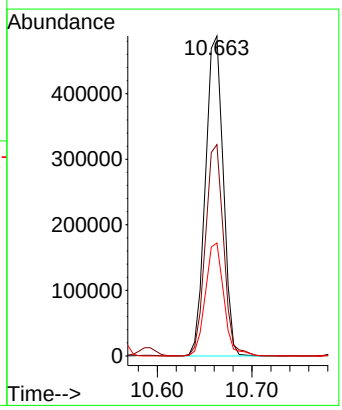


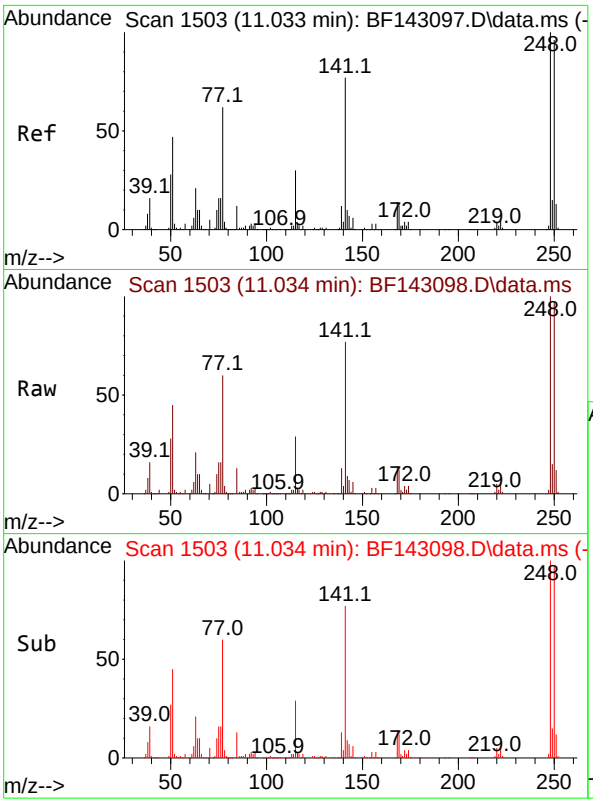


#66
n-Nitrosodiphenylamine
Concen: 51.019 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:169 Resp: 634539

Ion	Ratio	Lower	Upper
169	100		
168	66.1	53.0	79.6
167	35.3	28.4	42.6



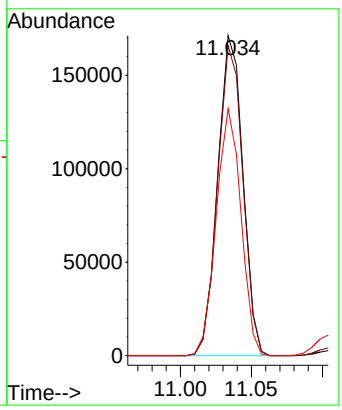


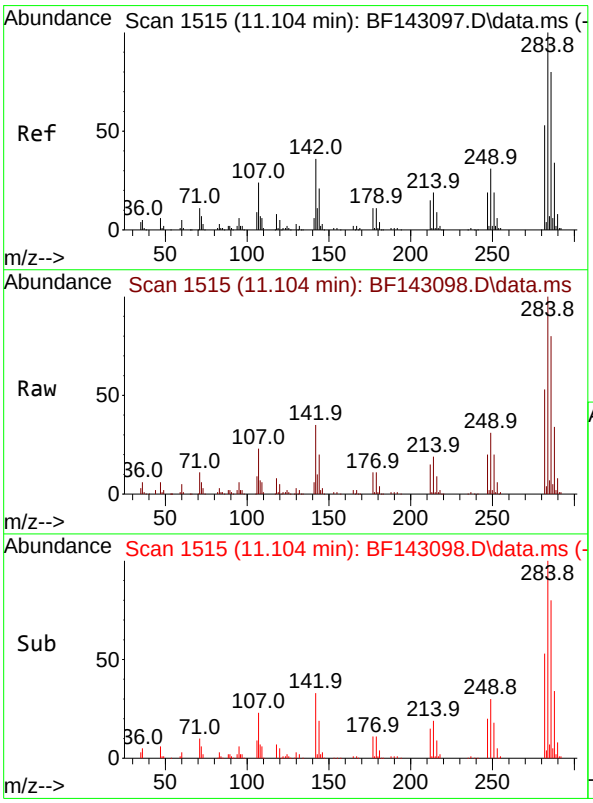
#67
4-Bromophenyl-phenylether
Concen: 52.494 ng
RT: 11.034 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 211371

Ion	Ratio	Lower	Upper
248	100		
250	96.9	76.7	115.1
141	77.2	61.7	92.5

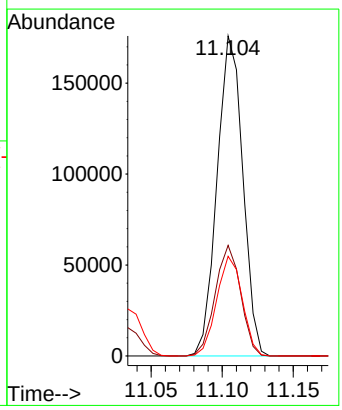


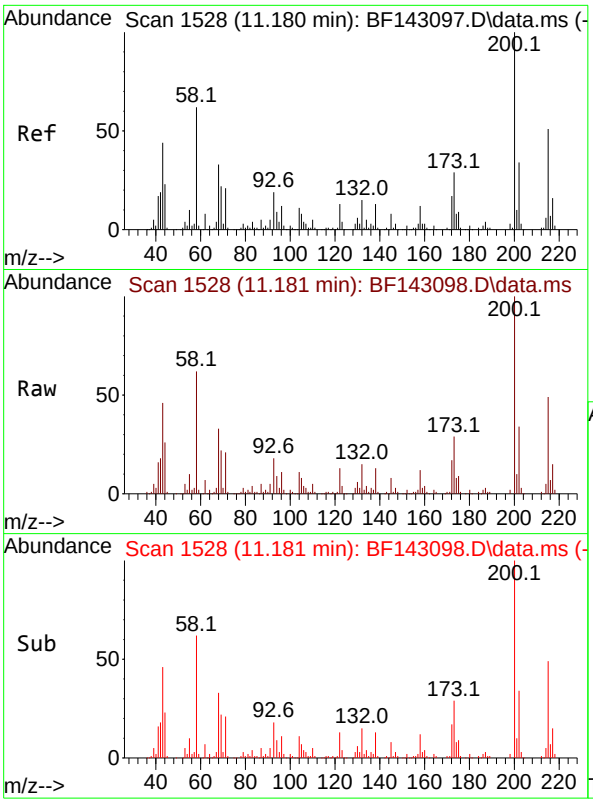


#68
Hexachlorobenzene
Concen: 51.785 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:284 Resp: 221245

Ion	Ratio	Lower	Upper
284	100		
142	34.5	28.9	43.3
249	31.1	24.6	37.0



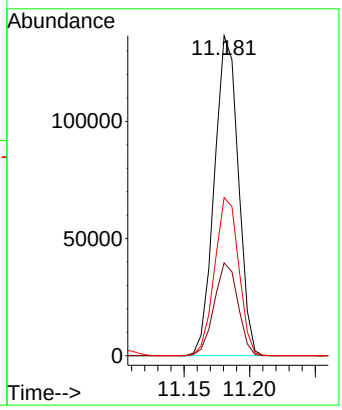


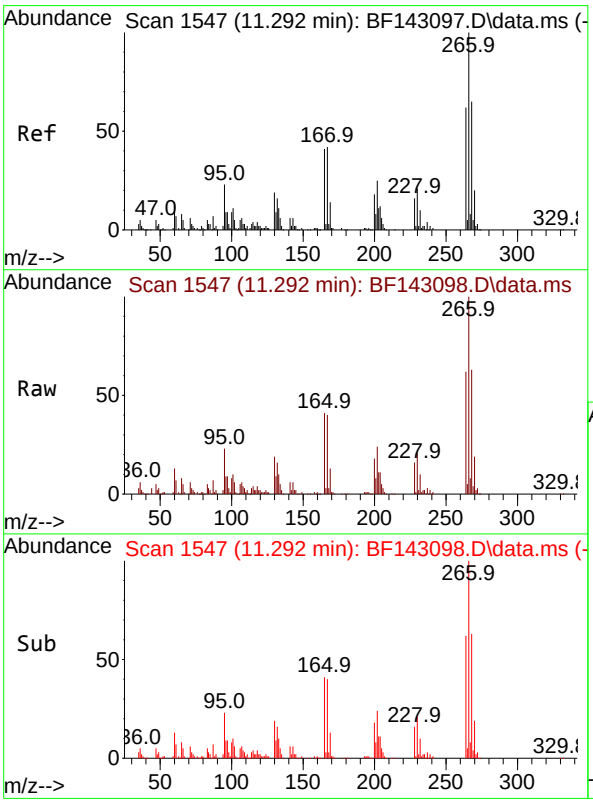
#69
Atrazine
Concen: 54.359 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 172972

Ion	Ratio	Lower	Upper
200	100		
173	29.0	9.1	49.1
215	49.4	31.0	71.0

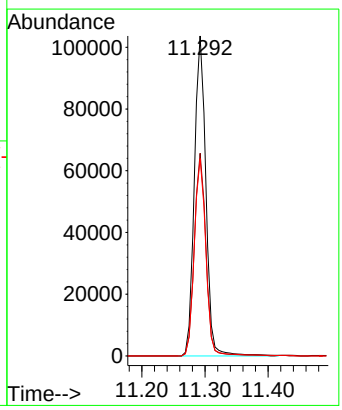


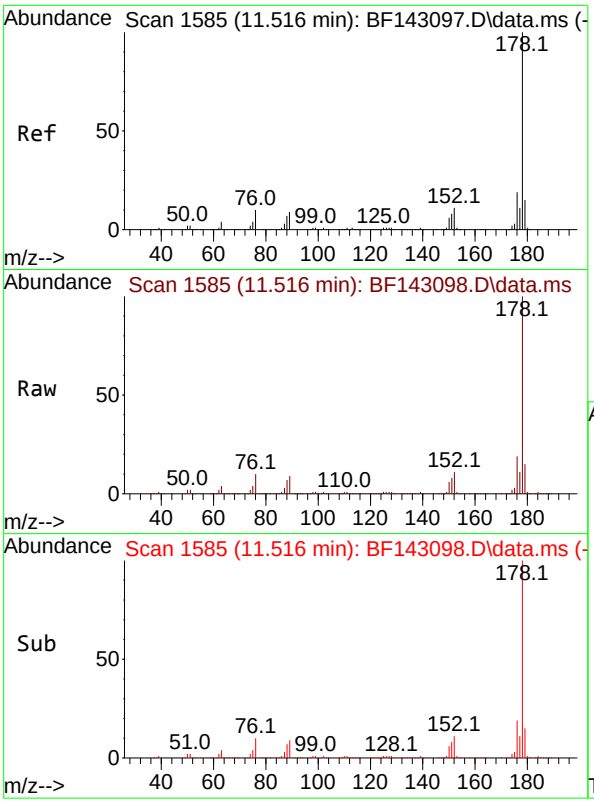


#70
Pentachlorophenol
Concen: 56.120 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:266 Resp: 131545

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.8	77.6
264	61.7	49.7	74.5



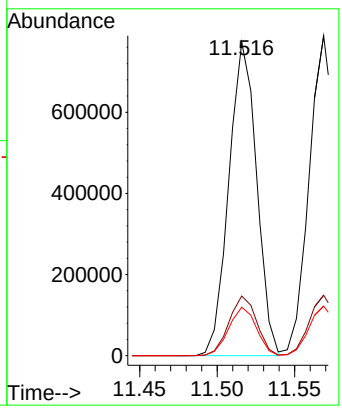


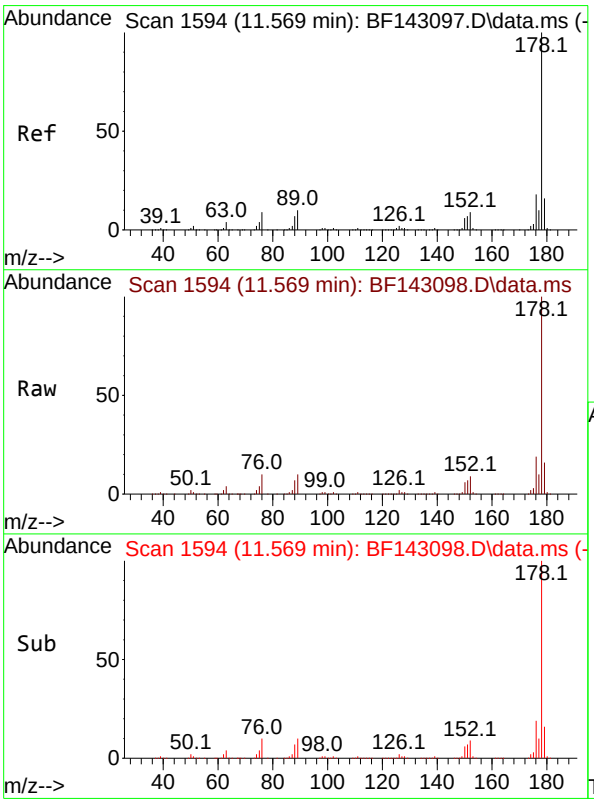
#71
Phenanthrene
Concen: 50.425 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 963568

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.5	12.2	18.4

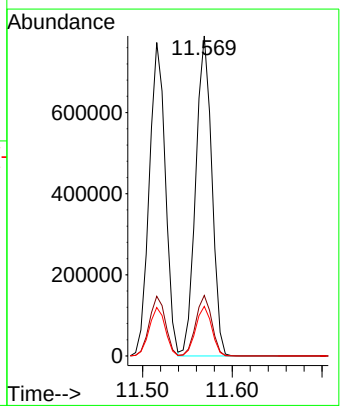


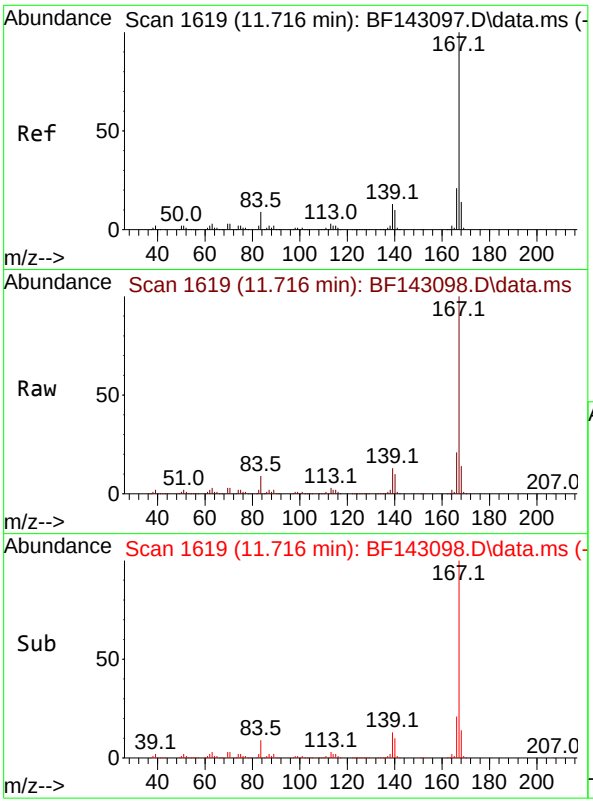


#72
Anthracene
Concen: 50.953 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:178 Resp: 979118

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.5	12.4	18.6



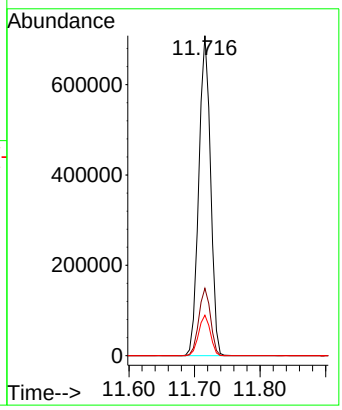


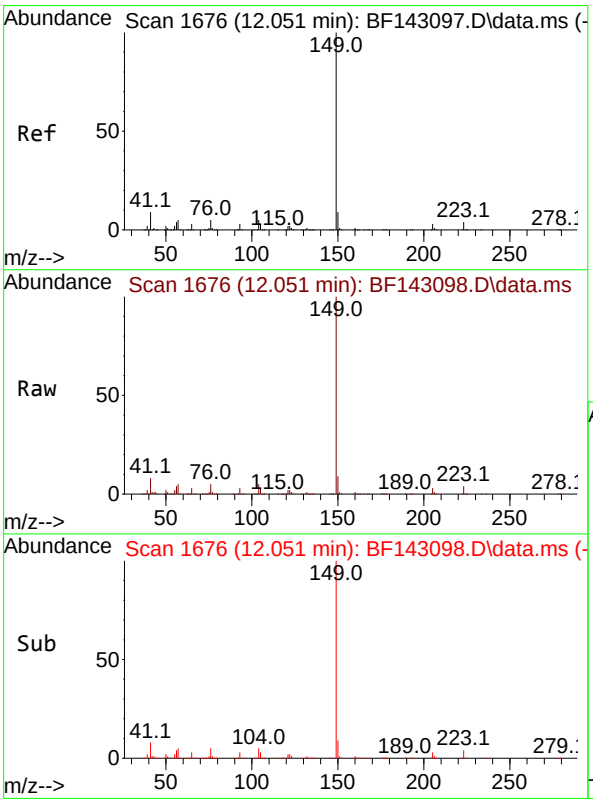
#73
Carbazole
Concen: 51.340 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 883827

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.0	25.4
139	12.7	10.2	15.4

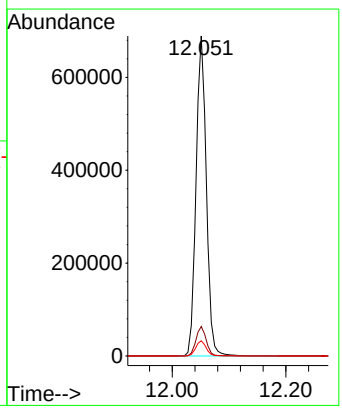


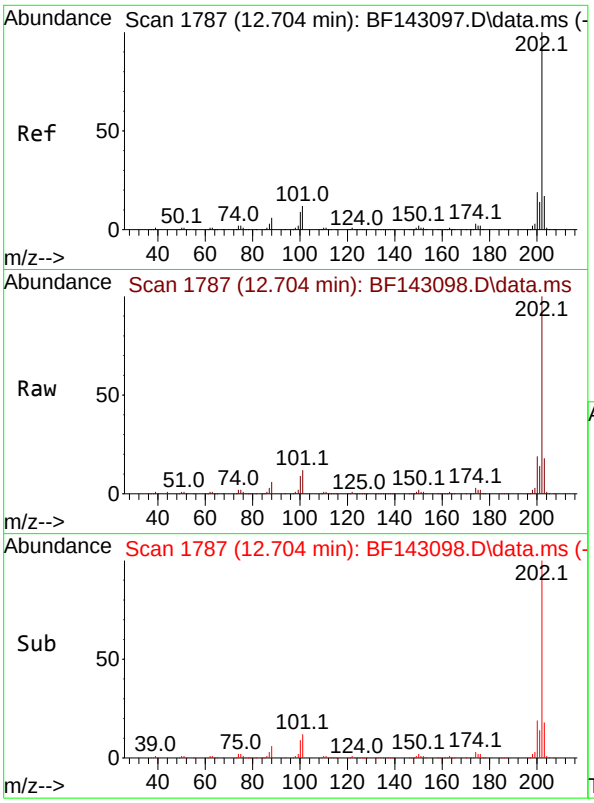


#74
Di-n-butylphthalate
Concen: 55.079 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 870362

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.8	3.8	5.8



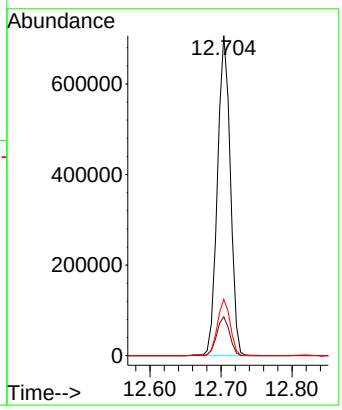


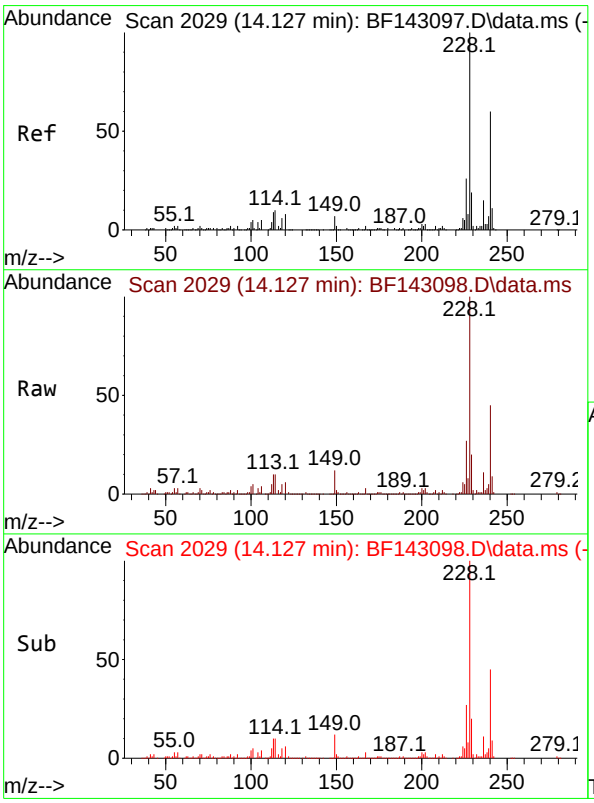
#75
Fluoranthene
Concen: 50.852 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 883558

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.4
203	17.5	0.0	37.4

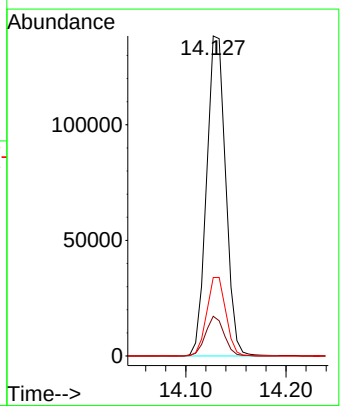


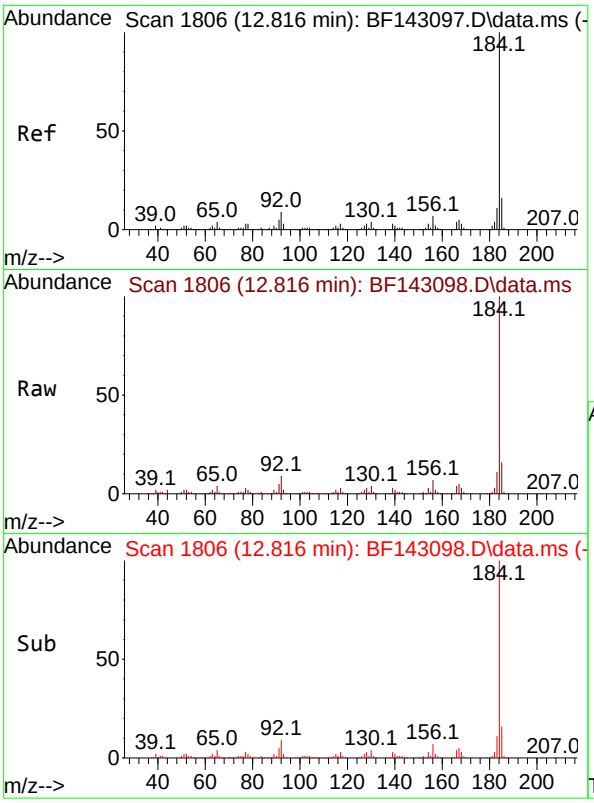


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:240 Resp: 183692

Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.0	15.0
236	24.5	20.0	30.0



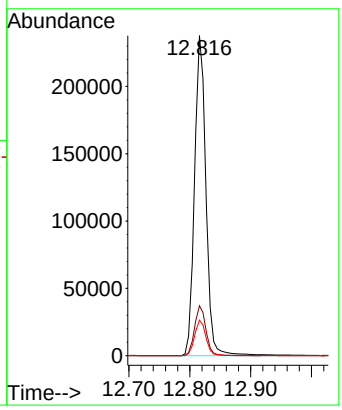


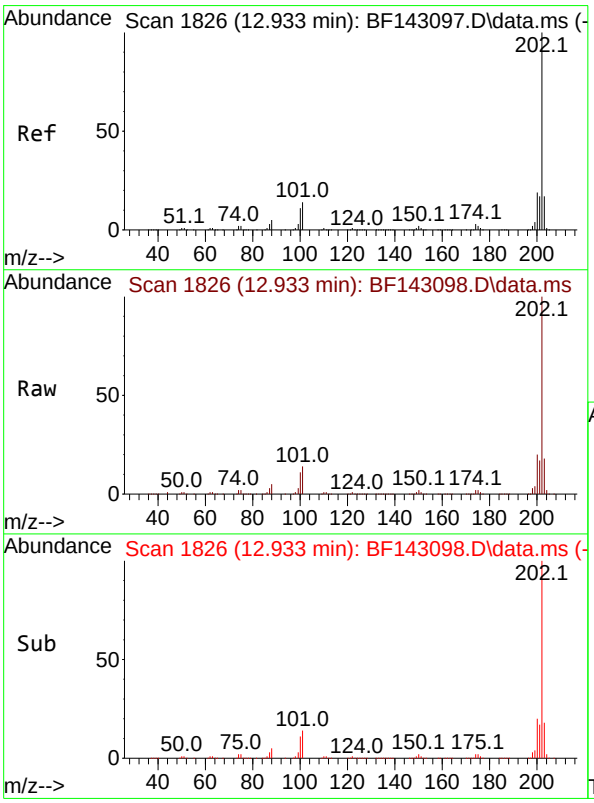
#77
Benzidine
Concen: 49.425 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 309313

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.4	18.6
183	11.1	8.6	12.8

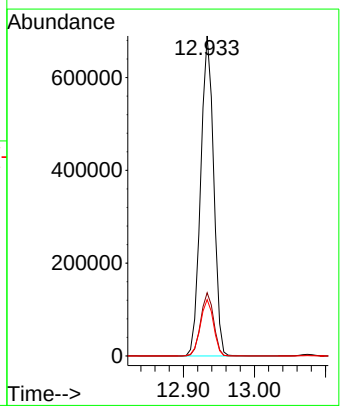


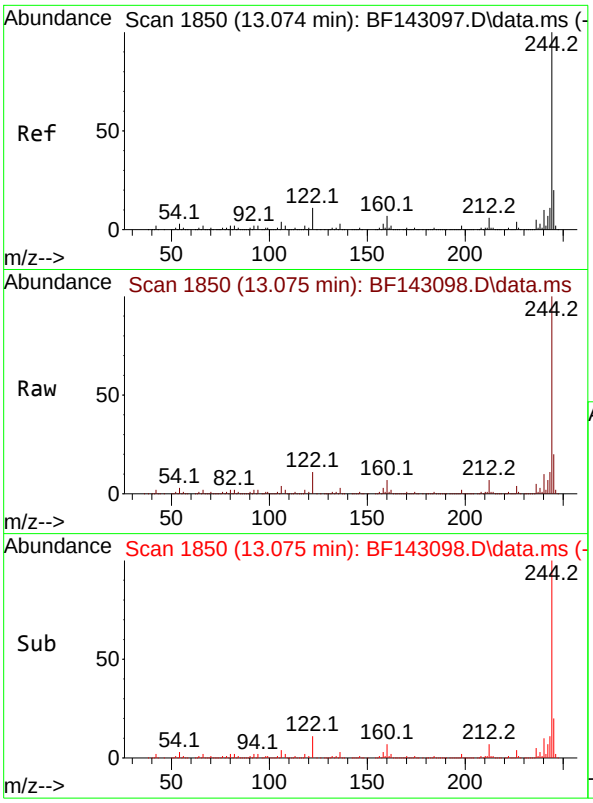


#78
Pyrene
Concen: 51.681 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:202 Resp: 880826

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.5	23.3
203	17.6	14.0	21.0



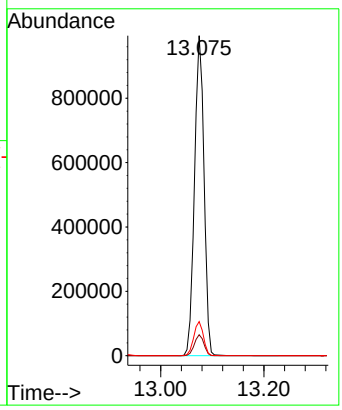


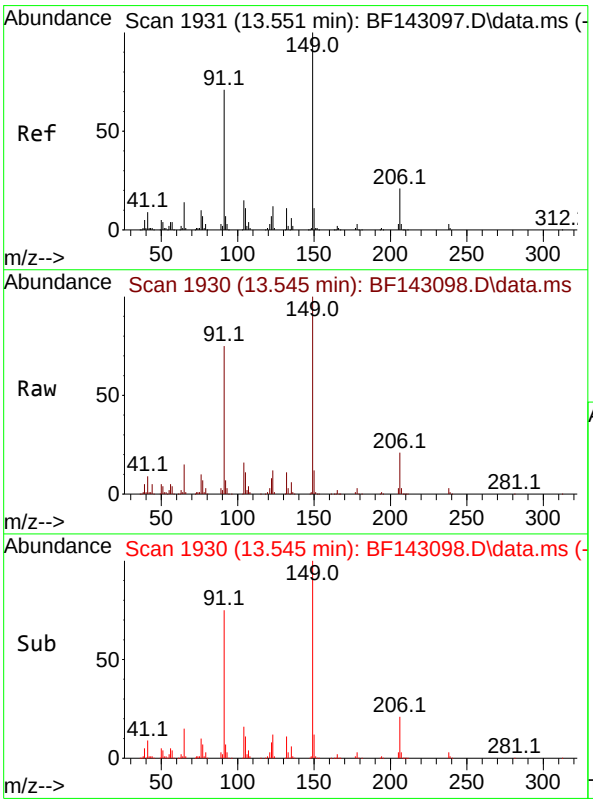
#79
Terphenyl-d14
Concen: 101.195 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1271626

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.7	8.8	13.2

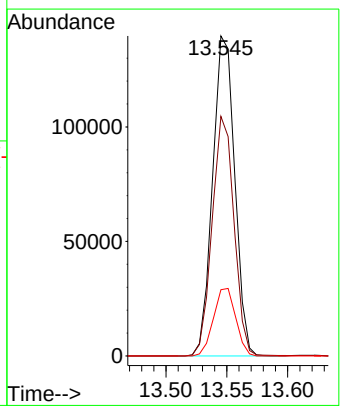


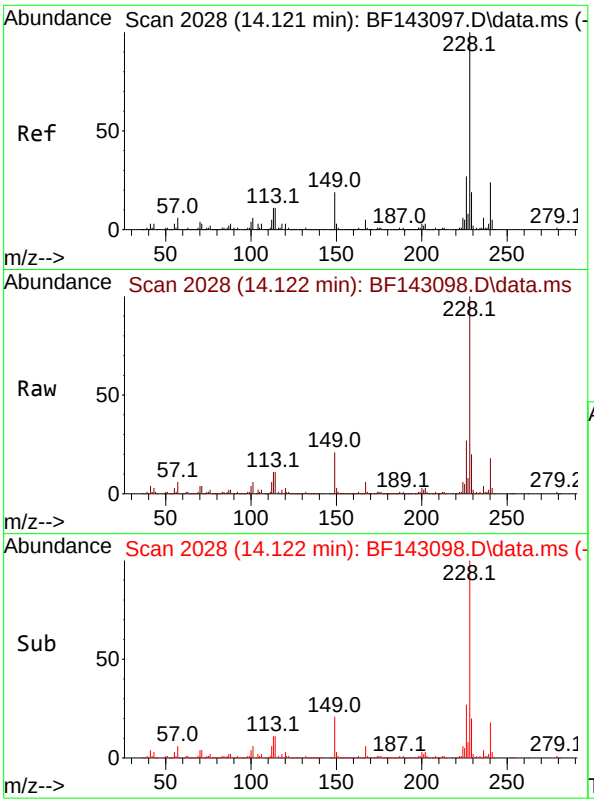


#80
Butylbenzylphthalate
Concen: 51.324 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 176615

Ion	Ratio	Lower	Upper
149	100		
91	74.8	57.0	85.4
206	20.7	17.2	25.8



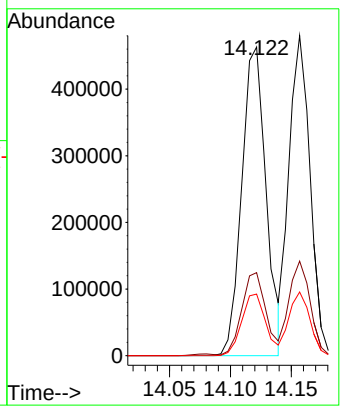


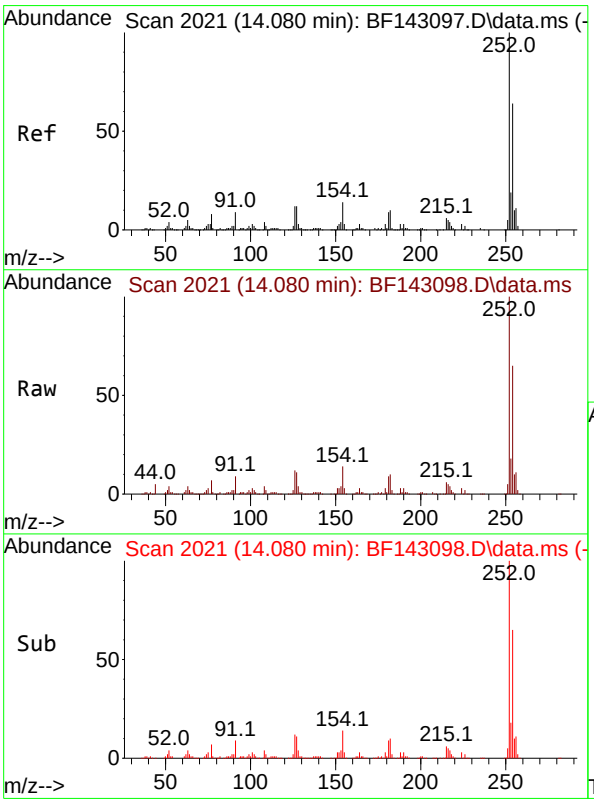
#81
Benzo(a)anthracene
Concen: 52.641 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 644353

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.3	31.9
229	20.0	15.5	23.3

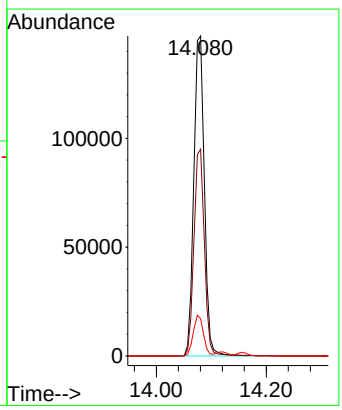


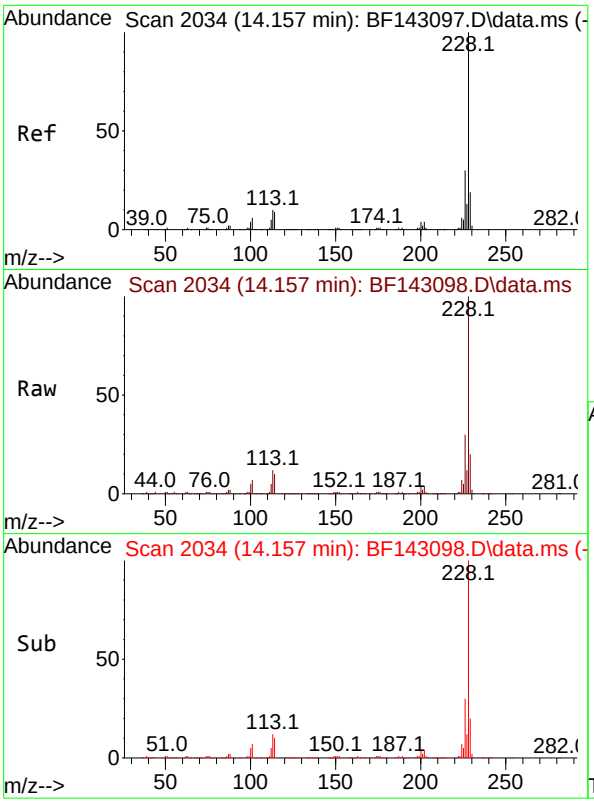


#82
3,3'-Dichlorobenzidine
Concen: 55.273 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 196472

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.5	77.3
126	11.7	9.4	14.0



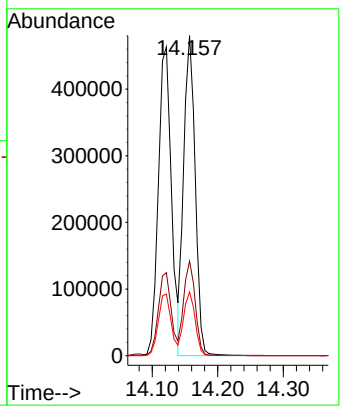


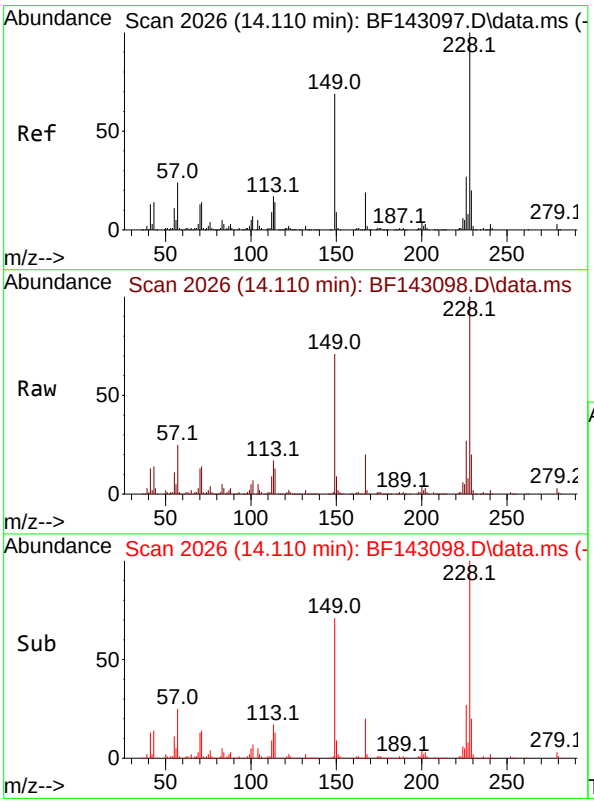
#83
Chrysene
Concen: 51.740 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 583302

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	19.9	15.3	22.9

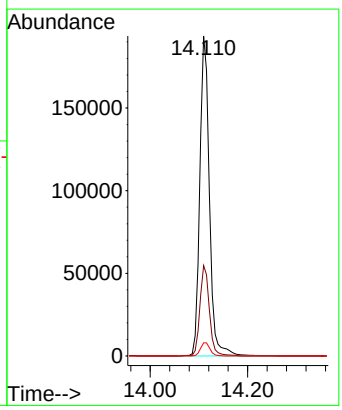


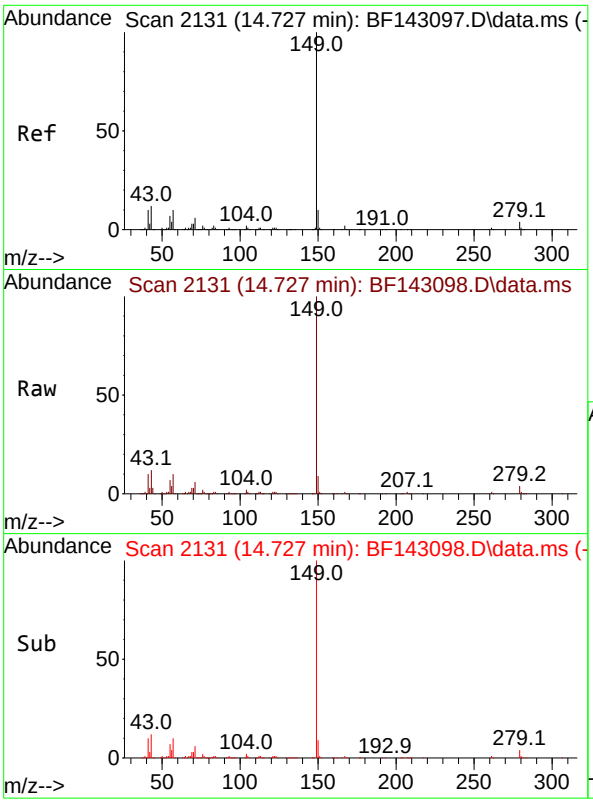


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.119 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:149 Resp: 265225

Ion	Ratio	Lower	Upper
149	100		
167	28.2	21.9	32.9
279	4.1	3.4	5.0



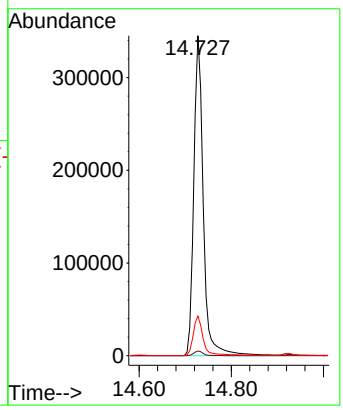


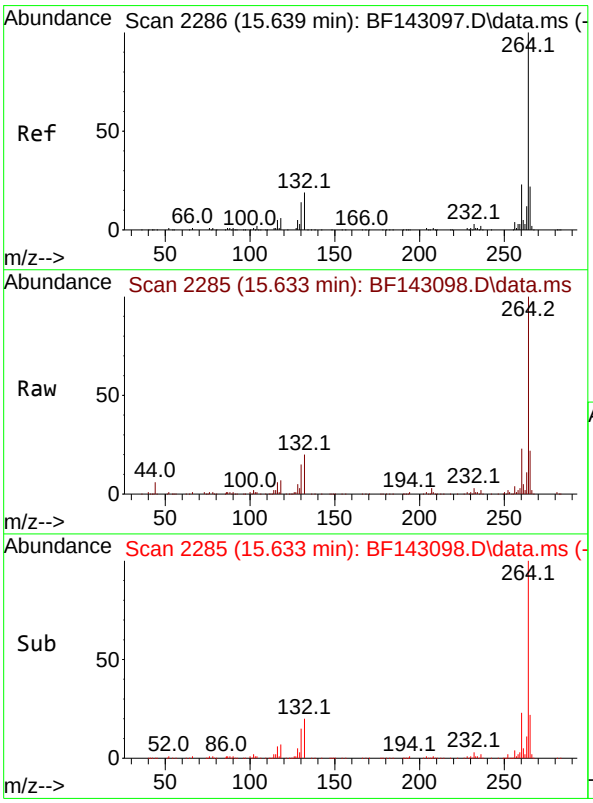
#85
Di-n-octyl phthalate
Concen: 50.100 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 492840

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	13.0	10.6	16.0

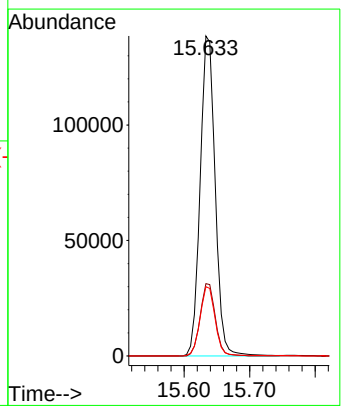


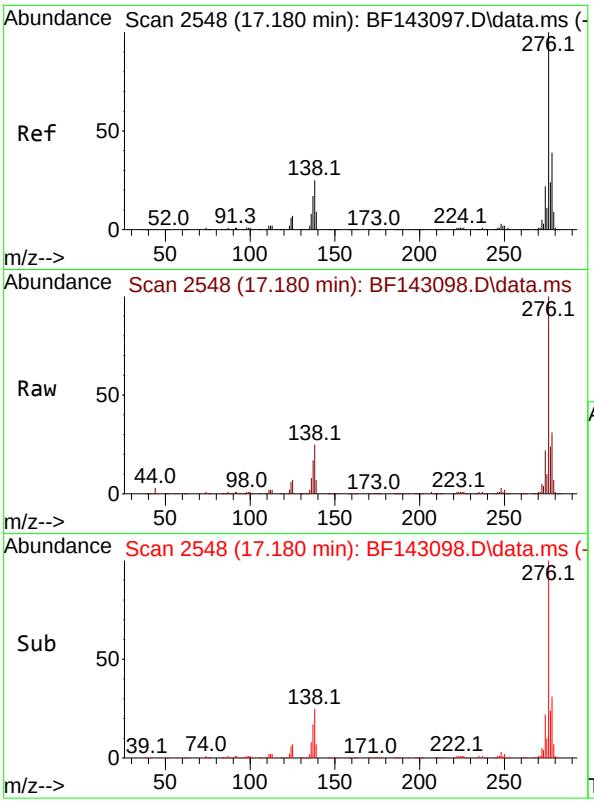


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. -0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:264 Resp: 221502

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.7	17.5	26.3



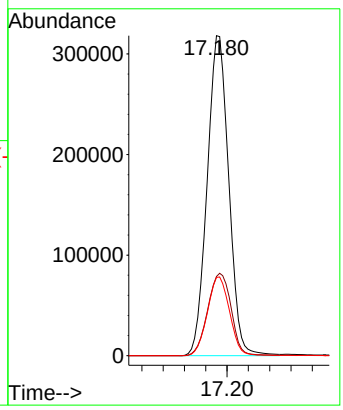


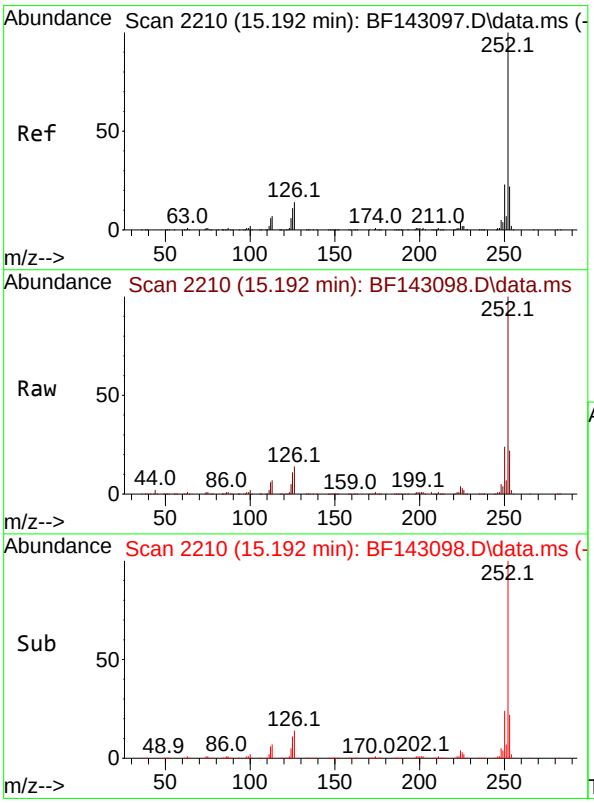
#87
Indeno(1,2,3-cd)pyrene
Concen: 54.440 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 896872

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.6	34.0
277	25.4	20.2	30.2

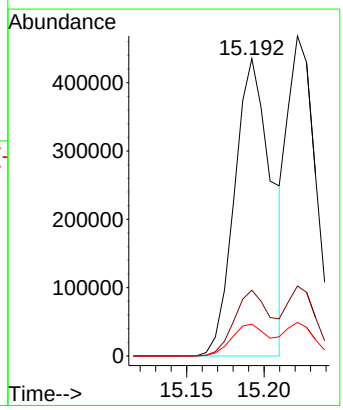


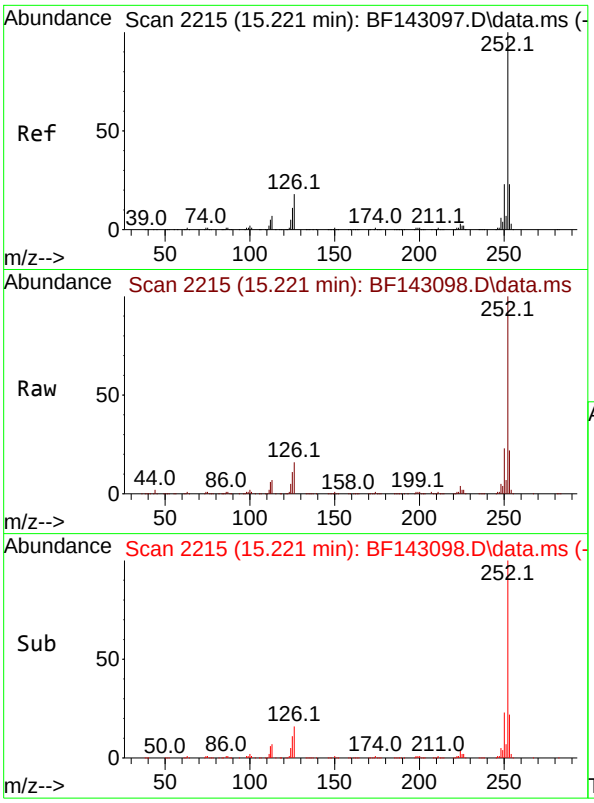


#88
Benzo(b)fluoranthene
Concen: 56.204 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 718106

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.7	8.6	13.0



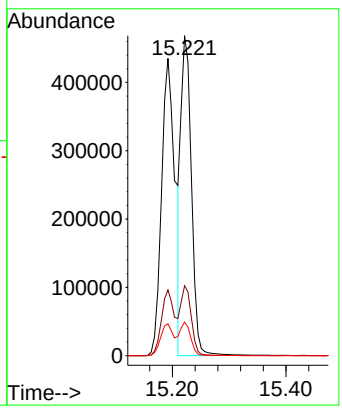


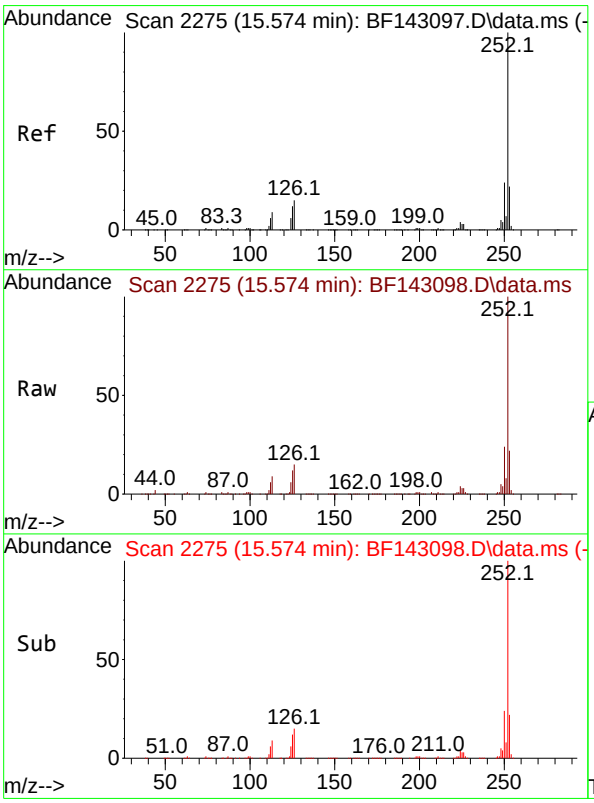
#89
Benzo(k)fluoranthene
Concen: 49.410 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 602261

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.5	8.5	12.7

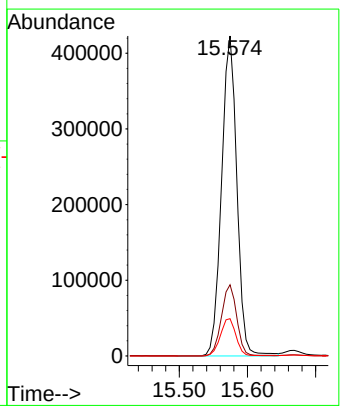


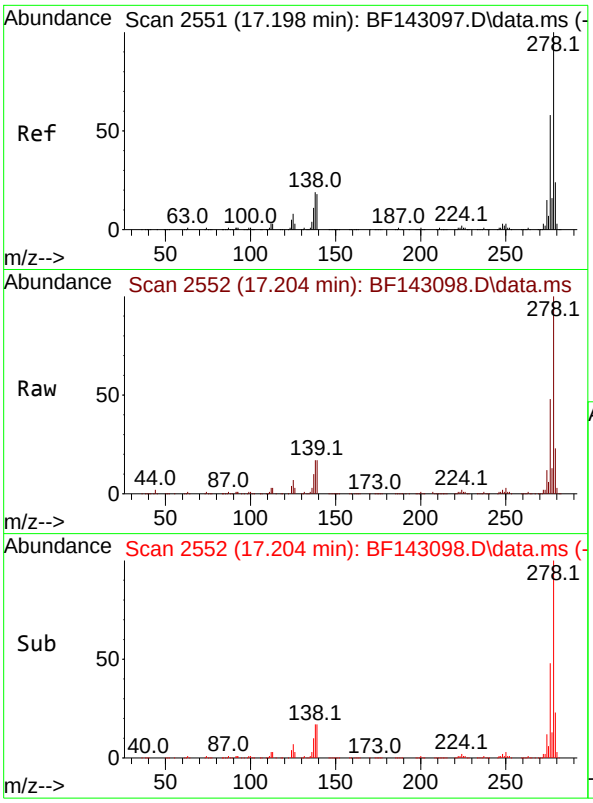


#90
Benzo(a)pyrene
Concen: 54.800 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:252 Resp: 662193

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	11.6	9.4	14.0



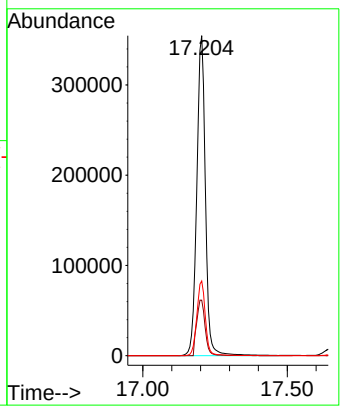


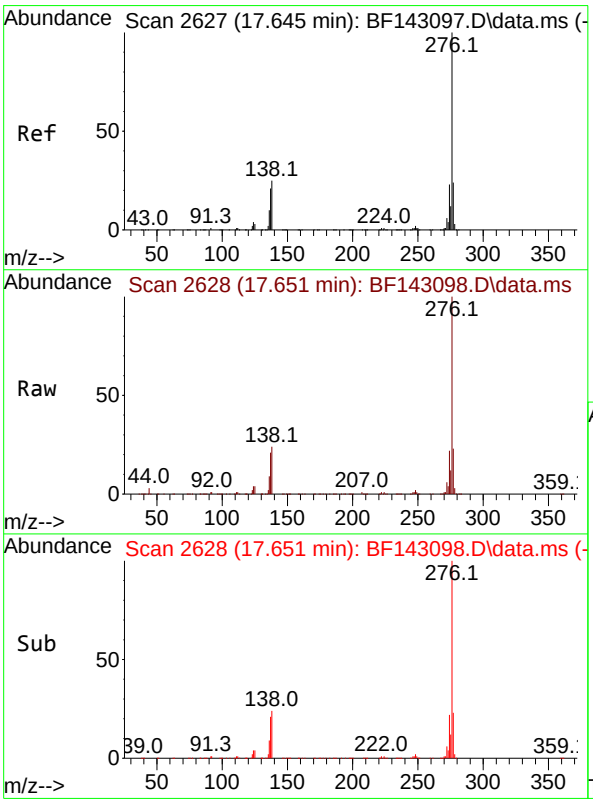
#91
Dibenzo(a,h)anthracene
Concen: 54.700 ng
RT: 17.204 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 736672

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.6	22.0
279	23.3	18.8	28.2

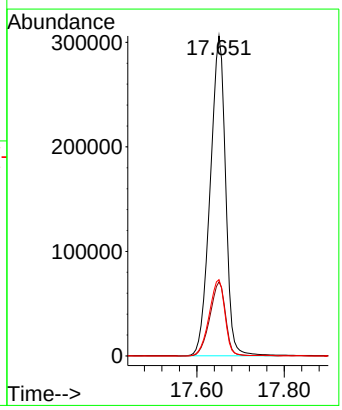




#92
Benzo(g,h,i)perylene
Concen: 54.390 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143098.D
Acq: 15 Jul 2025 15:35

Tgt Ion:276 Resp: 746789

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.2	28.8
138	23.8	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	133949	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	501735	20.000	ng		0.00
39) Acenaphthene-d10	10.010	164	246002	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	380313	20.000	ng		0.00
76) Chrysene-d12	14.133	240	205942	20.000	ng		0.00
86) Perylene-d12	15.639	264	260121	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	990040	116.776	ng		0.00
7) Phenol-d6	6.593	99	1243617	116.695	ng		0.00
23) Nitrobenzene-d5	7.534	82	1172838	131.129	ng		0.00
42) 2,4,6-Tribromophenol	10.798	330	286830	130.765	ng		0.00
45) 2-Fluorobiphenyl	9.328	172	1999612	108.050	ng		0.00
79) Terphenyl-d14	13.075	244	1539271	109.260	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	251636	59.625	ng		100
3) Pyridine	3.587	79	647877	60.624	ng		99
4) n-Nitrosodimethylamine	3.534	42	337438	60.943	ng		100
6) Aniline	6.634	93	882633	58.815	ng		100
8) 2-Chlorophenol	6.757	128	516965	60.690	ng		98
9) Benzaldehyde	6.522	77	467499	57.571	ng		99
10) Phenol	6.604	94	716983	62.147	ng		97
11) bis(2-Chloroethyl)ether	6.704	93	518695	58.076	ng		99
12) 1,3-Dichlorobenzene	6.916	146	557813	57.965	ng		99
13) 1,4-Dichlorobenzene	6.987	146	556805	57.513	ng		99
14) 1,2-Dichlorobenzene	7.140	146	530965	57.510	ng		98
15) Benzyl Alcohol	7.104	79	477773	60.505	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.245	45	941009	57.157	ng		99
17) 2-Methylphenol	7.210	107	432787	58.876	ng		99
18) Hexachloroethane	7.487	117	191457	60.747	ng		99
19) n-Nitroso-di-n-propyla...	7.387	70	379882	58.184	ng		98
20) 3+4-Methylphenols	7.369	107	519658	57.645	ng		98
22) Acetophenone	7.375	105	679007	56.141	ng	#	92
24) Nitrobenzene	7.551	77	550668	63.778	ng		99
25) Isophorone	7.793	82	1033650	59.793	ng		100
26) 2-Nitrophenol	7.863	139	219665	62.382	ng		98
27) 2,4-Dimethylphenol	7.898	122	474411	59.127	ng		98
28) bis(2-Chloroethoxy)met...	7.992	93	608314	58.029	ng		100
29) 2,4-Dichlorophenol	8.104	162	408655	62.256	ng		99
30) 1,2,4-Trichlorobenzene	8.192	180	431427	57.913	ng		98
31) Naphthalene	8.275	128	1410509	56.612	ng		100
32) Benzoic acid	8.010	122	244396	59.376	ng		97
33) 4-Chloroaniline	8.316	127	574196	57.309	ng		99
34) Hexachlorobutadiene	8.398	225	265081	59.499	ng		99
35) Caprolactam	8.687	113	129583	63.219	ng		97
36) 4-Chloro-3-methylphenol	8.792	107	440907	60.299	ng		98
37) 2-Methylnaphthalene	8.963	142	846190	56.930	ng		100
38) 1-Methylnaphthalene	9.063	142	869460	56.399	ng		100
40) 1,2,4,5-Tetrachloroben...	9.134	216	414099	57.762	ng		99
41) Hexachlorocyclopentadiene	9.122	237	262731	66.101	ng		98
43) 2,4,6-Trichlorophenol	9.239	196	290245	65.157	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	277922	59.502	ng		99
46) 1,1'-Biphenyl	9.428	154	1103990	56.274	ng		100
47) 2-Chloronaphthalene	9.451	162	826528	57.350	ng		98
48) 2-Nitroaniline	9.539	65	267636	61.259	ng		98
49) Acenaphthylene	9.869	152	1378196	57.388	ng		100
50) Dimethylphthalate	9.728	163	899456	58.118	ng		100
51) 2,6-Dinitrotoluene	9.781	165	193185	62.287	ng		93
52) Acenaphthene	10.045	154	802583	56.633	ng		99
53) 3-Nitroaniline	9.951	138	230773	69.008	ng		96
54) 2,4-Dinitrophenol	10.051	184	66479	61.314	ng	#	4
55) Dibenzofuran	10.216	168	1184002	56.052	ng		100
56) 4-Nitrophenol	10.098	139	174657	65.716	ng		96
57) 2,4-Dinitrotoluene	10.186	165	235488	60.695	ng		99
58) Fluorene	10.557	166	875218	55.265	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	238428	64.235	ng		98
60) Diethylphthalate	10.428	149	876047	58.672	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	432659	57.000	ng		99
62) 4-Nitroaniline	10.563	138	194271	66.802	ng		97
63) Azobenzene	10.704	77	946204	57.300	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	96305	62.285	ng		98
66) n-Nitrosodiphenylamine	10.663	169	781087	58.469	ng		100
67) 4-Bromophenyl-phenylether	11.039	248	260491	60.229	ng		96
68) Hexachlorobenzene	11.110	284	273112	59.515	ng		95
69) Atrazine	11.186	200	211351	61.838	ng		99
70) Pentachlorophenol	11.292	266	165676	65.805	ng		99
71) Phenanthrene	11.516	178	1165047	56.762	ng		99
72) Anthracene	11.569	178	1188635	57.589	ng		100
73) Carbazole	11.716	167	1057291	57.179	ng		100
74) Di-n-butylphthalate	12.051	149	1074246	63.291	ng		100
75) Fluoranthene	12.704	202	1069898	57.328	ng		100
77) Benzidine	12.816	184	380587	54.244	ng		100
78) Pyrene	12.933	202	1060216	55.485	ng		99
80) Butylbenzylphthalate	13.551	149	243805	62.406	ng		98
81) Benzo(a)anthracene	14.122	228	819246	59.697	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	254086	63.758	ng		99
83) Chrysene	14.157	228	758916	60.044	ng		99
84) Bis(2-ethylhexyl)phtha...	14.110	149	364902	61.957	ng		100
85) Di-n-octyl phthalate	14.727	149	688940	60.817	ng		98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1185702	61.286	ng		99
88) Benzo(b)fluoranthene	15.192	252	924866	61.640	ng		100
89) Benzo(k)fluoranthene	15.227	252	827274	57.794	ng		99
90) Benzo(a)pyrene	15.574	252	876856	61.791	ng		100
91) Dibenzo(a,h)anthracene	17.210	278	953666	60.300	ng		99
92) Benzo(g,h,i)perylene	17.657	276	982960	60.962	ng		99

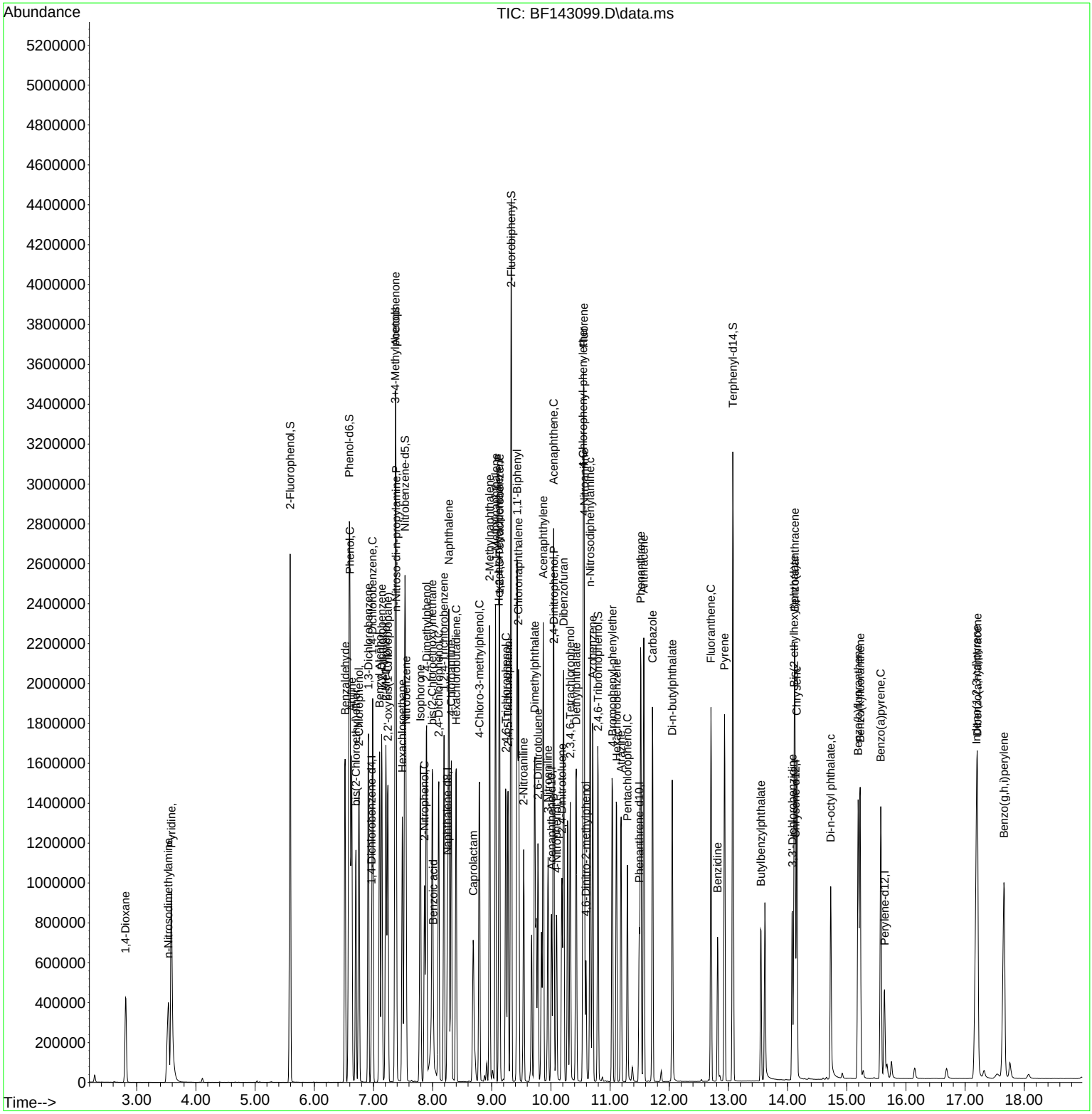
(#) = qualifier out of range (m) = manual integration (+) = signals summed

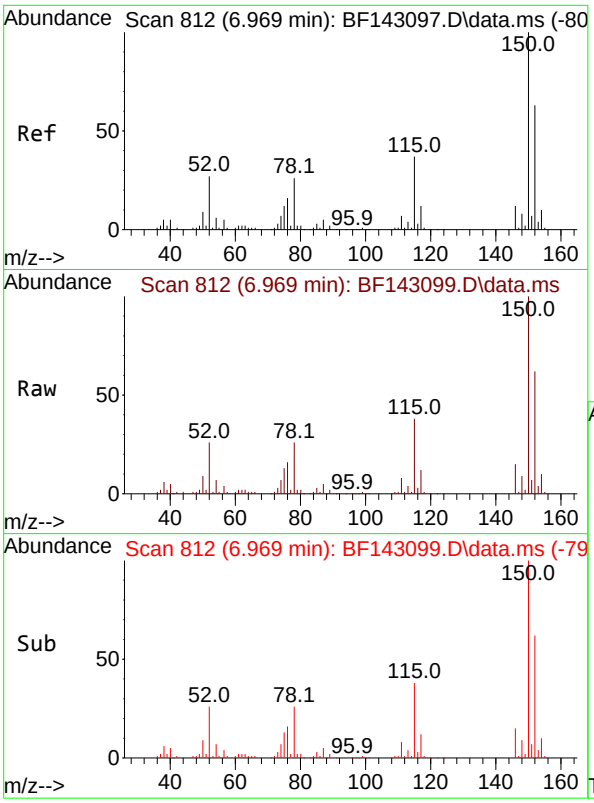
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143099.D
Acq On : 15 Jul 2025 16:05
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 15 17:41:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



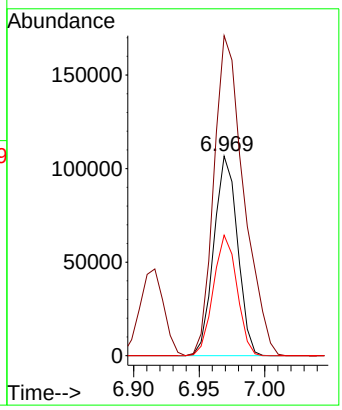


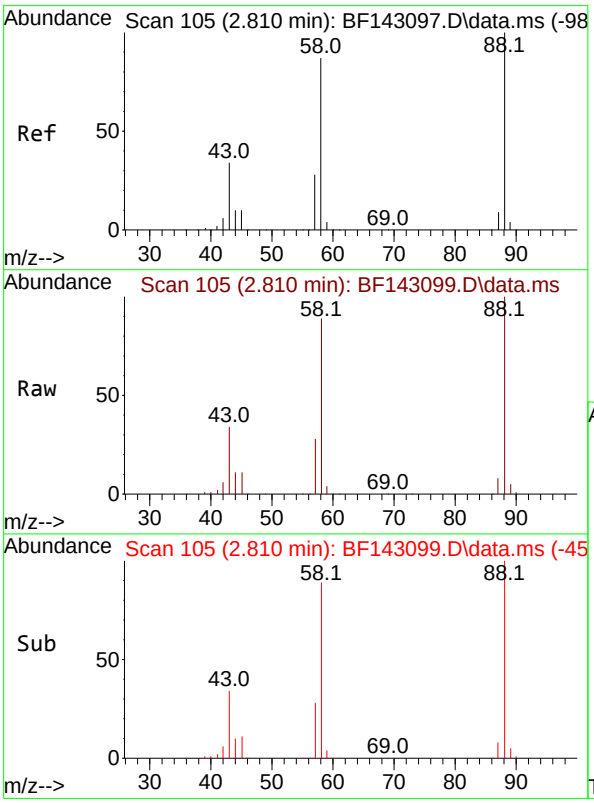
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 133949

Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.5	189.7
115	60.4	47.0	70.6

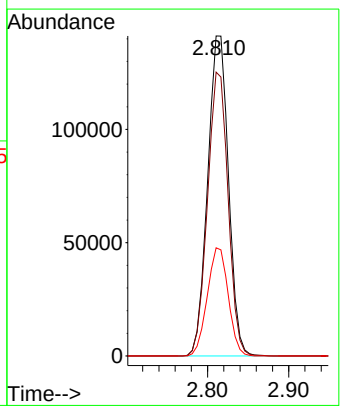


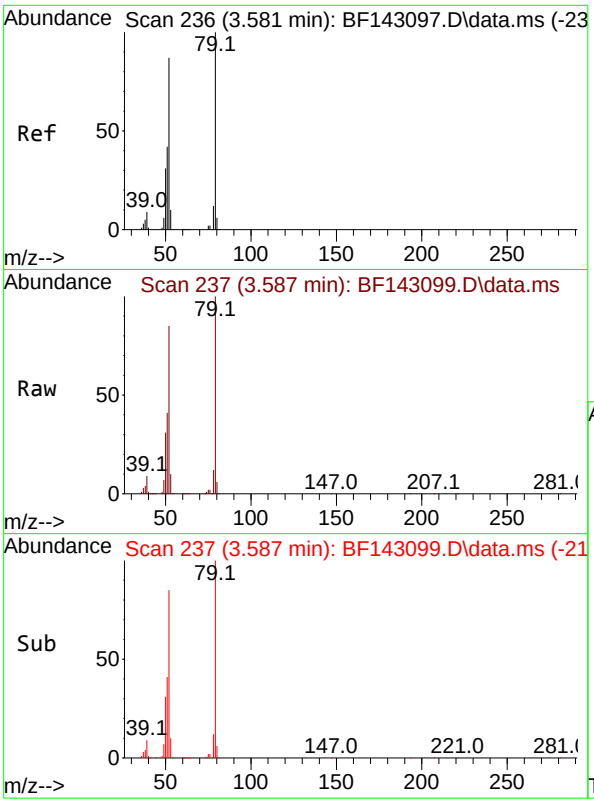


#2
1,4-Dioxane
Concen: 59.625 ng
RT: 2.810 min Scan# 105
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 88 Resp: 251636

Ion	Ratio	Lower	Upper
88	100		
58	87.7	70.5	105.7
43	34.0	27.3	40.9



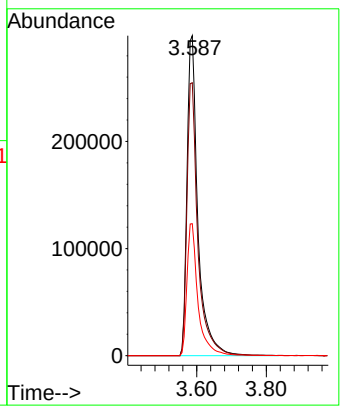


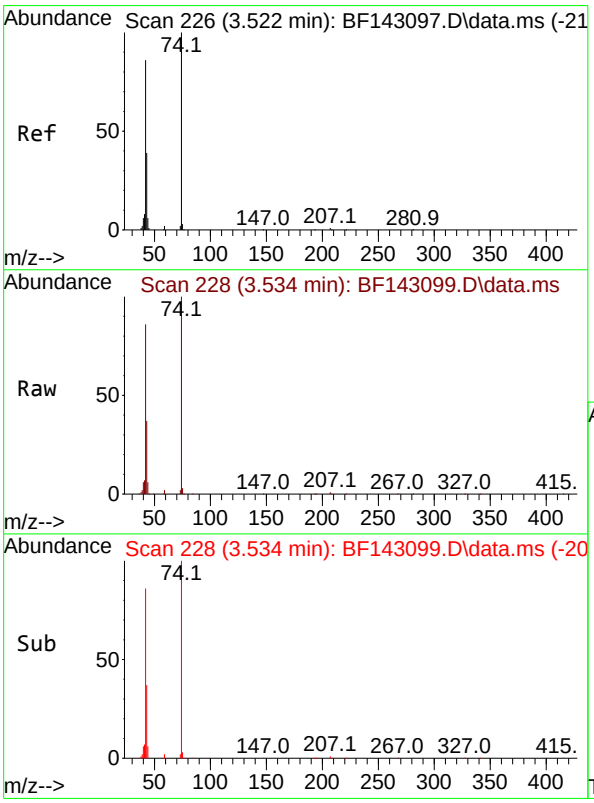
#3
Pyridine
Concen: 60.624 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 647877

Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.2	103.8
51	41.3	33.3	49.9

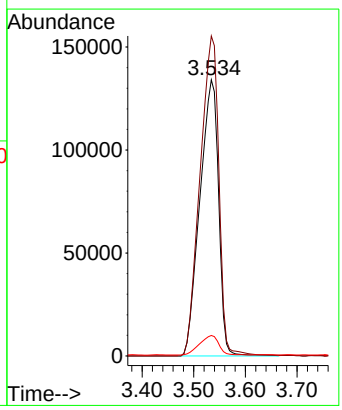


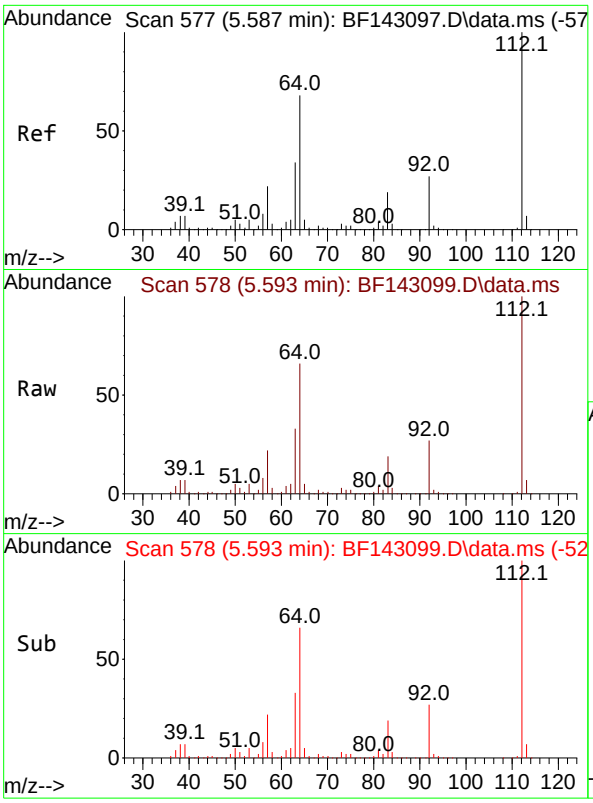


#4
n-Nitrosodimethylamine
Concen: 60.943 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 42 Resp: 337438

Ion	Ratio	Lower	Upper
42	100		
74	115.8	92.8	139.2
44	7.4	5.8	8.6



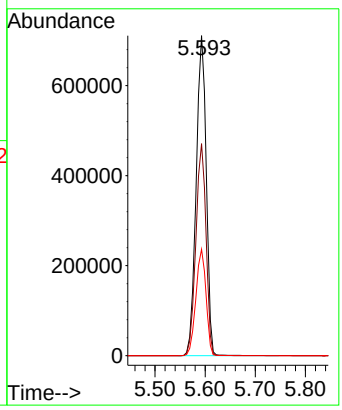


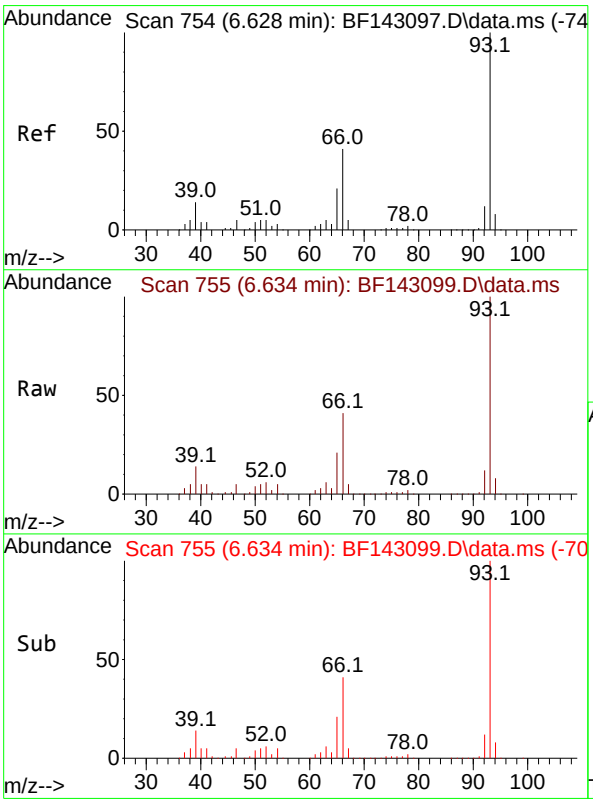
#5
2-Fluorophenol
Concen: 116.776 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 990040

Ion	Ratio	Lower	Upper
112	100		
64	66.2	54.6	82.0
63	33.2	27.3	40.9

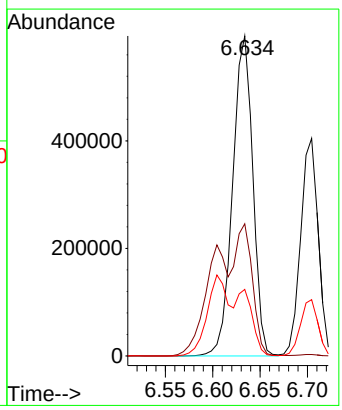


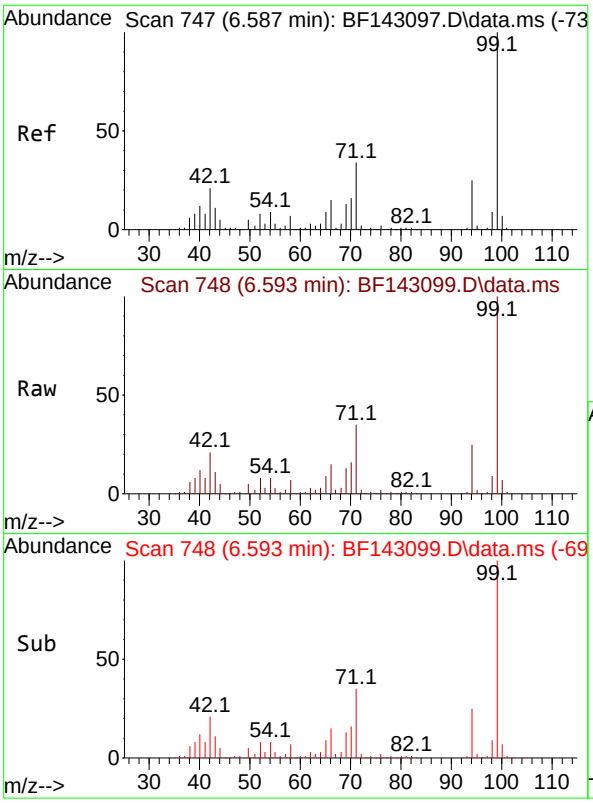


#6
Aniline
Concen: 58.815 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 882633

Ion	Ratio	Lower	Upper
93	100		
66	41.3	33.1	49.7
65	20.8	16.9	25.3



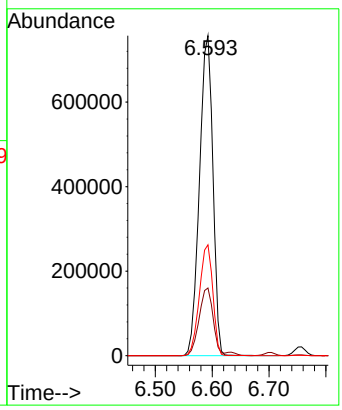


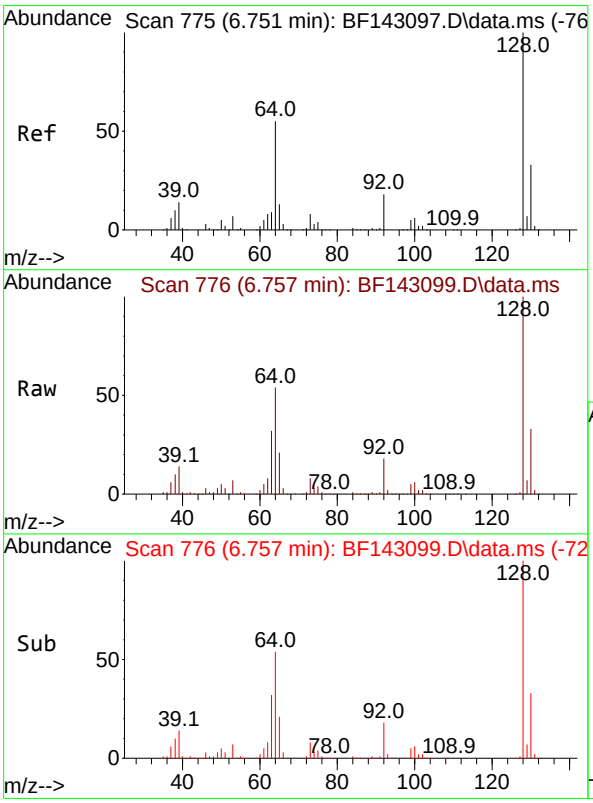
#7
Phenol-d6
Concen: 116.695 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1243617

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.2	25.8
71	34.7	27.4	41.0

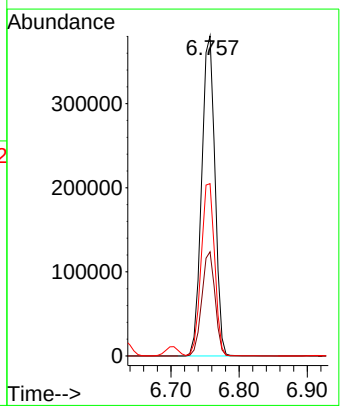


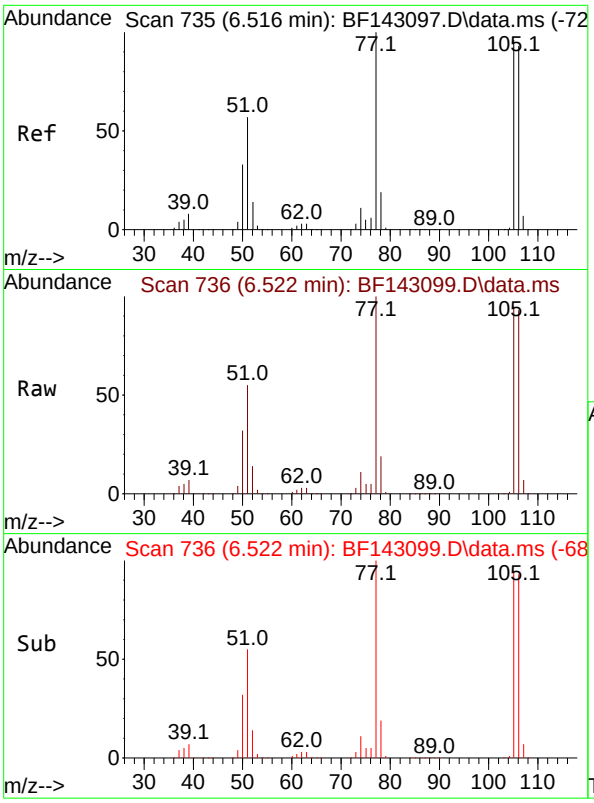


#8
2-Chlorophenol
Concen: 60.690 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:128 Resp: 516965

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.8	52.8
64	53.9	36.1	76.1



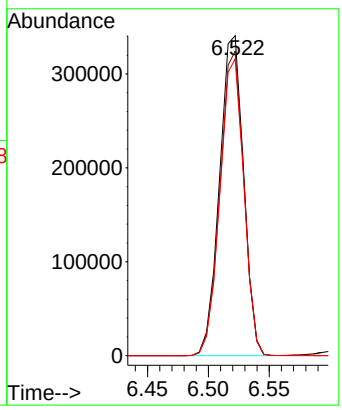


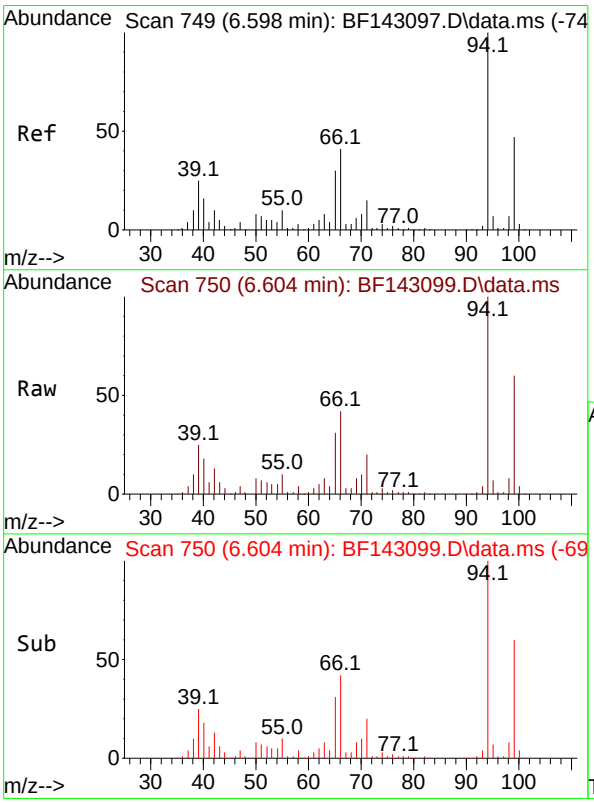
#9
Benzaldehyde
Concen: 57.571 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 467499

Ion	Ratio	Lower	Upper
77	100		
105	95.1	76.3	116.3
106	92.7	72.8	112.8

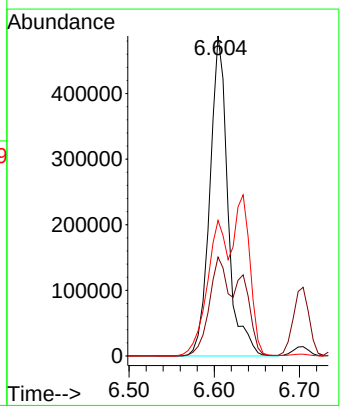


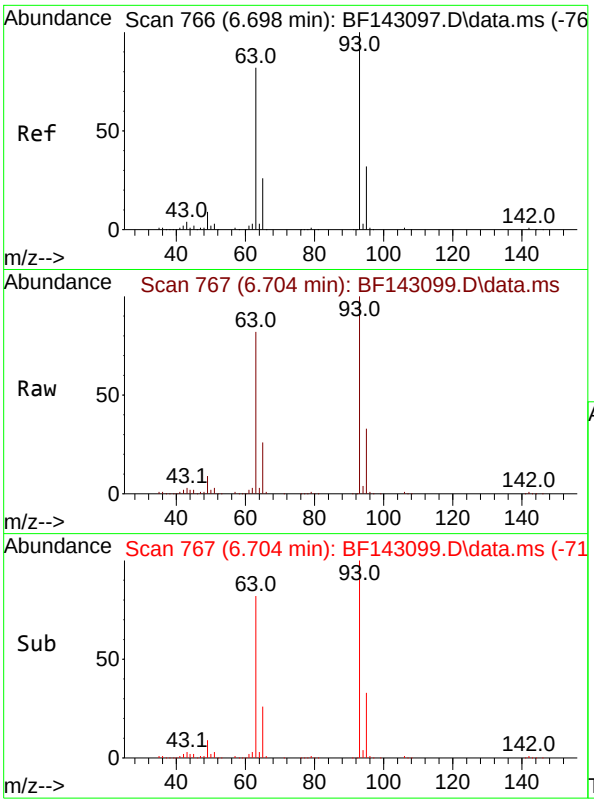


#10
Phenol
Concen: 62.147 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 94 Resp: 716983

Ion	Ratio	Lower	Upper
94	100		
65	30.9	9.8	49.8
66	42.4	20.5	60.5



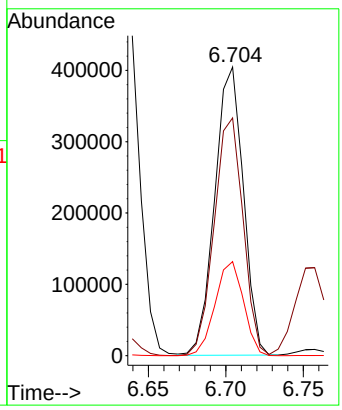


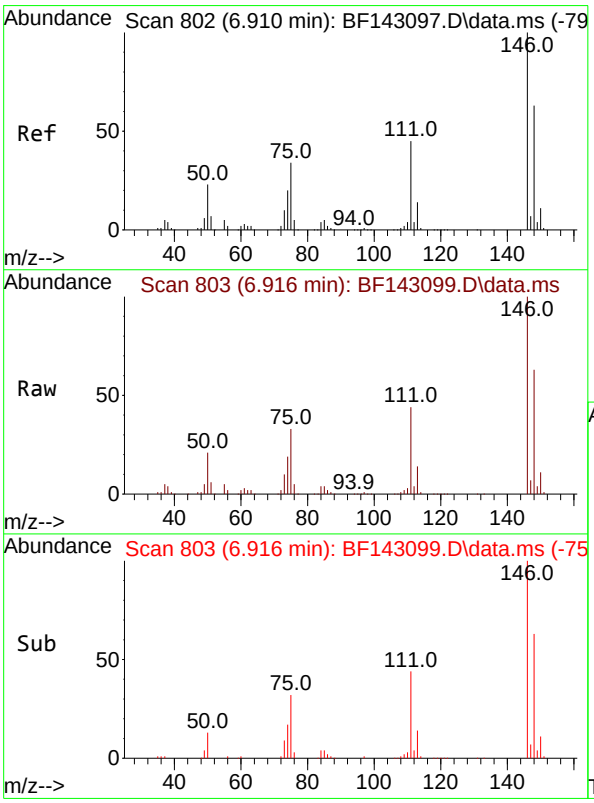
#11
bis(2-Chloroethyl)ether
Concen: 58.076 ng
RT: 6.704 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 518695

Ion	Ratio	Lower	Upper
93	100		
63	82.4	61.9	101.9
95	32.6	12.2	52.2

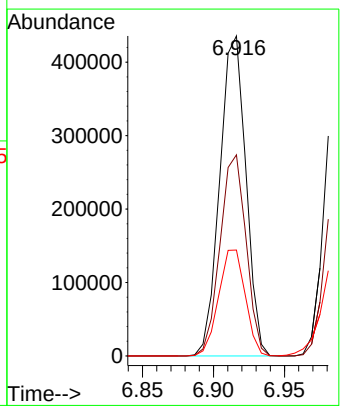


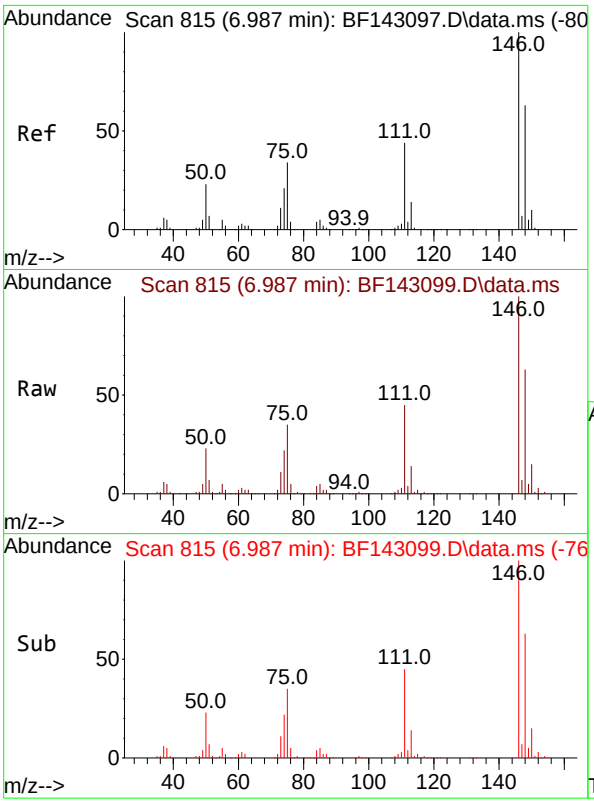


#12
1,3-Dichlorobenzene
Concen: 57.965 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 557813

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.1	75.1
75	33.1	27.4	41.0



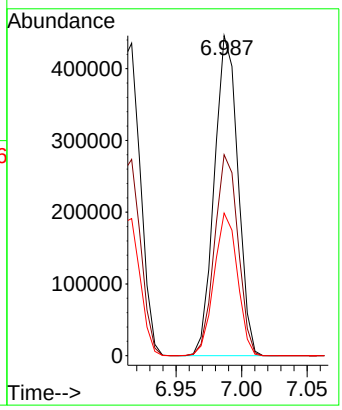


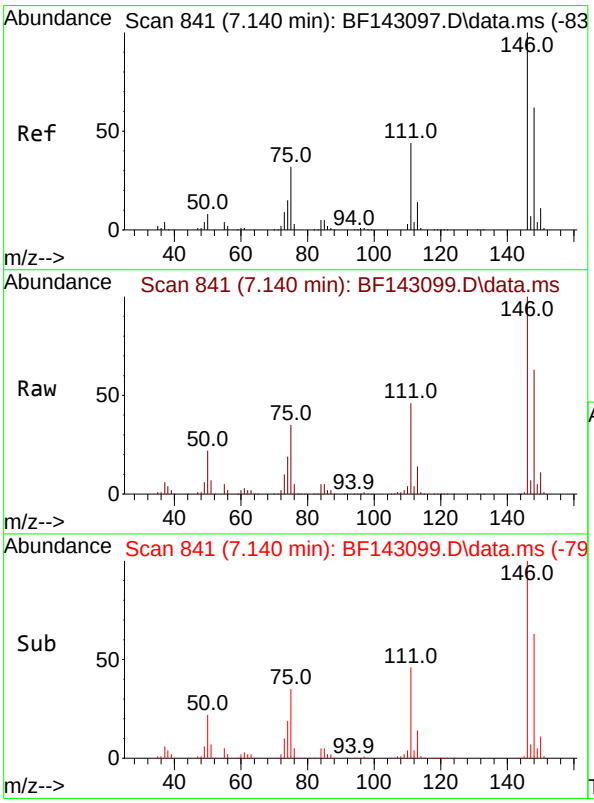
#13
1,4-Dichlorobenzene
Concen: 57.513 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 556805

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.6	76.0
111	44.6	35.0	52.6

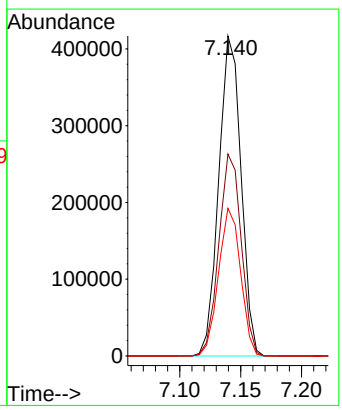


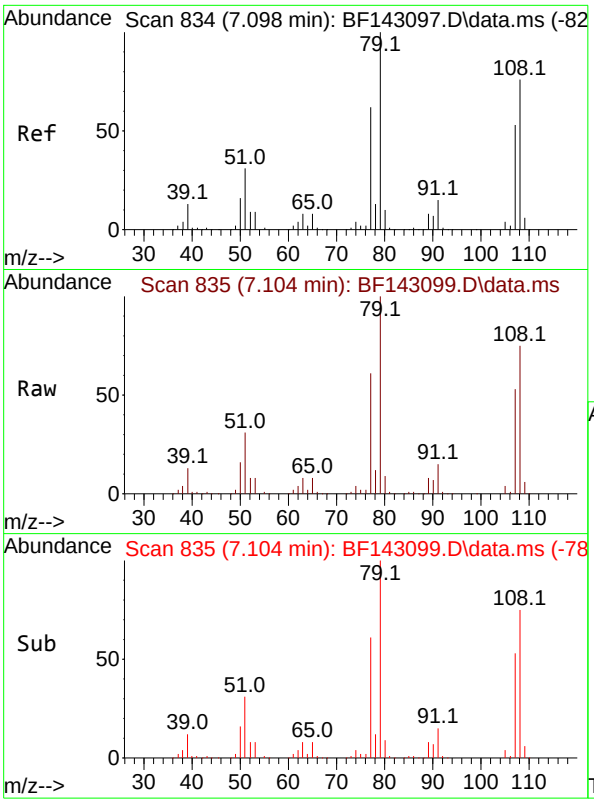


#14
1,2-Dichlorobenzene
Concen: 57.510 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:146 Resp: 530965

Ion	Ratio	Lower	Upper
146	100		
148	63.1	49.8	74.6
111	46.1	35.4	53.0



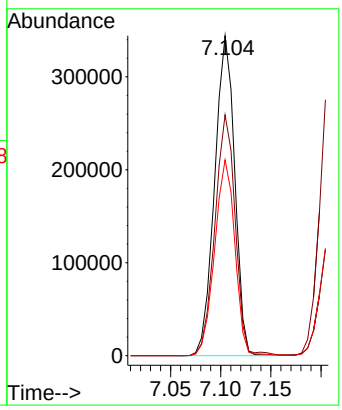


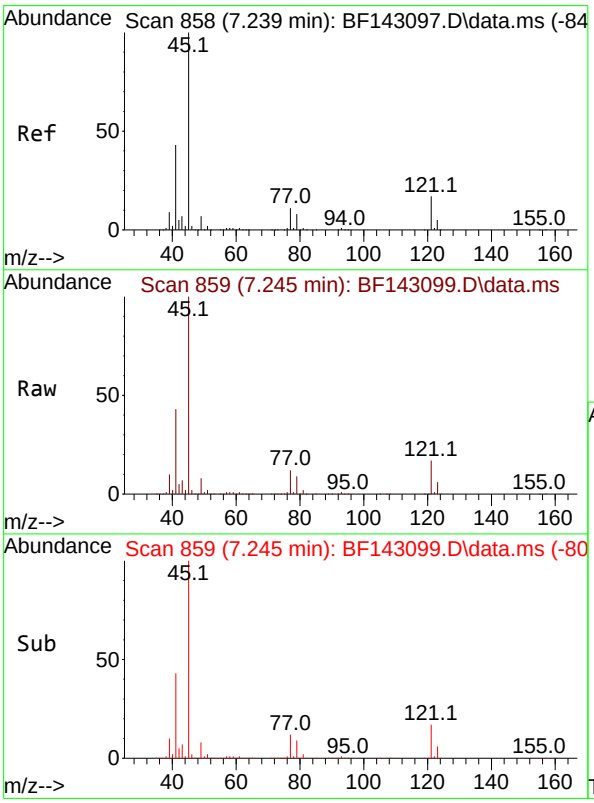
#15
Benzyl Alcohol
Concen: 60.505 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 477773

Ion	Ratio	Lower	Upper
79	100		
108	75.3	61.1	91.7
77	61.2	49.9	74.9

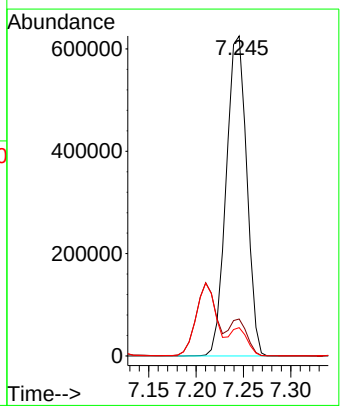


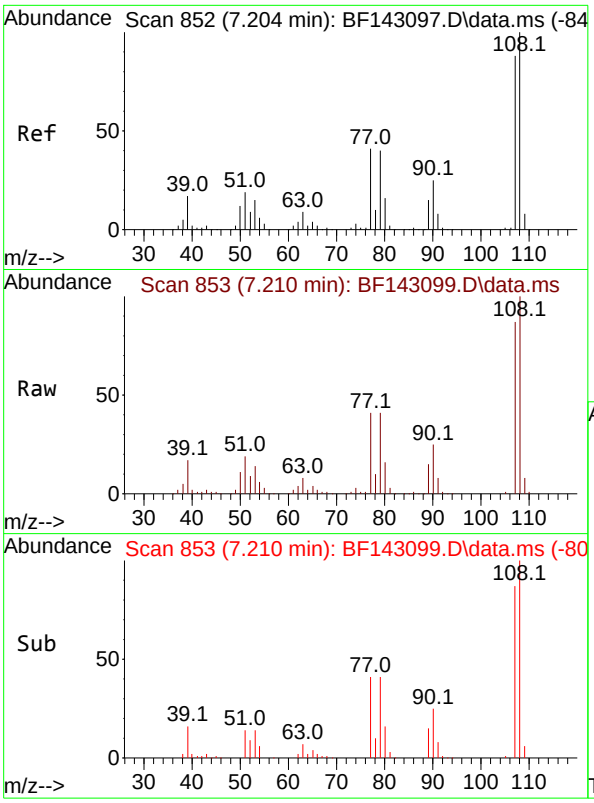


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.157 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 45 Resp: 941009

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.1
79	8.9	0.0	28.4



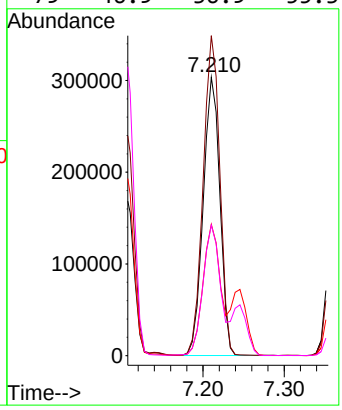


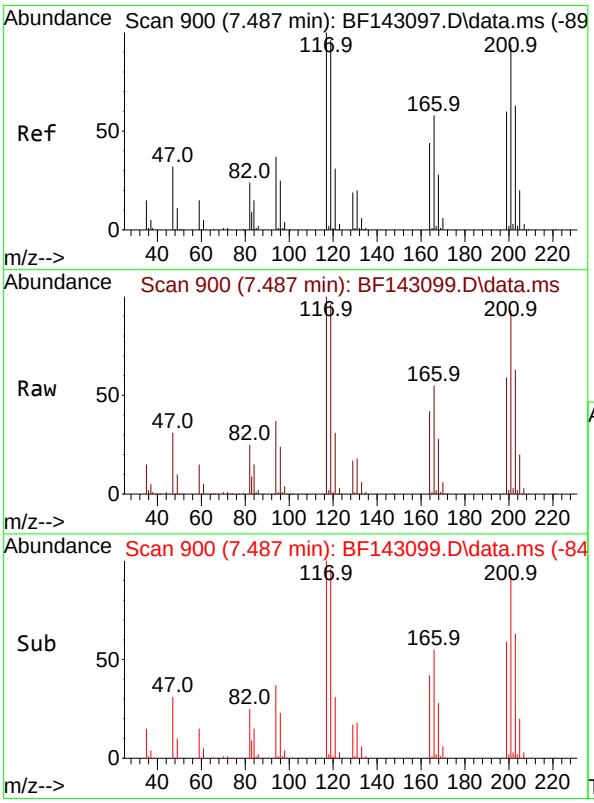
#17
2-Methylphenol
Concen: 58.876 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 432787

Ion	Ratio	Lower	Upper
107	100		
108	114.9	90.9	136.3
77	47.2	37.5	56.3
79	46.9	36.9	55.3

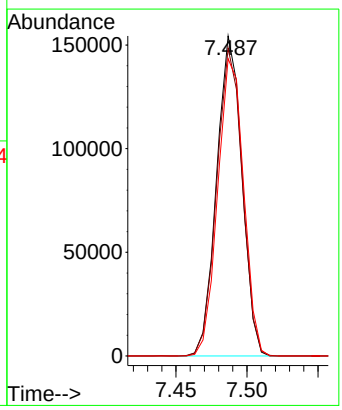


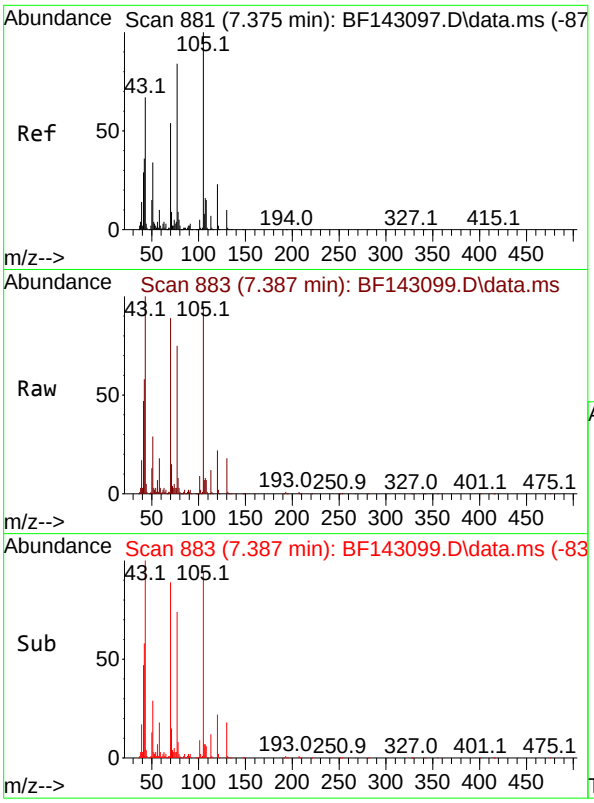


#18
Hexachloroethane
Concen: 60.747 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:117 Resp: 191457

Ion	Ratio	Lower	Upper
117	100		
119	96.2	76.7	115.1
201	92.9	75.0	112.4



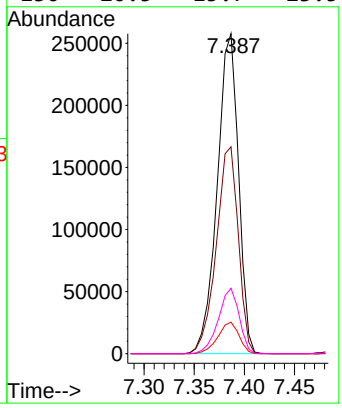


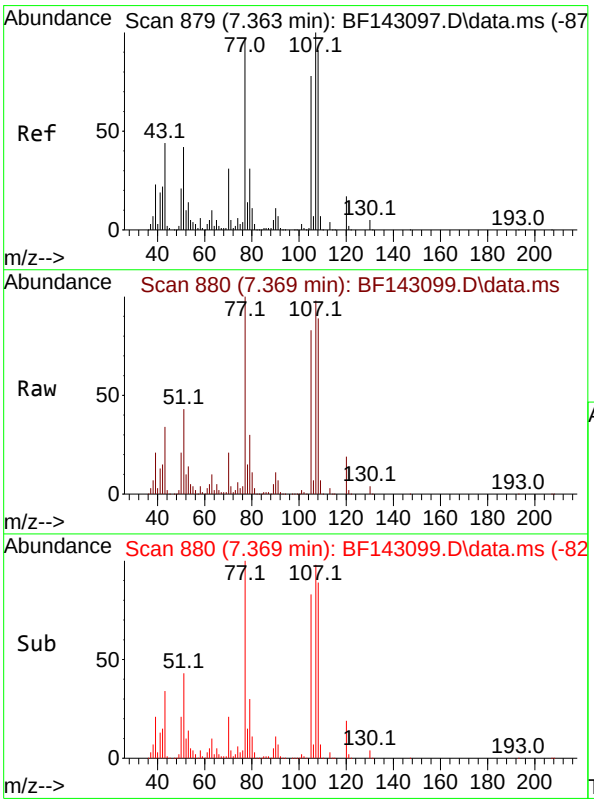
#19
n-Nitroso-di-n-propylamine
Concen: 58.184 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 379882

Ion	Ratio	Lower	Upper
70	100		
42	64.6	53.2	79.8
101	9.9	7.5	11.3
130	20.5	15.7	23.5

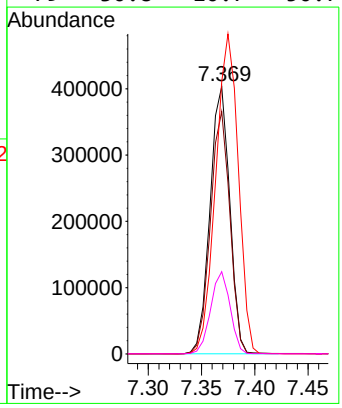


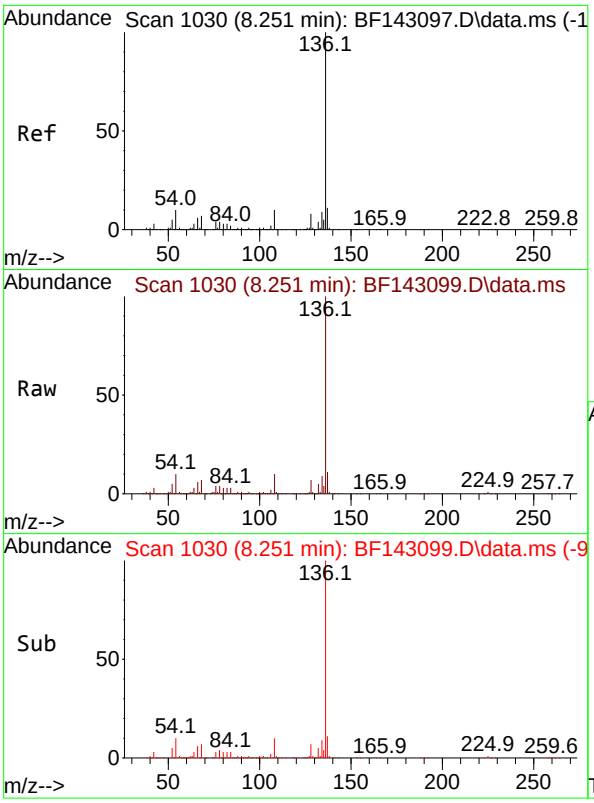


#20
3+4-Methylphenols
Concen: 57.645 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 519658

Ion	Ratio	Lower	Upper
107	100		
108	90.6	71.3	111.3
77	101.8	77.2	117.2
79	30.8	10.7	50.7



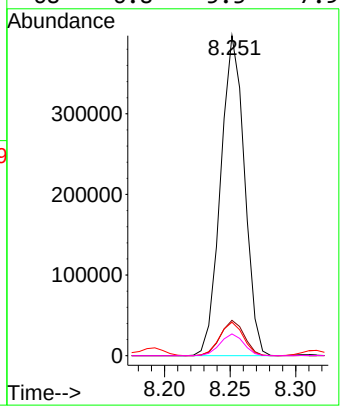


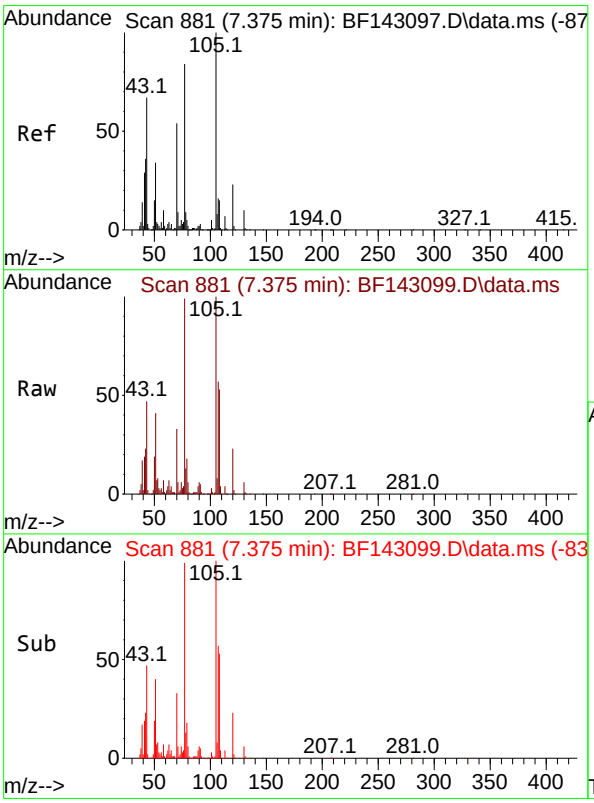
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 501735

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	10.4	8.3	12.5
68	6.8	5.3	7.9

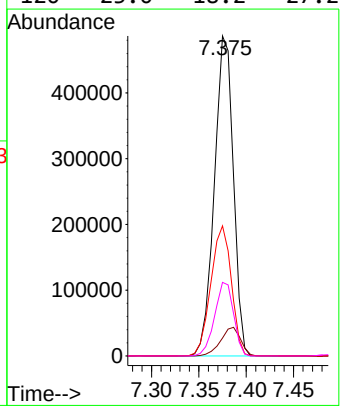


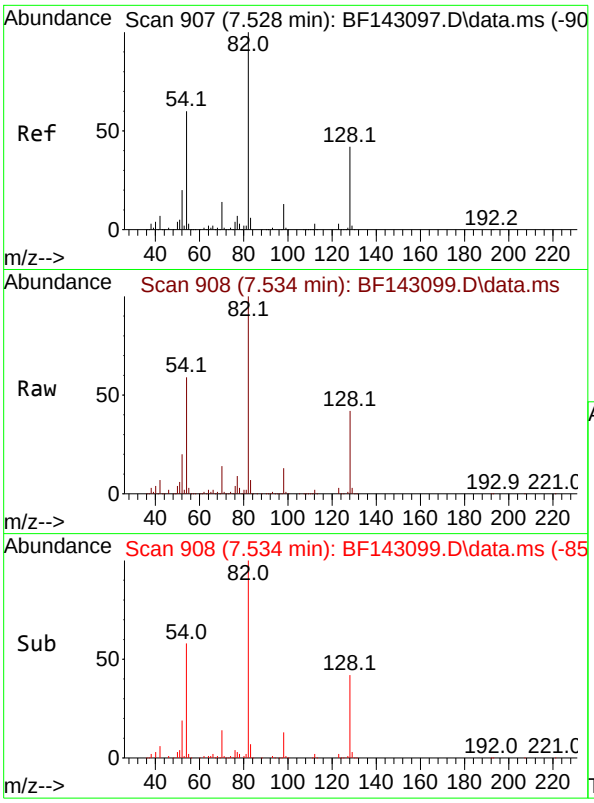


#22
Acetophenone
Concen: 56.141 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:105 Resp: 679007

Ion	Ratio	Lower	Upper
105	100		
71	5.6	7.2	10.8#
51	40.7	27.0	40.4#
120	23.0	18.2	27.2



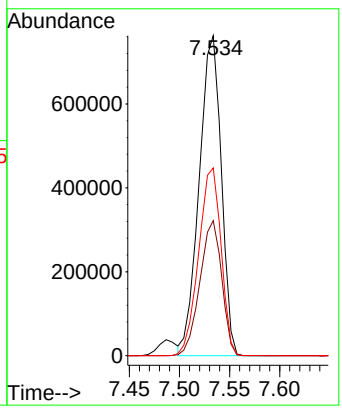


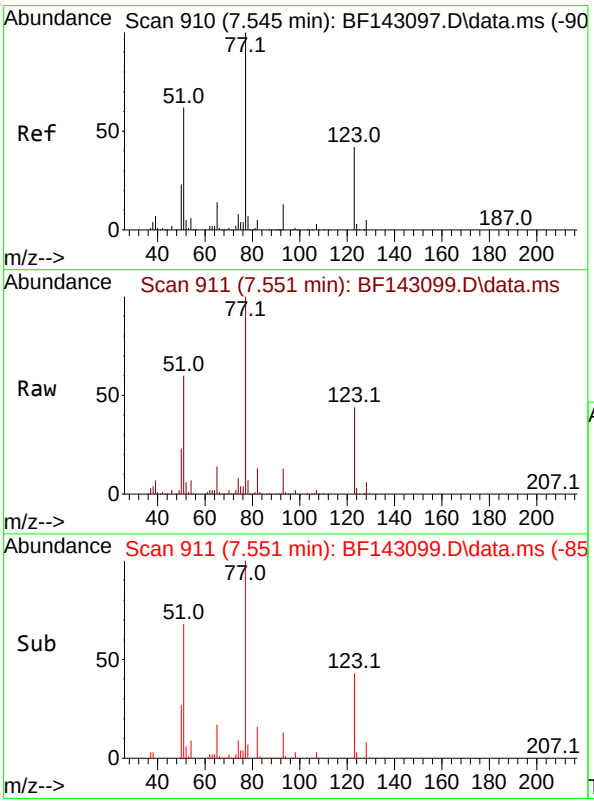
#23
Nitrobenzene-d5
Concen: 131.129 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1172838

Ion	Ratio	Lower	Upper
82	100		
128	42.2	33.3	49.9
54	58.7	47.4	71.2

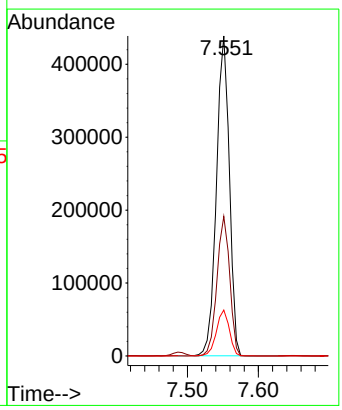


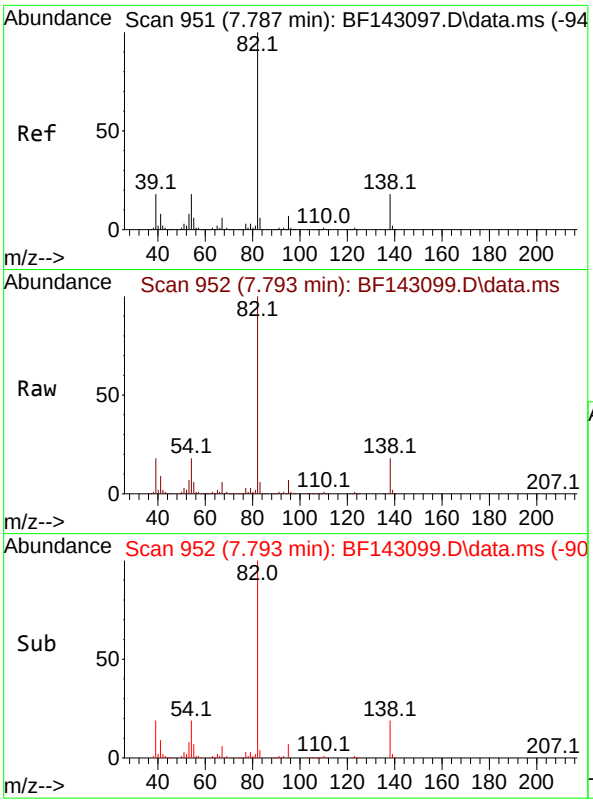


#24
Nitrobenzene
Concen: 63.778 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 77 Resp: 550668

Ion	Ratio	Lower	Upper
77	100		
123	43.6	34.5	51.7
65	14.3	11.3	16.9



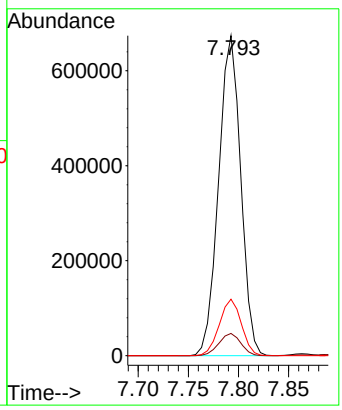


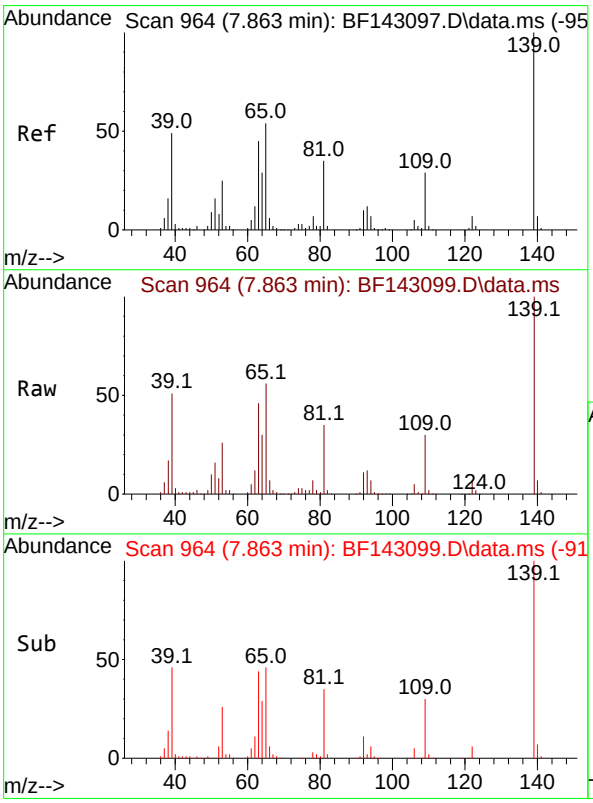
#25
Isophorone
Concen: 59.793 ng
RT: 7.793 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1033650

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.6	14.3	21.5

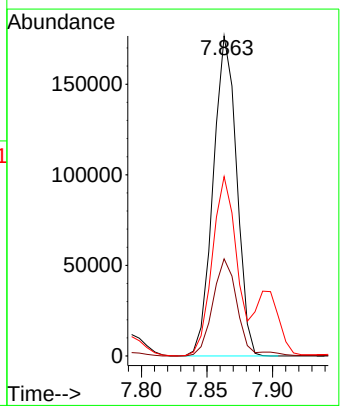


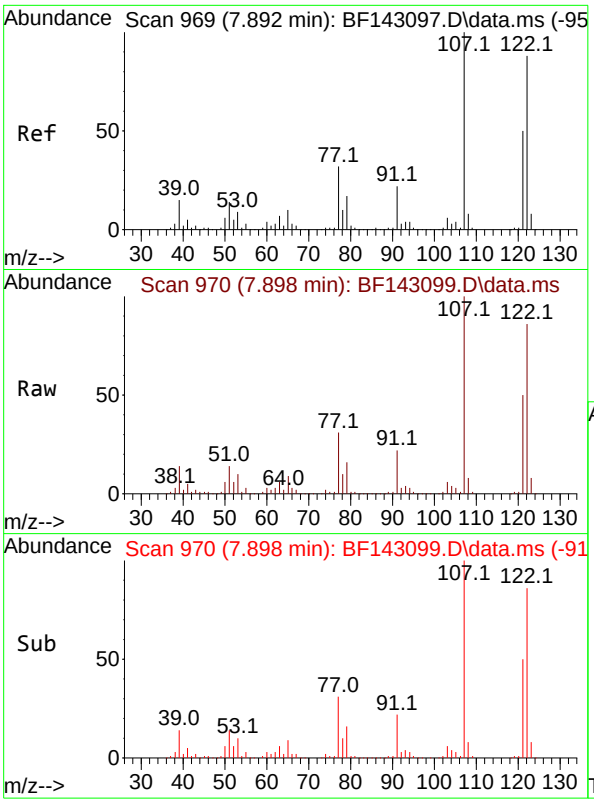


#26
2-Nitrophenol
Concen: 62.382 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 219665

Ion	Ratio	Lower	Upper
139	100		
109	30.4	23.4	35.0
65	56.1	43.4	65.2



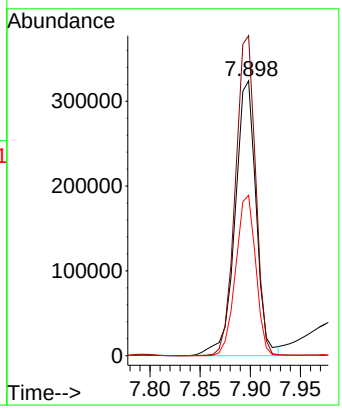


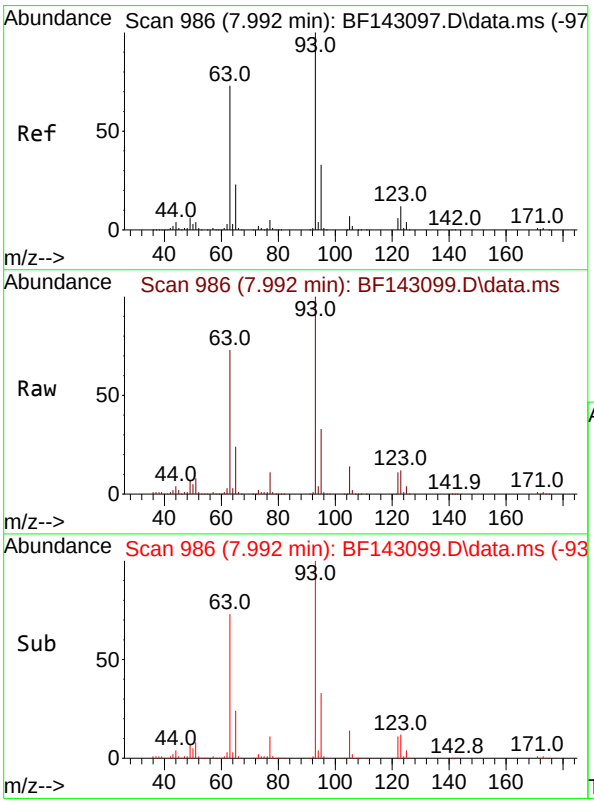
#27
2,4-Dimethylphenol
Concen: 59.127 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 474411

Ion	Ratio	Lower	Upper
122	100		
107	116.4	91.3	136.9
121	58.4	45.5	68.3

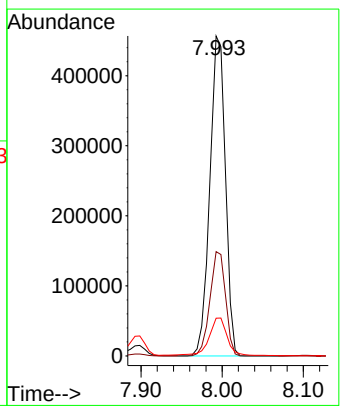


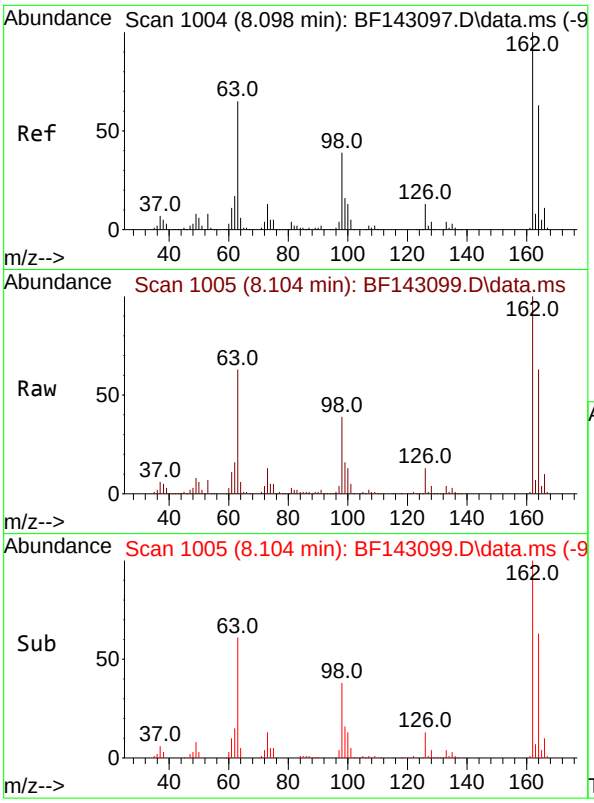


#28
bis(2-Chloroethoxy)methane
Concen: 58.029 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 93 Resp: 608314

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.8	9.6	14.4



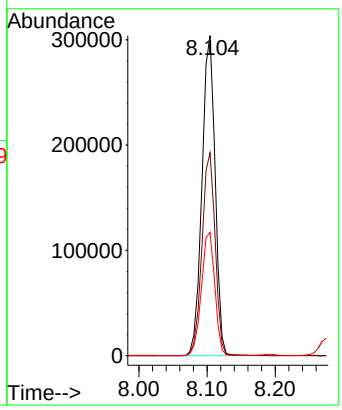


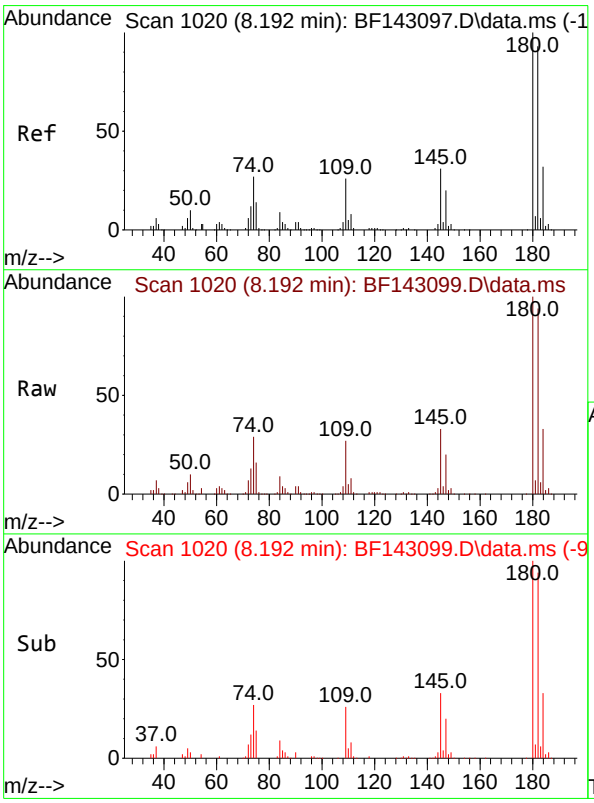
#29
2,4-Dichlorophenol
Concen: 62.256 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 408655

Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.1	83.1
98	38.5	19.2	59.2

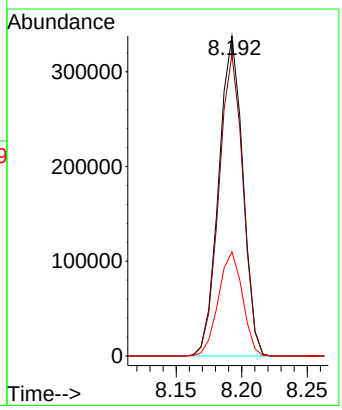


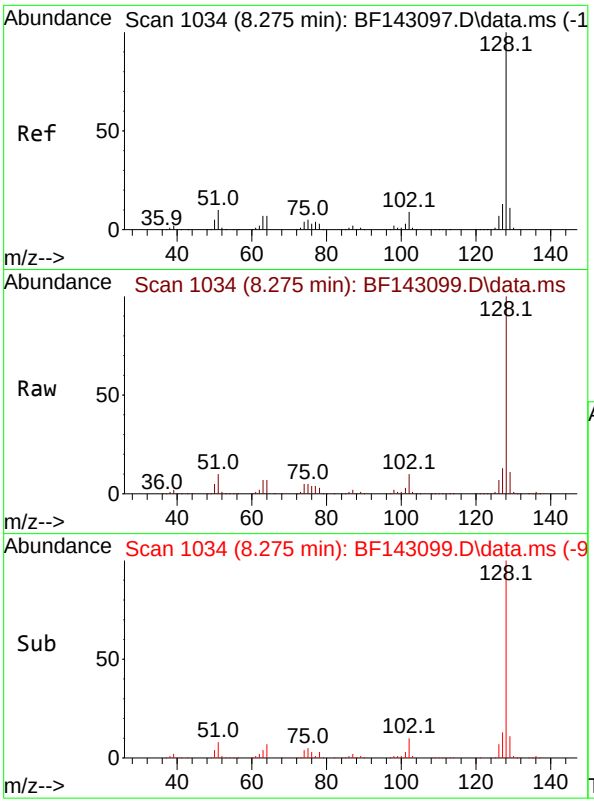


#30
1,2,4-Trichlorobenzene
Concen: 57.913 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:180 Resp: 431427

Ion	Ratio	Lower	Upper
180	100		
182	94.3	74.7	112.1
145	32.6	24.5	36.7



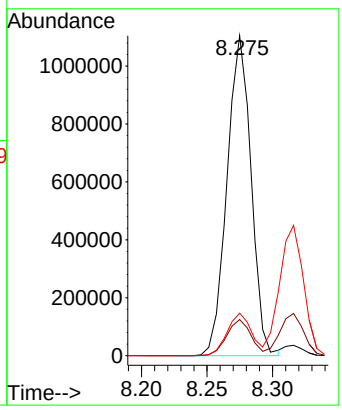


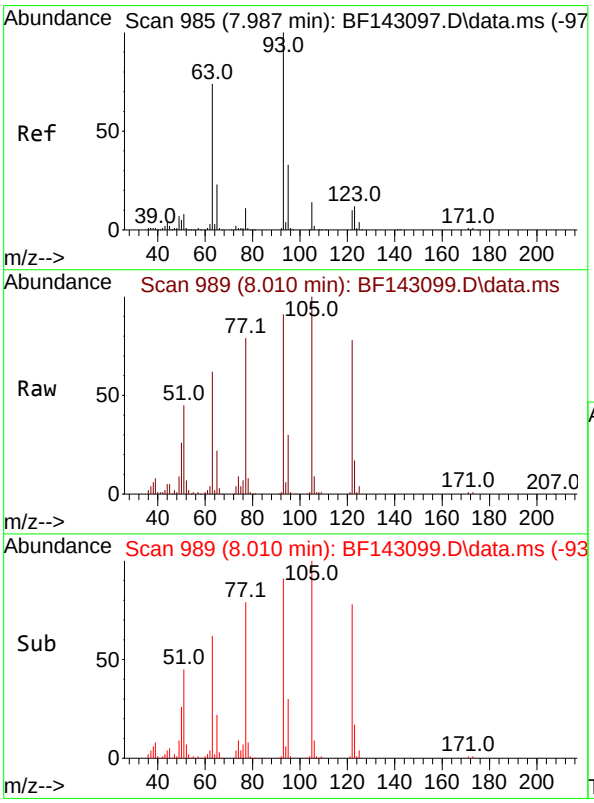
#31
Naphthalene
Concen: 56.612 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1410509

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	10.5	15.7

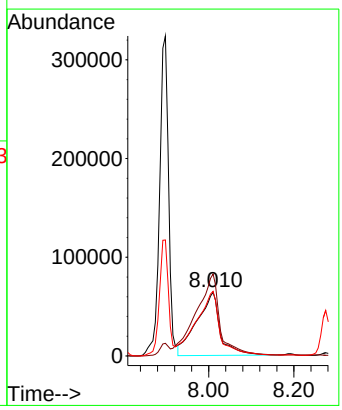


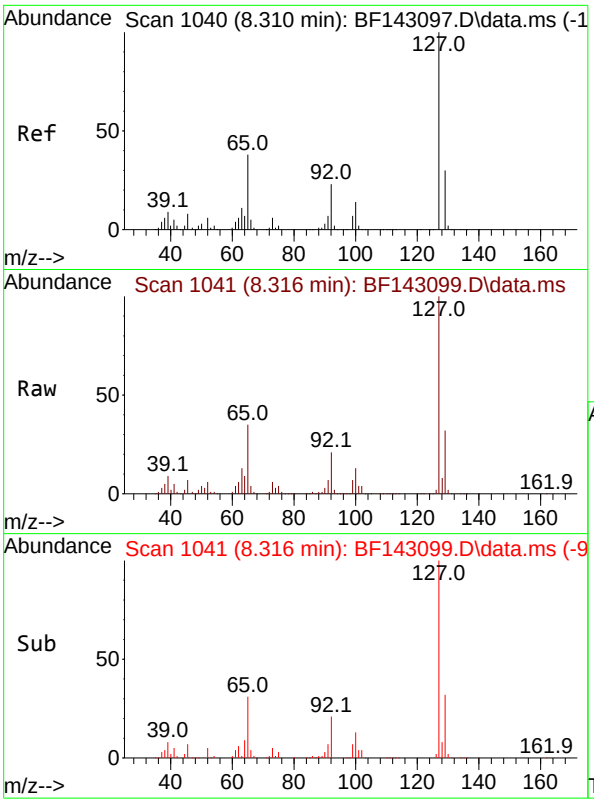


#32
Benzoic acid
Concen: 59.376 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.023 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:122 Resp: 244396

Ion	Ratio	Lower	Upper
122	100		
105	128.8	105.4	145.4
77	101.6	78.6	118.6



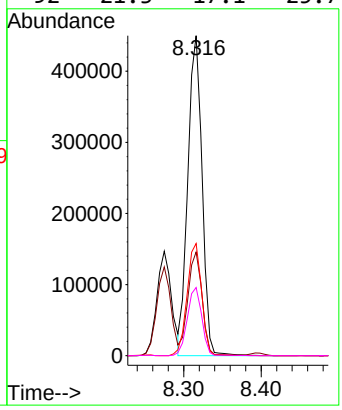


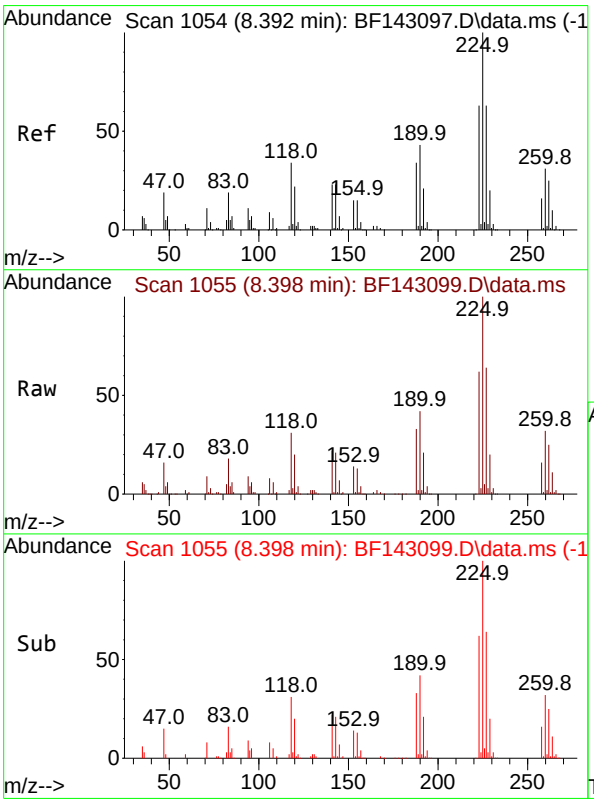
#33
4-Chloroaniline
Concen: 57.309 ng
RT: 8.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 574196

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.2	39.4
65	35.1	28.6	42.8
92	21.3	17.1	25.7

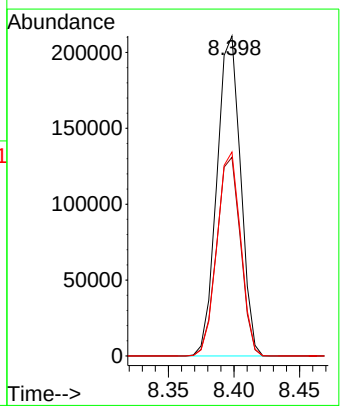


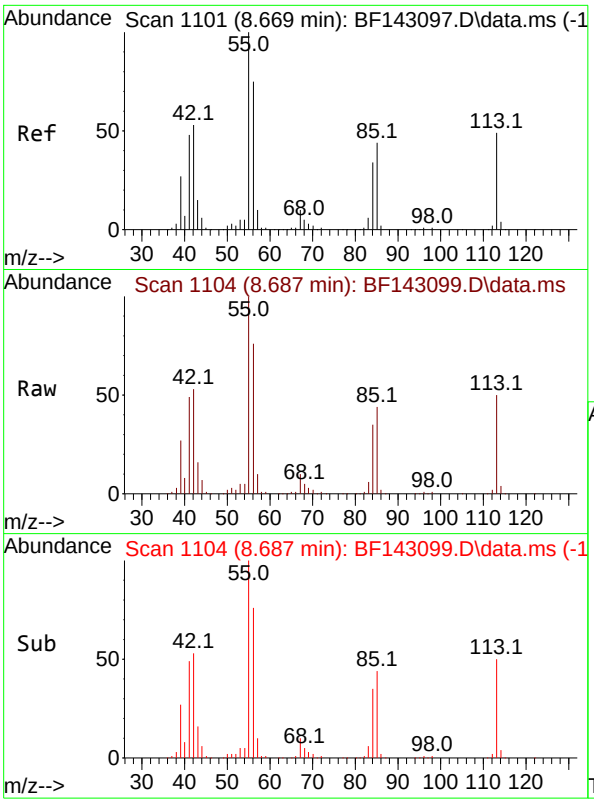


#34
Hexachlorobutadiene
Concen: 59.499 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:225 Resp: 265081

Ion	Ratio	Lower	Upper
225	100		
223	62.1	50.3	75.5
227	63.7	50.1	75.1



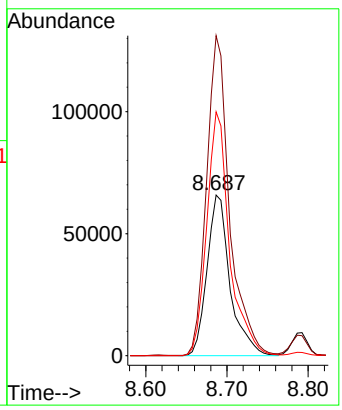


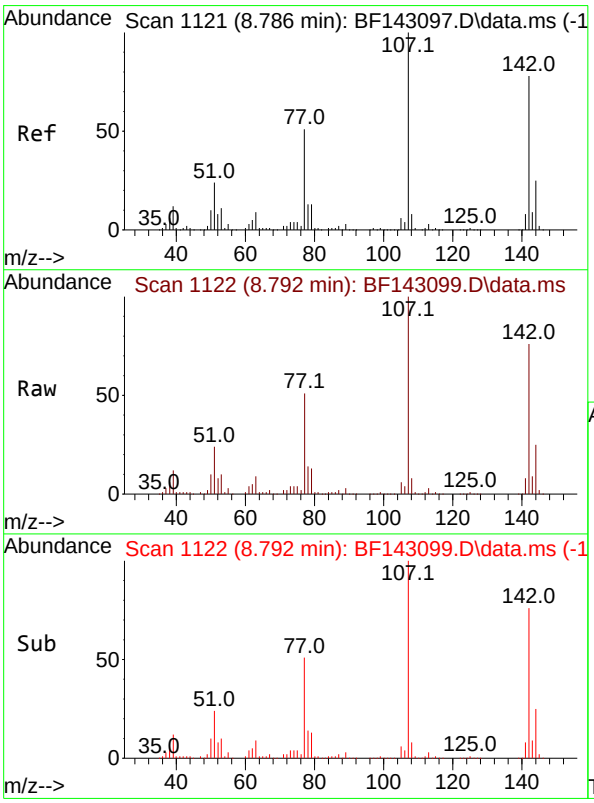
#35
Caprolactam
Concen: 63.219 ng
RT: 8.687 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 129583

Ion	Ratio	Lower	Upper
113	100		
55	199.1	186.2	226.2
56	151.7	134.1	174.1

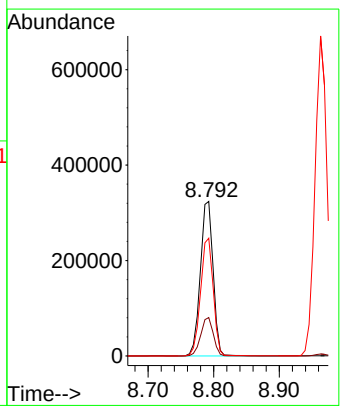


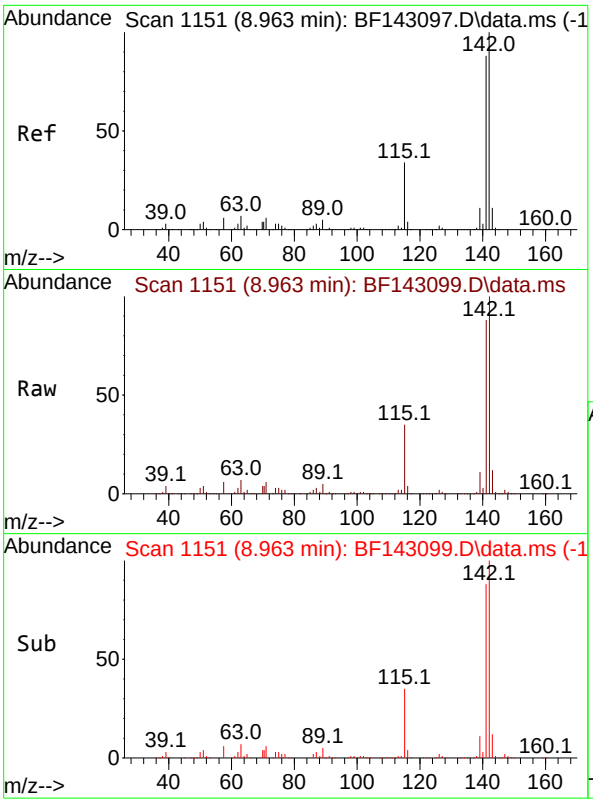


#36
4-Chloro-3-methylphenol
Concen: 60.299 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:107 Resp: 440907

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.2	30.2
142	76.3	62.4	93.6



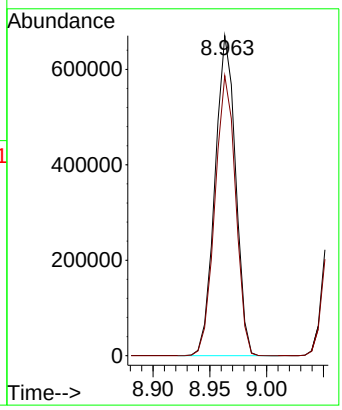


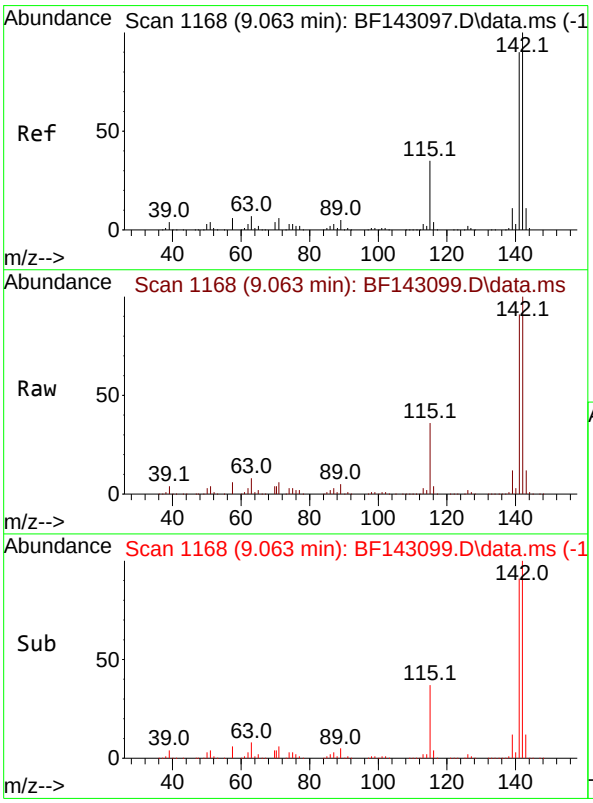
#37
2-Methylnaphthalene
Concen: 56.930 ng
RT: 8.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 846190

Ion	Ratio	Lower	Upper
142	100		
141	87.5	70.2	105.2

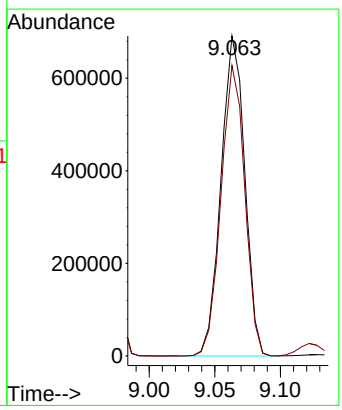


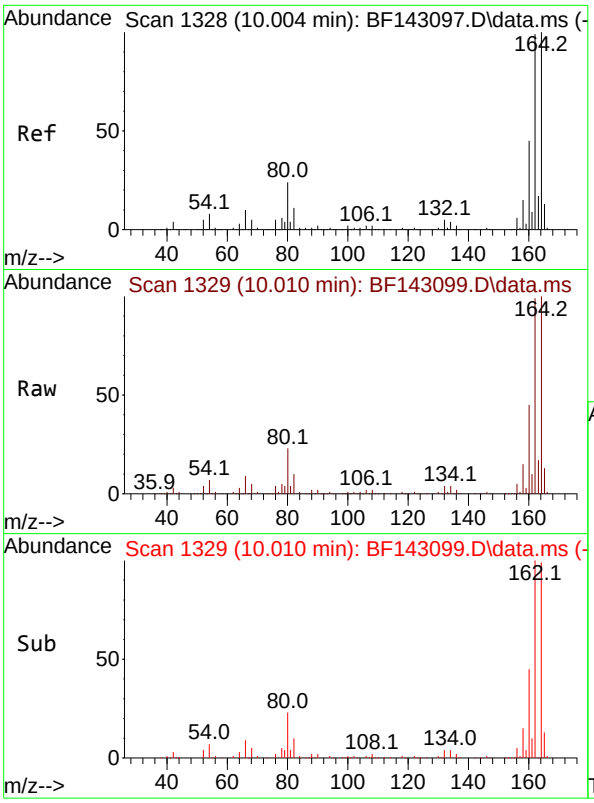


#38
1-Methylnaphthalene
Concen: 56.399 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:142 Resp: 869460

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.4



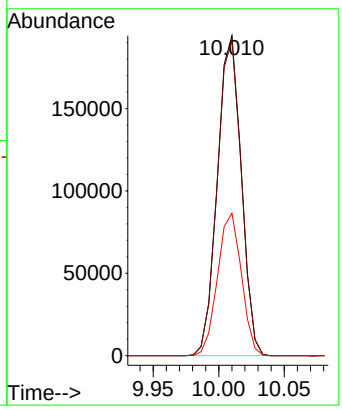


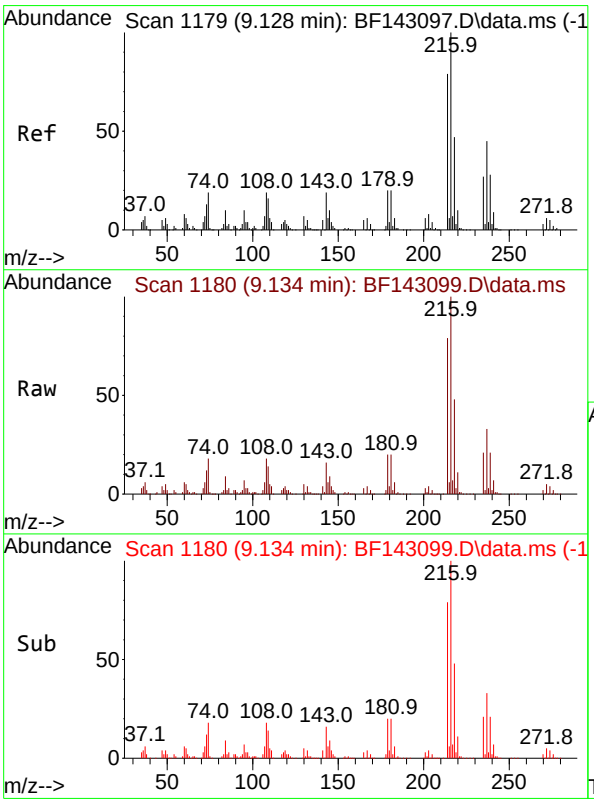
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 246002

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.0	118.6
160	44.5	35.8	53.6

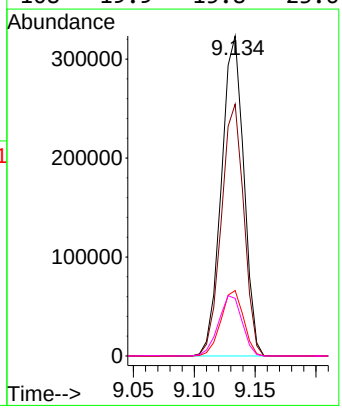


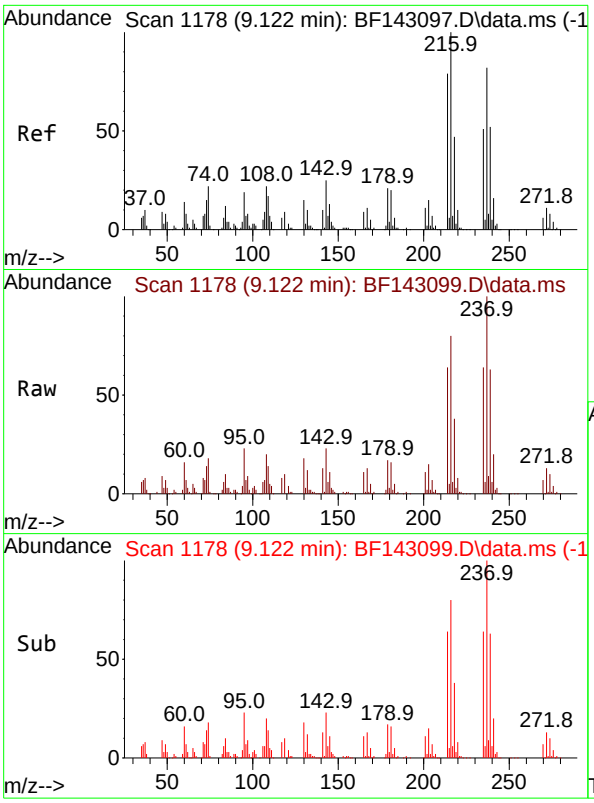


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.762 ng
RT: 9.134 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:216 Resp: 414099

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.6	94.0
179	20.6	16.2	24.2
108	19.9	15.8	23.6



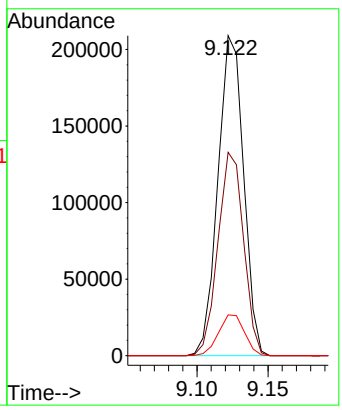


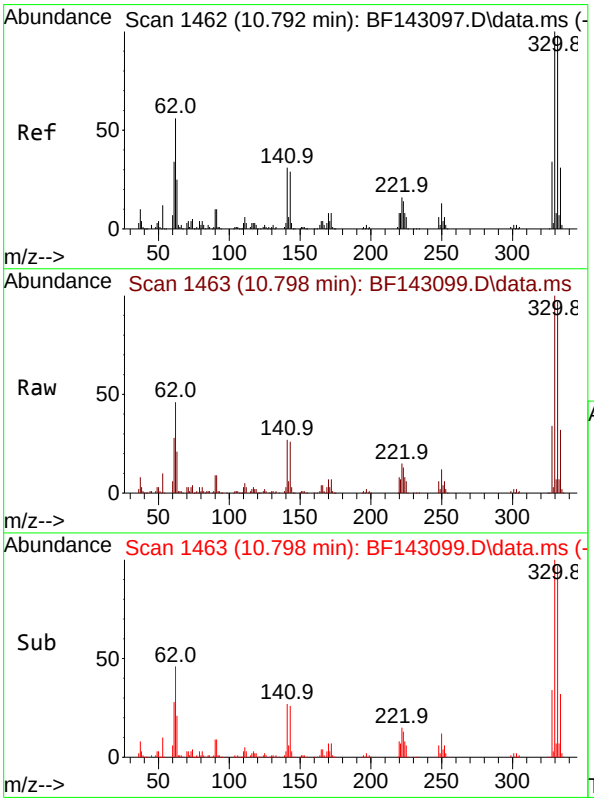
#41
Hexachlorocyclopentadiene
Concen: 66.101 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 262731

Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.6	81.6
272	12.8	0.0	32.9

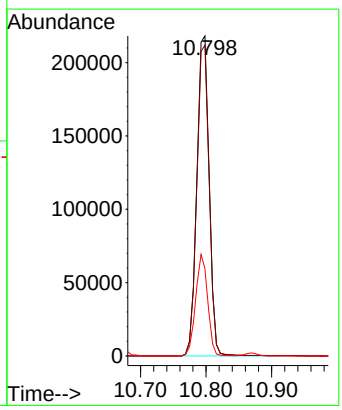


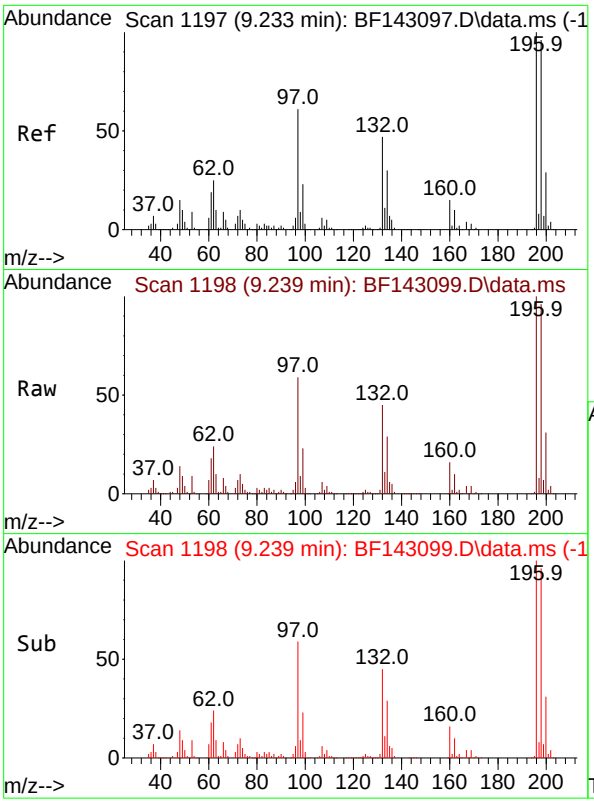


#42
2,4,6-Tribromophenol
Concen: 130.765 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:330 Resp: 286830

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.9	116.9
141	30.8	25.9	38.9



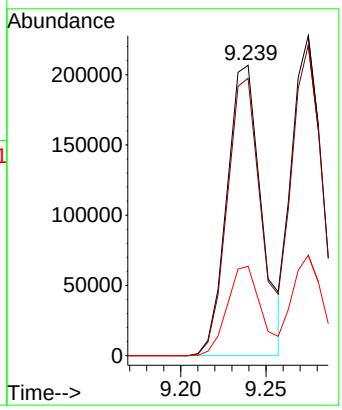


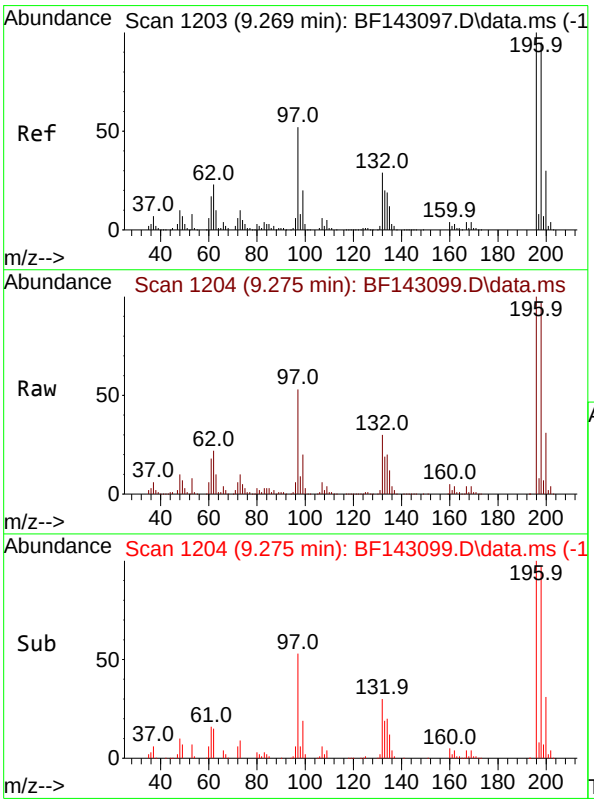
#43
2,4,6-Trichlorophenol
Concen: 65.157 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 290245

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.9	115.3
200	30.8	23.5	35.3

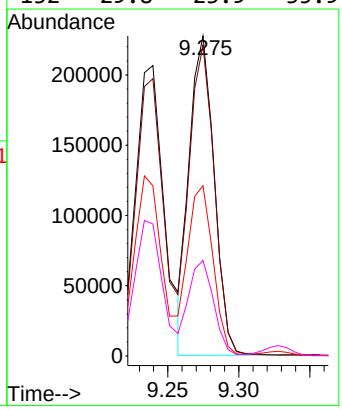


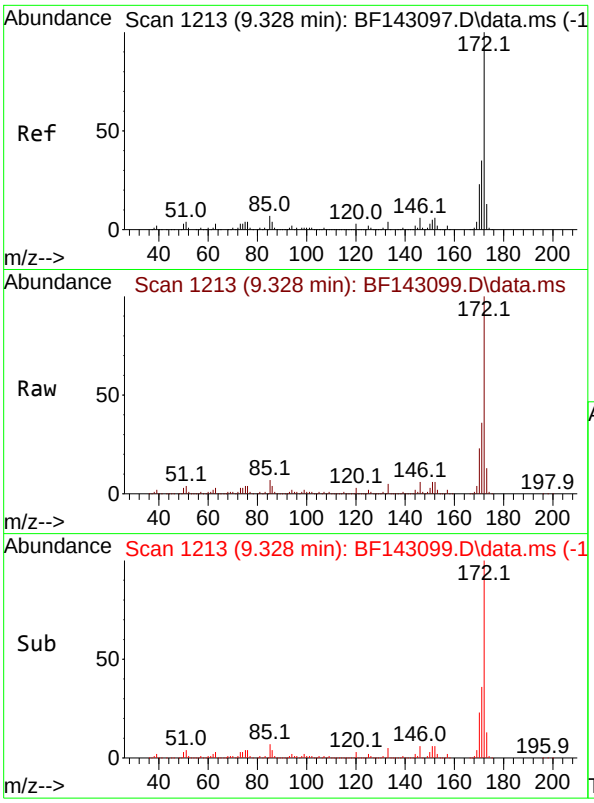


#44
2,4,5-Trichlorophenol
Concen: 59.502 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:196 Resp: 277922

Ion	Ratio	Lower	Upper
196	100		
198	97.1	76.4	114.6
97	53.2	42.4	63.6
132	29.8	23.9	35.9



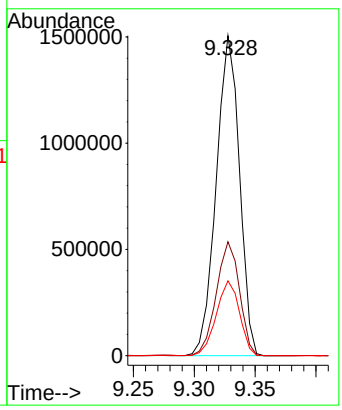


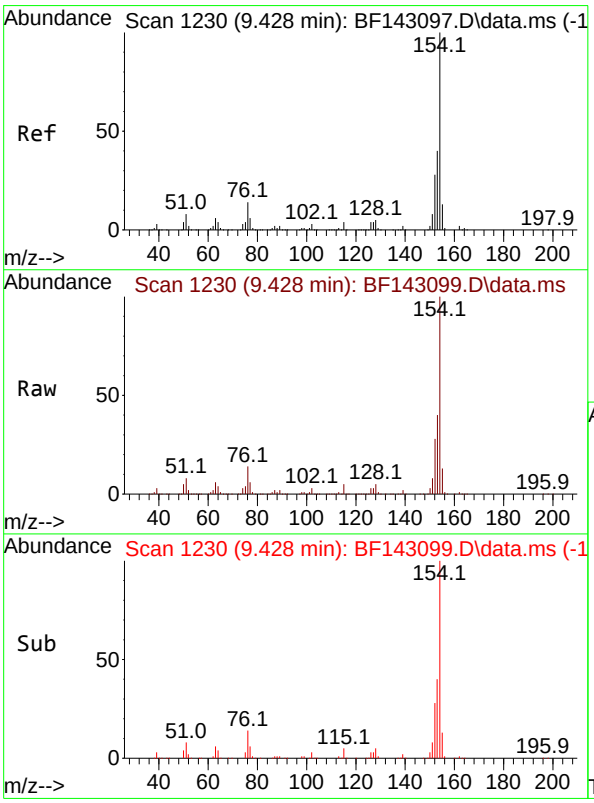
#45
2-Fluorobiphenyl
Concen: 108.050 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 1999612

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.2	42.4
170	23.4	18.6	28.0

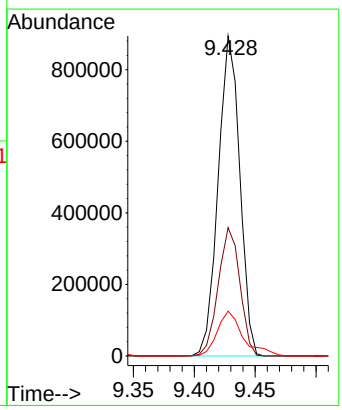


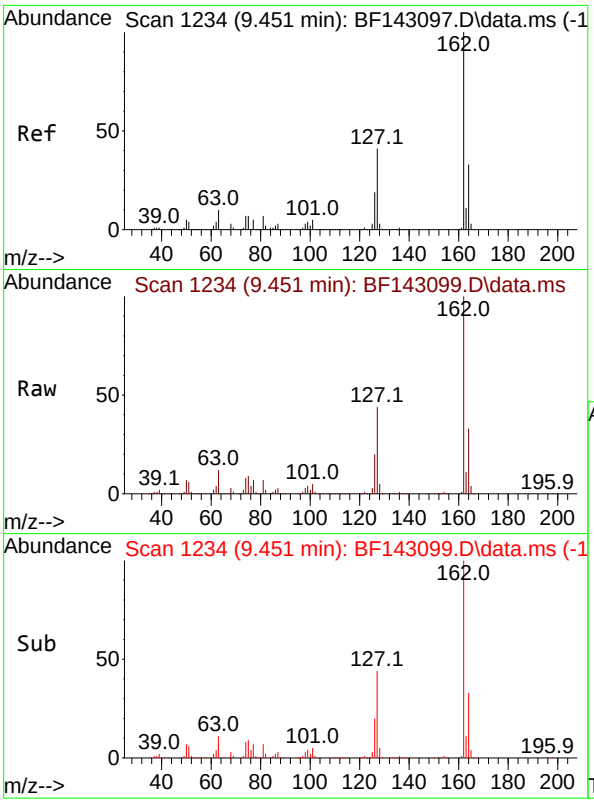


#46
1,1'-Biphenyl
Concen: 56.274 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:154 Resp: 1103990

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	14.0	0.0	33.7



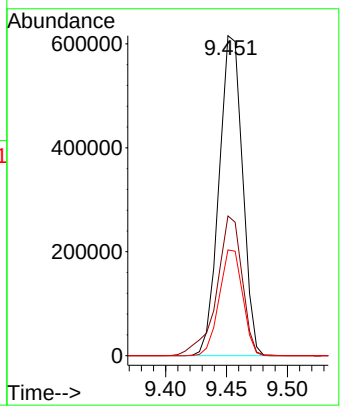


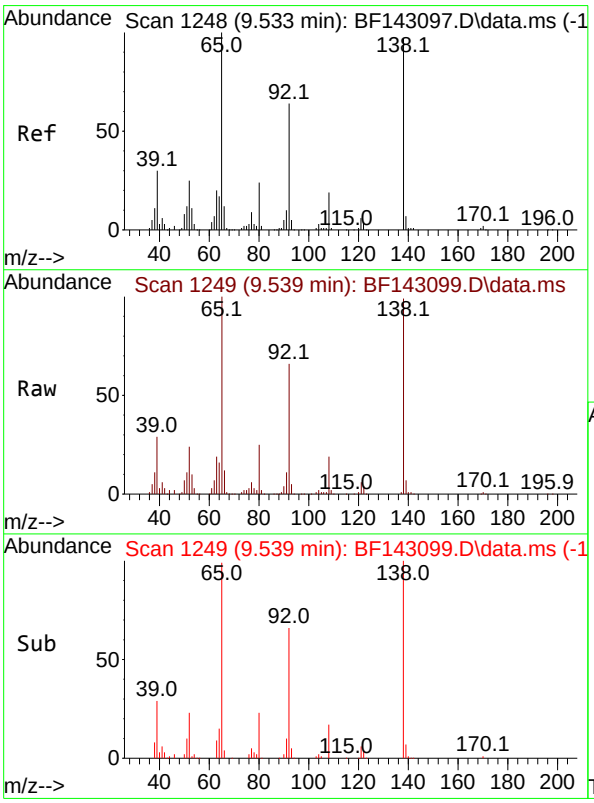
#47
2-Chloronaphthalene
Concen: 57.350 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 826528

Ion	Ratio	Lower	Upper
162	100		
127	43.7	33.0	49.6
164	33.0	26.1	39.1

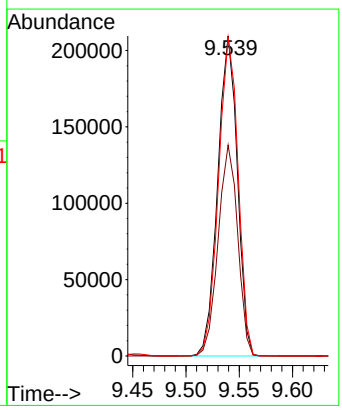


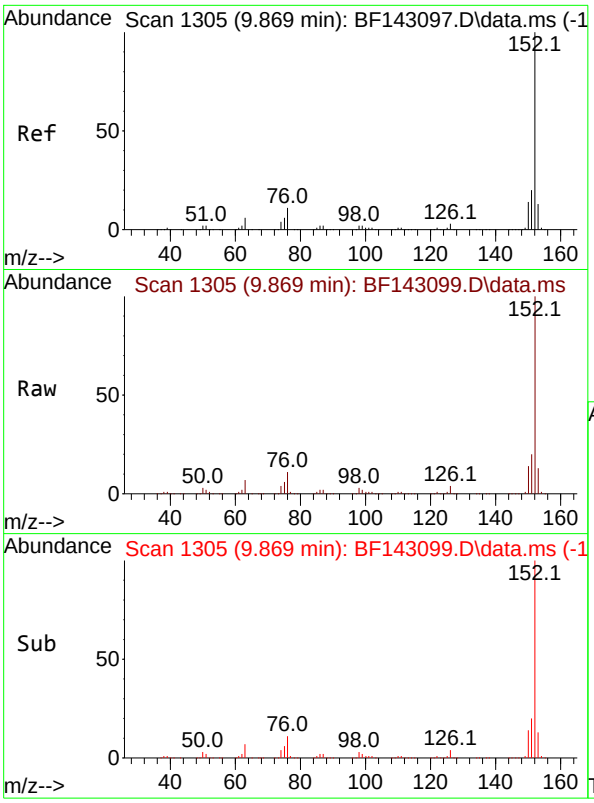


#48
2-Nitroaniline
Concen: 61.259 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion: 65 Resp: 267636

Ion	Ratio	Lower	Upper
65	100		
92	65.9	51.3	76.9
138	99.5	77.8	116.6



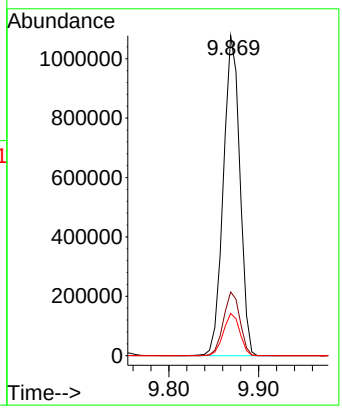


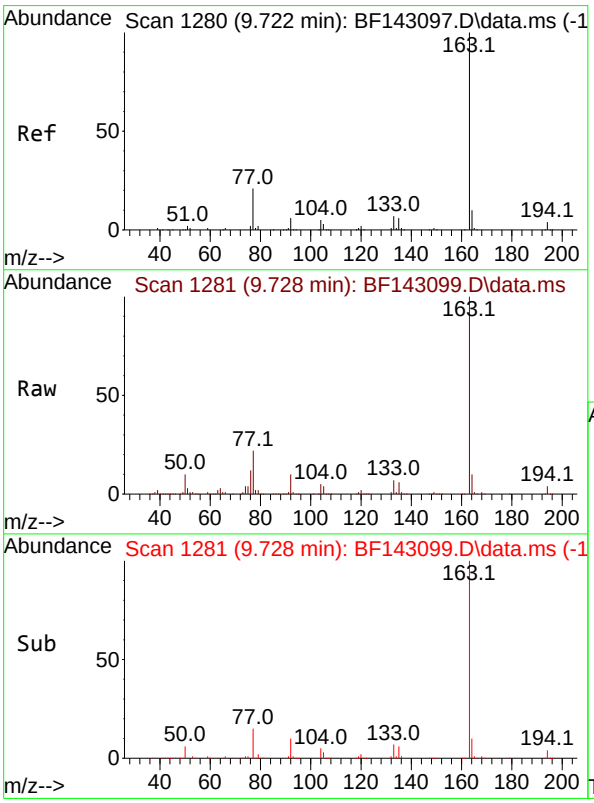
#49
Acenaphthylene
Concen: 57.388 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1378196

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.2	10.4	15.6

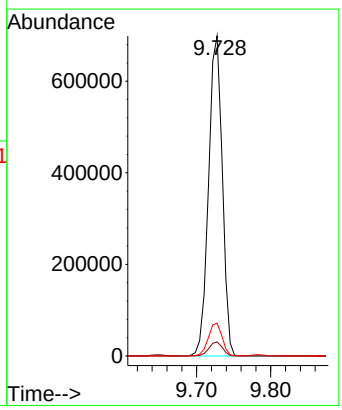


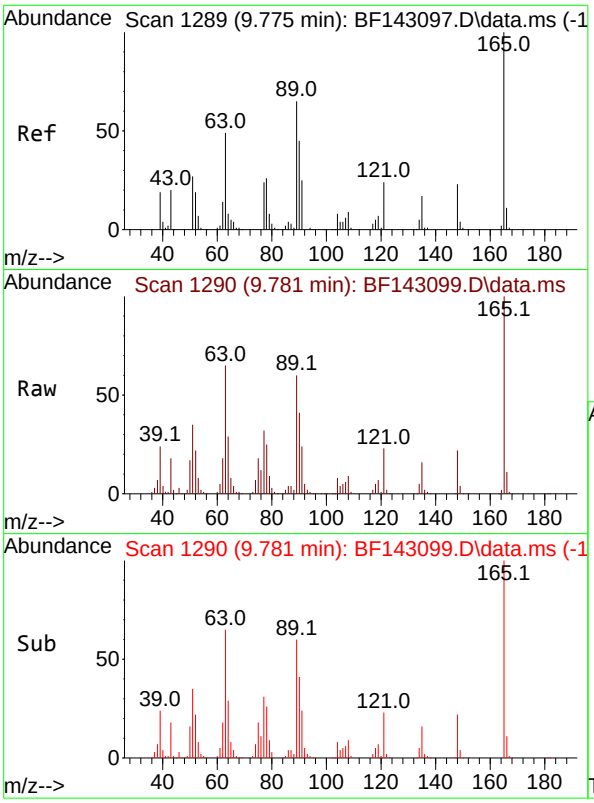


#50
Dimethylphthalate
Concen: 58.118 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:163 Resp: 899456

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.2	12.2



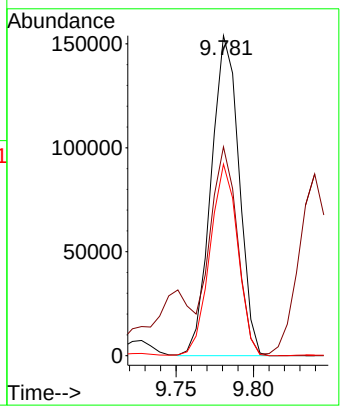


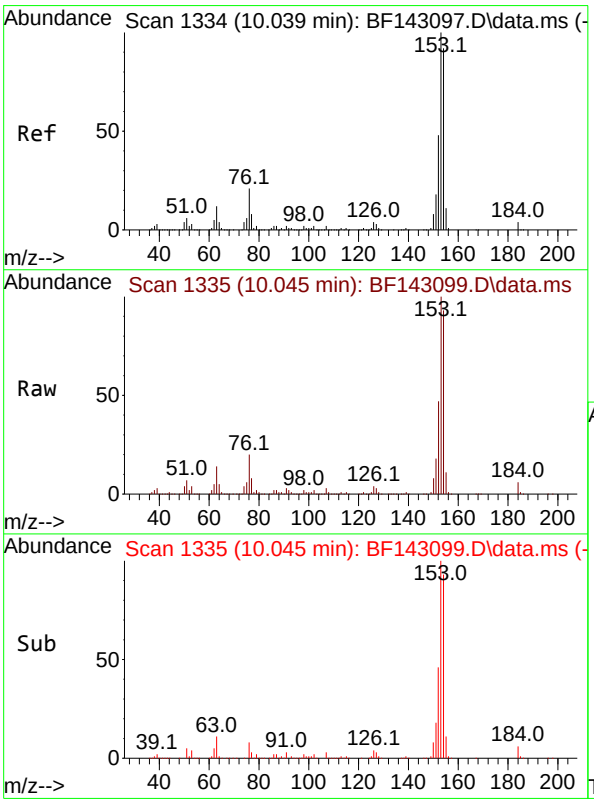
#51
2,6-Dinitrotoluene
Concen: 62.287 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 193185

Ion	Ratio	Lower	Upper
165	100		
63	65.2	57.4	86.0
89	59.9	51.8	77.8

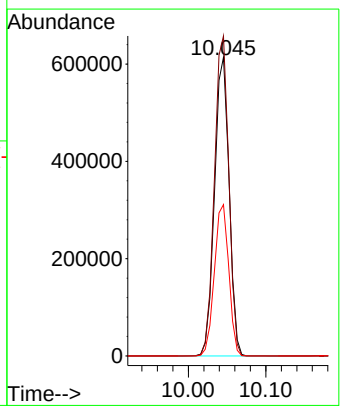


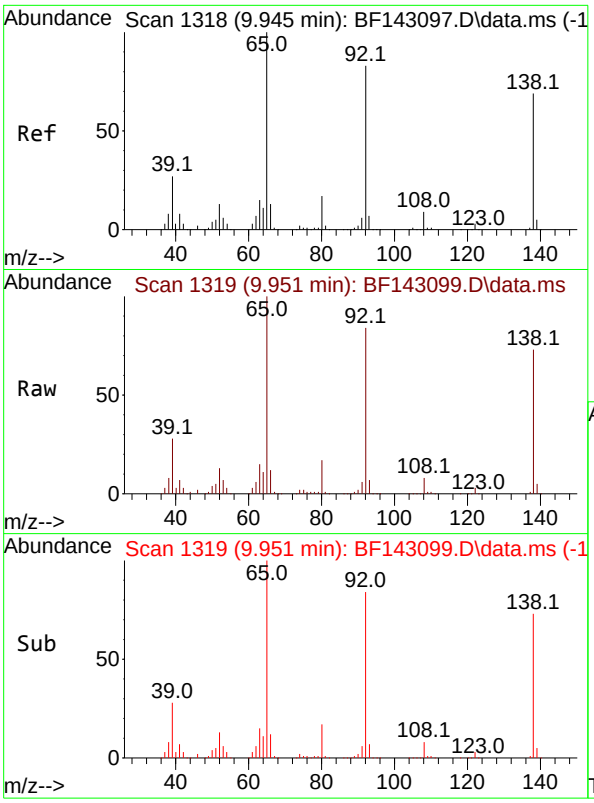


#52
Acenaphthene
Concen: 56.633 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:154 Resp: 802583

Ion	Ratio	Lower	Upper
154	100		
153	107.1	86.7	130.1
152	50.6	41.4	62.2



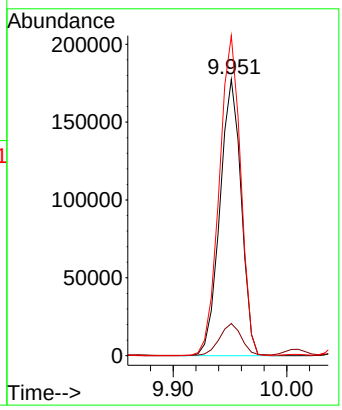


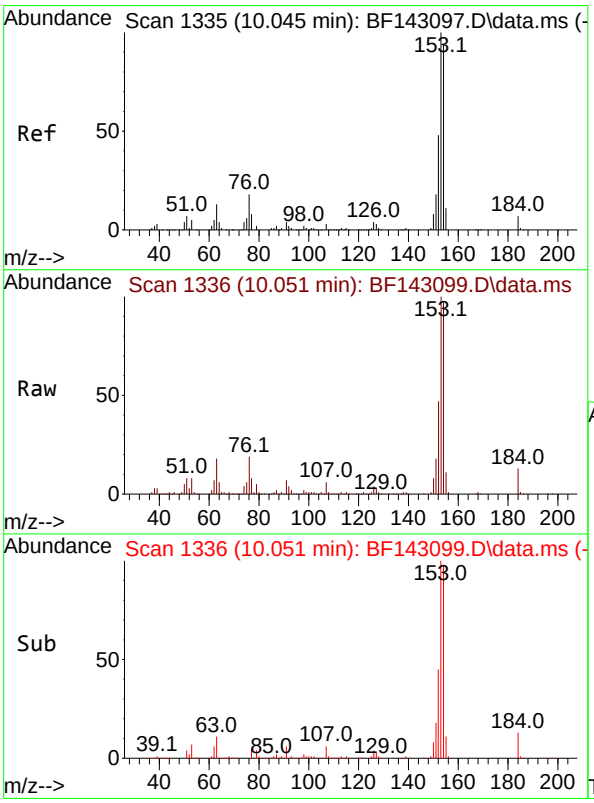
#53
3-Nitroaniline
Concen: 69.008 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 230773

Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.1	15.1
92	115.8	96.4	144.6

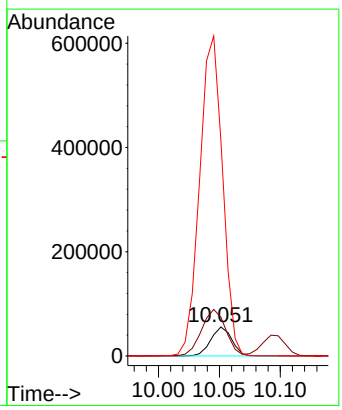


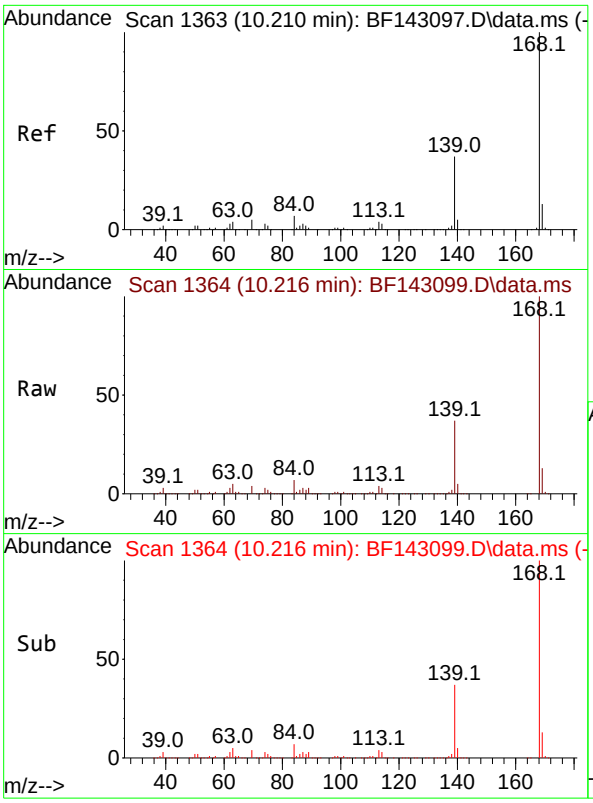


#54
2,4-Dinitrophenol
Concen: 61.314 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:184 Resp: 66479

Ion	Ratio	Lower	Upper
184	100		
63	133.6	149.3	223.9#
154	743.3	1048.0	1572.0#



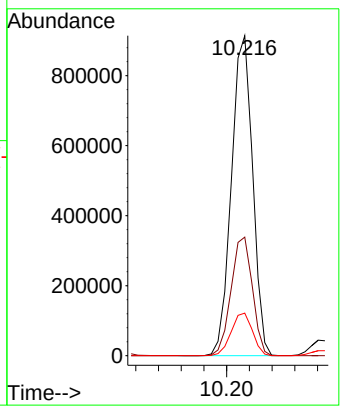


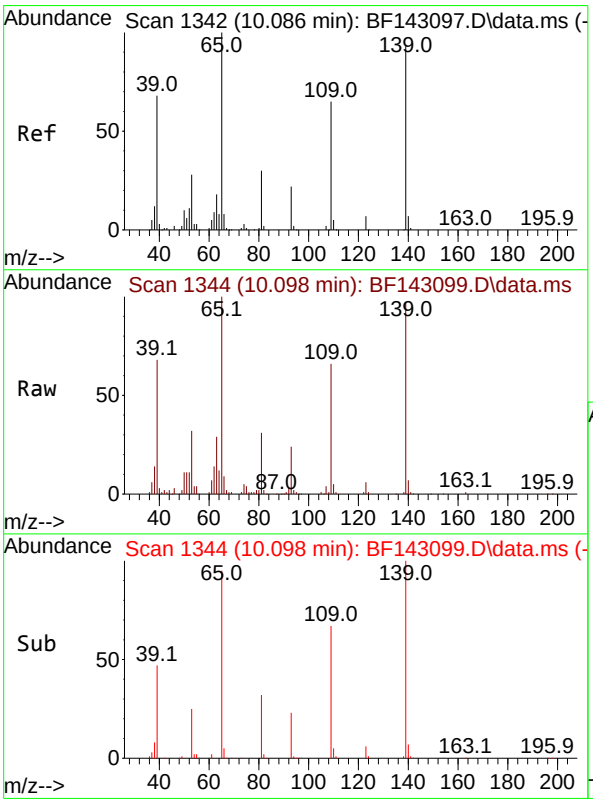
#55
Dibenzofuran
Concen: 56.052 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1184002

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.8	44.6
169	13.3	10.8	16.2

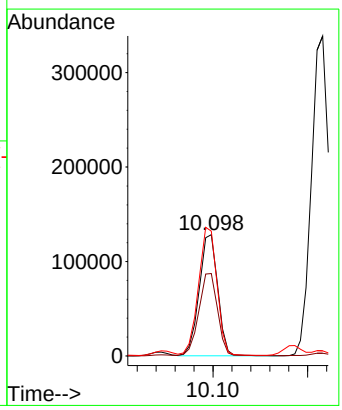


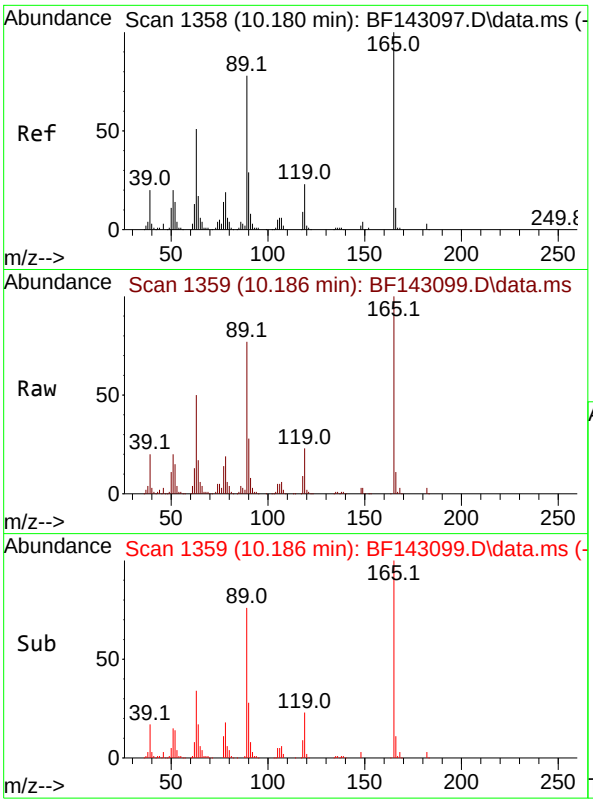


#56
4-Nitrophenol
Concen: 65.716 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:139 Resp: 174657

Ion	Ratio	Lower	Upper
139	100		
109	67.9	49.4	89.4
65	102.8	88.2	128.2



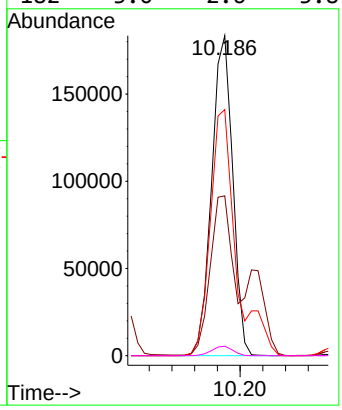


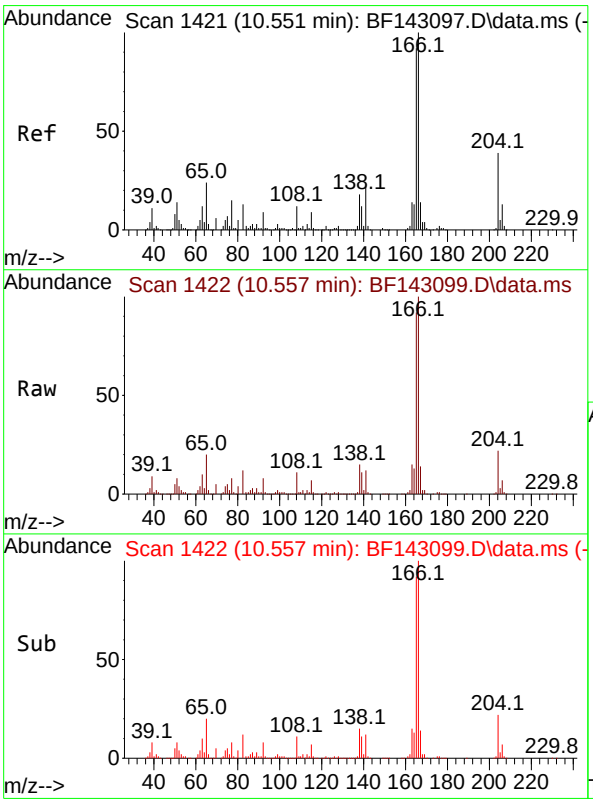
#57
2,4-Dinitrotoluene
Concen: 60.695 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 235488

Ion	Ratio	Lower	Upper
165	100		
63	49.9	40.6	61.0
89	76.9	62.3	93.5
182	3.0	2.6	3.8

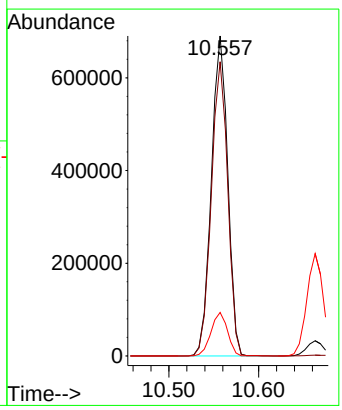


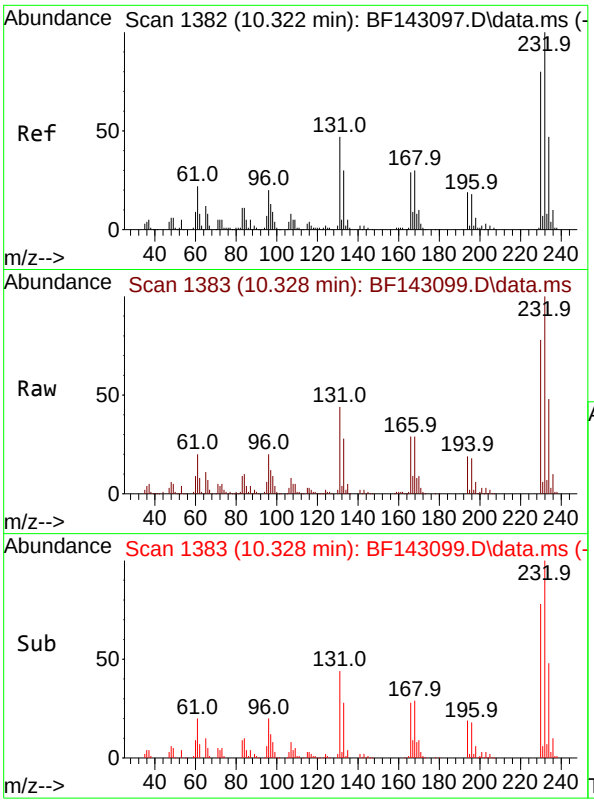


#58
Fluorene
Concen: 55.265 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:166 Resp: 875218

Ion	Ratio	Lower	Upper
166	100		
165	91.9	73.7	110.5
167	13.6	10.9	16.3



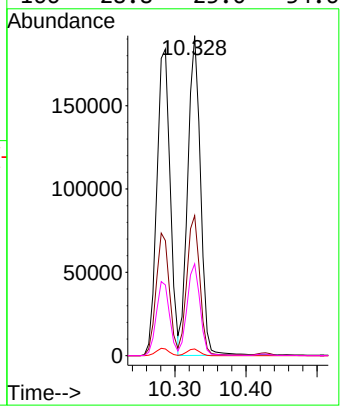


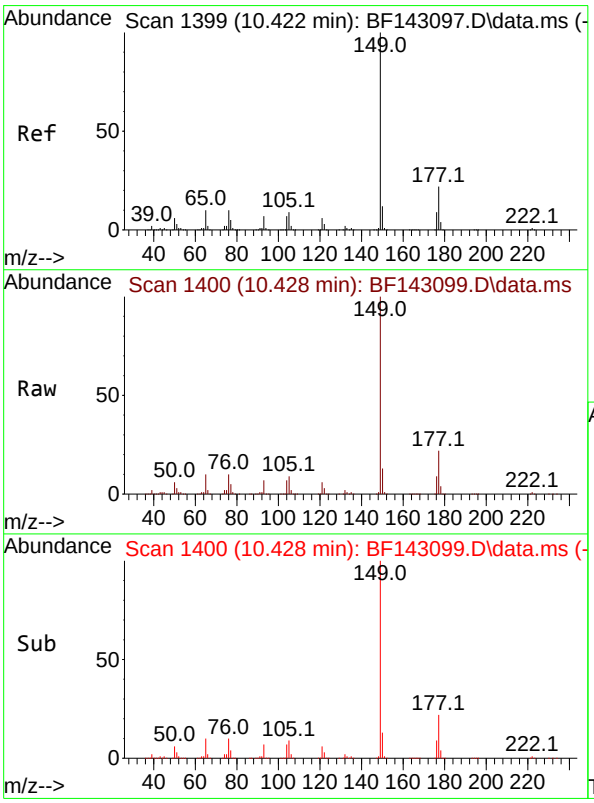
#59
2,3,4,6-Tetrachlorophenol
Concen: 64.235 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 238428

Ion	Ratio	Lower	Upper
232	100		
131	43.9	36.9	55.3
130	2.1	1.8	2.8
166	28.8	23.0	34.6

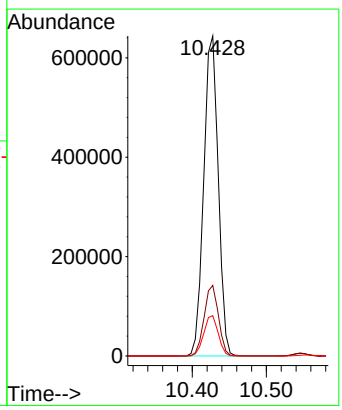


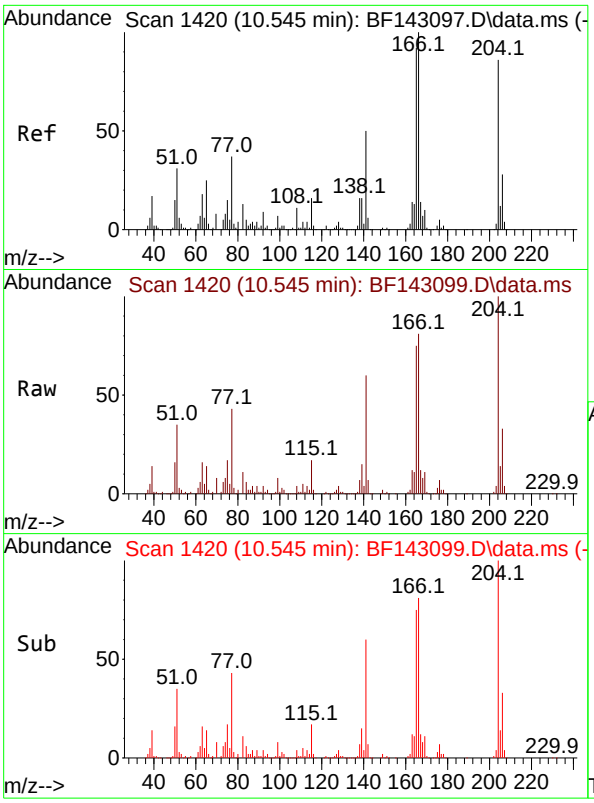


#60
Diethylphthalate
Concen: 58.672 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 876047

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.3	25.9
150	12.6	9.9	14.9



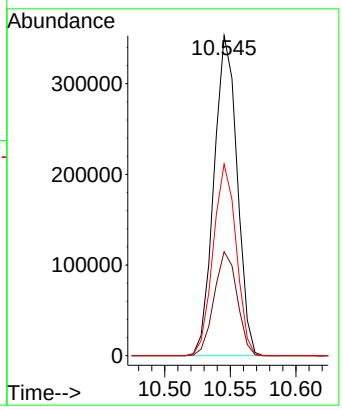


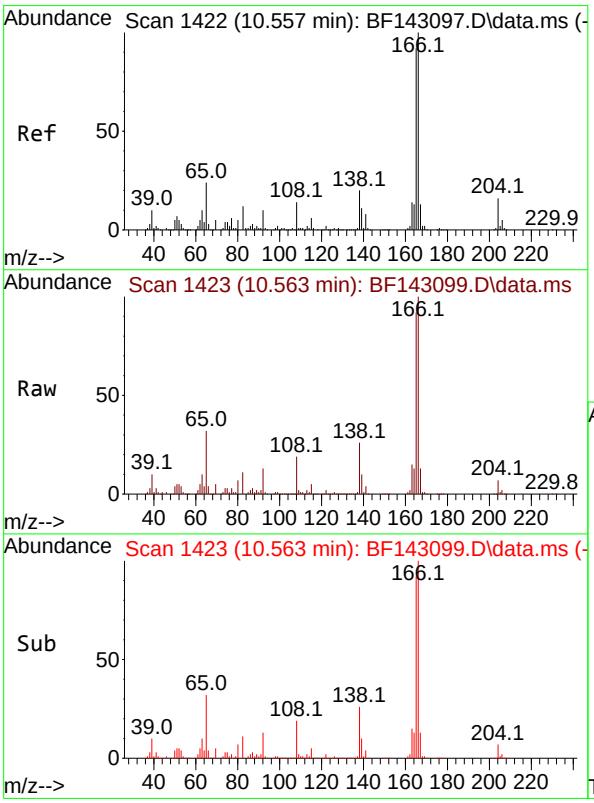
#61
4-Chlorophenyl-phenylether
Concen: 57.000 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 432659

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	59.9	46.8	70.2

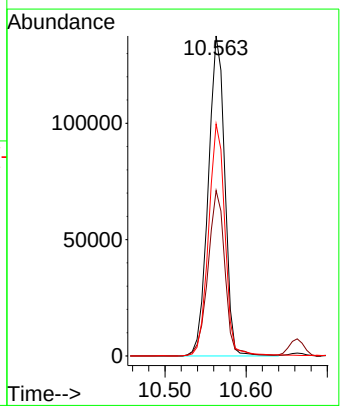


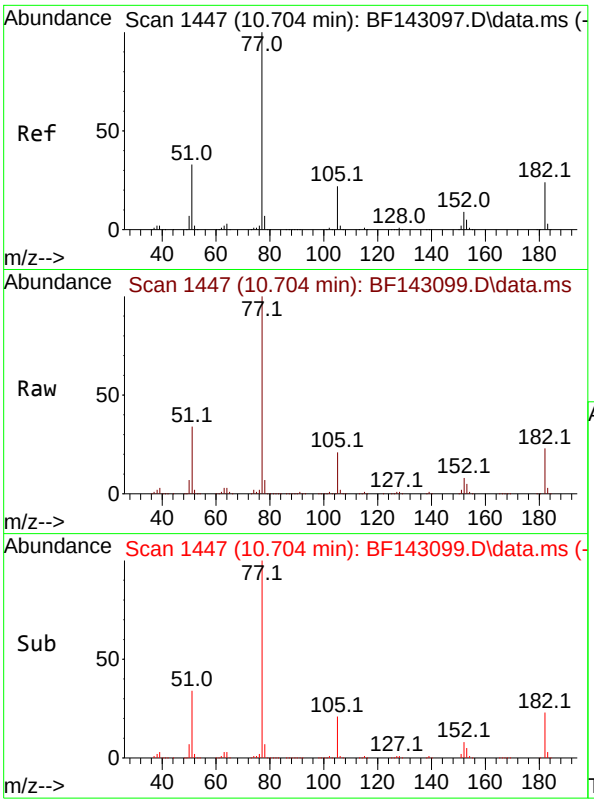


#62
4-Nitroaniline
Concen: 66.802 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:138 Resp: 194271

Ion	Ratio	Lower	Upper
138	100		
92	51.7	30.4	70.4
108	72.5	49.5	89.5



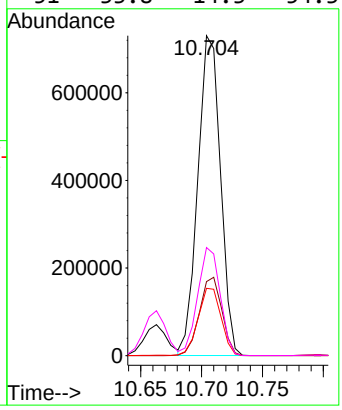


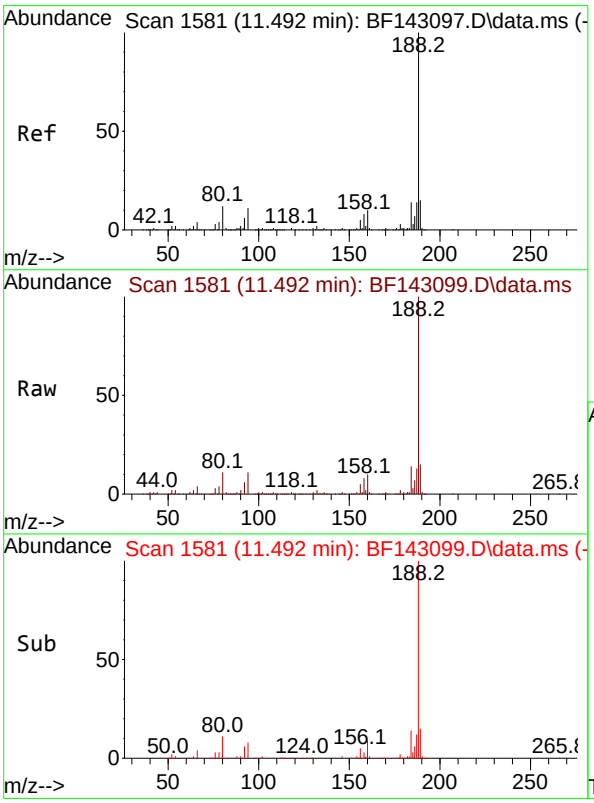
#63
Azobenzene
Concen: 57.300 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 946204

Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.0	44.0
105	21.1	1.4	41.4
51	33.8	14.3	54.3

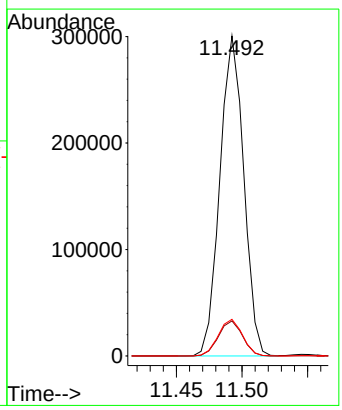


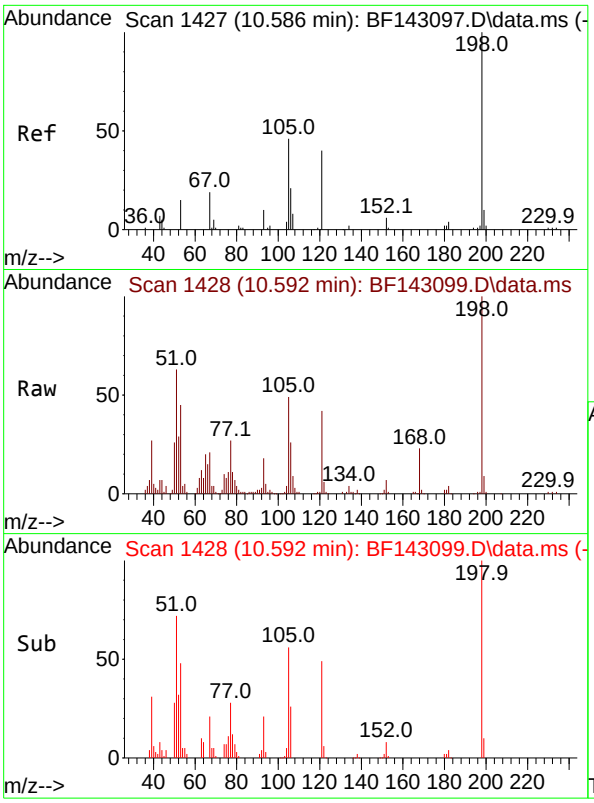


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:188 Resp: 380313

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.6	13.0
80	11.4	9.3	13.9



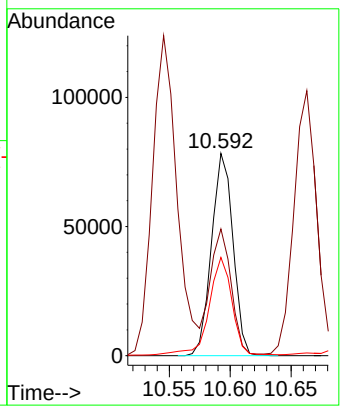


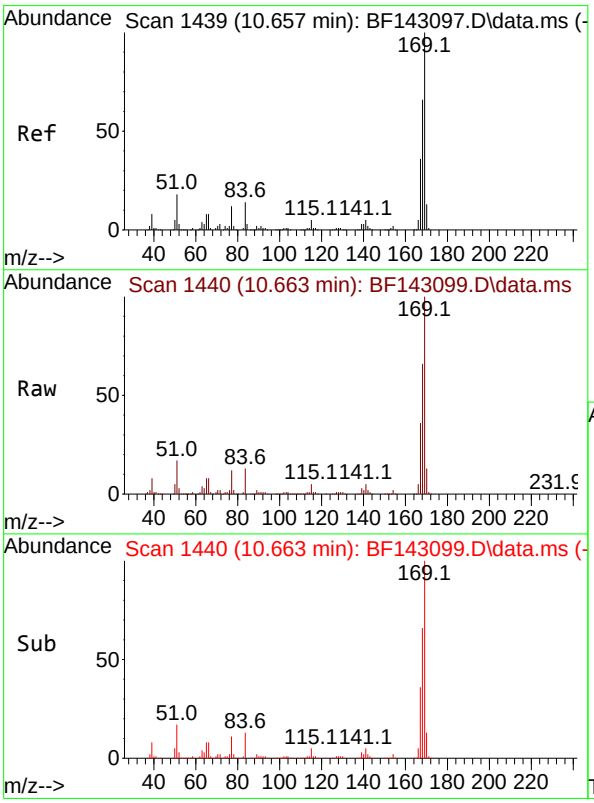
#65
4,6-Dinitro-2-methylphenol
Concen: 62.285 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 96305

Ion	Ratio	Lower	Upper
198	100		
51	62.6	44.6	84.6
105	48.6	29.3	69.3

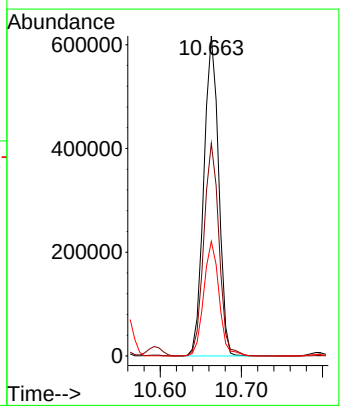


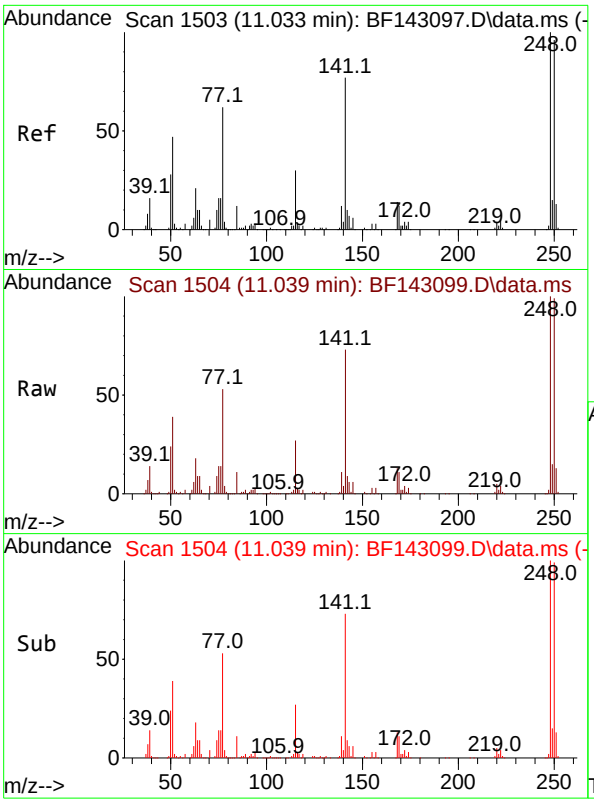


#66
n-Nitrosodiphenylamine
Concen: 58.469 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:169 Resp: 781087

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.0	79.6
167	35.8	28.4	42.6



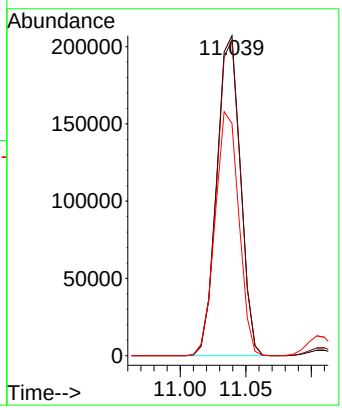


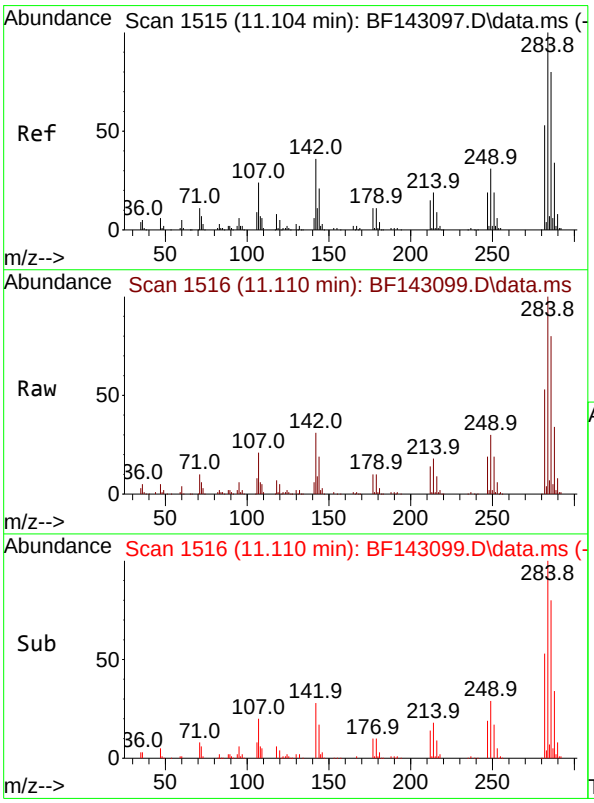
#67
4-Bromophenyl-phenylether
Concen: 60.229 ng
RT: 11.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 260491

Ion	Ratio	Lower	Upper
248	100		
250	98.7	76.7	115.1
141	72.6	61.7	92.5

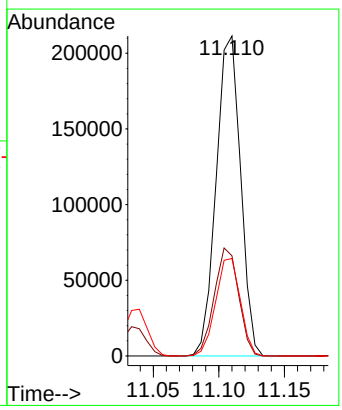


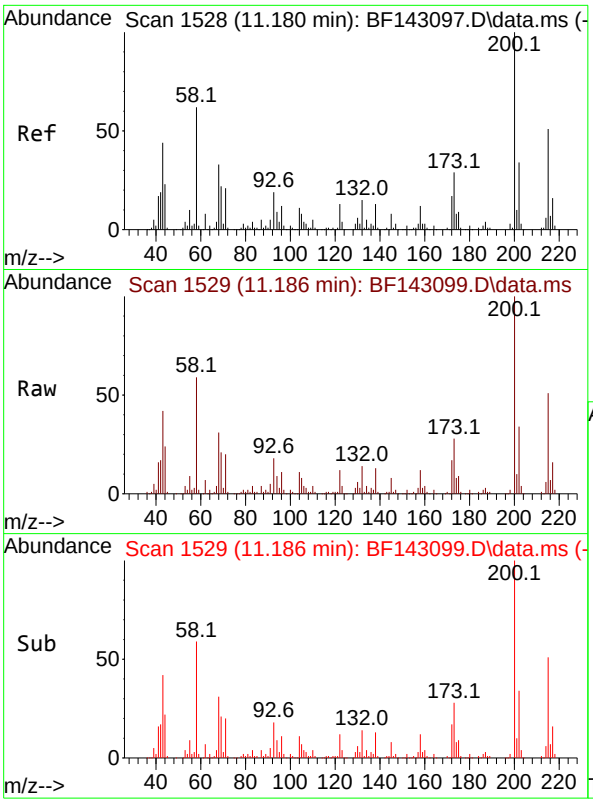


#68
Hexachlorobenzene
Concen: 59.515 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:284 Resp: 273112

Ion	Ratio	Lower	Upper
284	100		
142	31.3	28.9	43.3
249	30.5	24.6	37.0



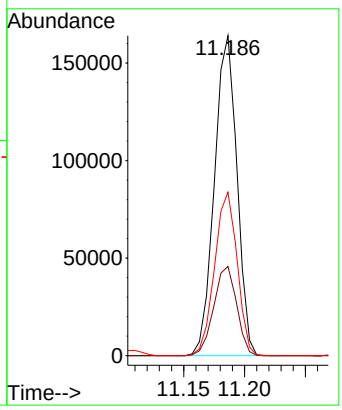


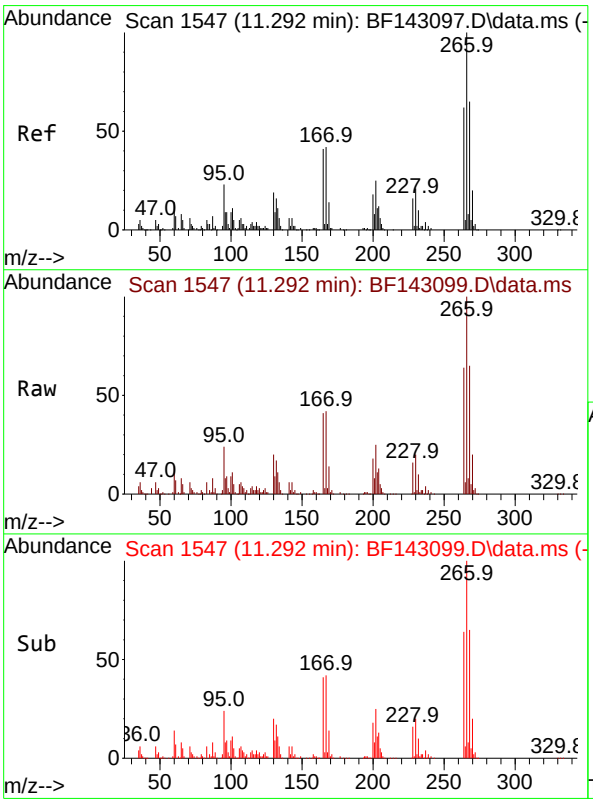
#69
Atrazine
Concen: 61.838 ng
RT: 11.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 211351

Ion	Ratio	Lower	Upper
200	100		
173	27.9	9.1	49.1
215	51.1	31.0	71.0

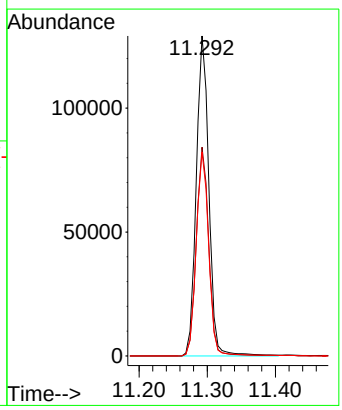


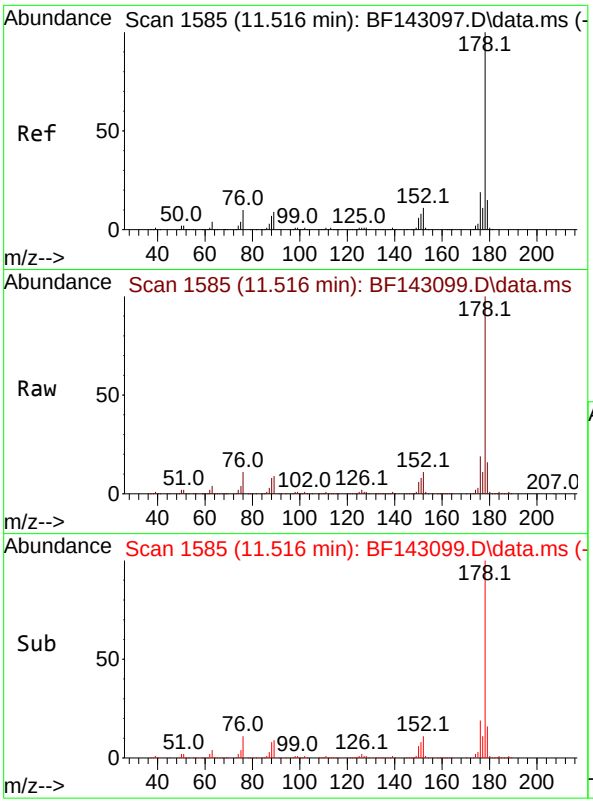


#70
Pentachlorophenol
Concen: 65.805 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:266 Resp: 165676

Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.8	77.6
264	63.7	49.7	74.5



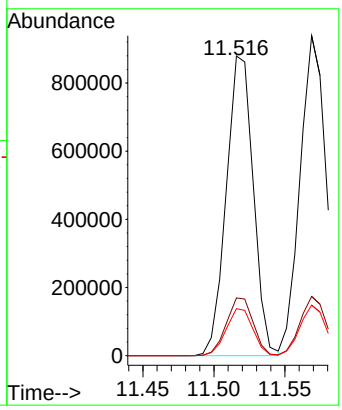


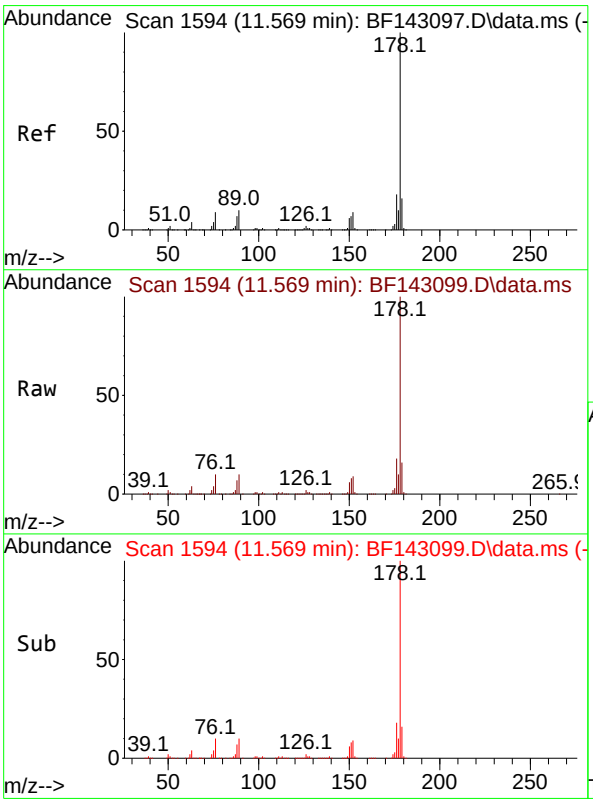
#71
Phenanthrene
Concen: 56.762 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1165047

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.7	12.2	18.4

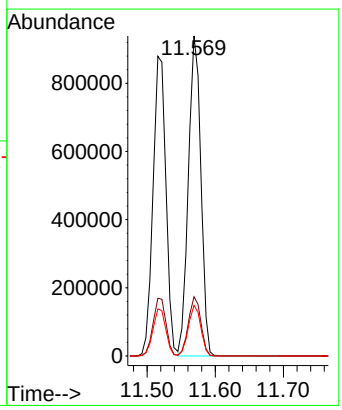


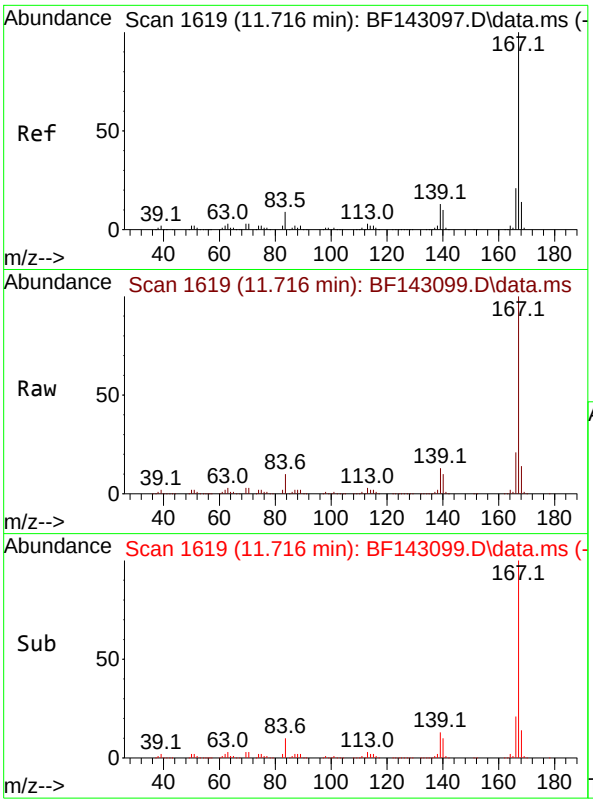


#72
Anthracene
Concen: 57.589 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:178 Resp: 1188635

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.8	12.4	18.6



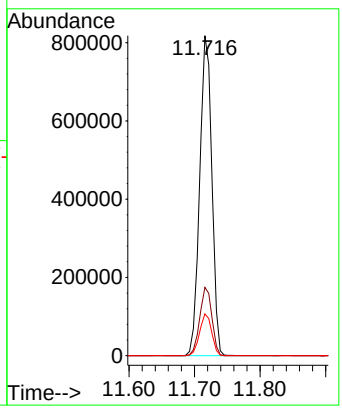


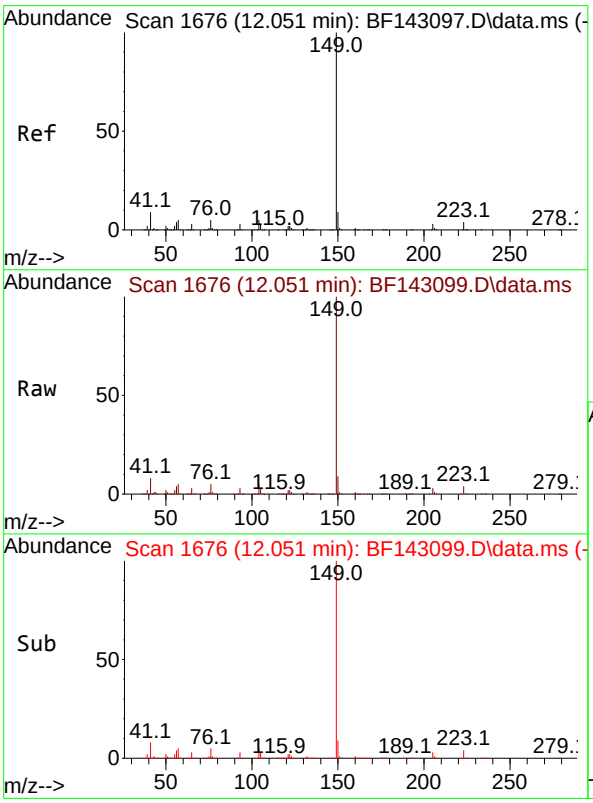
#73
Carbazole
Concen: 57.179 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1057291

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.1	10.2	15.4

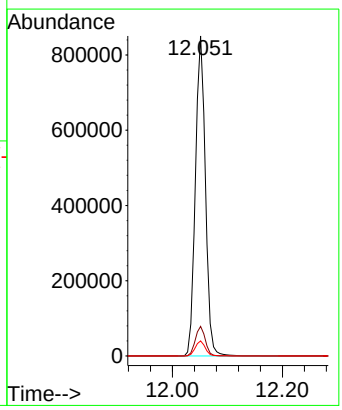


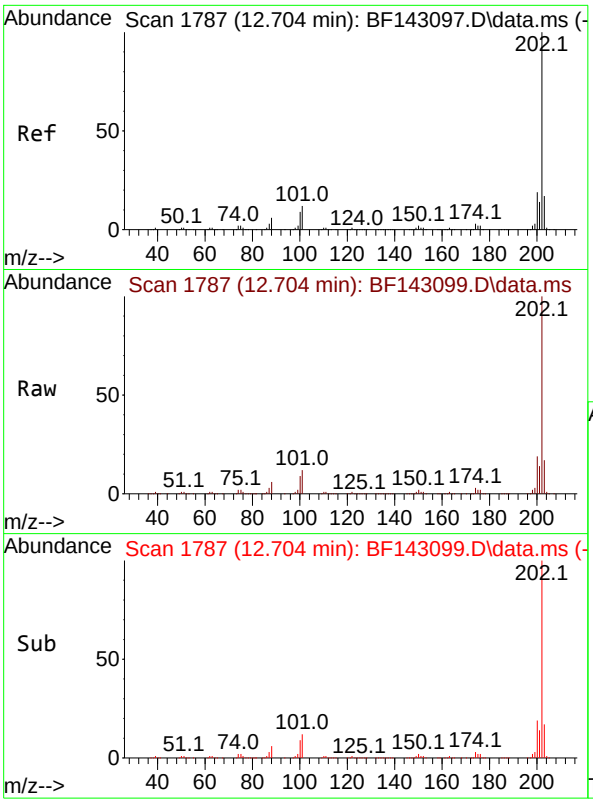


#74
Di-n-butylphthalate
Concen: 63.291 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 1074246

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.7	3.8	5.8



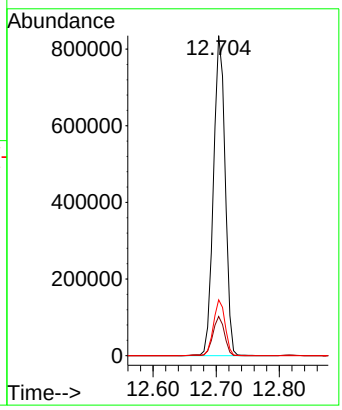


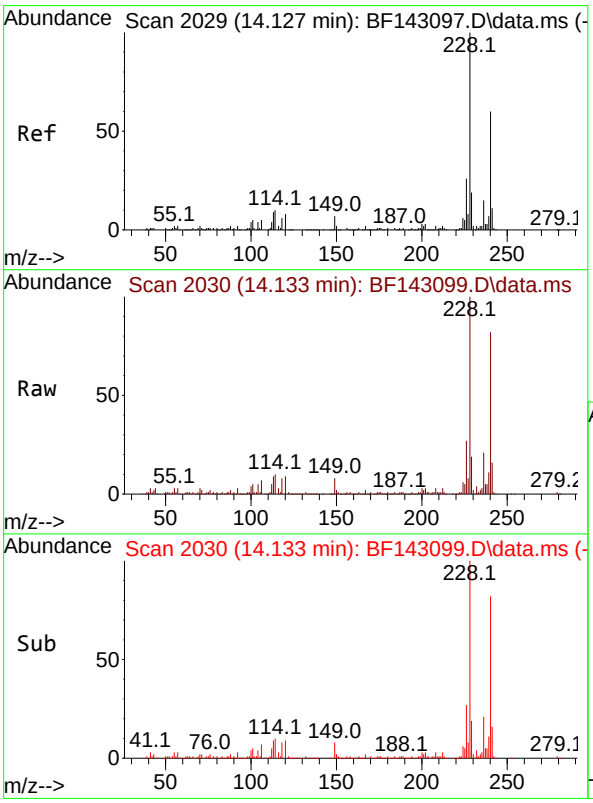
#75
Fluoranthene
Concen: 57.328 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1069898

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.4
203	17.4	0.0	37.4

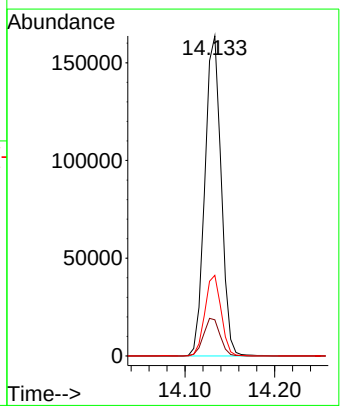


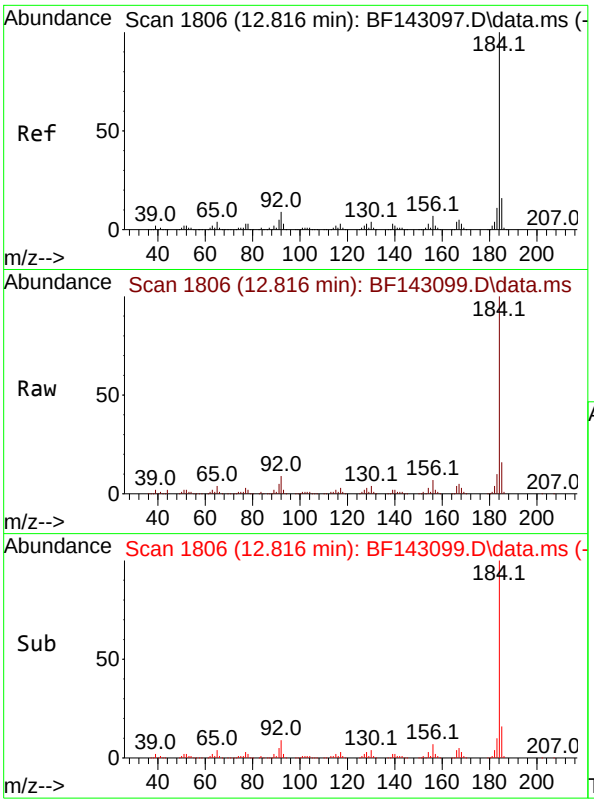


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:240 Resp: 205942

Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.0	15.0
236	25.2	20.0	30.0



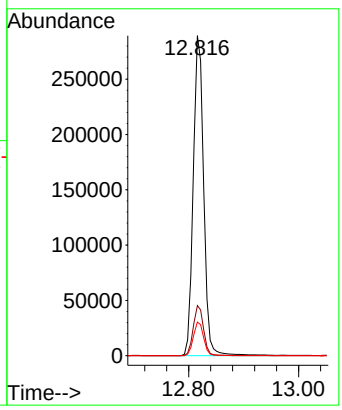


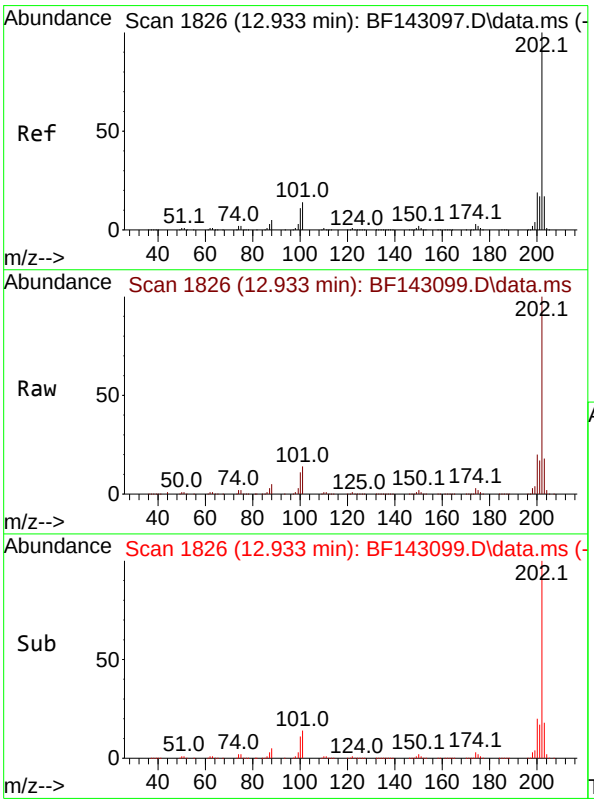
#77
Benzidine
Concen: 54.244 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 380587

Ion	Ratio	Lower	Upper
184	100		
185	15.6	12.4	18.6
183	10.5	8.6	12.8

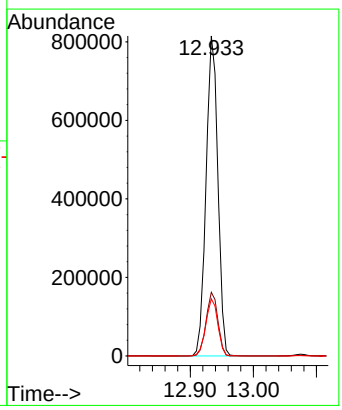


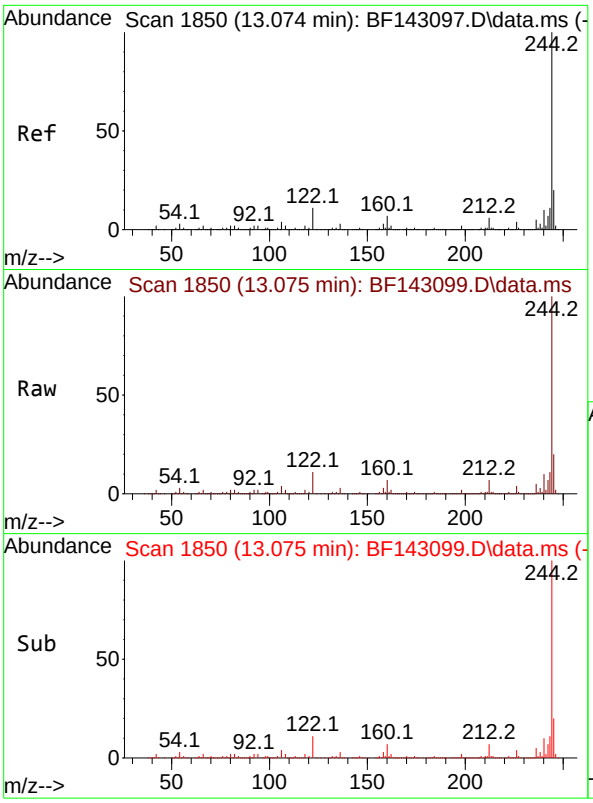


#78
Pyrene
Concen: 55.485 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:202 Resp: 1060216

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.5	23.3
203	17.8	14.0	21.0



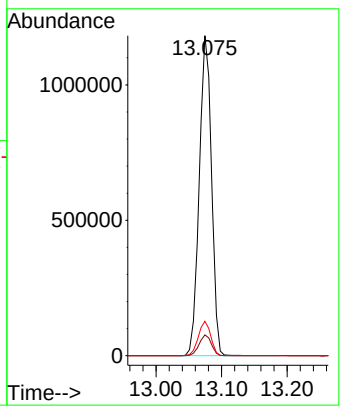


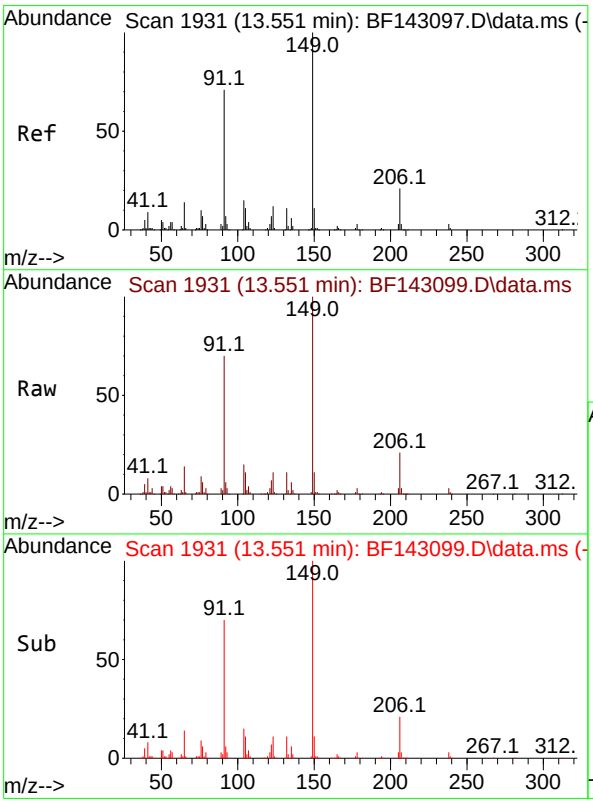
#79
Terphenyl-d14
Concen: 109.260 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1539271

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.7	8.8	13.2

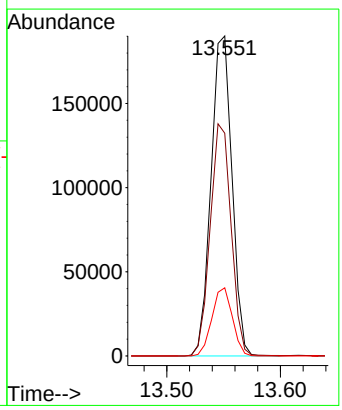


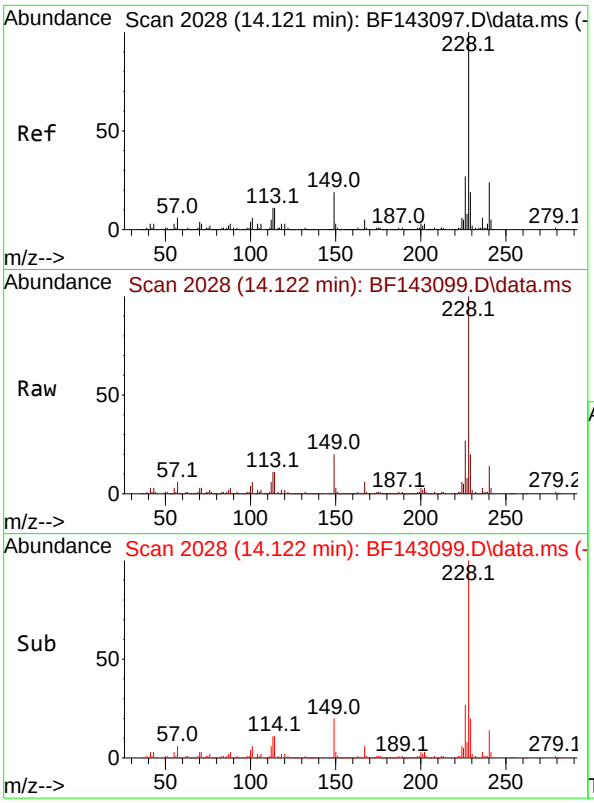


#80
Butylbenzylphthalate
Concen: 62.406 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 243805

Ion	Ratio	Lower	Upper
149	100		
91	69.6	57.0	85.4
206	21.3	17.2	25.8



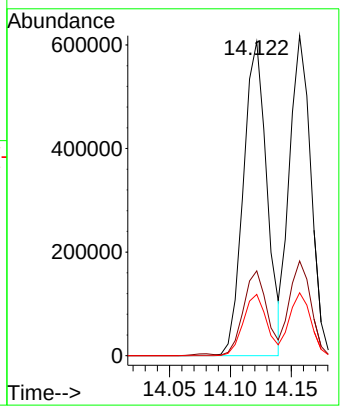


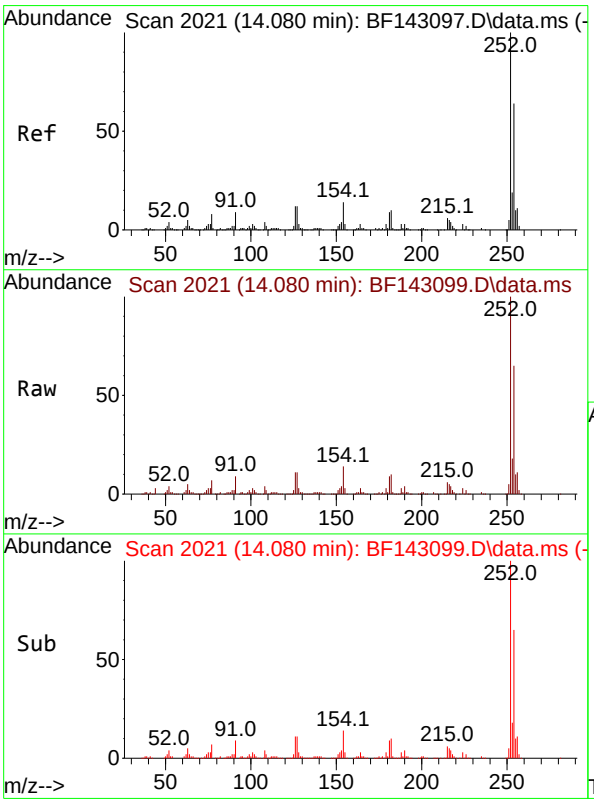
#81
Benzo(a)anthracene
Concen: 59.697 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 819246

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	19.5	15.5	23.3

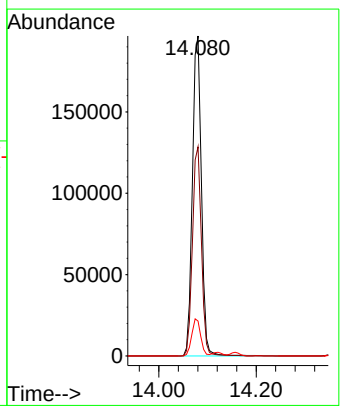


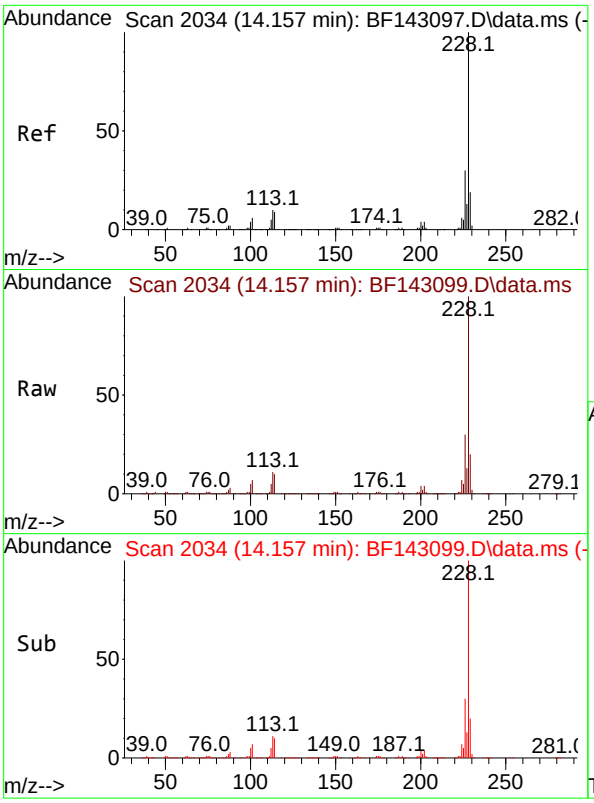


#82
3,3'-Dichlorobenzidine
Concen: 63.758 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 254086

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	10.9	9.4	14.0



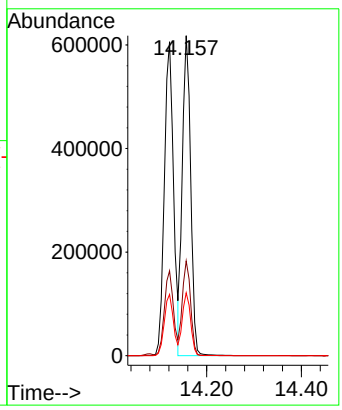


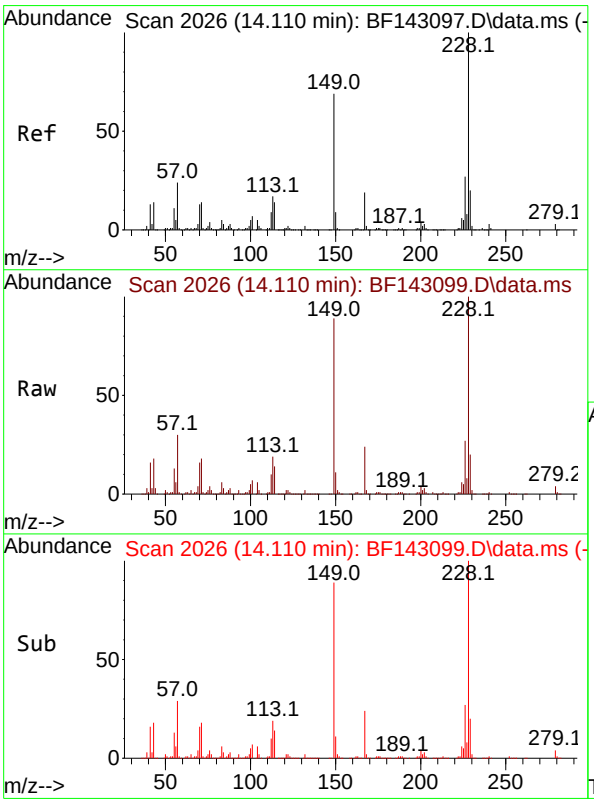
#83
Chrysene
Concen: 60.044 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 758916

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	19.7	15.3	22.9

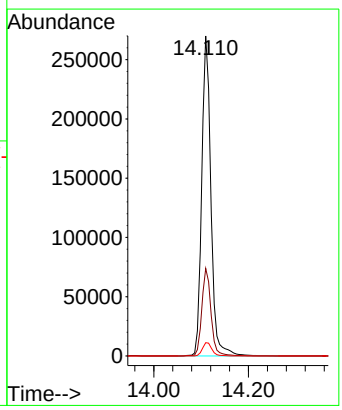


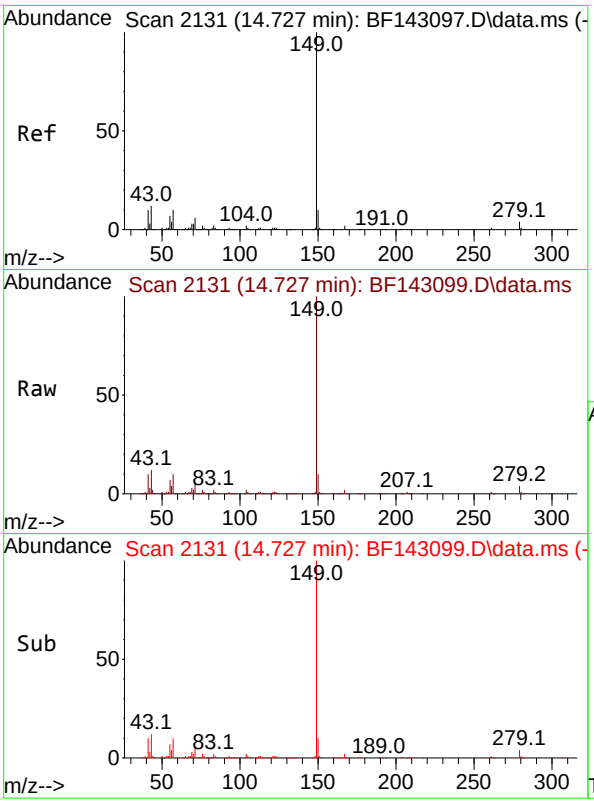


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.957 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:149 Resp: 364902

Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.9	32.9
279	4.2	3.4	5.0



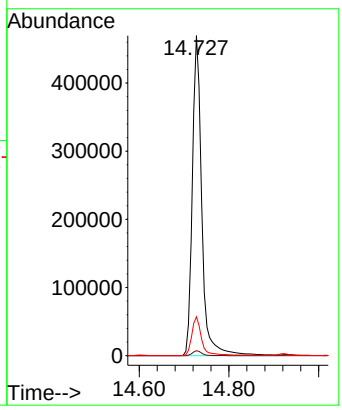


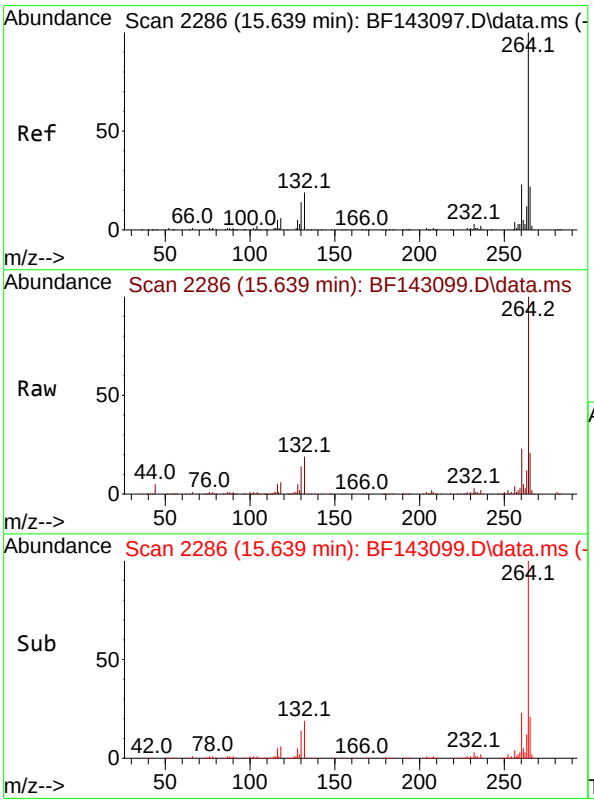
#85
Di-n-octyl phthalate
Concen: 60.817 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 688940

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.4	10.6	16.0

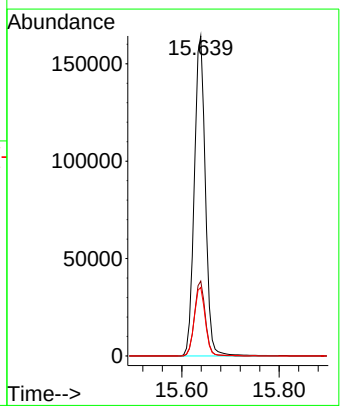


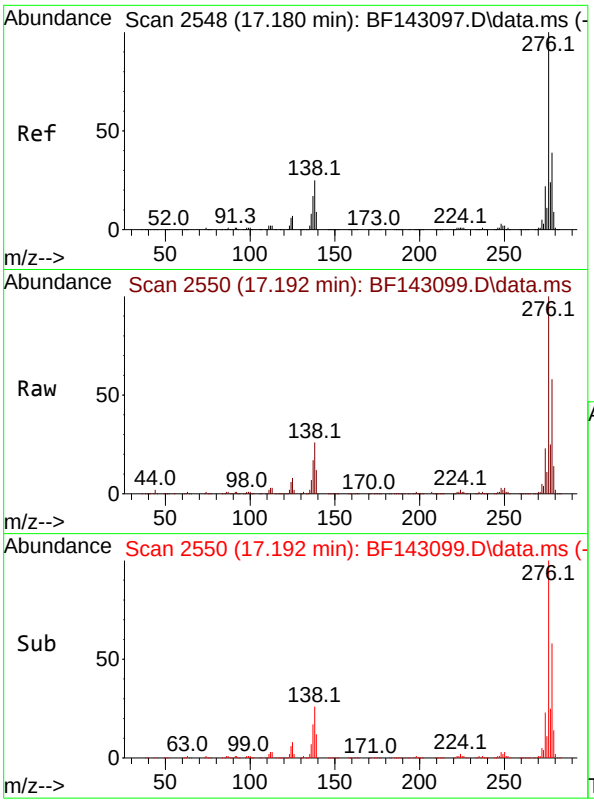


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:264 Resp: 260121

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.4	17.5	26.3



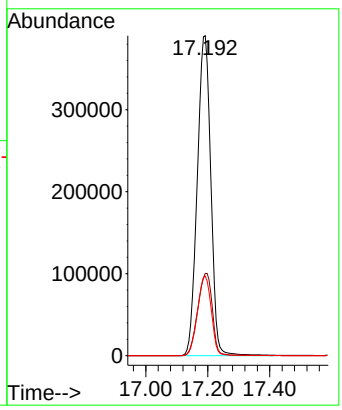


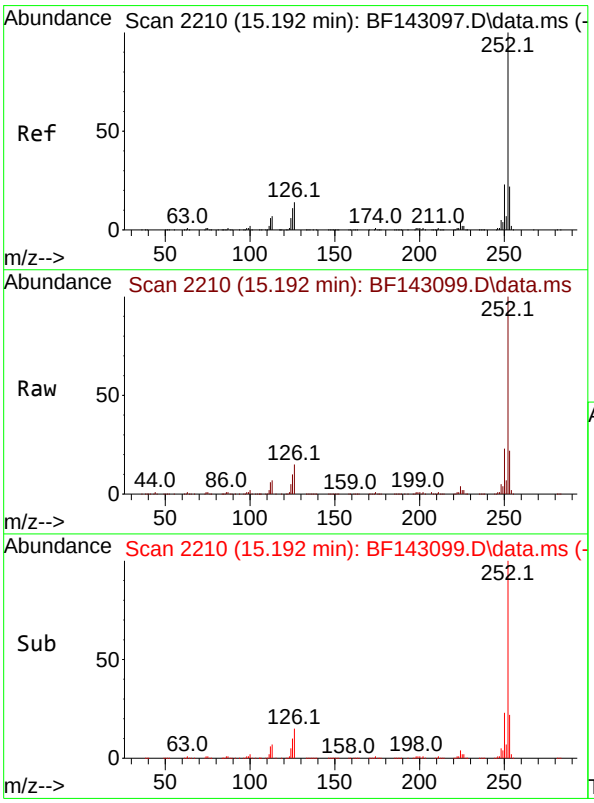
#87
Indeno(1,2,3-cd)pyrene
Concen: 61.286 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1185702

Ion	Ratio	Lower	Upper
276	100		
138	27.6	22.6	34.0
277	25.4	20.2	30.2

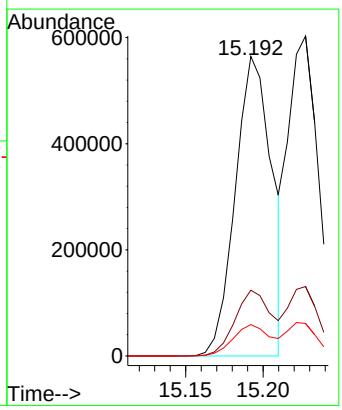


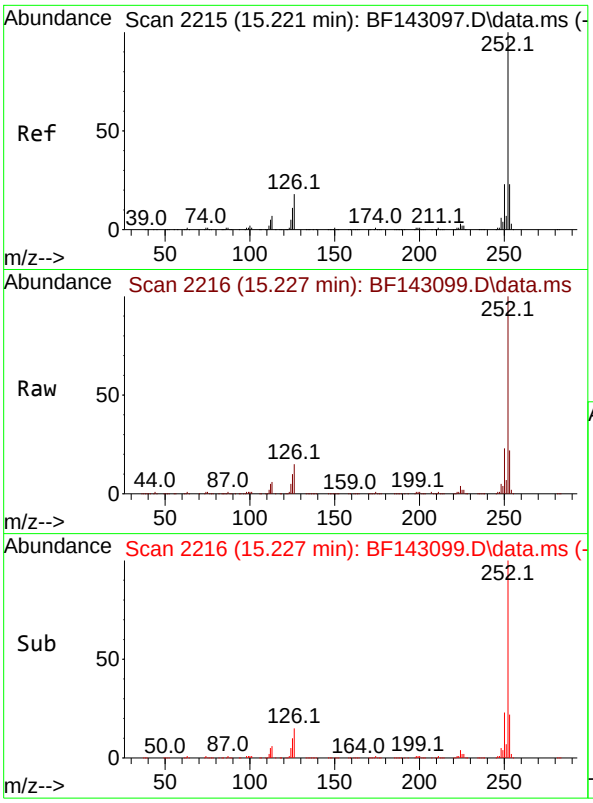


#88
Benzo(b)fluoranthene
Concen: 61.640 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 924866

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.5	8.6	13.0



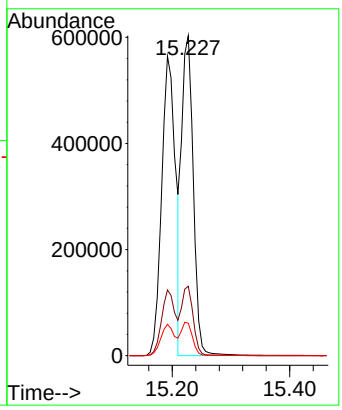


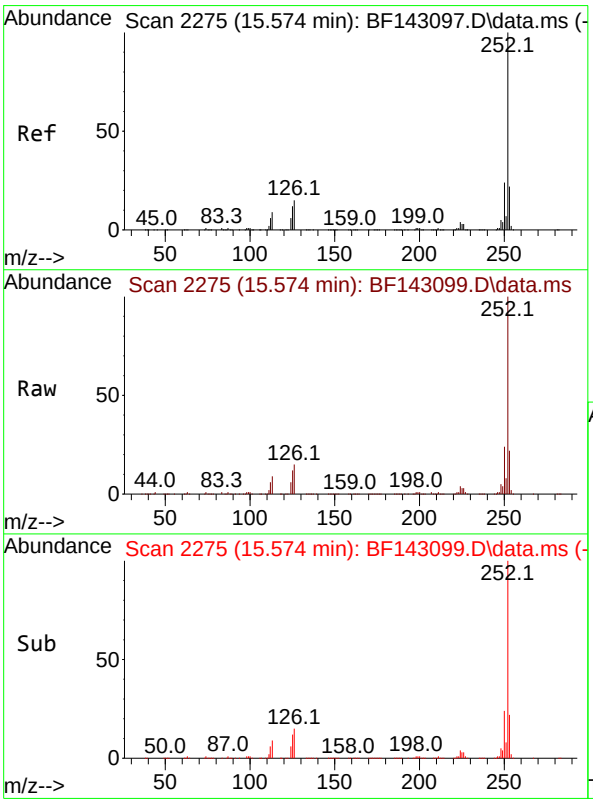
#89
Benzo(k)fluoranthene
Concen: 57.794 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 827274

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.2	8.5	12.7

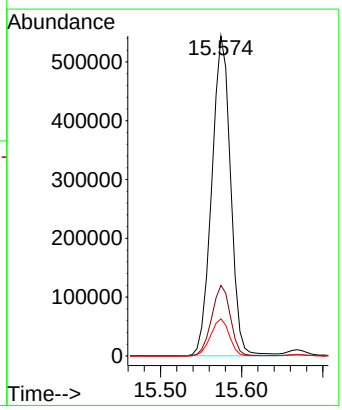


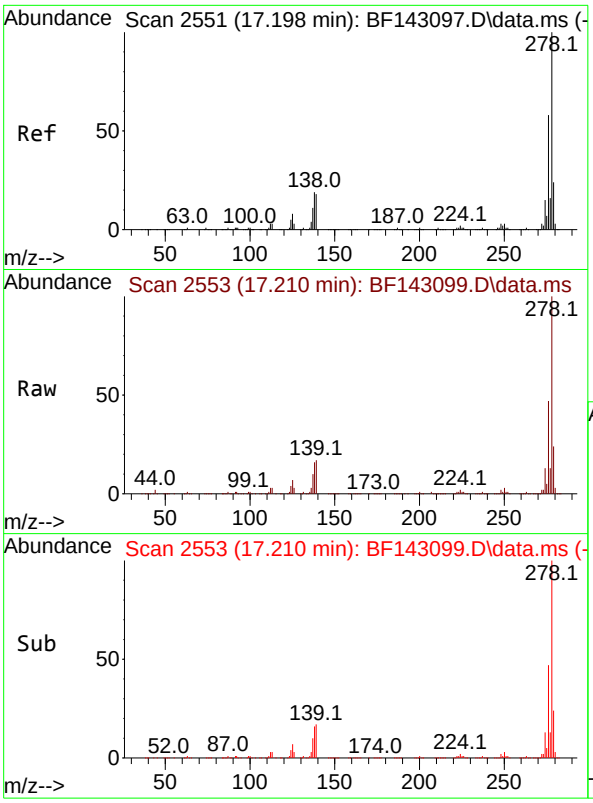


#90
Benzo(a)pyrene
Concen: 61.791 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.000 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:252 Resp: 876856

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	11.6	9.4	14.0



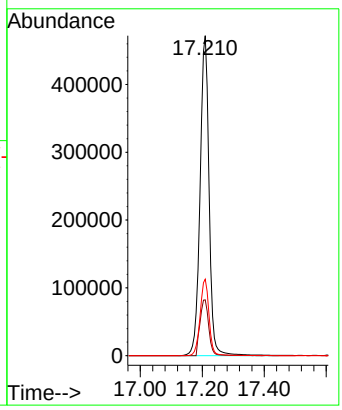


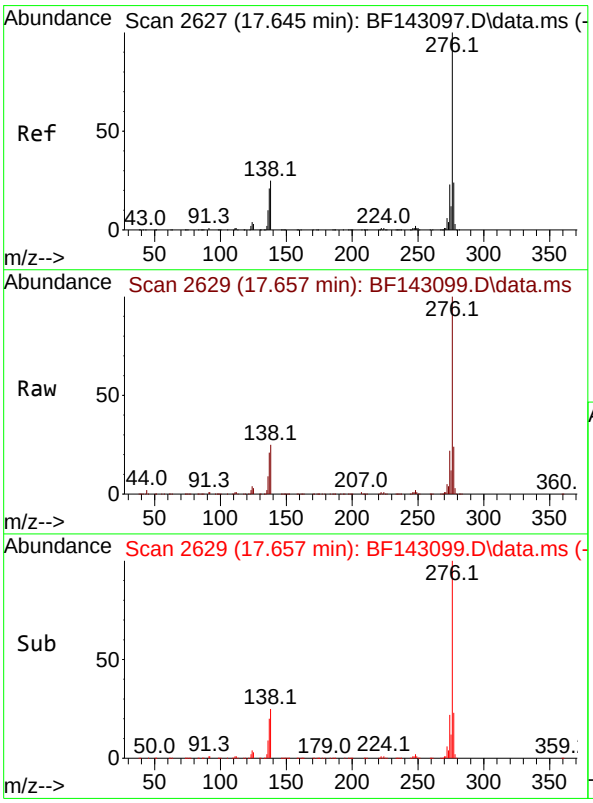
#91
Dibenzo(a,h)anthracene
Concen: 60.300 ng
RT: 17.210 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 953666

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.6	22.0
279	23.9	18.8	28.2

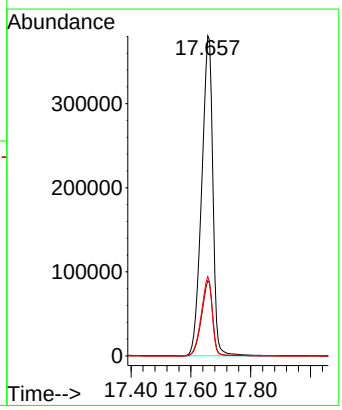




#92
Benzo(g,h,i)perylene
Concen: 60.962 ng
RT: 17.657 min Scan# 2629
Delta R.T. 0.012 min
Lab File: BF143099.D
Acq: 15 Jul 2025 16:05

Tgt Ion:276 Resp: 982960

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.2	28.8
138	24.8	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSTDICC080

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	129576	20.000	ng		0.00
21) Naphthalene-d8	8.251	136	487361	20.000	ng		0.00
39) Acenaphthene-d10	10.010	164	236260	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	362117	20.000	ng		0.00
76) Chrysene-d12	14.133	240	196411	20.000	ng		0.00
86) Perylene-d12	15.639	264	256691	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	1189824	145.077	ng		0.00
7) Phenol-d6	6.593	99	1493965	144.917	ng		0.00
23) Nitrobenzene-d5	7.534	82	1441614	165.933	ng		0.00
42) 2,4,6-Tribromophenol	10.798	330	355830	168.911	ng		0.00
45) 2-Fluorobiphenyl	9.328	172	2339151	131.609	ng		0.00
79) Terphenyl-d14	13.075	244	1779829	132.466	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.805	88	303852	74.427	ng		100
3) Pyridine	3.581	79	787323	76.158	ng		99
4) n-Nitrosodimethylamine	3.534	42	421072	78.614	ng		100
6) Aniline	6.634	93	1072162	73.855	ng		100
8) 2-Chlorophenol	6.757	128	628294	76.249	ng		99
9) Benzaldehyde	6.522	77	447861	57.014	ng		99
10) Phenol	6.610	94	852212	76.362	ng		94
11) bis(2-Chloroethyl)ether	6.704	93	626821	72.551	ng		98
12) 1,3-Dichlorobenzene	6.916	146	666489	71.595	ng		100
13) 1,4-Dichlorobenzene	6.987	146	669586	71.496	ng		99
14) 1,2-Dichlorobenzene	7.145	146	643168	72.014	ng		99
15) Benzyl Alcohol	7.104	79	586953	76.840	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.245	45	1125357	70.661	ng		98
17) 2-Methylphenol	7.216	107	536428	75.438	ng		99
18) Hexachloroethane	7.487	117	235713	77.313	ng		99
19) n-Nitroso-di-n-propyla...	7.393	70	464705	73.578	ng		98
20) 3+4-Methylphenols	7.369	107	616275	70.670	ng		95
22) Acetophenone	7.381	105	817243	69.563	ng	#	95
24) Nitrobenzene	7.551	77	676569	80.671	ng		99
25) Isophorone	7.798	82	1269015	75.573	ng		100
26) 2-Nitrophenol	7.863	139	287169	82.598	ng		98
27) 2,4-Dimethylphenol	7.898	122	582059	74.683	ng		98
28) bis(2-Chloroethoxy)met...	7.998	93	731977	71.885	ng		100
29) 2,4-Dichlorophenol	8.104	162	496027	77.795	ng		99
30) 1,2,4-Trichlorobenzene	8.192	180	520808	71.974	ng		98
31) Naphthalene	8.275	128	1711163	70.704	ng		100
32) Benzoic acid	8.022	122	336178	81.374	ng		99
33) 4-Chloroaniline	8.316	127	688999	70.795	ng		99
34) Hexachlorobutadiene	8.398	225	318274	73.546	ng		98
35) Caprolactam	8.698	113	161466	81.097	ng		94
36) 4-Chloro-3-methylphenol	8.792	107	539340	75.937	ng		97
37) 2-Methylnaphthalene	8.963	142	1021312	70.738	ng		99
38) 1-Methylnaphthalene	9.063	142	1047560	69.955	ng		100
40) 1,2,4,5-Tetrachloroben...	9.134	216	493246	71.639	ng		99
41) Hexachlorocyclopentadiene	9.128	237	324865	85.103	ng		98
43) 2,4,6-Trichlorophenol	9.239	196	355839	83.176	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration

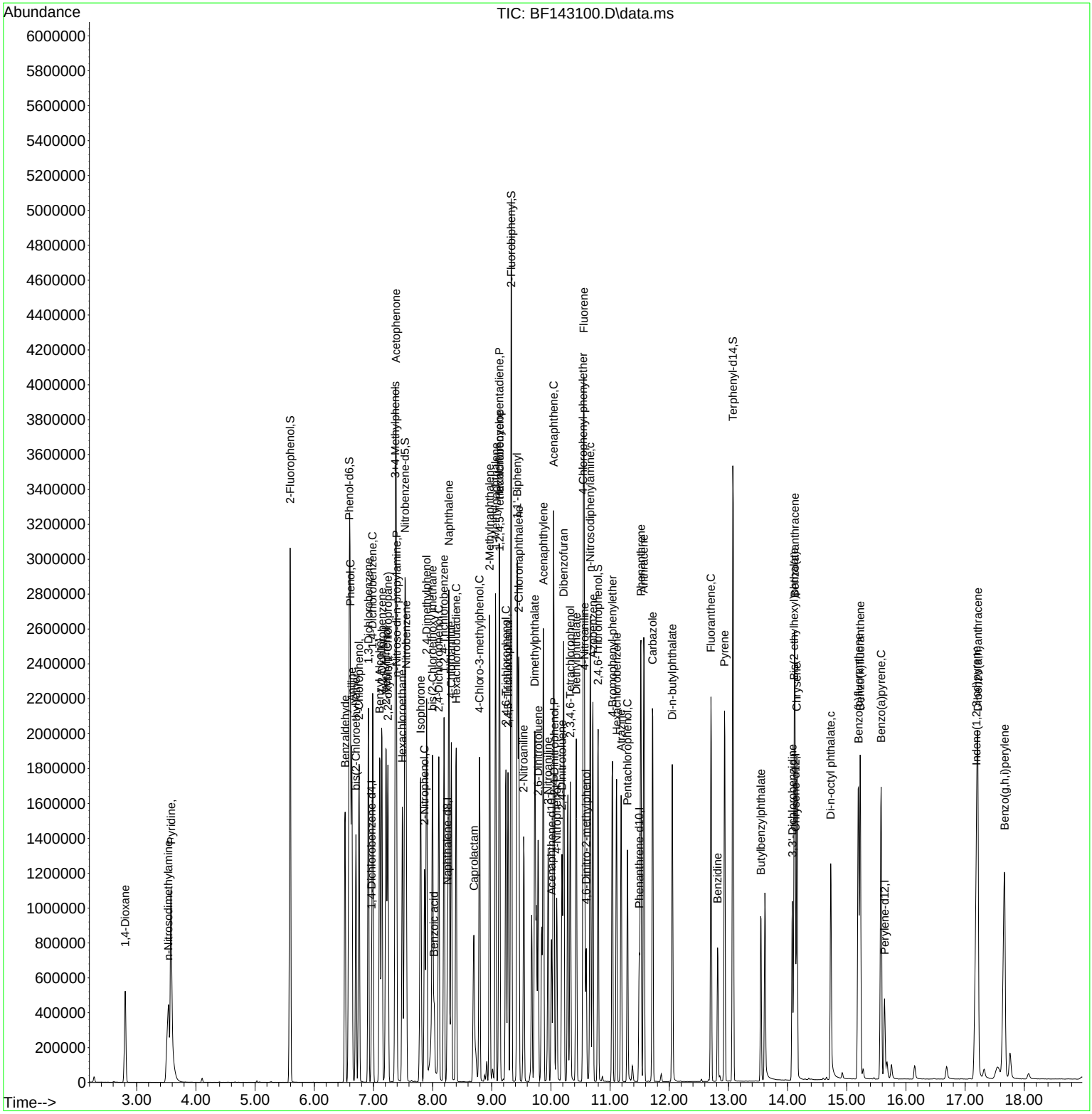
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	357298	79.651	ng		99
46) 1,1'-Biphenyl	9.428	154	1307947	69.419	ng		99
47) 2-Chloronaphthalene	9.457	162	990436	71.557	ng		99
48) 2-Nitroaniline	9.539	65	335875	79.074	ng		99
49) Acenaphthylene	9.875	152	1650097	71.544	ng		99
50) Dimethylphthalate	9.728	163	1104756	74.327	ng		100
51) 2,6-Dinitrotoluene	9.787	165	233478	77.660	ng		91
52) Acenaphthene	10.045	154	975285	71.657	ng		99
53) 3-Nitroaniline	9.951	138	279161	86.920	ng		99
54) 2,4-Dinitrophenol	10.057	184	91751	79.064	ng	#	1
55) Dibenzofuran	10.216	168	1432458	70.610	ng		100
56) 4-Nitrophenol	10.098	139	219224	85.886	ng		97
57) 2,4-Dinitrotoluene	10.186	165	302558	80.048	ng		99
58) Fluorene	10.557	166	1043990	68.640	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	291933	81.893	ng		99
60) Diethylphthalate	10.428	149	1067815	74.464	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	524910	72.005	ng		98
62) 4-Nitroaniline	10.569	138	244461	87.527	ng		97
63) Azobenzene	10.710	77	1141613	71.985	ng		98
65) 4,6-Dinitro-2-methylph...	10.598	198	125251	78.600	ng		96
66) n-Nitrosodiphenylamine	10.663	169	947890	74.520	ng		99
67) 4-Bromophenyl-phenylether	11.039	248	316619	76.885	ng		97
68) Hexachlorobenzene	11.110	284	333899	76.417	ng		96
69) Atrazine	11.186	200	266668	81.943	ng		97
70) Pentachlorophenol	11.292	266	210729	87.905	ng		99
71) Phenanthrene	11.522	178	1401500	71.714	ng		99
72) Anthracene	11.569	178	1423259	72.421	ng		99
73) Carbazole	11.716	167	1264053	71.796	ng		100
74) Di-n-butylphthalate	12.051	149	1299711	80.422	ng		100
75) Fluoranthene	12.704	202	1258479	70.821	ng		99
77) Benzidine	12.816	184	403599	60.315	ng		99
78) Pyrene	12.933	202	1244953	68.315	ng		99
80) Butylbenzylphthalate	13.551	149	301525	79.914	ng		99
81) Benzo(a)anthracene	14.122	228	979909	74.870	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	296061	77.896	ng		99
83) Chrysene	14.157	228	913035	75.743	ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	458210	80.495	ng		99
85) Di-n-octyl phthalate	14.727	149	916748	82.209	ng		98
87) Indeno(1,2,3-cd)pyrene	17.192	276	1509813	79.082	ng		98
88) Benzo(b)fluoranthene	15.198	252	1115815	75.360	ng		99
89) Benzo(k)fluoranthene	15.227	252	1083939	76.736	ng		99
90) Benzo(a)pyrene	15.580	252	1107280	79.071	ng		99
91) Dibenzo(a,h)anthracene	17.215	278	1209971	77.528	ng		98
92) Benzo(g,h,i)perylene	17.668	276	1246206	78.321	ng		98

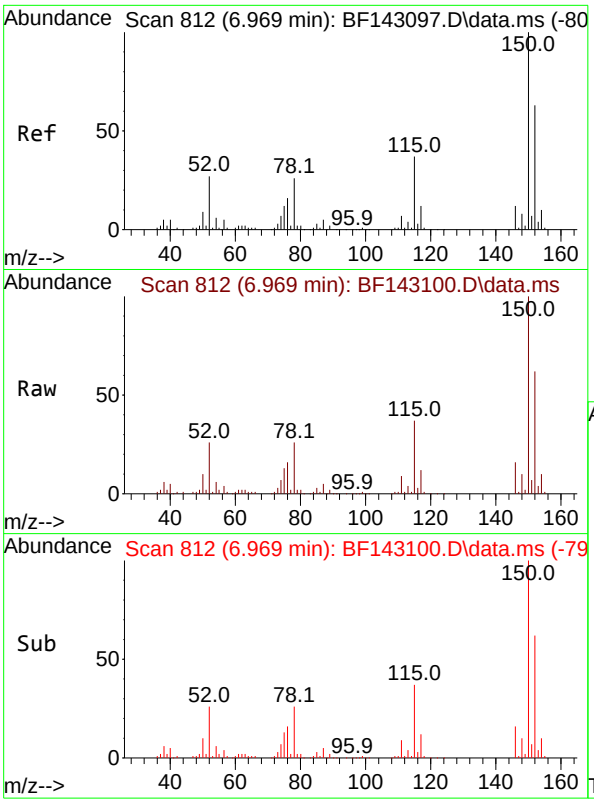
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143100.D
Acq On : 15 Jul 2025 16:35
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 15 17:42:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:08:07 2025
Response via : Initial Calibration



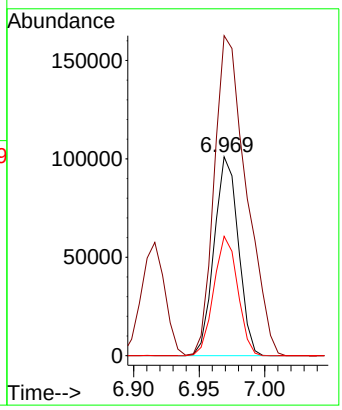


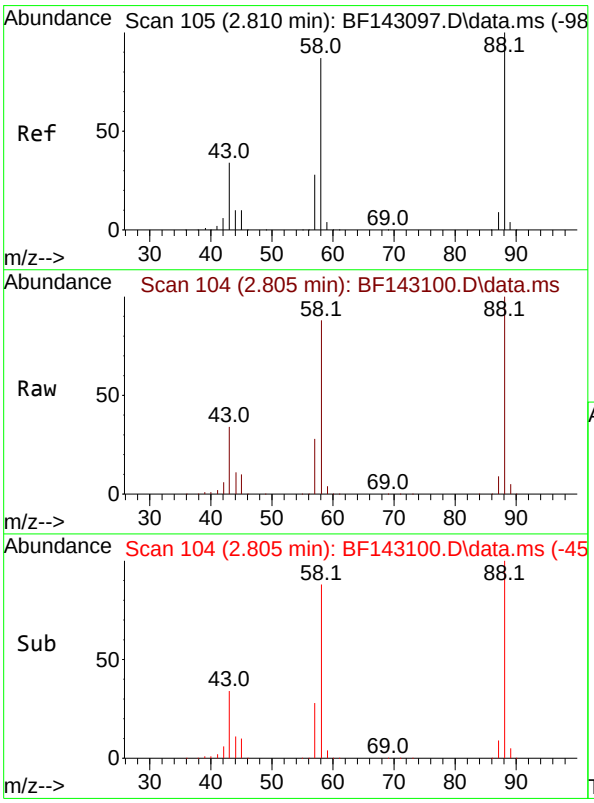
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 129576

Ion	Ratio	Lower	Upper
152	100		
150	160.9	126.5	189.7
115	60.0	47.0	70.6

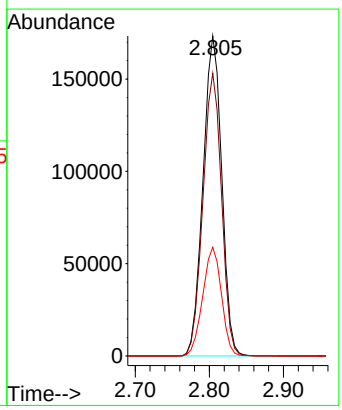


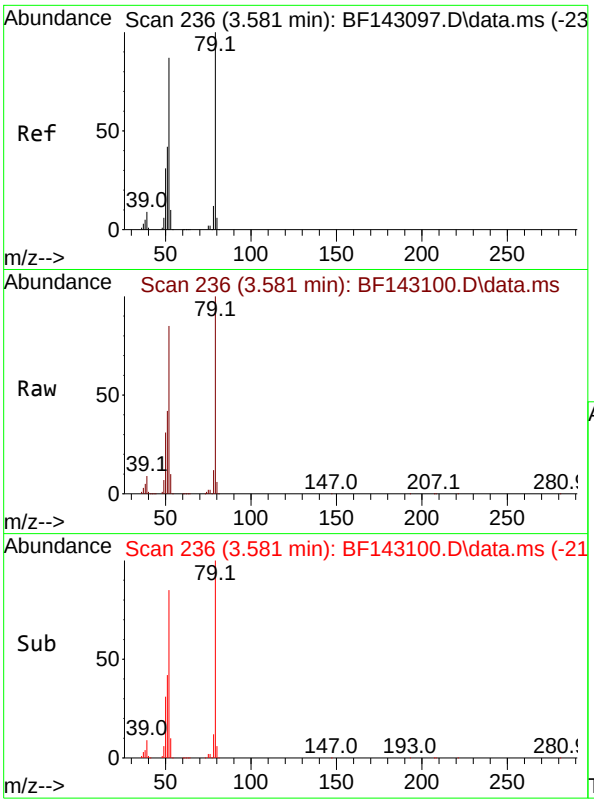


#2
1,4-Dioxane
Concen: 74.427 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 88 Resp: 303852

Ion	Ratio	Lower	Upper
88	100		
58	87.8	70.5	105.7
43	33.9	27.3	40.9



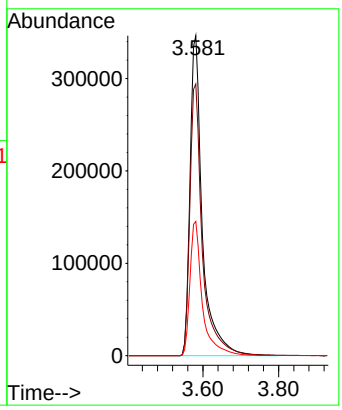


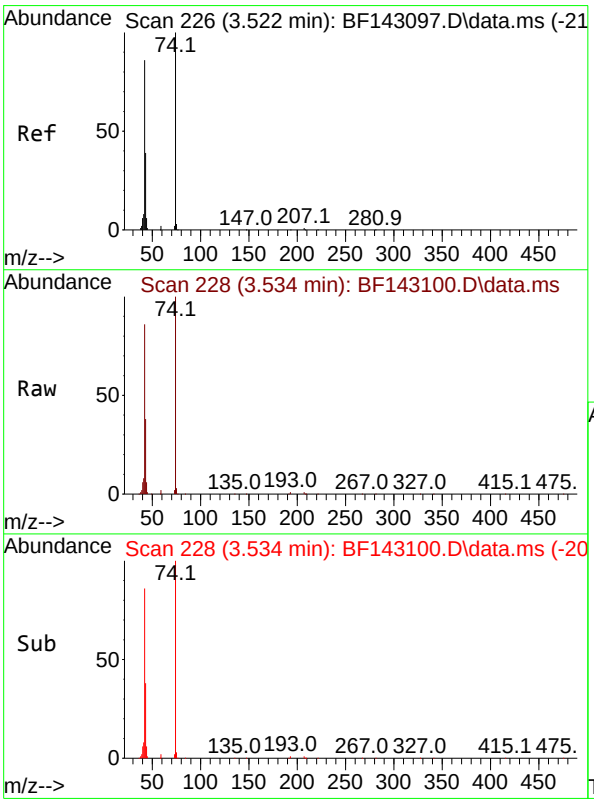
#3
Pyridine
Concen: 76.158 ng
RT: 3.581 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 787323

Ion	Ratio	Lower	Upper
79	100		
52	84.9	69.2	103.8
51	42.0	33.3	49.9

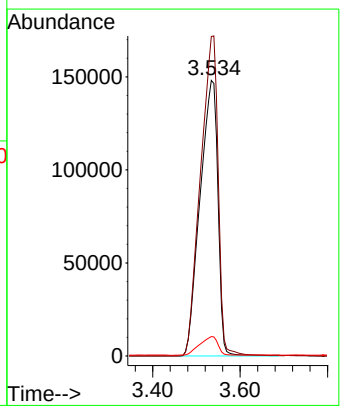


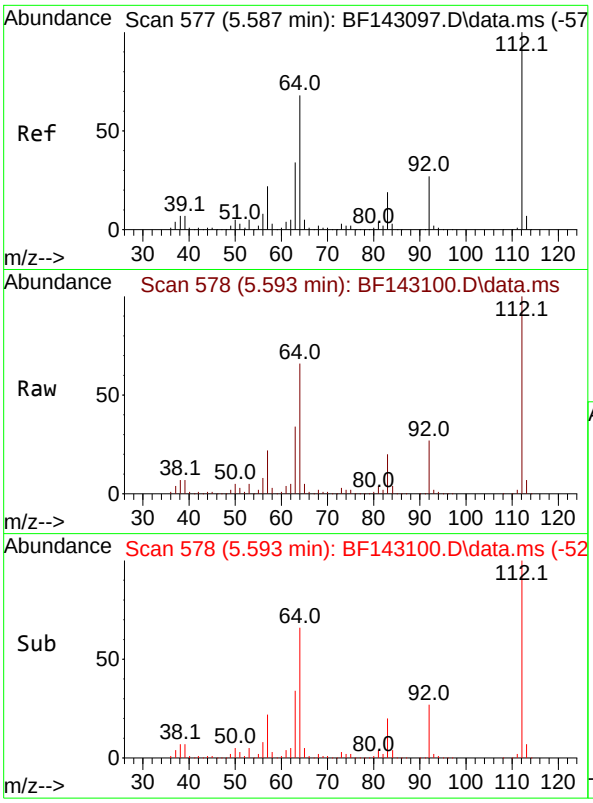


#4
n-Nitrosodimethylamine
Concen: 78.614 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 42 Resp: 421072

Ion	Ratio	Lower	Upper
42	100		
74	115.9	92.8	139.2
44	7.0	5.8	8.6



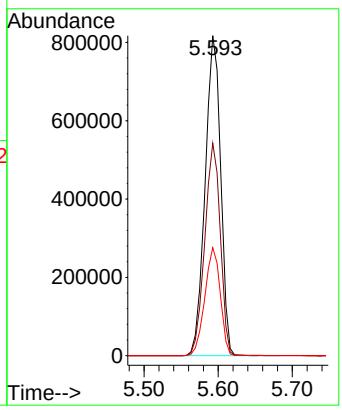


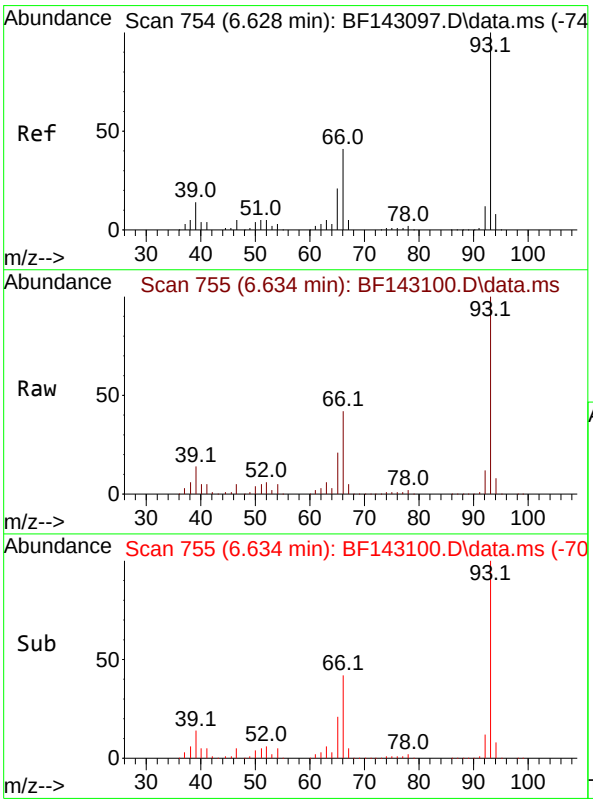
#5
2-Fluorophenol
Concen: 145.077 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1189824

Ion	Ratio	Lower	Upper
112	100		
64	66.4	54.6	82.0
63	33.7	27.3	40.9

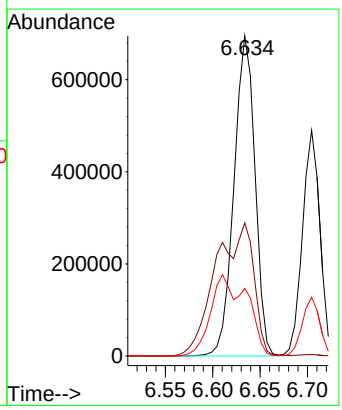


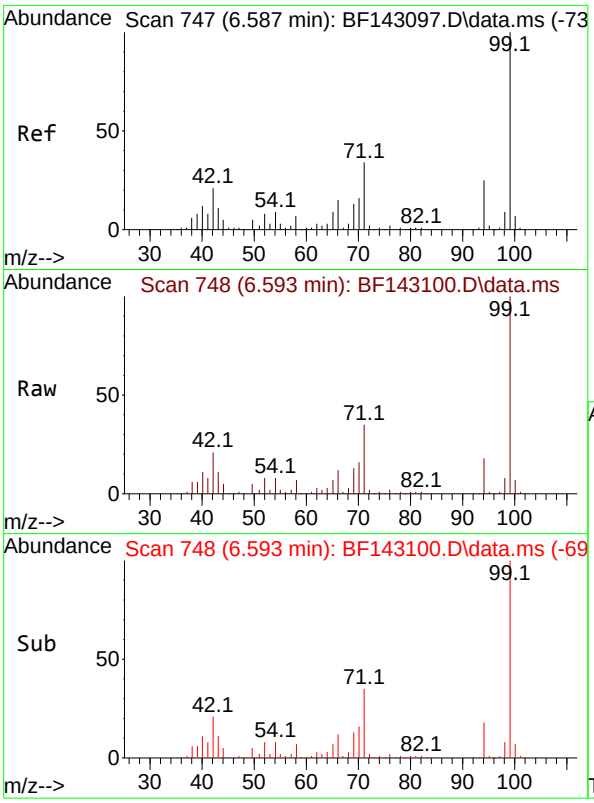


#6
Aniline
Concen: 73.855 ng
RT: 6.634 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 1072162

Ion	Ratio	Lower	Upper
93	100		
66	41.6	33.1	49.7
65	21.1	16.9	25.3



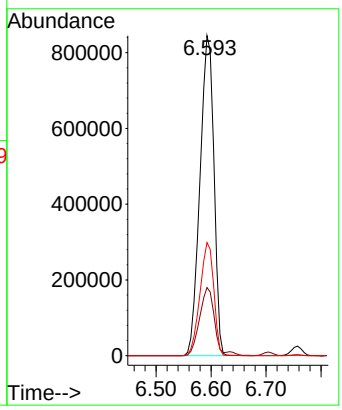


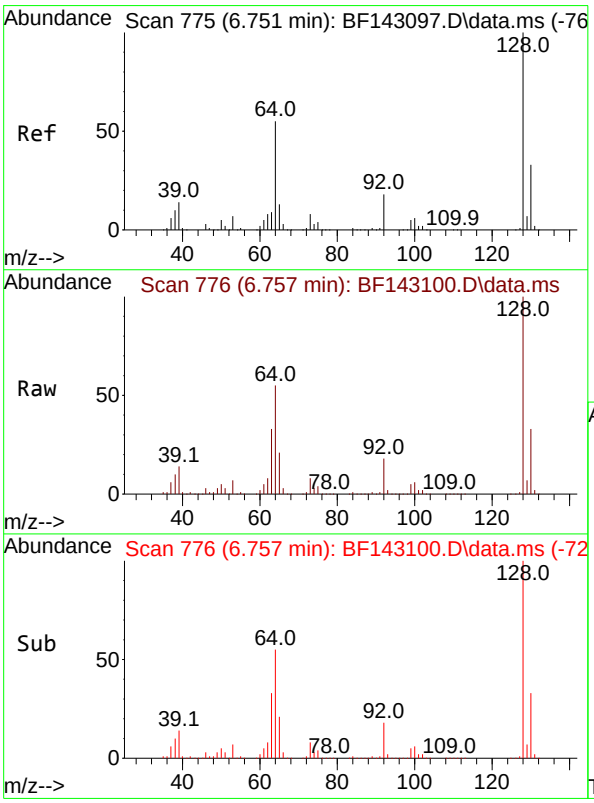
#7
Phenol-d6
Concen: 144.917 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1493965

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	35.4	27.4	41.0

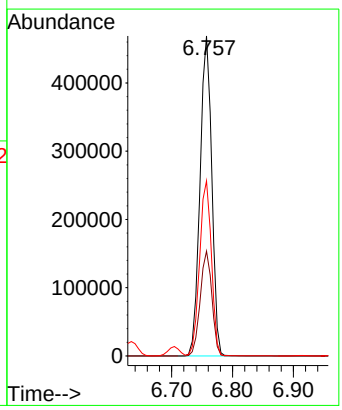


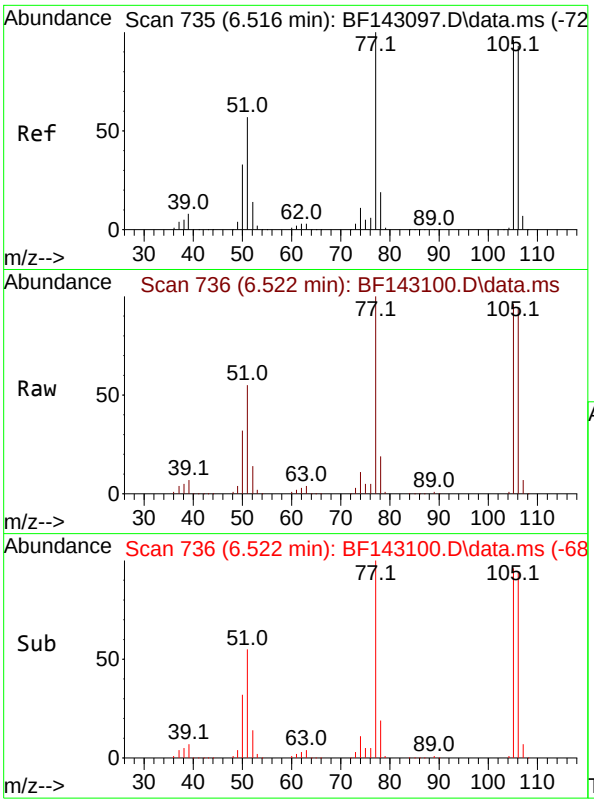


#8
2-Chlorophenol
Concen: 76.249 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:128 Resp: 628294

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.8	52.8
64	54.7	36.1	76.1



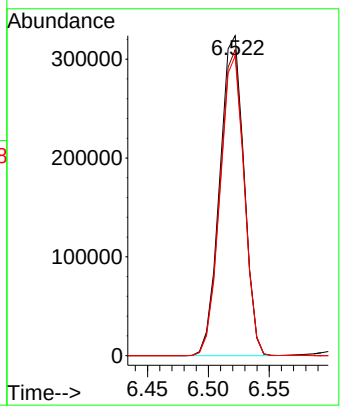


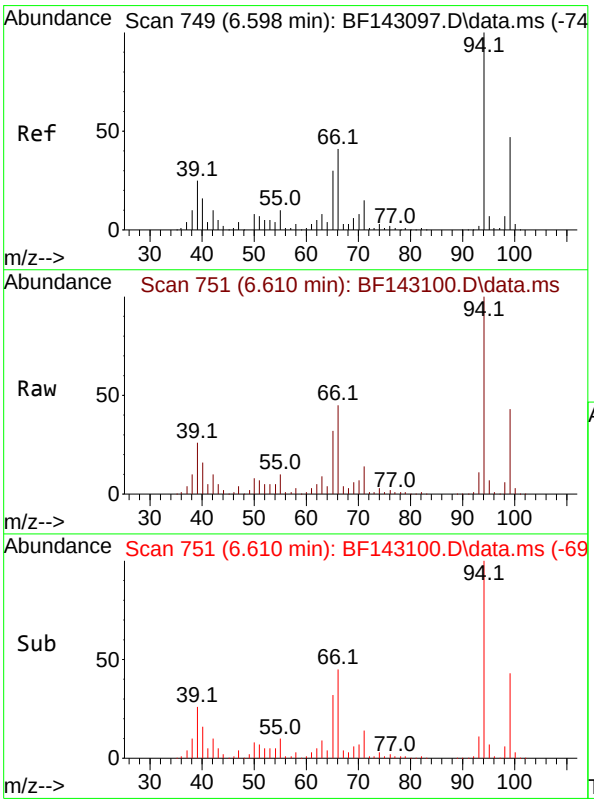
#9
Benzaldehyde
Concen: 57.014 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 447861

Ion	Ratio	Lower	Upper
77	100		
105	95.6	76.3	116.3
106	93.6	72.8	112.8

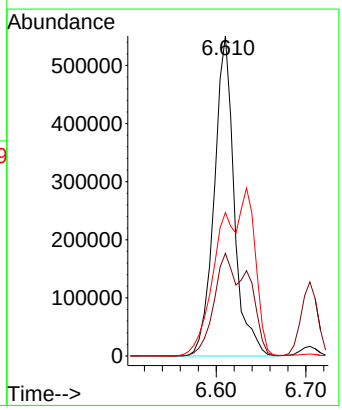


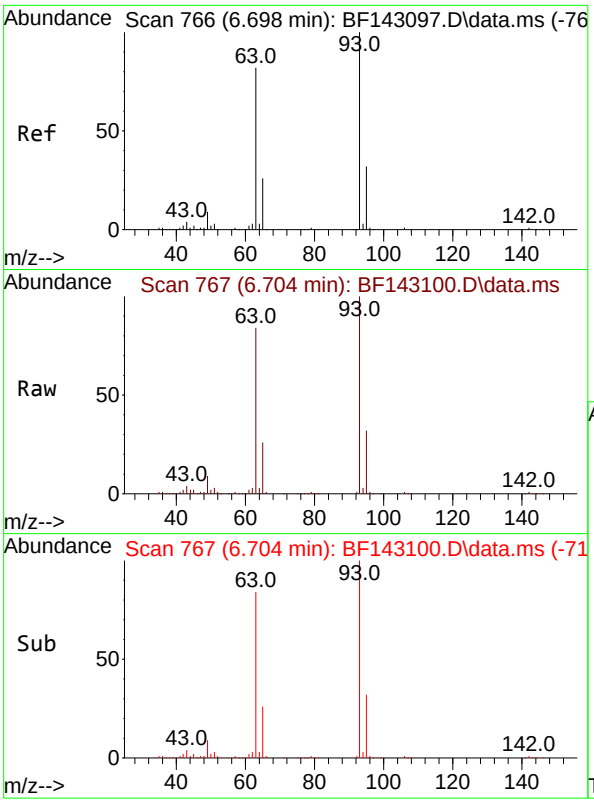


#10
Phenol
Concen: 76.362 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 94 Resp: 852212

Ion	Ratio	Lower	Upper
94	100		
65	32.1	9.8	49.8
66	44.8	20.5	60.5



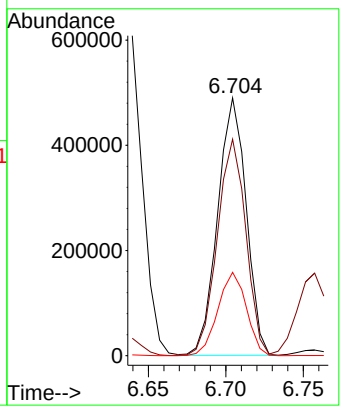


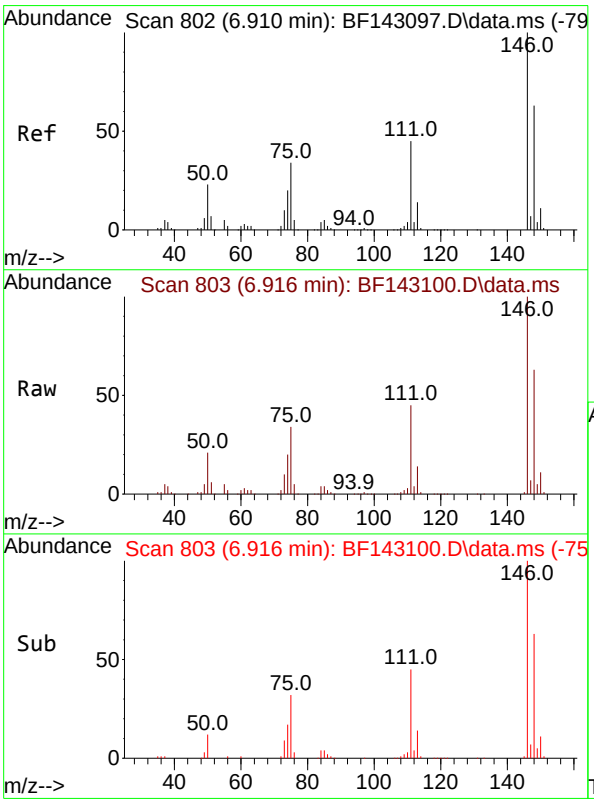
#11
bis(2-Chloroethyl)ether
Concen: 72.551 ng
RT: 6.704 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 626821

Ion	Ratio	Lower	Upper
93	100		
63	84.0	61.9	101.9
95	32.3	12.2	52.2

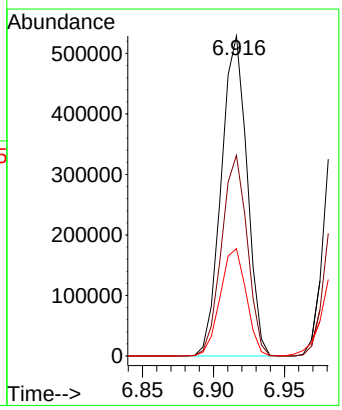


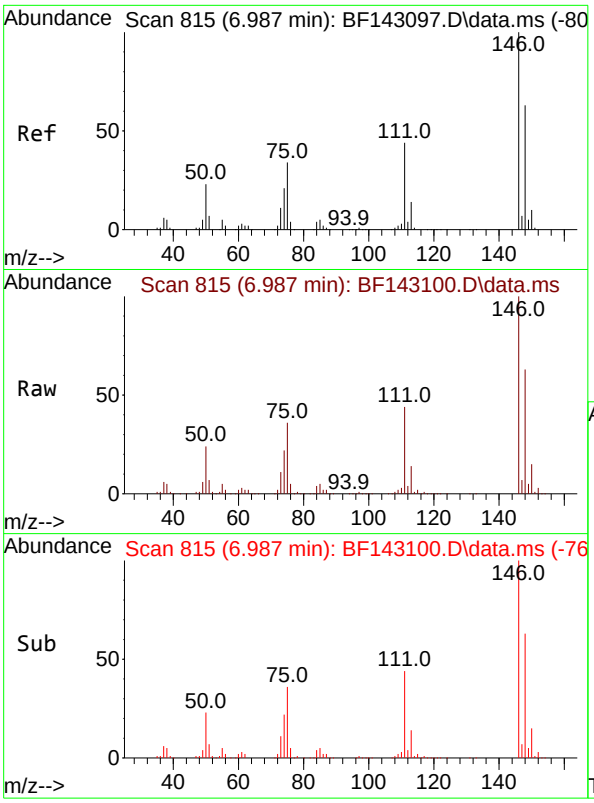


#12
1,3-Dichlorobenzene
Concen: 71.595 ng
RT: 6.916 min Scan# 803
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 666489

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.1	75.1
75	33.5	27.4	41.0



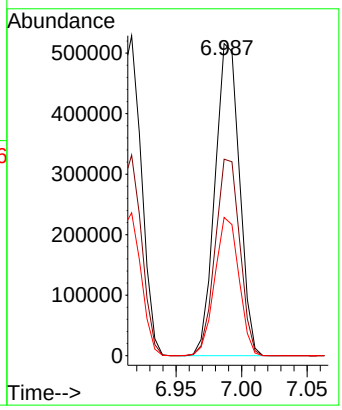


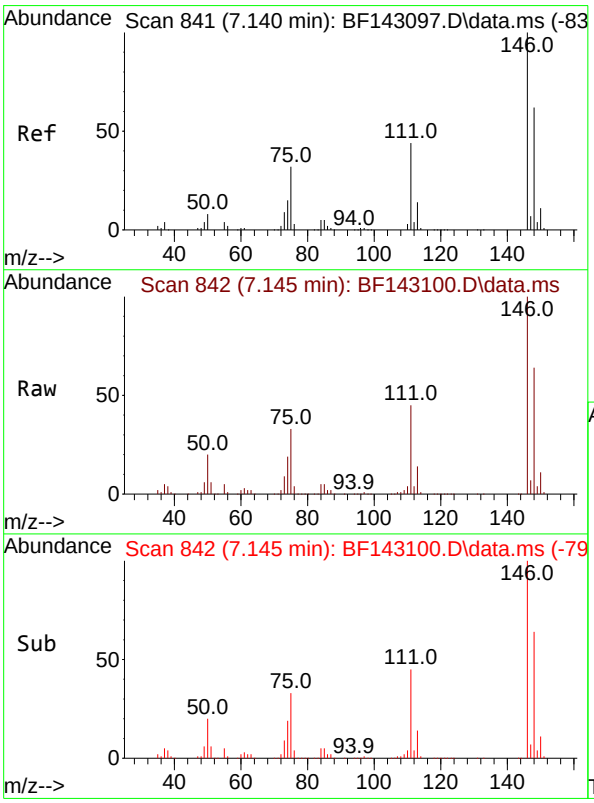
#13
1,4-Dichlorobenzene
Concen: 71.496 ng
RT: 6.987 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 669586

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	76.0
111	44.3	35.0	52.6

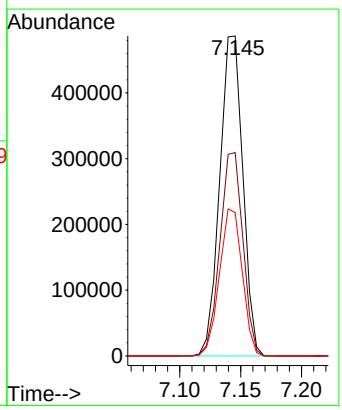


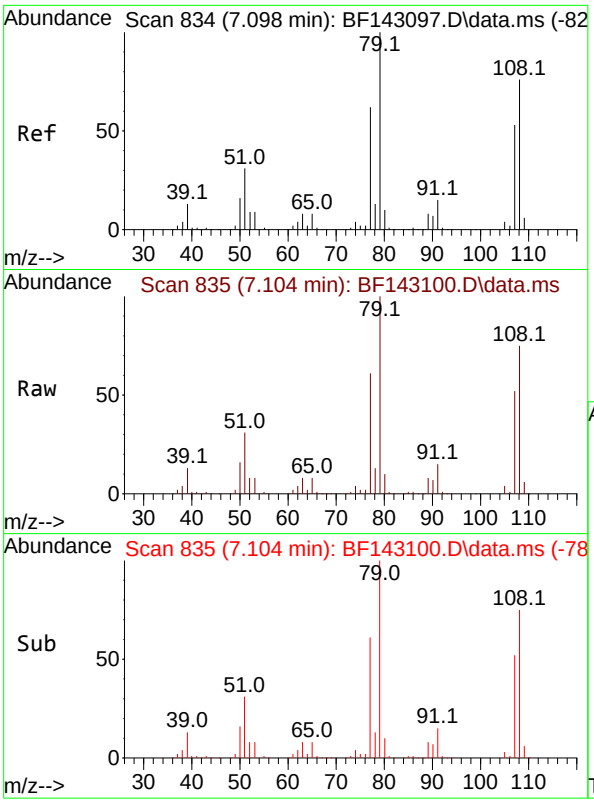


#14
1,2-Dichlorobenzene
Concen: 72.014 ng
RT: 7.145 min Scan# 842
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:146 Resp: 643168

Ion	Ratio	Lower	Upper
146	100		
148	63.6	49.8	74.6
111	44.8	35.4	53.0



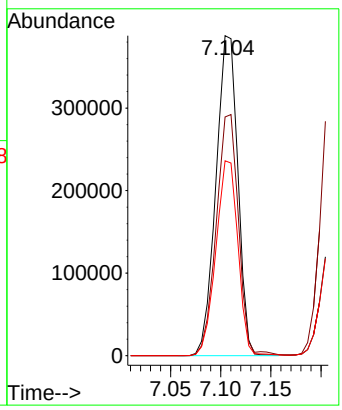


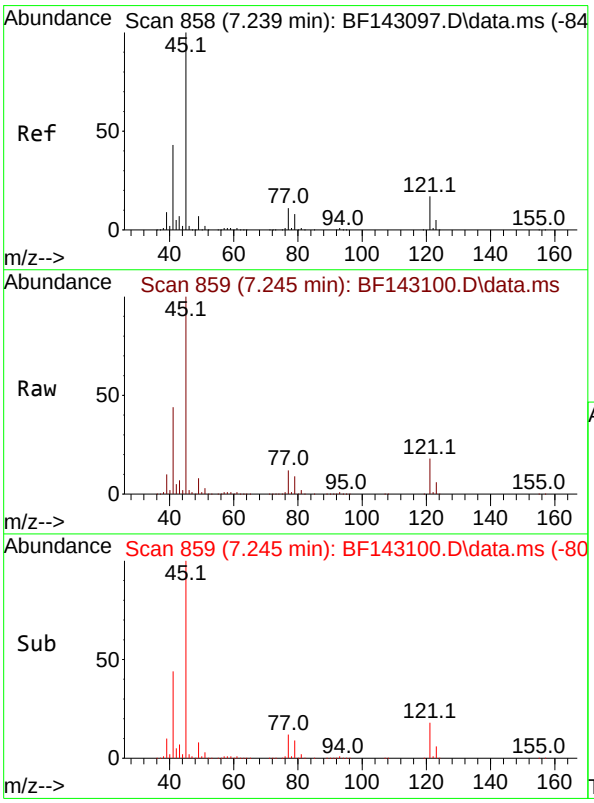
#15
Benzyl Alcohol
Concen: 76.840 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 586953

Ion	Ratio	Lower	Upper
79	100		
108	74.6	61.1	91.7
77	60.9	49.9	74.9

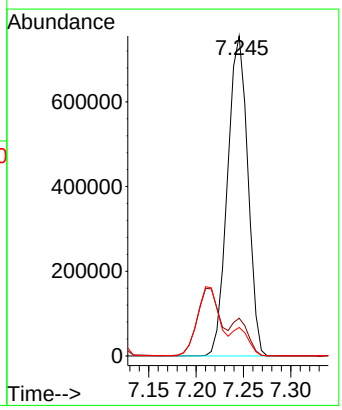


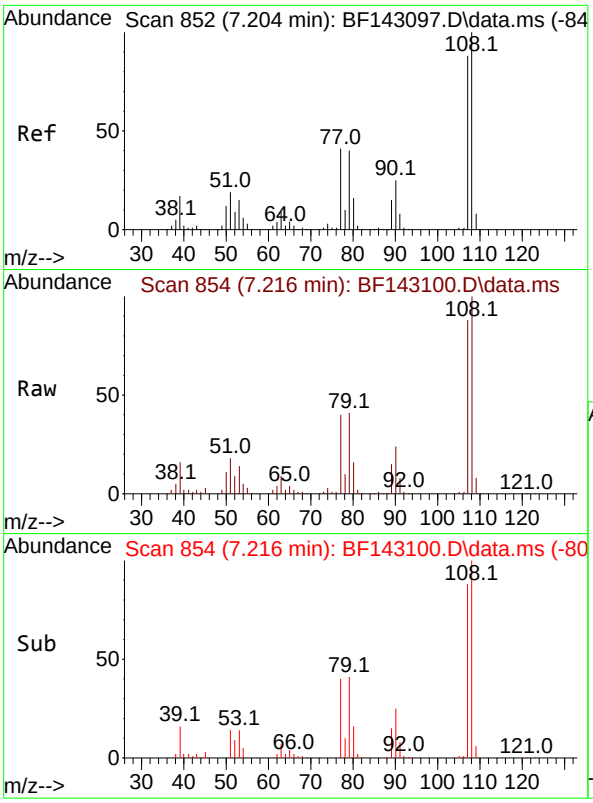


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.661 ng
RT: 7.245 min Scan# 859
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 45 Resp: 1125357

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.1
79	8.9	0.0	28.4



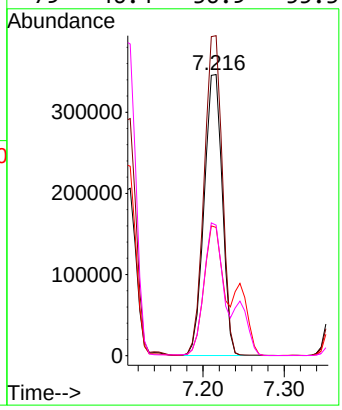


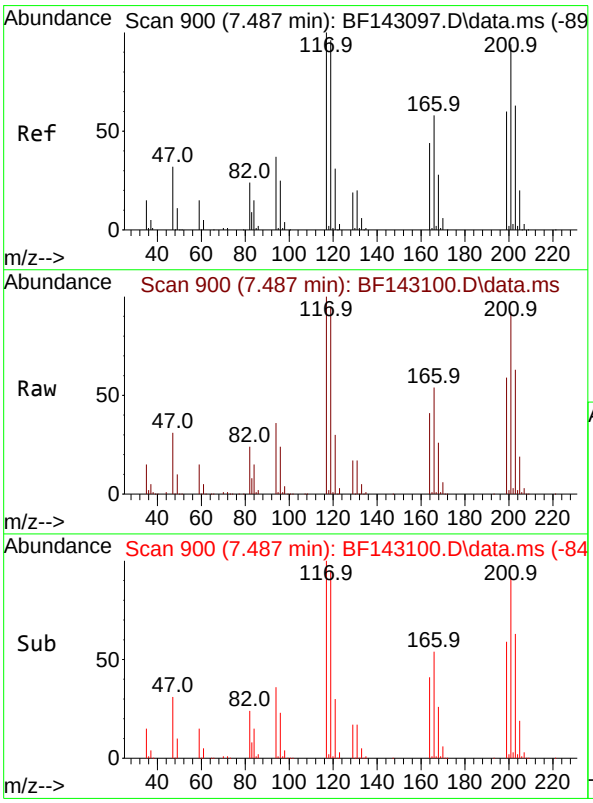
#17
2-Methylphenol
Concen: 75.438 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 536428

Ion	Ratio	Lower	Upper
107	100		
108	113.8	90.9	136.3
77	45.6	37.5	56.3
79	46.4	36.9	55.3

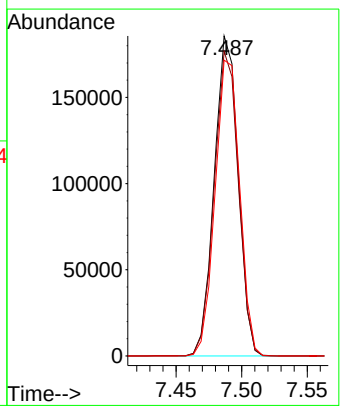


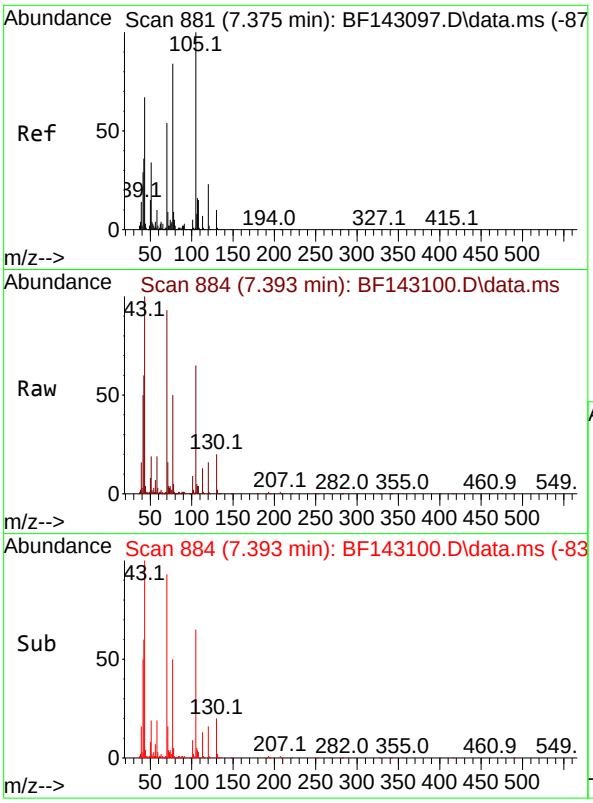


#18
Hexachloroethane
Concen: 77.313 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:117 Resp: 235713

Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.7	115.1
201	92.5	75.0	112.4



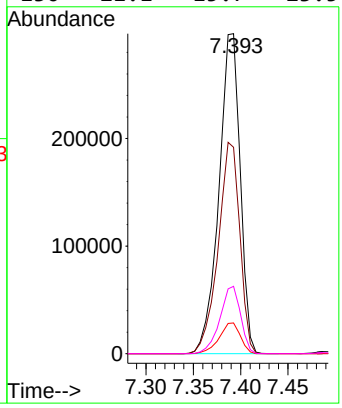


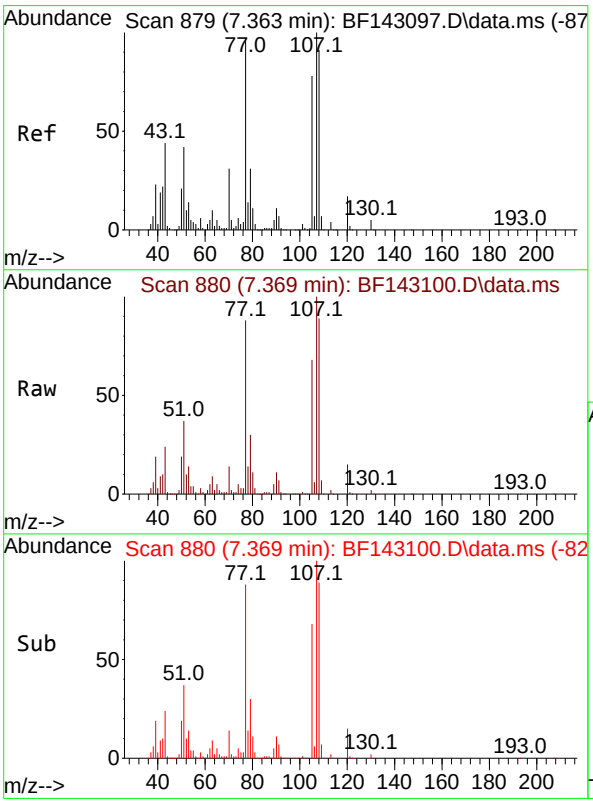
#19
n-Nitroso-di-n-propylamine
Concen: 73.578 ng
RT: 7.393 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 464705

Ion	Ratio	Lower	Upper
70	100		
42	64.5	53.2	79.8
101	9.6	7.5	11.3
130	21.1	15.7	23.5

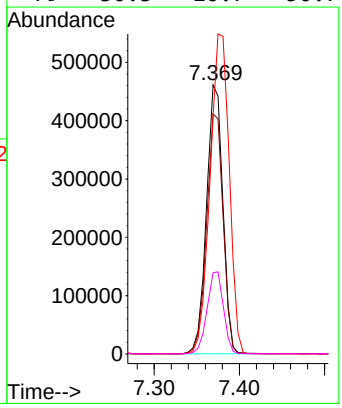


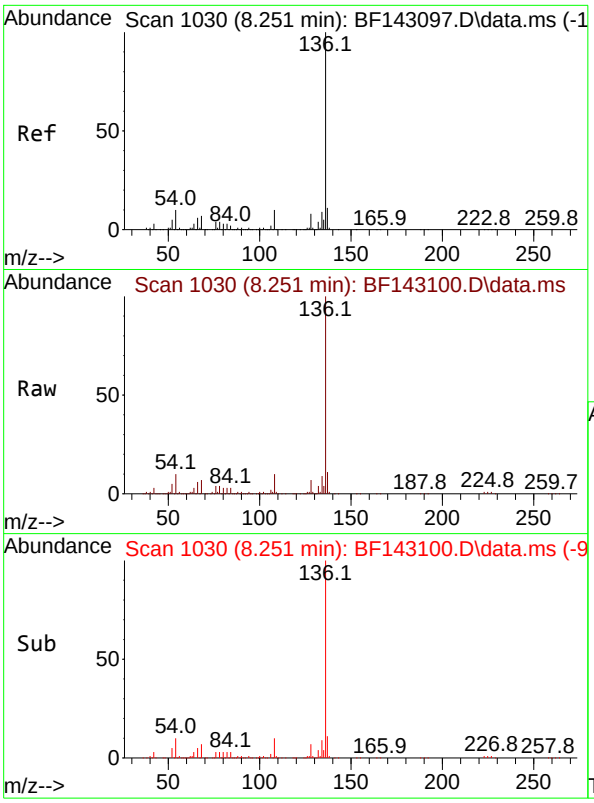


#20
3+4-Methylphenols
Concen: 70.670 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 616275

Ion	Ratio	Lower	Upper
107	100		
108	89.3	71.3	111.3
77	88.3	77.2	117.2
79	30.3	10.7	50.7



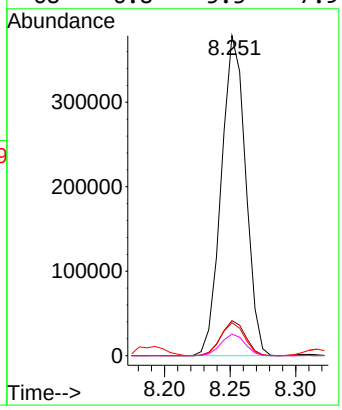


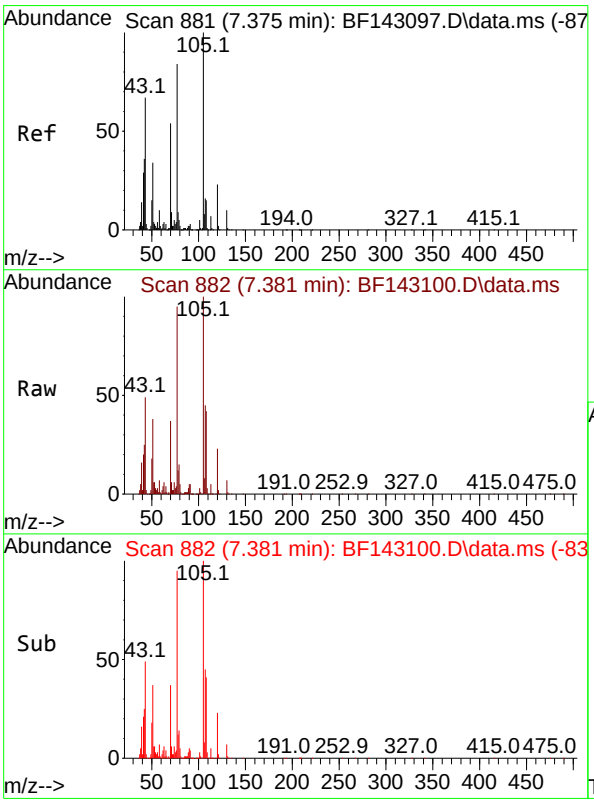
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 487361

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.3	8.3	12.5
68	6.8	5.3	7.9

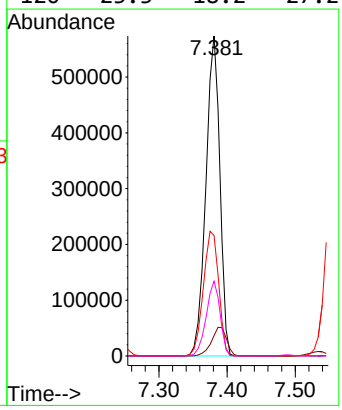


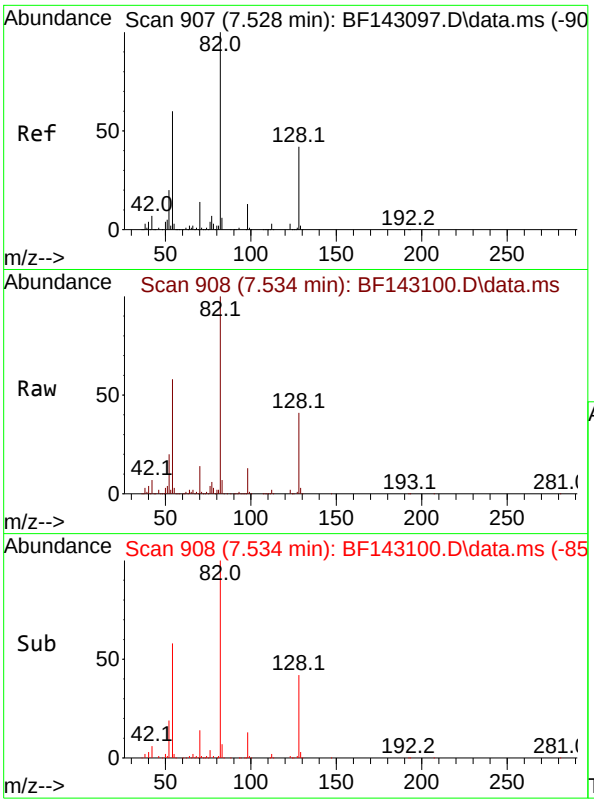


#22
Acetophenone
Concen: 69.563 ng
RT: 7.381 min Scan# 882
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:105 Resp: 817243

Ion	Ratio	Lower	Upper
105	100		
71	6.4	7.2	10.8#
51	37.7	27.0	40.4
120	23.3	18.2	27.2



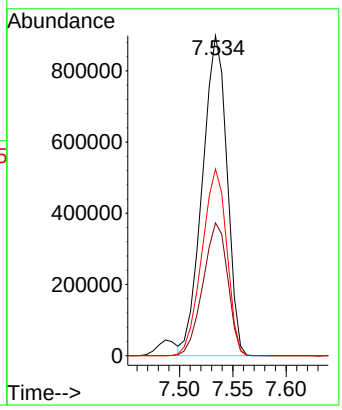


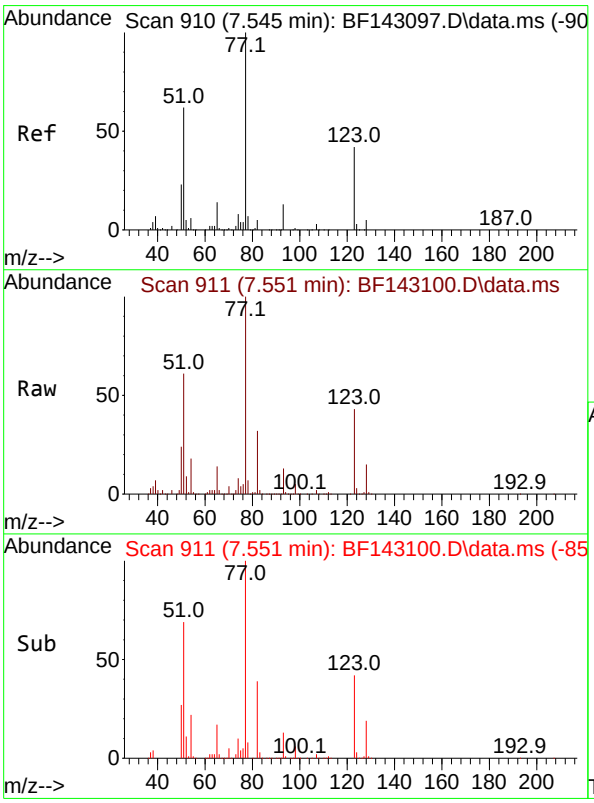
#23
Nitrobenzene-d5
Concen: 165.933 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1441614

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.3	49.9
54	58.4	47.4	71.2

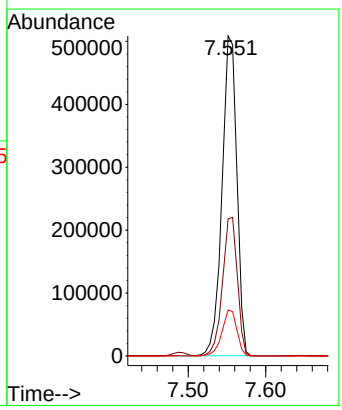


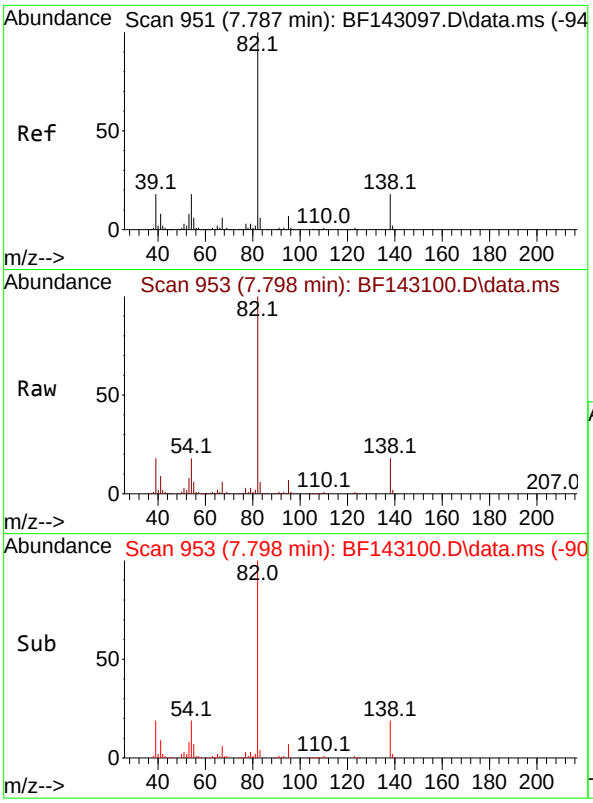


#24
Nitrobenzene
Concen: 80.671 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 77 Resp: 676569

Ion	Ratio	Lower	Upper
77	100		
123	42.8	34.5	51.7
65	14.3	11.3	16.9



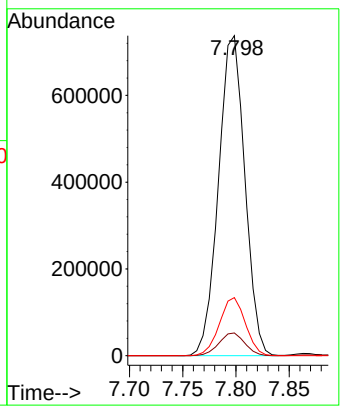


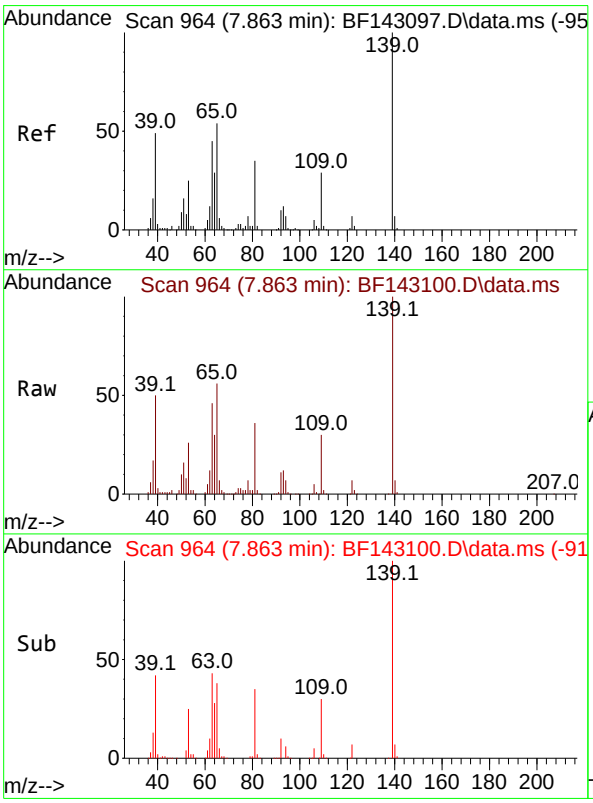
#25
Isophorone
Concen: 75.573 ng
RT: 7.798 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1269015

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.2	14.3	21.5

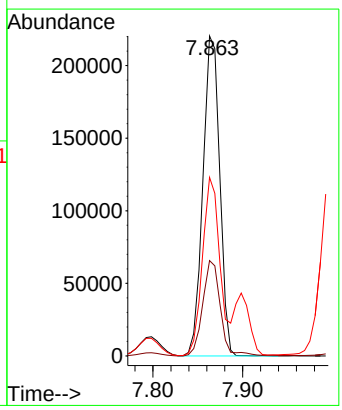


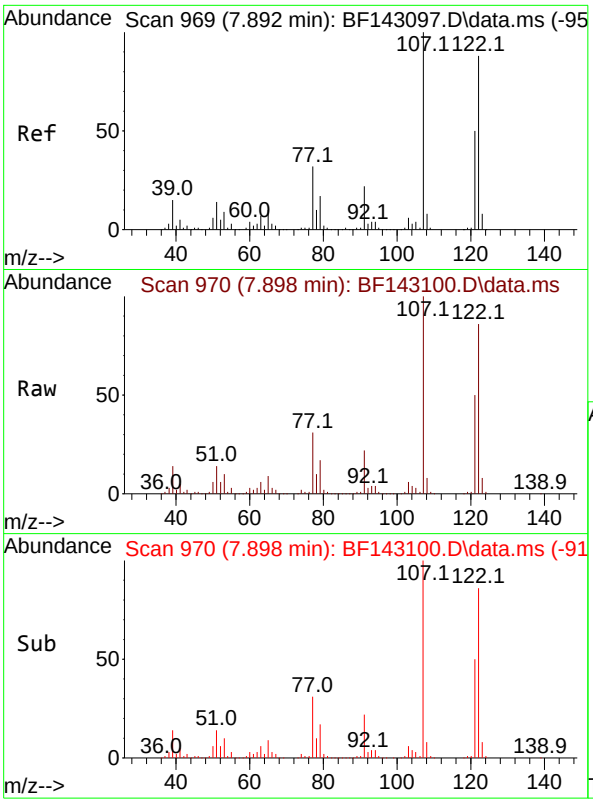


#26
2-Nitrophenol
Concen: 82.598 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 287169

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.4	35.0
65	55.8	43.4	65.2



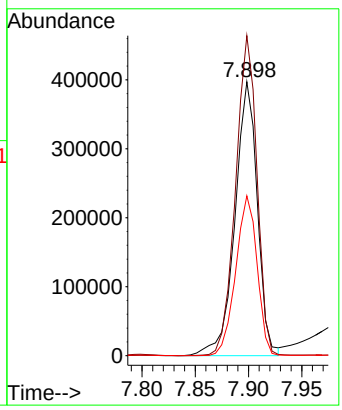


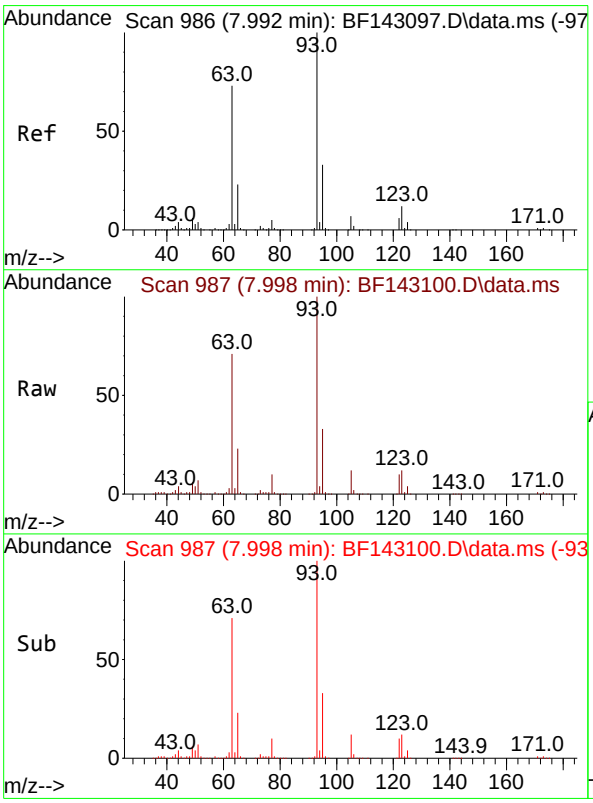
#27
2,4-Dimethylphenol
Concen: 74.683 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 582059

Ion	Ratio	Lower	Upper
122	100		
107	116.8	91.3	136.9
121	58.4	45.5	68.3

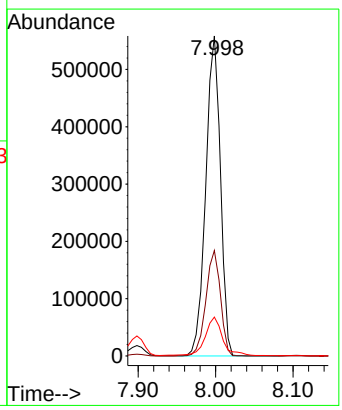


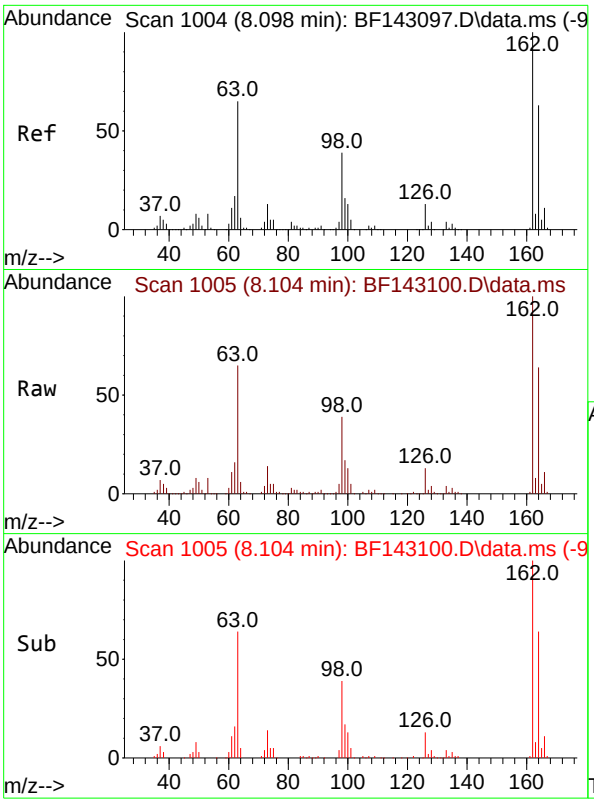


#28
bis(2-Chloroethoxy)methane
Concen: 71.885 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 93 Resp: 731977

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	12.1	9.6	14.4



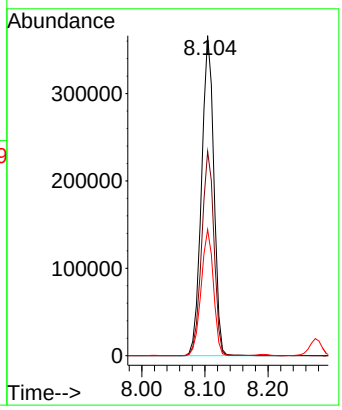


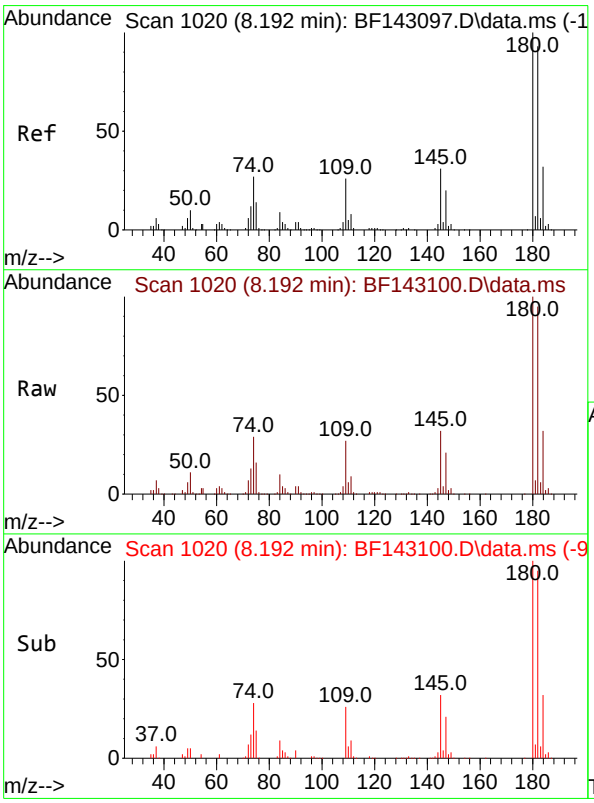
#29
2,4-Dichlorophenol
Concen: 77.795 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 496027

Ion	Ratio	Lower	Upper
162	100		
164	63.9	43.1	83.1
98	39.4	19.2	59.2

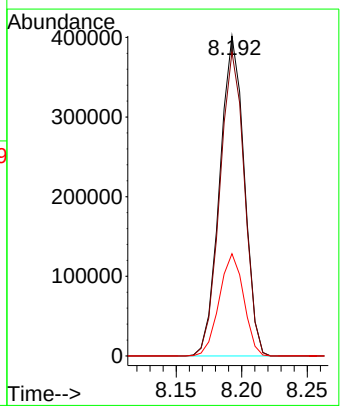


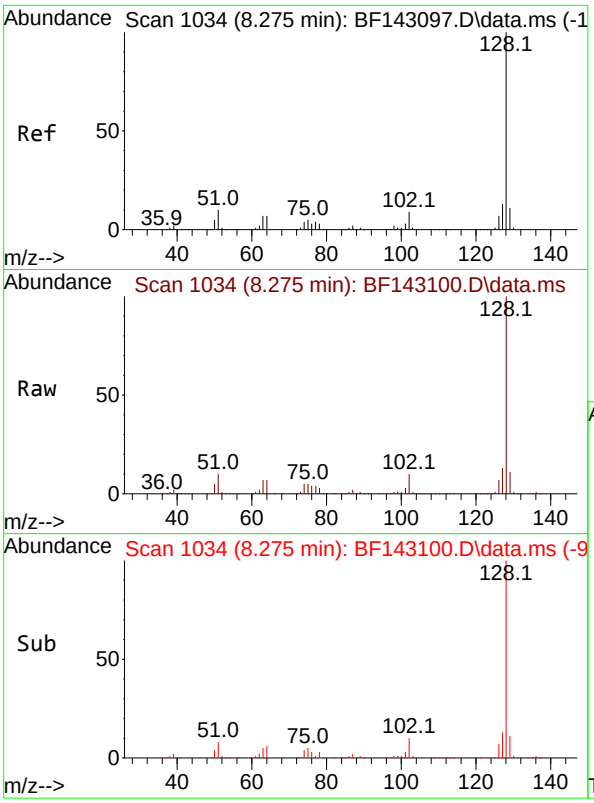


#30
1,2,4-Trichlorobenzene
Concen: 71.974 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:180 Resp: 520808

Ion	Ratio	Lower	Upper
180	100		
182	95.0	74.7	112.1
145	32.0	24.5	36.7



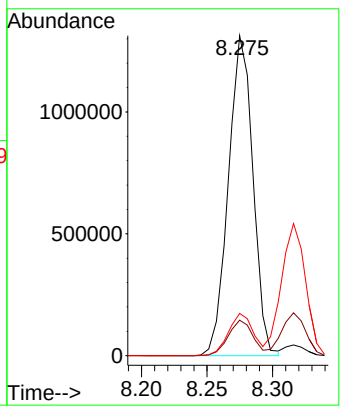


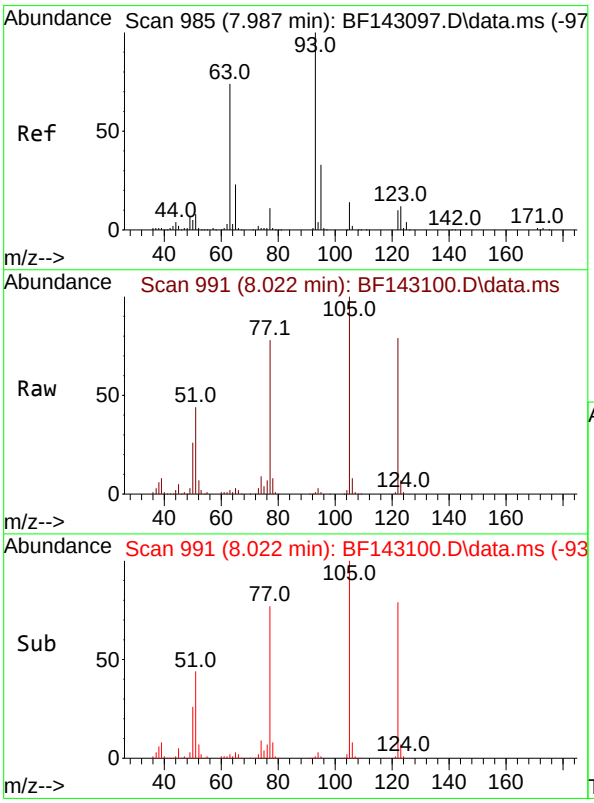
#31
Naphthalene
Concen: 70.704 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1711163

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.5	15.7

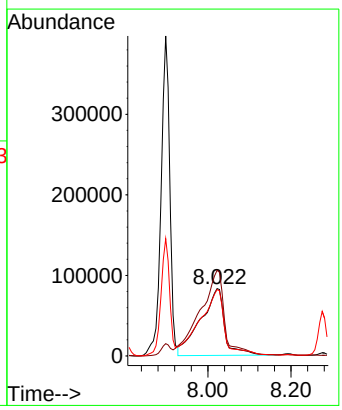


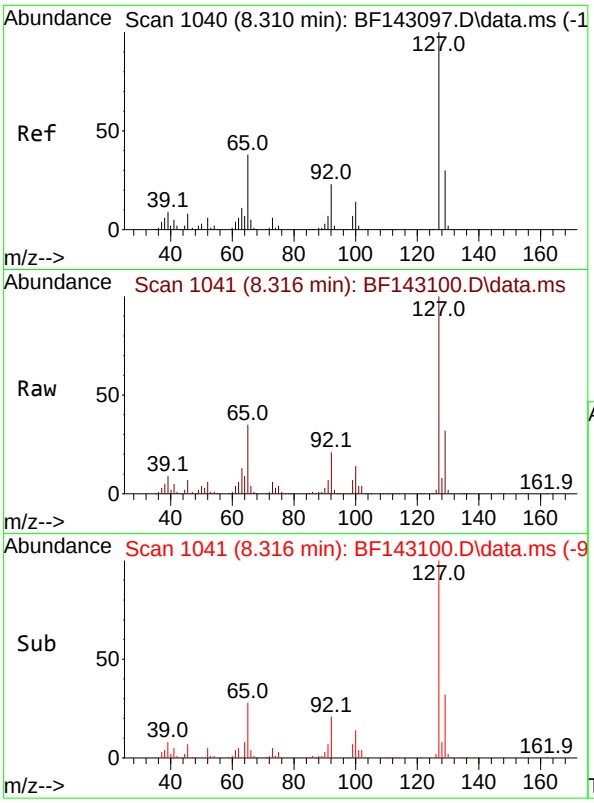


#32
Benzoic acid
Concen: 81.374 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.035 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:122 Resp: 336178

Ion	Ratio	Lower	Upper
122	100		
105	127.0	105.4	145.4
77	98.6	78.6	118.6



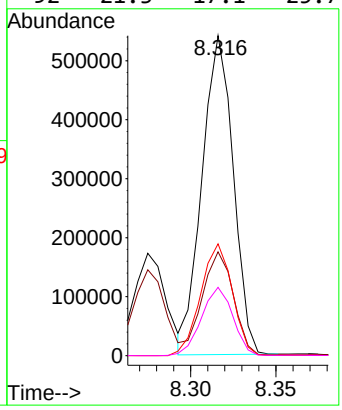


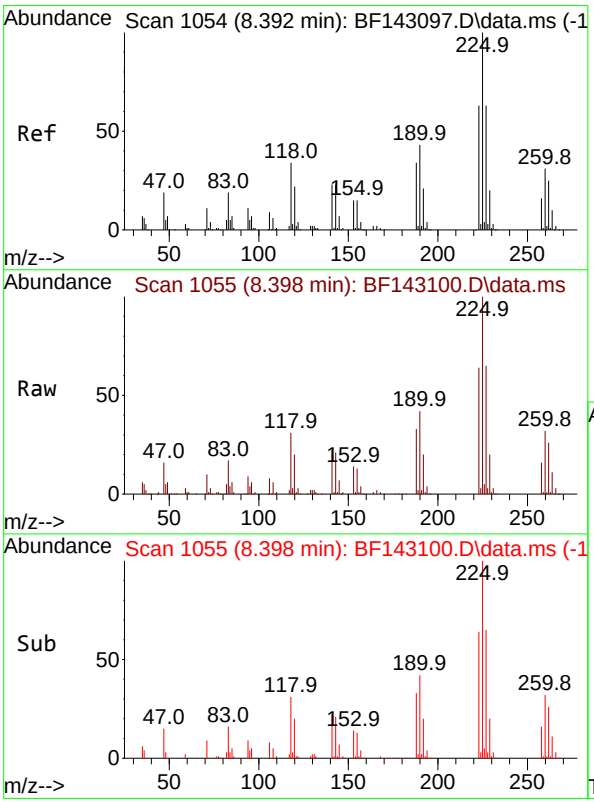
#33
4-Chloroaniline
Concen: 70.795 ng
RT: 8.316 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 688999

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	35.0	28.6	42.8
92	21.3	17.1	25.7

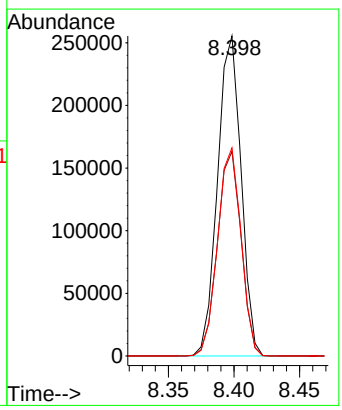


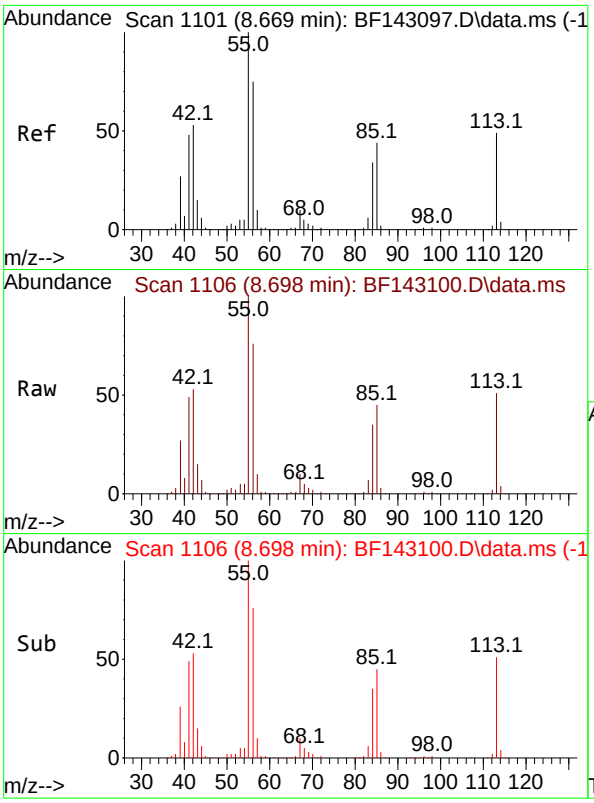


#34
Hexachlorobutadiene
Concen: 73.546 ng
RT: 8.398 min Scan# 1055
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:225 Resp: 318274

Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.3	75.5
227	65.0	50.1	75.1



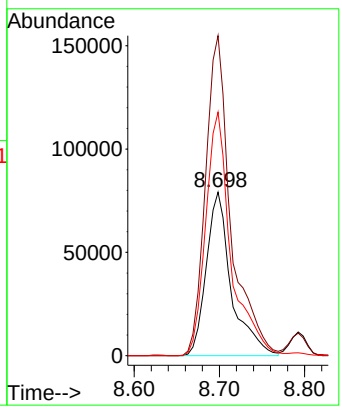


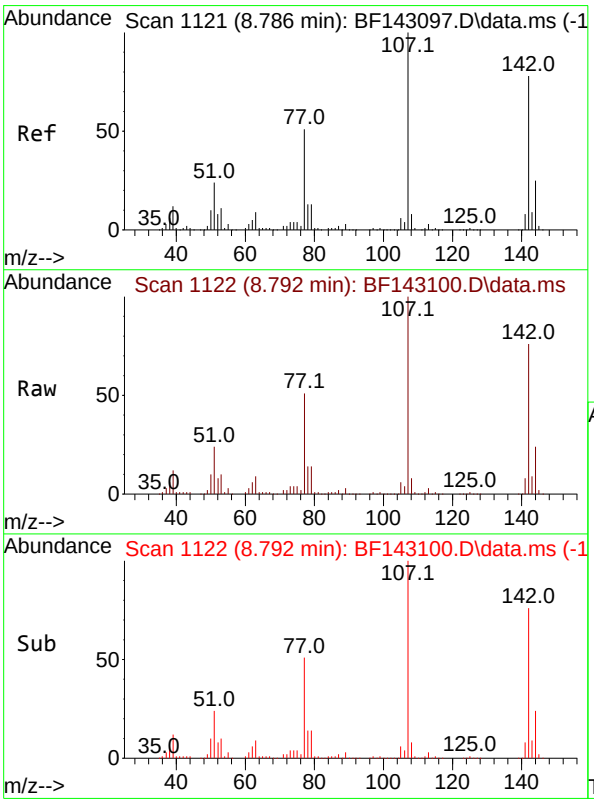
#35
Caprolactam
Concen: 81.097 ng
RT: 8.698 min Scan# 11
Delta R.T. 0.030 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 161466

Ion	Ratio	Lower	Upper
113	100		
55	195.6	186.2	226.2
56	148.8	134.1	174.1

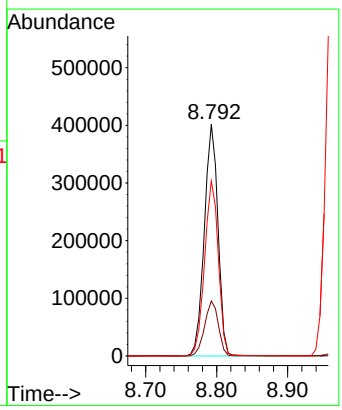


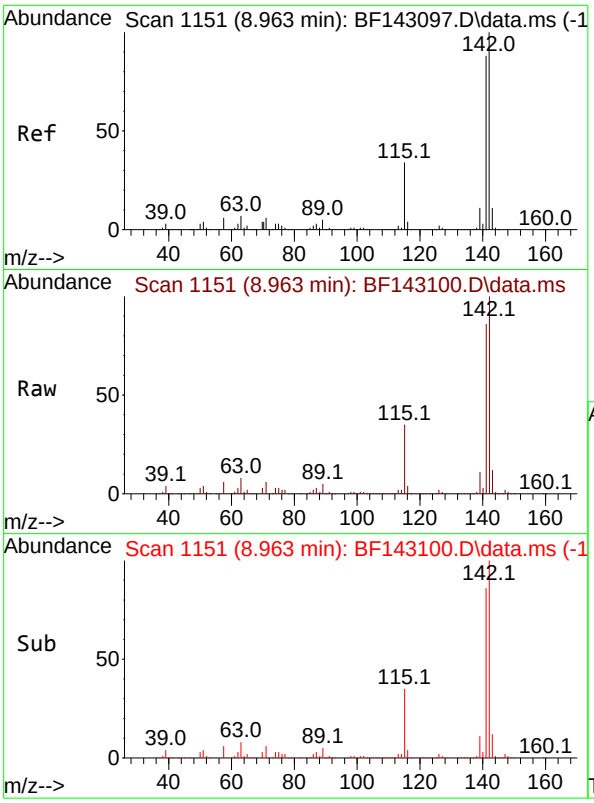


#36
4-Chloro-3-methylphenol
Concen: 75.937 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:107 Resp: 539340

Ion	Ratio	Lower	Upper
107	100		
144	23.8	20.2	30.2
142	75.5	62.4	93.6



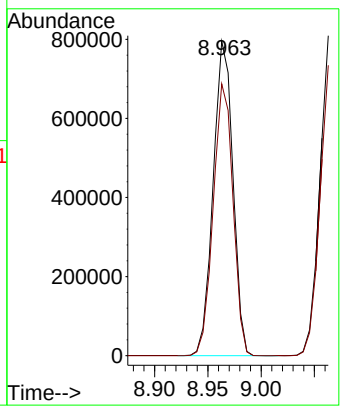


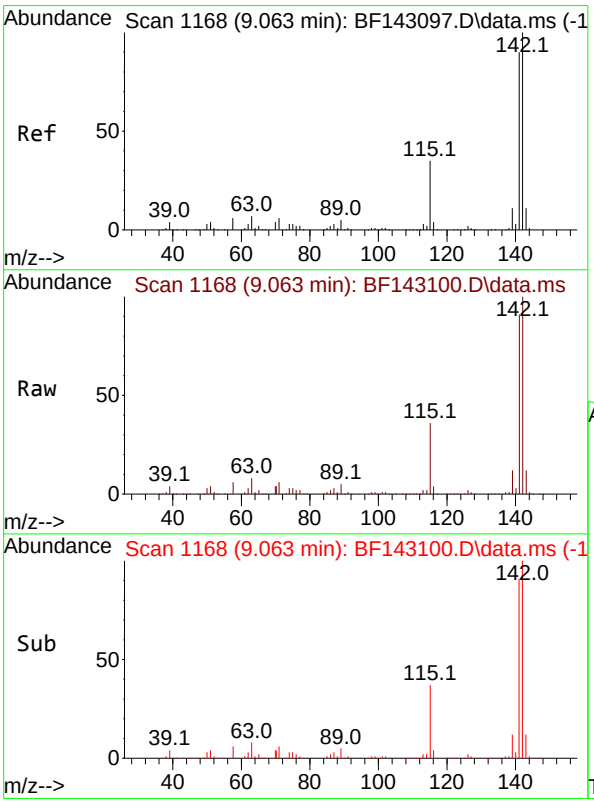
#37
2-Methylnaphthalene
Concen: 70.738 ng
RT: 8.963 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1021312

Ion	Ratio	Lower	Upper
142	100		
141	86.4	70.2	105.2

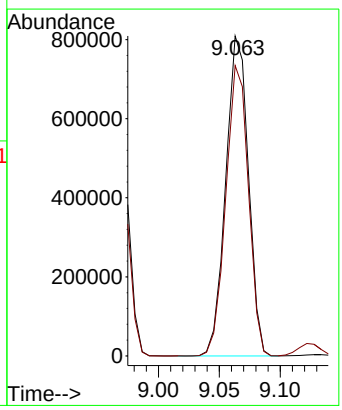


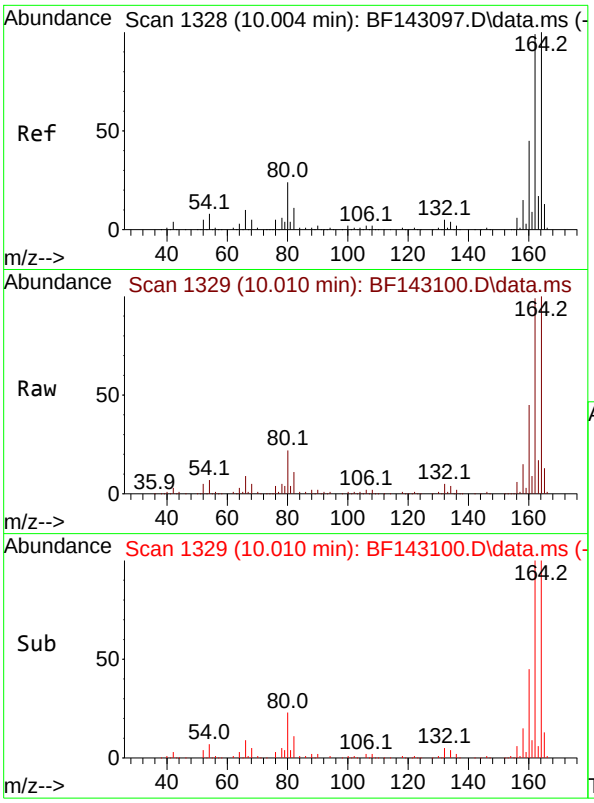


#38
1-Methylnaphthalene
Concen: 69.955 ng
RT: 9.063 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:142 Resp: 1047560

Ion	Ratio	Lower	Upper
142	100		
141	90.7	72.2	108.4



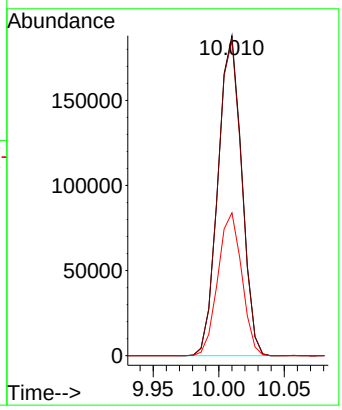


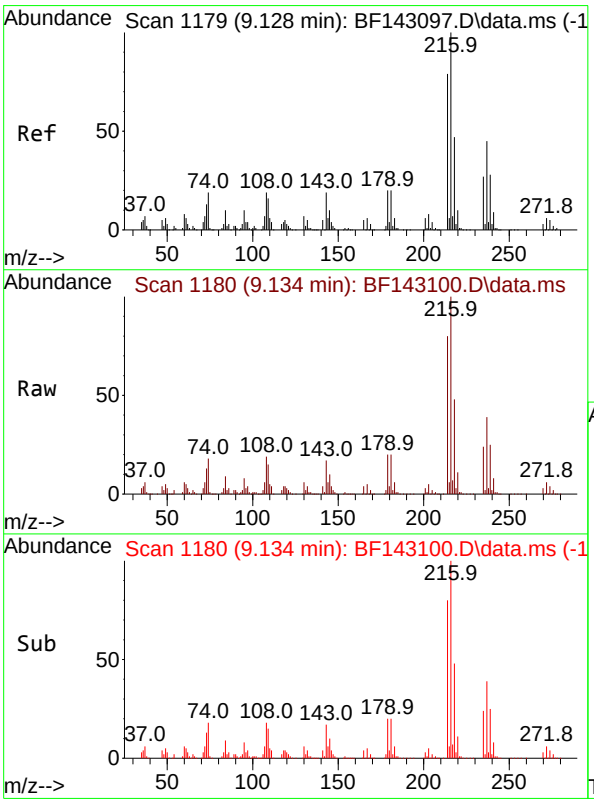
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 236260

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.6
160	44.7	35.8	53.6

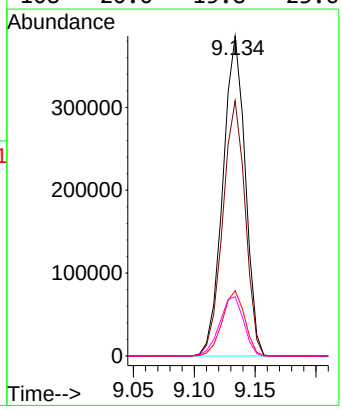


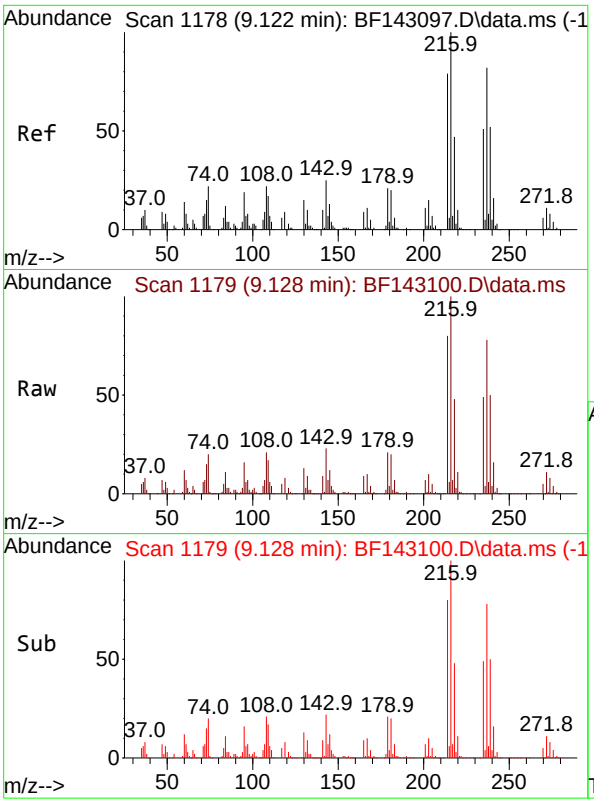


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.639 ng
RT: 9.134 min Scan# 1180
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:216 Resp: 493246

Ion	Ratio	Lower	Upper
216	100		
214	79.8	62.6	94.0
179	20.5	16.2	24.2
108	20.0	15.8	23.6



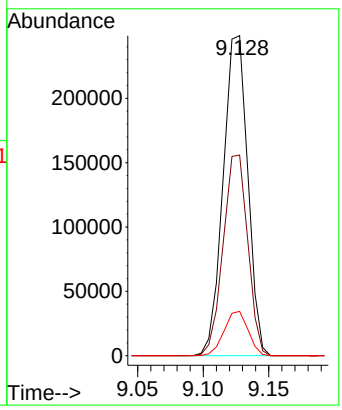


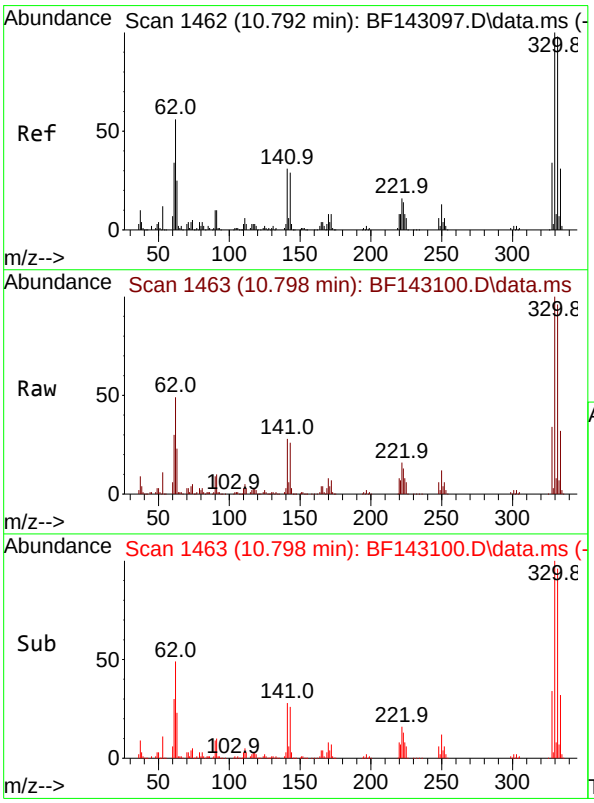
#41
Hexachlorocyclopentadiene
Concen: 85.103 ng
RT: 9.128 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 324865

Ion	Ratio	Lower	Upper
237	100		
235	62.7	41.6	81.6
272	13.8	0.0	32.9

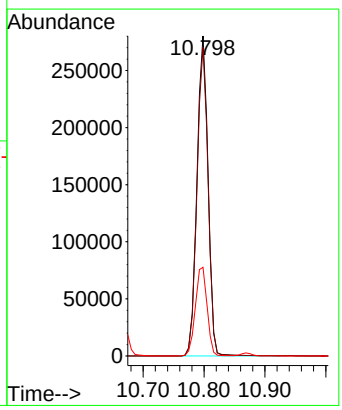


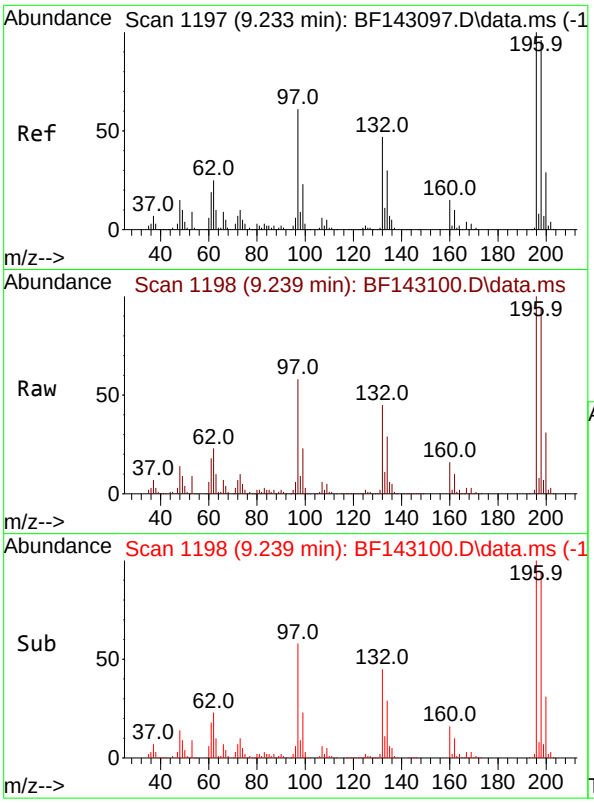


#42
2,4,6-Tribromophenol
Concen: 168.911 ng
RT: 10.798 min Scan# 1463
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:330 Resp: 355830

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.9	116.9
141	29.2	25.9	38.9



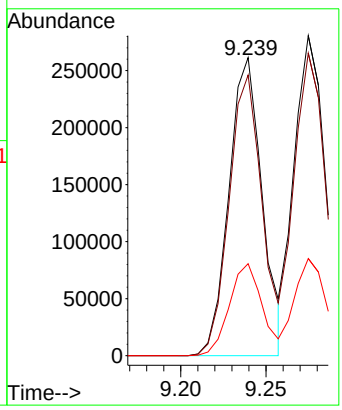


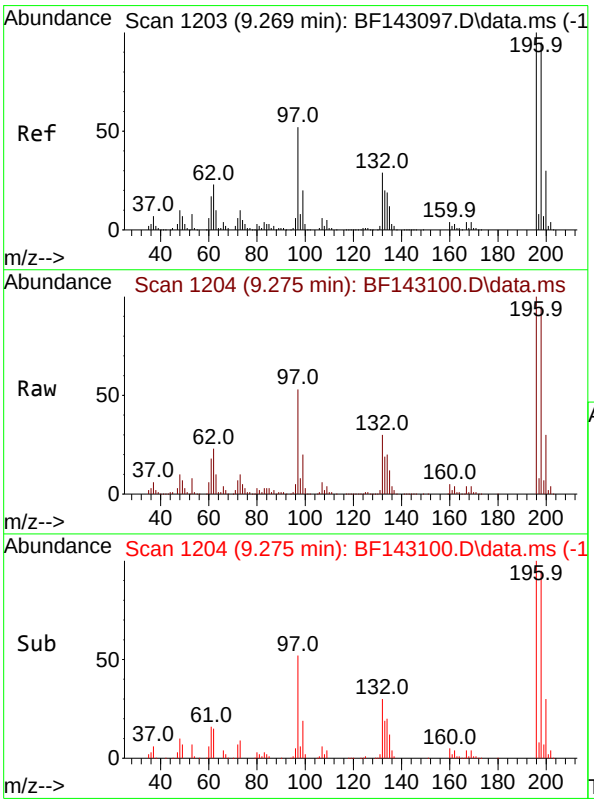
#43
2,4,6-Trichlorophenol
Concen: 83.176 ng
RT: 9.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 355839

Ion	Ratio	Lower	Upper
196	100		
198	94.1	76.9	115.3
200	30.9	23.5	35.3

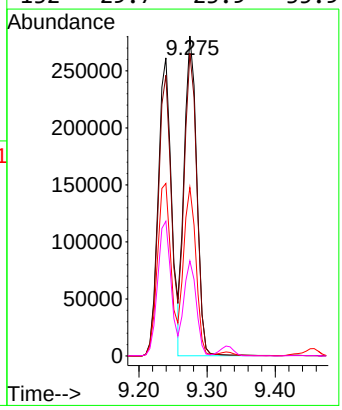


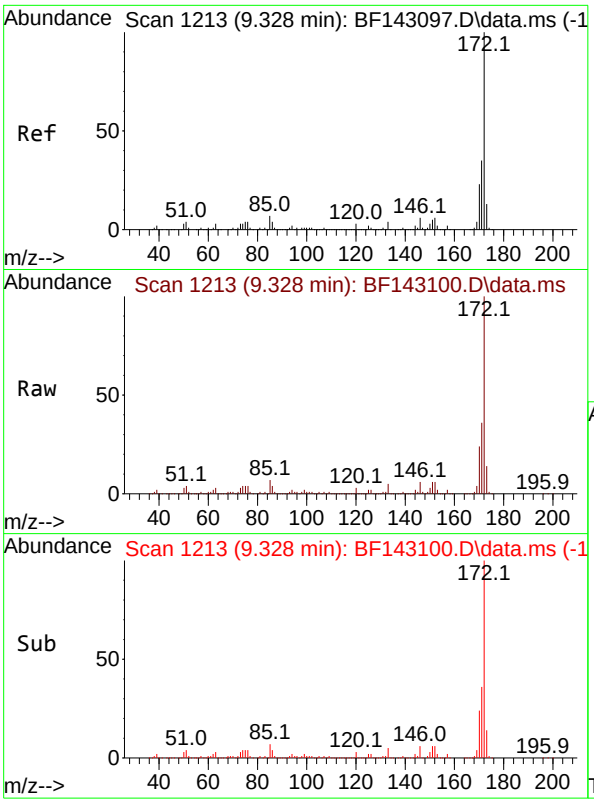


#44
2,4,5-Trichlorophenol
Concen: 79.651 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:196 Resp: 357298

Ion	Ratio	Lower	Upper
196	100		
198	94.5	76.4	114.6
97	52.7	42.4	63.6
132	29.7	23.9	35.9



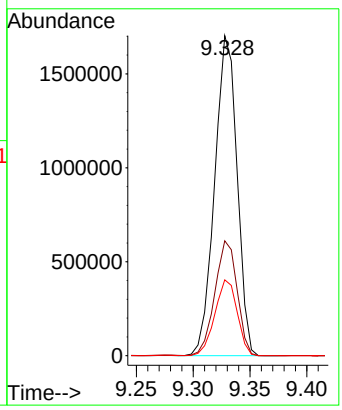


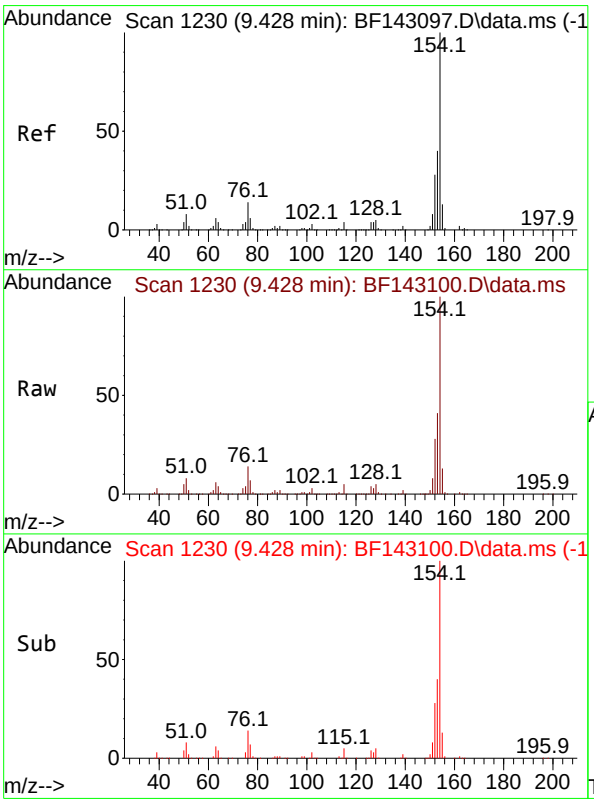
#45
2-Fluorobiphenyl
Concen: 131.609 ng
RT: 9.328 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2339151

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.2	42.4
170	23.7	18.6	28.0

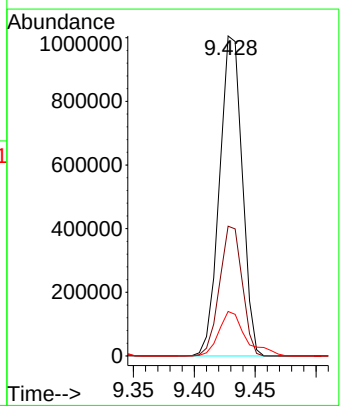


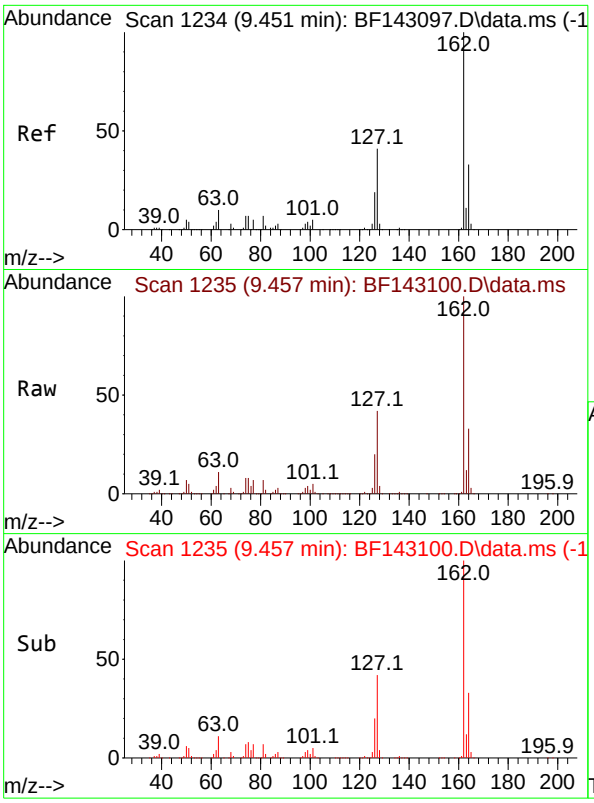


#46
1,1'-Biphenyl
Concen: 69.419 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 1307947

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.1	60.1
76	13.9	0.0	33.7



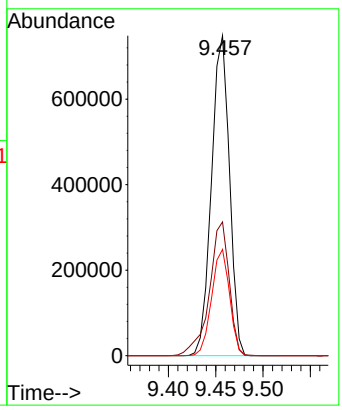


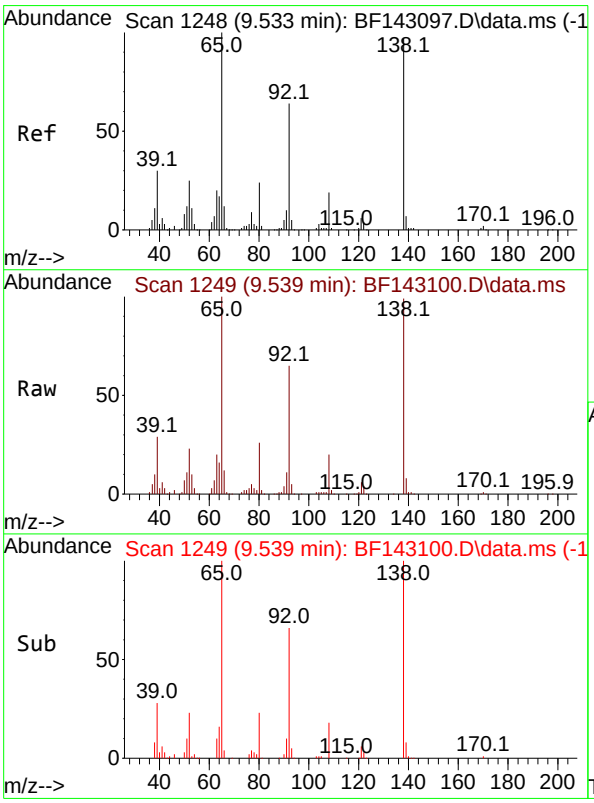
#47
2-Chloronaphthalene
Concen: 71.557 ng
RT: 9.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 990436

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.0	49.6
164	33.2	26.1	39.1

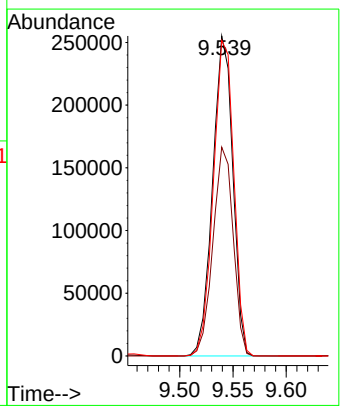


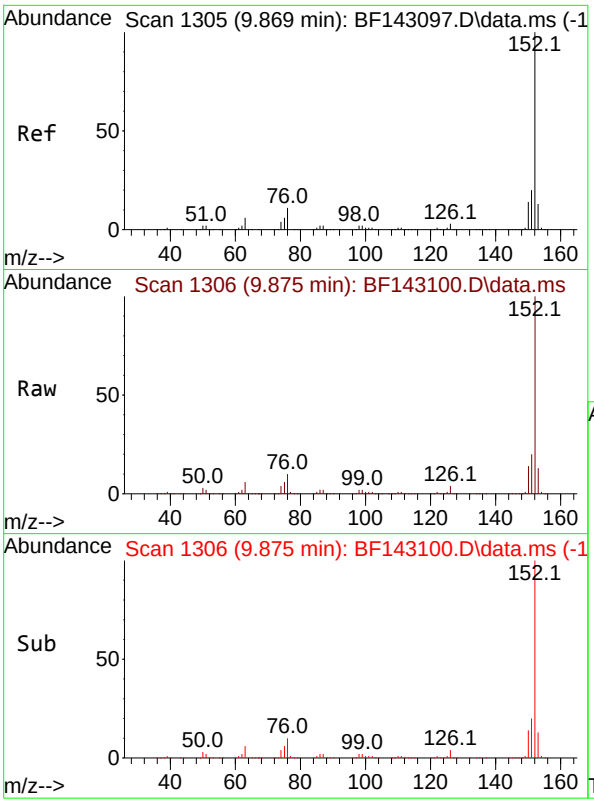


#48
2-Nitroaniline
Concen: 79.074 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion: 65 Resp: 335875

Ion	Ratio	Lower	Upper
65	100		
92	65.2	51.3	76.9
138	98.6	77.8	116.6



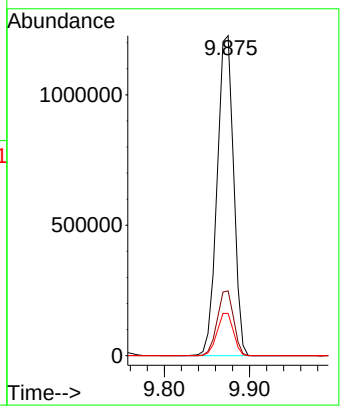


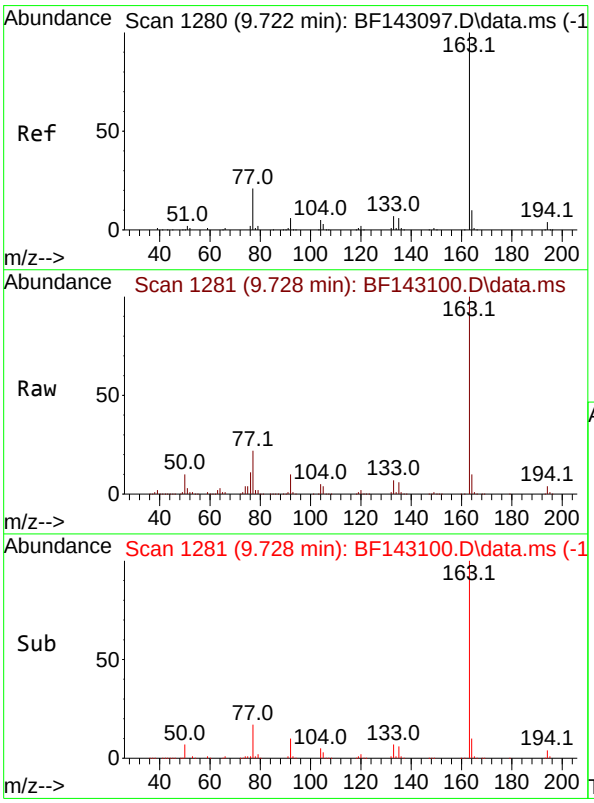
#49
Acenaphthylene
Concen: 71.544 ng
RT: 9.875 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1650097

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.2	10.4	15.6

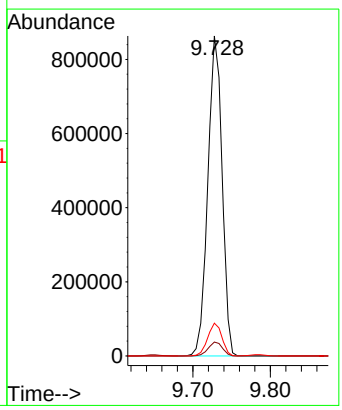


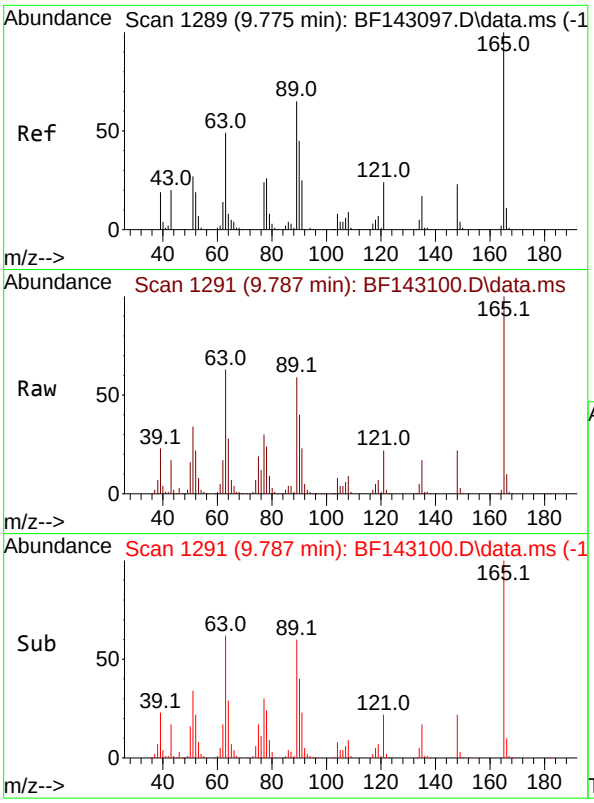


#50
Dimethylphthalate
Concen: 74.327 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:163 Resp: 1104756

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.2	12.2



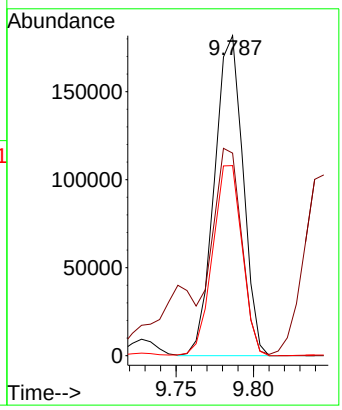


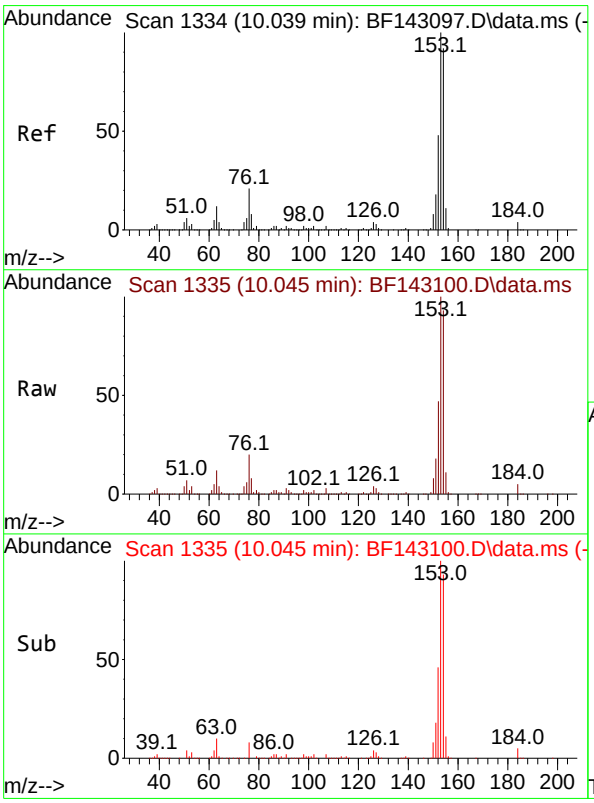
#51
2,6-Dinitrotoluene
Concen: 77.660 ng
RT: 9.787 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 233478

Ion	Ratio	Lower	Upper
165	100		
63	63.3	57.4	86.0
89	59.4	51.8	77.8

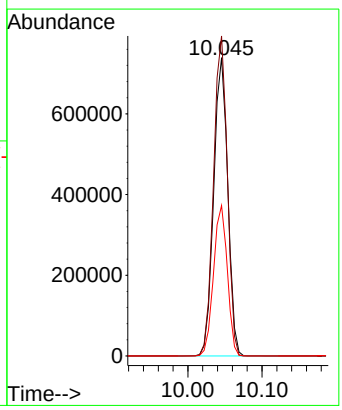


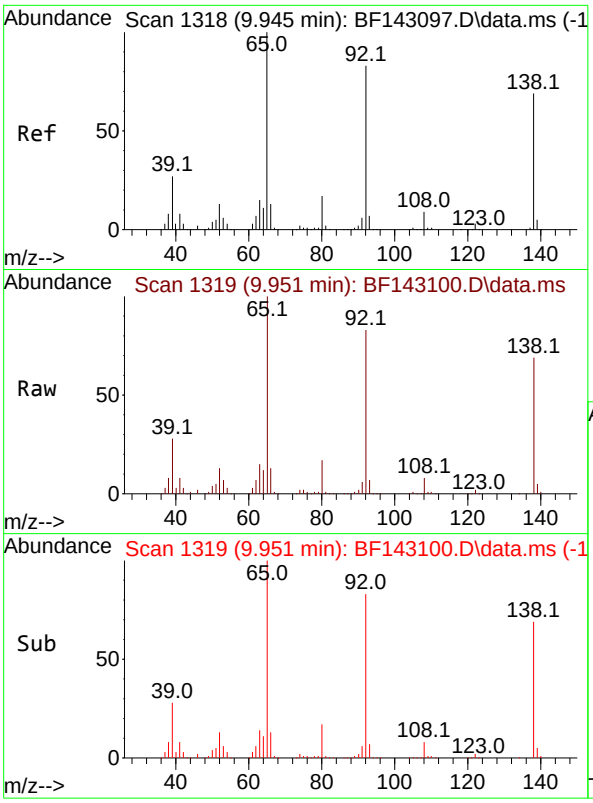


#52
Acenaphthene
Concen: 71.657 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:154 Resp: 975285

Ion	Ratio	Lower	Upper
154	100		
153	107.3	86.7	130.1
152	50.5	41.4	62.2



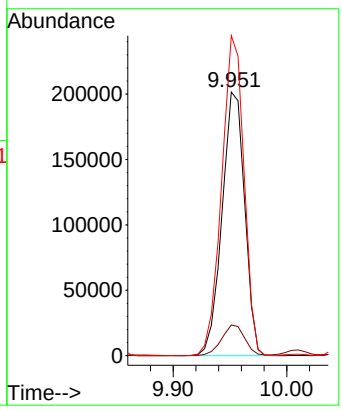


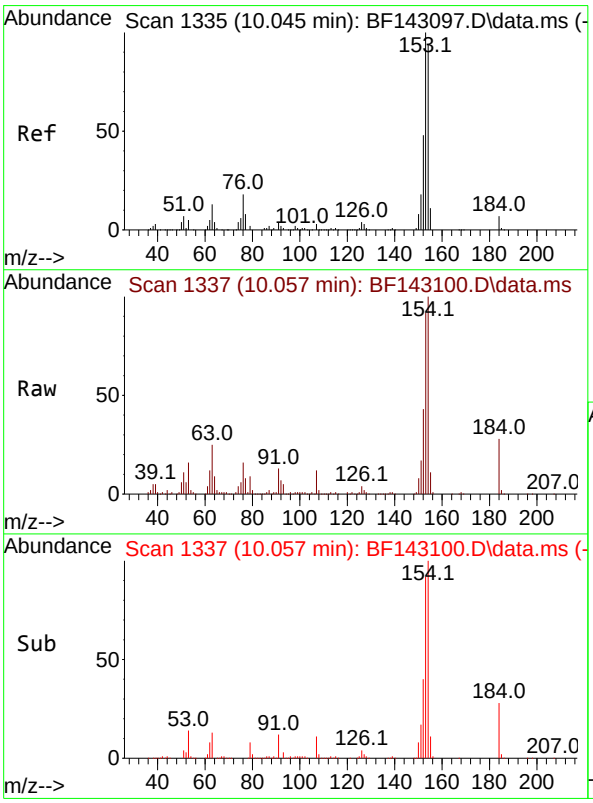
#53
3-Nitroaniline
Concen: 86.920 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 279161

Ion	Ratio	Lower	Upper
138	100		
108	11.6	10.1	15.1
92	121.4	96.4	144.6

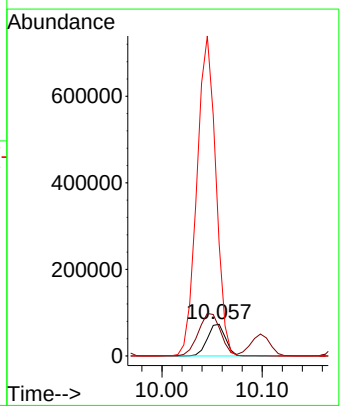


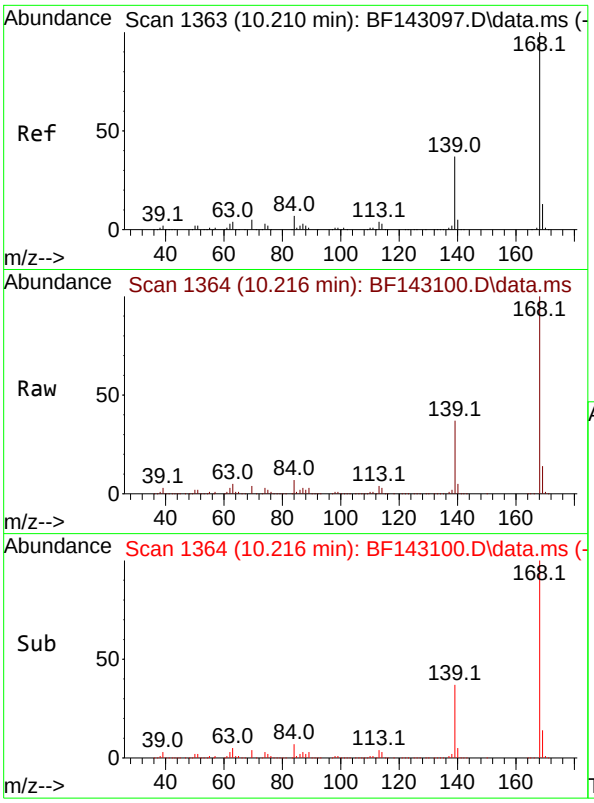


#54
2,4-Dinitrophenol
Concen: 79.064 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:184 Resp: 91751

Ion	Ratio	Lower	Upper
184	100		
63	89.3	149.3	223.9#
154	352.7	1048.0	1572.0#



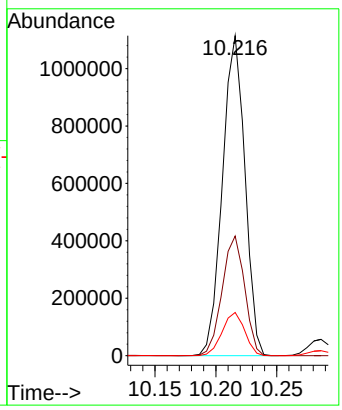


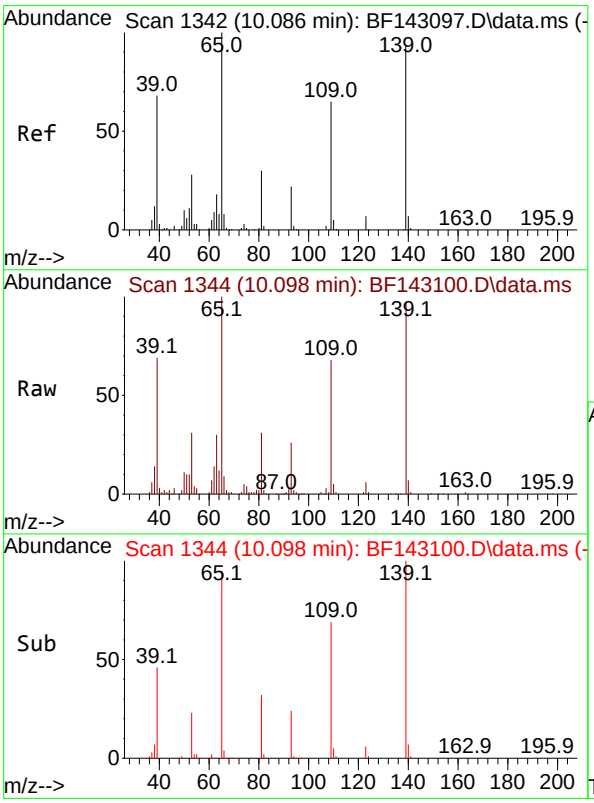
#55
Dibenzofuran
Concen: 70.610 ng
RT: 10.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1432458

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.8	44.6
169	13.5	10.8	16.2

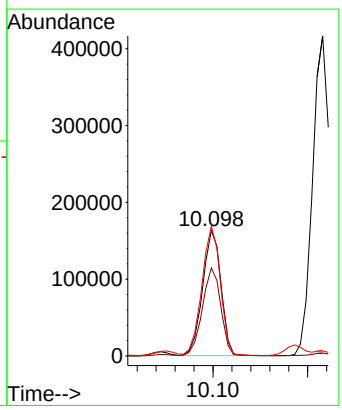


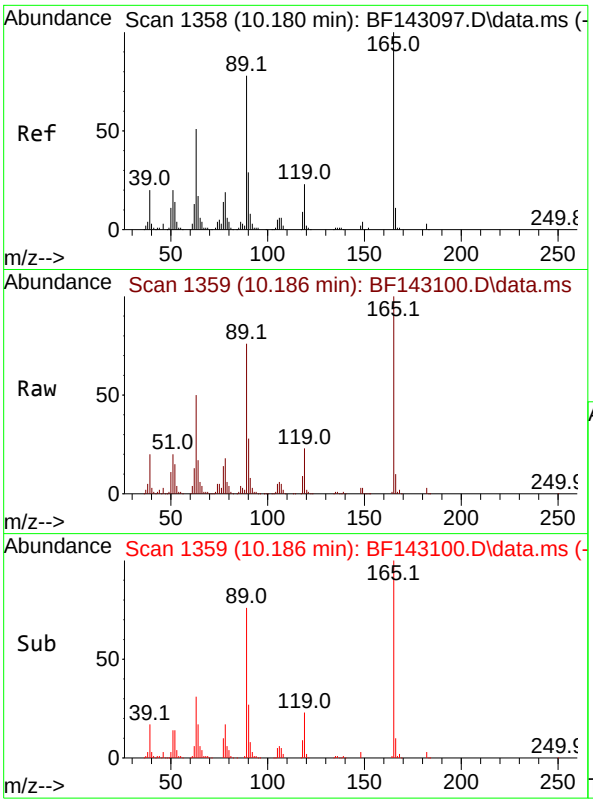


#56
4-Nitrophenol
Concen: 85.886 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:139 Resp: 219224

Ion	Ratio	Lower	Upper
139	100		
109	70.2	49.4	89.4
65	103.6	88.2	128.2



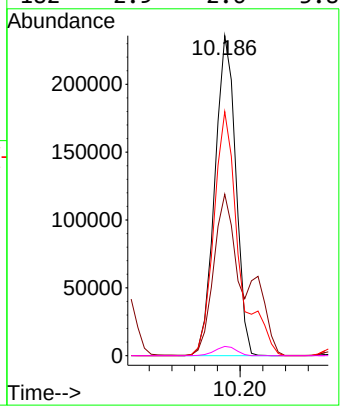


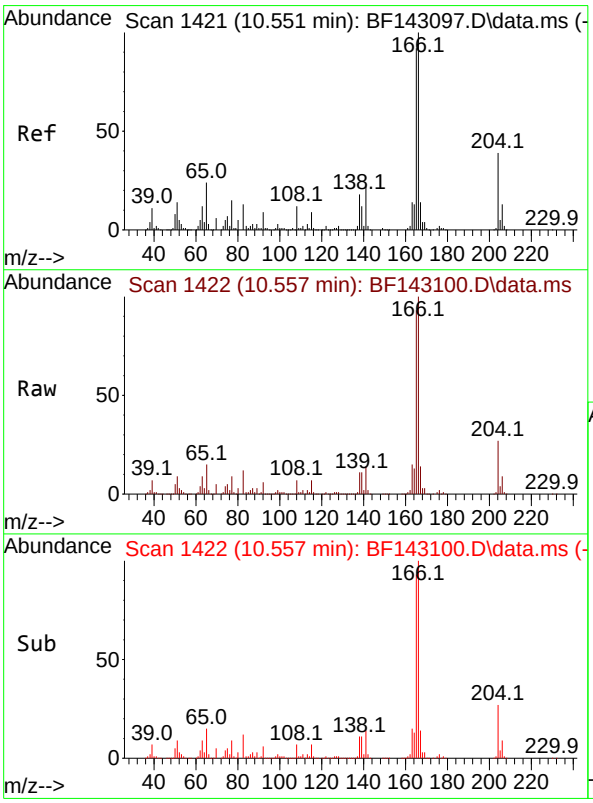
#57
2,4-Dinitrotoluene
Concen: 80.048 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 302558

Ion	Ratio	Lower	Upper
165	100		
63	50.4	40.6	61.0
89	76.3	62.3	93.5
182	2.9	2.6	3.8

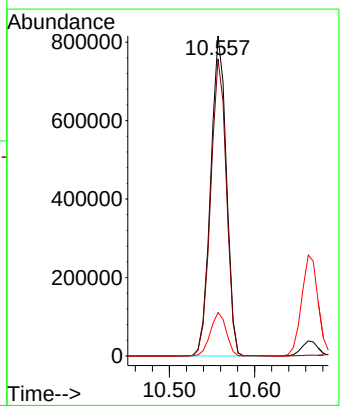


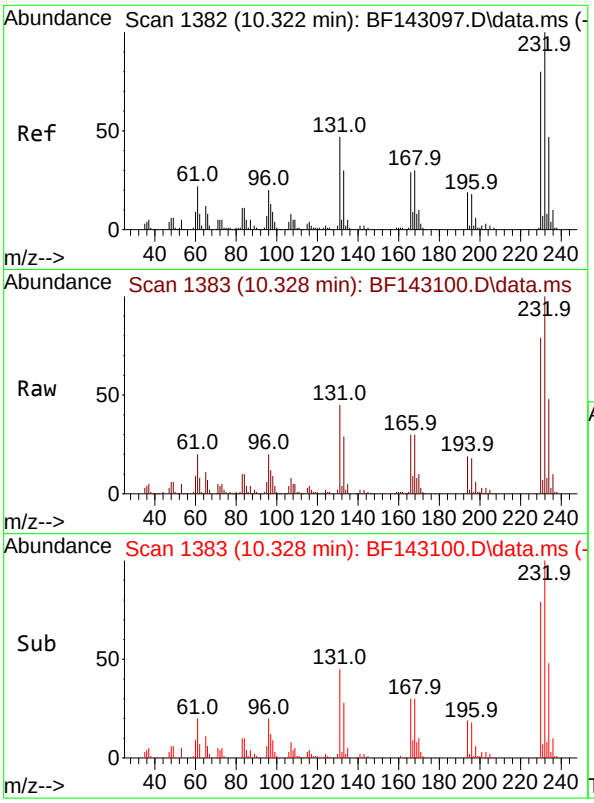


#58
Fluorene
Concen: 68.640 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:166 Resp: 1043990

Ion	Ratio	Lower	Upper
166	100		
165	92.9	73.7	110.5
167	13.6	10.9	16.3



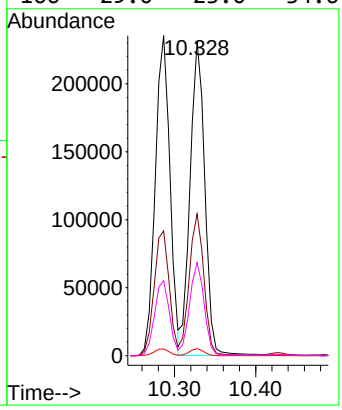


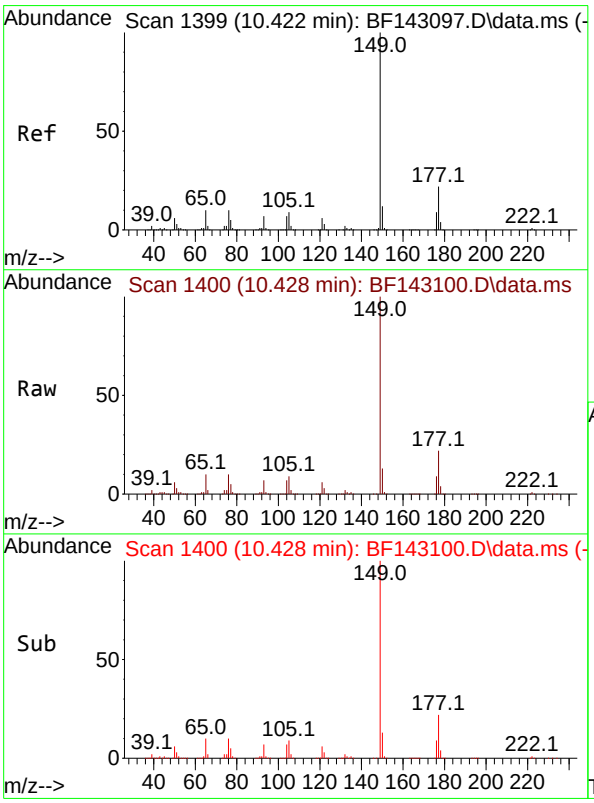
#59
2,3,4,6-Tetrachlorophenol
Concen: 81.893 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 291933

Ion	Ratio	Lower	Upper
232	100		
131	44.7	36.9	55.3
130	2.2	1.8	2.8
166	29.0	23.0	34.6

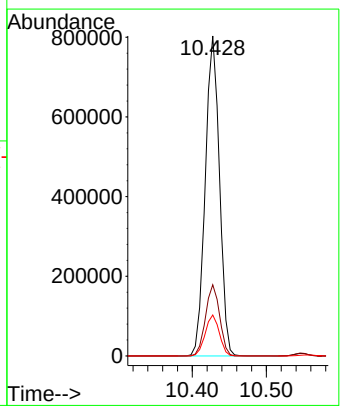


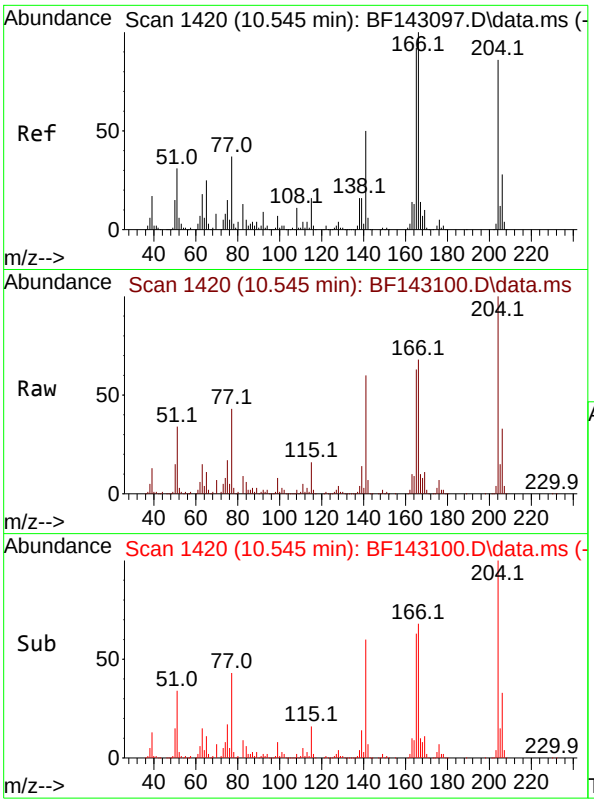


#60
Diethylphthalate
Concen: 74.464 ng
RT: 10.428 min Scan# 1400
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1067815

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.3	25.9
150	12.8	9.9	14.9



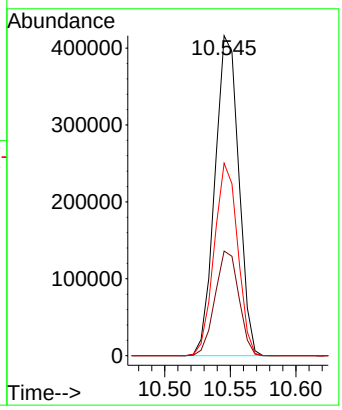


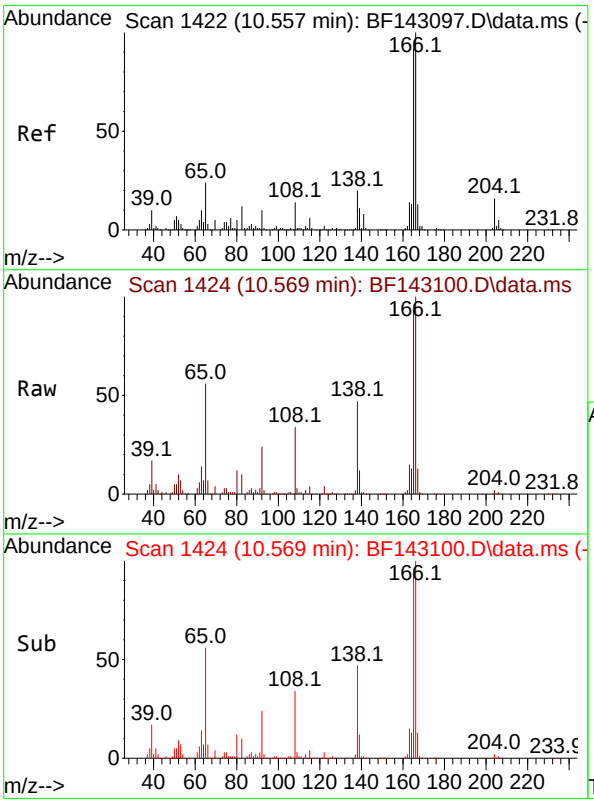
#61
4-Chlorophenyl-phenylether
Concen: 72.005 ng
RT: 10.545 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 524910

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	60.2	46.8	70.2

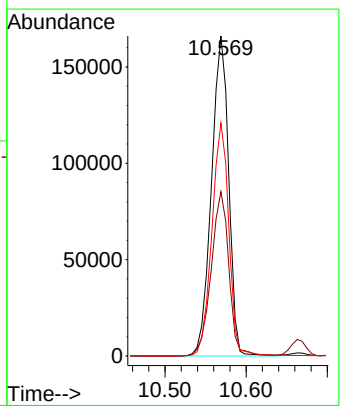


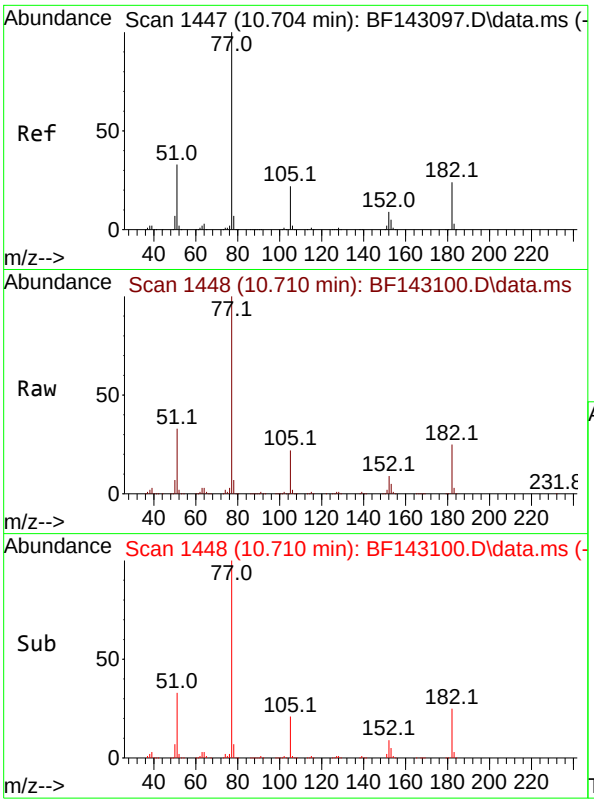


#62
4-Nitroaniline
Concen: 87.527 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:138 Resp: 244461

Ion	Ratio	Lower	Upper
138	100		
92	51.4	30.4	70.4
108	72.9	49.5	89.5



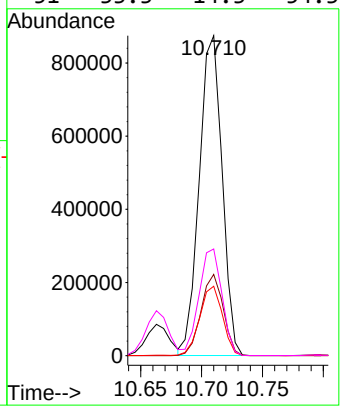


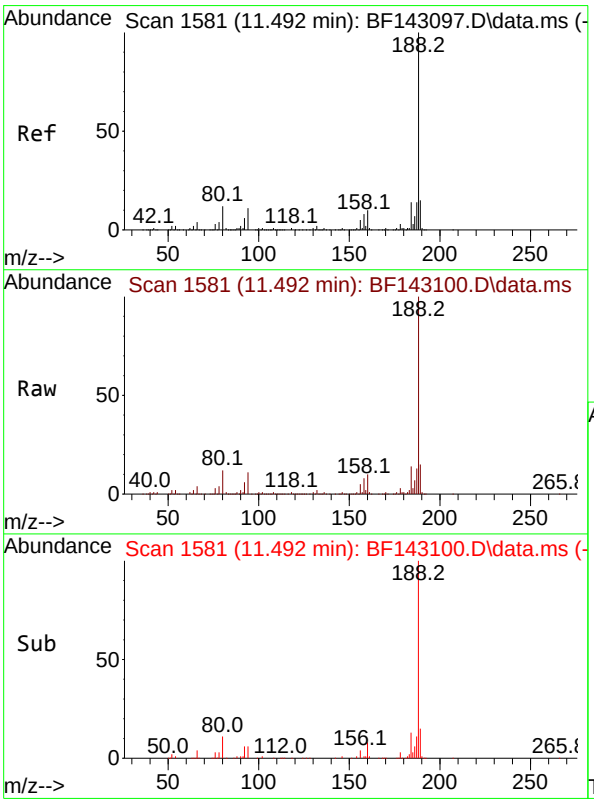
#63
Azobenzene
Concen: 71.985 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1141613

Ion	Ratio	Lower	Upper
77	100		
182	25.4	4.0	44.0
105	21.7	1.4	41.4
51	33.3	14.3	54.3

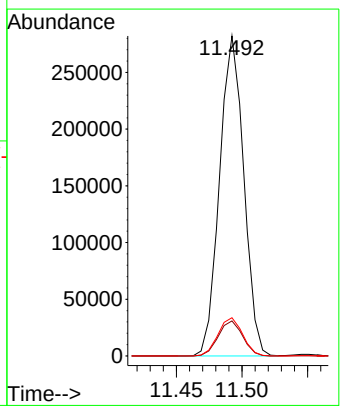


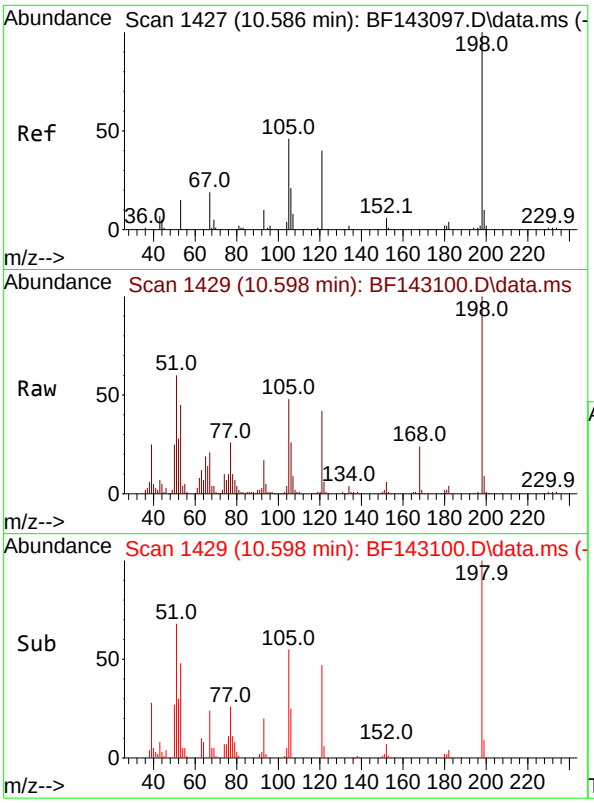


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:188 Resp: 362117

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.6	13.0
80	12.0	9.3	13.9



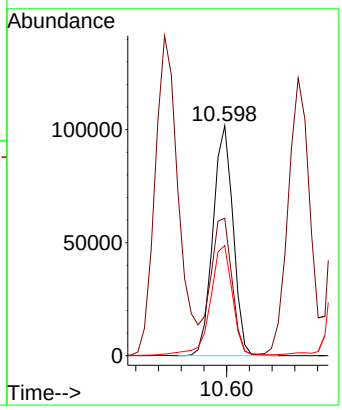


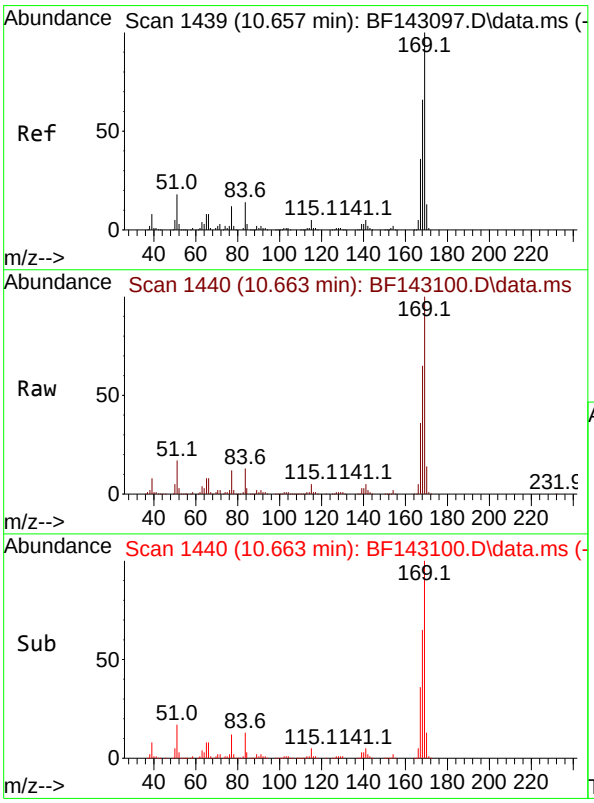
#65
4,6-Dinitro-2-methylphenol
Concen: 78.600 ng
RT: 10.598 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 125251

Ion	Ratio	Lower	Upper
198	100		
51	59.8	44.6	84.6
105	47.9	29.3	69.3

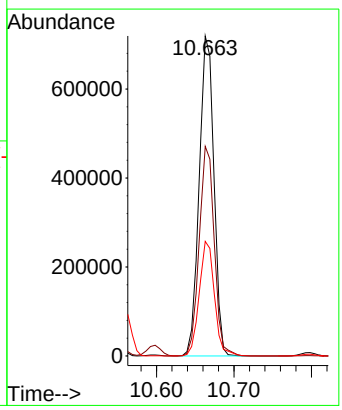


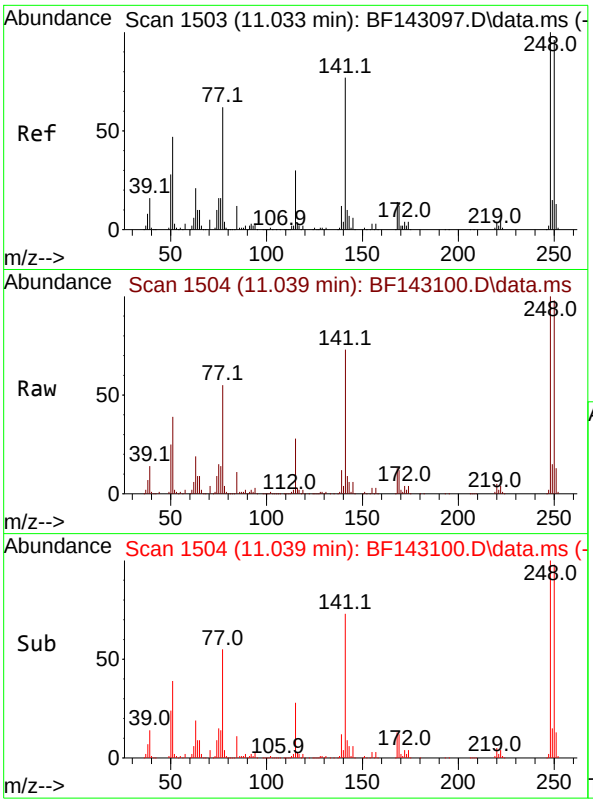


#66
n-Nitrosodiphenylamine
Concen: 74.520 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:169 Resp: 947890

Ion	Ratio	Lower	Upper
169	100		
168	65.5	53.0	79.6
167	35.8	28.4	42.6



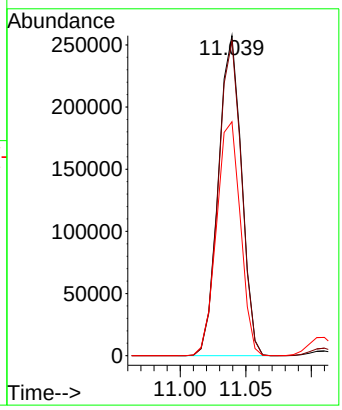


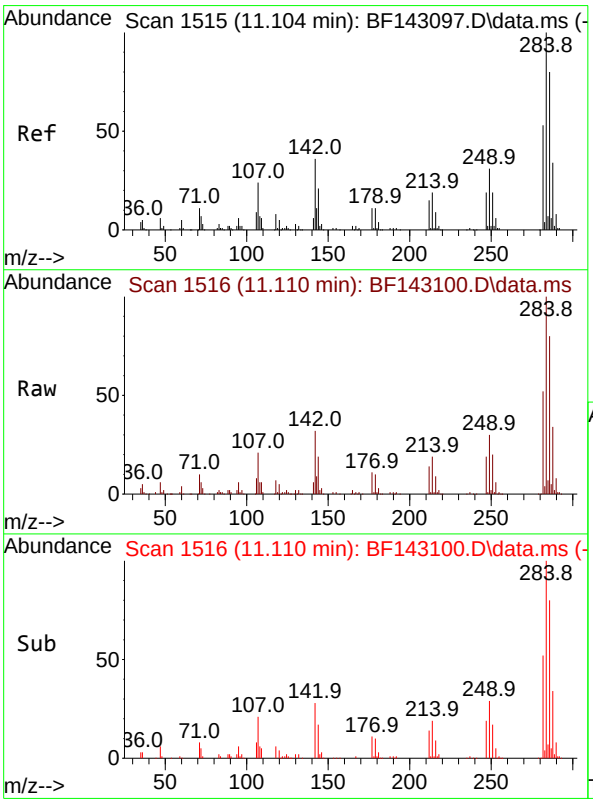
#67
4-Bromophenyl-phenylether
Concen: 76.885 ng
RT: 11.039 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 316619

Ion	Ratio	Lower	Upper
248	100		
250	98.3	76.7	115.1
141	73.1	61.7	92.5

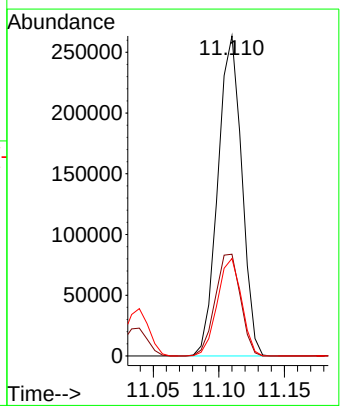


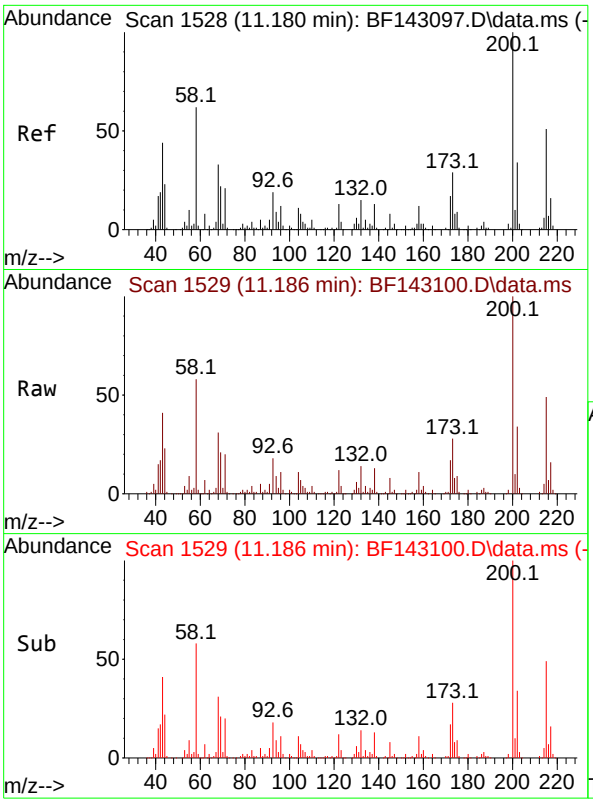


#68
Hexachlorobenzene
Concen: 76.417 ng
RT: 11.110 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:284 Resp: 333899

Ion	Ratio	Lower	Upper
284	100		
142	31.8	28.9	43.3
249	30.5	24.6	37.0



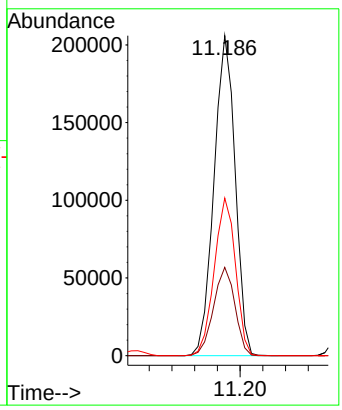


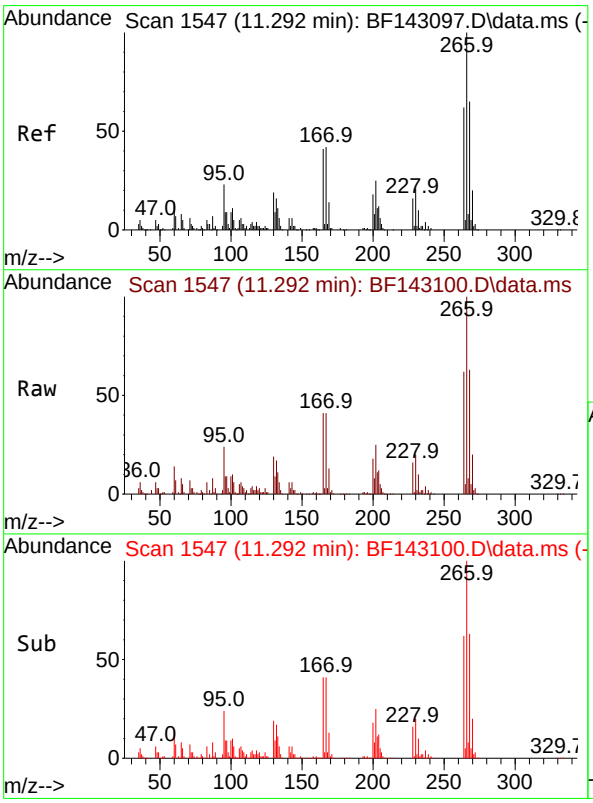
#69
Atrazine
Concen: 81.943 ng
RT: 11.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 266668

Ion	Ratio	Lower	Upper
200	100		
173	27.6	9.1	49.1
215	49.2	31.0	71.0

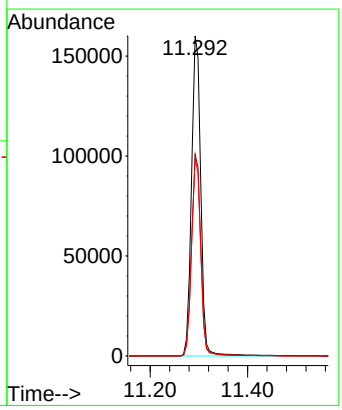


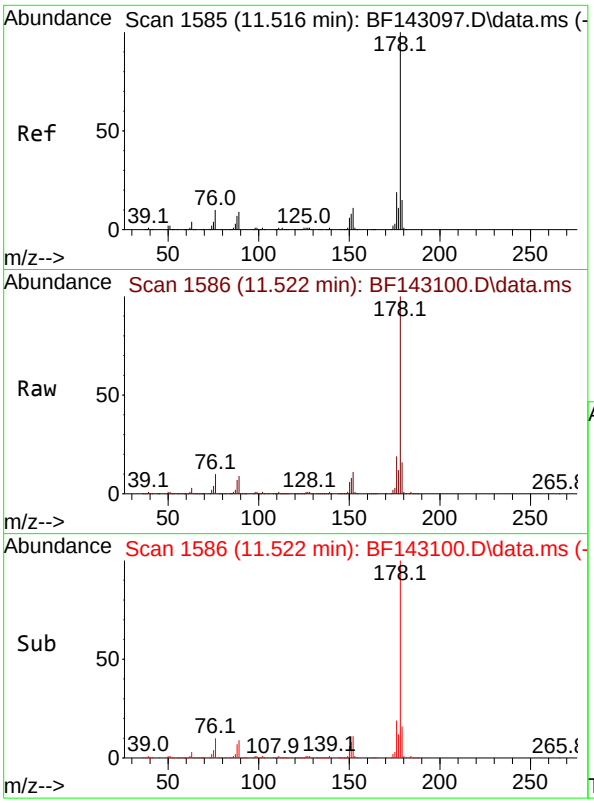


#70
Pentachlorophenol
Concen: 87.905 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:266 Resp: 210729

Ion	Ratio	Lower	Upper
266	100		
268	63.0	51.8	77.6
264	61.8	49.7	74.5



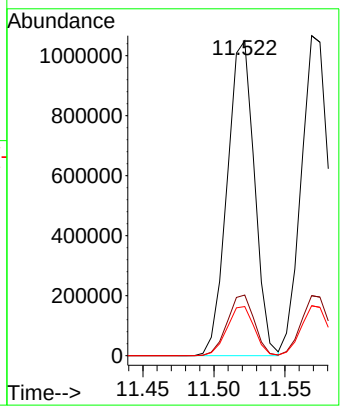


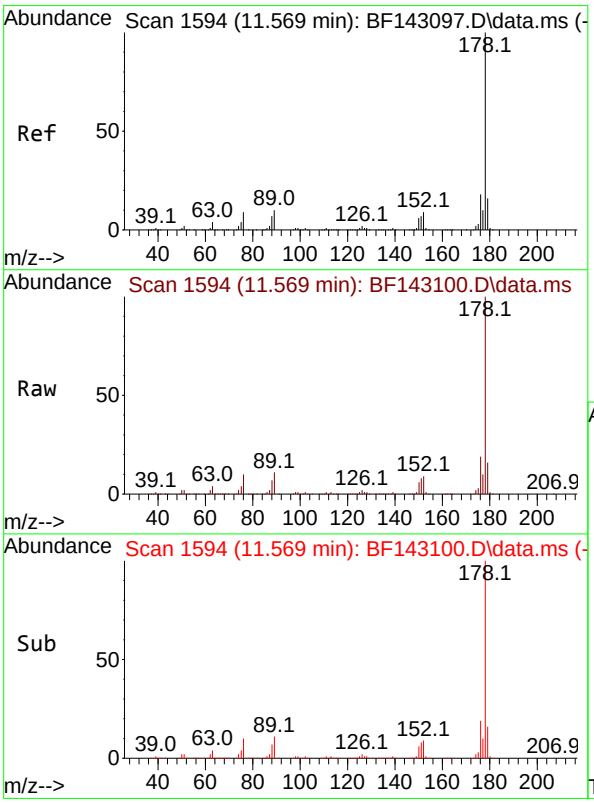
#71
Phenanthrene
Concen: 71.714 ng
RT: 11.522 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1401500

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.6	12.2	18.4

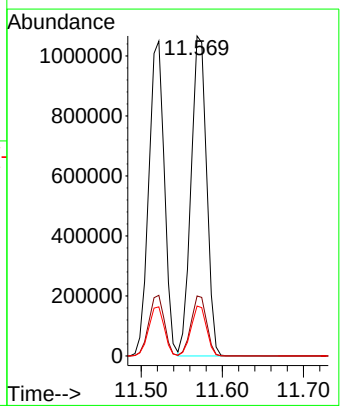


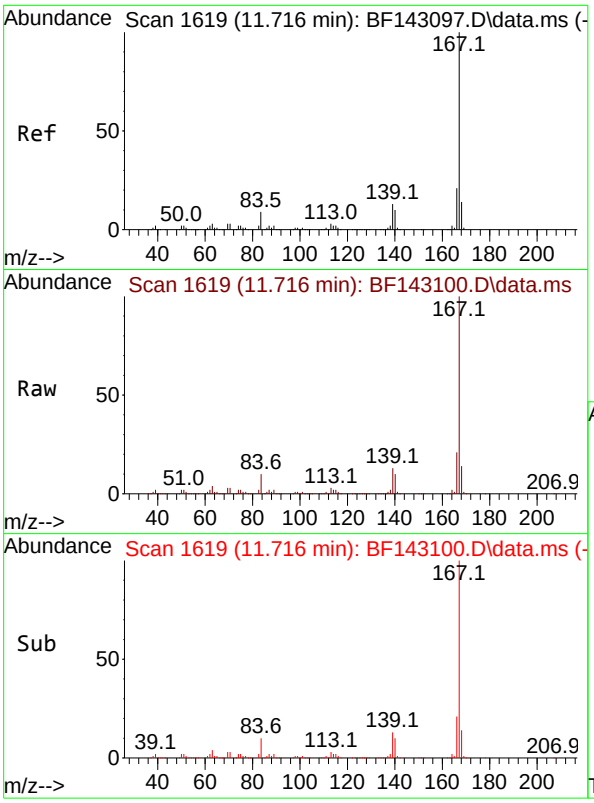


#72
Anthracene
Concen: 72.421 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:178 Resp: 1423259

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.7	22.1
179	15.6	12.4	18.6



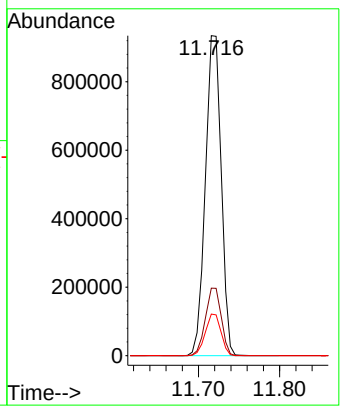


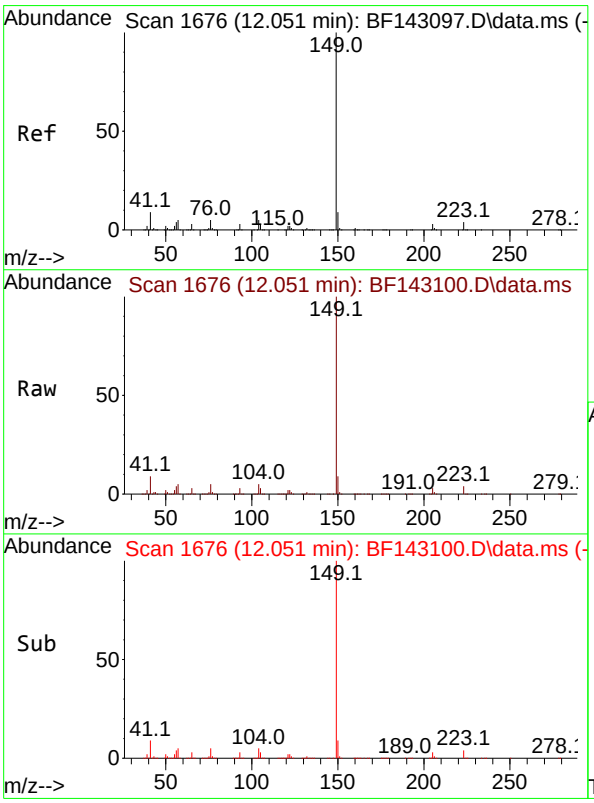
#73
Carbazole
Concen: 71.796 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1264053

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.4
139	13.0	10.2	15.4

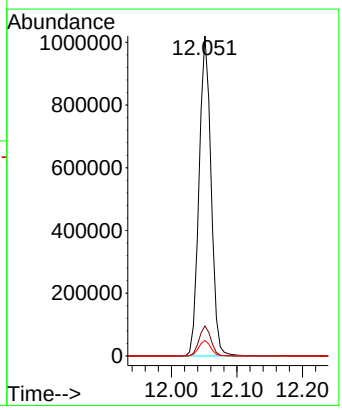


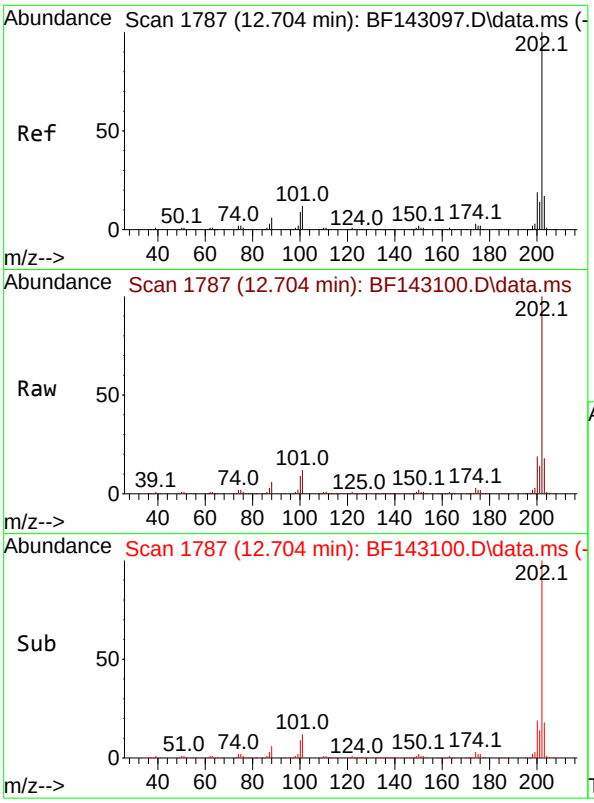


#74
Di-n-butylphthalate
Concen: 80.422 ng
RT: 12.051 min Scan# 1676
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 1299711

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.3	10.9
104	4.8	3.8	5.8



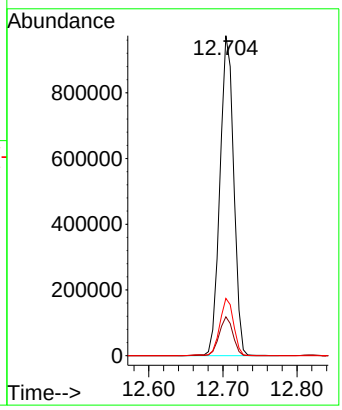


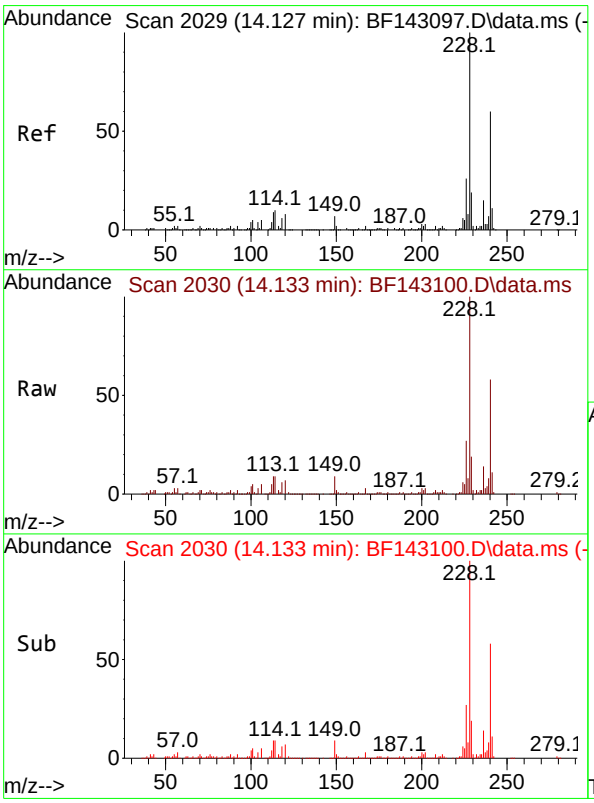
#75
Fluoranthene
Concen: 70.821 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1258479

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	32.4
203	17.9	0.0	37.4

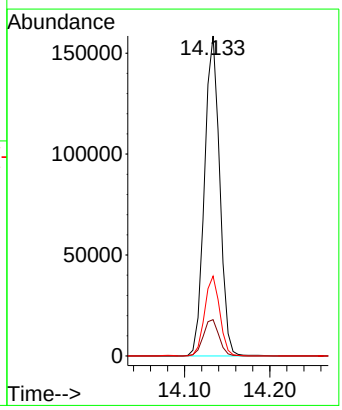


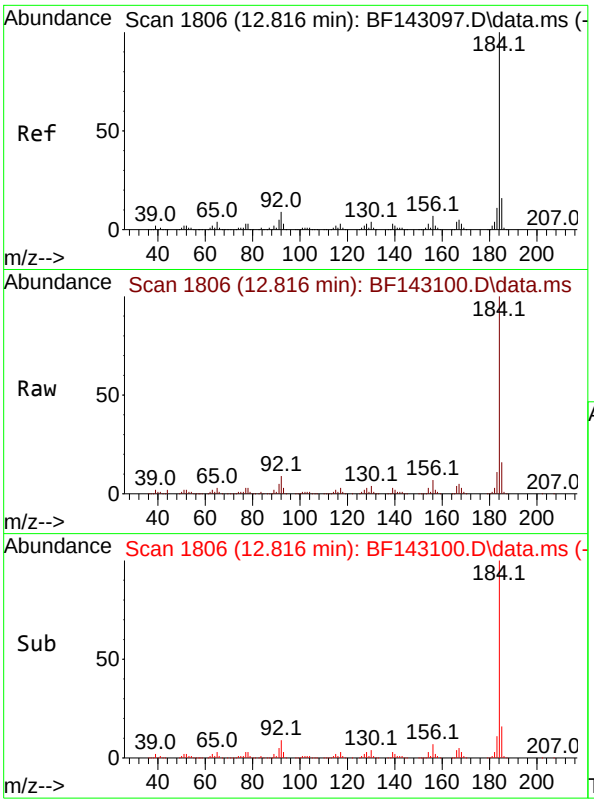


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:240 Resp: 196411

Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.0	15.0
236	25.0	20.0	30.0



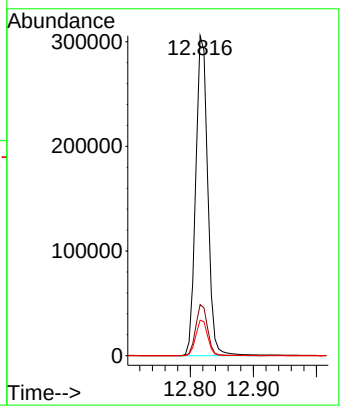


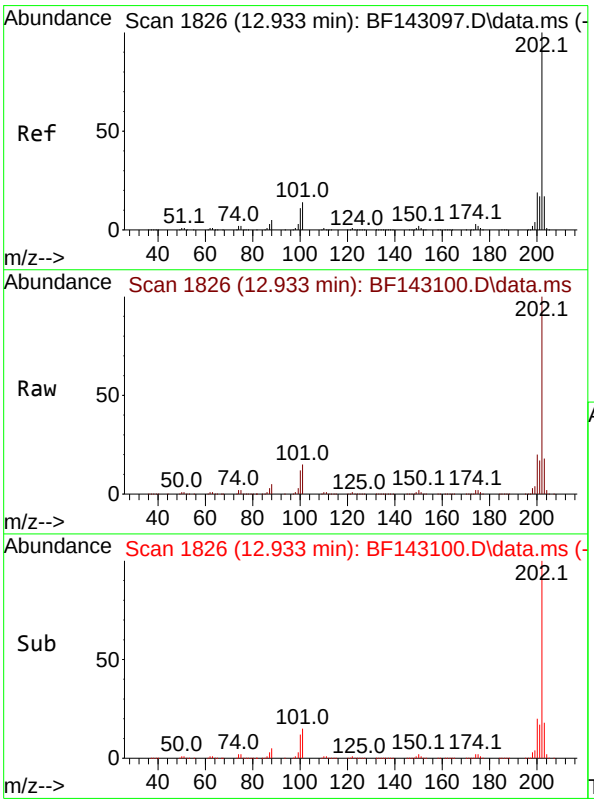
#77
Benzidine
Concen: 60.315 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 403599

Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.4	18.6
183	11.1	8.6	12.8

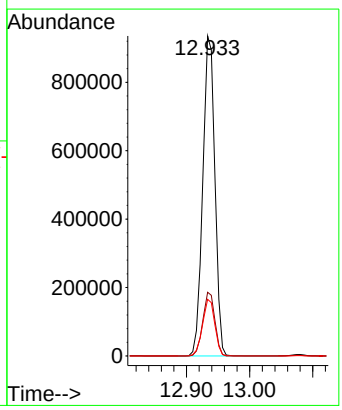


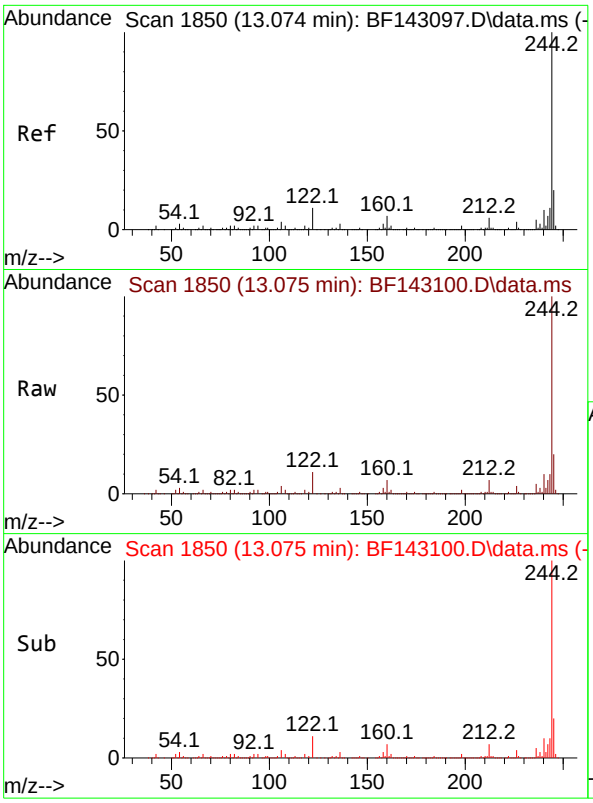


#78
Pyrene
Concen: 68.315 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:202 Resp: 1244953

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.5	23.3
203	17.7	14.0	21.0



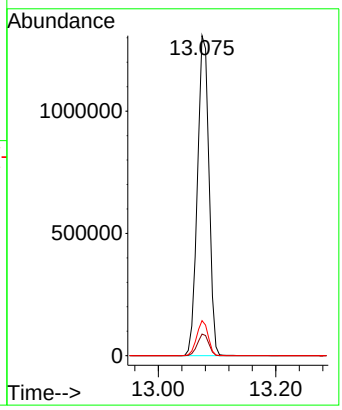


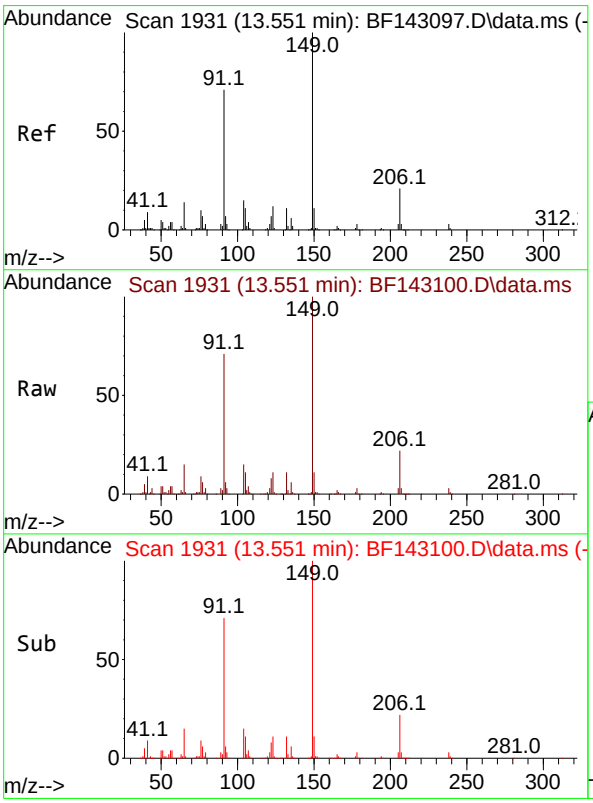
#79
Terphenyl-d14
Concen: 132.466 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 1779829

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.2	7.8
122	11.0	8.8	13.2

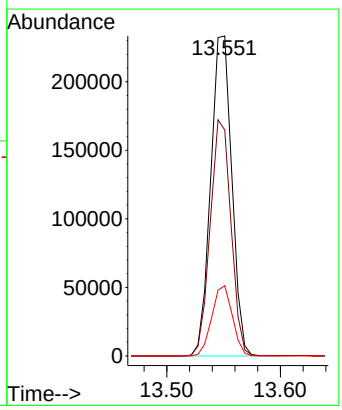


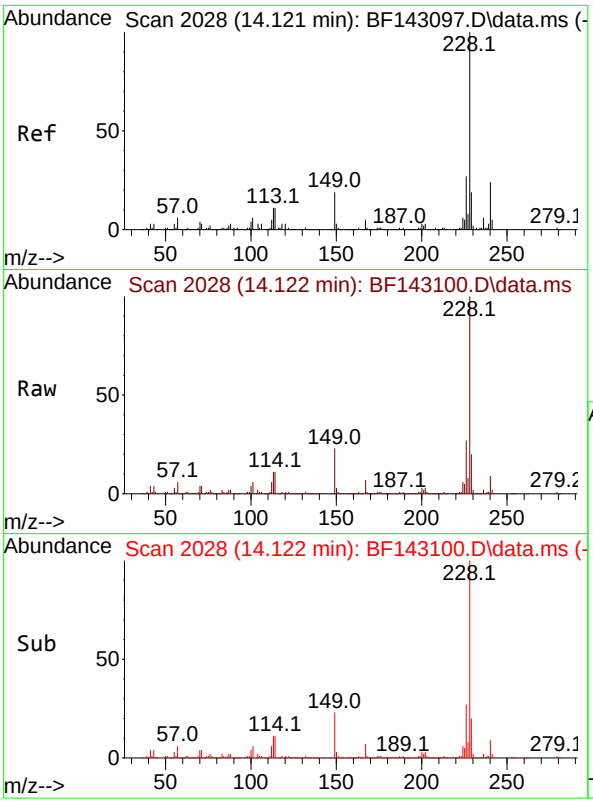


#80
Butylbenzylphthalate
Concen: 79.914 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 301525

Ion	Ratio	Lower	Upper
149	100		
91	70.6	57.0	85.4
206	21.9	17.2	25.8



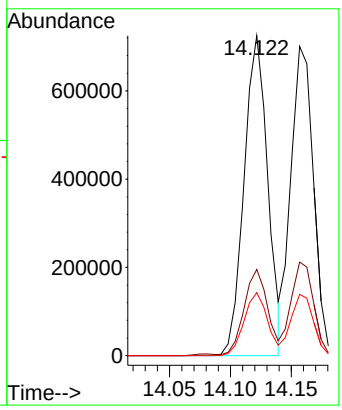


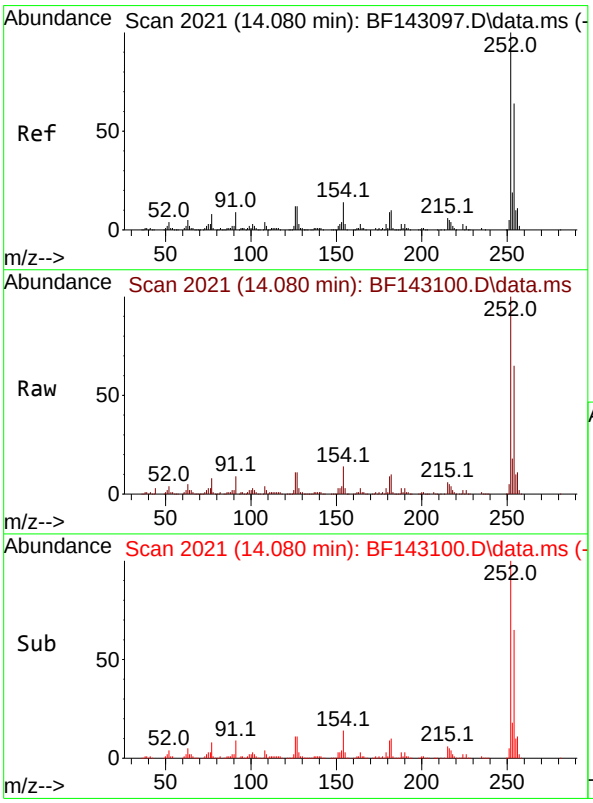
#81
Benzo(a)anthracene
Concen: 74.870 ng
RT: 14.122 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 979909

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.3	31.9
229	19.7	15.5	23.3

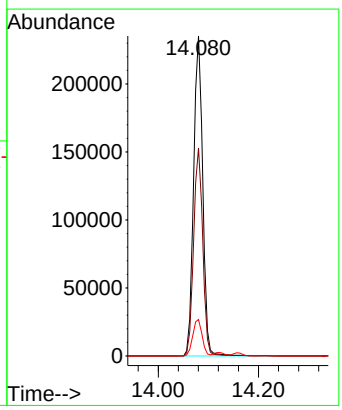


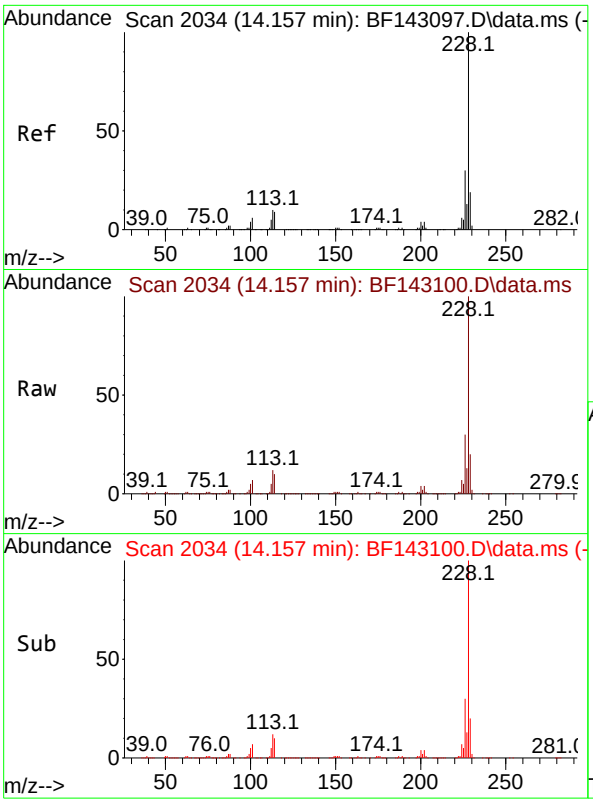


#82
3,3'-Dichlorobenzidine
Concen: 77.896 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 296061

Ion	Ratio	Lower	Upper
252	100		
254	65.0	51.5	77.3
126	11.4	9.4	14.0



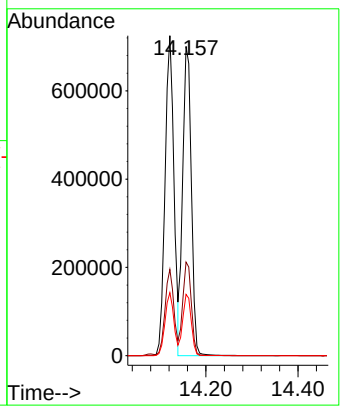


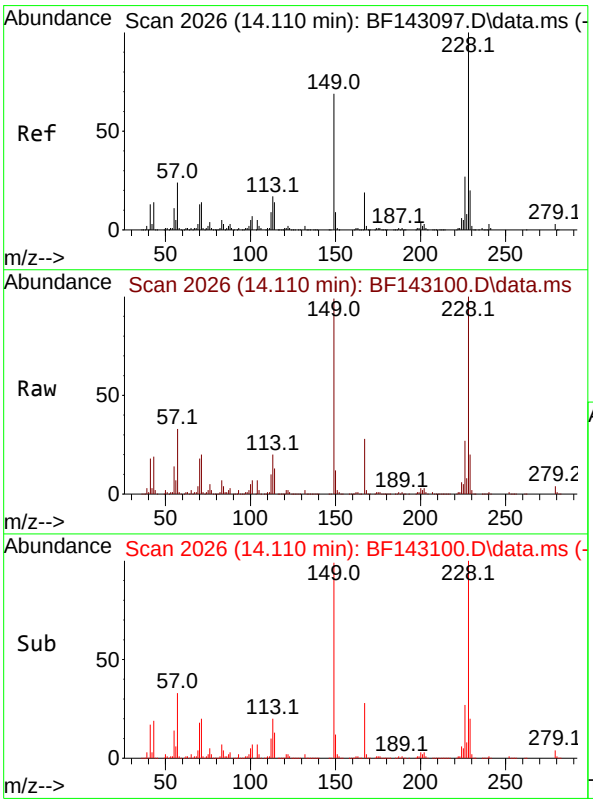
#83
Chrysene
Concen: 75.743 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 913035

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	19.8	15.3	22.9

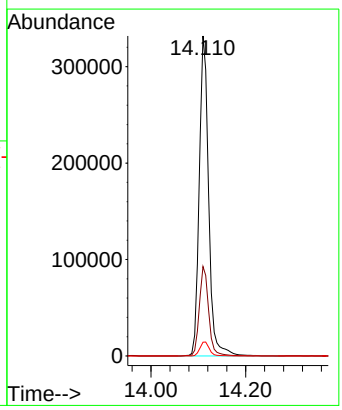


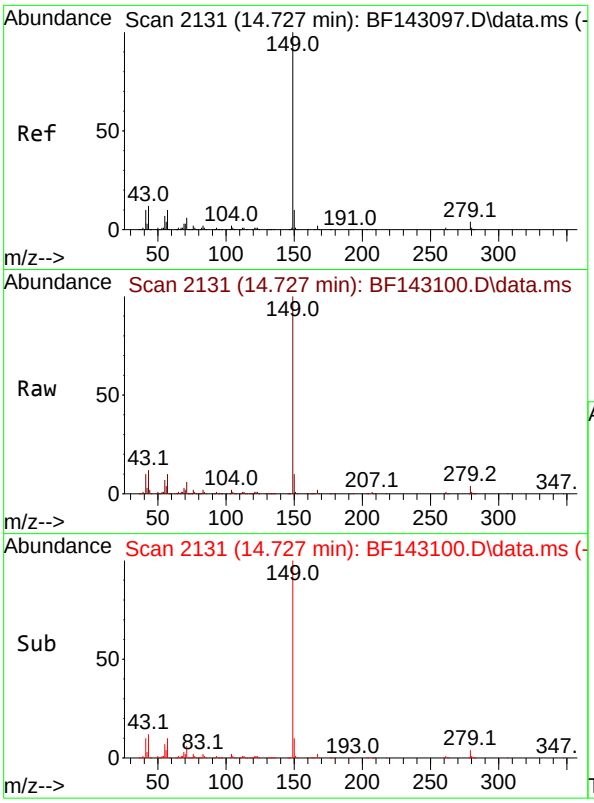


#84
Bis(2-ethylhexyl)phthalate
Concen: 80.495 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:149 Resp: 458210

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.9	32.9
279	4.3	3.4	5.0



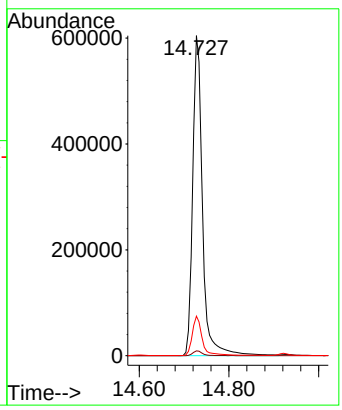


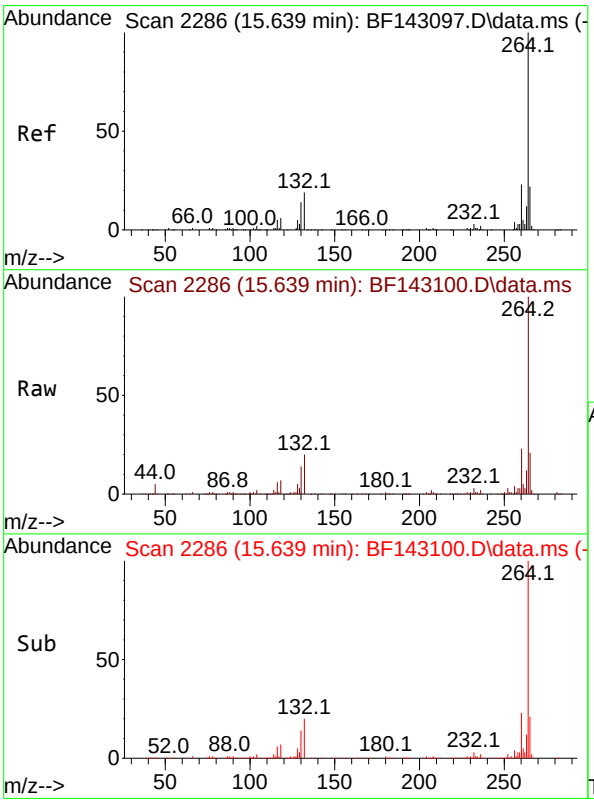
#85
Di-n-octyl phthalate
Concen: 82.209 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 916748

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	12.3	10.6	16.0

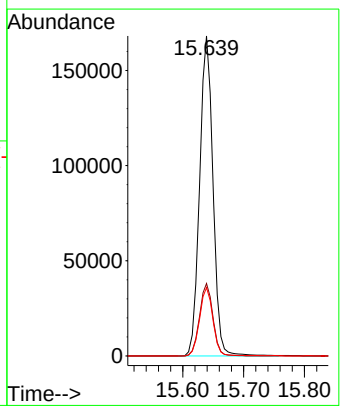


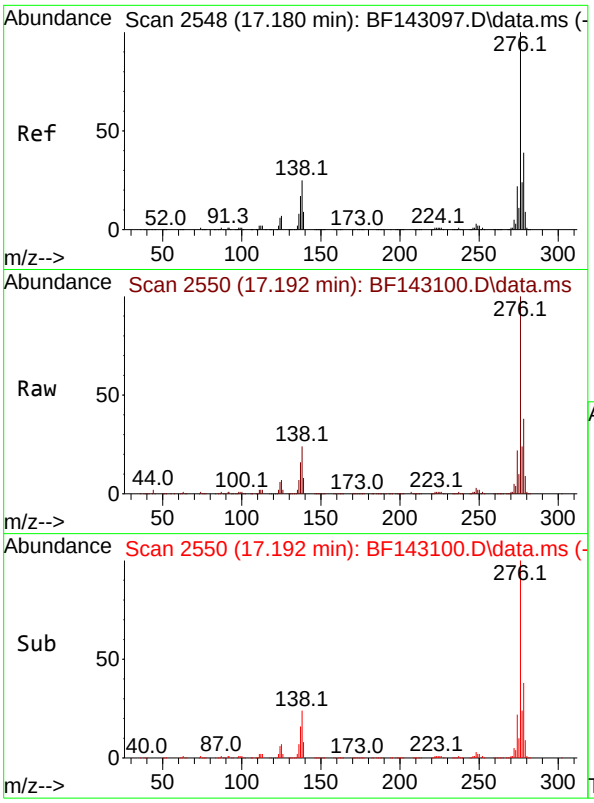


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.000 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:264 Resp: 256691

Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.5	27.7
265	21.4	17.5	26.3



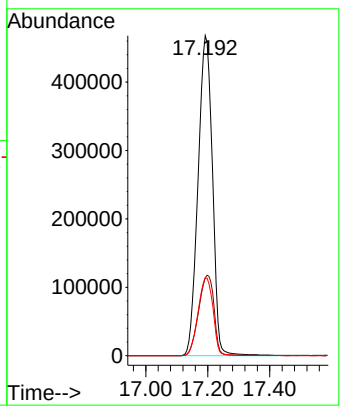


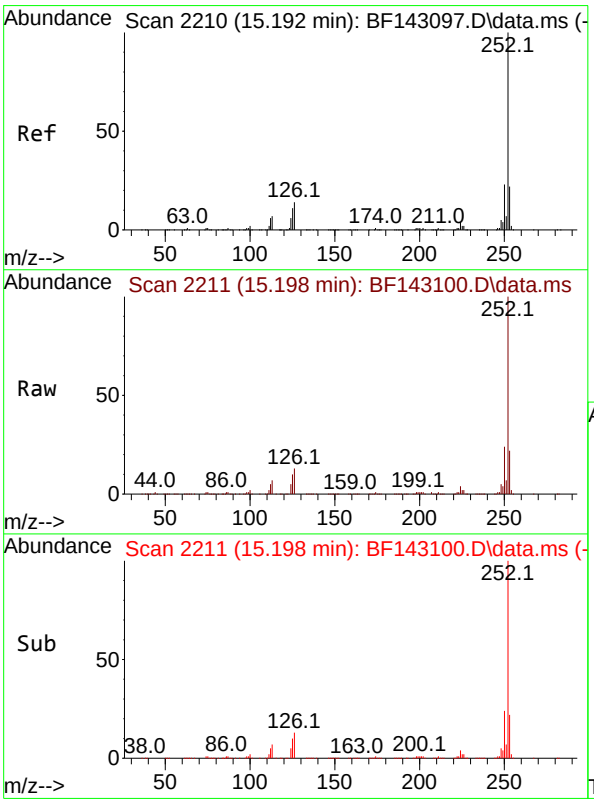
#87
Indeno(1,2,3-cd)pyrene
Concen: 79.082 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1509813

Ion	Ratio	Lower	Upper
276	100		
138	26.8	22.6	34.0
277	25.3	20.2	30.2

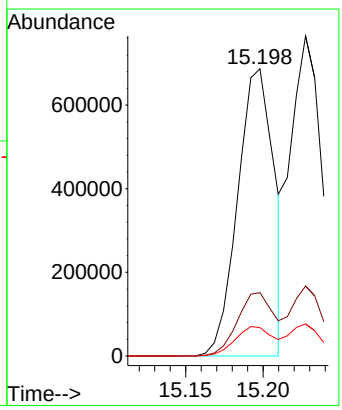


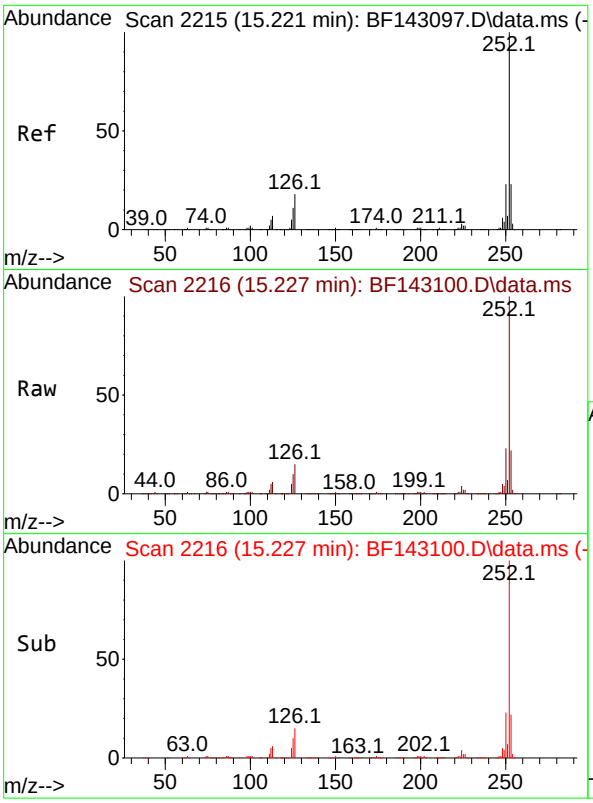


#88
Benzo(b)fluoranthene
Concen: 75.360 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 1115815

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	9.8	8.6	13.0



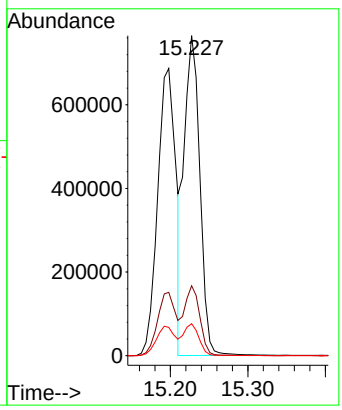


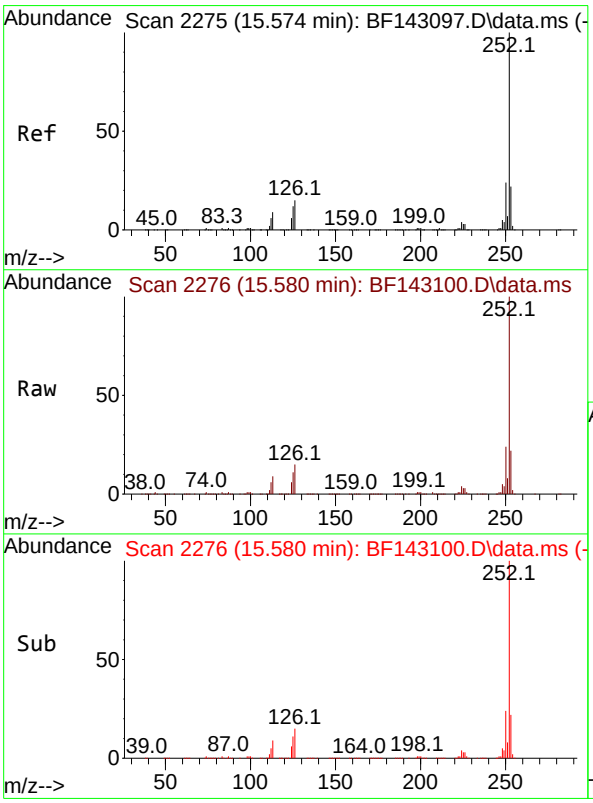
#89
Benzo(k)fluoranthene
Concen: 76.736 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1083939

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.0	8.5	12.7

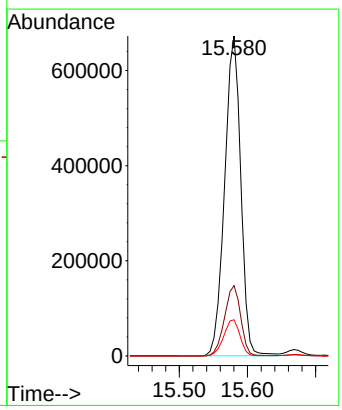


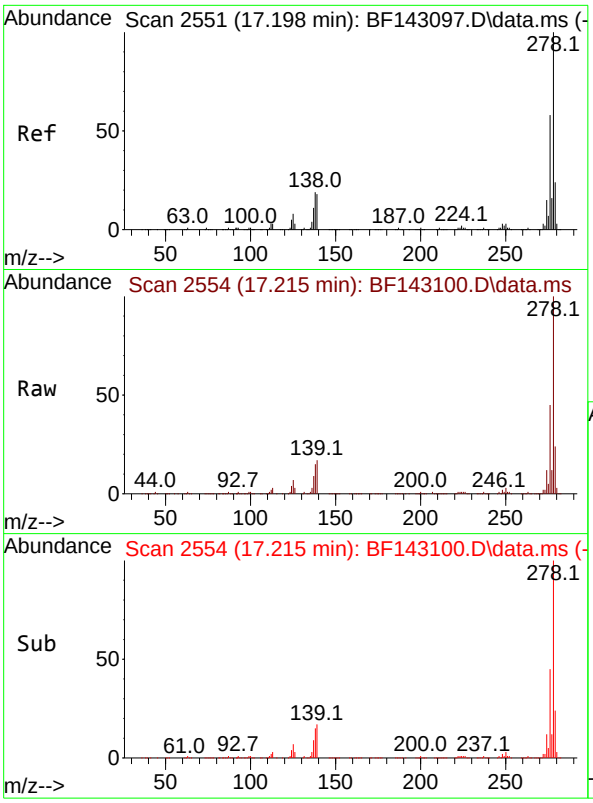


#90
Benzo(a)pyrene
Concen: 79.071 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:252 Resp: 1107280

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	11.3	9.4	14.0



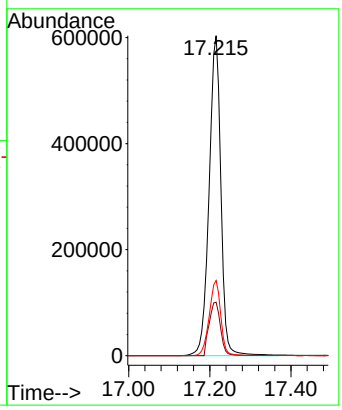


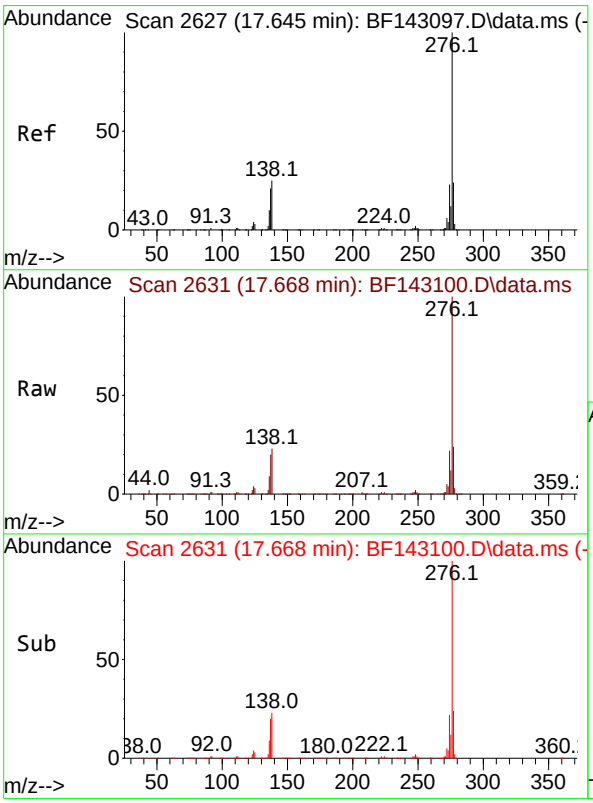
#91
Dibenzo(a,h)anthracene
Concen: 77.528 ng
RT: 17.215 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1209971

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.6	22.0
279	23.5	18.8	28.2

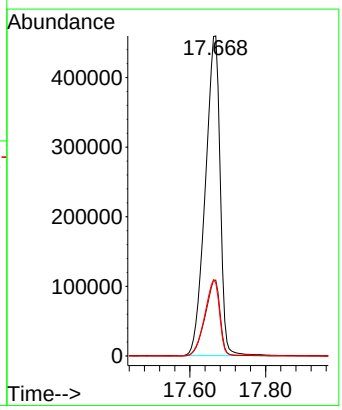




#92
Benzo(g,h,i)perylene
Concen: 78.321 ng
RT: 17.668 min Scan# 2631
Delta R.T. 0.024 min
Lab File: BF143100.D
Acq: 15 Jul 2025 16:35

Tgt Ion:276 Resp: 1246206

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	22.8	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	130235	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	496378	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	248221	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	398969	20.000	ng	0.00
76) Chrysene-d12	14.133	240	215152	20.000	ng	0.00
86) Perylene-d12	15.639	264	235493	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	649544	78.799	ng	0.00
7) Phenol-d6	6.587	99	814393	78.598	ng	0.00
23) Nitrobenzene-d5	7.528	82	726961	82.157	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	190277	85.971	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1290148	69.090	ng	0.00
79) Terphenyl-d14	13.074	244	1064372	72.317	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.810	88	156917	38.242	ng	99
3) Pyridine	3.581	79	426106	41.009	ng	99
4) n-Nitrosodimethylamine	3.522	42	223240	41.468	ng	98
6) Aniline	6.628	93	598787	41.038	ng	100
8) 2-Chlorophenol	6.751	128	351129	42.397	ng	99
9) Benzaldehyde	6.516	77	293033	37.115	ng	99
10) Phenol	6.598	94	494279	44.065	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	354713	40.848	ng	99
12) 1,3-Dichlorobenzene	6.910	146	380756	40.694	ng	100
13) 1,4-Dichlorobenzene	6.987	146	381590	40.539	ng	100
14) 1,2-Dichlorobenzene	7.139	146	366082	40.782	ng	99
15) Benzyl Alcohol	7.098	79	325035	42.336	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	644651	40.273	ng	100
17) 2-Methylphenol	7.204	107	296835	41.532	ng	99
18) Hexachloroethane	7.486	117	132499	43.239	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	266499	41.982	ng	100
20) 3+4-Methylphenols	7.363	107	368618	42.057	ng	99
22) Acetophenone	7.375	105	482823	40.351	ng	99
24) Nitrobenzene	7.545	77	381374	44.647	ng	99
25) Isophorone	7.786	82	704424	41.188	ng	100
26) 2-Nitrophenol	7.863	139	150156	44.317	ng	100
27) 2,4-Dimethylphenol	7.892	122	333899	42.064	ng	100
28) bis(2-Chloroethoxy)met...	7.992	93	423022	40.789	ng	100
29) 2,4-Dichlorophenol	8.098	162	283011	43.580	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	303602	41.194	ng	99
31) Naphthalene	8.275	128	999363	40.543	ng	99
32) Benzoic acid	7.986	122	154256	40.223	ng	98
33) 4-Chloroaniline	8.310	127	408741	41.236	ng	99
34) Hexachlorobutadiene	8.392	225	182140	41.324	ng	99
35) Caprolactam	8.675	113	88286	43.536	ng	95
36) 4-Chloro-3-methylphenol	8.786	107	306624	42.387	ng	99
37) 2-Methylnaphthalene	8.963	142	597819	40.654	ng	100
38) 1-Methylnaphthalene	9.063	142	624130	40.922	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	293187	40.531	ng	99
41) Hexachlorocyclopentadiene	9.122	237	180819	45.086	ng	98
43) 2,4,6-Trichlorophenol	9.233	196	197565	43.955	ng	98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

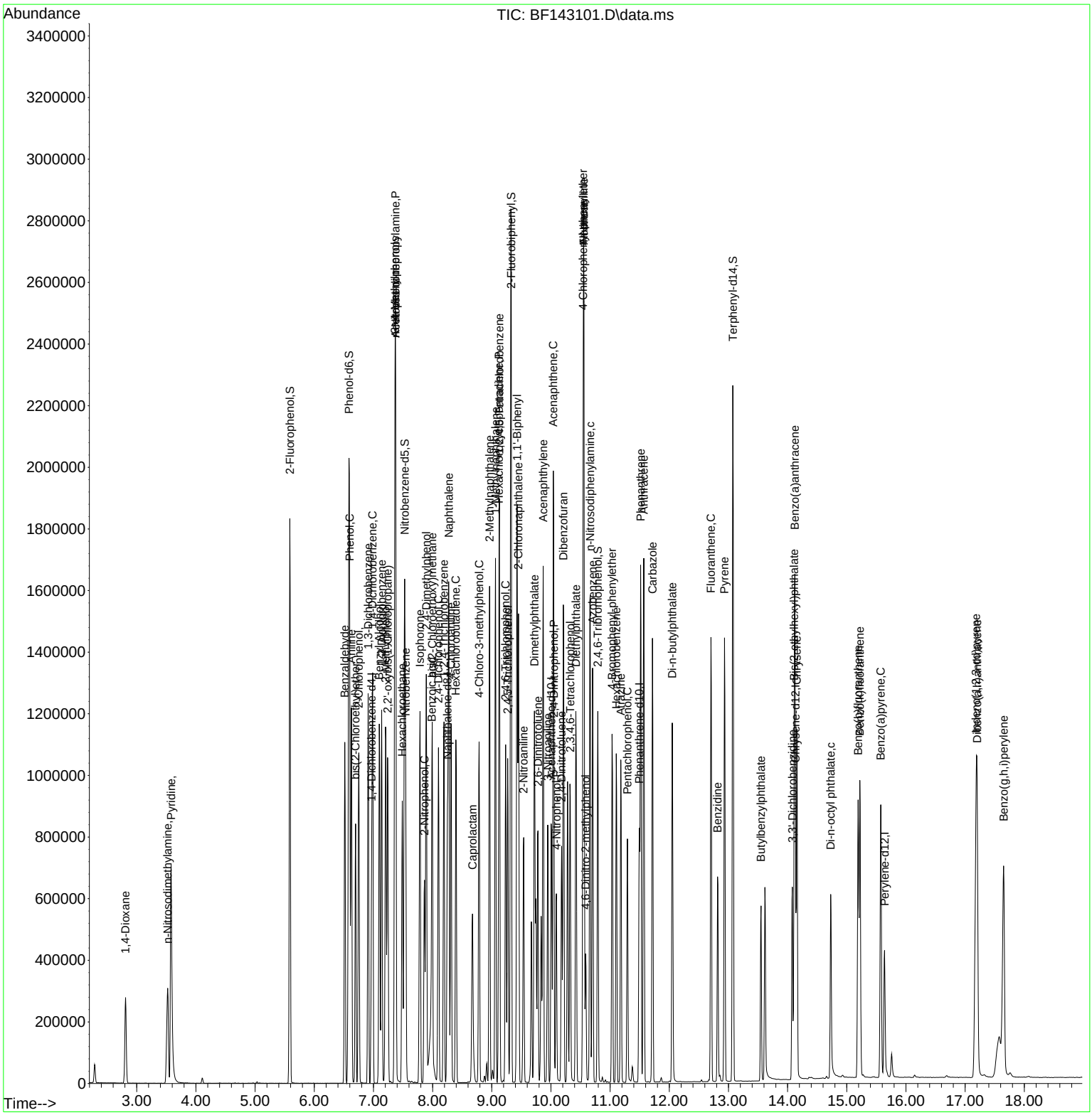
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	202658	43.001	ng		99
46) 1,1'-Biphenyl	9.428	154	799467	40.387	ng		100
47) 2-Chloronaphthalene	9.451	162	584687	40.207	ng		100
48) 2-Nitroaniline	9.539	65	185847	43.148	ng		96
49) Acenaphthylene	9.869	152	987106	40.736	ng		99
50) Dimethylphthalate	9.722	163	644618	41.279	ng		100
51) 2,6-Dinitrotoluene	9.780	165	132241	43.156	ng		92
52) Acenaphthene	10.039	154	571724	39.982	ng		99
53) 3-Nitroaniline	9.945	138	160978	47.707	ng		99
54) 2,4-Dinitrophenol	10.051	184	46465	47.113	ng	#	1
55) Dibenzofuran	10.210	168	858944	40.300	ng		100
56) 4-Nitrophenol	10.092	139	122610	45.720	ng		96
57) 2,4-Dinitrotoluene	10.180	165	168227	43.964	ng		99
58) Fluorene	10.557	166	634897	39.732	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.327	232	168172	44.902	ng		98
60) Diethylphthalate	10.422	149	637247	42.297	ng		99
61) 4-Chlorophenyl-phenyle...	10.545	204	313111	40.882	ng		98
62) 4-Nitroaniline	10.557	138	139342	47.486	ng		98
63) Azobenzene	10.704	77	680354	40.833	ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	65266	44.754	ng		98
66) n-Nitrosodiphenylamine	10.663	169	563086	40.179	ng		100
67) 4-Bromophenyl-phenylether	11.033	248	189573	41.782	ng		100
68) Hexachlorobenzene	11.104	284	196969	40.915	ng		99
69) Atrazine	11.180	200	158741	44.273	ng		98
70) Pentachlorophenol	11.292	266	118797	44.978	ng		99
71) Phenanthrene	11.516	178	871369	40.469	ng		100
72) Anthracene	11.569	178	887738	40.999	ng		100
73) Carbazole	11.716	167	791886	40.823	ng		99
74) Di-n-butylphthalate	12.051	149	820833	46.099	ng		100
75) Fluoranthene	12.704	202	824497	42.113	ng		100
77) Benzidine	12.816	184	350573	47.827	ng		98
78) Pyrene	12.933	202	820201	41.087	ng		100
80) Butylbenzylphthalate	13.551	149	172390	43.340	ng		100
81) Benzo(a)anthracene	14.121	228	583794	40.719	ng		100
82) 3,3'-Dichlorobenzidine	14.080	252	183371	44.044	ng		99
83) Chrysene	14.157	228	530018	40.139	ng		98
84) Bis(2-ethylhexyl)phtha...	14.110	149	239329	40.166	ng		99
85) Di-n-octyl phthalate	14.727	149	424959	38.648	ng		100
87) Indeno(1,2,3-cd)pyrene	17.186	276	744447	42.503	ng		100
88) Benzo(b)fluoranthene	15.192	252	594727	43.782	ng		100
89) Benzo(k)fluoranthene	15.221	252	513977	39.662	ng		99
90) Benzo(a)pyrene	15.574	252	548875	42.724	ng		99
91) Dibenzo(a,h)anthracene	17.203	278	611881	42.735	ng		99
92) Benzo(g,h,i)perylene	17.651	276	632939	43.359	ng		99

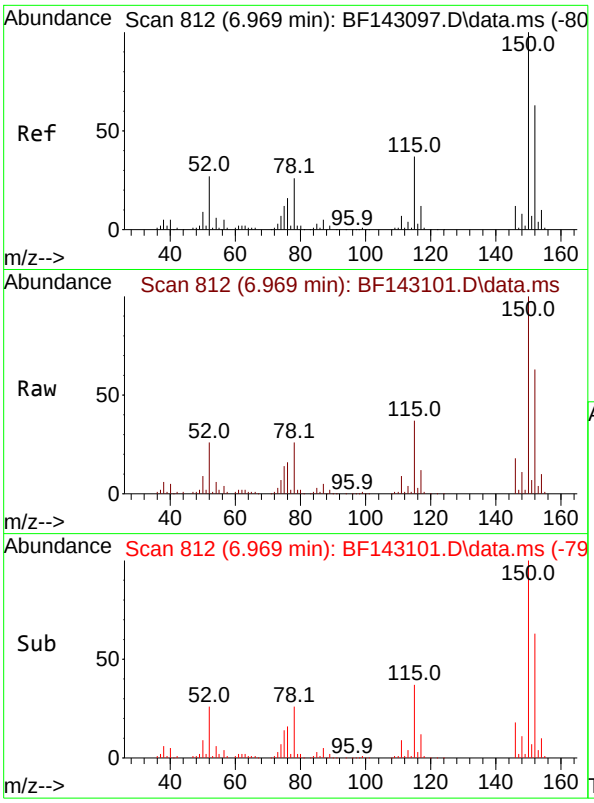
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071525\
Data File : BF143101.D
Acq On : 15 Jul 2025 17:27
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Quant Time: Jul 15 17:54:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



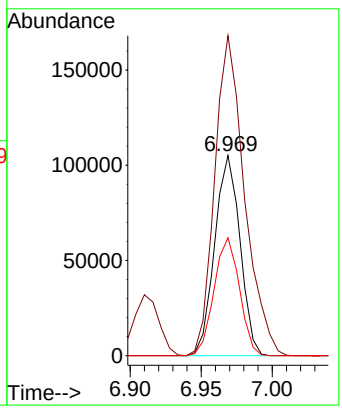


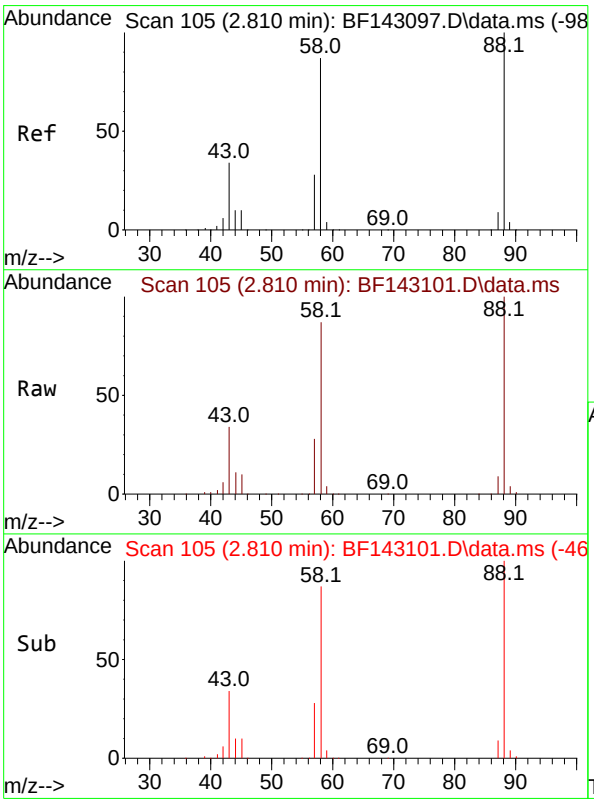
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:152 Resp: 130235

Ion	Ratio	Lower	Upper
152	100		
150	159.9	126.5	189.7
115	58.9	47.0	70.6

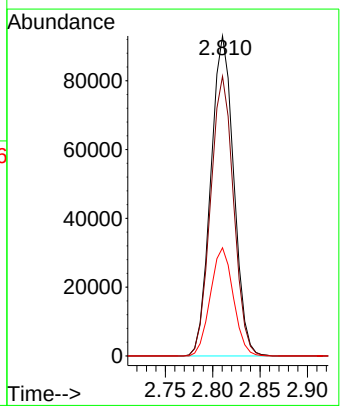


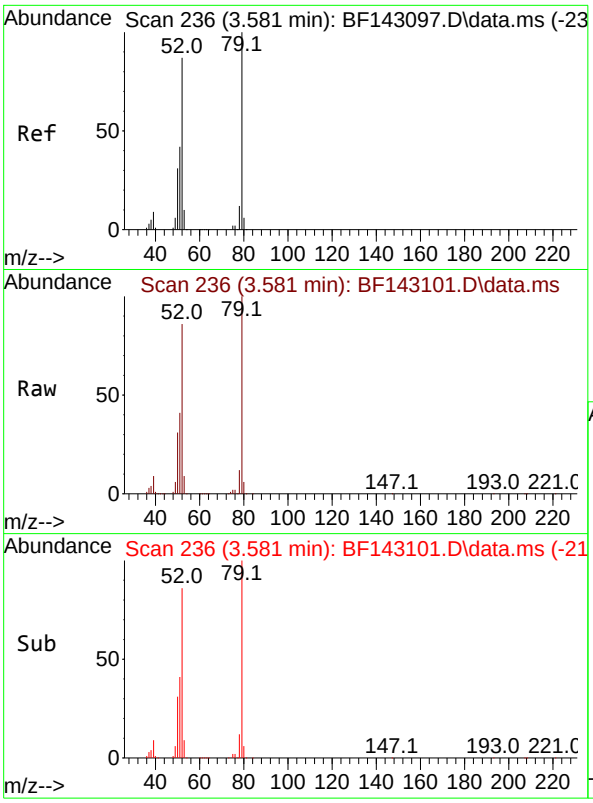


#2
1,4-Dioxane
Concen: 38.242 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 88 Resp: 156917

Ion	Ratio	Lower	Upper
88	100		
58	87.3	70.5	105.7
43	33.7	27.3	40.9



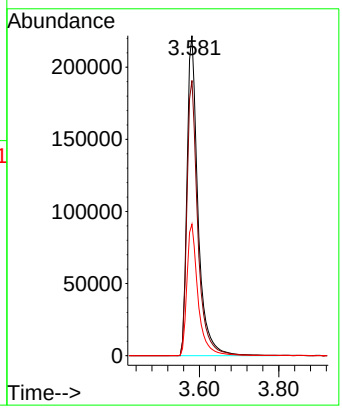


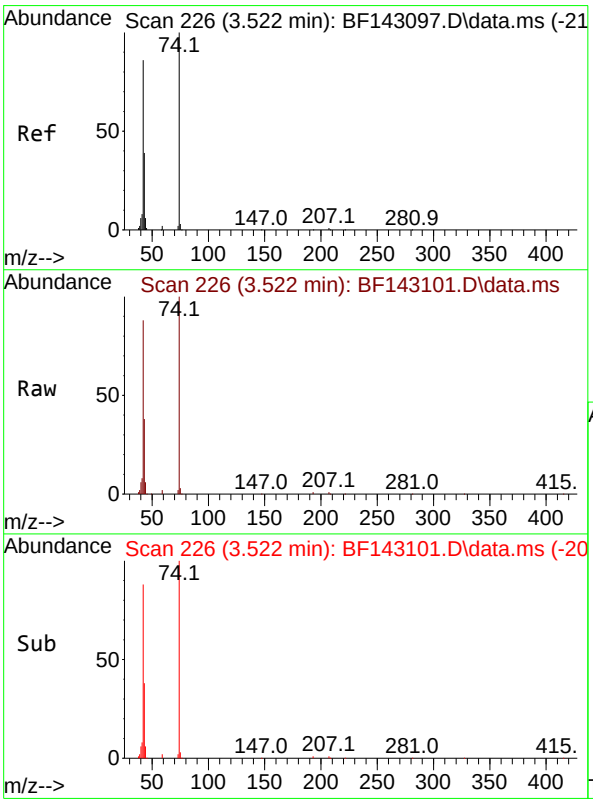
#3
Pyridine
Concen: 41.009 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 79 Resp: 426106

Ion	Ratio	Lower	Upper
79	100		
52	86.0	69.2	103.8
51	41.1	33.3	49.9

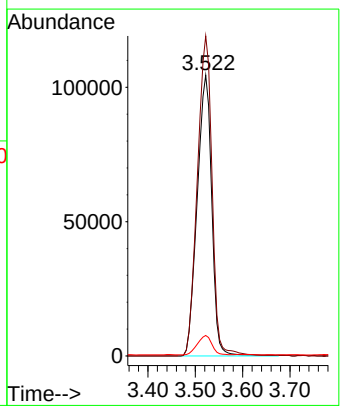


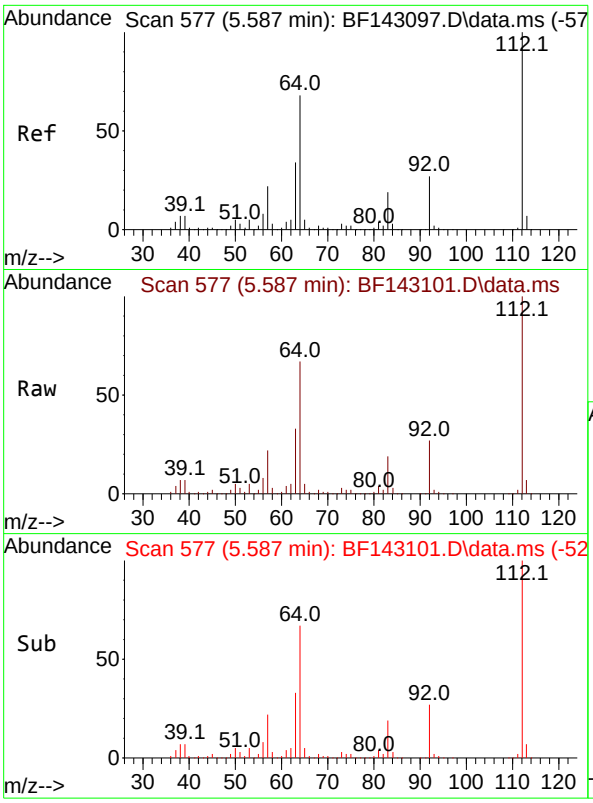


#4
n-Nitrosodimethylamine
Concen: 41.468 ng
RT: 3.522 min Scan# 226
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 42 Resp: 223240

Ion	Ratio	Lower	Upper
42	100		
74	114.0	92.8	139.2
44	7.3	5.8	8.6



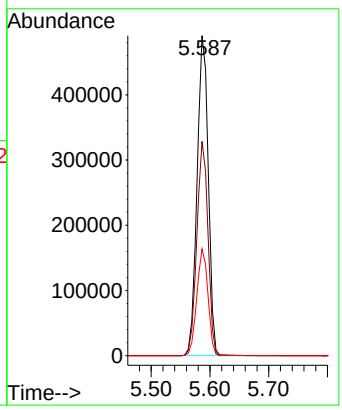


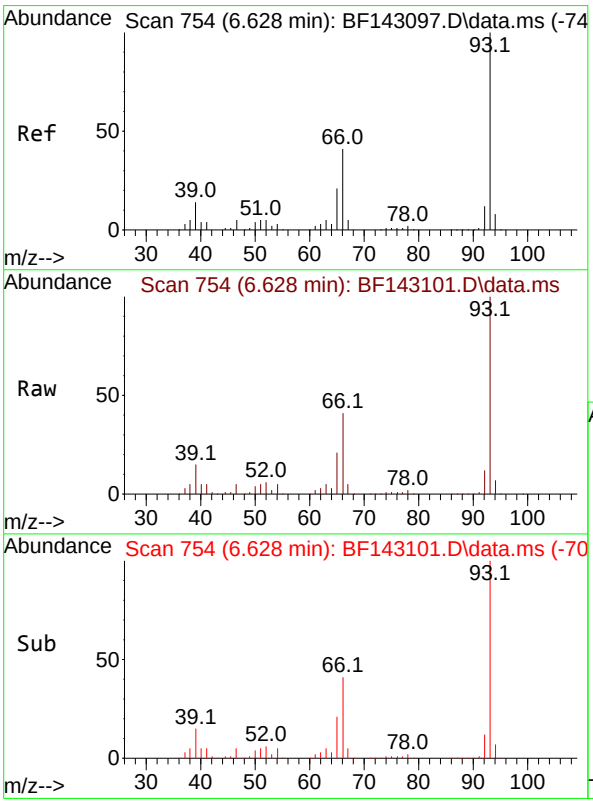
#5
2-Fluorophenol
Concen: 78.799 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:112 Resp: 649544

Ion	Ratio	Lower	Upper
112	100		
64	67.0	54.6	82.0
63	33.4	27.3	40.9

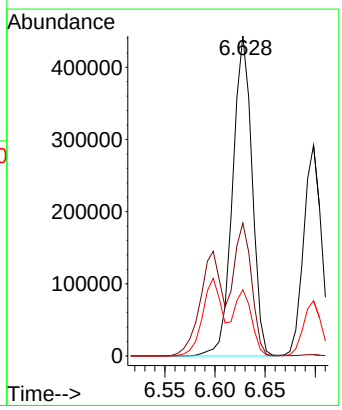


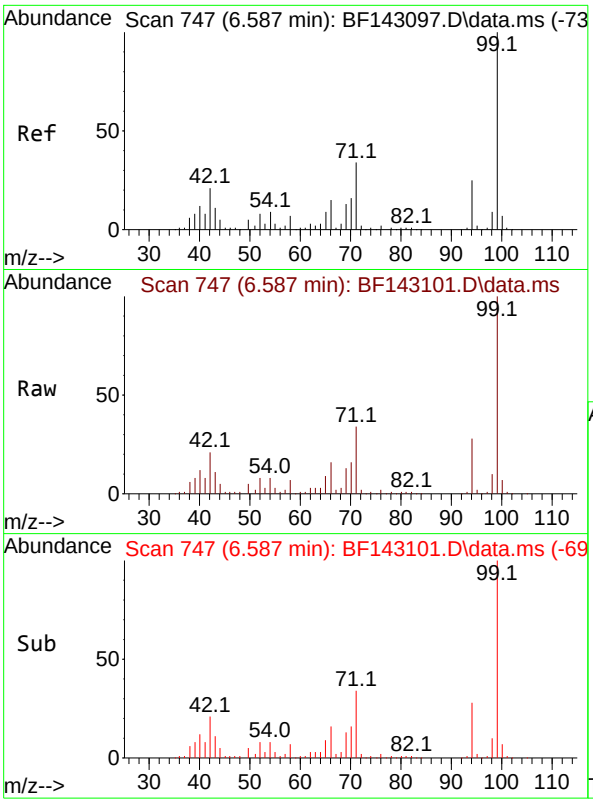


#6
Aniline
Concen: 41.038 ng
RT: 6.628 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 598787

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.1	49.7
65	20.7	16.9	25.3



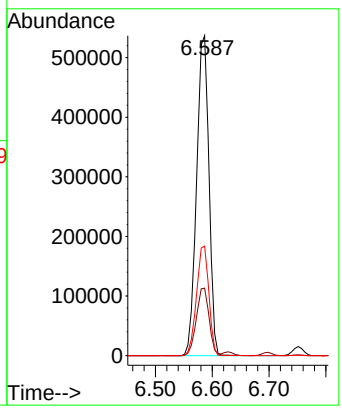


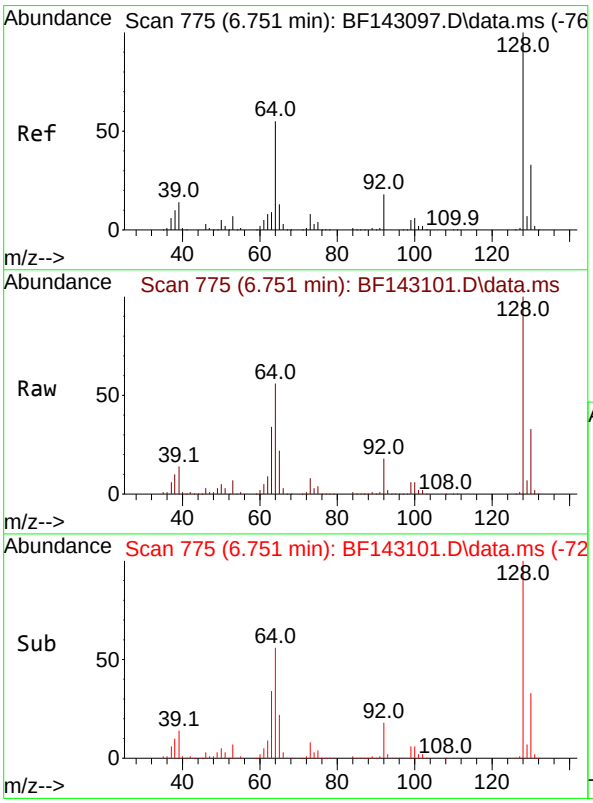
#7
Phenol-d6
Concen: 78.598 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 99 Resp: 814393

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.2	25.8
71	34.2	27.4	41.0

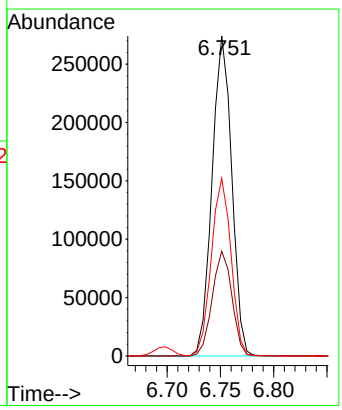


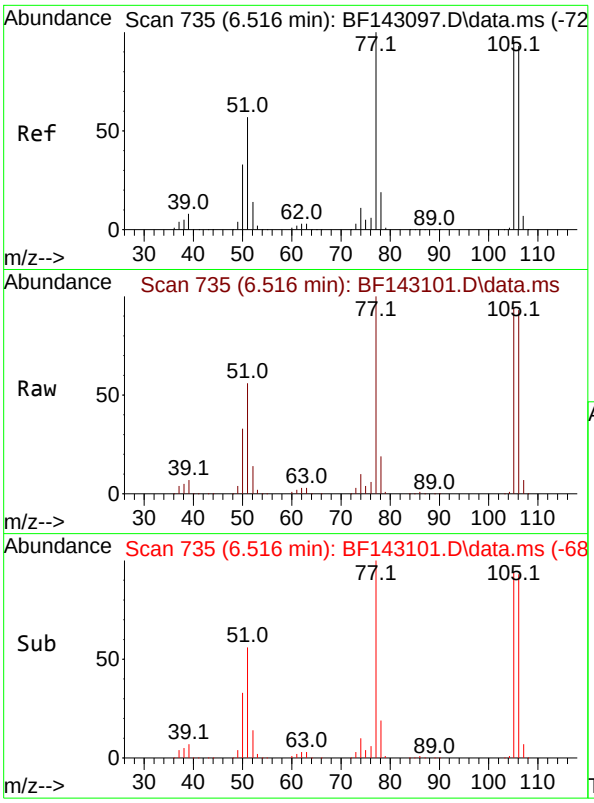


#8
2-Chlorophenol
Concen: 42.397 ng
RT: 6.751 min Scan# 775
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:128 Resp: 351129

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.8	52.8
64	55.5	36.1	76.1



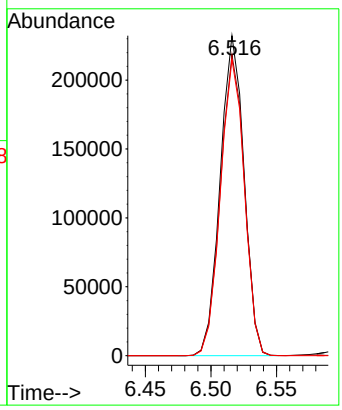


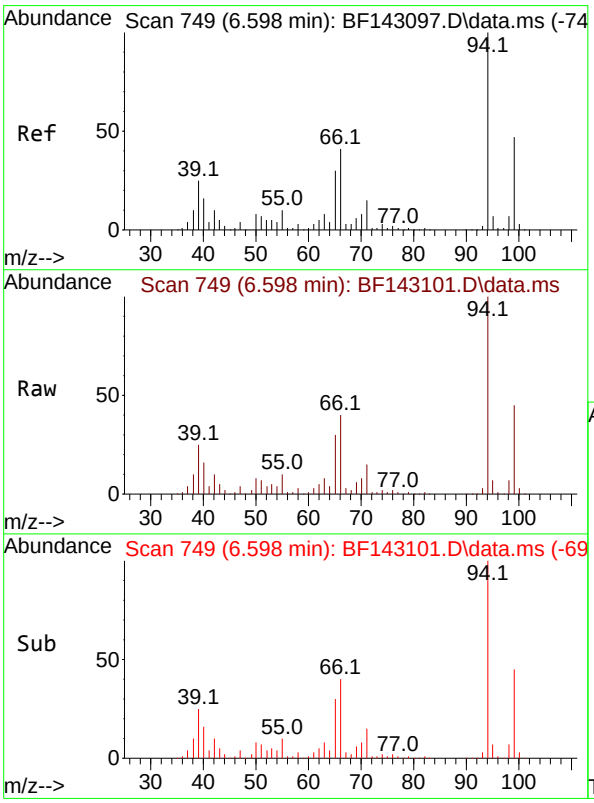
#9
Benzaldehyde
Concen: 37.115 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 77 Resp: 293033

Ion	Ratio	Lower	Upper
77	100		
105	94.0	76.3	116.3
106	92.5	72.8	112.8

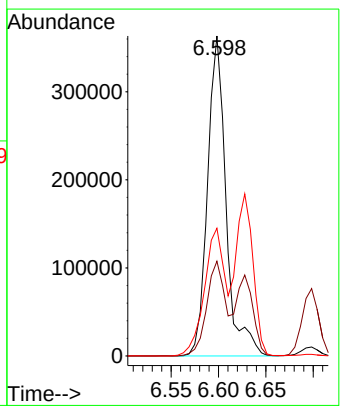


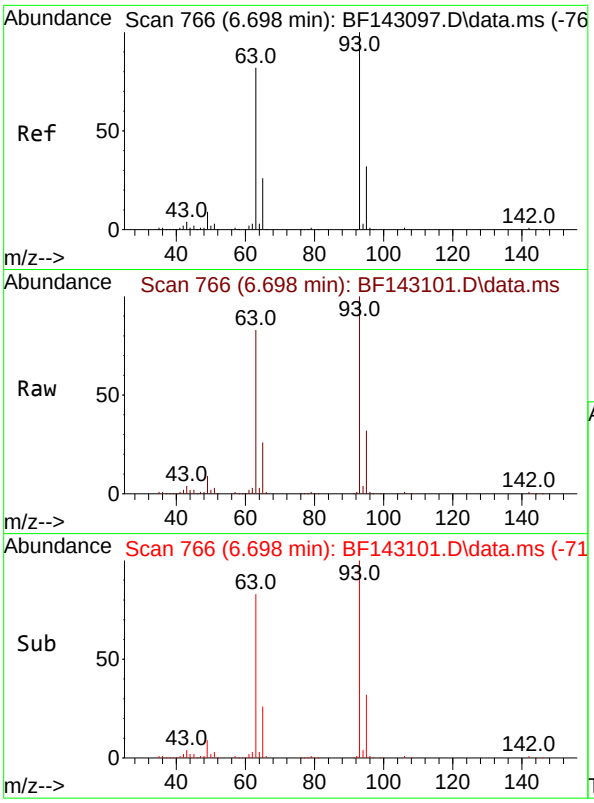


#10
Phenol
Concen: 44.065 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 94 Resp: 494279

Ion	Ratio	Lower	Upper
94	100		
65	29.6	9.8	49.8
66	39.9	20.5	60.5



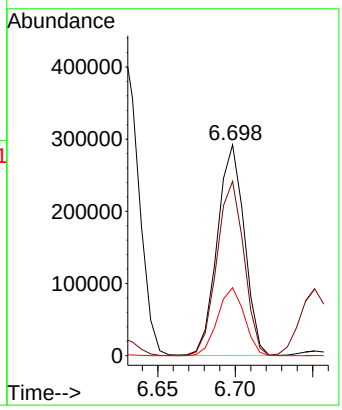


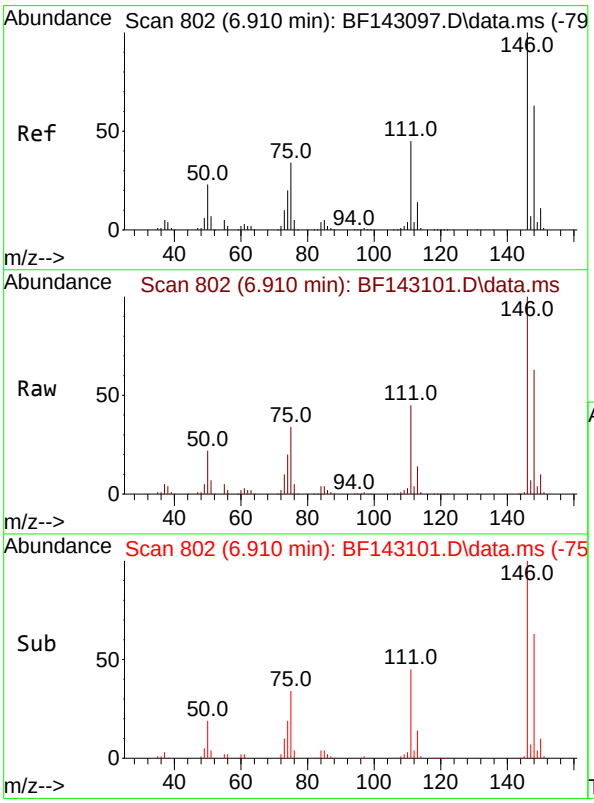
#11
bis(2-Chloroethyl)ether
Concen: 40.848 ng
RT: 6.698 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 93 Resp: 354713

Ion	Ratio	Lower	Upper
93	100		
63	82.7	61.9	101.9
95	32.3	12.2	52.2

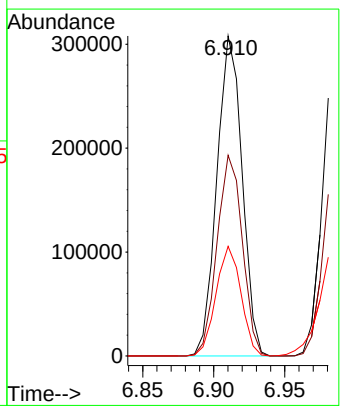


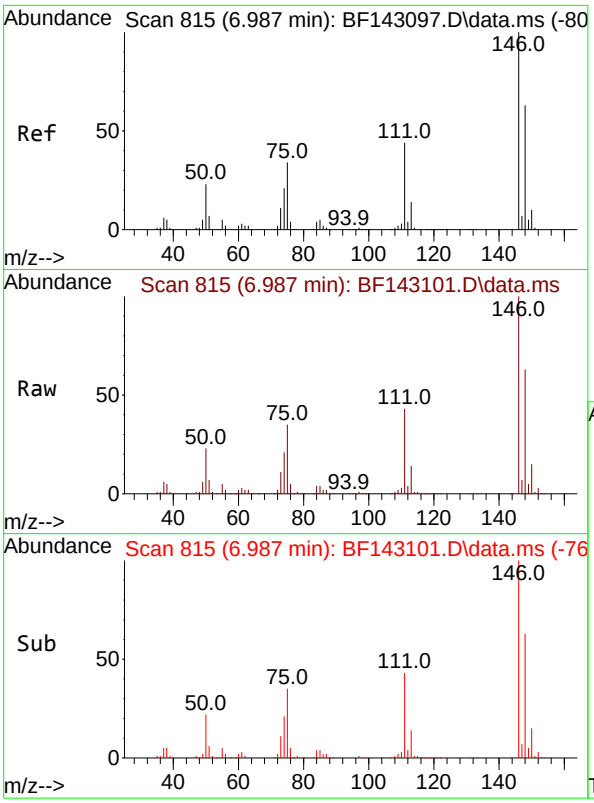


#12
1,3-Dichlorobenzene
Concen: 40.694 ng
RT: 6.910 min Scan# 802
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 380756

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.1	75.1
75	34.2	27.4	41.0



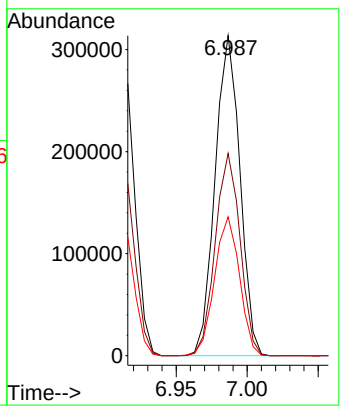


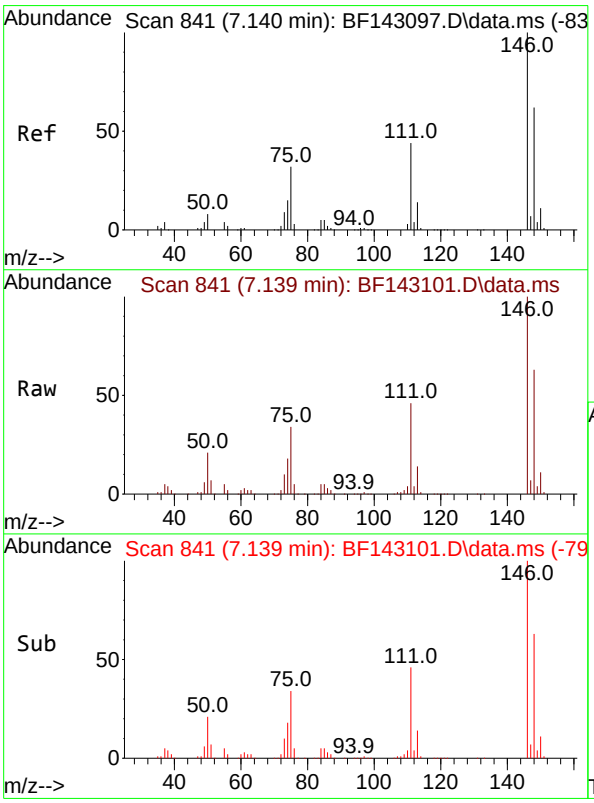
#13
1,4-Dichlorobenzene
Concen: 40.539 ng
RT: 6.987 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:146 Resp: 381590

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
111	43.4	35.0	52.6

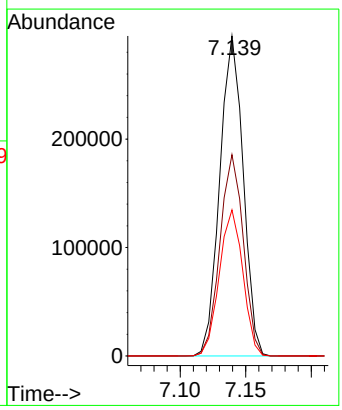


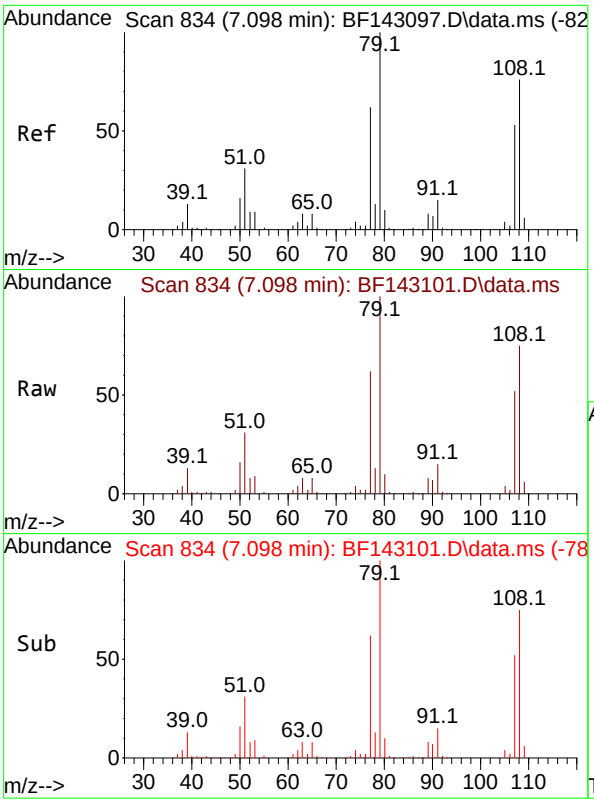


#14
1,2-Dichlorobenzene
Concen: 40.782 ng
RT: 7.139 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:146 Resp: 366082

Ion	Ratio	Lower	Upper
146	100		
148	62.9	49.8	74.6
111	45.7	35.4	53.0



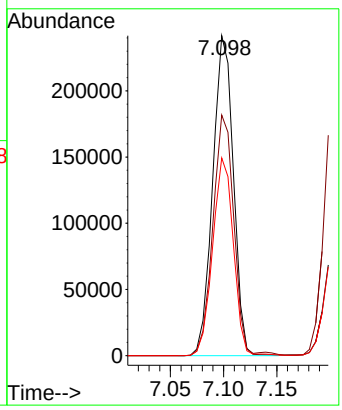


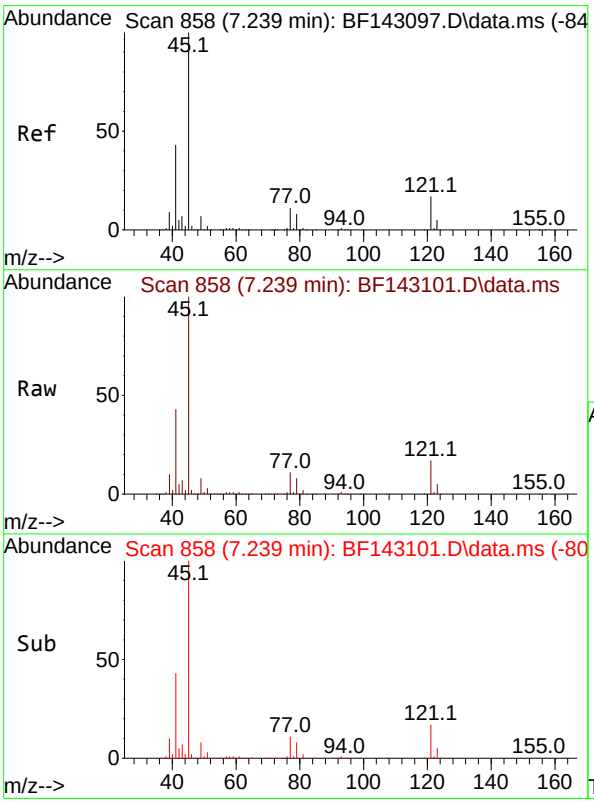
#15
Benzyl Alcohol
Concen: 42.336 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 79 Resp: 325035

Ion	Ratio	Lower	Upper
79	100		
108	75.2	61.1	91.7
77	61.8	49.9	74.9

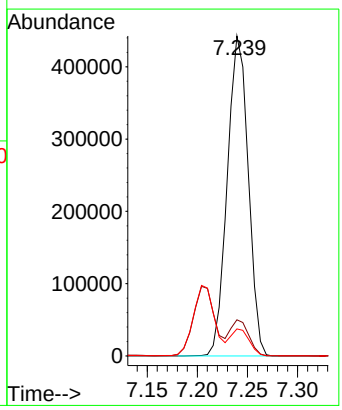


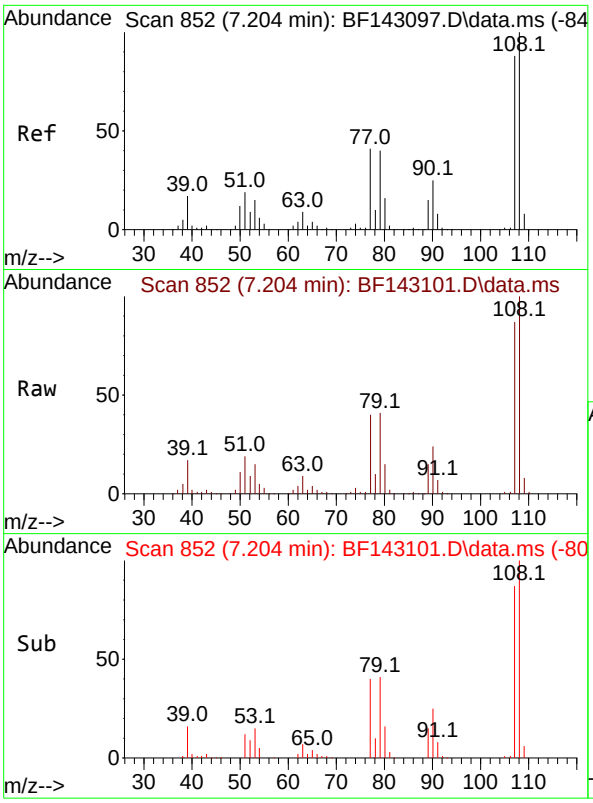


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.273 ng
RT: 7.239 min Scan# 858
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 45 Resp: 644651

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.1
79	8.4	0.0	28.4



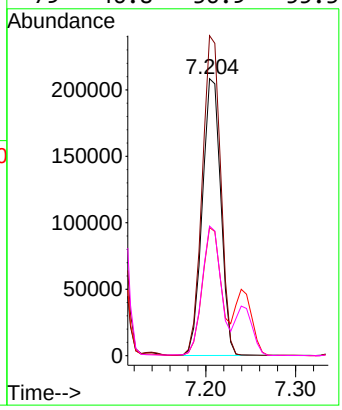


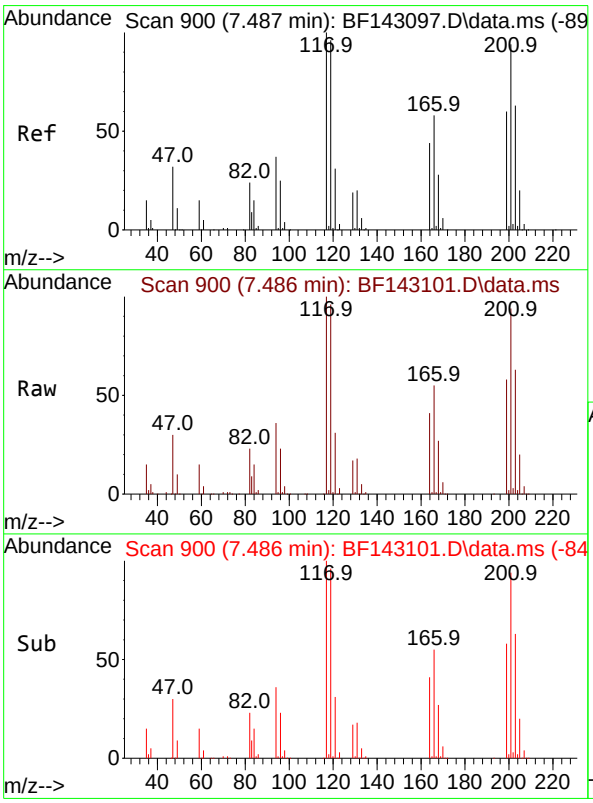
#17
2-Methylphenol
Concen: 41.532 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:107 Resp: 296835

Ion	Ratio	Lower	Upper
107	100		
108	115.5	90.9	136.3
77	46.3	37.5	56.3
79	46.8	36.9	55.3

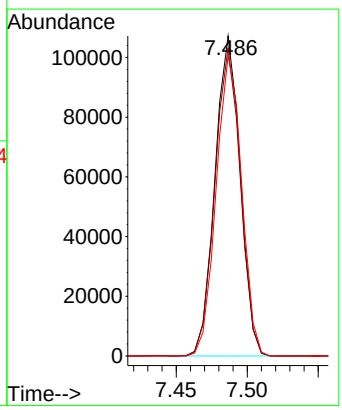


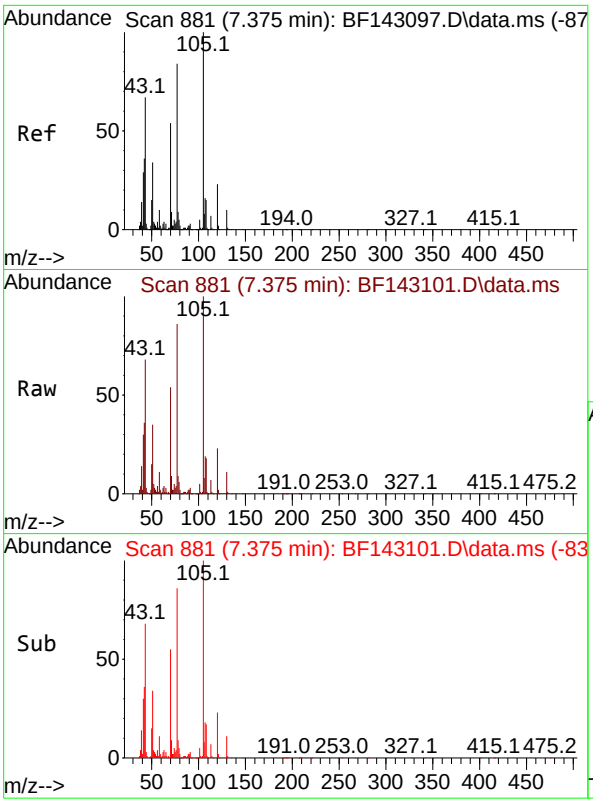


#18
Hexachloroethane
Concen: 43.239 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:117 Resp: 132499

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.7	115.1
201	93.9	75.0	112.4



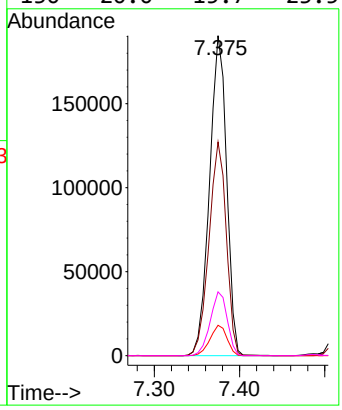


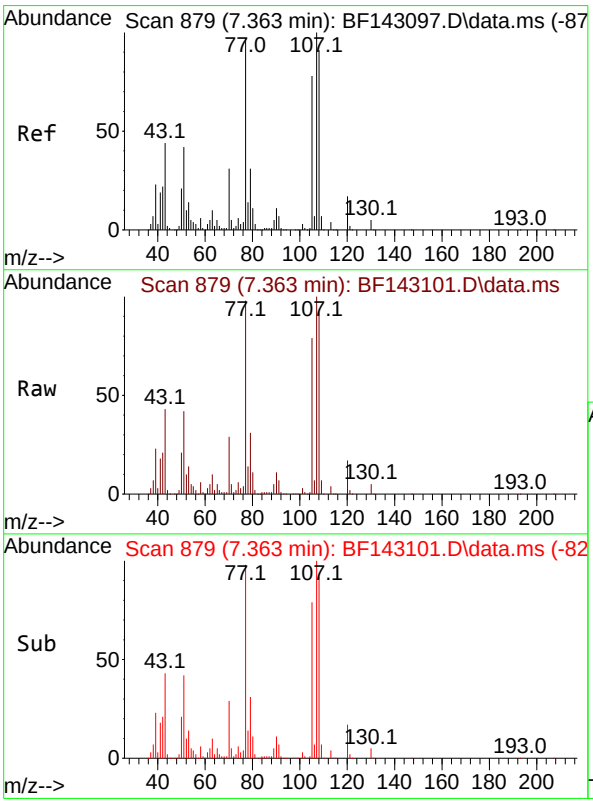
#19
n-Nitroso-di-n-propylamine
Concen: 41.982 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 70 Resp: 266499

Ion	Ratio	Lower	Upper
70	100		
42	66.7	53.2	79.8
101	9.5	7.5	11.3
130	20.0	15.7	23.5

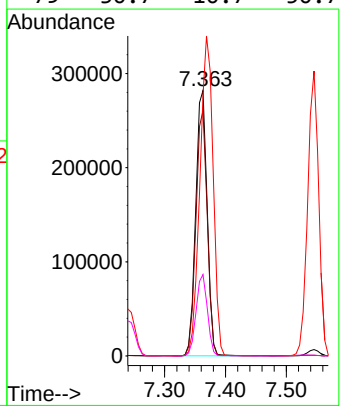


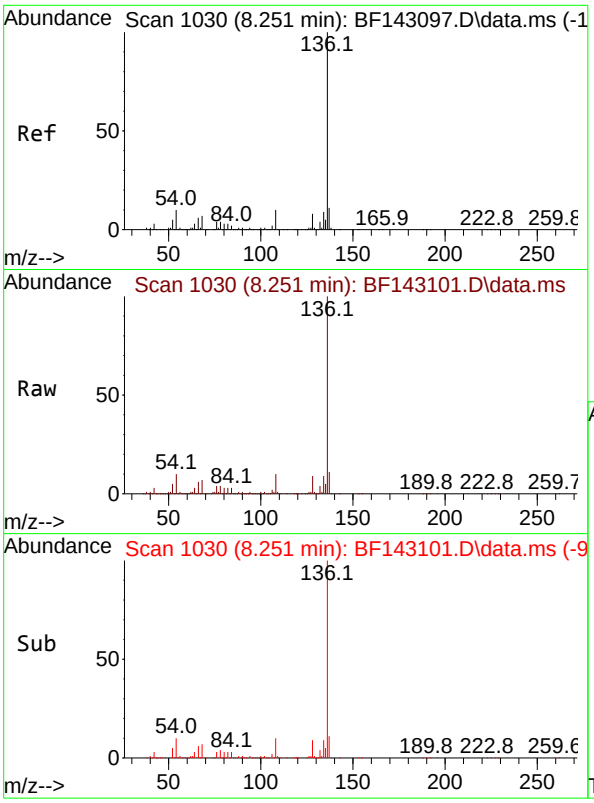


#20
3+4-Methylphenols
Concen: 42.057 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 368618

Ion	Ratio	Lower	Upper
107	100		
108	92.5	71.3	111.3
77	98.3	77.2	117.2
79	30.7	10.7	50.7



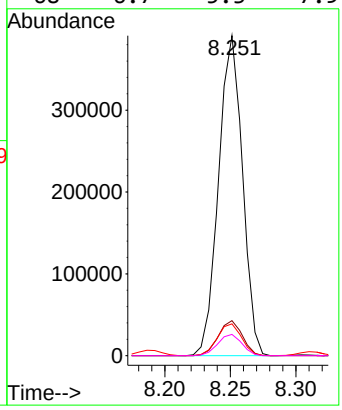


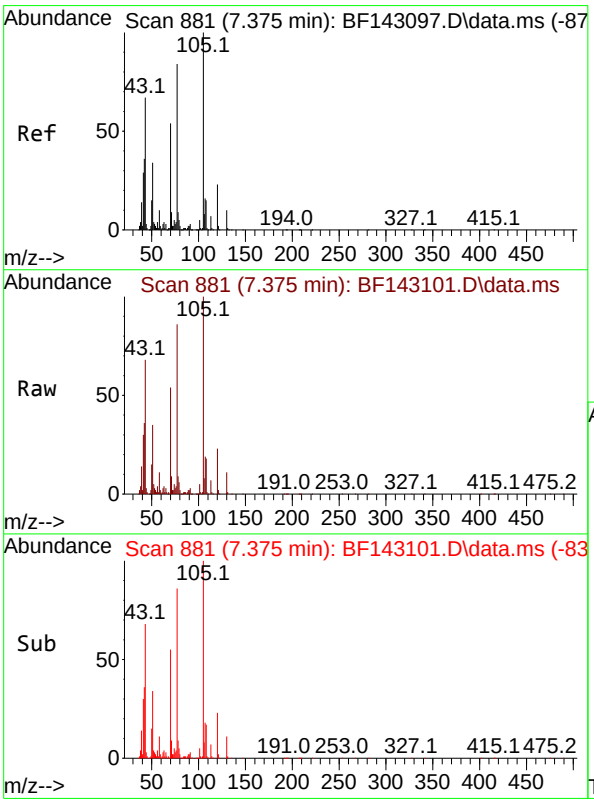
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:136 Resp: 496378

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.9	8.3	12.5
68	6.7	5.3	7.9

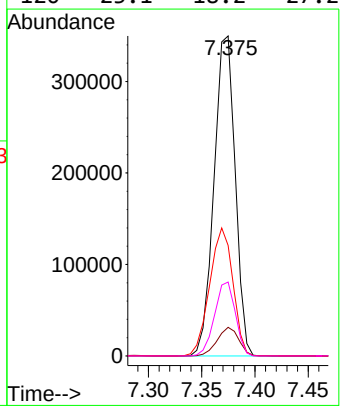


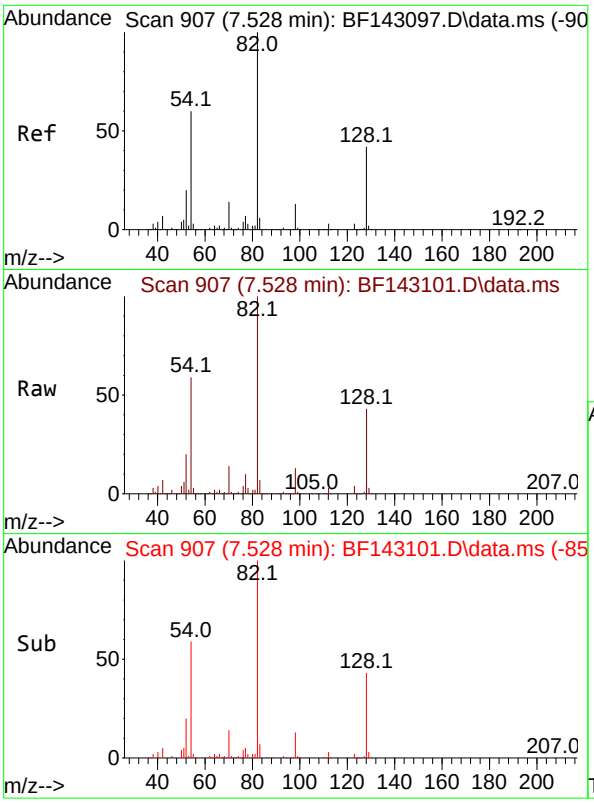


#22
Acetophenone
Concen: 40.351 ng
RT: 7.375 min Scan# 881
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:105 Resp: 482823

Ion	Ratio	Lower	Upper
105	100		
71	9.0	7.2	10.8
51	34.6	27.0	40.4
120	23.1	18.2	27.2



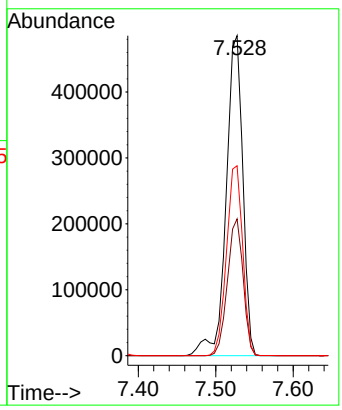


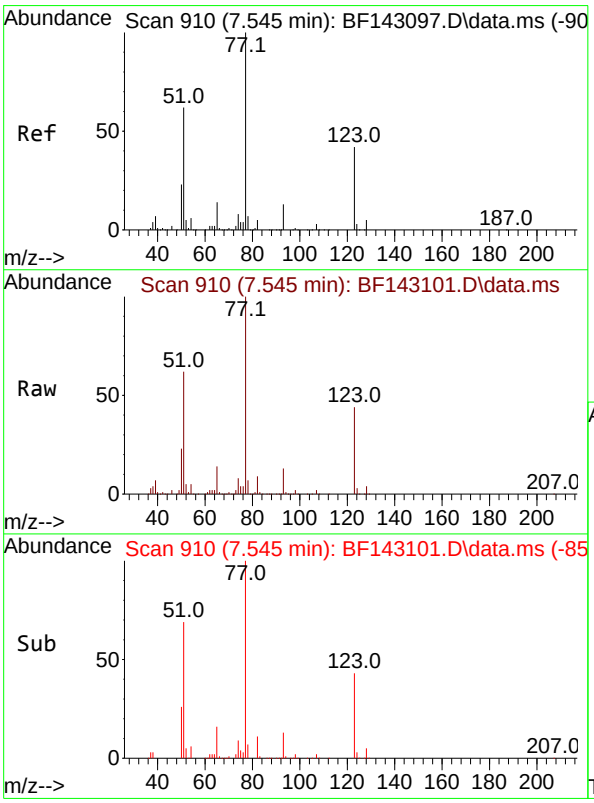
#23
Nitrobenzene-d5
Concen: 82.157 ng
RT: 7.528 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 82 Resp: 726961

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.3	49.9
54	59.4	47.4	71.2

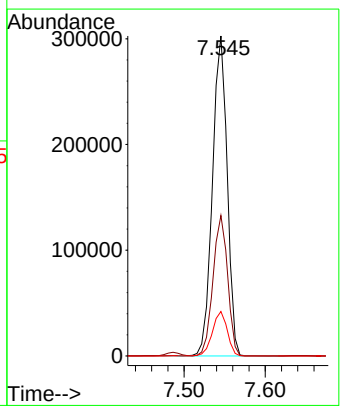


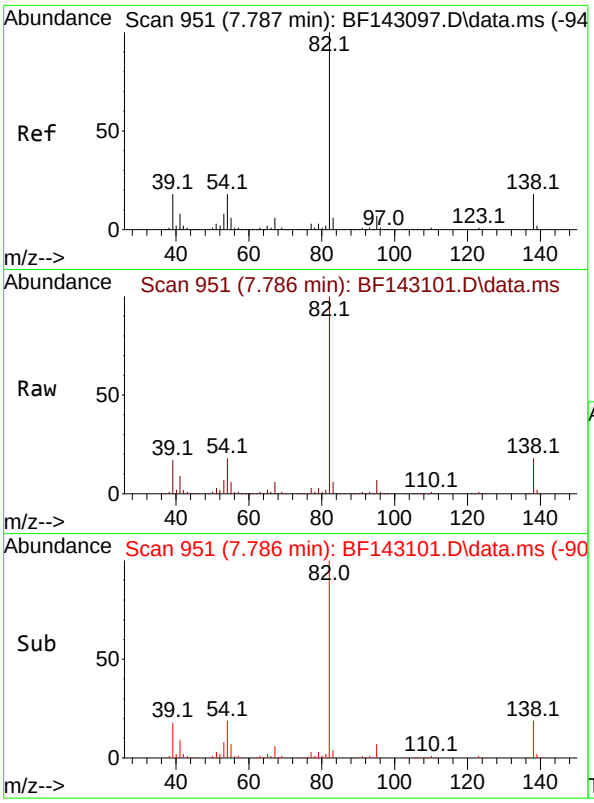


#24
Nitrobenzene
Concen: 44.647 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 77 Resp: 381374

Ion	Ratio	Lower	Upper
77	100		
123	43.9	34.5	51.7
65	13.9	11.3	16.9



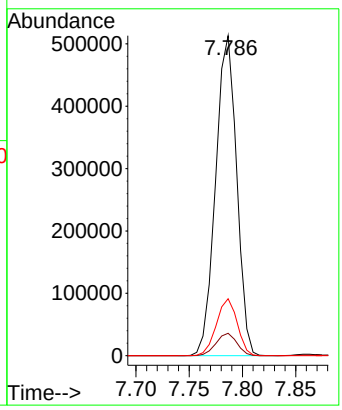


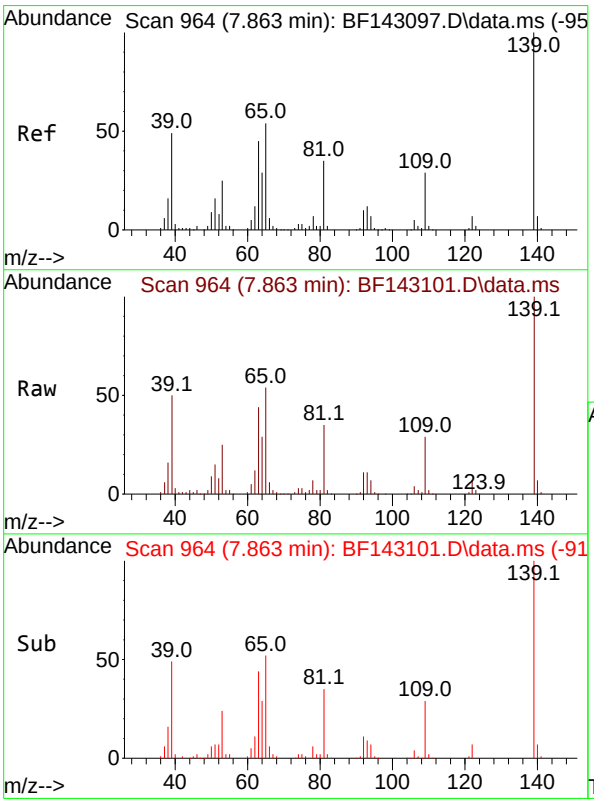
#25
Isophorone
Concen: 41.188 ng
RT: 7.786 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 82 Resp: 704424

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.8	14.3	21.5

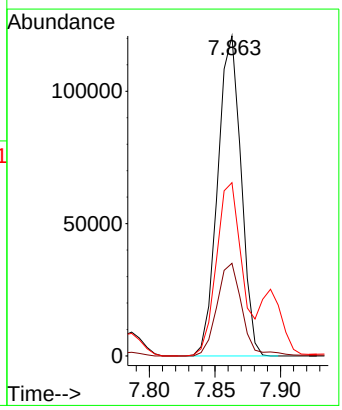


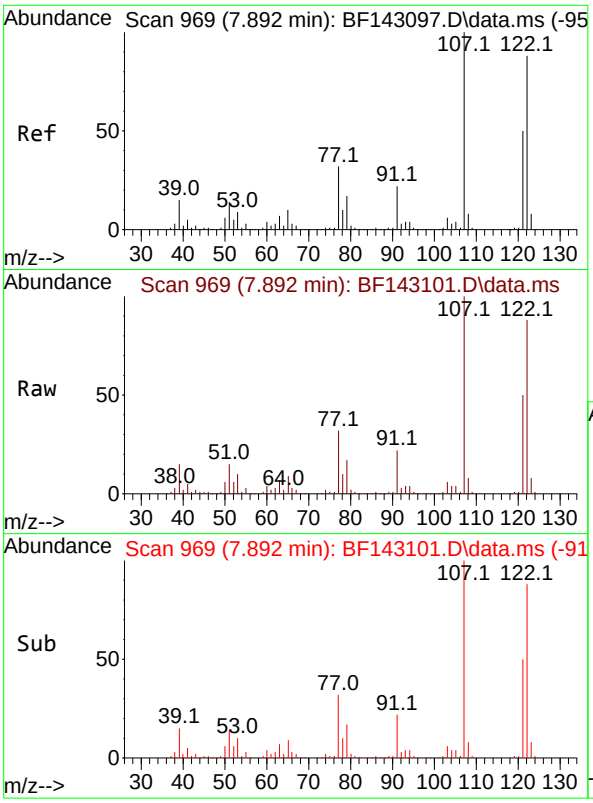


#26
2-Nitrophenol
Concen: 44.317 ng
RT: 7.863 min Scan# 964
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 150156

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.4	35.0
65	54.1	43.4	65.2



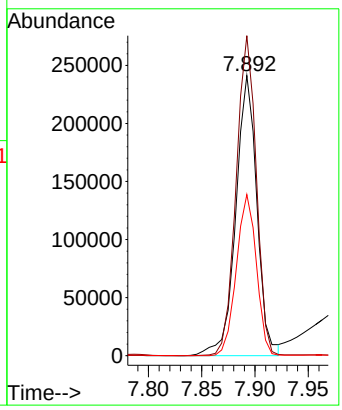


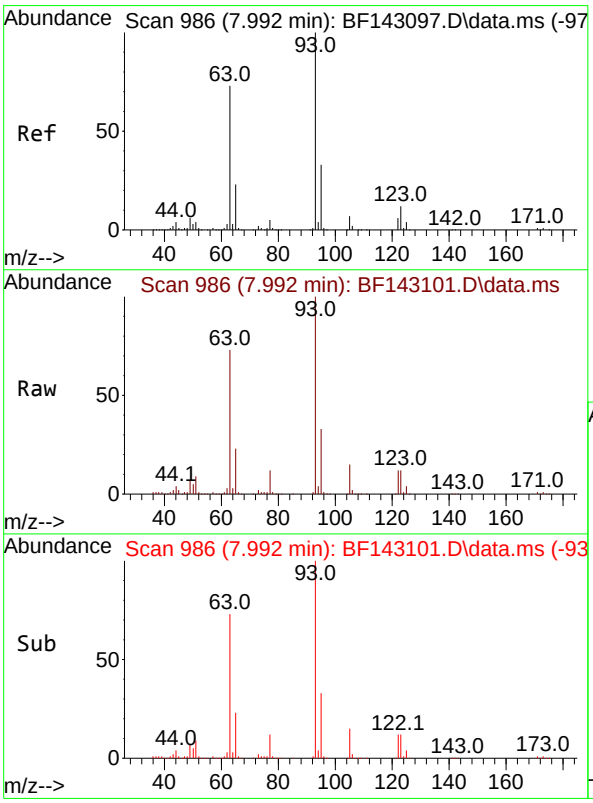
#27
2,4-Dimethylphenol
Concen: 42.064 ng
RT: 7.892 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:122 Resp: 333899

Ion	Ratio	Lower	Upper
122	100		
107	114.2	91.3	136.9
121	57.5	45.5	68.3

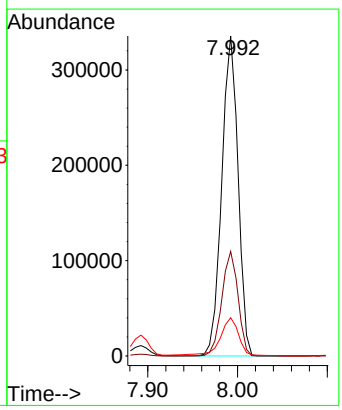


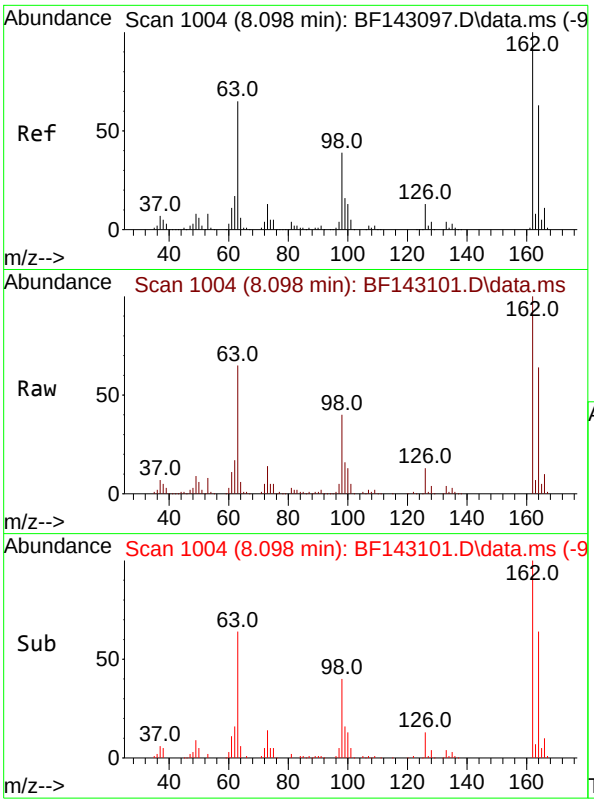


#28
bis(2-Chloroethoxy)methane
Concen: 40.789 ng
RT: 7.992 min Scan# 986
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 93 Resp: 423022

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	11.9	9.6	14.4



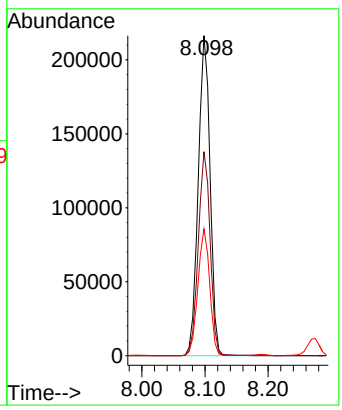


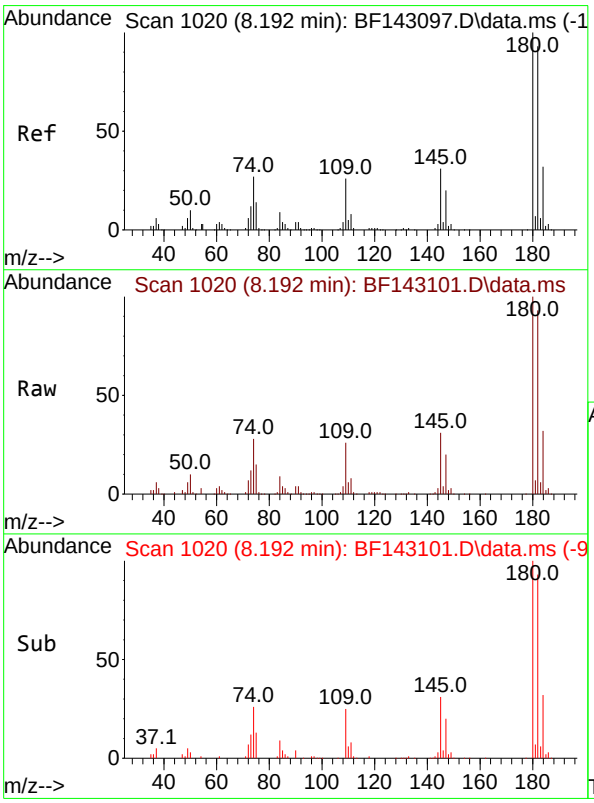
#29
2,4-Dichlorophenol
Concen: 43.580 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:162 Resp: 283011

Ion	Ratio	Lower	Upper
162	100		
164	63.7	43.1	83.1
98	39.6	19.2	59.2

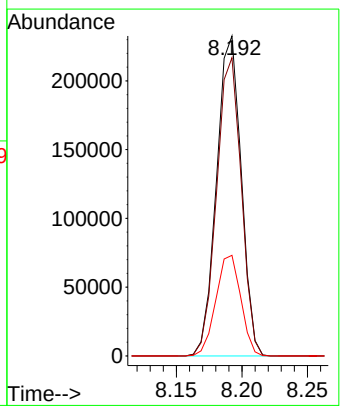


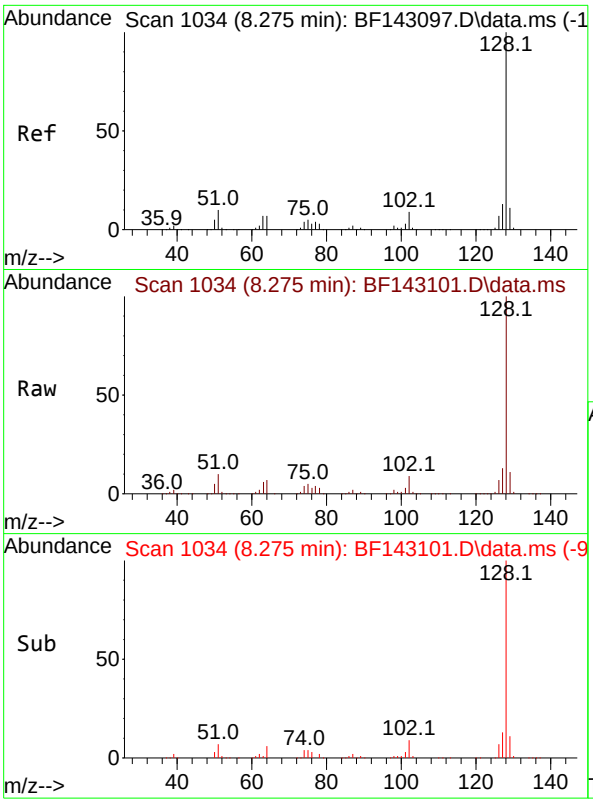


#30
1,2,4-Trichlorobenzene
Concen: 41.194 ng
RT: 8.192 min Scan# 1020
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:180 Resp: 303602

Ion	Ratio	Lower	Upper
180	100		
182	93.2	74.7	112.1
145	31.4	24.5	36.7



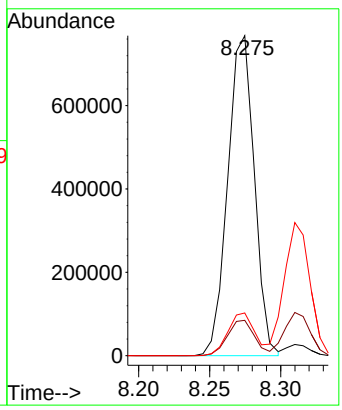


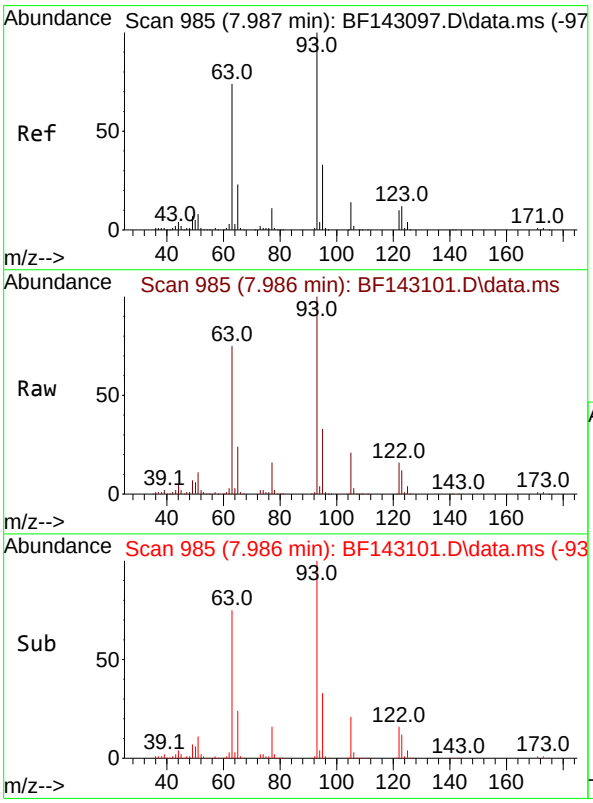
#31
Naphthalene
Concen: 40.543 ng
RT: 8.275 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:128 Resp: 999363

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.3	10.5	15.7

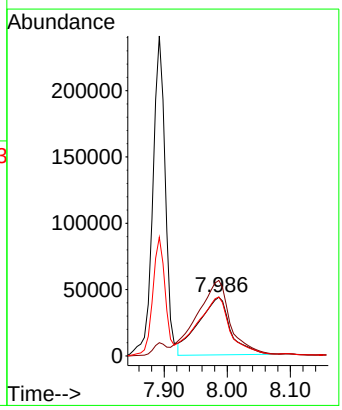


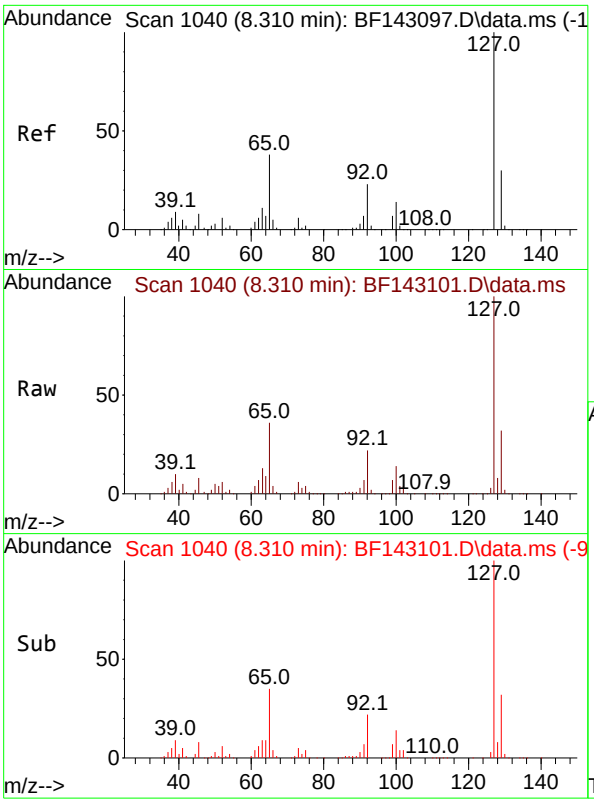


#32
Benzoic acid
Concen: 40.223 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.001 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:122 Resp: 154256

Ion	Ratio	Lower	Upper
122	100		
105	128.4	105.4	145.4
77	100.3	78.6	118.6



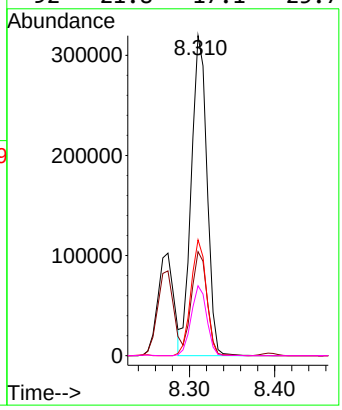


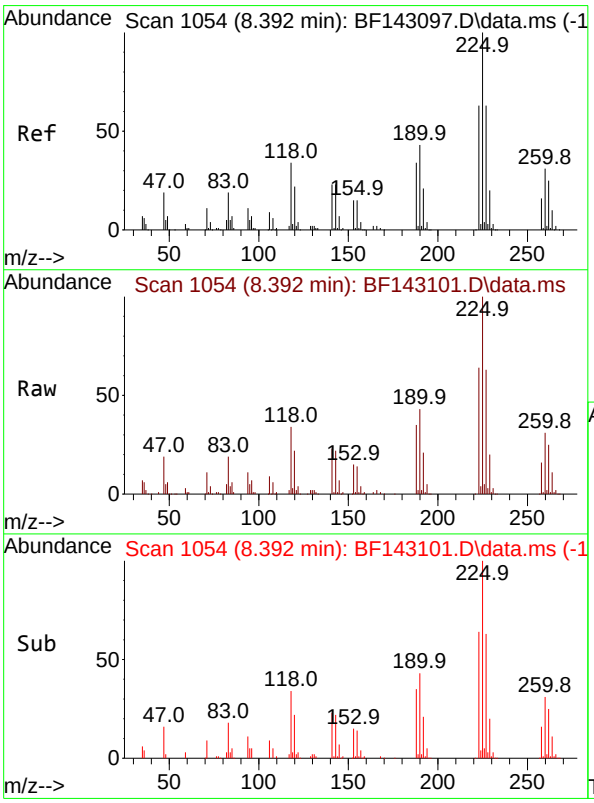
#33
4-Chloroaniline
Concen: 41.236 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:127 Resp: 408741

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.2	39.4
65	36.2	28.6	42.8
92	21.8	17.1	25.7

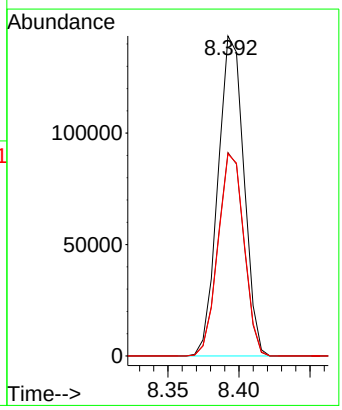


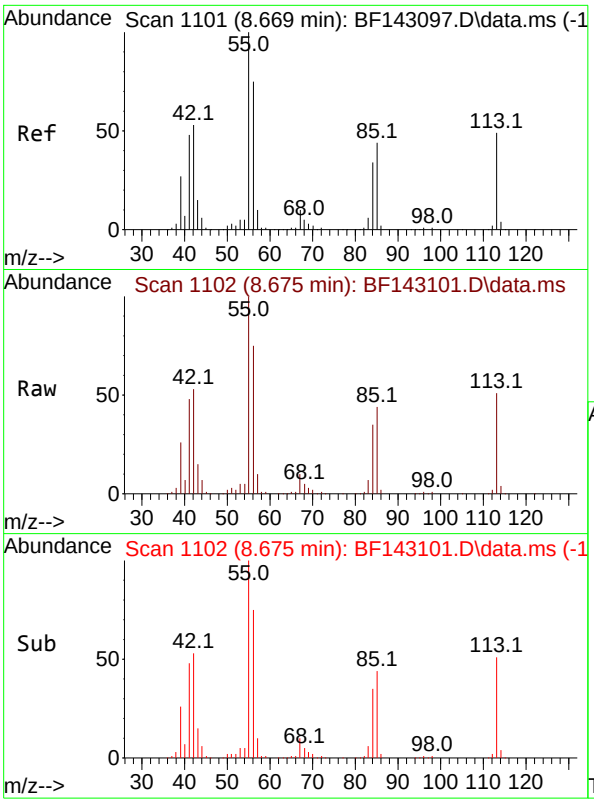


#34
Hexachlorobutadiene
Concen: 41.324 ng
RT: 8.392 min Scan# 1054
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:225 Resp: 182140

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.1	50.1	75.1



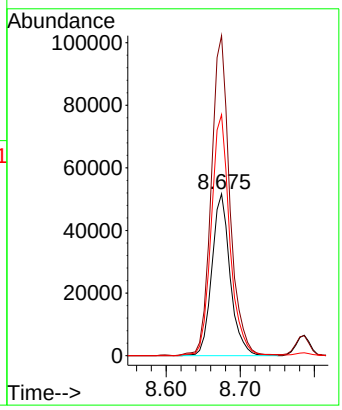


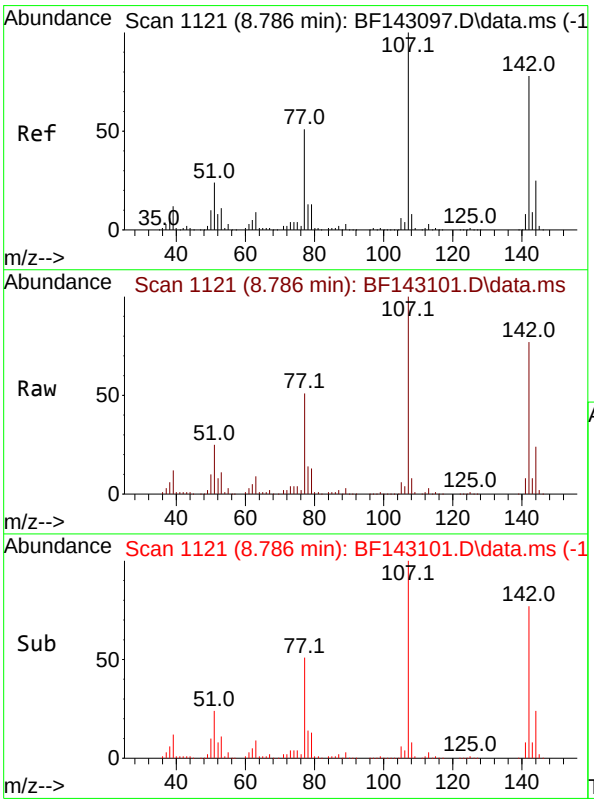
#35
Caprolactam
Concen: 43.536 ng
RT: 8.675 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:113 Resp: 88286

Ion	Ratio	Lower	Upper
113	100		
55	197.8	186.2	226.2
56	148.9	134.1	174.1

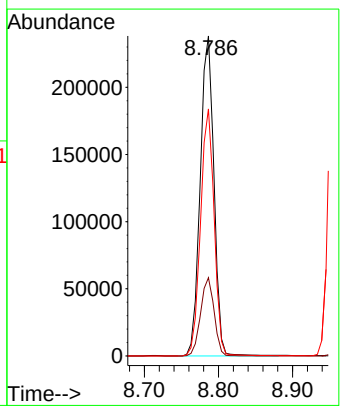


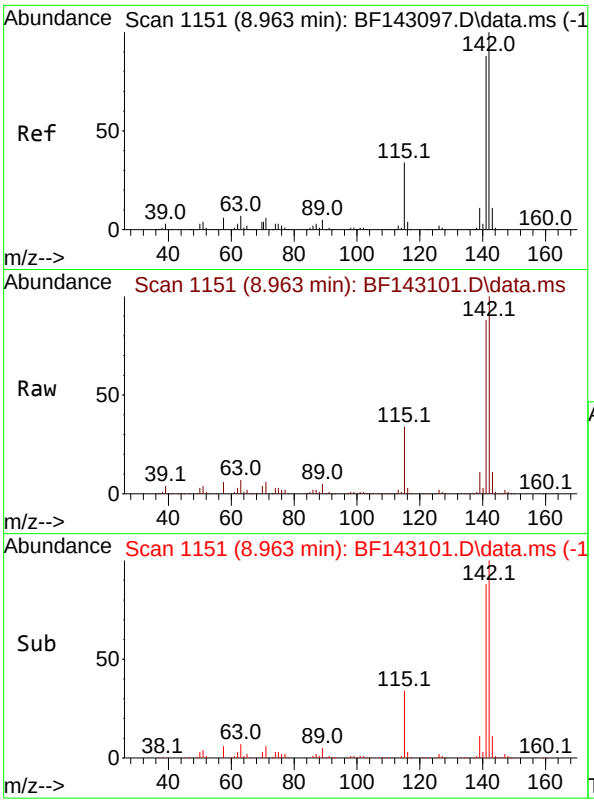


#36
4-Chloro-3-methylphenol
Concen: 42.387 ng
RT: 8.786 min Scan# 1121
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:107 Resp: 306624

Ion	Ratio	Lower	Upper
107	100		
144	24.4	20.2	30.2
142	77.2	62.4	93.6



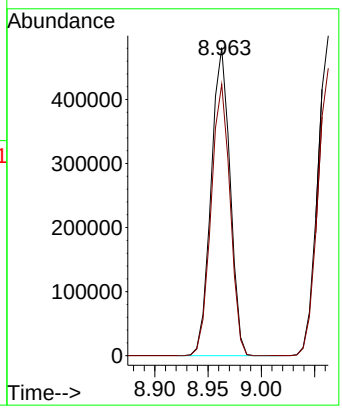


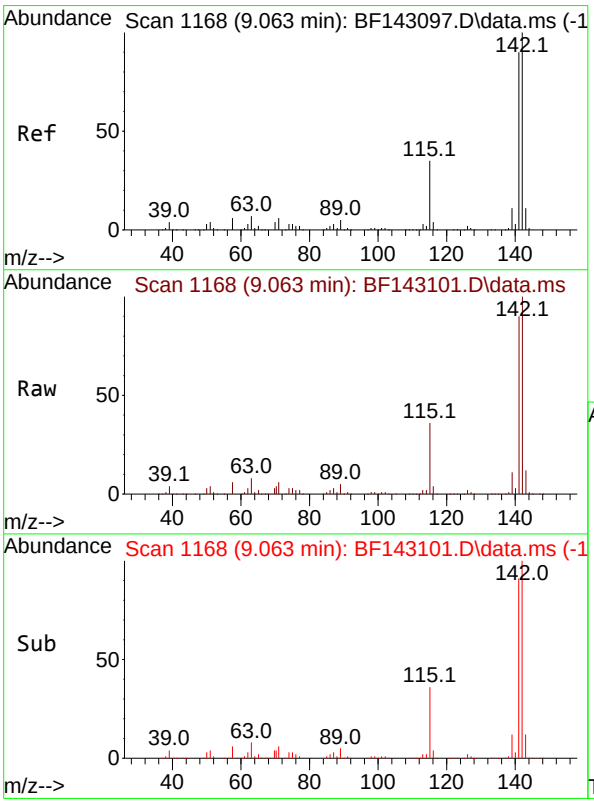
#37
2-Methylnaphthalene
Concen: 40.654 ng
RT: 8.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:142 Resp: 597819

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.2	105.2

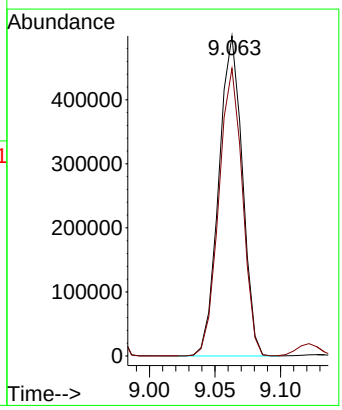


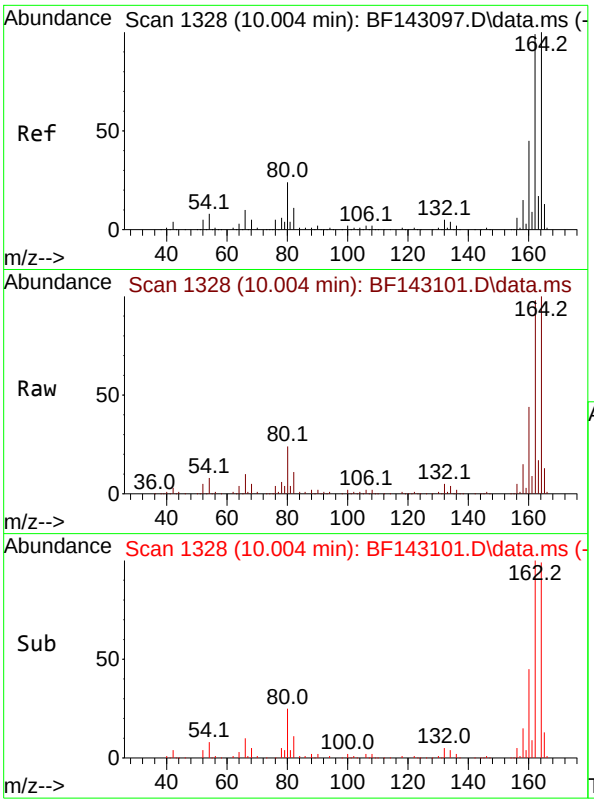


#38
1-Methylnaphthalene
Concen: 40.922 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:142 Resp: 624130

Ion	Ratio	Lower	Upper
142	100		
141	89.9	72.2	108.4



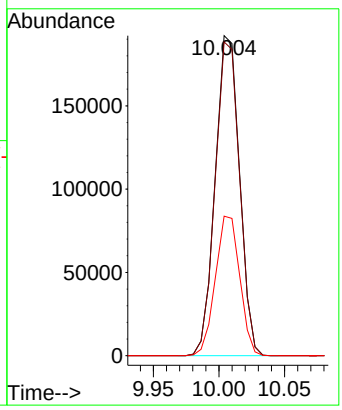


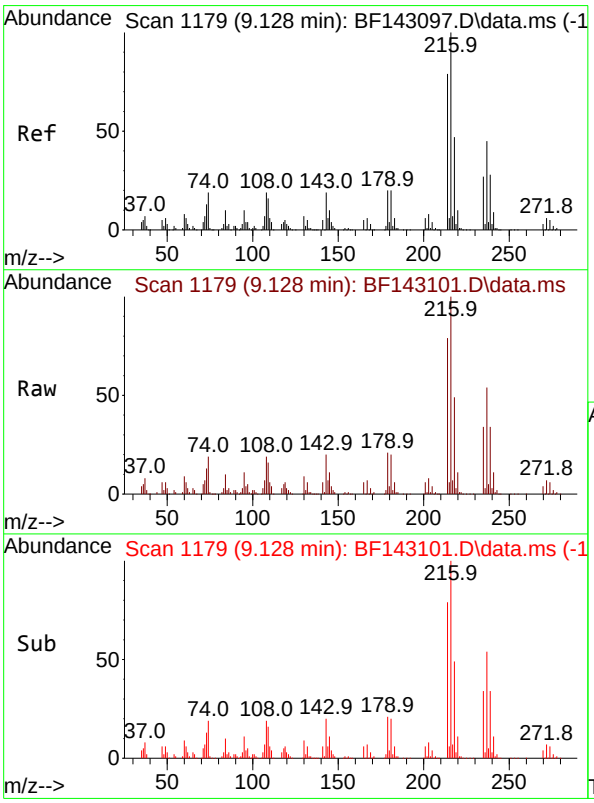
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:164 Resp: 248221

Ion	Ratio	Lower	Upper
164	100		
162	98.1	79.0	118.6
160	43.6	35.8	53.6

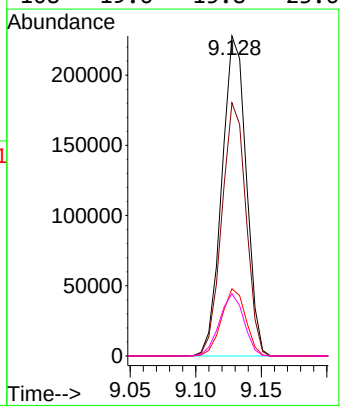


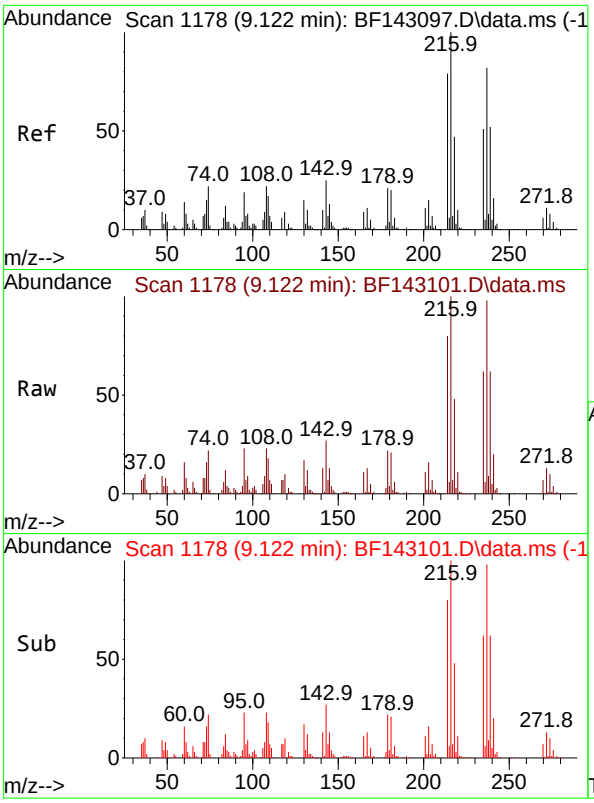


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.531 ng
RT: 9.128 min Scan# 1179
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:216 Resp: 293187

Ion	Ratio	Lower	Upper
216	100		
214	78.6	62.6	94.0
179	20.8	16.2	24.2
108	19.6	15.8	23.6



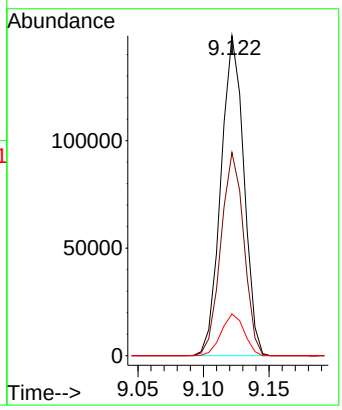


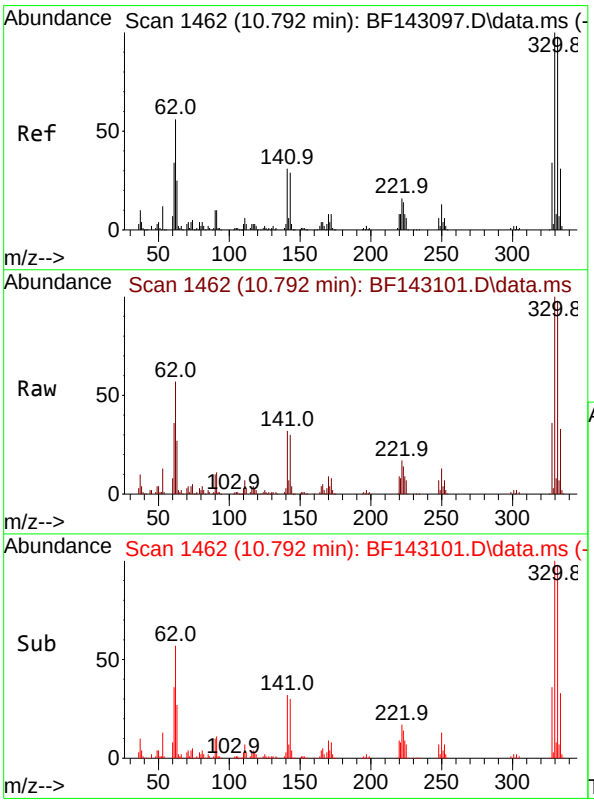
#41
Hexachlorocyclopentadiene
Concen: 45.086 ng
RT: 9.122 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:237 Resp: 180819

Ion	Ratio	Lower	Upper
237	100		
235	63.5	41.6	81.6
272	13.0	0.0	32.9

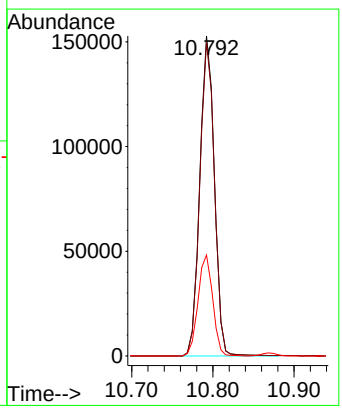


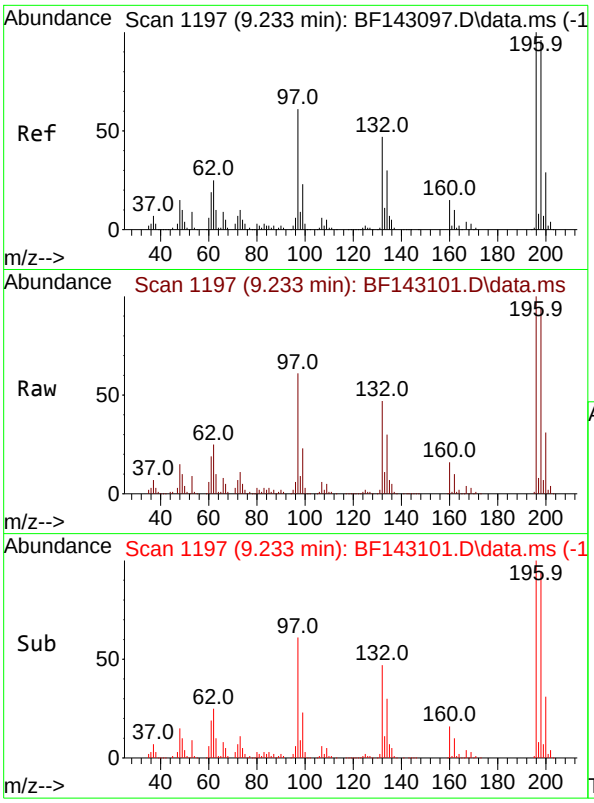


#42
2,4,6-Tribromophenol
Concen: 85.971 ng
RT: 10.792 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:330 Resp: 190277

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.9	116.9
141	31.8	25.9	38.9



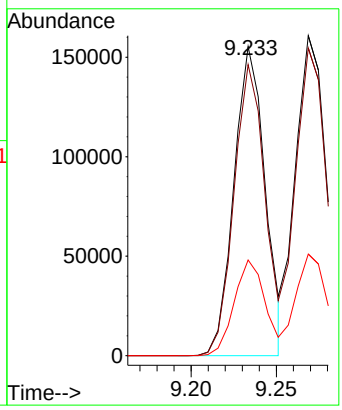


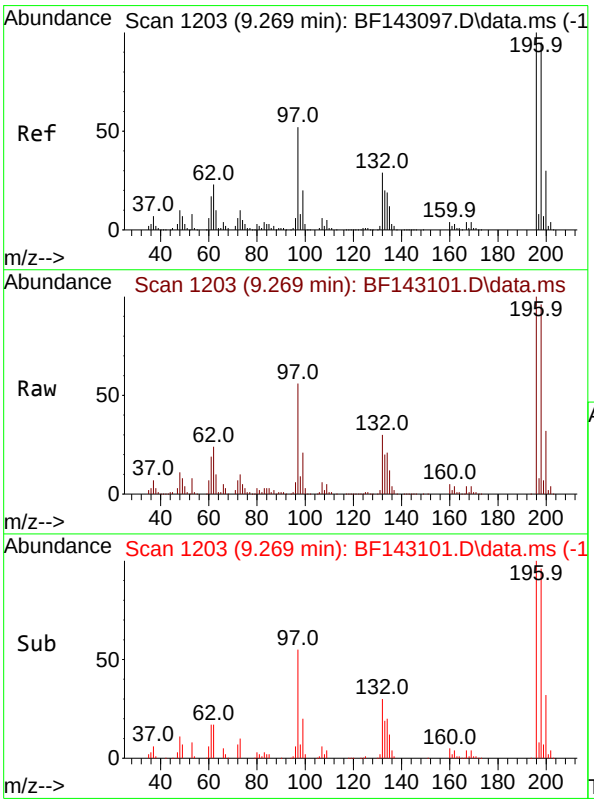
#43
2,4,6-Trichlorophenol
Concen: 43.955 ng
RT: 9.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:196 Resp: 197565

Ion	Ratio	Lower	Upper
196	100		
198	94.2	76.9	115.3
200	30.9	23.5	35.3

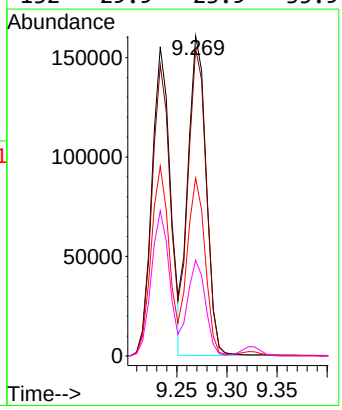


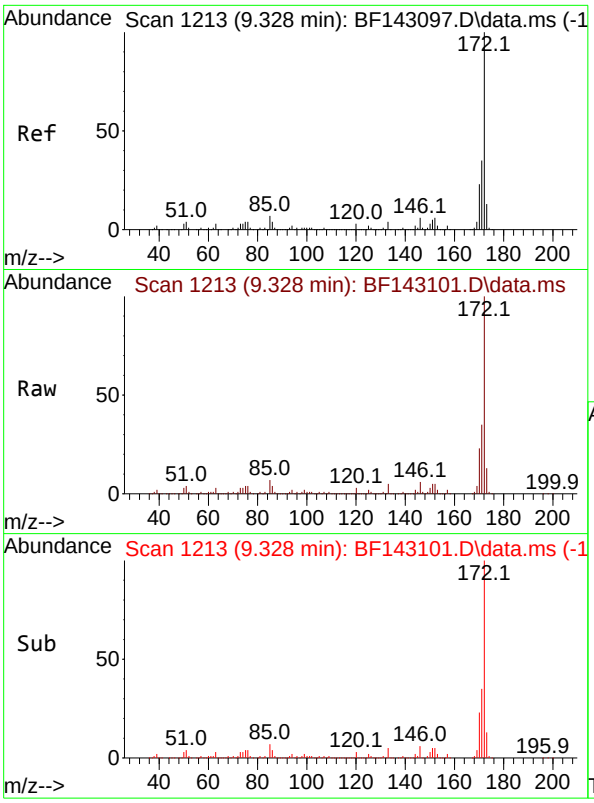


#44
2,4,5-Trichlorophenol
Concen: 43.001 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:196 Resp: 202658

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.4	114.6
97	55.6	42.4	63.6
132	29.9	23.9	35.9



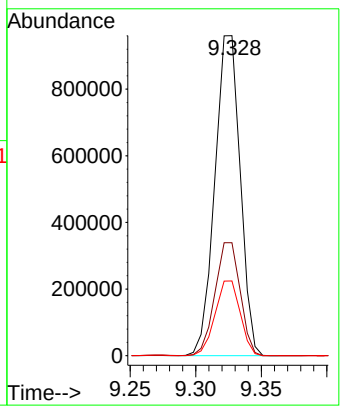


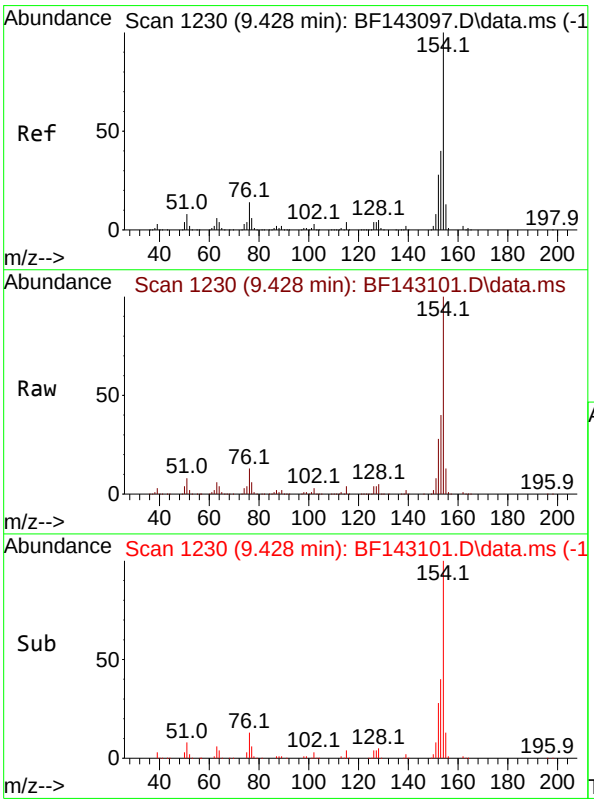
#45
2-Fluorobiphenyl
Concen: 69.090 ng
RT: 9.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:172 Resp: 1290148

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	23.4	18.6	28.0

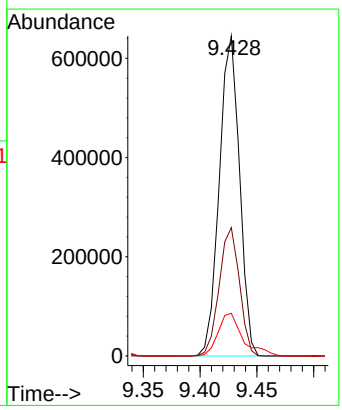


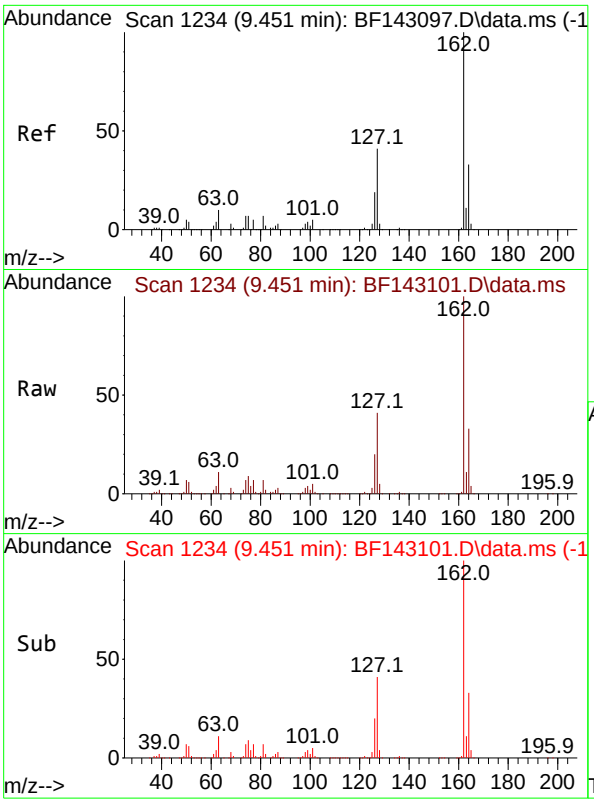


#46
1,1'-Biphenyl
Concen: 40.387 ng
RT: 9.428 min Scan# 1230
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 799467

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.1	60.1
76	13.4	0.0	33.7



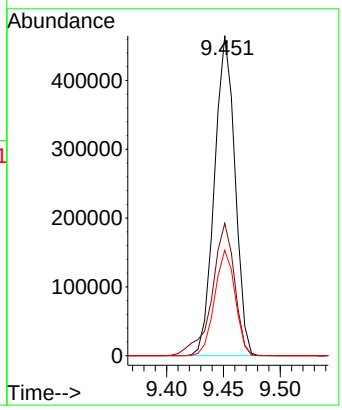


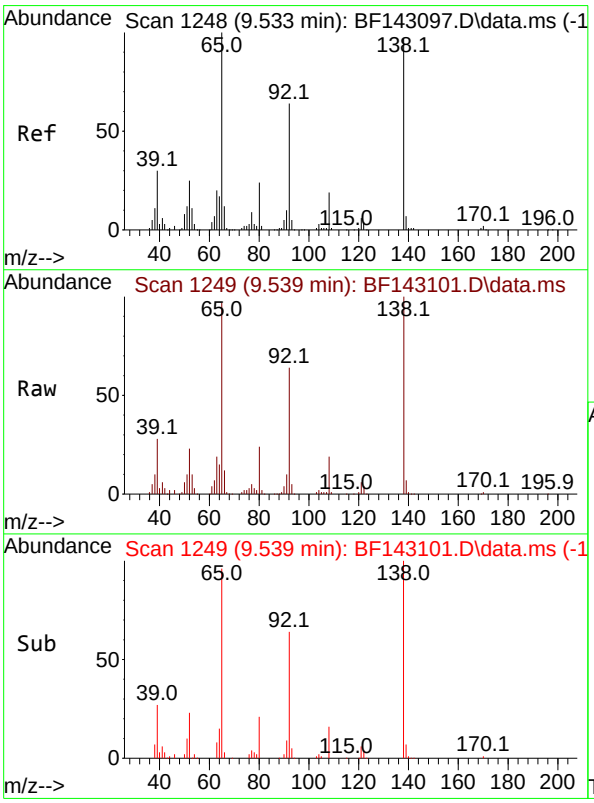
#47
2-Chloronaphthalene
Concen: 40.207 ng
RT: 9.451 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:162 Resp: 584687

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.0	49.6
164	33.0	26.1	39.1

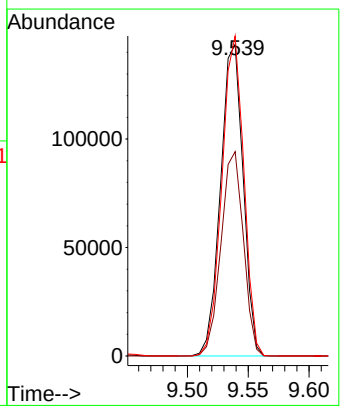


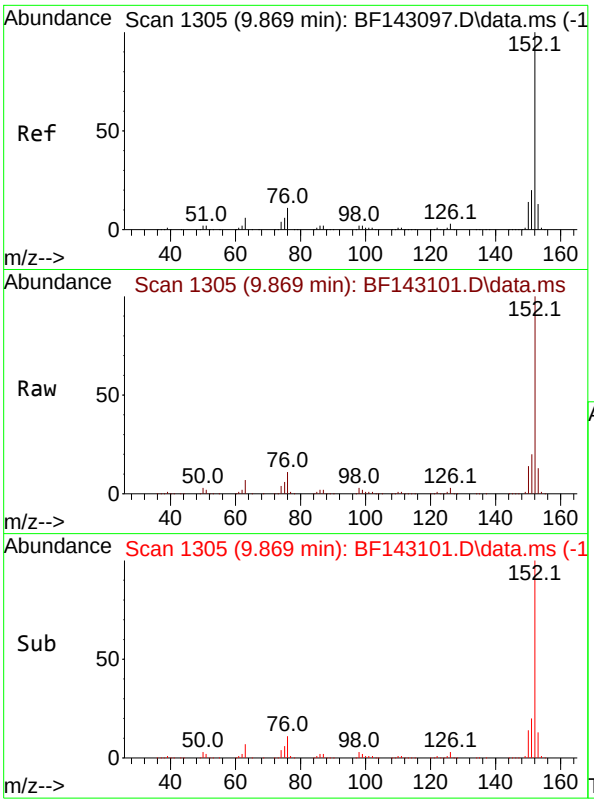


#48
2-Nitroaniline
Concen: 43.148 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion: 65 Resp: 185847

Ion	Ratio	Lower	Upper
65	100		
92	65.6	51.3	76.9
138	102.7	77.8	116.6



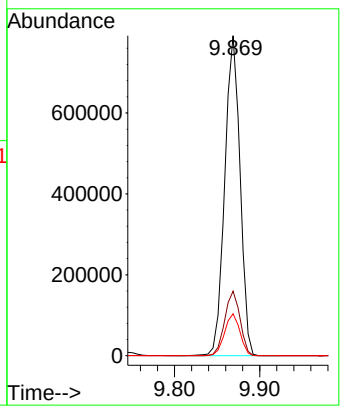


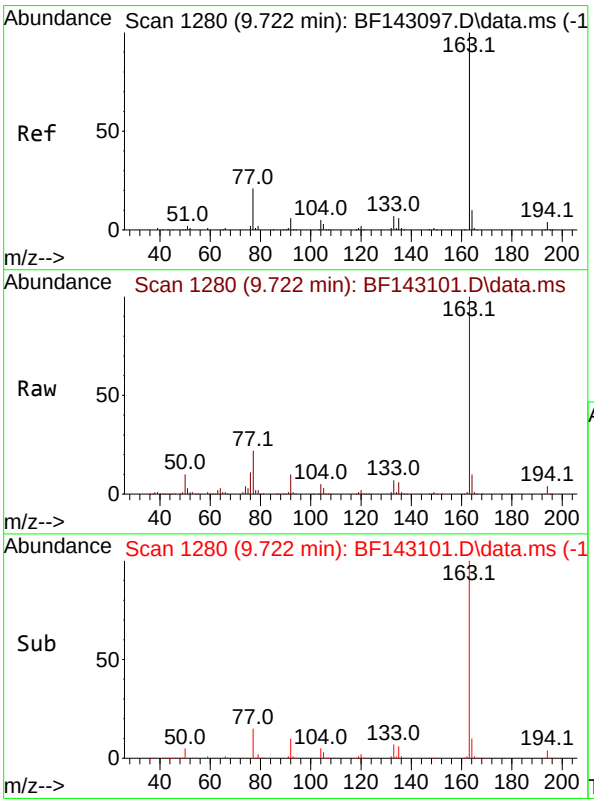
#49
Acenaphthylene
Concen: 40.736 ng
RT: 9.869 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:152 Resp: 987106

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	13.1	10.4	15.6

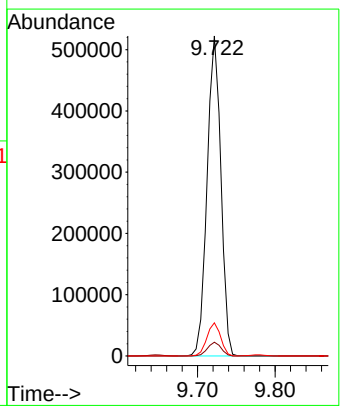


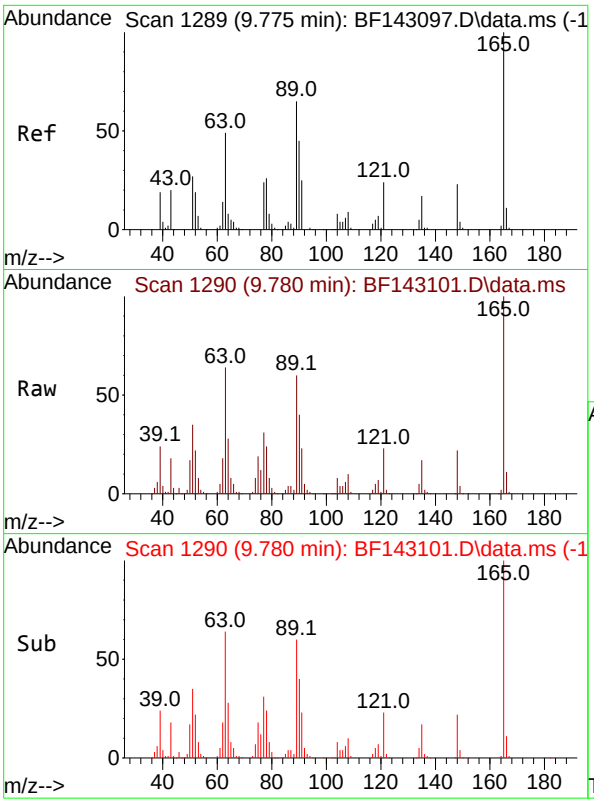


#50
Dimethylphthalate
Concen: 41.279 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:163 Resp: 644618

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.2	12.2



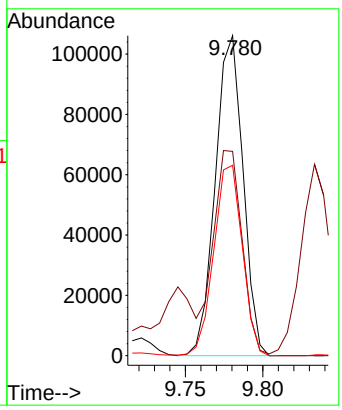


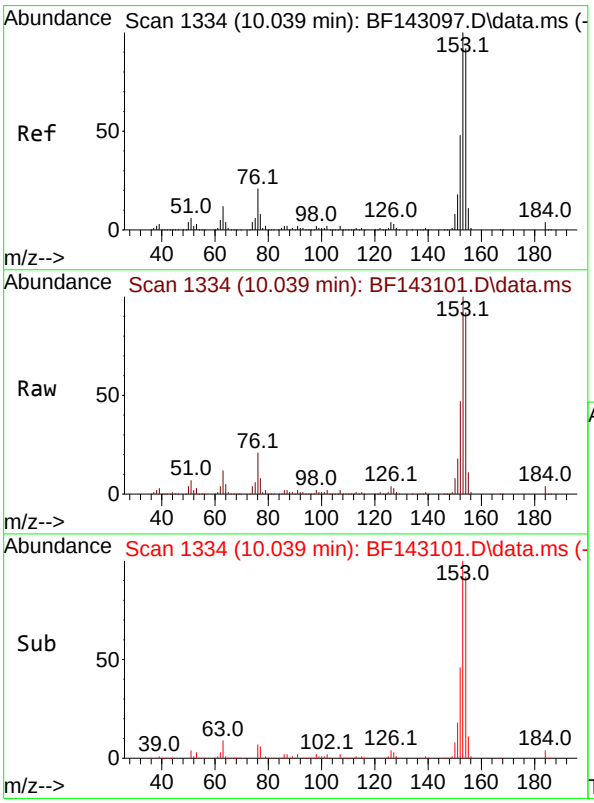
#51
2,6-Dinitrotoluene
Concen: 43.156 ng
RT: 9.780 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:165 Resp: 132241

Ion	Ratio	Lower	Upper
165	100		
63	63.9	57.4	86.0
89	59.5	51.8	77.8

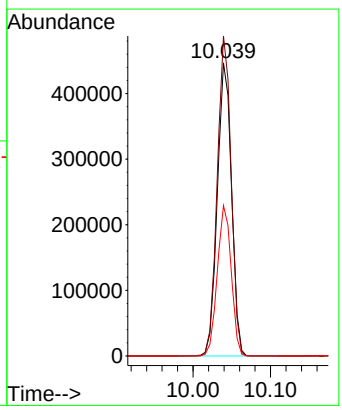


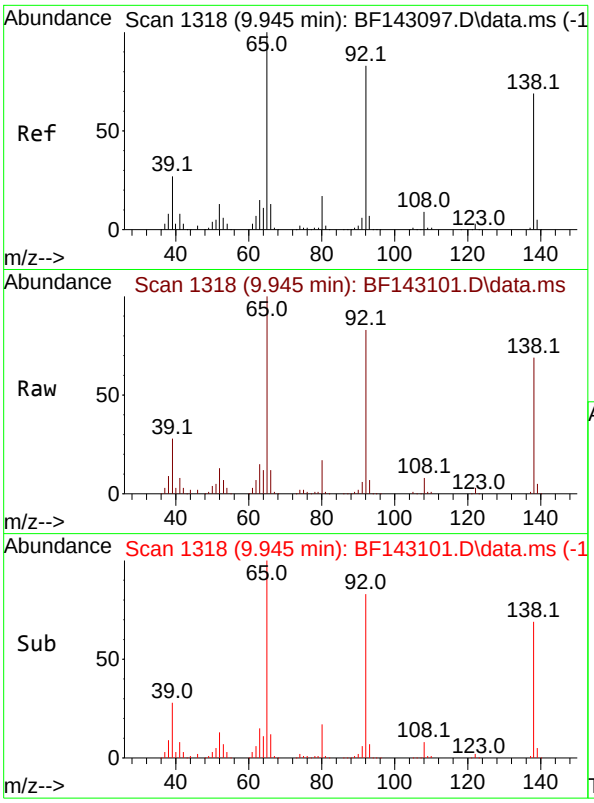


#52
Acenaphthene
Concen: 39.982 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:154 Resp: 571724

Ion	Ratio	Lower	Upper
154	100		
153	109.2	86.7	130.1
152	51.3	41.4	62.2



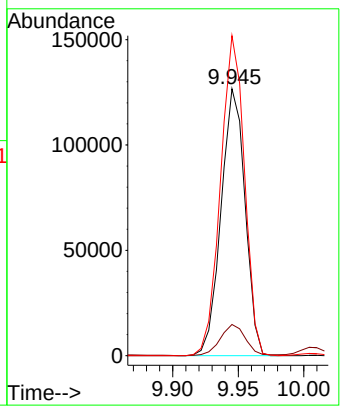


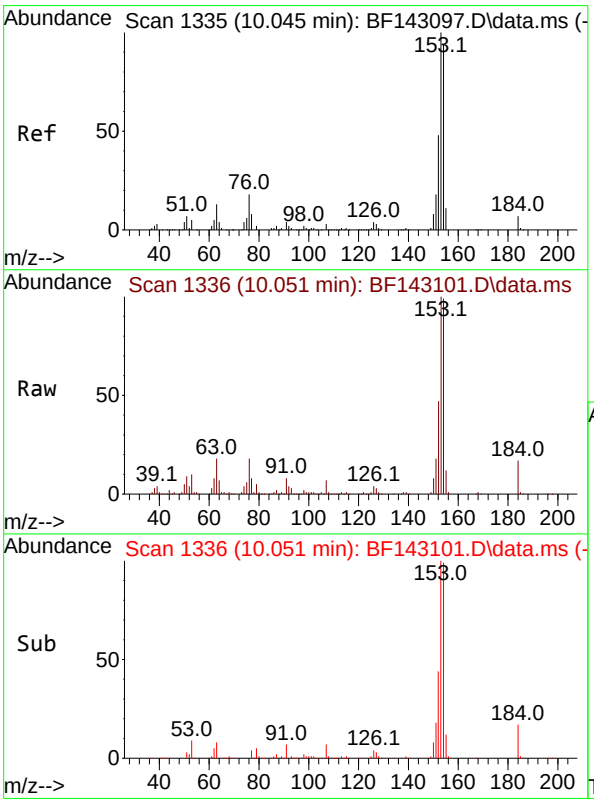
#53
3-Nitroaniline
Concen: 47.707 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:138 Resp: 160978

Ion	Ratio	Lower	Upper
138	100		
108	11.7	10.1	15.1
92	119.9	96.4	144.6

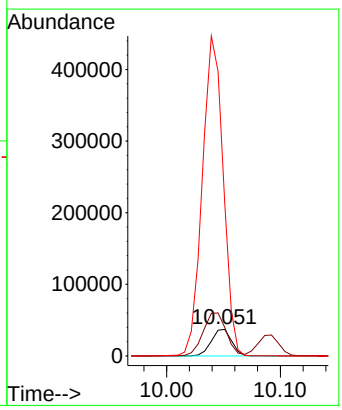


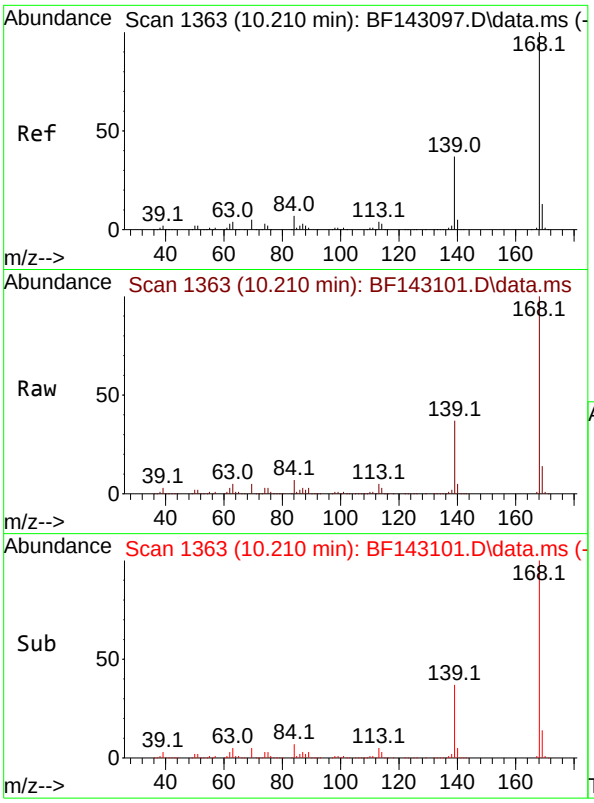


#54
2,4-Dinitrophenol
Concen: 47.113 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:184 Resp: 46465

Ion	Ratio	Lower	Upper
184	100		
63	106.9	149.3	223.9#
154	573.8	1048.0	1572.0#



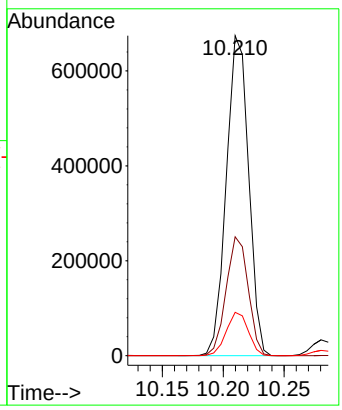


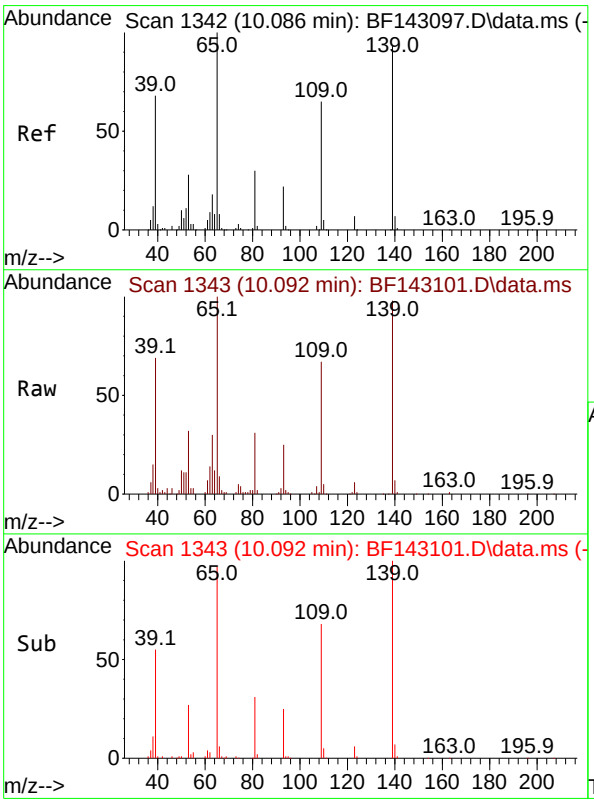
#55
Dibenzofuran
Concen: 40.300 ng
RT: 10.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:168 Resp: 858944

Ion	Ratio	Lower	Upper
168	100		
139	37.2	29.8	44.6
169	13.5	10.8	16.2

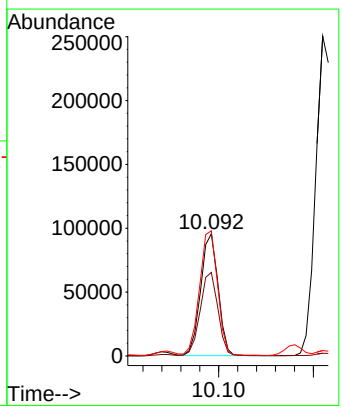


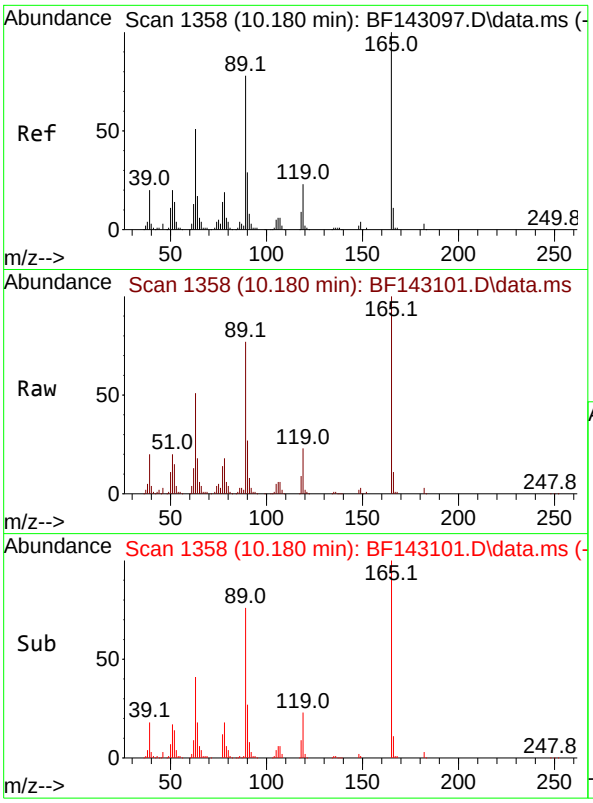


#56
4-Nitrophenol
Concen: 45.720 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:139 Resp: 122610

Ion	Ratio	Lower	Upper
139	100		
109	68.4	49.4	89.4
65	102.5	88.2	128.2



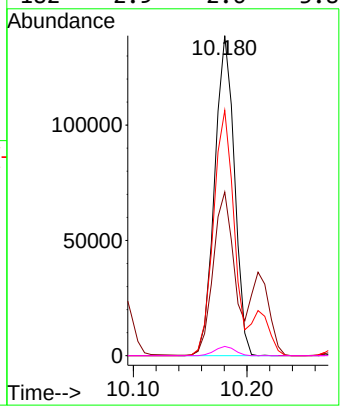


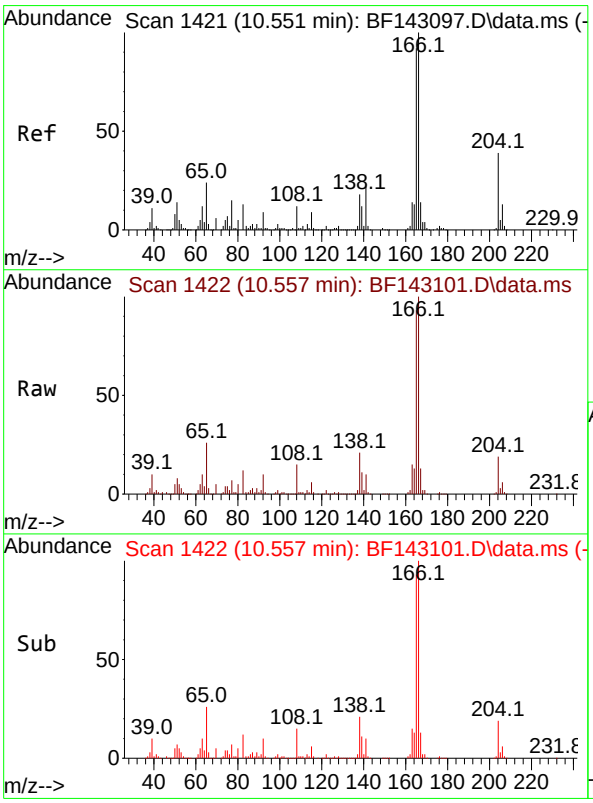
#57
2,4-Dinitrotoluene
Concen: 43.964 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:165 Resp: 168227

Ion	Ratio	Lower	Upper
165	100		
63	51.2	40.6	61.0
89	76.6	62.3	93.5
182	2.9	2.6	3.8

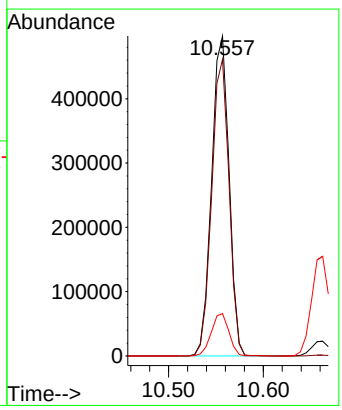


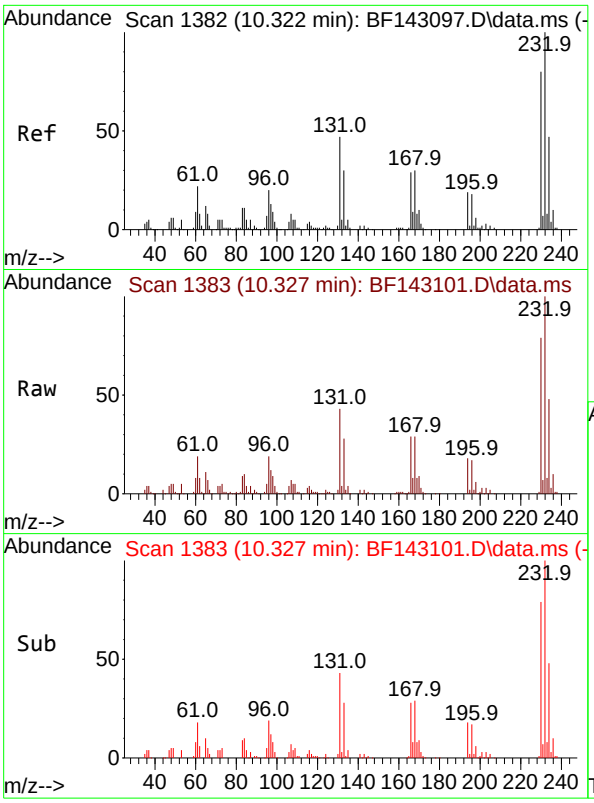


#58
Fluorene
Concen: 39.732 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:166 Resp: 634897

Ion	Ratio	Lower	Upper
166	100		
165	92.6	73.7	110.5
167	13.3	10.9	16.3



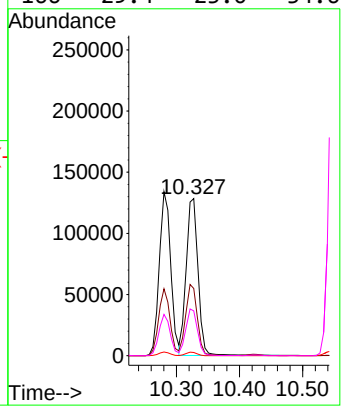


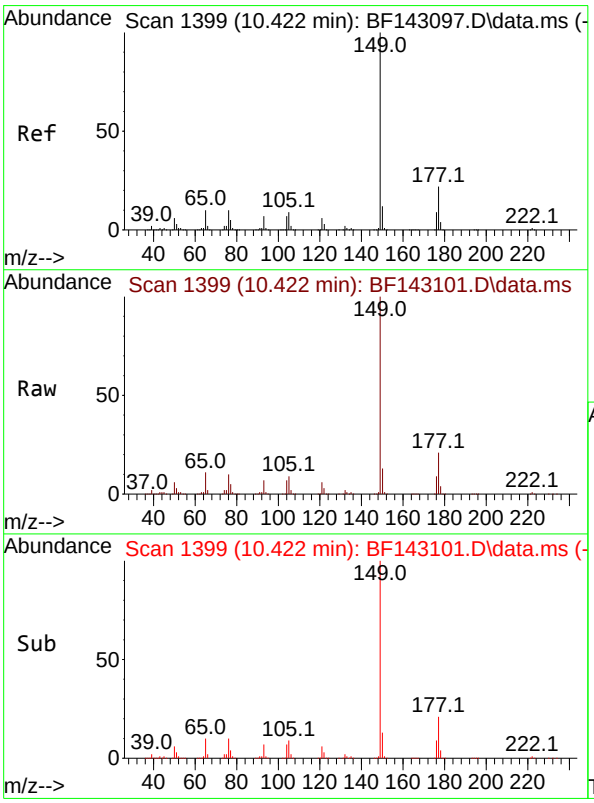
#59
2,3,4,6-Tetrachlorophenol
Concen: 44.902 ng
RT: 10.327 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:232 Resp: 168172

Ion	Ratio	Lower	Upper
232	100		
131	44.4	36.9	55.3
130	2.1	1.8	2.8
166	29.4	23.0	34.6

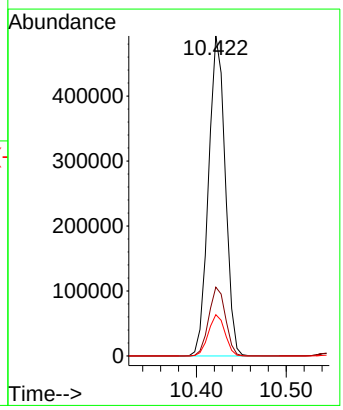


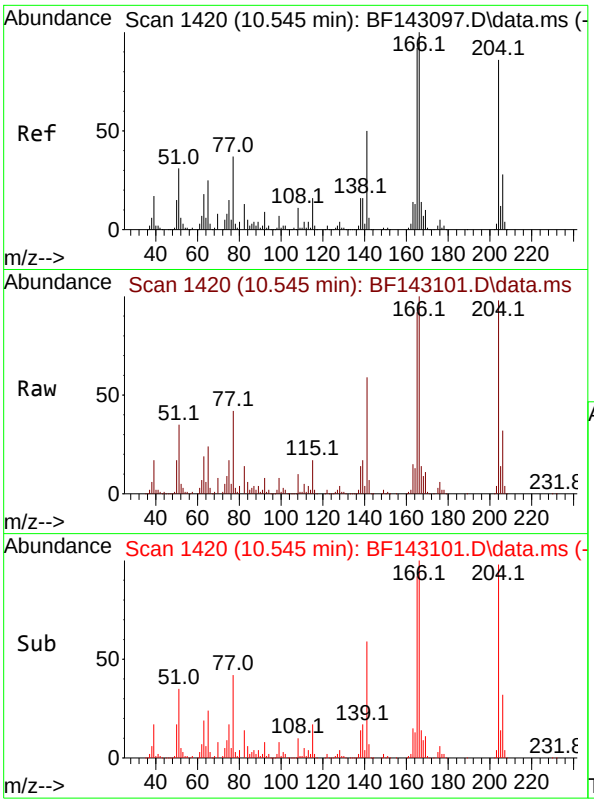


#60
Diethylphthalate
Concen: 42.297 ng
RT: 10.422 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 637247

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.3	25.9
150	12.9	9.9	14.9



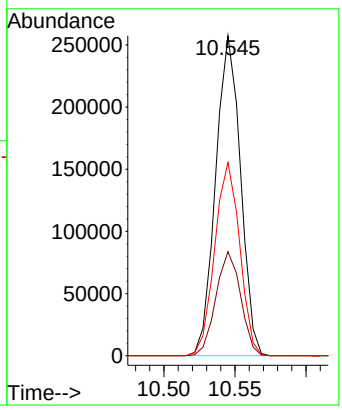


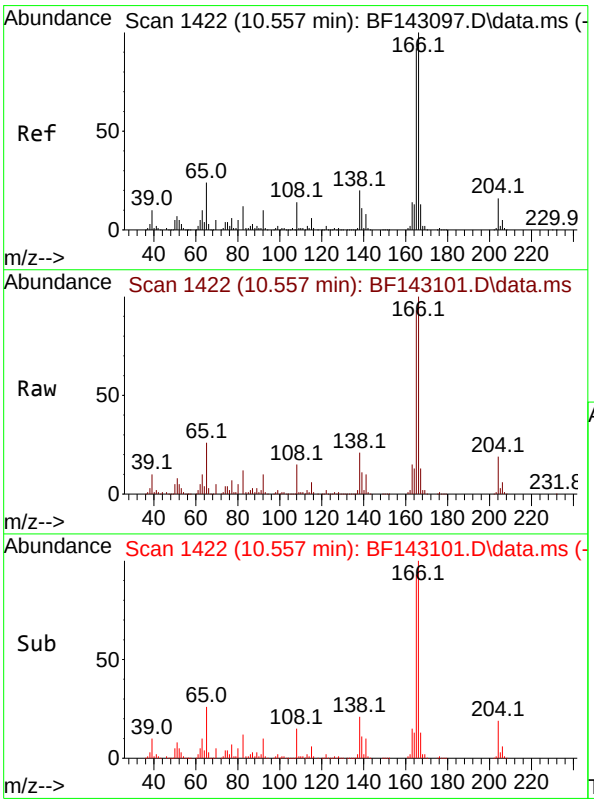
#61
4-Chlorophenyl-phenylether
Concen: 40.882 ng
RT: 10.545 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:204 Resp: 313111

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	60.4	46.8	70.2

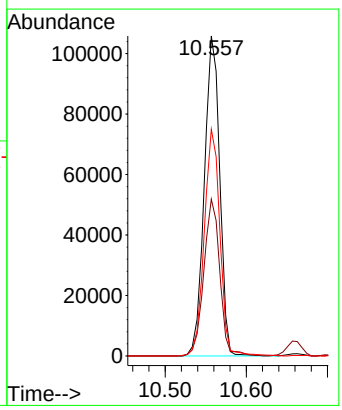


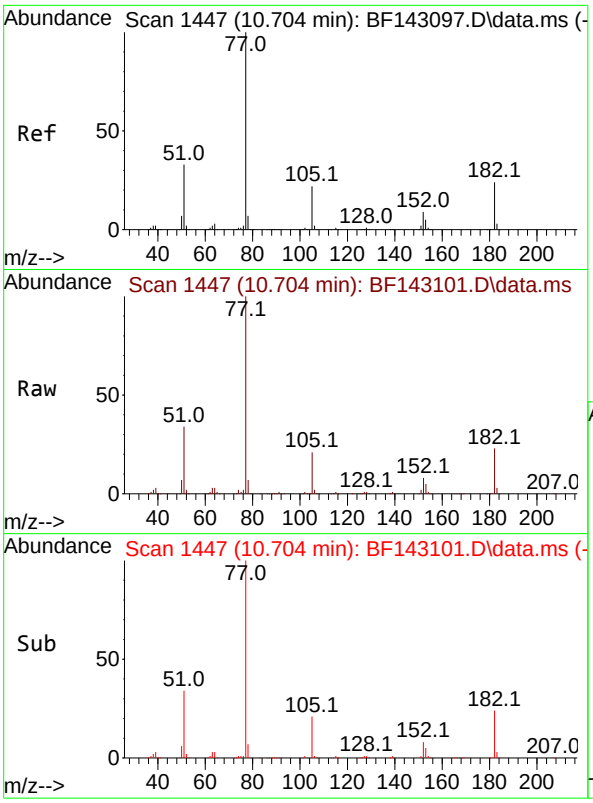


#62
4-Nitroaniline
Concen: 47.486 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:138 Resp: 139342

Ion	Ratio	Lower	Upper
138	100		
92	49.0	30.4	70.4
108	70.8	49.5	89.5



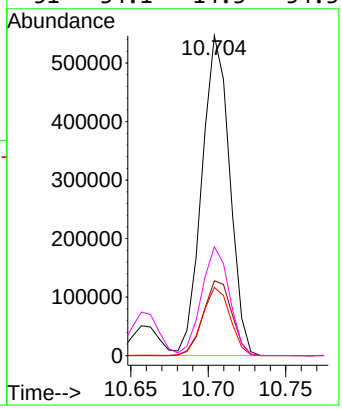


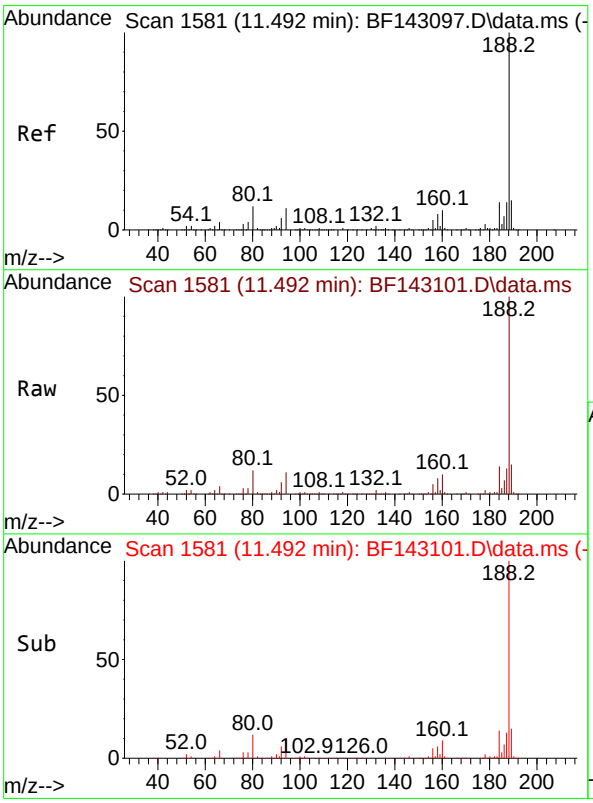
#63
Azobenzene
Concen: 40.833 ng
RT: 10.704 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion: 77 Resp: 680354

Ion	Ratio	Lower	Upper
77	100		
182	23.4	4.0	44.0
105	21.3	1.4	41.4
51	34.1	14.3	54.3

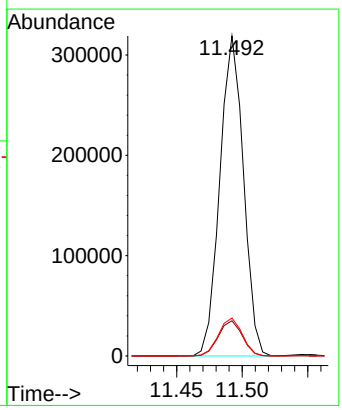


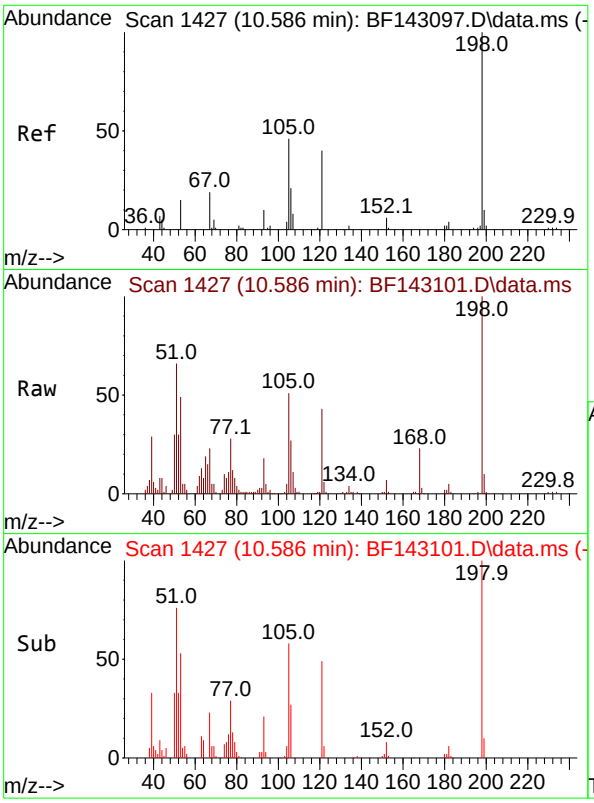


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:188 Resp: 398969

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.6	13.0
80	11.9	9.3	13.9



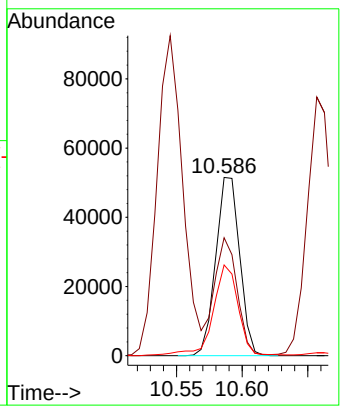


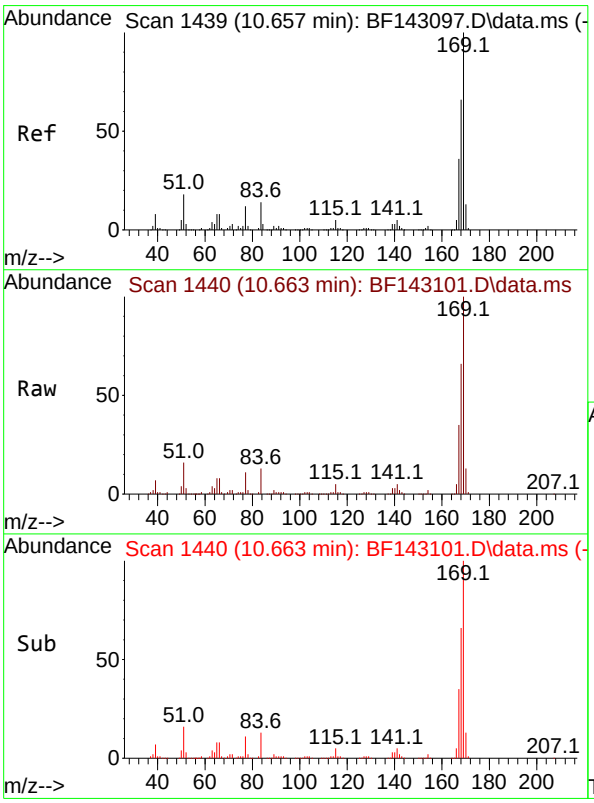
#65
4,6-Dinitro-2-methylphenol
Concen: 44.754 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:198 Resp: 65266

Ion	Ratio	Lower	Upper
198	100		
51	66.2	44.6	84.6
105	50.9	29.3	69.3

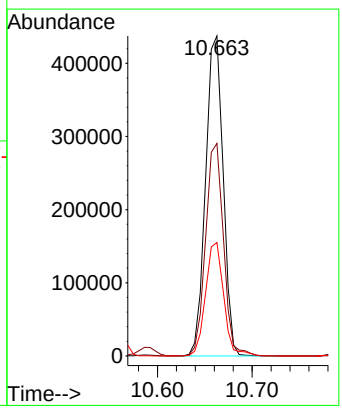


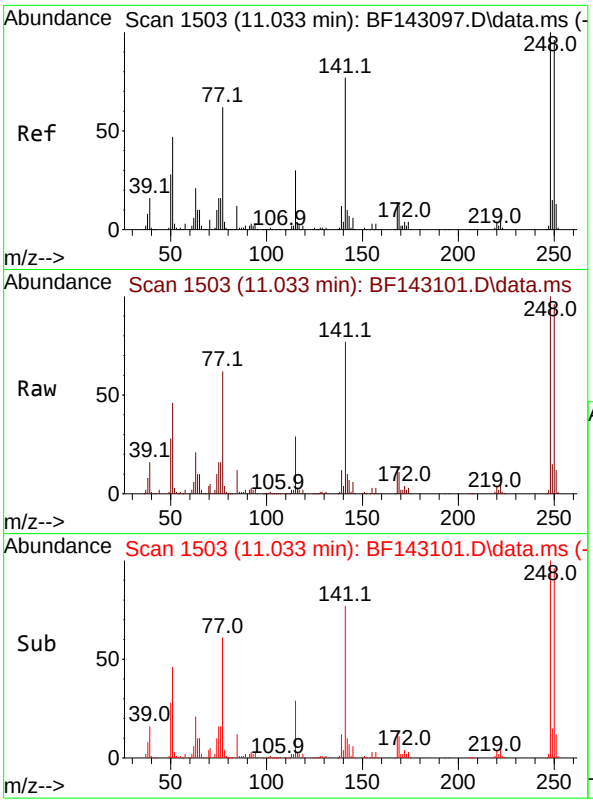


#66
n-Nitrosodiphenylamine
Concen: 40.179 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:169 Resp: 563086

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.0	79.6
167	35.5	28.4	42.6



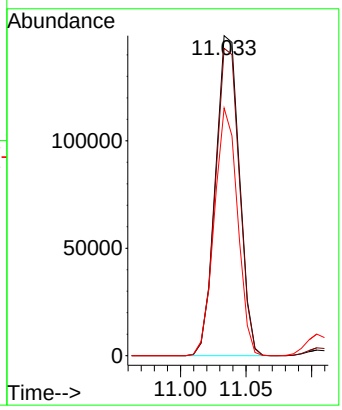


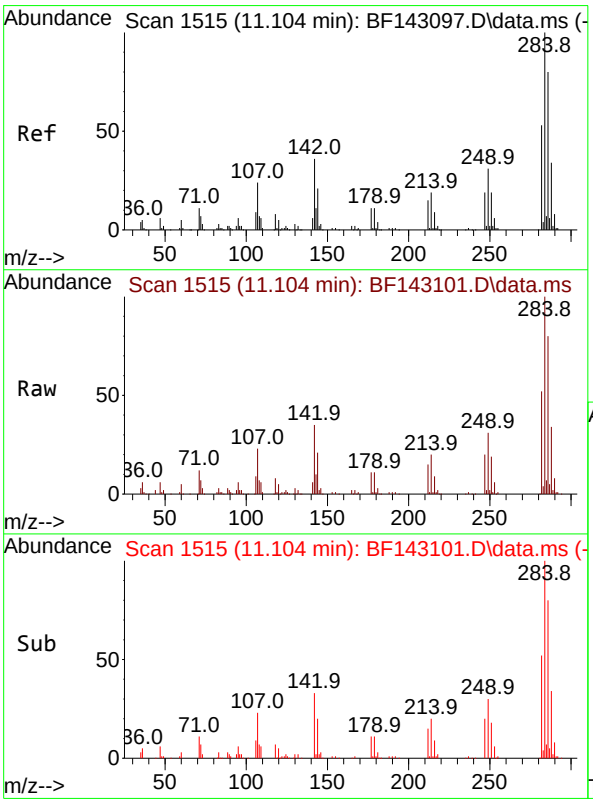
#67
4-Bromophenyl-phenylether
Concen: 41.782 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:248 Resp: 189573

Ion	Ratio	Lower	Upper
248	100		
250	96.0	76.7	115.1
141	77.4	61.7	92.5

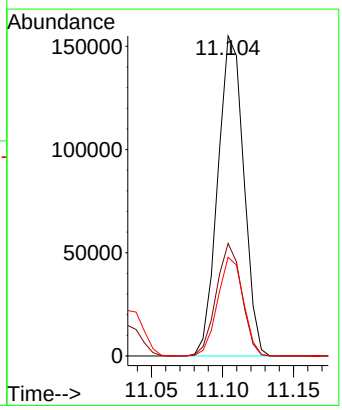


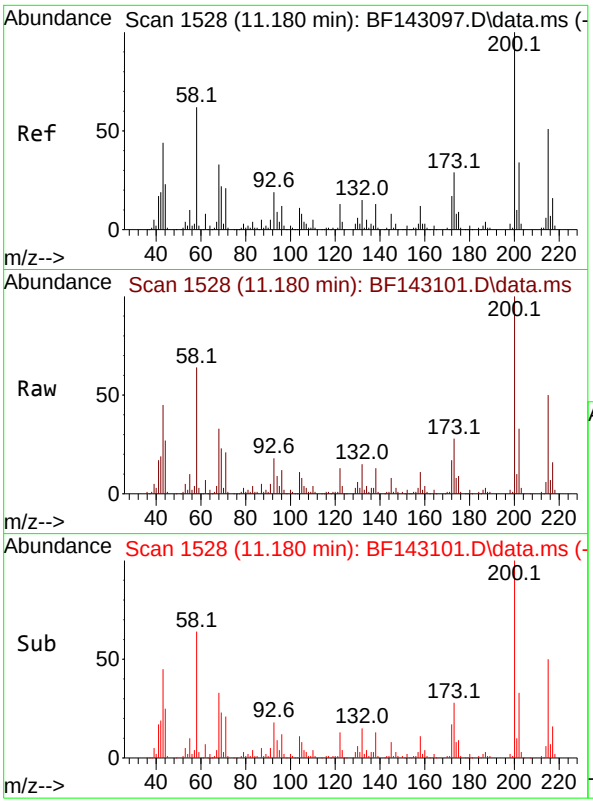


#68
Hexachlorobenzene
Concen: 40.915 ng
RT: 11.104 min Scan# 1515
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:284 Resp: 196969

Ion	Ratio	Lower	Upper
284	100		
142	35.1	28.9	43.3
249	30.9	24.6	37.0



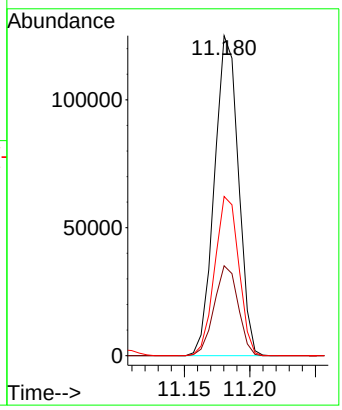


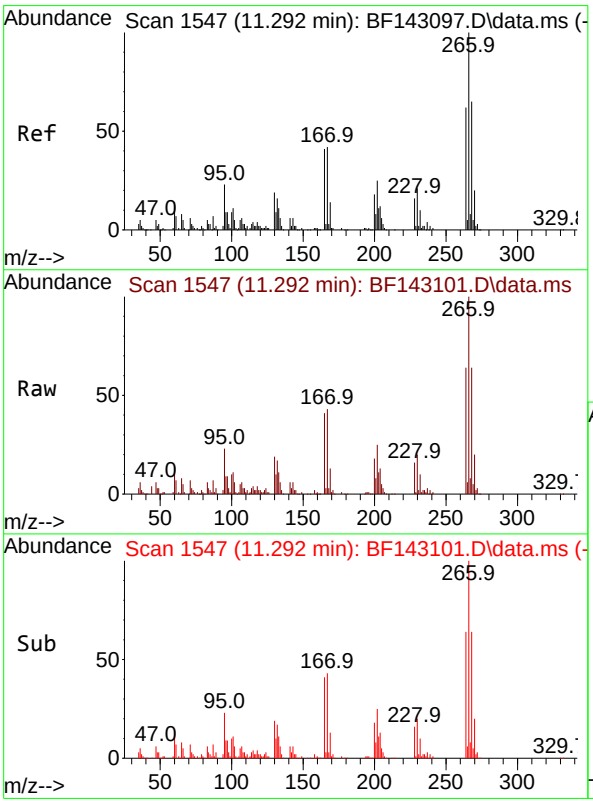
#69
Atrazine
Concen: 44.273 ng
RT: 11.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:200 Resp: 158741

Ion	Ratio	Lower	Upper
200	100		
173	28.1	9.1	49.1
215	49.8	31.0	71.0

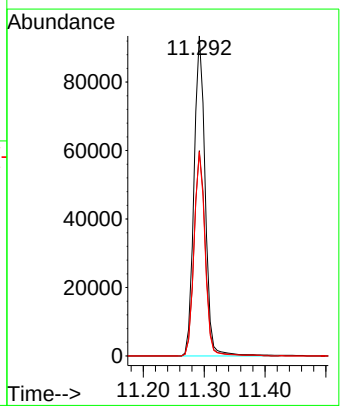


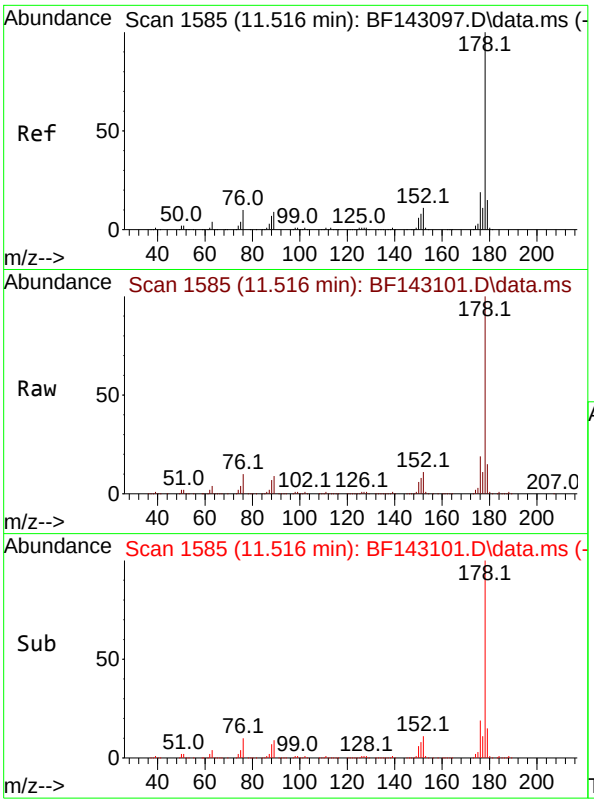


#70
Pentachlorophenol
Concen: 44.978 ng
RT: 11.292 min Scan# 1547
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:266 Resp: 118797

Ion	Ratio	Lower	Upper
266	100		
268	64.1	51.8	77.6
264	63.7	49.7	74.5



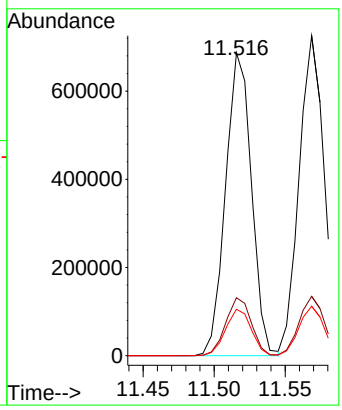


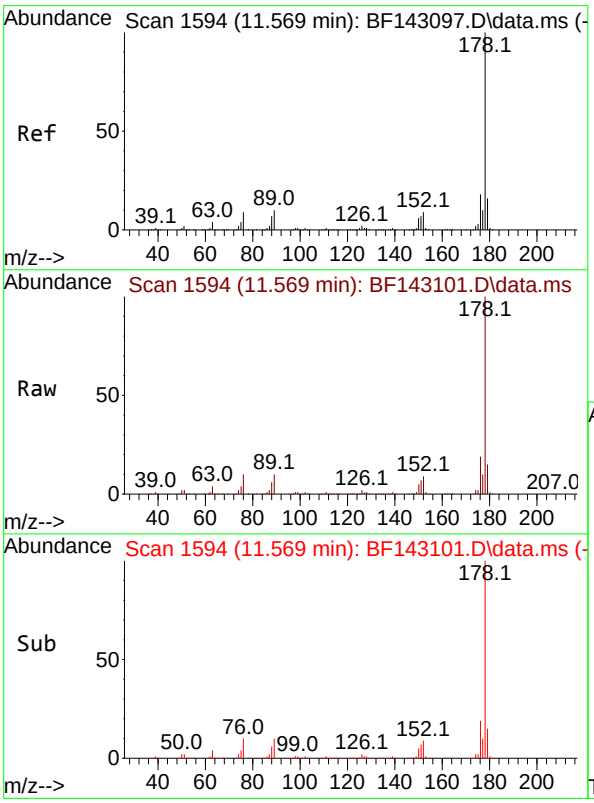
#71
Phenanthrene
Concen: 40.469 ng
RT: 11.516 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:178 Resp: 871369

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.3	12.2	18.4

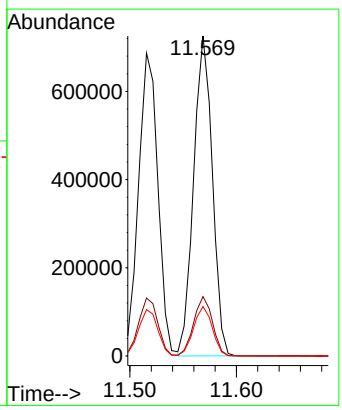


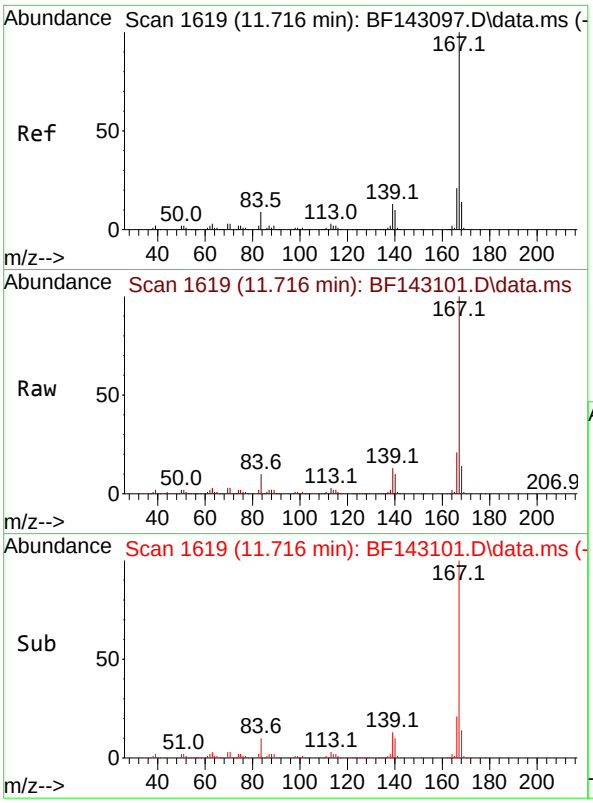


#72
Anthracene
Concen: 40.999 ng
RT: 11.569 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:178 Resp: 887738

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.7	22.1
179	15.5	12.4	18.6



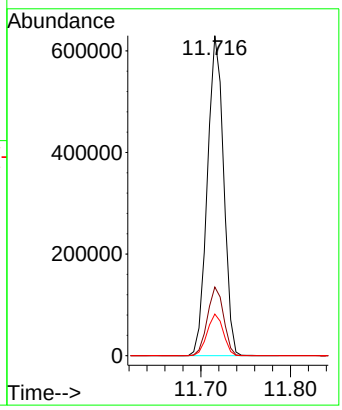


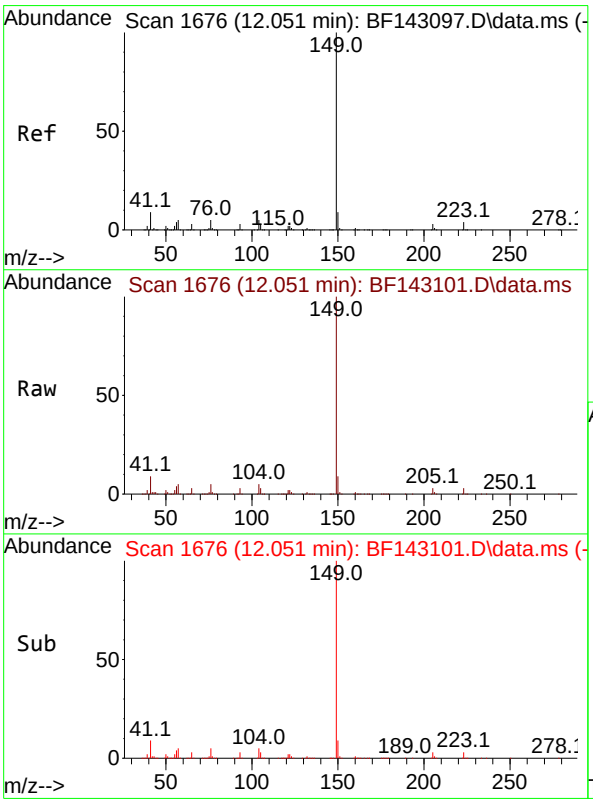
#73
Carbazole
Concen: 40.823 ng
RT: 11.716 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:167 Resp: 791886

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.4
139	13.0	10.2	15.4

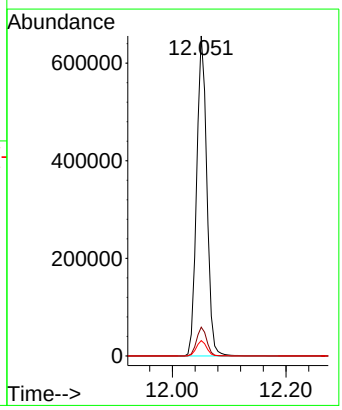


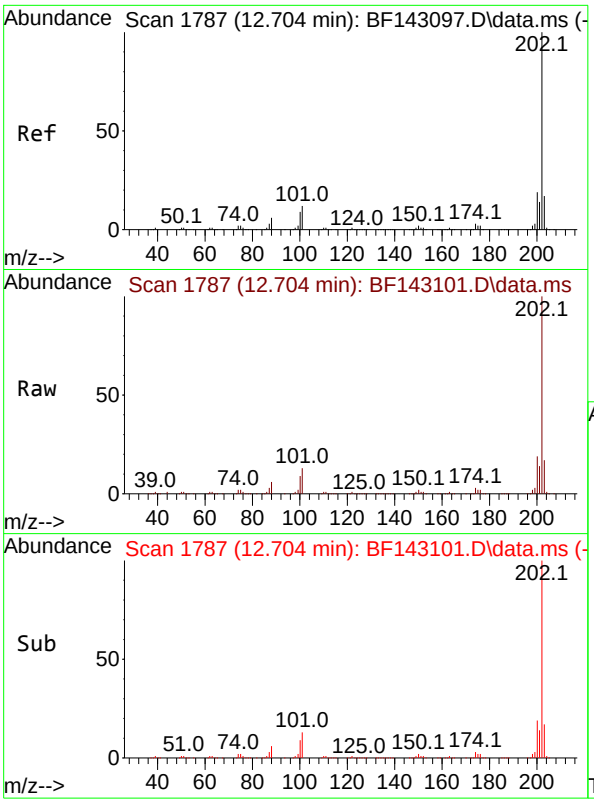


#74
Di-n-butylphthalate
Concen: 46.099 ng
RT: 12.051 min Scan# 1676
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 820833

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.8	3.8	5.8



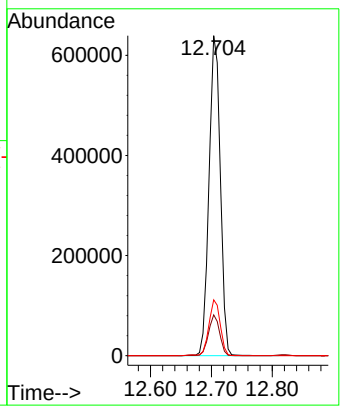


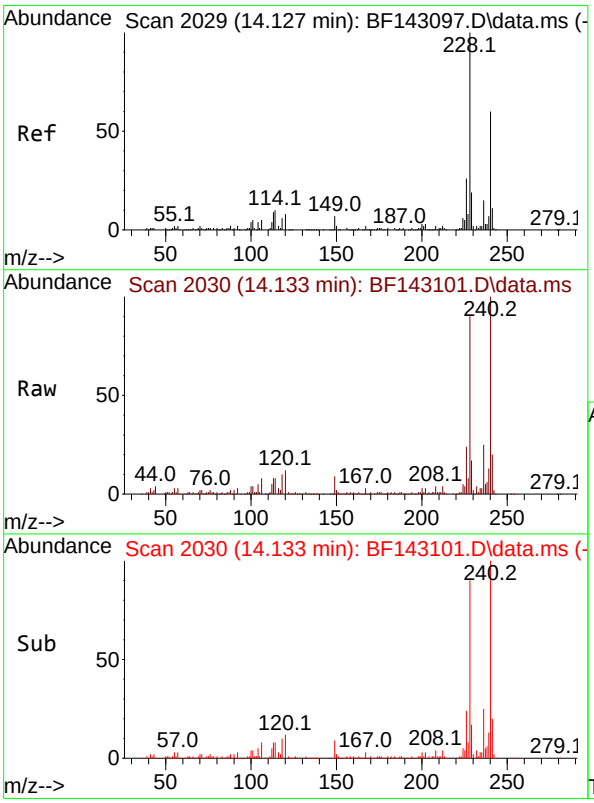
#75
Fluoranthene
Concen: 42.113 ng
RT: 12.704 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:202 Resp: 824497

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.4
203	17.5	0.0	37.4

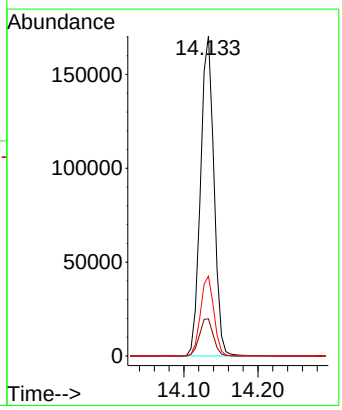


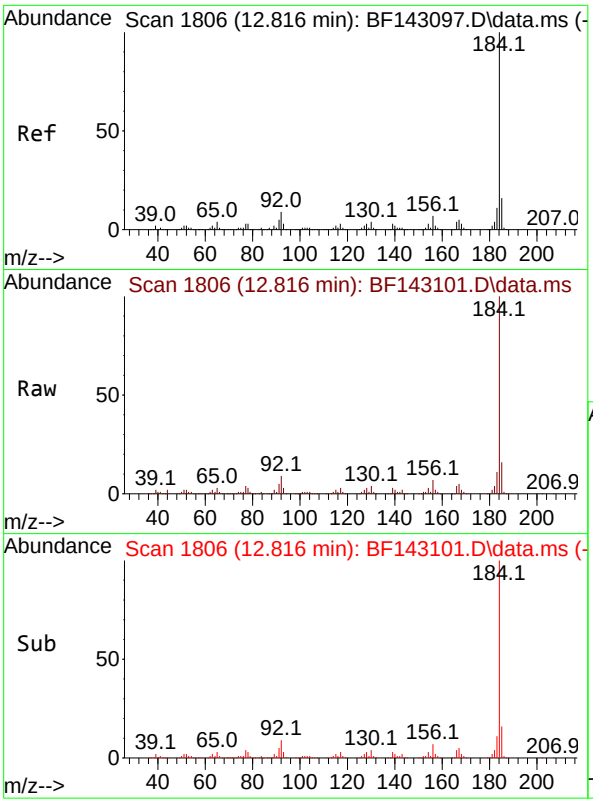


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:240 Resp: 215152

Ion	Ratio	Lower	Upper
240	100		
120	11.6	10.0	15.0
236	24.9	20.0	30.0



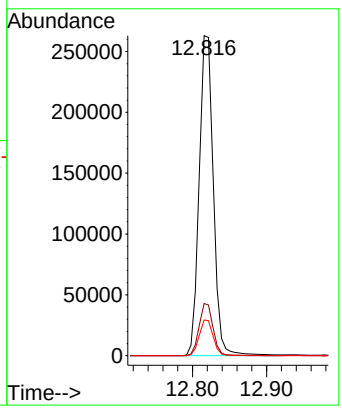


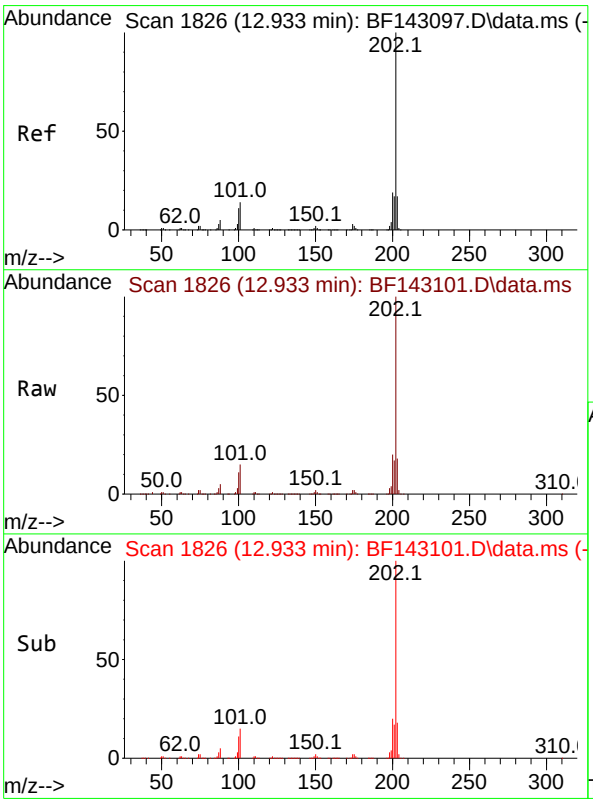
#77
Benzidine
Concen: 47.827 ng
RT: 12.816 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:184 Resp: 350573

Ion	Ratio	Lower	Upper
184	100		
185	16.3	12.4	18.6
183	11.1	8.6	12.8

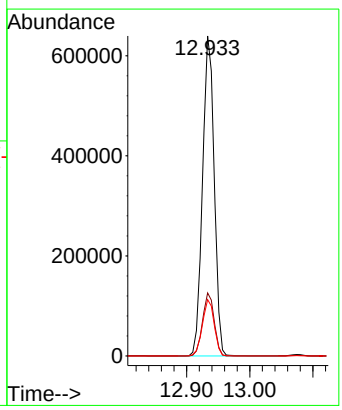


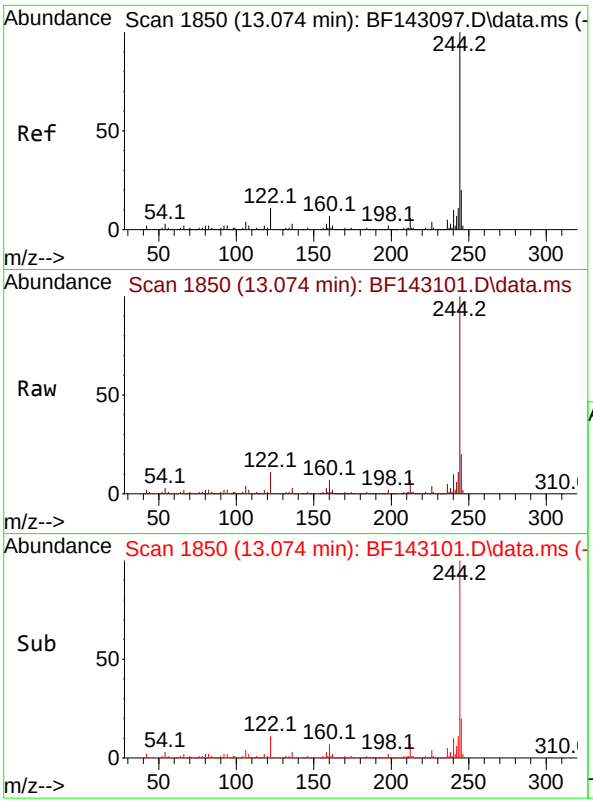


#78
Pyrene
Concen: 41.087 ng
RT: 12.933 min Scan# 1826
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:202 Resp: 820201

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.5	23.3
203	17.6	14.0	21.0



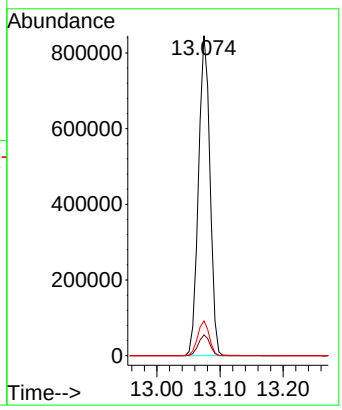


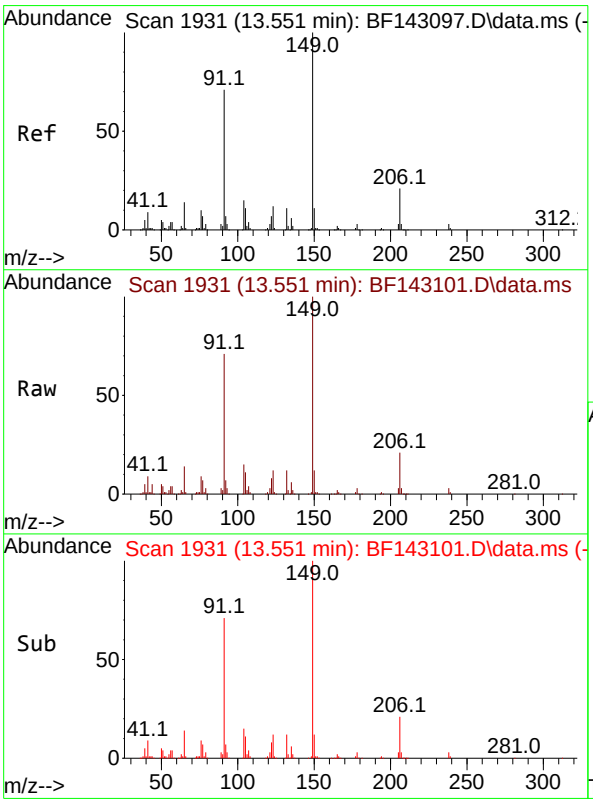
#79
Terphenyl-d14
Concen: 72.317 ng
RT: 13.074 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:244 Resp: 1064372

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.9	8.8	13.2

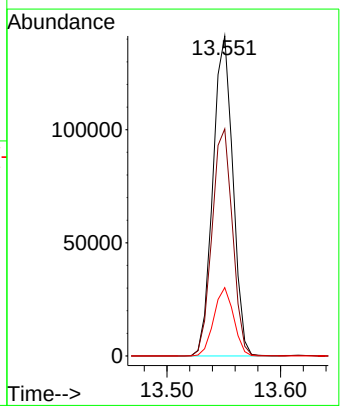


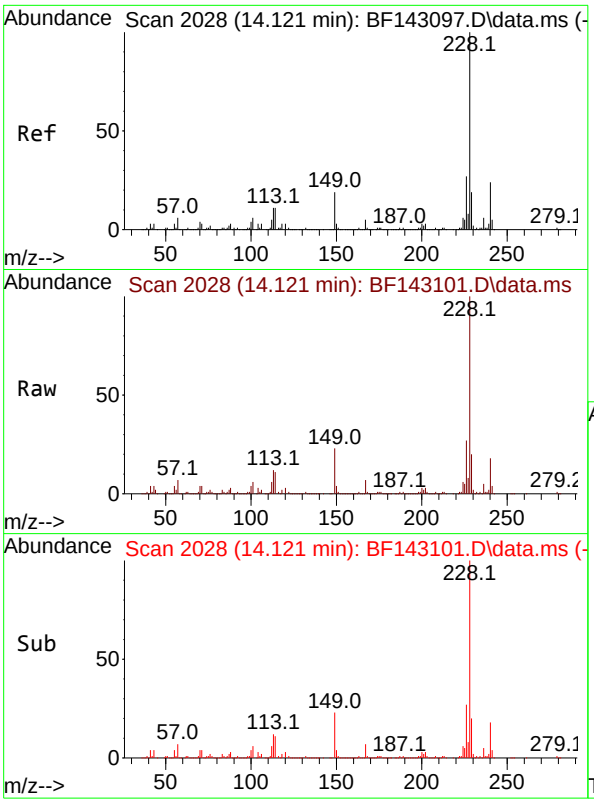


#80
Butylbenzylphthalate
Concen: 43.340 ng
RT: 13.551 min Scan# 1931
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 172390

Ion	Ratio	Lower	Upper
149	100		
91	71.0	57.0	85.4
206	21.3	17.2	25.8



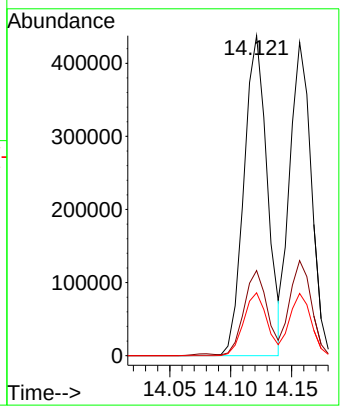


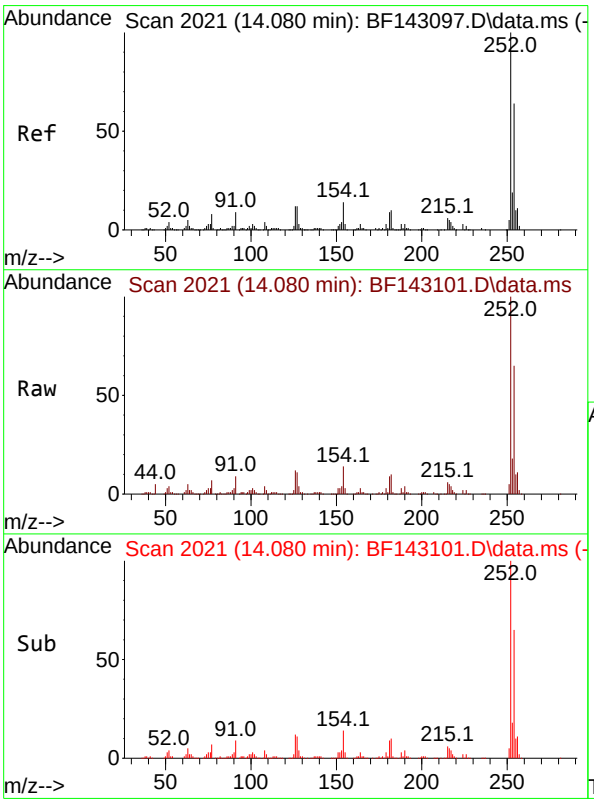
#81
Benzo(a)anthracene
Concen: 40.719 ng
RT: 14.121 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:228 Resp: 583794

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	19.6	15.5	23.3

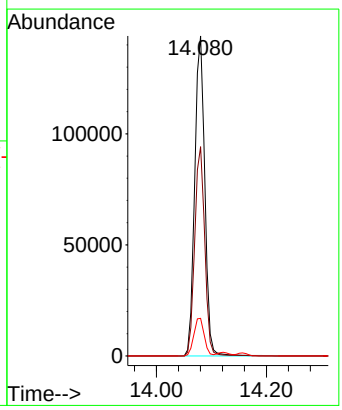


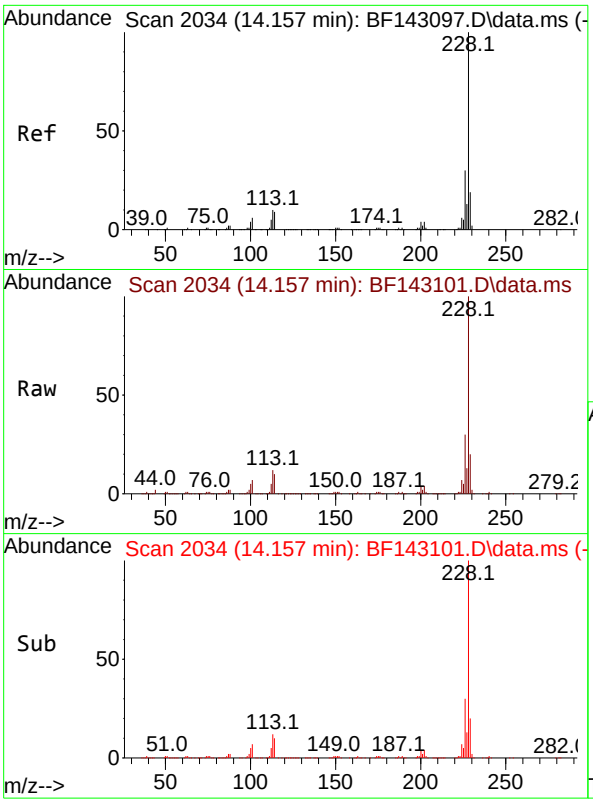


#82
3,3'-Dichlorobenzidine
Concen: 44.044 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 183371

Ion	Ratio	Lower	Upper
252	100		
254	65.4	51.5	77.3
126	11.7	9.4	14.0



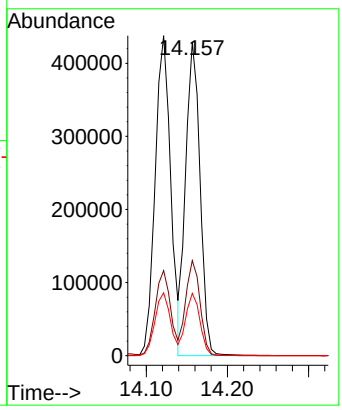


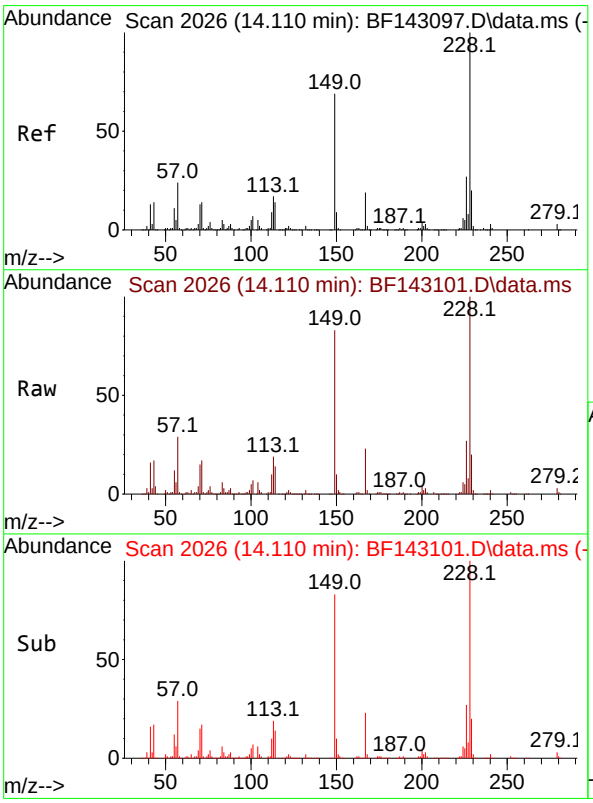
#83
Chrysene
Concen: 40.139 ng
RT: 14.157 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:228 Resp: 530018

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	19.8	15.3	22.9

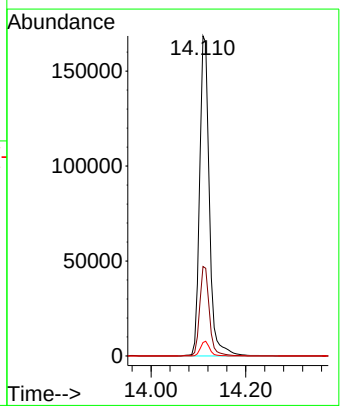


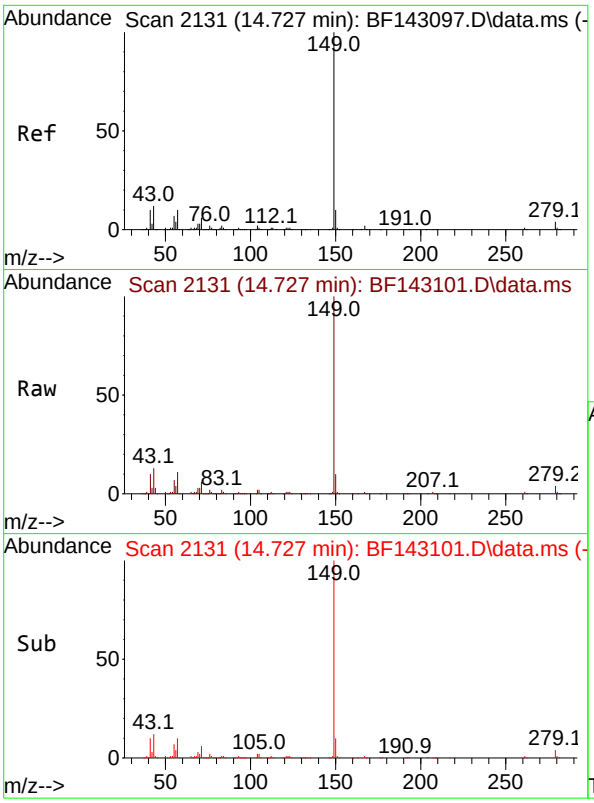


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.166 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:149 Resp: 239329

Ion	Ratio	Lower	Upper
149	100		
167	27.9	21.9	32.9
279	4.2	3.4	5.0



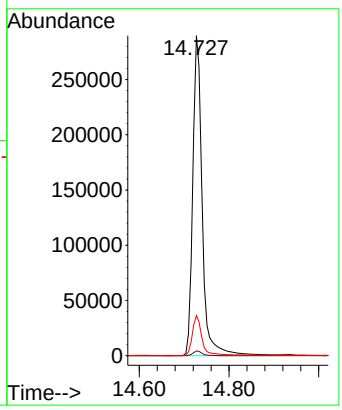


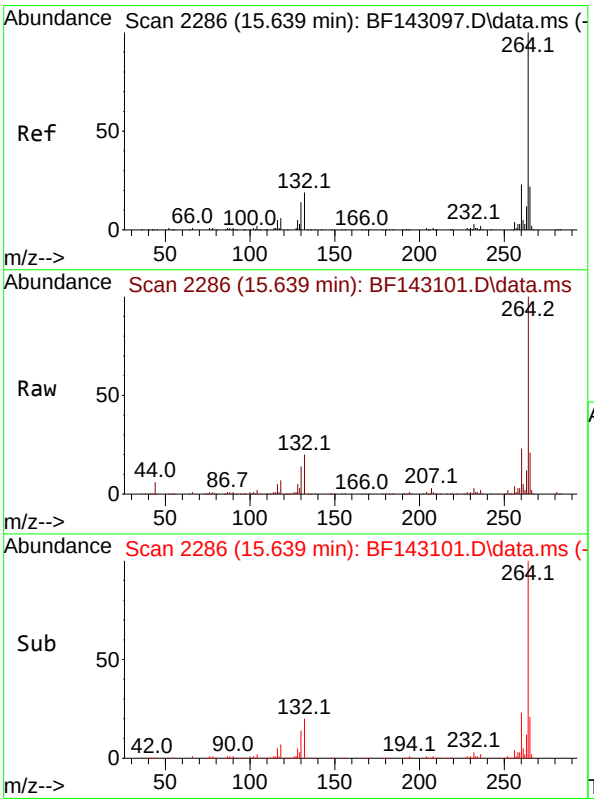
#85
Di-n-octyl phthalate
Concen: 38.648 ng
RT: 14.727 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:149 Resp: 424959

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.2	1.8
43	13.5	10.6	16.0

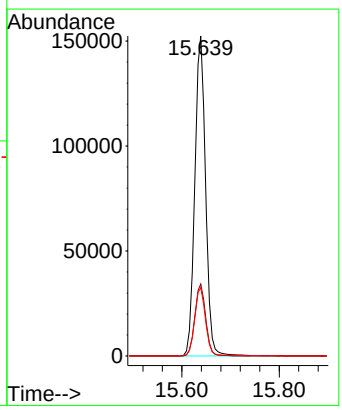


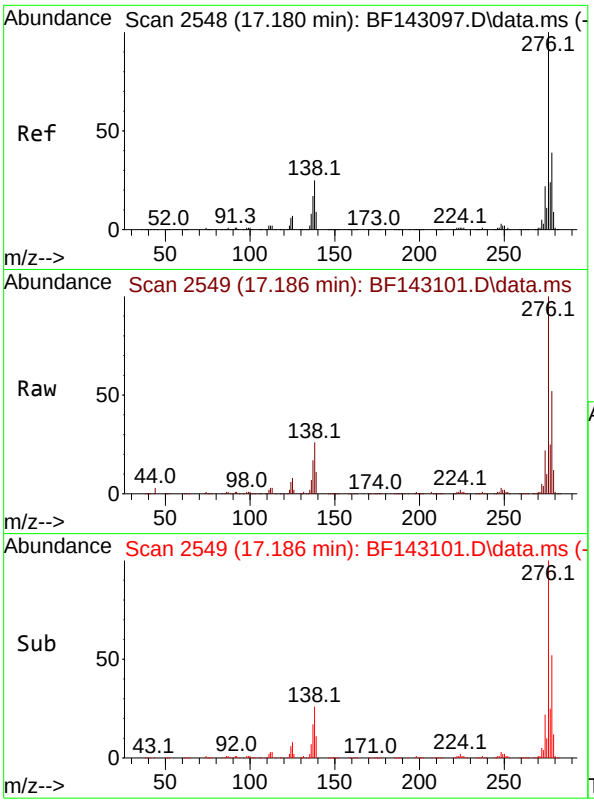


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:264 Resp: 235493

Ion	Ratio	Lower	Upper
264	100		
260	22.5	18.5	27.7
265	21.3	17.5	26.3



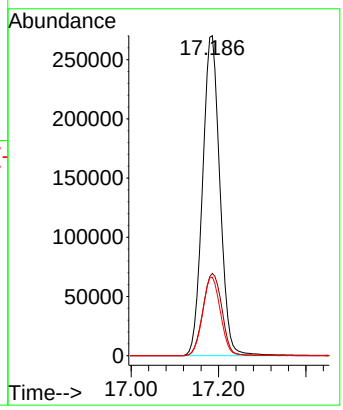


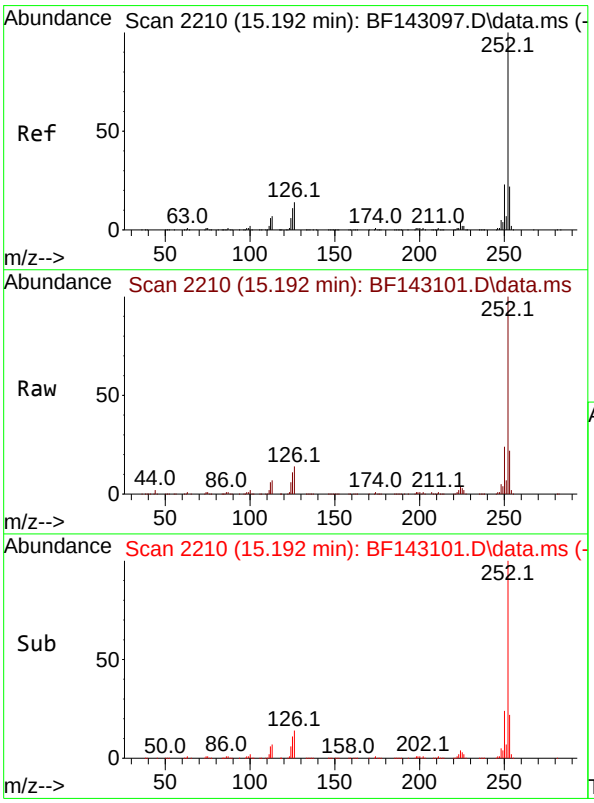
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.503 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:276 Resp: 744447

Ion	Ratio	Lower	Upper
276	100		
138	28.1	22.6	34.0
277	25.4	20.2	30.2

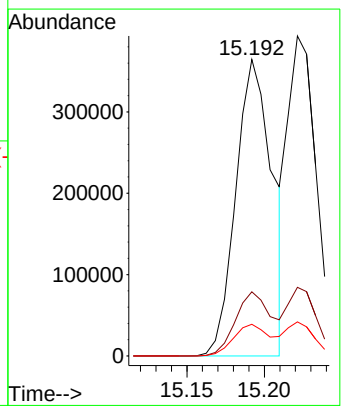


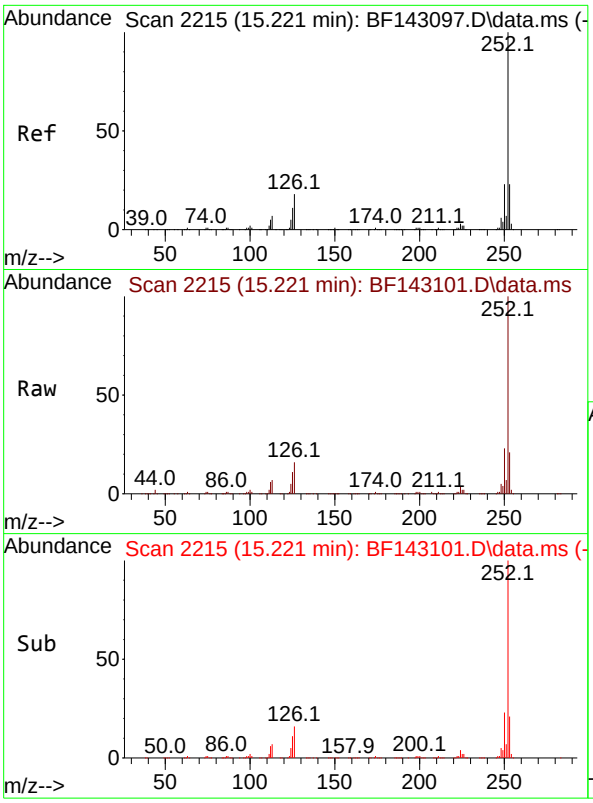


#88
Benzo(b)fluoranthene
Concen: 43.782 ng
RT: 15.192 min Scan# 2210
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 594727

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.5	26.3
125	10.7	8.6	13.0



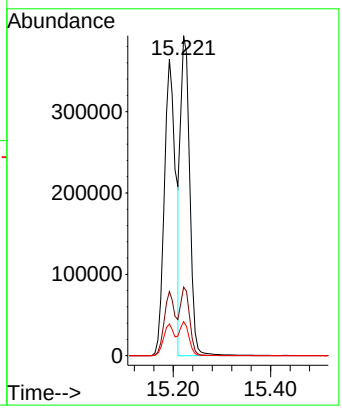


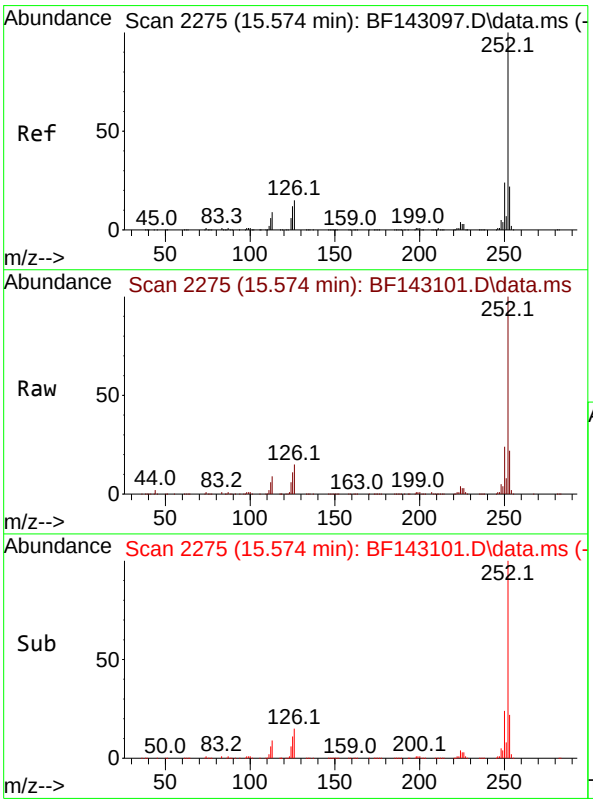
#89
Benzo(k)fluoranthene
Concen: 39.662 ng
RT: 15.221 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:252 Resp: 513977

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	10.7	8.5	12.7

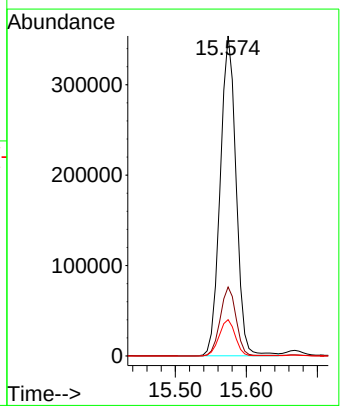


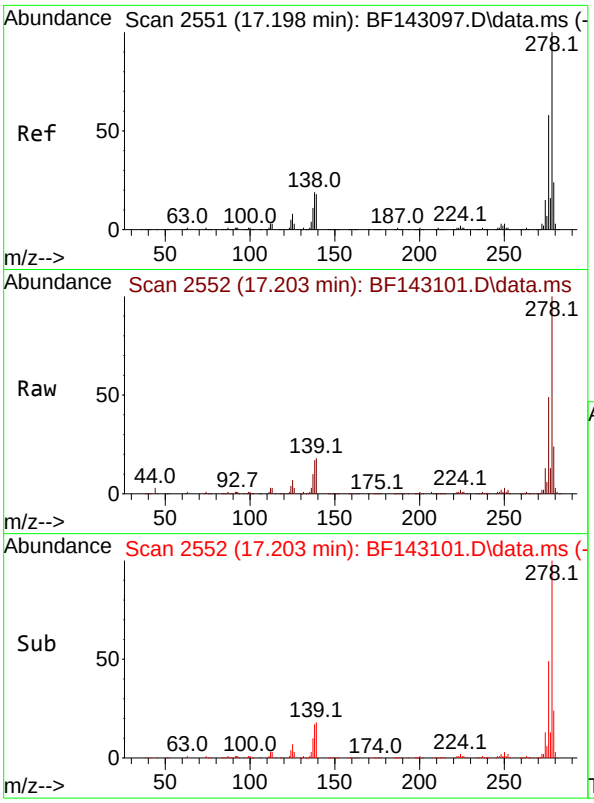


#90
Benzo(a)pyrene
Concen: 42.724 ng
RT: 15.574 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:252 Resp: 548875

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	11.4	9.4	14.0



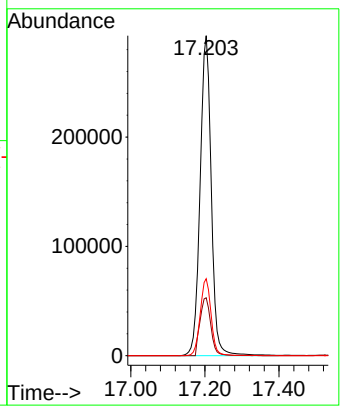


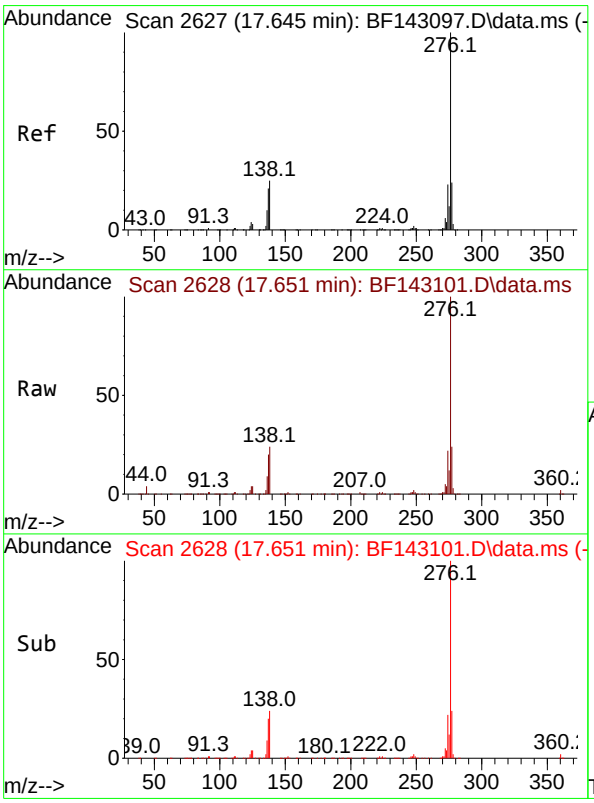
#91
Dibenzo(a,h)anthracene
Concen: 42.735 ng
RT: 17.203 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Instrument :
BNA_F
ClientSampleId :
ICVBF071525

Tgt Ion:278 Resp: 611881

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.6	22.0
279	24.1	18.8	28.2

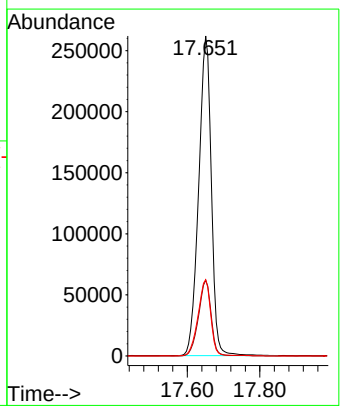




#92
Benzo(g,h,i)perylene
Concen: 43.359 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.006 min
Lab File: BF143101.D
Acq: 15 Jul 2025 17:27

Tgt Ion:276 Resp: 632939

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.2	28.8
138	23.9	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Quant Time: Jul 17 04:45:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

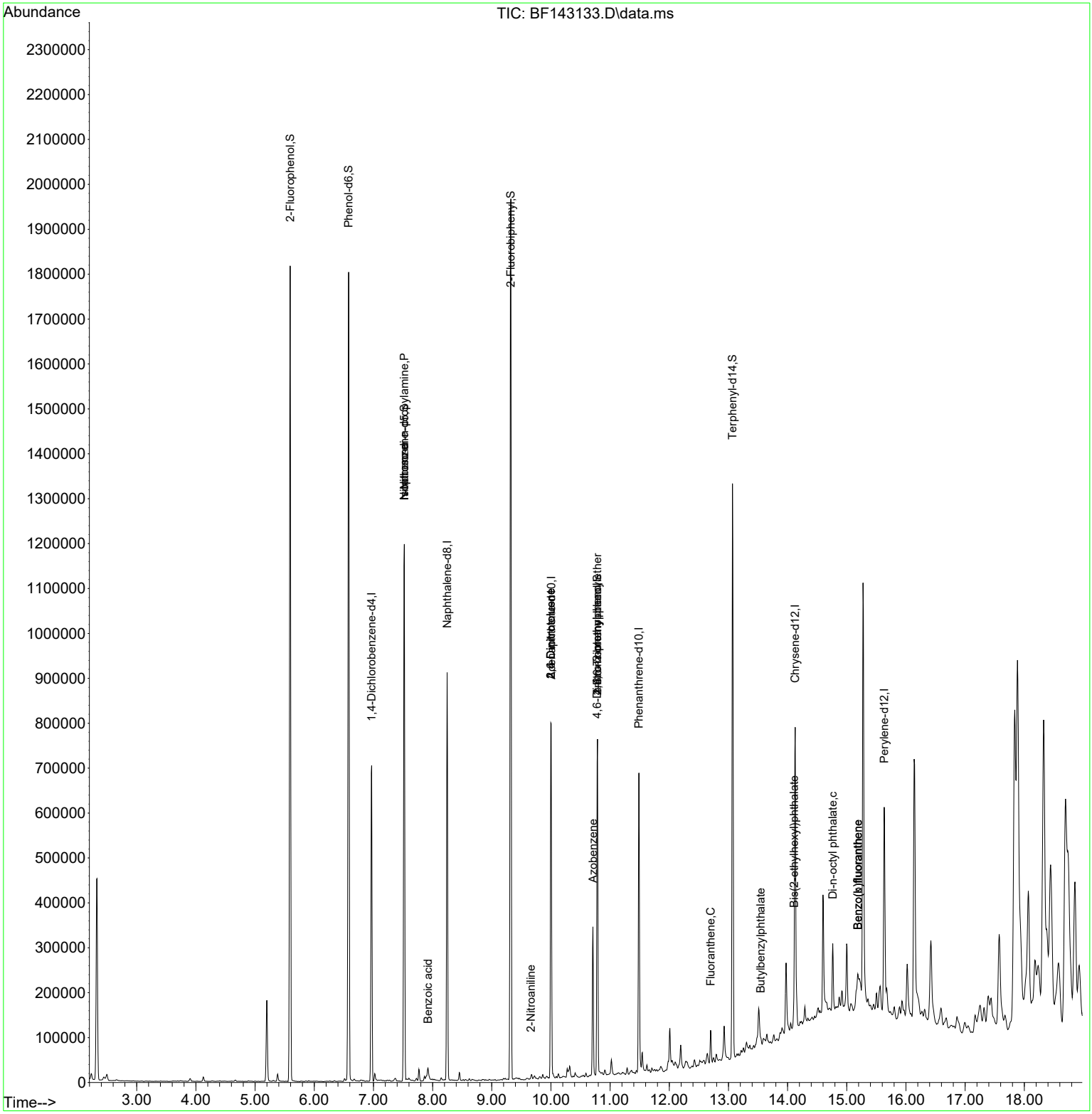
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	148153	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	532010	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	233880	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	324353	20.000	ng		0.00
76) Chrysene-d12	14.127	240	293654	20.000	ng		0.00
86) Perylene-d12	15.633	264	265449	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.592	112	640693	68.325	ng		0.00
7) Phenol-d6	6.581	99	820567	69.616	ng		0.00
23) Nitrobenzene-d5	7.522	82	513304	54.126	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	120229	57.653	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	859190	48.833	ng		0.00
79) Terphenyl-d14	13.068	244	594491	29.594	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	69327	9.600	ng	#	79
25) Isophorone	7.522	82	512068	27.935	ng	#	65
32) Benzoic acid	7.922	122	10466	8.654	ng		91
48) 2-Nitroaniline	9.663	65	54	3.188	ng	#	8
51) 2,6-Dinitrotoluene	9.998	165	29937	12.493	ng	#	17
57) 2,4-Dinitrotoluene	9.998	165	29937	11.061	ng	#	20
63) Azobenzene	10.710	77	81053	5.163	ng	#	1
65) 4,6-Dinitro-2-methylph...	10.780	198	143	5.582	ng	#	1
67) 4-Bromophenyl-phenylether	10.786	248	7427	2.013	ng	#	1
75) Fluoranthene	12.698	202	38282	2.405	ng		99
80) Butylbenzylphthalate	13.545	149	900	3.564	ng	#	21
84) Bis(2-ethylhexyl)phtha...	14.110	149	10200	4.559	ng	#	99
85) Di-n-octyl phthalate	14.762	149	19969	7.792	ng	#	54
88) Benzo(b)fluoranthene	15.186	252	62006	4.050	ng	#	91
89) Benzo(k)fluoranthene	15.186	252	62006	4.245	ng	#	91

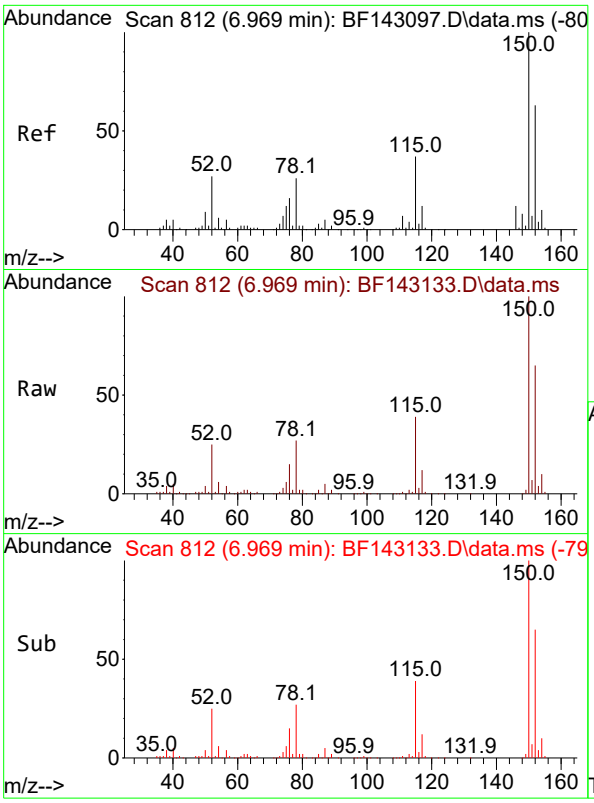
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143133.D
Acq On : 17 Jul 2025 03:32
Operator : RC/JU
Sample : Q2555-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Quant Time: Jul 17 04:45:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



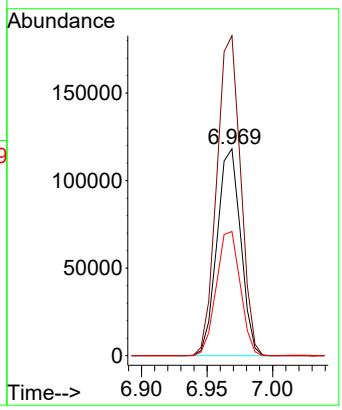


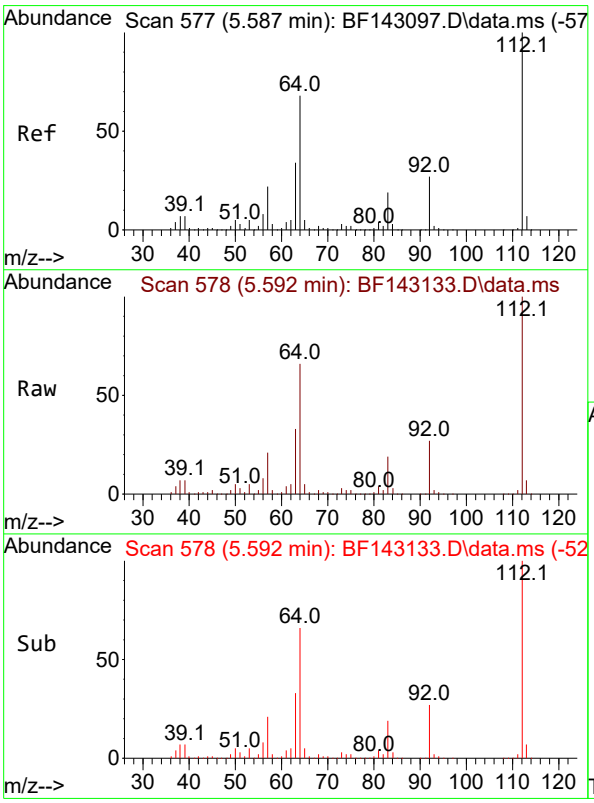
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:152 Resp: 148153

Ion	Ratio	Lower	Upper
152	100		
150	154.7	126.5	189.7
115	60.0	47.0	70.6

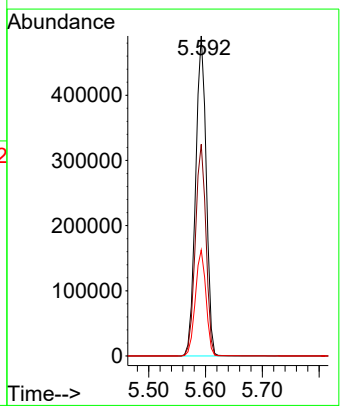


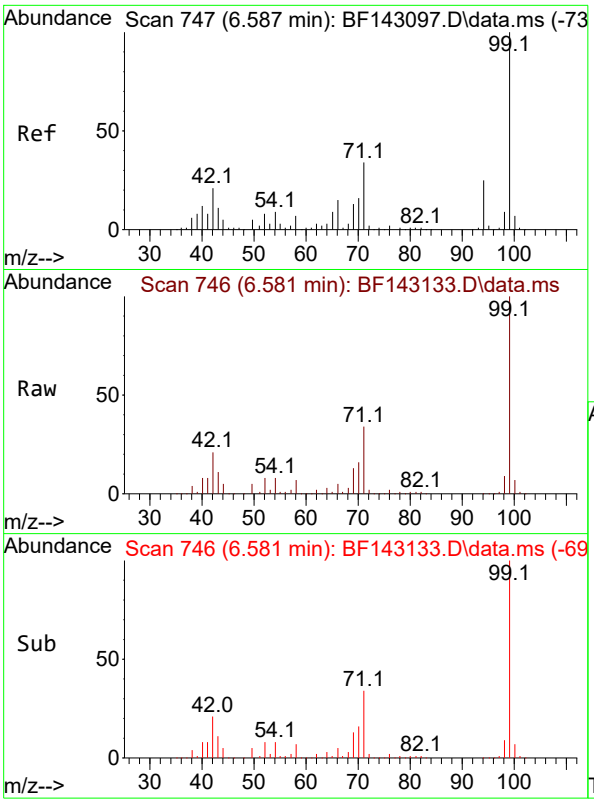


#5
2-Fluorophenol
Concen: 68.325 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:112 Resp: 640693

Ion	Ratio	Lower	Upper
112	100		
64	66.1	54.6	82.0
63	33.1	27.3	40.9



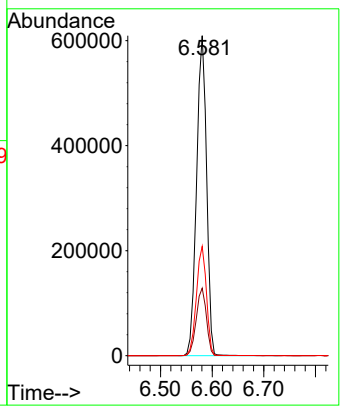


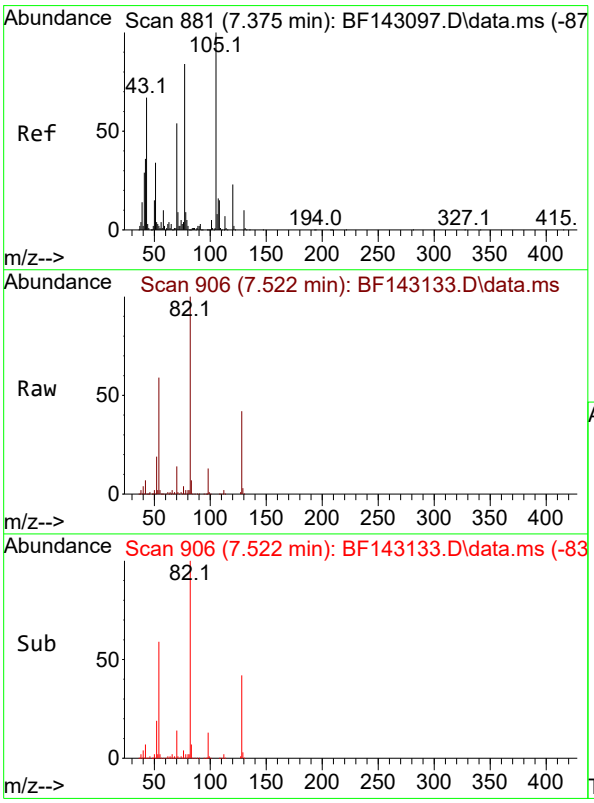
#7
Phenol-d6
Concen: 69.616 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion: 99 Resp: 820567

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.2	25.8
71	34.1	27.4	41.0

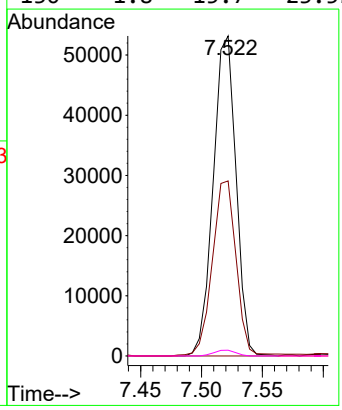


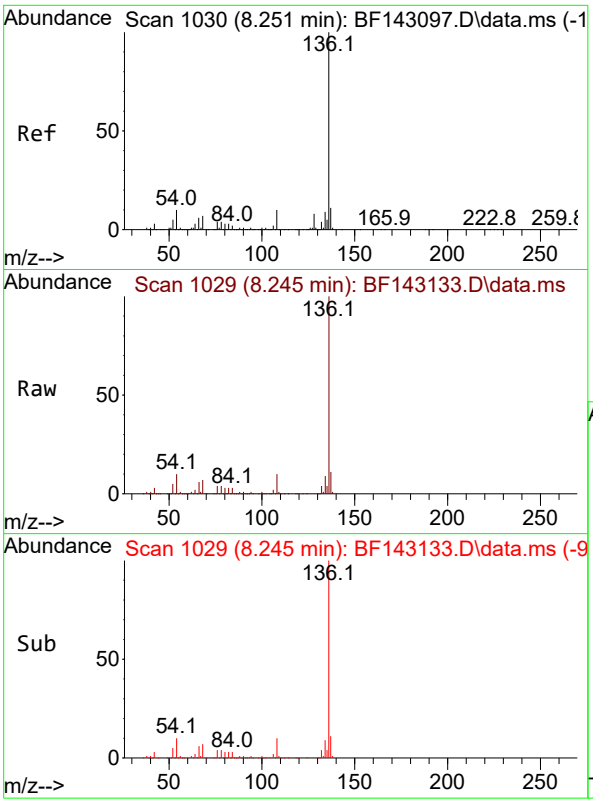


#19
n-Nitroso-di-n-propylamine
Concen: 9.600 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion: 70 Resp: 69327

Ion	Ratio	Lower	Upper
70	100		
42	54.7	53.2	79.8
101	0.0	7.5	11.3#
130	1.8	15.7	23.5#



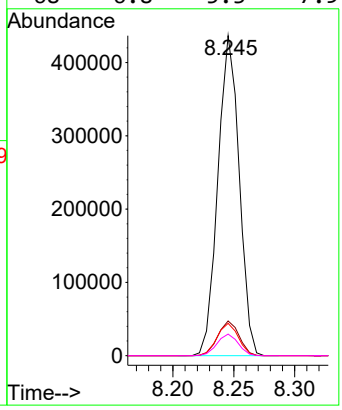


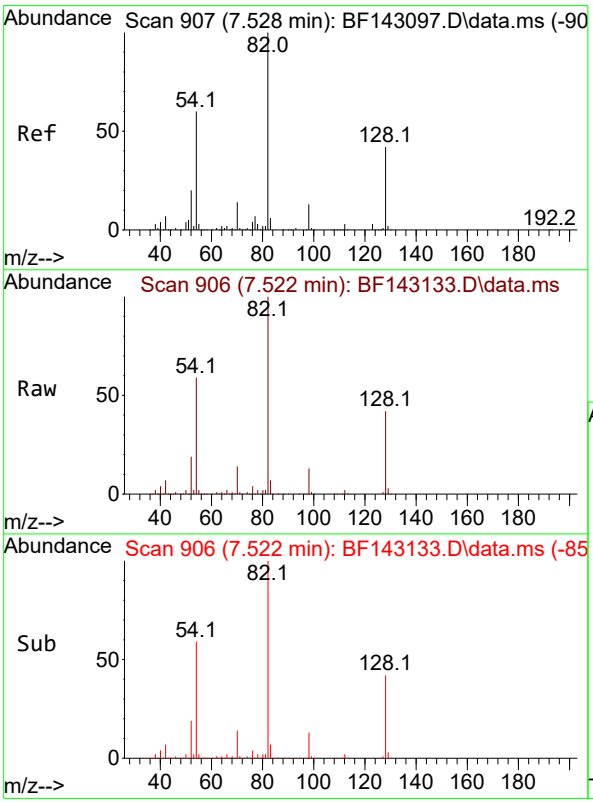
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:136 Resp: 532010

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.1	8.3	12.5
68	6.8	5.3	7.9

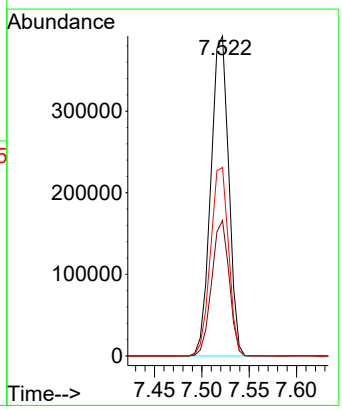


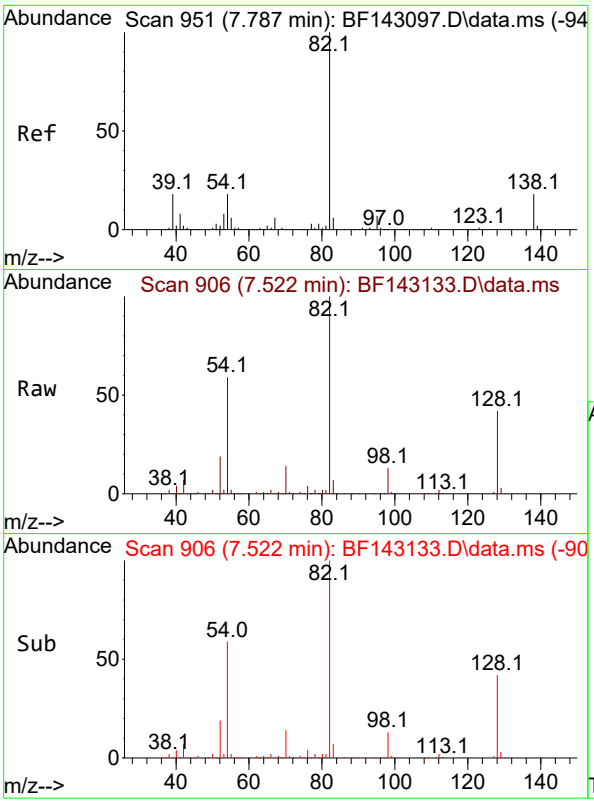


#23
Nitrobenzene-d5
Concen: 54.126 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion: 82 Resp: 513304

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	58.9	47.4	71.2



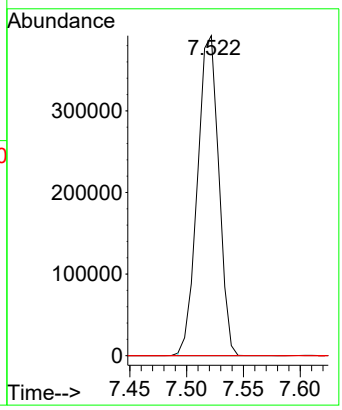


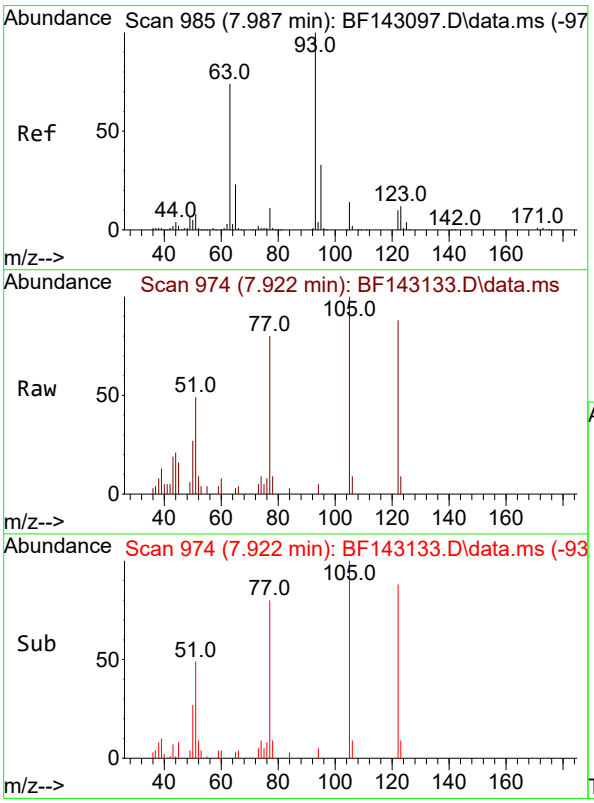
#25
Isophorone
Concen: 27.935 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion: 82 Resp: 512068

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

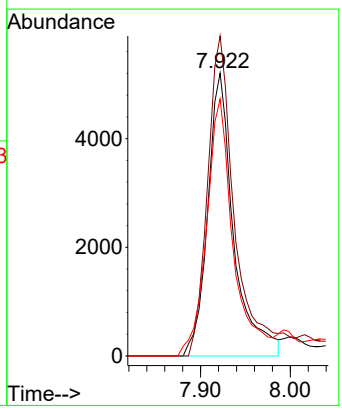


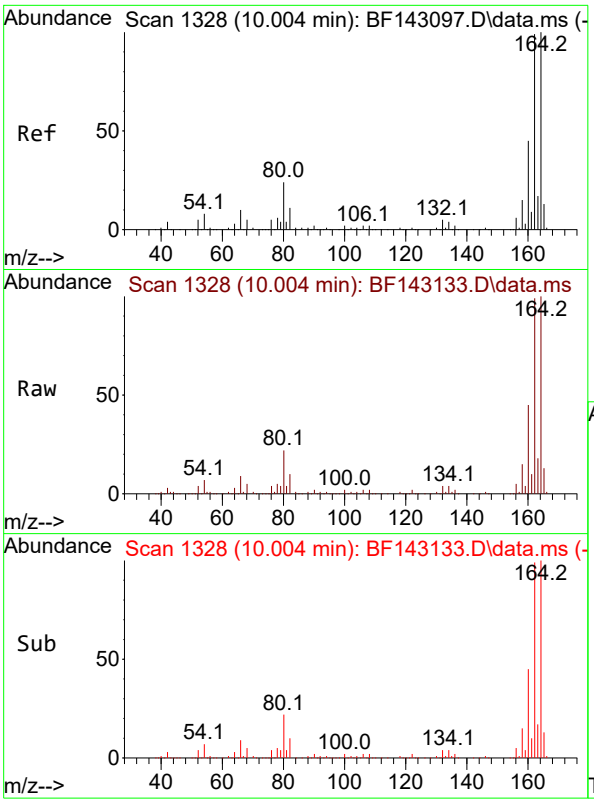


#32
Benzoic acid
Concen: 8.654 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:122 Resp: 10466

Ion	Ratio	Lower	Upper
122	100		
105	113.1	105.4	145.4
77	90.9	78.6	118.6



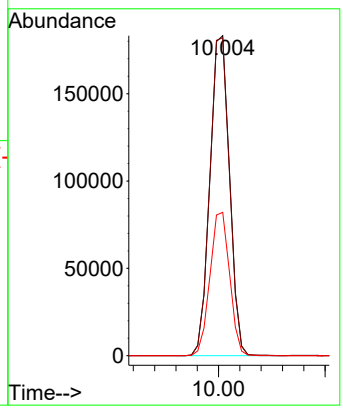


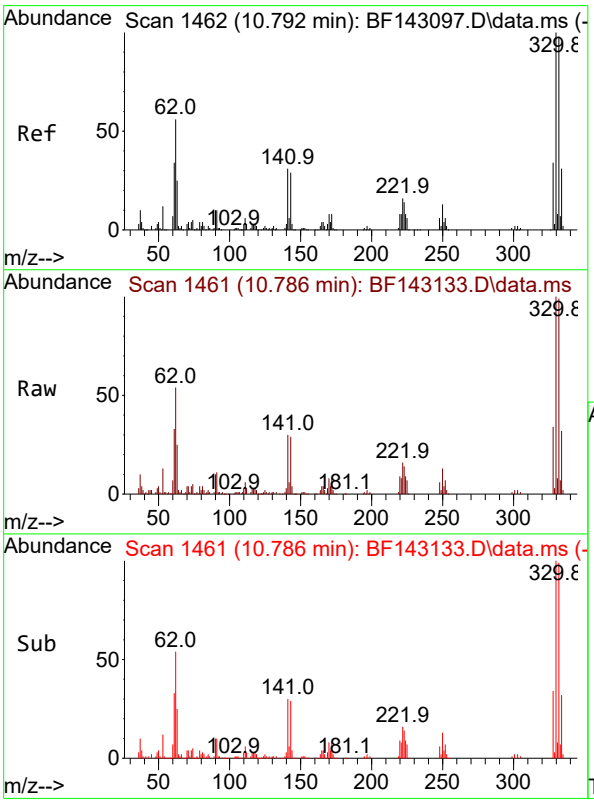
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:164 Resp: 233880

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.0	118.6
160	44.8	35.8	53.6

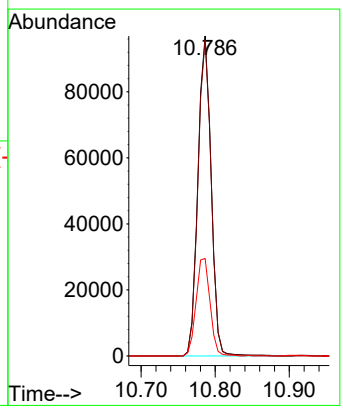


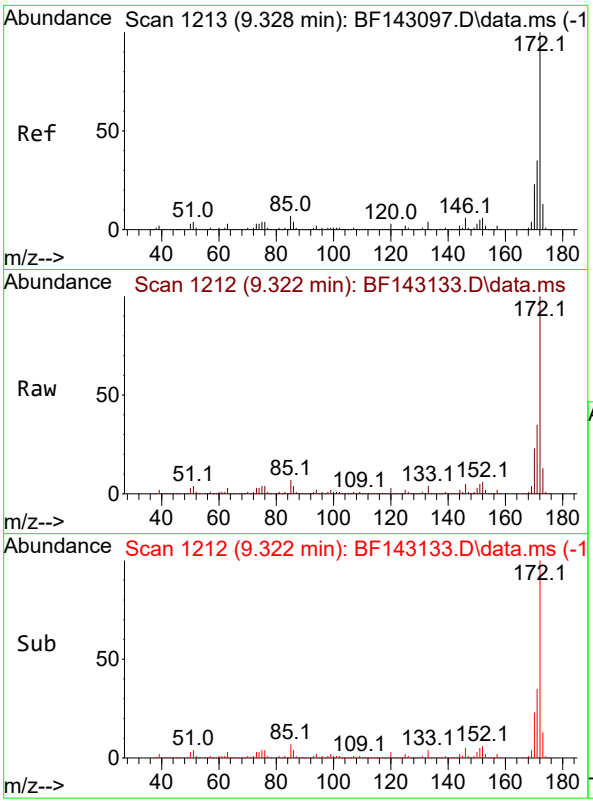


#42
2,4,6-Tribromophenol
Concen: 57.653 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:330 Resp: 120229

Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.9	116.9
141	32.1	25.9	38.9



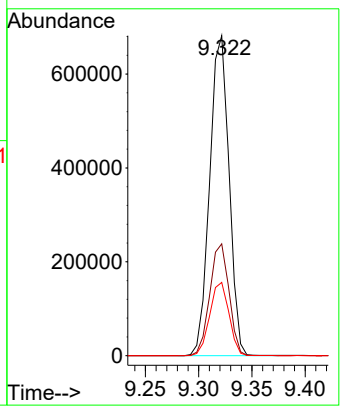


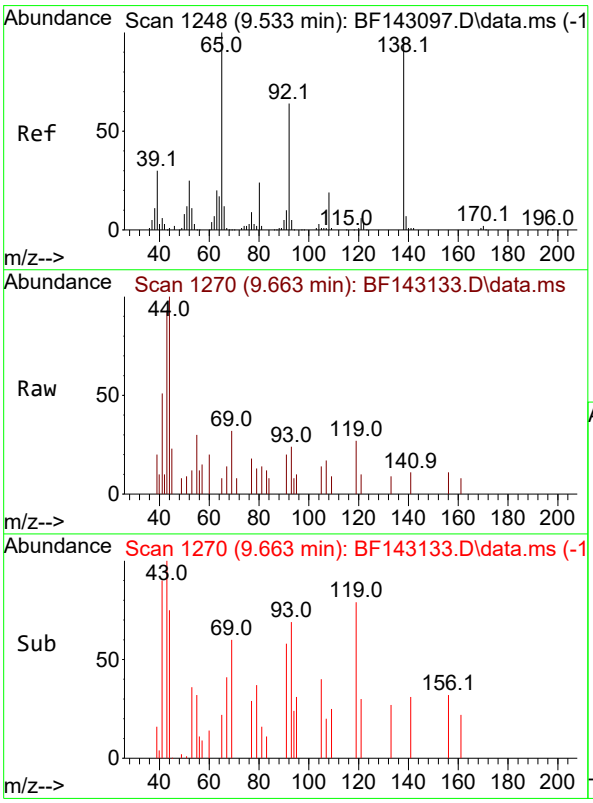
#45
2-Fluorobiphenyl
Concen: 48.833 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:172 Resp: 859190

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.4
170	22.9	18.6	28.0

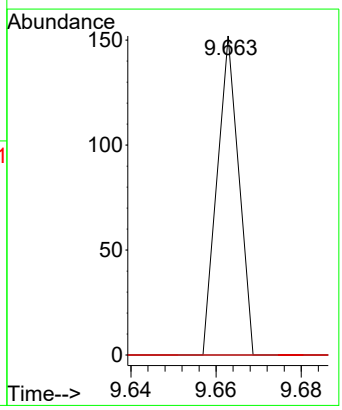


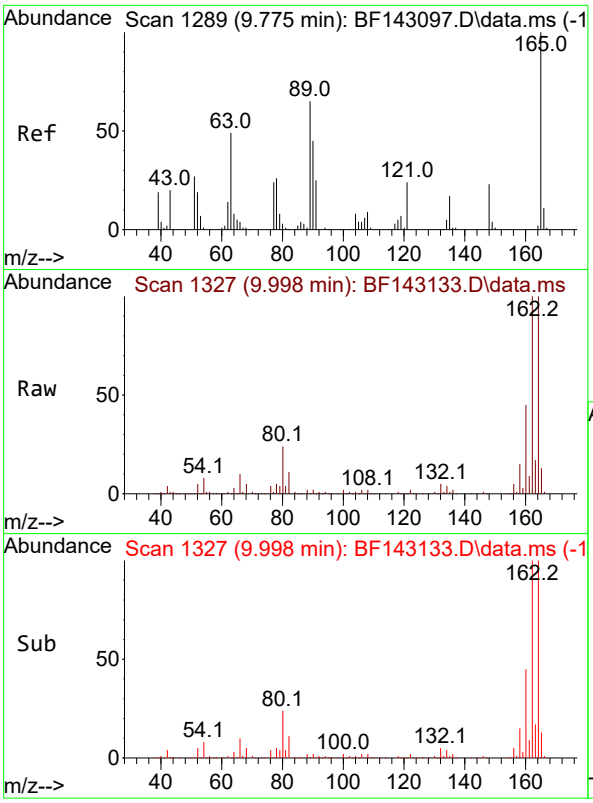


#48
2-Nitroaniline
Concen: 3.188 ng
RT: 9.663 min Scan# 1270
Delta R.T. 0.130 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion: 65 Resp: 54

Ion	Ratio	Lower	Upper
65	100		
92	0.0	51.3	76.9#
138	0.0	77.8	116.6#



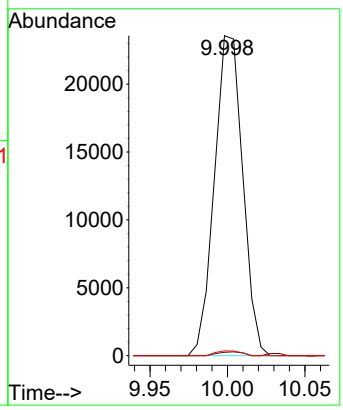


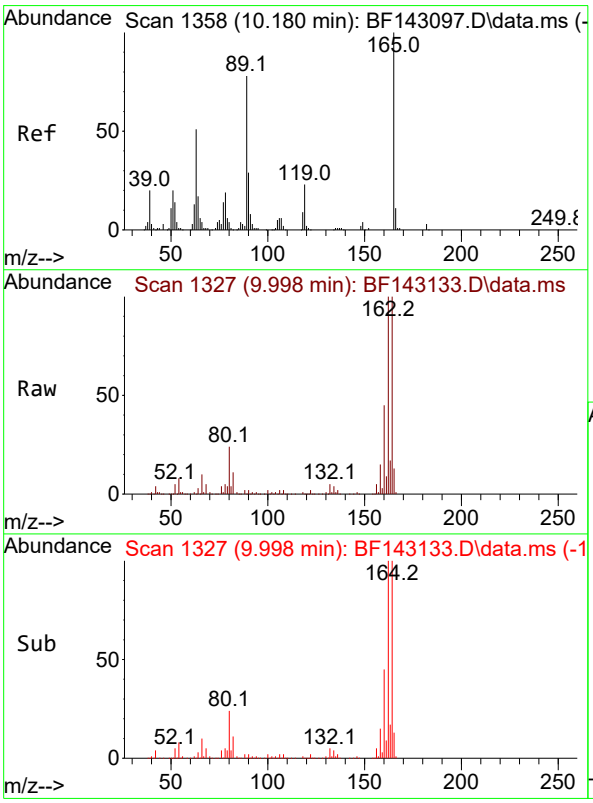
#51
2,6-Dinitrotoluene
Concen: 12.493 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.223 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:165 Resp: 29937

Ion	Ratio	Lower	Upper
165	100		
63	1.0	57.4	86.0#
89	1.5	51.8	77.8#

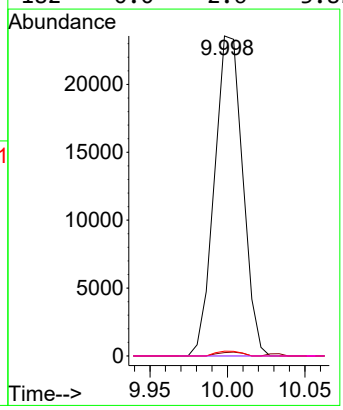


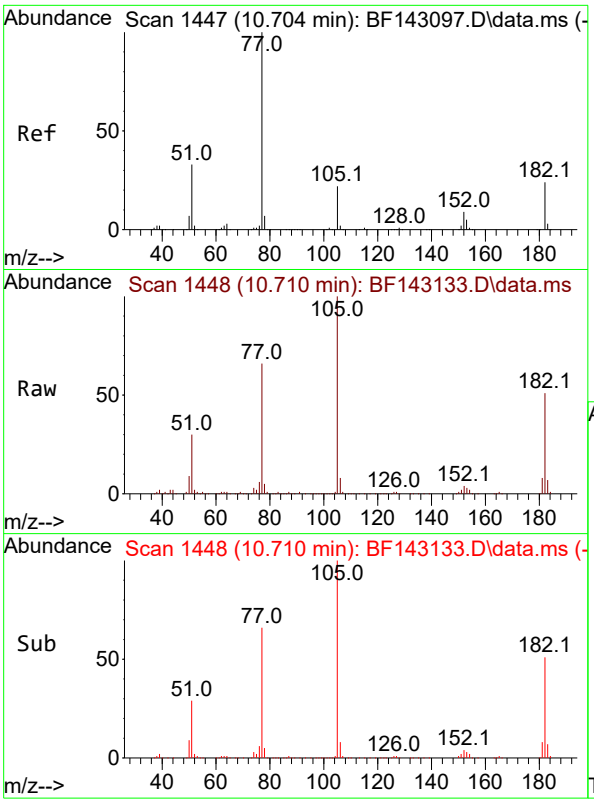


#57
2,4-Dinitrotoluene
Concen: 11.061 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.182 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:165 Resp: 29937

Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.6	61.0#
89	1.5	62.3	93.5#
182	0.0	2.6	3.8#



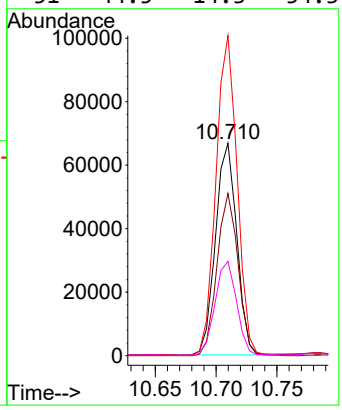


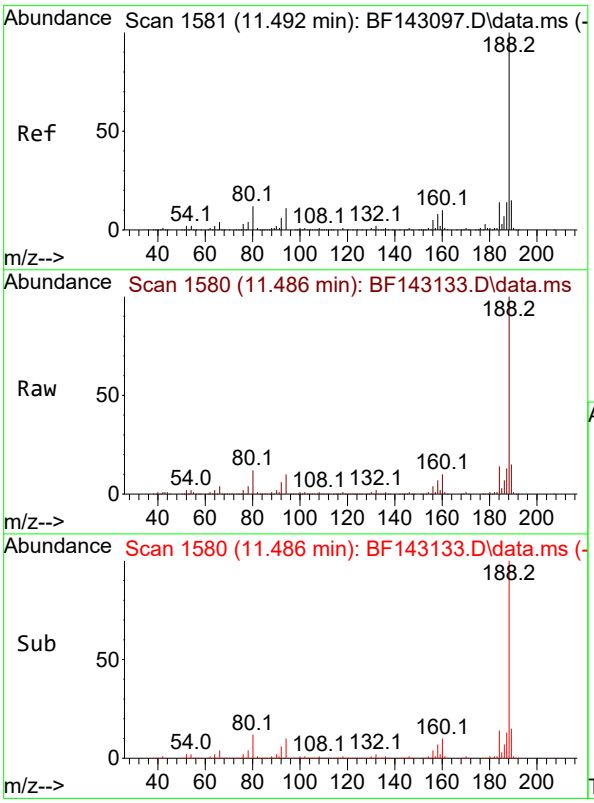
#63
Azobenzene
Concen: 5.163 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion: 77 Resp: 81053

Ion	Ratio	Lower	Upper
77	100		
182	76.4	4.0	44.0#
105	150.7	1.4	41.4#
51	44.5	14.3	54.3

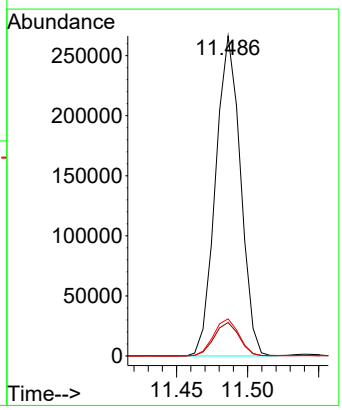


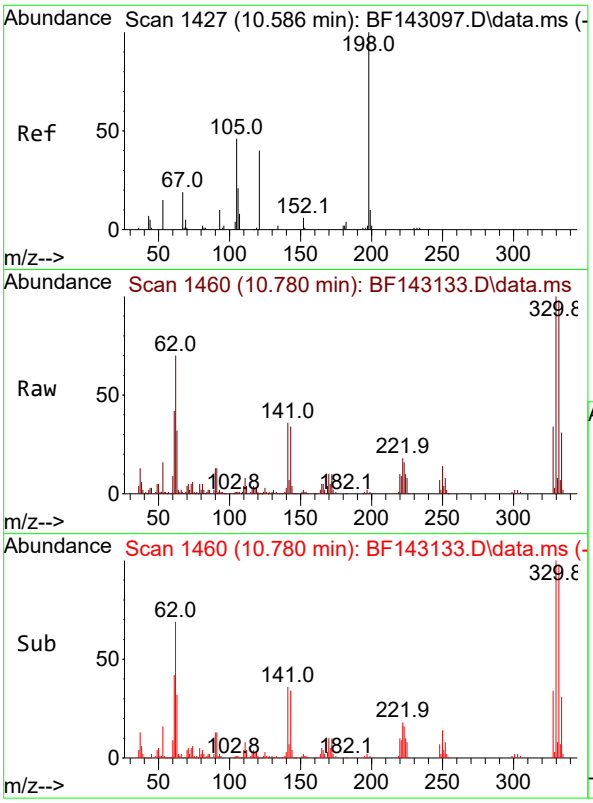


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:188 Resp: 324353

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.6	13.0
80	11.6	9.3	13.9



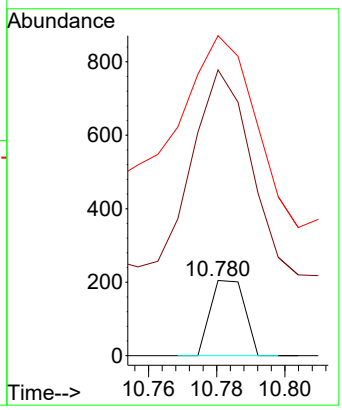


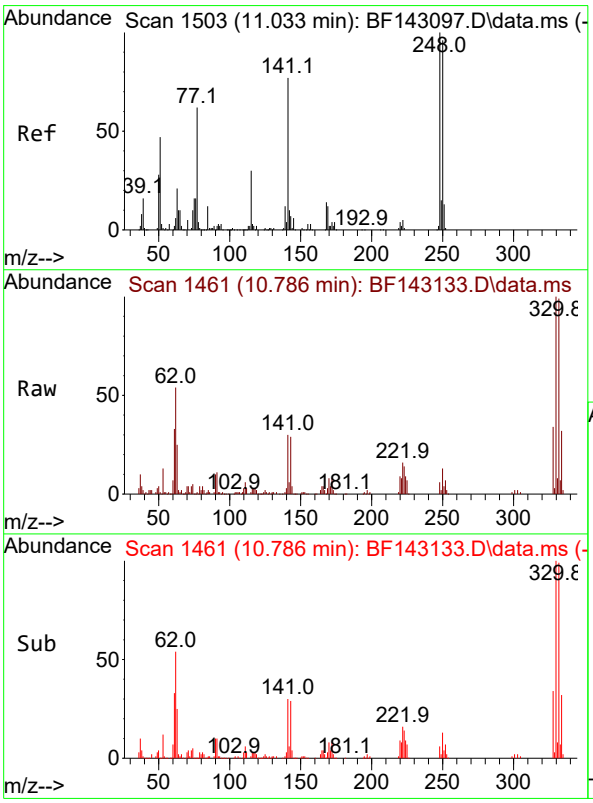
#65
4,6-Dinitro-2-methylphenol
Concen: 5.582 ng
RT: 10.780 min Scan# 14
Delta R.T. 0.194 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:198 Resp: 143

Ion	Ratio	Lower	Upper
198	100		
51	379.5	44.6	84.6#
105	424.9	29.3	69.3#

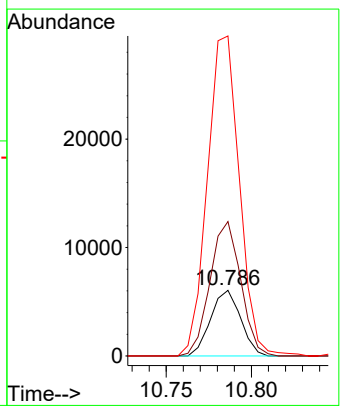


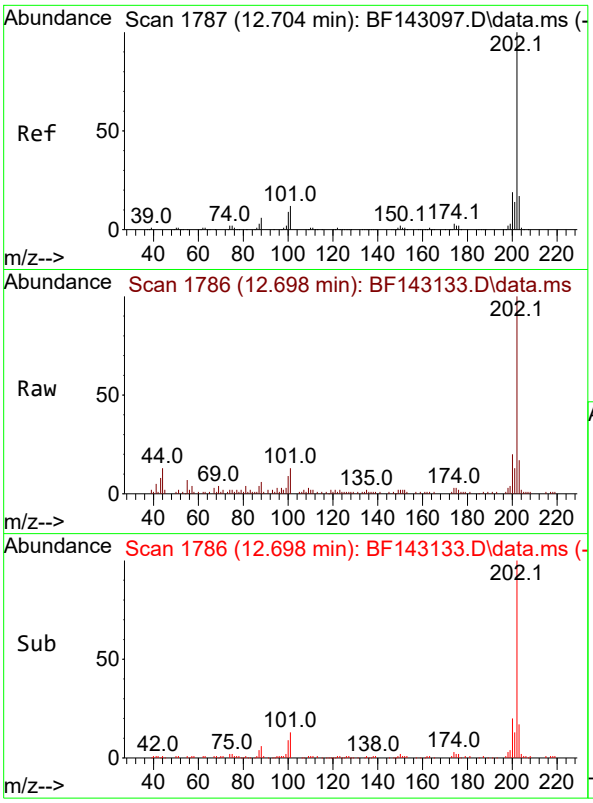


#67
4-Bromophenyl-phenylether
Concen: 2.013 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:248 Resp: 7427

Ion	Ratio	Lower	Upper
248	100		
250	204.9	76.7	115.1#
141	487.6	61.7	92.5#



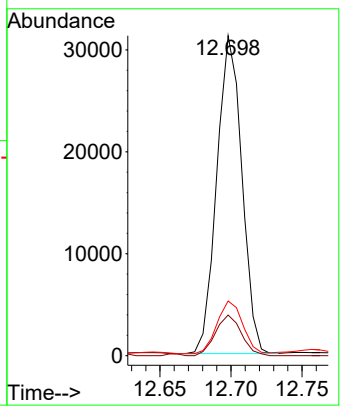


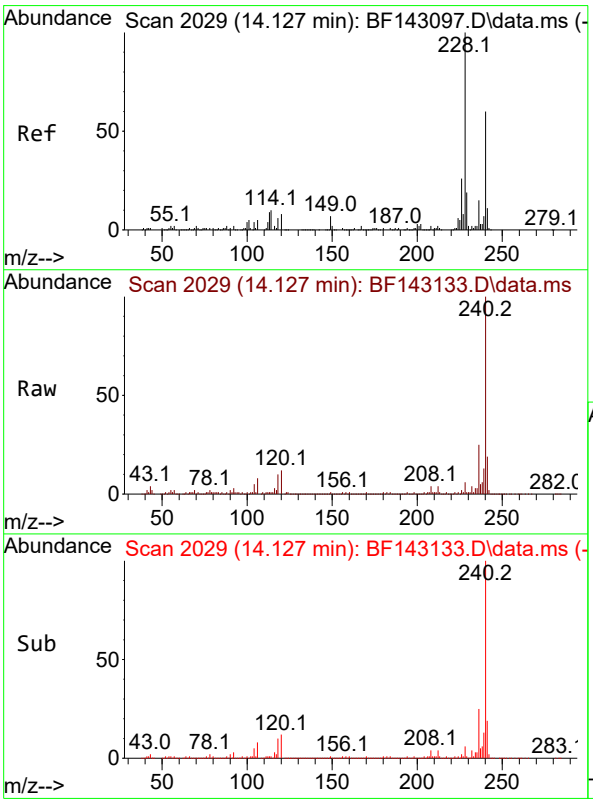
#75
Fluoranthene
Concen: 2.405 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:202 Resp: 38282

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	32.4
203	17.1	0.0	37.4

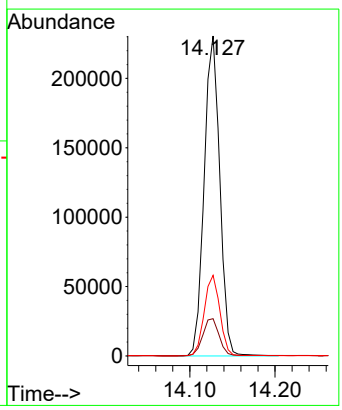


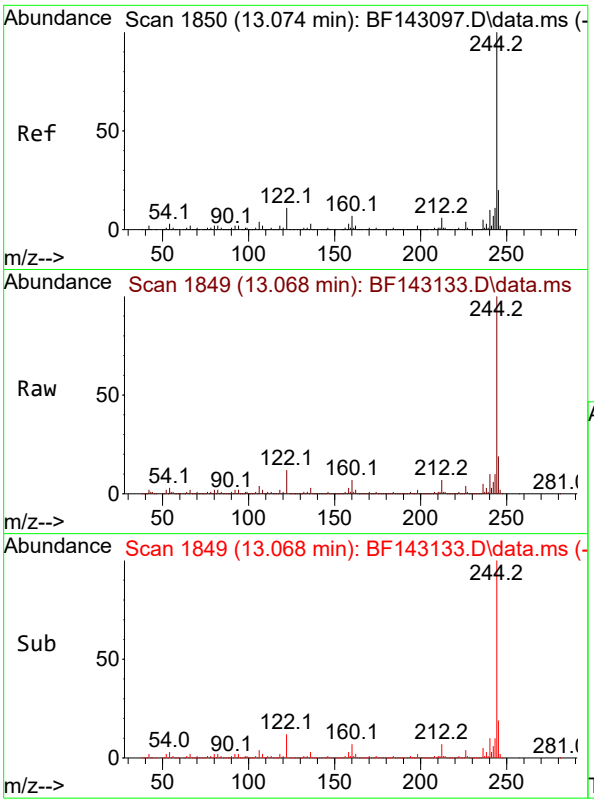


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:240 Resp: 293654

Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.0	15.0
236	25.2	20.0	30.0



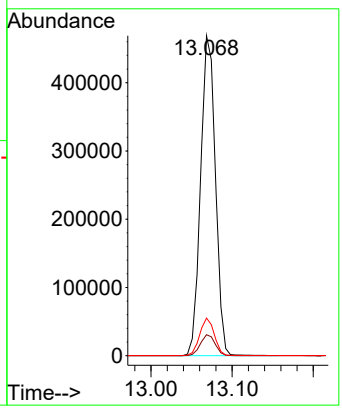


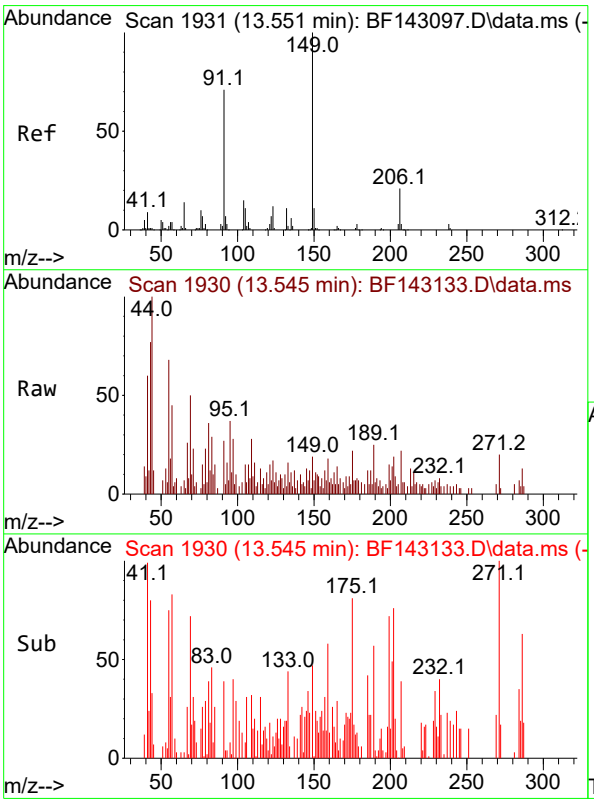
#79
Terphenyl-d14
Concen: 29.594 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:244 Resp: 594491

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	11.7	8.8	13.2

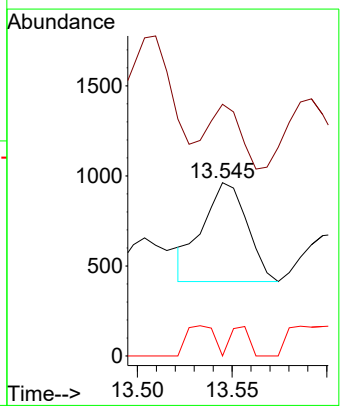


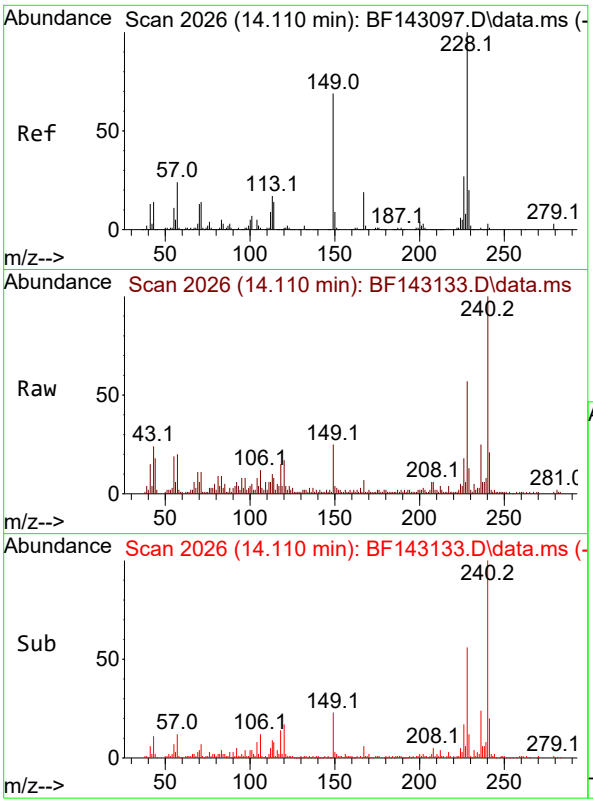


#80
Butylbenzylphthalate
Concen: 3.564 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:149 Resp: 900

Ion	Ratio	Lower	Upper
149	100		
91	145.3	57.0	85.4#
206	0.0	17.2	25.8#



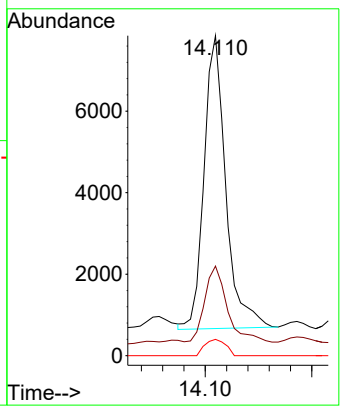


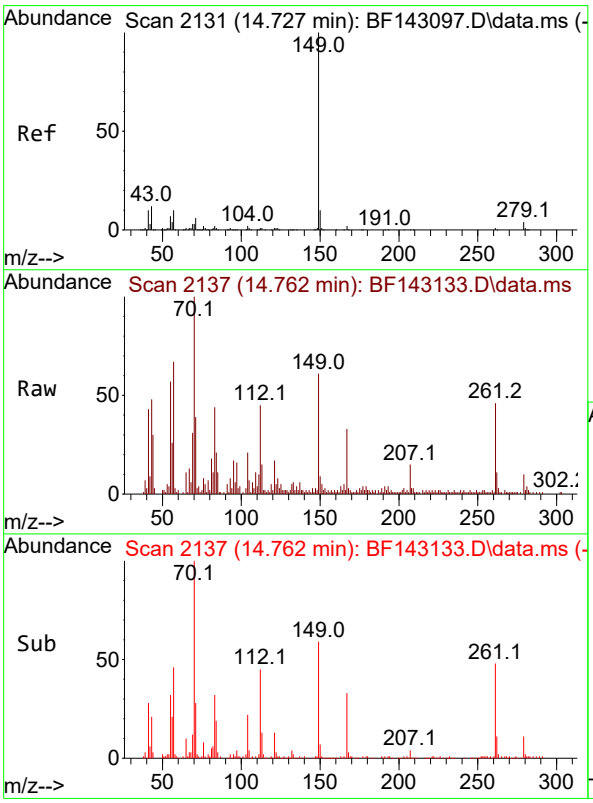
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.559 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:149 Resp: 10200

Ion	Ratio	Lower	Upper
149	100		
167	28.0	21.9	32.9
279	5.1	3.4	5.0#

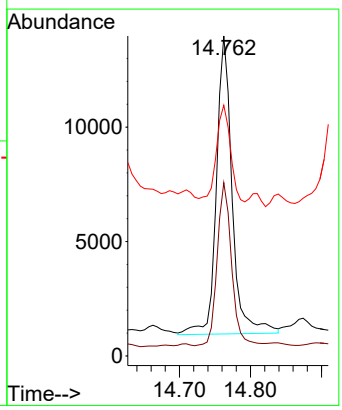


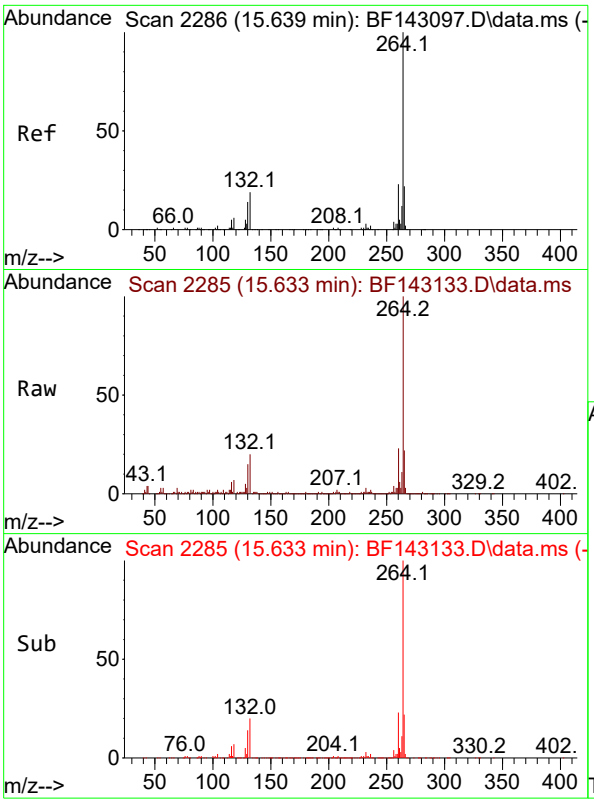


#85
Di-n-octyl phthalate
Concen: 7.792 ng
RT: 14.762 min Scan# 2137
Delta R.T. 0.035 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:149 Resp: 19969

Ion	Ratio	Lower	Upper
149	100		
167	49.7	1.2	1.8#
43	28.3	10.6	16.0#



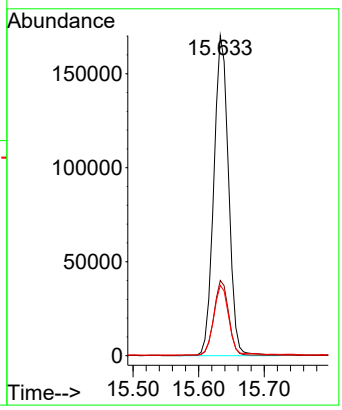


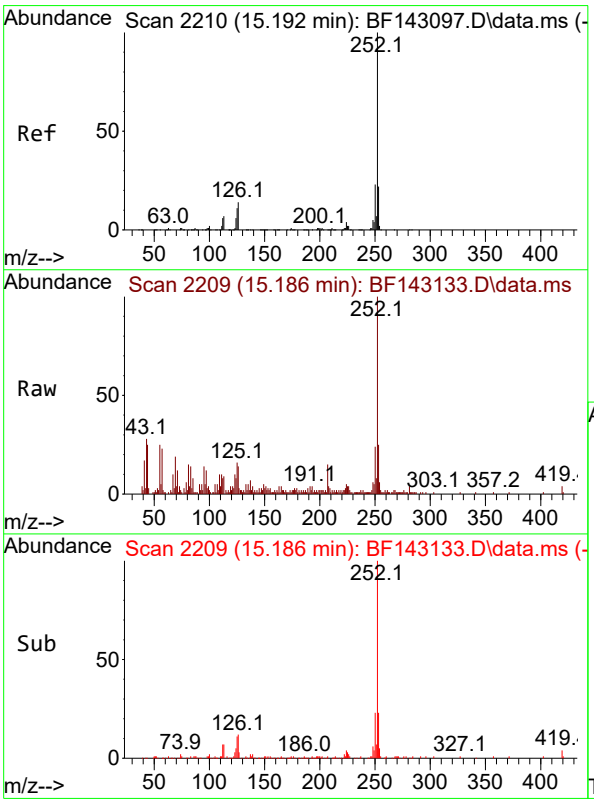
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:264 Resp: 265449

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.0	17.5	26.3

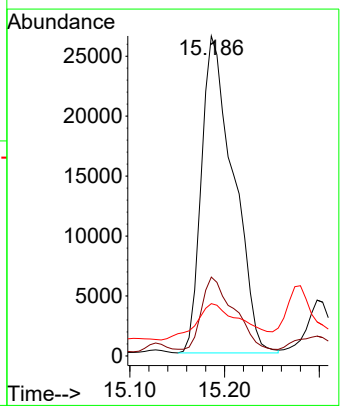


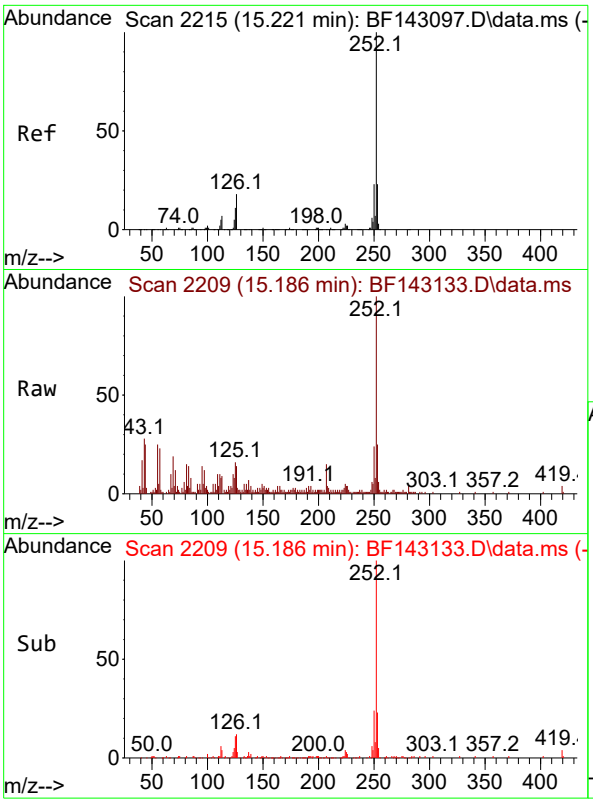


#88
Benzo(b)fluoranthene
Concen: 4.050 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:252 Resp: 62006

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.5	26.3
125	16.3	8.6	13.0#



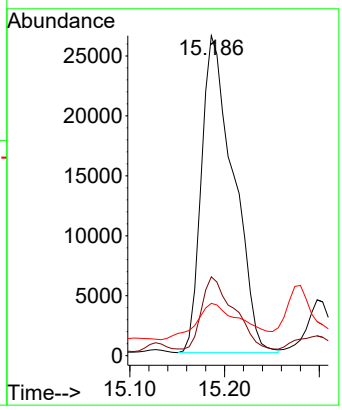


#89
Benzo(k)fluoranthene
Concen: 4.245 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:252 Resp: 62006

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.4	26.2
125	16.3	8.5	12.7#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Quant Time: Jul 17 04:46:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration

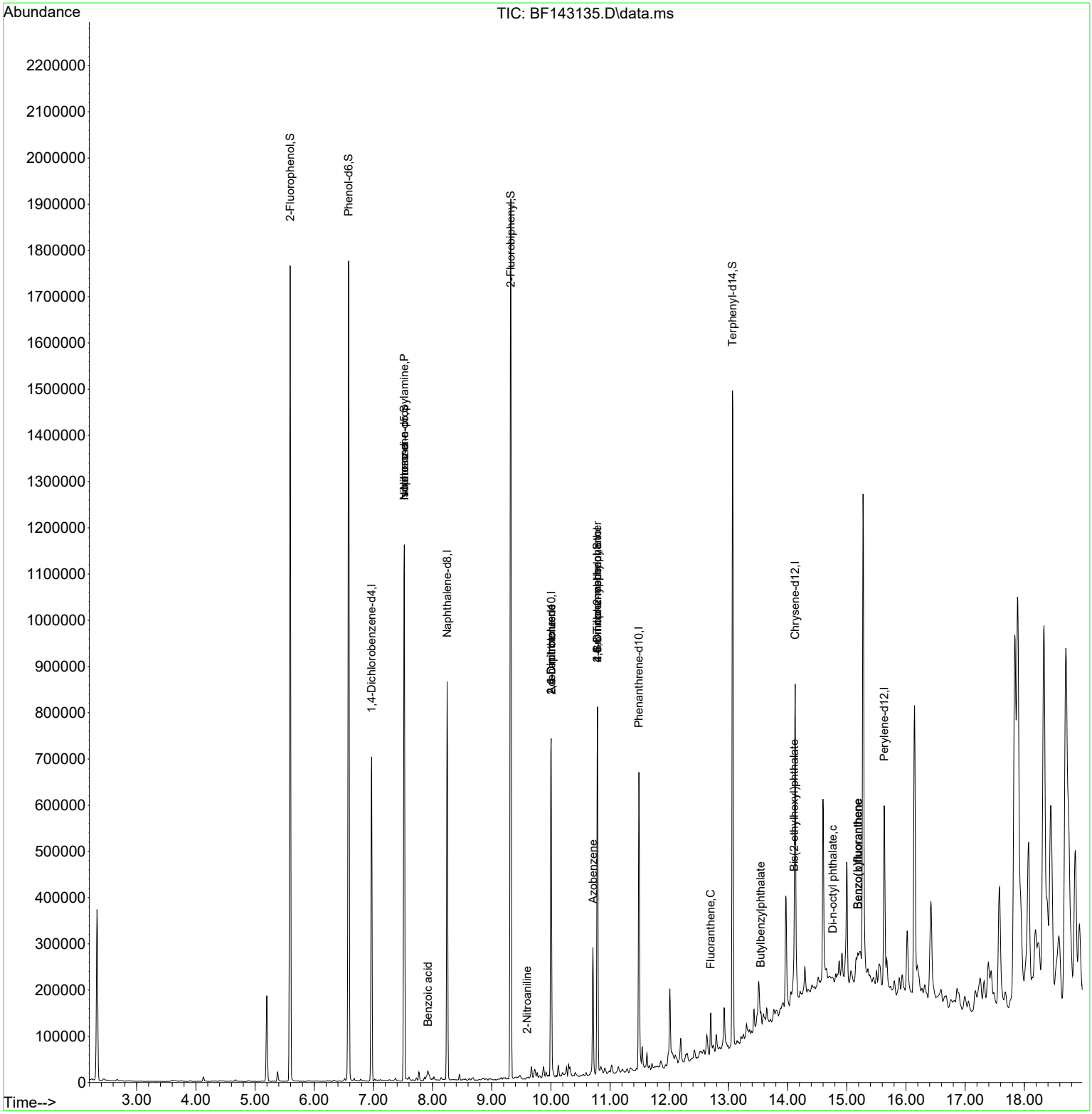
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.969	152	144850	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	503587	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	212132	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	313345	20.000	ng		0.00
76) Chrysene-d12	14.127	240	292725	20.000	ng		0.00
86) Perylene-d12	15.633	264	230038	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.592	112	617315	67.333	ng		0.00
7) Phenol-d6	6.581	99	799294	69.357	ng		0.00
23) Nitrobenzene-d5	7.522	82	490298	54.618	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	127302	67.303	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	824001	51.634	ng		0.00
79) Terphenyl-d14	13.068	244	683589	34.137	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	66722	9.450	ng	#	79
25) Isophorone	7.522	82	488330	28.144	ng	#	65
32) Benzoic acid	7.922	122	9781	8.627	ng		90
48) 2-Nitroaniline	9.598	65	115	3.204	ng	#	8
51) 2,6-Dinitrotoluene	10.004	165	27146	12.490	ng	#	17
57) 2,4-Dinitrotoluene	10.004	165	27146	11.059	ng	#	20
63) Azobenzene	10.710	77	65474	4.598	ng	#	1
65) 4,6-Dinitro-2-methylph...	10.786	198	131	5.576	ng	#	1
67) 4-Bromophenyl-phenylether	10.786	248	8144	2.285	ng	#	1
75) Fluoranthene	12.698	202	44404	2.888	ng		98
80) Butylbenzylphthalate	13.545	149	739	3.537	ng	#	38
84) Bis(2-ethylhexyl)phtha...	14.110	149	12473	4.819	ng		95
85) Di-n-octyl phthalate	14.762	149	897	6.741	ng	#	62
88) Benzo(b)fluoranthene	15.186	252	45491	3.428	ng	#	82
89) Benzo(k)fluoranthene	15.186	252	45491	3.594	ng	#	82

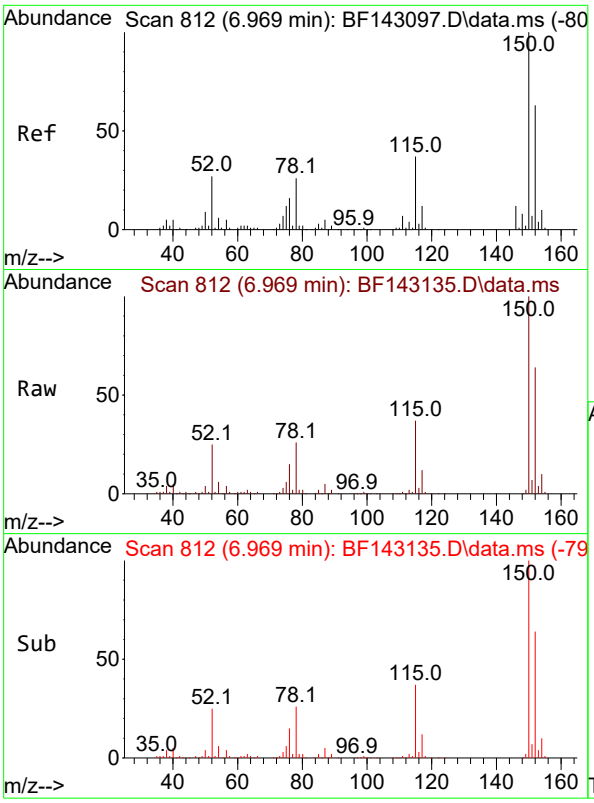
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
Data File : BF143135.D
Acq On : 17 Jul 2025 04:31
Operator : RC/JU
Sample : Q2555-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Quant Time: Jul 17 04:46:18 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 15 17:53:25 2025
Response via : Initial Calibration



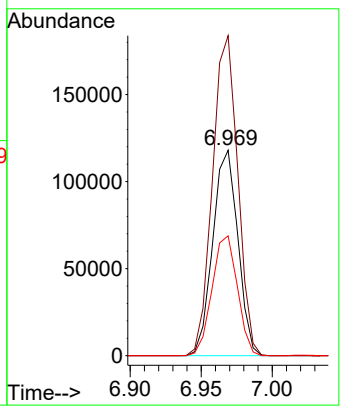


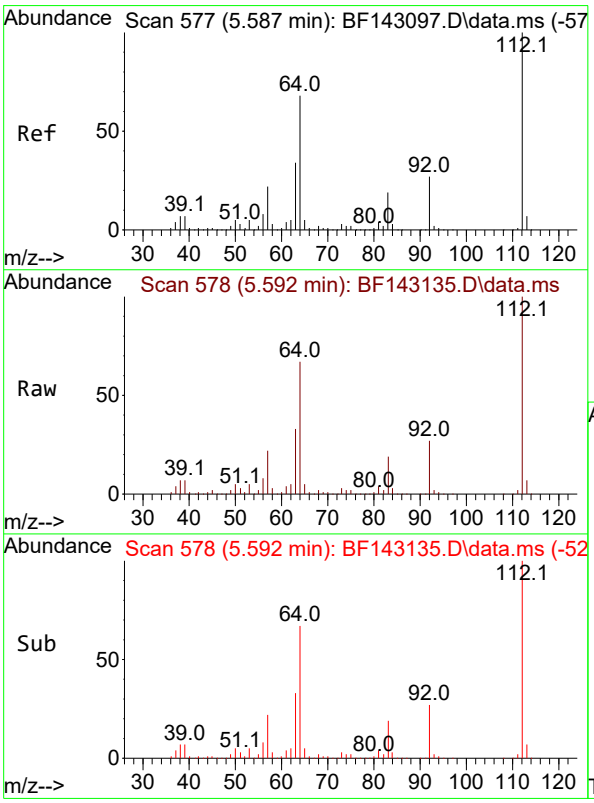
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:152 Resp: 144850

Ion	Ratio	Lower	Upper
152	100		
150	155.8	126.5	189.7
115	58.4	47.0	70.6

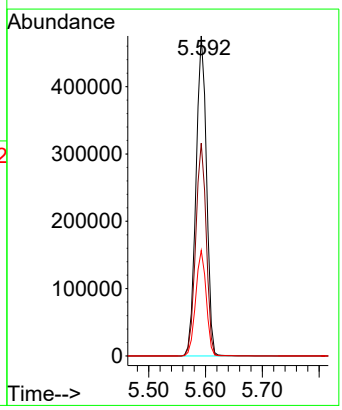


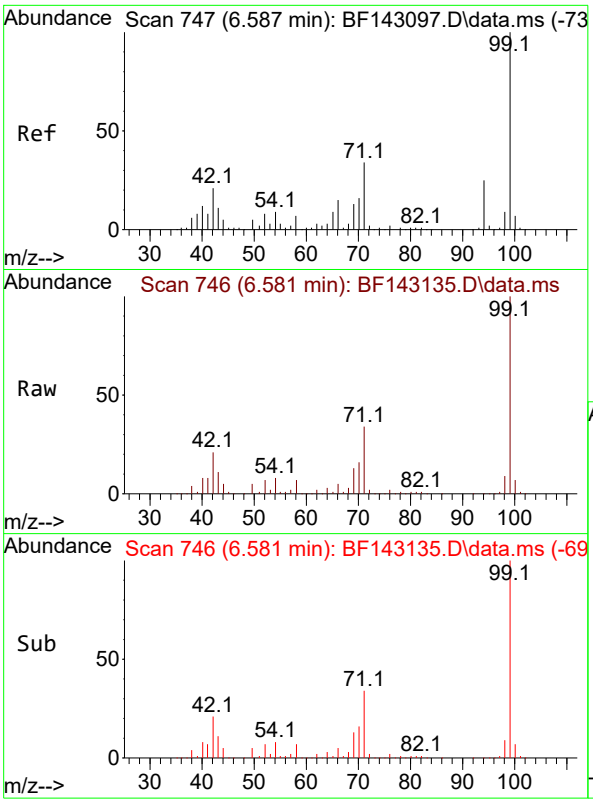


#5
2-Fluorophenol
Concen: 67.333 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:112 Resp: 617315

Ion	Ratio	Lower	Upper
112	100		
64	66.5	54.6	82.0
63	32.9	27.3	40.9



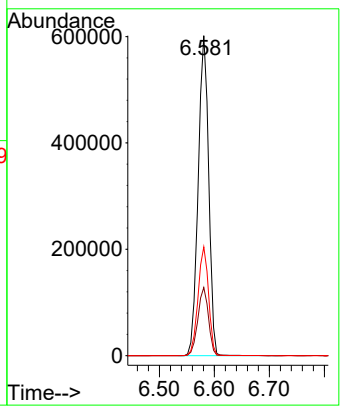


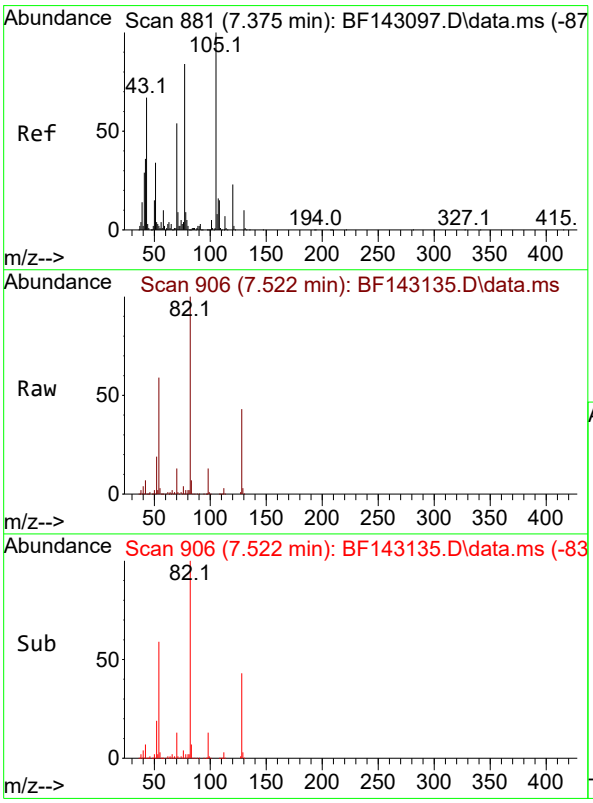
#7
Phenol-d6
Concen: 69.357 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion: 99 Resp: 799294

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.2	25.8
71	34.0	27.4	41.0

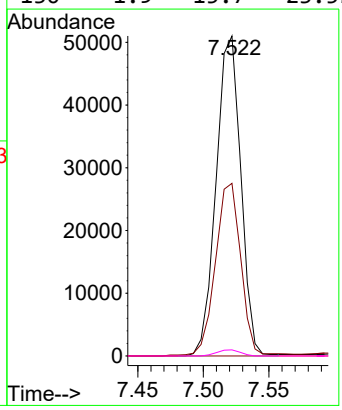


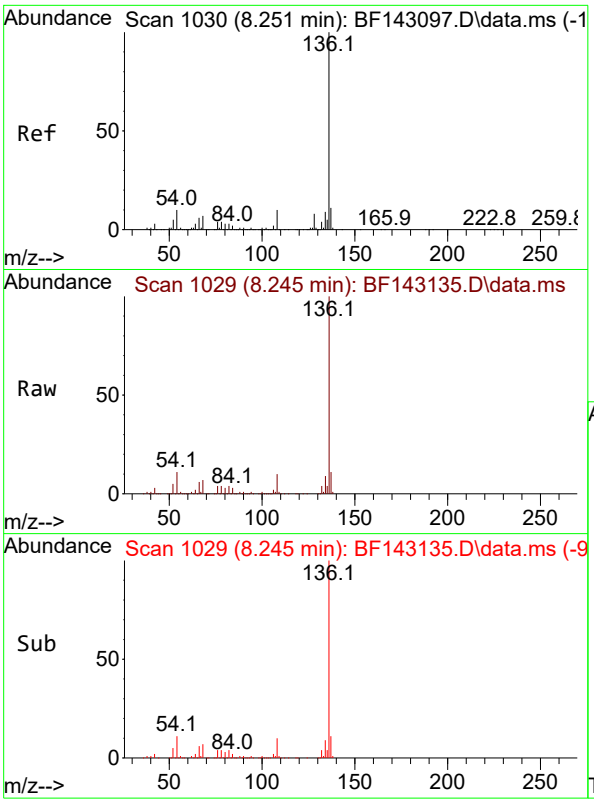


#19
n-Nitroso-di-n-propylamine
Concen: 9.450 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion: 70 Resp: 66722

Ion	Ratio	Lower	Upper
70	100		
42	54.0	53.2	79.8
101	0.0	7.5	11.3#
130	1.9	15.7	23.5#



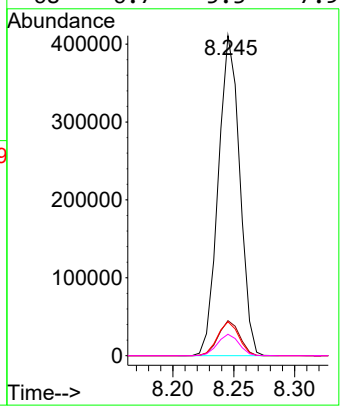


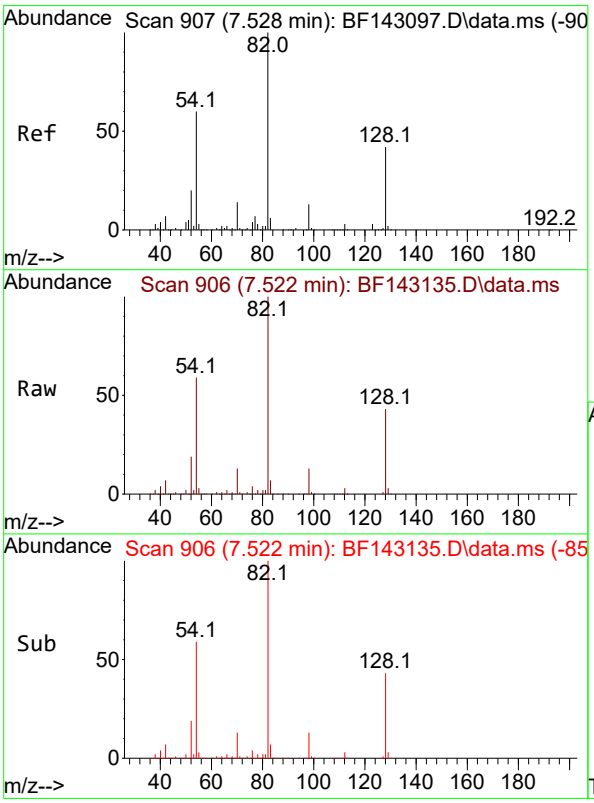
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:136 Resp: 503587

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.6	8.3	12.5
68	6.7	5.3	7.9

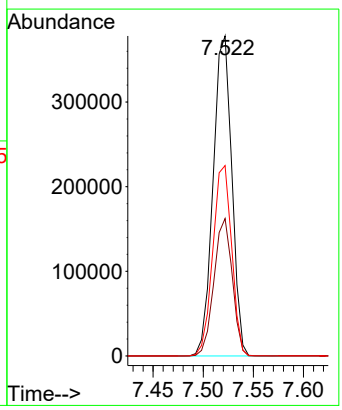


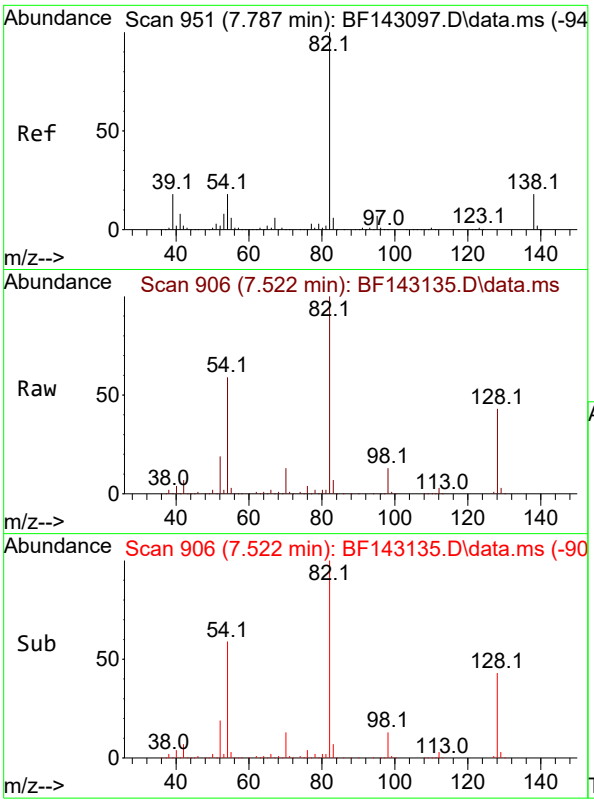


#23
Nitrobenzene-d5
Concen: 54.618 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion: 82 Resp: 490298

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	59.5	47.4	71.2



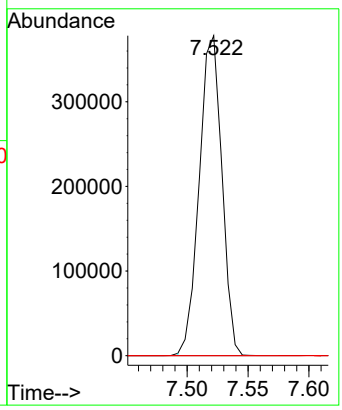


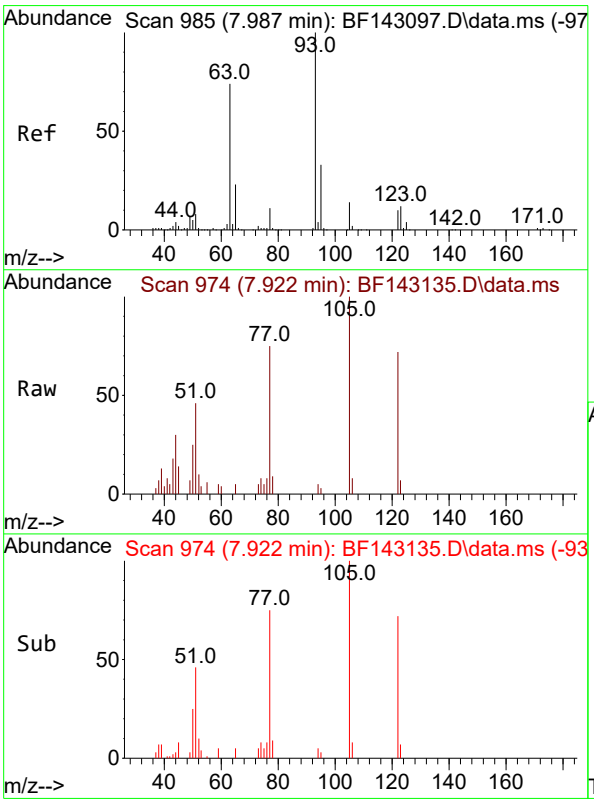
#25
Isophorone
Concen: 28.144 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion: 82 Resp: 488330

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.6	8.4#
138	0.0	14.3	21.5#

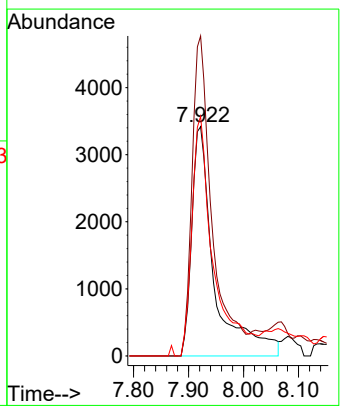


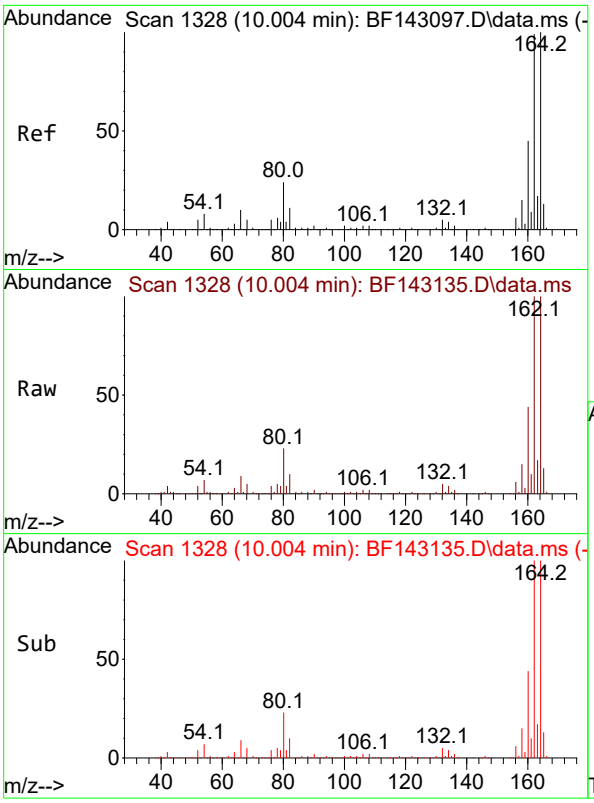


#32
Benzoic acid
Concen: 8.627 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:122 Resp: 9781

Ion	Ratio	Lower	Upper
122	100		
105	139.6	105.4	145.4
77	104.5	78.6	118.6



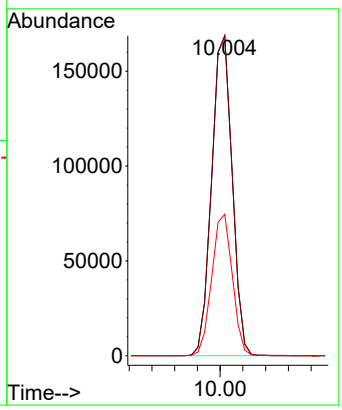


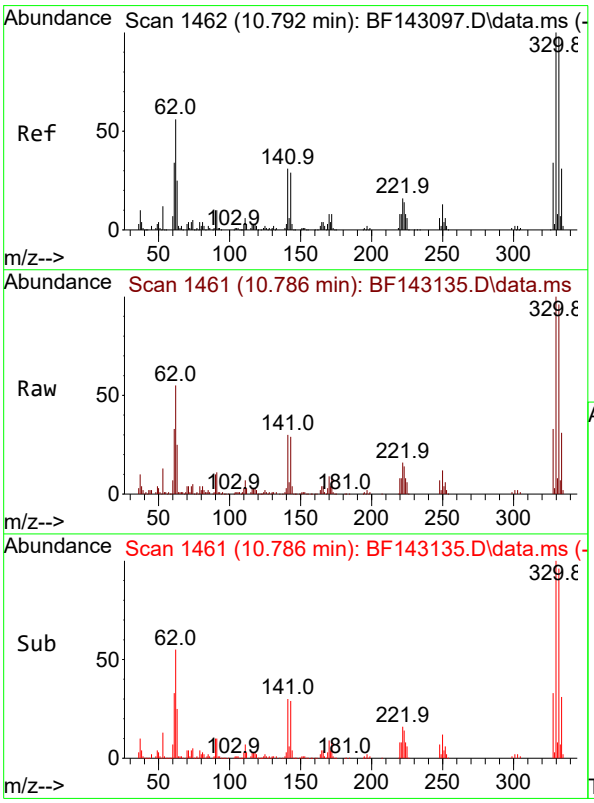
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:164 Resp: 212132

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.0	118.6
160	44.2	35.8	53.6

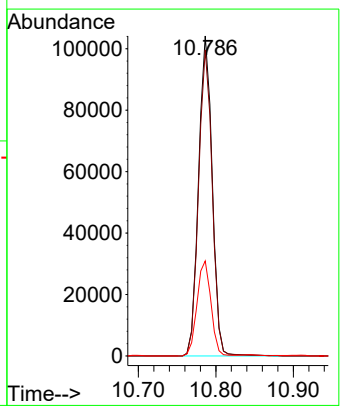


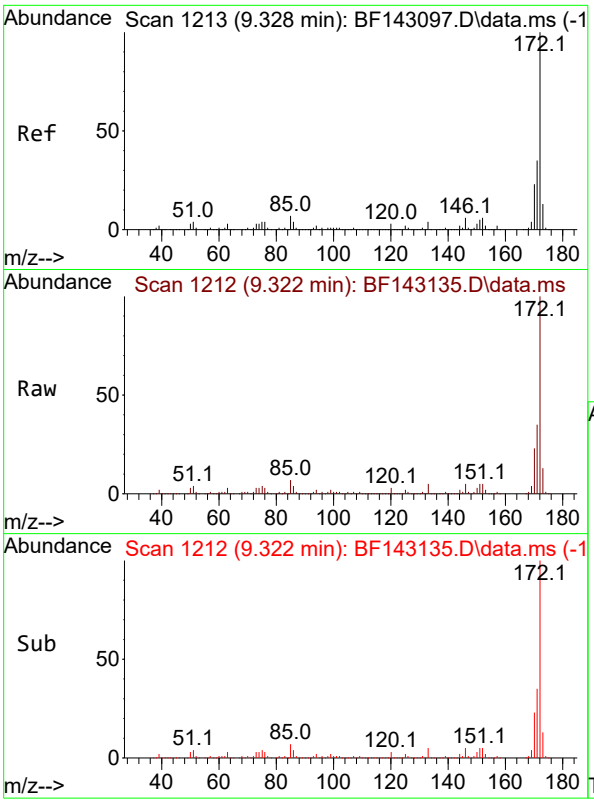


#42
2,4,6-Tribromophenol
Concen: 67.303 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:330 Resp: 127302

Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.9	116.9
141	30.3	25.9	38.9



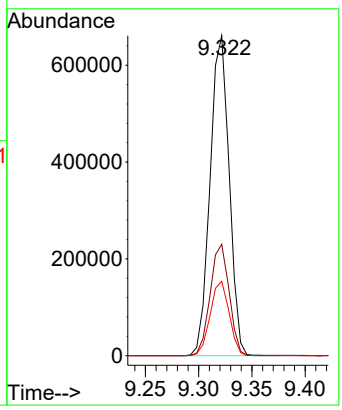


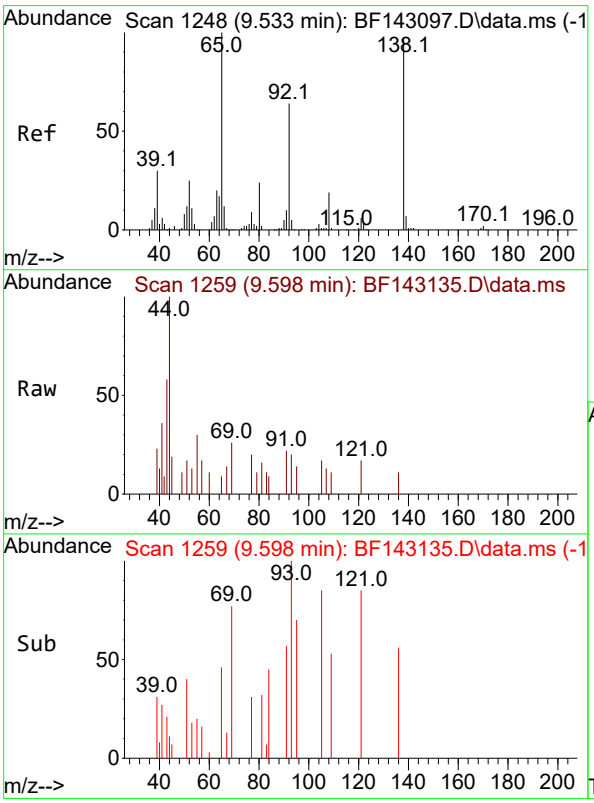
#45
2-Fluorobiphenyl
Concen: 51.634 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:172 Resp: 824001

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.2	42.4
170	23.3	18.6	28.0

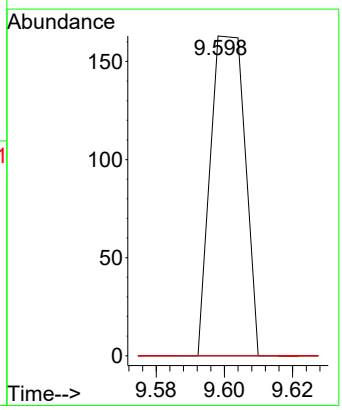


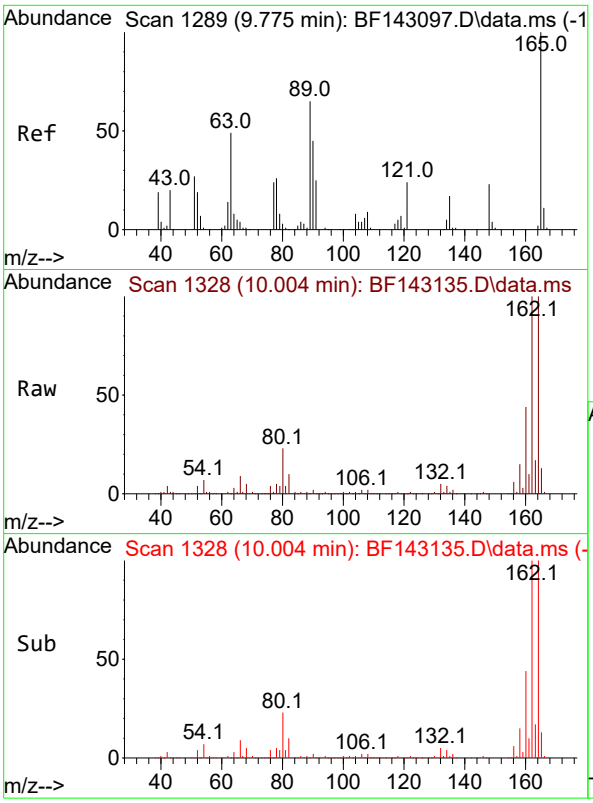


#48
2-Nitroaniline
Concen: 3.204 ng
RT: 9.598 min Scan# 1259
Delta R.T. 0.065 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion: 65 Resp: 115

Ion	Ratio	Lower	Upper
65	100		
92	0.0	51.3	76.9#
138	0.0	77.8	116.6#



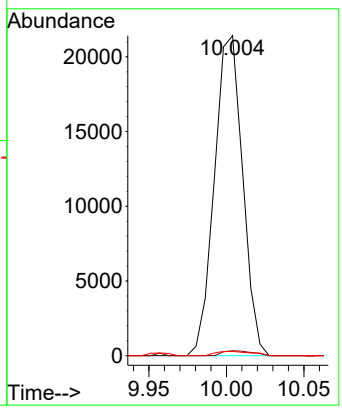


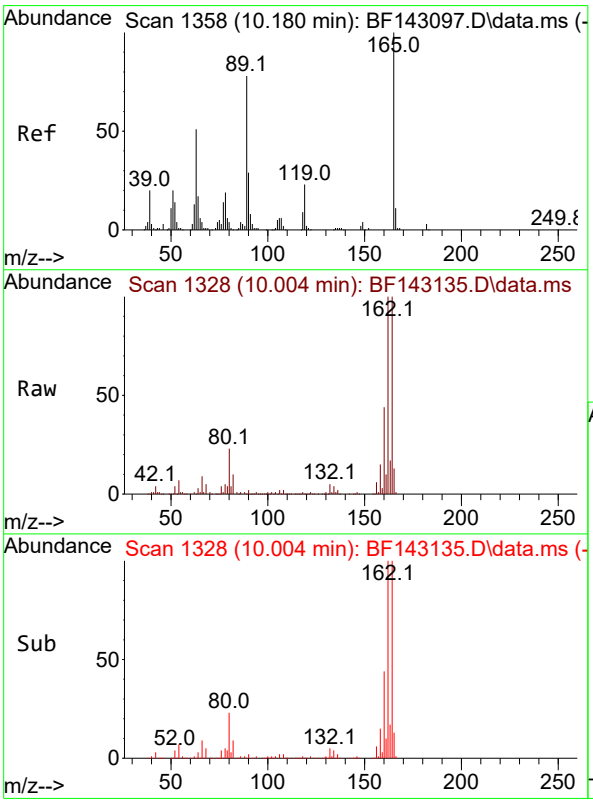
#51
2,6-Dinitrotoluene
Concen: 12.490 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.229 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:165 Resp: 27146

Ion	Ratio	Lower	Upper
165	100		
63	1.6	57.4	86.0#
89	1.4	51.8	77.8#

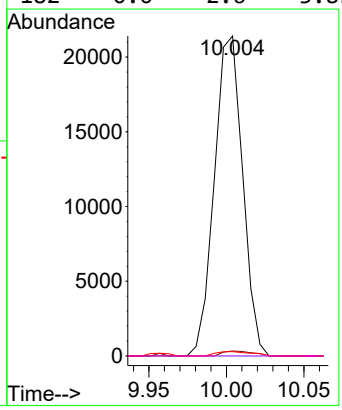


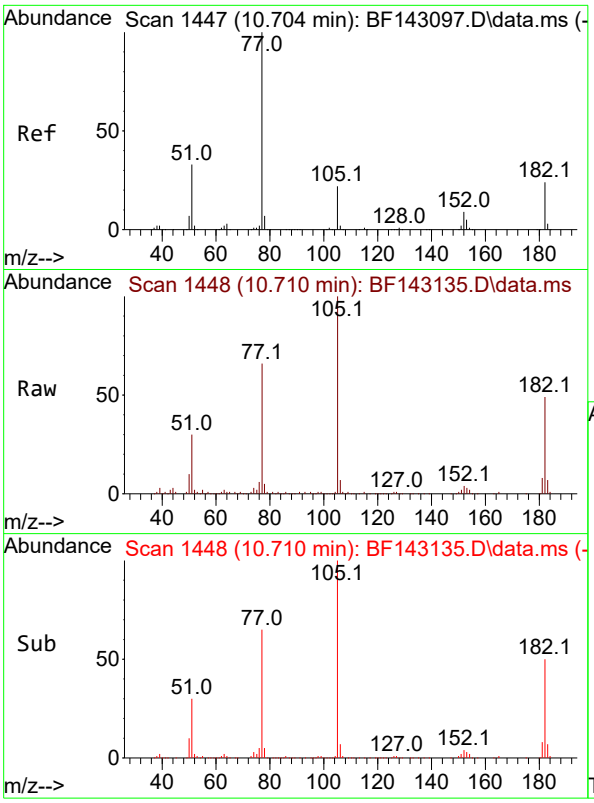


#57
2,4-Dinitrotoluene
Concen: 11.059 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.176 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:165 Resp: 27146

Ion	Ratio	Lower	Upper
165	100		
63	1.6	40.6	61.0#
89	1.4	62.3	93.5#
182	0.0	2.6	3.8#



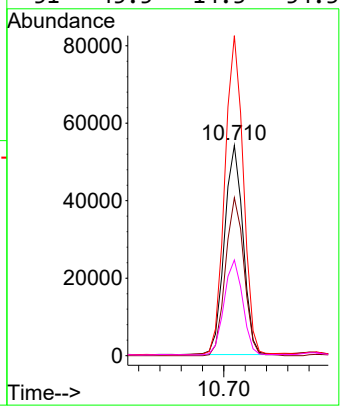


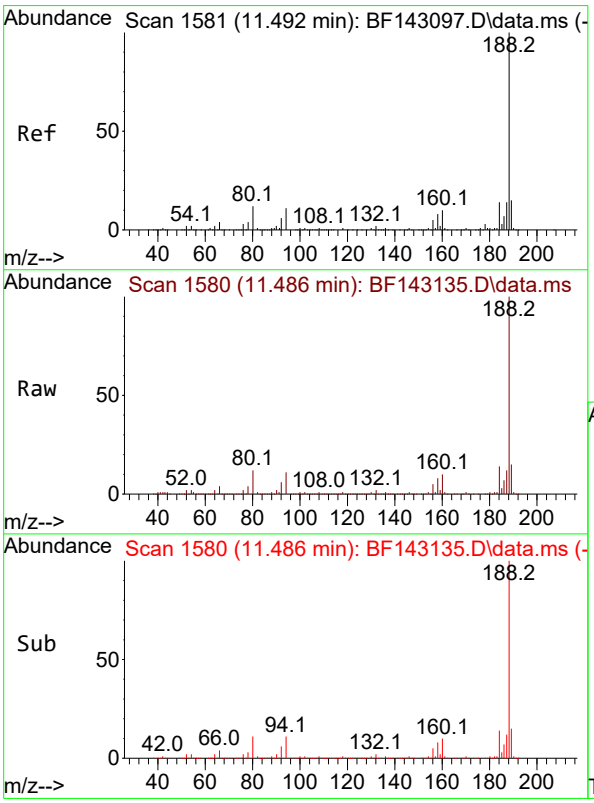
#63
Azobenzene
Concen: 4.598 ng
RT: 10.710 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion: 77 Resp: 65474

Ion	Ratio	Lower	Upper
77	100		
182	75.1	4.0	44.0#
105	152.2	1.4	41.4#
51	45.5	14.3	54.3

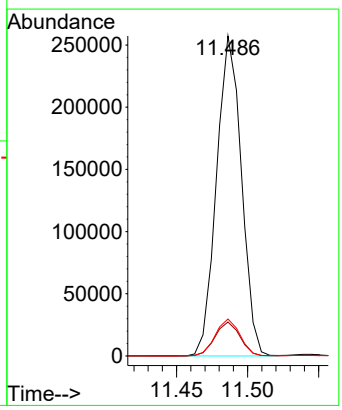


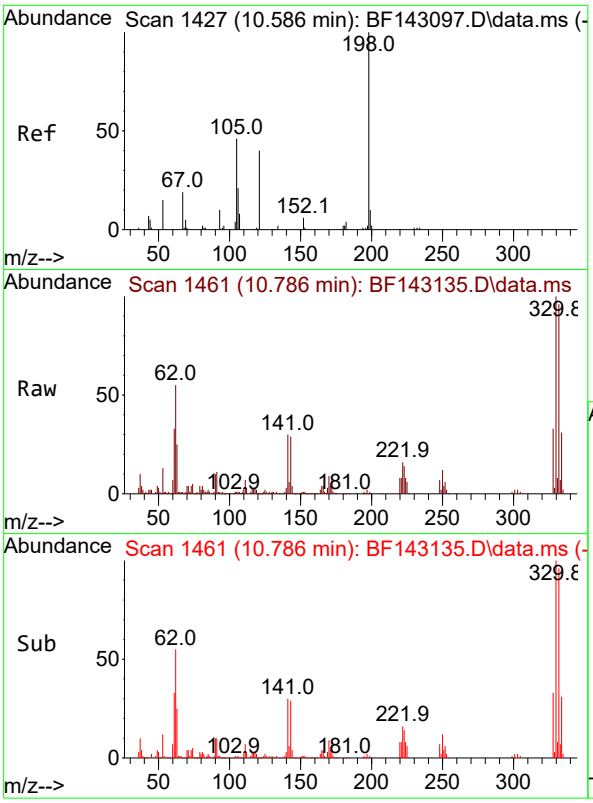


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:188 Resp: 313345

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.6	13.0
80	11.5	9.3	13.9



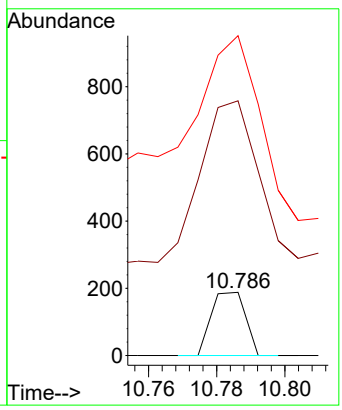


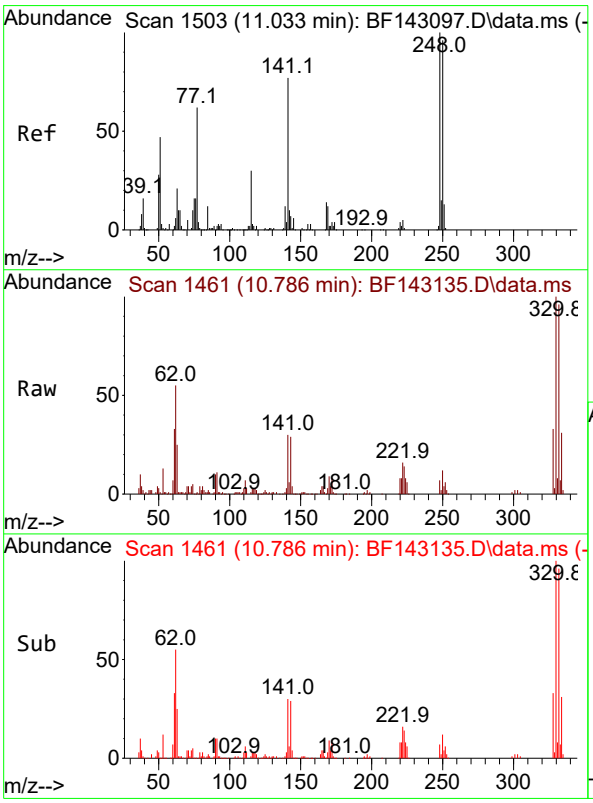
#65
4,6-Dinitro-2-methylphenol
Concen: 5.576 ng
RT: 10.786 min Scan# 14
Delta R.T. 0.200 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:198 Resp: 131

Ion	Ratio	Lower	Upper
198	100		
51	403.2	44.6	84.6#
105	506.4	29.3	69.3#

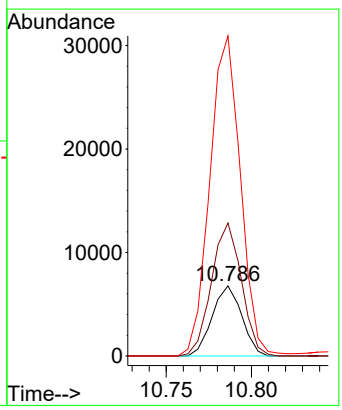


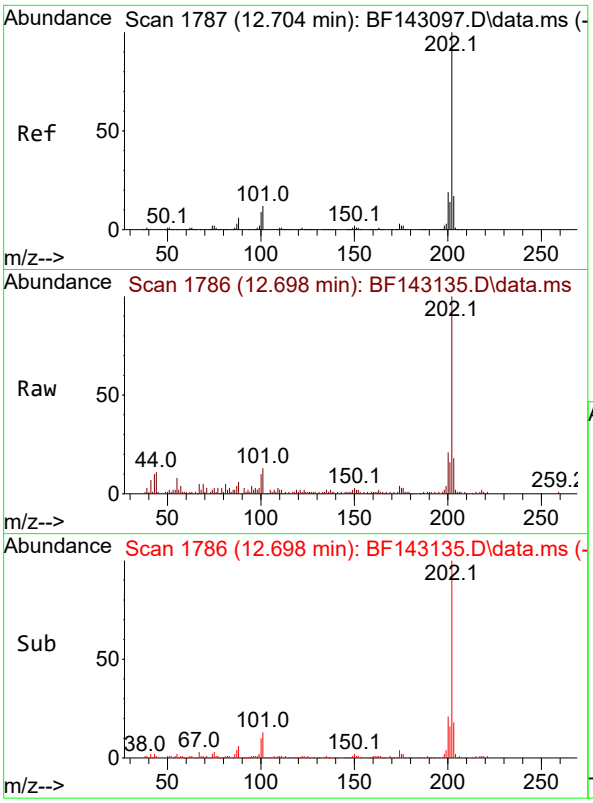


#67
4-Bromophenyl-phenylether
Concen: 2.285 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:248 Resp: 8144

Ion	Ratio	Lower	Upper
248	100		
250	189.7	76.7	115.1#
141	456.5	61.7	92.5#



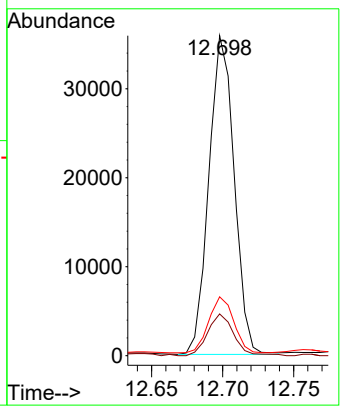


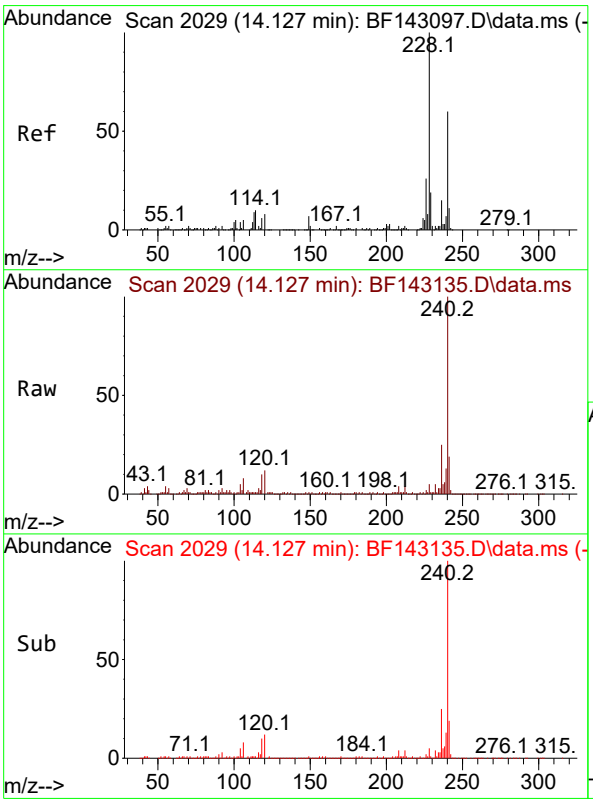
#75
Fluoranthene
Concen: 2.888 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:202 Resp: 44404

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	32.4
203	18.4	0.0	37.4

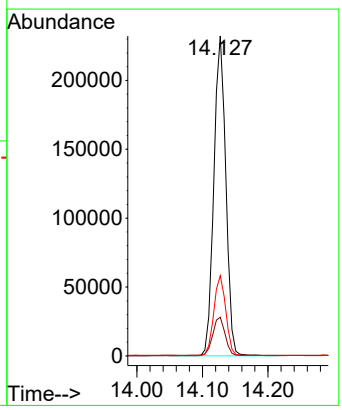


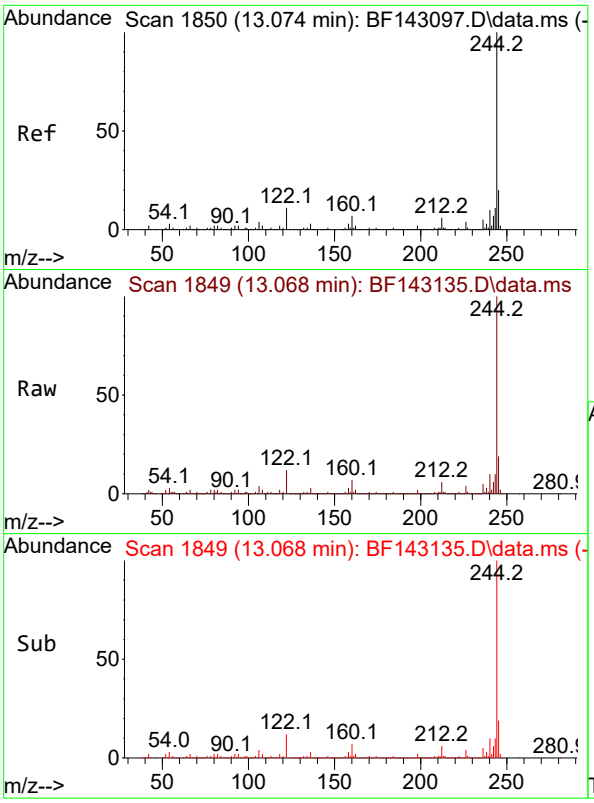


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:240 Resp: 292725

Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.0	15.0
236	25.1	20.0	30.0



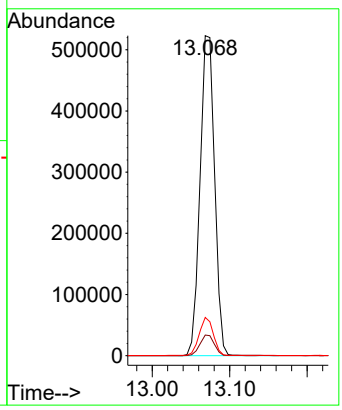


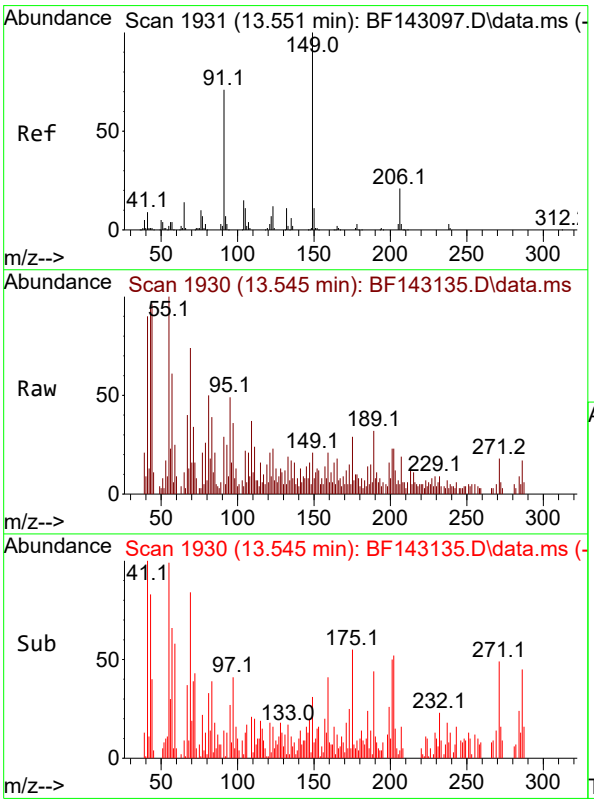
#79
Terphenyl-d14
Concen: 34.137 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:244 Resp: 683589

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	12.0	8.8	13.2

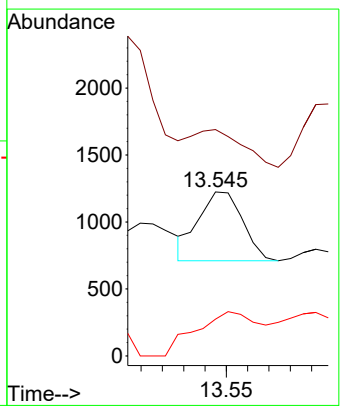


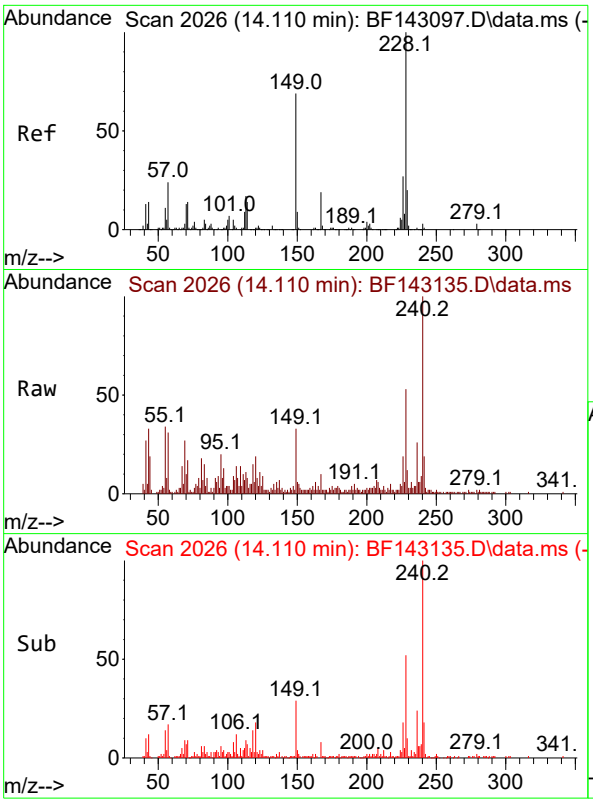


#80
Butylbenzylphthalate
Concen: 3.537 ng
RT: 13.545 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:149 Resp: 739

Ion	Ratio	Lower	Upper
149	100		
91	138.1	57.0	85.4#
206	22.4	17.2	25.8



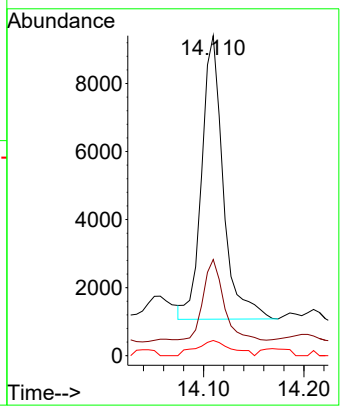


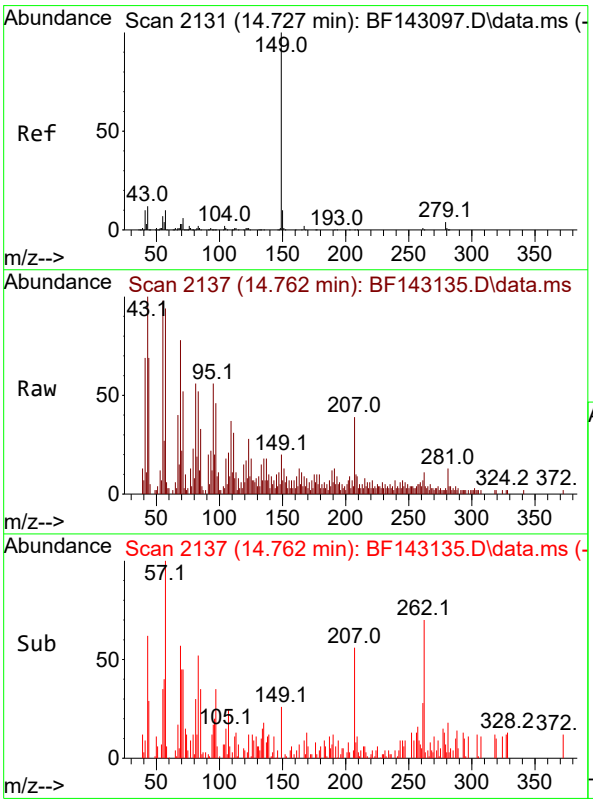
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.819 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:149 Resp: 12473

Ion	Ratio	Lower	Upper
149	100		
167	30.0	21.9	32.9
279	4.8	3.4	5.0

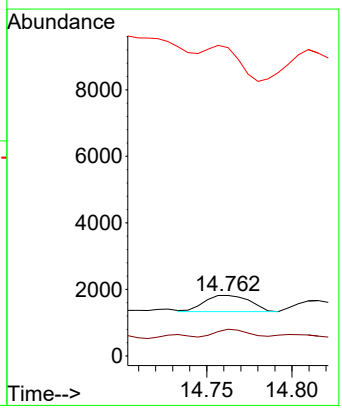


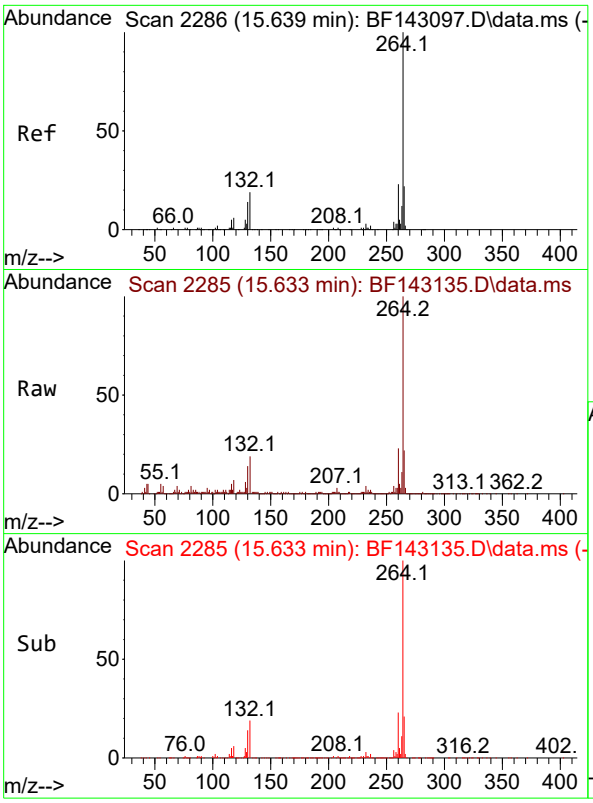


#85
Di-n-octyl phthalate
Concen: 6.741 ng
RT: 14.762 min Scan# 2137
Delta R.T. 0.035 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:149 Resp: 897

Ion	Ratio	Lower	Upper
149	100		
167	33.4	1.2	1.8#
43	0.0	10.6	16.0#



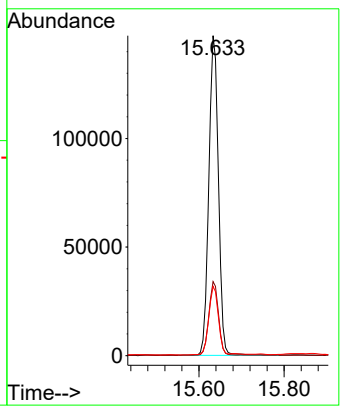


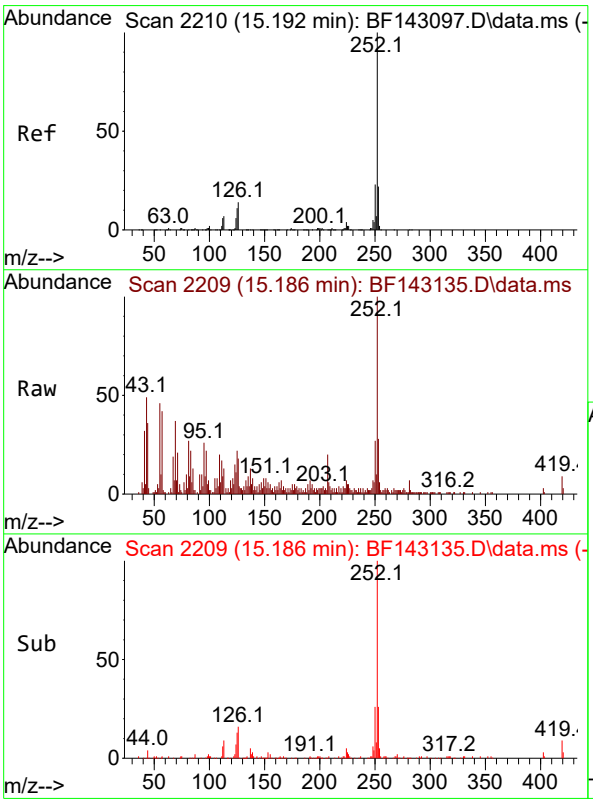
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:264 Resp: 230038

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.6	17.5	26.3

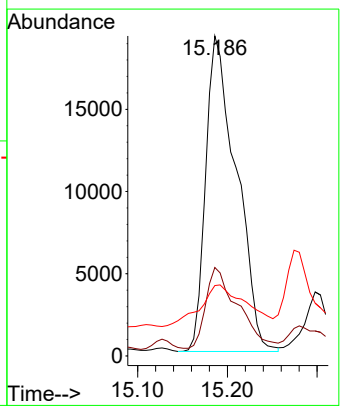


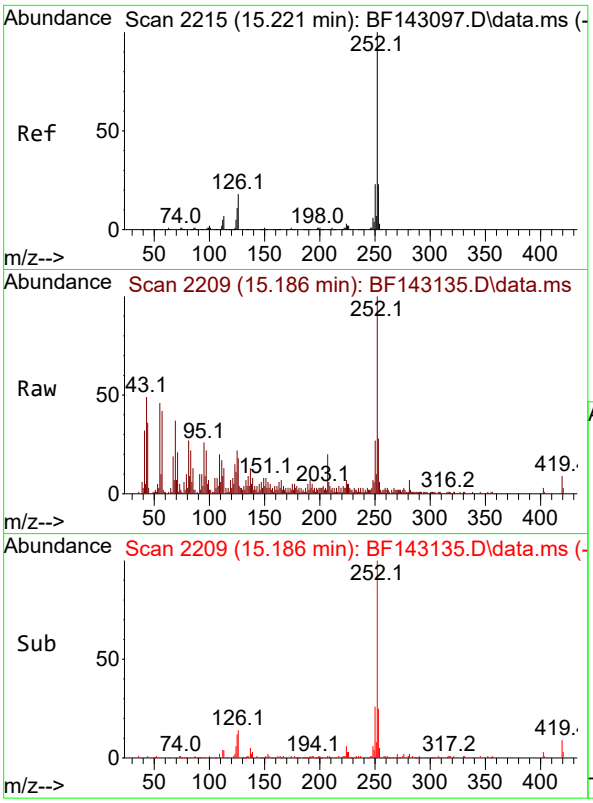


#88
Benzo(b)fluoranthene
Concen: 3.428 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:252 Resp: 45491

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.5	26.3#
125	22.0	8.6	13.0#



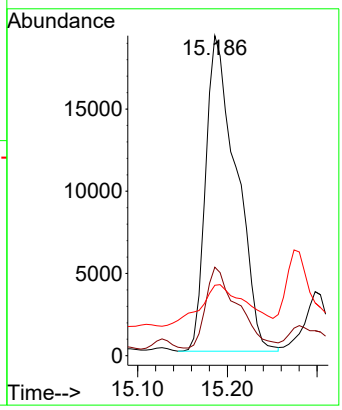


#89
Benzo(k)fluoranthene
Concen: 3.594 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.035 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:252 Resp: 45491

Ion	Ratio	Lower	Upper
252	100		
253	27.7	17.4	26.2#
125	22.0	8.5	12.7#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	129942	20.000	ng		0.00
21) Naphthalene-d8	8.239	136	504796	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	263409	20.000	ng		0.00
64) Phenanthrene-d10	11.480	188	432329	20.000	ng		0.00
76) Chrysene-d12	14.116	240	253004	20.000	ng		0.00
86) Perylene-d12	15.615	264	255898	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	89958	10.955	ng		0.00
7) Phenol-d6	6.569	99	112575	10.892	ng		-0.02
23) Nitrobenzene-d5	7.510	82	106670	10.533	ng		-0.01
42) 2,4,6-Tribromophenol	10.780	330	26288	9.661	ng		0.00
45) 2-Fluorobiphenyl	9.310	172	231962	12.043	ng		-0.01
79) Terphenyl-d14	13.063	244	198167	11.656	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	20208	5.201	ng		97
3) Pyridine	3.587	79	52981	5.254	ng		99
4) n-Nitrosodimethylamine	3.504	42	26949	5.176	ng	#	99
6) Aniline	6.616	93	75811	5.263	ng		99
8) 2-Chlorophenol	6.740	128	45203	5.252	ng		98
9) Benzaldehyde	6.504	77	41029	5.294	ng		97
10) Phenol	6.581	94	61148	5.431	ng		99
11) bis(2-Chloroethyl)ether	6.687	93	46083	5.345	ng		98
12) 1,3-Dichlorobenzene	6.904	146	51056	5.460	ng		98
13) 1,4-Dichlorobenzene	6.981	146	52031	5.526	ng		100
14) 1,2-Dichlorobenzene	7.134	146	49028	5.474	ng		98
15) Benzyl Alcohol	7.087	79	40295	5.106	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	86727	5.423	ng		100
17) 2-Methylphenol	7.192	107	38278	5.289	ng		97
18) Hexachloroethane	7.481	117	16944	5.198	ng		97
19) n-Nitroso-di-n-propyla...	7.357	70	36103	5.445	ng		98
20) 3+4-Methylphenols	7.345	107	50606	5.763	ng		95
22) Acetophenone	7.357	105	66559	5.569	ng	#	98
24) Nitrobenzene	7.528	77	47902	5.074	ng		96
25) Isophorone	7.769	82	94372	5.279	ng		99
26) 2-Nitrophenol	7.851	139	16827	4.107	ng		98
27) 2,4-Dimethylphenol	7.881	122	44954	5.382	ng		100
28) bis(2-Chloroethoxy)met...	7.981	93	58465	5.455	ng		99
29) 2,4-Dichlorophenol	8.087	162	36884	5.236	ng		97
30) 1,2,4-Trichlorobenzene	8.181	180	41552	5.460	ng		99
31) Naphthalene	8.263	128	141099	5.676	ng		99
32) Benzoic acid	7.881	122	44954	13.661	ng	#	13
33) 4-Chloroaniline	8.304	127	55130	5.431	ng		98
34) Hexachlorobutadiene	8.386	225	24322	5.232	ng		100
35) Caprolactam	8.622	113	9647	4.532	ng		98
36) 4-Chloro-3-methylphenol	8.769	107	40203	5.251	ng		98
37) 2-Methylnaphthalene	8.951	142	84234	5.568	ng		98
38) 1-Methylnaphthalene	9.051	142	86130	5.529	ng		100
40) 1,2,4,5-Tetrachloroben...	9.122	216	41999	5.523	ng		100
41) Hexachlorocyclopentadiene	9.110	237	20668	4.177	ng		99
43) 2,4,6-Trichlorophenol	9.222	196	25730	4.889	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	26626	5.057	ng		98
46) 1,1'-Biphenyl	9.416	154	115130	5.602	ng		100
47) 2-Chloronaphthalene	9.439	162	83495	5.491	ng		98
48) 2-Nitroaniline	9.522	65	20076	4.210	ng		95
49) Acenaphthylene	9.857	152	140525	5.514	ng		98
50) Dimethylphthalate	9.704	163	93611	5.452	ng		99
51) 2,6-Dinitrotoluene	9.763	165	14787	4.234	ng		90
52) Acenaphthene	10.028	154	84160	5.588	ng		99
53) 3-Nitroaniline	9.928	138	18738	4.587	ng		94
54) 2,4-Dinitrophenol	10.033	184	2389	8.047	ng	#	1
55) Dibenzofuran	10.198	168	127035	5.681	ng		97
56) 4-Nitrophenol	10.075	139	11894	3.899	ng		99
57) 2,4-Dinitrotoluene	10.163	165	17709	4.041	ng		92
58) Fluorene	10.539	166	97477	5.808	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	21108	4.840	ng	#	97
60) Diethylphthalate	10.404	149	90651	5.342	ng		99
61) 4-Chlorophenyl-phenyle...	10.533	204	46747	5.594	ng		98
62) 4-Nitroaniline	10.533	138	15568	4.446	ng		96
63) Azobenzene	10.692	77	95602	5.405	ng		99
65) 4,6-Dinitro-2-methylph...	10.569	198	4692	7.249	ng		90
66) n-Nitrosodiphenylamine	10.645	169	82281	5.405	ng		100
67) 4-Bromophenyl-phenylether	11.022	248	27259	5.291	ng		97
68) Hexachlorobenzene	11.092	284	29052	5.395	ng		98
69) Atrazine	11.169	200	19865	4.733	ng		99
70) Pentachlorophenol	11.280	266	11294	3.566	ng		98
71) Phenanthrene	11.504	178	128762	5.609	ng		100
72) Anthracene	11.557	178	127938	5.465	ng		98
73) Carbazole	11.704	167	112588	5.507	ng		99
74) Di-n-butylphthalate	12.039	149	116291	5.027	ng		99
75) Fluoranthene	12.692	202	117249	5.565	ng		99
77) Benzidine	12.804	184	47236	4.846	ng		98
78) Pyrene	12.922	202	120767	5.593	ng		98
80) Butylbenzylphthalate	13.533	149	27699	4.189	ng		97
81) Benzo(a)anthracene	14.104	228	86920	5.131	ng		98
82) 3,3'-Dichlorobenzidine	14.063	252	26392	4.675	ng		99
83) Chrysene	14.139	228	81091	5.325	ng		99
84) Bis(2-ethylhexyl)phtha...	14.098	149	43732	4.370	ng		99
85) Di-n-octyl phthalate	14.710	149	75225	4.147	ng		98
87) Indeno(1,2,3-cd)pyrene	17.139	276	91076	5.047	ng		100
88) Benzo(b)fluoranthene	15.174	252	78749	5.037	ng		99
89) Benzo(k)fluoranthene	15.204	252	74738	5.358	ng		98
90) Benzo(a)pyrene	15.551	252	72196	5.012	ng		98
91) Dibenzo(a,h)anthracene	17.162	278	74120	5.047	ng		100
92) Benzo(g,h,i)perylene	17.604	276	70403	4.955	ng		99

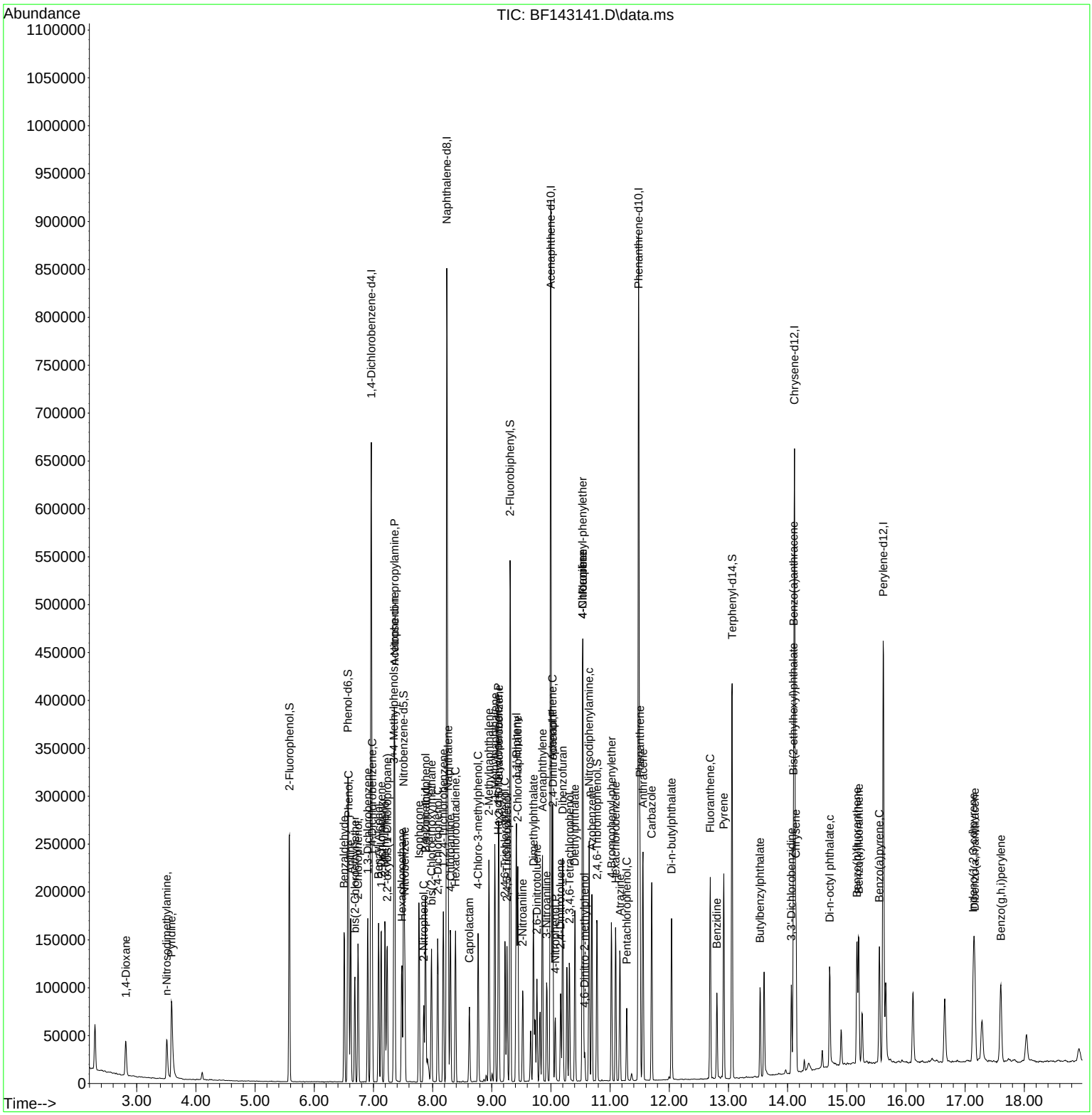
(#) = qualifier out of range (m) = manual integration (+) = signals summed

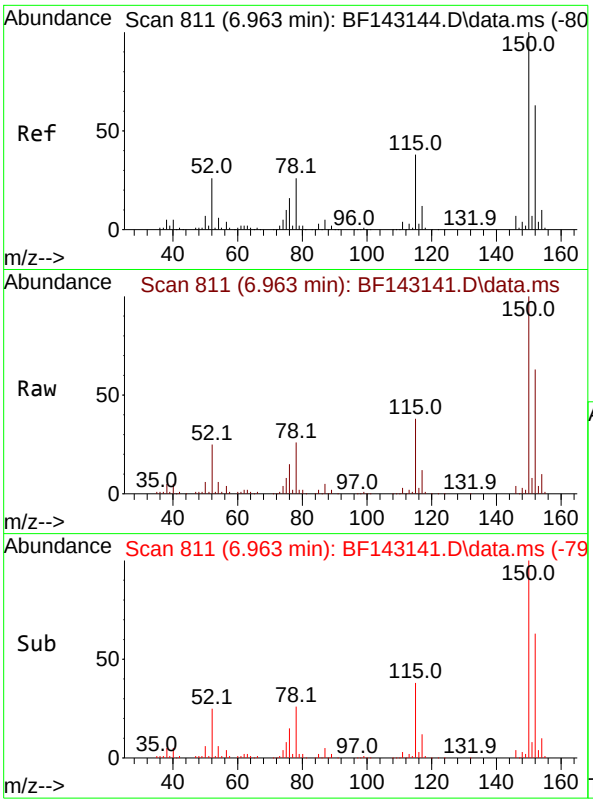
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jul 17 15:01:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



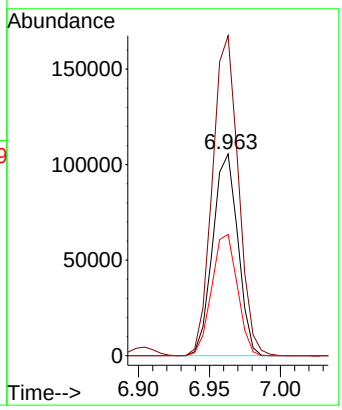


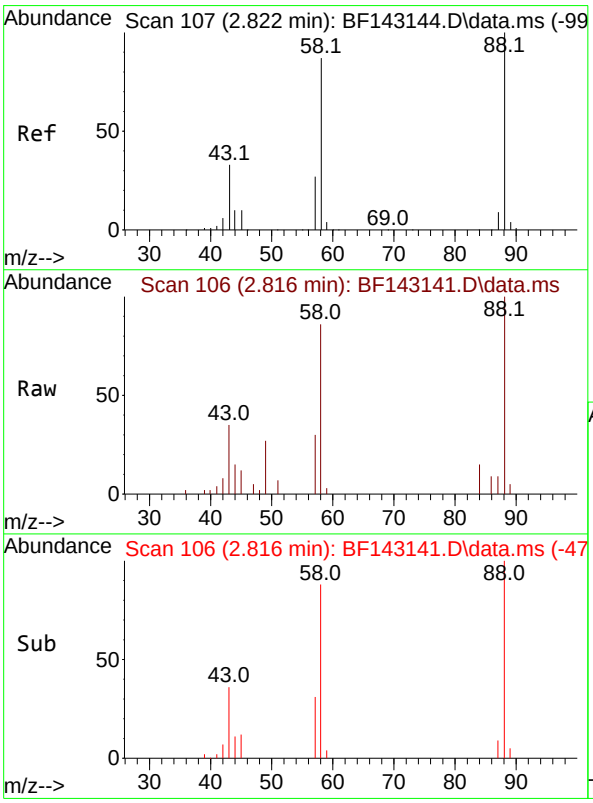
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 129942

Ion	Ratio	Lower	Upper
152	100		
150	158.7	128.2	192.4
115	60.2	47.9	71.9

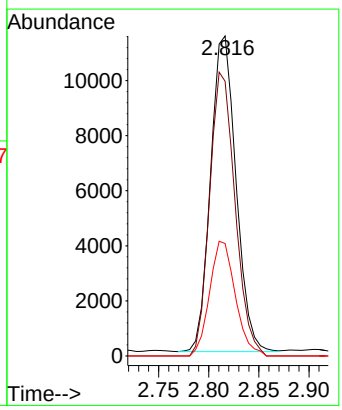


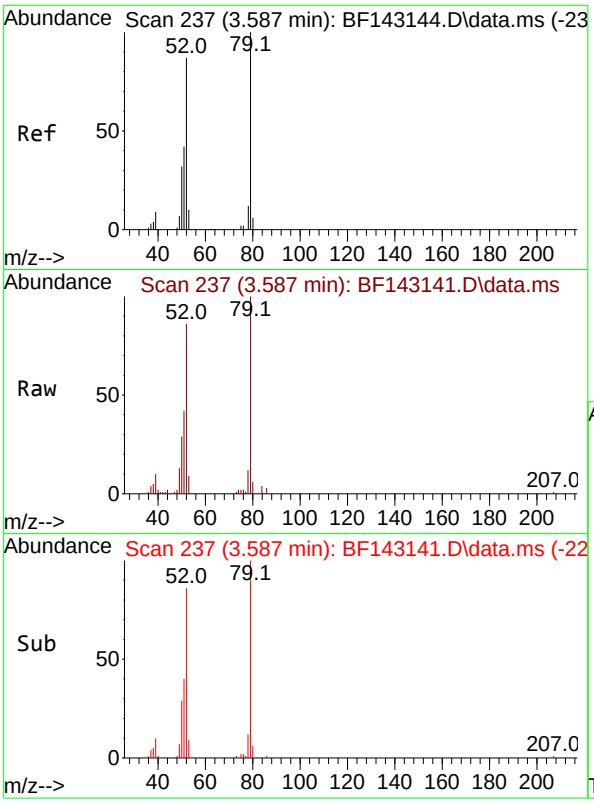


#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 88 Resp: 20208

Ion	Ratio	Lower	Upper
88	100		
58	89.6	70.2	105.2
43	36.7	27.1	40.7



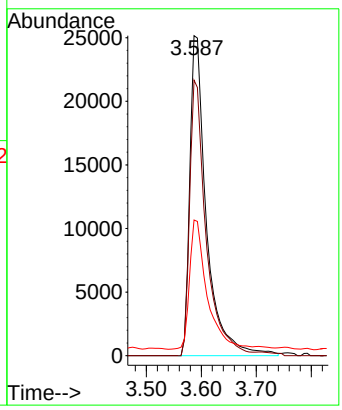


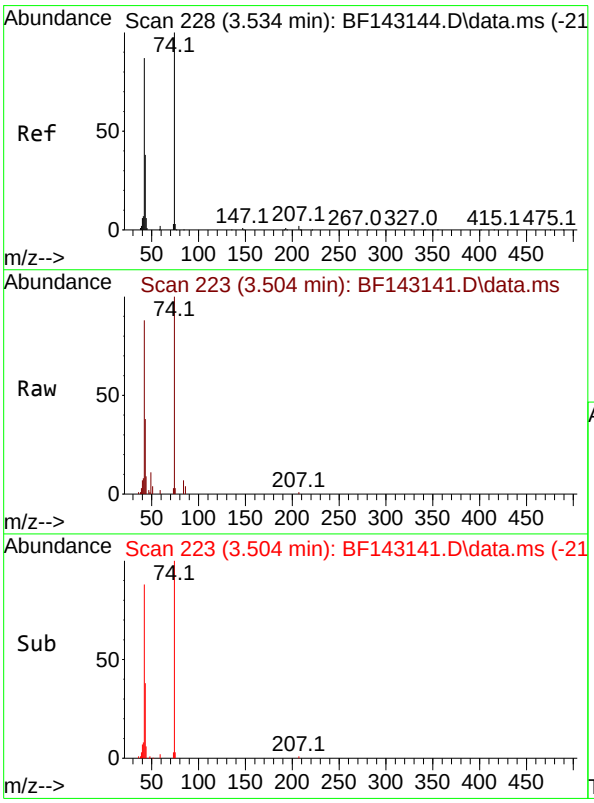
#3
Pyridine
Concen: 5.254 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 52981

Ion	Ratio	Lower	Upper
79	100		
52	86.1	69.4	104.2
51	42.4	33.5	50.3

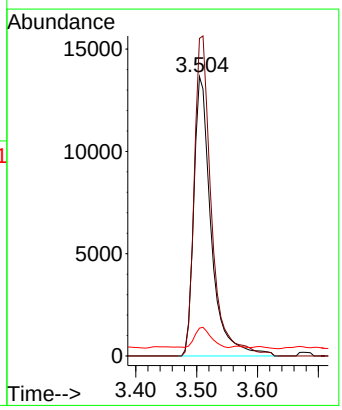


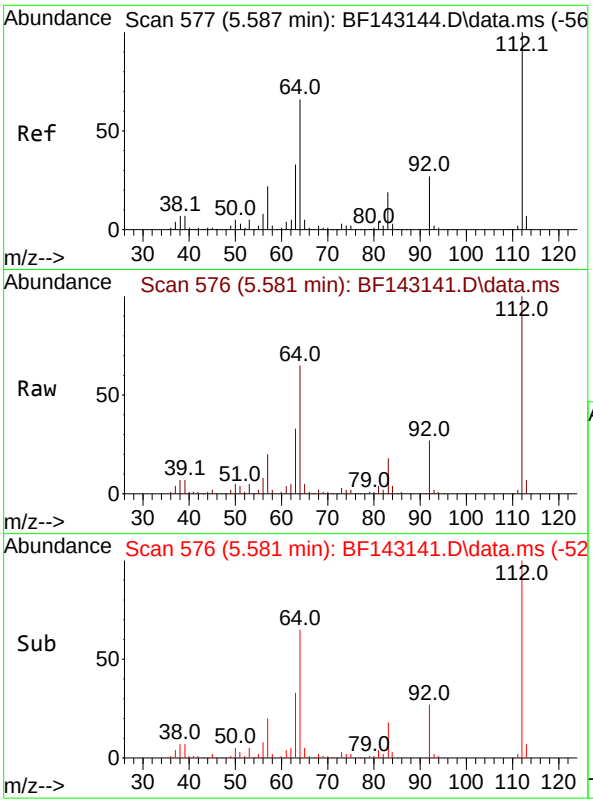


#4
n-Nitrosodimethylamine
Concen: 5.176 ng
RT: 3.504 min Scan# 223
Delta R.T. -0.029 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 42 Resp: 26949

Ion	Ratio	Lower	Upper
42	100		
74	113.7	91.7	137.5
44	10.0	5.6	8.4#



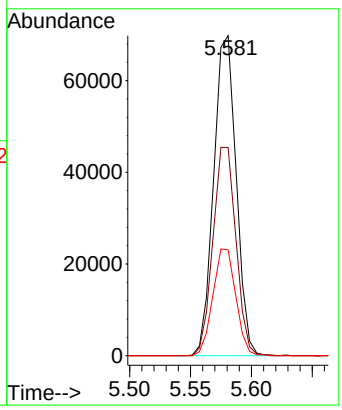


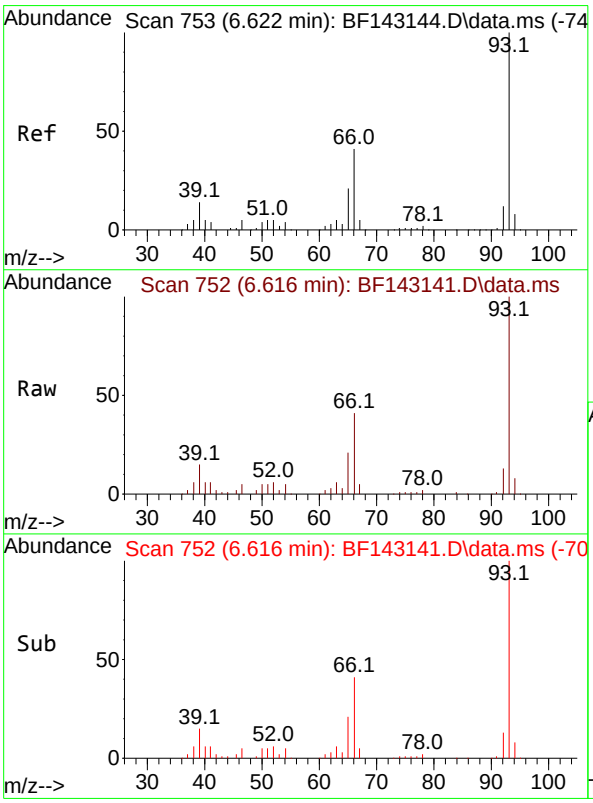
#5
2-Fluorophenol
Concen: 10.955 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 89958

Ion	Ratio	Lower	Upper
112	100		
64	65.1	53.1	79.7
63	33.1	26.6	40.0

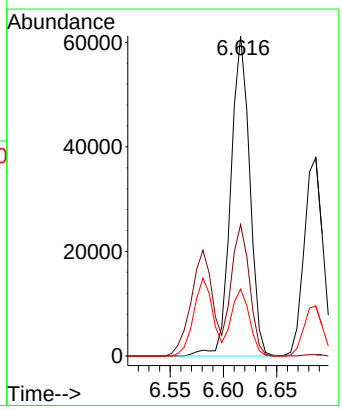


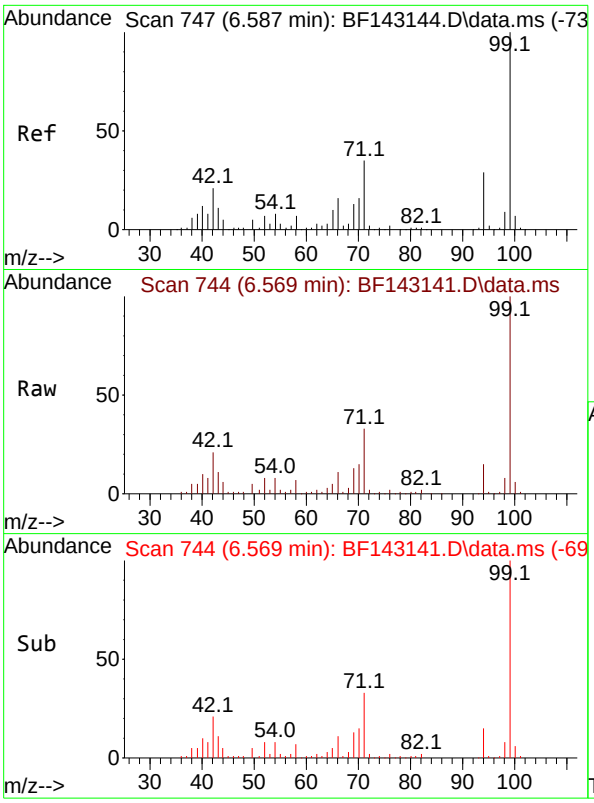


#6
Aniline
Concen: 5.263 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 93 Resp: 75811

Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.2	49.8
65	20.9	16.9	25.3



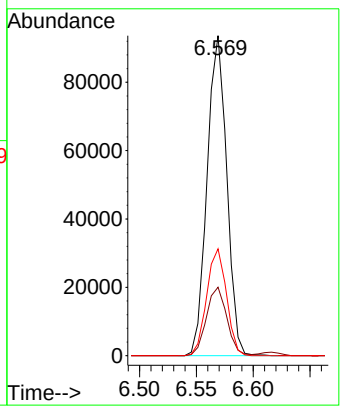


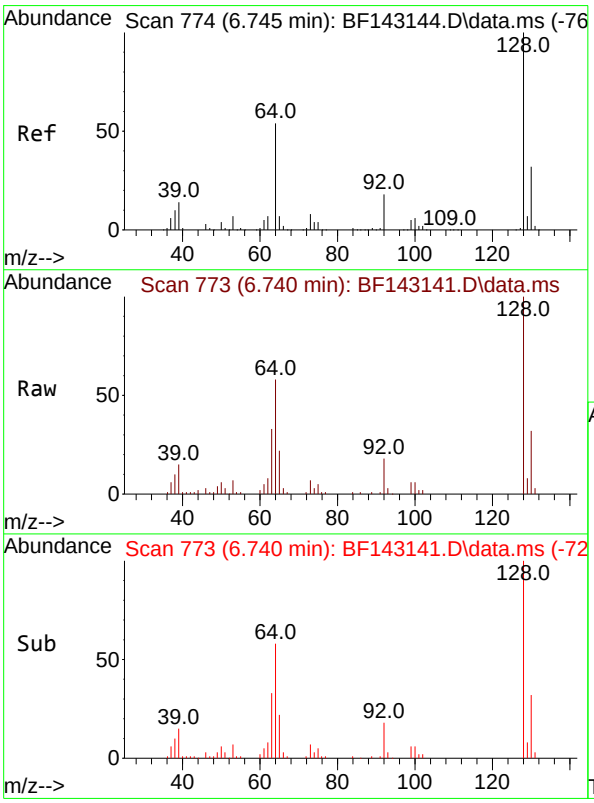
#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 112575

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	33.4	27.7	41.5

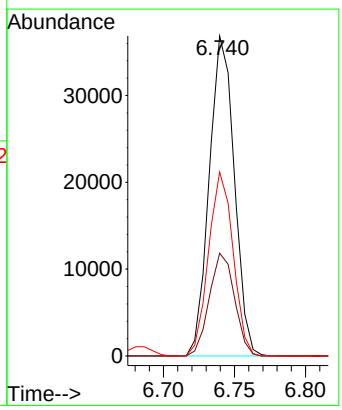


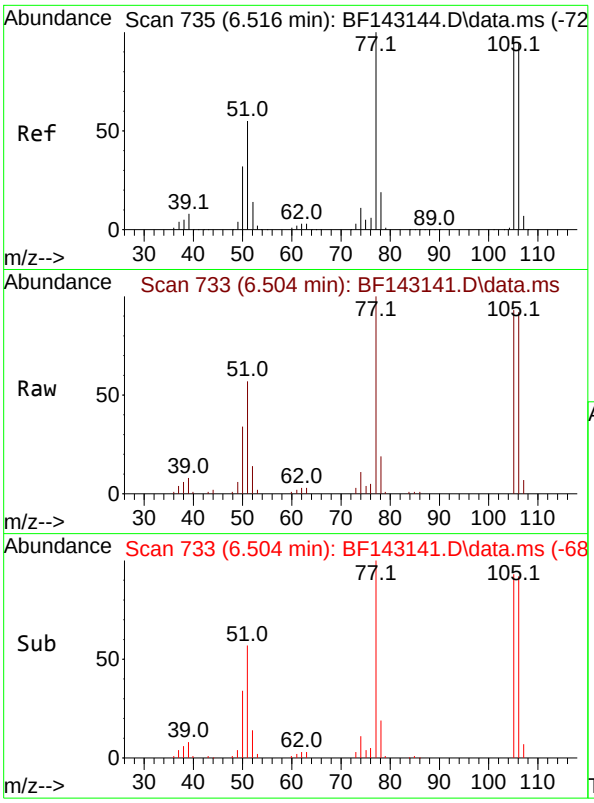


#8
2-Chlorophenol
Concen: 5.252 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:128 Resp: 45203

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.3	52.3
64	57.5	35.9	75.9



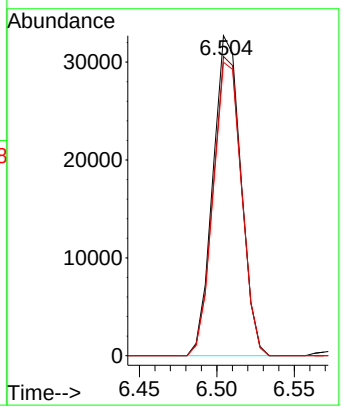


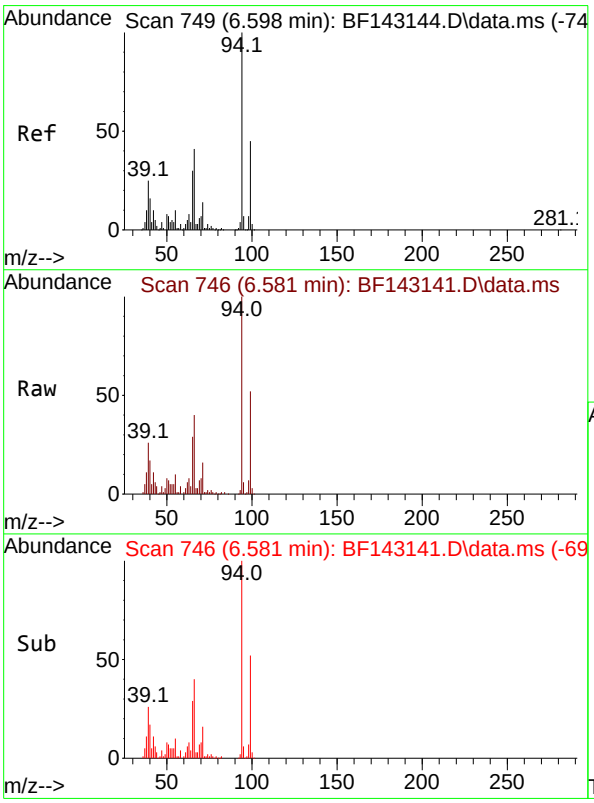
#9
Benzaldehyde
Concen: 5.294 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 41029

Ion	Ratio	Lower	Upper
77	100		
105	93.5	76.8	116.8
106	91.7	74.4	114.4

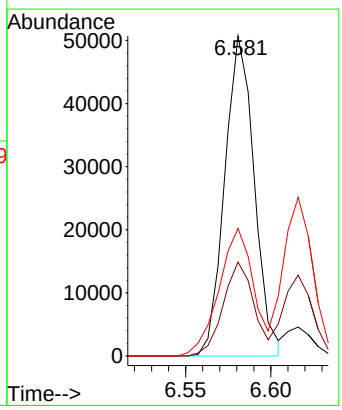


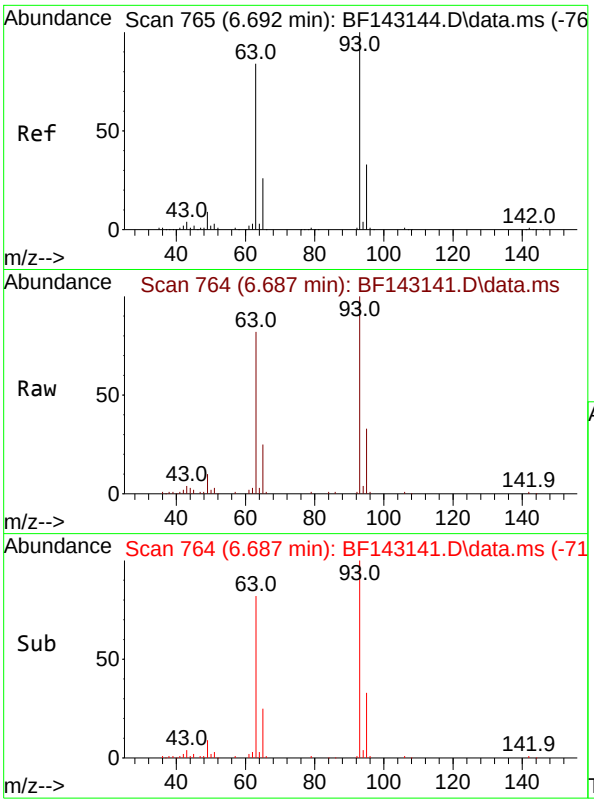


#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 94 Resp: 61148

Ion	Ratio	Lower	Upper
94	100		
65	29.4	10.0	50.0
66	39.8	20.8	60.8



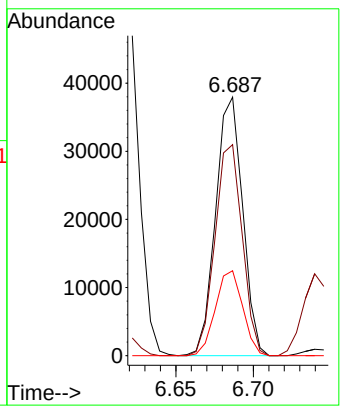


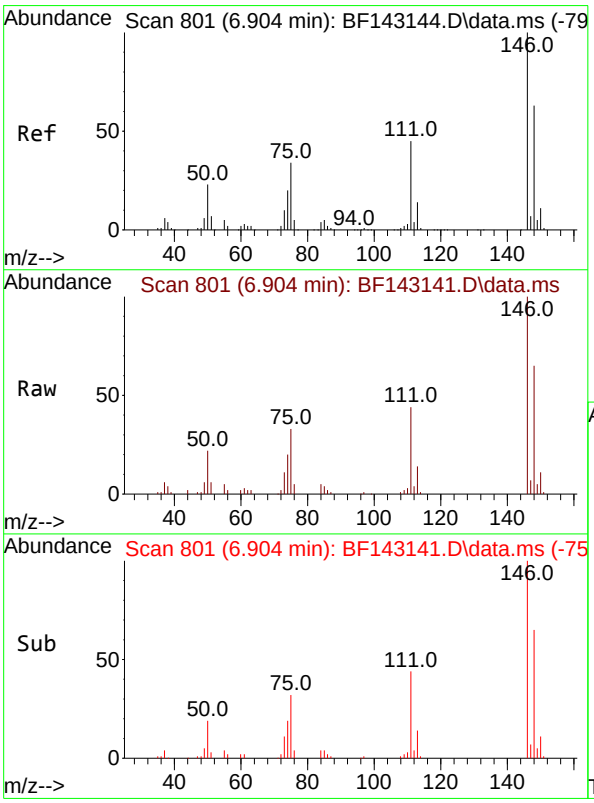
#11
bis(2-Chloroethyl)ether
Concen: 5.345 ng
RT: 6.687 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 46083

Ion	Ratio	Lower	Upper
93	100		
63	81.6	63.4	103.4
95	32.9	12.4	52.4

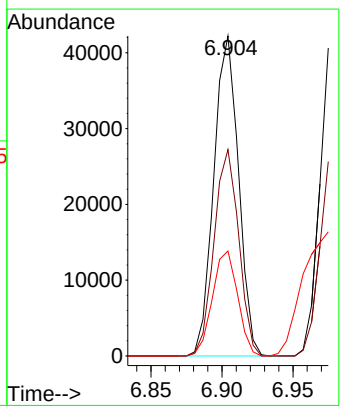


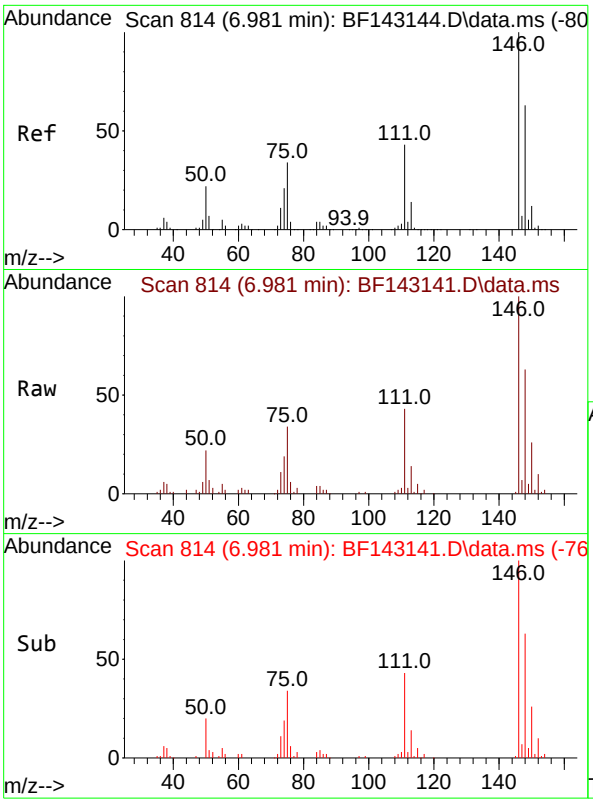


#12
1,3-Dichlorobenzene
Concen: 5.460 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:146 Resp: 51056

Ion	Ratio	Lower	Upper
146	100		
148	64.5	50.6	76.0
75	32.8	27.4	41.2



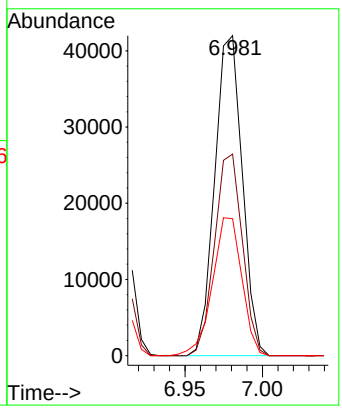


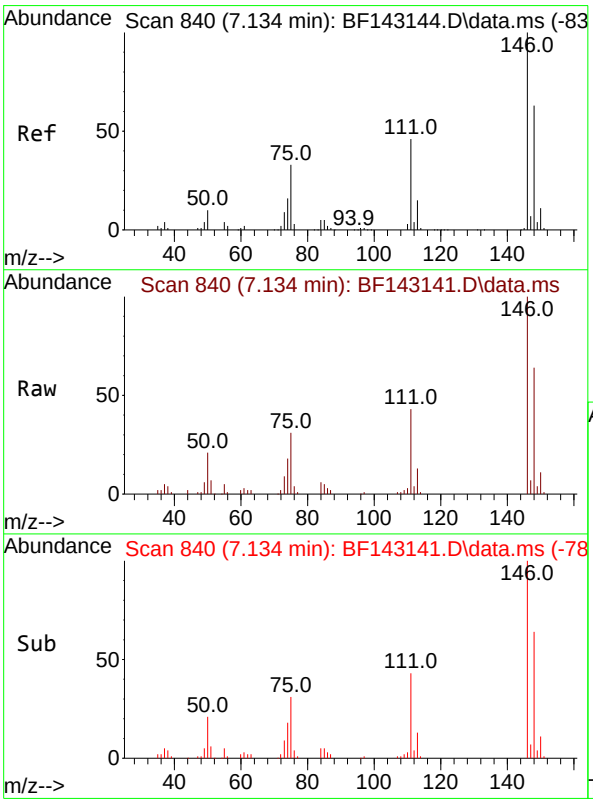
#13
1,4-Dichlorobenzene
Concen: 5.526 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 52031

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
111	42.8	34.4	51.6

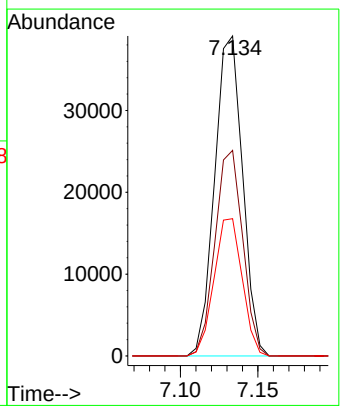


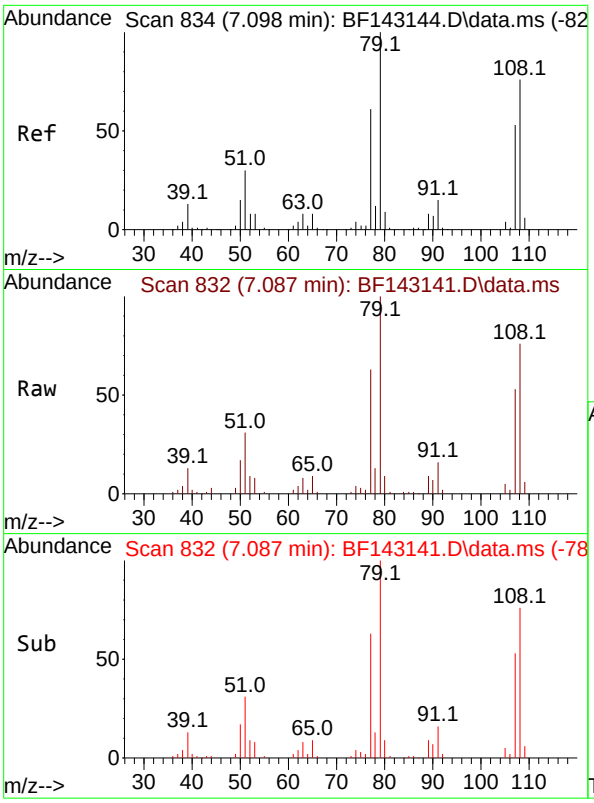


#14
1,2-Dichlorobenzene
Concen: 5.474 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:146 Resp: 49028

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.7	76.1
111	42.9	36.6	54.8



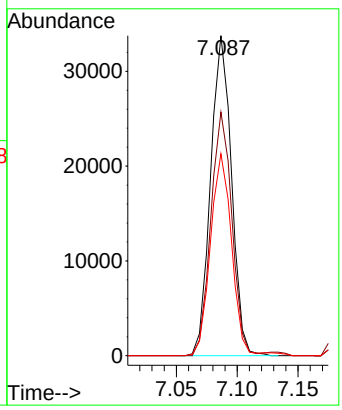


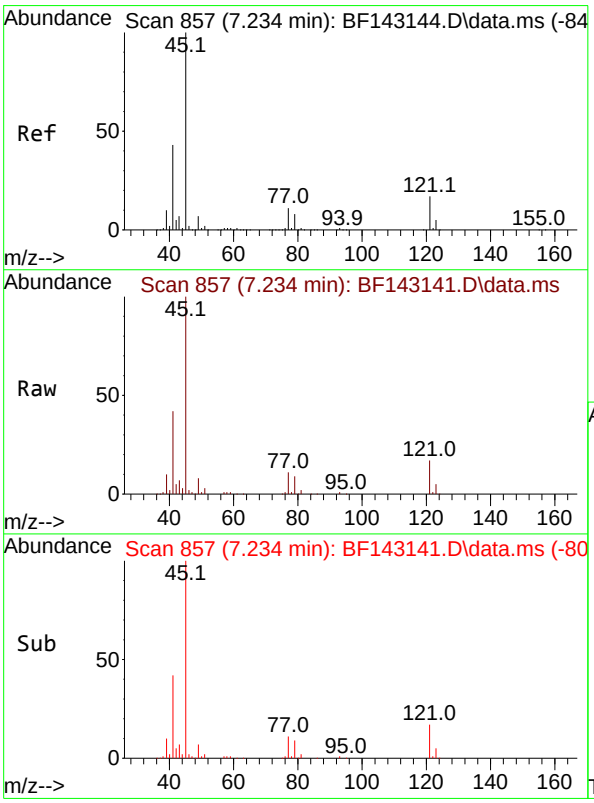
#15
Benzyl Alcohol
Concen: 5.106 ng
RT: 7.087 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 40295

Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.1	91.7
77	63.1	48.9	73.3

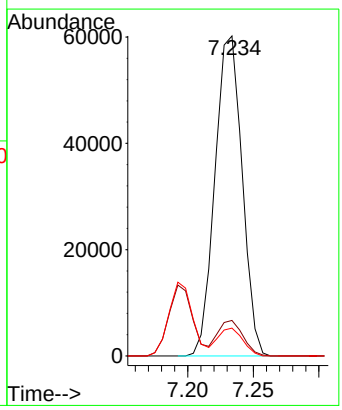


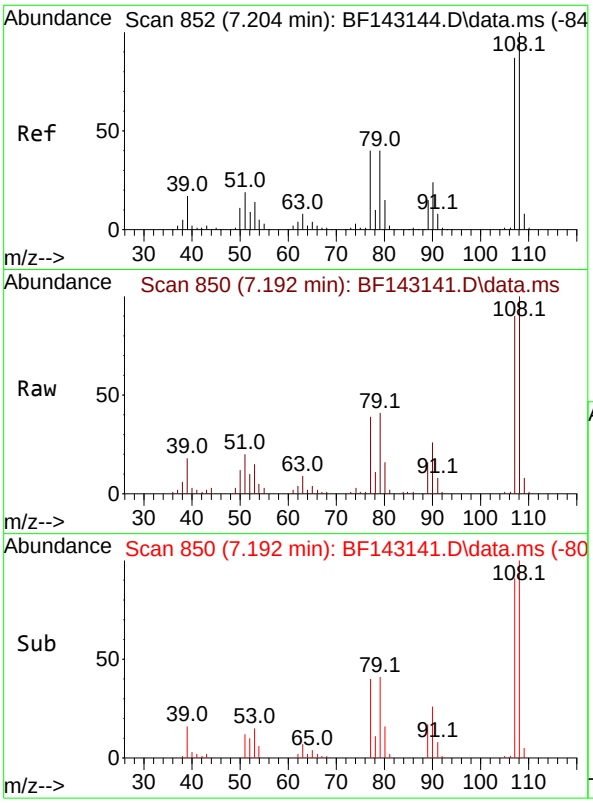


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 45 Resp: 86727

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.7	0.0	28.5



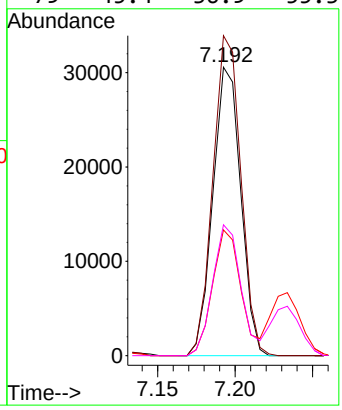


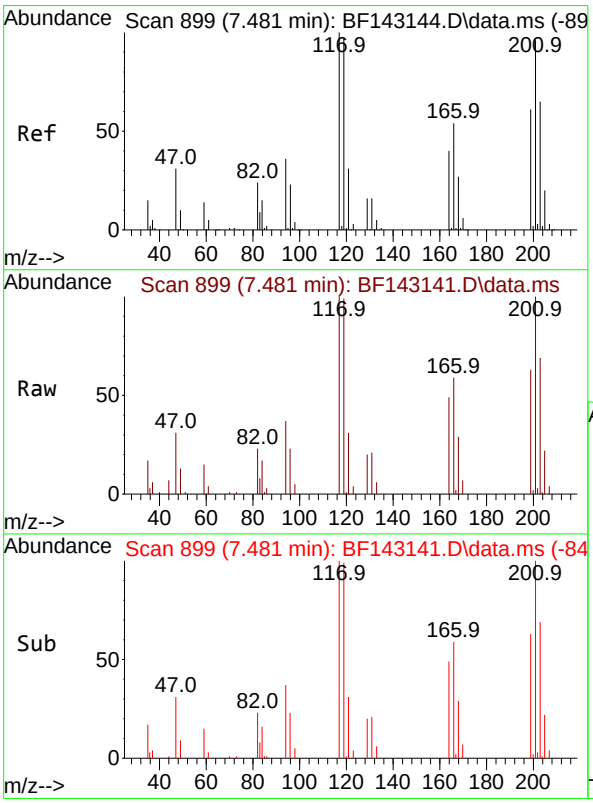
#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 38278

Ion	Ratio	Lower	Upper
107	100		
108	110.9	91.8	137.6
77	43.6	37.0	55.6
79	45.4	36.9	55.3

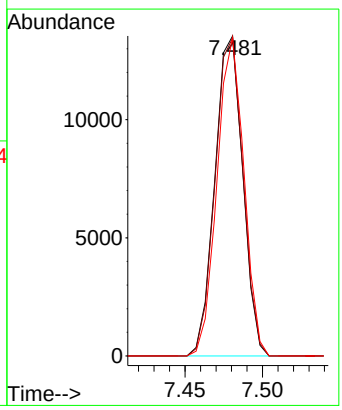


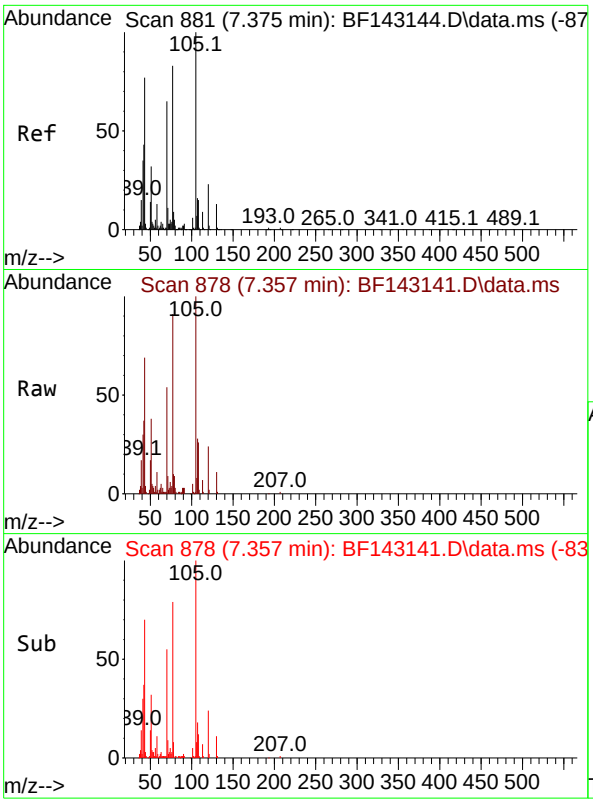


#18
Hexachloroethane
Concen: 5.198 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:117 Resp: 16944

Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.8	116.8
201	99.6	77.0	115.4



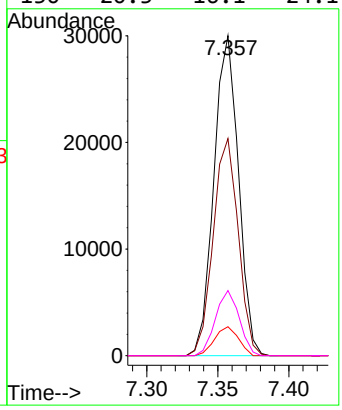


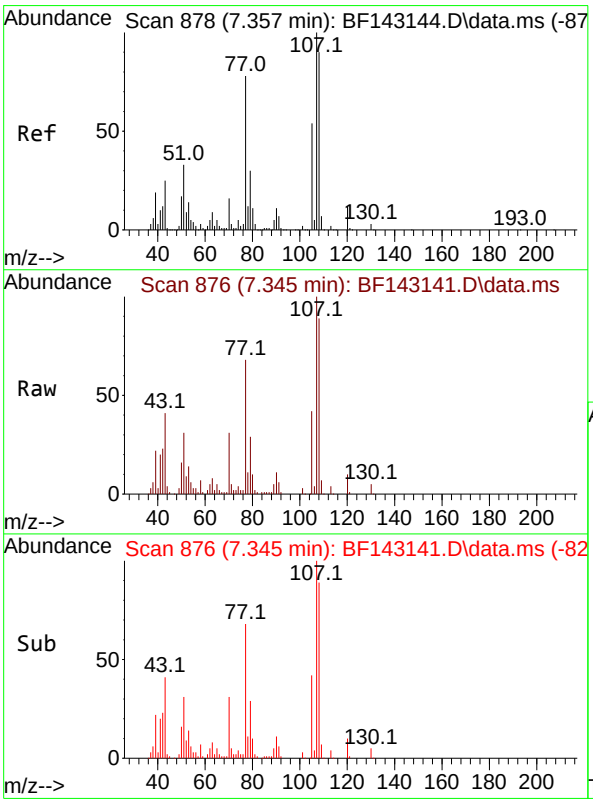
#19
n-Nitroso-di-n-propylamine
Concen: 5.445 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 36103

Ion	Ratio	Lower	Upper
70	100		
42	67.8	52.5	78.7
101	9.0	7.6	11.4
130	20.3	16.1	24.1

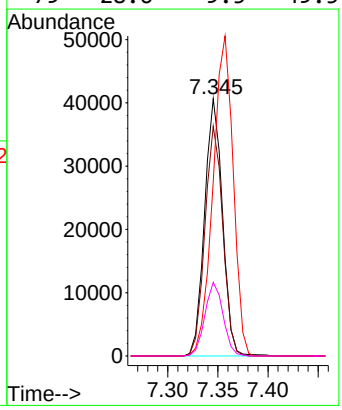


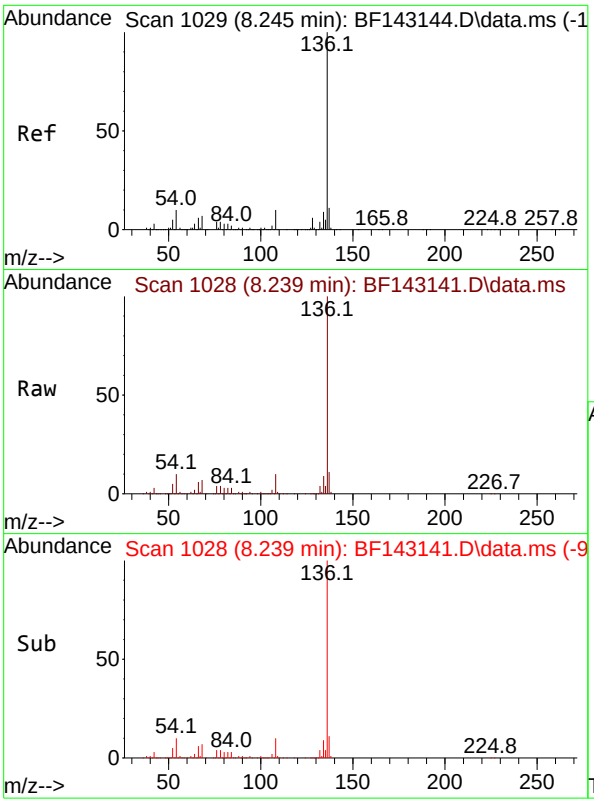


#20
3+4-Methylphenols
Concen: 5.763 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:107 Resp: 50606

Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.0	110.0
77	67.7	57.8	97.8
79	28.6	9.5	49.5



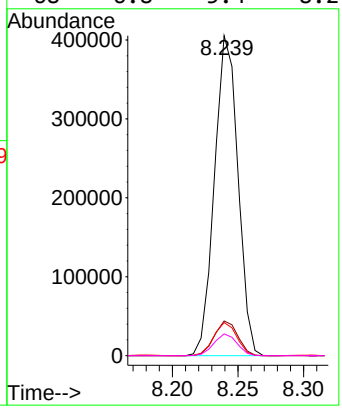


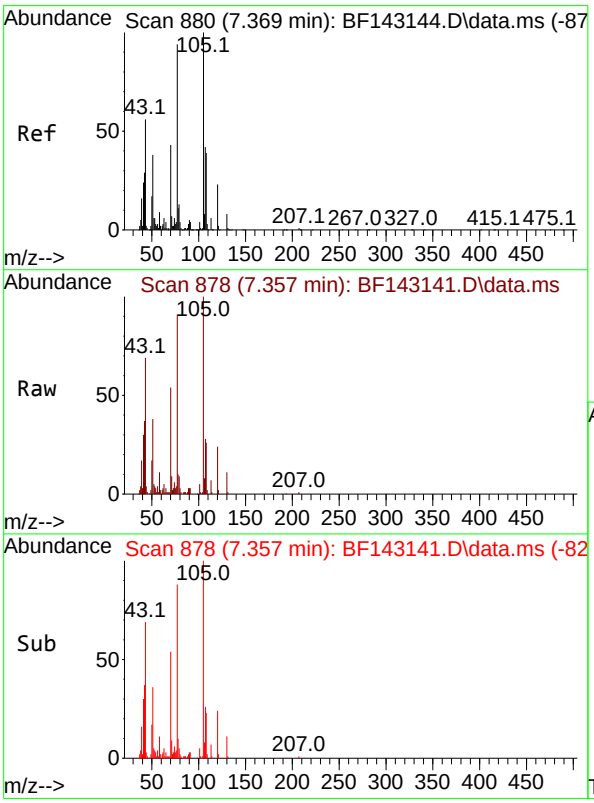
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 504796

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.3	8.2	12.2
68	6.8	5.4	8.2

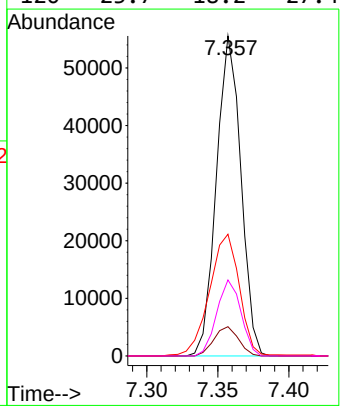


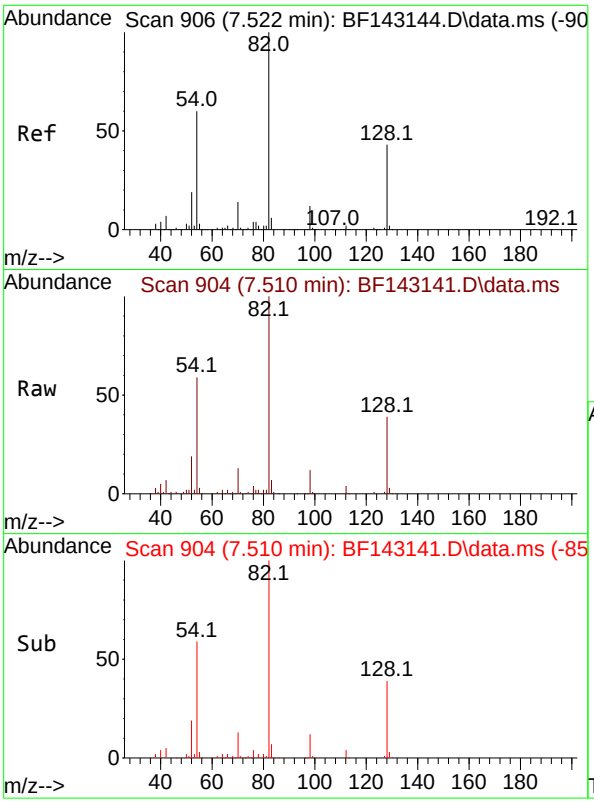


#22
Acetophenone
Concen: 5.569 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:105 Resp: 66559

Ion	Ratio	Lower	Upper
105	100		
71	9.1	5.8	8.6#
51	38.1	30.2	45.2
120	23.7	18.2	27.4



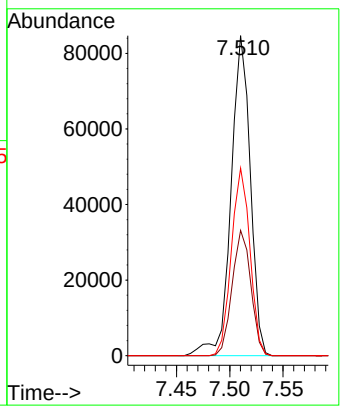


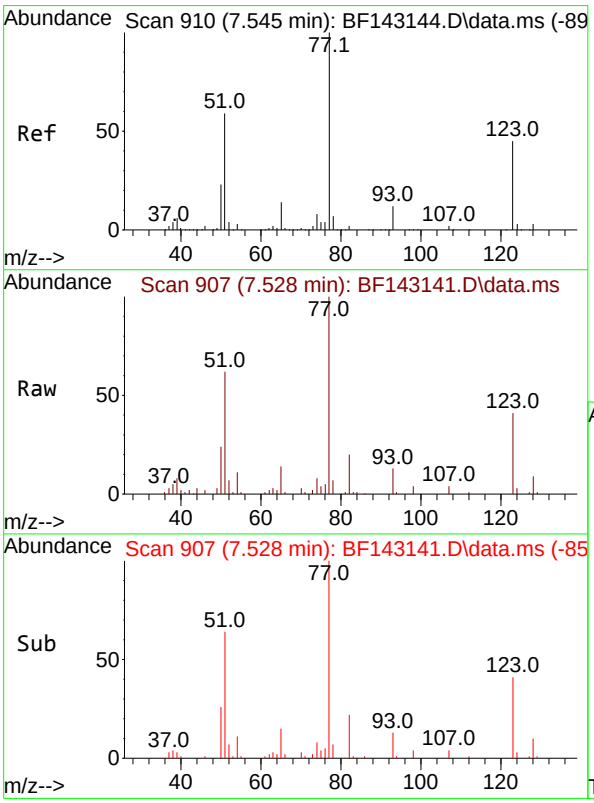
#23
Nitrobenzene-d5
Concen: 10.533 ng
RT: 7.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 106670

Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.6	50.4
54	58.6	47.1	70.7

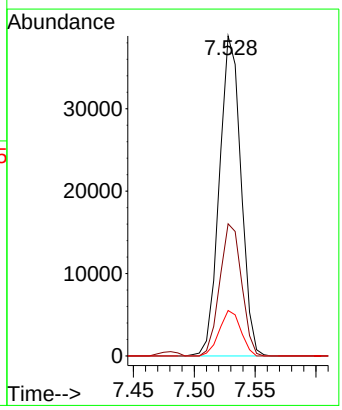


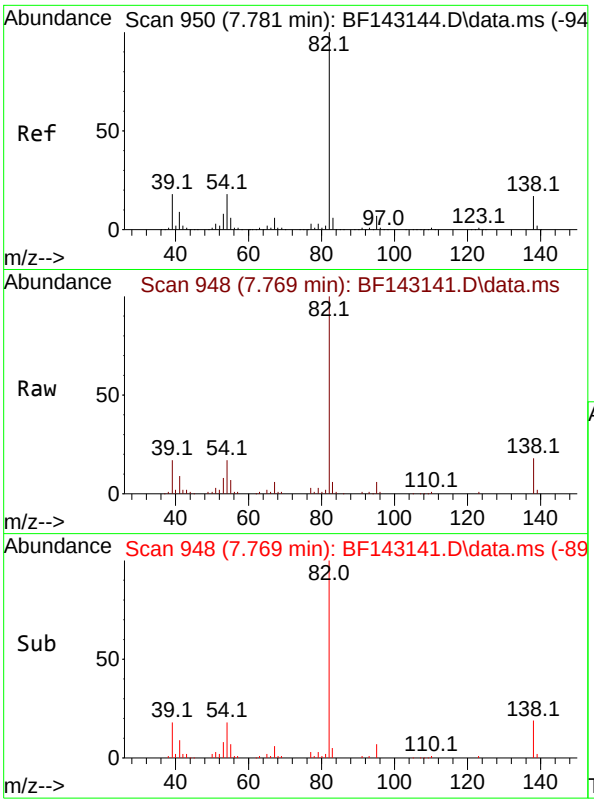


#24
Nitrobenzene
Concen: 5.074 ng
RT: 7.528 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 77 Resp: 47902

Ion	Ratio	Lower	Upper
77	100		
123	41.3	36.1	54.1
65	14.2	11.4	17.2



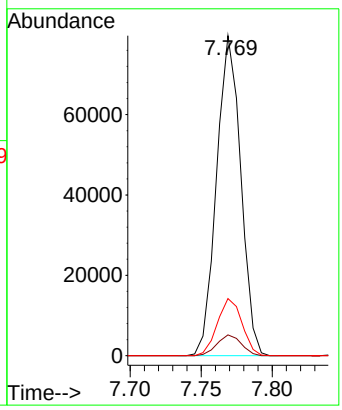


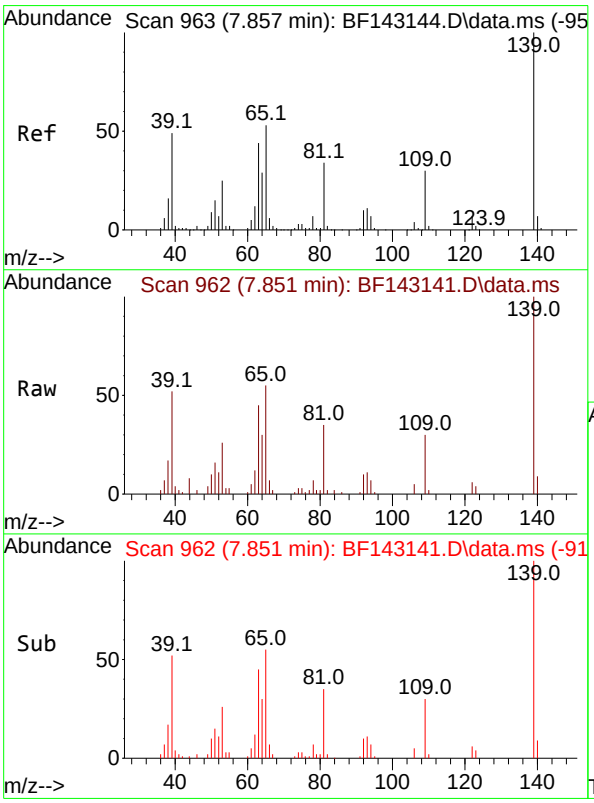
#25
Isophorone
Concen: 5.279 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 94372

Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.5	8.3
138	17.8	13.8	20.8

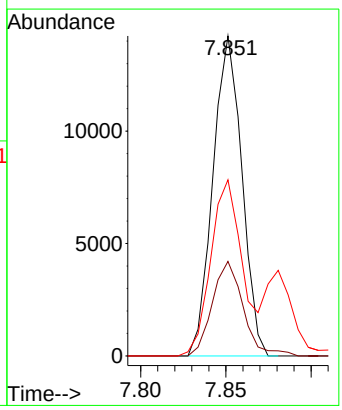


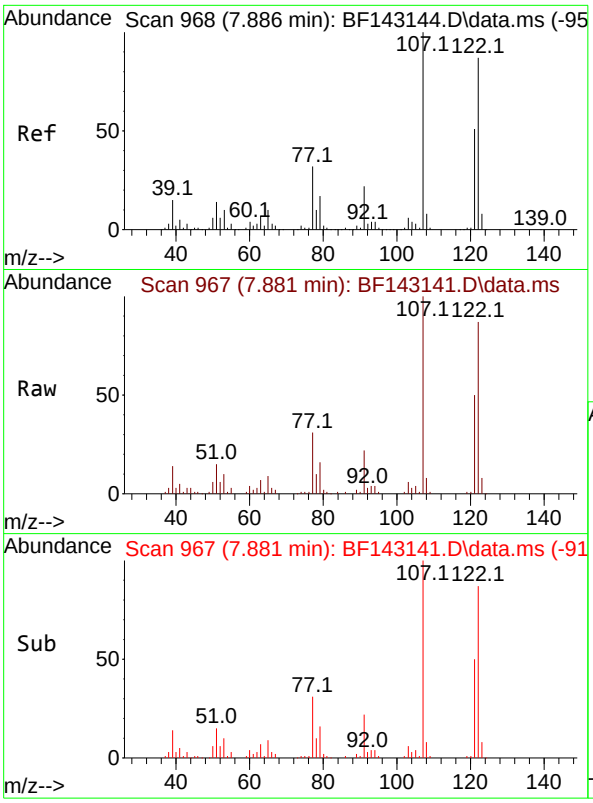


#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:139 Resp: 16827

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.6	35.4
65	55.0	42.6	64.0



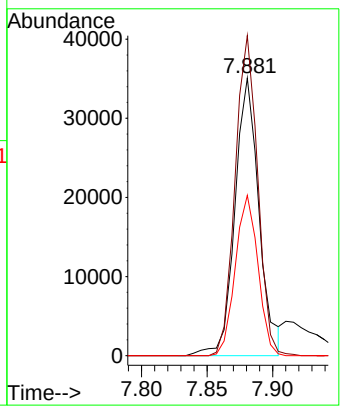


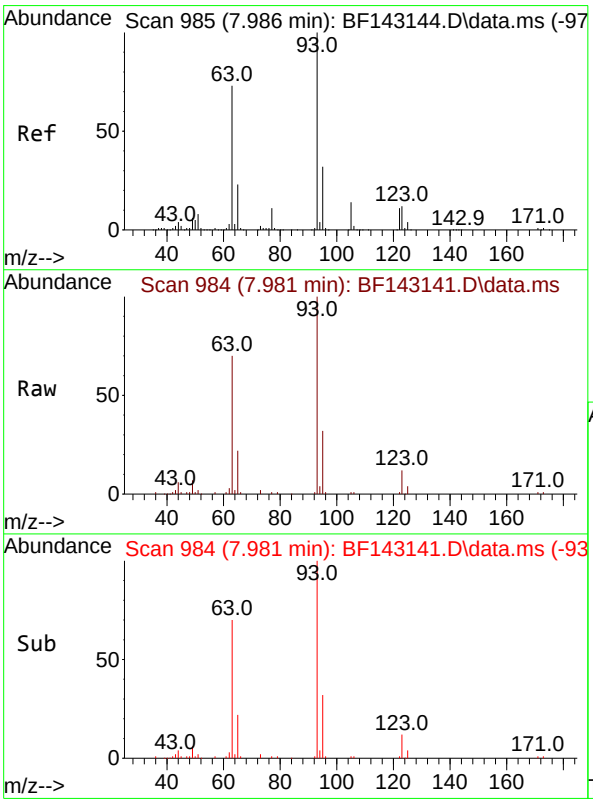
#27
2,4-Dimethylphenol
Concen: 5.382 ng
RT: 7.881 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 44954

Ion	Ratio	Lower	Upper
122	100		
107	115.3	91.8	137.6
121	57.8	46.3	69.5

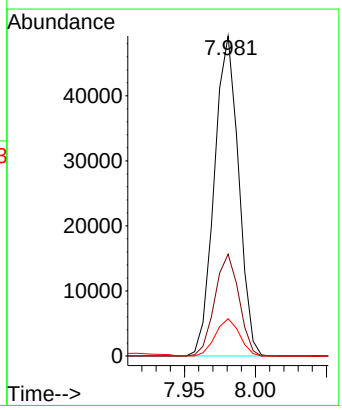


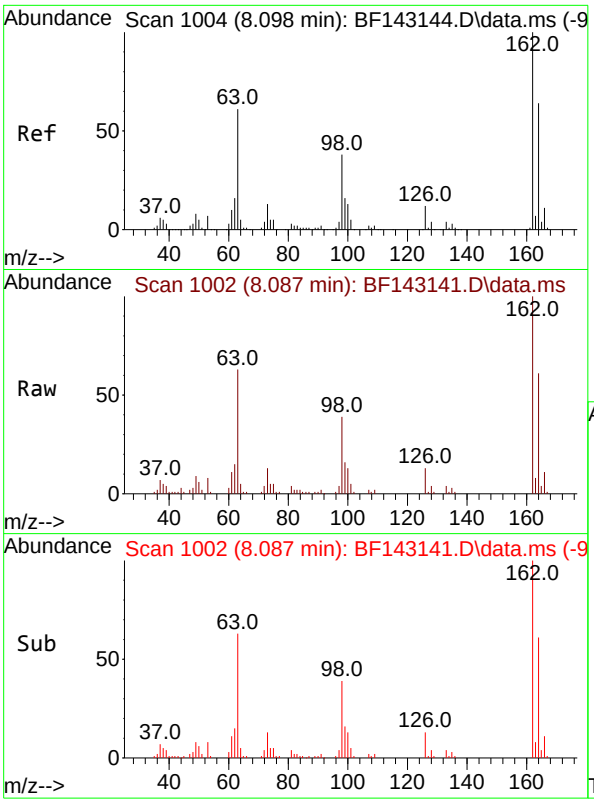


#28
bis(2-Chloroethoxy)methane
Concen: 5.455 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 93 Resp: 58465

Ion	Ratio	Lower	Upper
93	100		
95	31.8	25.8	38.6
123	11.7	9.7	14.5



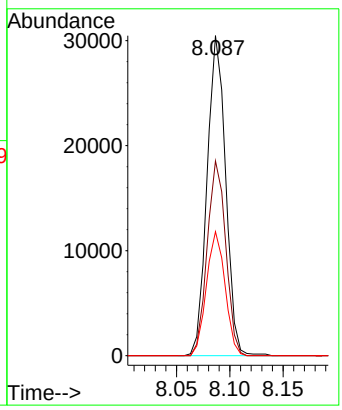


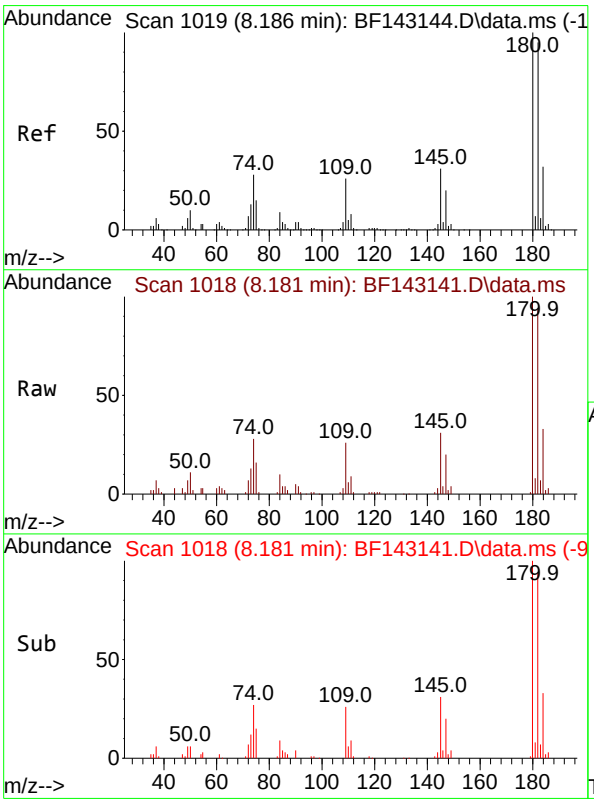
#29
2,4-Dichlorophenol
Concen: 5.236 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 36884

Ion	Ratio	Lower	Upper
162	100		
164	60.8	44.2	84.2
98	38.7	17.9	57.9

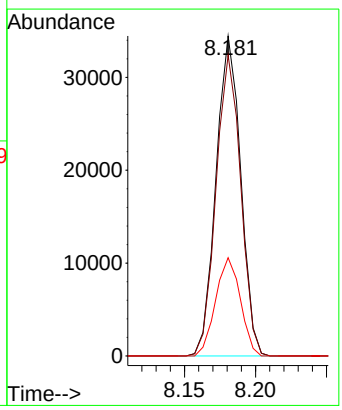


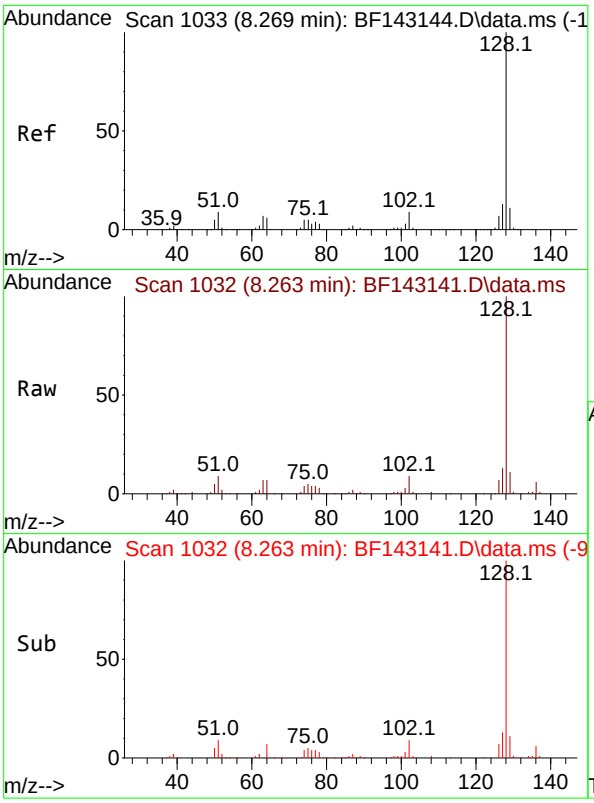


#30
1,2,4-Trichlorobenzene
Concen: 5.460 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:180 Resp: 41552

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.2	114.2
145	30.7	25.0	37.6



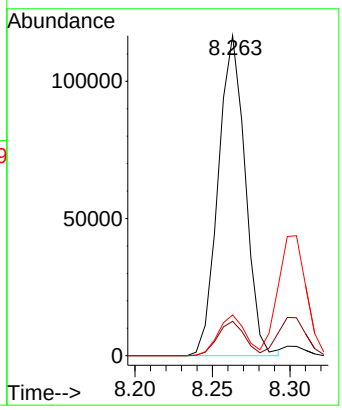


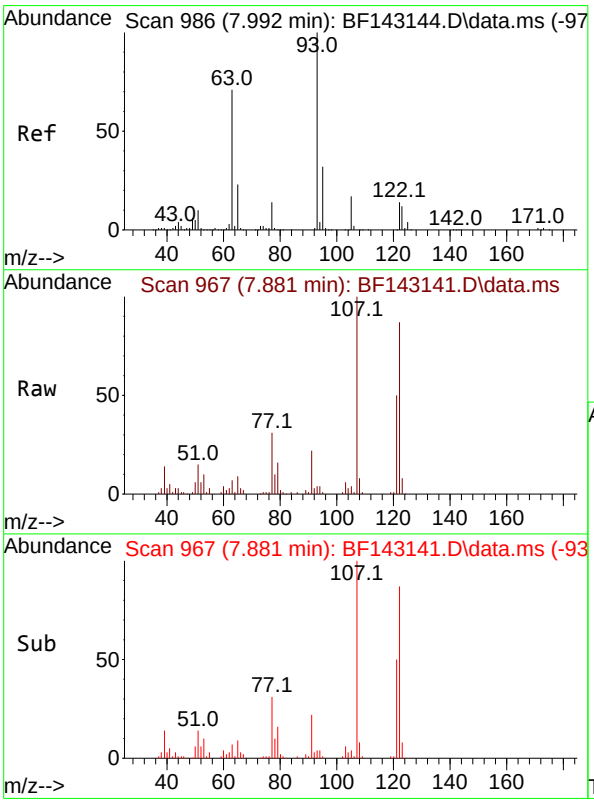
#31
Naphthalene
Concen: 5.676 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 141099

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.7	10.6	16.0

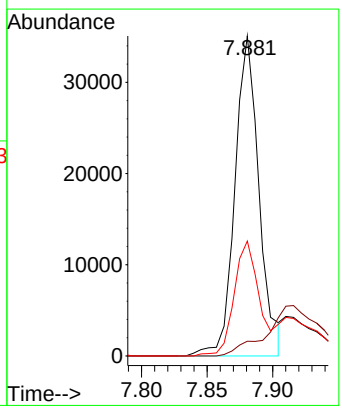


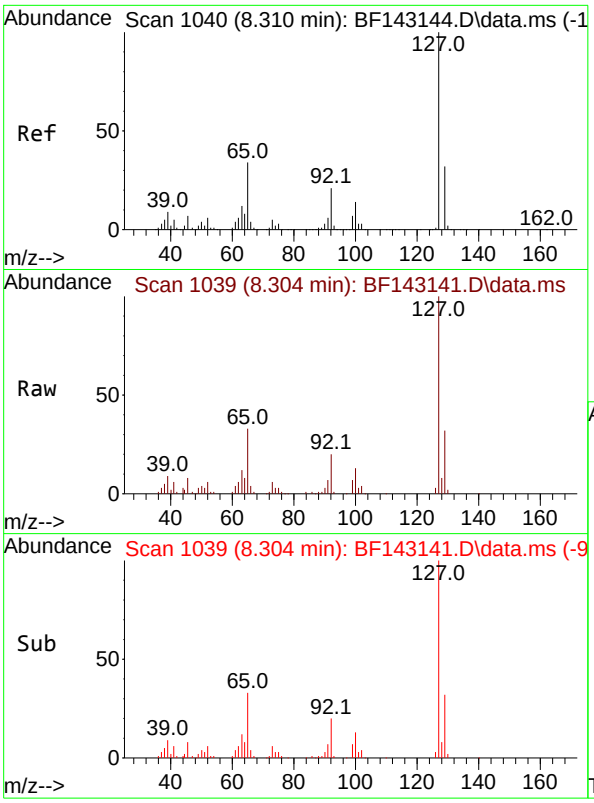


#32
Benzoic acid
Concen: 13.661 ng
RT: 7.881 min Scan# 967
Delta R.T. -0.111 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:122 Resp: 44954

Ion	Ratio	Lower	Upper
122	100		
105	4.6	104.8	144.8#
77	35.9	77.6	117.6#



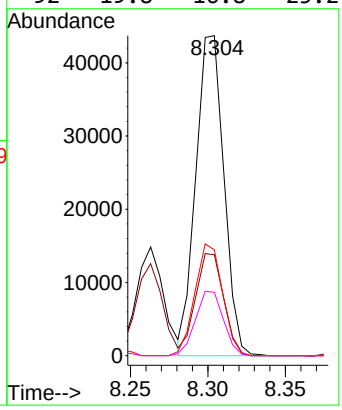


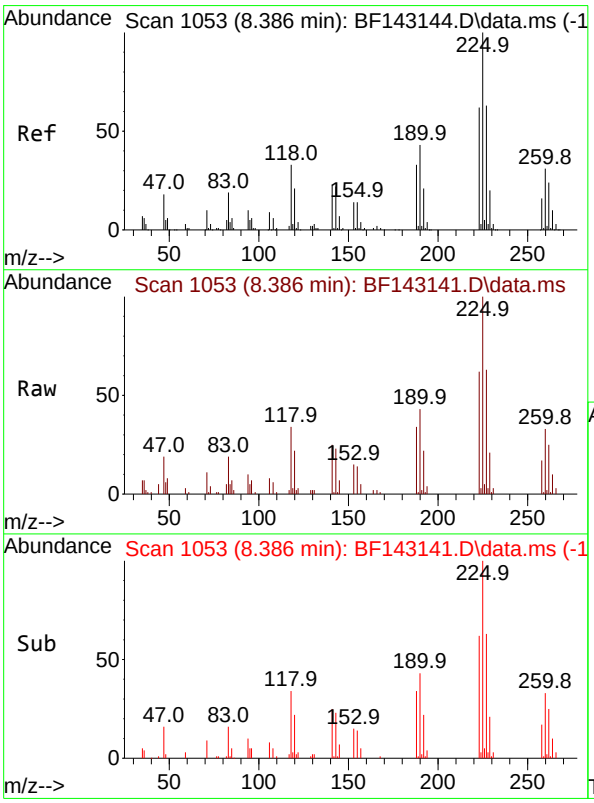
#33
4-Chloroaniline
Concen: 5.431 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 55130

Ion	Ratio	Lower	Upper
127	100		
129	31.6	26.0	39.0
65	33.0	27.4	41.2
92	19.8	16.8	25.2

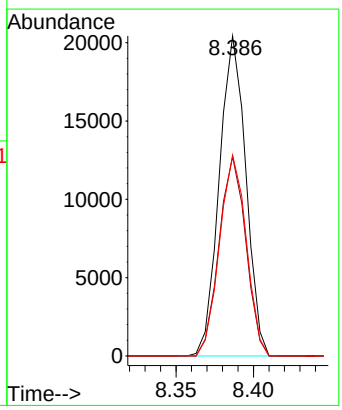


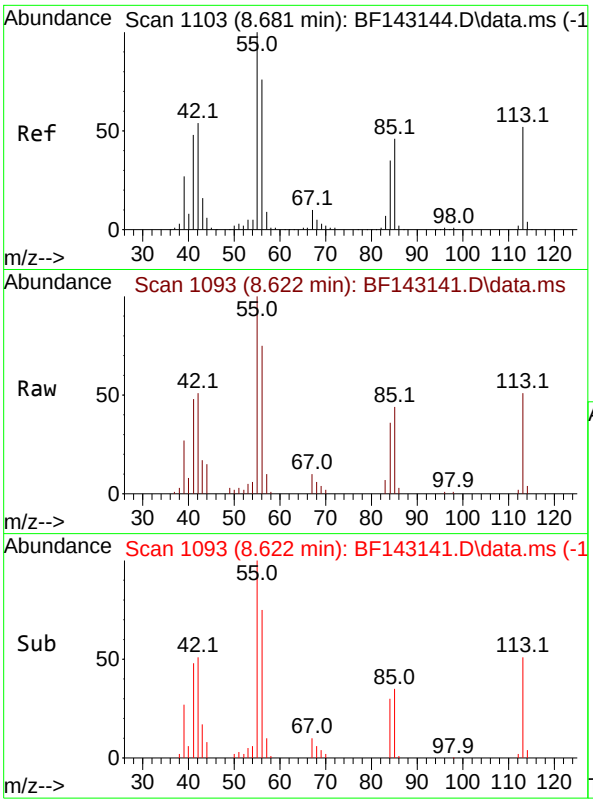


#34
Hexachlorobutadiene
Concen: 5.232 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:225 Resp: 24322

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	62.8	50.2	75.4



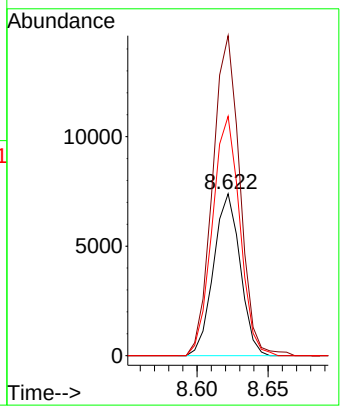


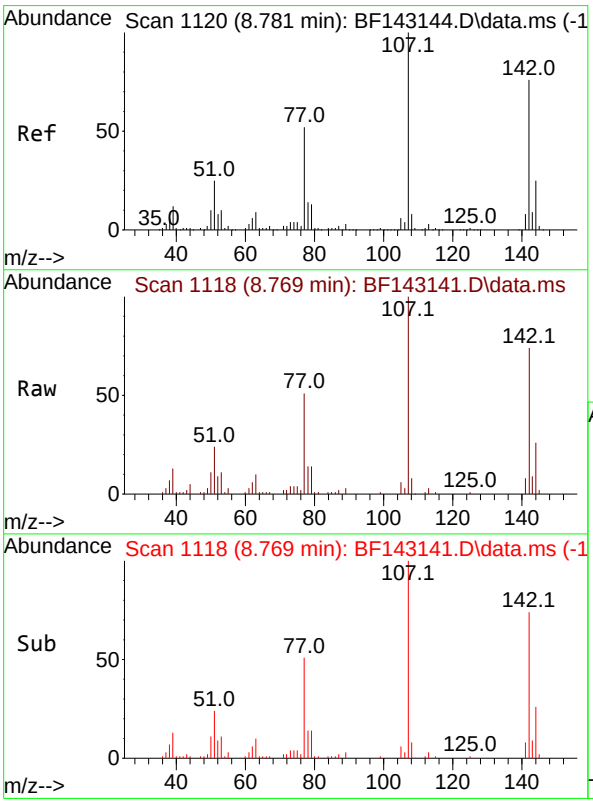
#35
Caprolactam
Concen: 4.532 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.059 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 9647

Ion	Ratio	Lower	Upper
113	100		
55	197.6	174.0	214.0
56	147.8	126.6	166.6

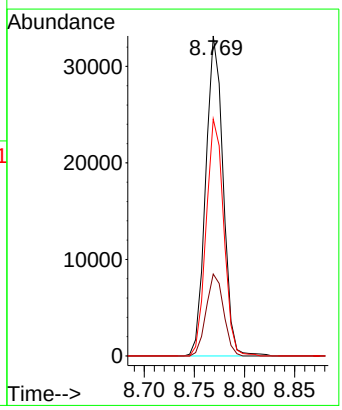


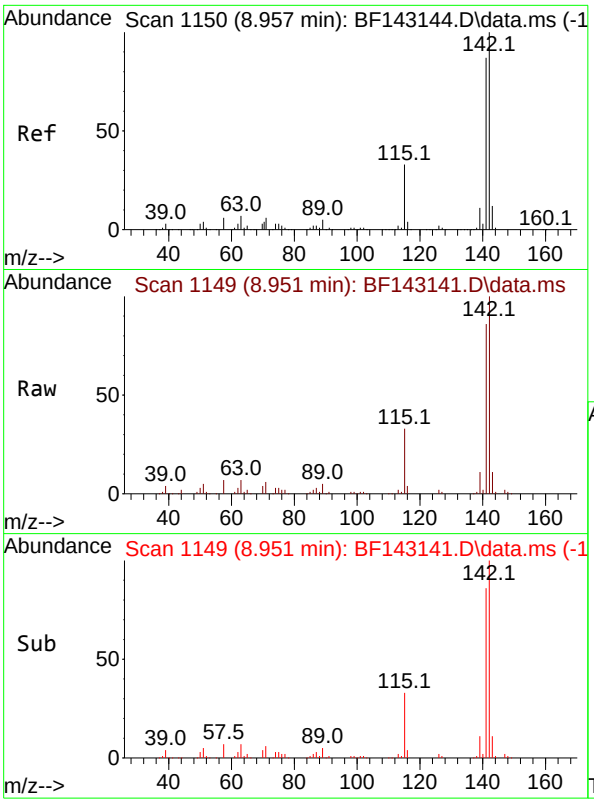


#36
4-Chloro-3-methylphenol
Concen: 5.251 ng
RT: 8.769 min Scan# 1118
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:107 Resp: 40203

Ion	Ratio	Lower	Upper
107	100		
144	25.6	19.8	29.6
142	74.1	60.6	90.8



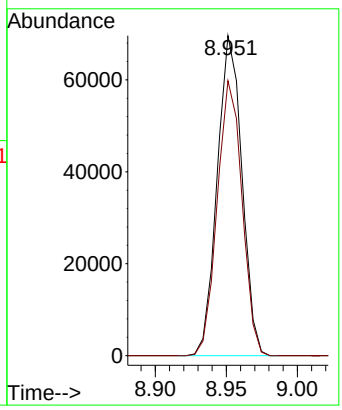


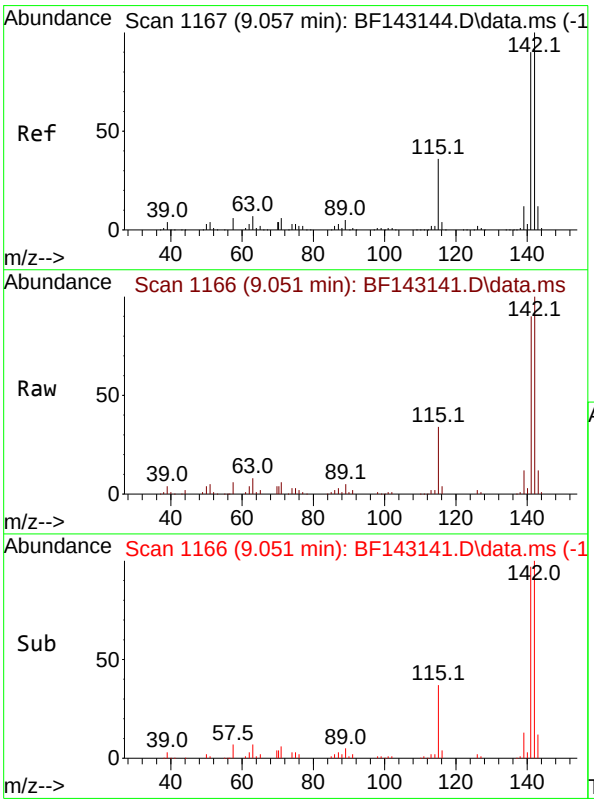
#37
2-Methylnaphthalene
Concen: 5.568 ng
RT: 8.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 84234

Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.9	104.9

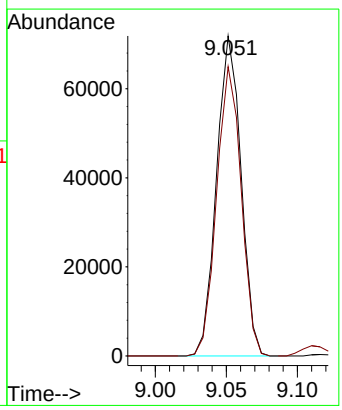


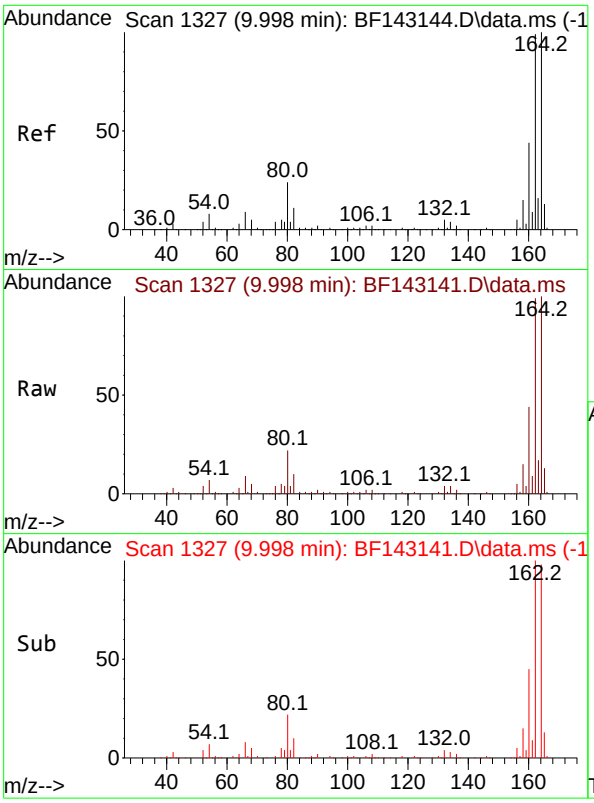


#38
1-Methylnaphthalene
Concen: 5.529 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:142 Resp: 86130

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5



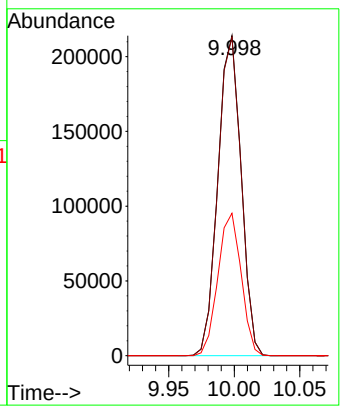


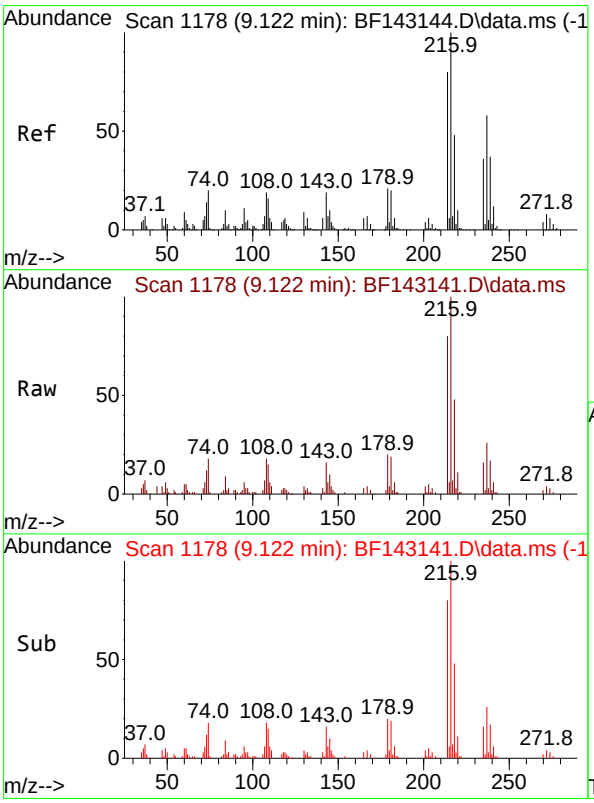
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 263409

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.0	118.6
160	44.5	35.1	52.7

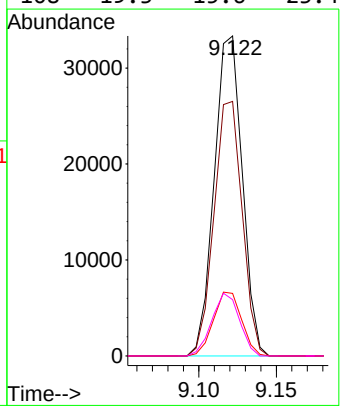


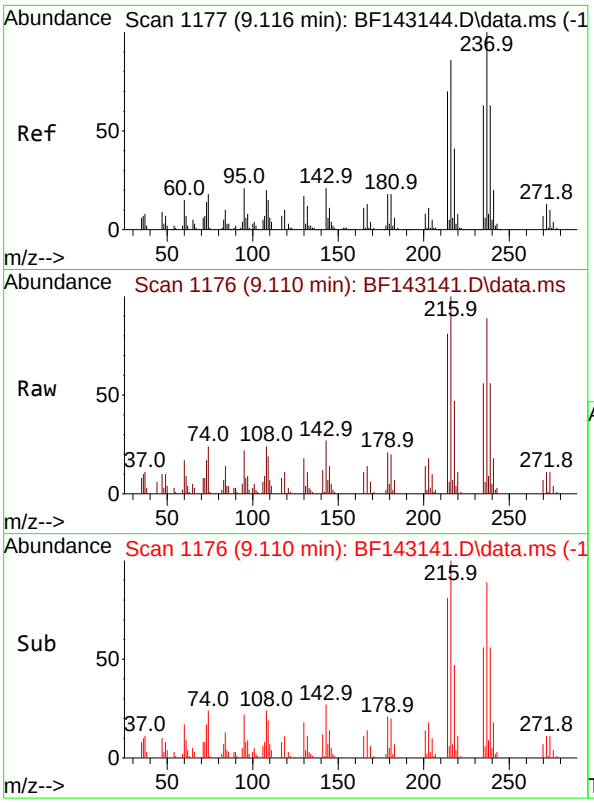


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.523 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:216 Resp: 41999

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.8	95.8
179	20.1	16.4	24.6
108	19.3	15.6	23.4



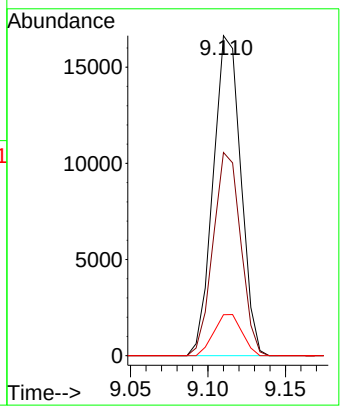


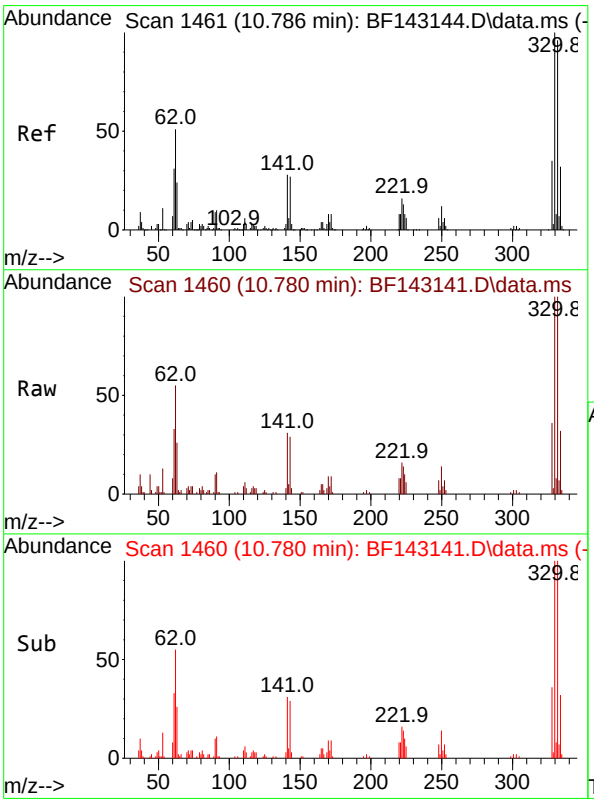
#41
Hexachlorocyclopentadiene
Concen: 4.177 ng
RT: 9.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 20668

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.0	83.0
272	12.8	0.0	33.3

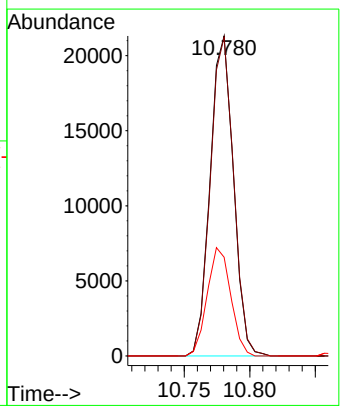


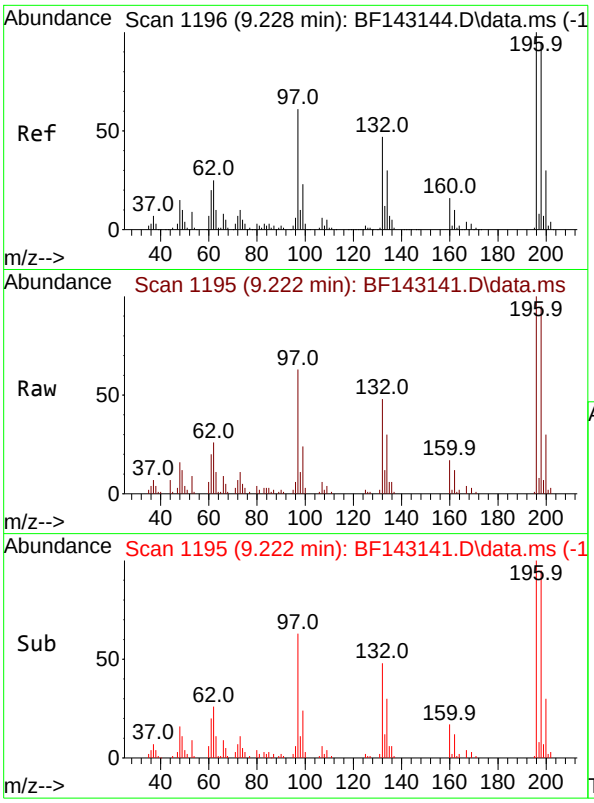


#42
2,4,6-Tribromophenol
Concen: 9.661 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:330 Resp: 26288

Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.7	115.1
141	34.3	23.3	34.9



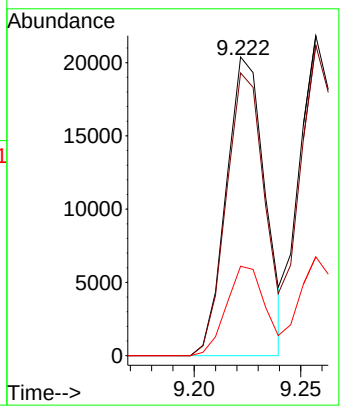


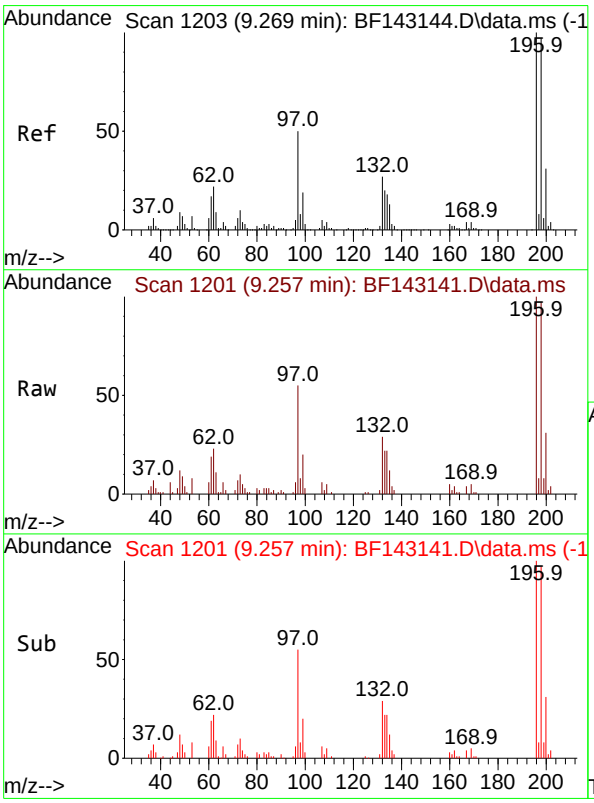
#43
2,4,6-Trichlorophenol
Concen: 4.889 ng
RT: 9.222 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 25730

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.2	114.2
200	30.0	23.9	35.9

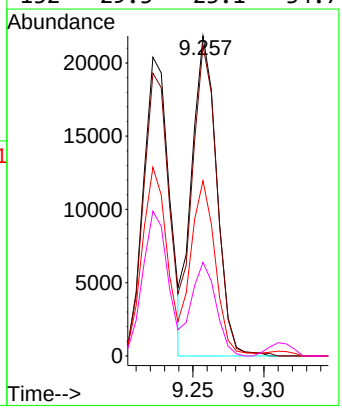


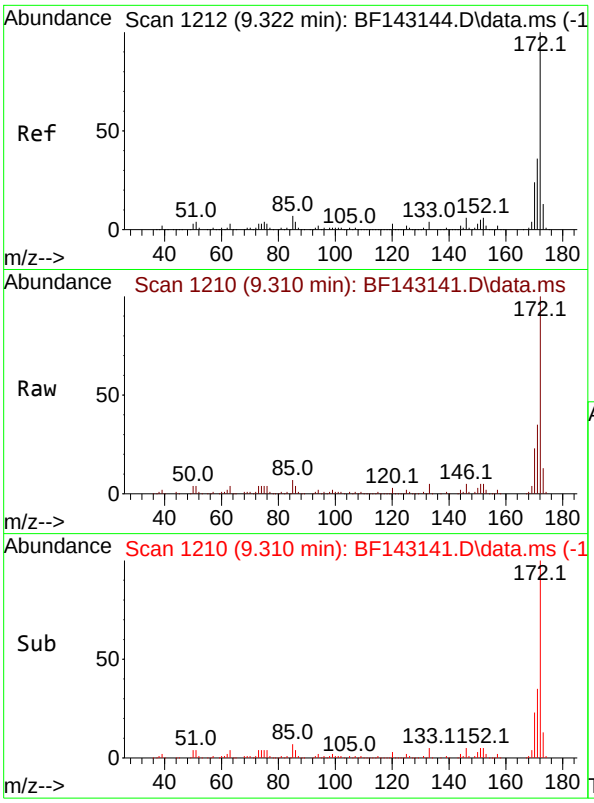


#44
2,4,5-Trichlorophenol
Concen: 5.057 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:196 Resp: 26626

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	54.7	40.3	60.5
132	29.3	23.1	34.7



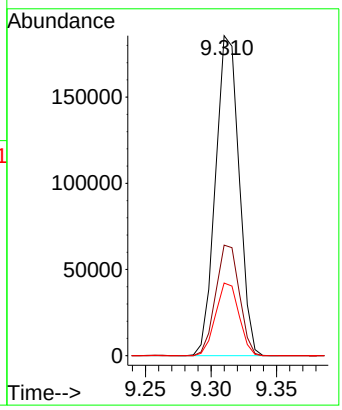


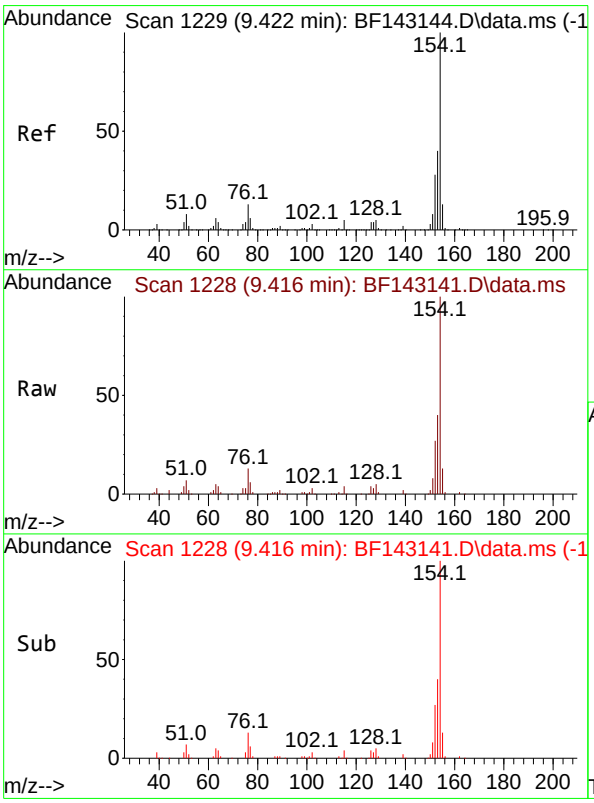
#45
2-Fluorobiphenyl
Concen: 12.043 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 231962

Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.6	42.8
170	22.7	18.8	28.2

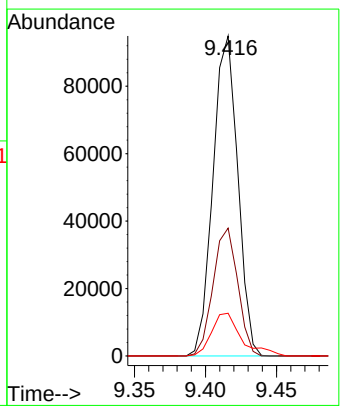


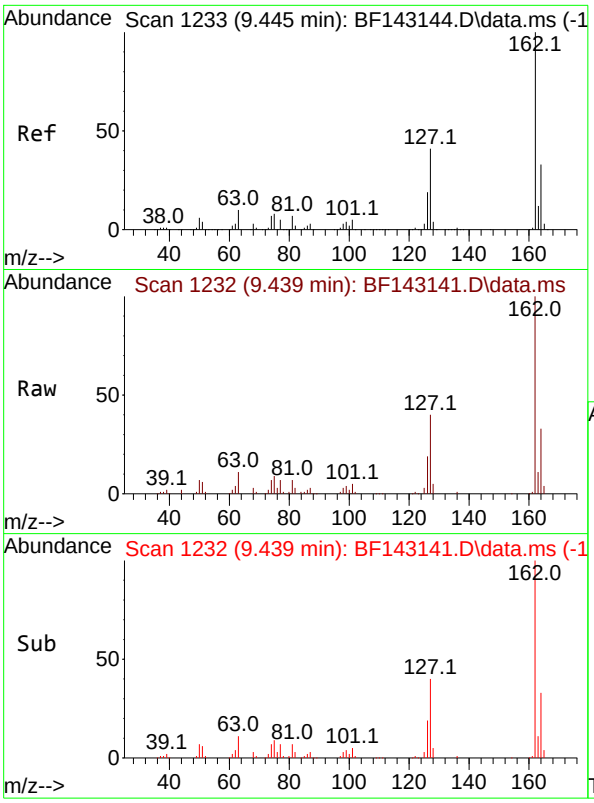


#46
1,1'-Biphenyl
Concen: 5.602 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:154 Resp: 115130

Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.4	0.0	33.3



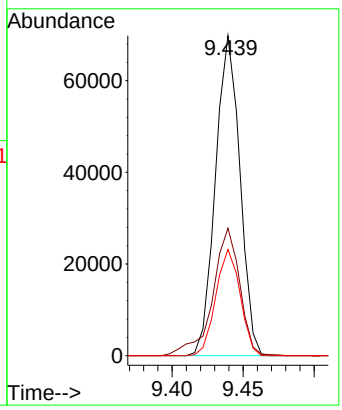


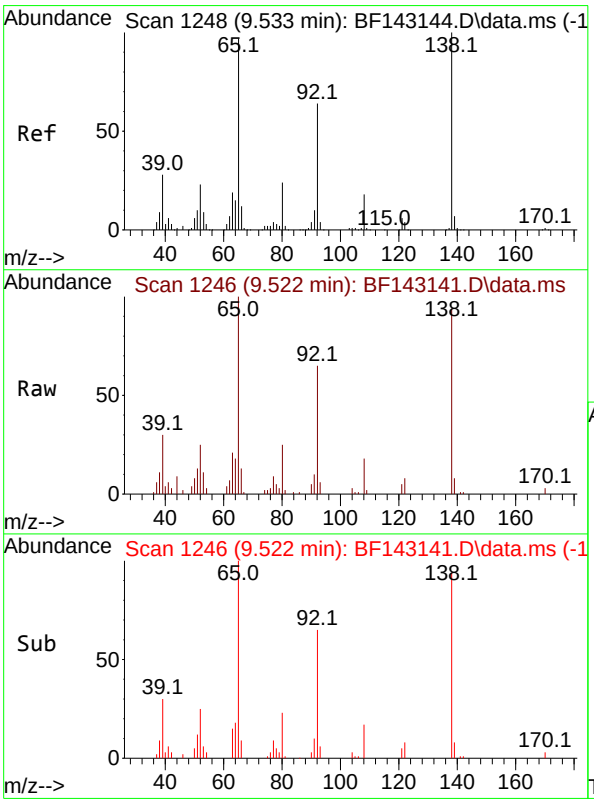
#47
2-Chloronaphthalene
Concen: 5.491 ng
RT: 9.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 83495

Ion	Ratio	Lower	Upper
162	100		
127	39.8	33.4	50.2
164	33.2	26.2	39.2

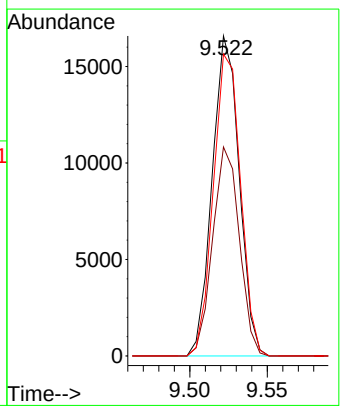


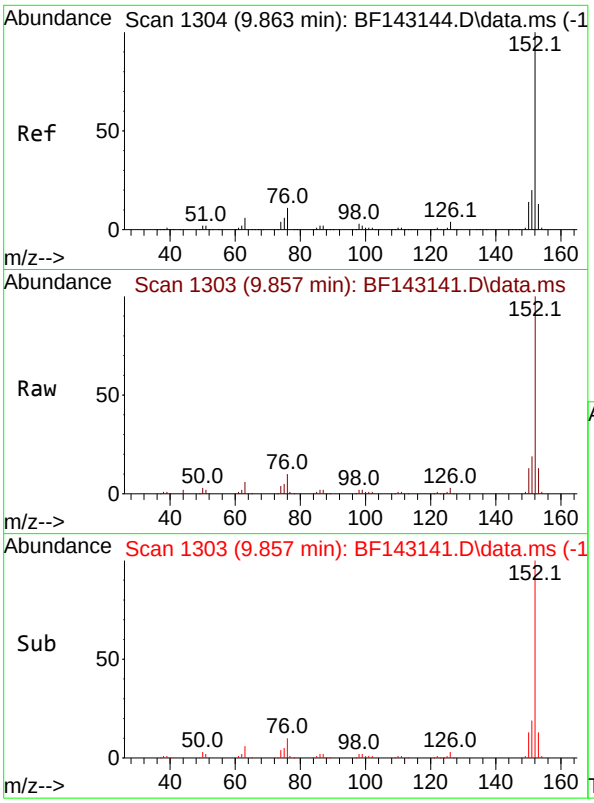


#48
2-Nitroaniline
Concen: 4.210 ng
RT: 9.522 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion: 65 Resp: 20076

Ion	Ratio	Lower	Upper
65	100		
92	65.3	52.4	78.6
138	94.3	82.3	123.5



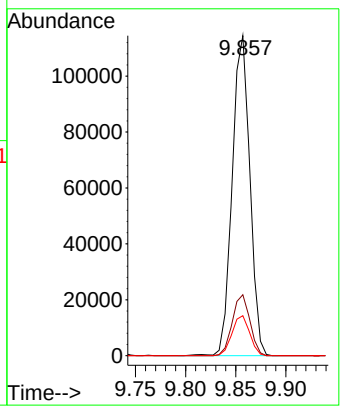


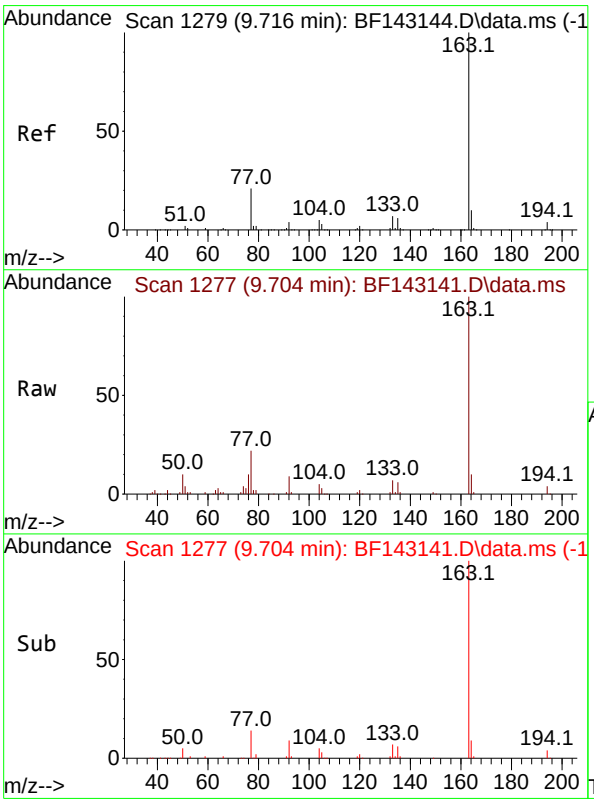
#49
Acenaphthylene
Concen: 5.514 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 140525

Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.2	24.2
153	12.5	10.6	16.0

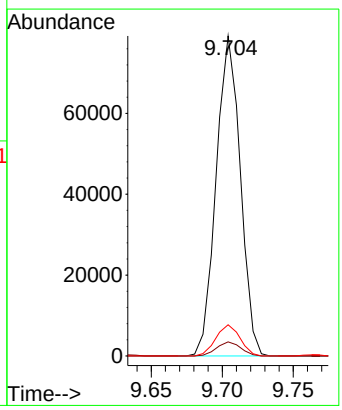


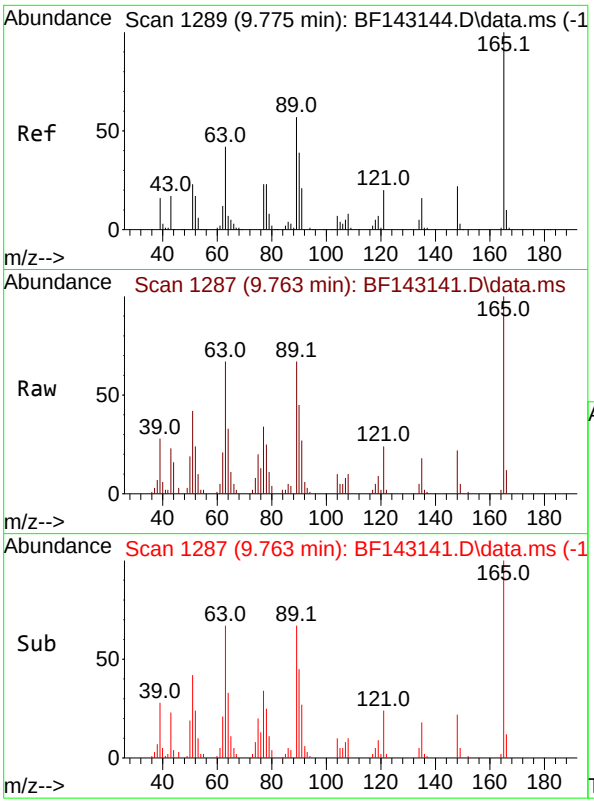


#50
Dimethylphthalate
Concen: 5.452 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:163 Resp: 93611

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.8	8.3	12.5



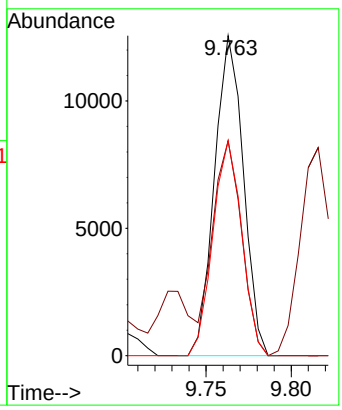


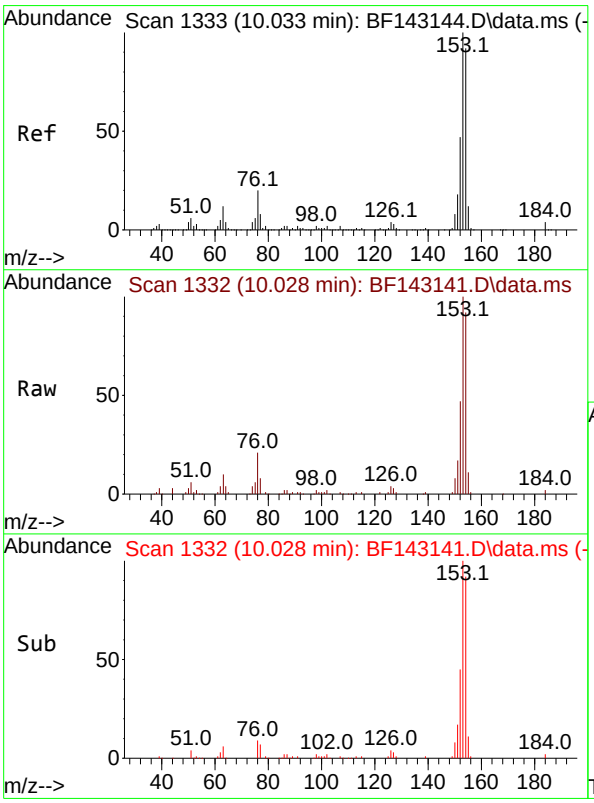
#51
2,6-Dinitrotoluene
Concen: 4.234 ng
RT: 9.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 14787

Ion	Ratio	Lower	Upper
165	100		
63	67.1	49.4	74.2
89	67.2	46.2	69.2

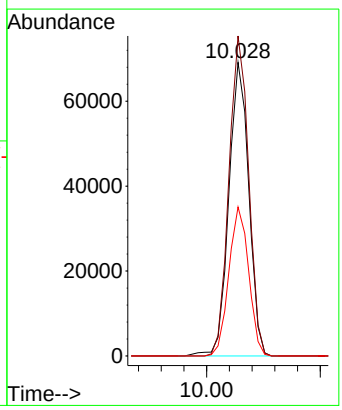


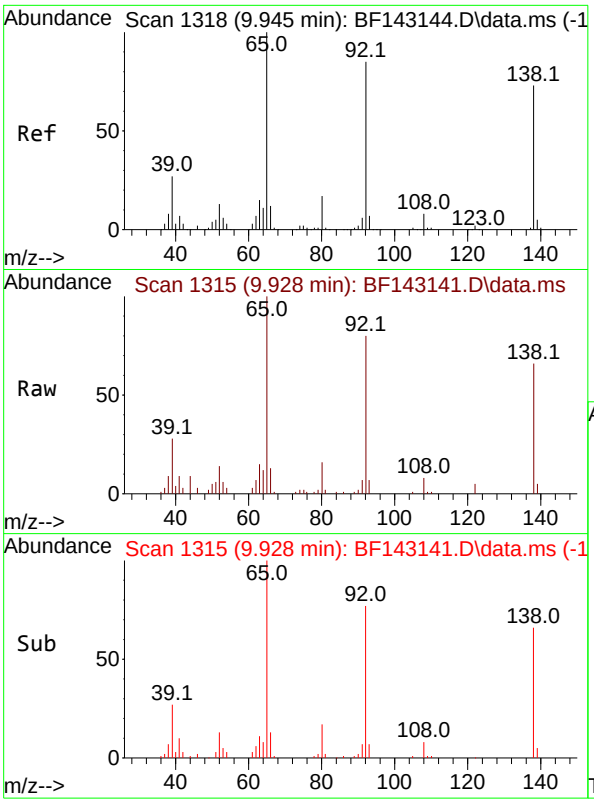


#52
Acenaphthene
Concen: 5.588 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:154 Resp: 84160

Ion	Ratio	Lower	Upper
154	100		
153	109.0	86.6	129.8
152	50.7	40.4	60.6



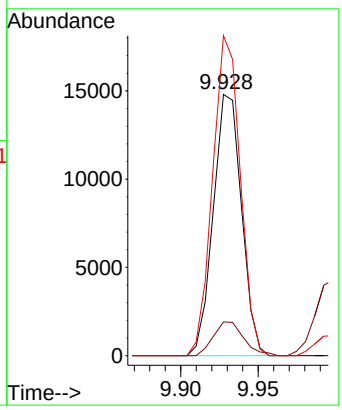


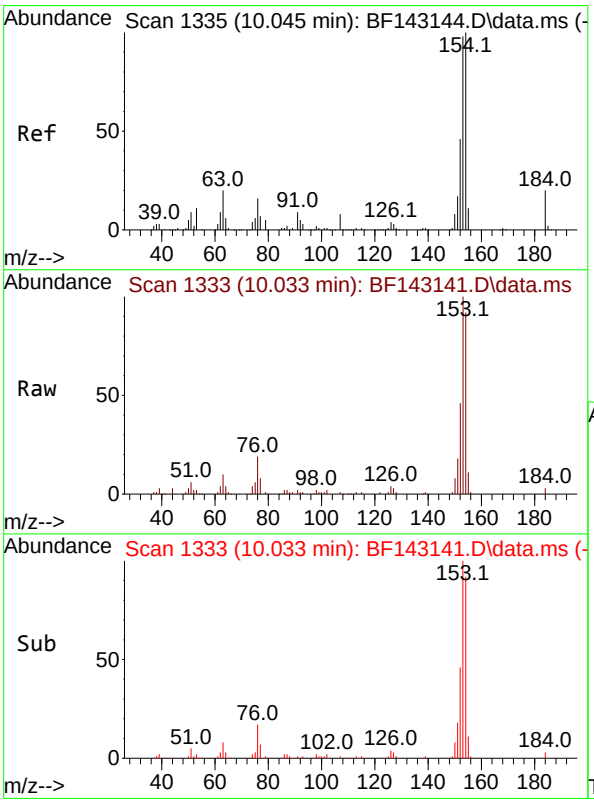
#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 18738

Ion	Ratio	Lower	Upper
138	100		
108	12.9	9.0	13.6
92	122.5	93.0	139.4

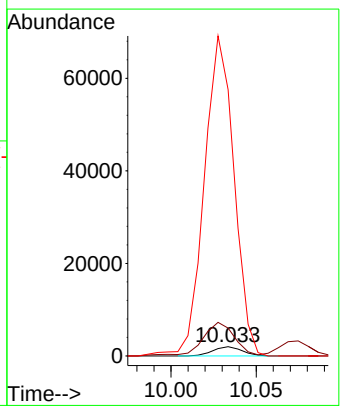


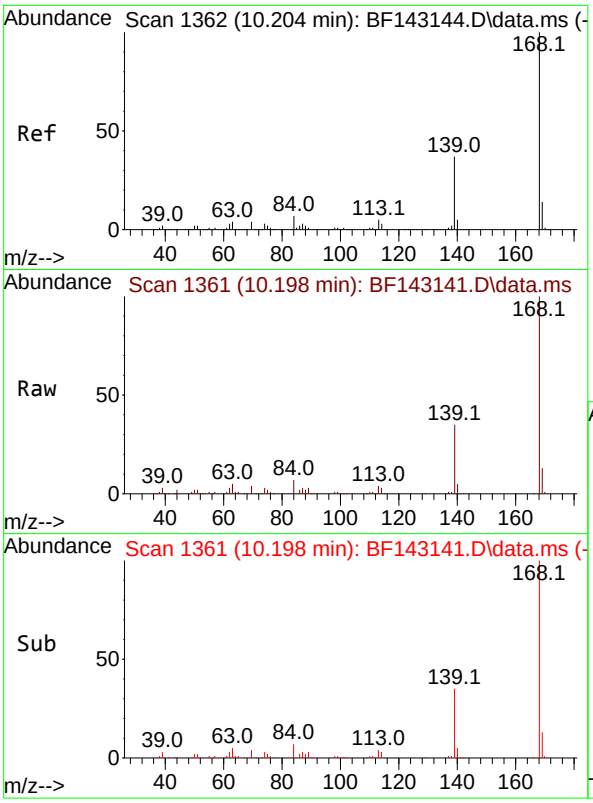


#54
2,4-Dinitrophenol
Concen: 8.047 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:184 Resp: 2389

Ion	Ratio	Lower	Upper
184	100		
63	298.3	81.8	122.6#
154	2856.8	412.2	618.4#



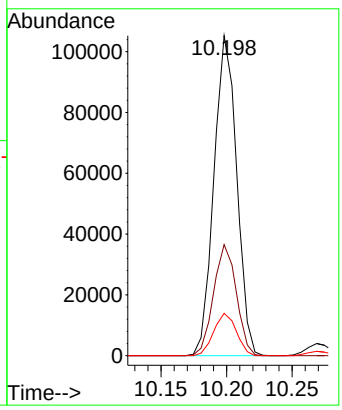


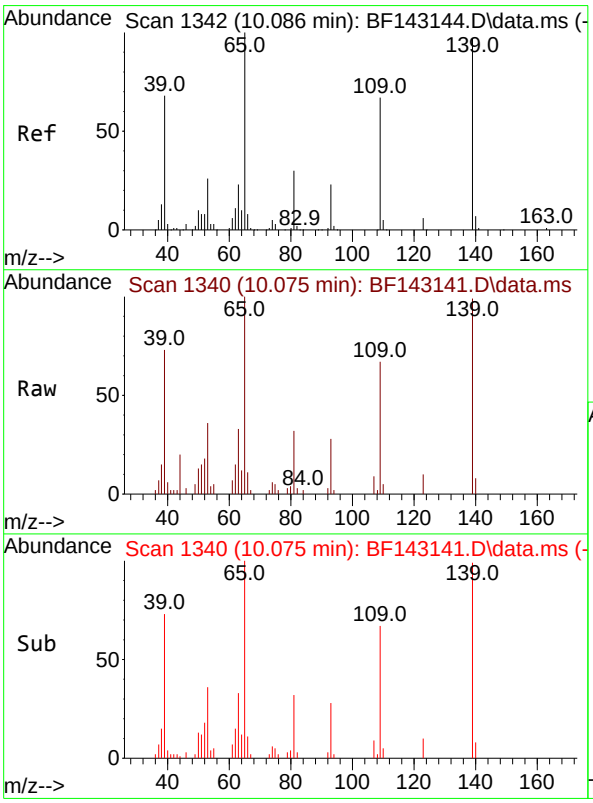
#55
Dibenzofuran
Concen: 5.681 ng
RT: 10.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 127035

Ion	Ratio	Lower	Upper
168	100		
139	34.7	29.5	44.3
169	13.3	10.9	16.3

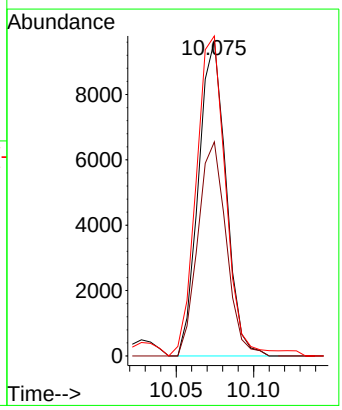


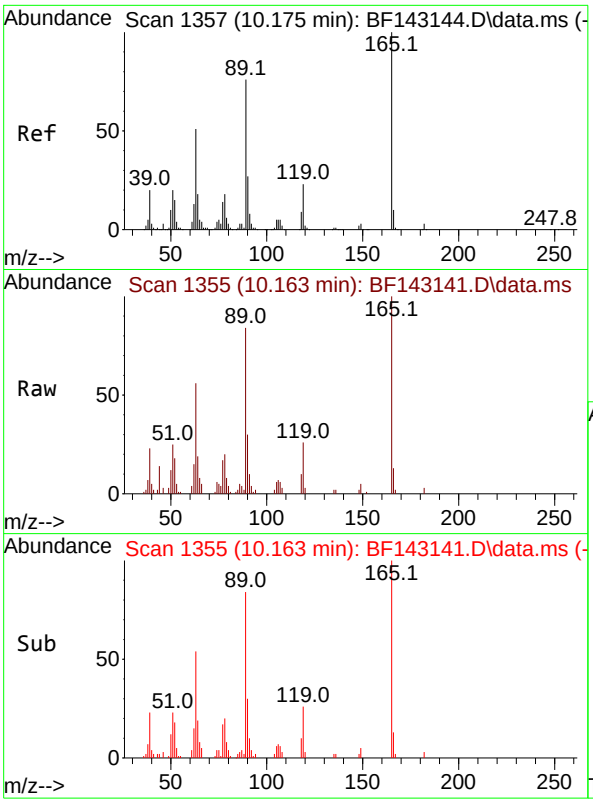


#56
4-Nitrophenol
Concen: 3.899 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:139 Resp: 11894

Ion	Ratio	Lower	Upper
139	100		
109	67.9	48.5	88.5
65	101.5	83.4	123.4



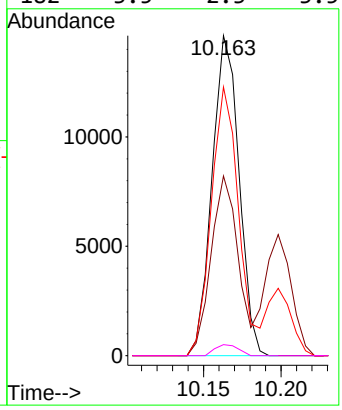


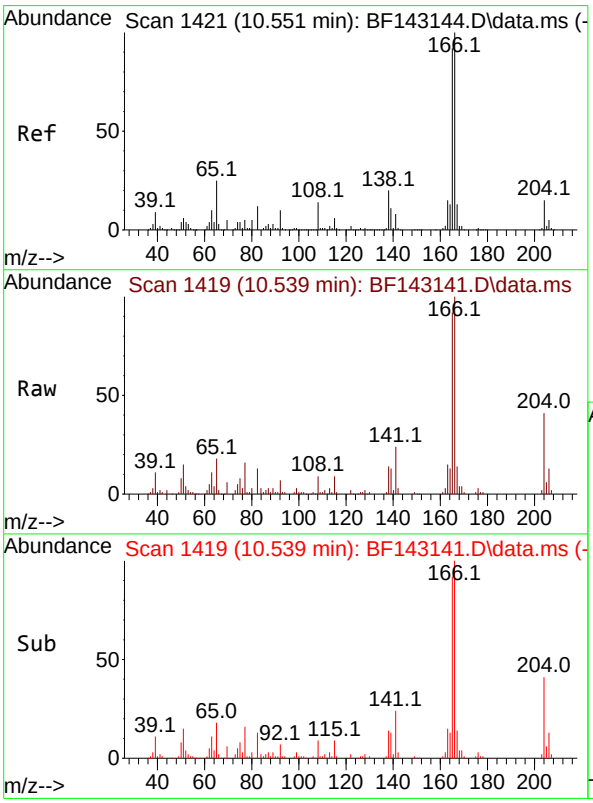
#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 17709

Ion	Ratio	Lower	Upper
165	100		
63	56.1	41.0	61.4
89	83.9	61.1	91.7
182	3.5	2.3	3.5

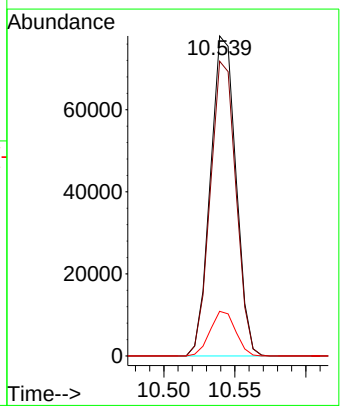


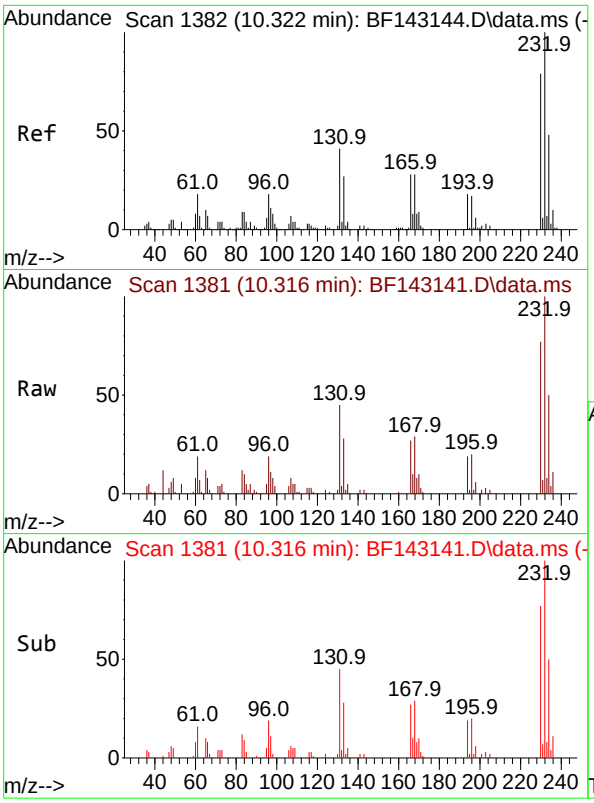


#58
Fluorene
Concen: 5.808 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:166 Resp: 97477

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	14.0	10.6	16.0



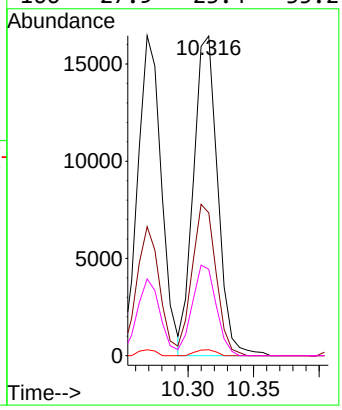


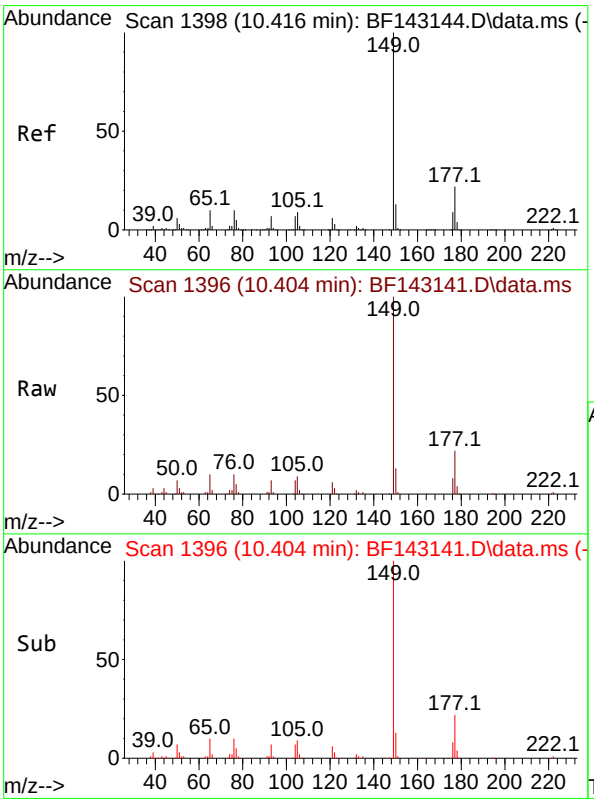
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.840 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 21108

Ion	Ratio	Lower	Upper
232	100		
131	46.6	35.3	52.9
130	1.6	1.7	2.5#
166	27.9	23.4	35.2

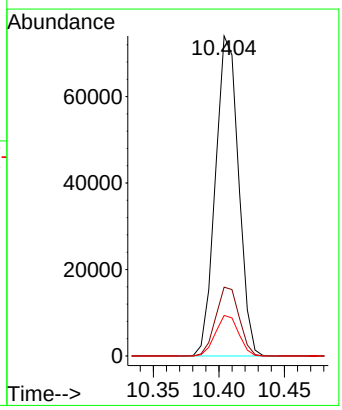


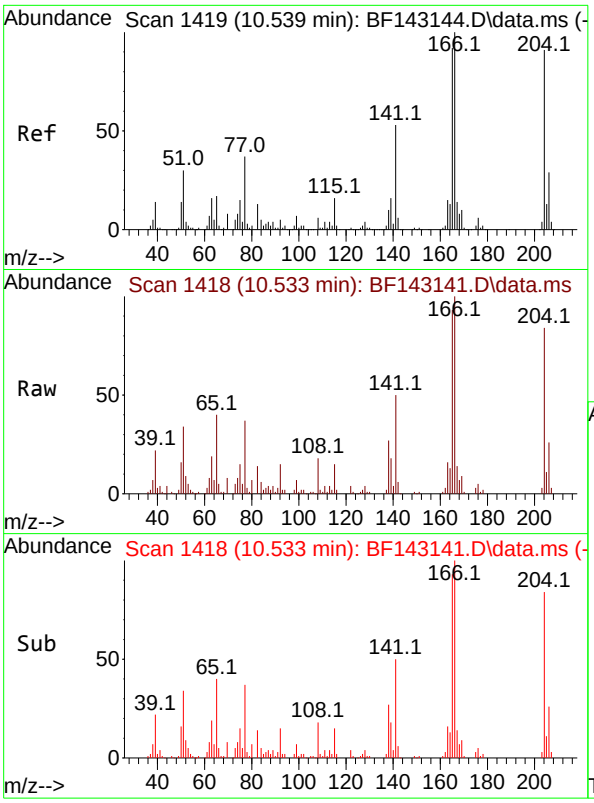


#60
Diethylphthalate
Concen: 5.342 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 90651

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.5	26.3
150	12.7	10.2	15.2



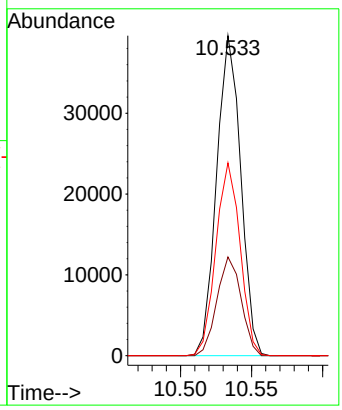


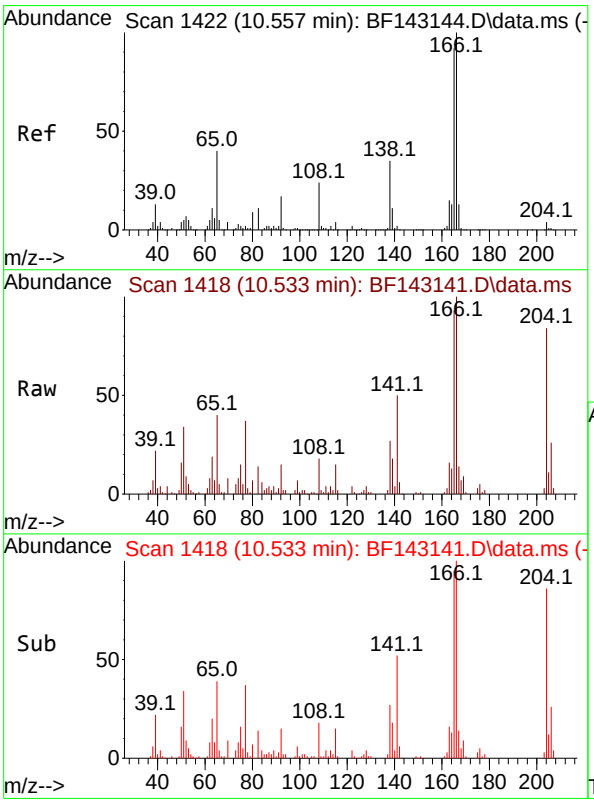
#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 46747

Ion	Ratio	Lower	Upper
204	100		
206	30.8	25.8	38.8
141	60.2	47.0	70.4

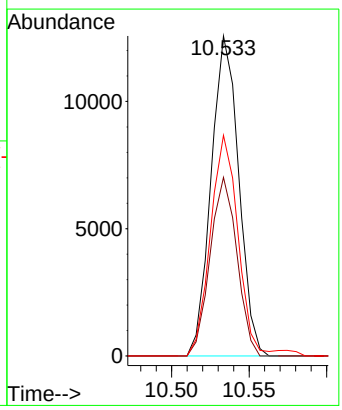


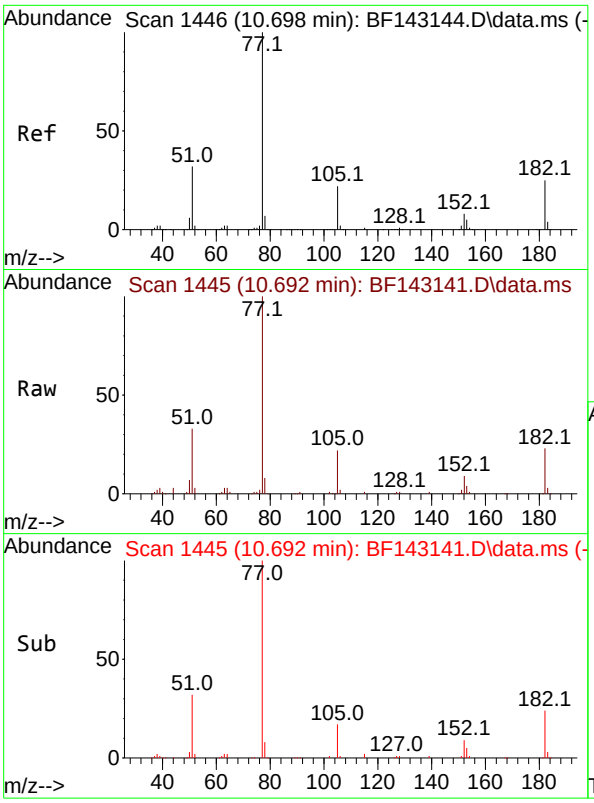


#62
4-Nitroaniline
Concen: 4.446 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:138 Resp: 15568

Ion	Ratio	Lower	Upper
138	100		
92	55.8	29.3	69.3
108	68.9	48.3	88.3



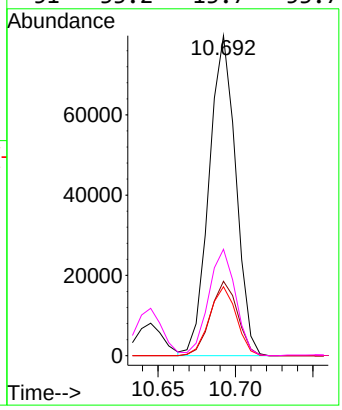


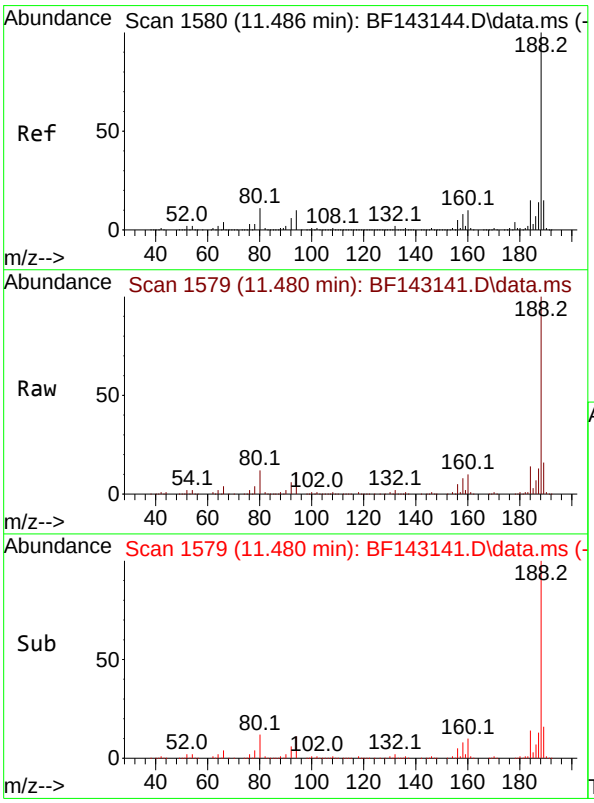
#63
Azobenzene
Concen: 5.405 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 95602

Ion	Ratio	Lower	Upper
77	100		
182	23.2	4.6	44.6
105	21.5	1.4	41.4
51	33.2	13.7	53.7

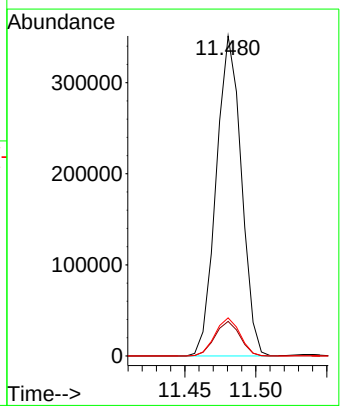


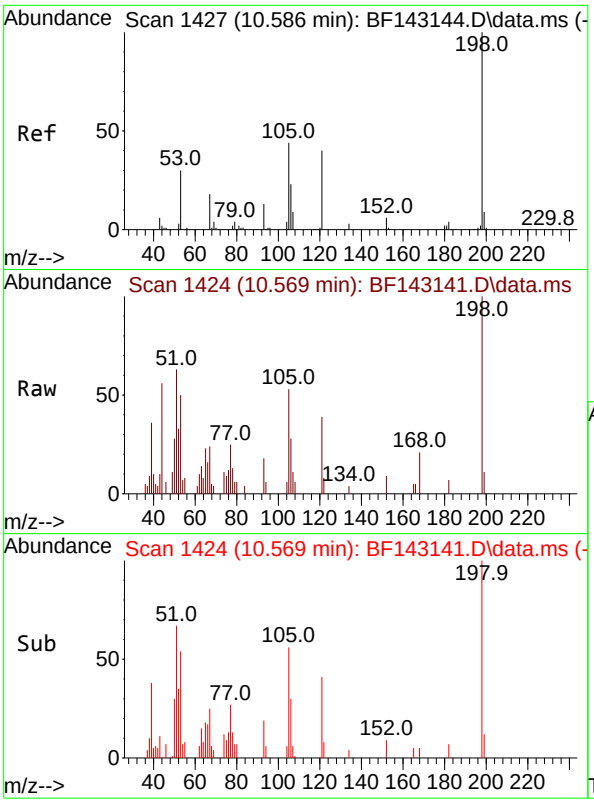


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:188 Resp: 432329

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.9	9.0	13.6



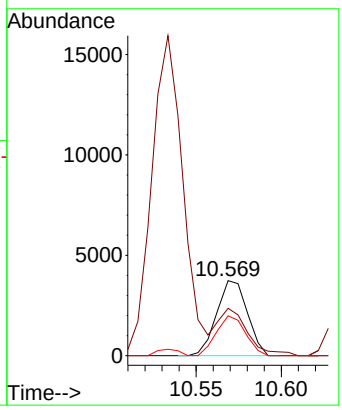


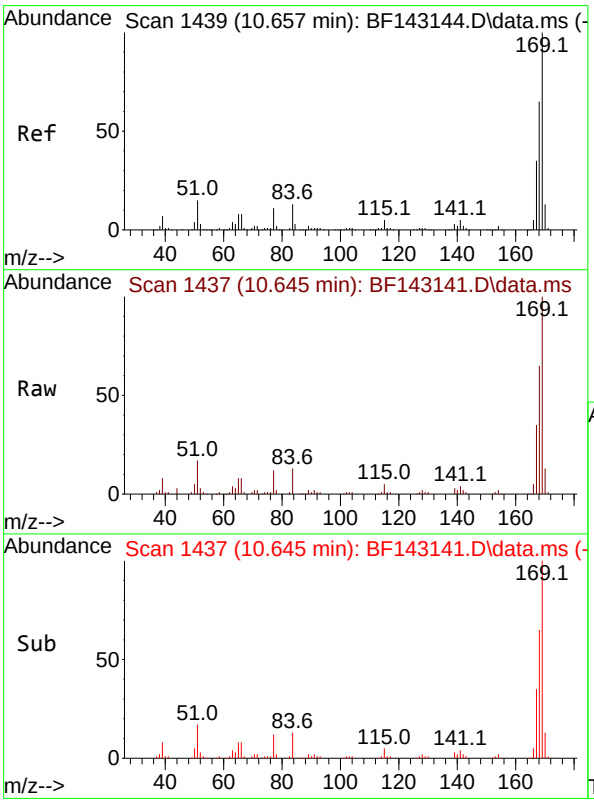
#65
4,6-Dinitro-2-methylphenol
Concen: 7.249 ng
RT: 10.569 min Scan# 14
Delta R.T. -0.017 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 4692

Ion	Ratio	Lower	Upper
198	100		
51	63.1	37.2	77.2
105	53.0	24.8	64.8

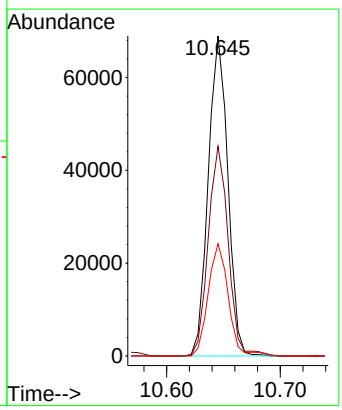


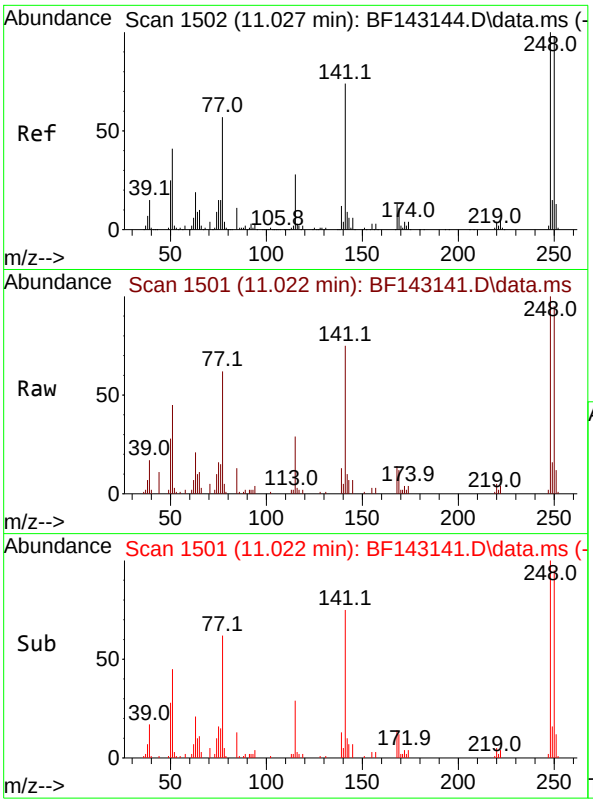


#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:169 Resp: 82281

Ion	Ratio	Lower	Upper
169	100		
168	65.5	52.1	78.1
167	35.1	28.2	42.2



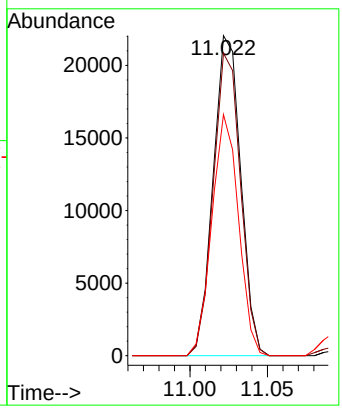


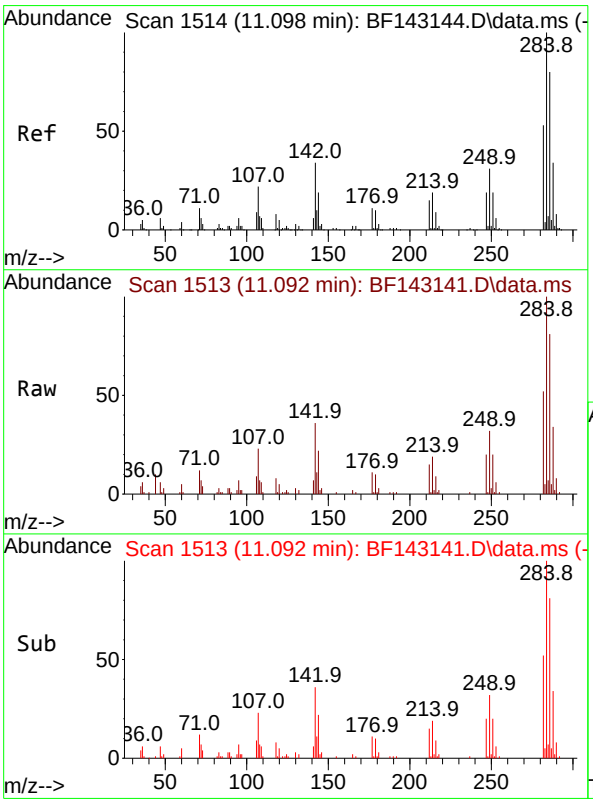
#67
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 27259

Ion	Ratio	Lower	Upper
248	100		
250	94.5	78.3	117.5
141	75.4	59.2	88.8

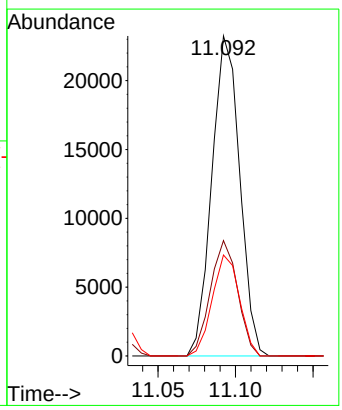


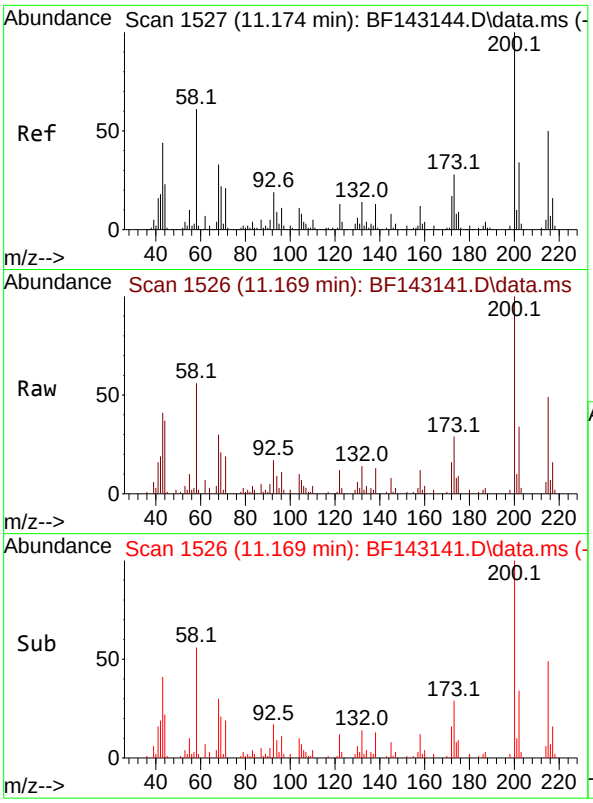


#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:284 Resp: 29052

Ion	Ratio	Lower	Upper
284	100		
142	36.1	27.0	40.6
249	31.5	25.0	37.6



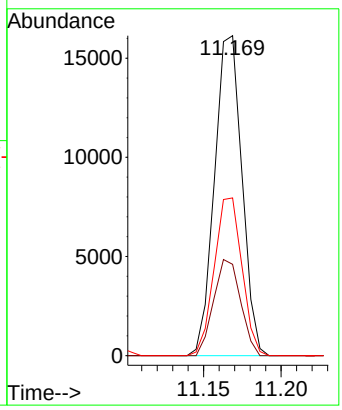


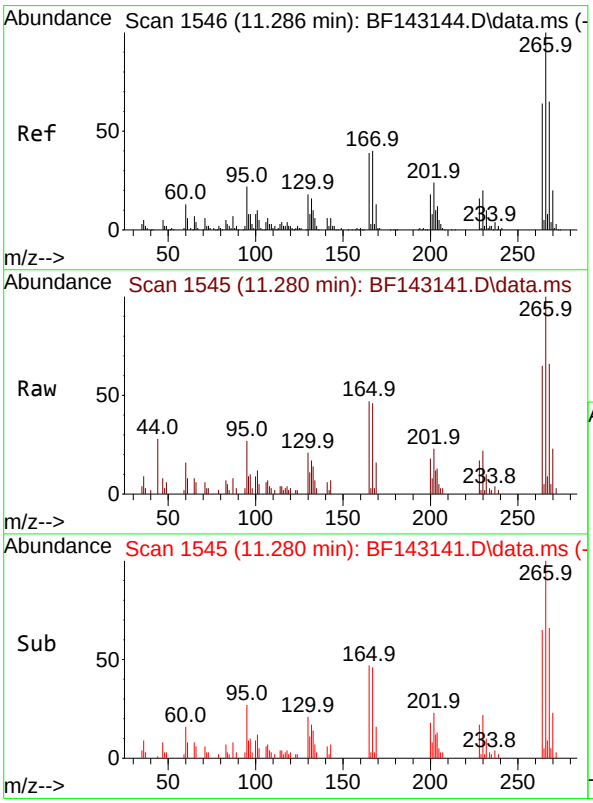
#69
Atrazine
Concen: 4.733 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 19865

Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.9	47.9
215	49.3	30.1	70.1

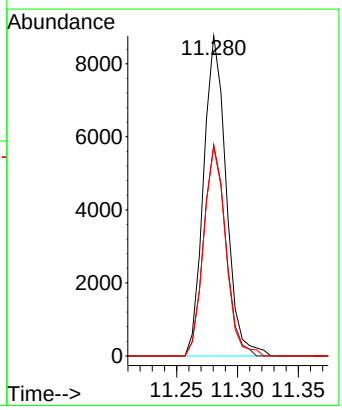


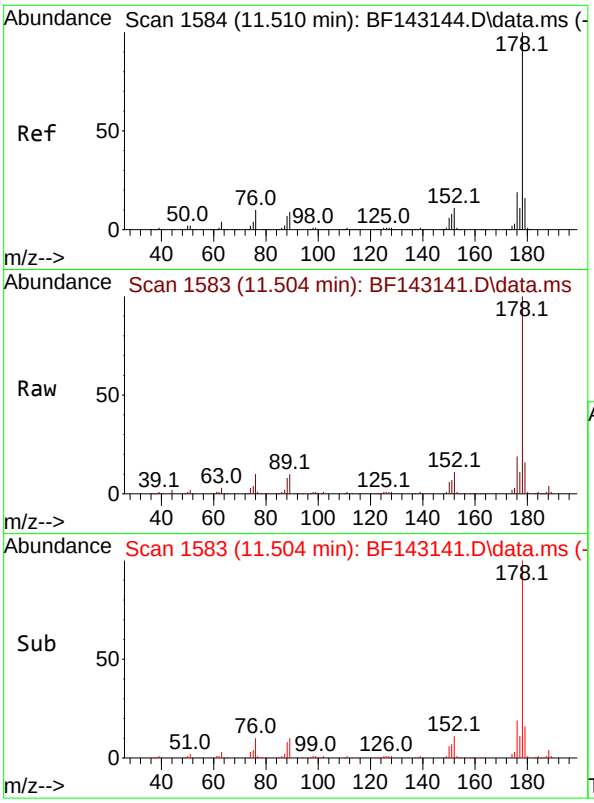


#70
Pentachlorophenol
Concen: 3.566 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:266 Resp: 11294

Ion	Ratio	Lower	Upper
266	100		
268	66.0	51.9	77.9
264	65.4	51.0	76.6



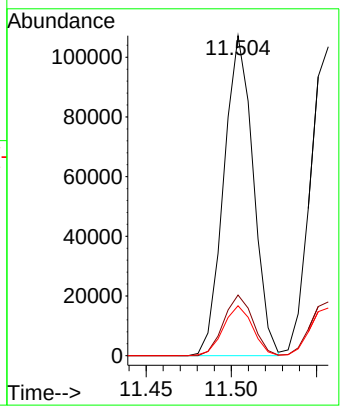


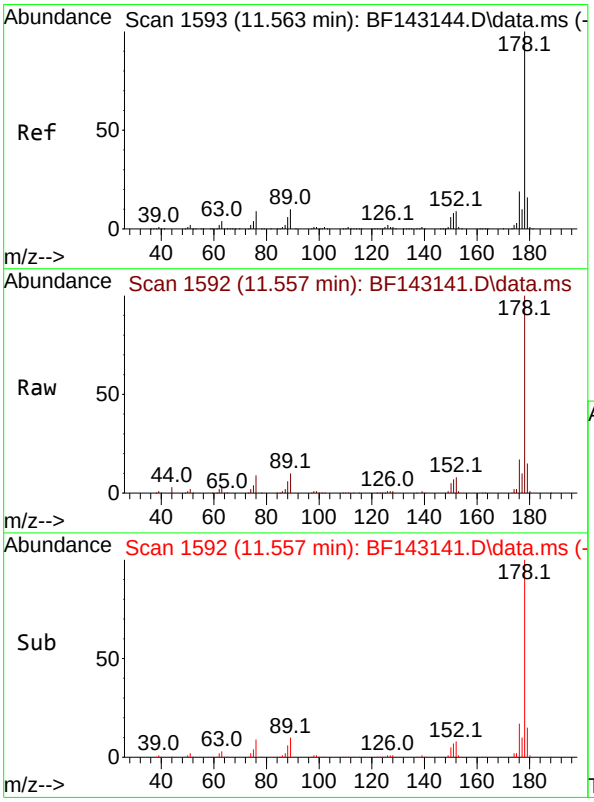
#71
Phenanthrene
Concen: 5.609 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 128762

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.6	12.5	18.7

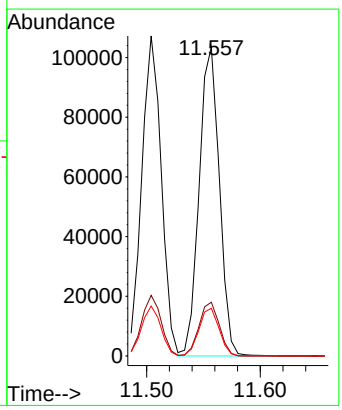


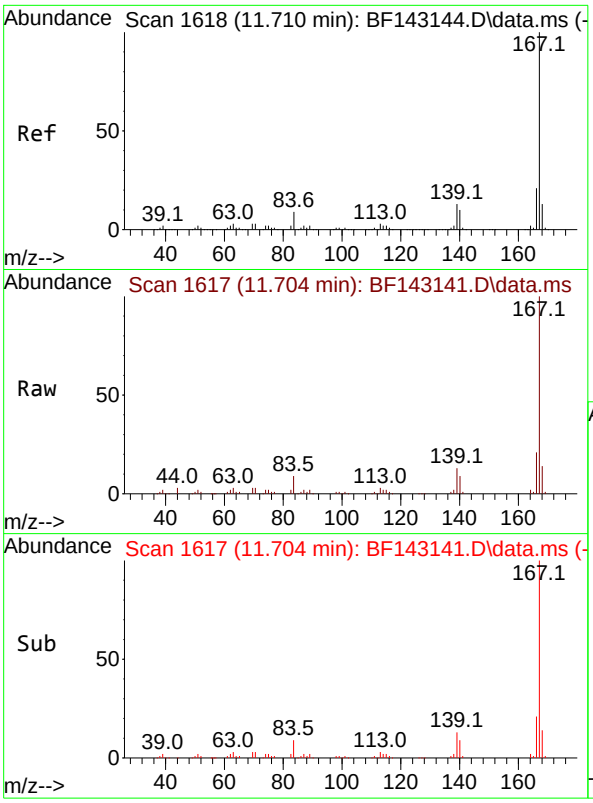


#72
Anthracene
Concen: 5.465 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:178 Resp: 127938

Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	15.4	12.5	18.7



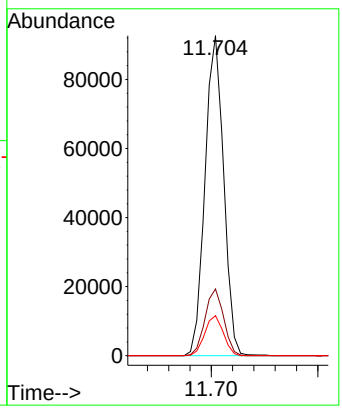


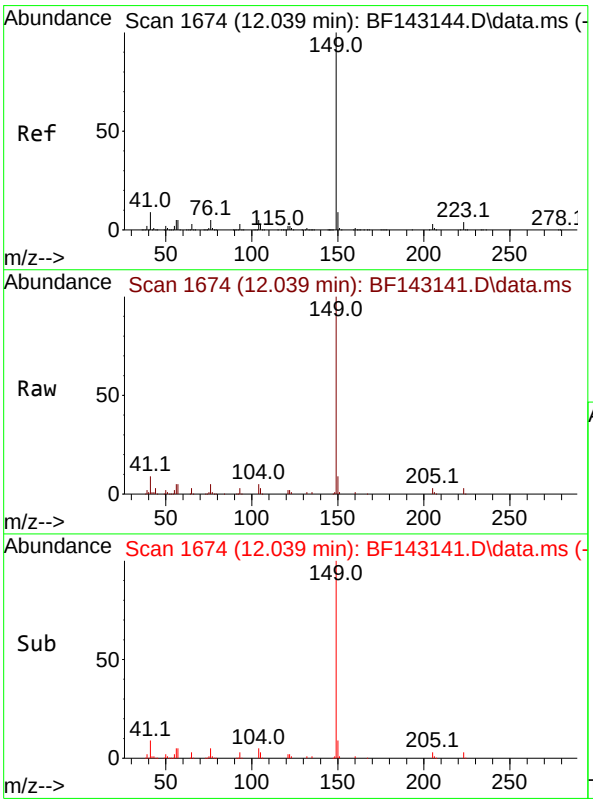
#73
Carbazole
Concen: 5.507 ng
RT: 11.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 112588

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	12.5	10.0	15.0

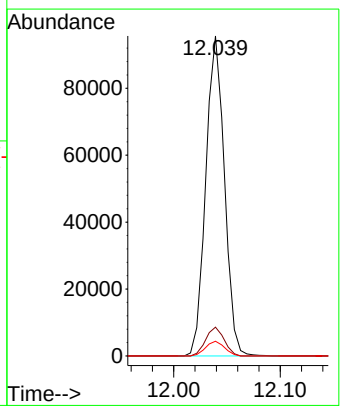


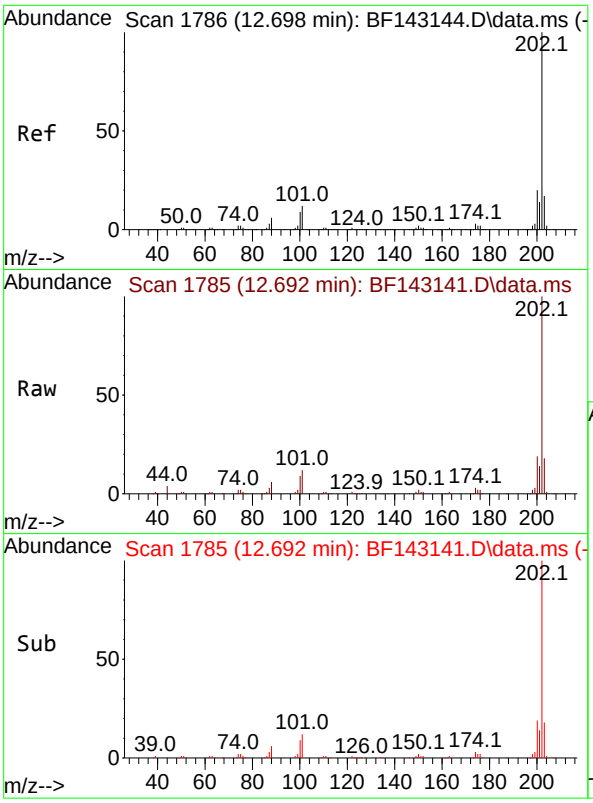


#74
Di-n-butylphthalate
Concen: 5.027 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 116291

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.6	3.8	5.8



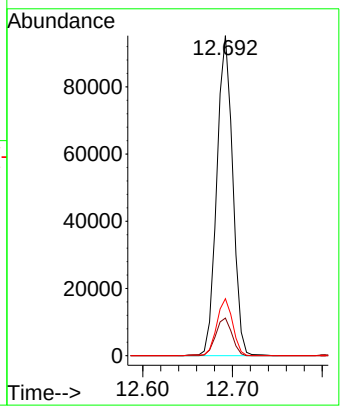


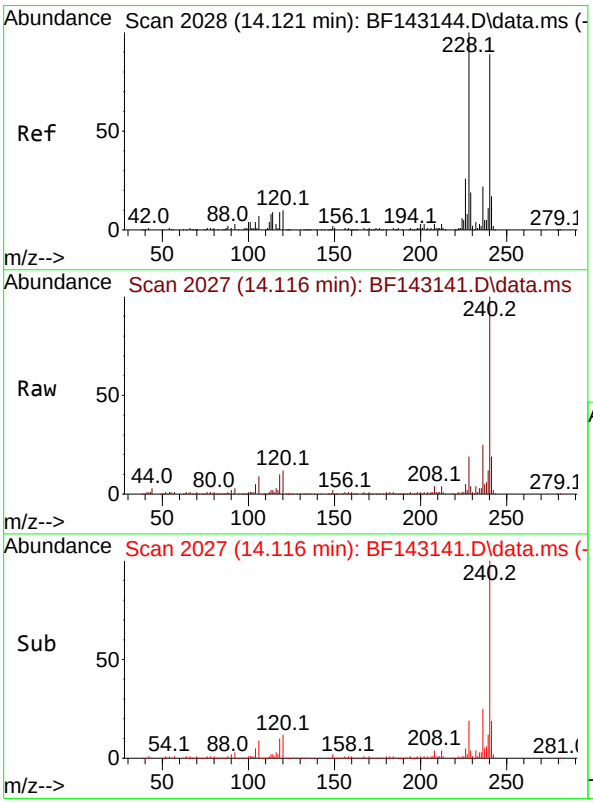
#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 117249

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.8	0.0	37.4

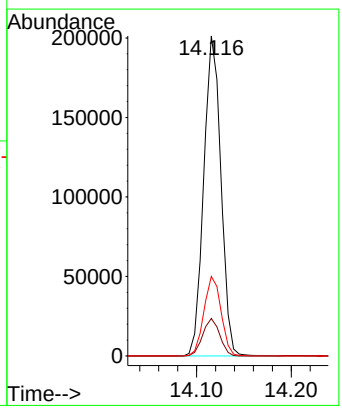


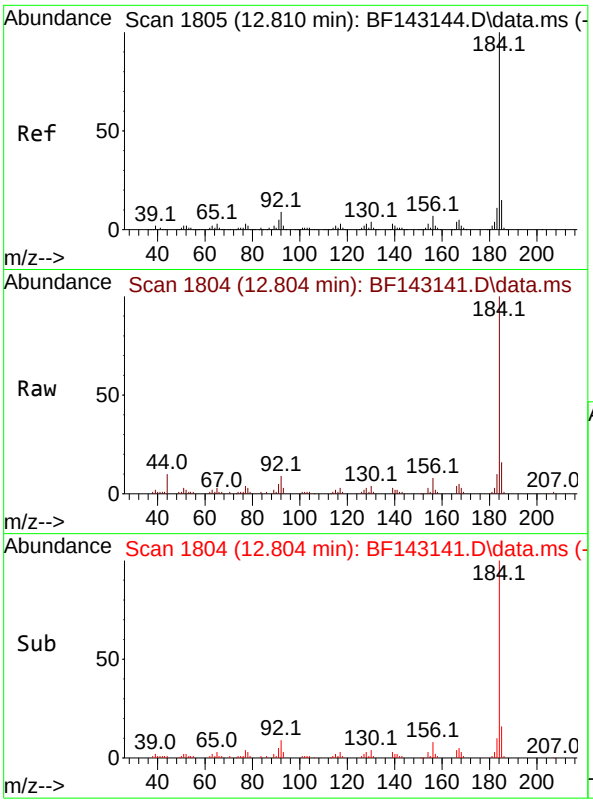


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:240 Resp: 253004

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.4	14.2
236	24.9	20.2	30.4



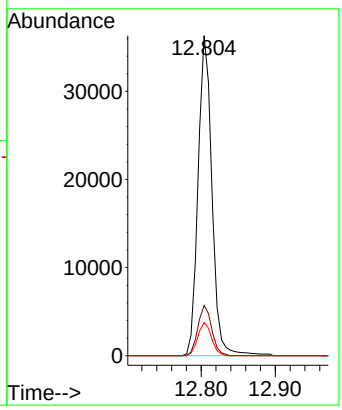


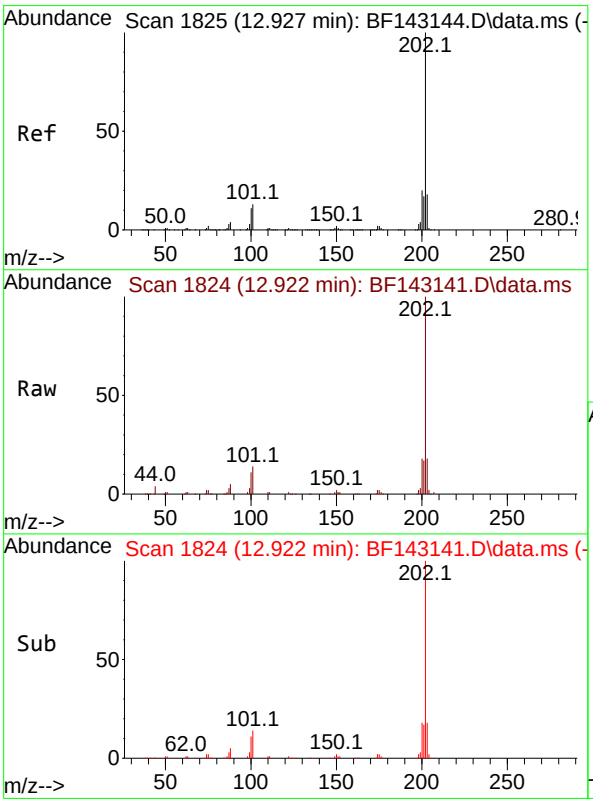
#77
Benzidine
Concen: 4.846 ng
RT: 12.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 47236

Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.2	18.4
183	10.4	9.0	13.4

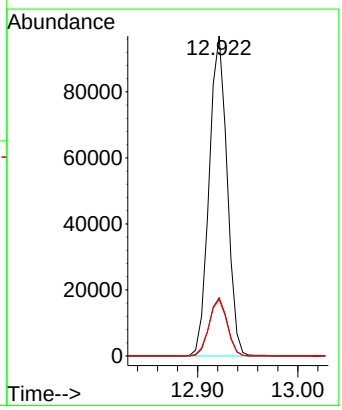


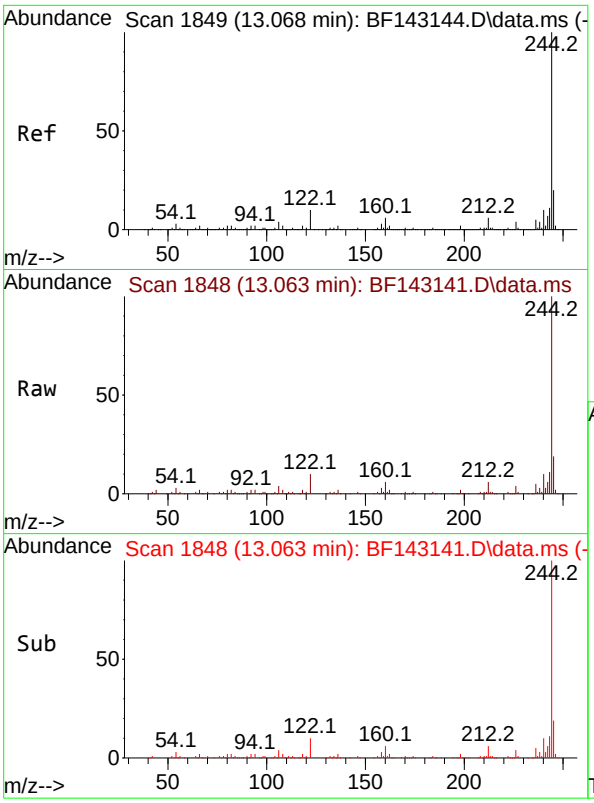


#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:202 Resp: 120767

Ion	Ratio	Lower	Upper
202	100		
200	18.2	15.7	23.5
203	17.6	14.2	21.2



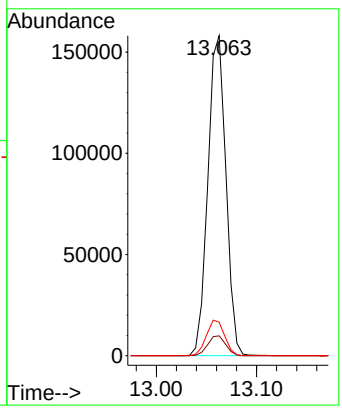


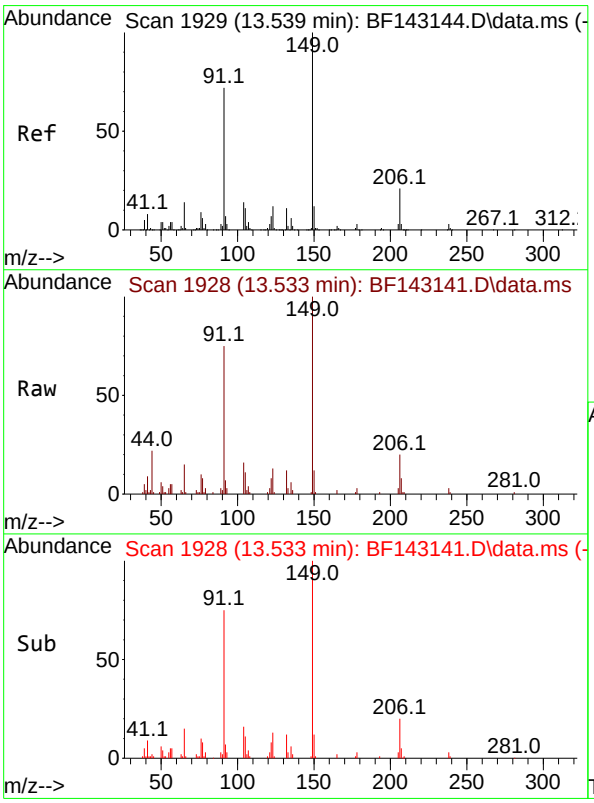
#79
Terphenyl-d14
Concen: 11.656 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 198167

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.2	7.8
122	10.5	8.2	12.2

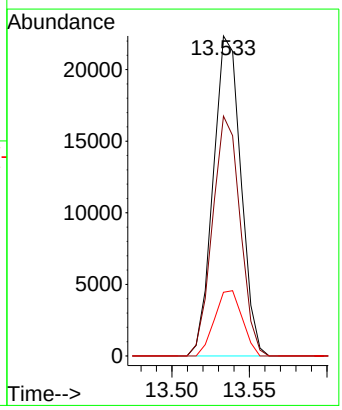


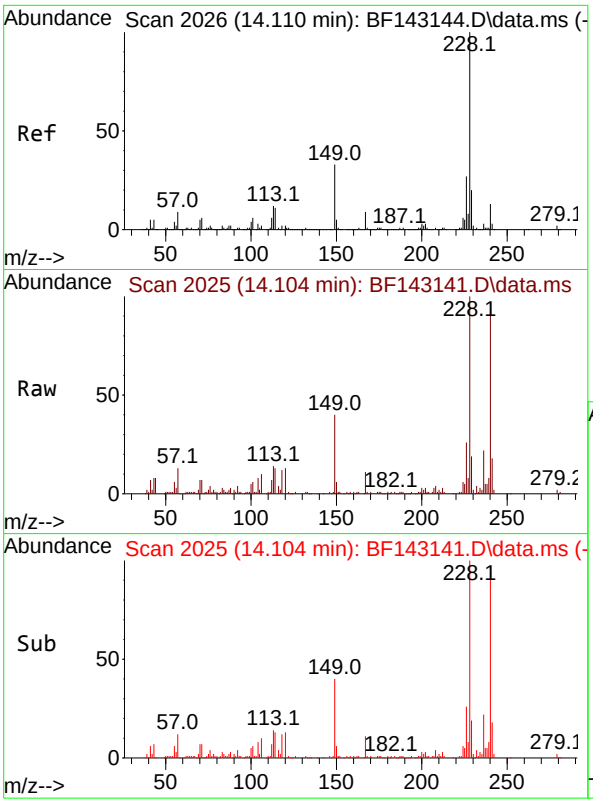


#80
Butylbenzylphthalate
Concen: 4.189 ng
RT: 13.533 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 27699

Ion	Ratio	Lower	Upper
149	100		
91	74.9	57.9	86.9
206	19.9	17.0	25.4



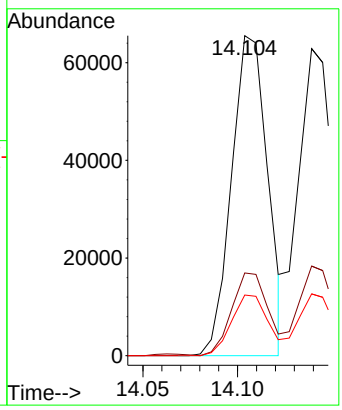


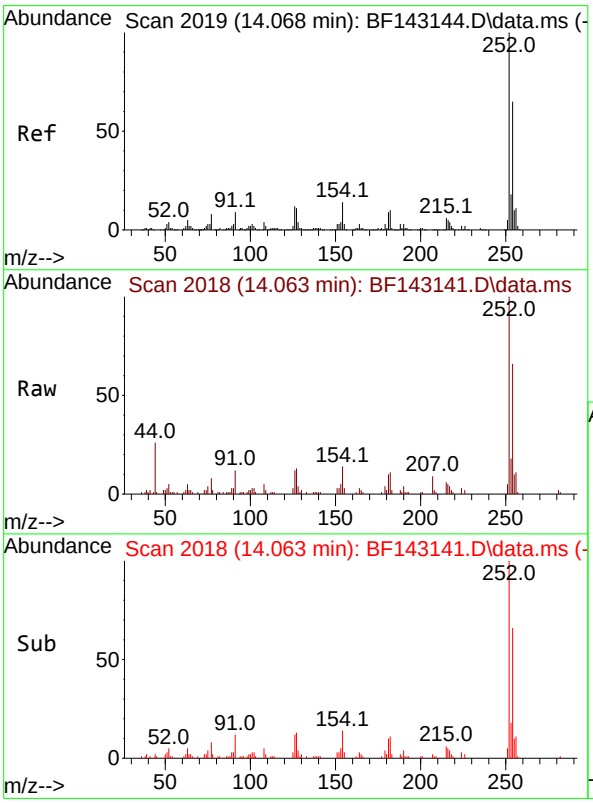
#81
Benzo(a)anthracene
Concen: 5.131 ng
RT: 14.104 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 86920

Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.7	32.5
229	19.0	15.8	23.6

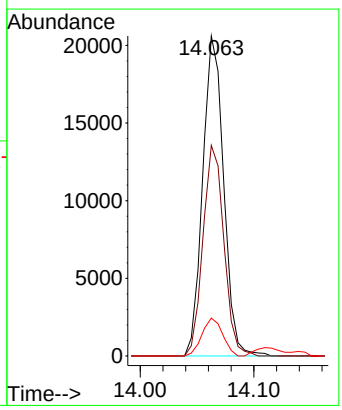


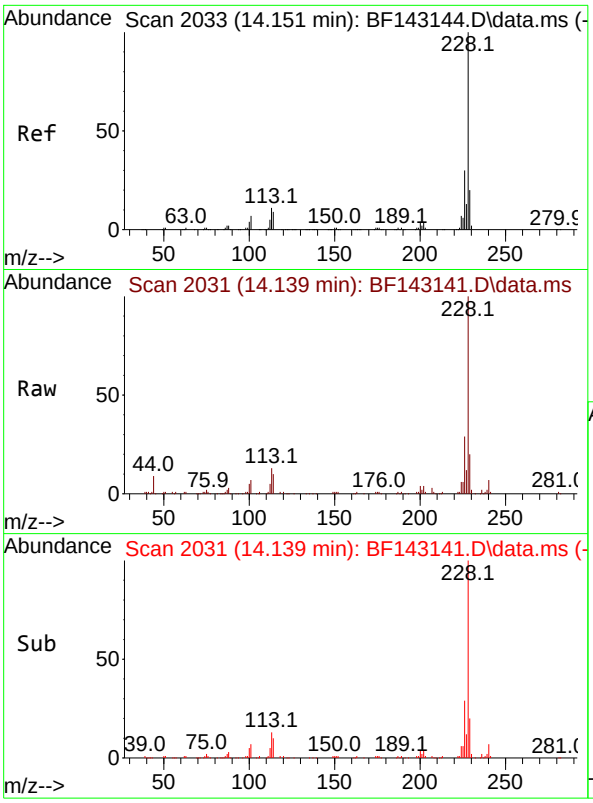


#82
3,3'-Dichlorobenzidine
Concen: 4.675 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 26392

Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.7	77.5
126	11.9	9.4	14.0



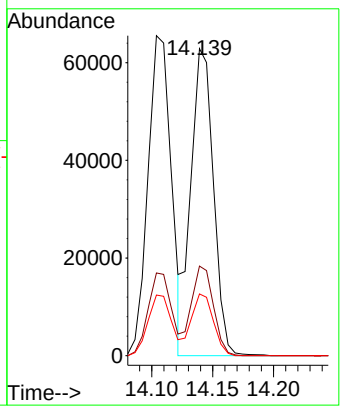


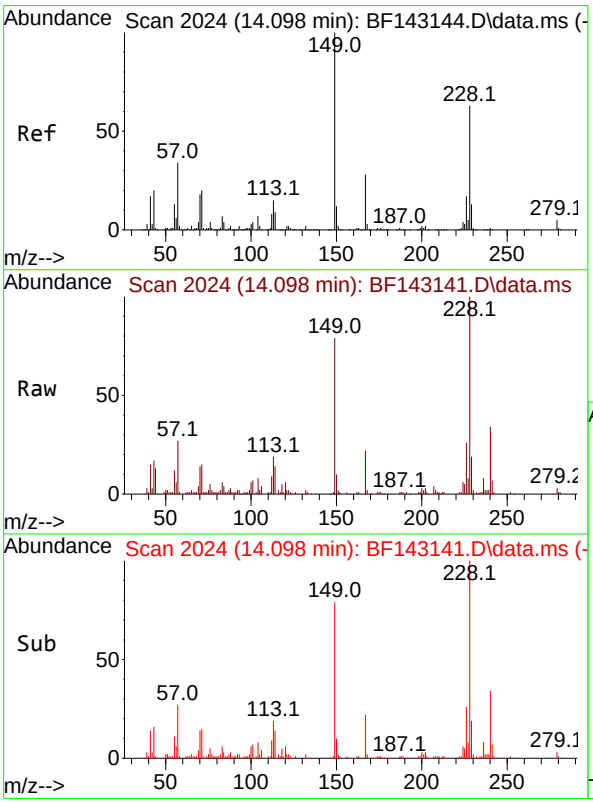
#83
Chrysene
Concen: 5.325 ng
RT: 14.139 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 81091

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.8	35.8
229	20.1	15.6	23.4

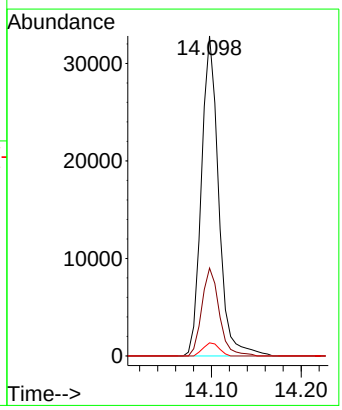


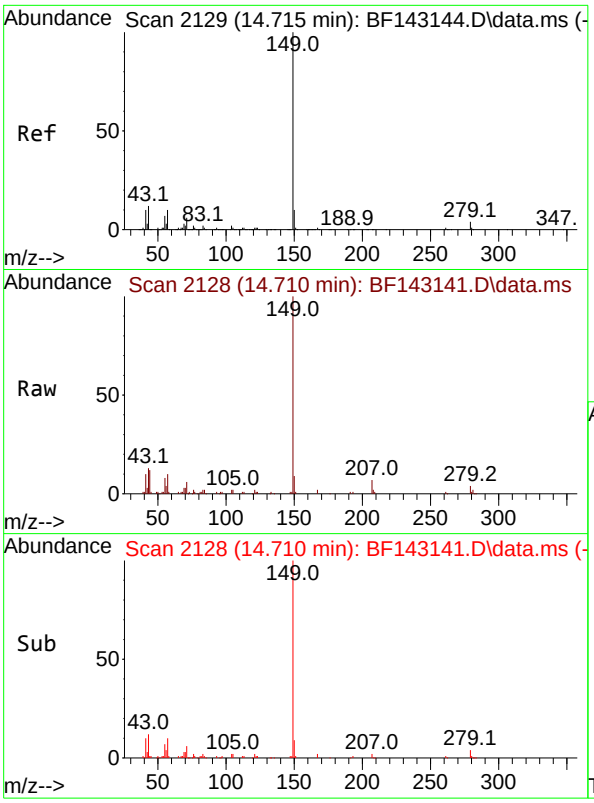


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.370 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:149 Resp: 43732

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.3	33.5
279	4.1	3.6	5.4



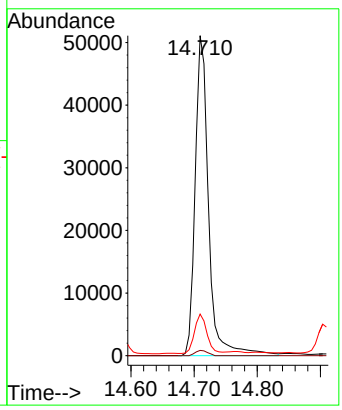


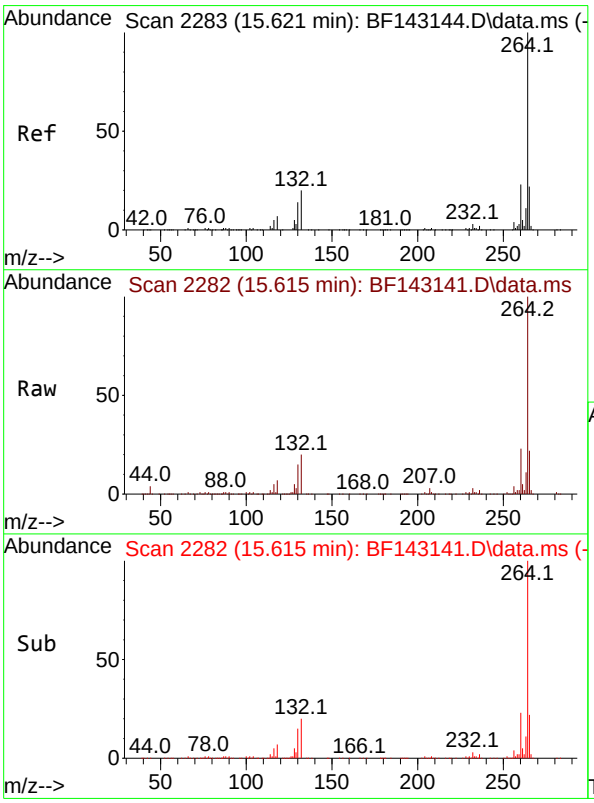
#85
Di-n-octyl phthalate
Concen: 4.147 ng
RT: 14.710 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 75225

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.7	14.5

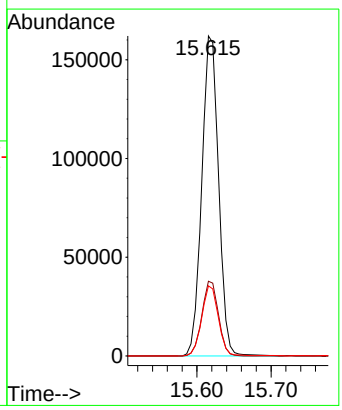


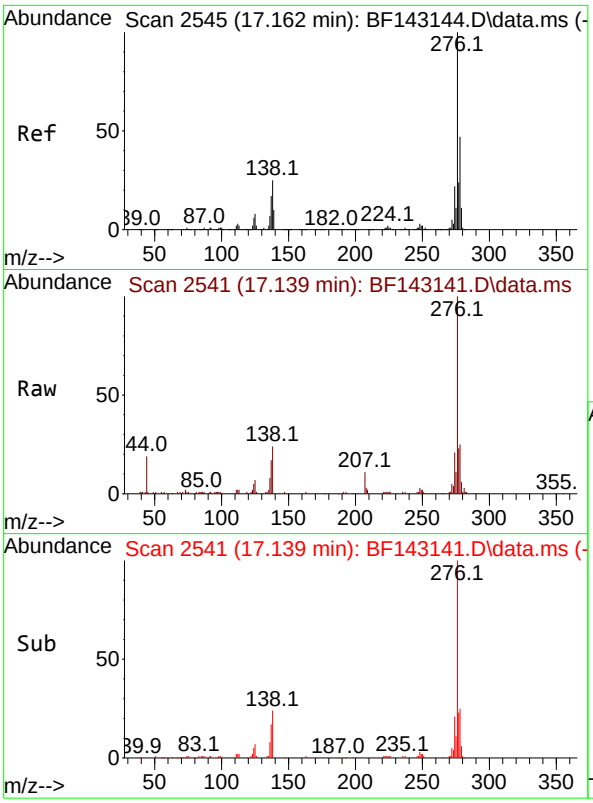


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:264 Resp: 255898

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	21.9	17.4	26.2



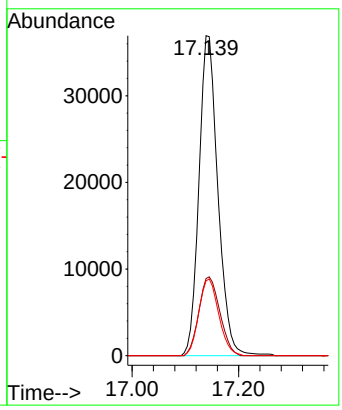


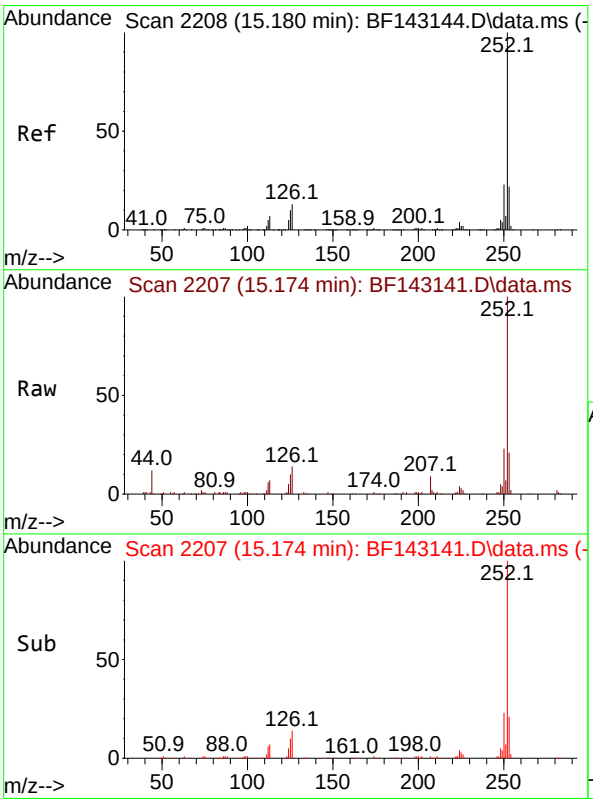
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.047 ng
RT: 17.139 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 91076

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	25.2	20.0	30.0

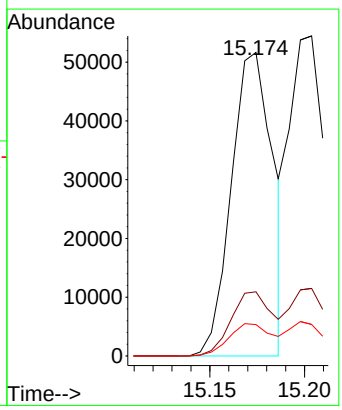


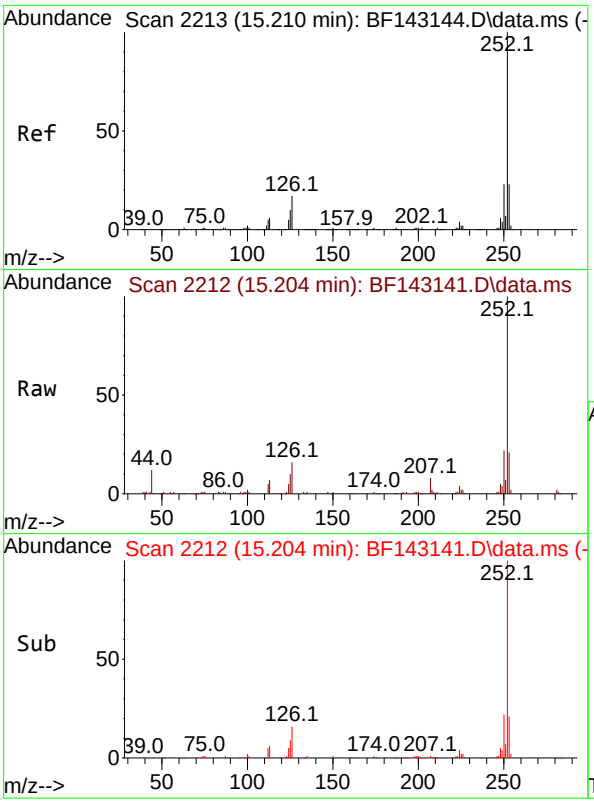


#88
Benzo(b)fluoranthene
Concen: 5.037 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 78749

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.5	26.3
125	10.3	8.0	12.0



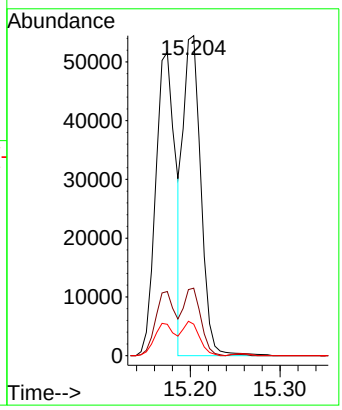


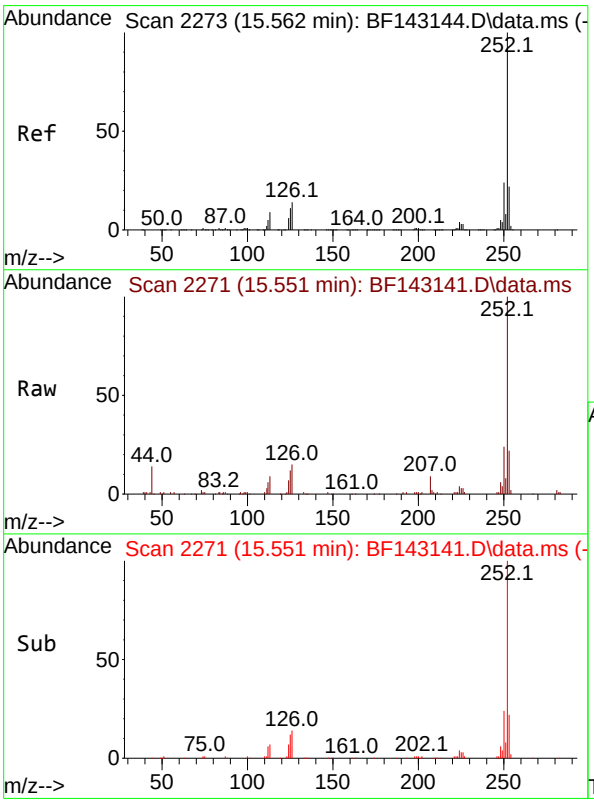
#89
Benzo(k)fluoranthene
Concen: 5.358 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 74738

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.6
125	9.9	8.1	12.1

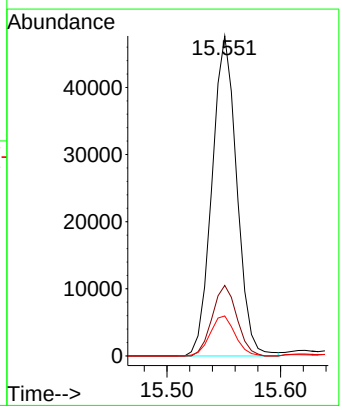


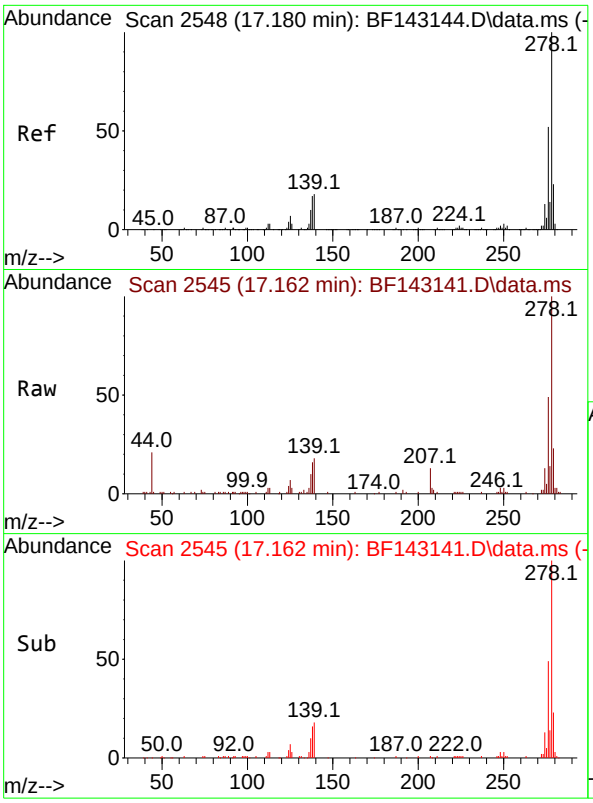


#90
Benzo(a)pyrene
Concen: 5.012 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:252 Resp: 72196

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	12.5	8.6	13.0



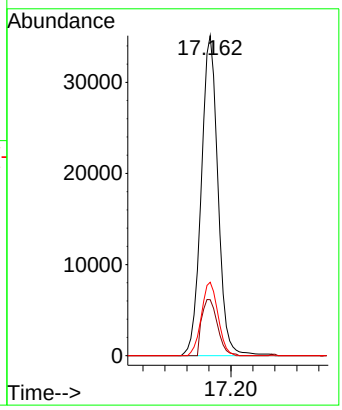


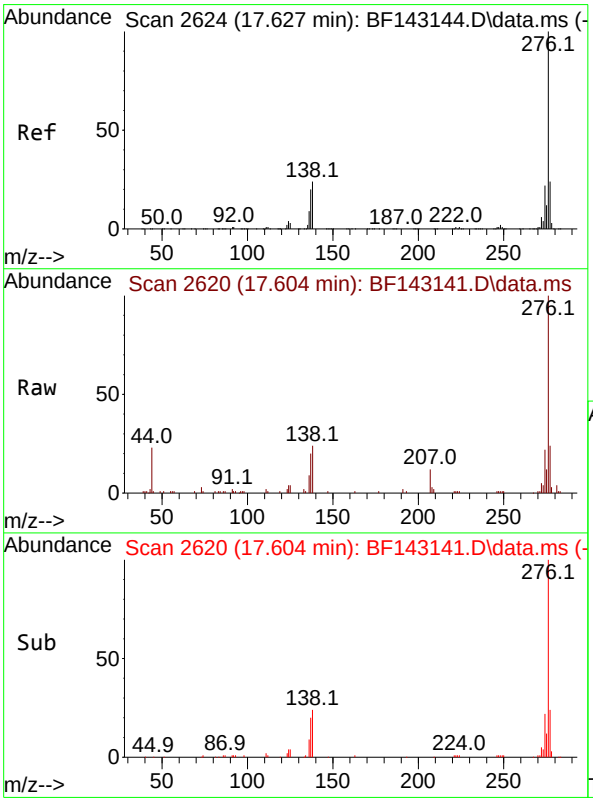
#91
Dibenzo(a,h)anthracene
Concen: 5.047 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 74120

Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.1	21.1
279	22.9	18.6	28.0

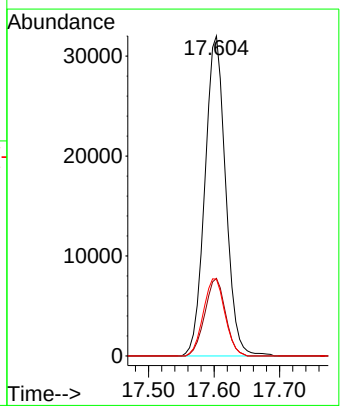




#92
Benzo(g,h,i)perylene
Concen: 4.955 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:276 Resp: 70403

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	24.0	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143142.D
Acq On : 17 Jul 2025 12:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	140410	20.000	ng		0.00
21) Naphthalene-d8	8.239	136	545730	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	282580	20.000	ng		0.00
64) Phenanthrene-d10	11.480	188	461255	20.000	ng		0.00
76) Chrysene-d12	14.116	240	254650	20.000	ng		0.00
86) Perylene-d12	15.621	264	273706	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	184363	20.778	ng		0.00
7) Phenol-d6	6.569	99	230206	20.613	ng		-0.02
23) Nitrobenzene-d5	7.510	82	223300	20.396	ng		-0.01
42) 2,4,6-Tribromophenol	10.780	330	56961	19.512	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	464669	22.489	ng		0.00
79) Terphenyl-d14	13.063	244	370808	21.669	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	40860	9.732	ng		98
3) Pyridine	3.587	79	109317	10.032	ng		100
4) n-Nitrosodimethylamine	3.510	42	54487	9.684	ng		98
6) Aniline	6.616	93	158580	10.188	ng		99
8) 2-Chlorophenol	6.740	128	94265	10.135	ng		98
9) Benzaldehyde	6.510	77	81897	9.779	ng		100
10) Phenol	6.587	94	126291	10.380	ng		96
11) bis(2-Chloroethyl)ether	6.687	93	94260	10.119	ng		99
12) 1,3-Dichlorobenzene	6.904	146	106226	10.514	ng		97
13) 1,4-Dichlorobenzene	6.981	146	106581	10.475	ng		99
14) 1,2-Dichlorobenzene	7.134	146	99226	10.253	ng		99
15) Benzyl Alcohol	7.087	79	85240	9.996	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.234	45	179226	10.371	ng		99
17) 2-Methylphenol	7.198	107	78001	9.974	ng		99
18) Hexachloroethane	7.481	117	34985	9.932	ng		99
19) n-Nitroso-di-n-propyla...	7.357	70	73815	10.302	ng		97
20) 3+4-Methylphenols	7.345	107	103018	10.858	ng		91
22) Acetophenone	7.357	105	137532	10.645	ng	#	98
24) Nitrobenzene	7.534	77	100837	9.879	ng		98
25) Isophorone	7.769	82	192895	9.981	ng		100
26) 2-Nitrophenol	7.851	139	38451	8.680	ng		96
27) 2,4-Dimethylphenol	7.881	122	92724	10.269	ng		98
28) bis(2-Chloroethoxy)met...	7.981	93	119320	10.297	ng		98
29) 2,4-Dichlorophenol	8.087	162	76847	10.091	ng		98
30) 1,2,4-Trichlorobenzene	8.181	180	83842	10.191	ng		100
31) Naphthalene	8.263	128	283107	10.534	ng		99
32) Benzoic acid	7.928	122	25309	9.564	ng		98
33) 4-Chloroaniline	8.304	127	113797	10.369	ng		100
34) Hexachlorobutadiene	8.386	225	51715	10.290	ng		99
35) Caprolactam	8.634	113	21157	9.194	ng		95
36) 4-Chloro-3-methylphenol	8.775	107	84647	10.227	ng		98
37) 2-Methylnaphthalene	8.951	142	172865	10.570	ng		100
38) 1-Methylnaphthalene	9.051	142	177917	10.564	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	84494	10.357	ng		99
41) Hexachlorocyclopentadiene	9.116	237	47577	8.963	ng		99
43) 2,4,6-Trichlorophenol	9.228	196	57396	10.165	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143142.D
Acq On : 17 Jul 2025 12:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.257	196	54716	9.688	ng		97
46) 1,1'-Biphenyl	9.416	154	235467	10.680	ng		100
47) 2-Chloronaphthalene	9.439	162	172831	10.595	ng		98
48) 2-Nitroaniline	9.528	65	47055	9.198	ng		99
49) Acenaphthylene	9.857	152	289989	10.607	ng		98
50) Dimethylphthalate	9.704	163	189399	10.283	ng		99
51) 2,6-Dinitrotoluene	9.763	165	35364	9.438	ng		93
52) Acenaphthene	10.028	154	168698	10.440	ng		99
53) 3-Nitroaniline	9.933	138	42367	9.667	ng		97
54) 2,4-Dinitrophenol	10.033	184	7147	10.522	ng	#	1
55) Dibenzofuran	10.198	168	255272	10.641	ng		99
56) 4-Nitrophenol	10.075	139	28233	8.627	ng		98
57) 2,4-Dinitrotoluene	10.169	165	41815	8.895	ng		98
58) Fluorene	10.545	166	198041	10.999	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.316	232	46720	9.986	ng		99
60) Diethylphthalate	10.410	149	186802	10.261	ng		99
61) 4-Chlorophenyl-phenyle...	10.533	204	94685	10.561	ng		97
62) 4-Nitroaniline	10.539	138	35962	9.574	ng		98
63) Azobenzene	10.692	77	197998	10.435	ng		99
65) 4,6-Dinitro-2-methylph...	10.575	198	12541	10.014	ng		94
66) n-Nitrosodiphenylamine	10.645	169	167901	10.337	ng		100
67) 4-Bromophenyl-phenylether	11.022	248	54849	9.978	ng		97
68) Hexachlorobenzene	11.092	284	57305	9.974	ng		97
69) Atrazine	11.169	200	43045	9.613	ng		98
70) Pentachlorophenol	11.280	266	27529	8.148	ng		99
71) Phenanthrene	11.504	178	253750	10.361	ng		99
72) Anthracene	11.557	178	261960	10.487	ng		99
73) Carbazole	11.704	167	223376	10.241	ng		100
74) Di-n-butylphthalate	12.039	149	243142	9.852	ng		100
75) Fluoranthene	12.692	202	227701	10.129	ng		99
77) Benzidine	12.804	184	96484	9.834	ng		99
78) Pyrene	12.922	202	227008	10.445	ng		100
80) Butylbenzylphthalate	13.539	149	60055	9.024	ng		98
81) Benzo(a)anthracene	14.110	228	174020	10.207	ng		99
82) 3,3'-Dichlorobenzidine	14.063	252	55694	9.802	ng		97
83) Chrysene	14.145	228	149446	9.750	ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	96191	9.549	ng		97
85) Di-n-octyl phthalate	14.710	149	162156	8.881	ng		99
87) Indeno(1,2,3-cd)pyrene	17.145	276	182869	9.475	ng		99
88) Benzo(b)fluoranthene	15.174	252	155430	9.296	ng		99
89) Benzo(k)fluoranthene	15.204	252	157663	10.567	ng		100
90) Benzo(a)pyrene	15.551	252	150853	9.792	ng		99
91) Dibenzo(a,h)anthracene	17.162	278	150977	9.611	ng		100
92) Benzo(g,h,i)perylene	17.609	276	143342	9.433	ng		99

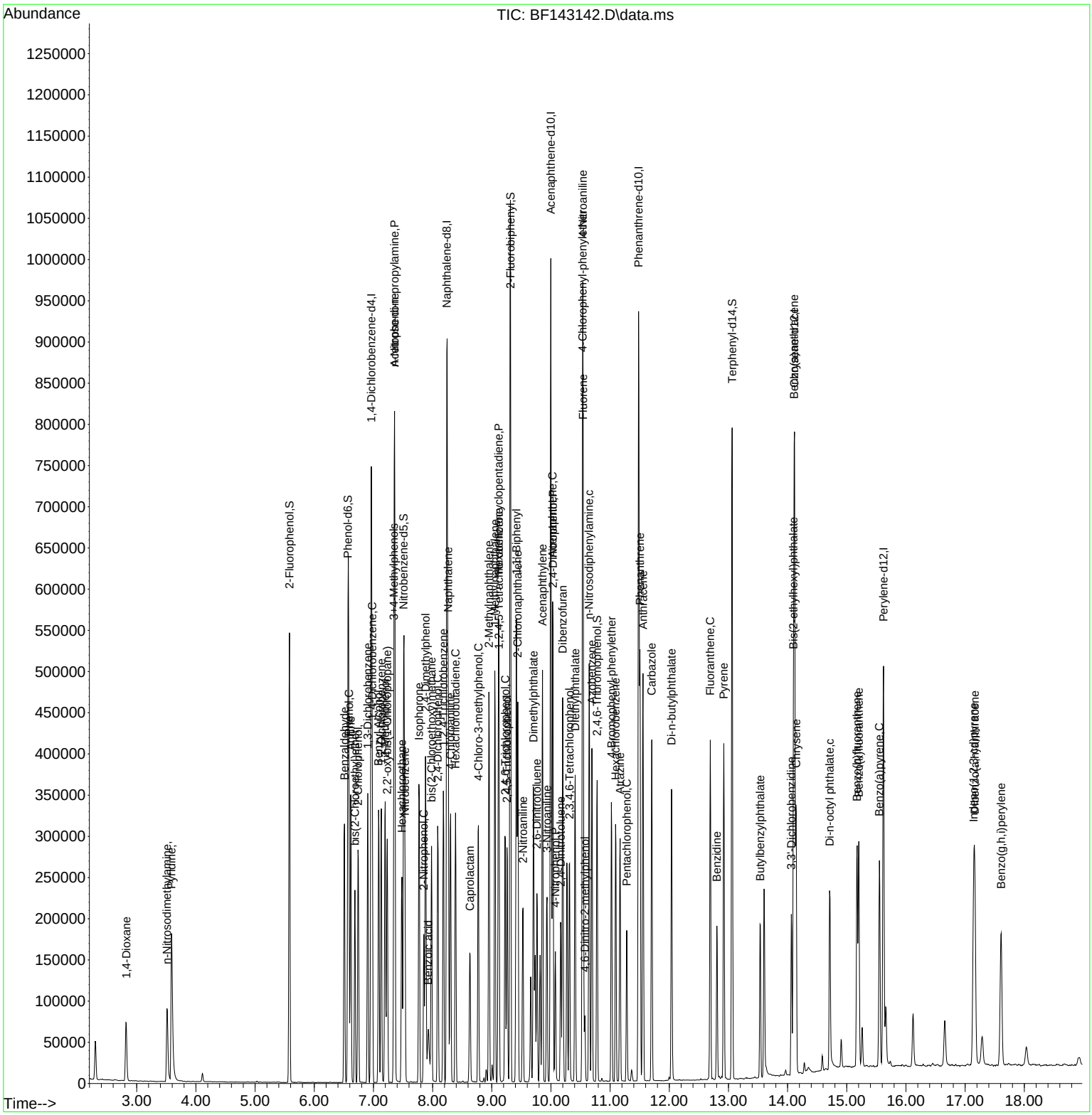
(#) = qualifier out of range (m) = manual integration (+) = signals summed

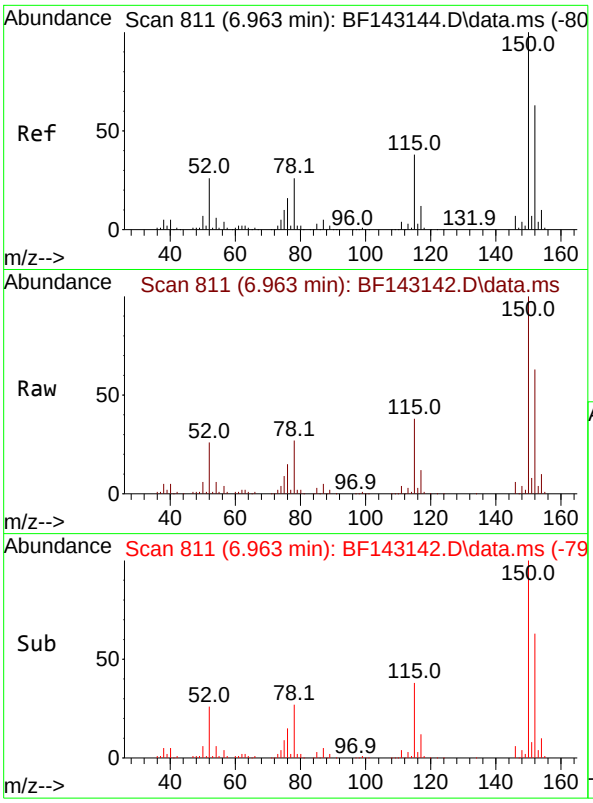
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143142.D
Acq On : 17 Jul 2025 12:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



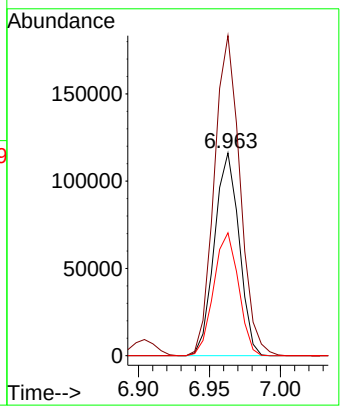


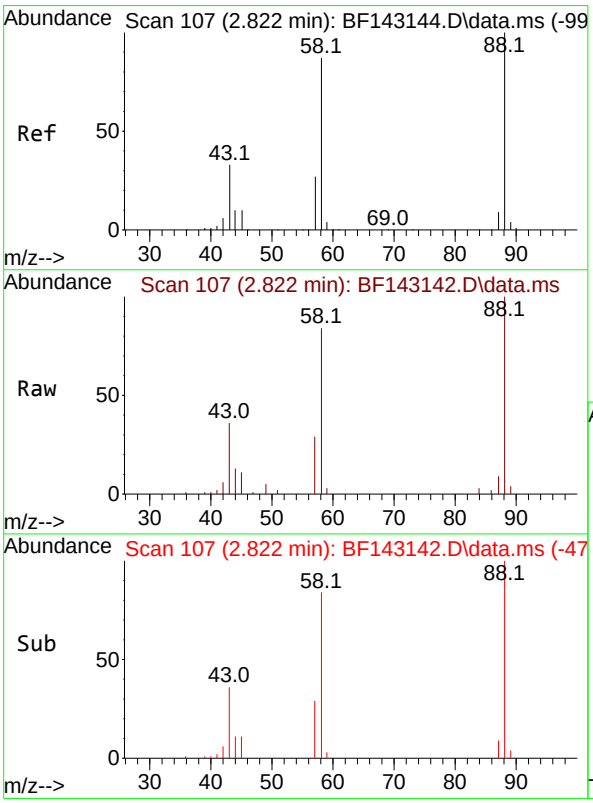
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 140410

Ion	Ratio	Lower	Upper
152	100		
150	157.8	128.2	192.4
115	60.6	47.9	71.9

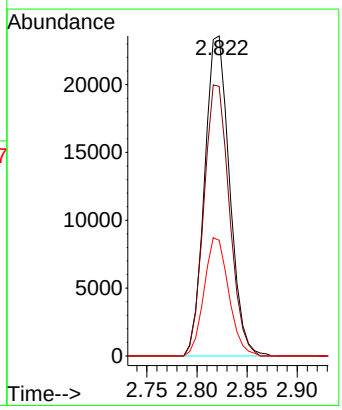


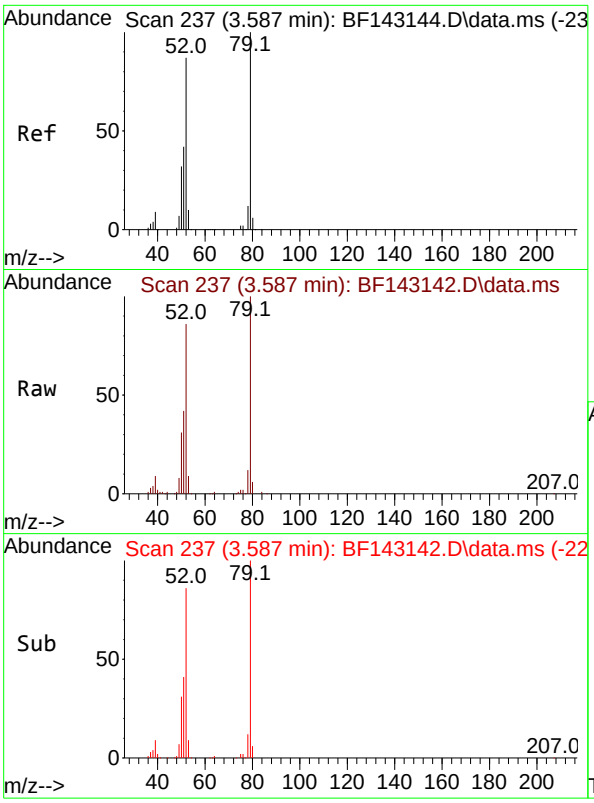


#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 88 Resp: 40860

Ion	Ratio	Lower	Upper
88	100		
58	86.6	70.2	105.2
43	36.5	27.1	40.7



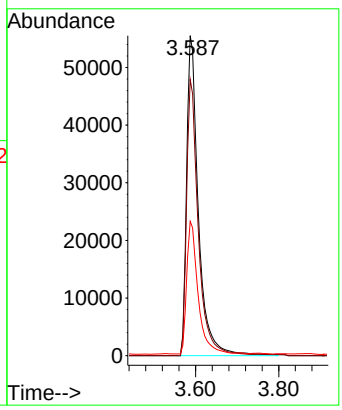


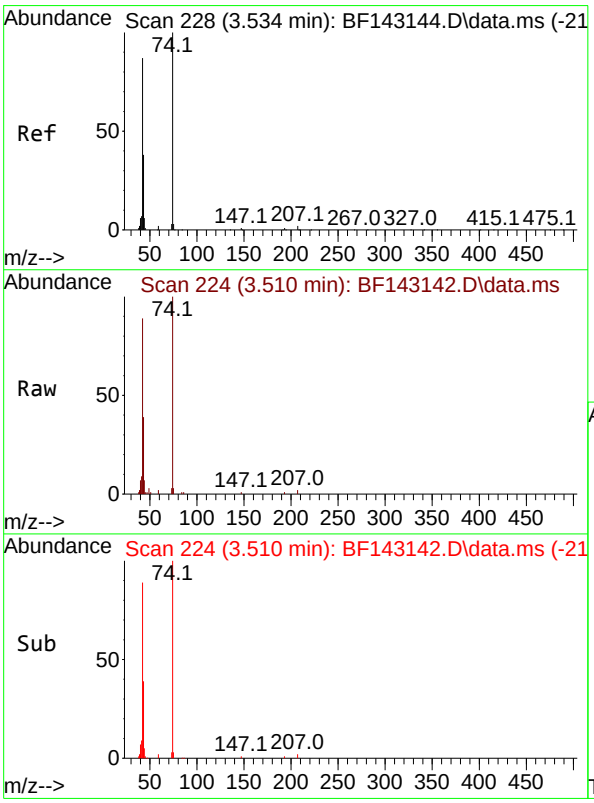
#3
Pyridine
Concen: 10.032 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 109317

Ion	Ratio	Lower	Upper
79	100		
52	86.3	69.4	104.2
51	42.0	33.5	50.3

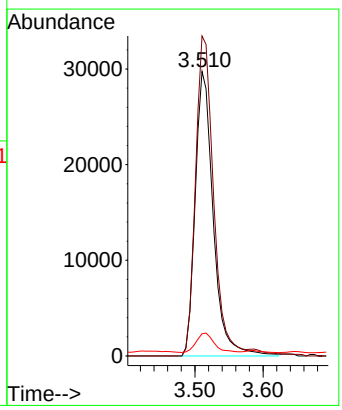


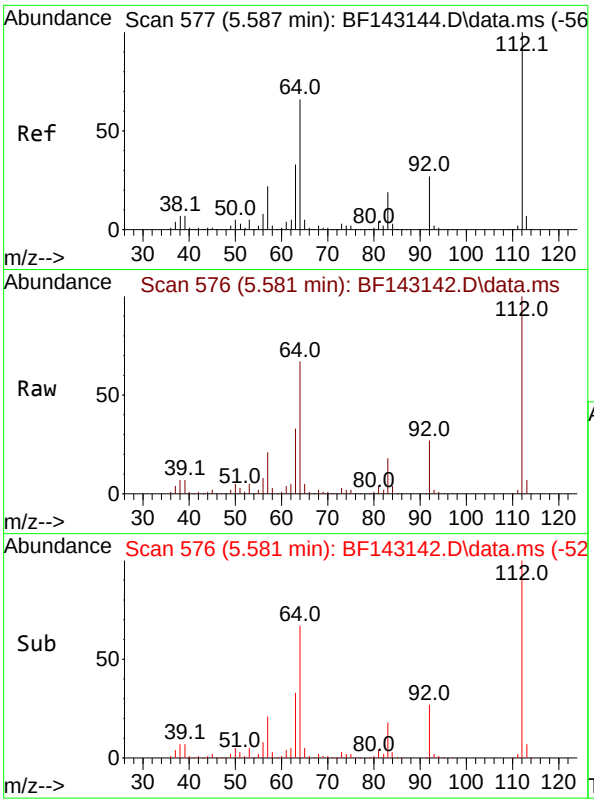


#4
n-Nitrosodimethylamine
Concen: 9.684 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 42 Resp: 54487

Ion	Ratio	Lower	Upper
42	100		
74	112.5	91.7	137.5
44	7.8	5.6	8.4



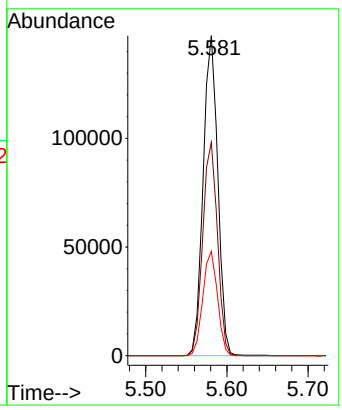


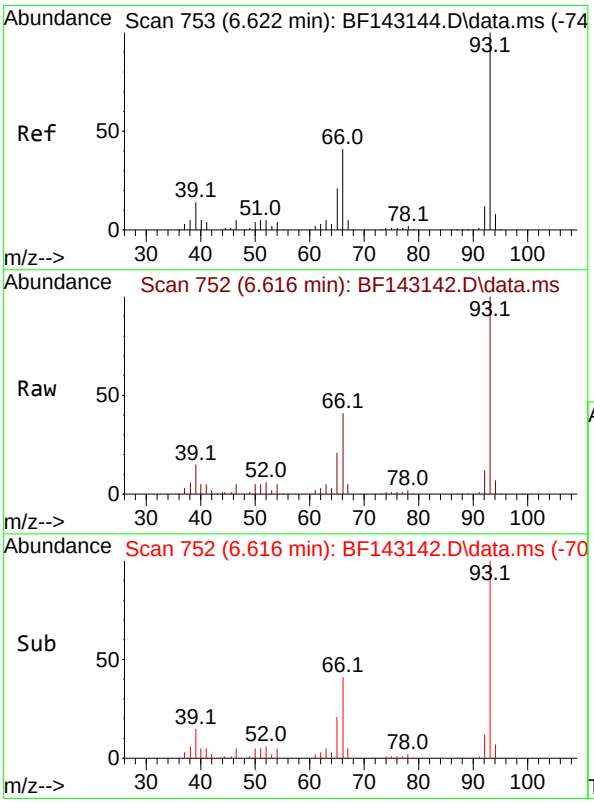
#5
2-Fluorophenol
Concen: 20.778 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 184363

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	32.6	26.6	40.0

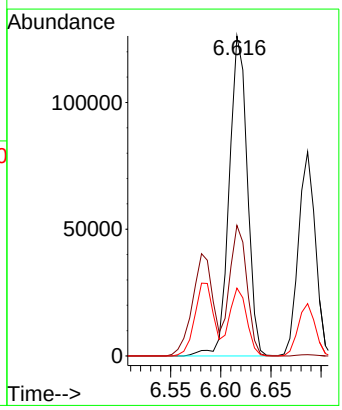


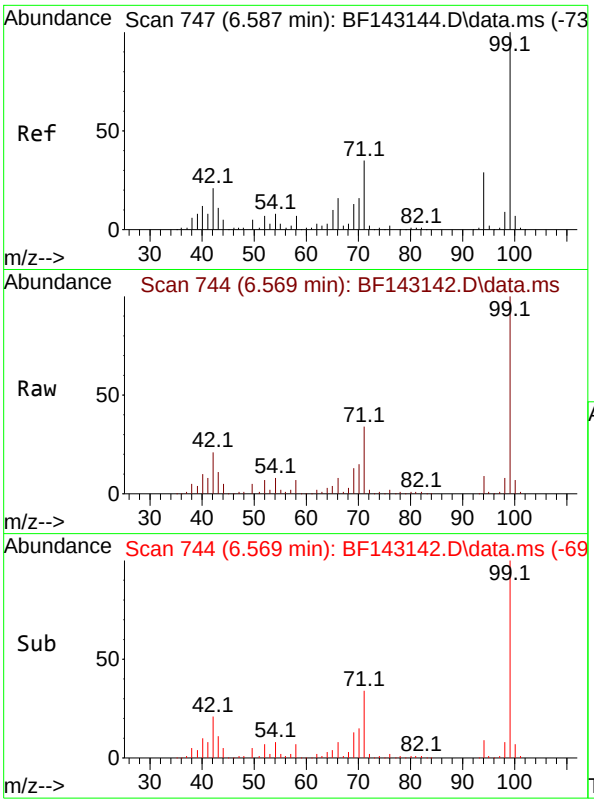


#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 158580

Ion	Ratio	Lower	Upper
93	100		
66	40.8	33.2	49.8
65	21.2	16.9	25.3



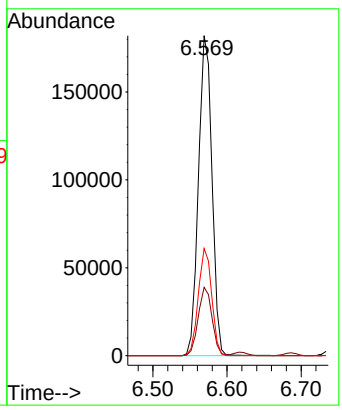


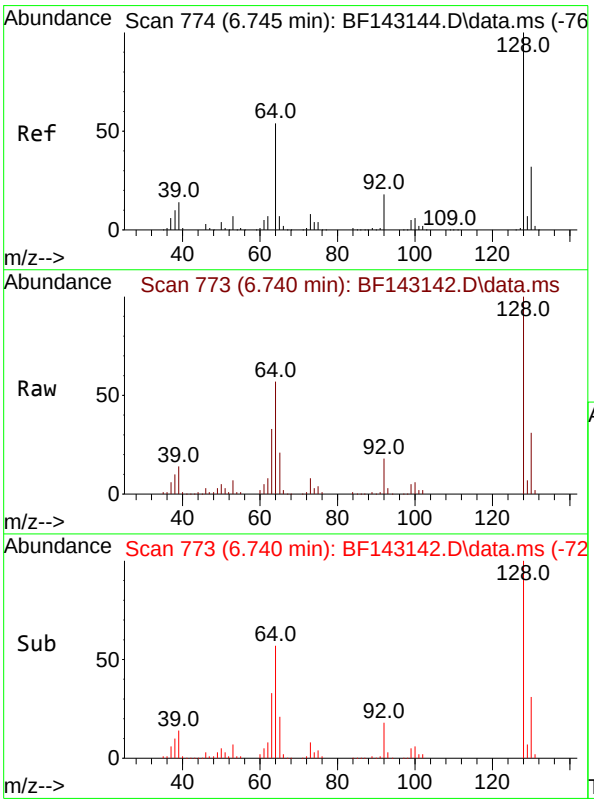
#7
Phenol-d6
Concen: 20.613 ng
RT: 6.569 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 230206

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	33.5	27.7	41.5

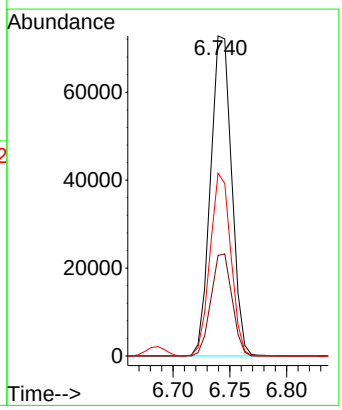


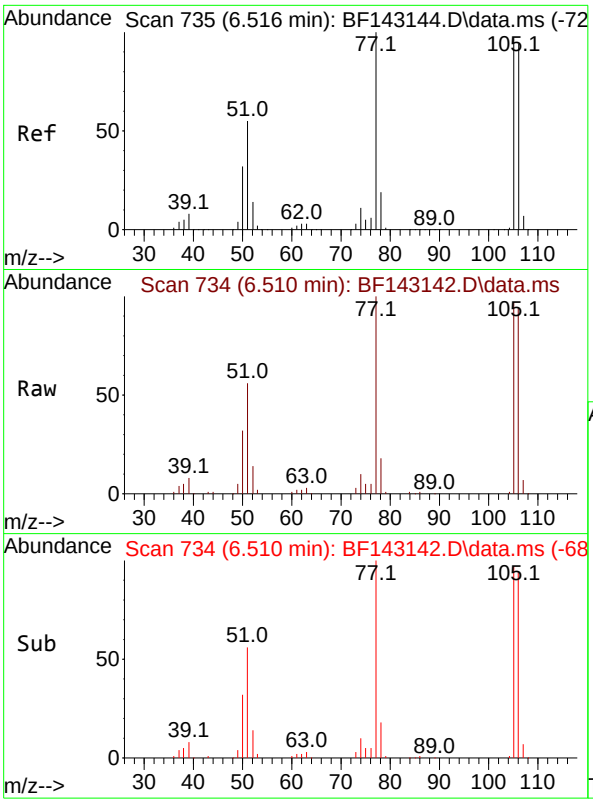


#8
2-Chlorophenol
Concen: 10.135 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:128 Resp: 94265

Ion	Ratio	Lower	Upper
128	100		
130	31.4	12.3	52.3
64	57.1	35.9	75.9



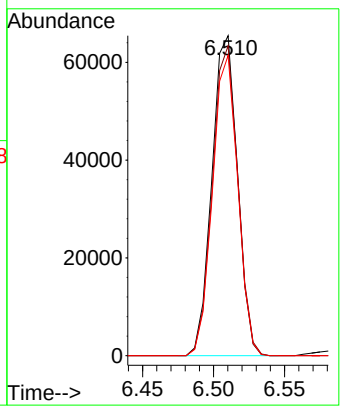


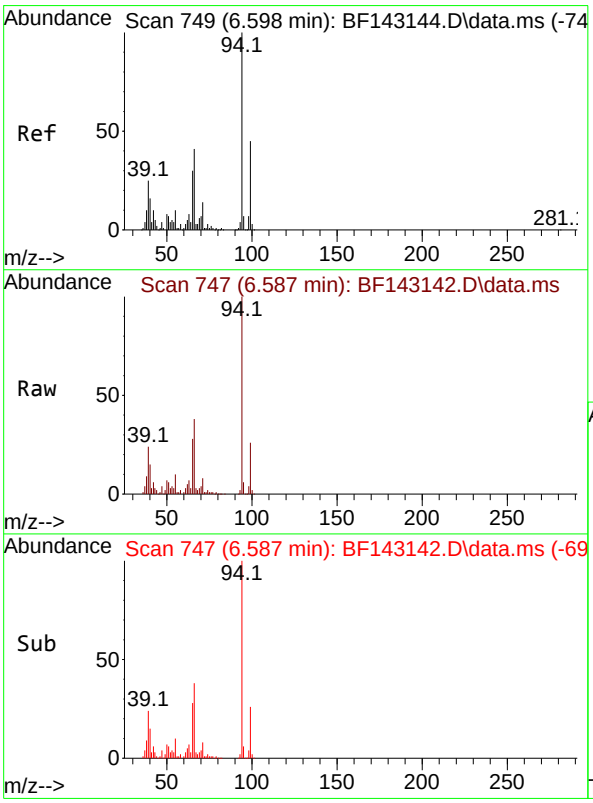
#9
Benzaldehyde
Concen: 9.779 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 81897

Ion	Ratio	Lower	Upper
77	100		
105	96.9	76.8	116.8
106	93.9	74.4	114.4

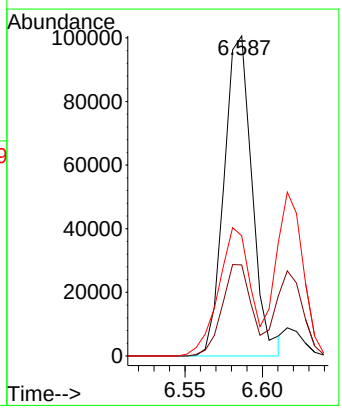


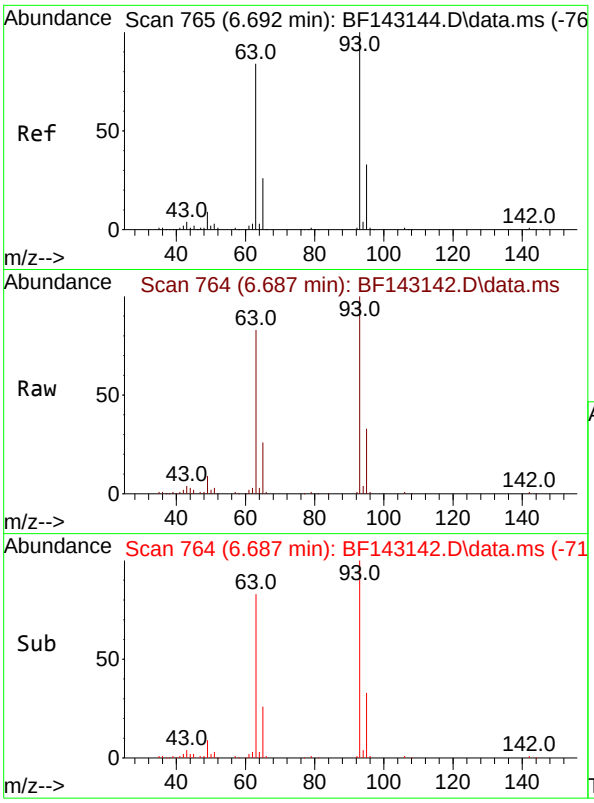


#10
Phenol
Concen: 10.380 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 94 Resp: 126291

Ion	Ratio	Lower	Upper
94	100		
65	28.4	10.0	50.0
66	37.5	20.8	60.8



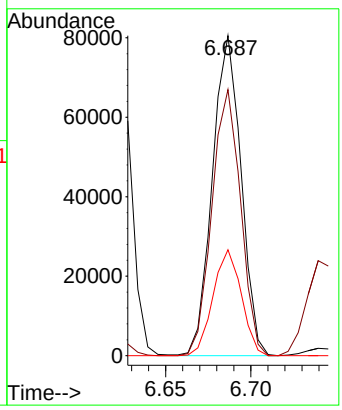


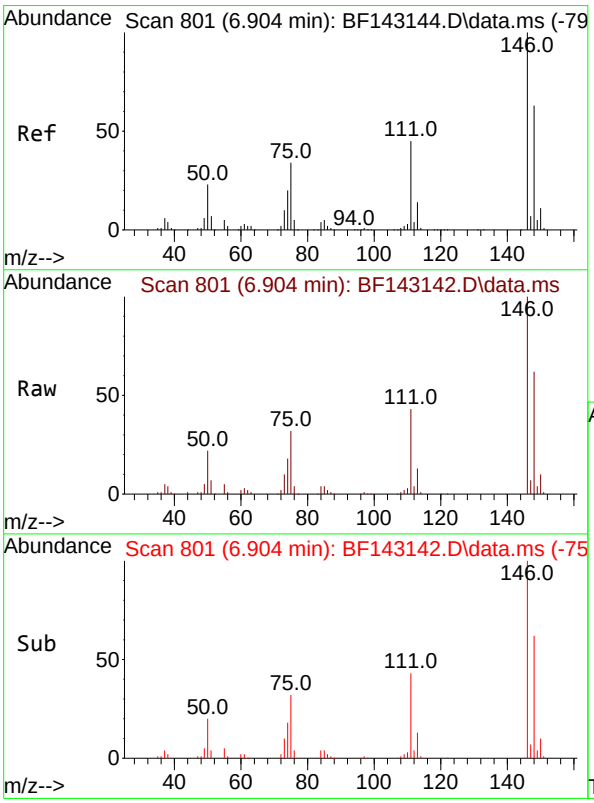
#11
bis(2-Chloroethyl)ether
Concen: 10.119 ng
RT: 6.687 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 94260

Ion	Ratio	Lower	Upper
93	100		
63	83.2	63.4	103.4
95	33.1	12.4	52.4

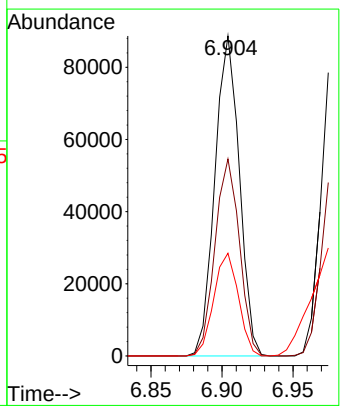


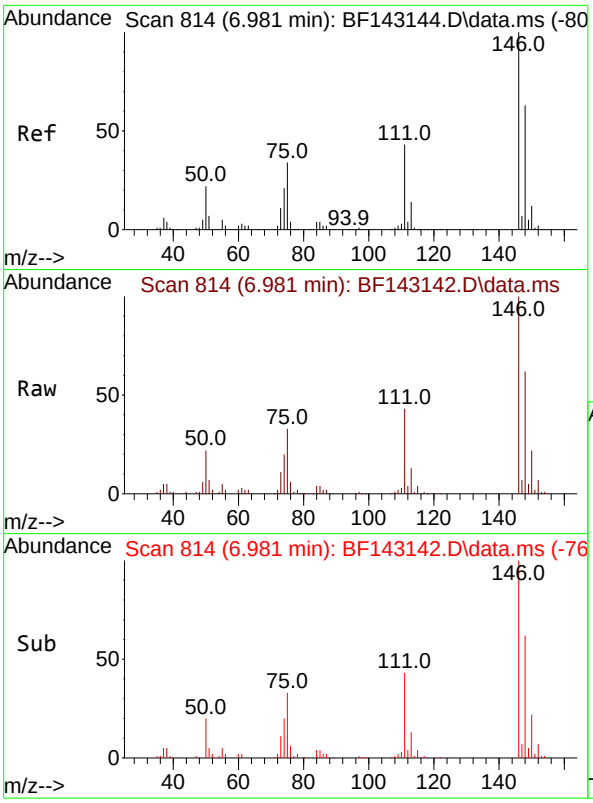


#12
1,3-Dichlorobenzene
Concen: 10.514 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 106226

Ion	Ratio	Lower	Upper
146	100		
148	61.6	50.6	76.0
75	32.1	27.4	41.2



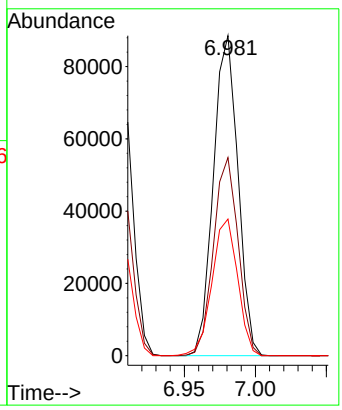


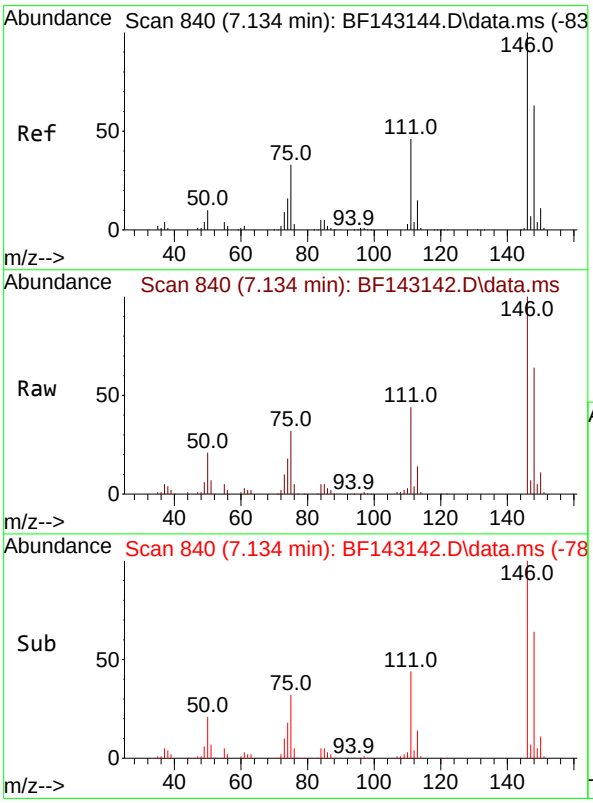
#13
1,4-Dichlorobenzene
Concen: 10.475 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 106581

Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.3	75.5
111	42.7	34.4	51.6

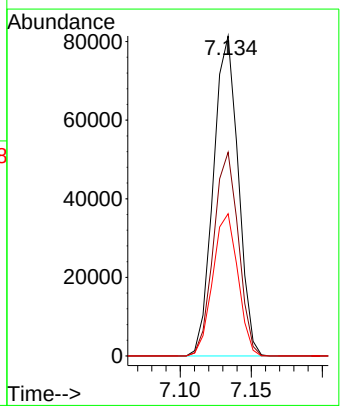


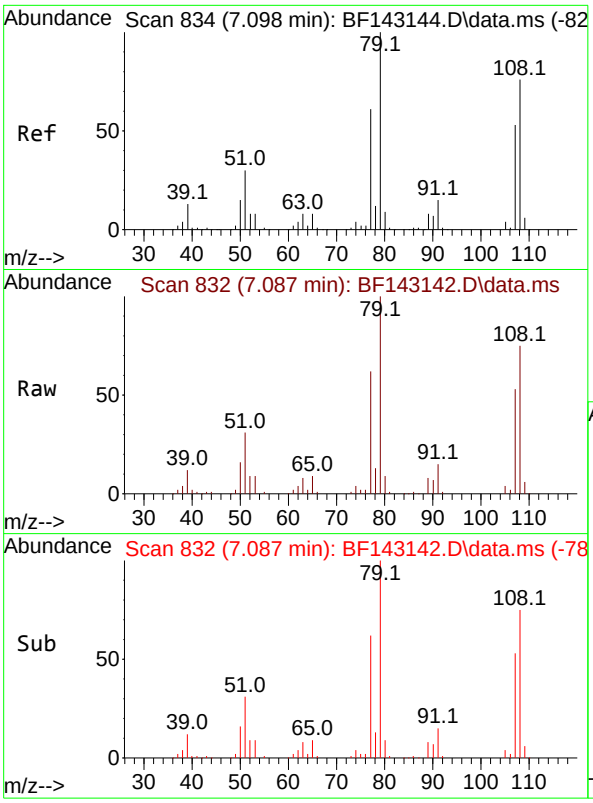


#14
1,2-Dichlorobenzene
Concen: 10.253 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:146 Resp: 99226

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.7	76.1
111	44.5	36.6	54.8



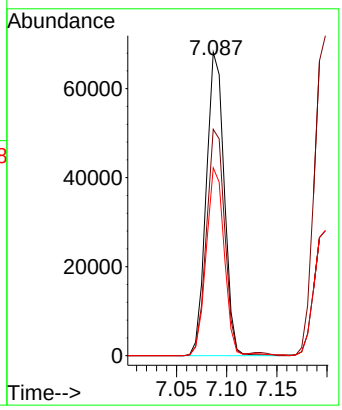


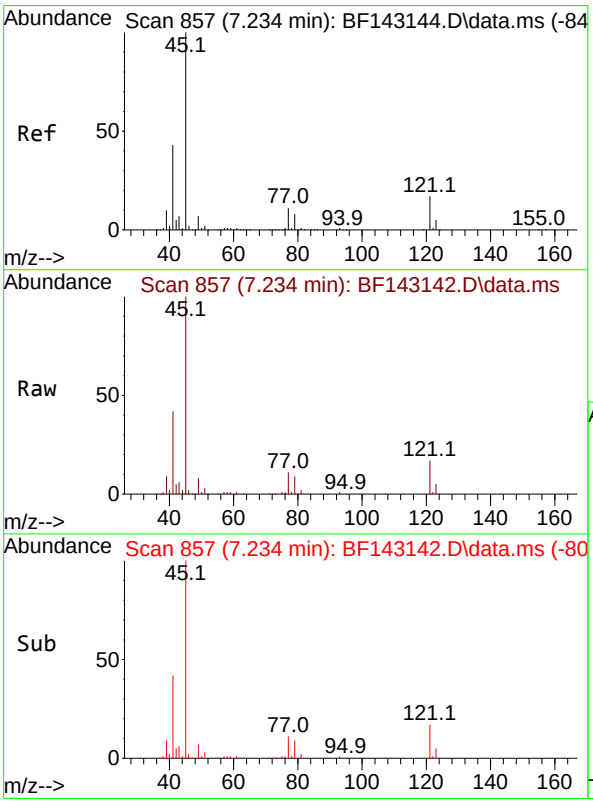
#15
Benzyl Alcohol
Concen: 9.996 ng
RT: 7.087 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 85240

Ion	Ratio	Lower	Upper
79	100		
108	74.6	61.1	91.7
77	61.9	48.9	73.3

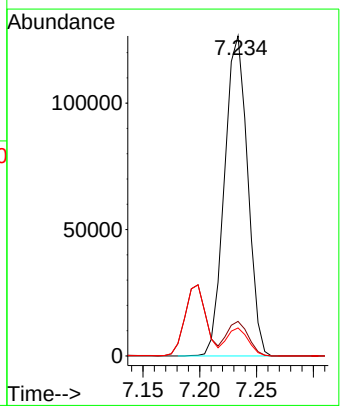


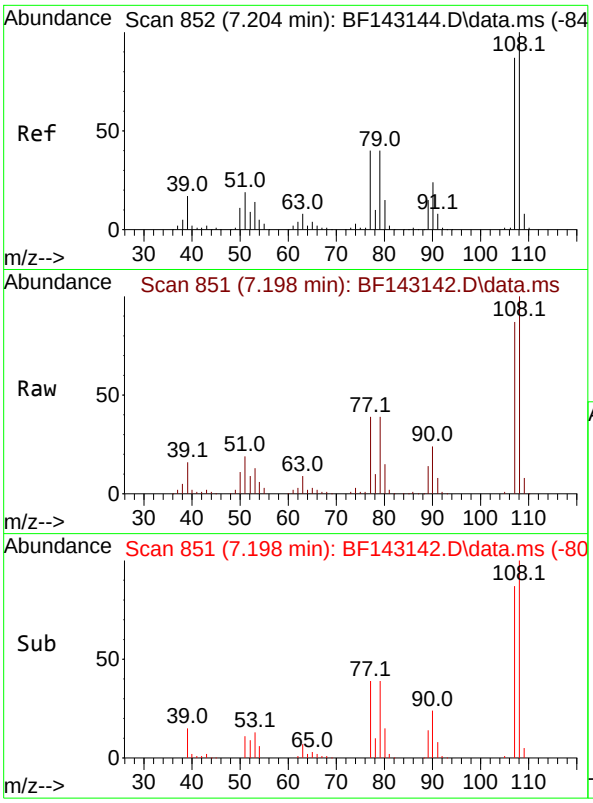


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.371 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 45 Resp: 179226

Ion	Ratio	Lower	Upper
45	100		
77	10.8	0.0	31.2
79	8.7	0.0	28.5



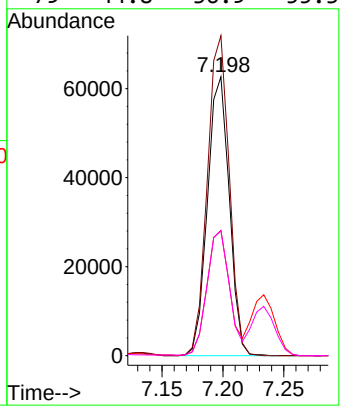


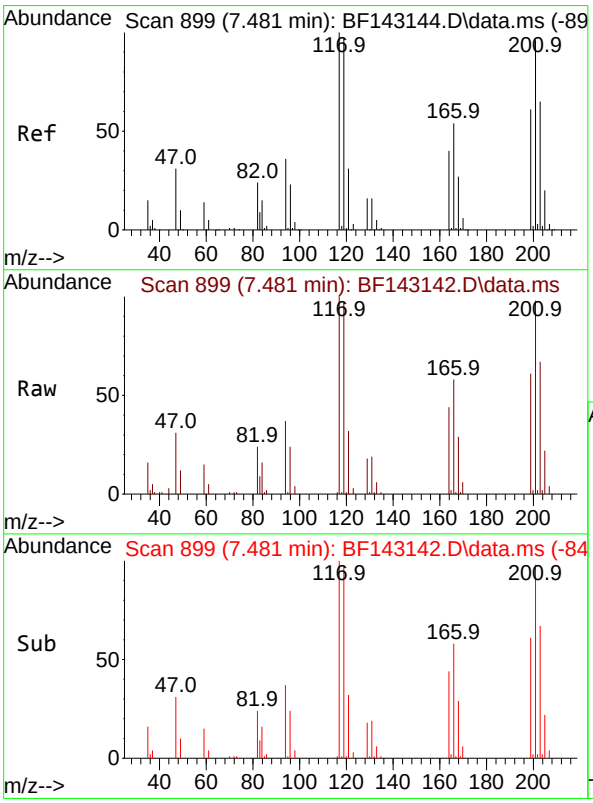
#17
2-Methylphenol
Concen: 9.974 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 78001

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.8	137.6
77	45.0	37.0	55.6
79	44.8	36.9	55.3

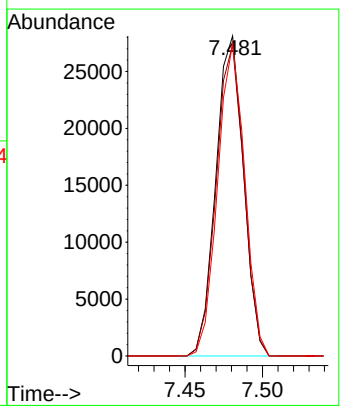


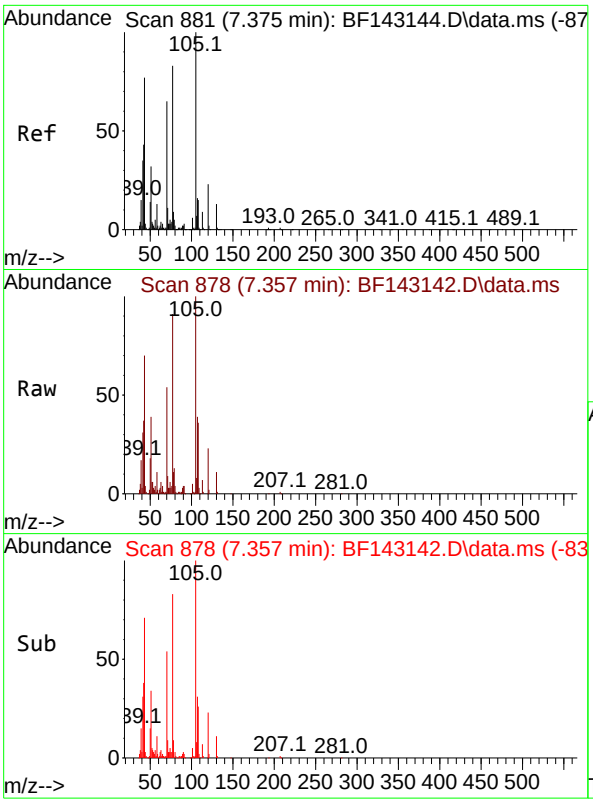


#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:117 Resp: 34985

Ion	Ratio	Lower	Upper
117	100		
119	97.2	77.8	116.8
201	97.7	77.0	115.4



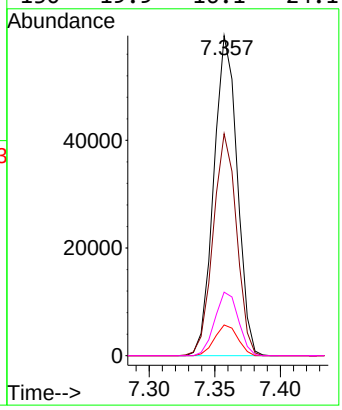


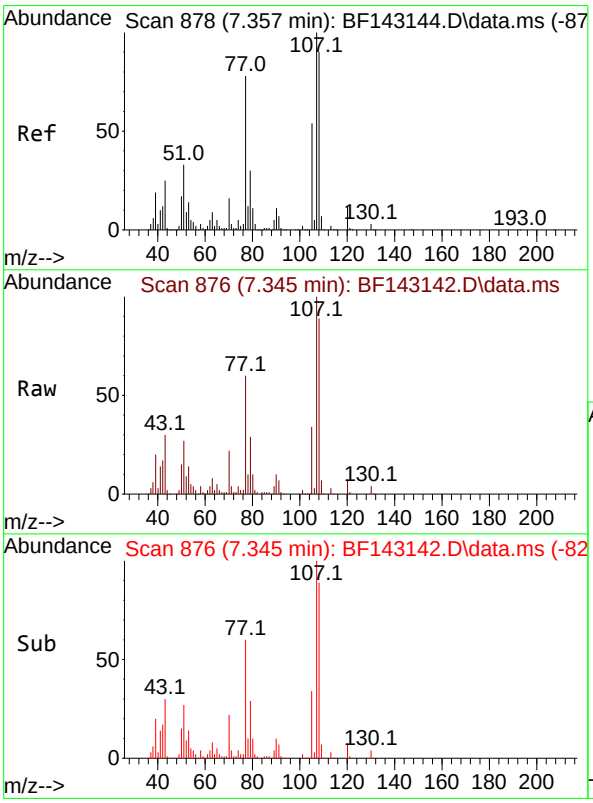
#19
n-Nitroso-di-n-propylamine
Concen: 10.302 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 73815

Ion	Ratio	Lower	Upper
70	100		
42	69.4	52.5	78.7
101	9.6	7.6	11.4
130	19.9	16.1	24.1

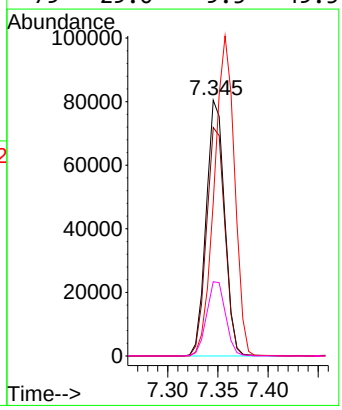


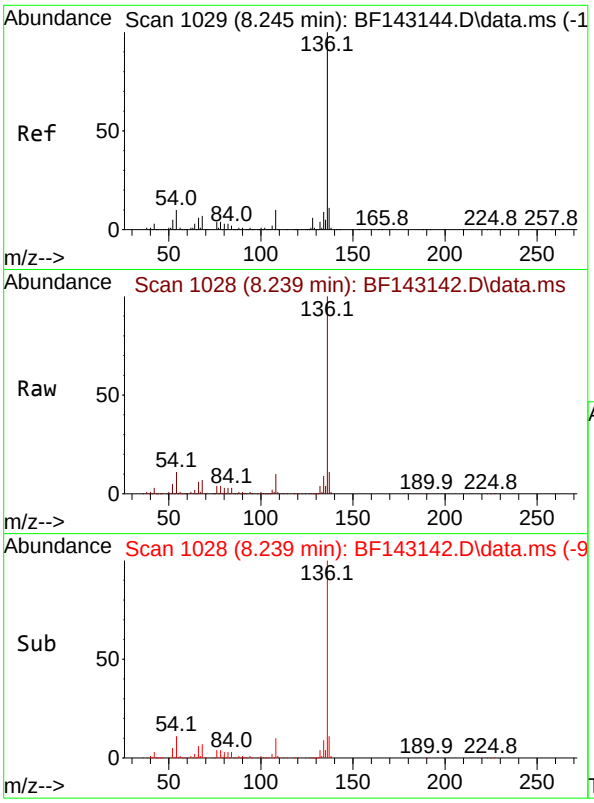


#20
3+4-Methylphenols
Concen: 10.858 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 103018

Ion	Ratio	Lower	Upper
107	100		
108	89.3	70.0	110.0
77	60.0	57.8	97.8
79	29.0	9.5	49.5



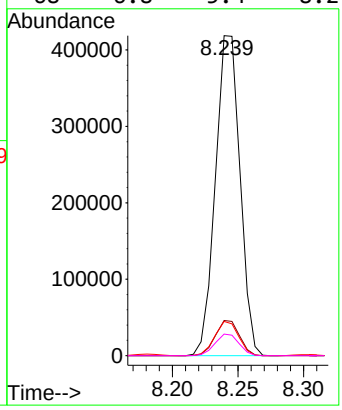


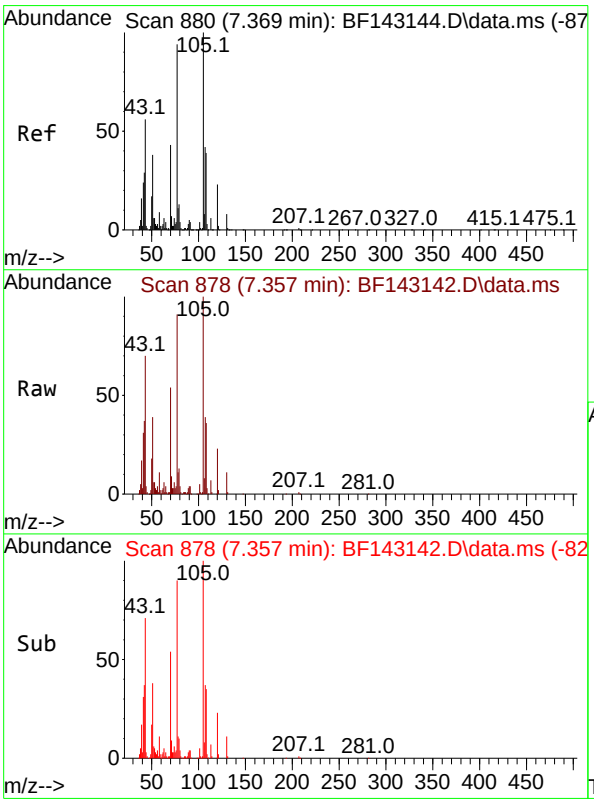
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 545730

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.7	8.2	12.2
68	6.8	5.4	8.2

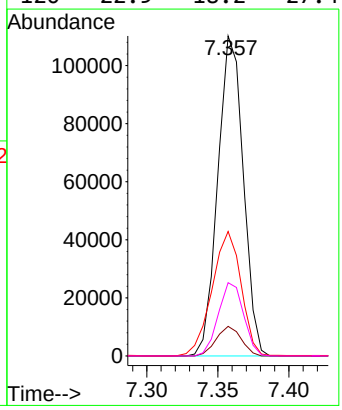


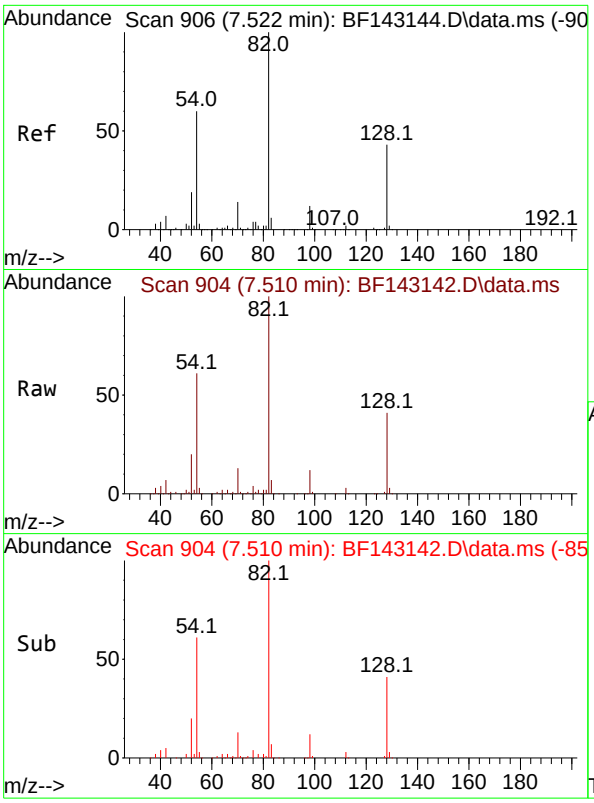


#22
Acetophenone
Concen: 10.645 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:105 Resp: 137532

Ion	Ratio	Lower	Upper
105	100		
71	9.3	5.8	8.6#
51	38.9	30.2	45.2
120	22.9	18.2	27.4



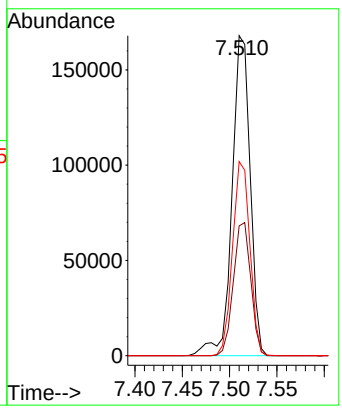


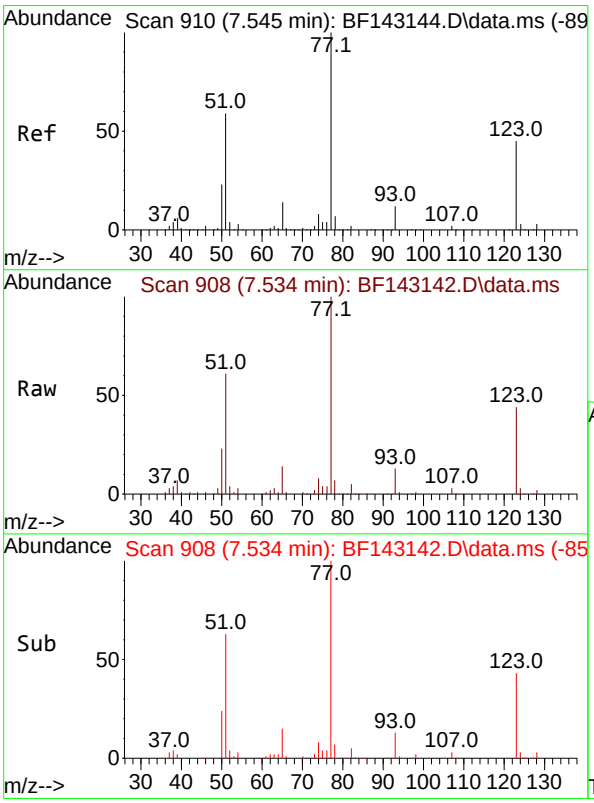
#23
Nitrobenzene-d5
Concen: 20.396 ng
RT: 7.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 223300

Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.6	50.4
54	60.7	47.1	70.7

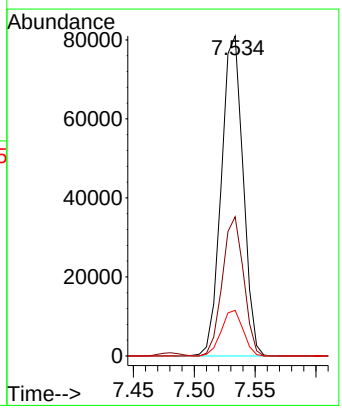


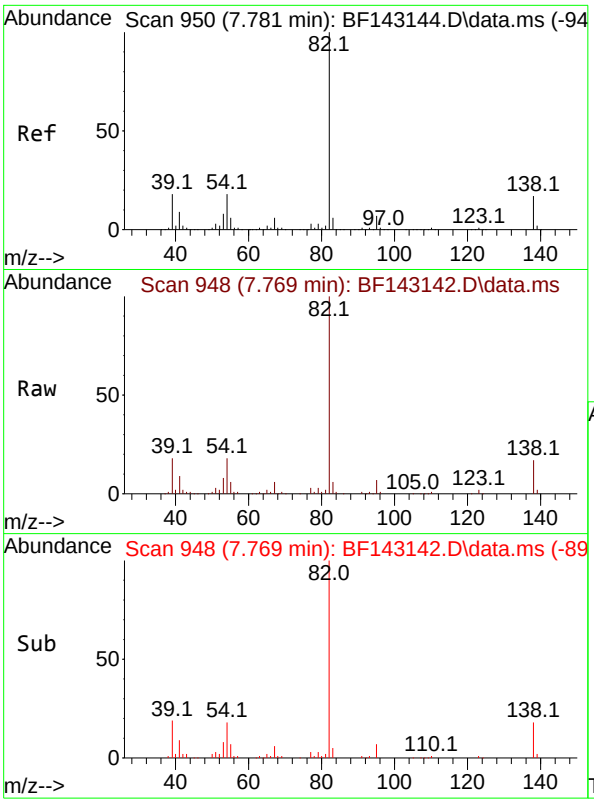


#24
Nitrobenzene
Concen: 9.879 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 77 Resp: 100837

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.1	54.1
65	14.2	11.4	17.2



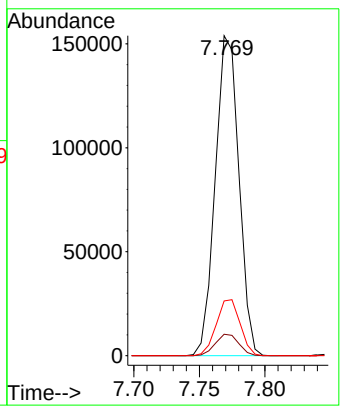


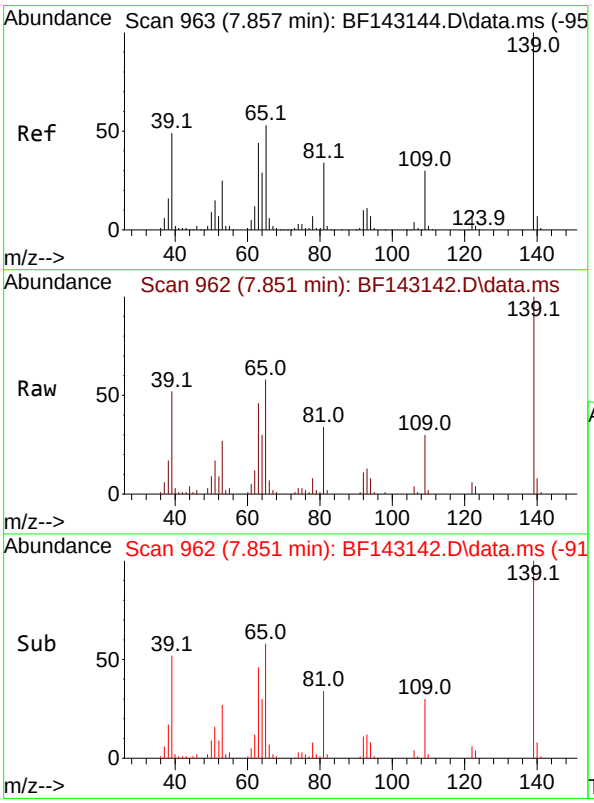
#25
Isophorone
Concen: 9.981 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 192895

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.1	13.8	20.8

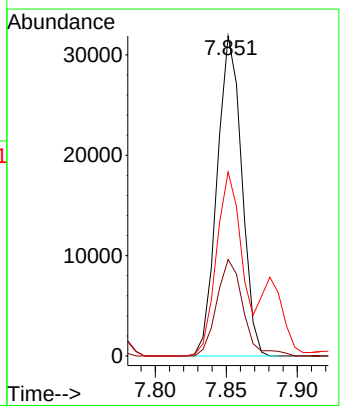


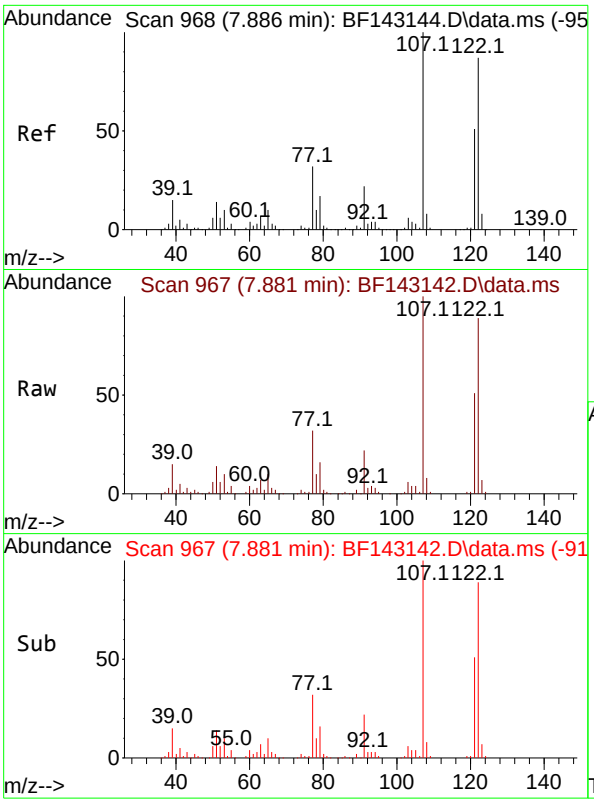


#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:139 Resp: 38451

Ion	Ratio	Lower	Upper
139	100		
109	30.2	23.6	35.4
65	57.5	42.6	64.0



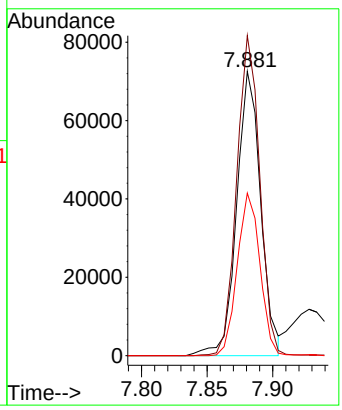


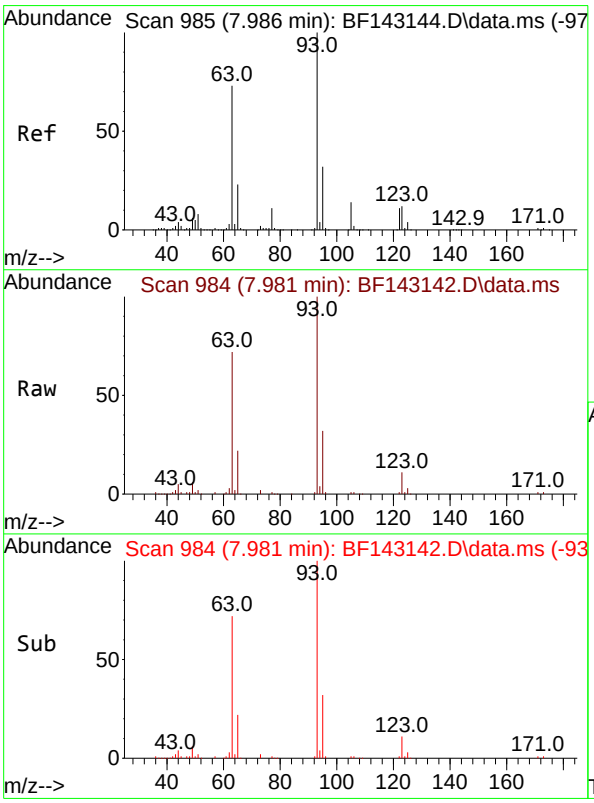
#27
2,4-Dimethylphenol
Concen: 10.269 ng
RT: 7.881 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 92724

Ion	Ratio	Lower	Upper
122	100		
107	112.6	91.8	137.6
121	57.2	46.3	69.5

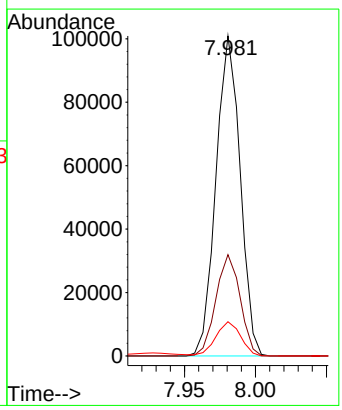


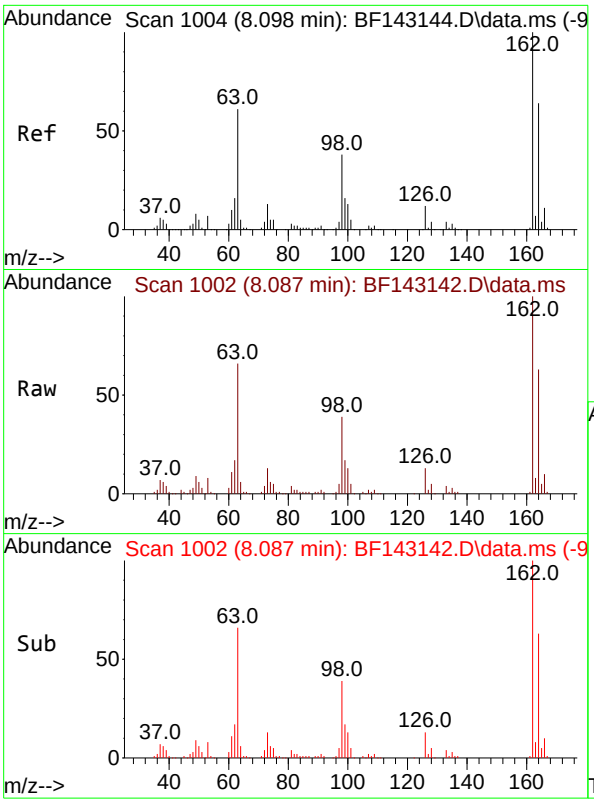


#28
bis(2-Chloroethoxy)methane
Concen: 10.297 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 93 Resp: 119320

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.6
123	10.7	9.7	14.5



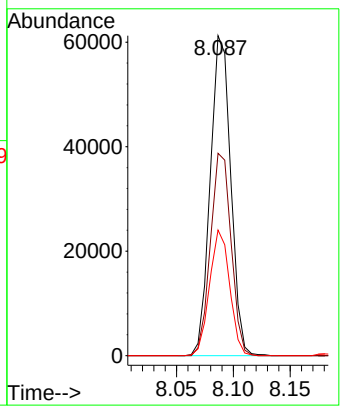


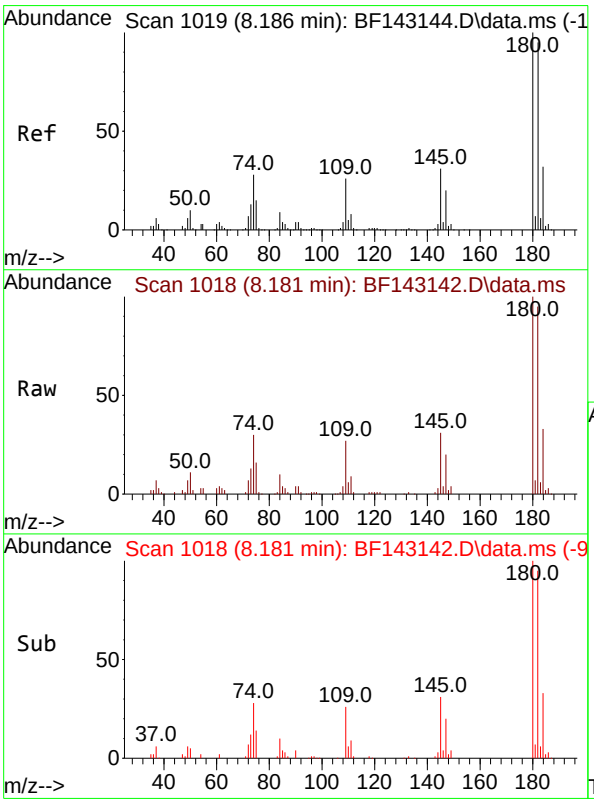
#29
2,4-Dichlorophenol
Concen: 10.091 ng
RT: 8.087 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 76847

Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.2	84.2
98	39.2	17.9	57.9

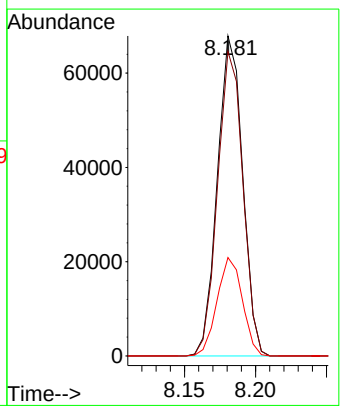


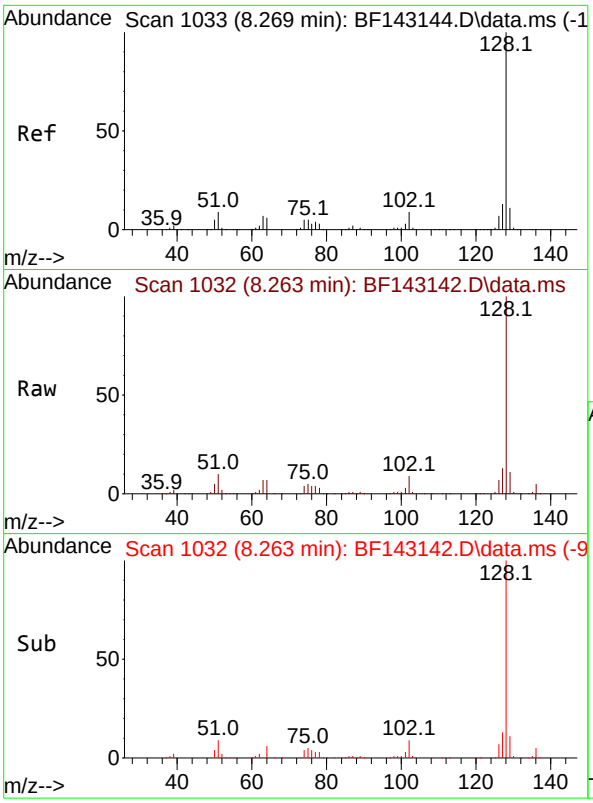


#30
1,2,4-Trichlorobenzene
Concen: 10.191 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:180 Resp: 83842

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	30.7	25.0	37.6



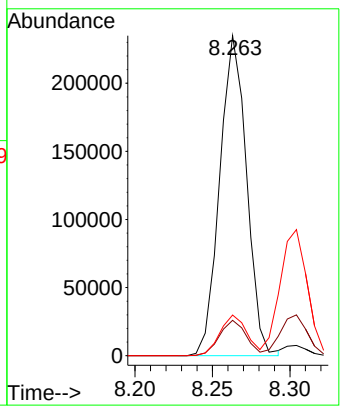


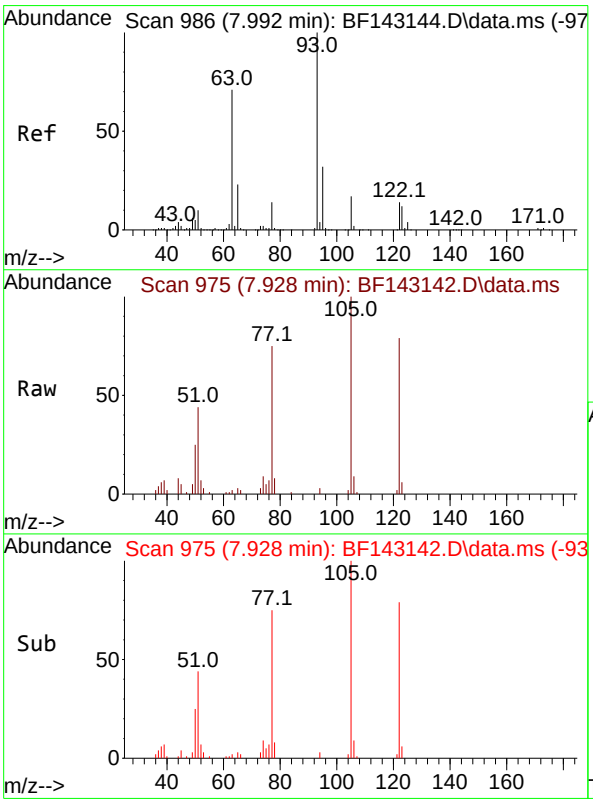
#31
Naphthalene
Concen: 10.534 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 283107

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.7	10.6	16.0

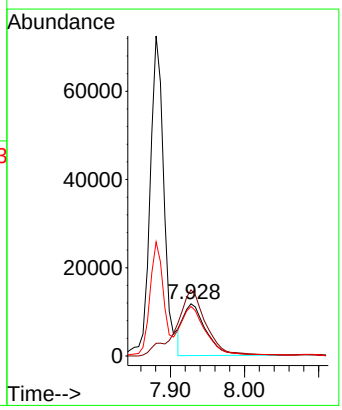


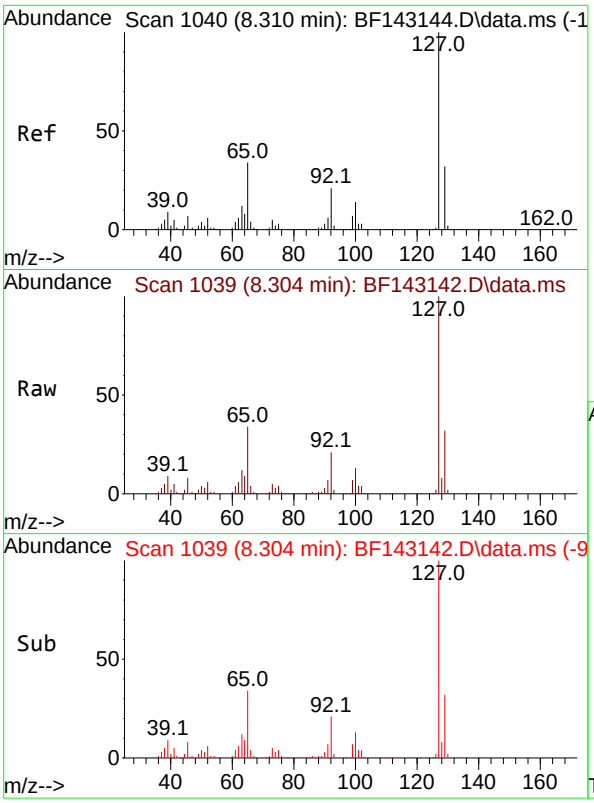


#32
Benzoic acid
Concen: 9.564 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:122 Resp: 25309

Ion	Ratio	Lower	Upper
122	100		
105	126.6	104.8	144.8
77	94.6	77.6	117.6



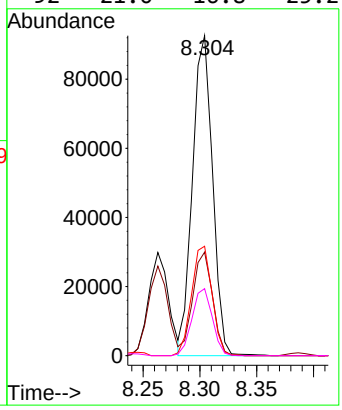


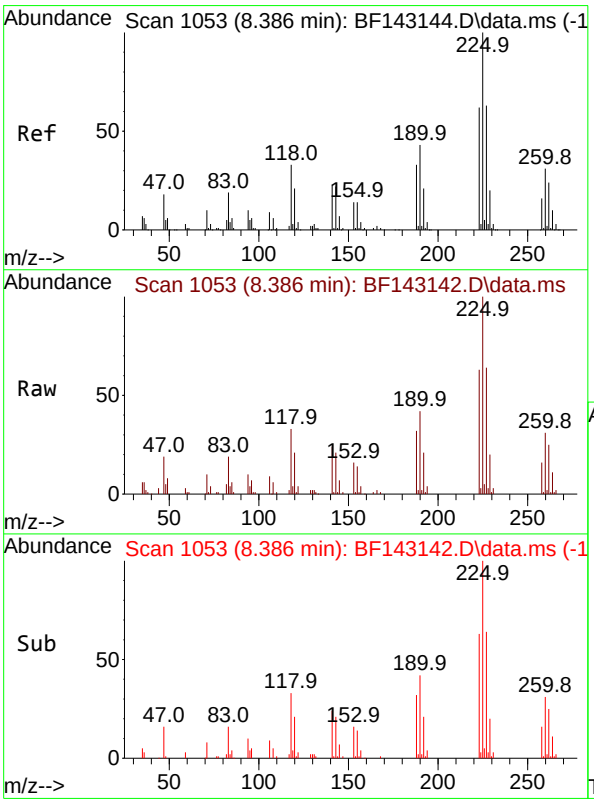
#33
4-Chloroaniline
Concen: 10.369 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 113797

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	34.2	27.4	41.2
92	21.0	16.8	25.2

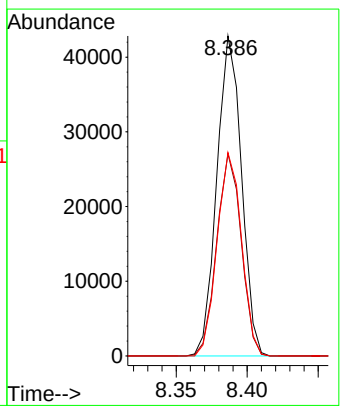


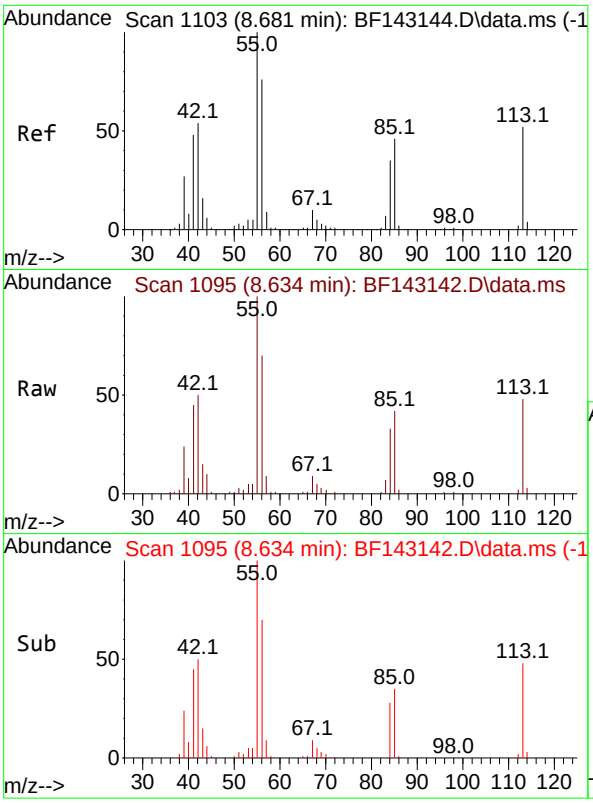


#34
Hexachlorobutadiene
Concen: 10.290 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:225 Resp: 51715

Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.8	74.6
227	63.5	50.2	75.4



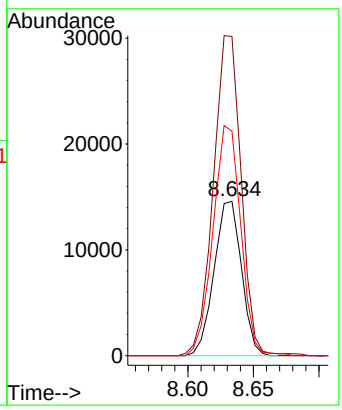


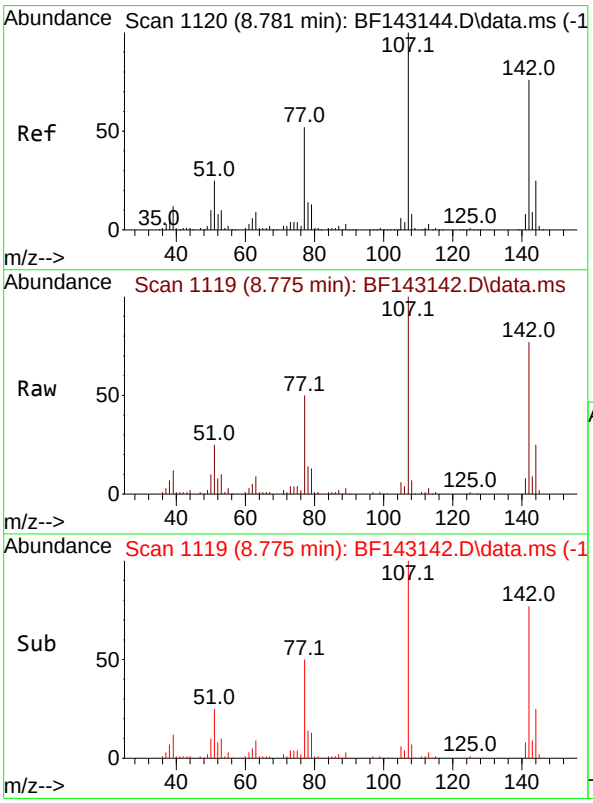
#35
Caprolactam
Concen: 9.194 ng
RT: 8.634 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 21157

Ion	Ratio	Lower	Upper
113	100		
55	206.8	174.0	214.0
56	145.4	126.6	166.6

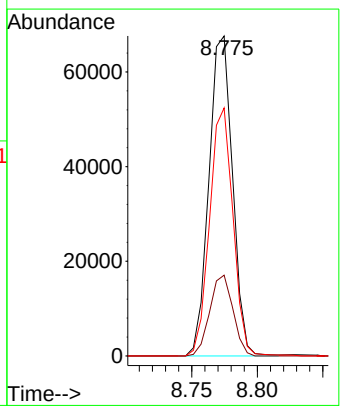


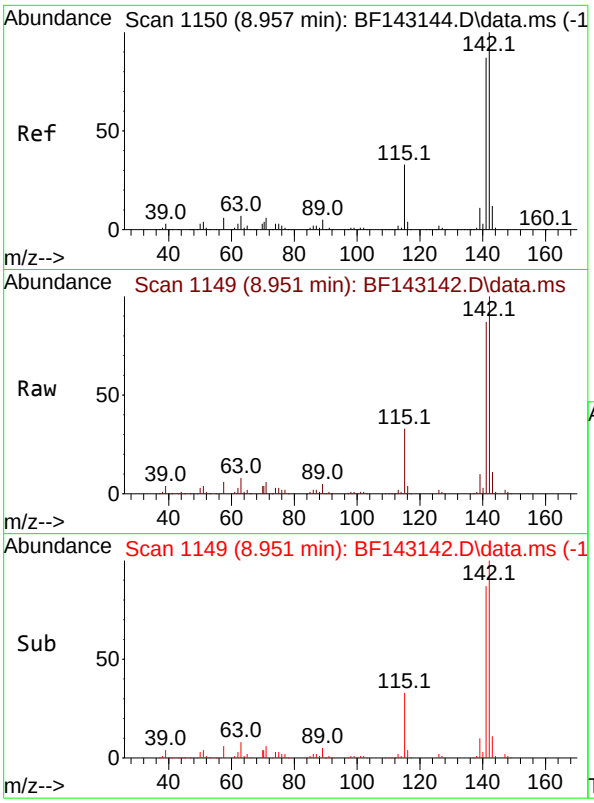


#36
4-Chloro-3-methylphenol
Concen: 10.227 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:107 Resp: 84647

Ion	Ratio	Lower	Upper
107	100		
144	25.3	19.8	29.6
142	77.5	60.6	90.8



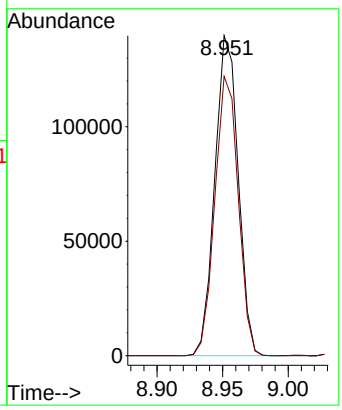


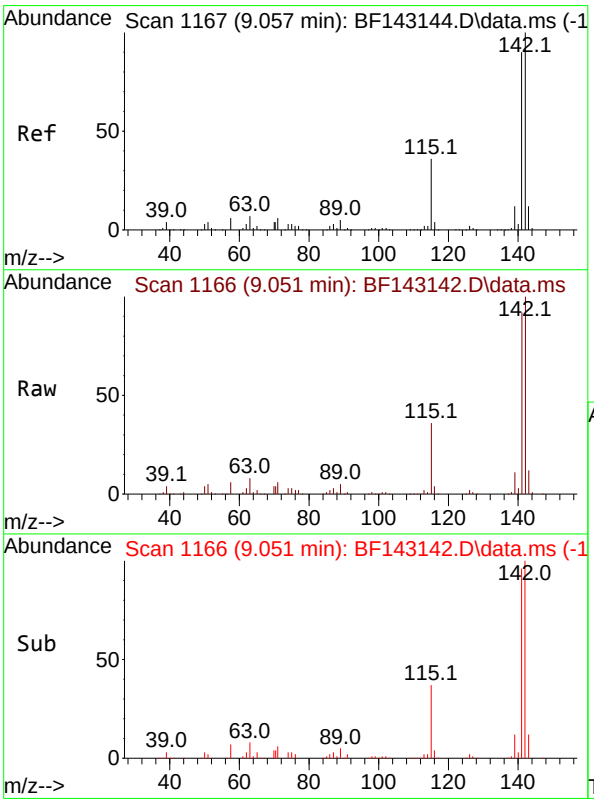
#37
2-Methylnaphthalene
Concen: 10.570 ng
RT: 8.951 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 172865

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.9	104.9

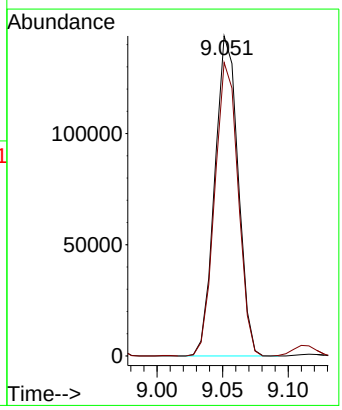


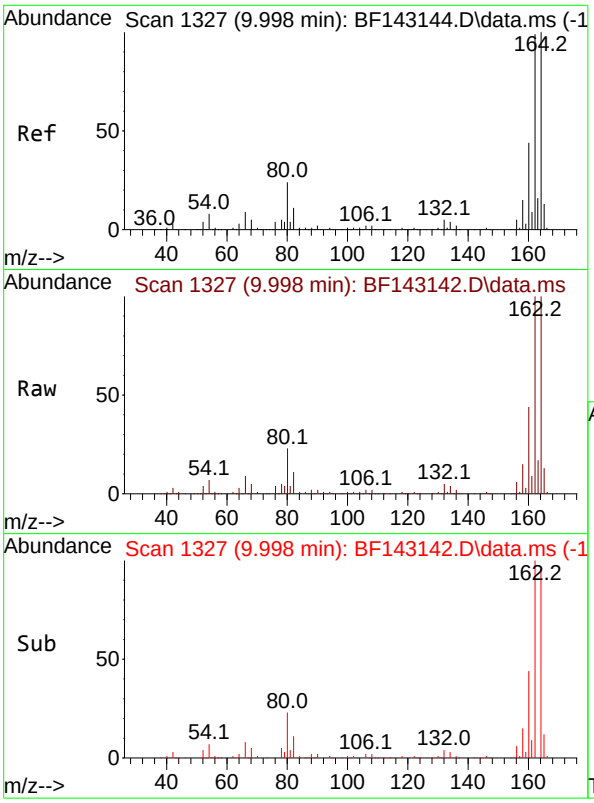


#38
1-Methylnaphthalene
Concen: 10.564 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:142 Resp: 177917

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.3	108.5



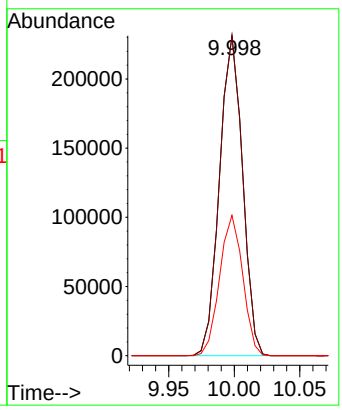


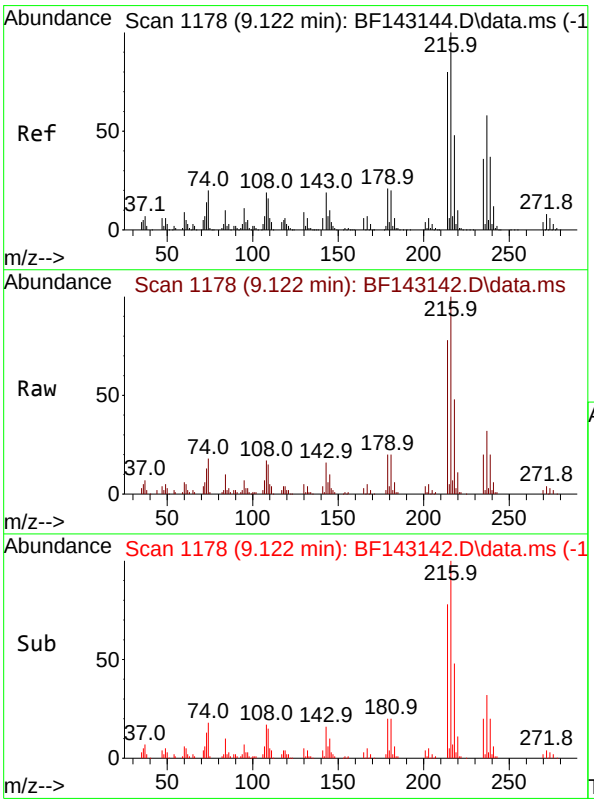
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 282580

Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.0	118.6
160	43.9	35.1	52.7

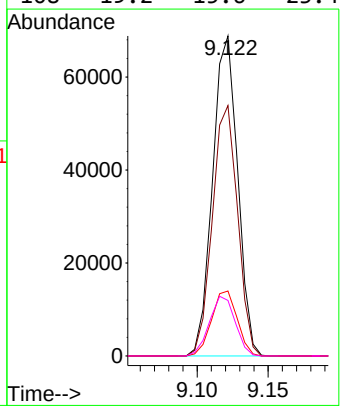


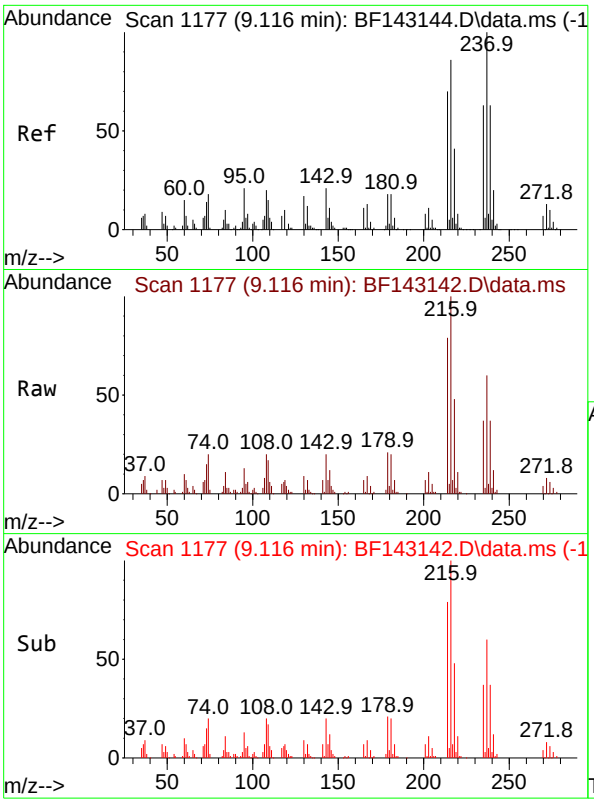


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.357 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:216 Resp: 84494

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.8	95.8
179	20.8	16.4	24.6
108	19.2	15.6	23.4



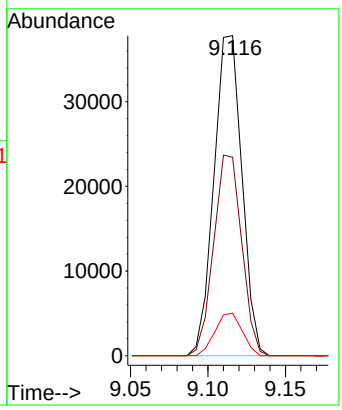


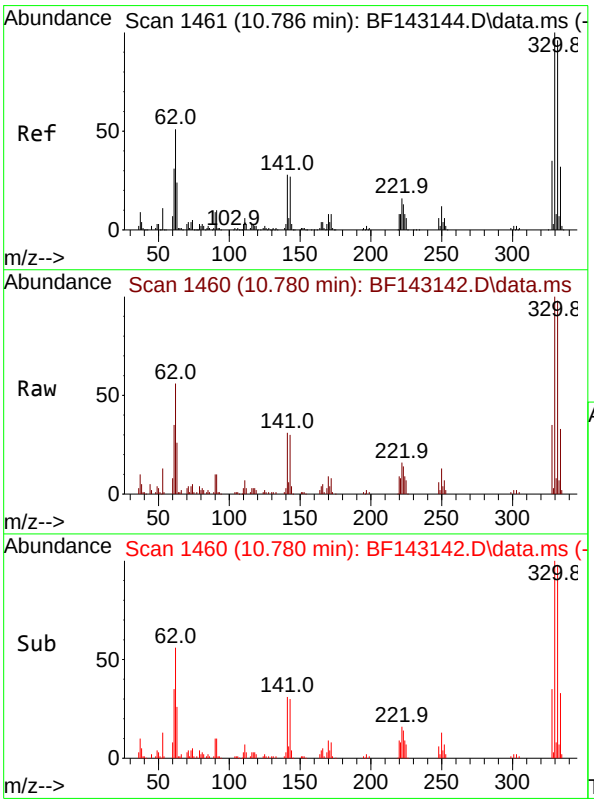
#41
Hexachlorocyclopentadiene
Concen: 8.963 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 47577

Ion	Ratio	Lower	Upper
237	100		
235	62.0	43.0	83.0
272	13.3	0.0	33.3

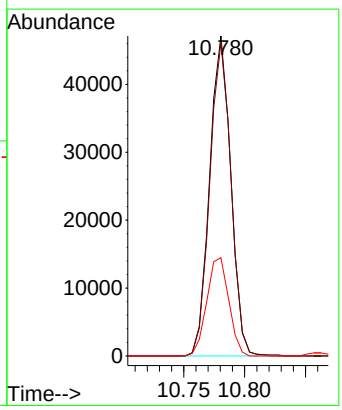


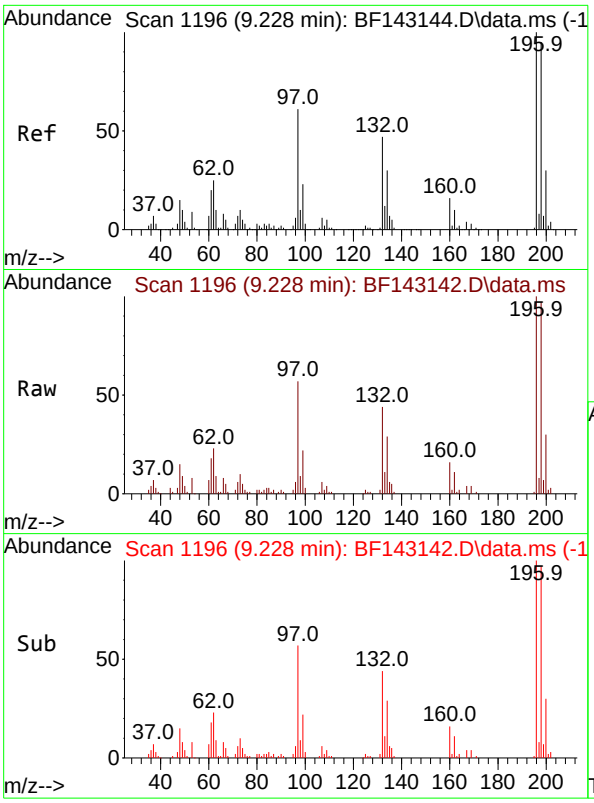


#42
2,4,6-Tribromophenol
Concen: 19.512 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:330 Resp: 56961

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.7	115.1
141	32.0	23.3	34.9



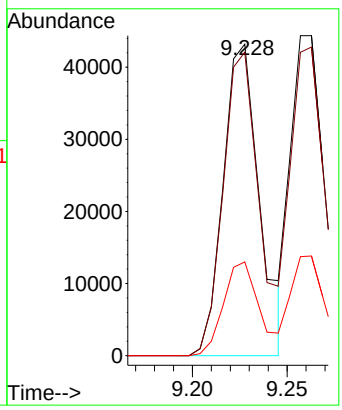


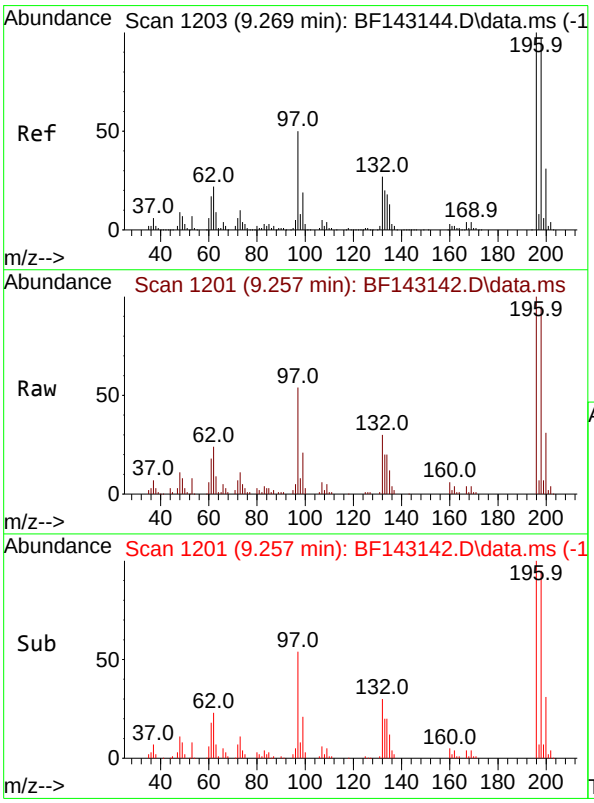
#43
2,4,6-Trichlorophenol
Concen: 10.165 ng
RT: 9.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 57396

Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.2	114.2
200	30.1	23.9	35.9

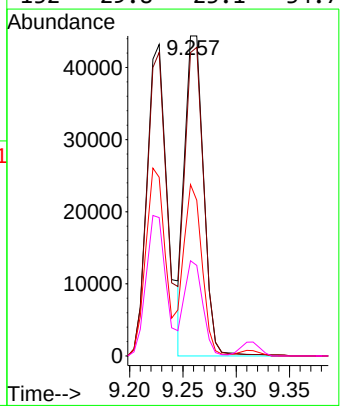


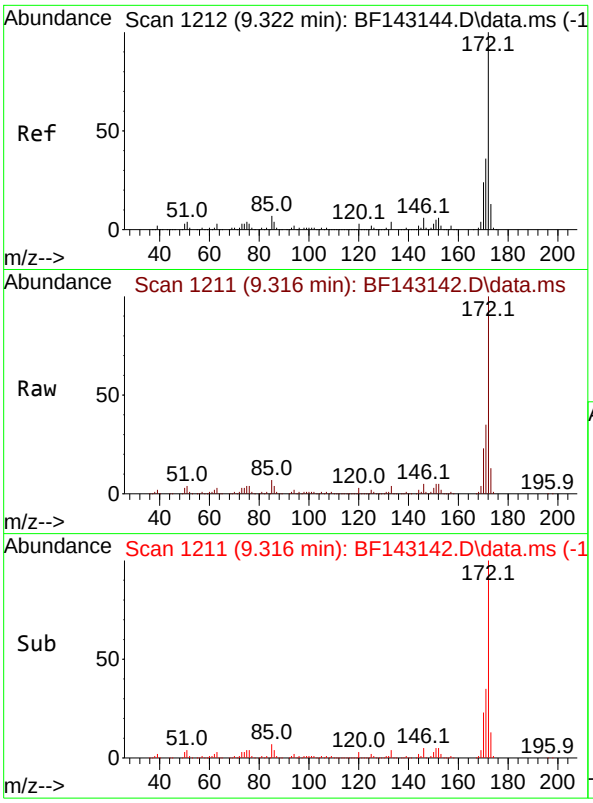


#44
2,4,5-Trichlorophenol
Concen: 9.688 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:196 Resp: 54716

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	53.5	40.3	60.5
132	29.8	23.1	34.7



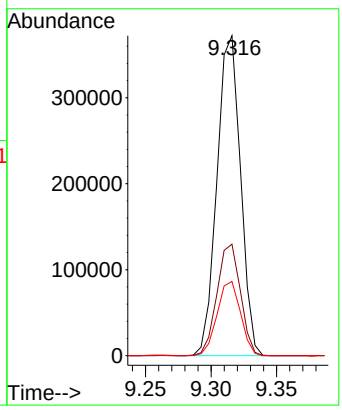


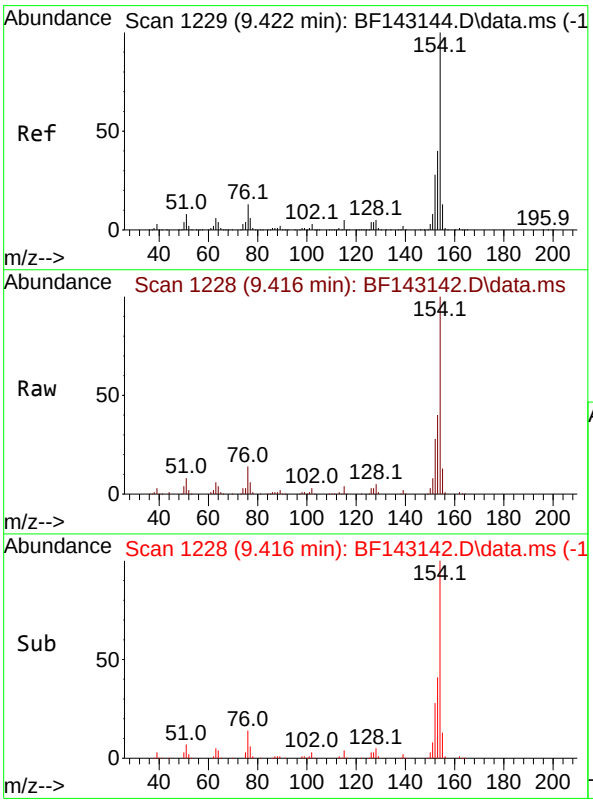
#45
2-Fluorobiphenyl
Concen: 22.489 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 464669

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.2	18.8	28.2

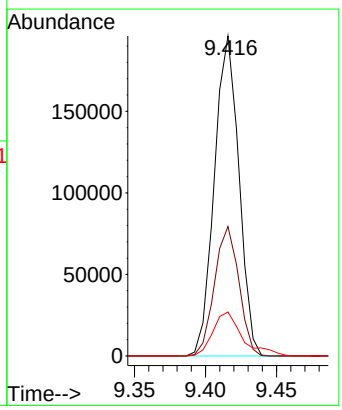


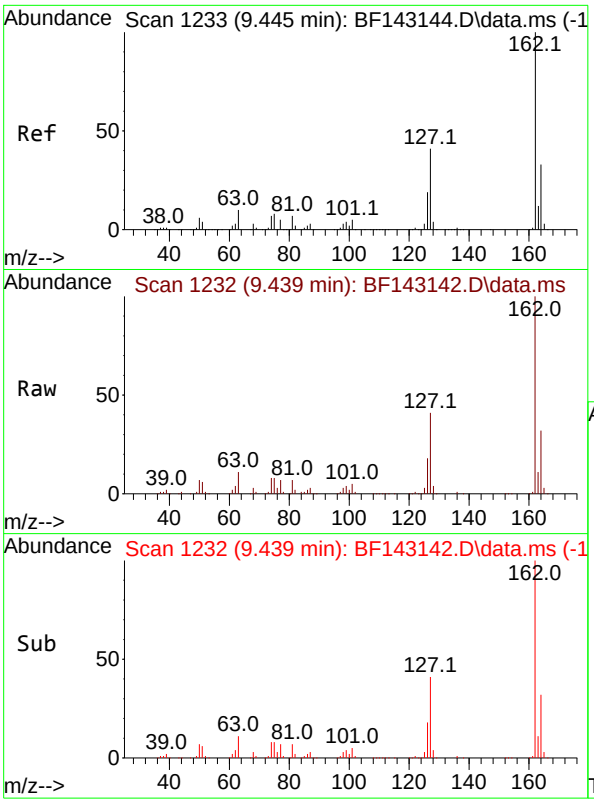


#46
1,1'-Biphenyl
Concen: 10.680 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 235467

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.7	0.0	33.3



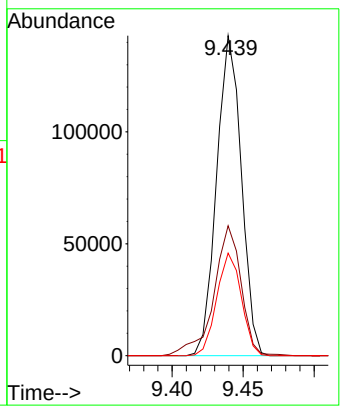


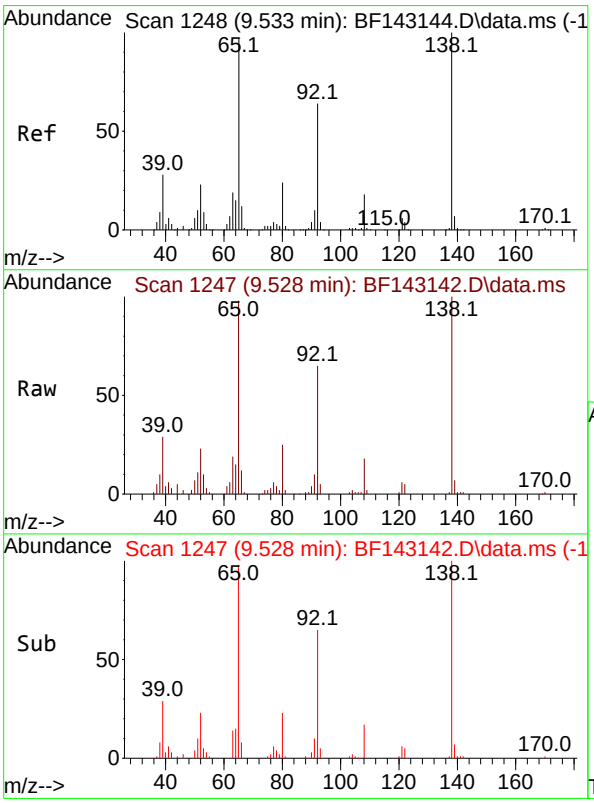
#47
2-Chloronaphthalene
Concen: 10.595 ng
RT: 9.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 172831

Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.0	26.2	39.2

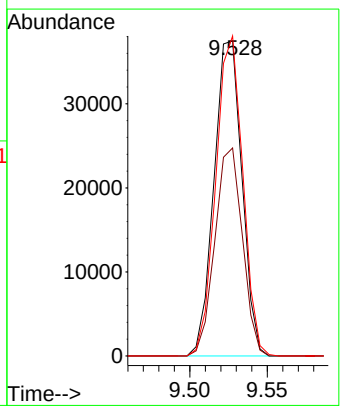


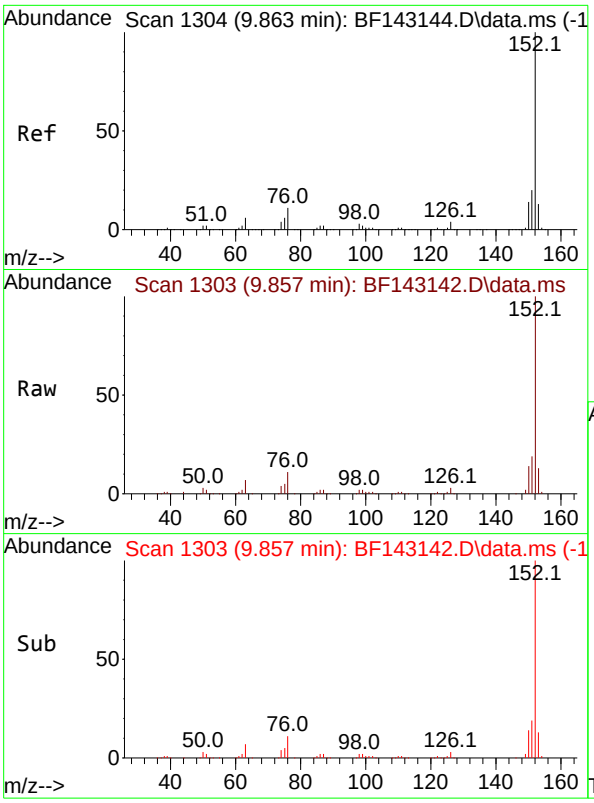


#48
2-Nitroaniline
Concen: 9.198 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion: 65 Resp: 47055

Ion	Ratio	Lower	Upper
65	100		
92	66.0	52.4	78.6
138	101.6	82.3	123.5



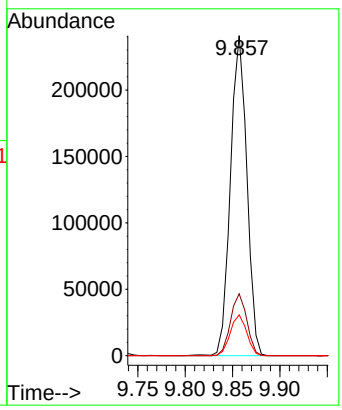


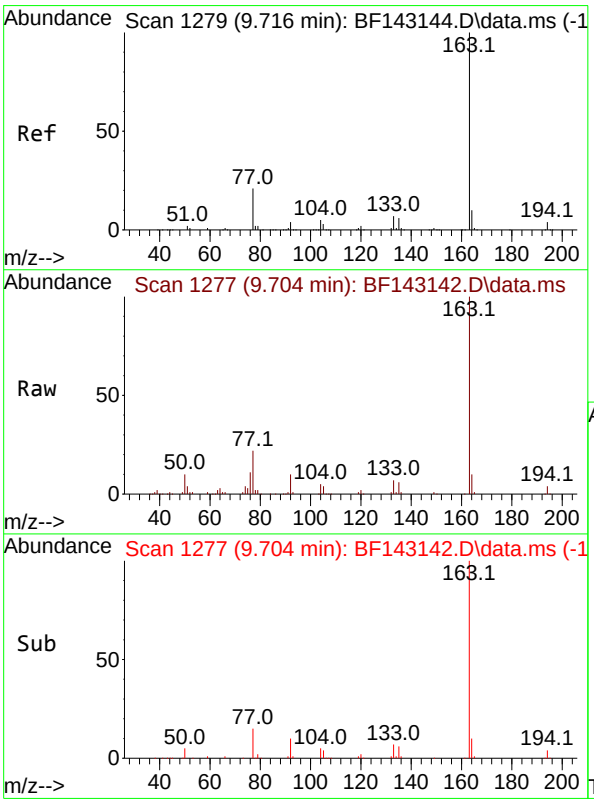
#49
Acenaphthylene
Concen: 10.607 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 289989

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.2
153	12.8	10.6	16.0

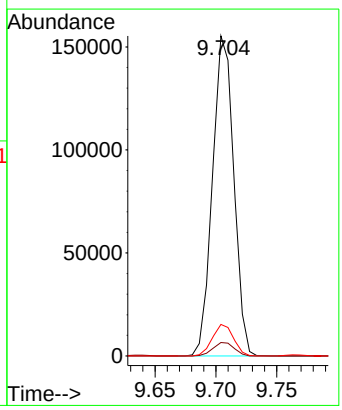


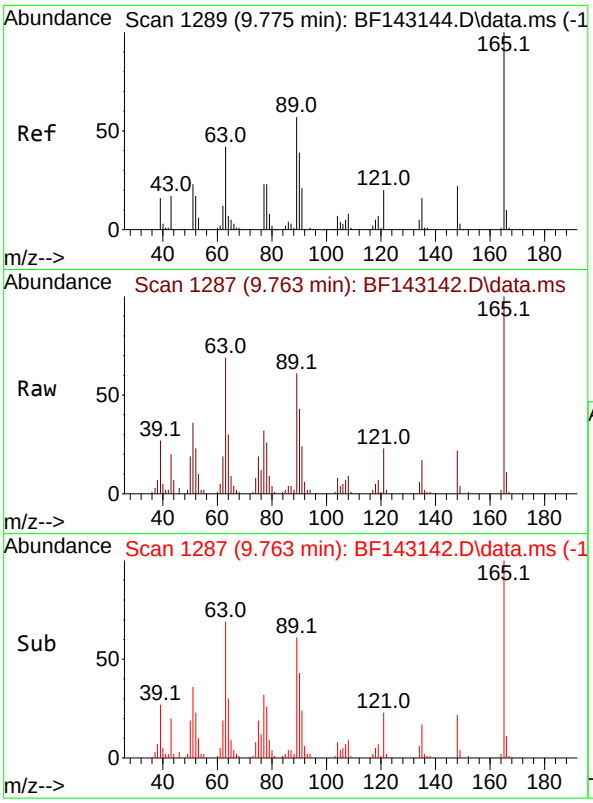


#50
Dimethylphthalate
Concen: 10.283 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:163 Resp: 189399

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.9	8.3	12.5



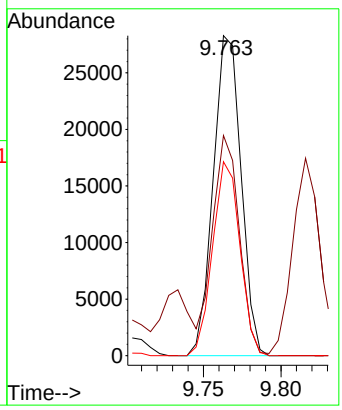


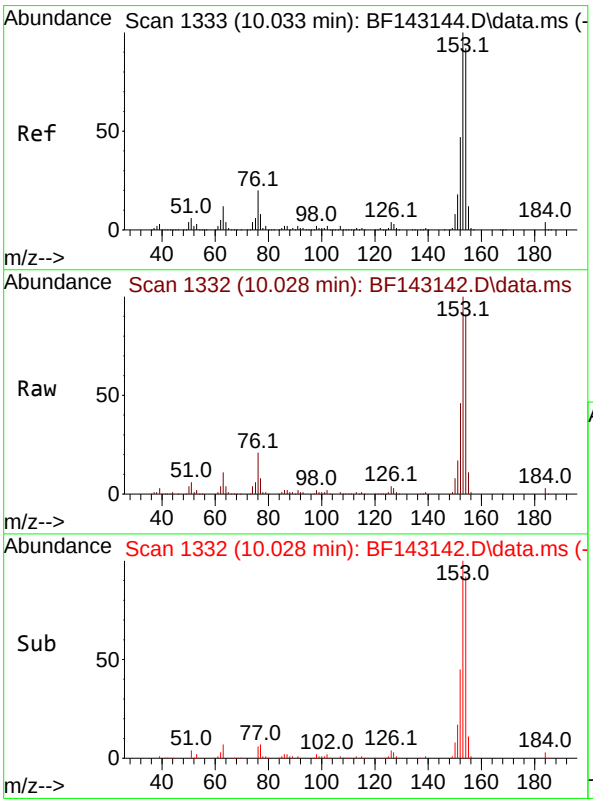
#51
2,6-Dinitrotoluene
Concen: 9.438 ng
RT: 9.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 35364

Ion	Ratio	Lower	Upper
165	100		
63	68.8	49.4	74.2
89	60.6	46.2	69.2

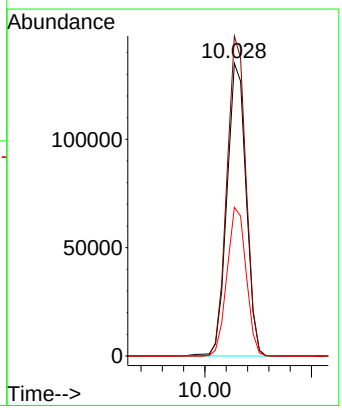


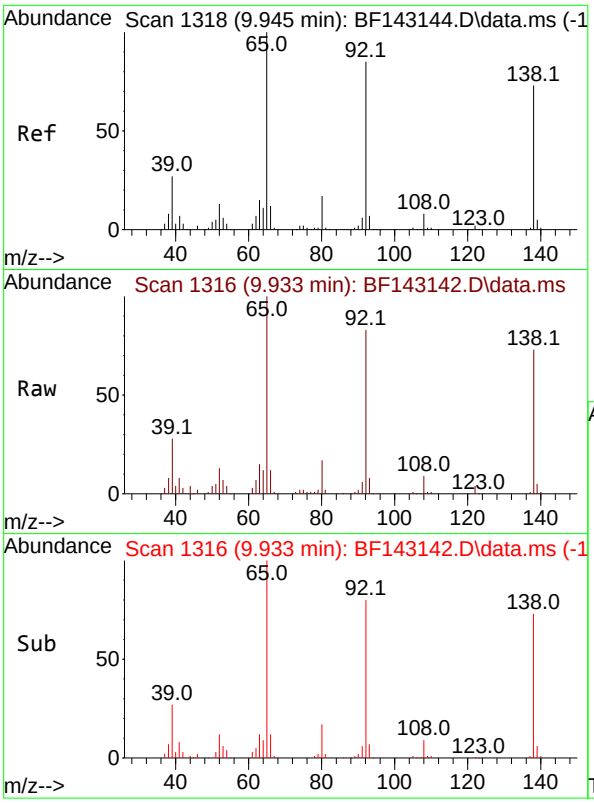


#52
Acenaphthene
Concen: 10.440 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:154 Resp: 168698

Ion	Ratio	Lower	Upper
154	100		
153	109.3	86.6	129.8
152	50.8	40.4	60.6



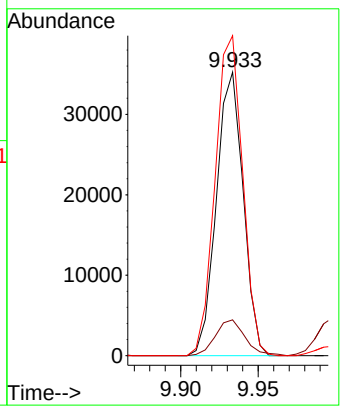


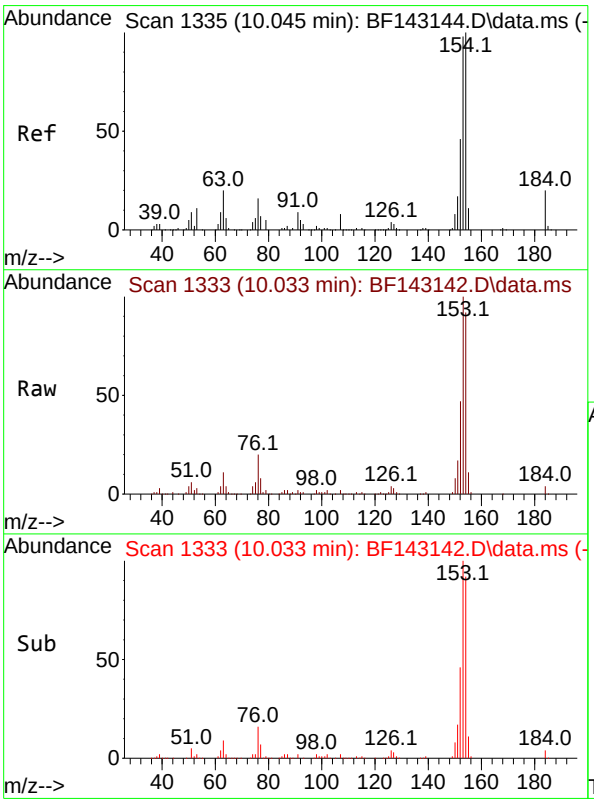
#53
3-Nitroaniline
Concen: 9.667 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 42367

Ion	Ratio	Lower	Upper
138	100		
108	12.7	9.0	13.6
92	112.9	93.0	139.4

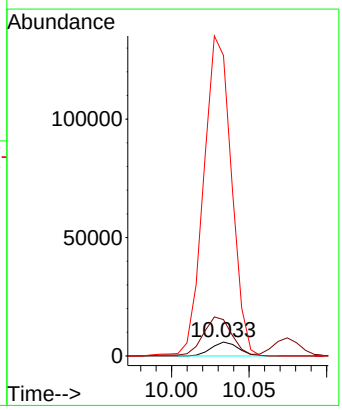


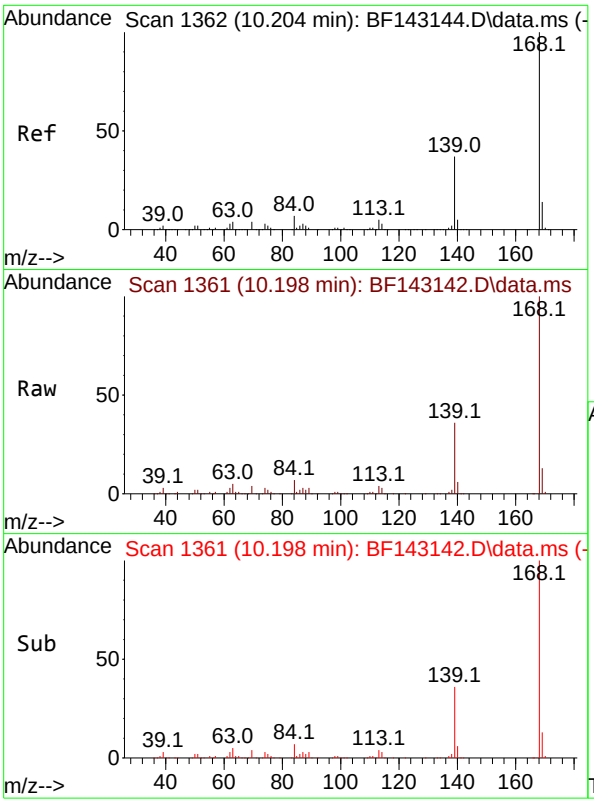


#54
2,4-Dinitrophenol
Concen: 10.522 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:184 Resp: 7147

Ion	Ratio	Lower	Upper
184	100		
63	261.5	81.8	122.6#
154	2164.9	412.2	618.4#



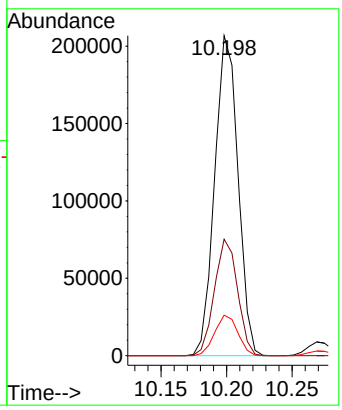


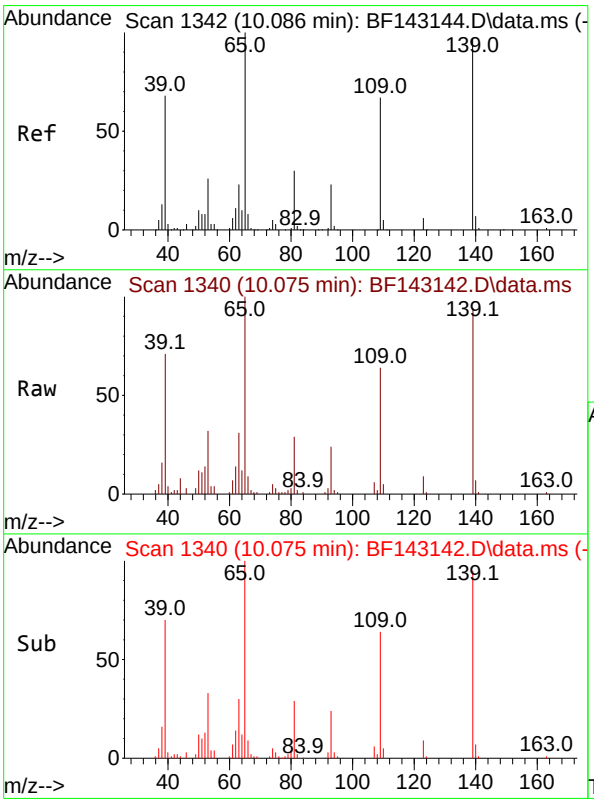
#55
Dibenzofuran
Concen: 10.641 ng
RT: 10.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 255272

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.5	44.3
169	12.7	10.9	16.3

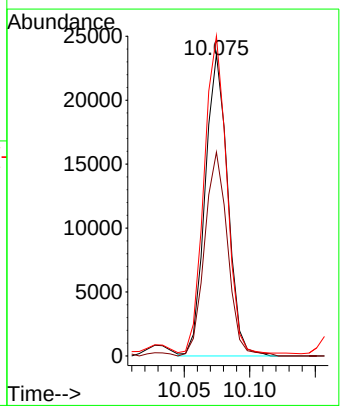


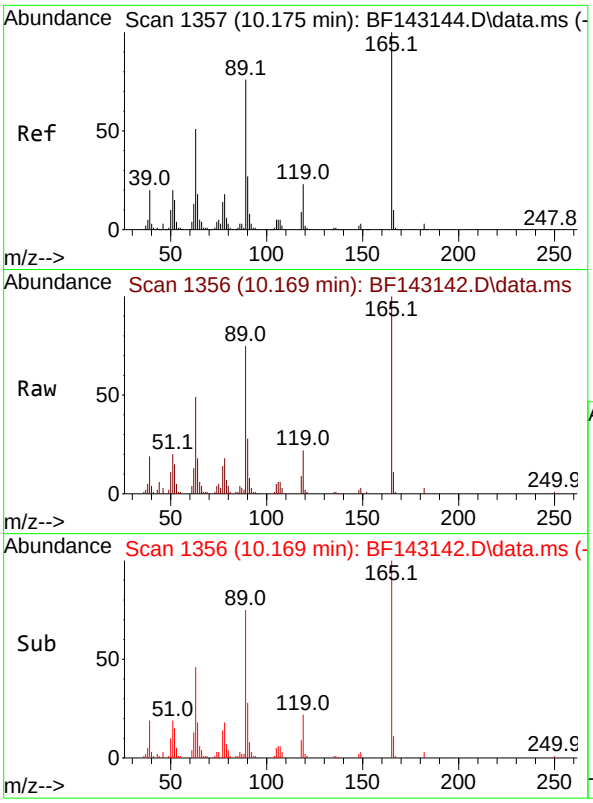


#56
4-Nitrophenol
Concen: 8.627 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:139 Resp: 28233

Ion	Ratio	Lower	Upper
139	100		
109	67.5	48.5	88.5
65	106.0	83.4	123.4



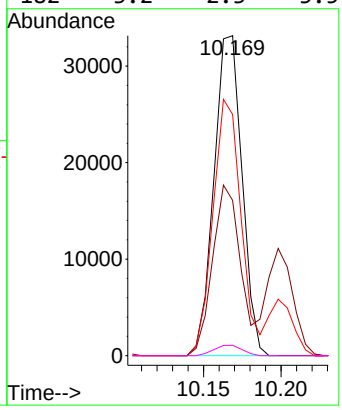


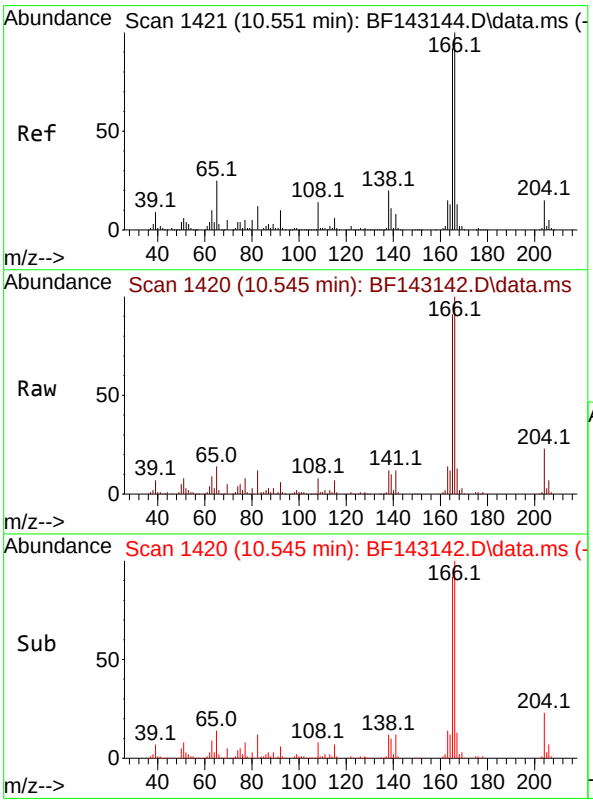
#57
2,4-Dinitrotoluene
Concen: 8.895 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 41815

Ion	Ratio	Lower	Upper
165	100		
63	48.5	41.0	61.4
89	75.4	61.1	91.7
182	3.2	2.3	3.5

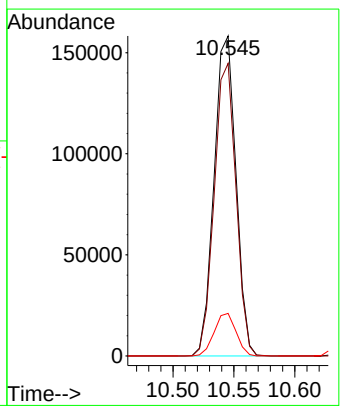


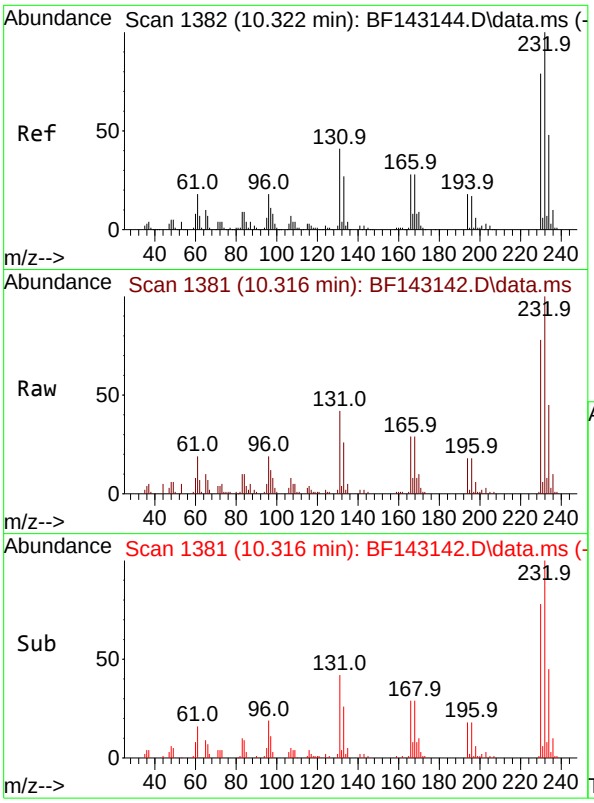


#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:166 Resp: 198041

Ion	Ratio	Lower	Upper
166	100		
165	91.4	73.7	110.5
167	13.3	10.6	16.0



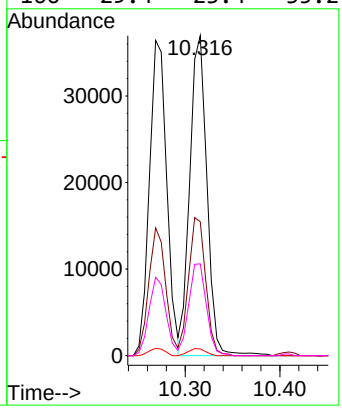


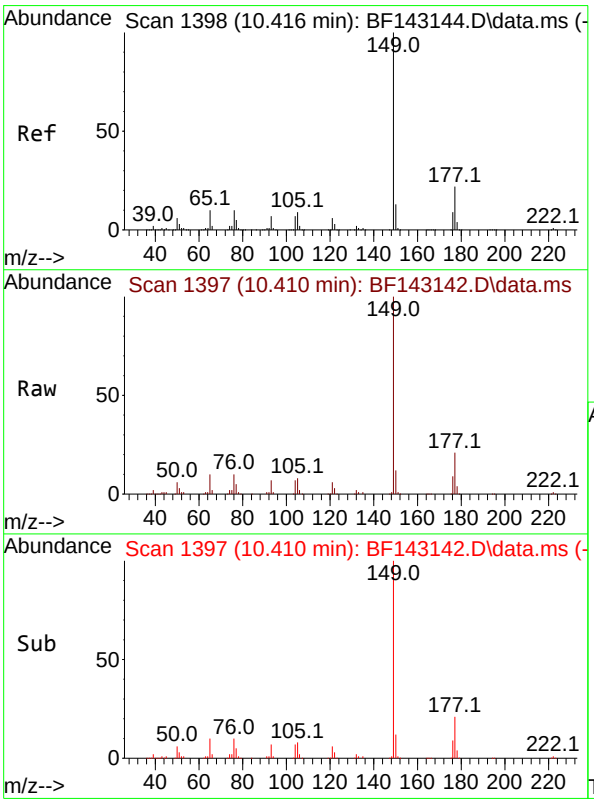
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 46720

Ion	Ratio	Lower	Upper
232	100		
131	43.0	35.3	52.9
130	2.2	1.7	2.5
166	29.4	23.4	35.2

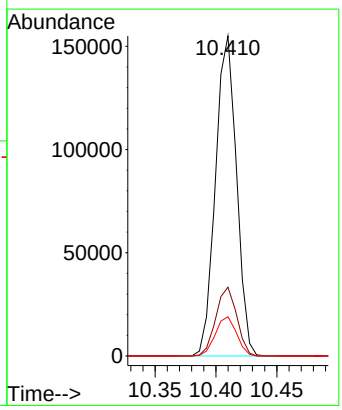


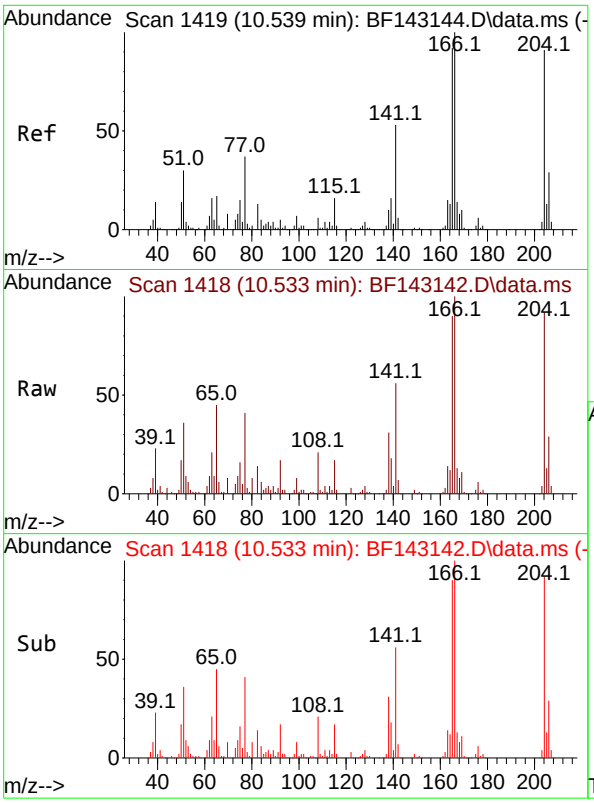


#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 186802

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.5	26.3
150	12.3	10.2	15.2



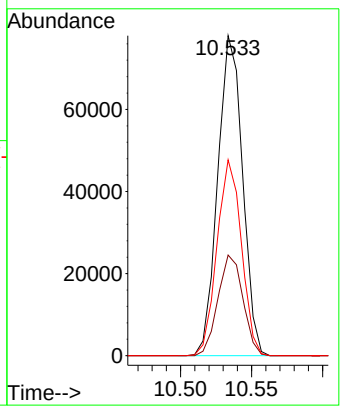


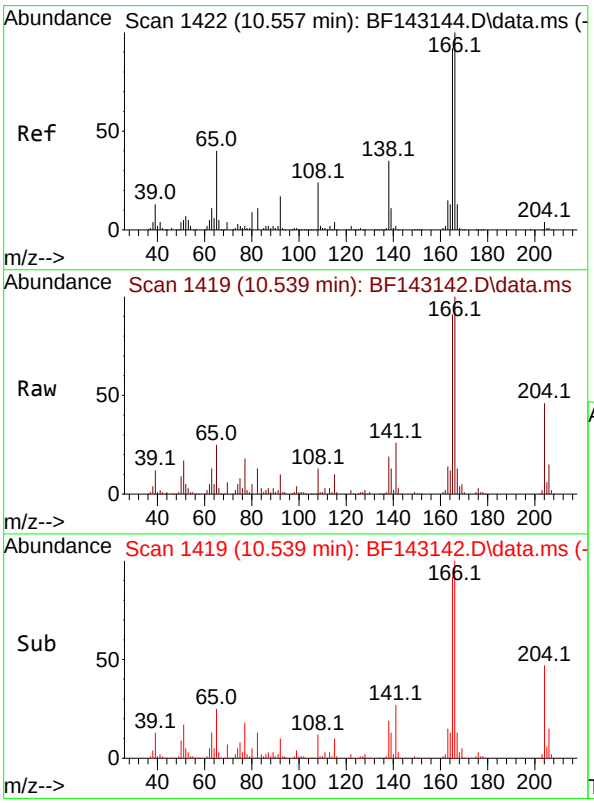
#61
4-Chlorophenyl-phenylether
Concen: 10.561 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 94685

Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.8	38.8
141	61.2	47.0	70.4

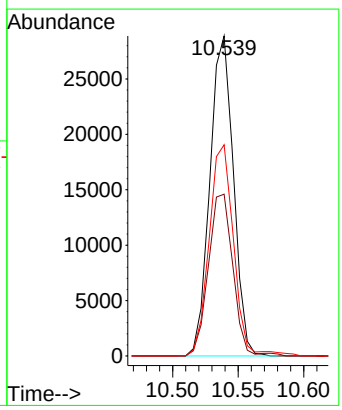


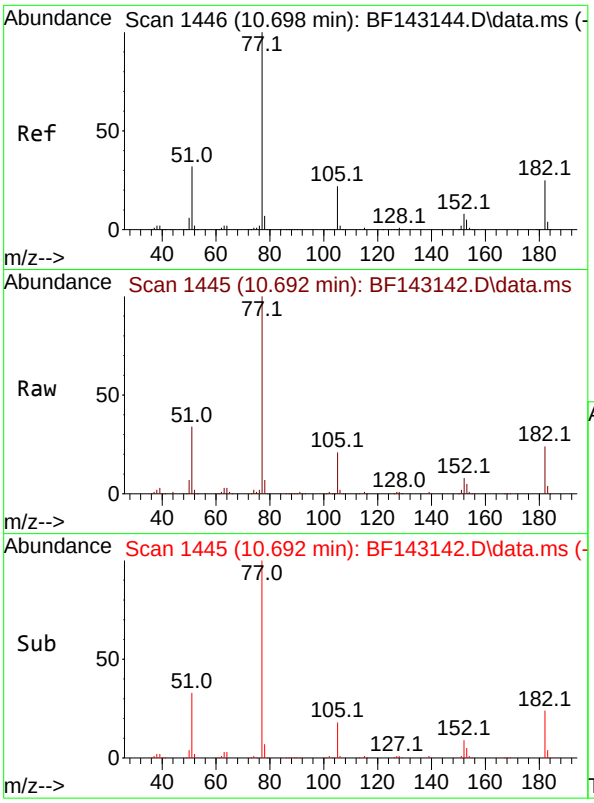


#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:138 Resp: 35962

Ion	Ratio	Lower	Upper
138	100		
92	50.5	29.3	69.3
108	66.0	48.3	88.3



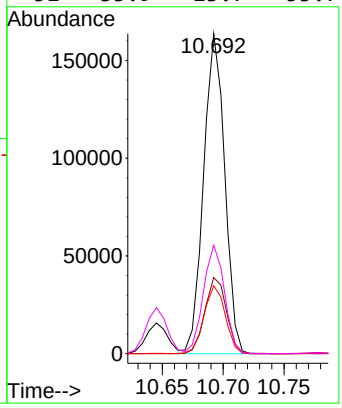


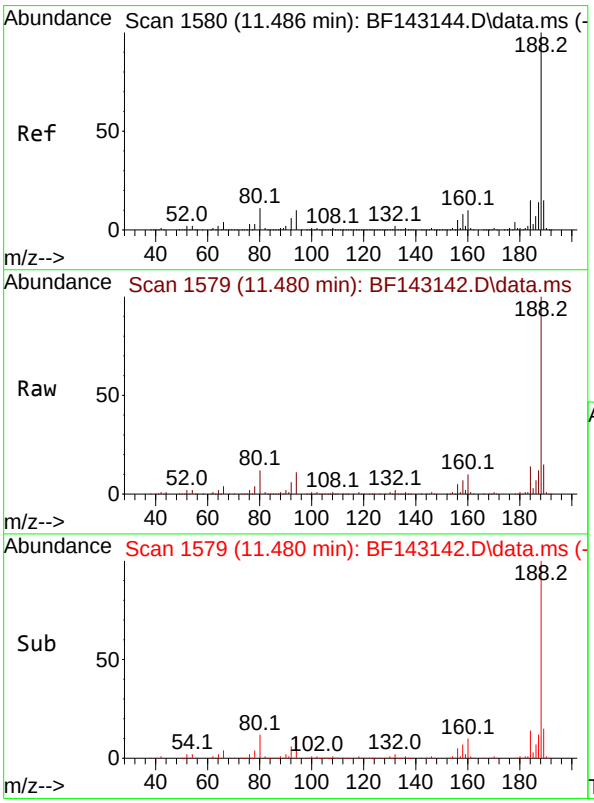
#63
Azobenzene
Concen: 10.435 ng
RT: 10.692 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 197998

Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.6	44.6
105	21.2	1.4	41.4
51	33.9	13.7	53.7

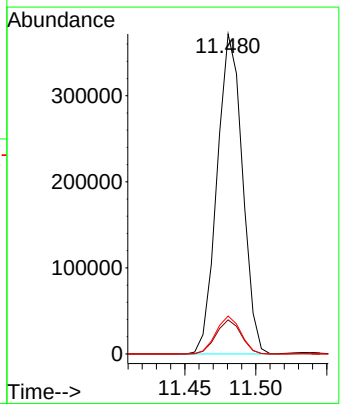


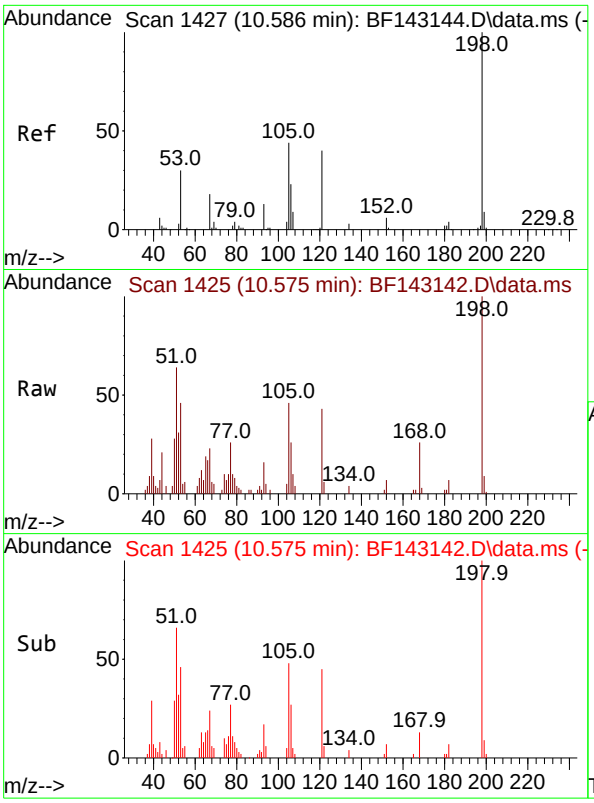


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:188 Resp: 461255

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	11.8	9.0	13.6



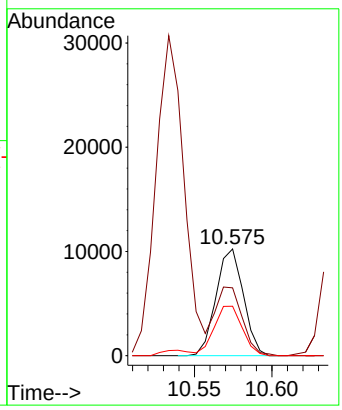


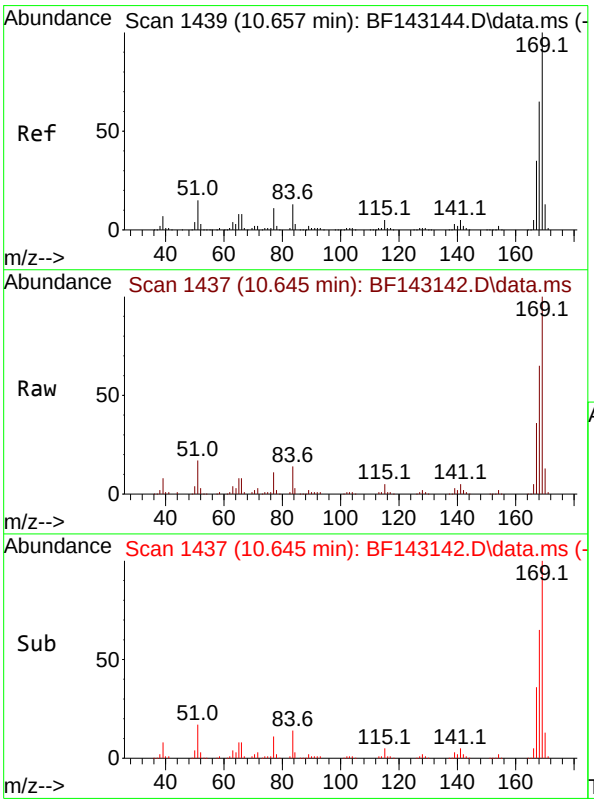
#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 10.575 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 12541

Ion	Ratio	Lower	Upper
198	100		
51	63.6	37.2	77.2
105	46.4	24.8	64.8

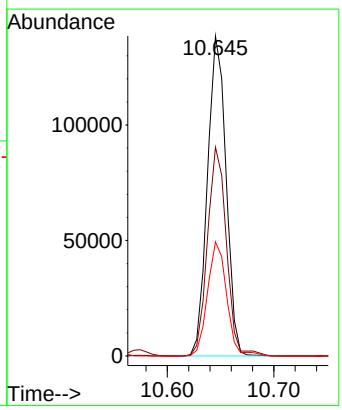


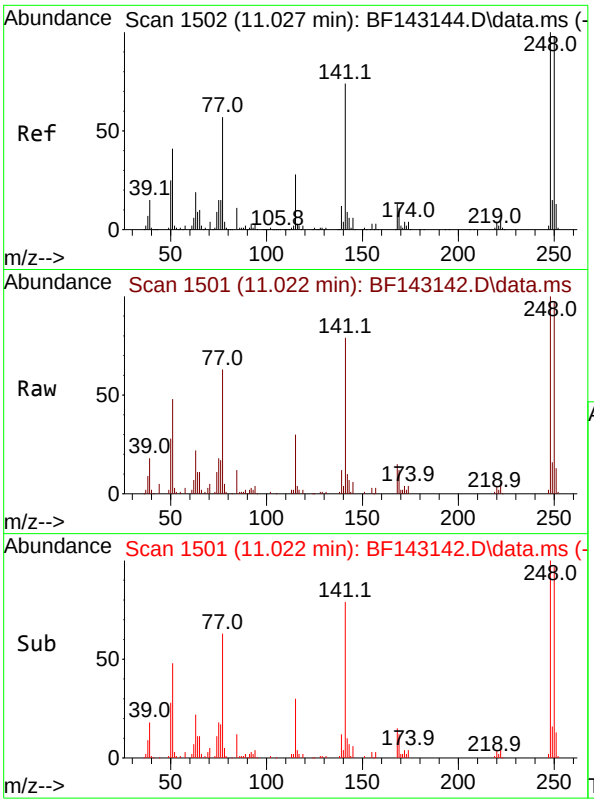


#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:169 Resp: 167901

Ion	Ratio	Lower	Upper
169	100		
168	65.2	52.1	78.1
167	35.6	28.2	42.2



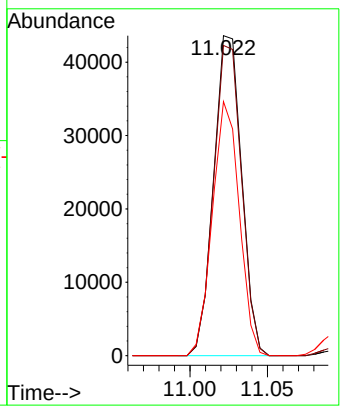


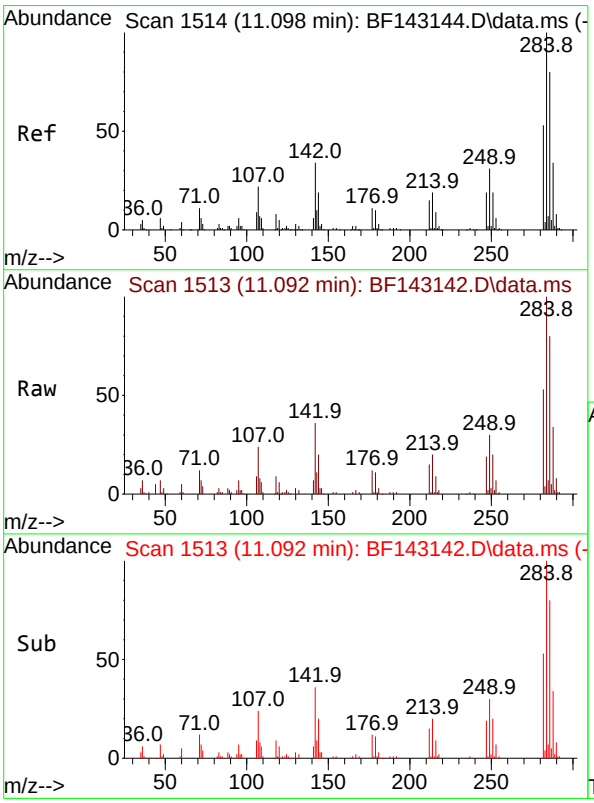
#67
4-Bromophenyl-phenylether
Concen: 9.978 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 54849

Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.3	117.5
141	79.4	59.2	88.8

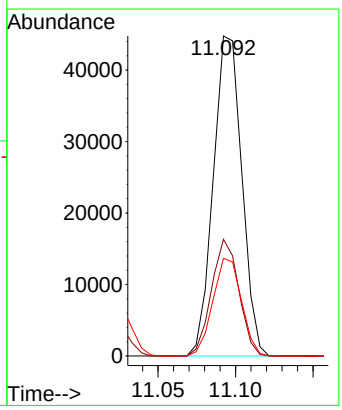


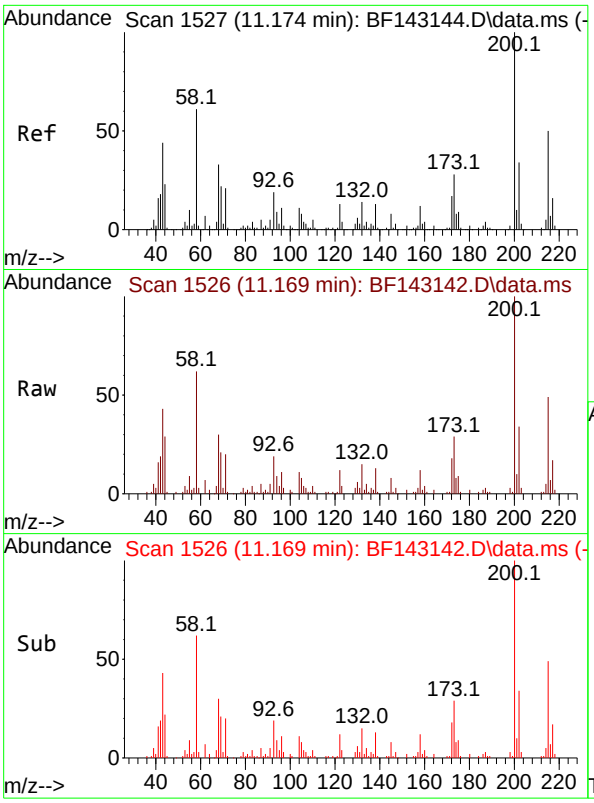


#68
Hexachlorobenzene
Concen: 9.974 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:284 Resp: 57305

Ion	Ratio	Lower	Upper
284	100		
142	36.4	27.0	40.6
249	30.5	25.0	37.6



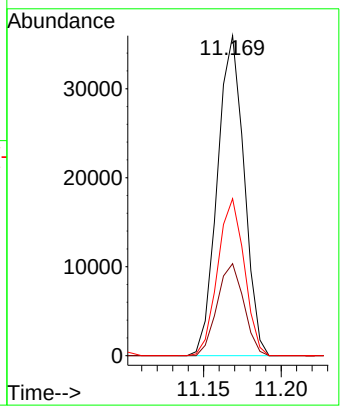


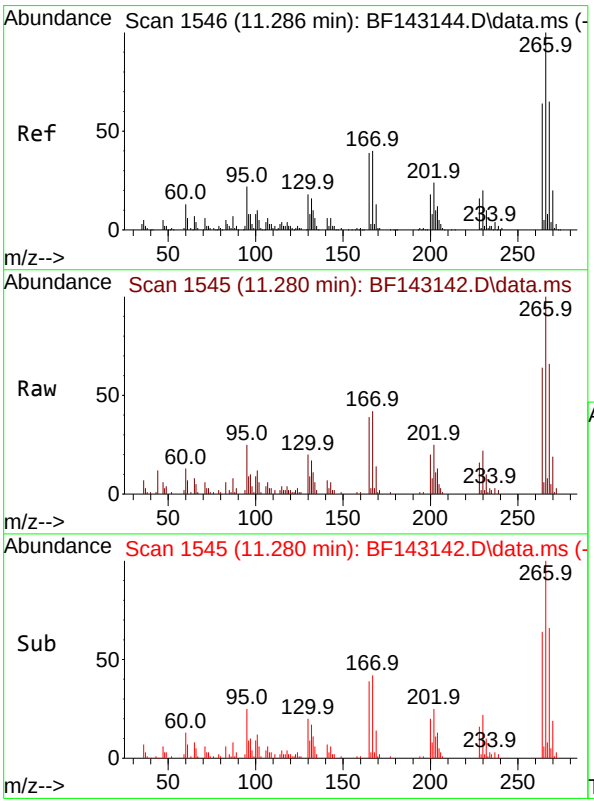
#69
Atrazine
Concen: 9.613 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 43045

Ion	Ratio	Lower	Upper
200	100		
173	28.7	7.9	47.9
215	49.1	30.1	70.1

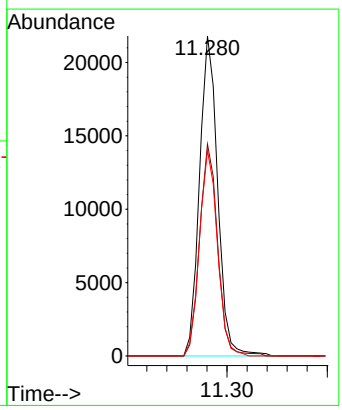


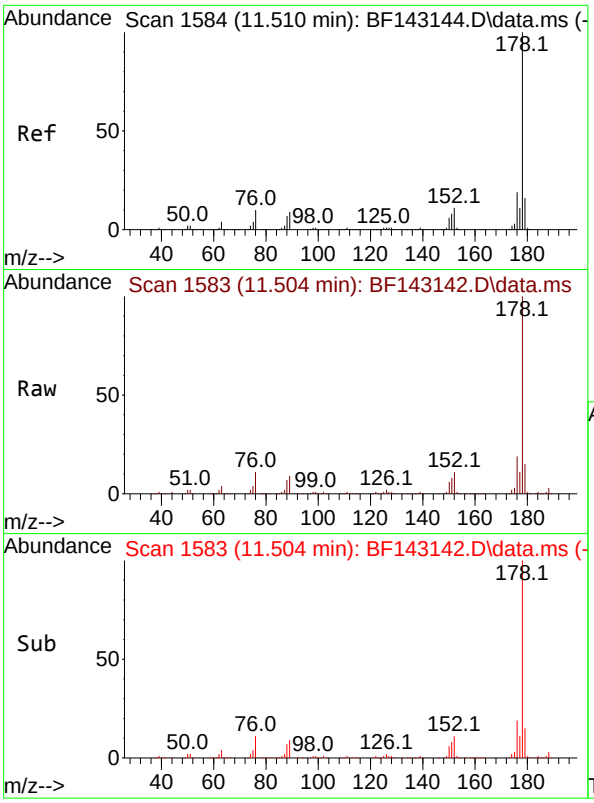


#70
Pentachlorophenol
Concen: 8.148 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:266 Resp: 27529

Ion	Ratio	Lower	Upper
266	100		
268	66.2	51.9	77.9
264	64.3	51.0	76.6



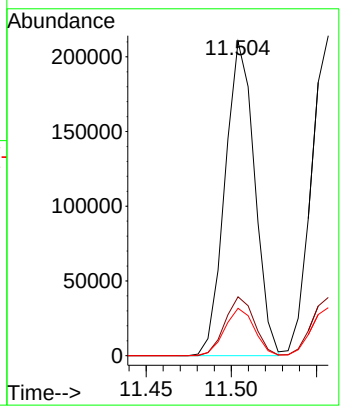


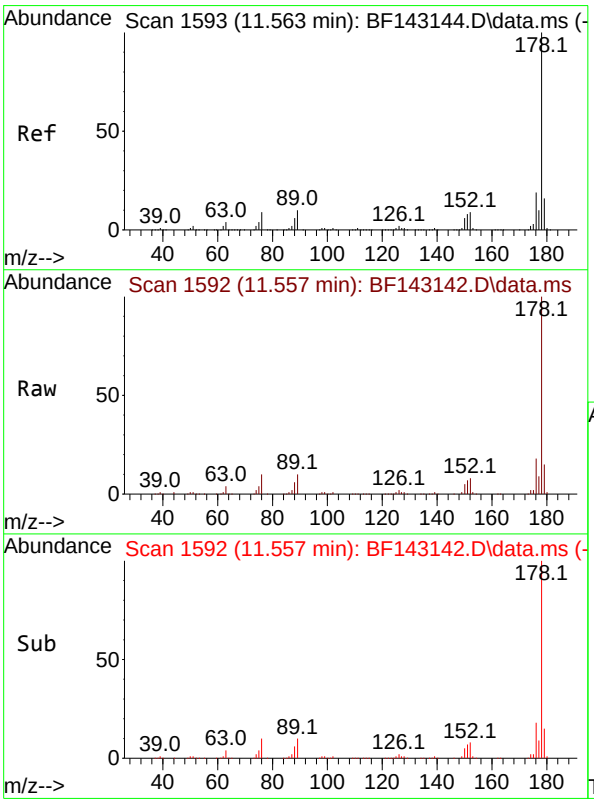
#71
Phenanthrene
Concen: 10.361 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 253750

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.1	12.5	18.7

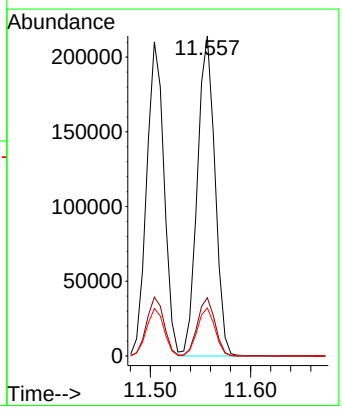


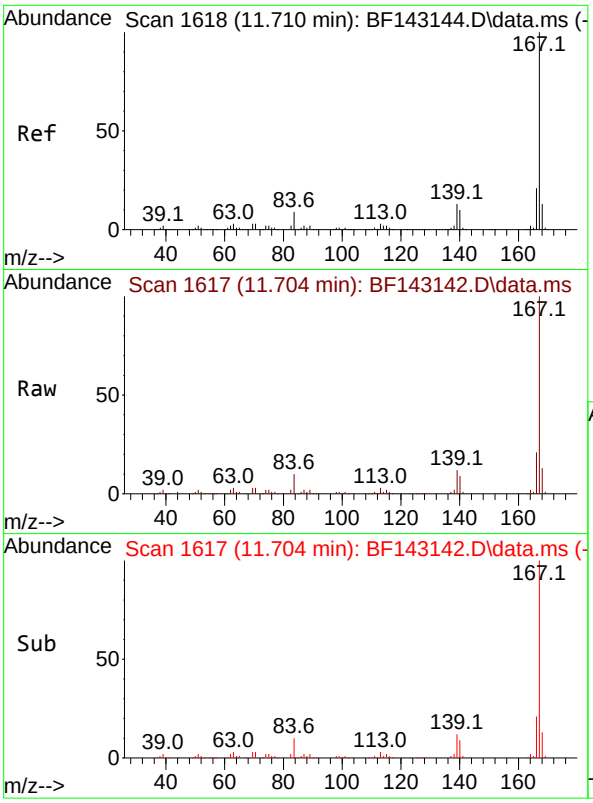


#72
Anthracene
Concen: 10.487 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:178 Resp: 261960

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.4
179	15.0	12.5	18.7



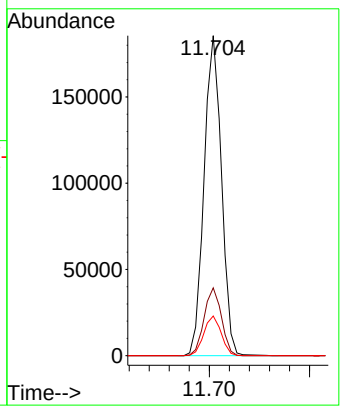


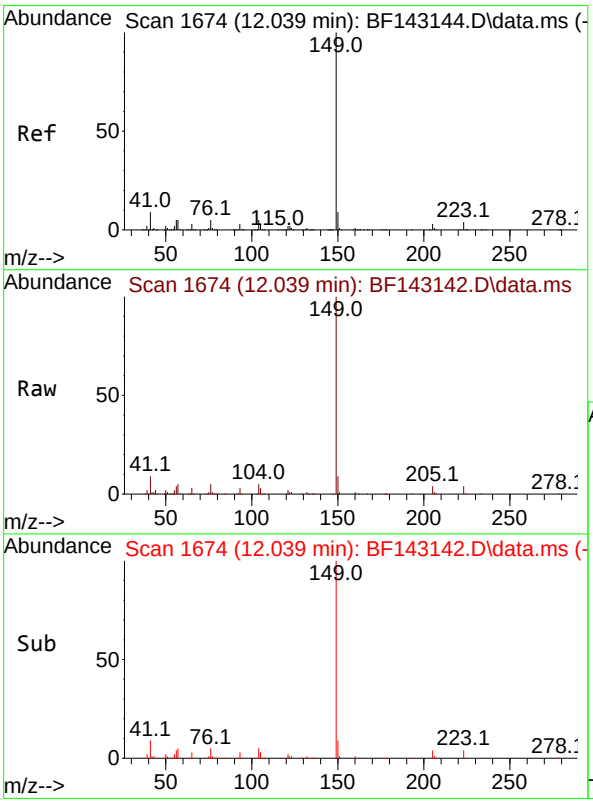
#73
Carbazole
Concen: 10.241 ng
RT: 11.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 223376

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.4	10.0	15.0

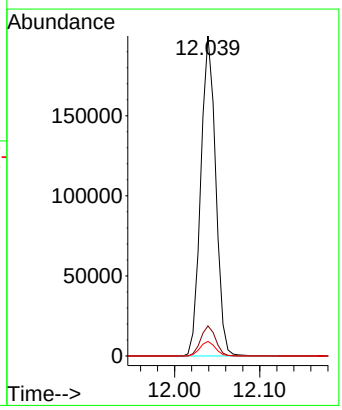


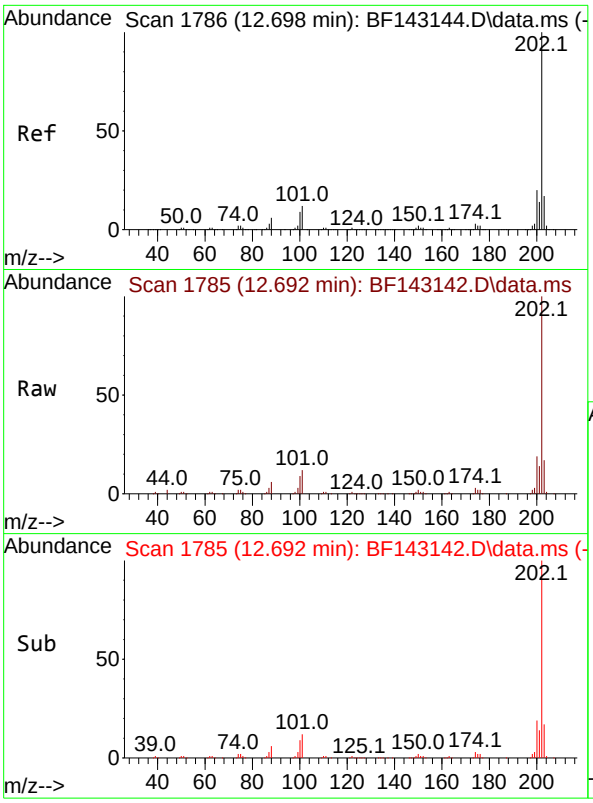


#74
Di-n-butylphthalate
Concen: 9.852 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 243142

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.6	3.8	5.8



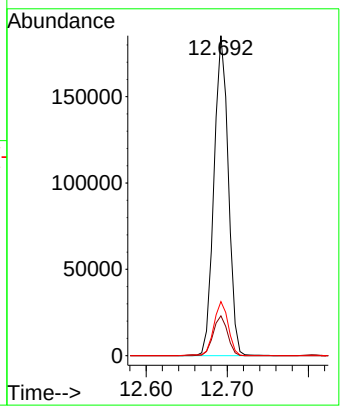


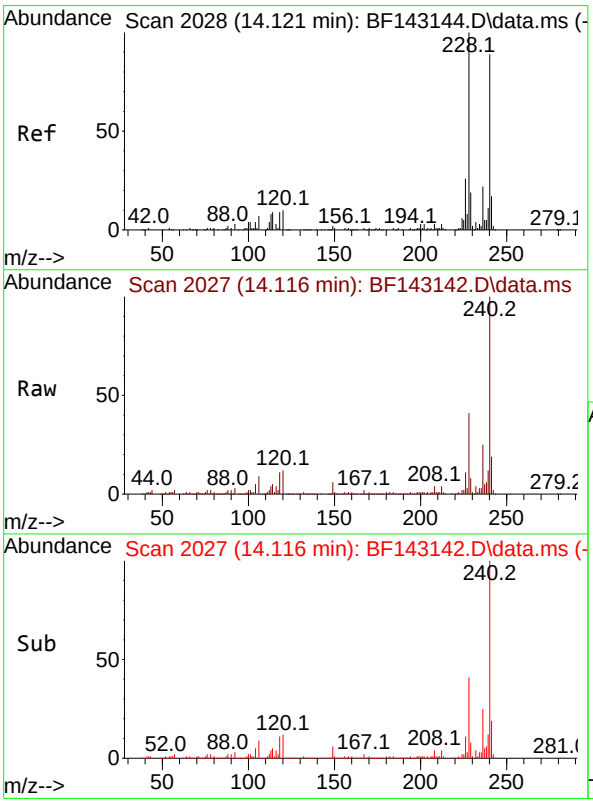
#75
Fluoranthene
Concen: 10.129 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 227701

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.7
203	16.9	0.0	37.4

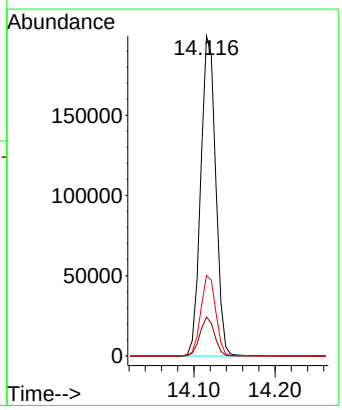


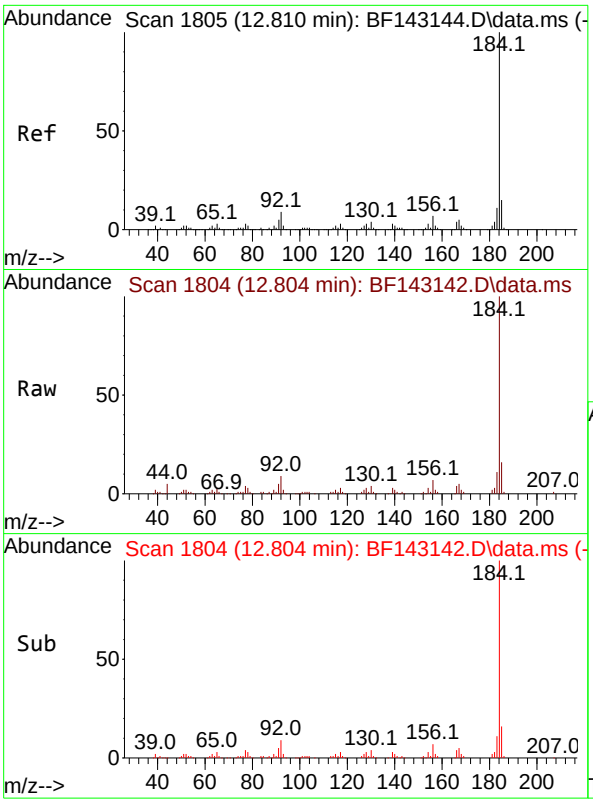


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:240 Resp: 254650

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.4	14.2
236	25.1	20.2	30.4



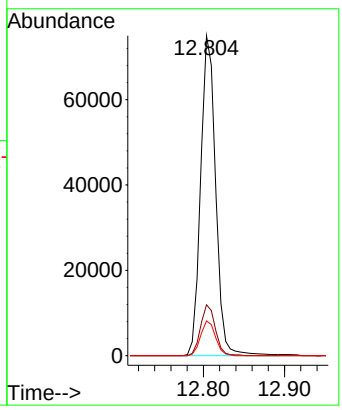


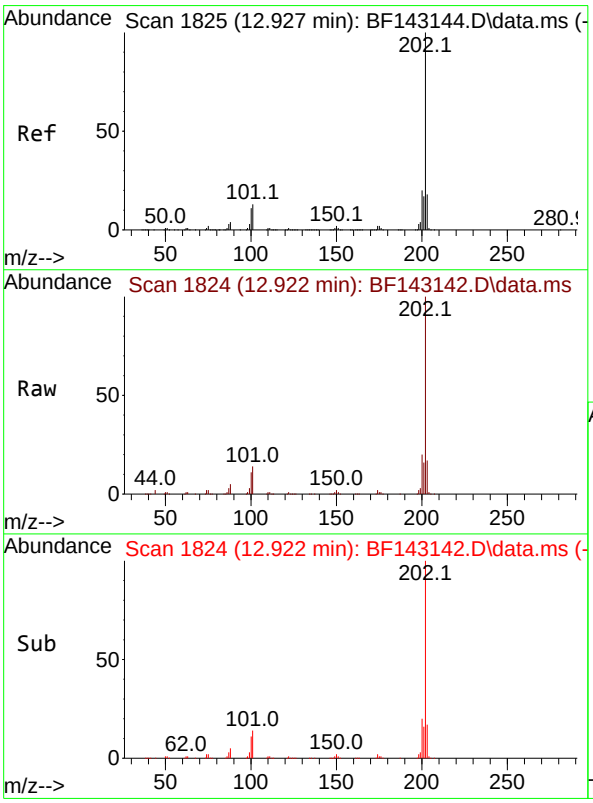
#77
Benzidine
Concen: 9.834 ng
RT: 12.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 96484

Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.2	18.4
183	10.9	9.0	13.4

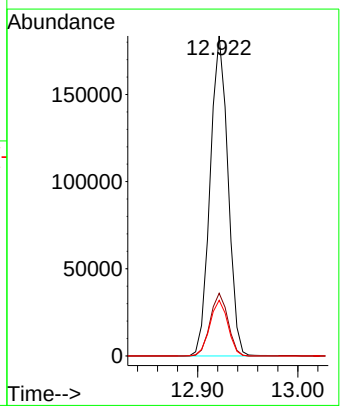


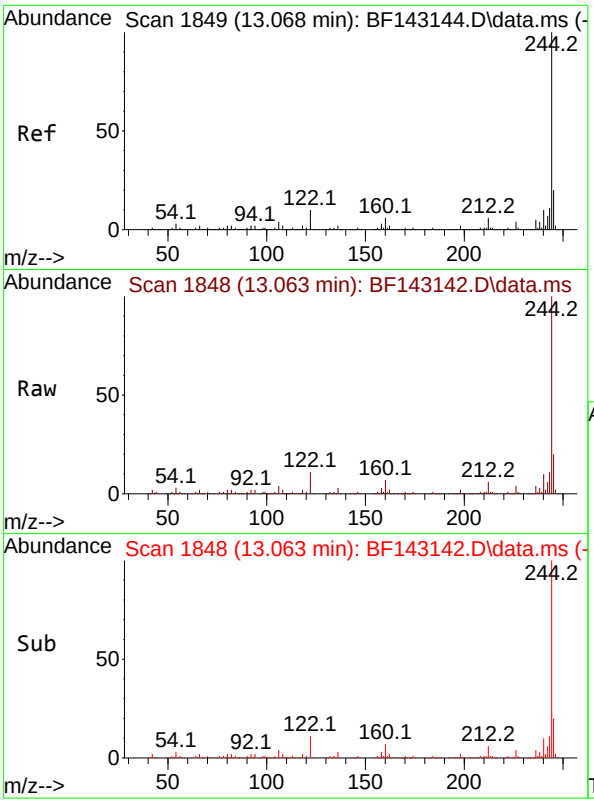


#78
Pyrene
Concen: 10.445 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:202 Resp: 227008

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.4	14.2	21.2



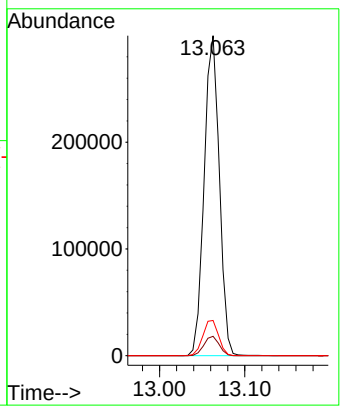


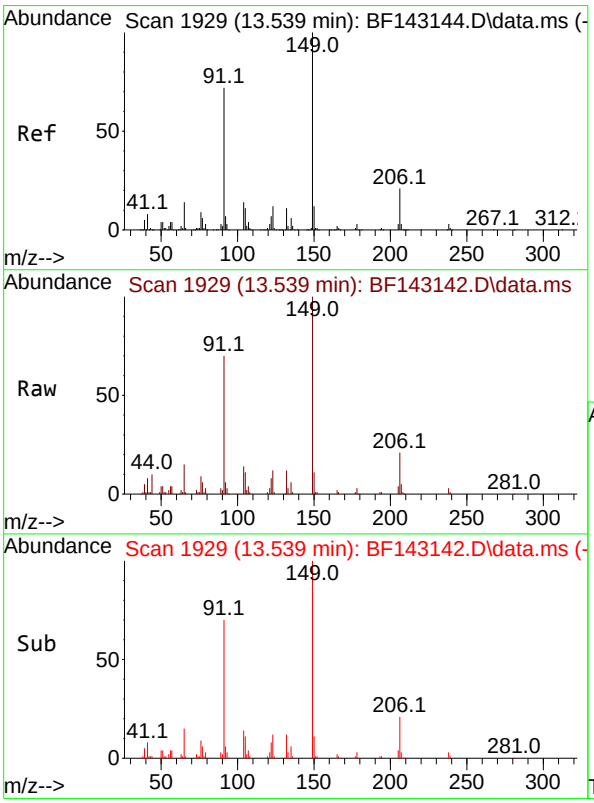
#79
Terphenyl-d14
Concen: 21.669 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 370808

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.2	7.8
122	11.0	8.2	12.2

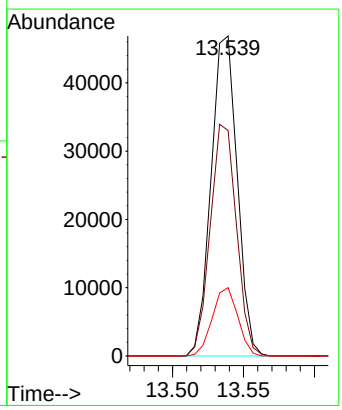


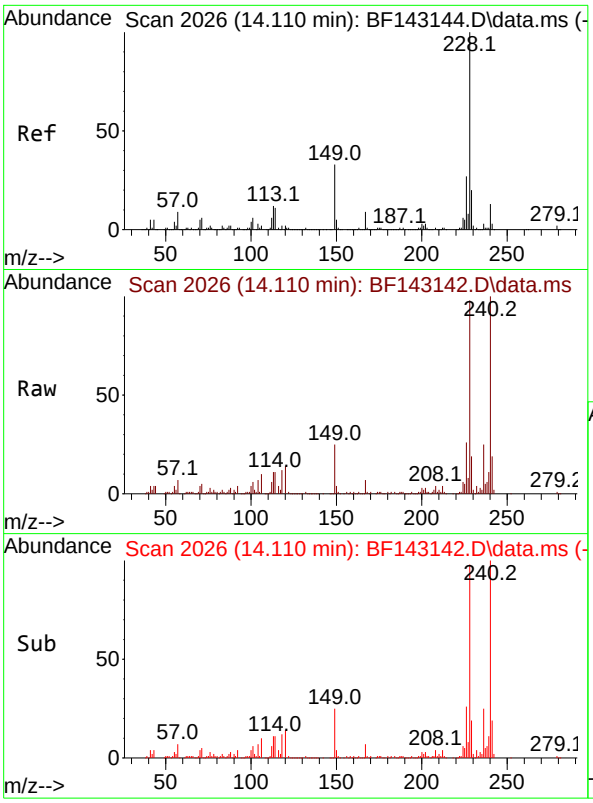


#80
Butylbenzylphthalate
Concen: 9.024 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 60055

Ion	Ratio	Lower	Upper
149	100		
91	70.4	57.9	86.9
206	21.3	17.0	25.4



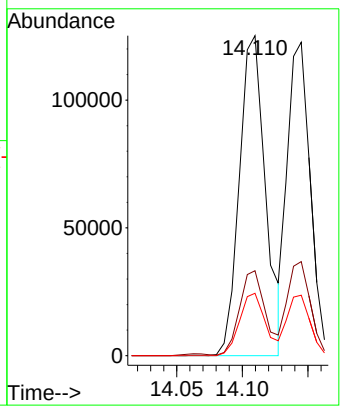


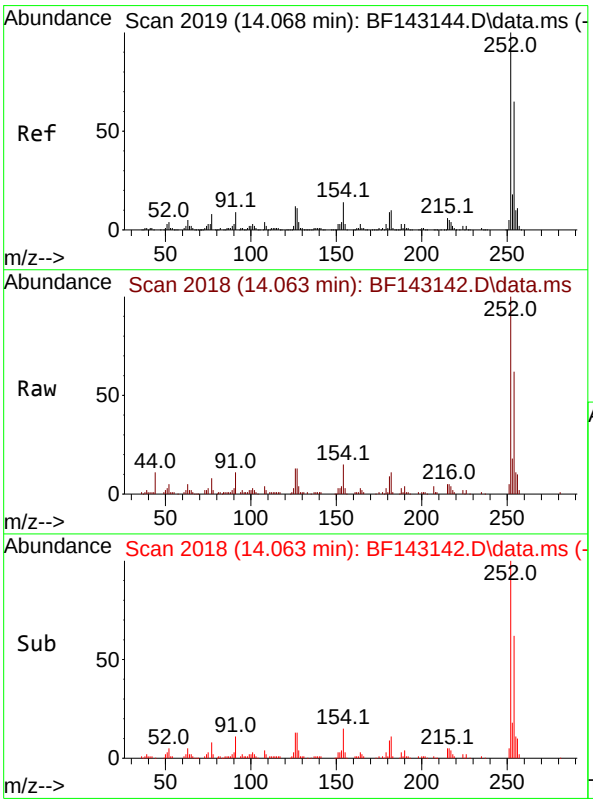
#81
Benzo(a)anthracene
Concen: 10.207 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 174020

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.8	23.6

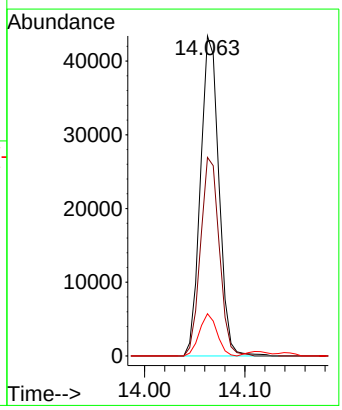


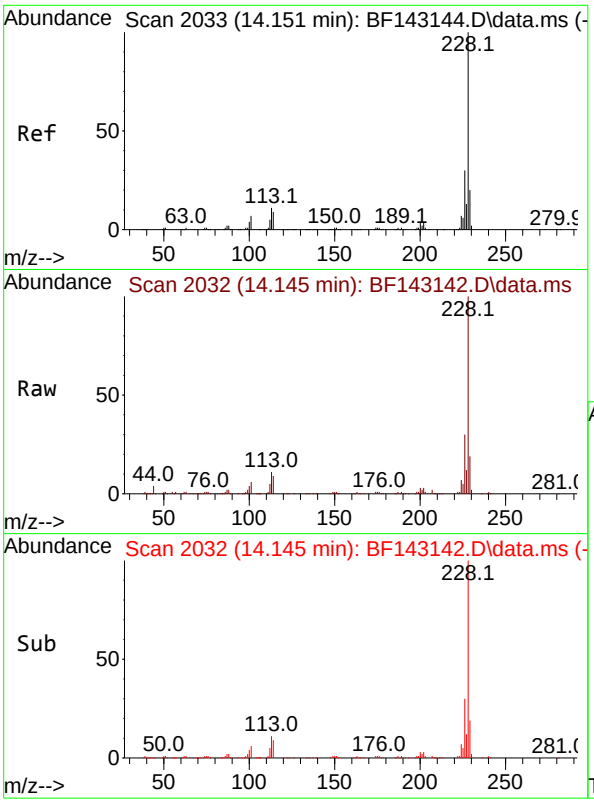


#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 55694

Ion	Ratio	Lower	Upper
252	100		
254	62.0	51.7	77.5
126	13.2	9.4	14.0



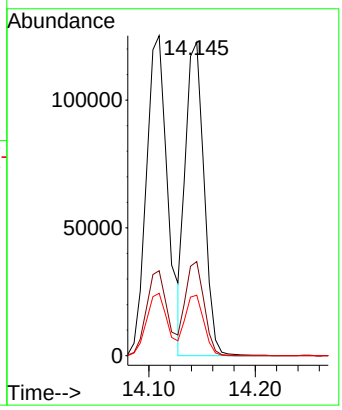


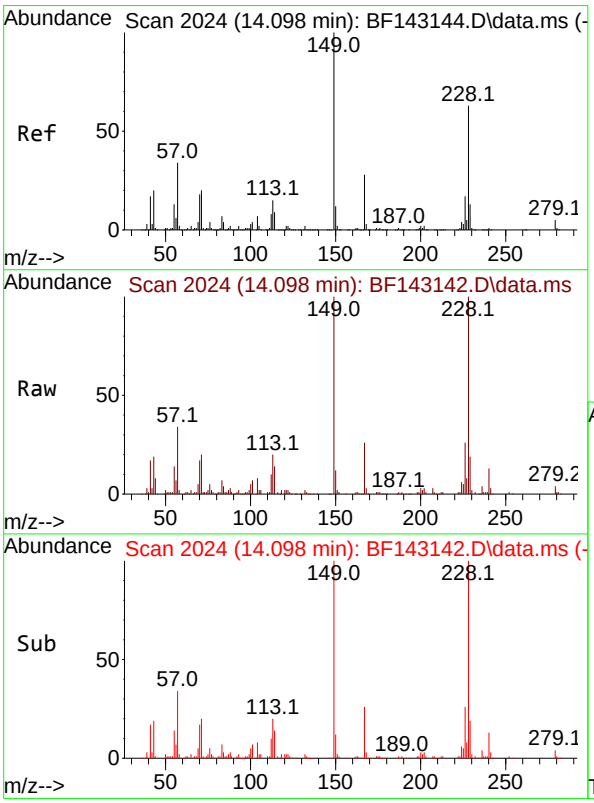
#83
Chrysene
Concen: 9.750 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 149446

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	19.3	15.6	23.4

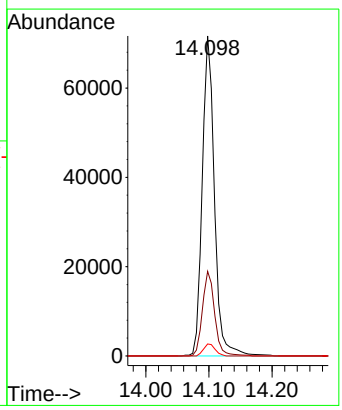


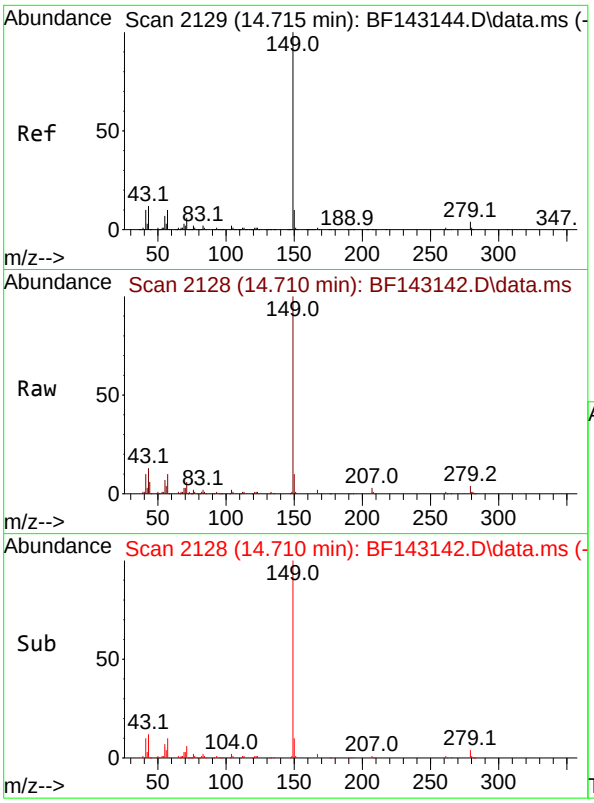


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.549 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:149 Resp: 96191

Ion	Ratio	Lower	Upper
149	100		
167	26.5	22.3	33.5
279	3.7	3.6	5.4



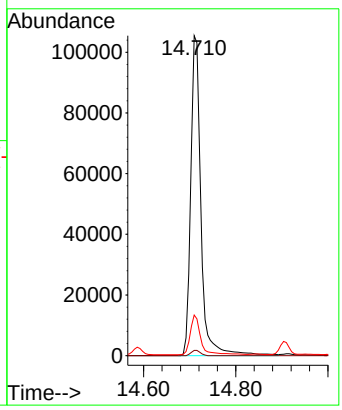


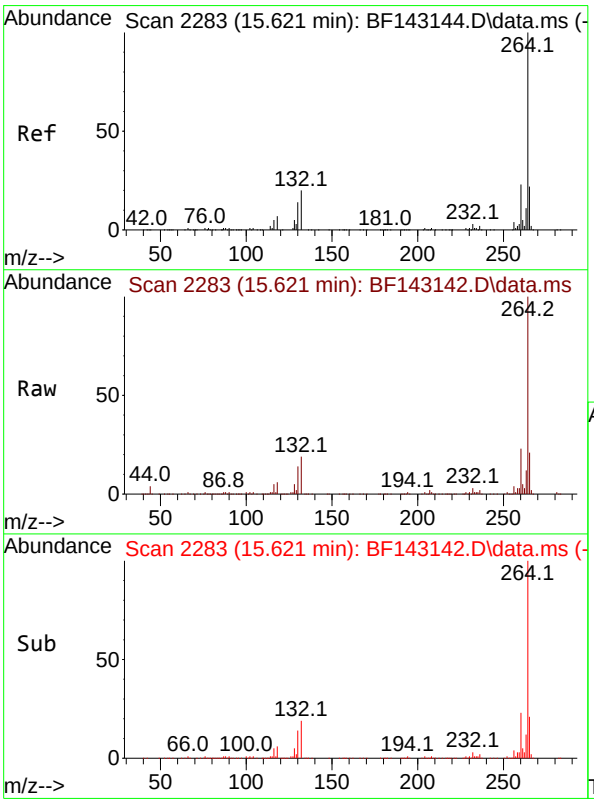
#85
Di-n-octyl phthalate
Concen: 8.881 ng
RT: 14.710 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 162156

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.7	9.7	14.5

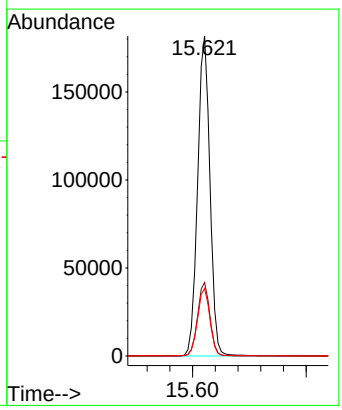


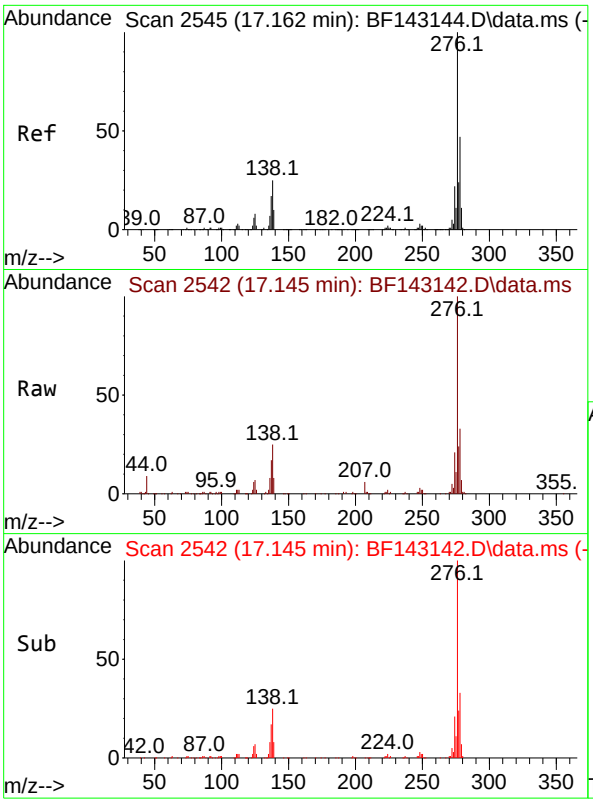


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:264 Resp: 273706

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.5	27.7
265	21.1	17.4	26.2



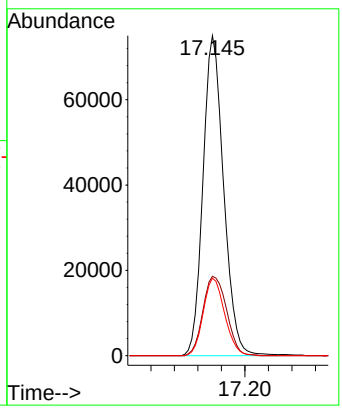


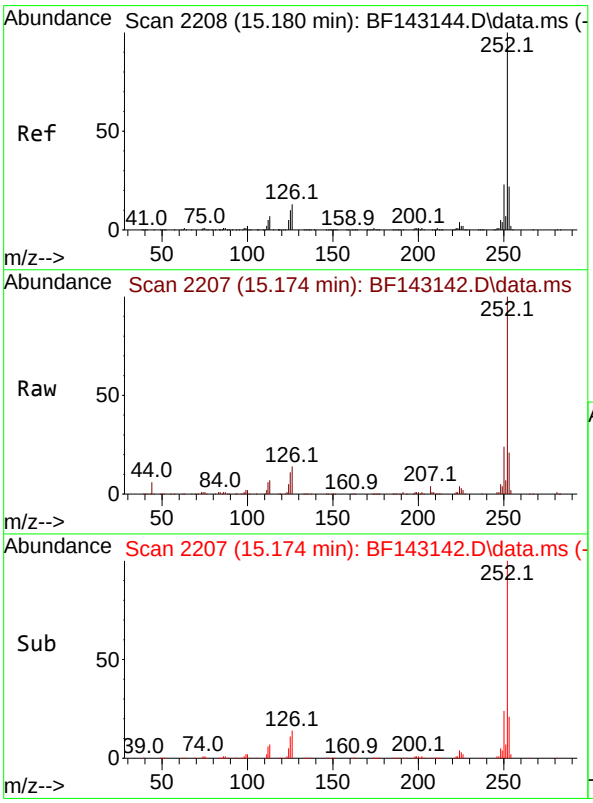
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.475 ng
RT: 17.145 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 182869

Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.6
277	25.1	20.0	30.0

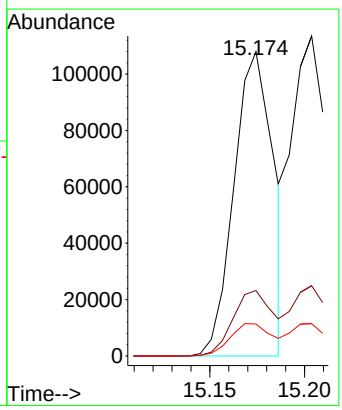


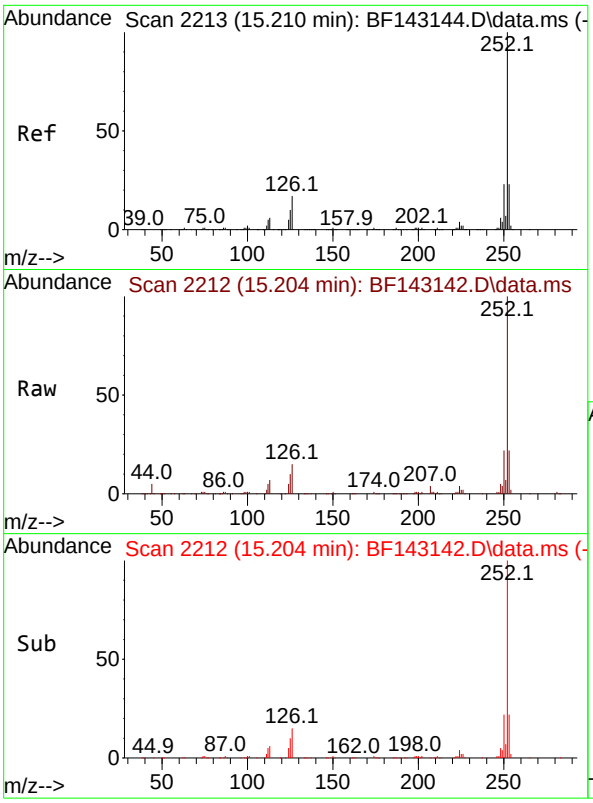


#88
Benzo(b)fluoranthene
Concen: 9.296 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 155430

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.5	26.3
125	10.5	8.0	12.0



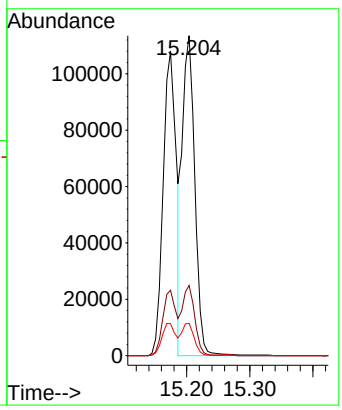


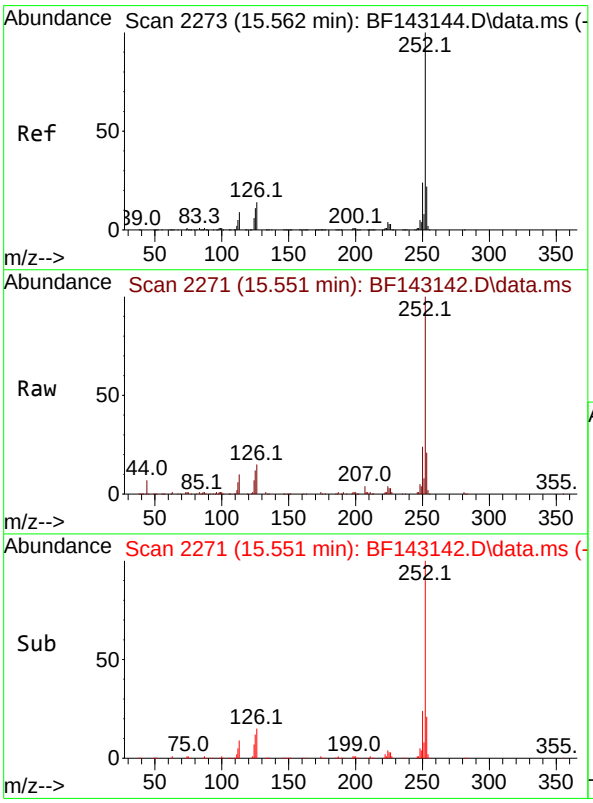
#89
Benzo(k)fluoranthene
Concen: 10.567 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 157663

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.1	8.1	12.1

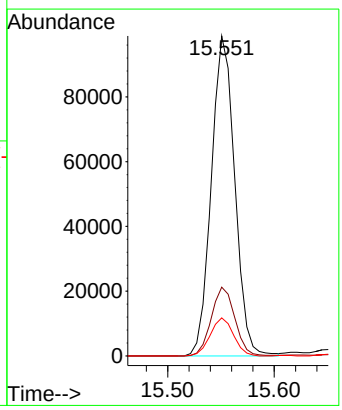


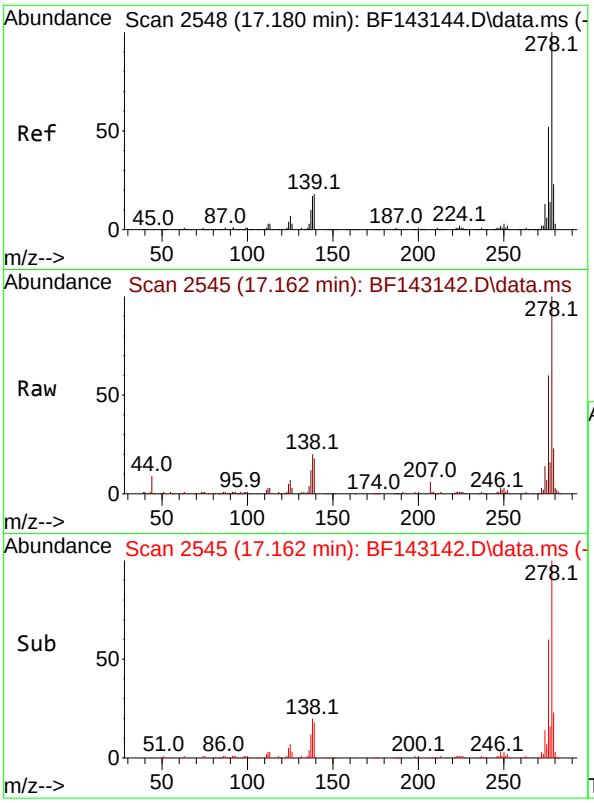


#90
Benzo(a)pyrene
Concen: 9.792 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:252 Resp: 150853

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.3	25.9
125	11.9	8.6	13.0



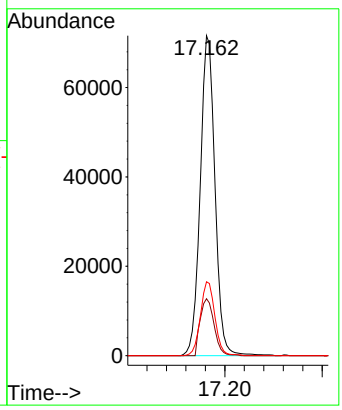


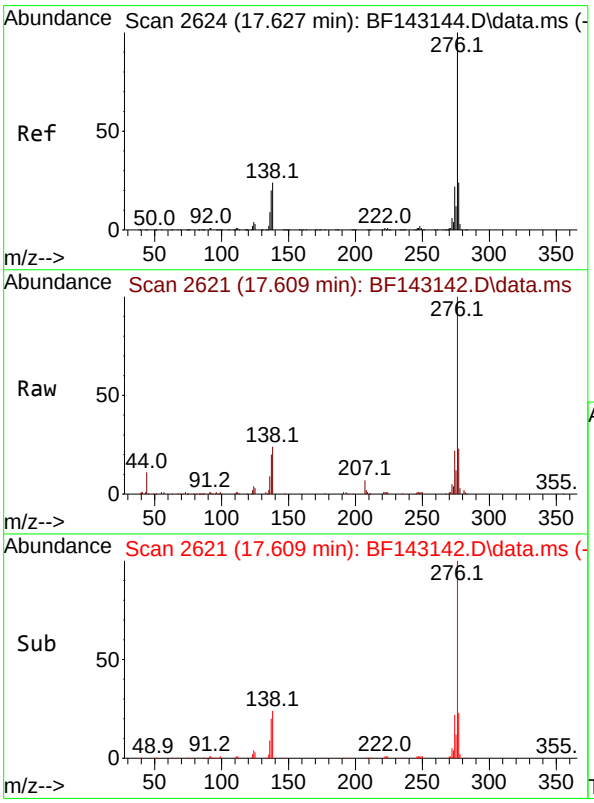
#91
Dibenzo(a,h)anthracene
Concen: 9.611 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 150977

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.1	21.1
279	23.1	18.6	28.0

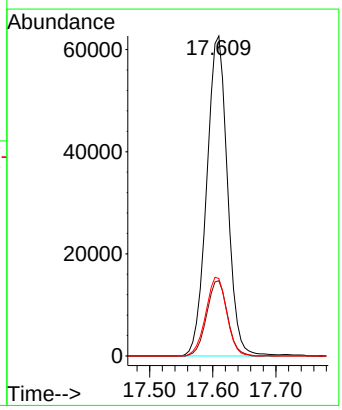




#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:276 Resp: 143342

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.1	28.7
138	24.2	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143143.D
Acq On : 17 Jul 2025 12:34
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	168491	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	642580	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	329670	20.000	ng		0.00
64) Phenanthrene-d10	11.480	188	532921	20.000	ng		0.00
76) Chrysene-d12	14.121	240	305398	20.000	ng		0.00
86) Perylene-d12	15.621	264	338518	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.581	112	444546	41.752	ng		0.00
7) Phenol-d6	6.575	99	558427	41.668	ng		-0.01
23) Nitrobenzene-d5	7.516	82	554482	43.013	ng		0.00
42) 2,4,6-Tribromophenol	10.780	330	139748	41.034	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1019688	42.301	ng		0.00
79) Terphenyl-d14	13.063	244	866830	42.238	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.810	88	103481	20.540	ng		99
3) Pyridine	3.581	79	261405	19.990	ng		99
4) n-Nitrosodimethylamine	3.510	42	134638	19.942	ng		99
6) Aniline	6.622	93	382991	20.505	ng		99
8) 2-Chlorophenol	6.745	128	231044	20.702	ng		98
9) Benzaldehyde	6.510	77	196003	19.504	ng		98
10) Phenol	6.593	94	322193	22.068	ng		97
11) bis(2-Chloroethyl)ether	6.692	93	232425	20.792	ng		98
12) 1,3-Dichlorobenzene	6.904	146	251734	20.763	ng		99
13) 1,4-Dichlorobenzene	6.981	146	253137	20.733	ng		100
14) 1,2-Dichlorobenzene	7.134	146	243437	20.963	ng		99
15) Benzyl Alcohol	7.092	79	210016	20.524	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	428827	20.680	ng		100
17) 2-Methylphenol	7.198	107	192172	20.479	ng		99
18) Hexachloroethane	7.481	117	88036	20.828	ng		98
19) n-Nitroso-di-n-propyla...	7.363	70	173142	20.137	ng		97
20) 3+4-Methylphenols	7.351	107	247578	21.745	ng		96
22) Acetophenone	7.363	105	321774	21.151	ng	#	99
24) Nitrobenzene	7.534	77	249251	20.739	ng		98
25) Isophorone	7.775	82	457146	20.088	ng		99
26) 2-Nitrophenol	7.851	139	105681	20.261	ng		98
27) 2,4-Dimethylphenol	7.887	122	218960	20.594	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	283946	20.811	ng		100
29) 2,4-Dichlorophenol	8.092	162	184432	20.569	ng		99
30) 1,2,4-Trichlorobenzene	8.181	180	204103	21.070	ng		98
31) Naphthalene	8.263	128	662968	20.949	ng		100
32) Benzoic acid	7.957	122	90732	18.667	ng		98
33) 4-Chloroaniline	8.304	127	269101	20.825	ng		99
34) Hexachlorobutadiene	8.386	225	122624	20.722	ng		98
35) Caprolactam	8.651	113	53950	19.911	ng		95
36) 4-Chloro-3-methylphenol	8.775	107	197317	20.246	ng		99
37) 2-Methylnaphthalene	8.957	142	403298	20.943	ng		100
38) 1-Methylnaphthalene	9.057	142	417629	21.060	ng		100
40) 1,2,4,5-Tetrachloroben...	9.122	216	198009	20.804	ng		99
41) Hexachlorocyclopentadiene	9.116	237	122922	19.848	ng		100
43) 2,4,6-Trichlorophenol	9.228	196	135703	20.601	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143143.D
Acq On : 17 Jul 2025 12:34
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

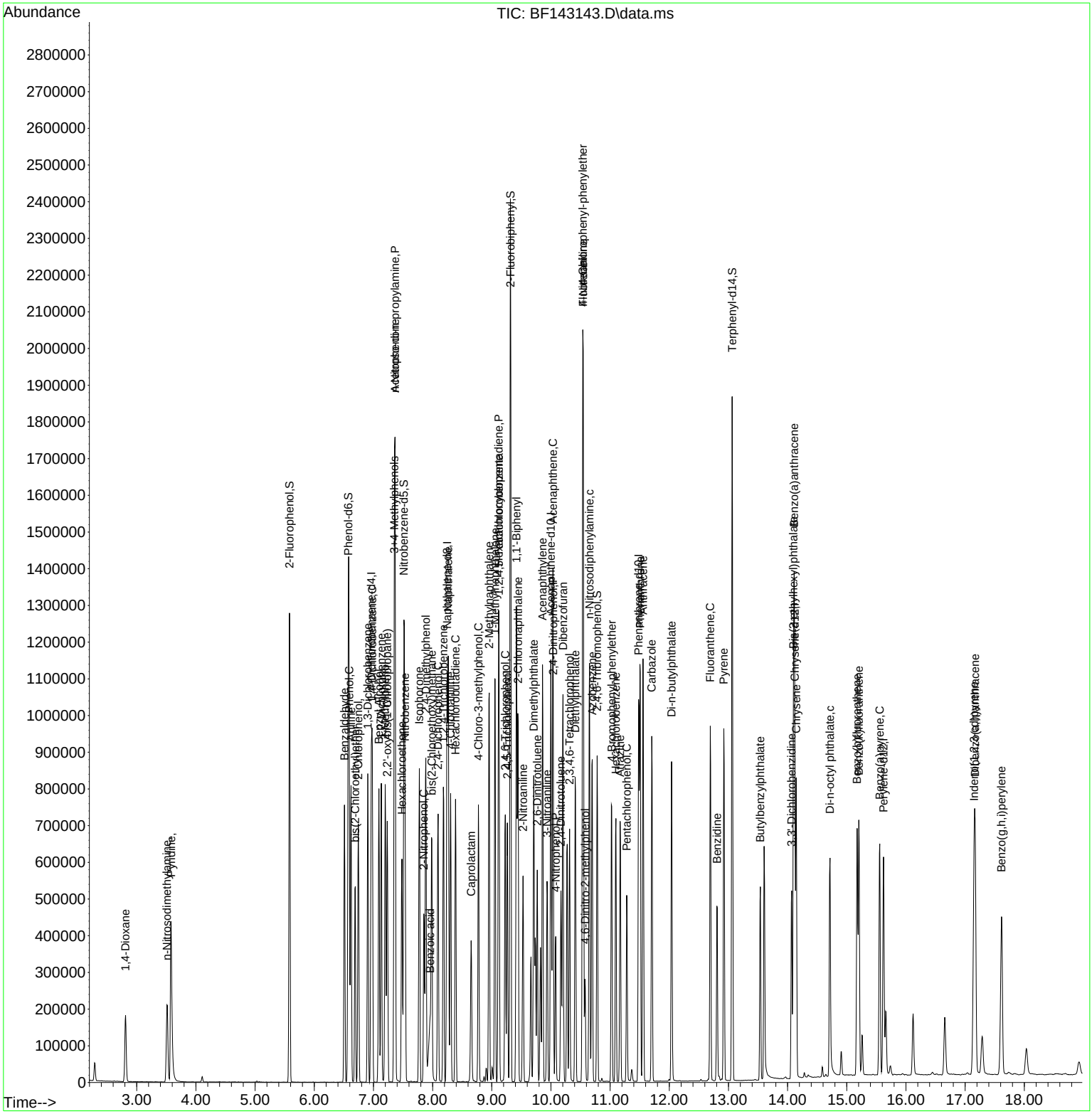
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	135634	20.584	ng		99
46) 1,1'-Biphenyl	9.416	154	540637	21.019	ng		100
47) 2-Chloronaphthalene	9.445	162	393002	20.650	ng		99
48) 2-Nitroaniline	9.528	65	122517	20.528	ng		99
49) Acenaphthylene	9.857	152	663048	20.789	ng		100
50) Dimethylphthalate	9.710	163	441768	20.558	ng		100
51) 2,6-Dinitrotoluene	9.769	165	89742	20.529	ng		97
52) Acenaphthene	10.033	154	390249	20.702	ng		99
53) 3-Nitroaniline	9.933	138	103870	20.314	ng		94
54) 2,4-Dinitrophenol	10.039	184	26820	19.073	ng	#	1
55) Dibenzofuran	10.204	168	582320	20.806	ng		98
56) 4-Nitrophenol	10.081	139	75275	19.715	ng		99
57) 2,4-Dinitrotoluene	10.169	165	112851	20.577	ng		99
58) Fluorene	10.545	166	435866	20.750	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	113851	20.859	ng		100
60) Diethylphthalate	10.410	149	440058	20.719	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	216496	20.699	ng		99
62) 4-Nitroaniline	10.545	138	87666	20.005	ng		99
63) Azobenzene	10.698	77	458013	20.690	ng		99
65) 4,6-Dinitro-2-methylph...	10.580	198	46122	20.060	ng		95
66) n-Nitrosodiphenylamine	10.651	169	384467	20.488	ng		100
67) 4-Bromophenyl-phenylether	11.028	248	128663	20.259	ng		99
68) Hexachlorobenzene	11.098	284	134031	20.191	ng		99
69) Atrazine	11.169	200	105386	20.370	ng		99
70) Pentachlorophenol	11.280	266	77906	19.957	ng		99
71) Phenanthrene	11.510	178	595411	21.042	ng		99
72) Anthracene	11.557	178	604416	20.944	ng		99
73) Carbazole	11.704	167	523365	20.769	ng		100
74) Di-n-butylphthalate	12.039	149	601867	21.108	ng		100
75) Fluoranthene	12.692	202	542662	20.894	ng		99
77) Benzidine	12.810	184	257904	21.919	ng		99
78) Pyrene	12.922	202	544650	20.897	ng		99
80) Butylbenzylphthalate	13.539	149	163546	20.491	ng		99
81) Benzo(a)anthracene	14.110	228	421791	20.629	ng		99
82) 3,3'-Dichlorobenzidine	14.068	252	151153	22.181	ng		100
83) Chrysene	14.145	228	380799	20.714	ng		99
84) Bis(2-ethylhexyl)phtha...	14.098	149	251739	20.839	ng		99
85) Di-n-octyl phthalate	14.716	149	436102	19.916	ng		99
87) Indeno(1,2,3-cd)pyrene	17.151	276	484240	20.286	ng		99
88) Benzo(b)fluoranthene	15.174	252	435747	21.071	ng		99
89) Benzo(k)fluoranthene	15.204	252	369899	20.044	ng		100
90) Benzo(a)pyrene	15.557	252	388136	20.371	ng		99
91) Dibenzo(a,h)anthracene	17.168	278	398949	20.534	ng		99
92) Benzo(g,h,i)perylene	17.615	276	385915	20.534	ng		99

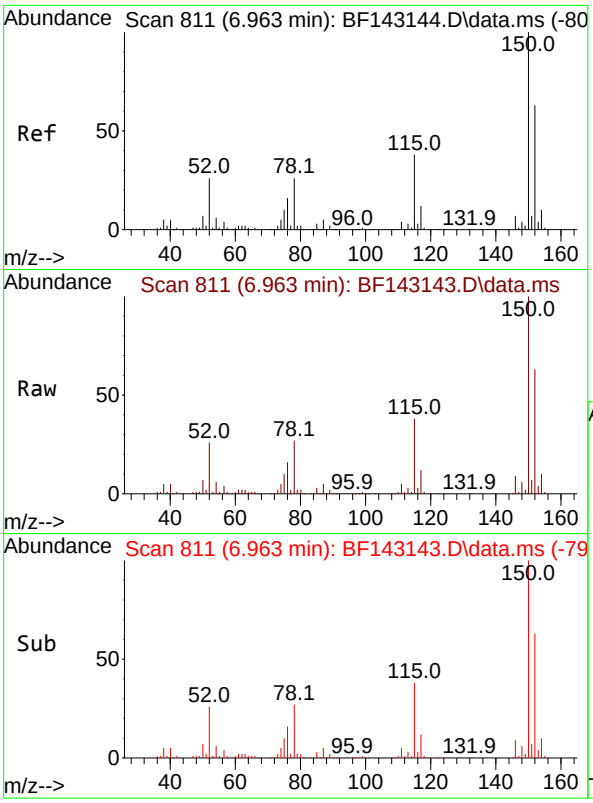
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143143.D
Acq On : 17 Jul 2025 12:34
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



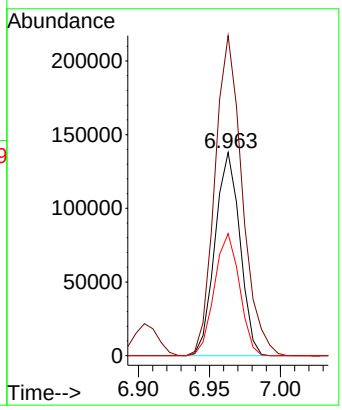


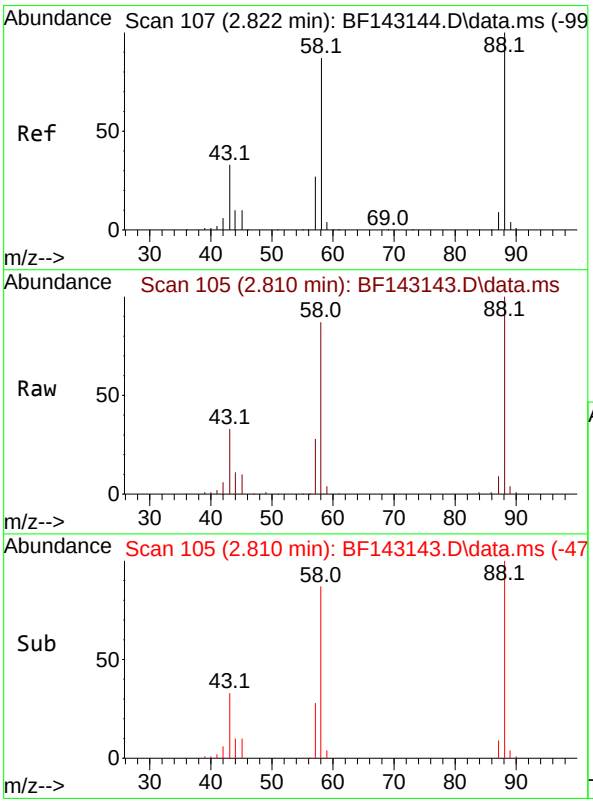
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 168491

Ion	Ratio	Lower	Upper
152	100		
150	157.5	128.2	192.4
115	60.1	47.9	71.9

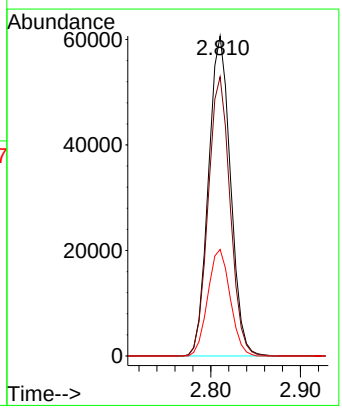


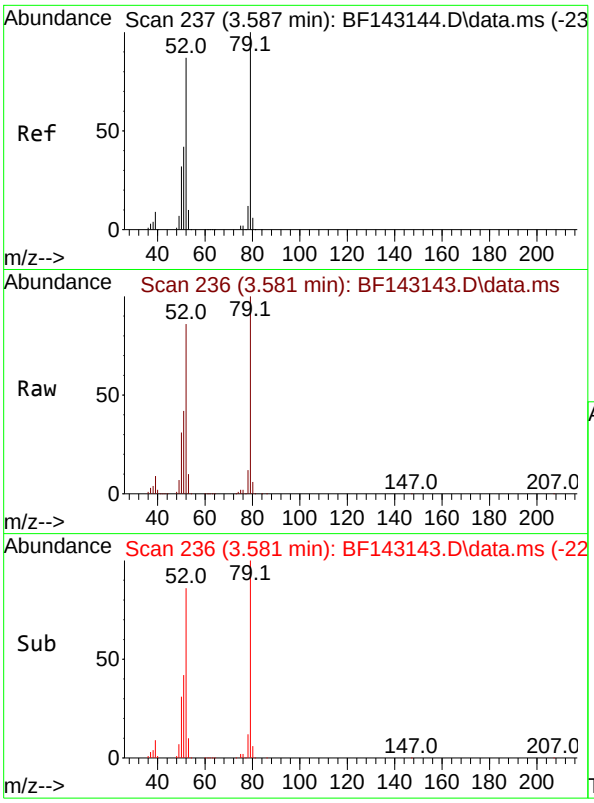


#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 88 Resp: 103481

Ion	Ratio	Lower	Upper
88	100		
58	86.7	70.2	105.2
43	33.8	27.1	40.7



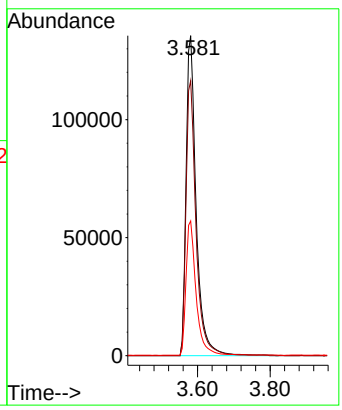


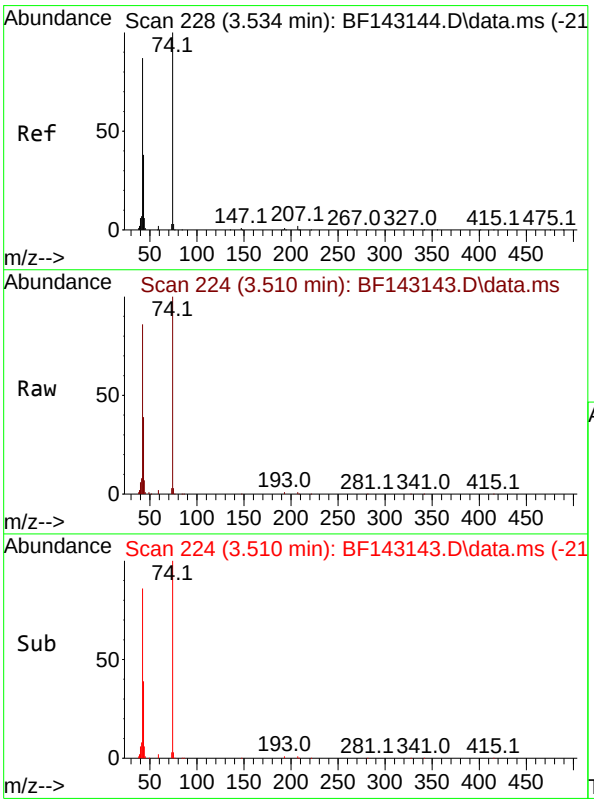
#3
Pyridine
Concen: 19.990 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 261405

Ion	Ratio	Lower	Upper
79	100		
52	85.9	69.4	104.2
51	42.1	33.5	50.3

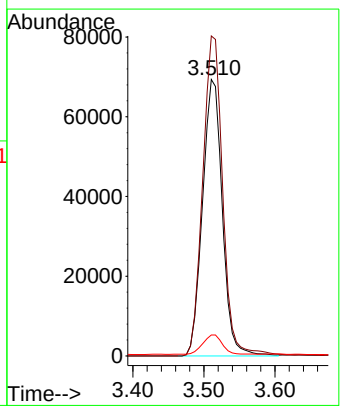


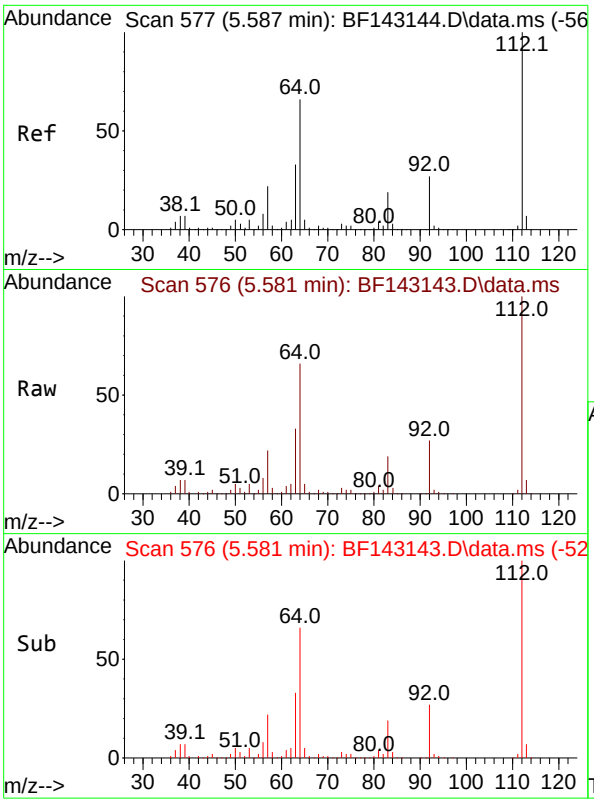


#4
n-Nitrosodimethylamine
Concen: 19.942 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 42 Resp: 134638

Ion	Ratio	Lower	Upper
42	100		
74	115.7	91.7	137.5
44	7.6	5.6	8.4



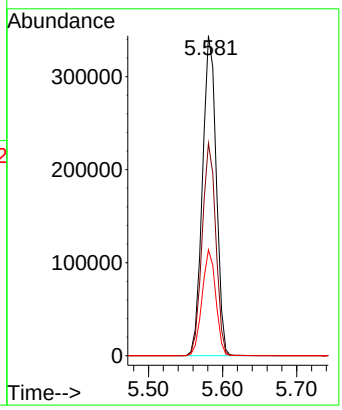


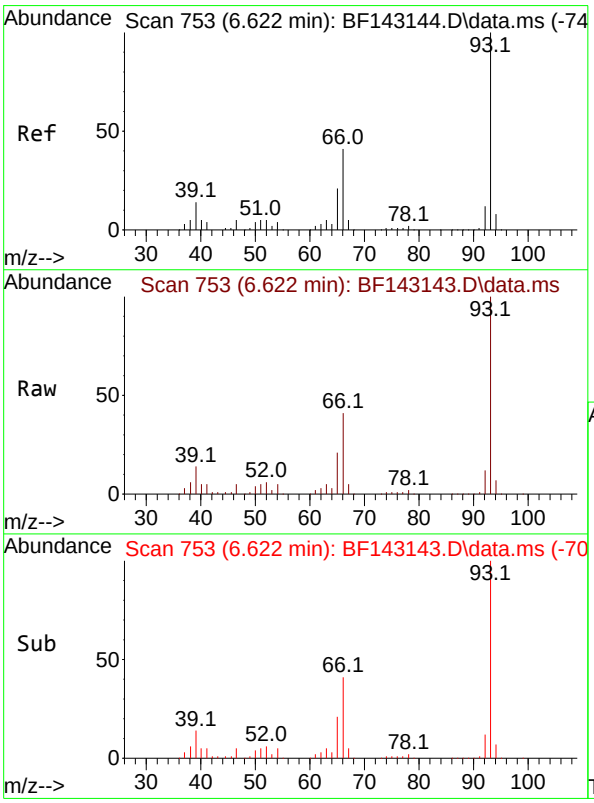
#5
2-Fluorophenol
Concen: 41.752 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 444546

Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.1	79.7
63	33.1	26.6	40.0

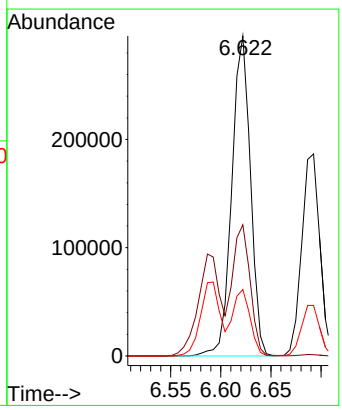


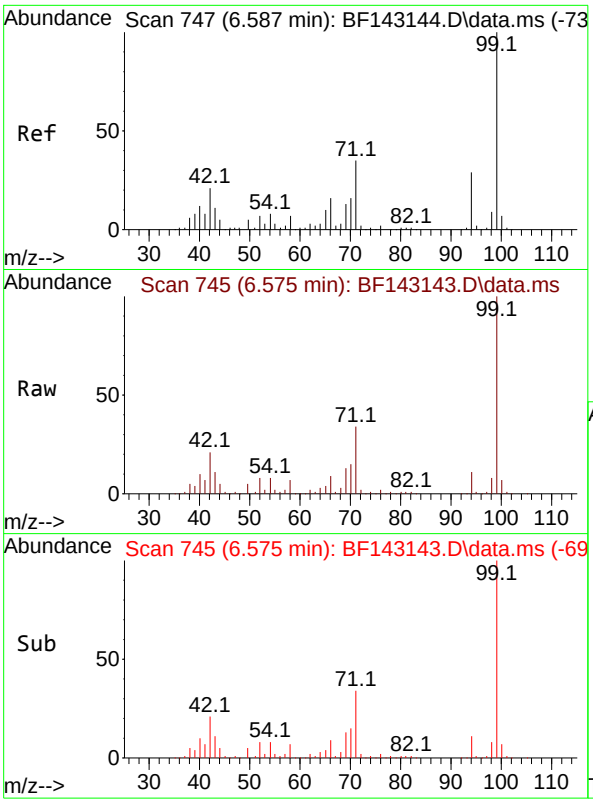


#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 93 Resp: 382991

Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.2	49.8
65	20.7	16.9	25.3



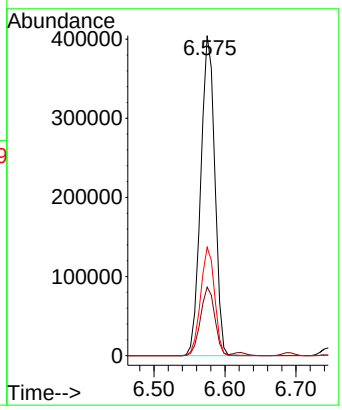


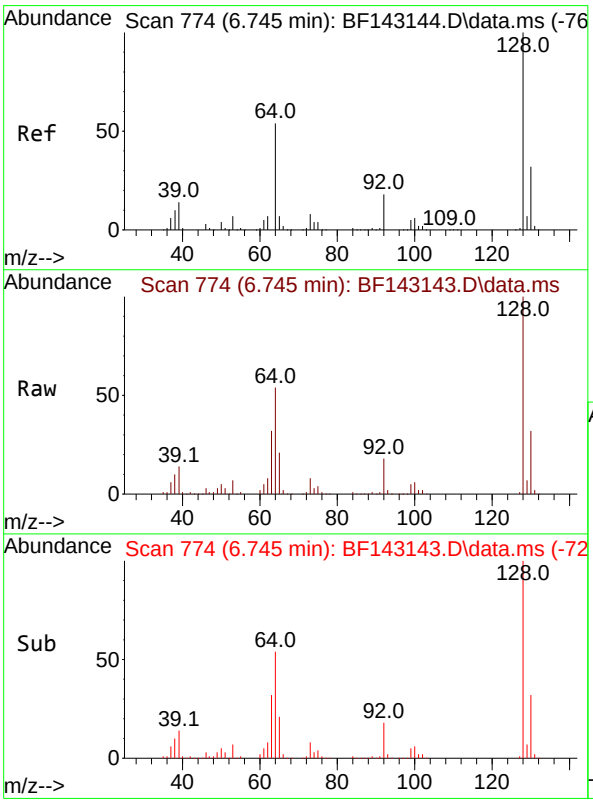
#7
Phenol-d6
Concen: 41.668 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 558427

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	33.9	27.7	41.5

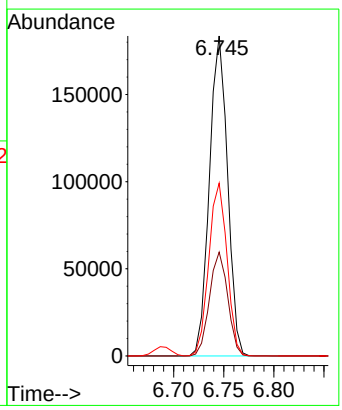


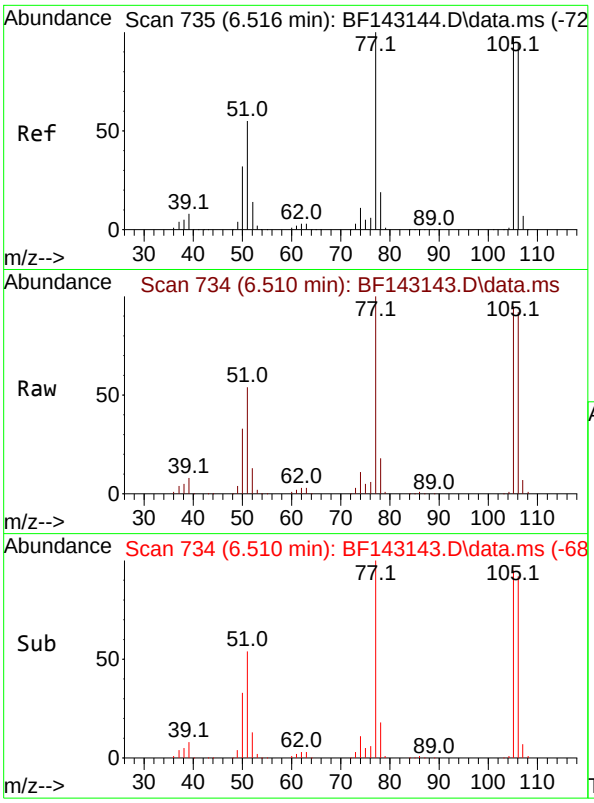


#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:128 Resp: 231044

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	54.0	35.9	75.9



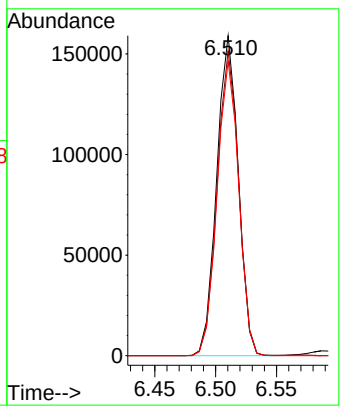


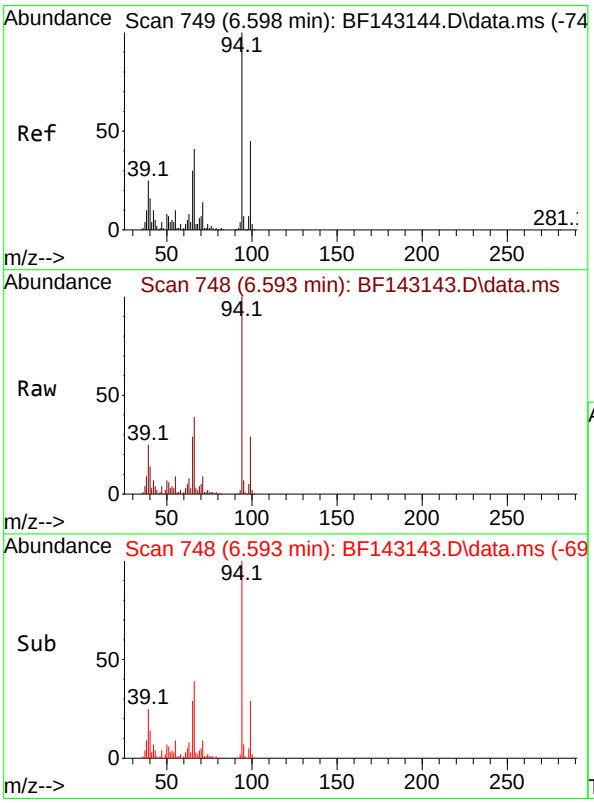
#9
Benzaldehyde
Concen: 19.504 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 196003

Ion	Ratio	Lower	Upper
77	100		
105	95.3	76.8	116.8
106	92.0	74.4	114.4

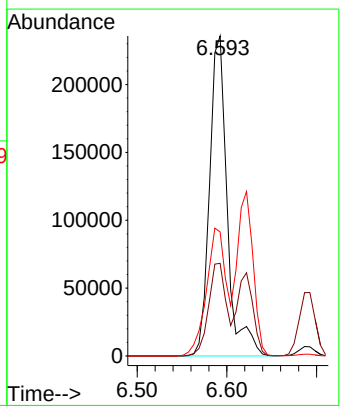


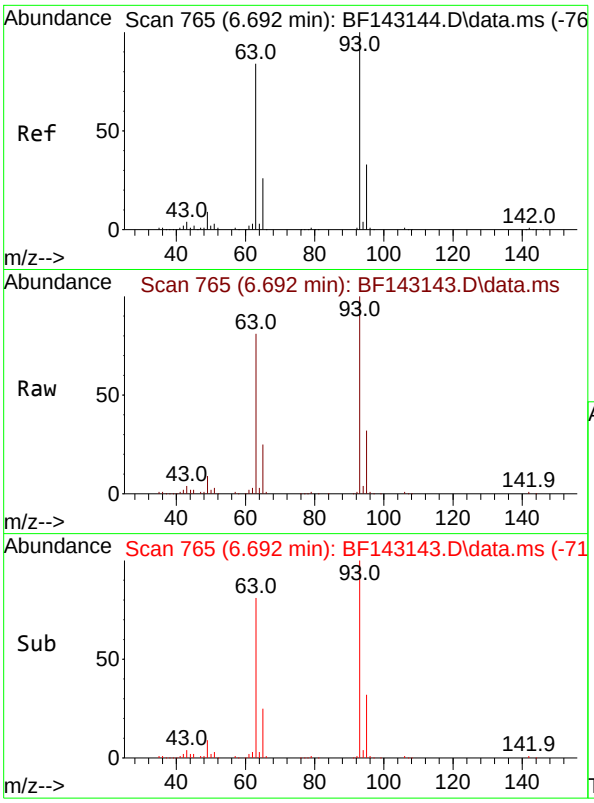


#10
Phenol
Concen: 22.068 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 94 Resp: 322193

Ion	Ratio	Lower	Upper
94	100		
65	29.0	10.0	50.0
66	38.8	20.8	60.8



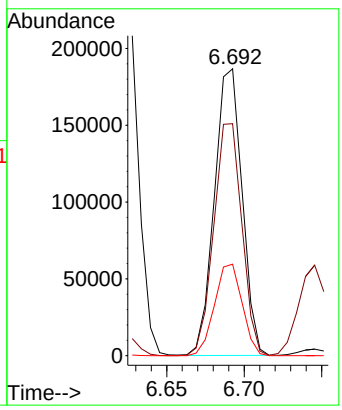


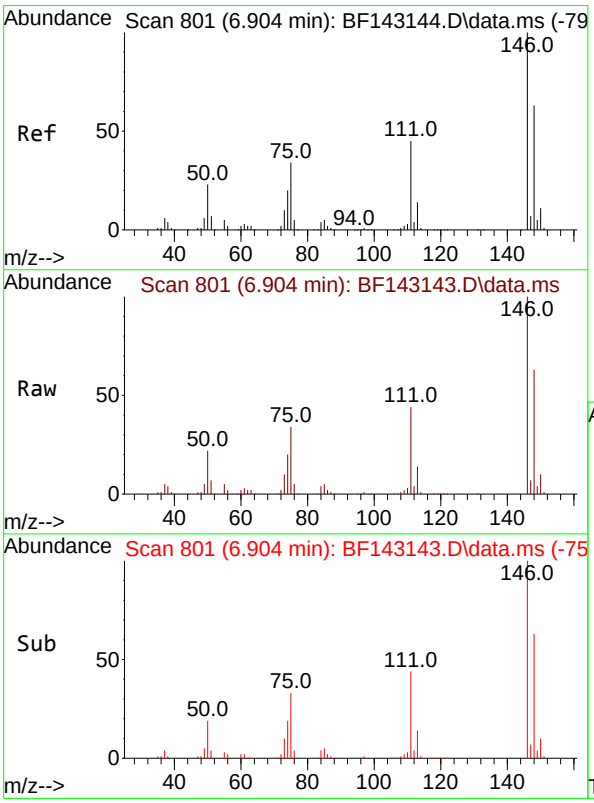
#11
bis(2-Chloroethyl)ether
Concen: 20.792 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 232425

Ion	Ratio	Lower	Upper
93	100		
63	80.9	63.4	103.4
95	31.9	12.4	52.4

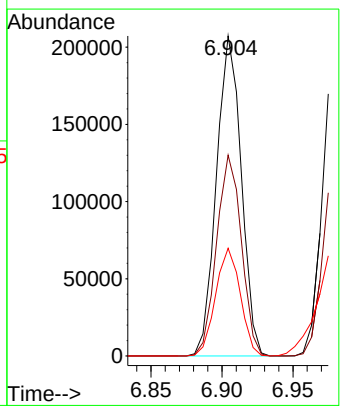


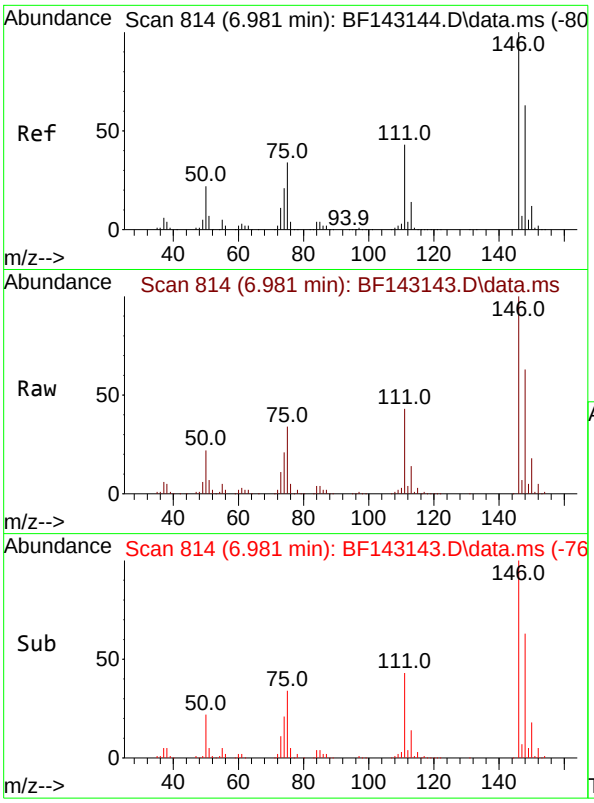


#12
1,3-Dichlorobenzene
Concen: 20.763 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:146 Resp: 251734

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	76.0
75	33.7	27.4	41.2



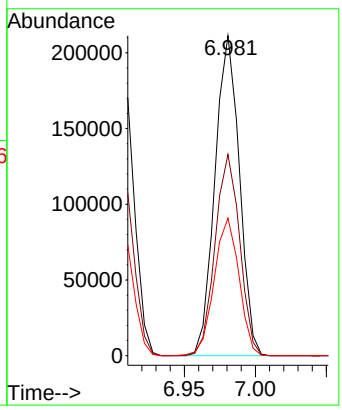


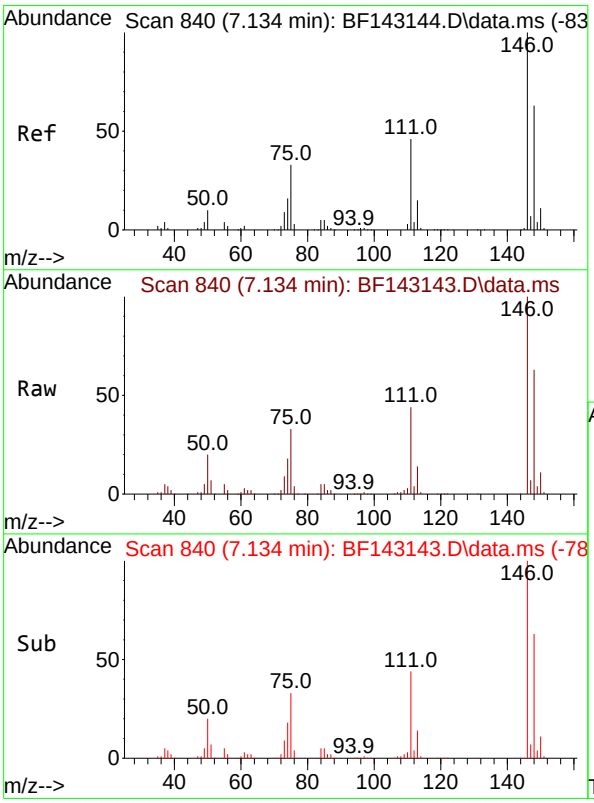
#13
1,4-Dichlorobenzene
Concen: 20.733 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 253137

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.0	34.4	51.6

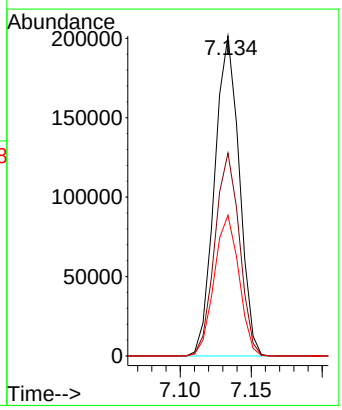


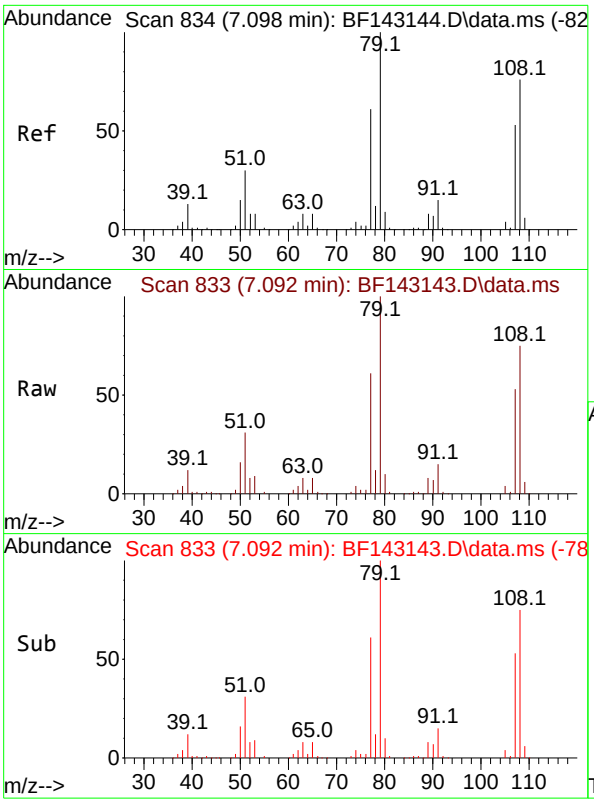


#14
1,2-Dichlorobenzene
Concen: 20.963 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:146 Resp: 243437

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	44.0	36.6	54.8



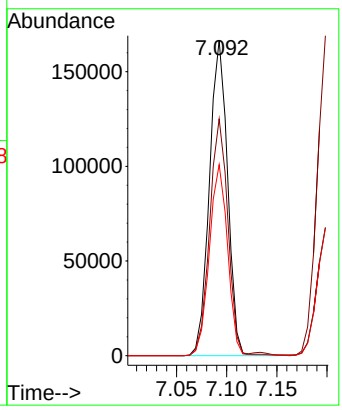


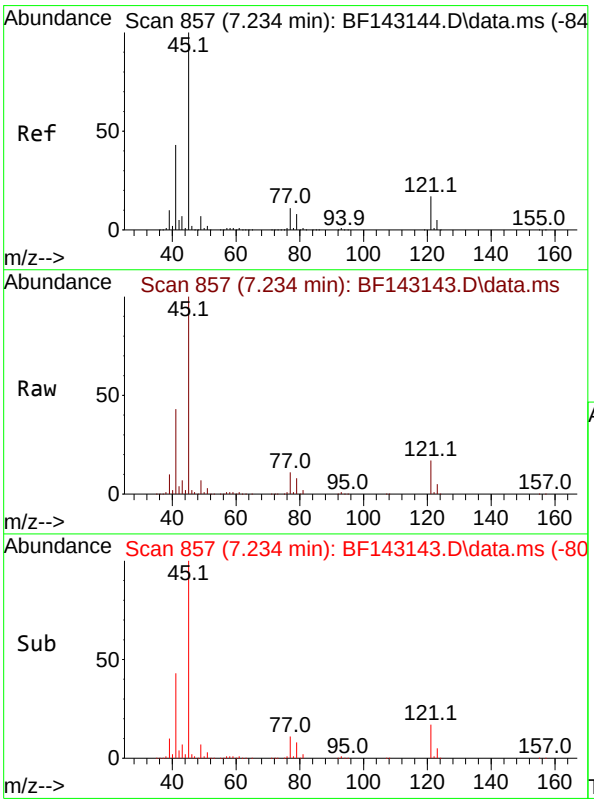
#15
Benzyl Alcohol
Concen: 20.524 ng
RT: 7.092 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 210016

Ion	Ratio	Lower	Upper
79	100		
108	75.0	61.1	91.7
77	60.5	48.9	73.3

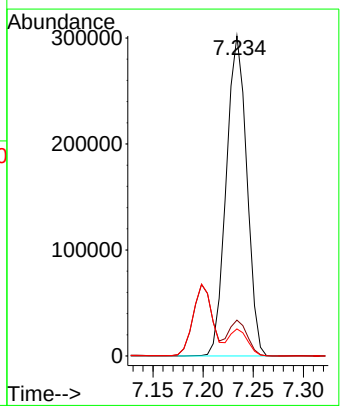


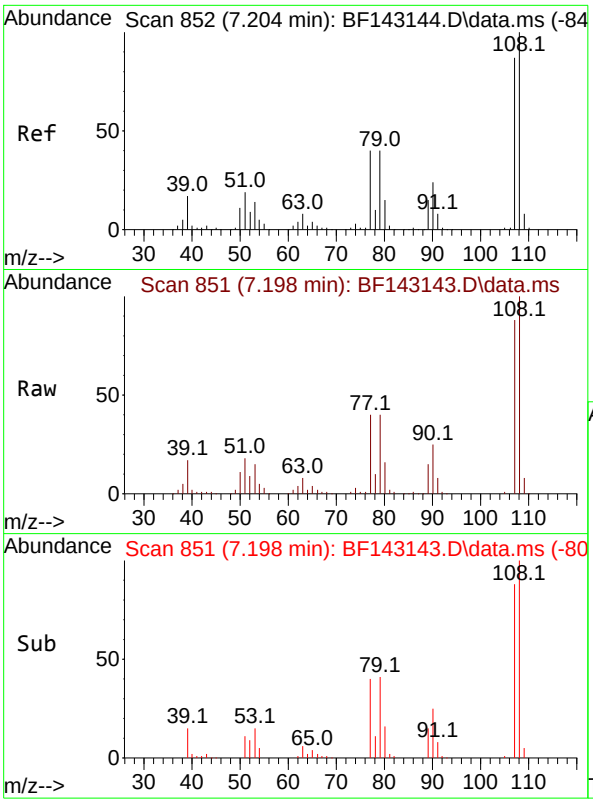


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.680 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 45 Resp: 428827

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.4	0.0	28.5



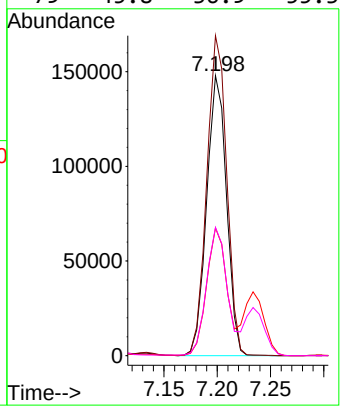


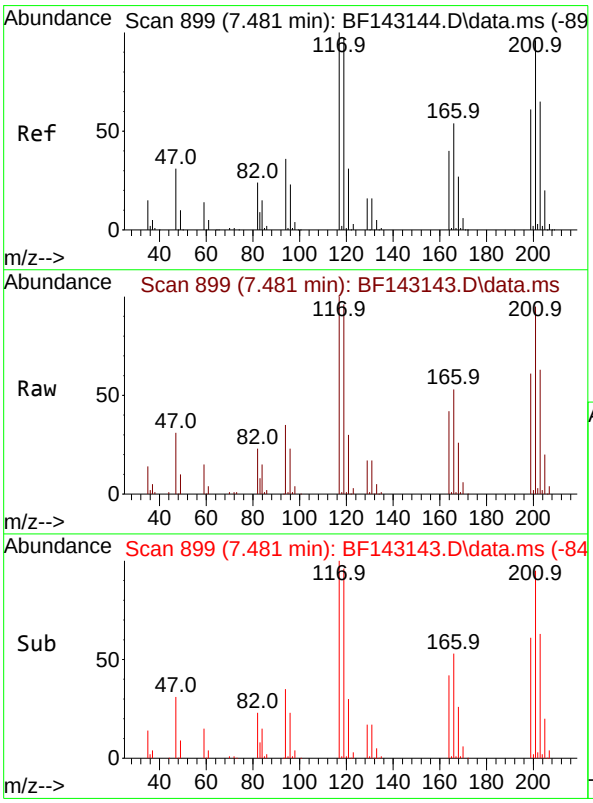
#17
2-Methylphenol
Concen: 20.479 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 192172

Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.8	137.6
77	45.6	37.0	55.6
79	45.8	36.9	55.3

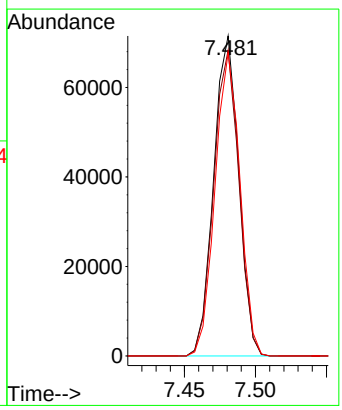


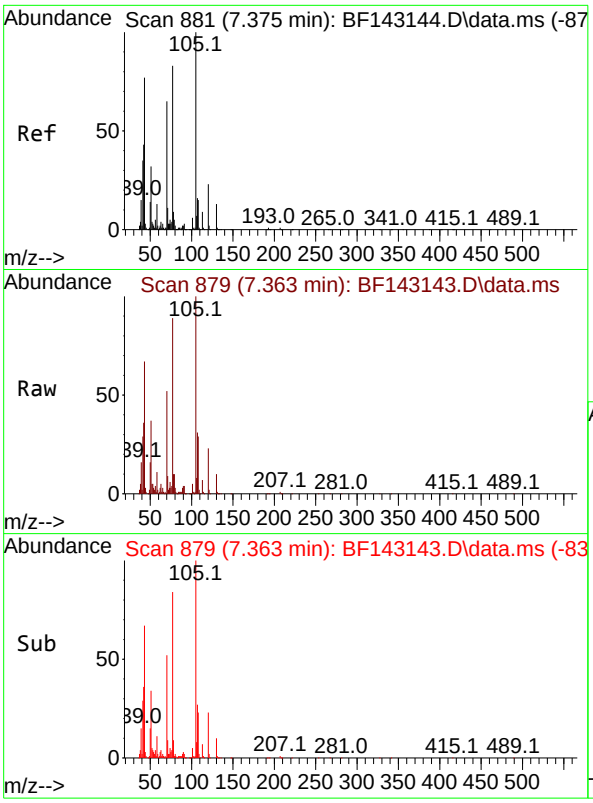


#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:117 Resp: 88036

Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.8	116.8
201	94.8	77.0	115.4



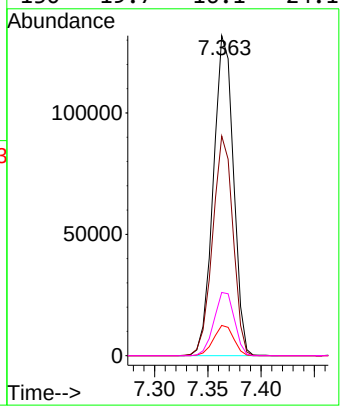


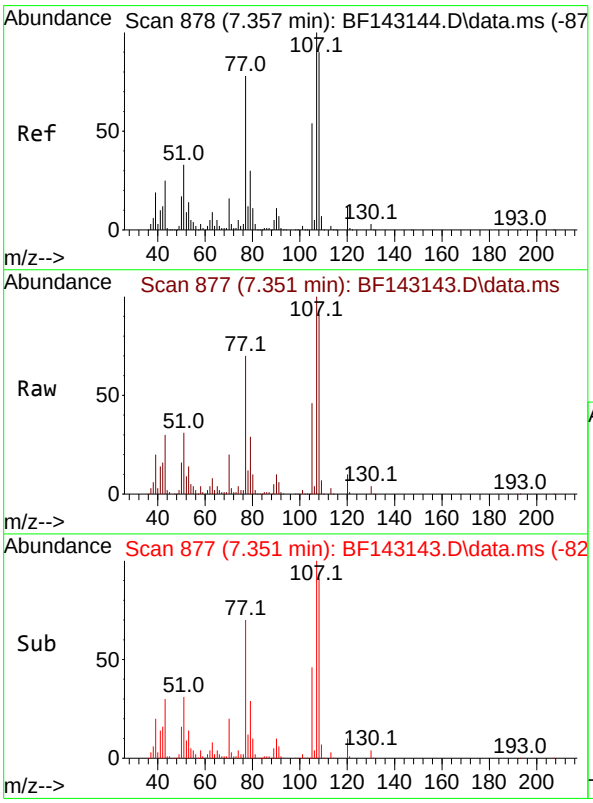
#19
n-Nitroso-di-n-propylamine
Concen: 20.137 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 173142

Ion	Ratio	Lower	Upper
70	100		
42	68.6	52.5	78.7
101	9.4	7.6	11.4
130	19.7	16.1	24.1

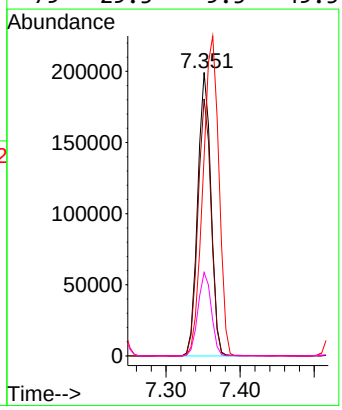


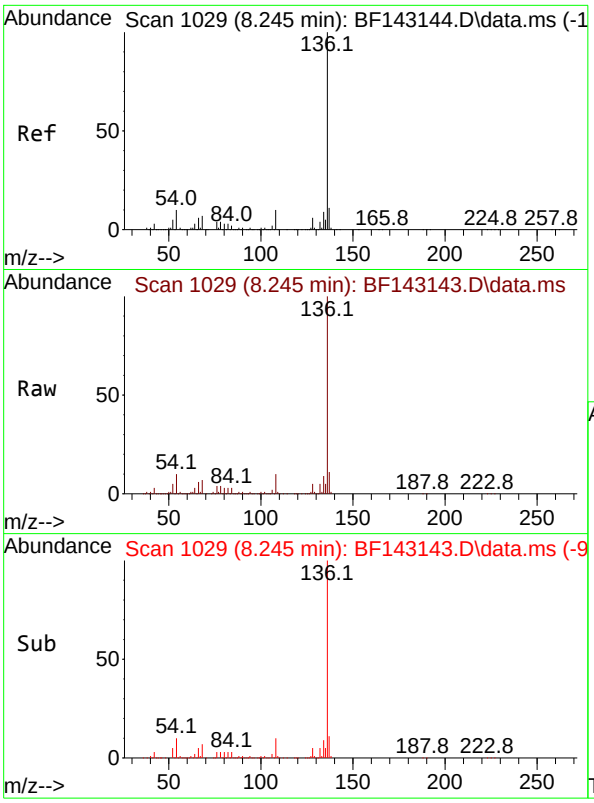


#20
3+4-Methylphenols
Concen: 21.745 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 247578

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.0	110.0
77	70.4	57.8	97.8
79	29.5	9.5	49.5



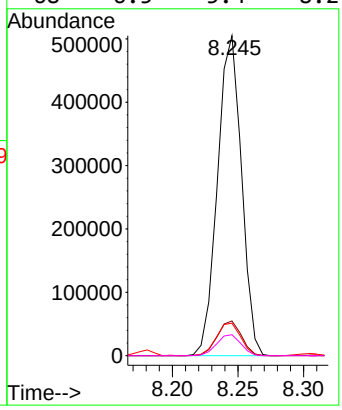


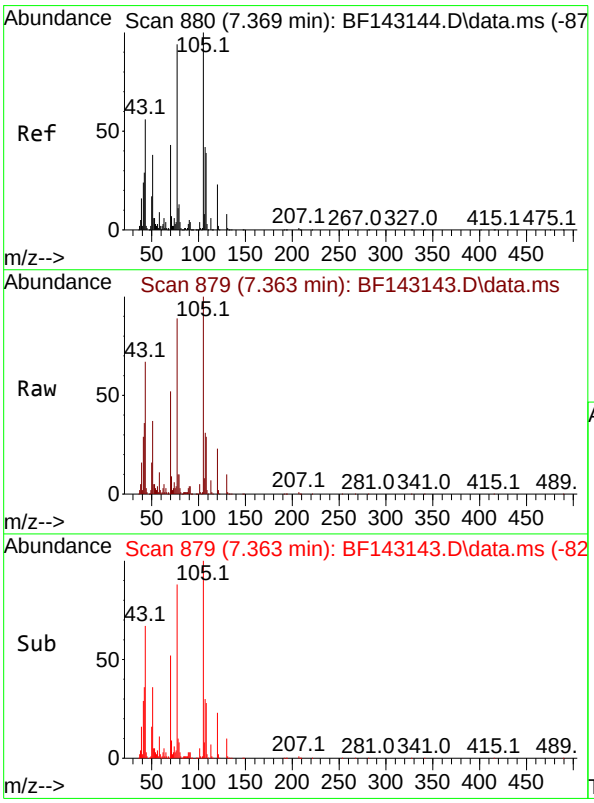
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 642580

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.2	12.2
68	6.5	5.4	8.2

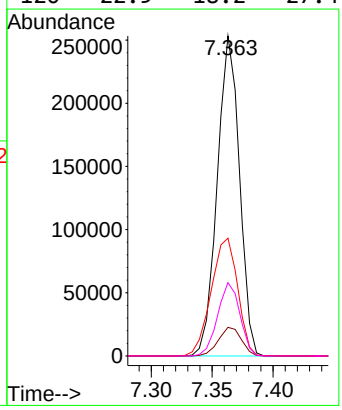


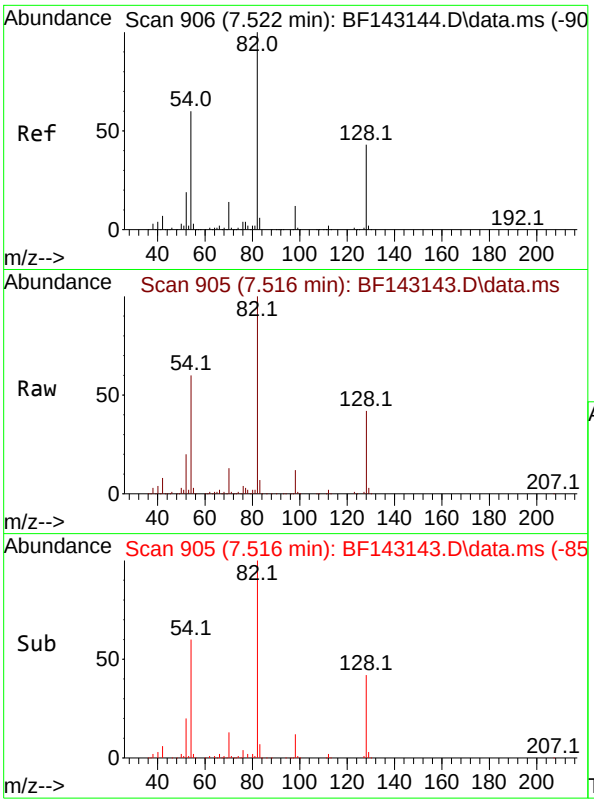


#22
Acetophenone
Concen: 21.151 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:105 Resp: 321774

Ion	Ratio	Lower	Upper
105	100		
71	9.0	5.8	8.6#
51	36.8	30.2	45.2
120	22.9	18.2	27.4



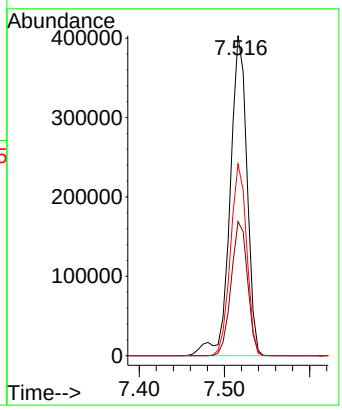


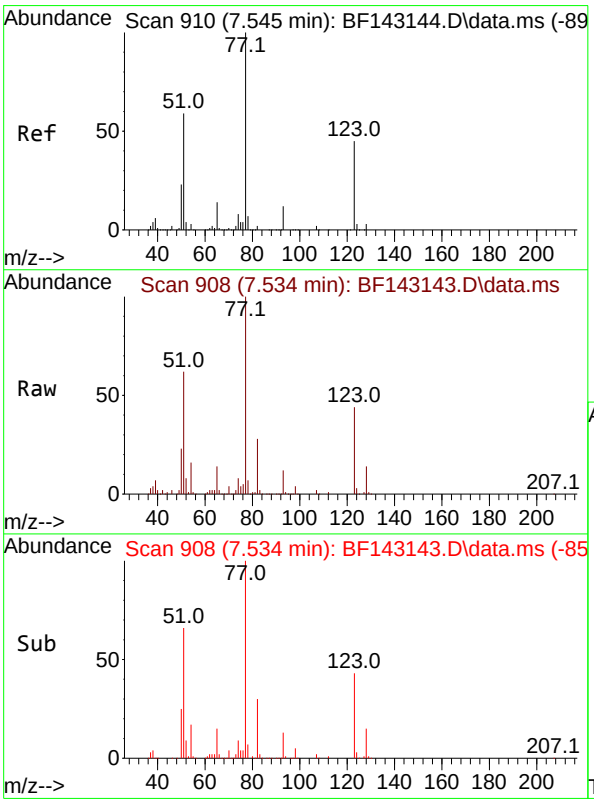
#23
Nitrobenzene-d5
Concen: 43.013 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 554482

Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.6	50.4
54	59.8	47.1	70.7

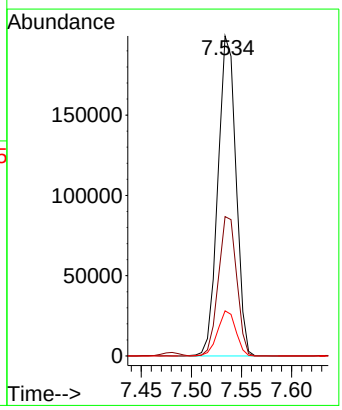


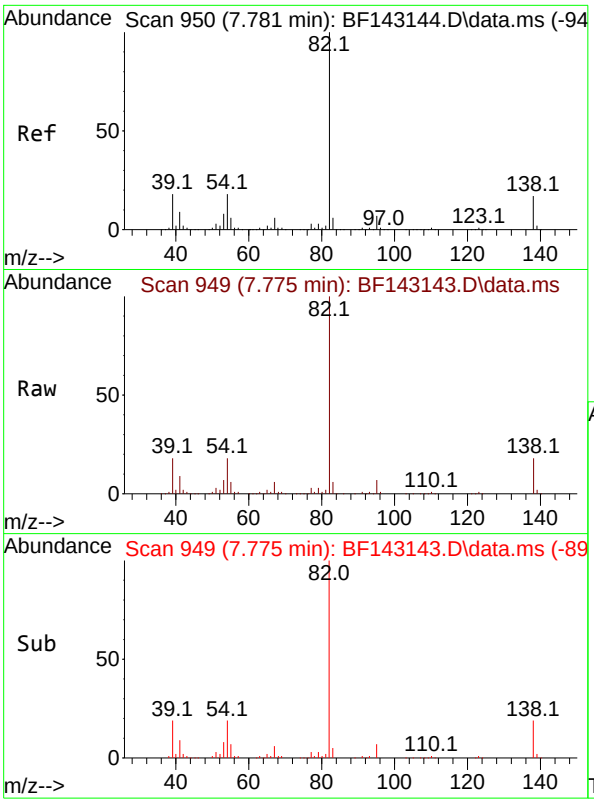


#24
Nitrobenzene
Concen: 20.739 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 77 Resp: 249251

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.1	54.1
65	14.1	11.4	17.2



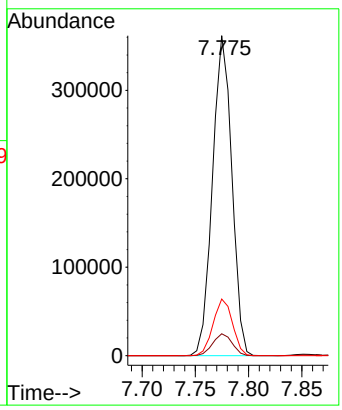


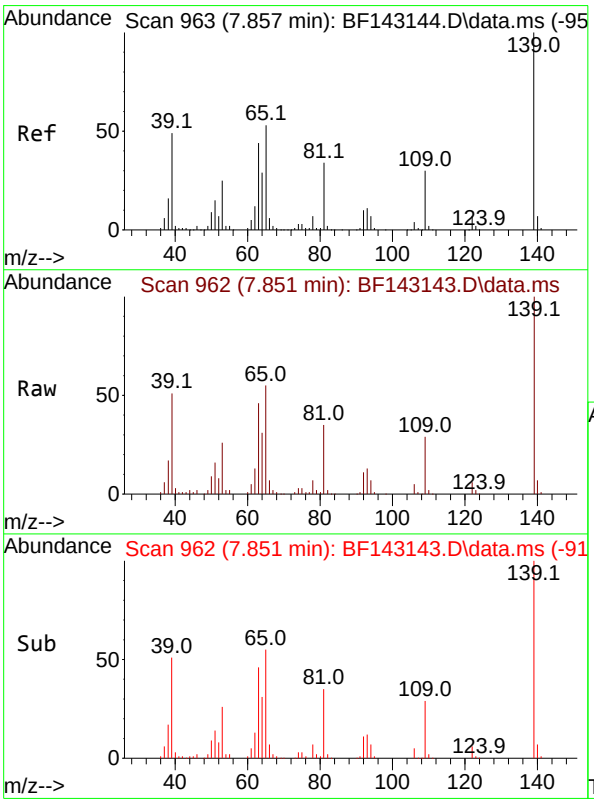
#25
Isophorone
Concen: 20.088 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 457146

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.7	13.8	20.8

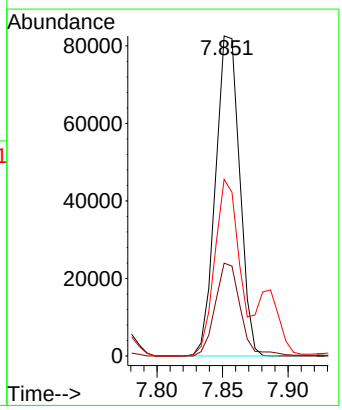


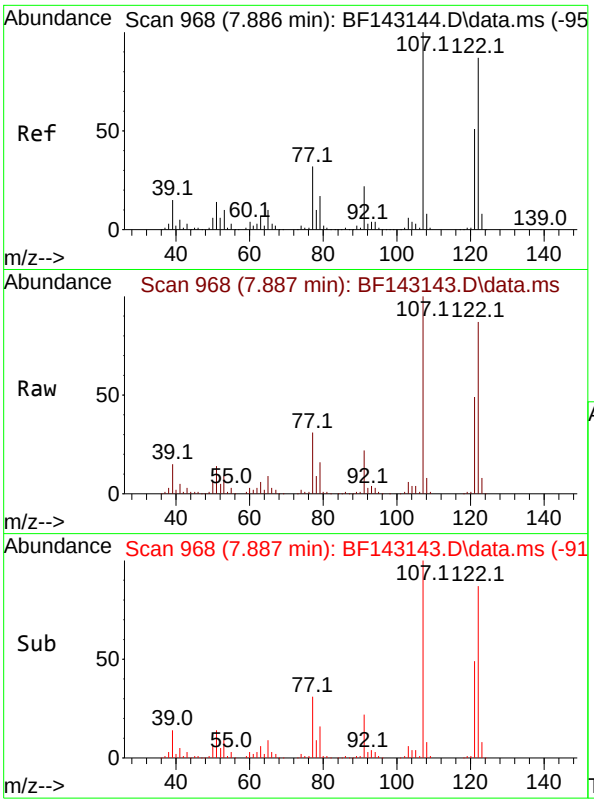


#26
2-Nitrophenol
Concen: 20.261 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 105681

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	55.2	42.6	64.0



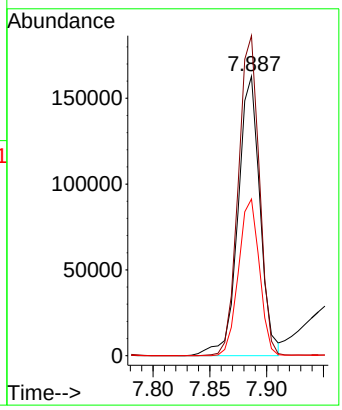


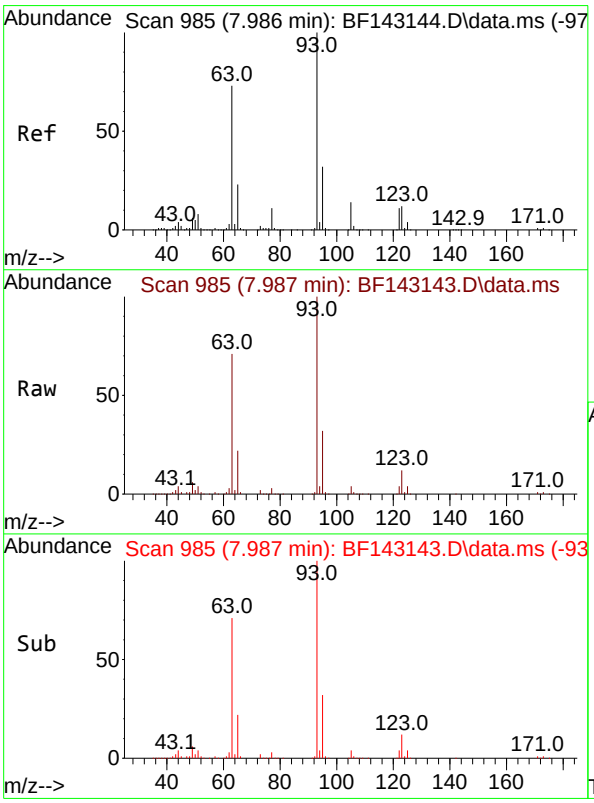
#27
2,4-Dimethylphenol
Concen: 20.594 ng
RT: 7.887 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 218960

Ion	Ratio	Lower	Upper
122	100		
107	114.5	91.8	137.6
121	56.1	46.3	69.5

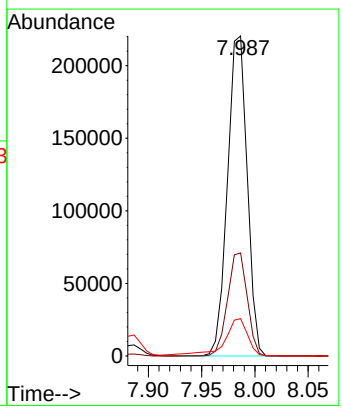


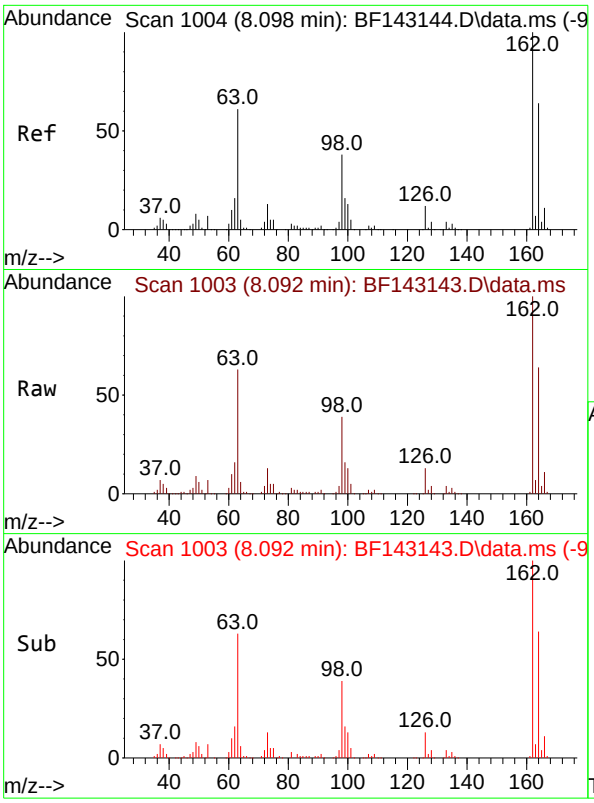


#28
bis(2-Chloroethoxy)methane
Concen: 20.811 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 93 Resp: 283946

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.6
123	11.6	9.7	14.5



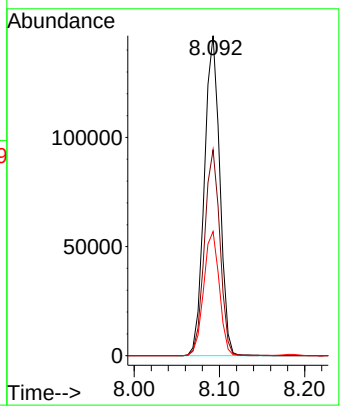


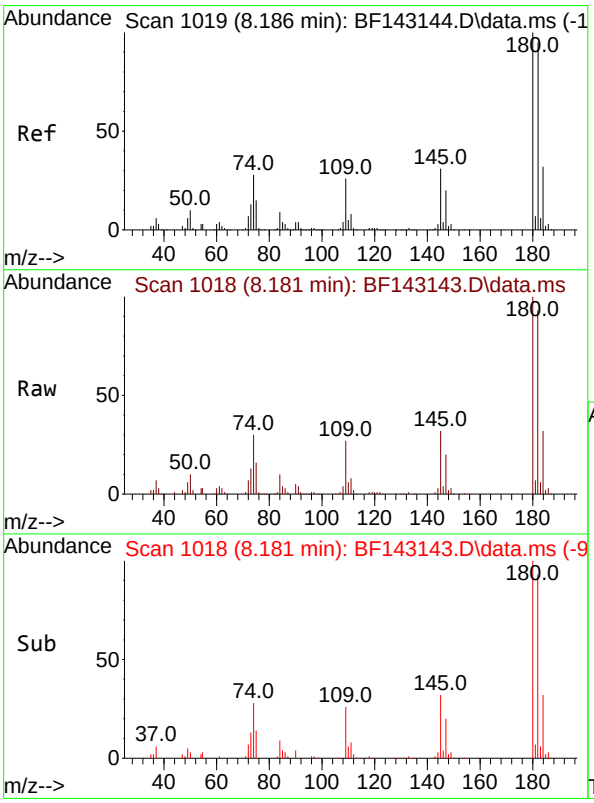
#29
2,4-Dichlorophenol
Concen: 20.569 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 184432

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.8	17.9	57.9

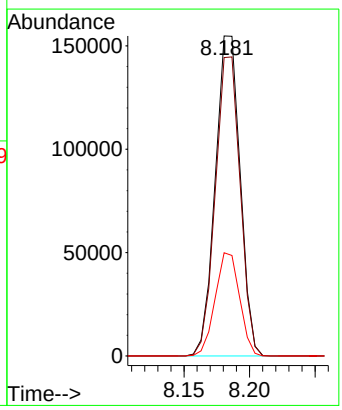


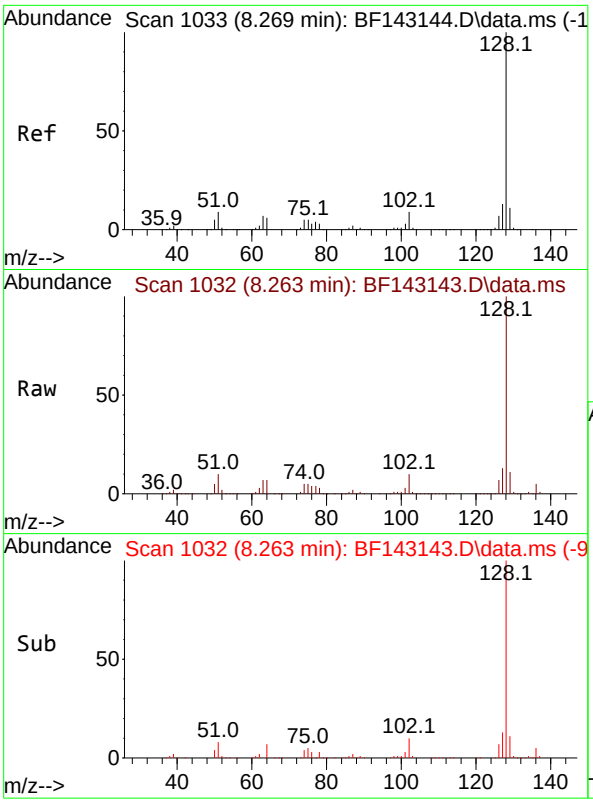


#30
1,2,4-Trichlorobenzene
Concen: 21.070 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:180 Resp: 204103

Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.2	114.2
145	32.2	25.0	37.6



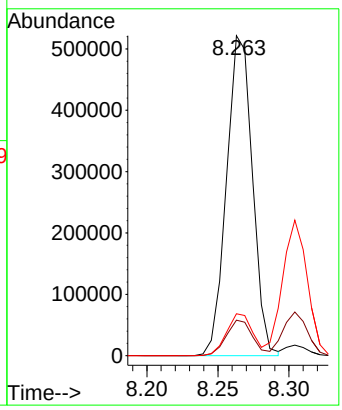


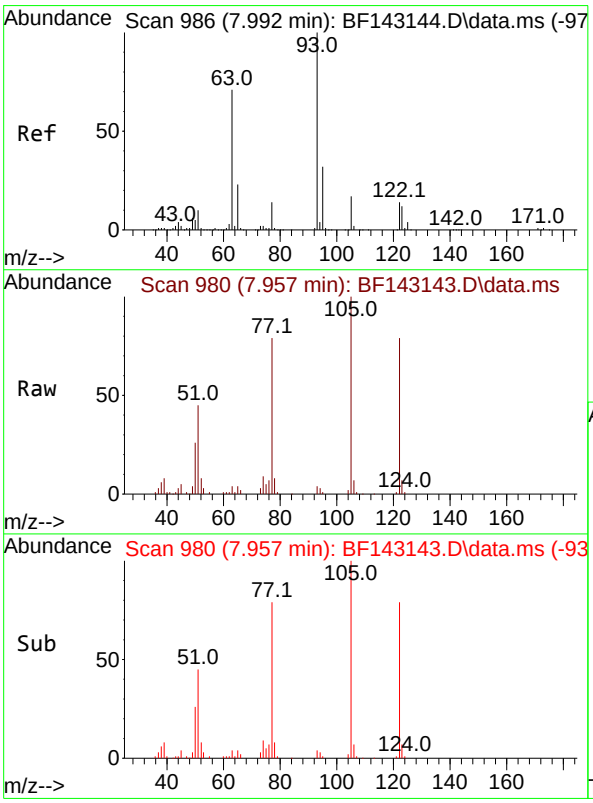
#31
Naphthalene
Concen: 20.949 ng
RT: 8.263 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 662968

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0

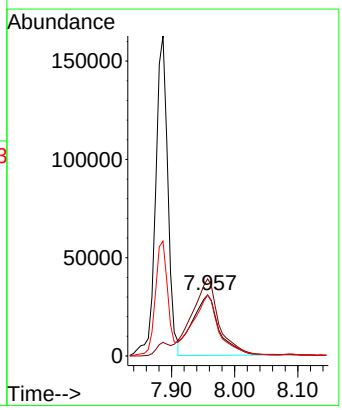


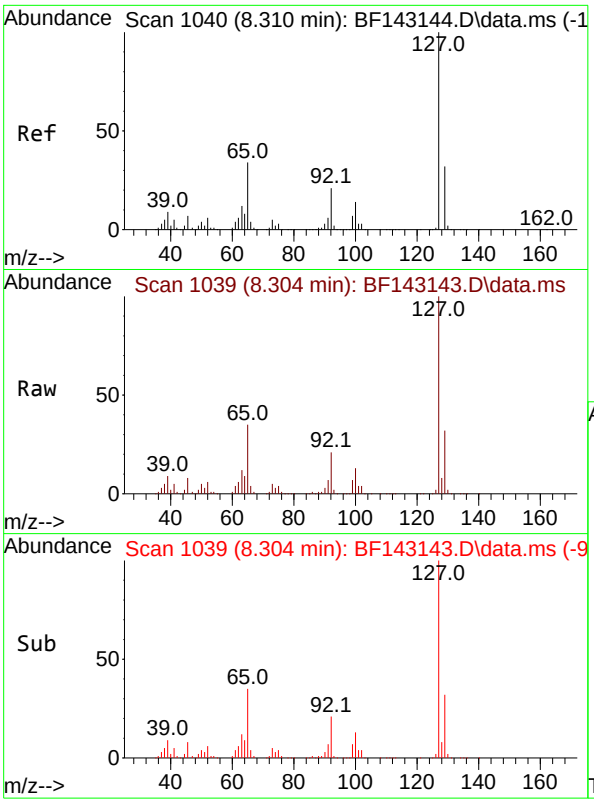


#32
Benzoic acid
Concen: 18.667 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:122 Resp: 90732

Ion	Ratio	Lower	Upper
122	100		
105	126.7	104.8	144.8
77	99.7	77.6	117.6



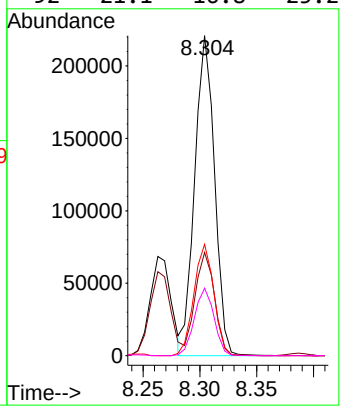


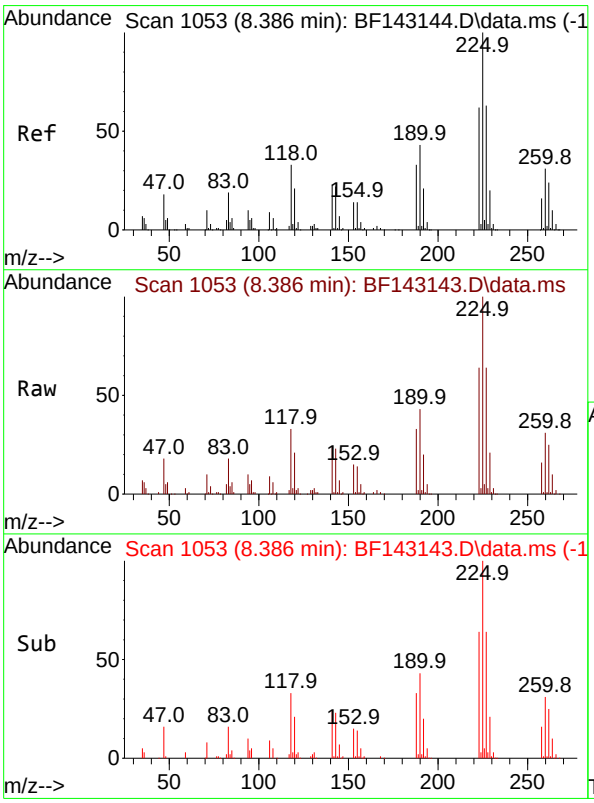
#33
4-Chloroaniline
Concen: 20.825 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 269101

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	34.8	27.4	41.2
92	21.1	16.8	25.2

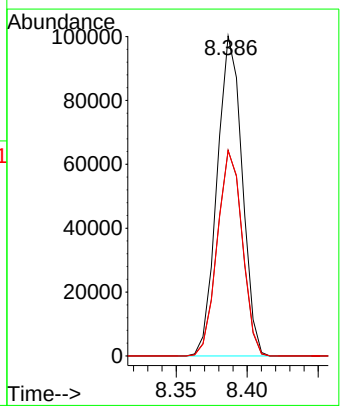


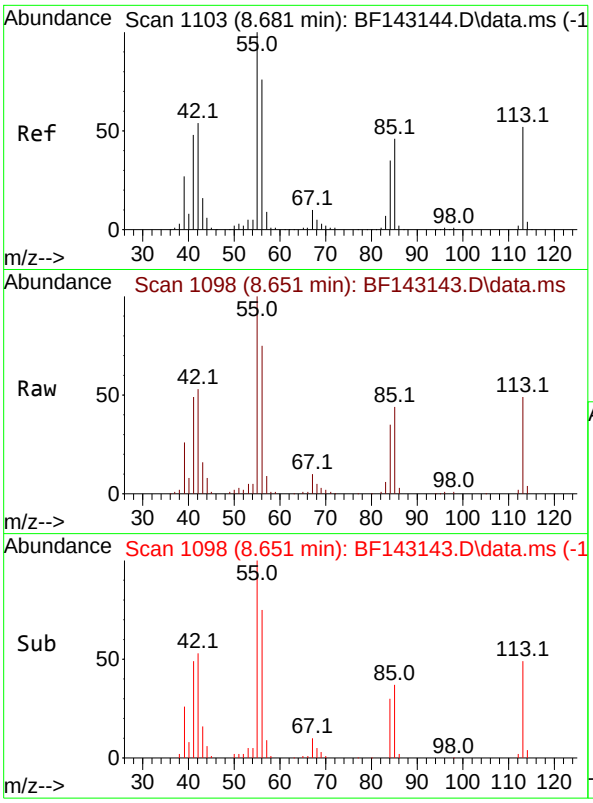


#34
Hexachlorobutadiene
Concen: 20.722 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:225 Resp: 122624

Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.8	74.6
227	64.1	50.2	75.4



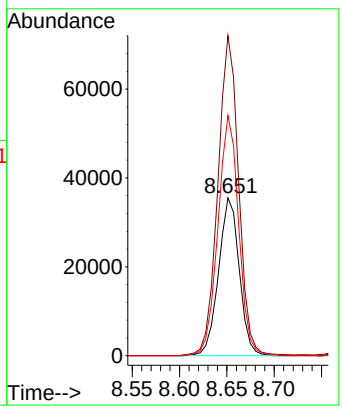


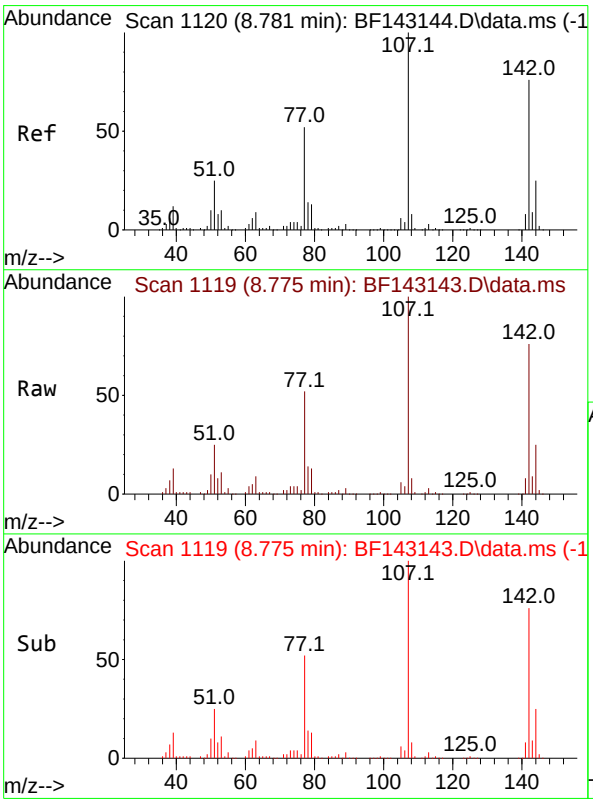
#35
Caprolactam
Concen: 19.911 ng
RT: 8.651 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 53950

Ion	Ratio	Lower	Upper
113	100		
55	202.9	174.0	214.0
56	152.2	126.6	166.6

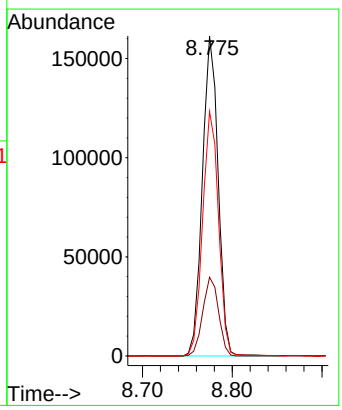


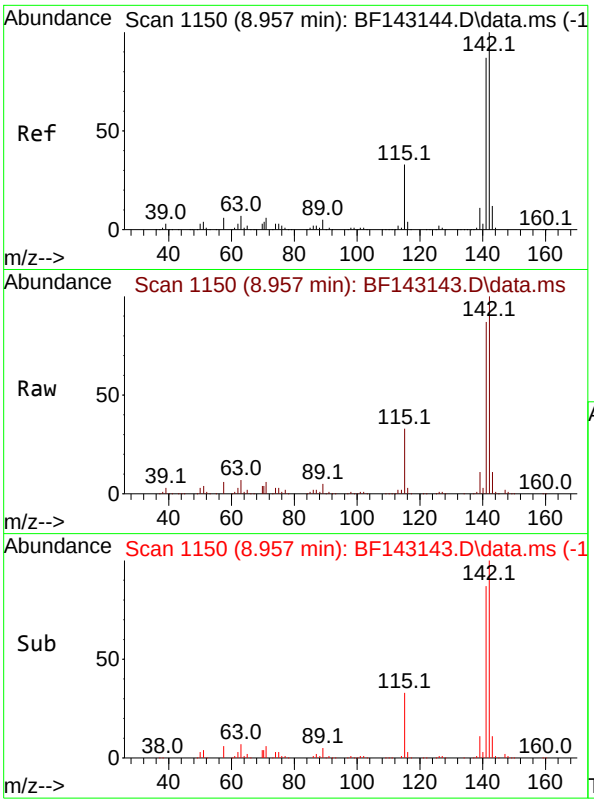


#36
4-Chloro-3-methylphenol
Concen: 20.246 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:107 Resp: 197317

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	76.4	60.6	90.8



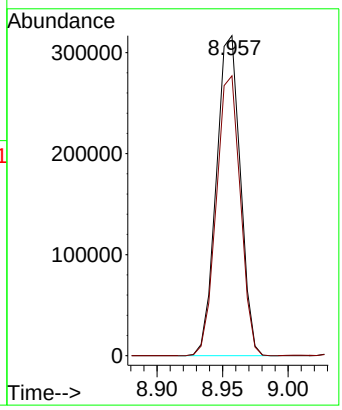


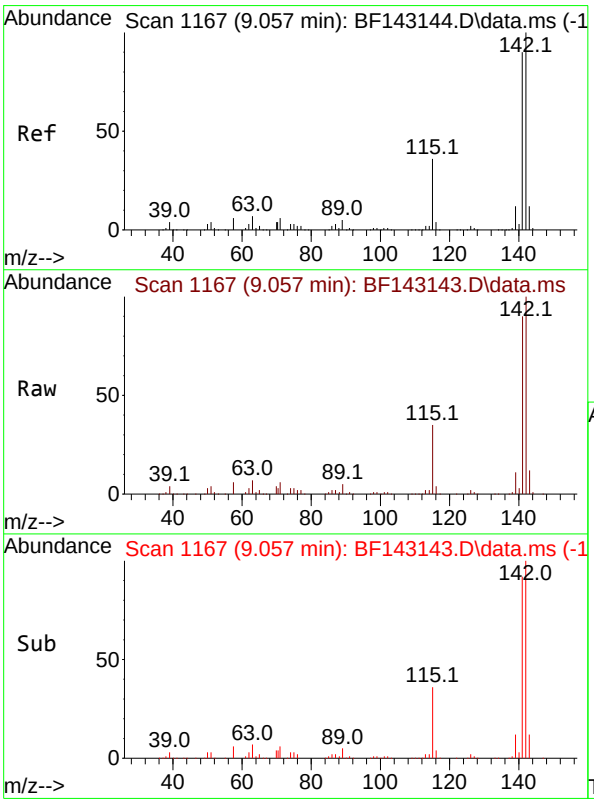
#37
2-Methylnaphthalene
Concen: 20.943 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 403298

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.9	104.9

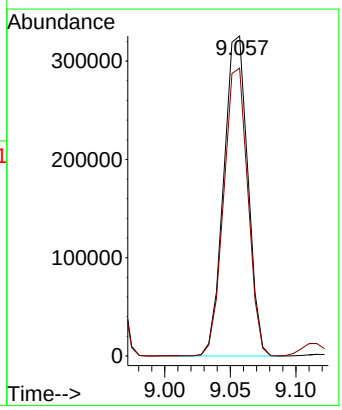


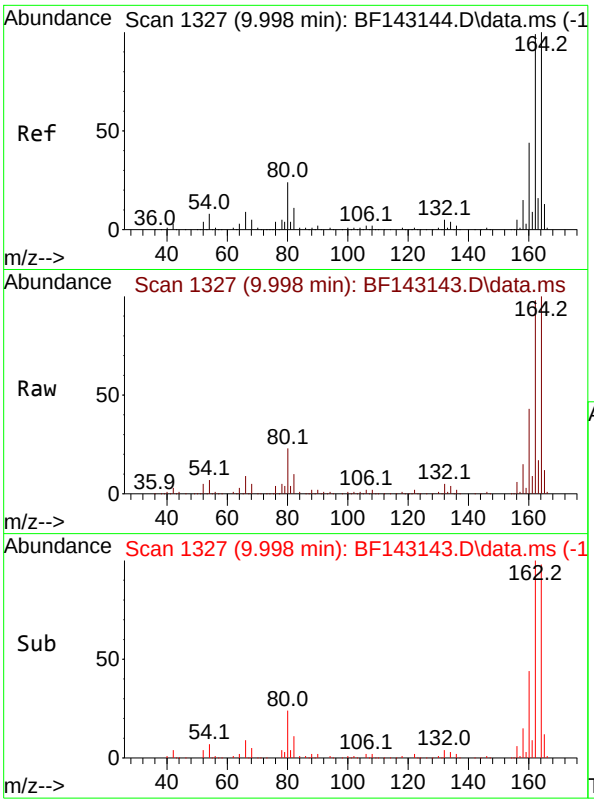


#38
1-Methylnaphthalene
Concen: 21.060 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:142 Resp: 417629

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.3	108.5



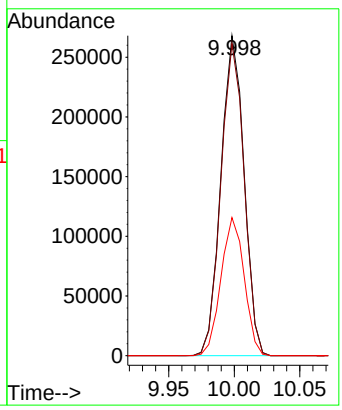


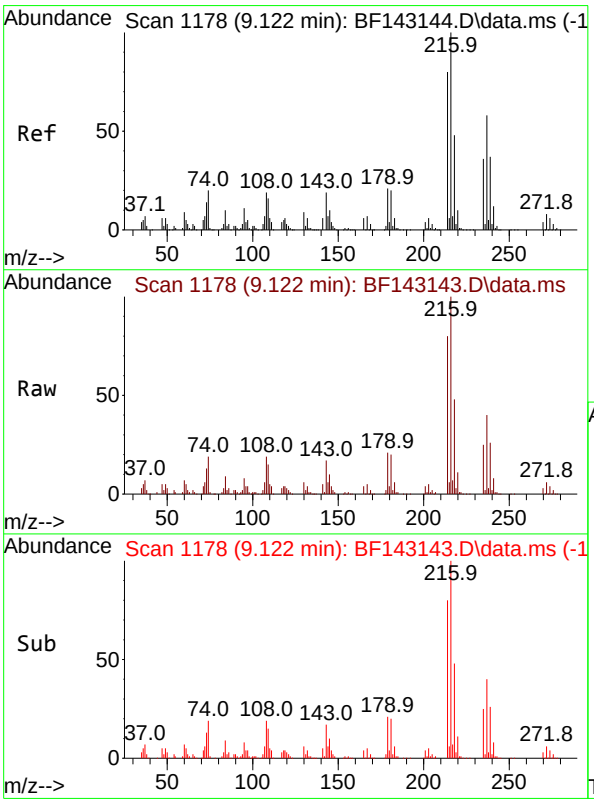
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 329670

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.0	118.6
160	43.2	35.1	52.7

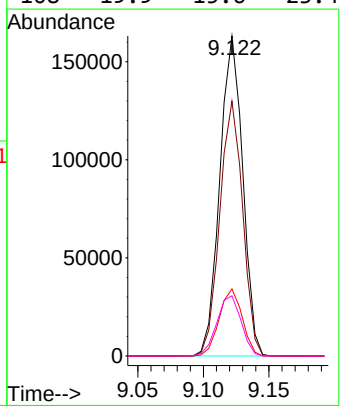


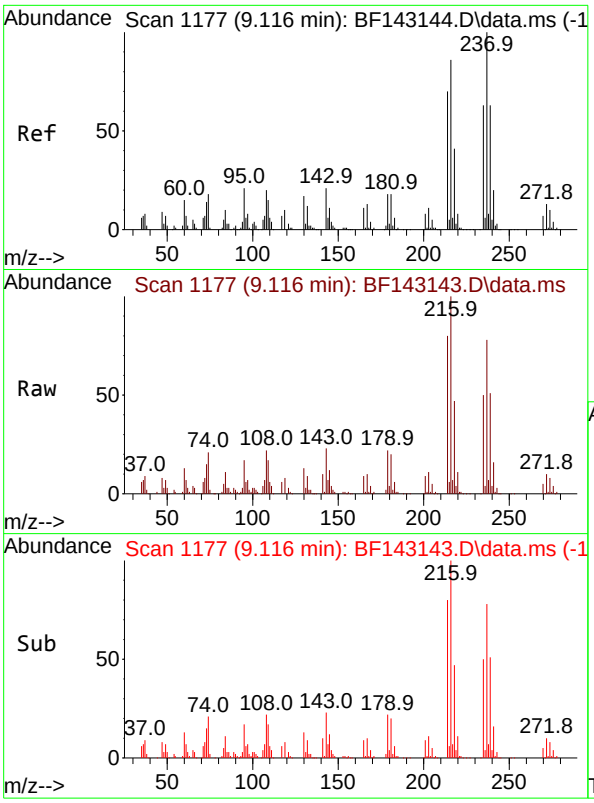


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.804 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:216 Resp: 198009

Ion	Ratio	Lower	Upper
216	100		
214	79.4	63.8	95.8
179	21.0	16.4	24.6
108	19.9	15.6	23.4



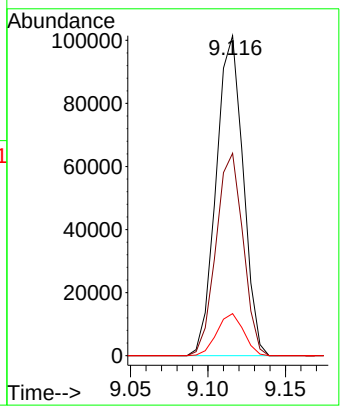


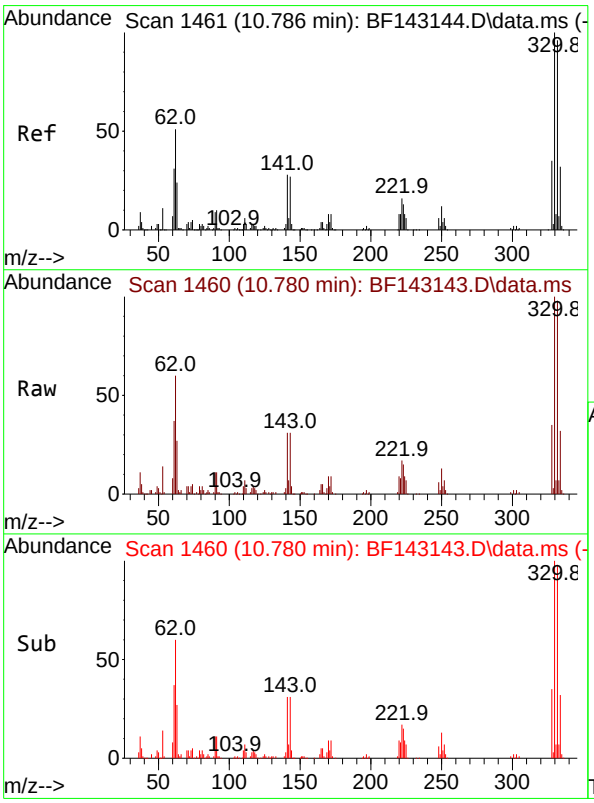
#41
Hexachlorocyclopentadiene
Concen: 19.848 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 122922

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.2	0.0	33.3

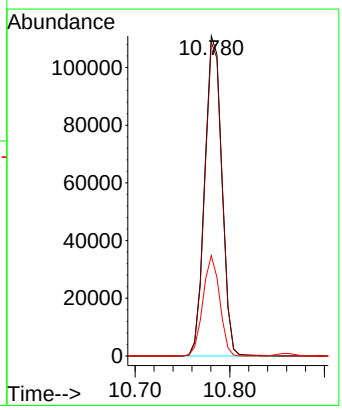


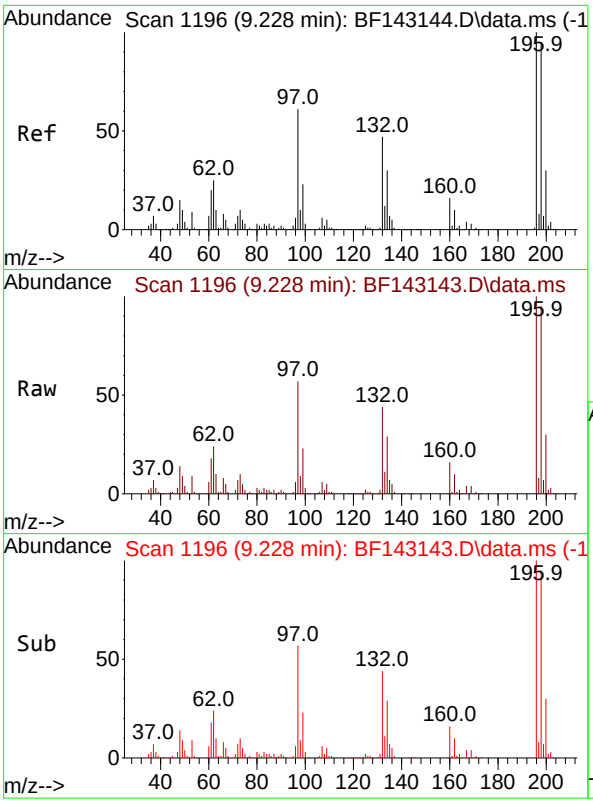


#42
2,4,6-Tribromophenol
Concen: 41.034 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:330 Resp: 139748

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.7	115.1
141	30.4	23.3	34.9



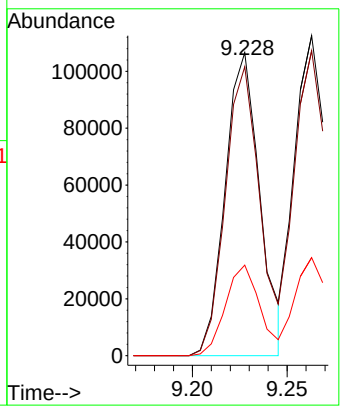


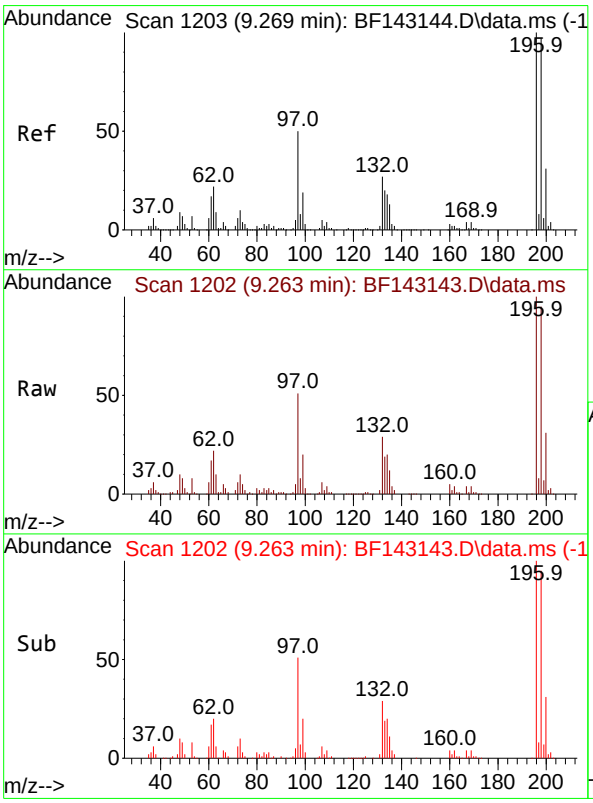
#43
2,4,6-Trichlorophenol
Concen: 20.601 ng
RT: 9.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 135703

Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.2	114.2
200	29.9	23.9	35.9

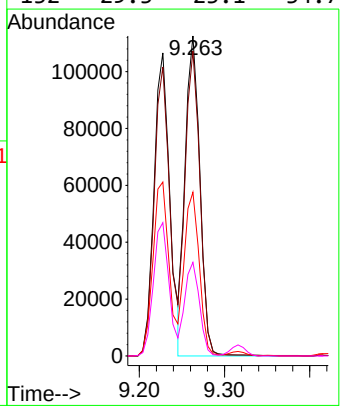


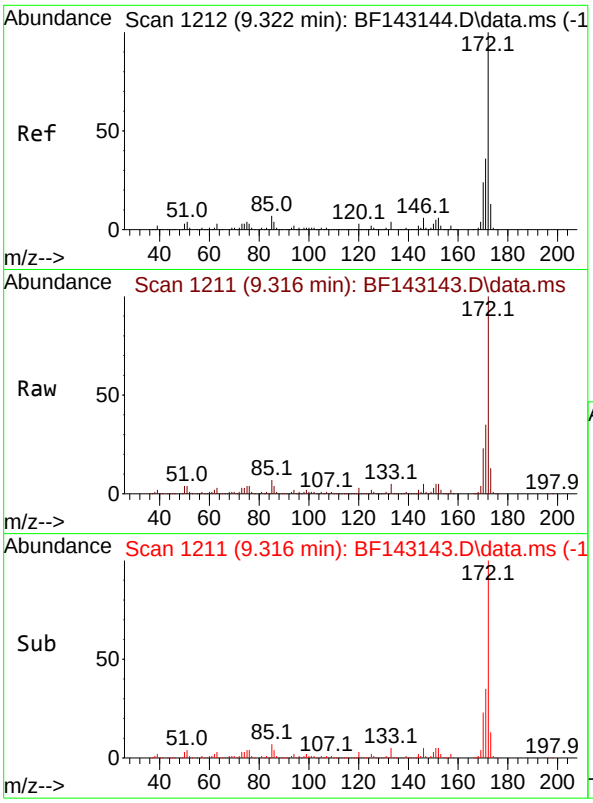


#44
2,4,5-Trichlorophenol
Concen: 20.584 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:196 Resp: 135634

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	51.2	40.3	60.5
132	29.3	23.1	34.7



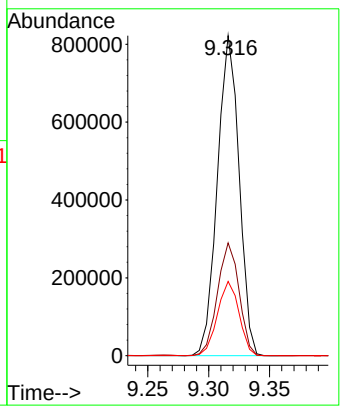


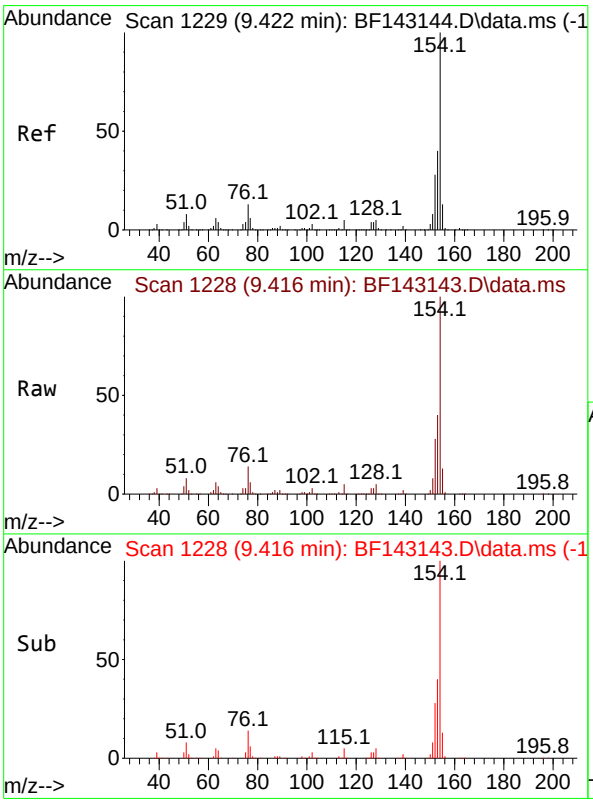
#45
2-Fluorobiphenyl
Concen: 42.301 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1019688

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.8	28.2

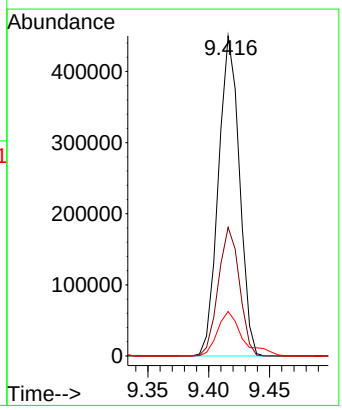


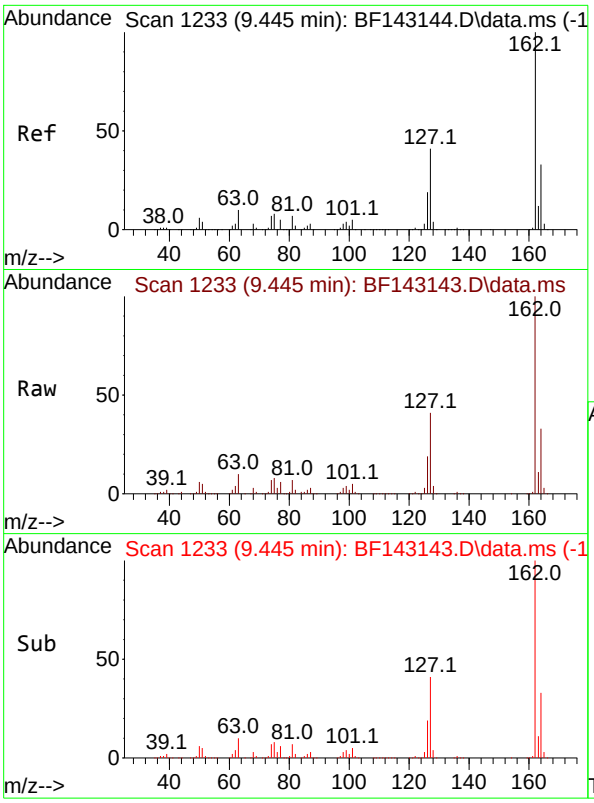


#46
1,1'-Biphenyl
Concen: 21.019 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 540637

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.3	60.3
76	13.9	0.0	33.3



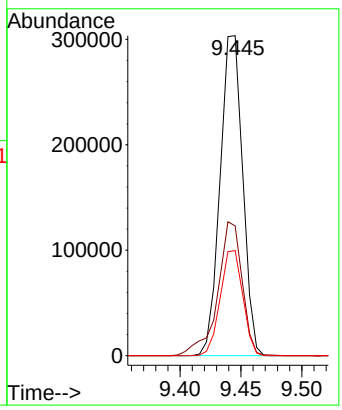


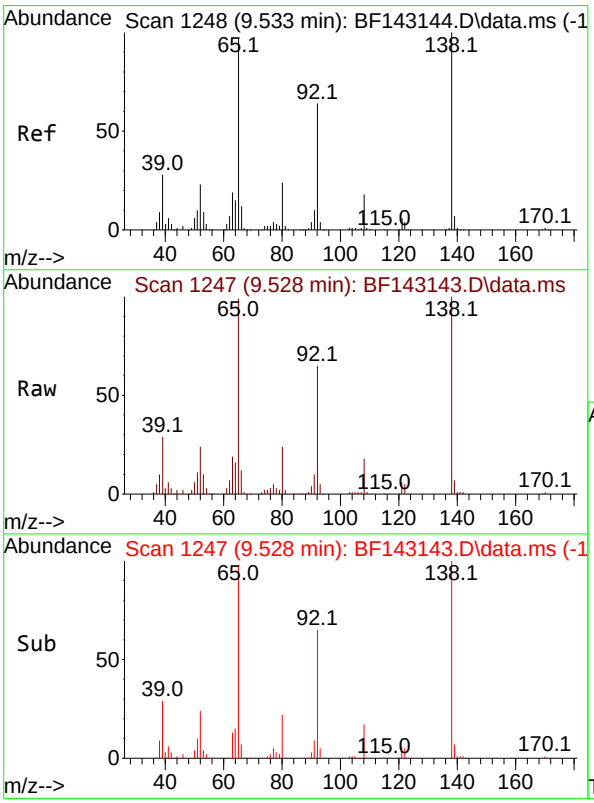
#47
2-Chloronaphthalene
Concen: 20.650 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 393002

Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.9	26.2	39.2

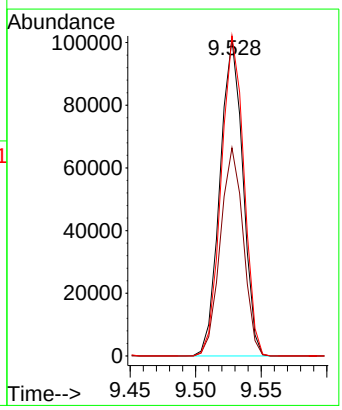


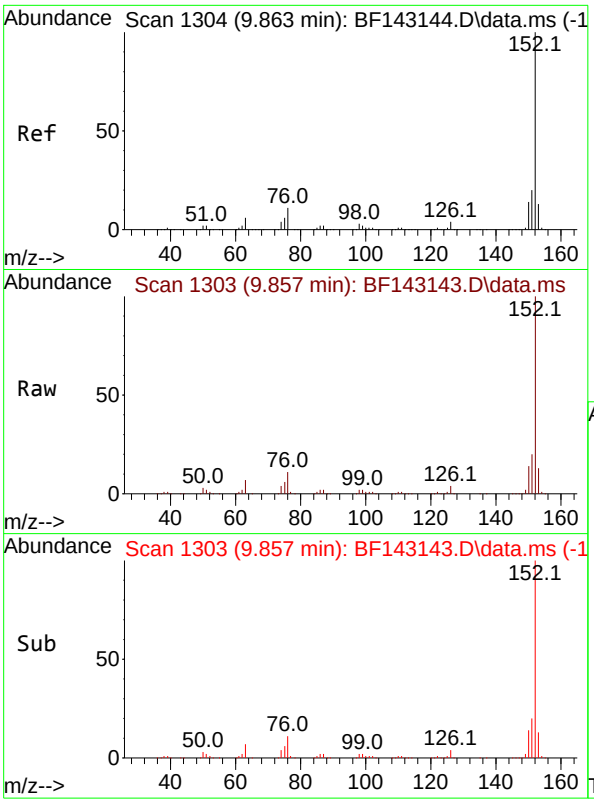


#48
2-Nitroaniline
Concen: 20.528 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 65 Resp: 122517

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.4	78.6
138	100.8	82.3	123.5



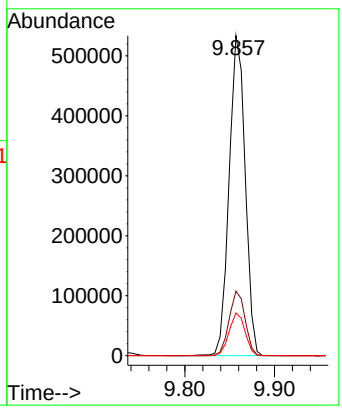


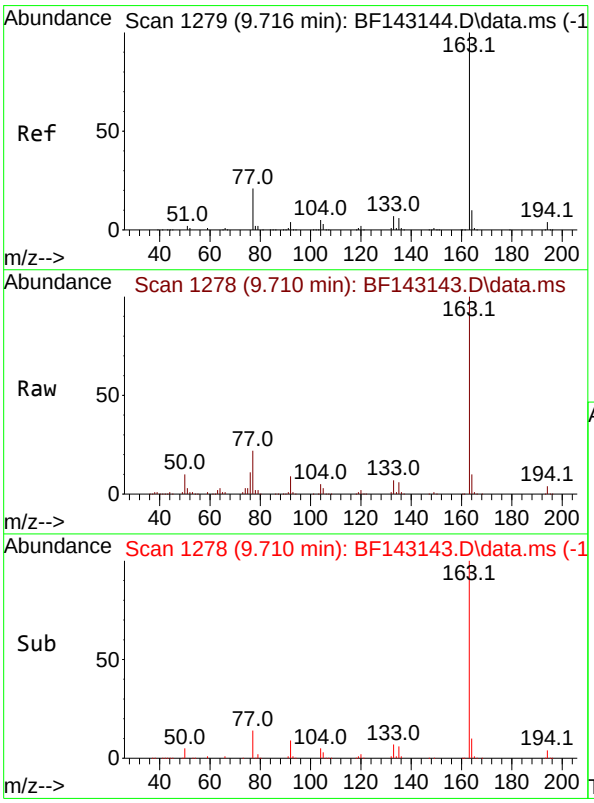
#49
Acenaphthylene
Concen: 20.789 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 663048

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.6	16.0

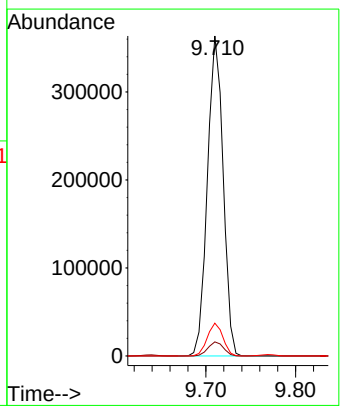


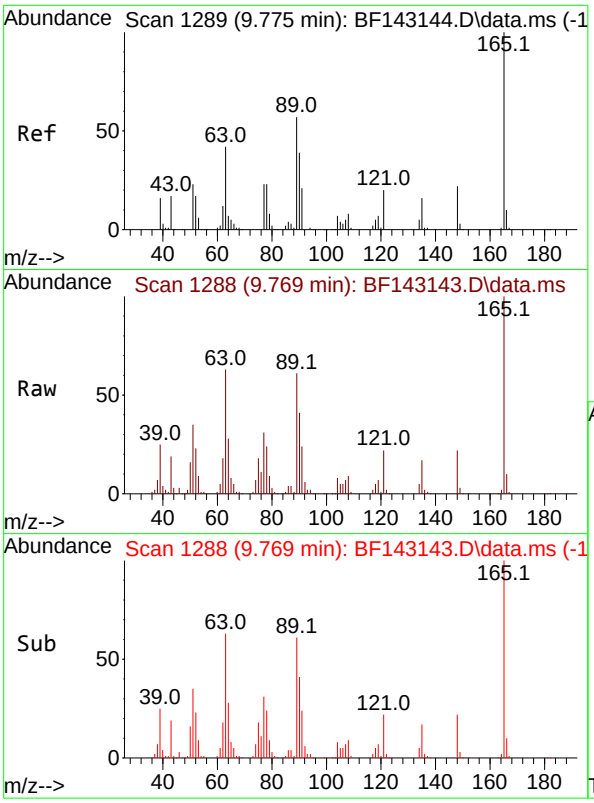


#50
Dimethylphthalate
Concen: 20.558 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:163 Resp: 441768

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.3	12.5



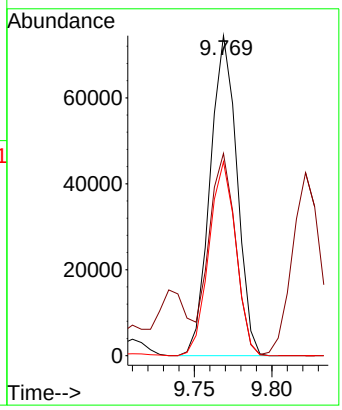


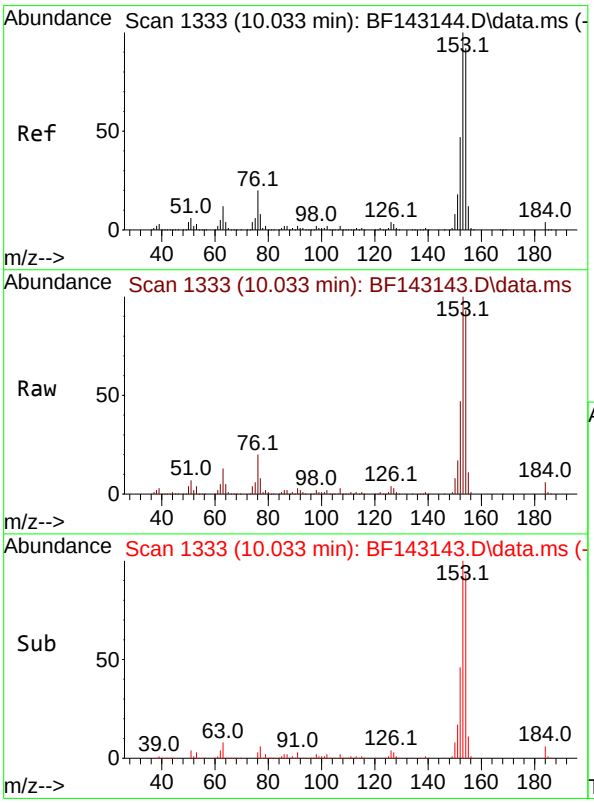
#51
2,6-Dinitrotoluene
Concen: 20.529 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 89742

Ion	Ratio	Lower	Upper
165	100		
63	63.2	49.4	74.2
89	60.6	46.2	69.2

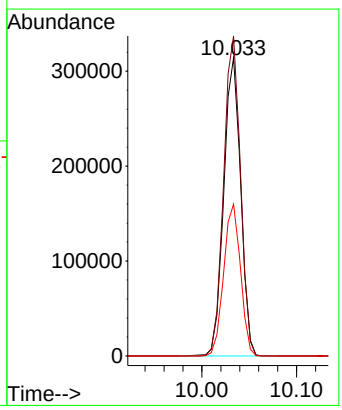


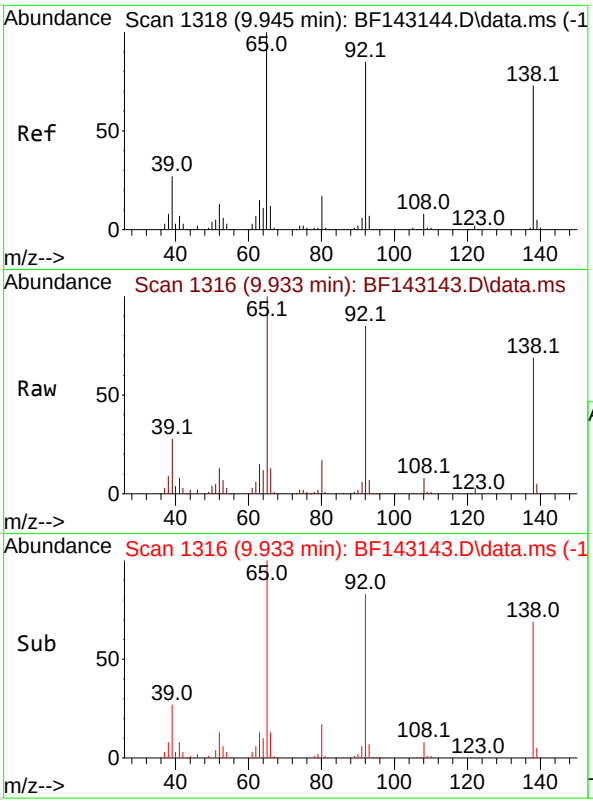


#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:154 Resp: 390249

Ion	Ratio	Lower	Upper
154	100		
153	107.3	86.6	129.8
152	50.9	40.4	60.6



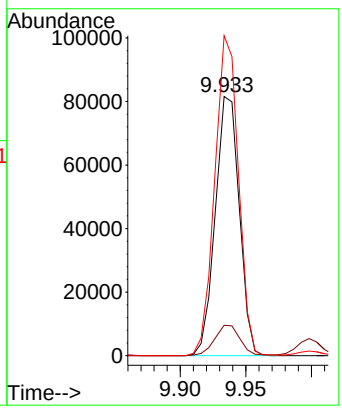


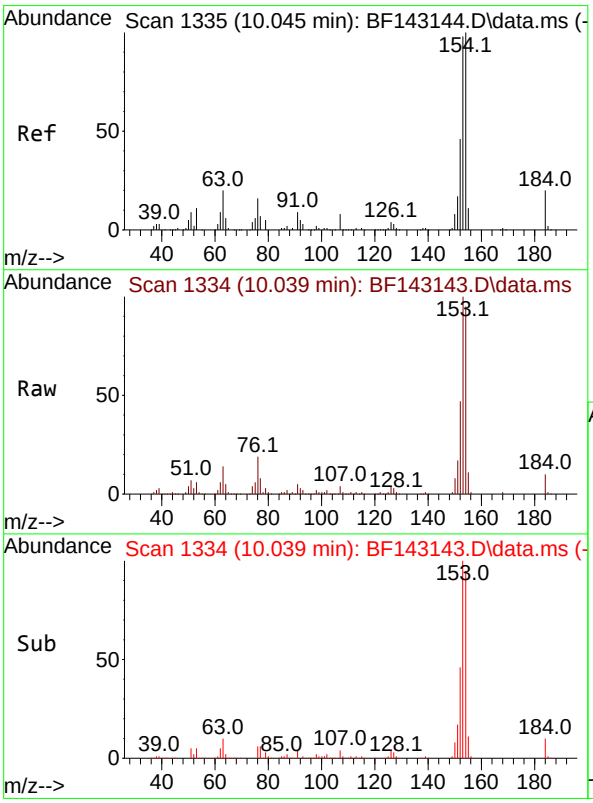
#53
3-Nitroaniline
Concen: 20.314 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 103870

Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.0	13.6
92	123.4	93.0	139.4

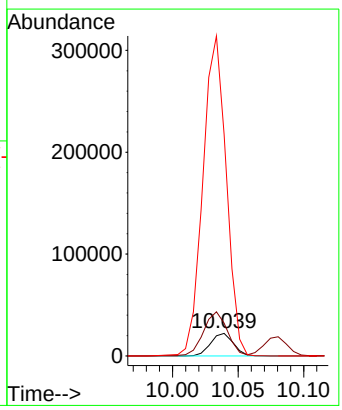


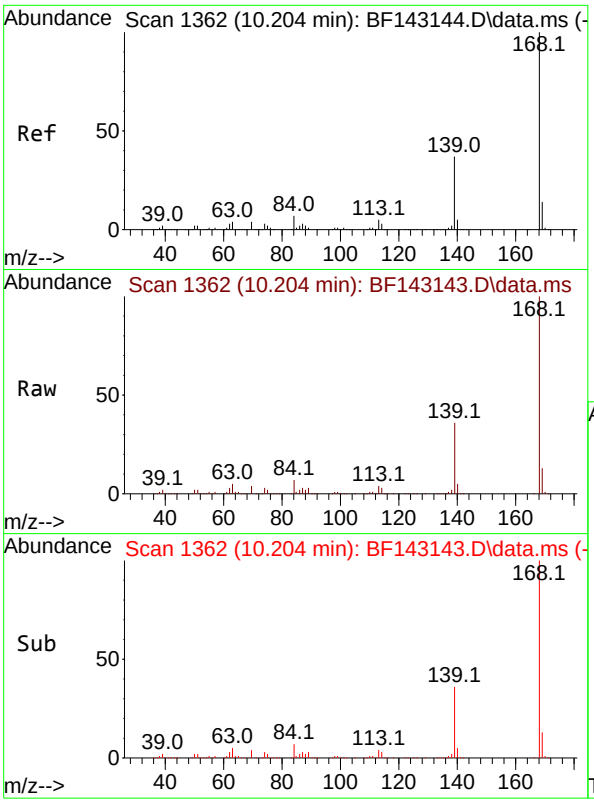


#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:184 Resp: 26820

Ion	Ratio	Lower	Upper
184	100		
63	145.3	81.8	122.6#
154	980.0	412.2	618.4#



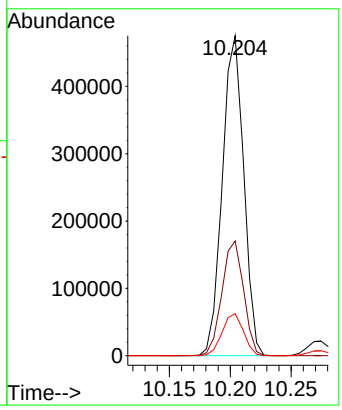


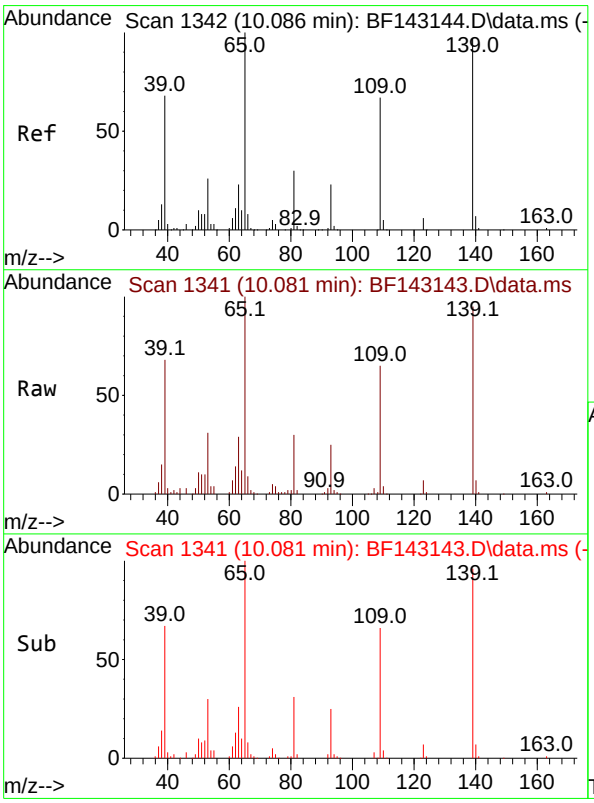
#55
Dibenzofuran
Concen: 20.806 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 582320

Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.5	44.3
169	13.1	10.9	16.3

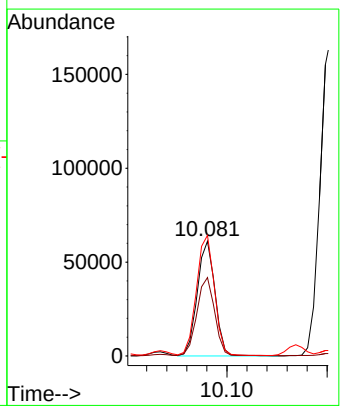


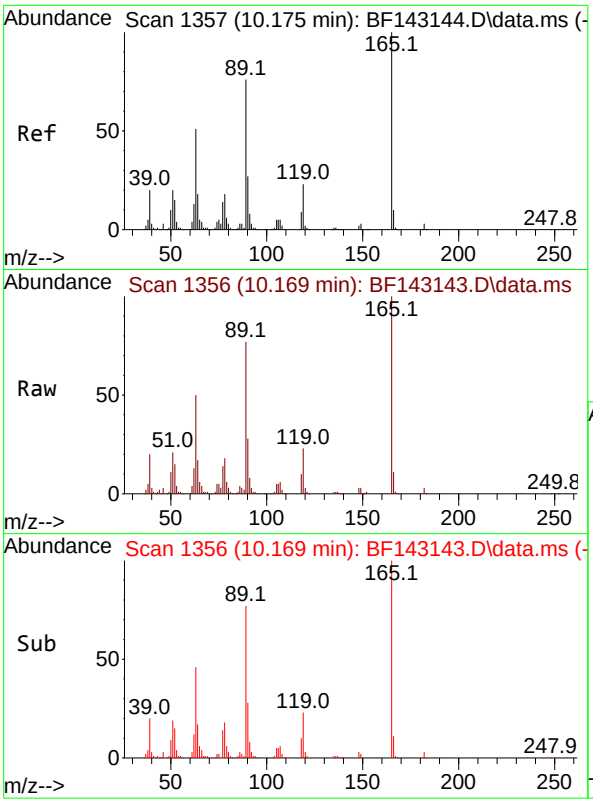


#56
4-Nitrophenol
Concen: 19.715 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:139 Resp: 75275

Ion	Ratio	Lower	Upper
139	100		
109	68.3	48.5	88.5
65	105.1	83.4	123.4



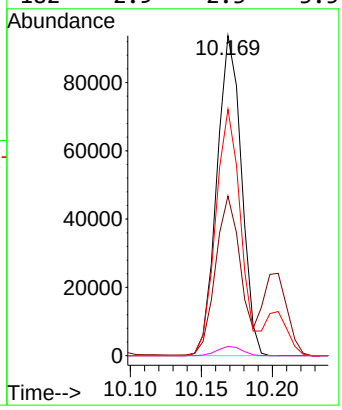


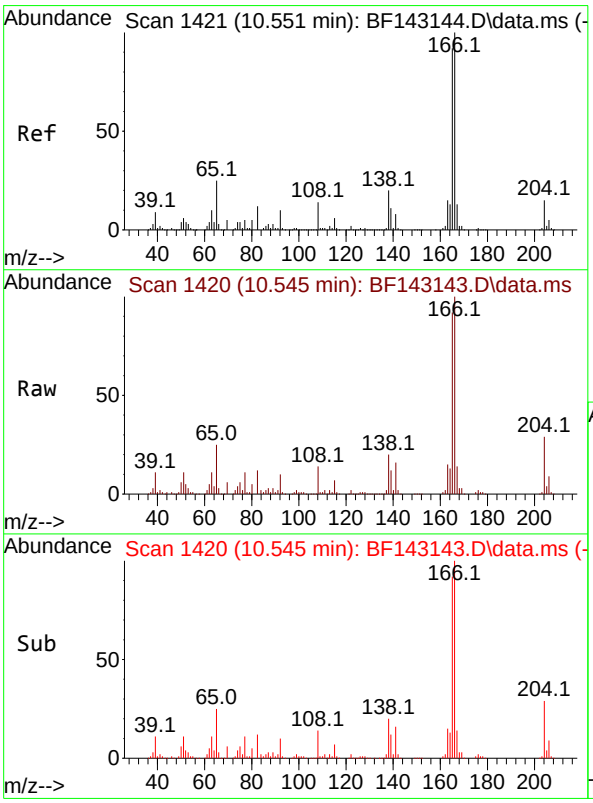
#57
2,4-Dinitrotoluene
Concen: 20.577 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 112851

Ion	Ratio	Lower	Upper
165	100		
63	49.9	41.0	61.4
89	77.0	61.1	91.7
182	2.9	2.3	3.5

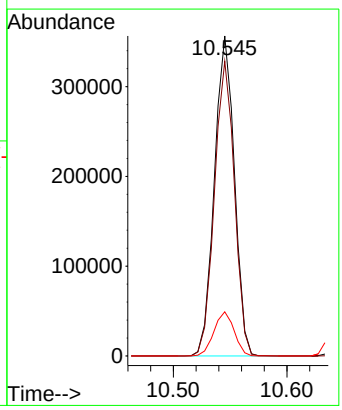


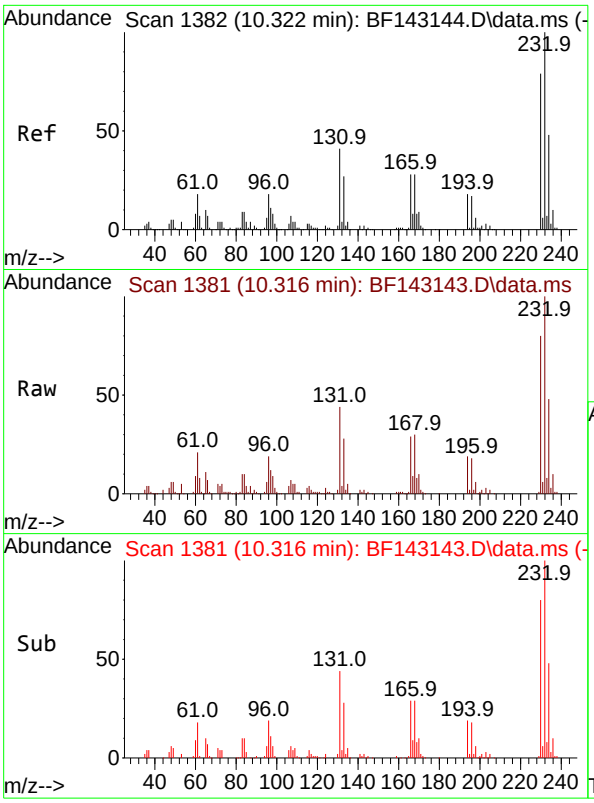


#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:166 Resp: 435866

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.8	10.6	16.0



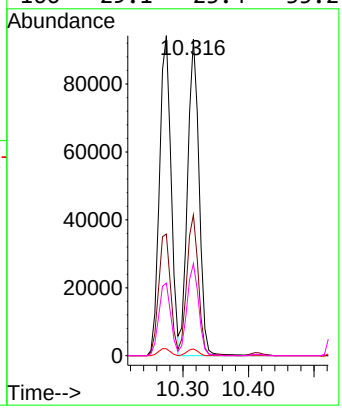


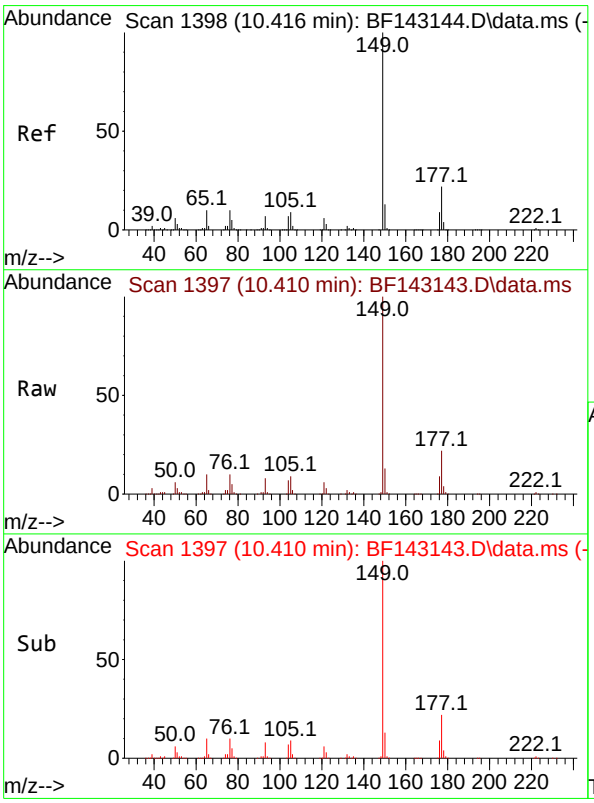
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.859 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 113851

Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.1	1.7	2.5
166	29.1	23.4	35.2

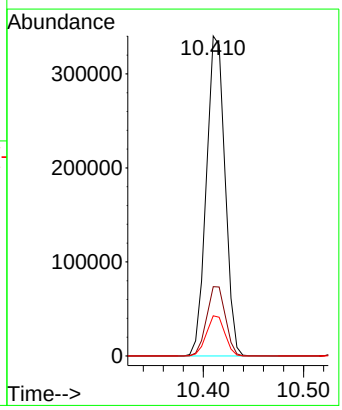


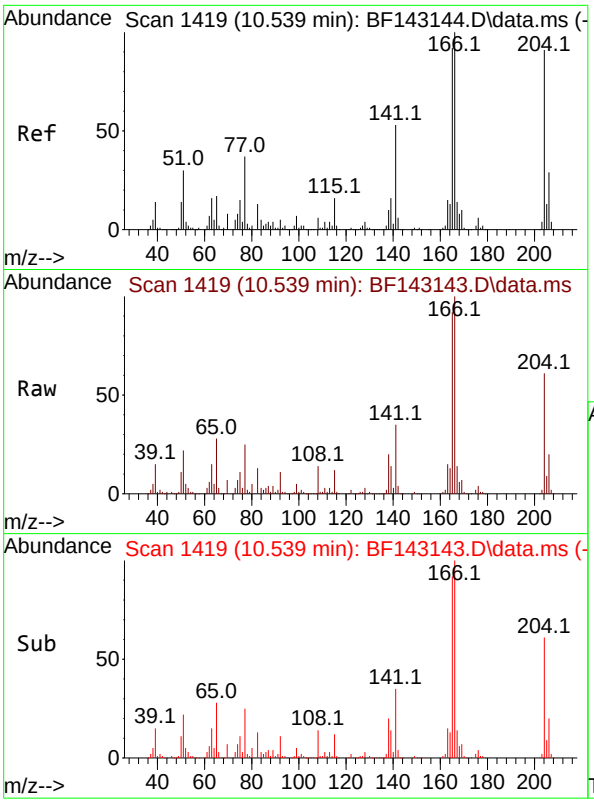


#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 440058

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.5	26.3
150	12.5	10.2	15.2



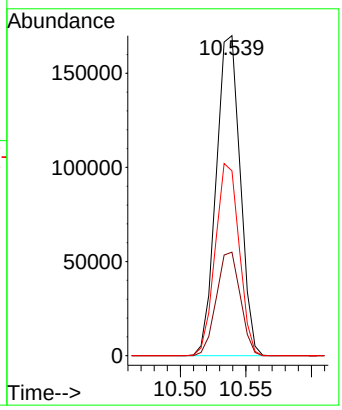


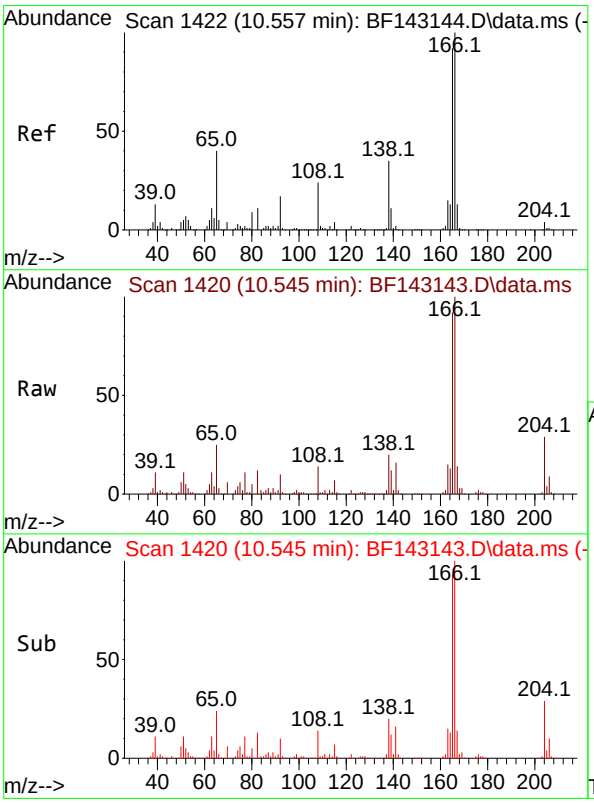
#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 216496

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	57.8	47.0	70.4

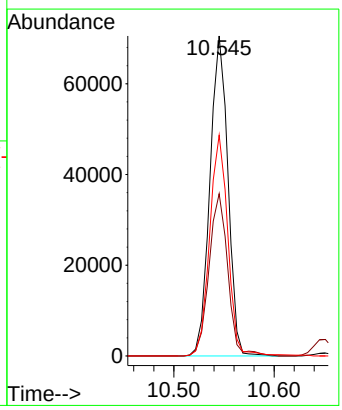


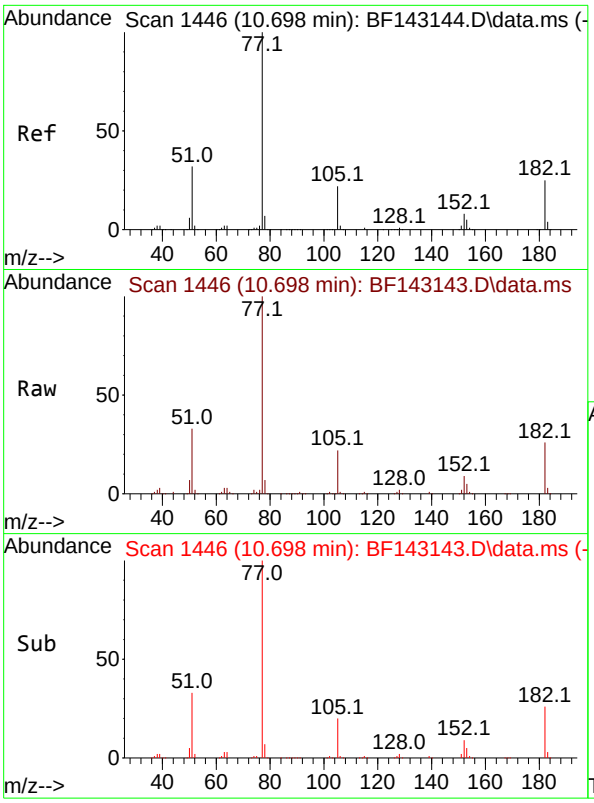


#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:138 Resp: 87666

Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.3	69.3
108	69.0	48.3	88.3



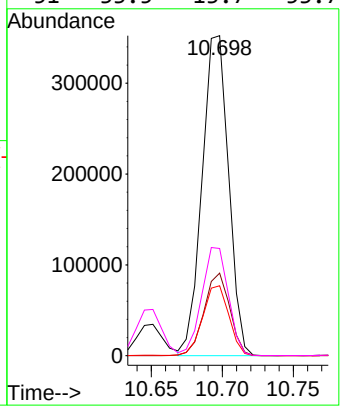


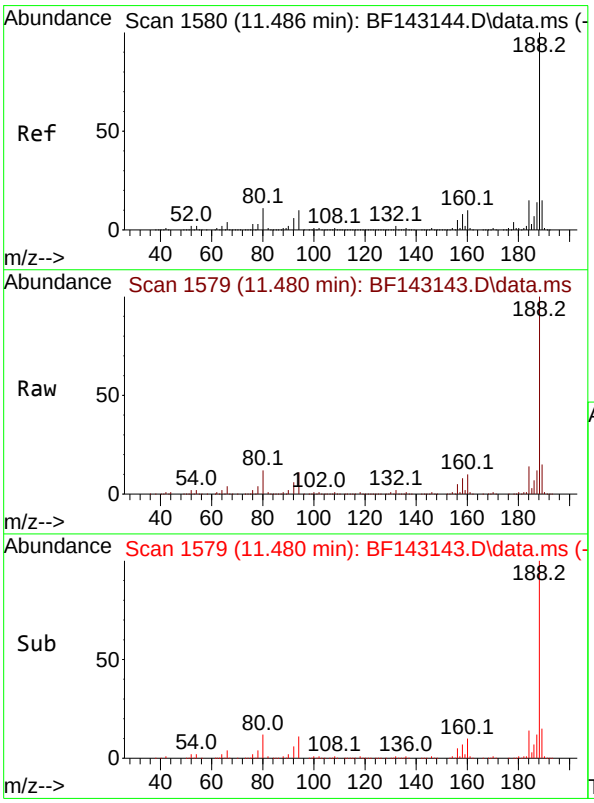
#63
Azobenzene
Concen: 20.690 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 458013

Ion	Ratio	Lower	Upper
77	100		
182	25.8	4.6	44.6
105	21.8	1.4	41.4
51	33.5	13.7	53.7

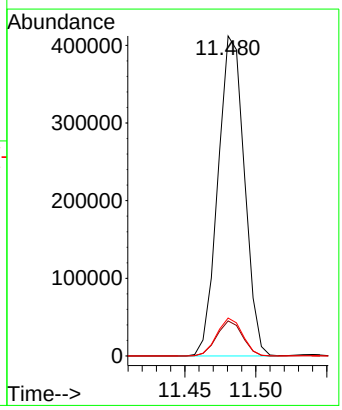


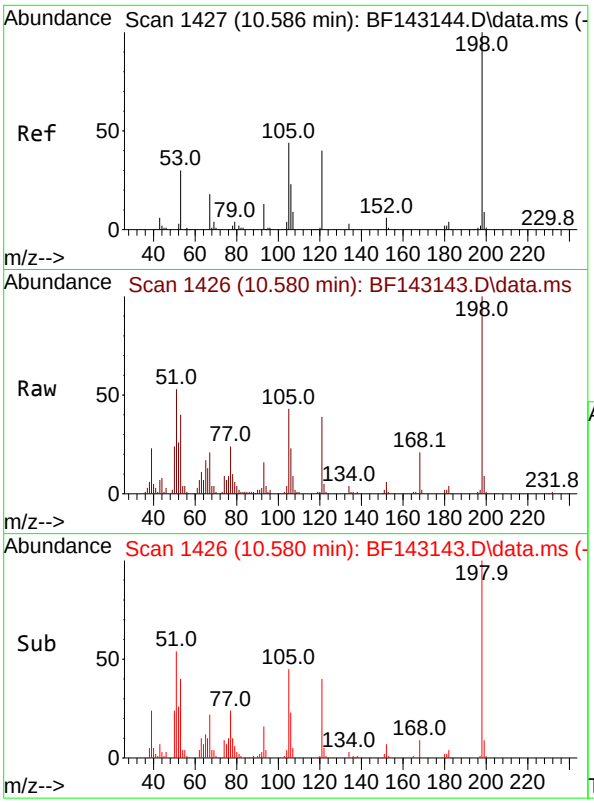


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:188 Resp: 532921

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.3	12.5
80	11.9	9.0	13.6



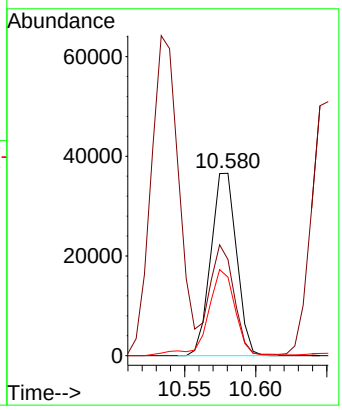


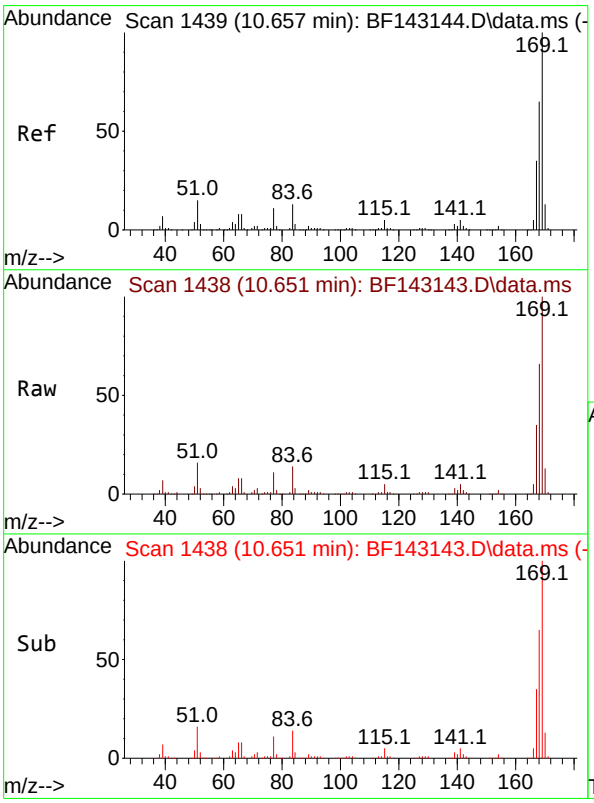
#65
4,6-Dinitro-2-methylphenol
Concen: 20.060 ng
RT: 10.580 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 46122

Ion	Ratio	Lower	Upper
198	100		
51	52.7	37.2	77.2
105	43.1	24.8	64.8

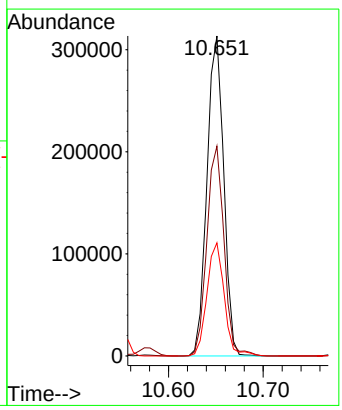


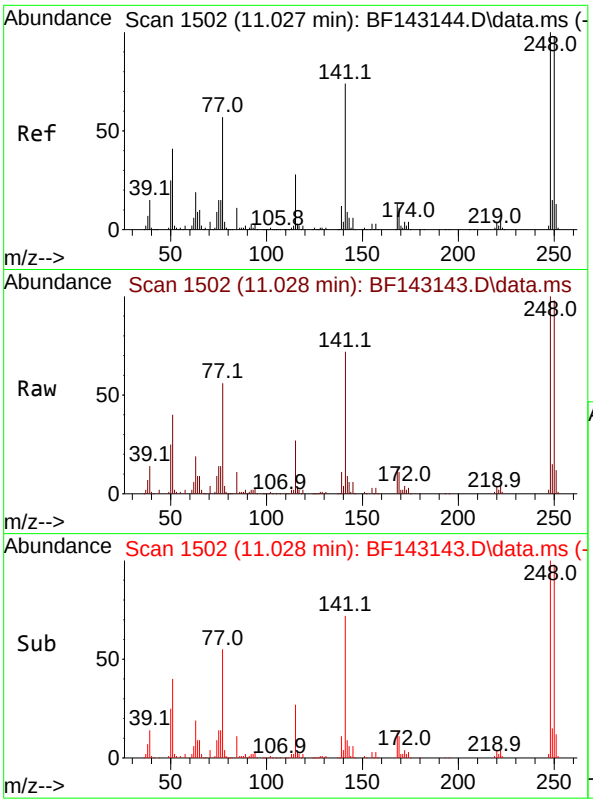


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:169 Resp: 384467

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.1	78.1
167	35.4	28.2	42.2



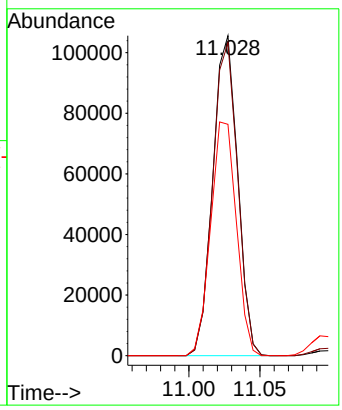


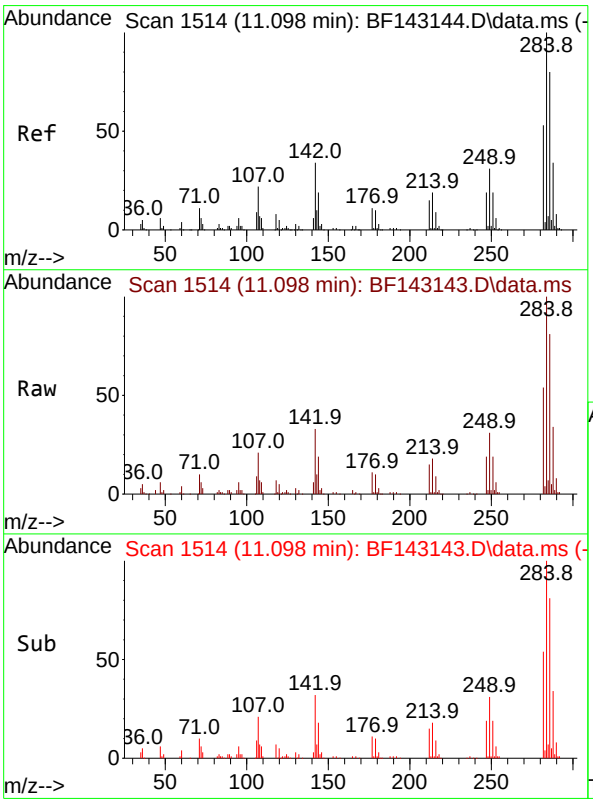
#67
4-Bromophenyl-phenylether
Concen: 20.259 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 128663

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.3	117.5
141	72.3	59.2	88.8

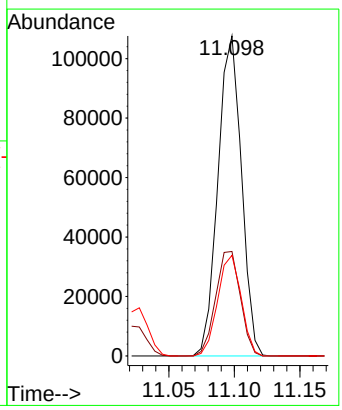


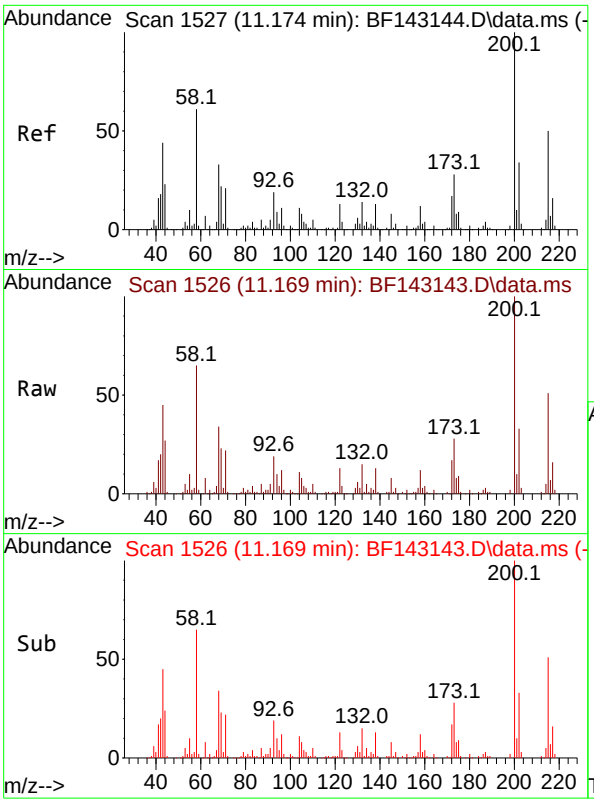


#68
Hexachlorobenzene
Concen: 20.191 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:284 Resp: 134031

Ion	Ratio	Lower	Upper
284	100		
142	32.7	27.0	40.6
249	31.5	25.0	37.6



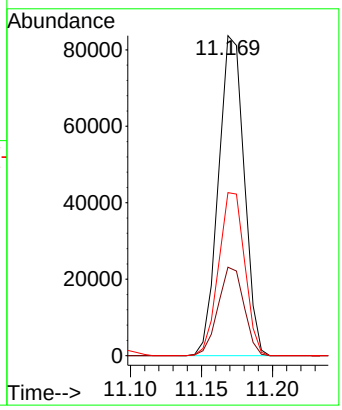


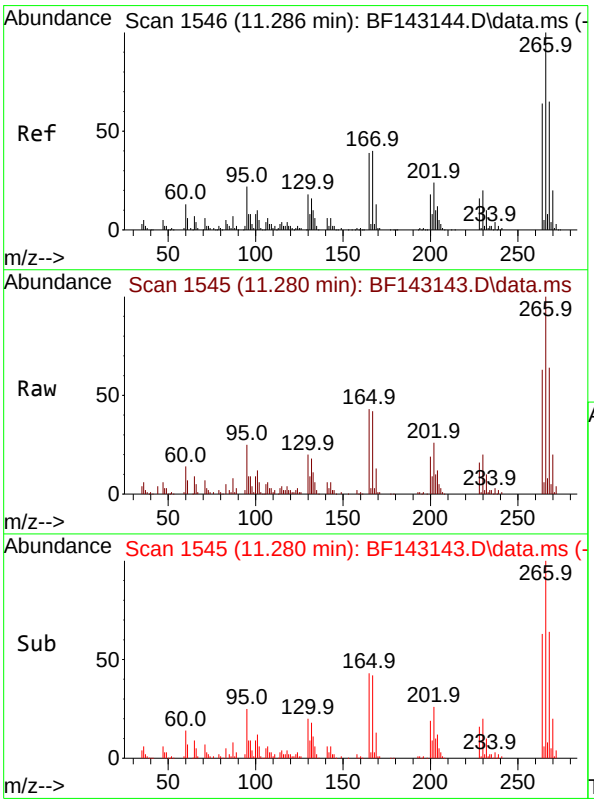
#69
Atrazine
Concen: 20.370 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 105386

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.9	47.9
215	51.0	30.1	70.1

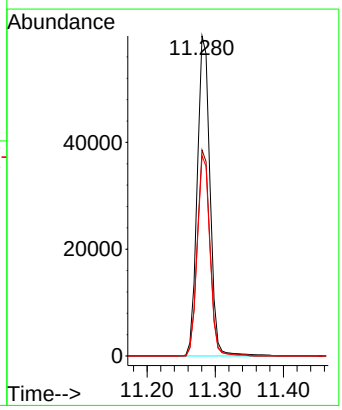


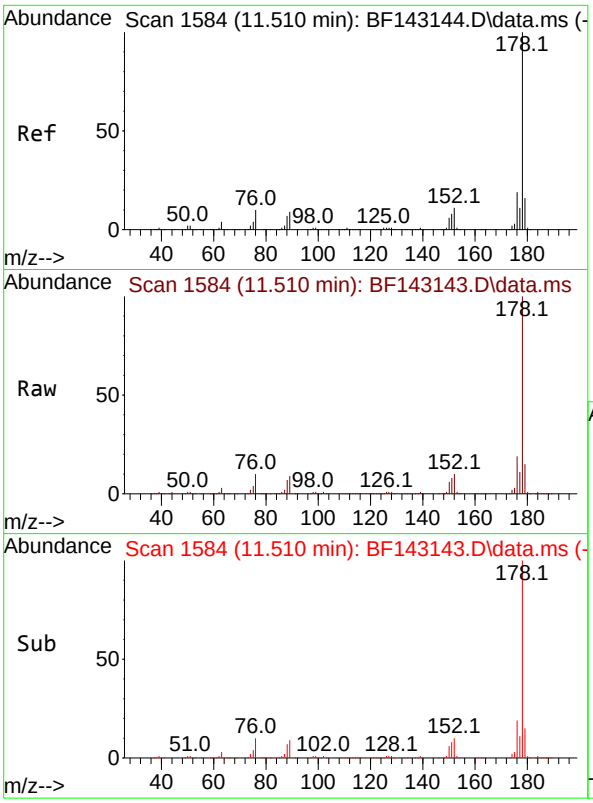


#70
Pentachlorophenol
Concen: 19.957 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:266 Resp: 77906

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.9	77.9
264	62.6	51.0	76.6



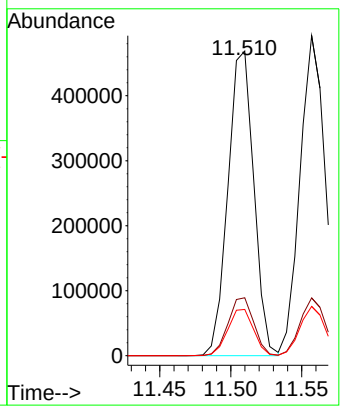


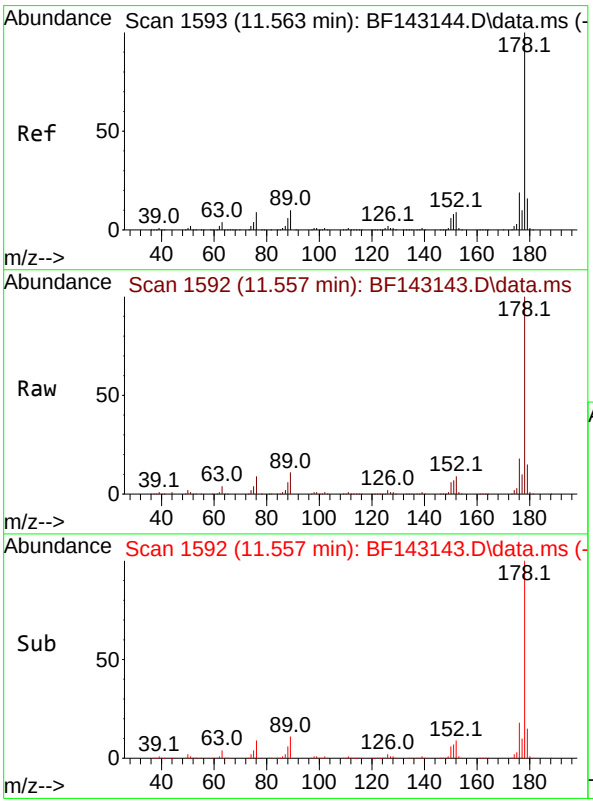
#71
Phenanthrene
Concen: 21.042 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 595411

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.5	18.7

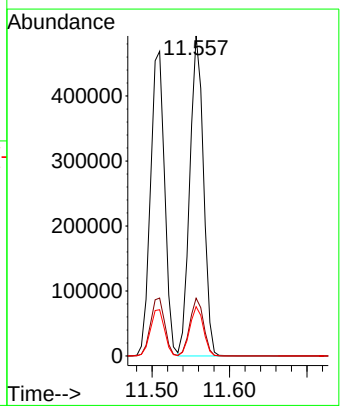


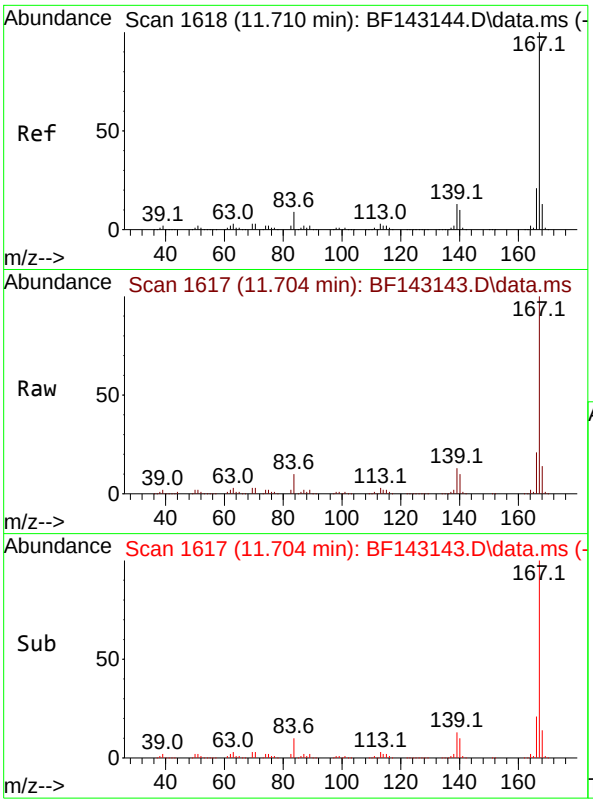


#72
Anthracene
Concen: 20.944 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:178 Resp: 604416

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	15.4	12.5	18.7



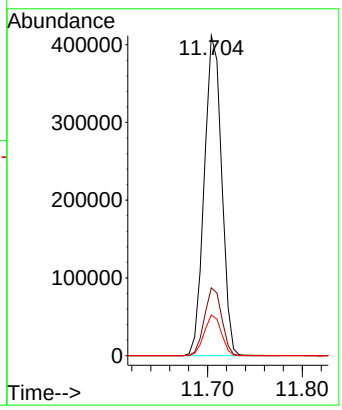


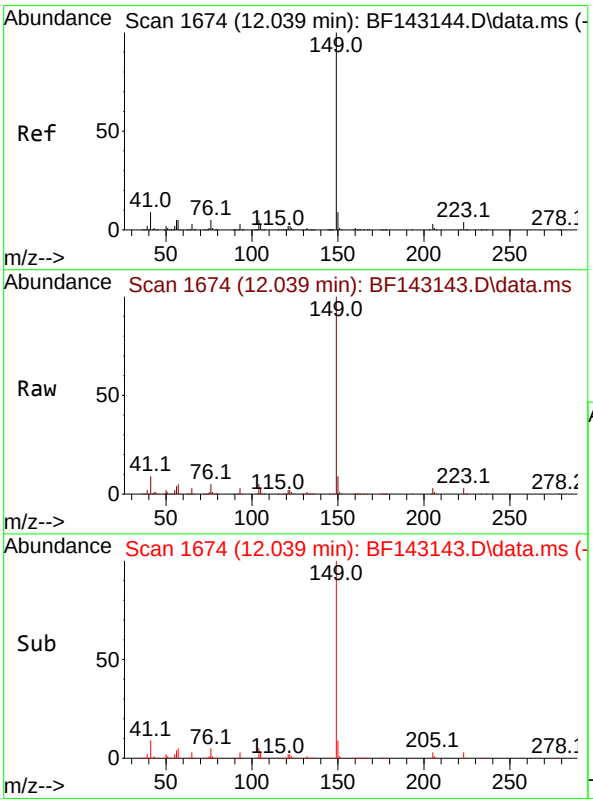
#73
Carbazole
Concen: 20.769 ng
RT: 11.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 523365

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.7	10.0	15.0

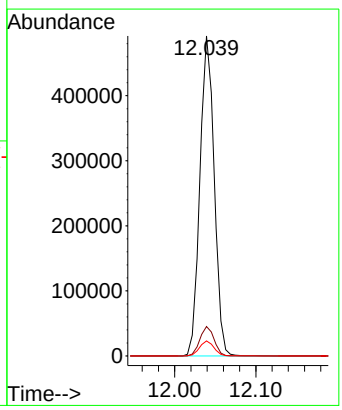


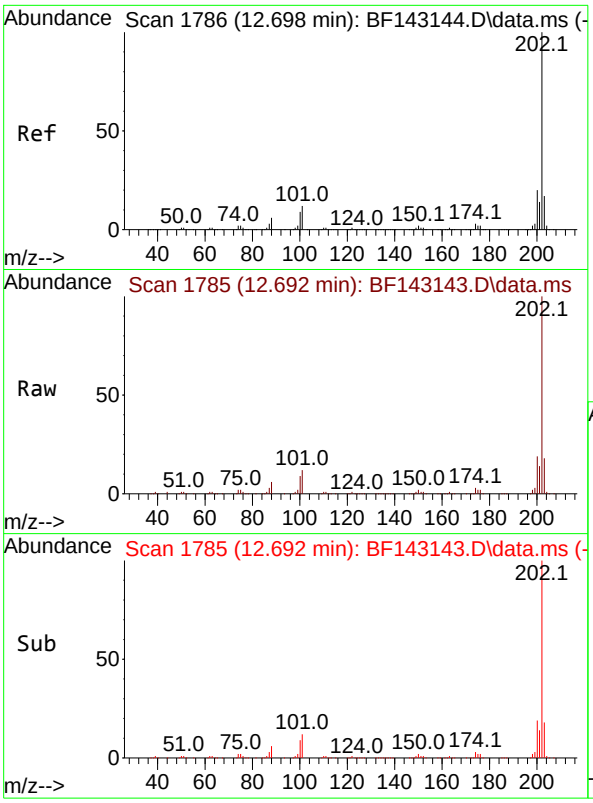


#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 601867

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.7	3.8	5.8



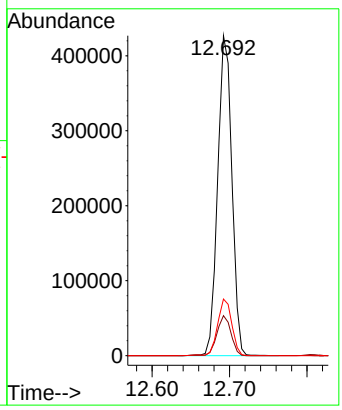


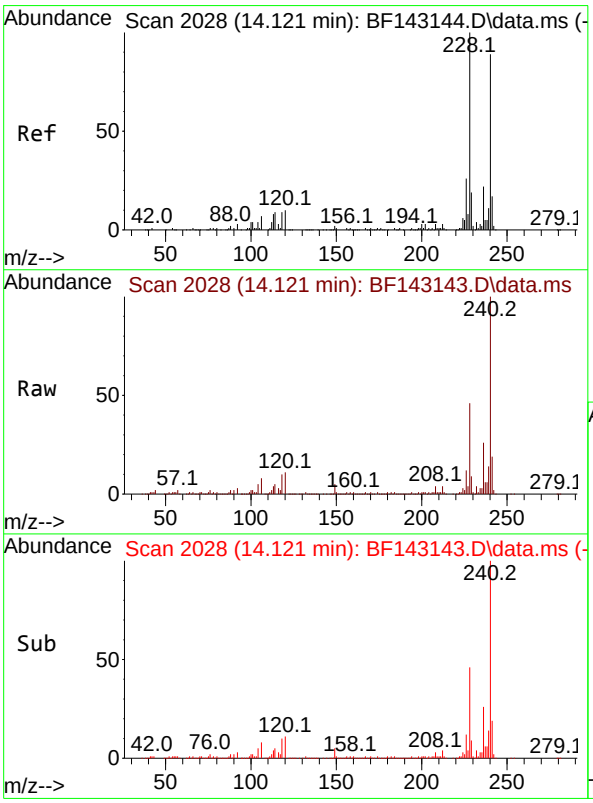
#75
Fluoranthene
Concen: 20.894 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 542662

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.7
203	17.7	0.0	37.4

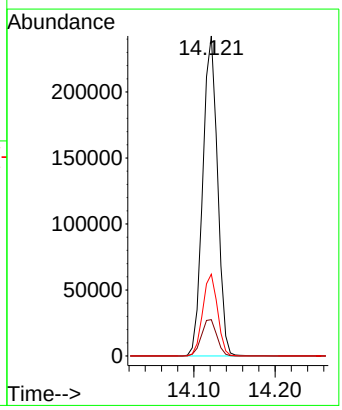


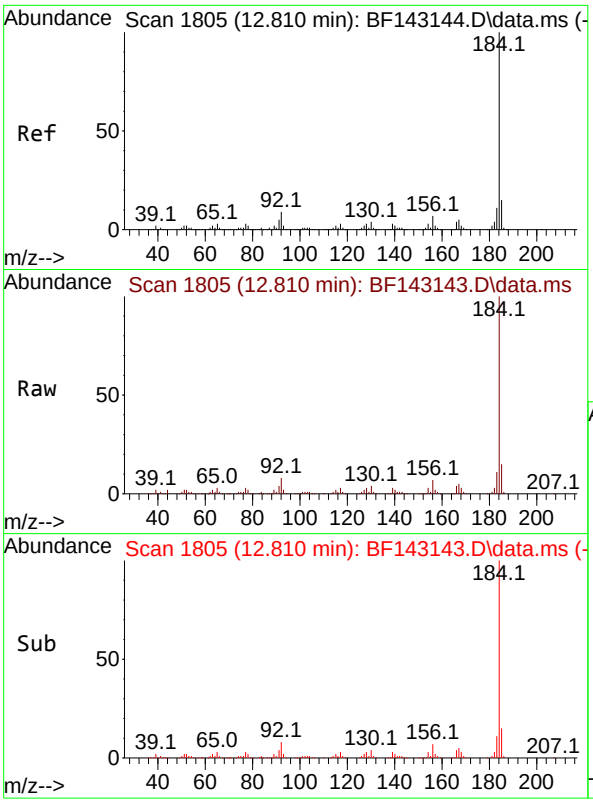


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:240 Resp: 305398

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.4	14.2
236	25.5	20.2	30.4



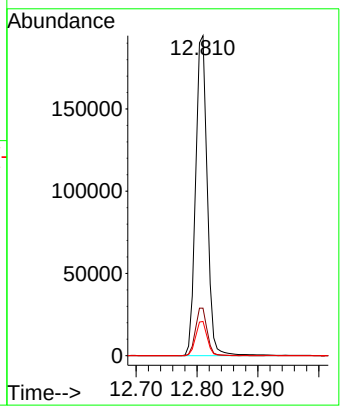


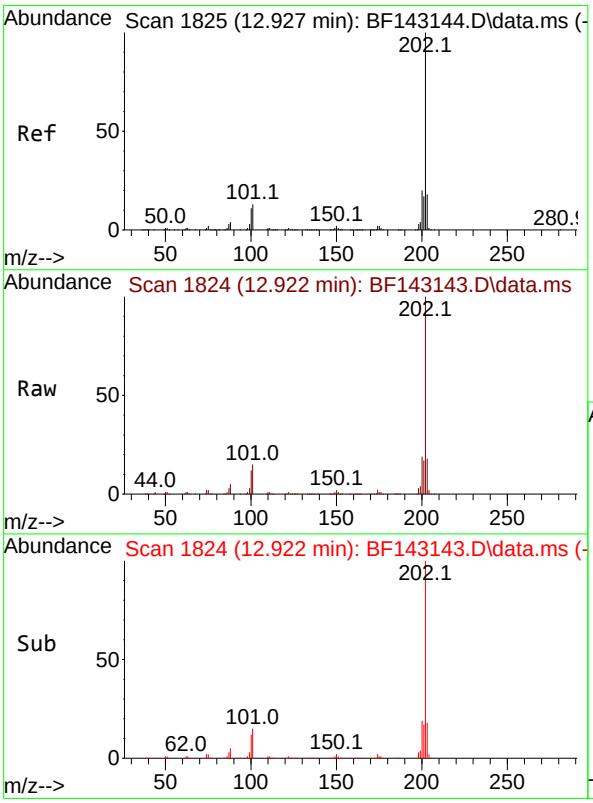
#77
Benzidine
Concen: 21.919 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 257904

Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.2	18.4
183	10.7	9.0	13.4

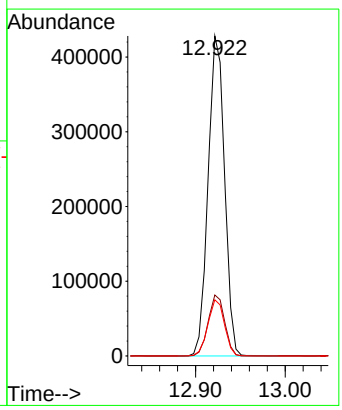


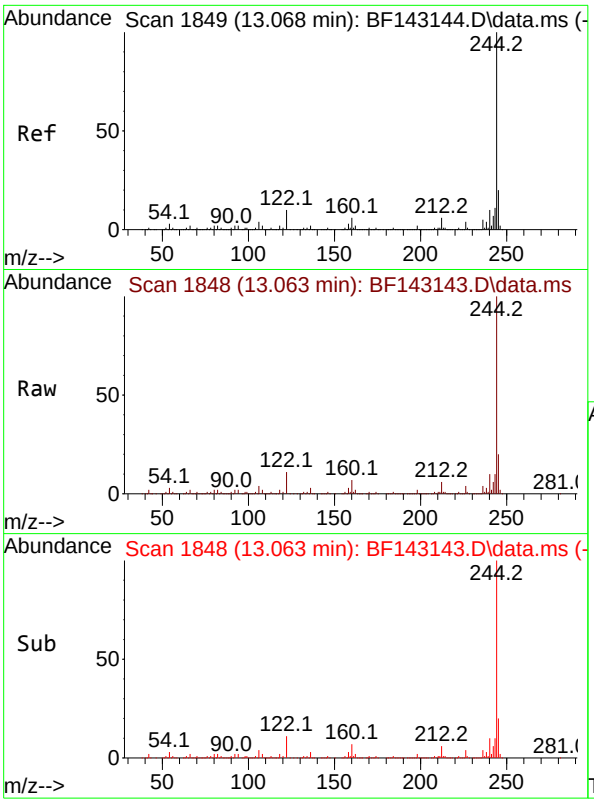


#78
Pyrene
Concen: 20.897 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:202 Resp: 544650

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.7	23.5
203	17.6	14.2	21.2



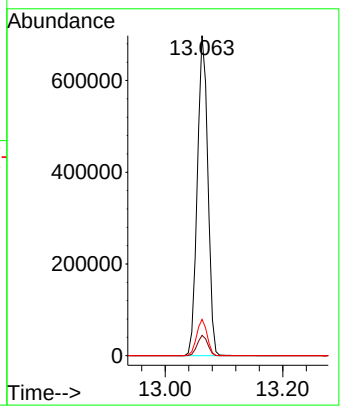


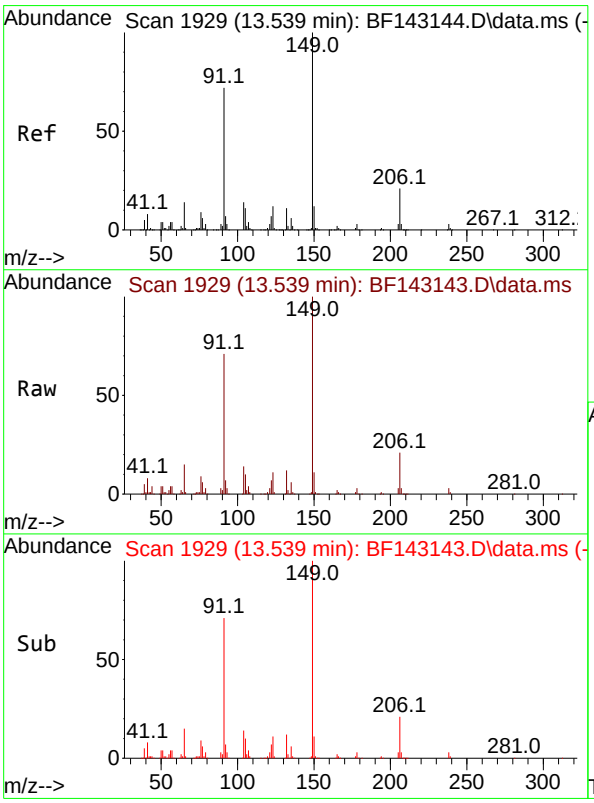
#79
Terphenyl-d14
Concen: 42.238 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 866830

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.3	8.2	12.2

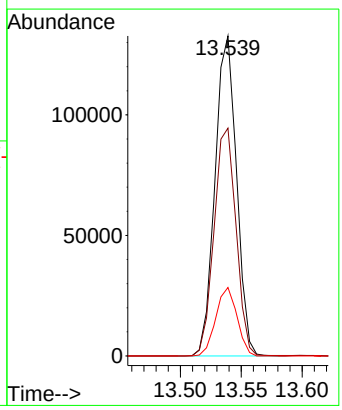


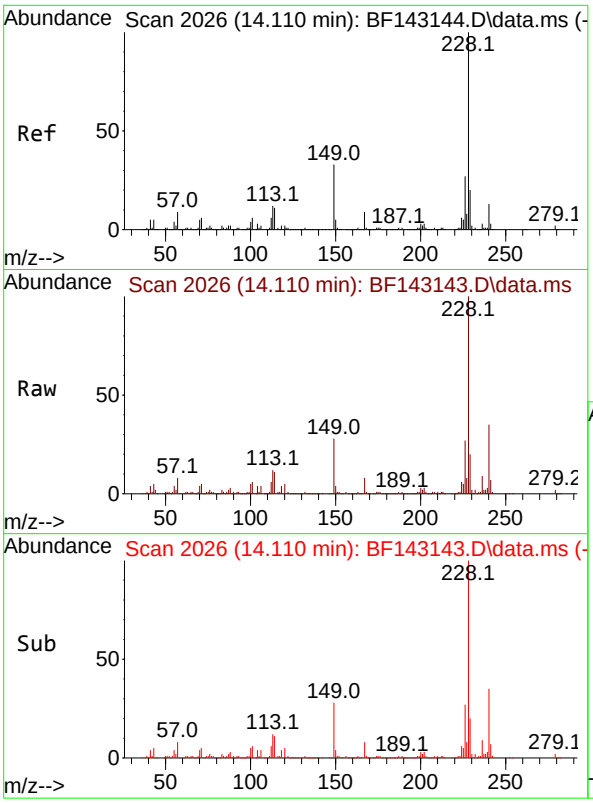


#80
Butylbenzylphthalate
Concen: 20.491 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 163546

Ion	Ratio	Lower	Upper
149	100		
91	71.2	57.9	86.9
206	21.4	17.0	25.4



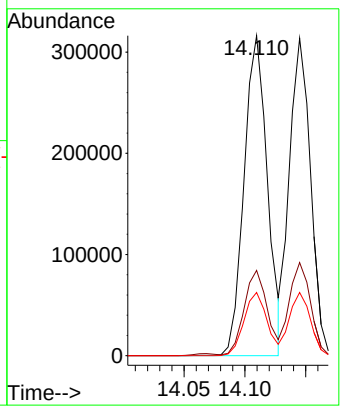


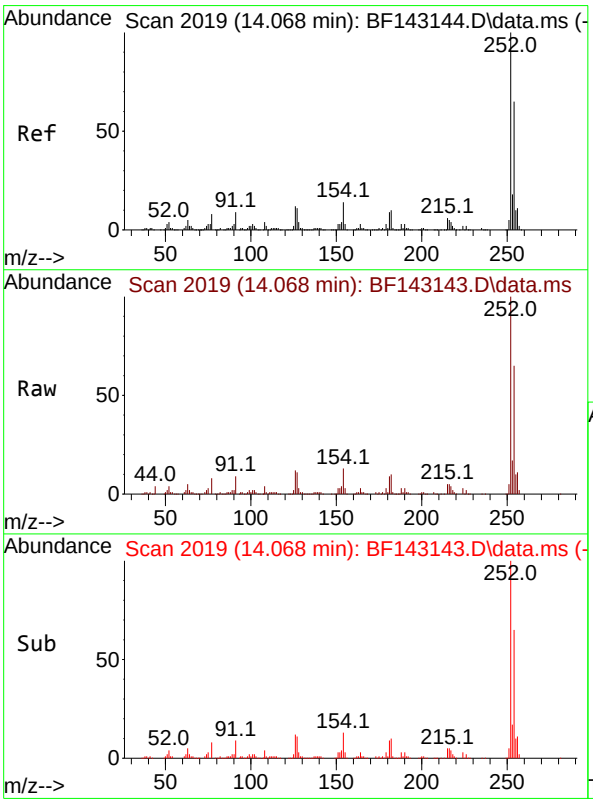
#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 421791

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.8	15.8	23.6

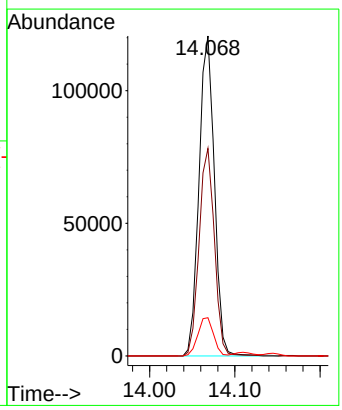


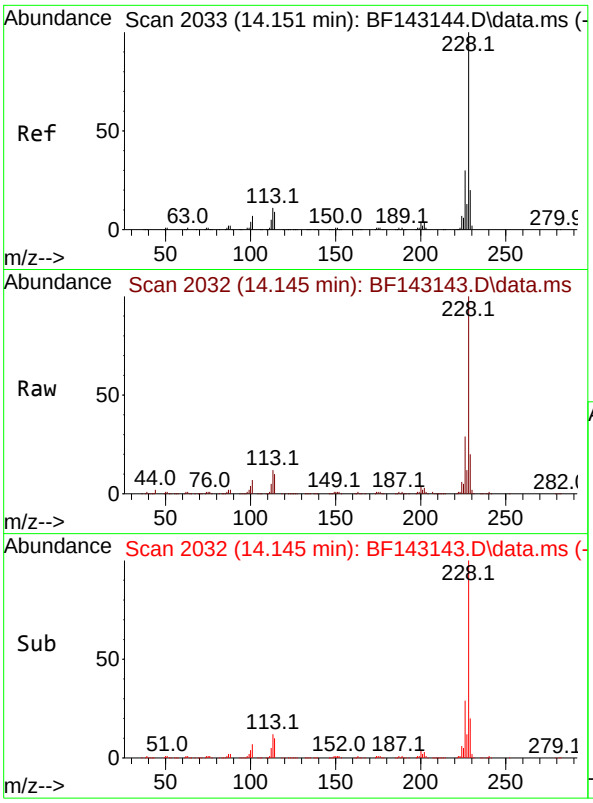


#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 151153

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	12.0	9.4	14.0



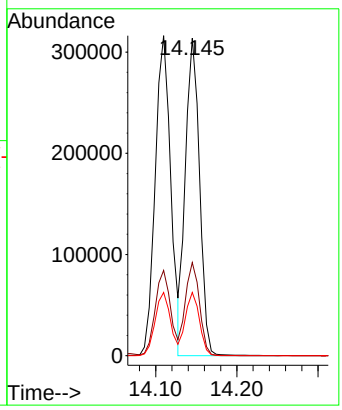


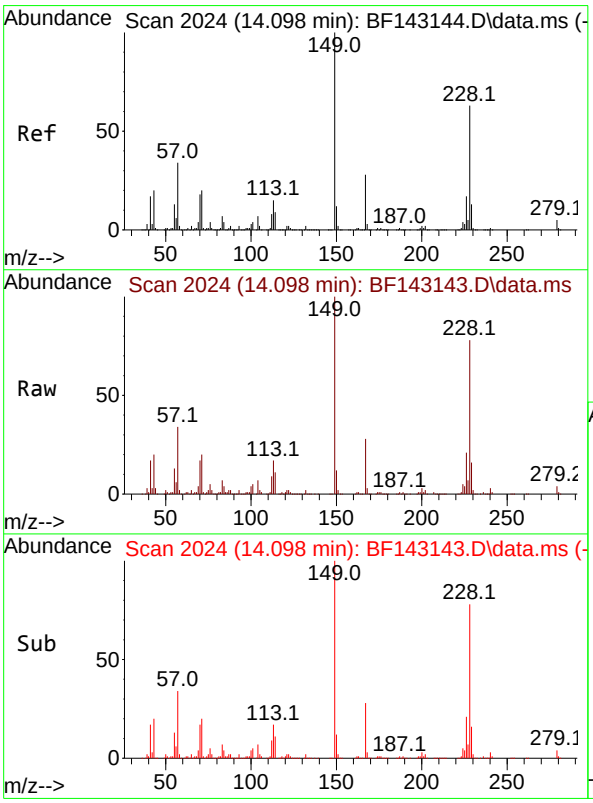
#83
Chrysene
Concen: 20.714 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 380799

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	19.9	15.6	23.4

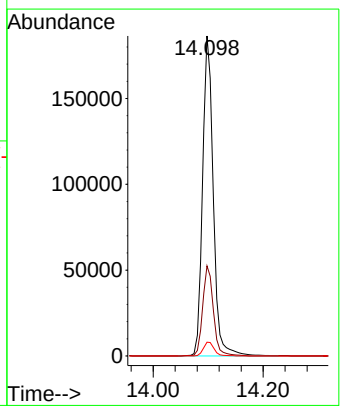


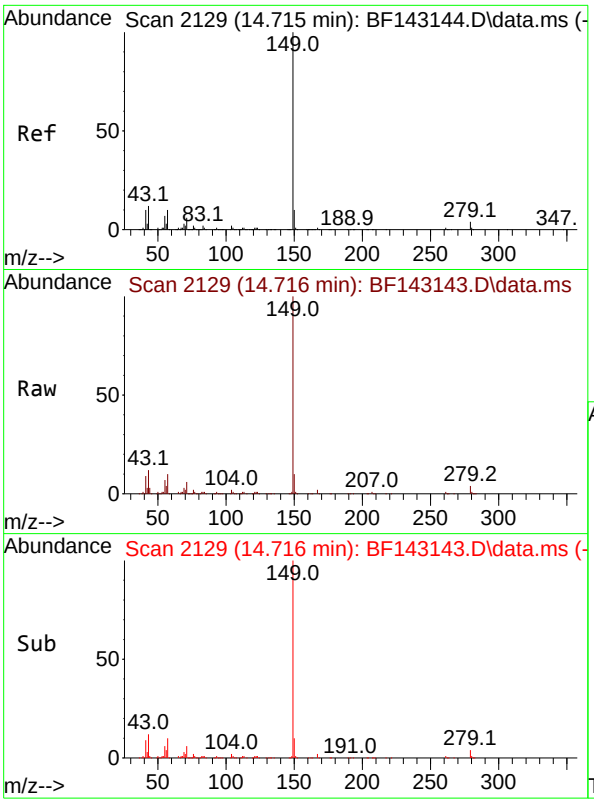


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.839 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:149 Resp: 251739

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.3	3.6	5.4



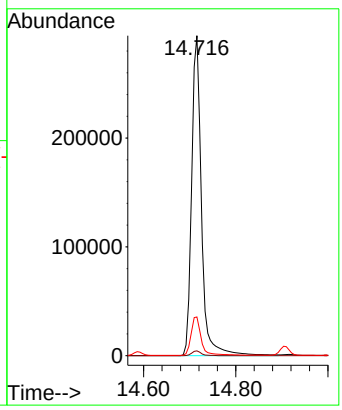


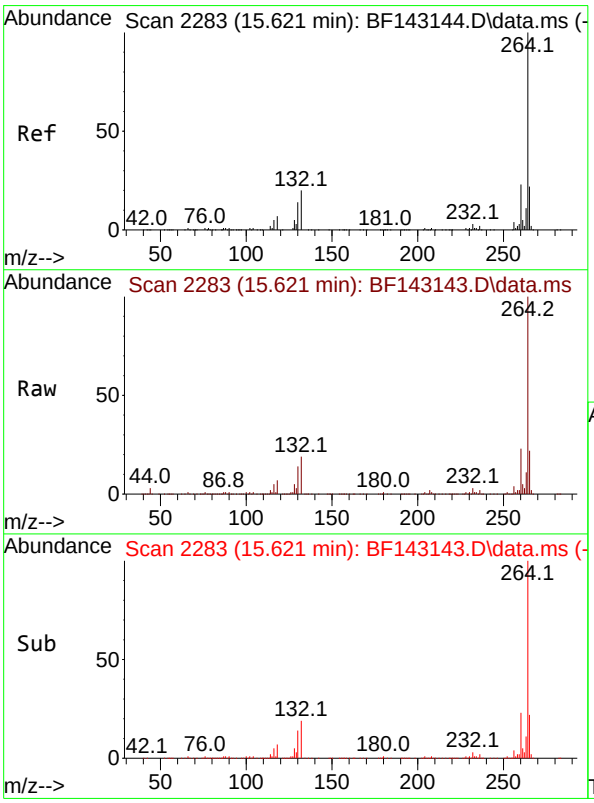
#85
Di-n-octyl phthalate
Concen: 19.916 ng
RT: 14.716 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 436102

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.4	9.7	14.5

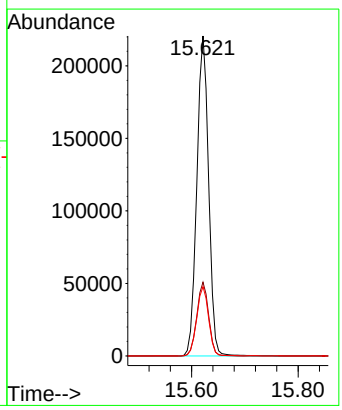


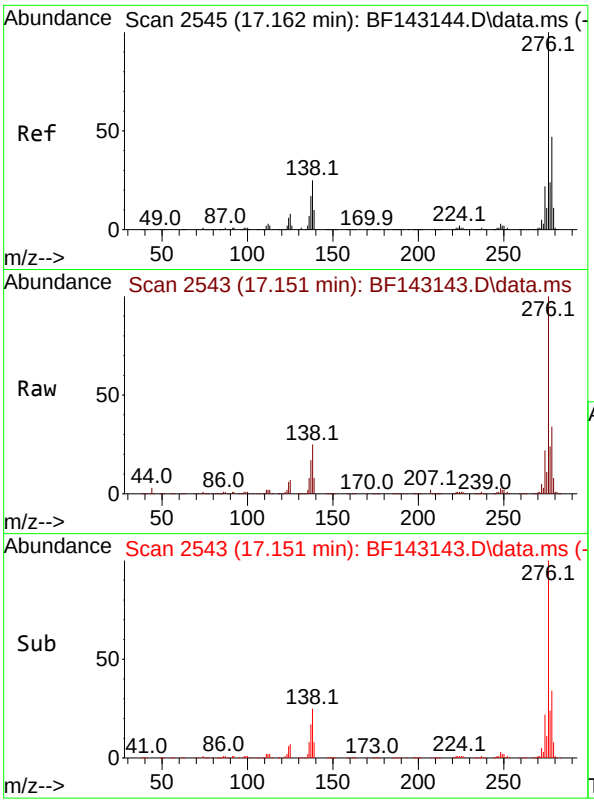


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:264 Resp: 338518

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.7	17.4	26.2



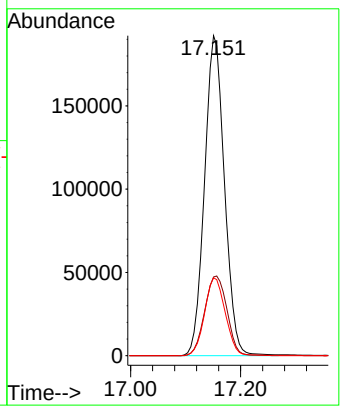


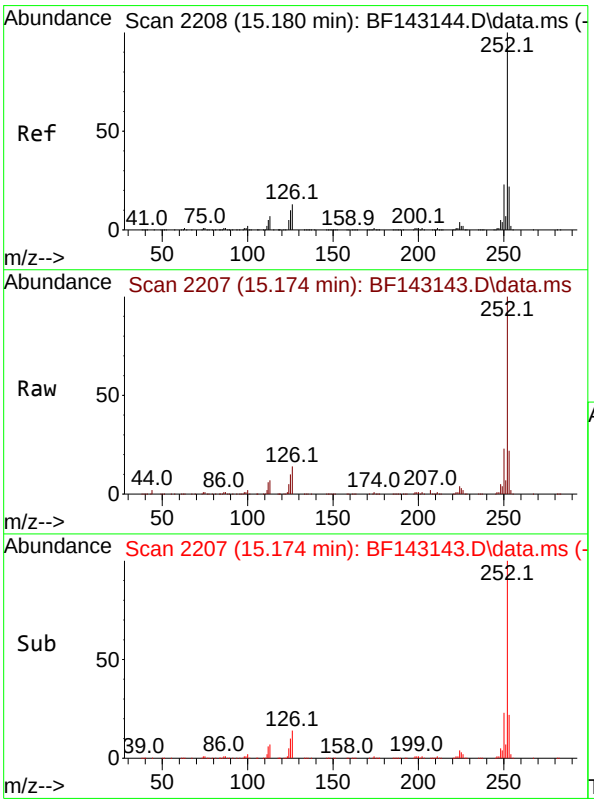
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.286 ng
RT: 17.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 484240

Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.8	32.6
277	25.3	20.0	30.0

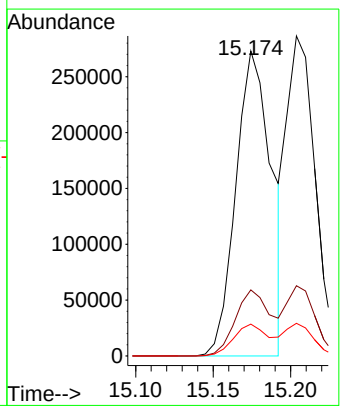


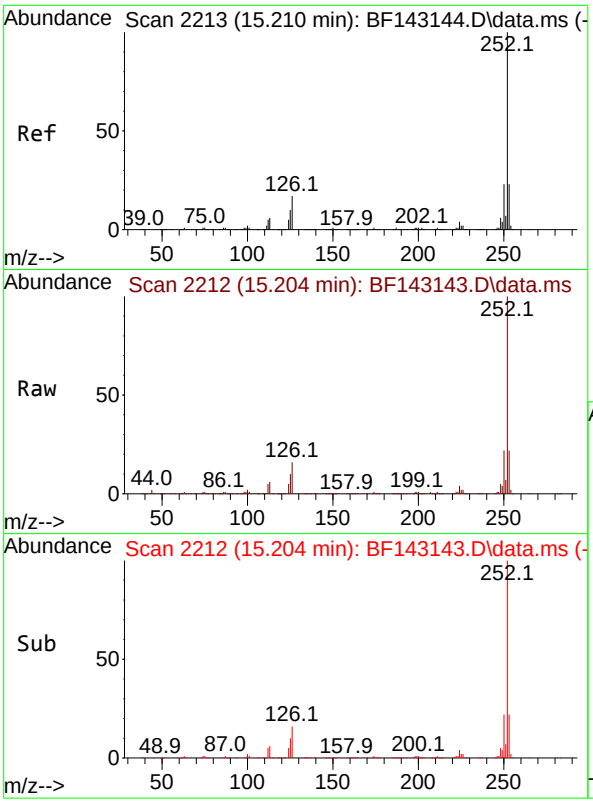


#88
Benzo(b)fluoranthene
Concen: 21.071 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 435747

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.4	8.0	12.0



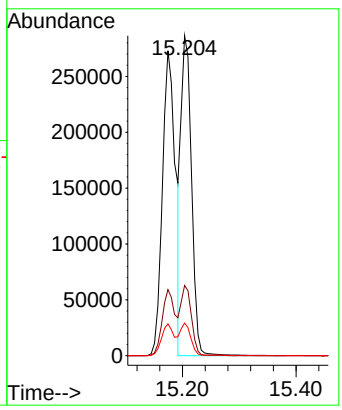


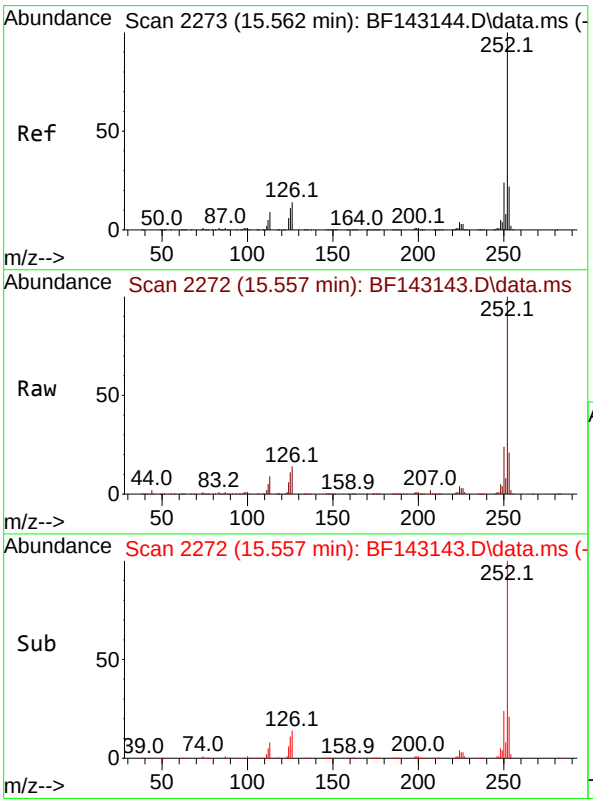
#89
Benzo(k)fluoranthene
Concen: 20.044 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 369899

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.2	8.1	12.1

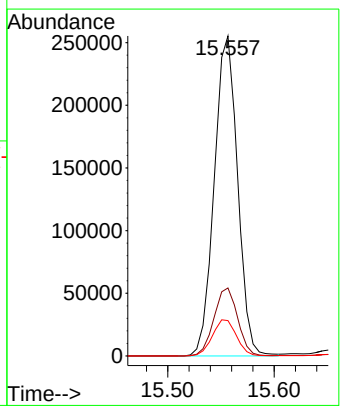


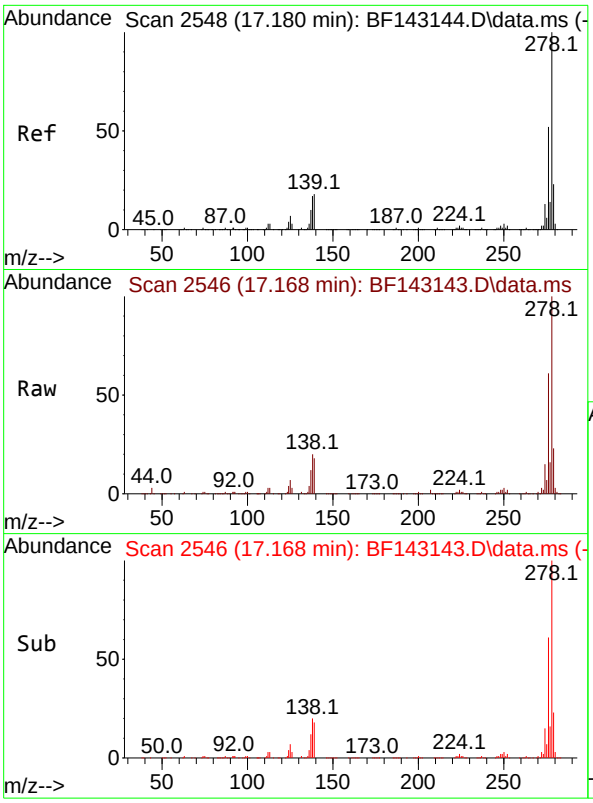


#90
Benzo(a)pyrene
Concen: 20.371 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:252 Resp: 388136

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.3	25.9
125	11.0	8.6	13.0



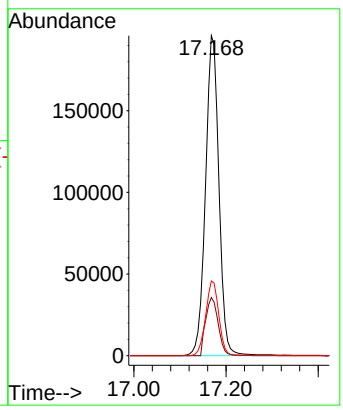


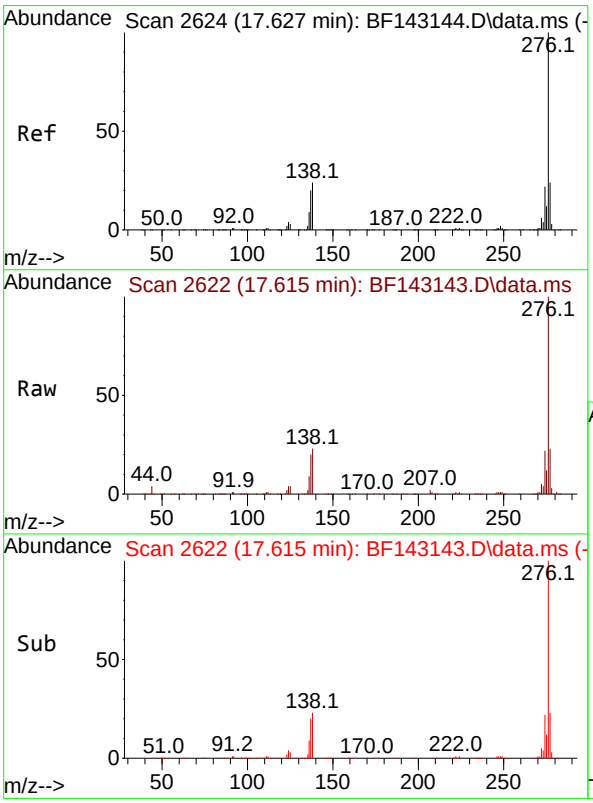
#91
Dibenzo(a,h)anthracene
Concen: 20.534 ng
RT: 17.168 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 398949

Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.1	21.1
279	23.4	18.6	28.0

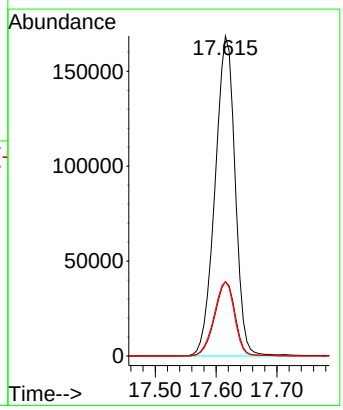




#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:276 Resp: 385915

Ion	Ratio	Lower	Upper
276	100		
277	23.3	19.1	28.7
138	23.3	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	167098	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	641413	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	331881	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	542726	20.000	ng	0.00
76) Chrysene-d12	14.121	240	296414	20.000	ng	0.00
86) Perylene-d12	15.621	264	323574	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	823062	77.946	ng	0.00
7) Phenol-d6	6.587	99	1038821	78.160	ng	0.00
23) Nitrobenzene-d5	7.522	82	1023138	79.512	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	279373	81.485	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1802398	74.274	ng	0.00
79) Terphenyl-d14	13.068	244	1554923	78.063	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.822	88	200396	40.108	ng	100
3) Pyridine	3.587	79	511417	39.435	ng	100
4) n-Nitrosodimethylamine	3.534	42	270676	40.426	ng	100
6) Aniline	6.622	93	736668	39.770	ng	100
8) 2-Chlorophenol	6.745	128	437914	39.565	ng	100
9) Benzaldehyde	6.516	77	482238	48.387	ng	100
10) Phenol	6.598	94	597136	41.241	ng	100
11) bis(2-Chloroethyl)ether	6.692	93	435450	39.279	ng	100
12) 1,3-Dichlorobenzene	6.904	146	468194	38.939	ng	100
13) 1,4-Dichlorobenzene	6.981	146	474015	39.147	ng	100
14) 1,2-Dichlorobenzene	7.134	146	448808	38.970	ng	100
15) Benzyl Alcohol	7.098	79	406107	40.017	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	808980	39.337	ng	100
17) 2-Methylphenol	7.204	107	366495	39.381	ng	100
18) Hexachloroethane	7.481	117	165263	39.425	ng	100
19) n-Nitroso-di-n-propyla...	7.375	70	329619	38.656	ng	100
20) 3+4-Methylphenols	7.357	107	448100	39.685	ng	100
22) Acetophenone	7.369	105	583796	38.444	ng	100
24) Nitrobenzene	7.545	77	481500	40.136	ng	100
25) Isophorone	7.781	82	888017	39.093	ng	100
26) 2-Nitrophenol	7.857	139	220354	42.323	ng	100
27) 2,4-Dimethylphenol	7.886	122	416128	39.210	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	529258	38.860	ng	100
29) 2,4-Dichlorophenol	8.098	162	353866	39.537	ng	100
30) 1,2,4-Trichlorobenzene	8.186	180	376590	38.947	ng	100
31) Naphthalene	8.269	128	1224033	38.749	ng	100
32) Benzoic acid	7.992	122	221775	38.306	ng	100
33) 4-Chloroaniline	8.310	127	500402	38.796	ng	100
34) Hexachlorobutadiene	8.386	225	231609	39.211	ng	100
35) Caprolactam	8.681	113	111733	41.312	ng	100
36) 4-Chloro-3-methylphenol	8.781	107	385507	39.628	ng	100
37) 2-Methylnaphthalene	8.957	142	744295	38.720	ng	100
38) 1-Methylnaphthalene	9.057	142	768508	38.825	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	365234	38.118	ng	100
41) Hexachlorocyclopentadiene	9.116	237	247480	39.695	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	255115	38.471	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	268615	40.494	ng	100
46) 1,1'-Biphenyl	9.422	154	988537	38.177	ng	100
47) 2-Chloronaphthalene	9.445	162	731879	38.200	ng	100
48) 2-Nitroaniline	9.533	65	249908	41.594	ng	100
49) Acenaphthylene	9.863	152	1234789	38.458	ng	100
50) Dimethylphthalate	9.716	163	848828	39.238	ng	100
51) 2,6-Dinitrotoluene	9.775	165	184242	41.866	ng	100
52) Acenaphthene	10.033	154	727386	38.330	ng	100
53) 3-Nitroaniline	9.945	138	210179	40.832	ng	100
54) 2,4-Dinitrophenol	10.045	184	69157	38.449	ng	100
55) Dibenzofuran	10.204	168	1083678	38.462	ng	100
56) 4-Nitrophenol	10.086	139	163009	42.408	ng	100
57) 2,4-Dinitrotoluene	10.175	165	235101	42.581	ng	100
58) Fluorene	10.551	166	804336	38.037	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	220872	40.196	ng	100
60) Diethylphthalate	10.416	149	842184	39.387	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	406477	38.604	ng	100
62) 4-Nitroaniline	10.557	138	185530	42.055	ng	100
63) Azobenzene	10.698	77	876387	39.326	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	105533	38.322	ng	100
66) n-Nitrosodiphenylamine	10.657	169	731532	38.278	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	247764	38.307	ng	100
68) Hexachlorobenzene	11.098	284	259758	38.424	ng	100
69) Atrazine	11.174	200	212970	40.421	ng	100
70) Pentachlorophenol	11.286	266	161013	40.500	ng	100
71) Phenanthrene	11.510	178	1107412	38.429	ng	100
72) Anthracene	11.563	178	1126710	38.336	ng	100
73) Carbazole	11.710	167	1008669	39.304	ng	100
74) Di-n-butylphthalate	12.039	149	1165443	40.135	ng	100
75) Fluoranthene	12.698	202	1034509	39.111	ng	100
77) Benzidine	12.810	184	564732	49.451	ng	100
78) Pyrene	12.927	202	1016822	40.195	ng	100
80) Butylbenzylphthalate	13.539	149	322273	41.603	ng	100
81) Benzo(a)anthracene	14.110	228	759726	38.283	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	254099	38.418	ng	100
83) Chrysene	14.151	228	715222	40.085	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	467892	39.906	ng	100
85) Di-n-octyl phthalate	14.715	149	820264	38.595	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	914626	40.086	ng	100
88) Benzo(b)fluoranthene	15.180	252	742346	37.554	ng	100
89) Benzo(k)fluoranthene	15.210	252	733635	41.591	ng	100
90) Benzo(a)pyrene	15.562	252	725344	39.826	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	742180	39.964	ng	100
92) Benzo(g,h,i)perylene	17.627	276	717648	39.949	ng	100

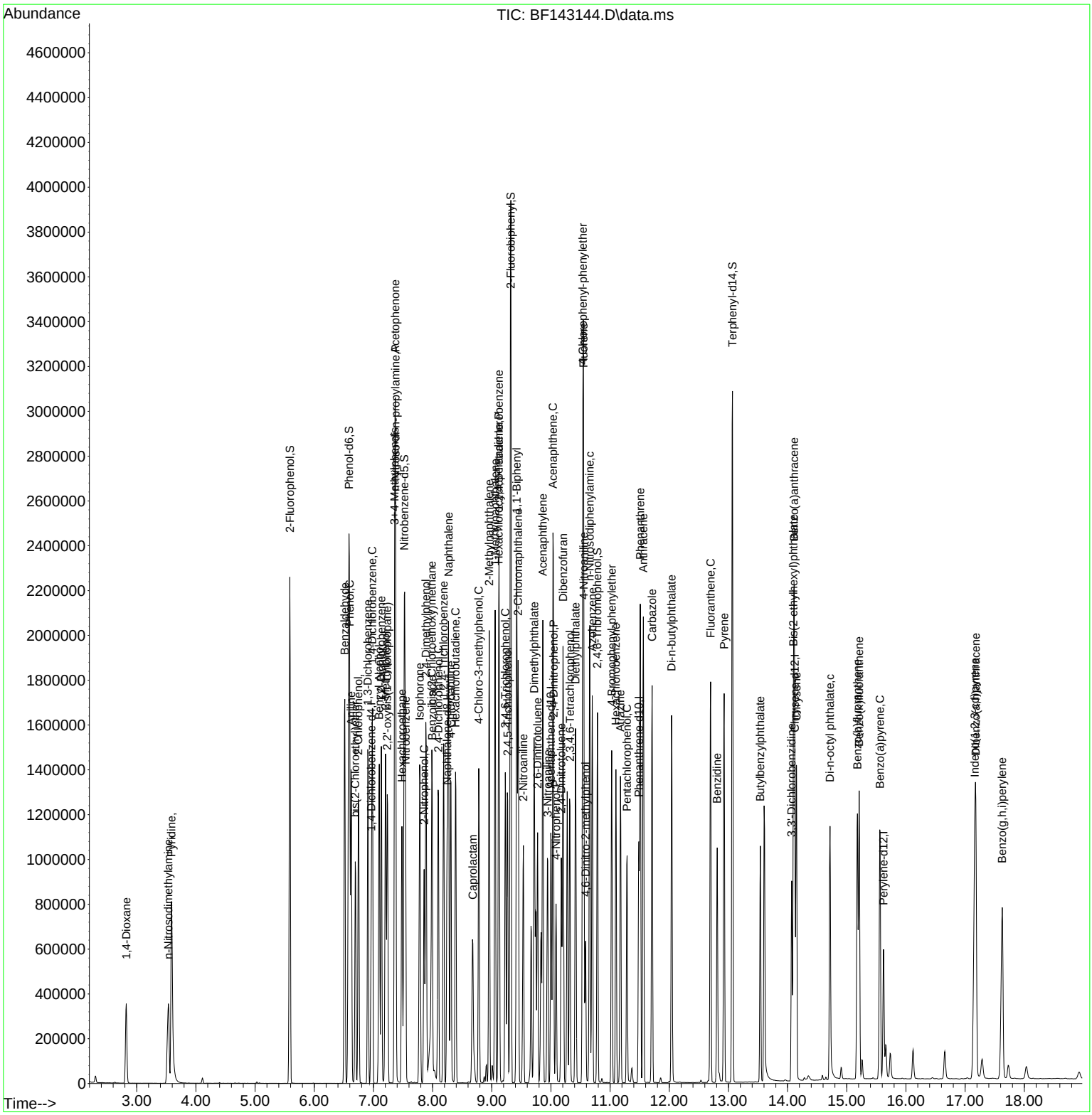
(#) = qualifier out of range (m) = manual integration (+) = signals summed

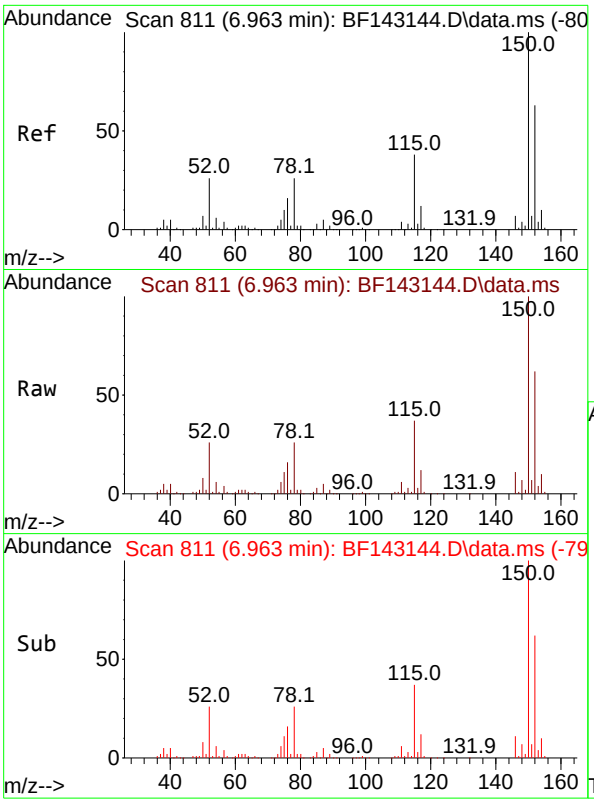
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



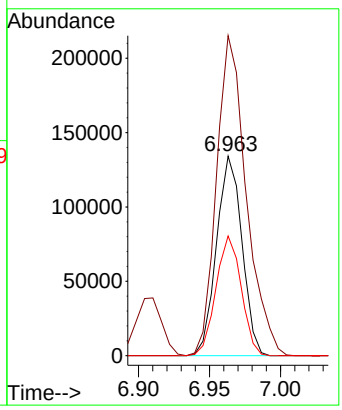


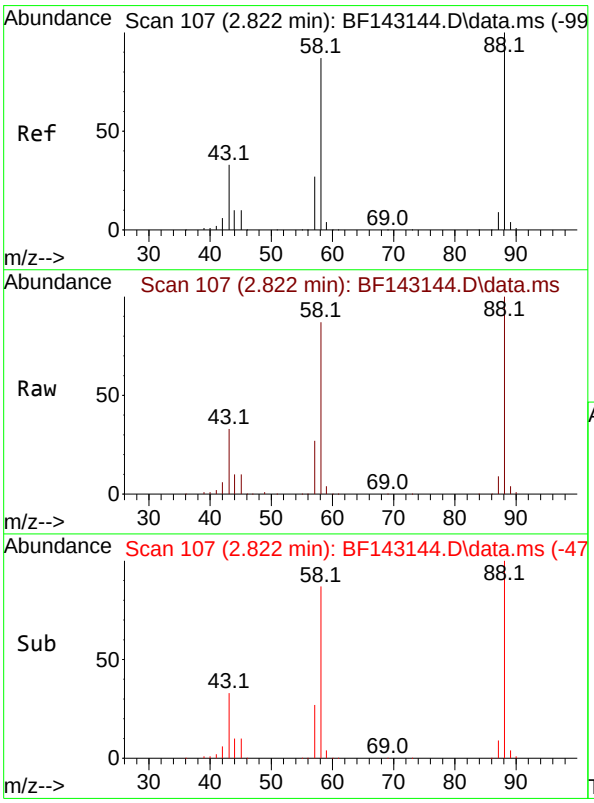
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 167098

Ion	Ratio	Lower	Upper
152	100		
150	160.3	128.2	192.4
115	59.9	47.9	71.9

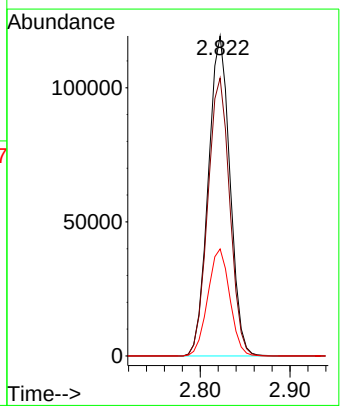


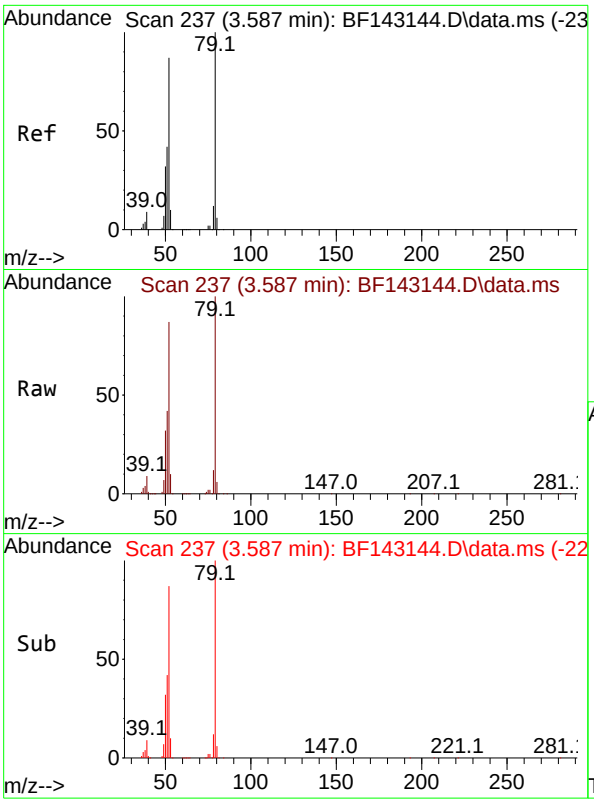


#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 88 Resp: 200396

Ion	Ratio	Lower	Upper
88	100		
58	87.7	70.2	105.2
43	33.9	27.1	40.7



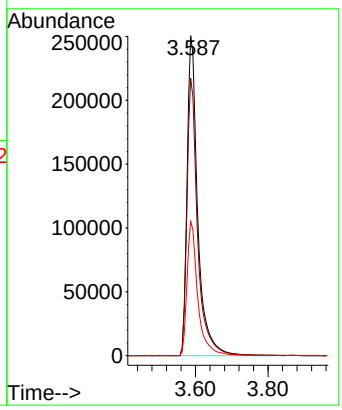


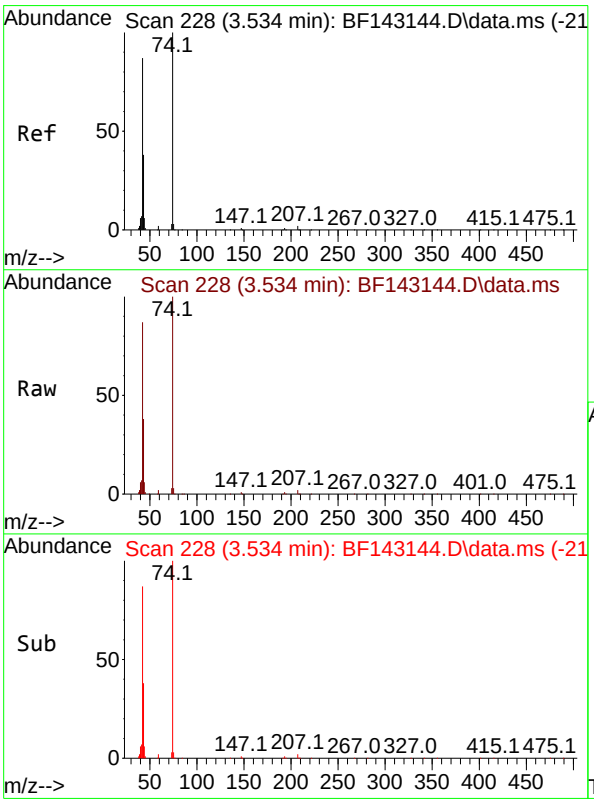
#3
Pyridine
Concen: 39.435 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 511417

Ion	Ratio	Lower	Upper
79	100		
52	86.8	69.4	104.2
51	41.9	33.5	50.3

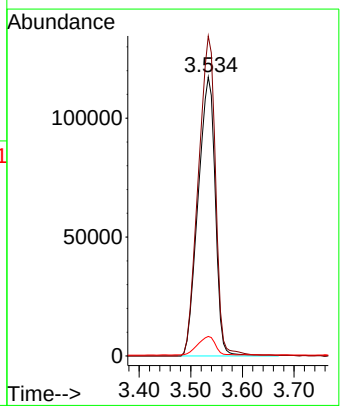


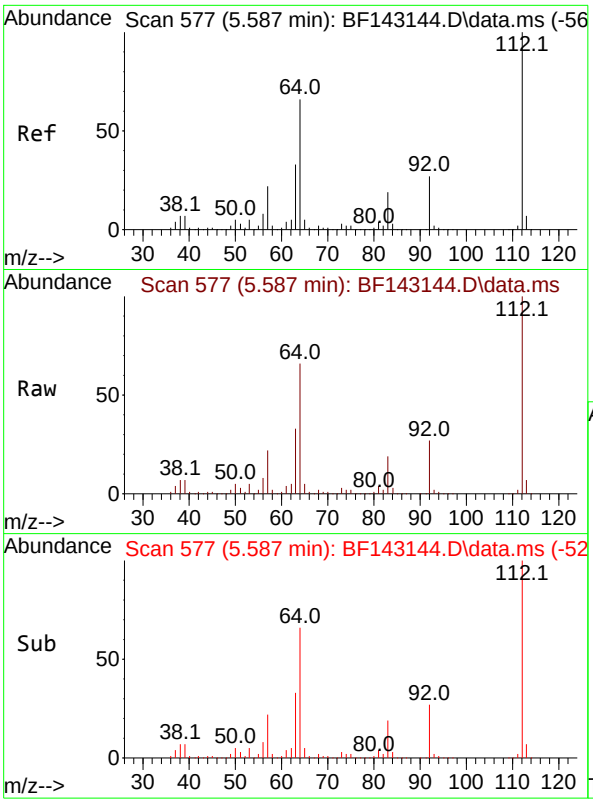


#4
n-Nitrosodimethylamine
Concen: 40.426 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 42 Resp: 270676

Ion	Ratio	Lower	Upper
42	100		
74	114.6	91.7	137.5
44	7.0	5.6	8.4



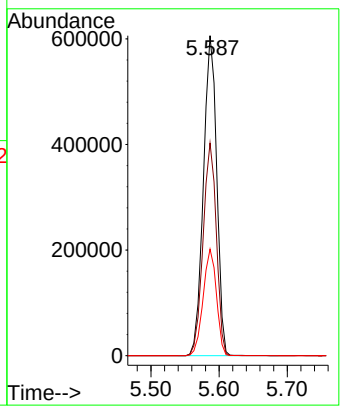


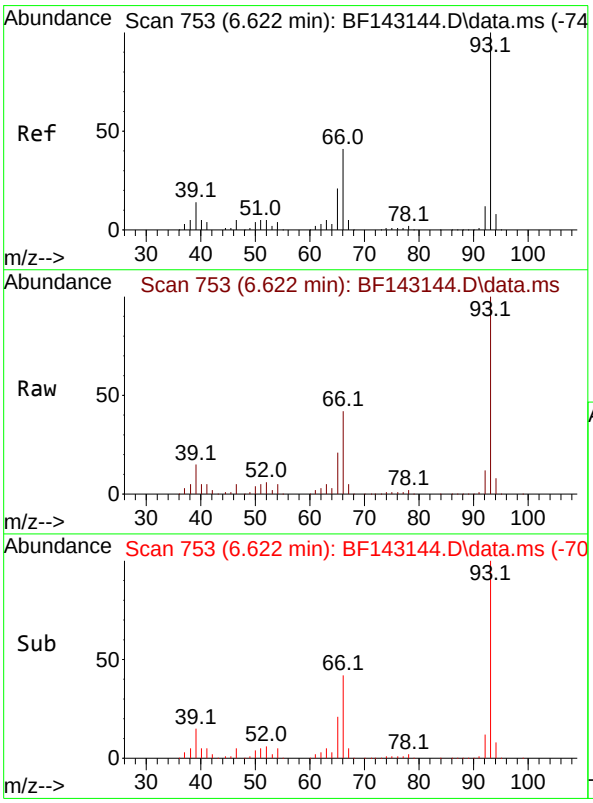
#5
2-Fluorophenol
Concen: 77.946 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 823062

Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.1	79.7
63	33.3	26.6	40.0

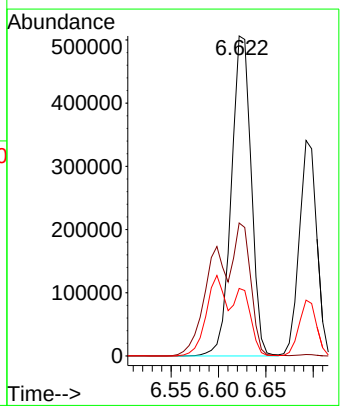


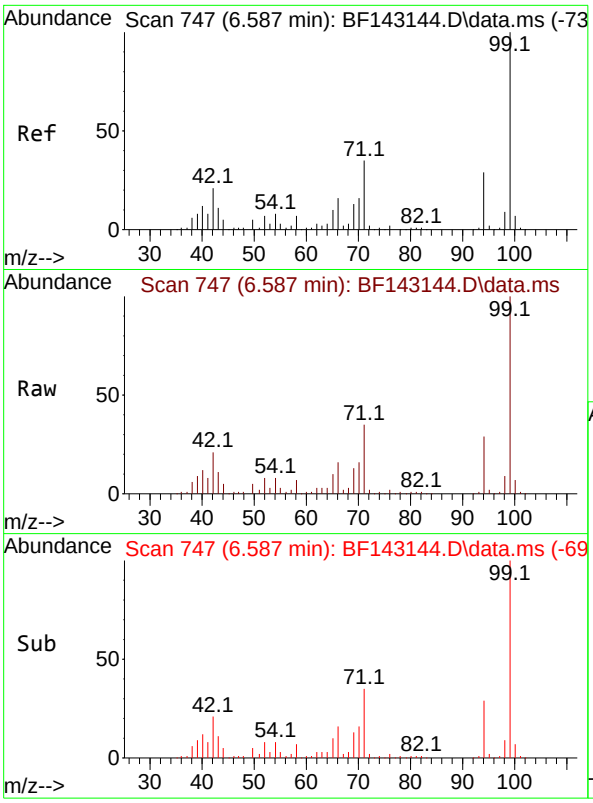


#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 736668

Ion	Ratio	Lower	Upper
93	100		
66	41.5	33.2	49.8
65	21.1	16.9	25.3



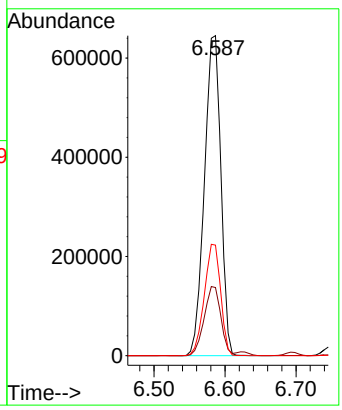


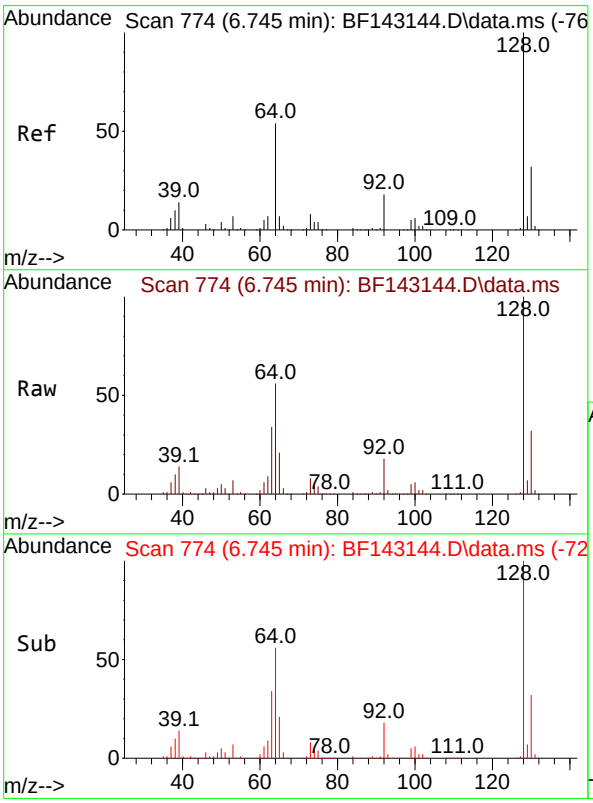
#7
Phenol-d6
Concen: 78.160 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1038821

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.6	27.7	41.5

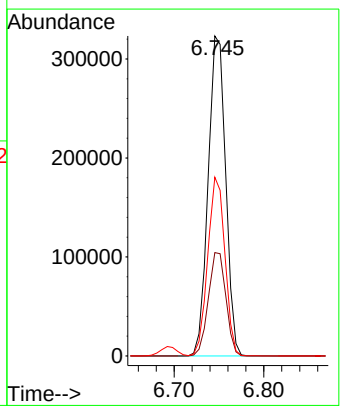


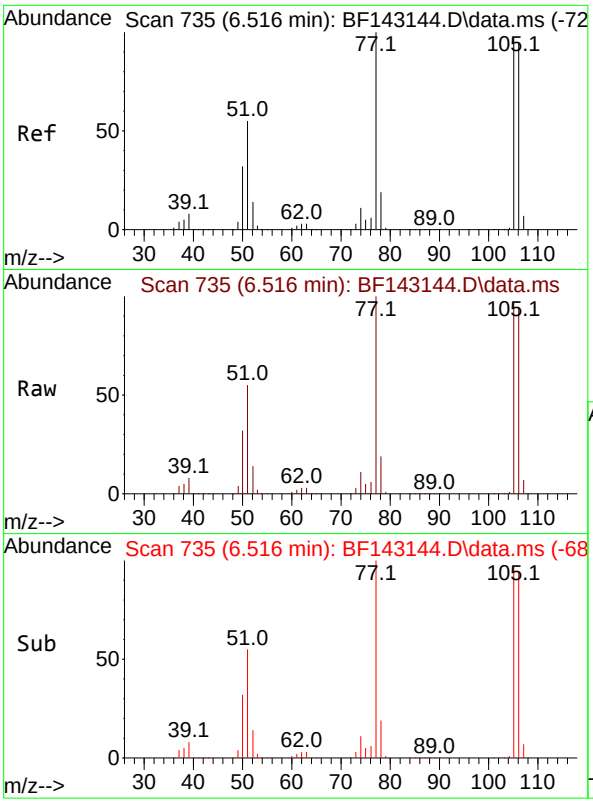


#8
2-Chlorophenol
Concen: 39.565 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:128 Resp: 437914

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	55.9	35.9	75.9



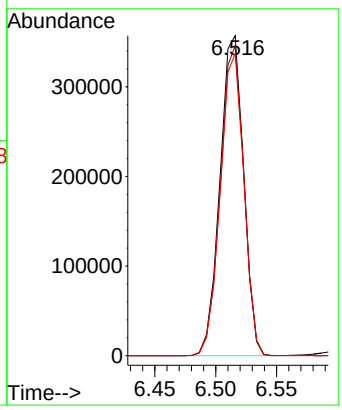


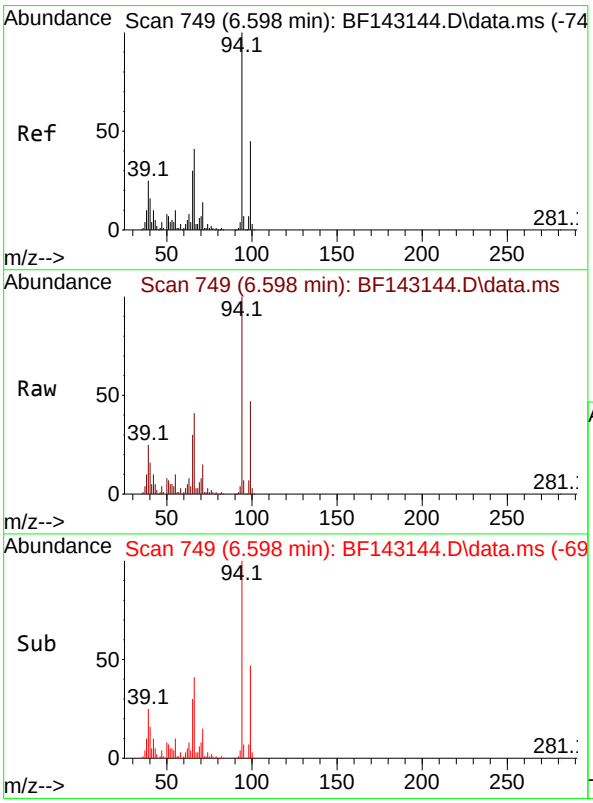
#9
Benzaldehyde
Concen: 48.387 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 482238

Ion	Ratio	Lower	Upper
77	100		
105	96.8	76.8	116.8
106	94.4	74.4	114.4

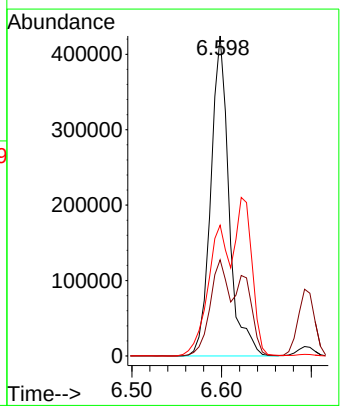


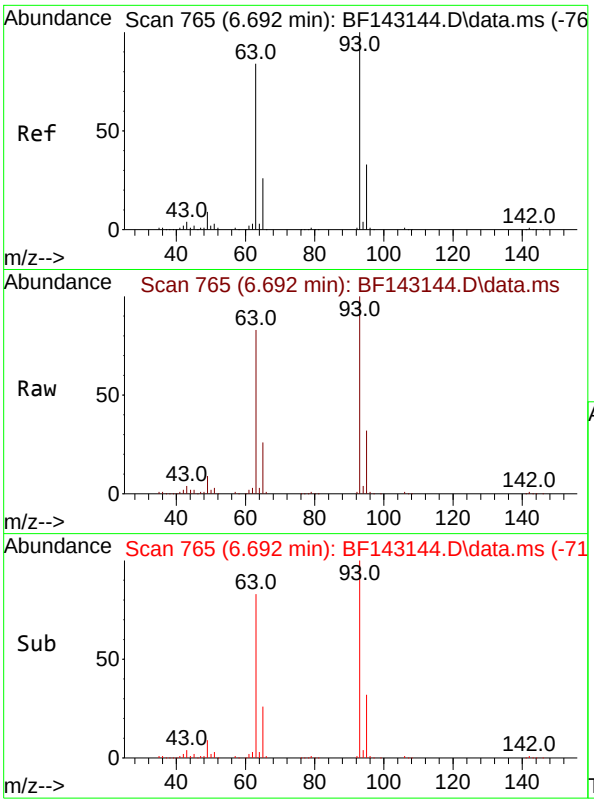


#10
Phenol
Concen: 41.241 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 94 Resp: 597136

Ion	Ratio	Lower	Upper
94	100		
65	30.0	10.0	50.0
66	40.8	20.8	60.8



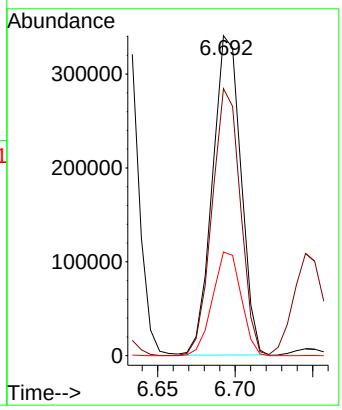


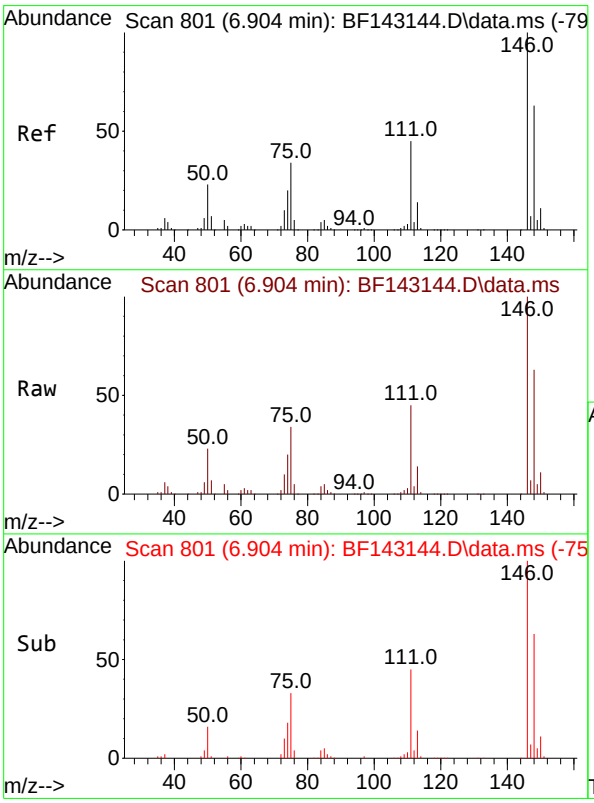
#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 435450

Ion	Ratio	Lower	Upper
93	100		
63	83.4	63.4	103.4
95	32.4	12.4	52.4

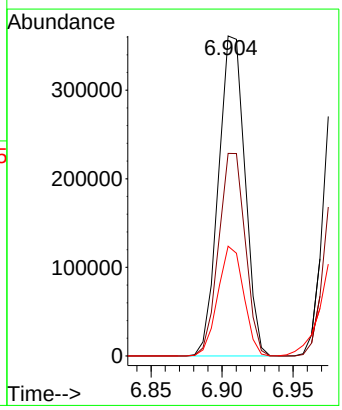


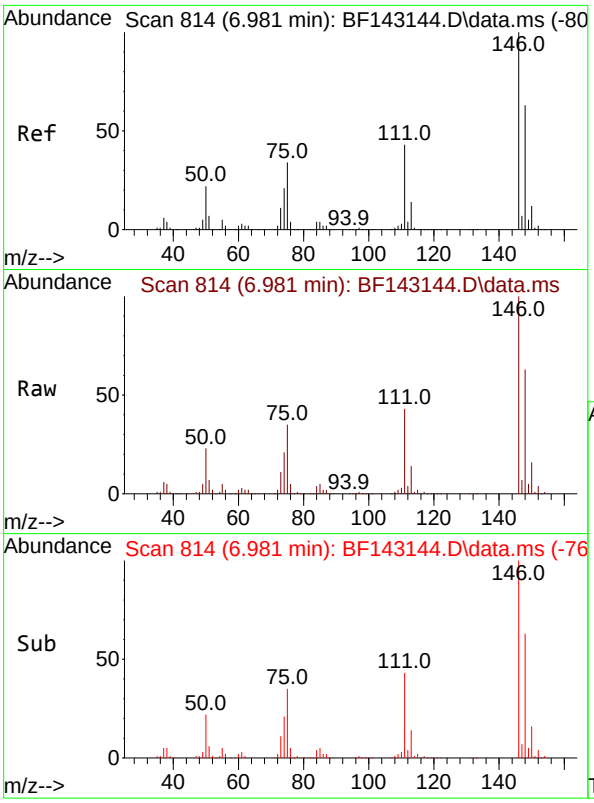


#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 468194

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
75	34.3	27.4	41.2



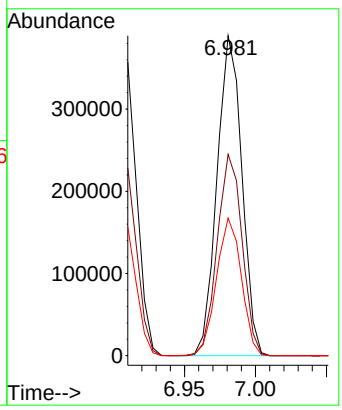


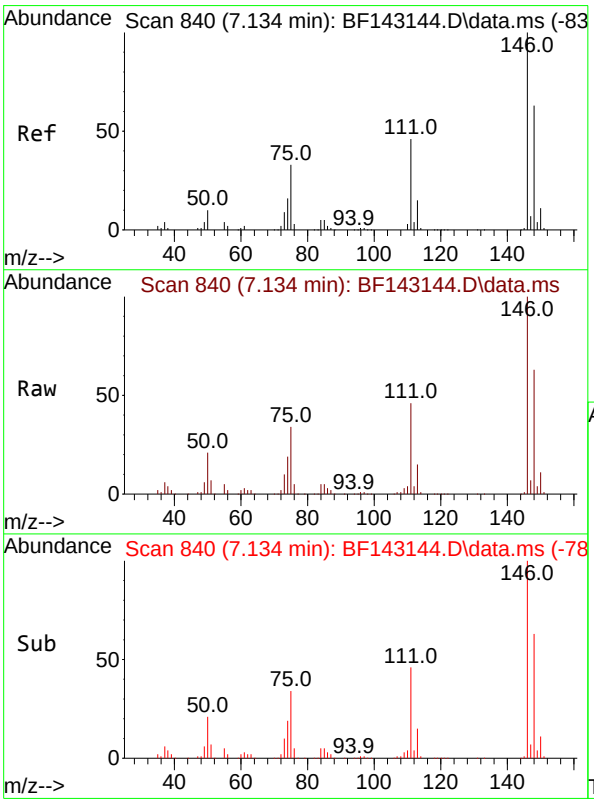
#13
1,4-Dichlorobenzene
Concen: 39.147 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 474015

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.0	34.4	51.6

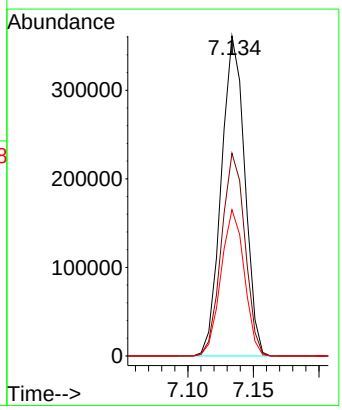


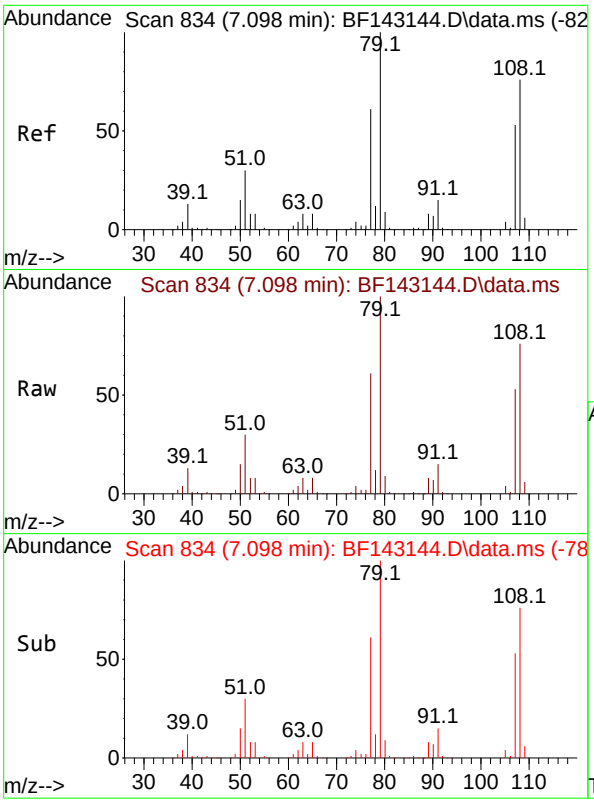


#14
1,2-Dichlorobenzene
Concen: 38.970 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:146 Resp: 448808

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.7	76.1
111	45.7	36.6	54.8



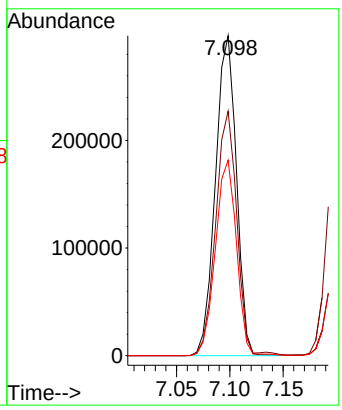


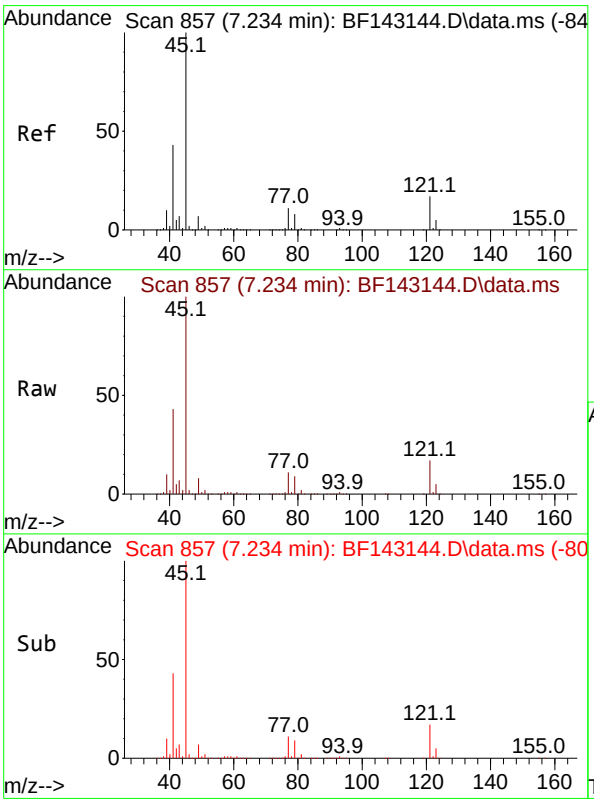
#15
Benzyl Alcohol
Concen: 40.017 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 406107

Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.1	91.7
77	61.1	48.9	73.3

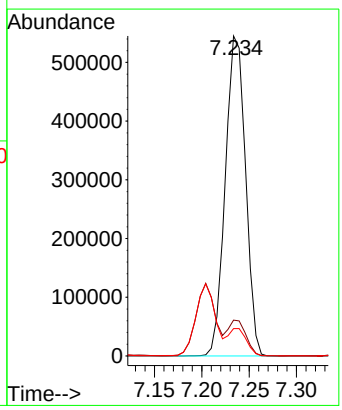


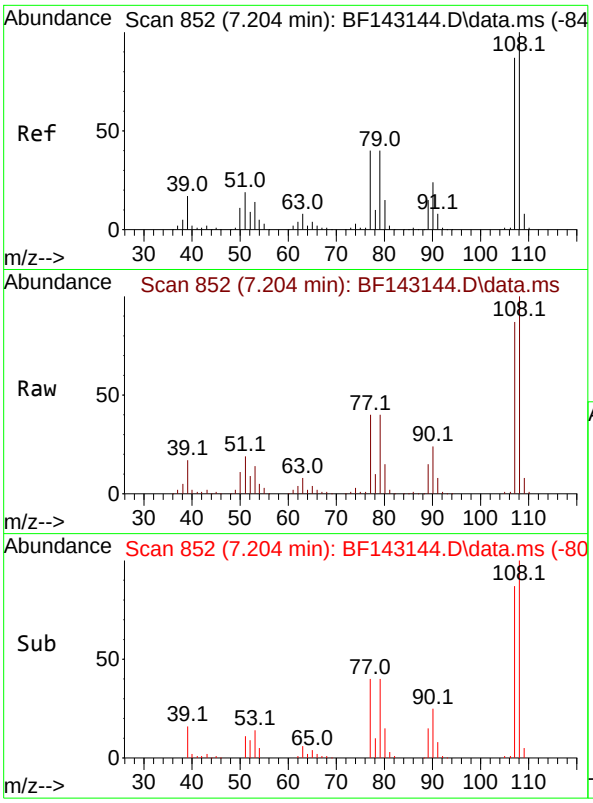


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.337 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 45 Resp: 808980

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.5	0.0	28.5



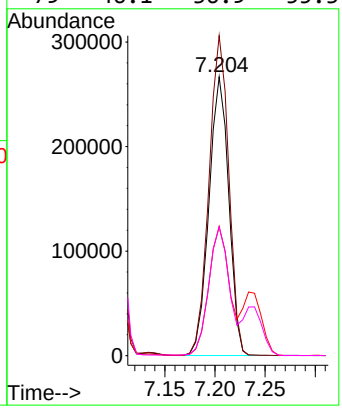


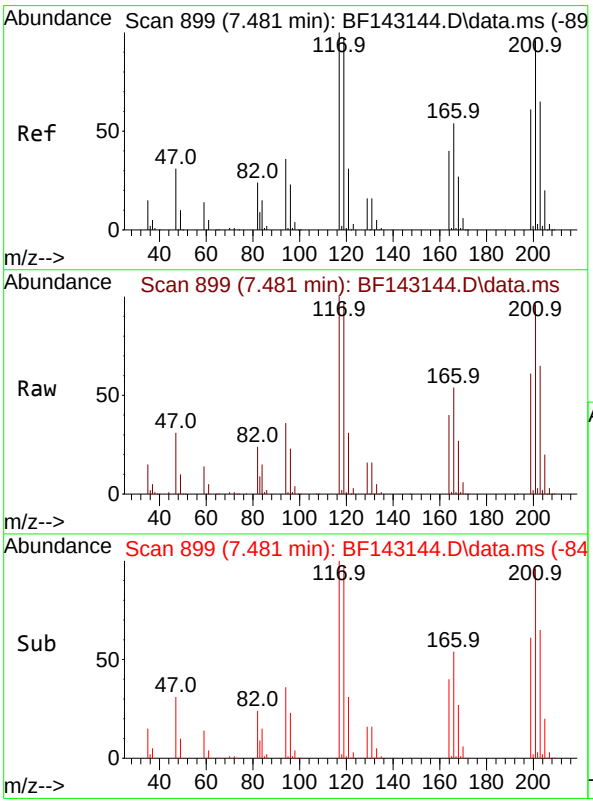
#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 366495

Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.8	137.6
77	46.3	37.0	55.6
79	46.1	36.9	55.3

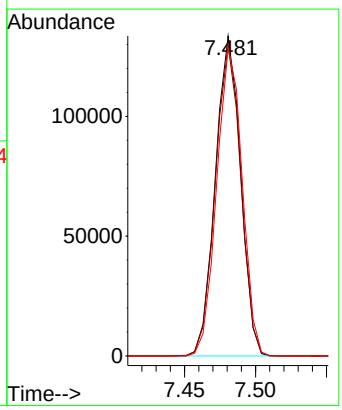


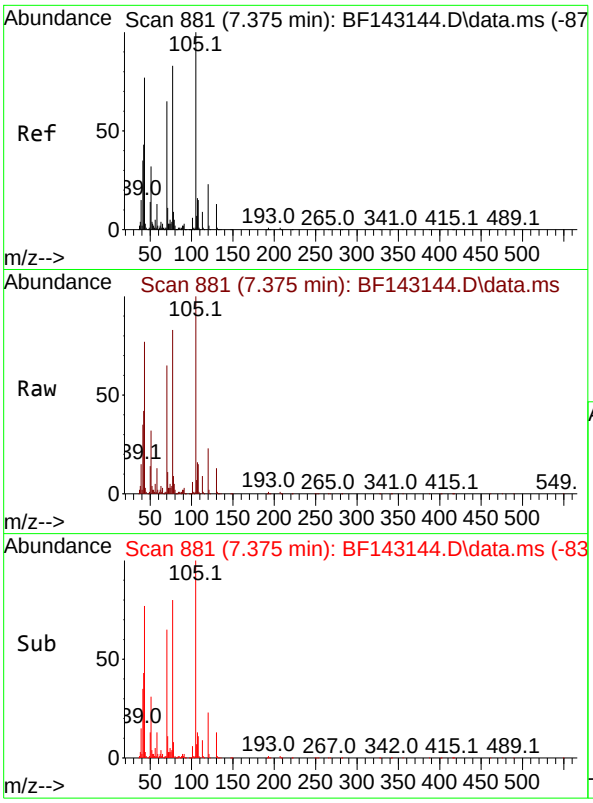


#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:117 Resp: 165263

Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.8	116.8
201	96.2	77.0	115.4



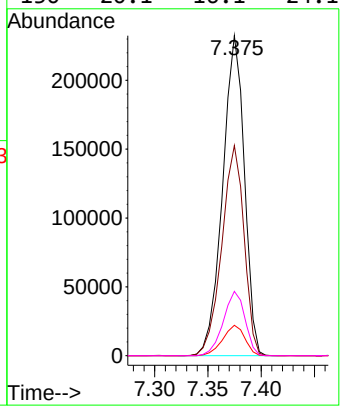


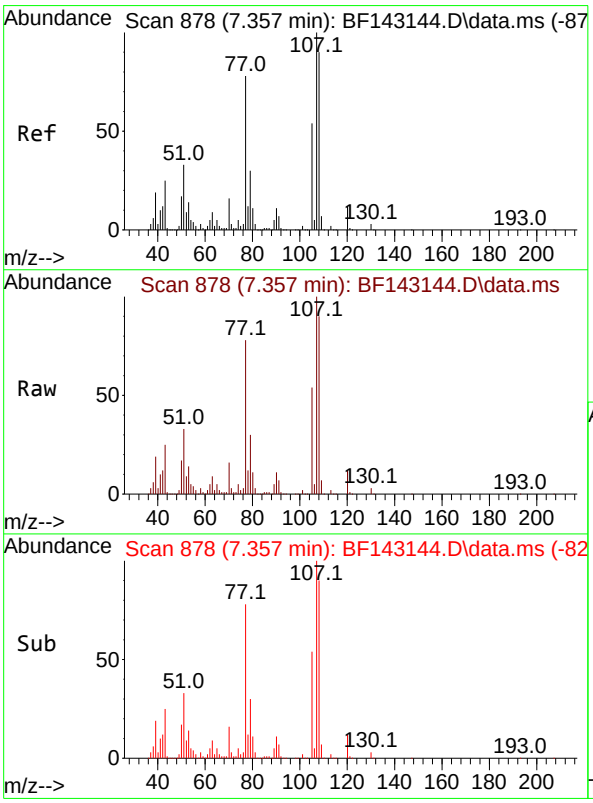
#19
n-Nitroso-di-n-propylamine
Concen: 38.656 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 329619

Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.5	7.6	11.4
130	20.1	16.1	24.1

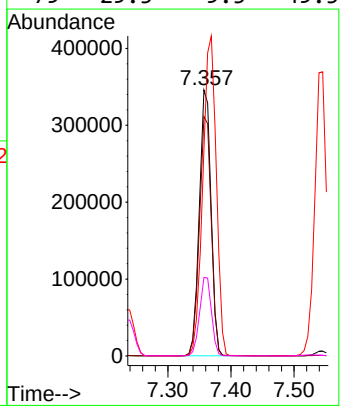


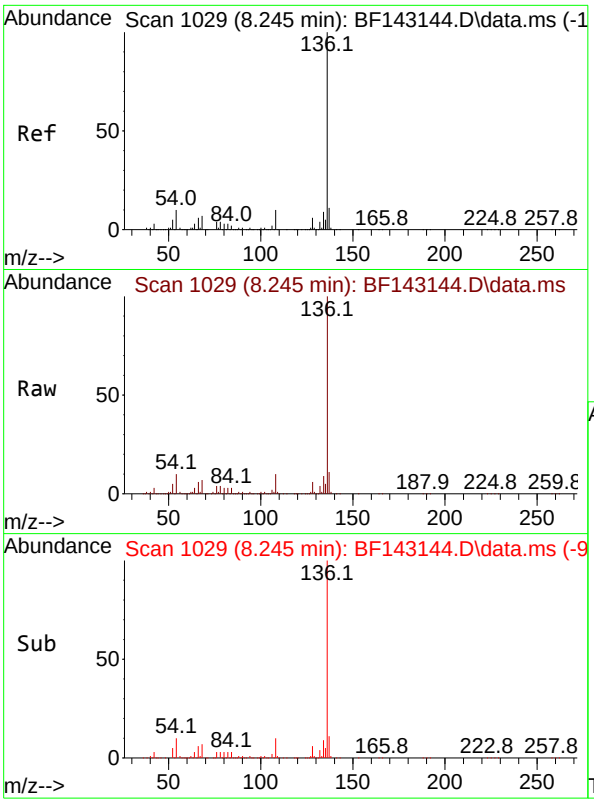


#20
3+4-Methylphenols
Concen: 39.685 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 448100

Ion	Ratio	Lower	Upper
107	100		
108	90.0	70.0	110.0
77	77.8	57.8	97.8
79	29.5	9.5	49.5



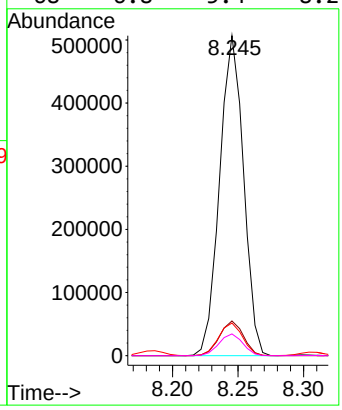


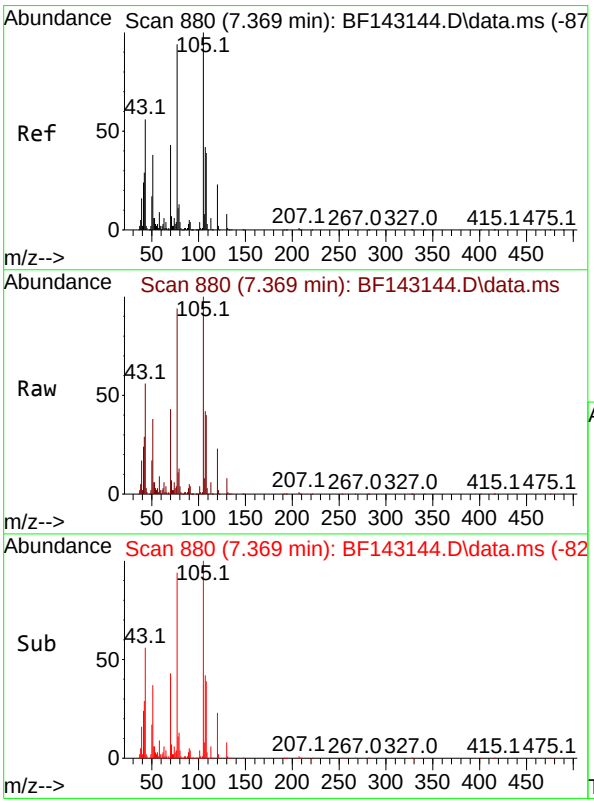
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 641413

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.2	12.2
68	6.8	5.4	8.2

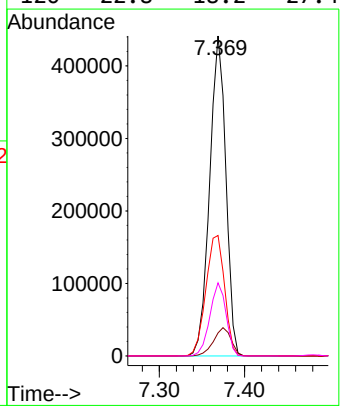


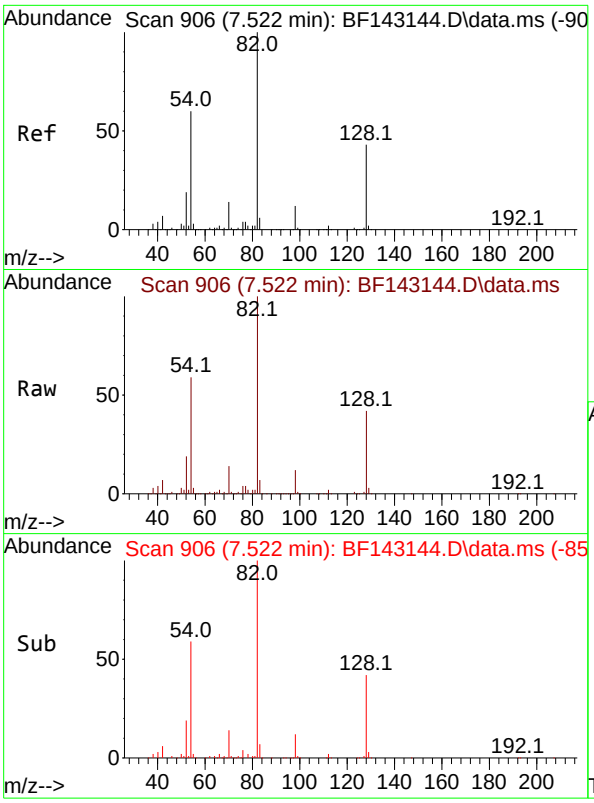


#22
Acetophenone
Concen: 38.444 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:105 Resp: 583796

Ion	Ratio	Lower	Upper
105	100		
71	7.2	5.8	8.6
51	37.7	30.2	45.2
120	22.8	18.2	27.4



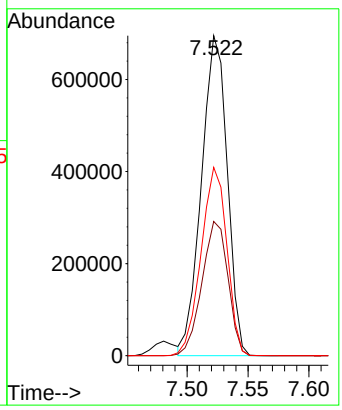


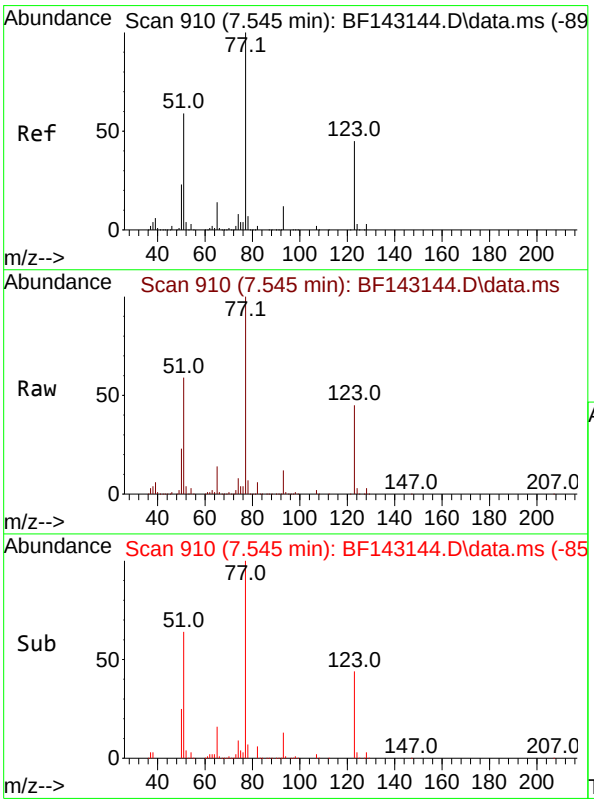
#23
Nitrobenzene-d5
Concen: 79.512 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1023138

Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	58.9	47.1	70.7

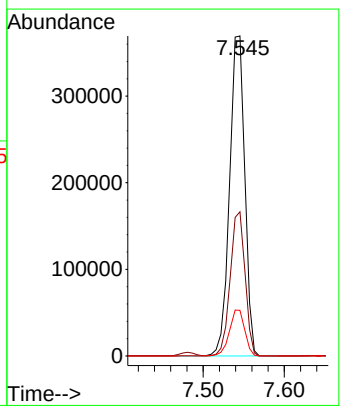


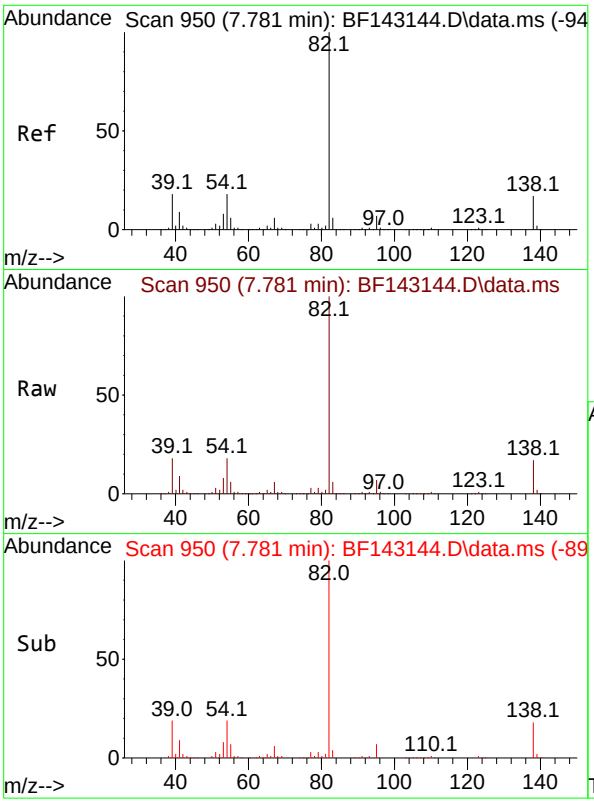


#24
Nitrobenzene
Concen: 40.136 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 77 Resp: 481500

Ion	Ratio	Lower	Upper
77	100		
123	45.1	36.1	54.1
65	14.3	11.4	17.2



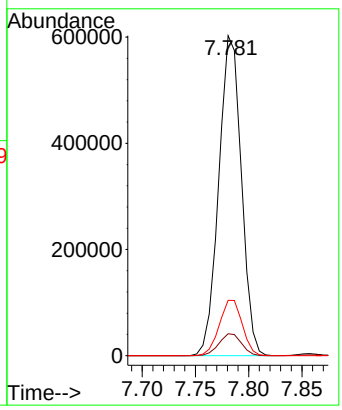


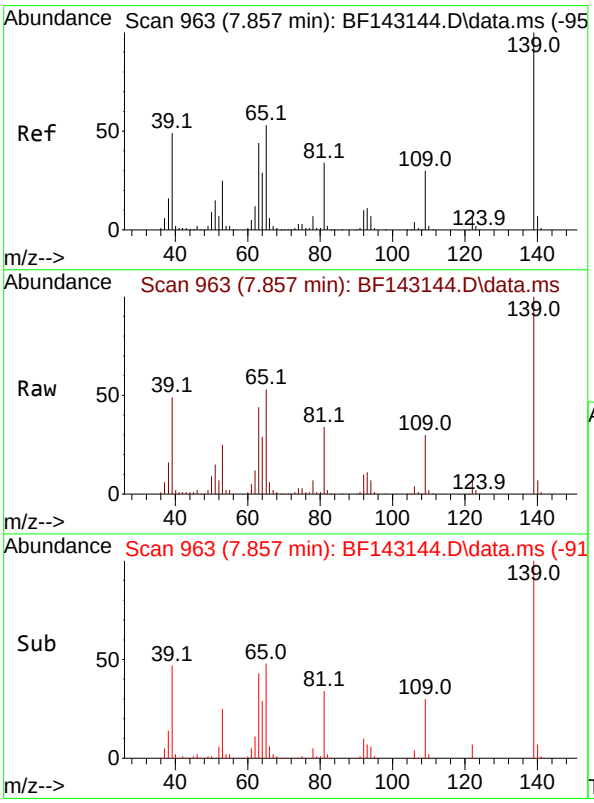
#25
Isophorone
Concen: 39.093 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 888017

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.3	13.8	20.8

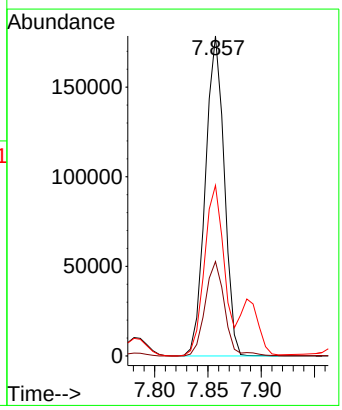


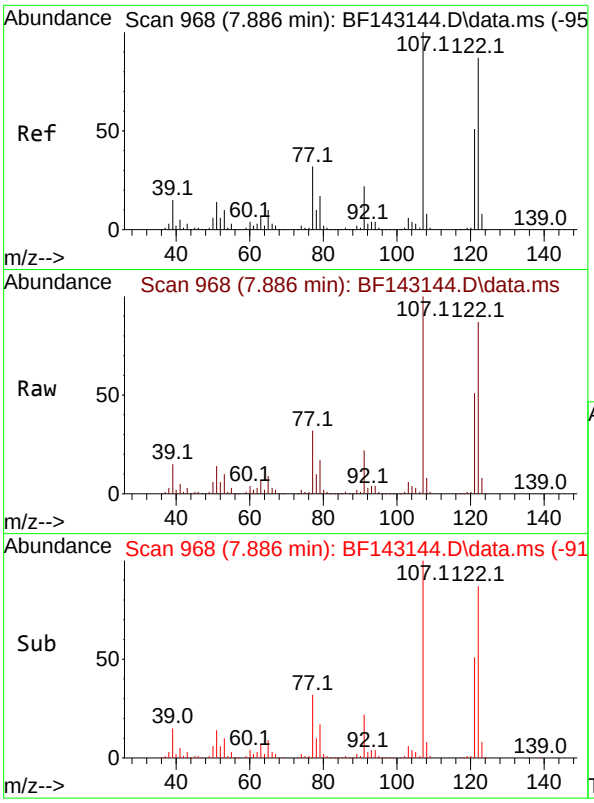


#26
2-Nitrophenol
Concen: 42.323 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:139 Resp: 220354

Ion	Ratio	Lower	Upper
139	100		
109	29.5	23.6	35.4
65	53.3	42.6	64.0



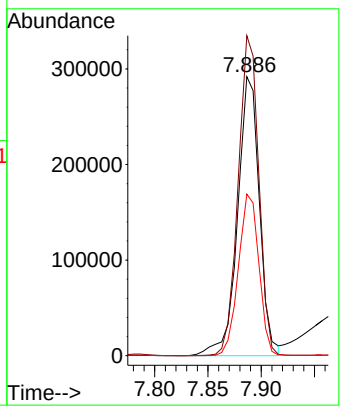


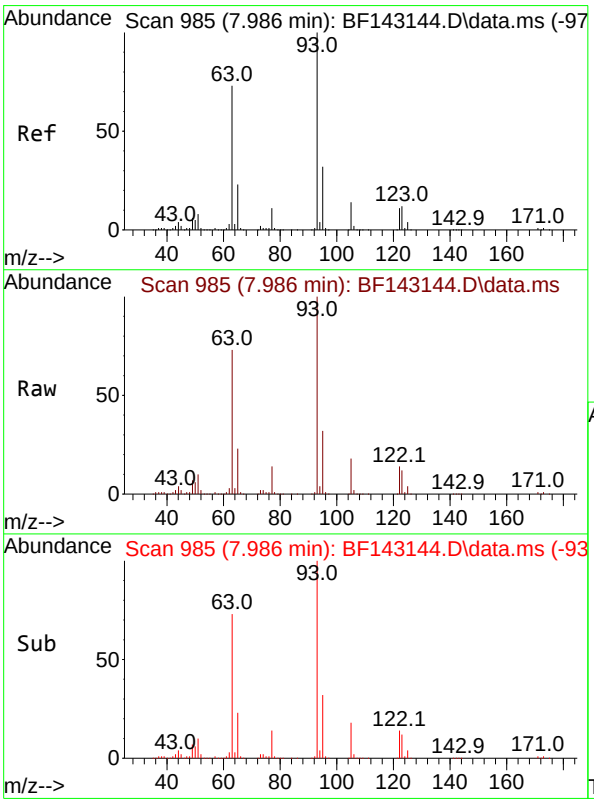
#27
2,4-Dimethylphenol
Concen: 39.210 ng
RT: 7.886 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 416128

Ion	Ratio	Lower	Upper
122	100		
107	114.7	91.8	137.6
121	57.9	46.3	69.5

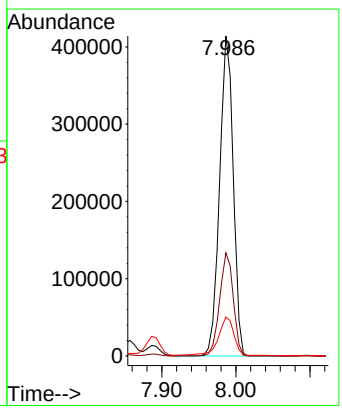


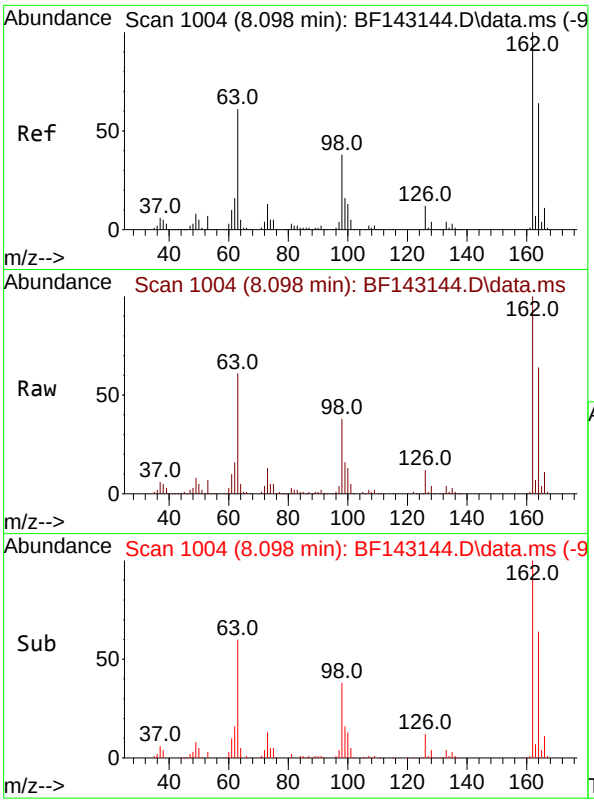


#28
bis(2-Chloroethoxy)methane
Concen: 38.860 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 93 Resp: 529258

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.6
123	12.1	9.7	14.5



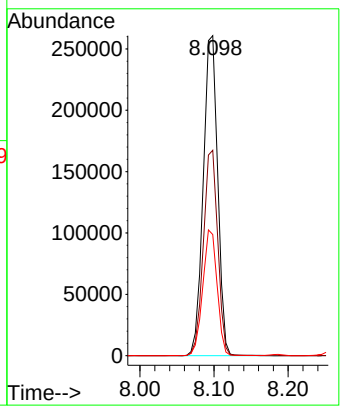


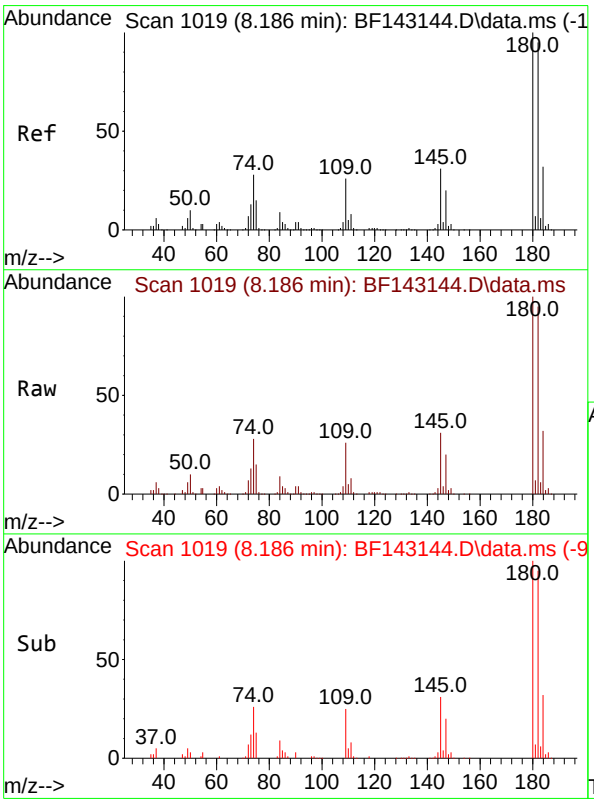
#29
2,4-Dichlorophenol
Concen: 39.537 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 353866

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	37.9	17.9	57.9

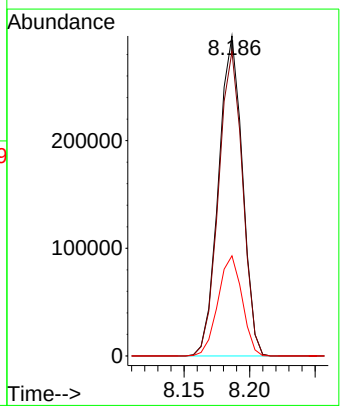


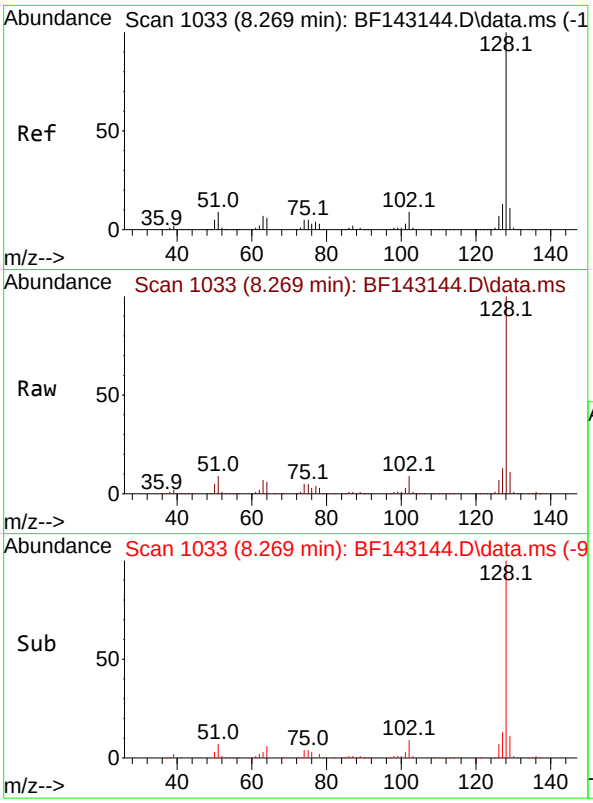


#30
1,2,4-Trichlorobenzene
Concen: 38.947 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:180 Resp: 376590

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	31.3	25.0	37.6



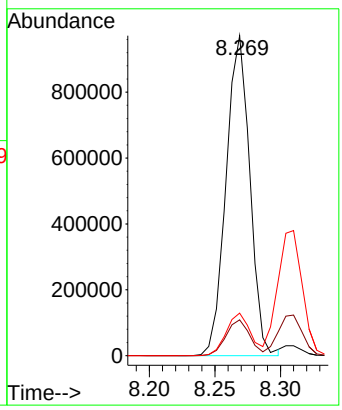


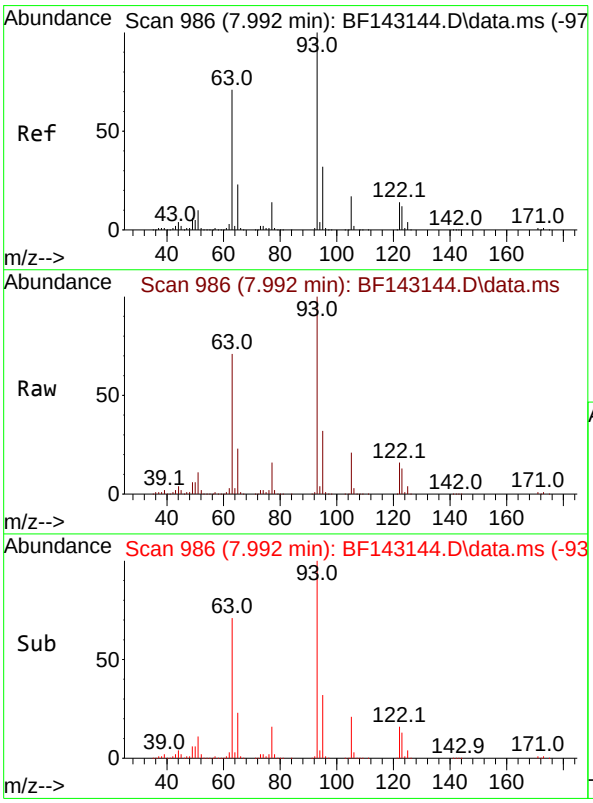
#31
Naphthalene
Concen: 38.749 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1224033

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.6	16.0

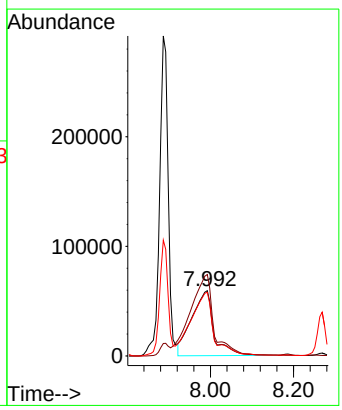


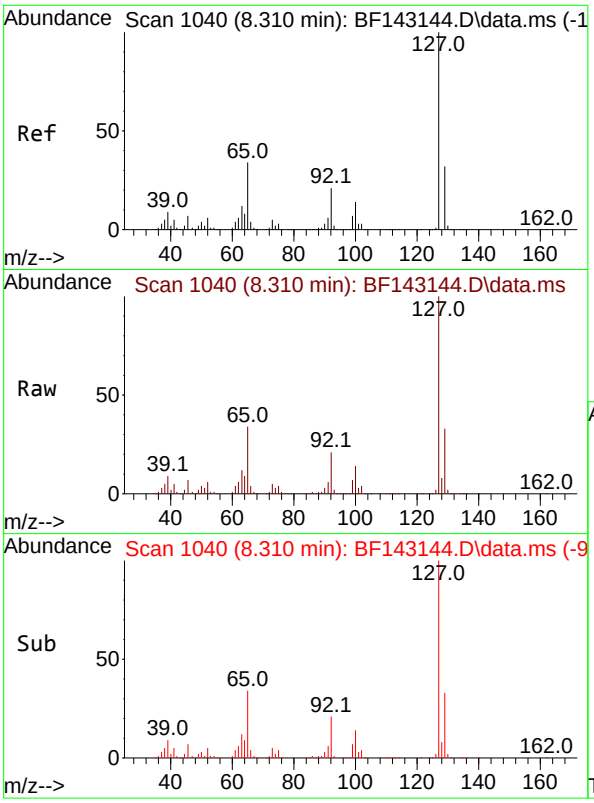


#32
Benzoic acid
Concen: 38.306 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:122 Resp: 221775

Ion	Ratio	Lower	Upper
122	100		
105	124.8	104.8	144.8
77	97.6	77.6	117.6



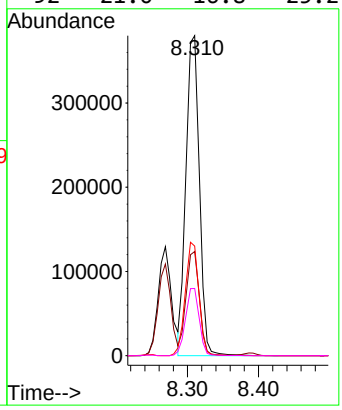


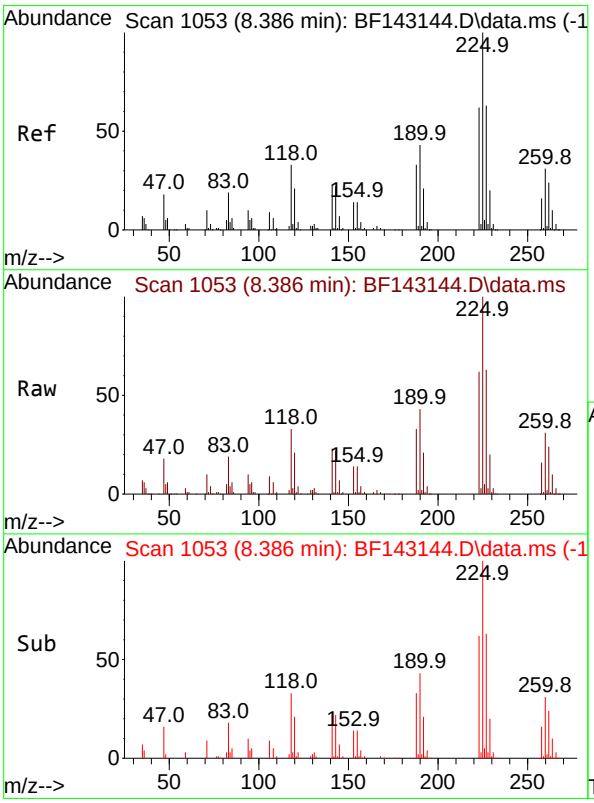
#33
4-Chloroaniline
Concen: 38.796 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 500402

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	34.3	27.4	41.2
92	21.0	16.8	25.2

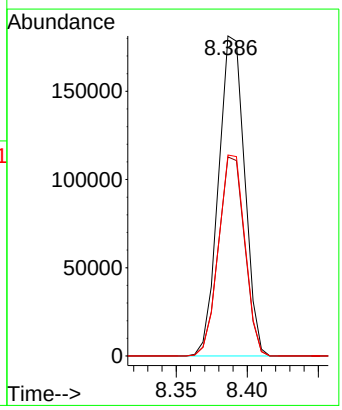


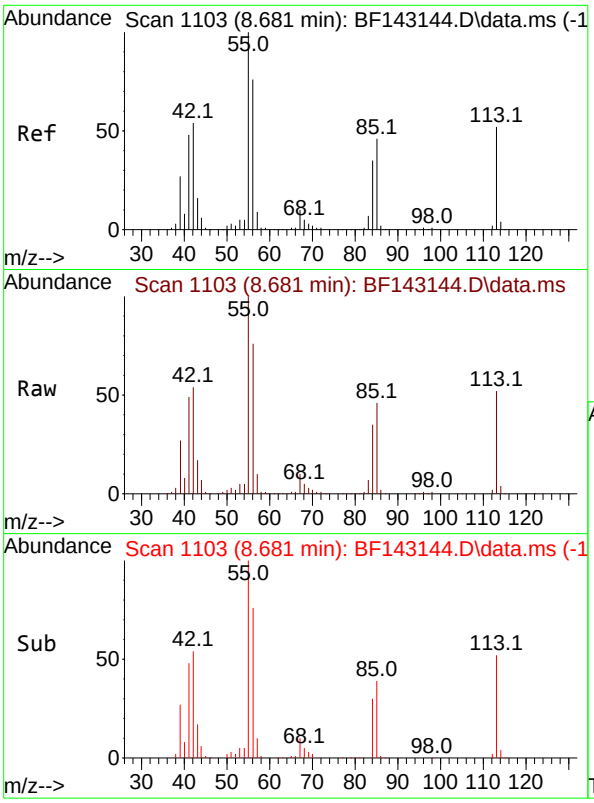


#34
Hexachlorobutadiene
Concen: 39.211 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:225 Resp: 231609

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	62.8	50.2	75.4



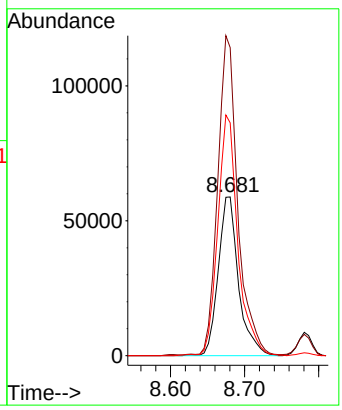


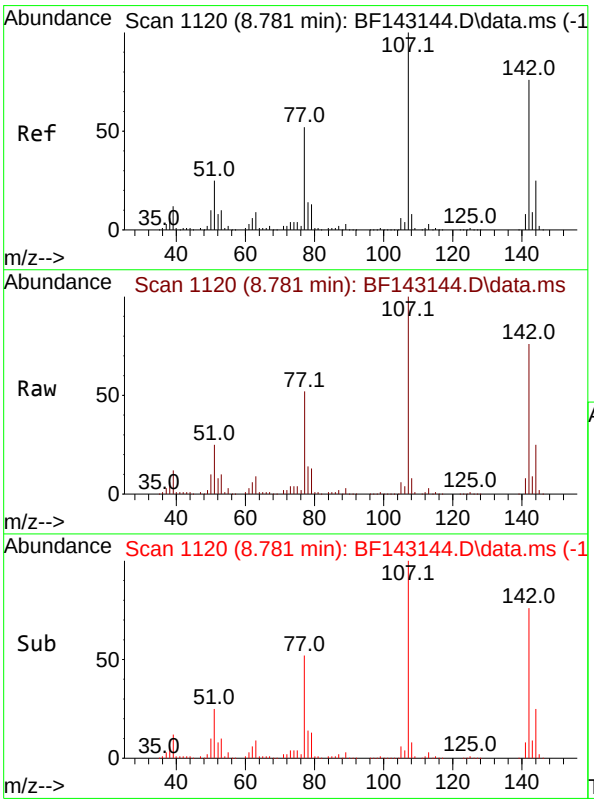
#35
Caprolactam
Concen: 41.312 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 111733

Ion	Ratio	Lower	Upper
113	100		
55	194.0	174.0	214.0
56	146.6	126.6	166.6

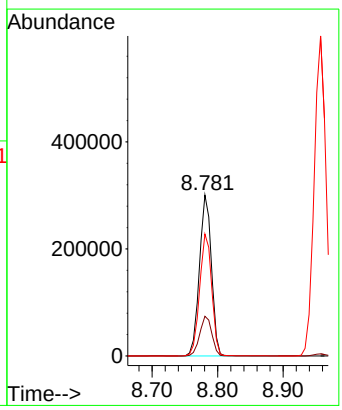


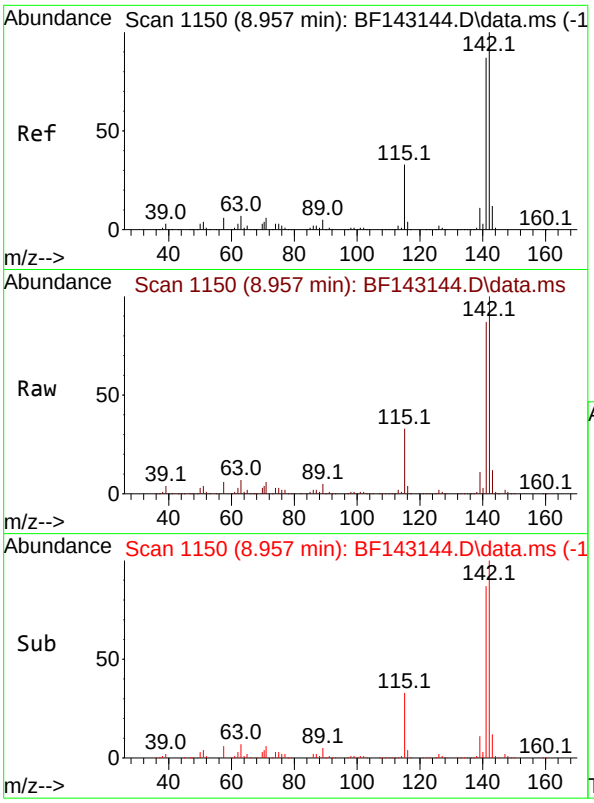


#36
4-Chloro-3-methylphenol
Concen: 39.628 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 385507

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.8	29.6
142	75.7	60.6	90.8



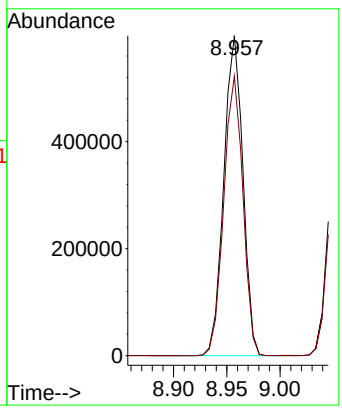


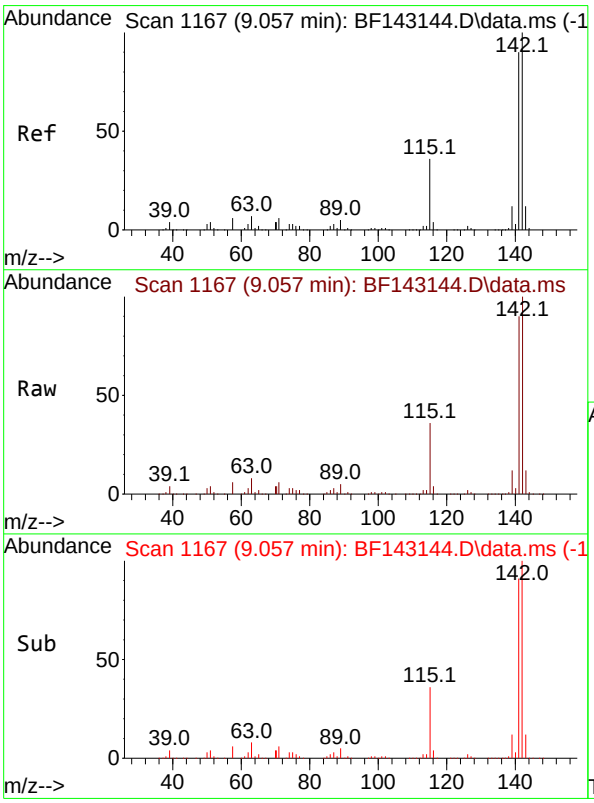
#37
2-Methylnaphthalene
Concen: 38.720 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 744295

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

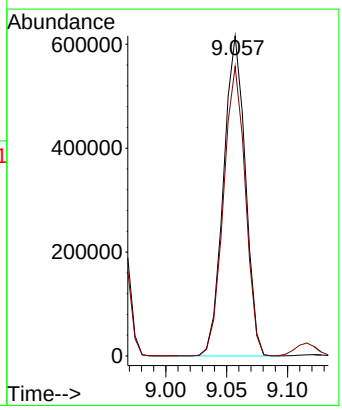


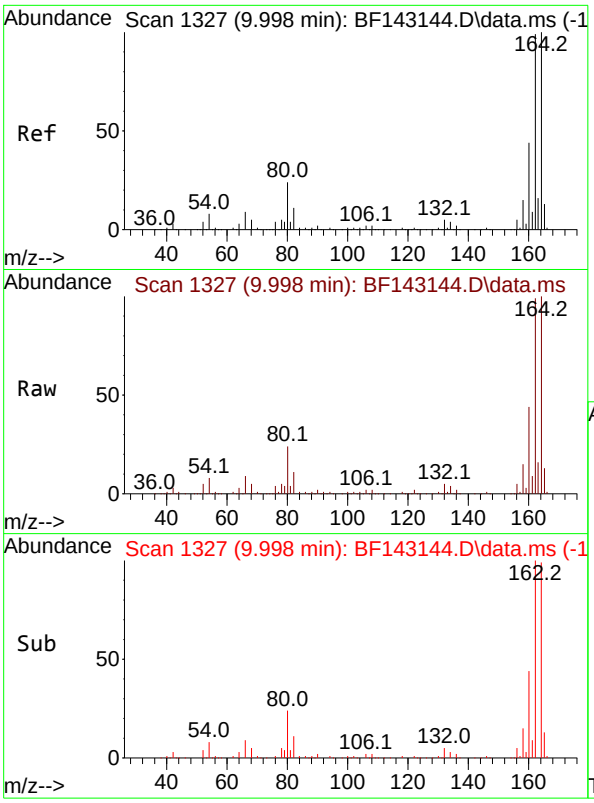


#38
1-Methylnaphthalene
Concen: 38.825 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:142 Resp: 768508

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5



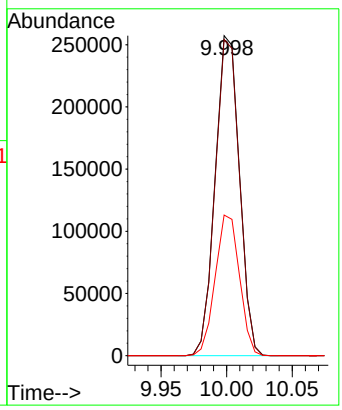


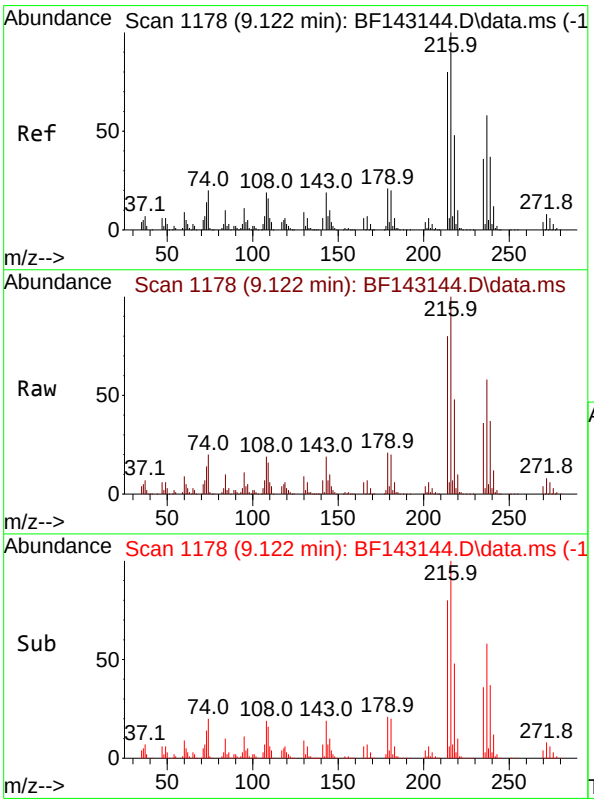
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 331881

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	43.9	35.1	52.7

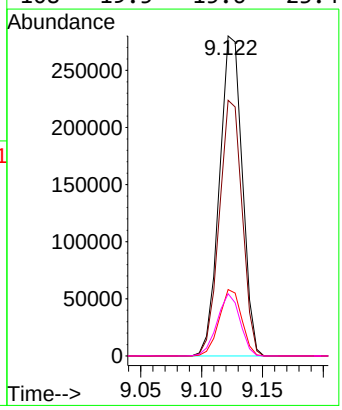


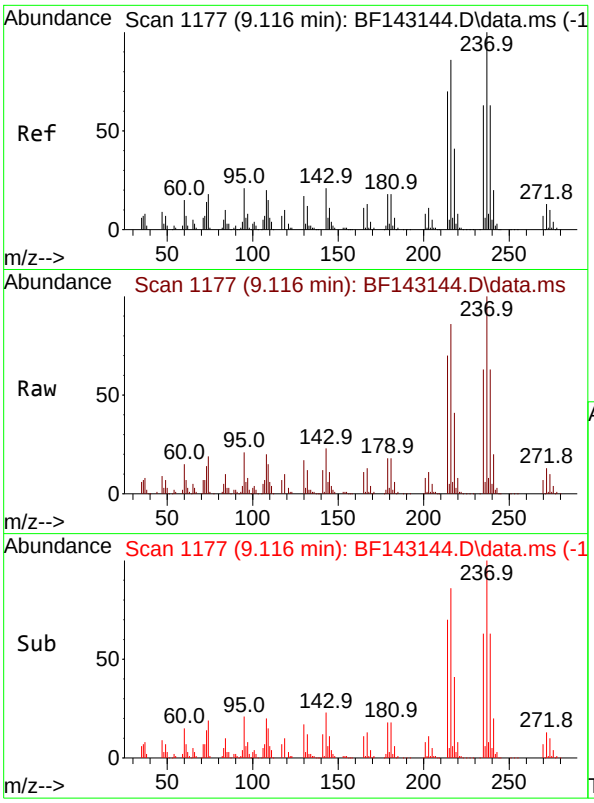


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.118 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:216 Resp: 365234

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.8	95.8
179	20.5	16.4	24.6
108	19.5	15.6	23.4



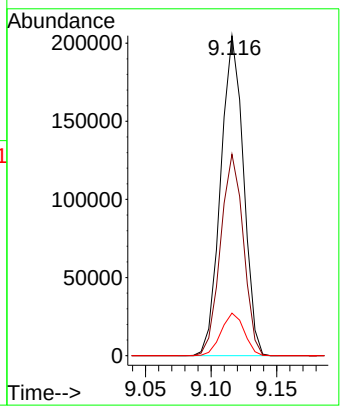


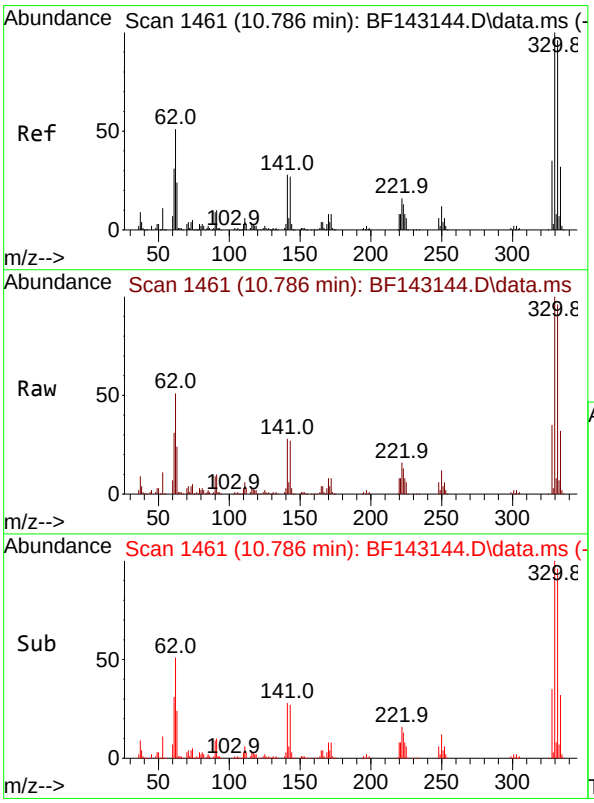
#41
Hexachlorocyclopentadiene
Concen: 39.695 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 247480

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.0	83.0
272	13.3	0.0	33.3

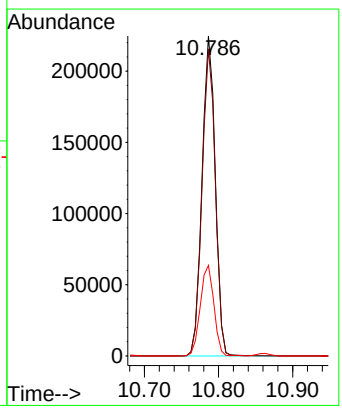


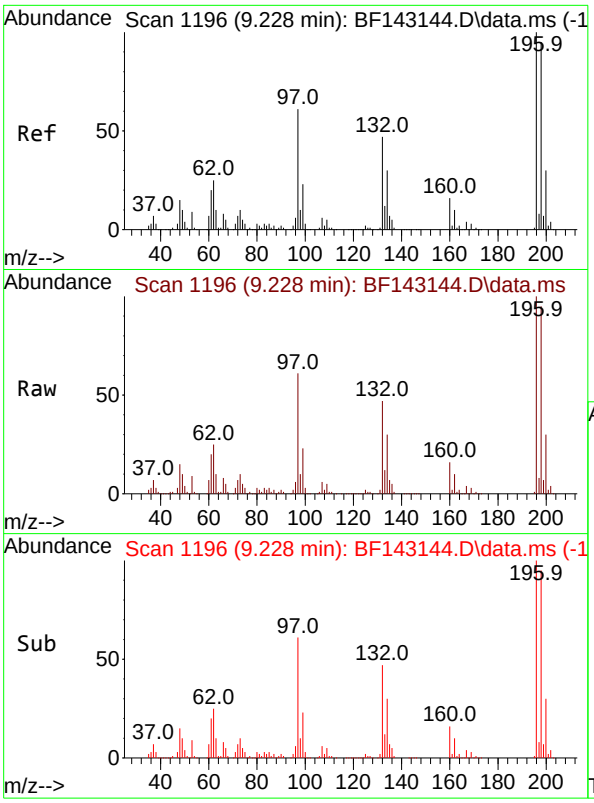


#42
2,4,6-Tribromophenol
Concen: 81.485 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:330 Resp: 279373

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	29.1	23.3	34.9



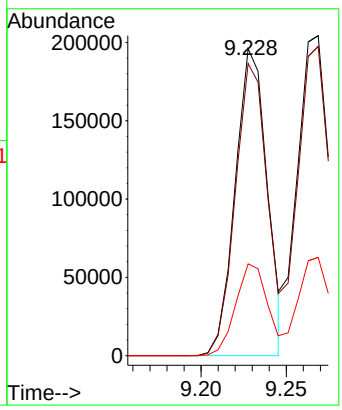


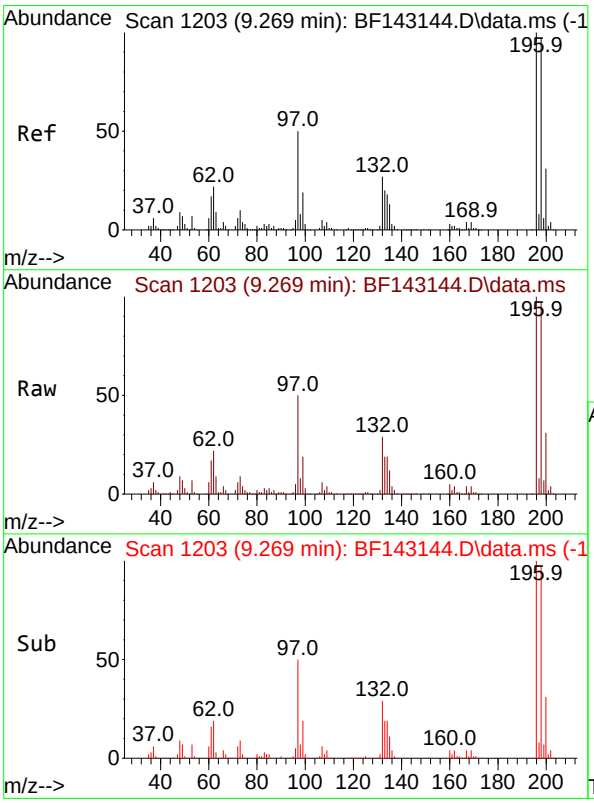
#43
2,4,6-Trichlorophenol
Concen: 38.471 ng
RT: 9.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 255115

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	29.9	23.9	35.9

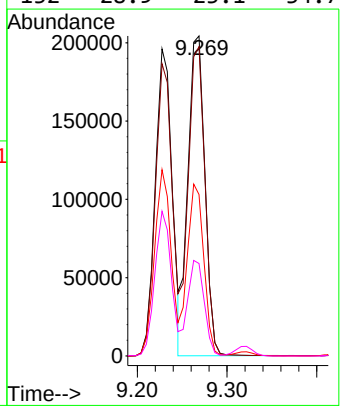


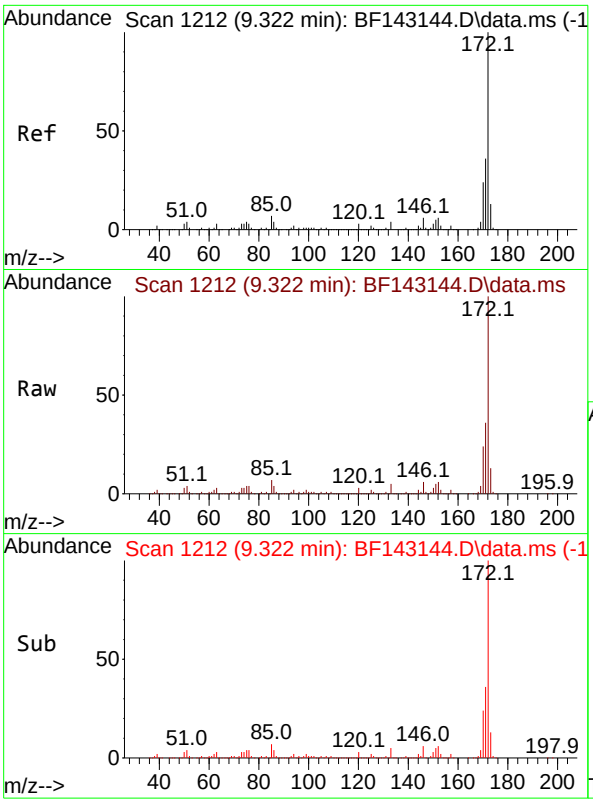


#44
2,4,5-Trichlorophenol
Concen: 40.494 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:196 Resp: 268615

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	50.4	40.3	60.5
132	28.9	23.1	34.7



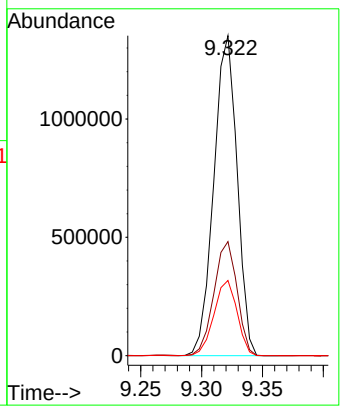


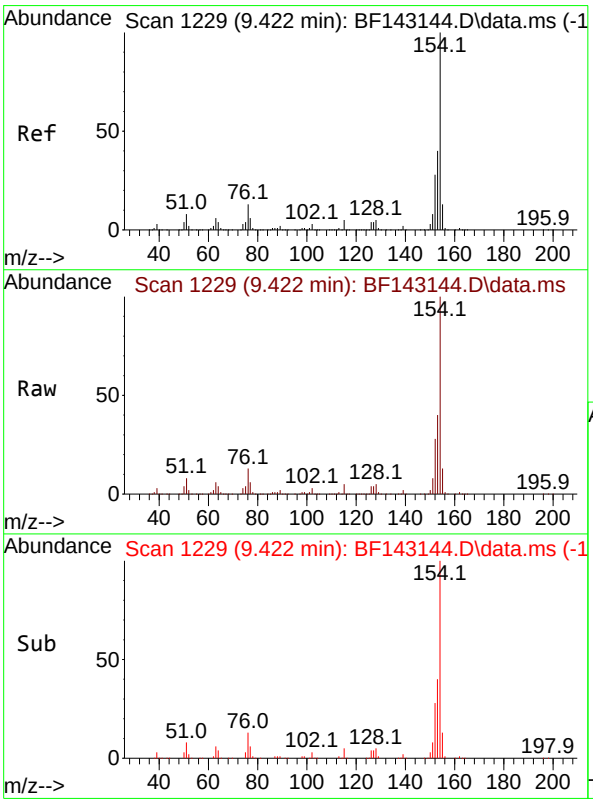
#45
2-Fluorobiphenyl
Concen: 74.274 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1802398

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.5	18.8	28.2

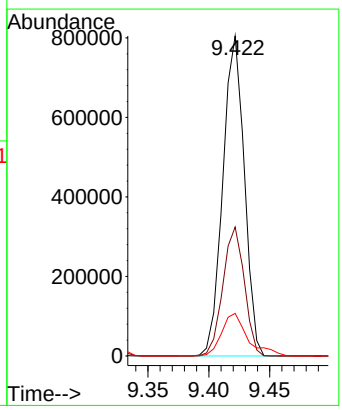


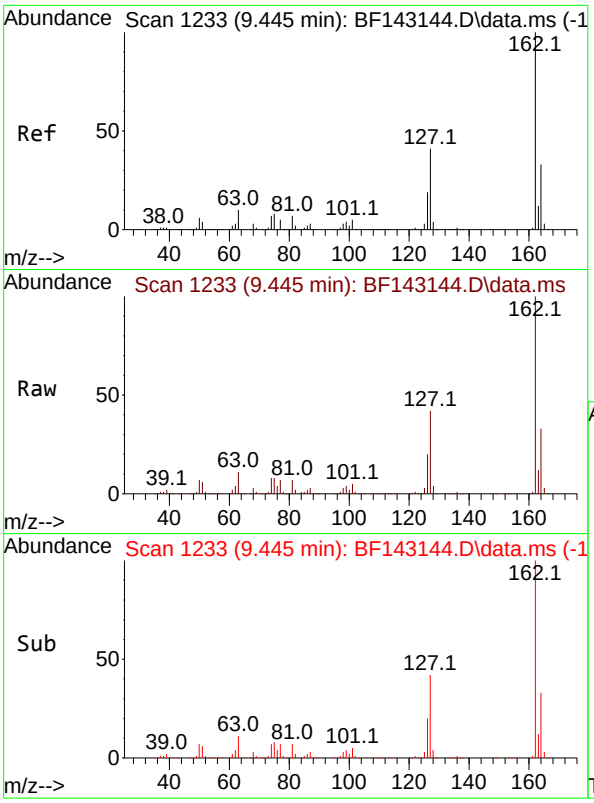


#46
1,1'-Biphenyl
Concen: 38.177 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:154 Resp: 988537

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.3	0.0	33.3



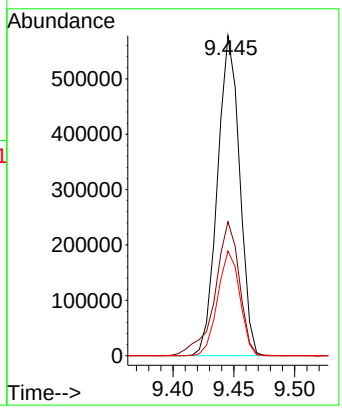


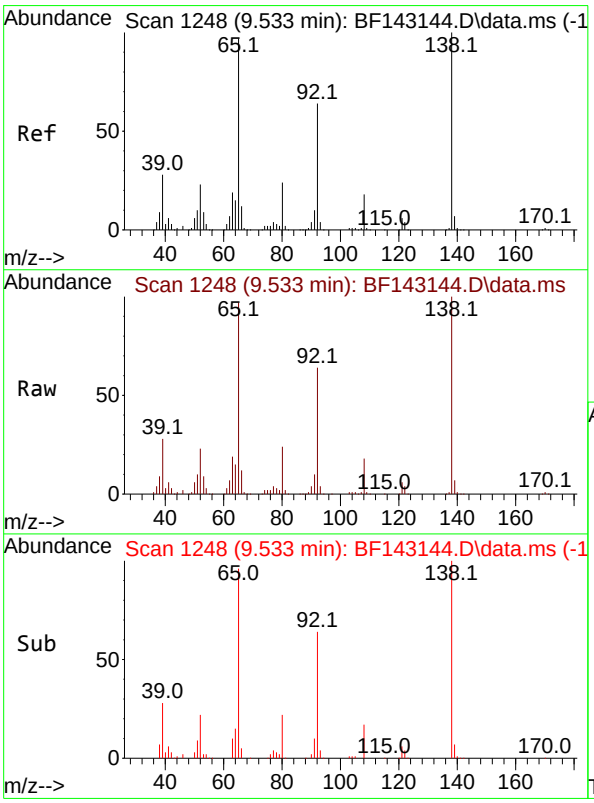
#47
2-Chloronaphthalene
Concen: 38.200 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 731879

Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2

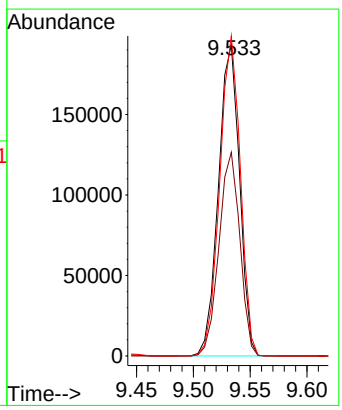


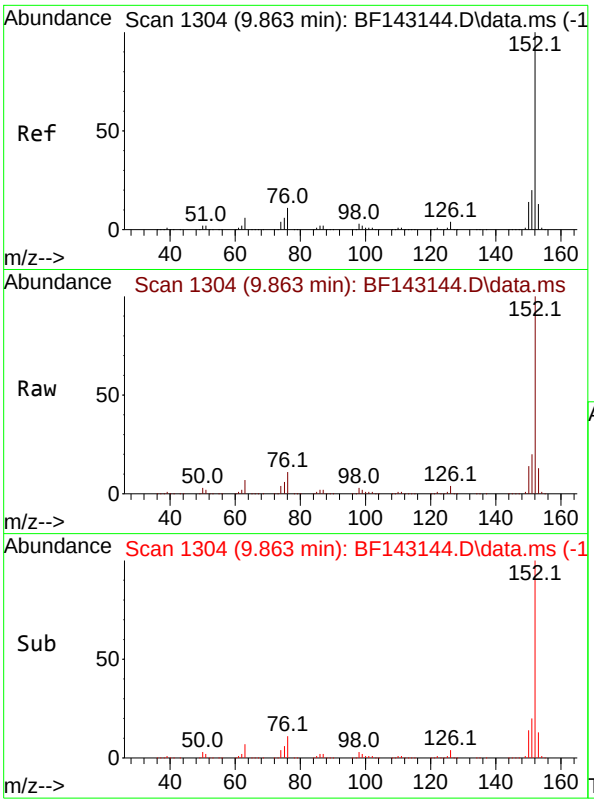


#48
2-Nitroaniline
Concen: 41.594 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 65 Resp: 249908

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.4	78.6
138	102.9	82.3	123.5



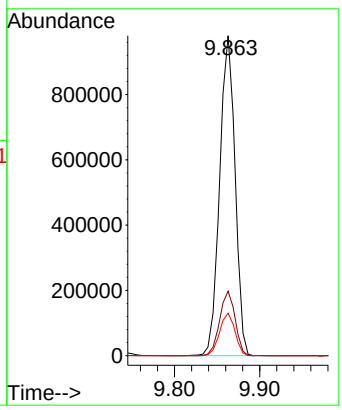


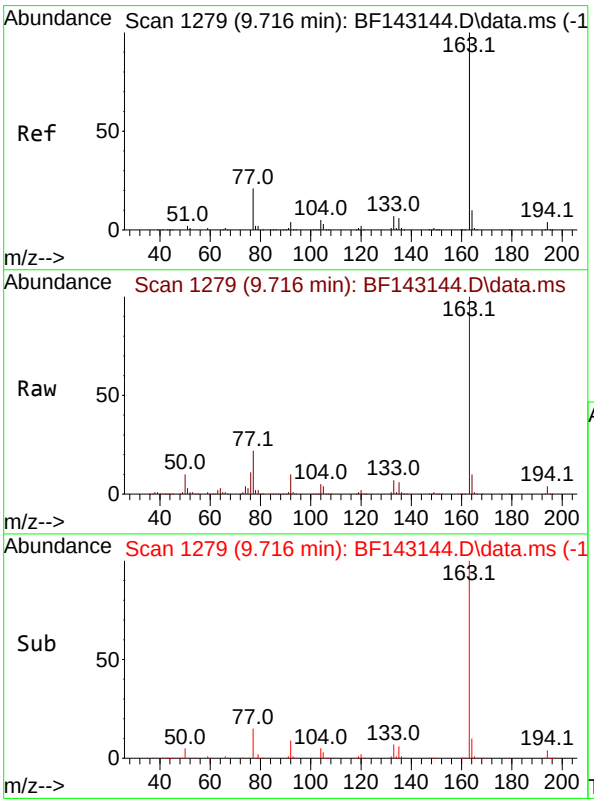
#49
Acenaphthylene
Concen: 38.458 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1234789

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.6	16.0

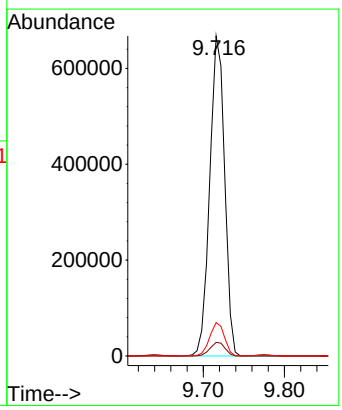


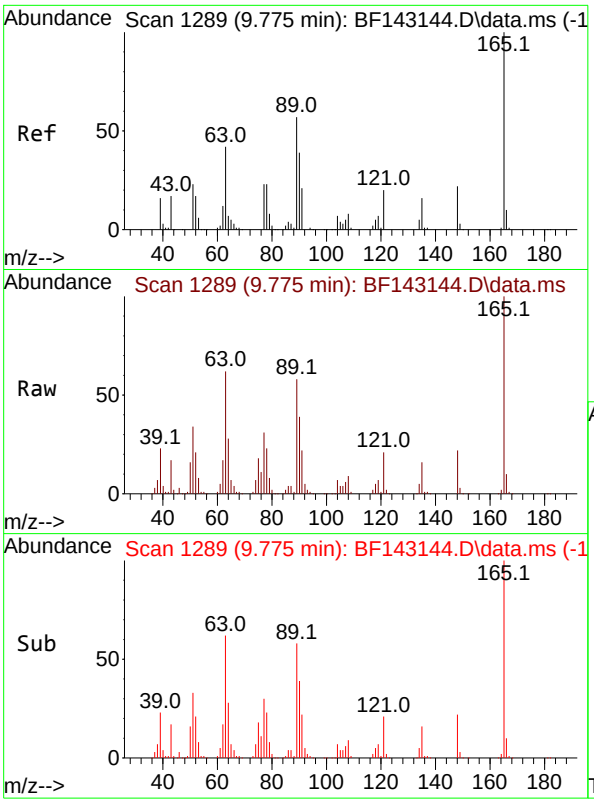


#50
Dimethylphthalate
Concen: 39.238 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:163 Resp: 848828

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.4	8.3	12.5



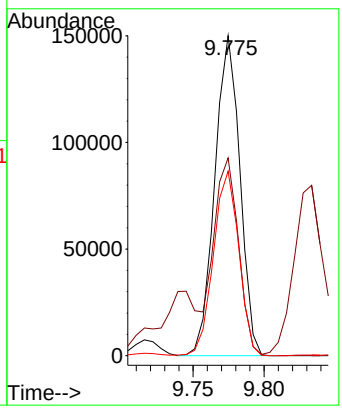


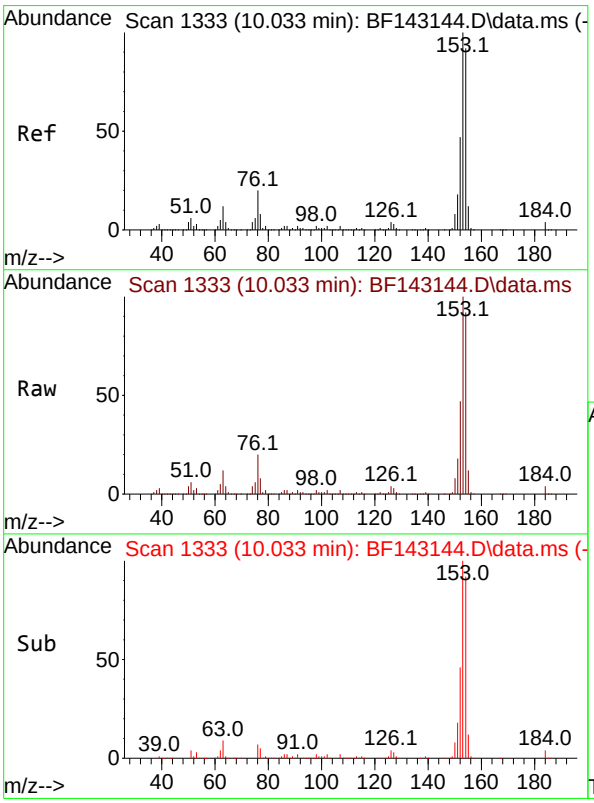
#51
2,6-Dinitrotoluene
Concen: 41.866 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 184242

Ion	Ratio	Lower	Upper
165	100		
63	61.8	49.4	74.2
89	57.7	46.2	69.2

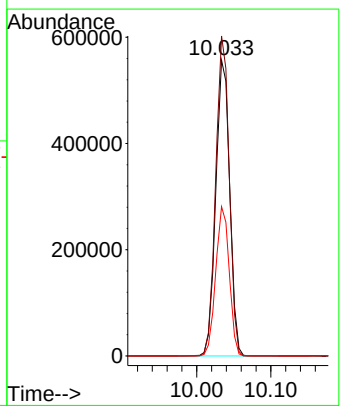


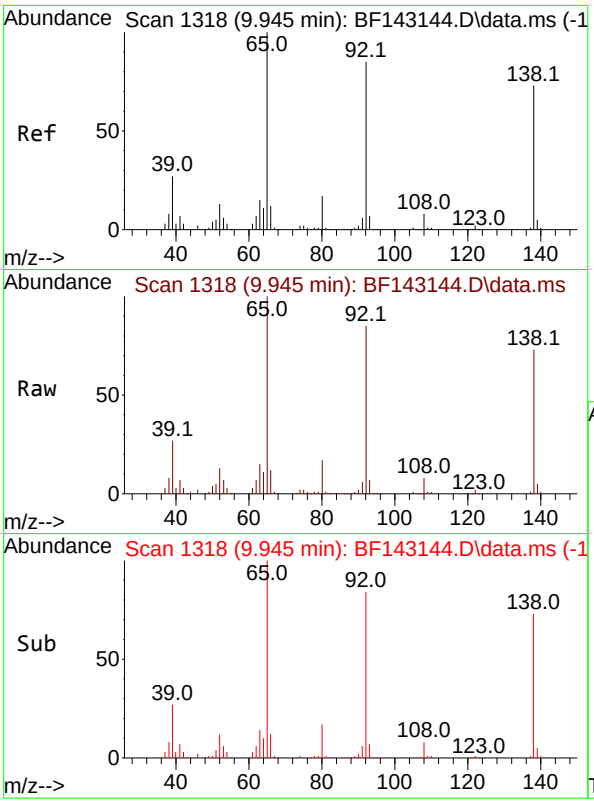


#52
Acenaphthene
Concen: 38.330 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:154 Resp: 727386

Ion	Ratio	Lower	Upper
154	100		
153	108.2	86.6	129.8
152	50.5	40.4	60.6



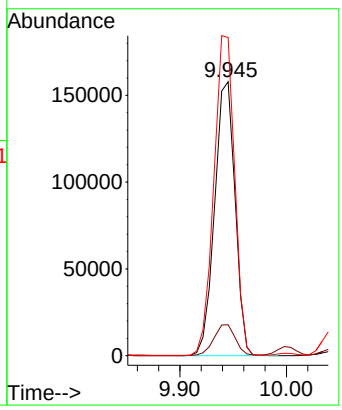


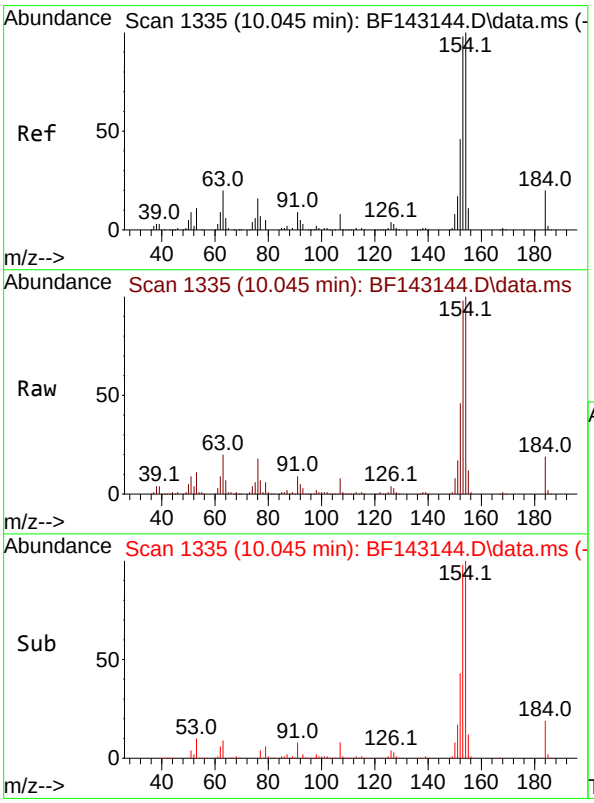
#53
3-Nitroaniline
Concen: 40.832 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 210179

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.6
92	116.2	93.0	139.4

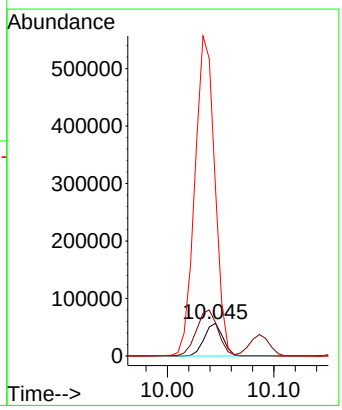


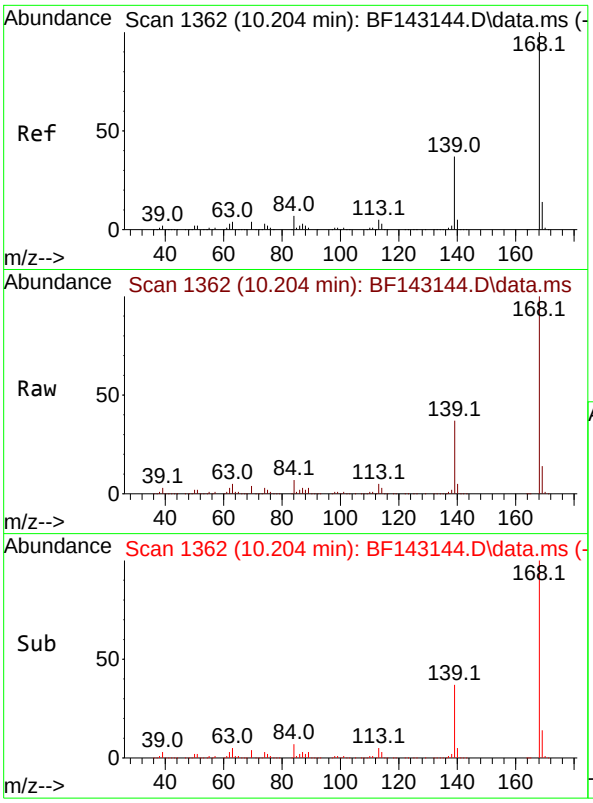


#54
2,4-Dinitrophenol
Concen: 38.449 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:184 Resp: 69157

Ion	Ratio	Lower	Upper
184	100		
63	102.2	81.8	122.6
154	515.3	412.2	618.4



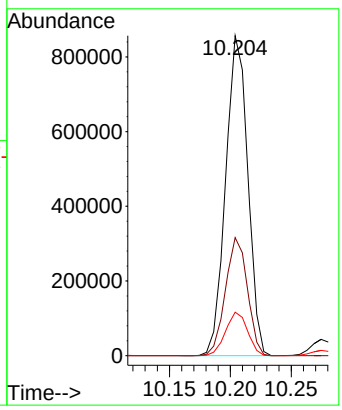


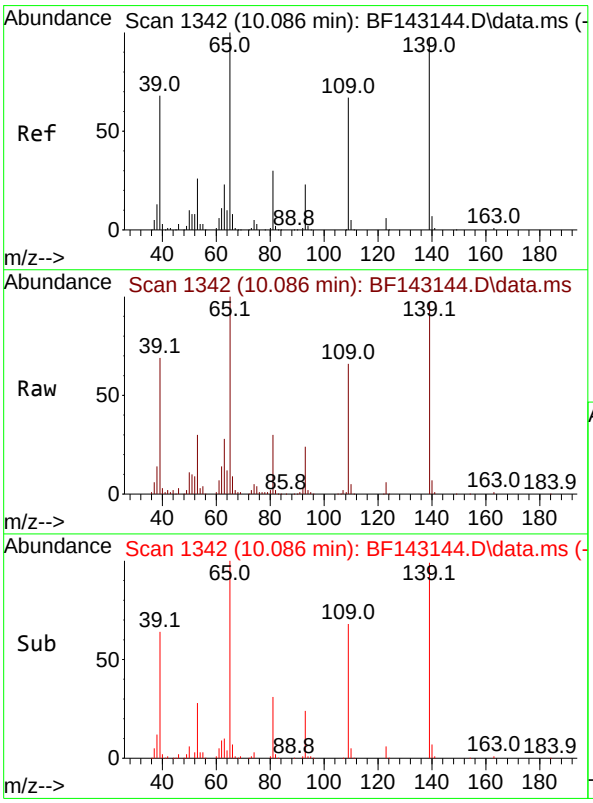
#55
Dibenzofuran
Concen: 38.462 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1083678

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.6	10.9	16.3

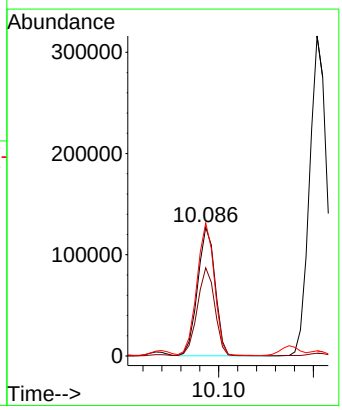


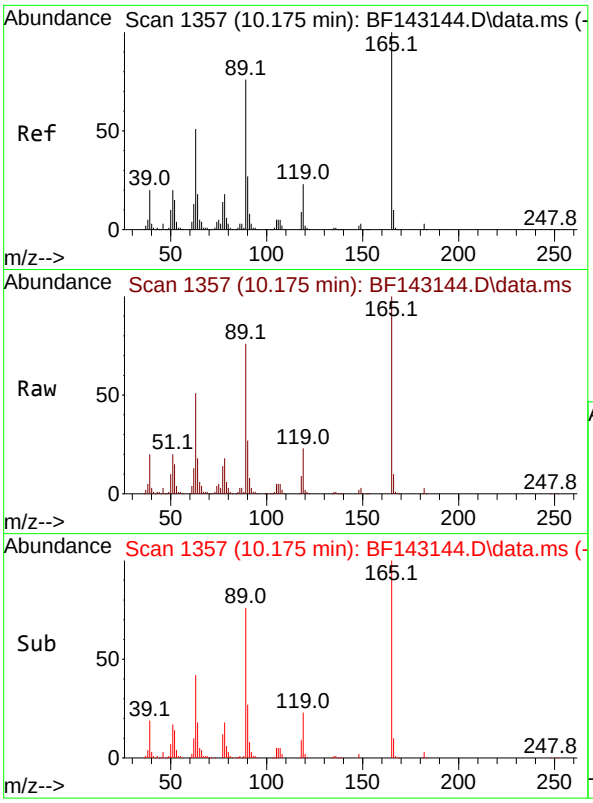


#56
4-Nitrophenol
Concen: 42.408 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:139 Resp: 163009

Ion	Ratio	Lower	Upper
139	100		
109	68.5	48.5	88.5
65	103.4	83.4	123.4



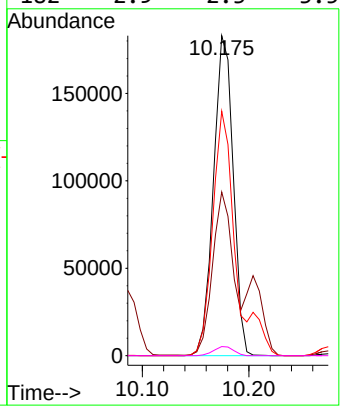


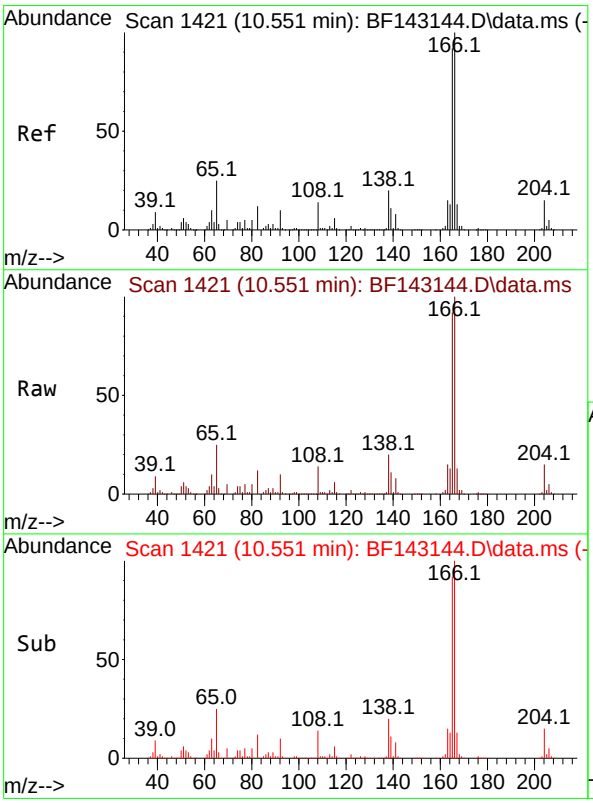
#57
2,4-Dinitrotoluene
Concen: 42.581 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 235101

Ion	Ratio	Lower	Upper
165	100		
63	51.2	41.0	61.4
89	76.4	61.1	91.7
182	2.9	2.3	3.5

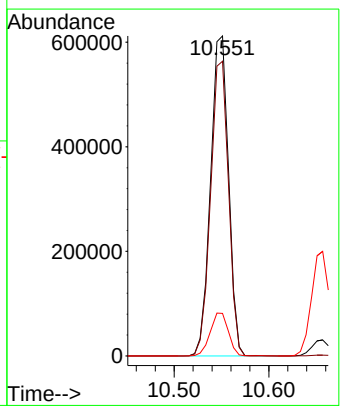


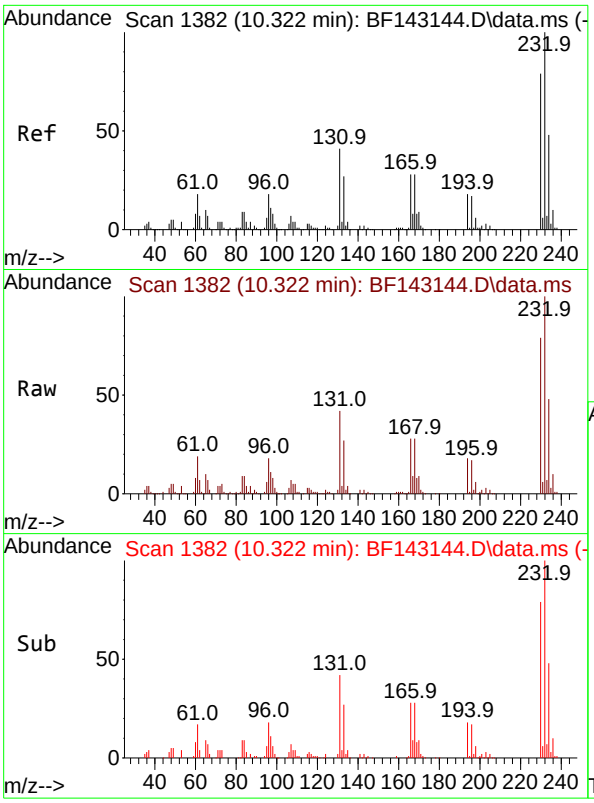


#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:166 Resp: 804336

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.3	10.6	16.0



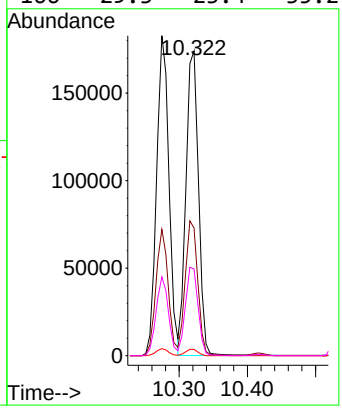


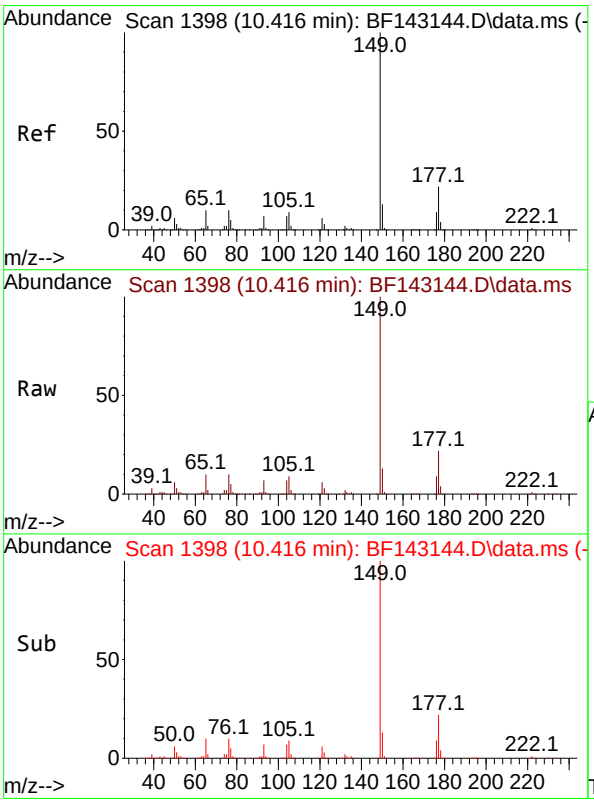
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.196 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 220872

Ion	Ratio	Lower	Upper
232	100		
131	44.1	35.3	52.9
130	2.1	1.7	2.5
166	29.3	23.4	35.2

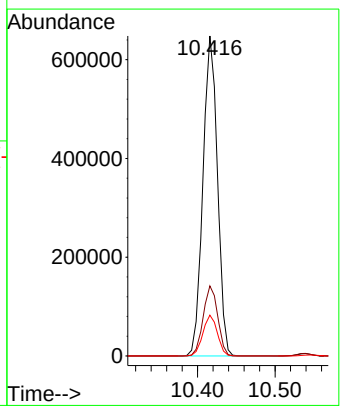


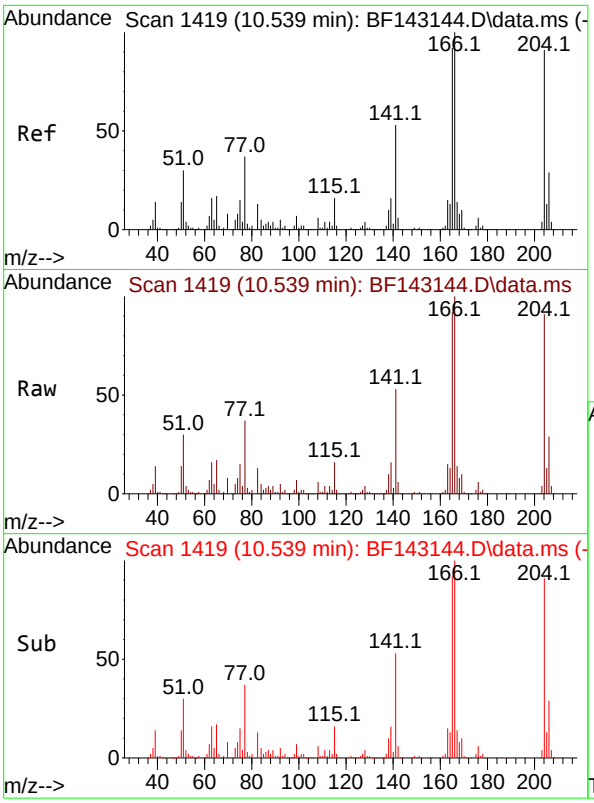


#60
Diethylphthalate
Concen: 39.387 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 842184

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.7	10.2	15.2



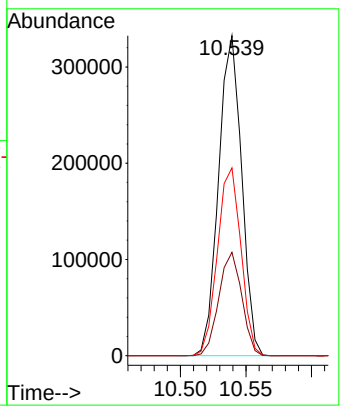


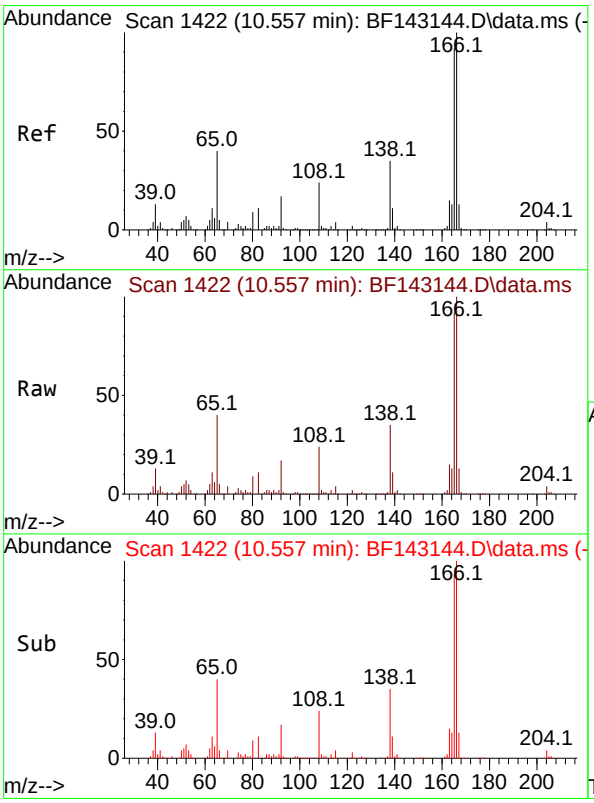
#61
4-Chlorophenyl-phenylether
Concen: 38.604 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 406477

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	58.7	47.0	70.4

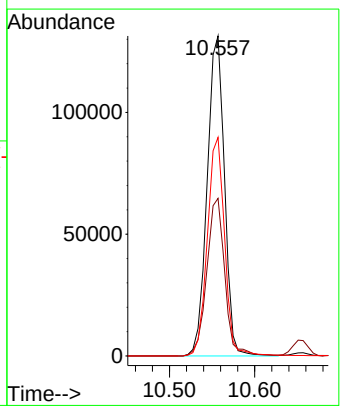


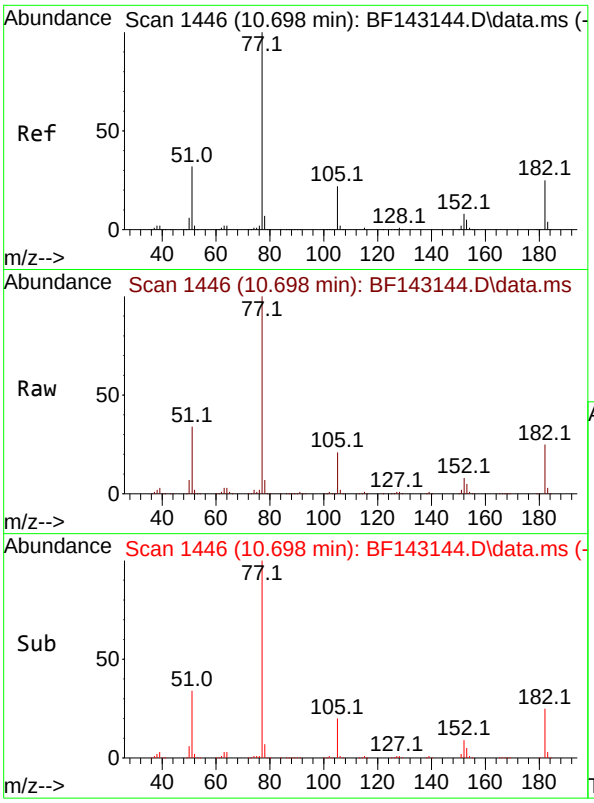


#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:138 Resp: 185530

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	68.3	48.3	88.3



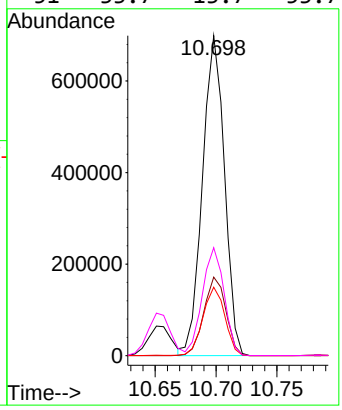


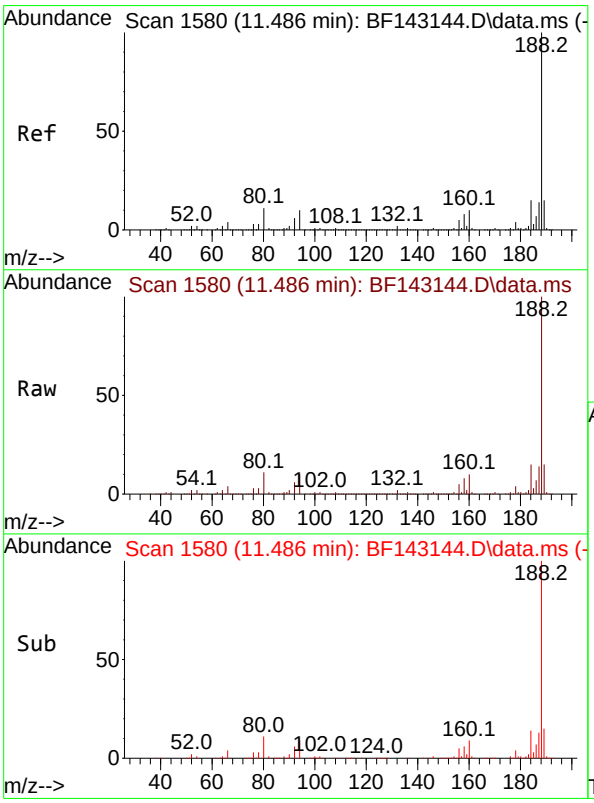
#63
Azobenzene
Concen: 39.326 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 876387

Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.4	1.4	41.4
51	33.7	13.7	53.7

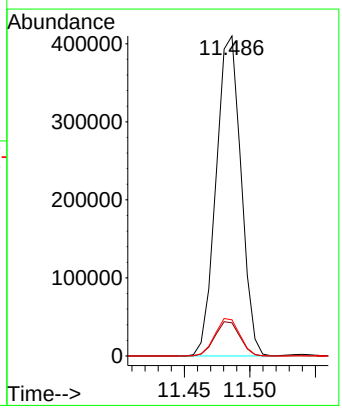


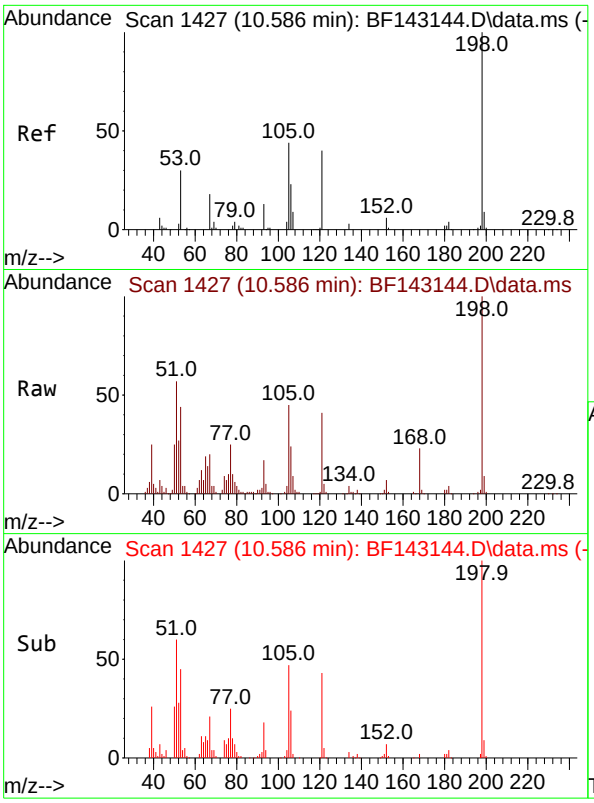


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:188 Resp: 542726

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	11.3	9.0	13.6



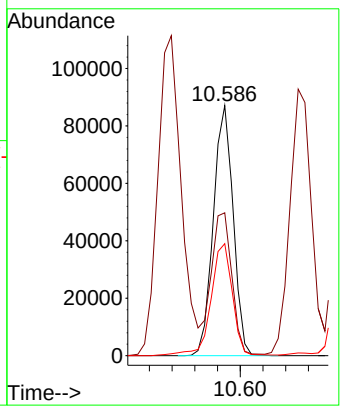


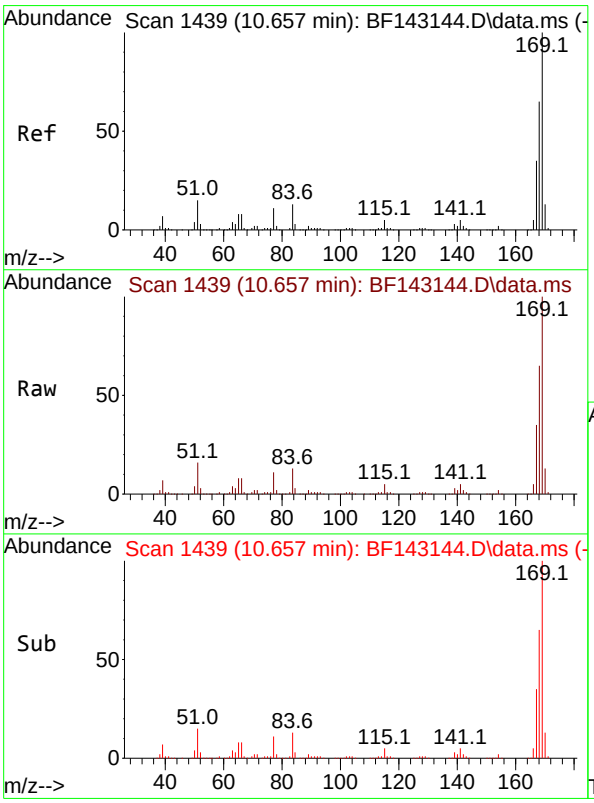
#65
4,6-Dinitro-2-methylphenol
Concen: 38.322 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 105533

Ion	Ratio	Lower	Upper
198	100		
51	57.2	37.2	77.2
105	44.8	24.8	64.8

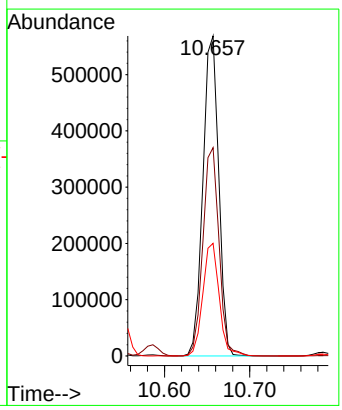


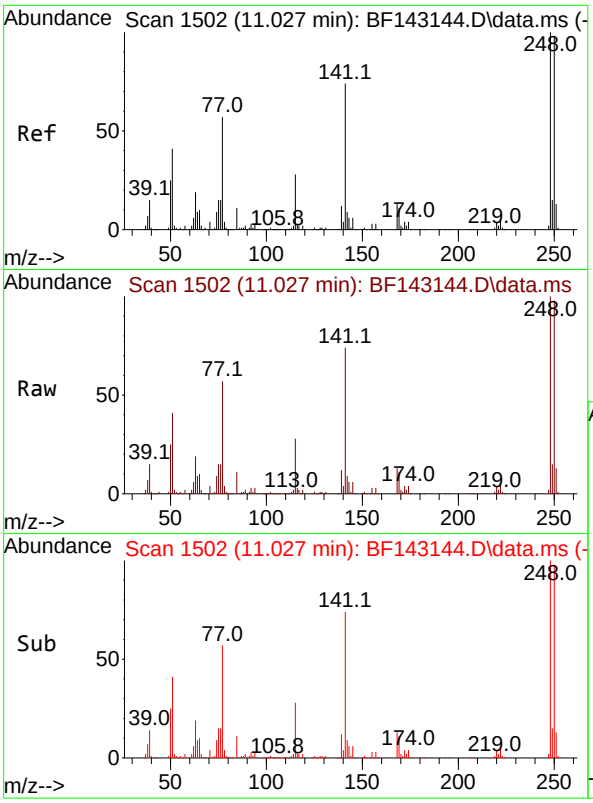


#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:169 Resp: 731532

Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.1	78.1
167	35.2	28.2	42.2



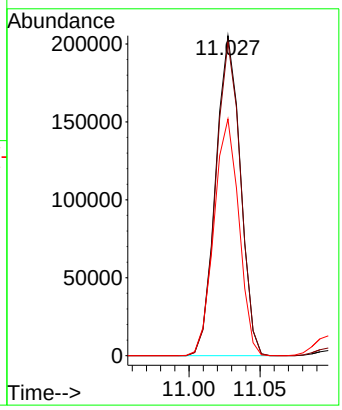


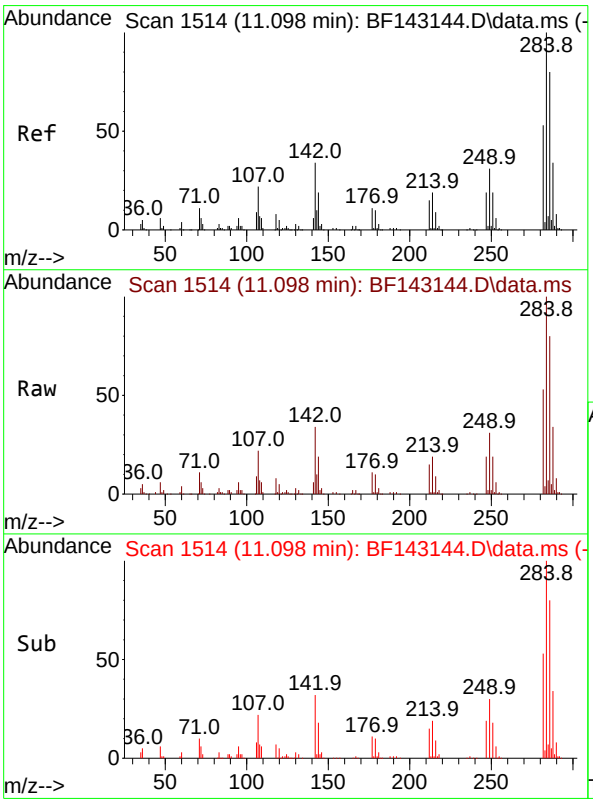
#67
4-Bromophenyl-phenylether
Concen: 38.307 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 247764

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	74.0	59.2	88.8

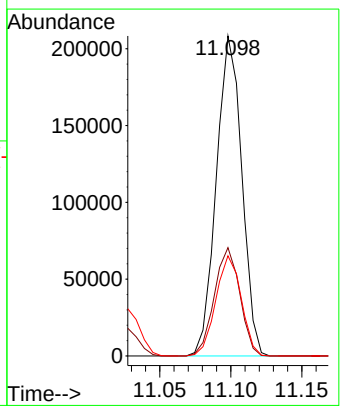


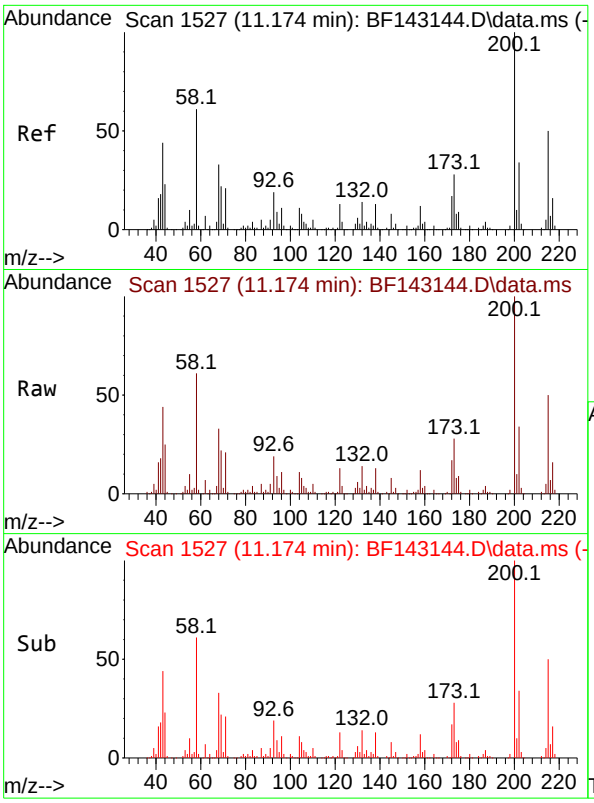


#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:284 Resp: 259758

Ion	Ratio	Lower	Upper
284	100		
142	33.8	27.0	40.6
249	31.3	25.0	37.6



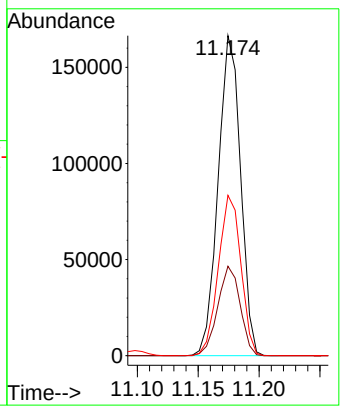


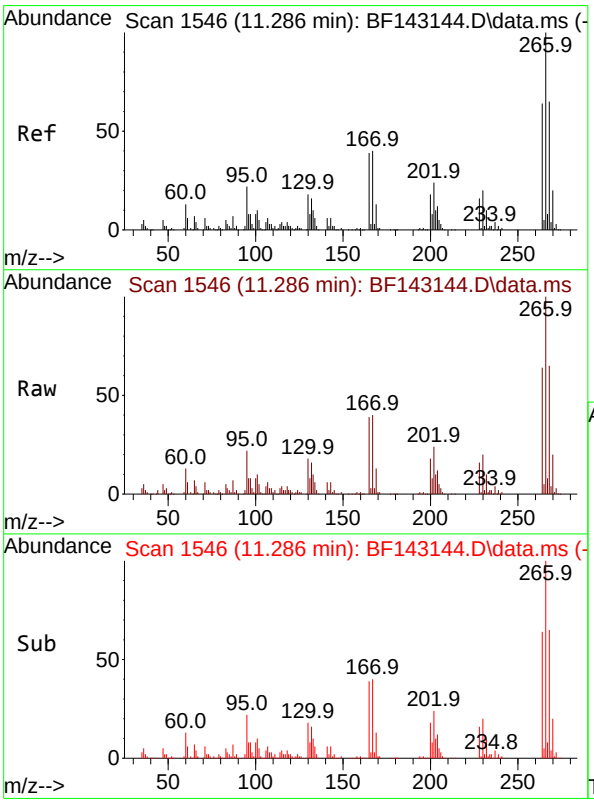
#69
Atrazine
Concen: 40.421 ng
RT: 11.174 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 212970

Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.9	47.9
215	50.1	30.1	70.1

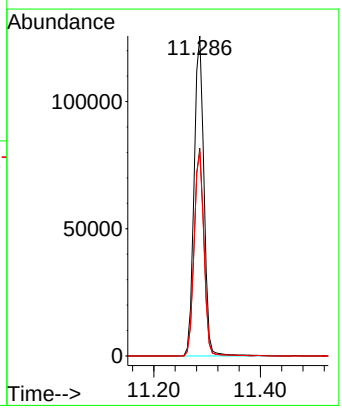


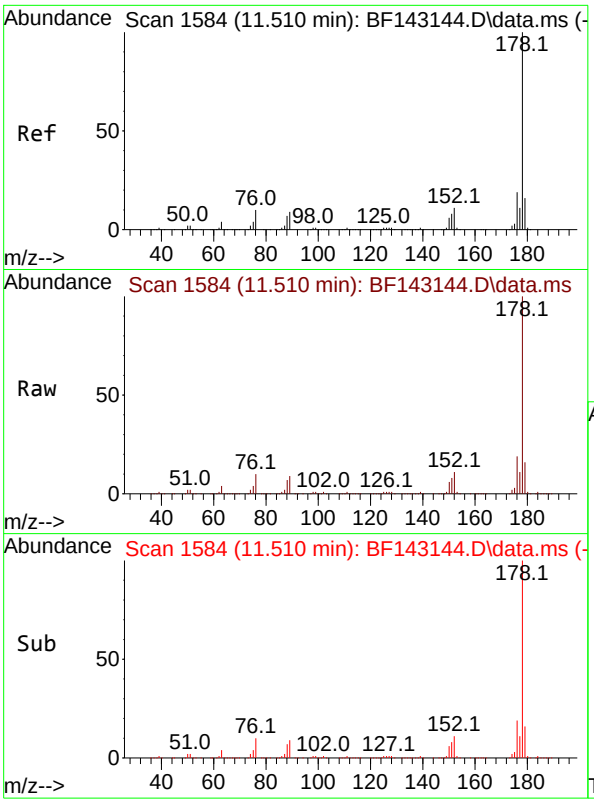


#70
Pentachlorophenol
Concen: 40.500 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:266 Resp: 161013

Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.9	77.9
264	63.8	51.0	76.6



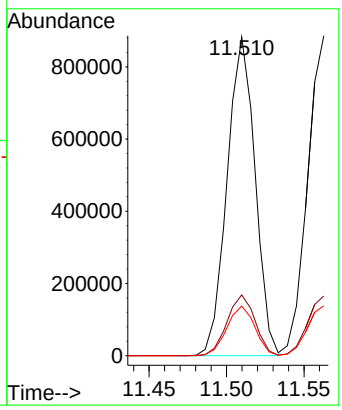


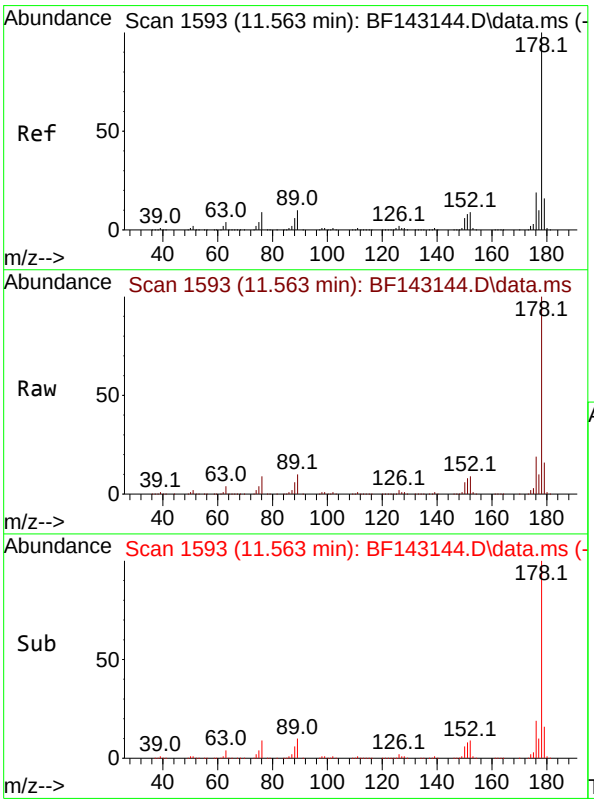
#71
Phenanthrene
Concen: 38.429 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1107412

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7

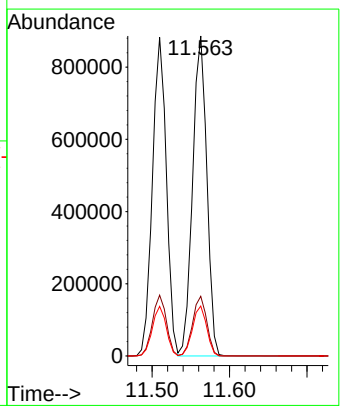


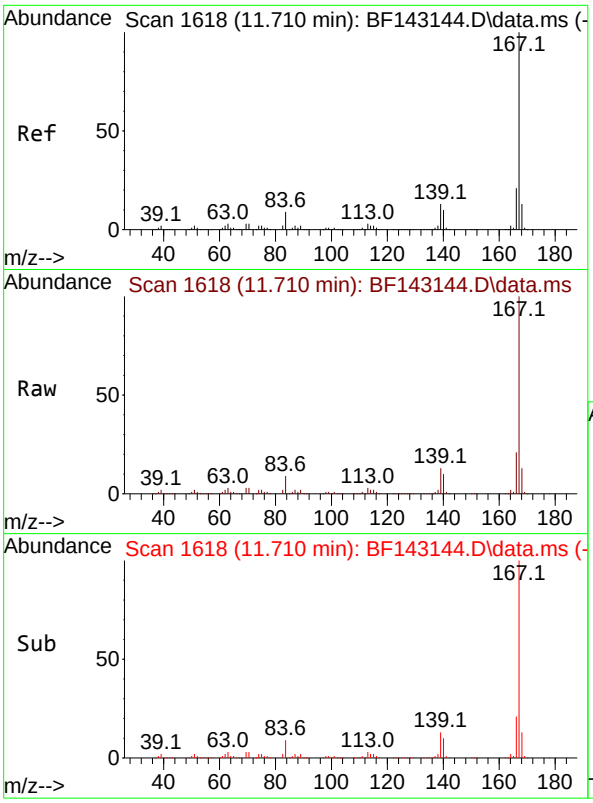


#72
Anthracene
Concen: 38.336 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:178 Resp: 1126710

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.5	18.7



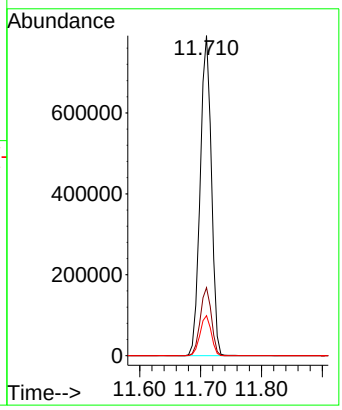


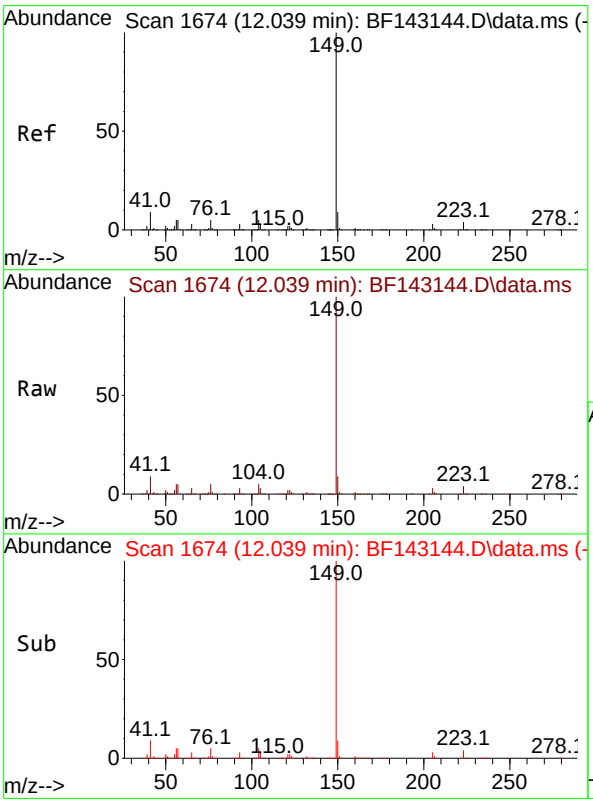
#73
Carbazole
Concen: 39.304 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1008669

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.5	10.0	15.0

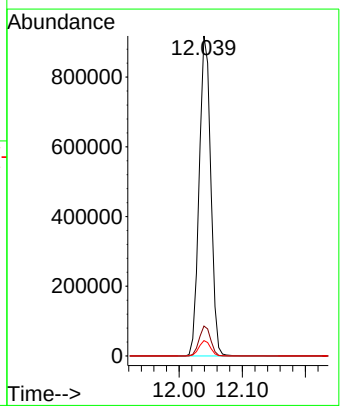


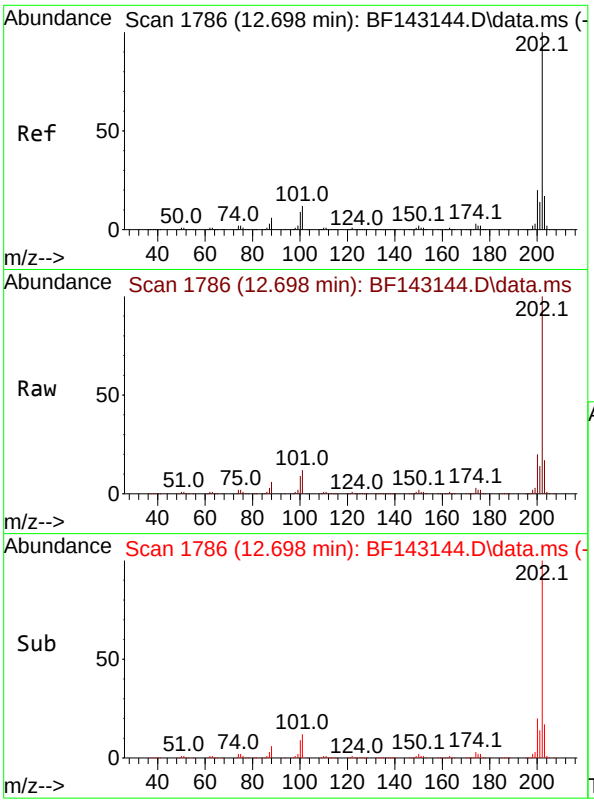


#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 1165443

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.8	3.8	5.8



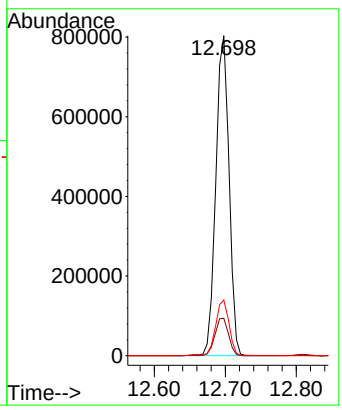


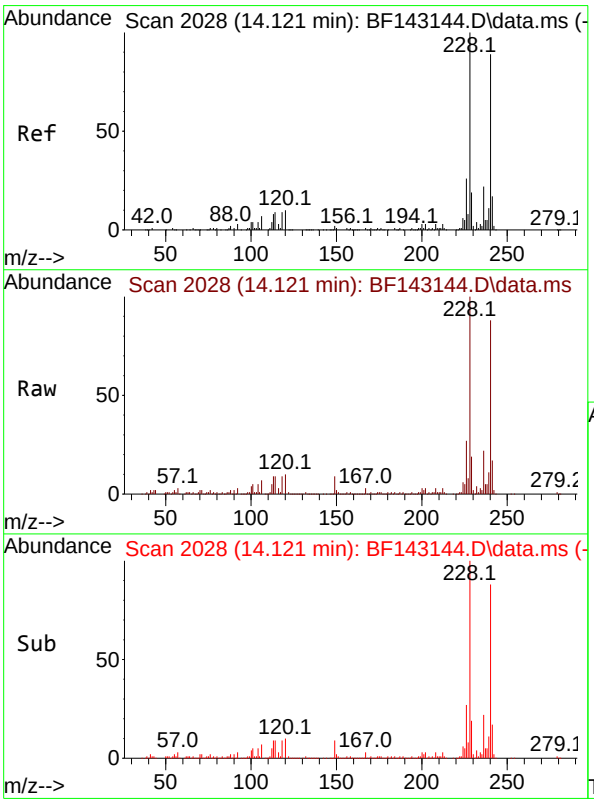
#75
Fluoranthene
Concen: 39.111 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1034509

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.4	0.0	37.4

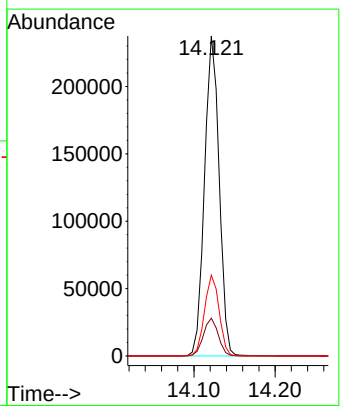


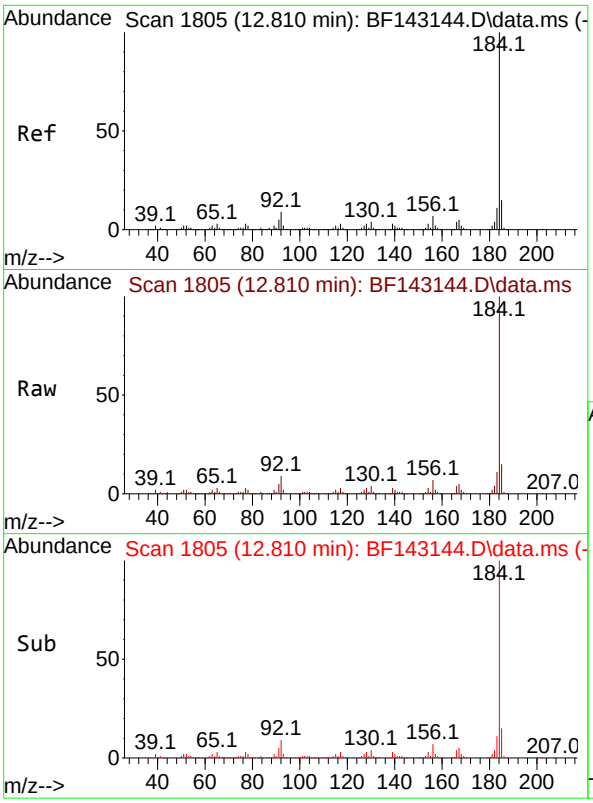


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:240 Resp: 296414

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	25.3	20.2	30.4



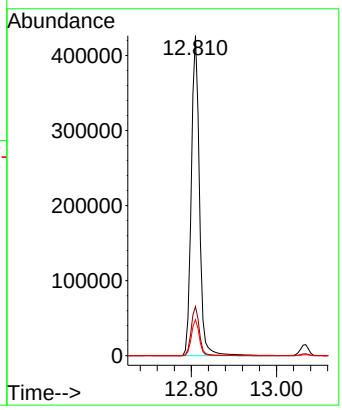


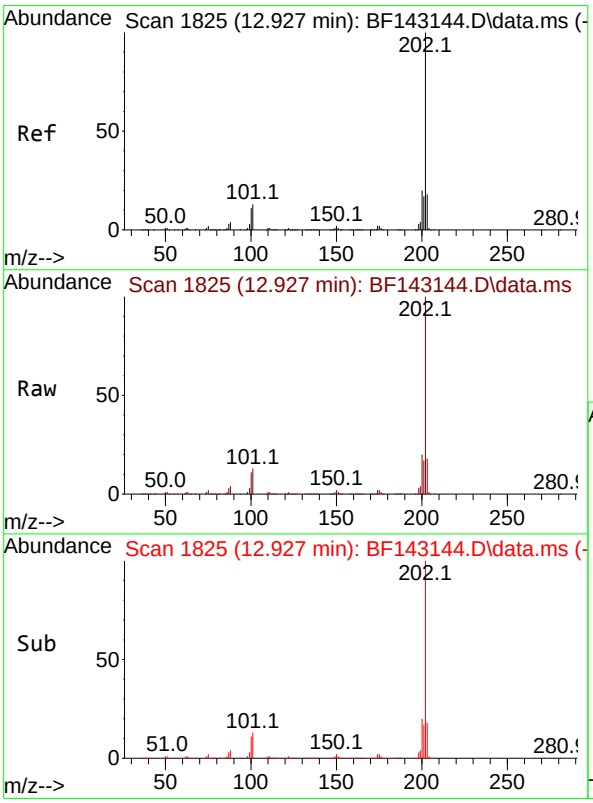
#77
Benzidine
Concen: 49.451 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 564732

Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.4
183	11.2	9.0	13.4

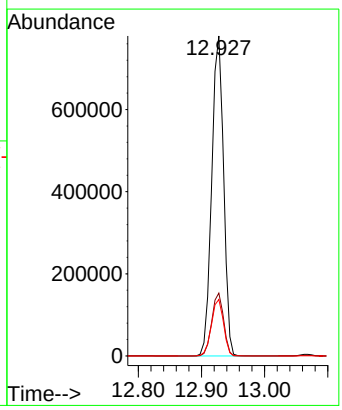


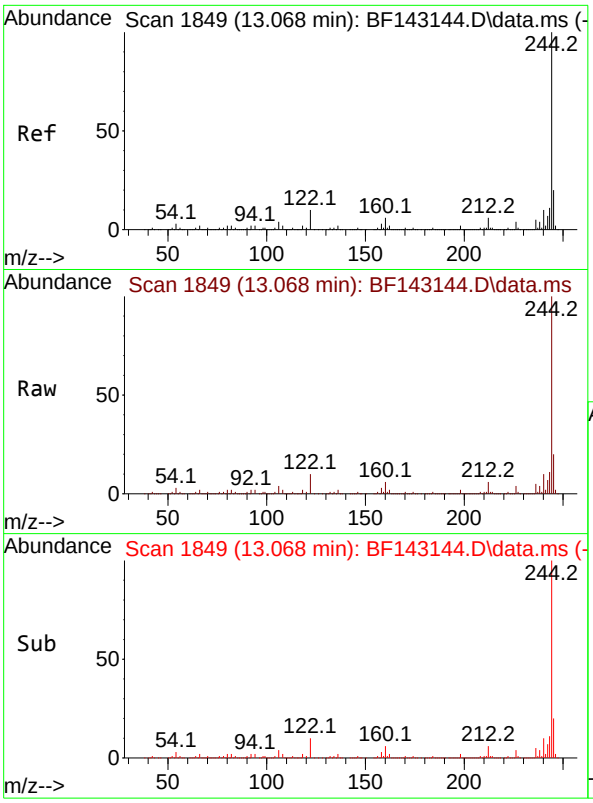


#78
Pyrene
Concen: 40.195 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:202 Resp: 1016822

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.7	14.2	21.2



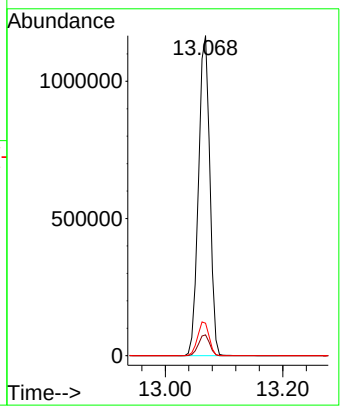


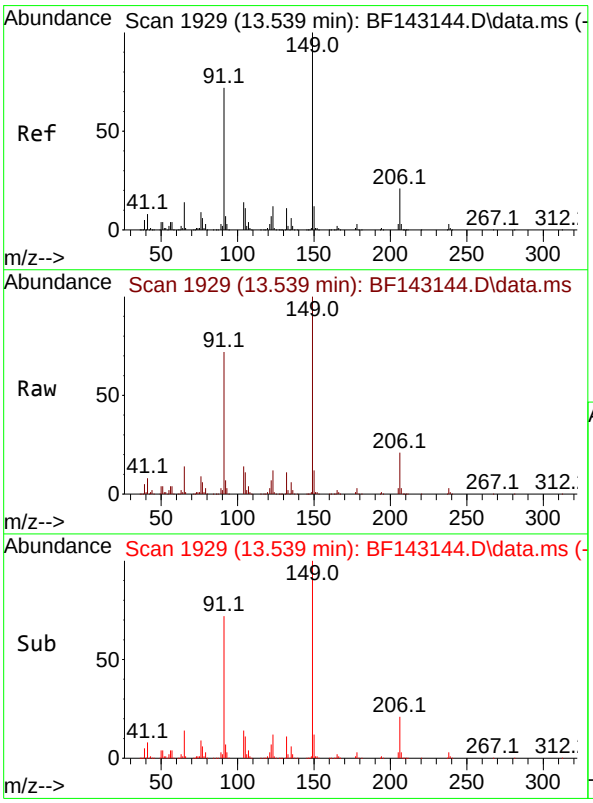
#79
Terphenyl-d14
Concen: 78.063 ng
RT: 13.068 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1554923

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.2	8.2	12.2

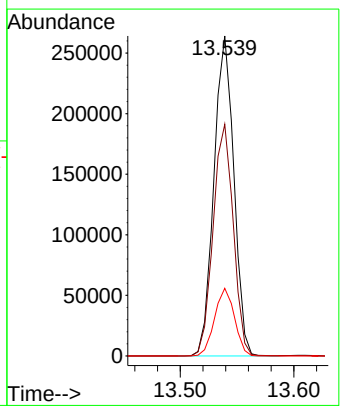


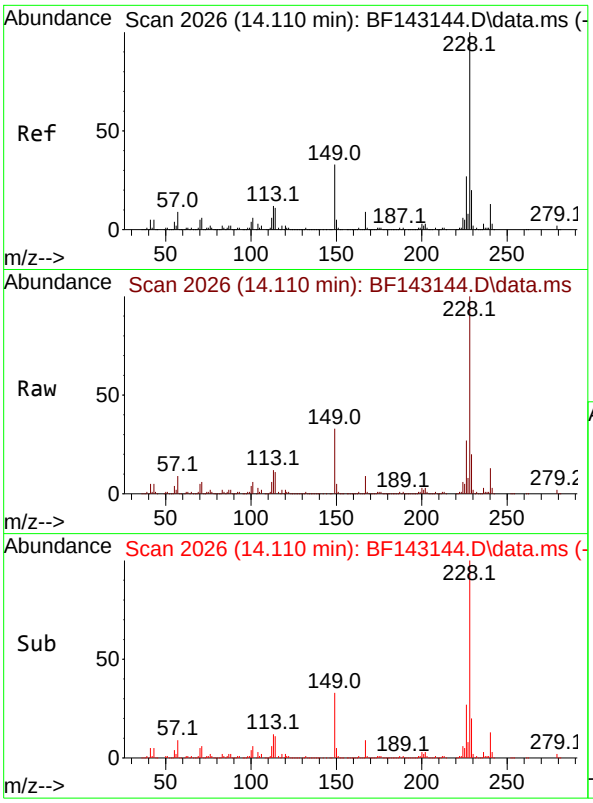


#80
Butylbenzylphthalate
Concen: 41.603 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 322273

Ion	Ratio	Lower	Upper
149	100		
91	72.4	57.9	86.9
206	21.2	17.0	25.4



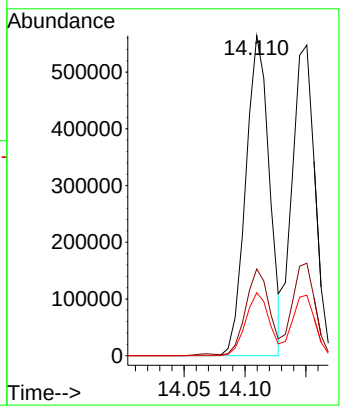


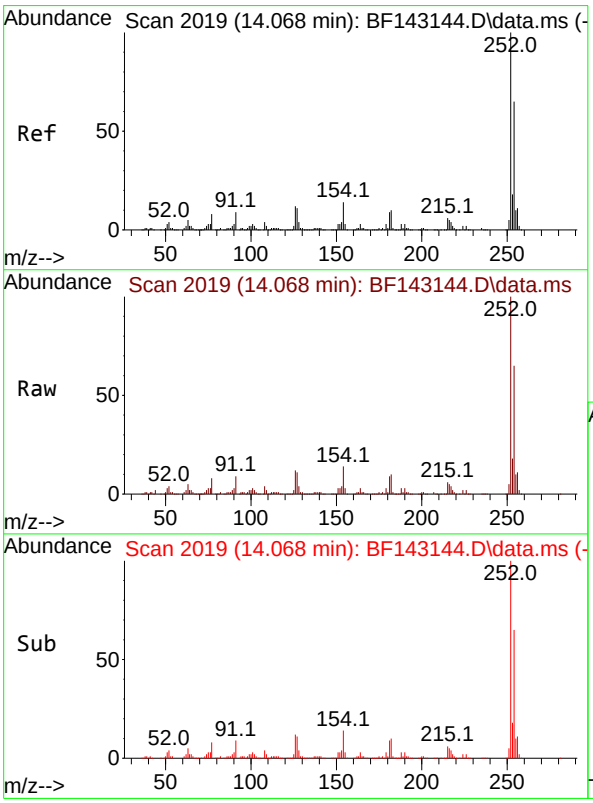
#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 759726

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.7	15.8	23.6

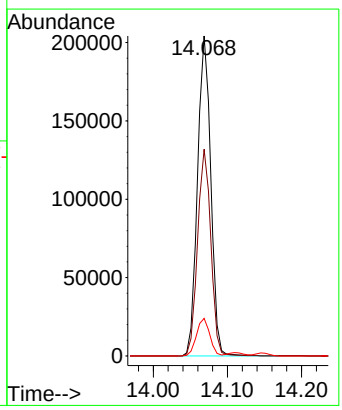


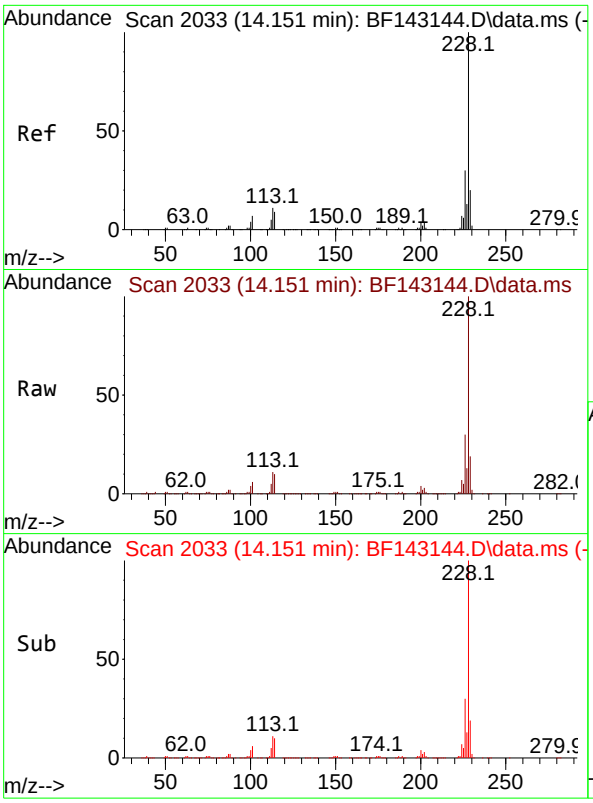


#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 254099

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.7	9.4	14.0



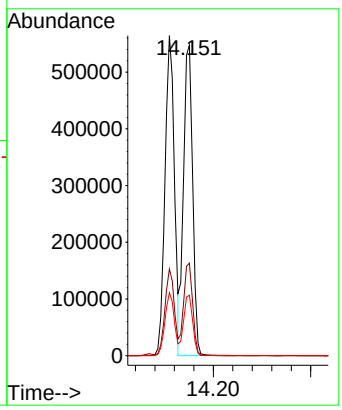


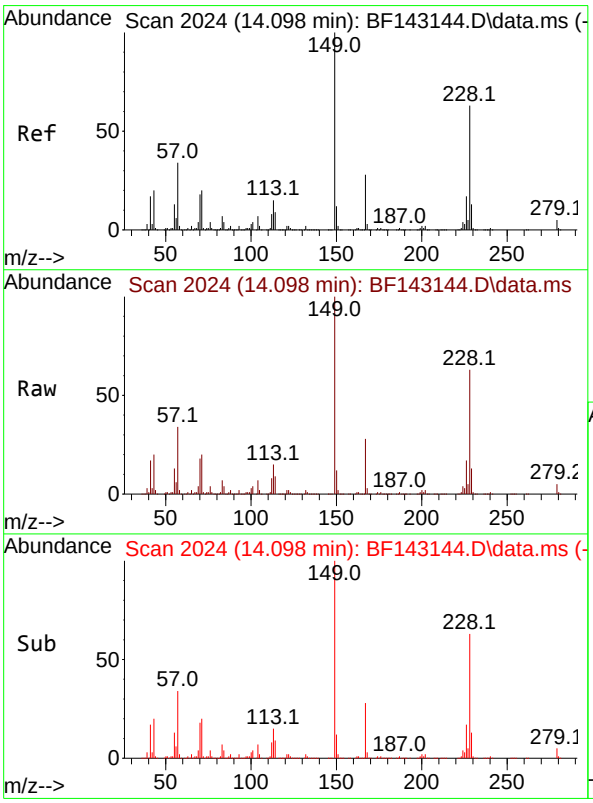
#83
Chrysene
Concen: 40.085 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 715222

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.5	15.6	23.4

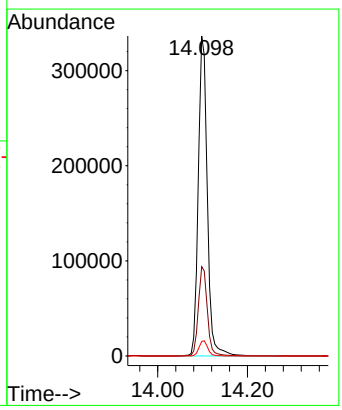


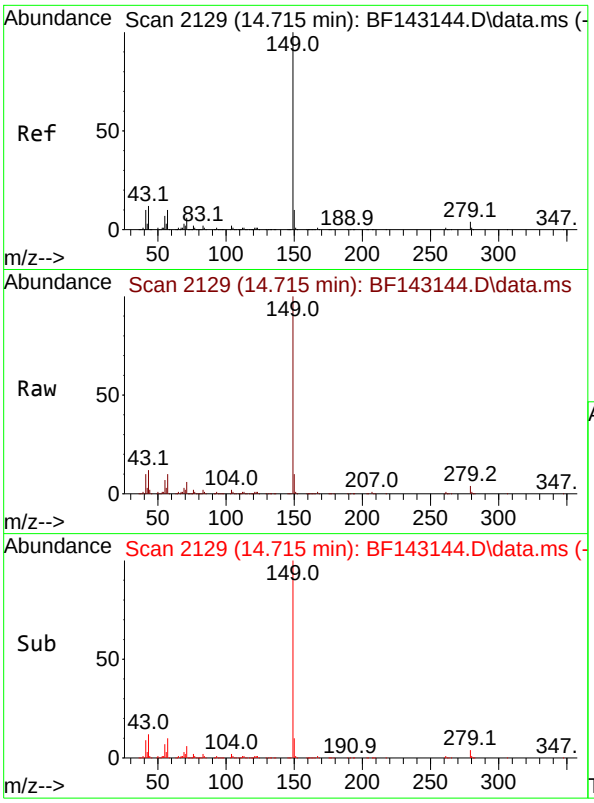


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.906 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:149 Resp: 467892

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.5	3.6	5.4



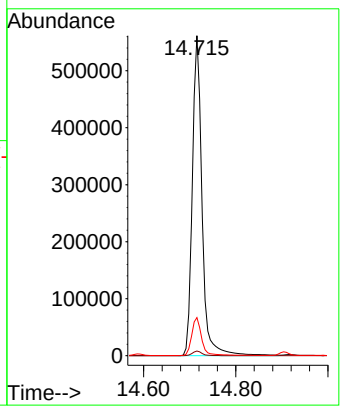


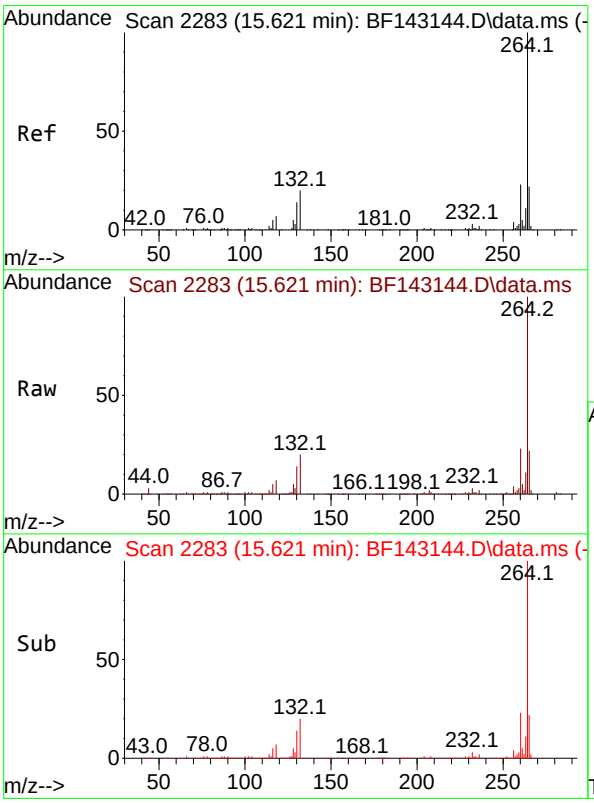
#85
Di-n-octyl phthalate
Concen: 38.595 ng
RT: 14.715 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 820264

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	12.1	9.7	14.5

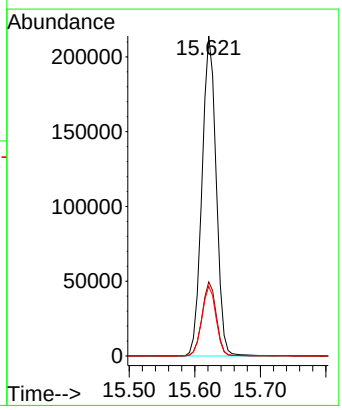


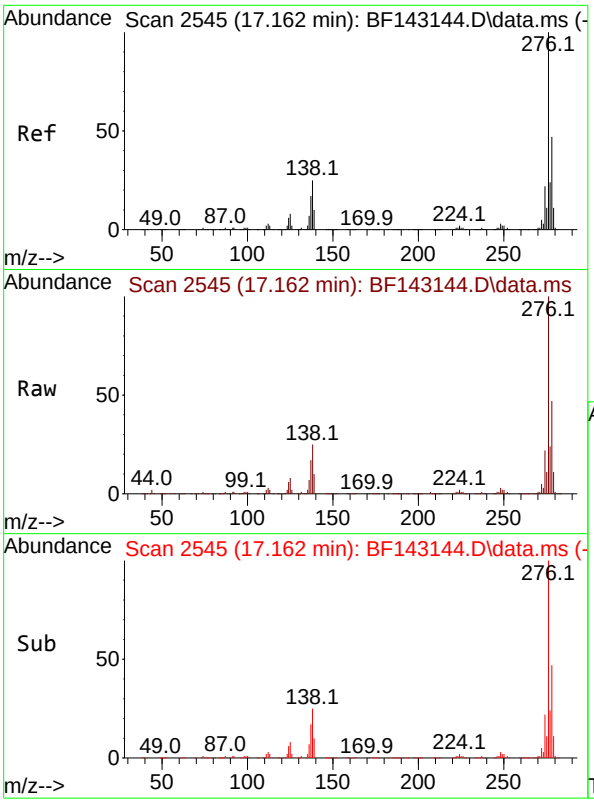


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:264 Resp: 323574

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.8	17.4	26.2



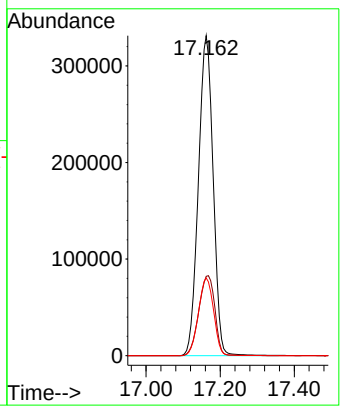


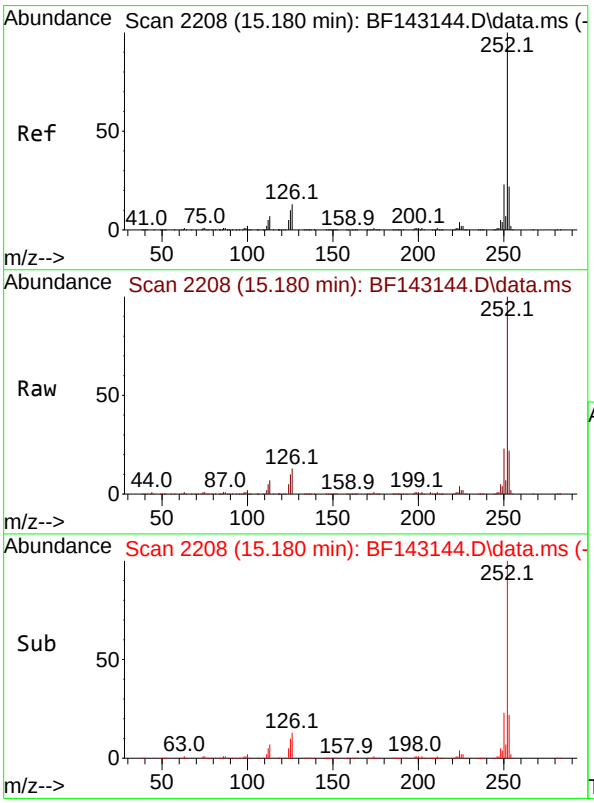
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.086 ng
RT: 17.162 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 914626

Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	25.0	20.0	30.0

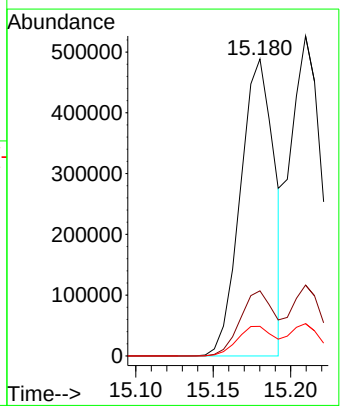


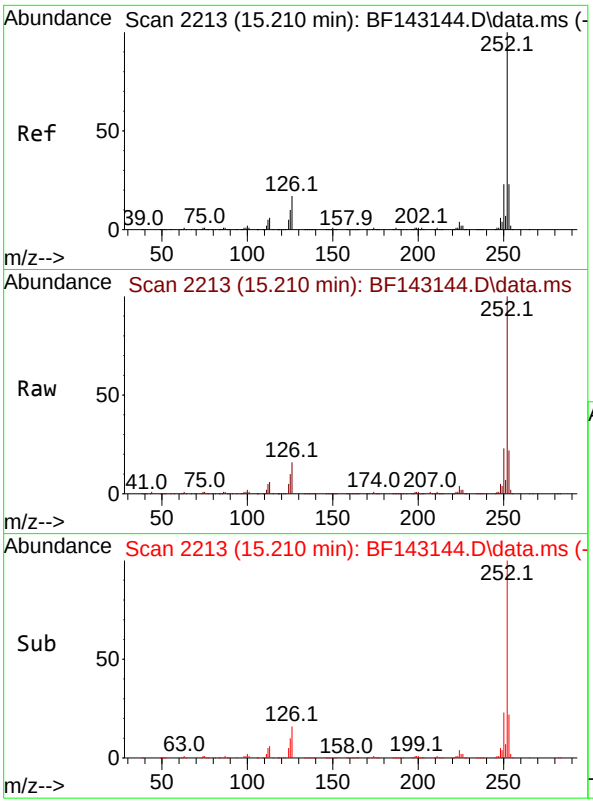


#88
Benzo(b)fluoranthene
Concen: 37.554 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 742346

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.0	8.0	12.0



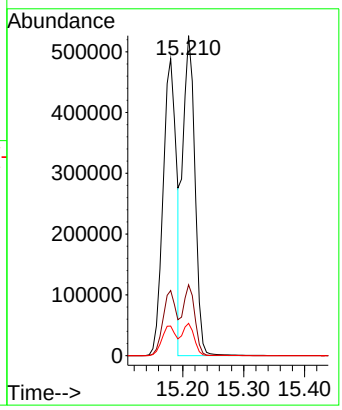


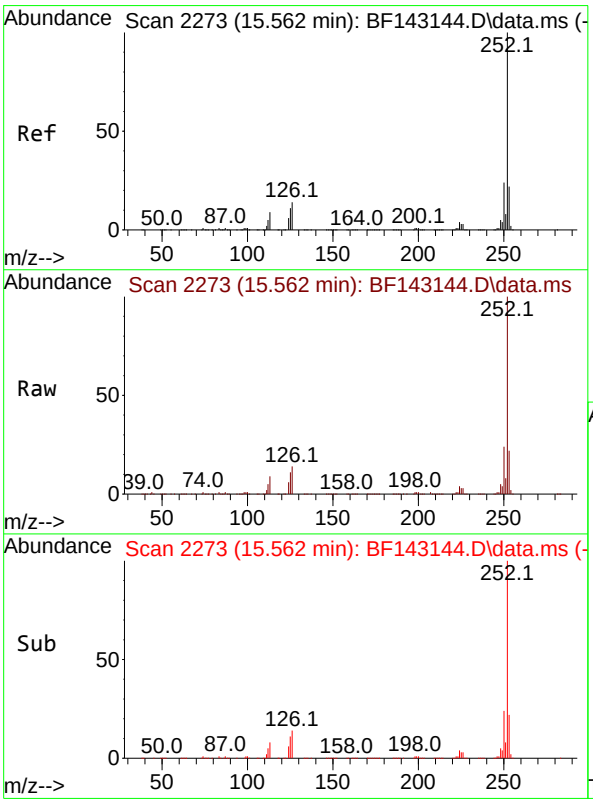
#89
Benzo(k)fluoranthene
Concen: 41.591 ng
RT: 15.210 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 733635

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.1	8.1	12.1

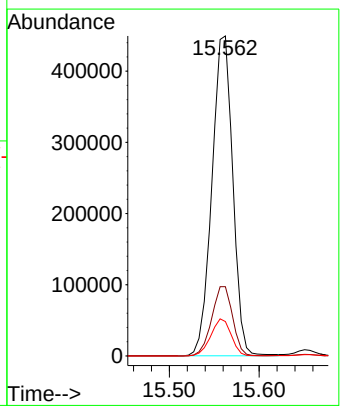


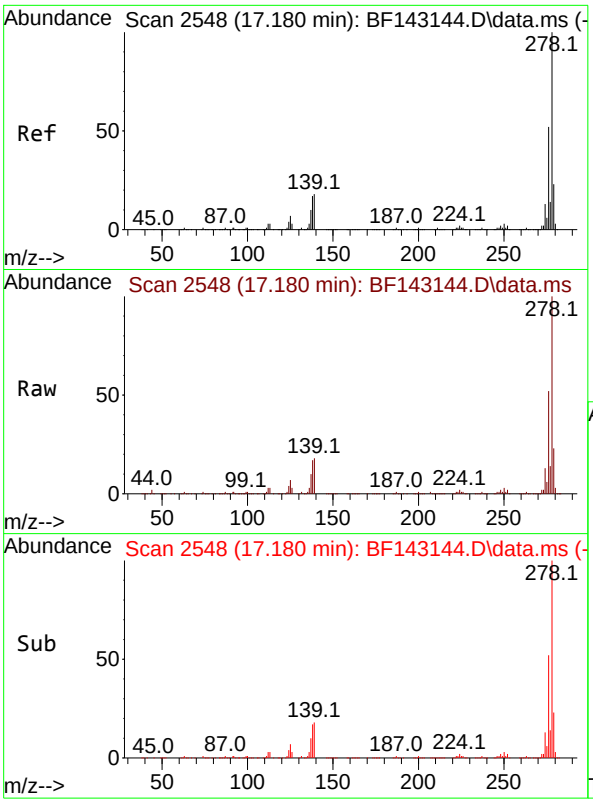


#90
Benzo(a)pyrene
Concen: 39.826 ng
RT: 15.562 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:252 Resp: 725344

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	10.8	8.6	13.0



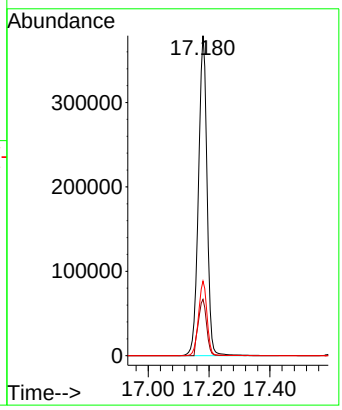


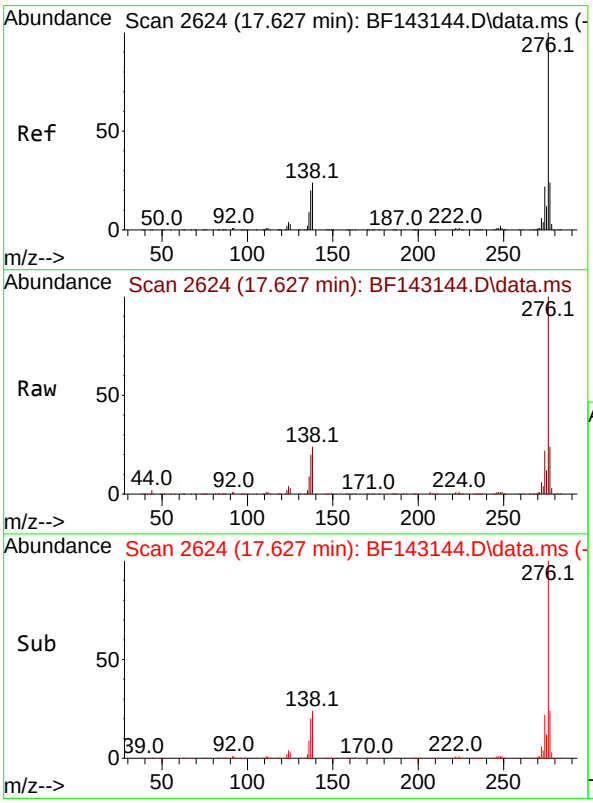
#91
Dibenzo(a,h)anthracene
Concen: 39.964 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 742180

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.1	21.1
279	23.3	18.6	28.0

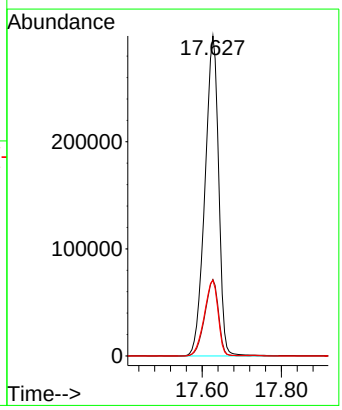




#92
Benzo(g,h,i)perylene
Concen: 39.949 ng
RT: 17.627 min Scan# 2624
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:276 Resp: 717648

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	23.6	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143145.D
Acq On : 17 Jul 2025 13:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SSTDICC050

Quant Time: Jul 17 15:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	144385	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	555536	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	283657	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	447089	20.000	ng		0.00
76) Chrysene-d12	14.121	240	247878	20.000	ng		0.00
86) Perylene-d12	15.621	264	282289	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	927268	101.629	ng		0.00
7) Phenol-d6	6.587	99	1178468	102.615	ng		0.00
23) Nitrobenzene-d5	7.528	82	1158494	103.949	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	309465	105.607	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	2005894	96.712	ng		0.00
79) Terphenyl-d14	13.068	244	1663033	99.838	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.816	88	225749	52.289	ng		100
3) Pyridine	3.587	79	584060	52.122	ng		99
4) n-Nitrosodimethylamine	3.534	42	307202	53.098	ng		100
6) Aniline	6.628	93	827275	51.687	ng		100
8) 2-Chlorophenol	6.751	128	493989	51.652	ng		98
9) Benzaldehyde	6.516	77	509476	59.162	ng		99
10) Phenol	6.598	94	678372	54.222	ng		99
11) bis(2-Chloroethyl)ether	6.698	93	491371	51.295	ng		99
12) 1,3-Dichlorobenzene	6.910	146	529202	50.937	ng		99
13) 1,4-Dichlorobenzene	6.981	146	531696	50.818	ng		99
14) 1,2-Dichlorobenzene	7.134	146	510140	51.264	ng		100
15) Benzyl Alcohol	7.098	79	461379	52.616	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.239	45	908530	51.128	ng		99
17) 2-Methylphenol	7.204	107	418793	52.079	ng		100
18) Hexachloroethane	7.481	117	189394	52.289	ng		99
19) n-Nitroso-di-n-propyla...	7.381	70	369367	50.131	ng		99
20) 3+4-Methylphenols	7.363	107	506069	51.870	ng	#	89
22) Acetophenone	7.369	105	661017	50.258	ng		98
24) Nitrobenzene	7.545	77	538666	51.843	ng		100
25) Isophorone	7.786	82	1018783	51.783	ng		99
26) 2-Nitrophenol	7.857	139	252169	55.920	ng		98
27) 2,4-Dimethylphenol	7.892	122	469819	51.112	ng		100
28) bis(2-Chloroethoxy)met...	7.986	93	597241	50.631	ng		100
29) 2,4-Dichlorophenol	8.098	162	401336	51.773	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	420763	50.242	ng		99
31) Naphthalene	8.269	128	1369627	50.060	ng		100
32) Benzoic acid	7.998	122	263494	50.647	ng		99
33) 4-Chloroaniline	8.310	127	566422	50.703	ng		99
34) Hexachlorobutadiene	8.392	225	260787	50.976	ng		99
35) Caprolactam	8.680	113	126050	53.811	ng		96
36) 4-Chloro-3-methylphenol	8.786	107	431745	51.242	ng		98
37) 2-Methylnaphthalene	8.957	142	837820	50.324	ng		100
38) 1-Methylnaphthalene	9.057	142	862300	50.298	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	412916	50.420	ng		100
41) Hexachlorocyclopentadiene	9.116	237	286805	53.823	ng		99
43) 2,4,6-Trichlorophenol	9.228	196	304466	53.718	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143145.D
Acq On : 17 Jul 2025 13:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 17 15:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

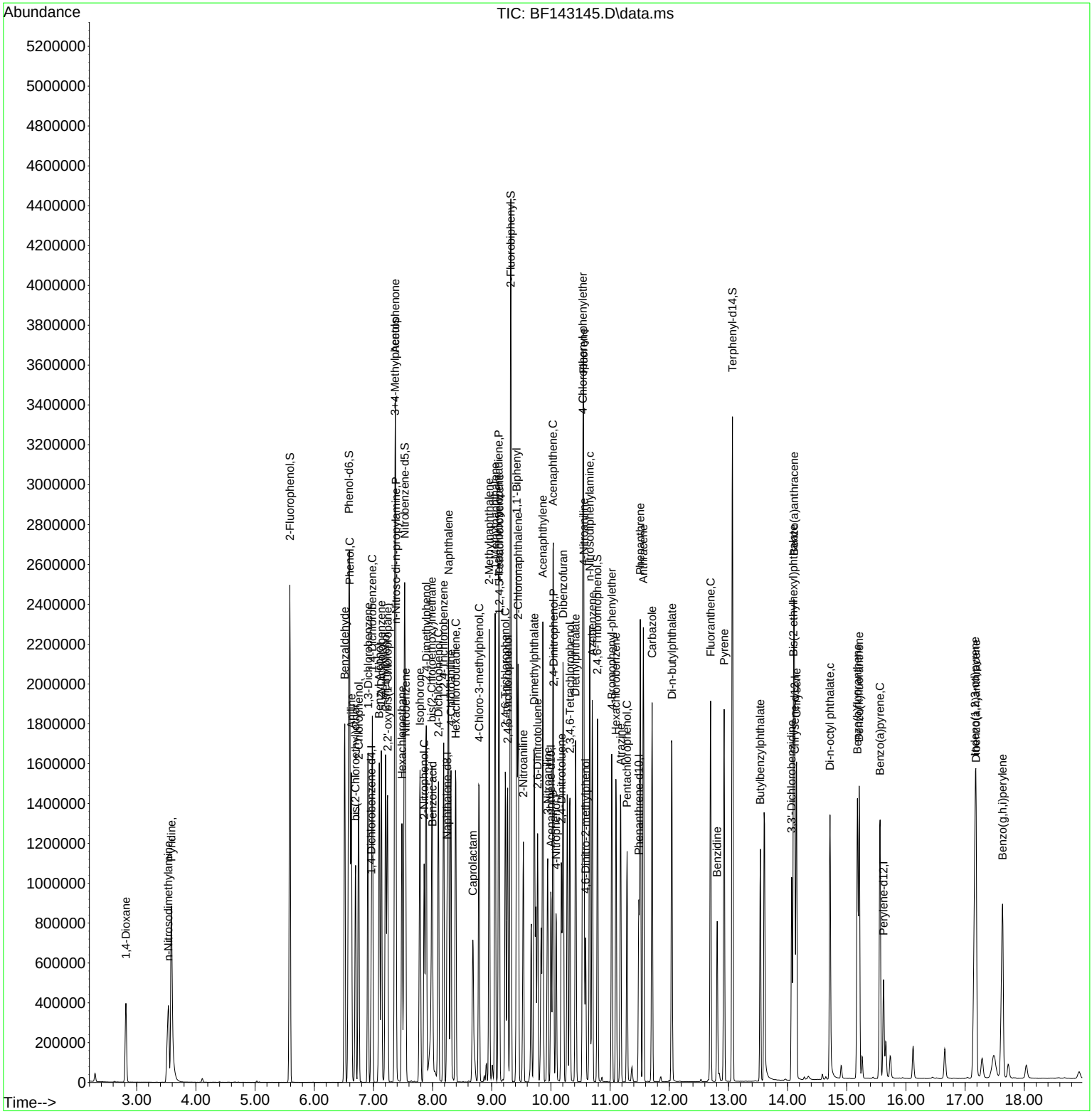
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	291607	51.434	ng	99
46) 1,1'-Biphenyl	9.422	154	1101317	49.764	ng	99
47) 2-Chloronaphthalene	9.445	162	826749	50.488	ng	100
48) 2-Nitroaniline	9.533	65	281082	54.736	ng	99
49) Acenaphthylene	9.863	152	1388721	50.605	ng	100
50) Dimethylphthalate	9.716	163	939863	50.832	ng	100
51) 2,6-Dinitrotoluene	9.775	165	205147	54.541	ng	98
52) Acenaphthene	10.033	154	818783	50.481	ng	100
53) 3-Nitroaniline	9.945	138	236959	53.861	ng	99
54) 2,4-Dinitrophenol	10.045	184	81983	50.750	ng	98
55) Dibenzofuran	10.204	168	1204088	50.001	ng	99
56) 4-Nitrophenol	10.086	139	177408	54.001	ng	98
57) 2,4-Dinitrotoluene	10.180	165	264045	55.954	ng	95
58) Fluorene	10.551	166	891646	49.335	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	248745	52.965	ng	100
60) Diethylphthalate	10.416	149	942625	51.580	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	449168	49.911	ng	99
62) 4-Nitroaniline	10.557	138	205210	54.424	ng	99
63) Azobenzene	10.698	77	966931	50.766	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	122876	51.927	ng	100
66) n-Nitrosodiphenylamine	10.657	169	811422	51.540	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	275679	51.741	ng	98
68) Hexachlorobenzene	11.098	284	288405	51.788	ng	100
69) Atrazine	11.180	200	232907	53.662	ng	99
70) Pentachlorophenol	11.286	266	178753	54.581	ng	99
71) Phenanthrene	11.510	178	1194582	50.321	ng	100
72) Anthracene	11.563	178	1223920	50.552	ng	100
73) Carbazole	11.710	167	1076803	50.934	ng	100
74) Di-n-butylphthalate	12.045	149	1250841	52.290	ng	100
75) Fluoranthene	12.698	202	1093890	50.203	ng	100
77) Benzidine	12.810	184	431944	45.229	ng	100
78) Pyrene	12.927	202	1078520	50.982	ng	100
80) Butylbenzylphthalate	13.539	149	360698	55.681	ng	98
81) Benzo(a)anthracene	14.110	228	880975	53.085	ng	99
82) 3,3'-Dichlorobenzidine	14.068	252	294836	53.305	ng	99
83) Chrysene	14.151	228	754953	50.597	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	534128	54.475	ng	100
85) Di-n-octyl phthalate	14.715	149	960309	54.032	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	1061877	53.347	ng	99
88) Benzo(b)fluoranthene	15.180	252	953990	55.319	ng	100
89) Benzo(k)fluoranthene	15.209	252	754417	49.024	ng	99
90) Benzo(a)pyrene	15.562	252	840968	52.928	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	861467	53.172	ng	99
92) Benzo(g,h,i)perylene	17.633	276	843865	53.845	ng	100

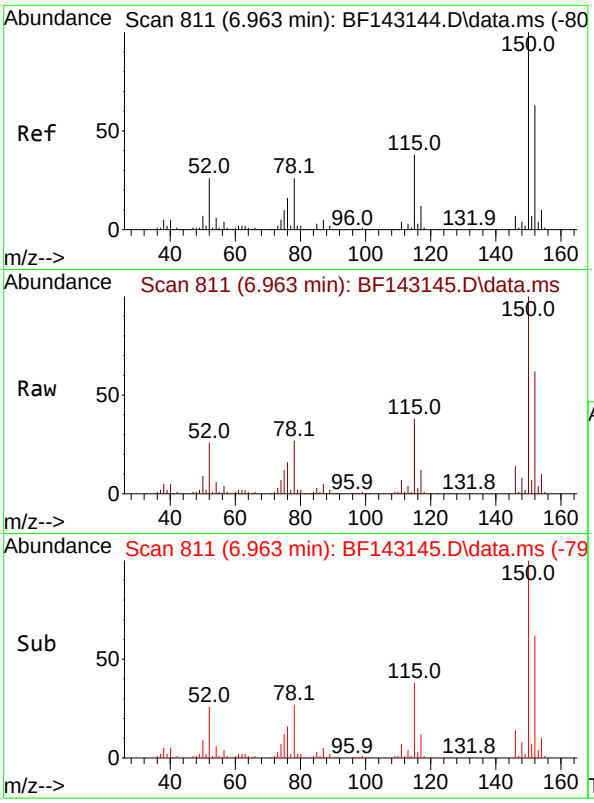
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143145.D
Acq On : 17 Jul 2025 13:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jul 17 15:04:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



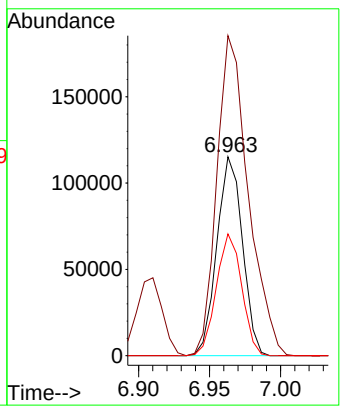


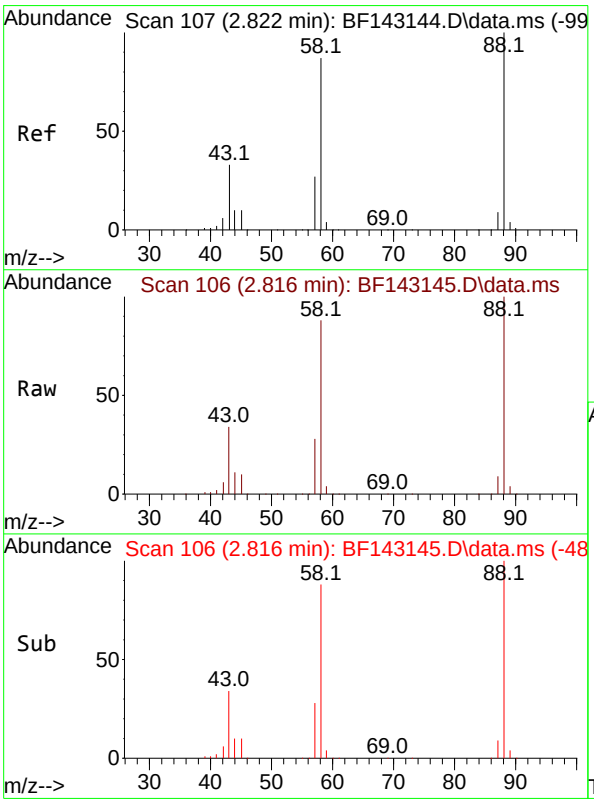
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 144385

Ion	Ratio	Lower	Upper
152	100		
150	160.9	128.2	192.4
115	61.2	47.9	71.9

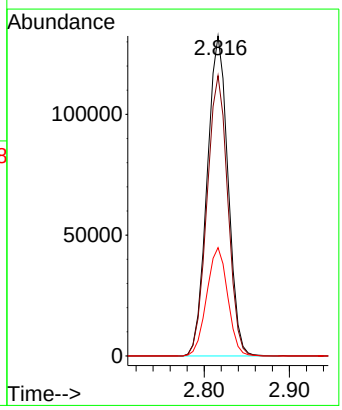


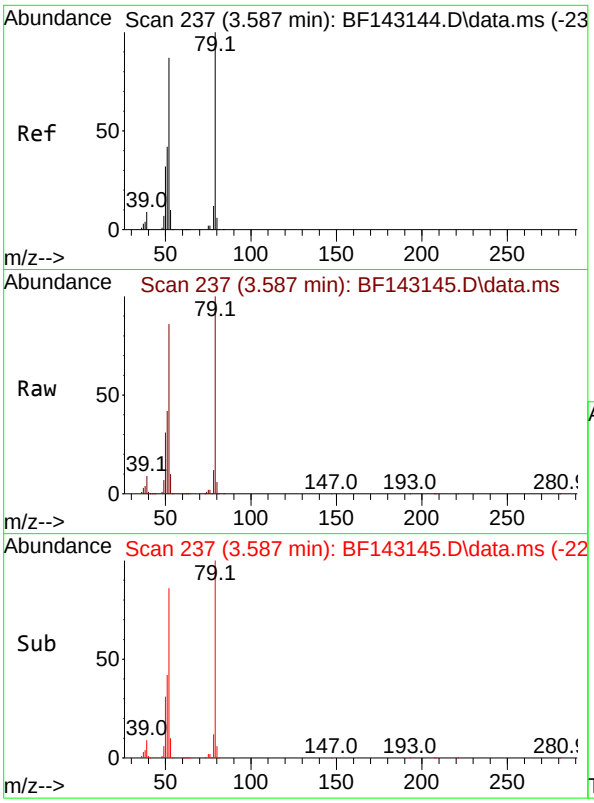


#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 88 Resp: 225749

Ion	Ratio	Lower	Upper
88	100		
58	87.3	70.2	105.2
43	34.0	27.1	40.7



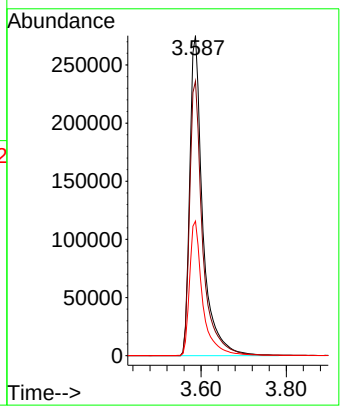


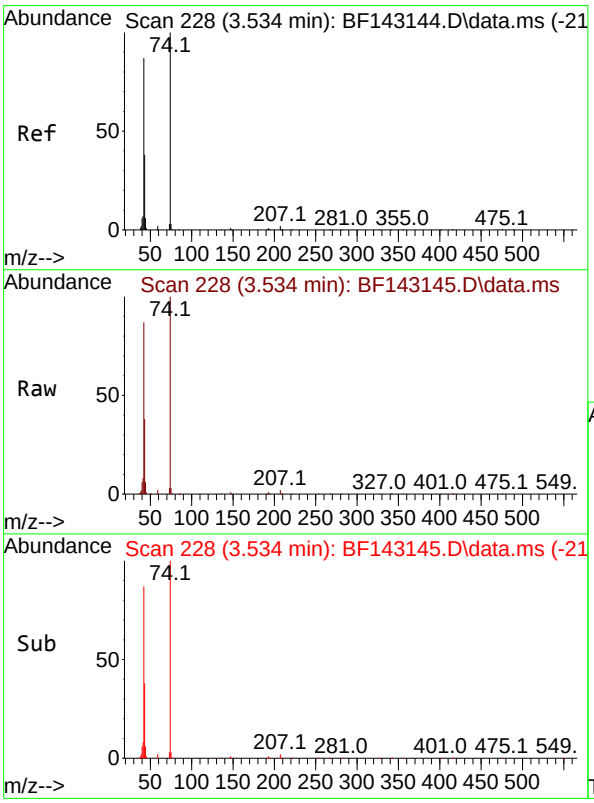
#3
Pyridine
Concen: 52.122 ng
RT: 3.587 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 584060

Ion	Ratio	Lower	Upper
79	100		
52	85.8	69.4	104.2
51	42.0	33.5	50.3

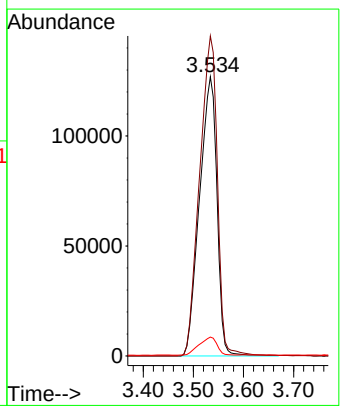


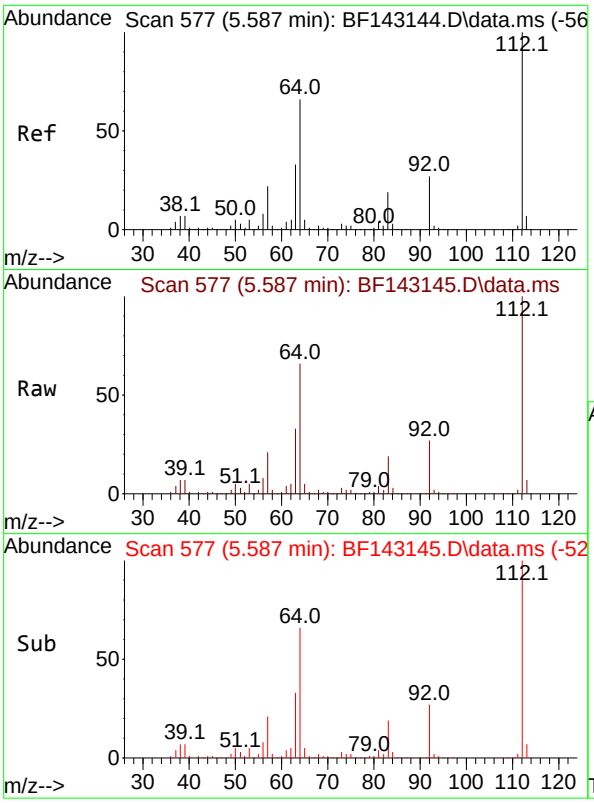


#4
n-Nitrosodimethylamine
Concen: 53.098 ng
RT: 3.534 min Scan# 228
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 42 Resp: 307202

Ion	Ratio	Lower	Upper
42	100		
74	114.6	91.7	137.5
44	6.8	5.6	8.4



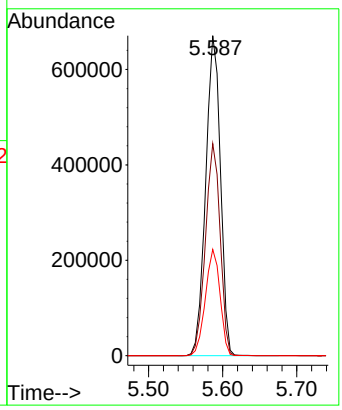


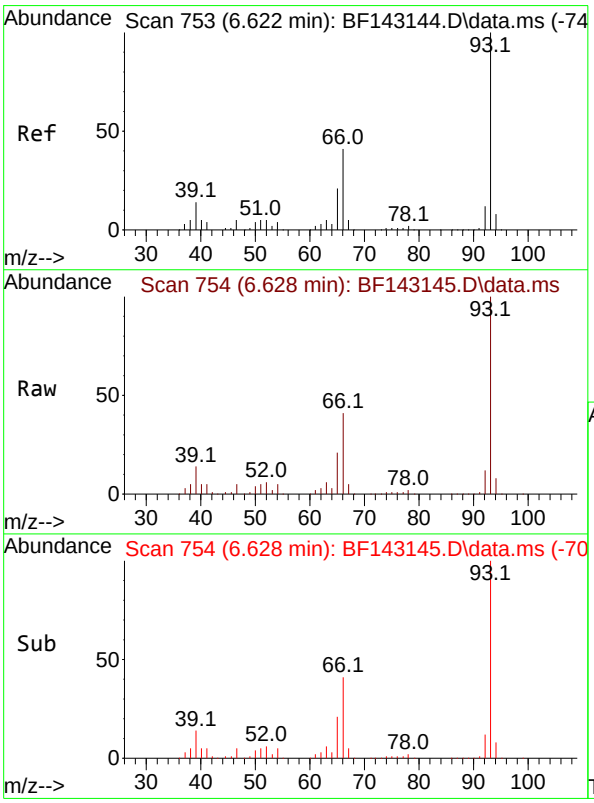
#5
2-Fluorophenol
Concen: 101.629 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 927268

Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.1	79.7
63	33.2	26.6	40.0

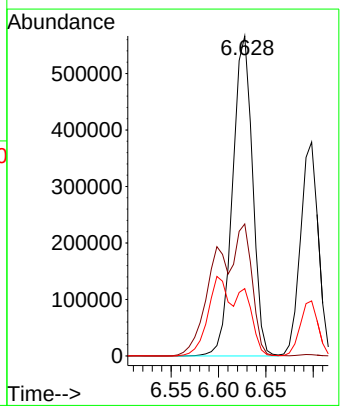


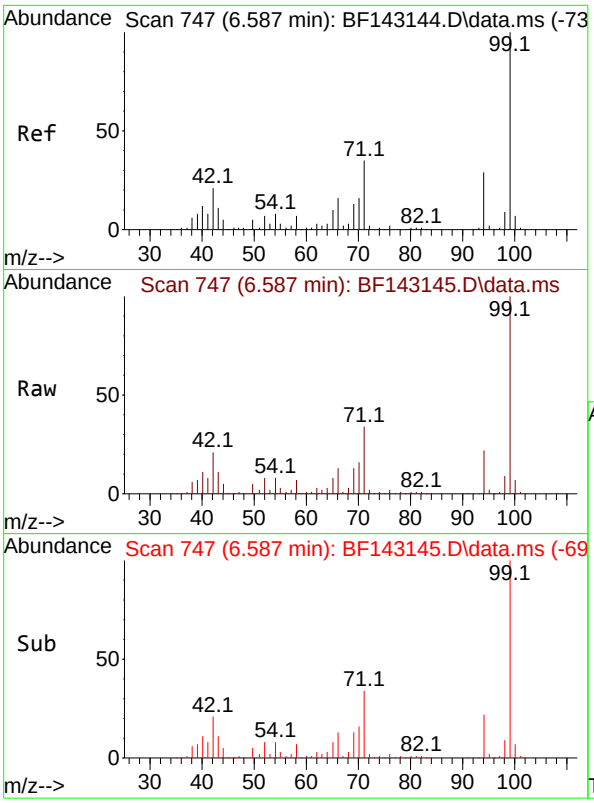


#6
Aniline
Concen: 51.687 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 827275

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.2	49.8
65	21.1	16.9	25.3



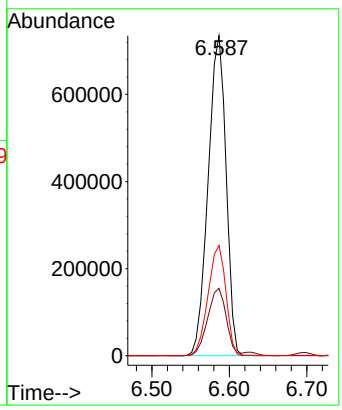


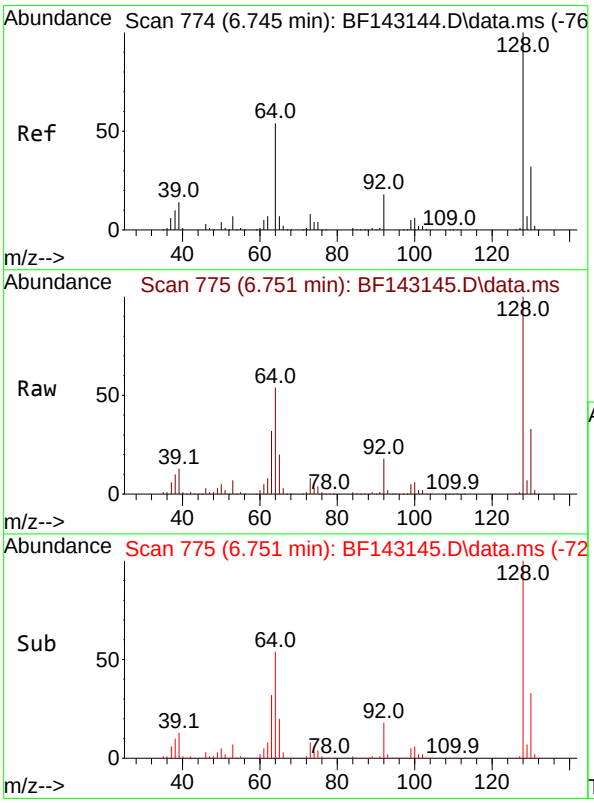
#7
Phenol-d6
Concen: 102.615 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1178468

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.4	27.7	41.5

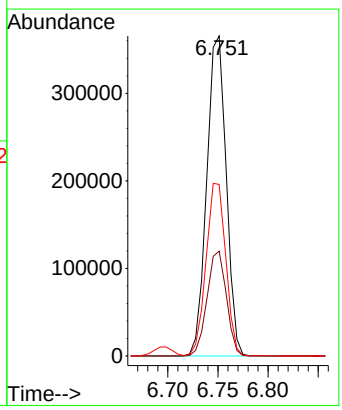


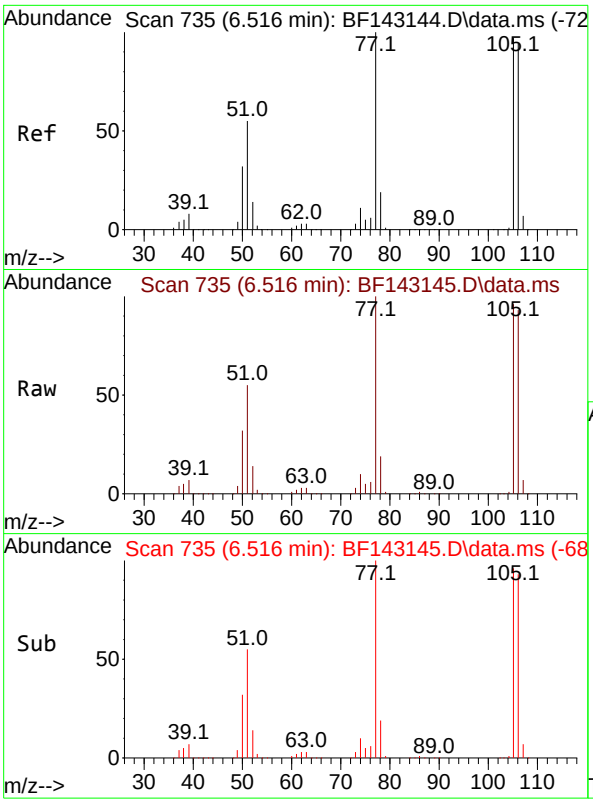


#8
2-Chlorophenol
Concen: 51.652 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:128 Resp: 493989

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	53.6	35.9	75.9



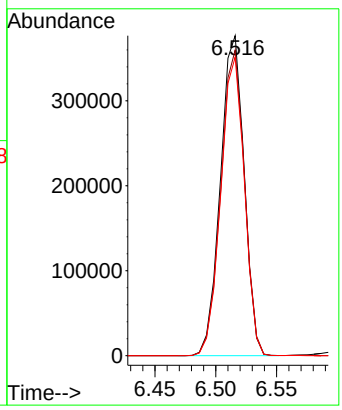


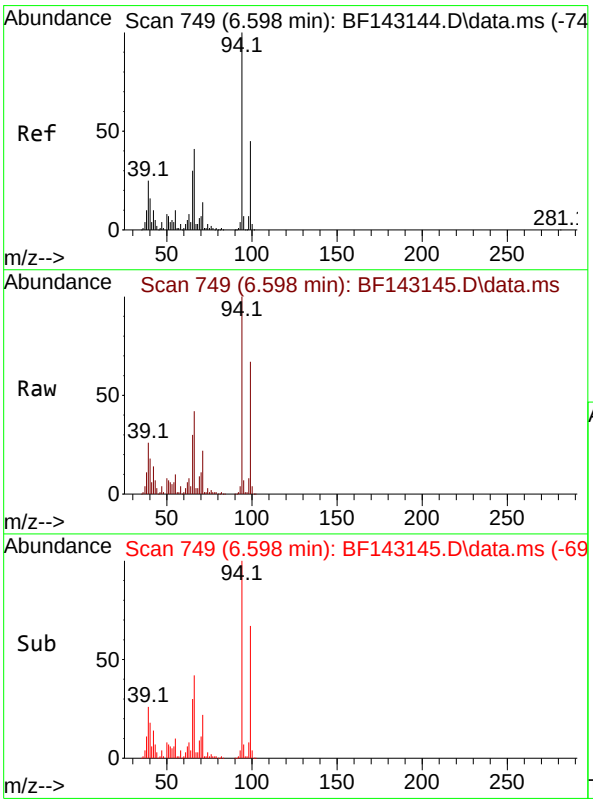
#9
Benzaldehyde
Concen: 59.162 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 509476

Ion	Ratio	Lower	Upper
77	100		
105	95.5	76.8	116.8
106	93.3	74.4	114.4

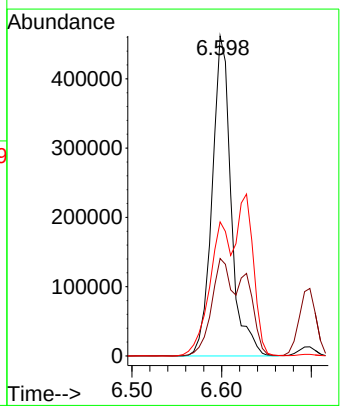


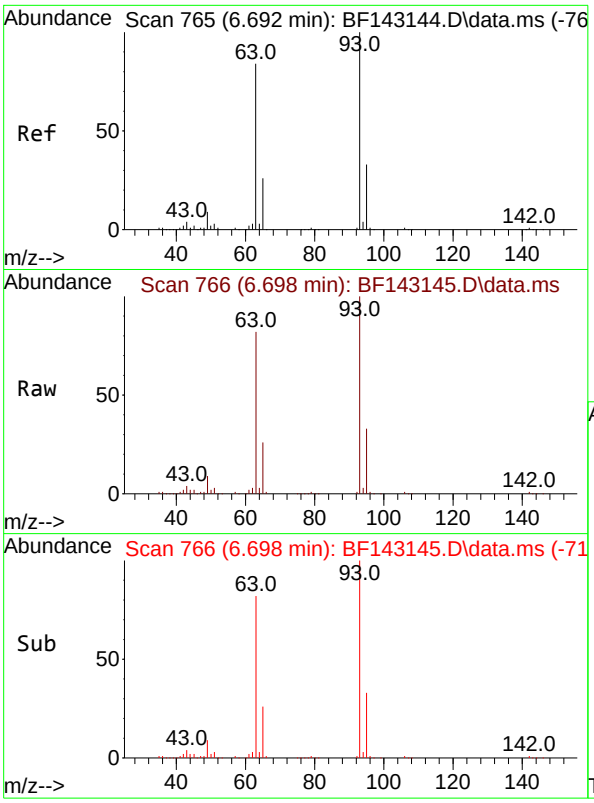


#10
Phenol
Concen: 54.222 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 94 Resp: 678372

Ion	Ratio	Lower	Upper
94	100		
65	30.5	10.0	50.0
66	41.9	20.8	60.8



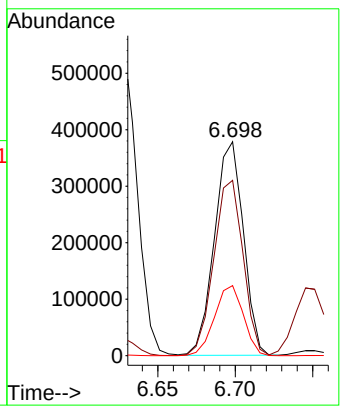


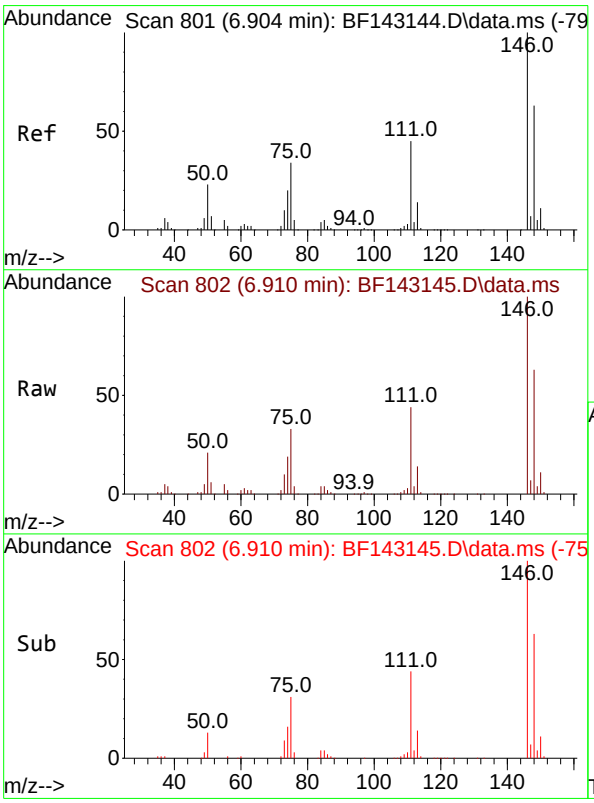
#11
bis(2-Chloroethyl)ether
Concen: 51.295 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 491371

Ion	Ratio	Lower	Upper
93	100		
63	82.0	63.4	103.4
95	32.8	12.4	52.4

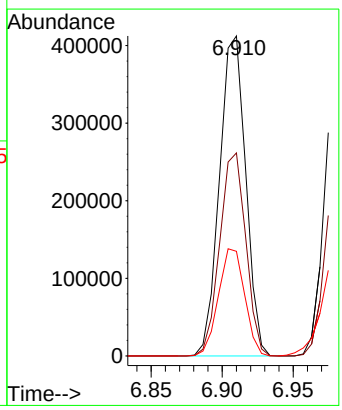


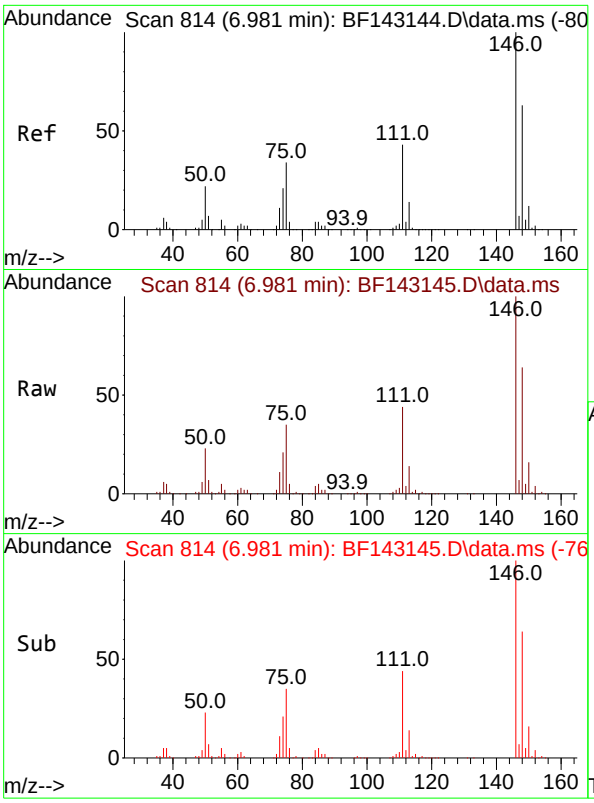


#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 529202

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
75	32.7	27.4	41.2



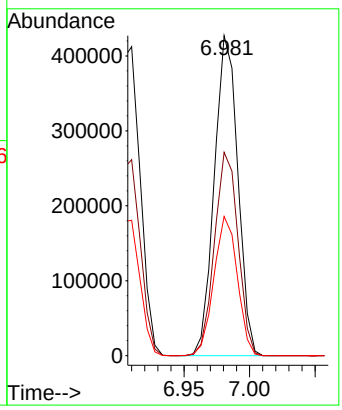


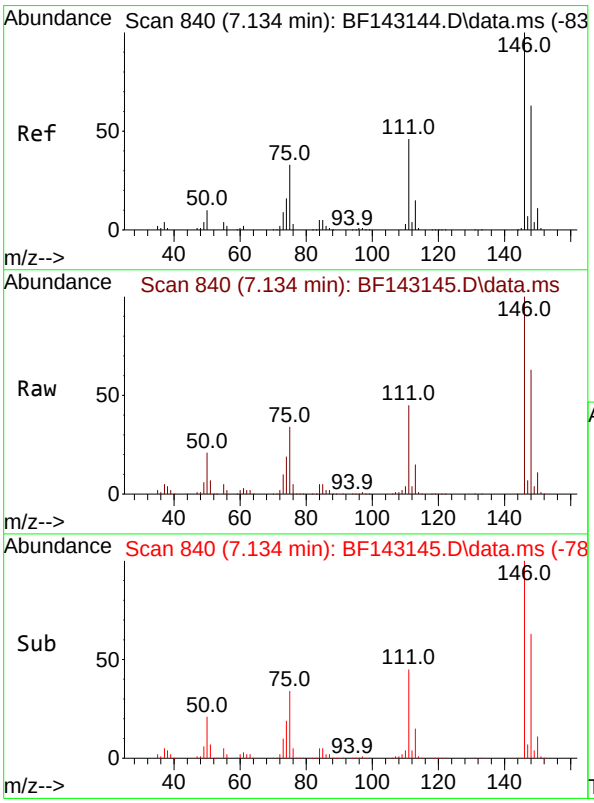
#13
1,4-Dichlorobenzene
Concen: 50.818 ng
RT: 6.981 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 531696

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.3	75.5
111	43.5	34.4	51.6

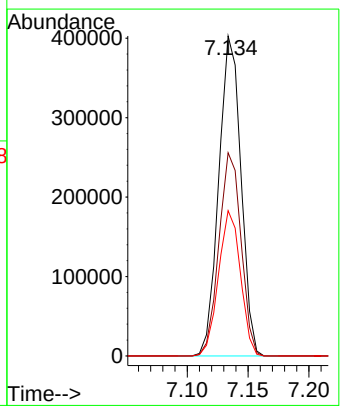


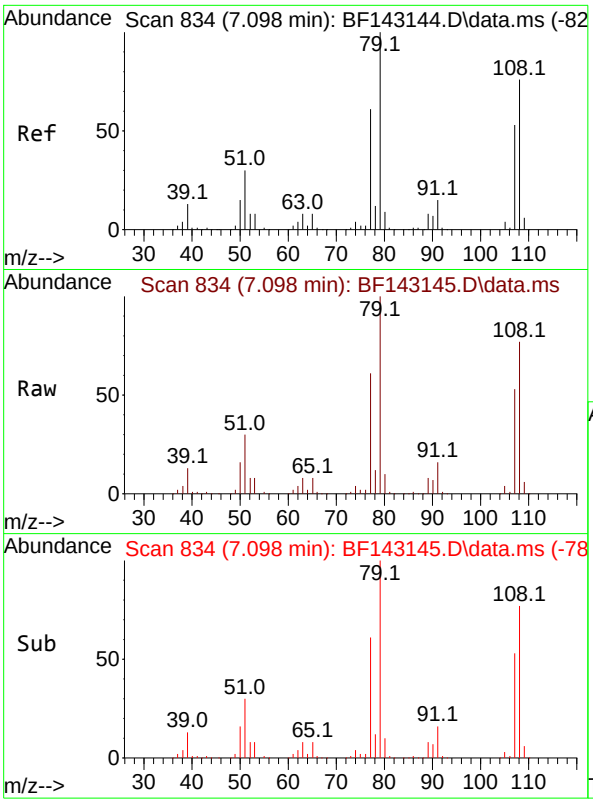


#14
1,2-Dichlorobenzene
Concen: 51.264 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:146 Resp: 510140

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.7	76.1
111	45.4	36.6	54.8



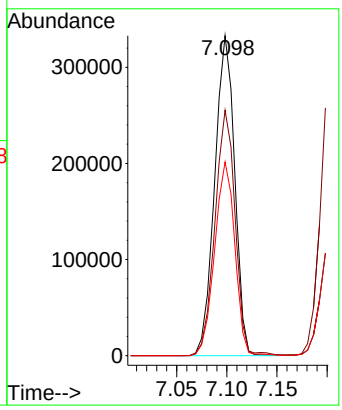


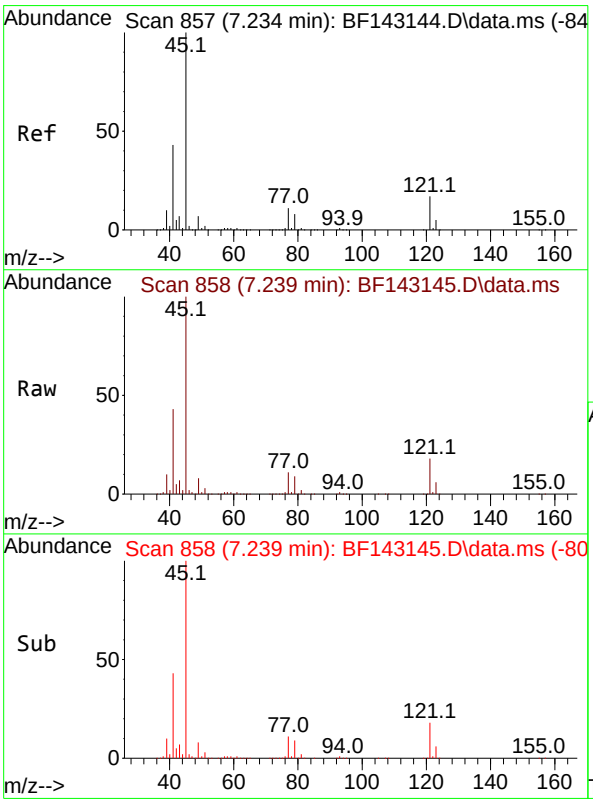
#15
Benzyl Alcohol
Concen: 52.616 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 461379

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.1	91.7
77	60.6	48.9	73.3

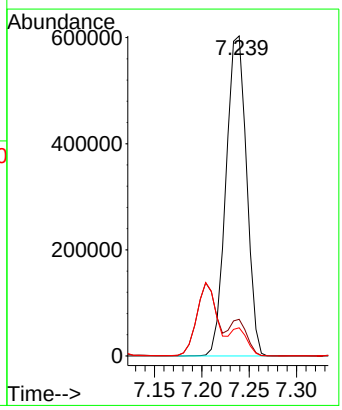


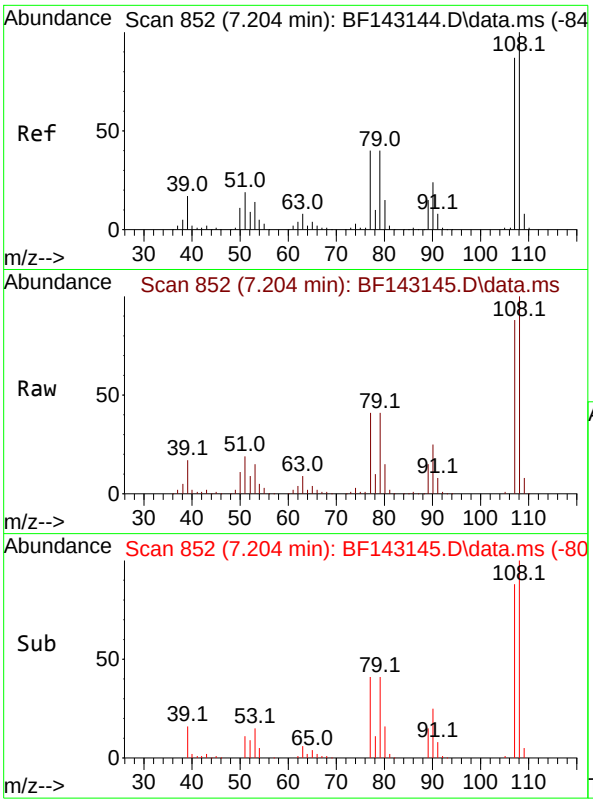


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.128 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 45 Resp: 908530

Ion	Ratio	Lower	Upper
45	100		
77	11.4	0.0	31.2
79	8.8	0.0	28.5



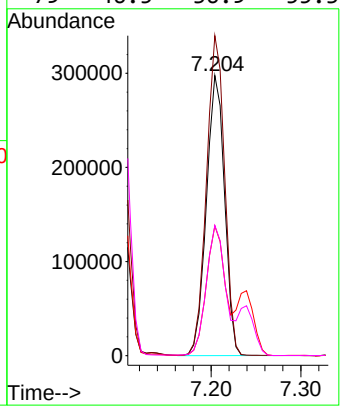


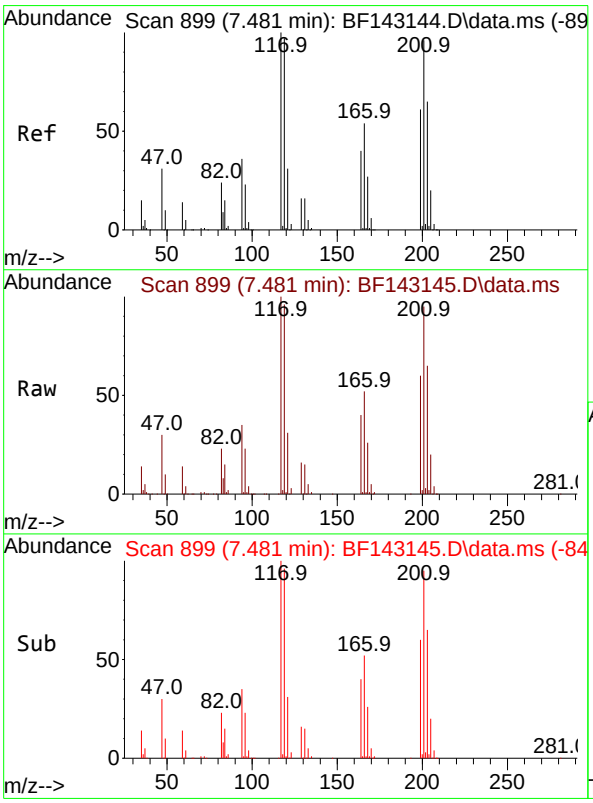
#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 418793

Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.8	137.6
77	46.3	37.0	55.6
79	46.5	36.9	55.3

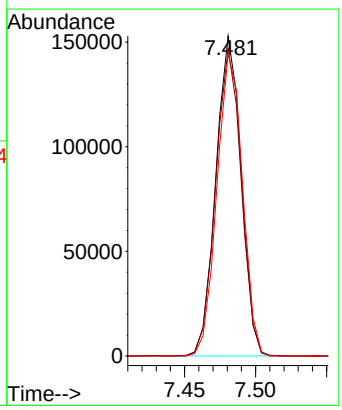


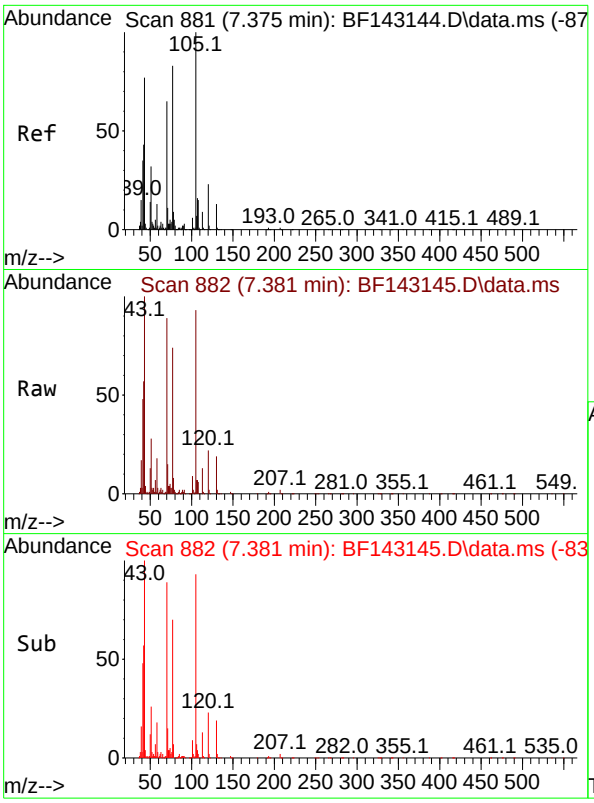


#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:117 Resp: 189394

Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.8	116.8
201	94.5	77.0	115.4



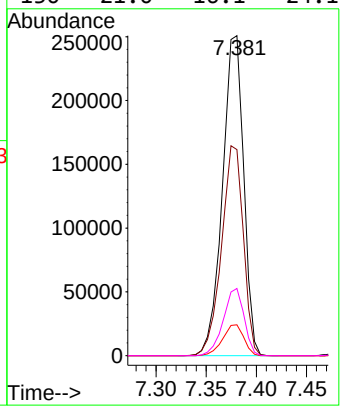


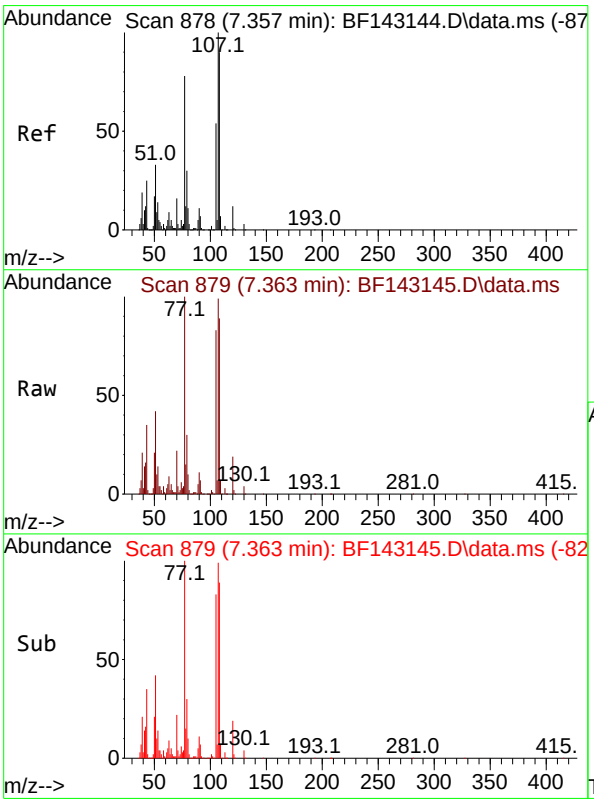
#19
n-Nitroso-di-n-propylamine
Concen: 50.131 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 369367

Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.7	7.6	11.4
130	21.0	16.1	24.1

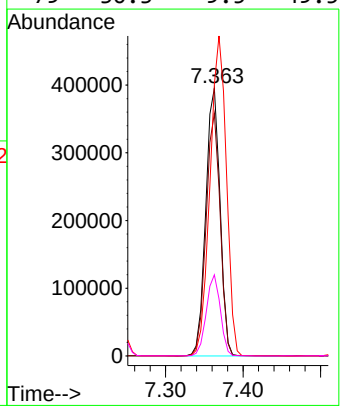


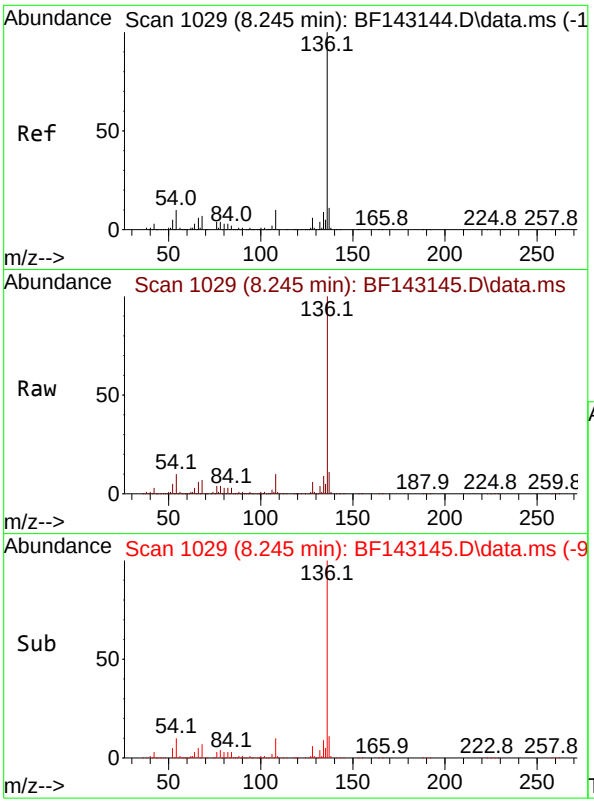


#20
3+4-Methylphenols
Concen: 51.870 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:107 Resp: 506069

Ion	Ratio	Lower	Upper
107	100		
108	90.7	70.0	110.0
77	101.5	57.8	97.8#
79	30.3	9.5	49.5



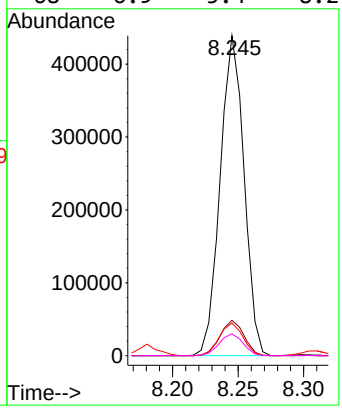


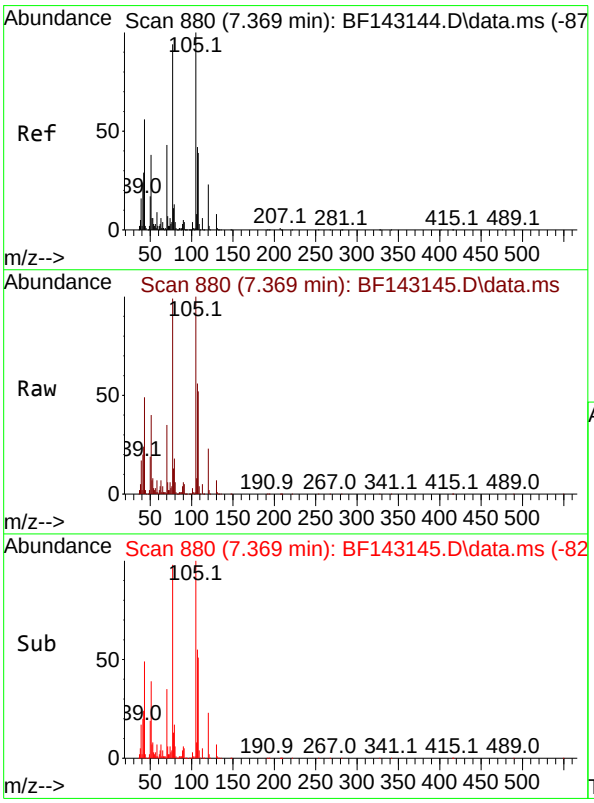
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 555536

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.2	12.2
68	6.9	5.4	8.2

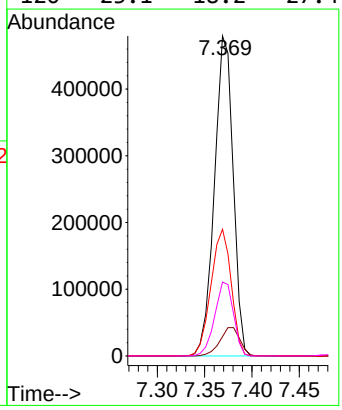


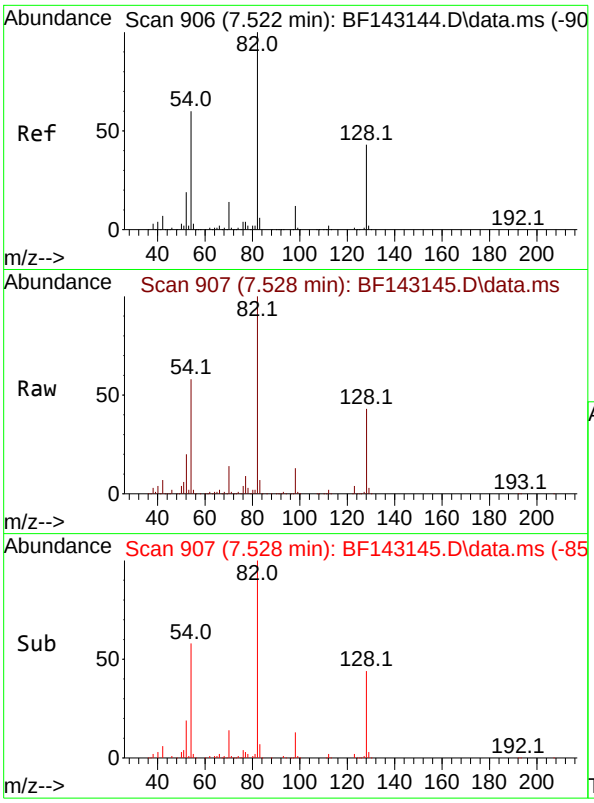


#22
Acetophenone
Concen: 50.258 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:105 Resp: 661017

Ion	Ratio	Lower	Upper
105	100		
71	6.0	5.8	8.6
51	39.6	30.2	45.2
120	23.1	18.2	27.4



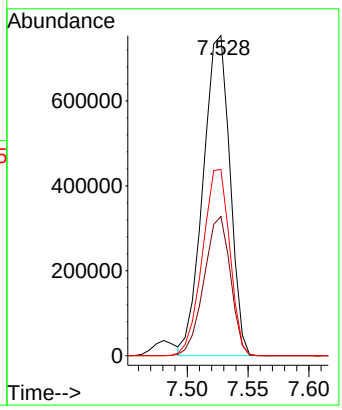


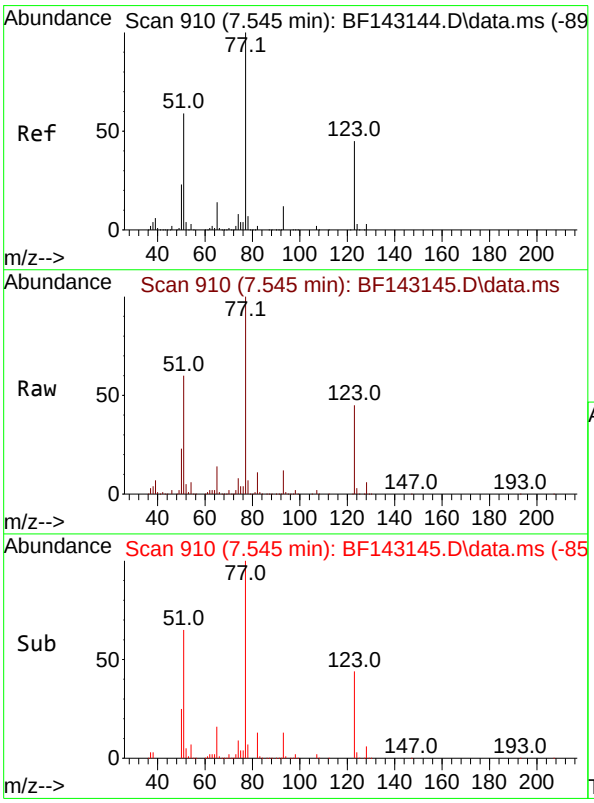
#23
Nitrobenzene-d5
Concen: 103.949 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1158494

Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.6	50.4
54	58.2	47.1	70.7

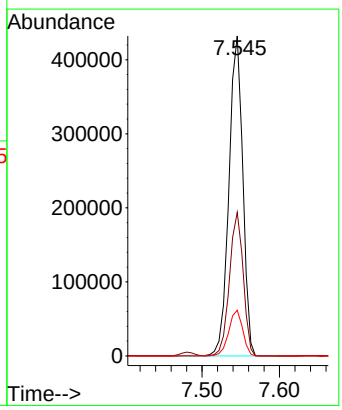


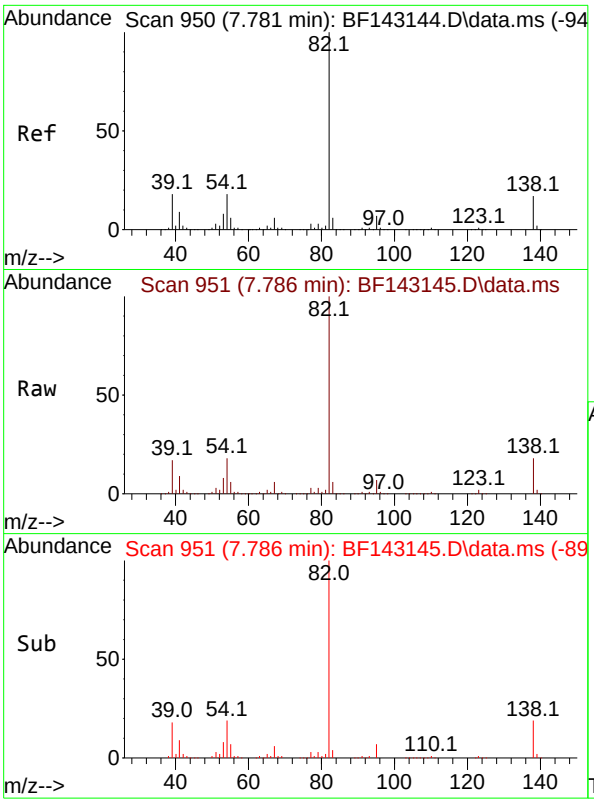


#24
Nitrobenzene
Concen: 51.843 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 77 Resp: 538666

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.1	54.1
65	14.3	11.4	17.2



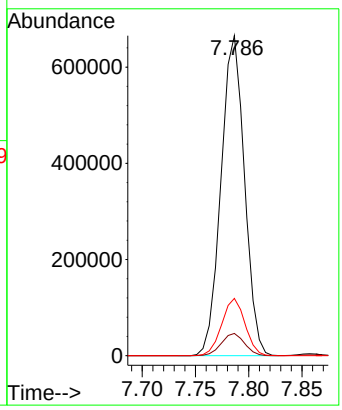


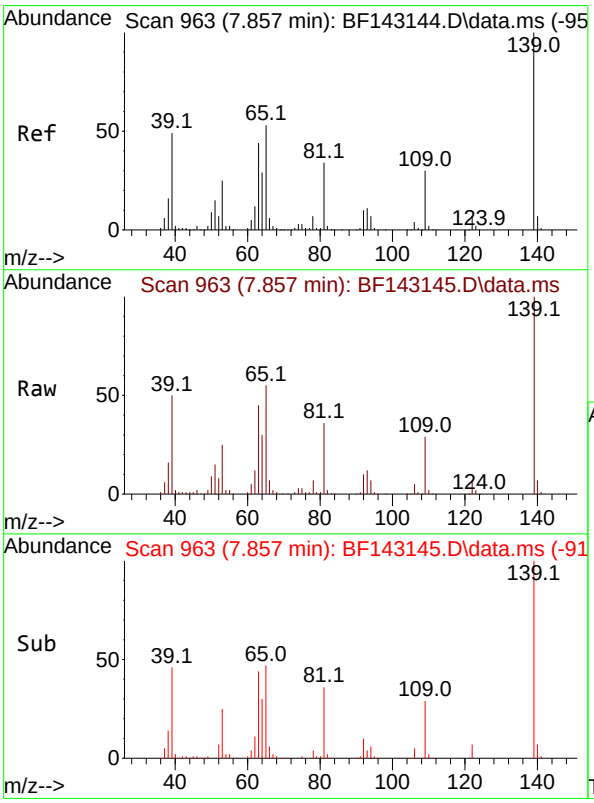
#25
Isophorone
Concen: 51.783 ng
RT: 7.786 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1018783

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	17.9	13.8	20.8

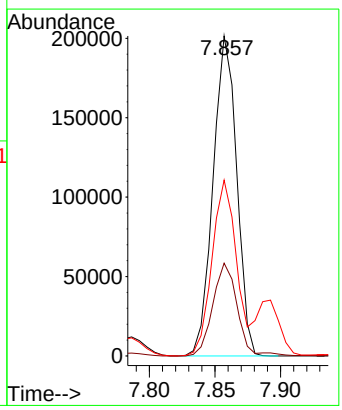


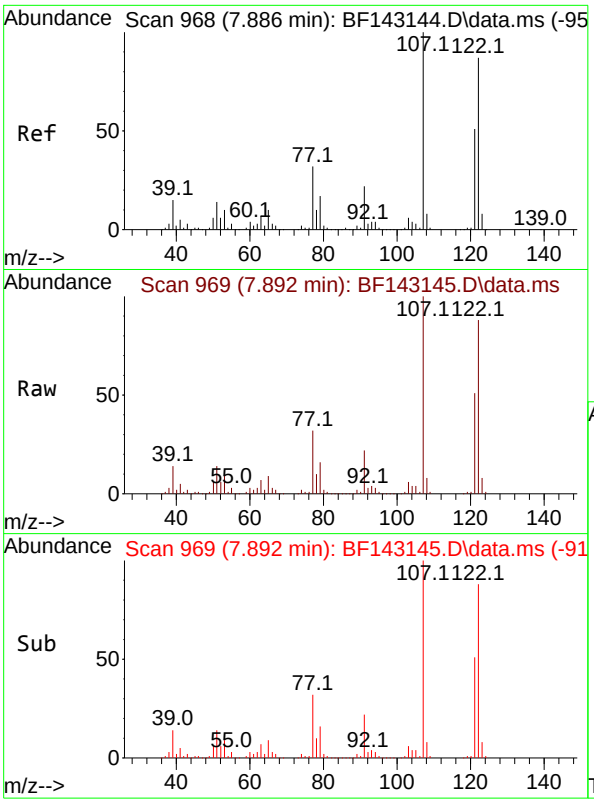


#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 252169

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	55.0	42.6	64.0



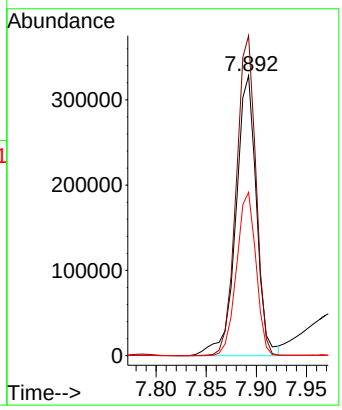


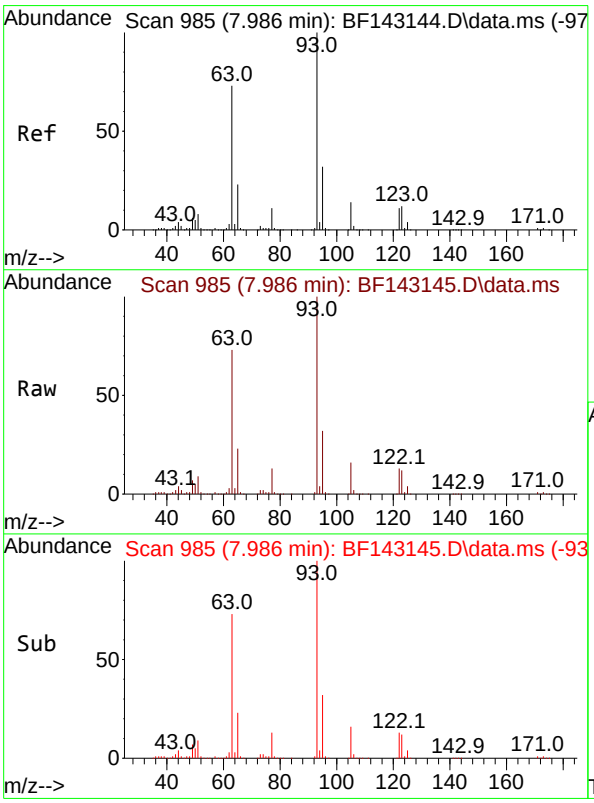
#27
2,4-Dimethylphenol
Concen: 51.112 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 469819

Ion	Ratio	Lower	Upper
122	100		
107	114.3	91.8	137.6
121	58.4	46.3	69.5

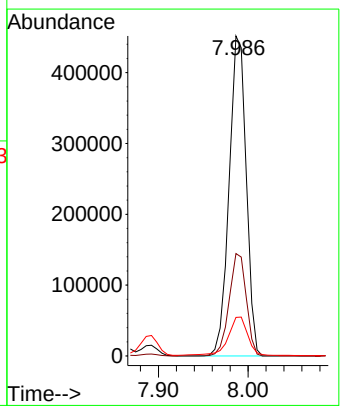


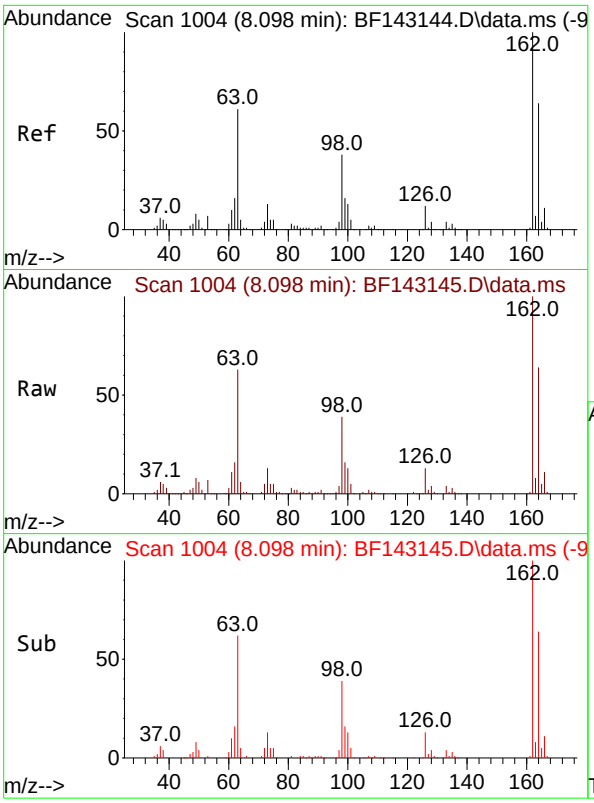


#28
bis(2-Chloroethoxy)methane
Concen: 50.631 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 93 Resp: 597241

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.6
123	12.1	9.7	14.5



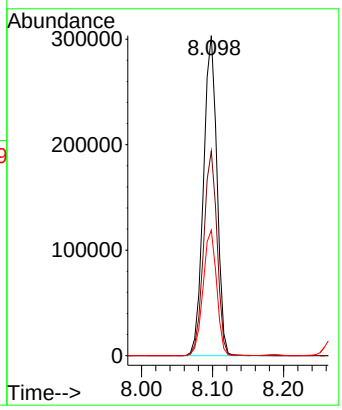


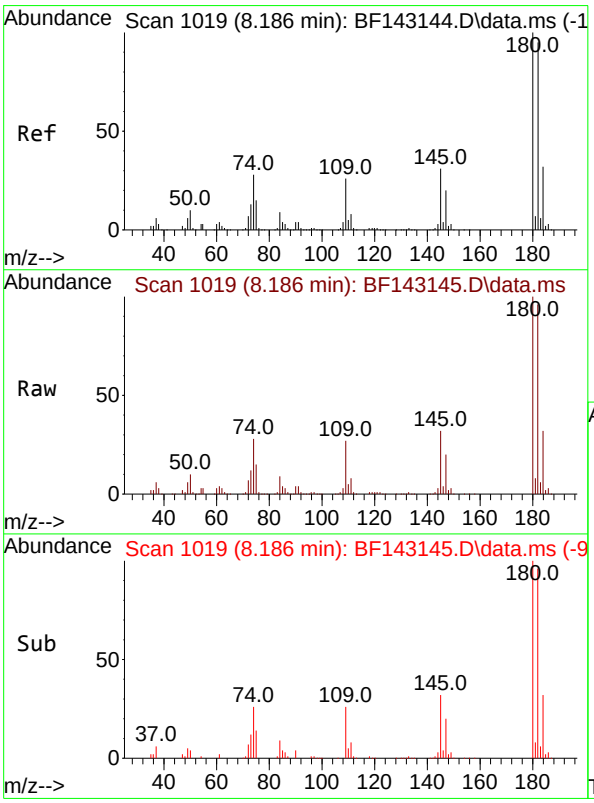
#29
2,4-Dichlorophenol
Concen: 51.773 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 401336

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.2	84.2
98	39.2	17.9	57.9

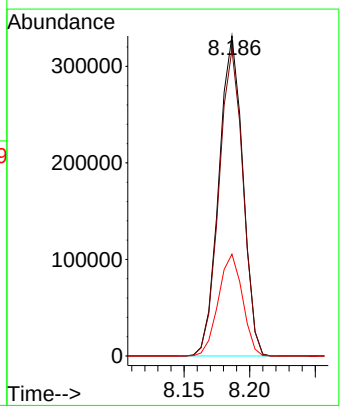


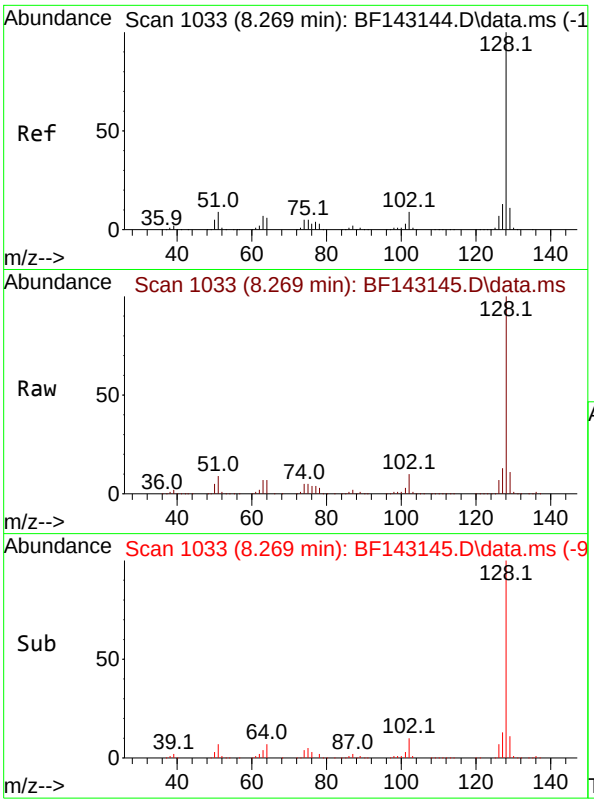


#30
1,2,4-Trichlorobenzene
Concen: 50.242 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:180 Resp: 420763

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.2	114.2
145	31.8	25.0	37.6



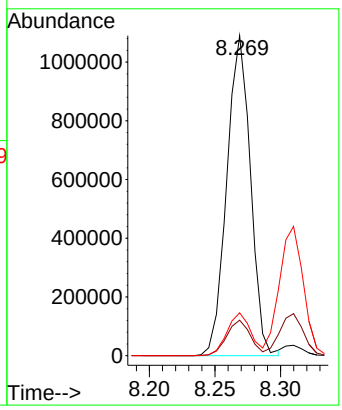


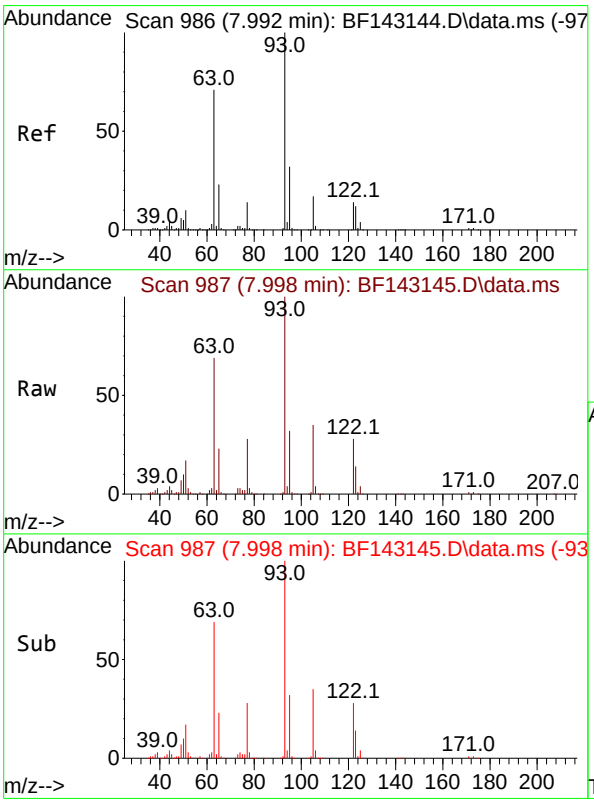
#31
Naphthalene
Concen: 50.060 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1369627

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.4	10.6	16.0

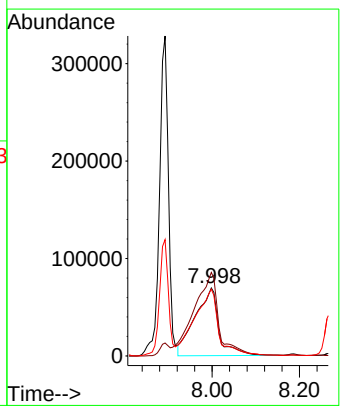


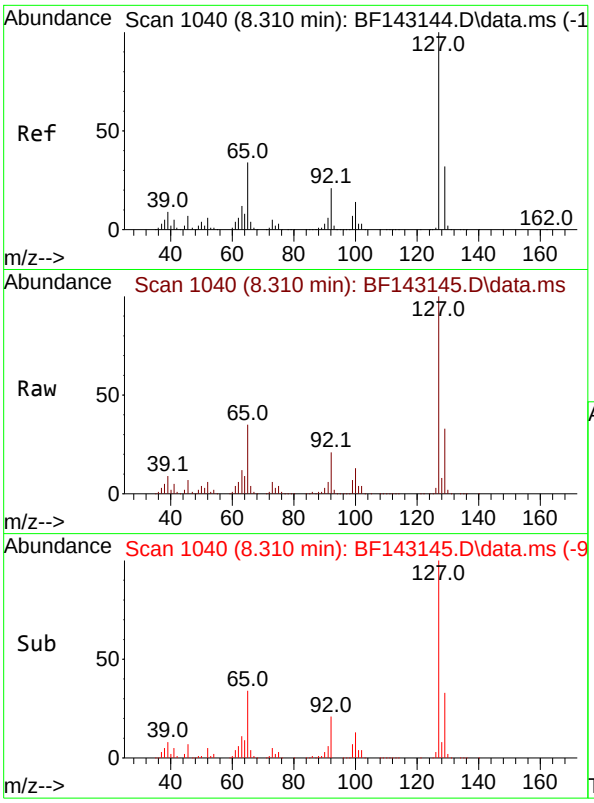


#32
Benzoic acid
Concen: 50.647 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:122 Resp: 263494

Ion	Ratio	Lower	Upper
122	100		
105	123.0	104.8	144.8
77	98.4	77.6	117.6



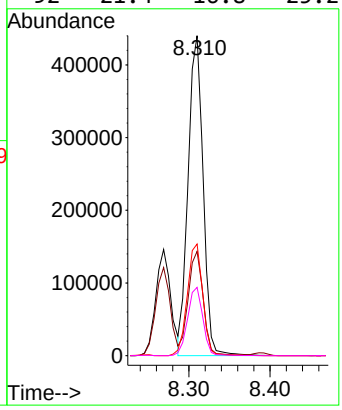


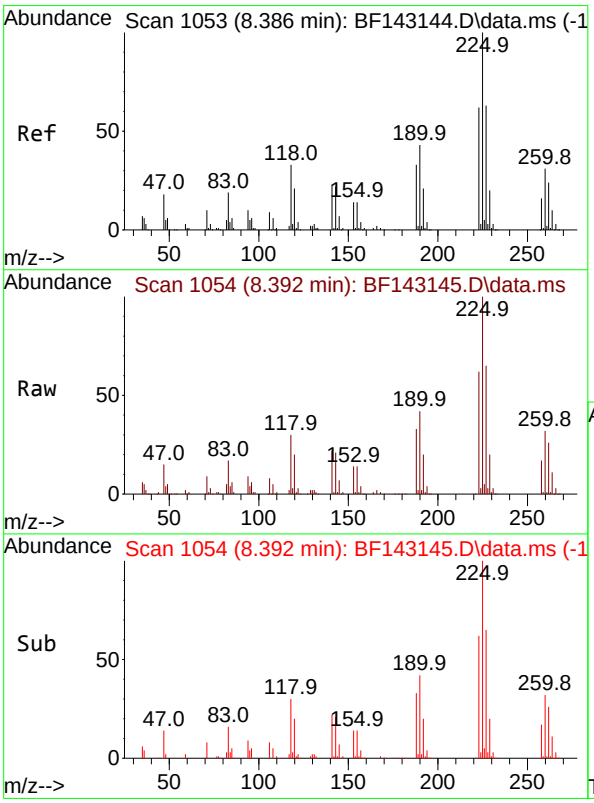
#33
4-Chloroaniline
Concen: 50.703 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 566422

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	34.9	27.4	41.2
92	21.4	16.8	25.2

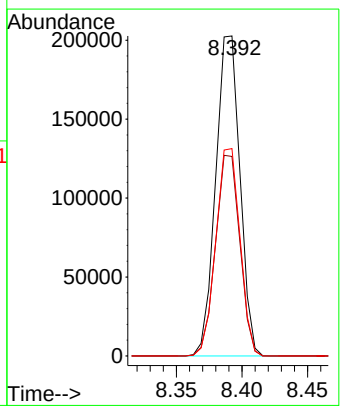


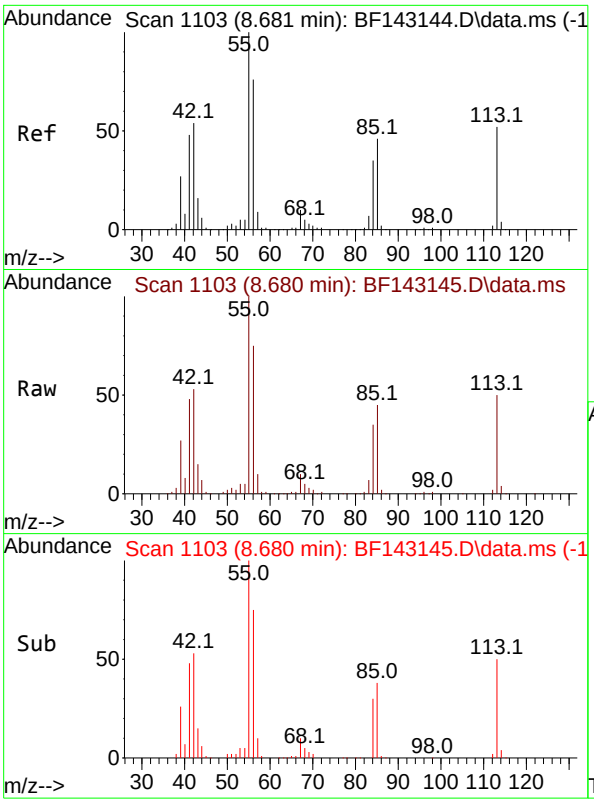


#34
Hexachlorobutadiene
Concen: 50.976 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:225 Resp: 260787

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	64.8	50.2	75.4



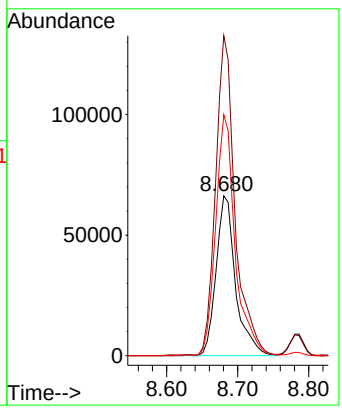


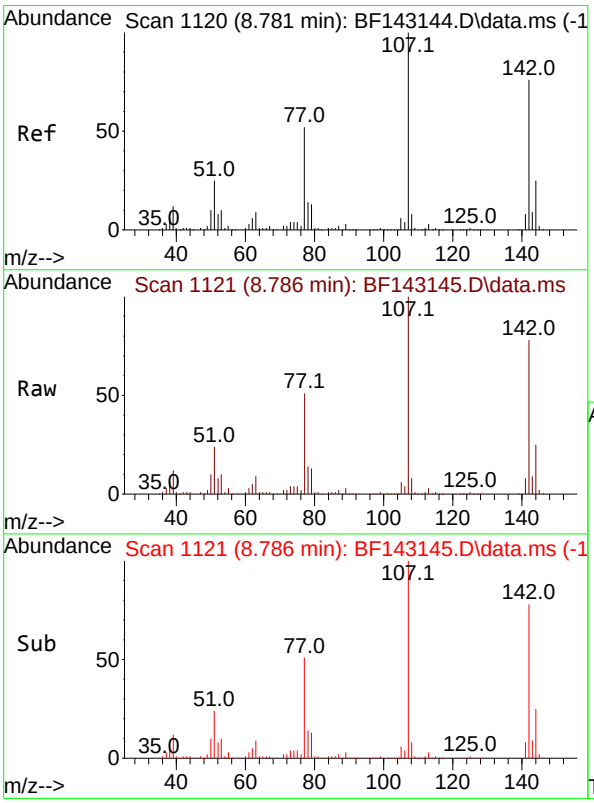
#35
Caprolactam
Concen: 53.811 ng
RT: 8.680 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 126050

Ion	Ratio	Lower	Upper
113	100		
55	200.3	174.0	214.0
56	150.8	126.6	166.6

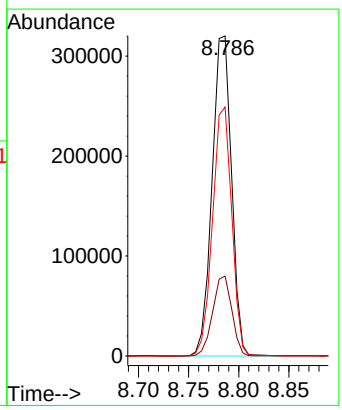


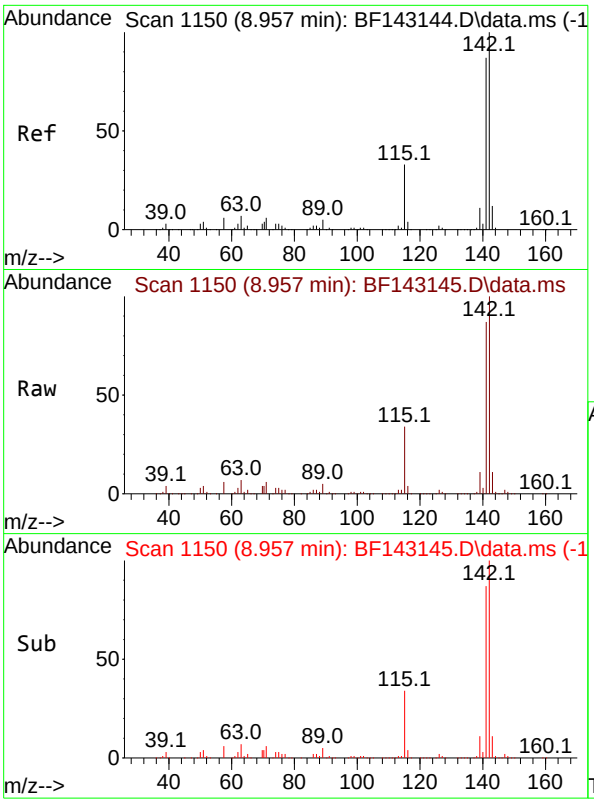


#36
4-Chloro-3-methylphenol
Concen: 51.242 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:107 Resp: 431745

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.8	29.6
142	77.8	60.6	90.8



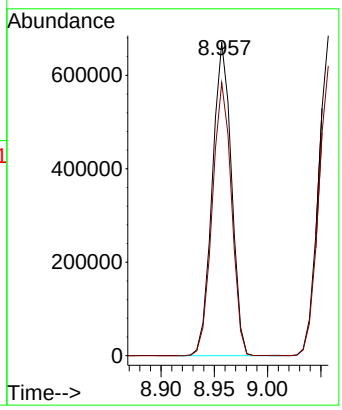


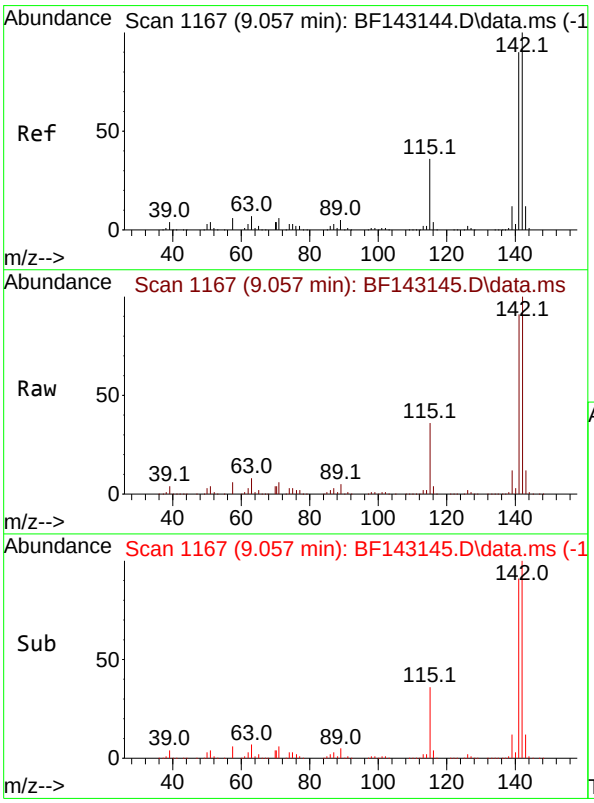
#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 837820

Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.9	104.9

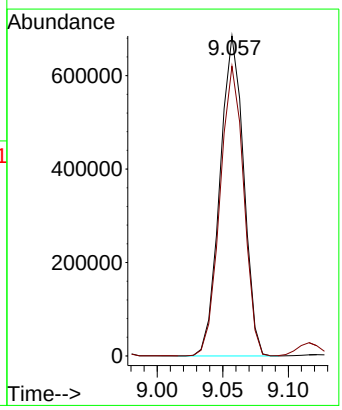


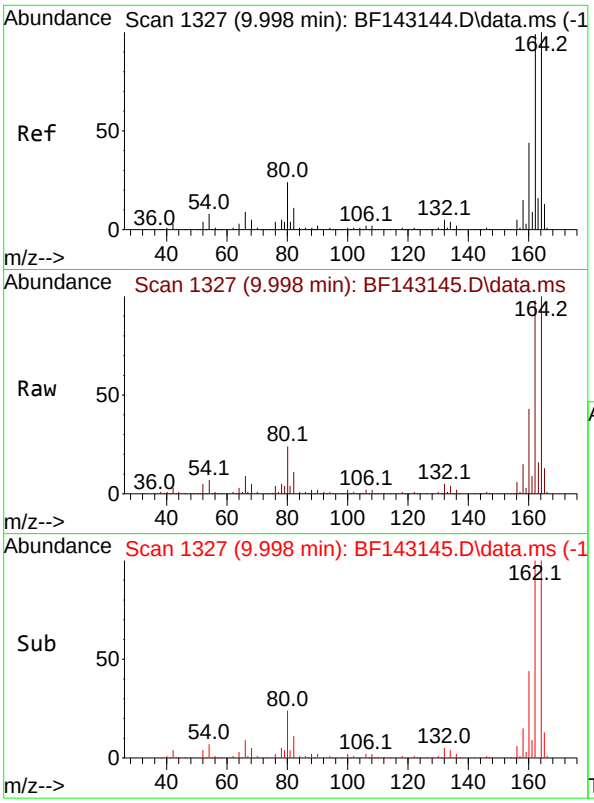


#38
1-Methylnaphthalene
Concen: 50.298 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:142 Resp: 862300

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.3	108.5



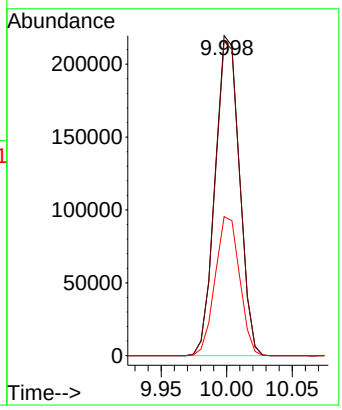


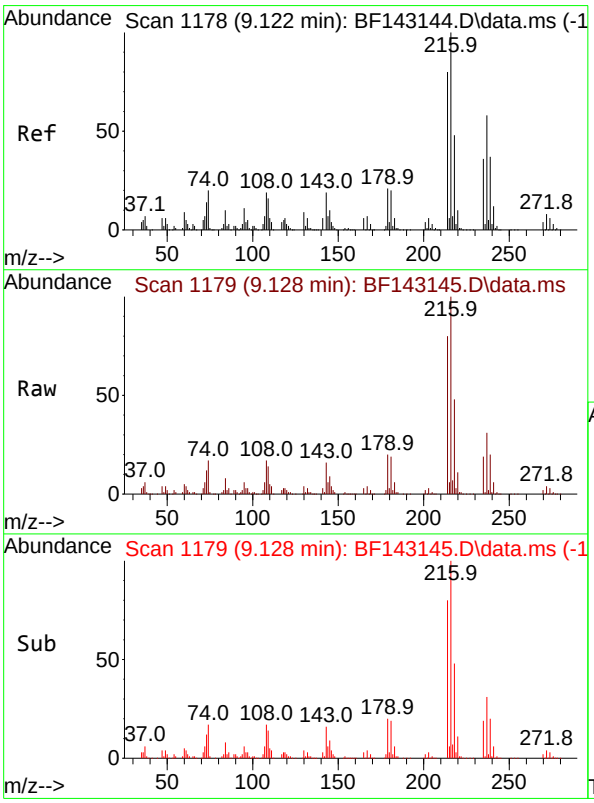
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 283657

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	43.5	35.1	52.7

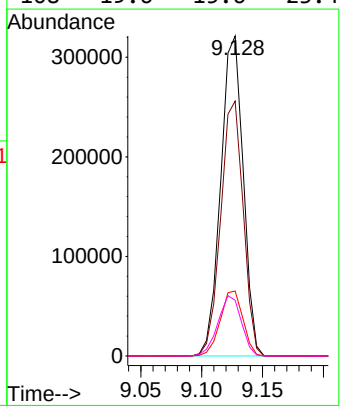


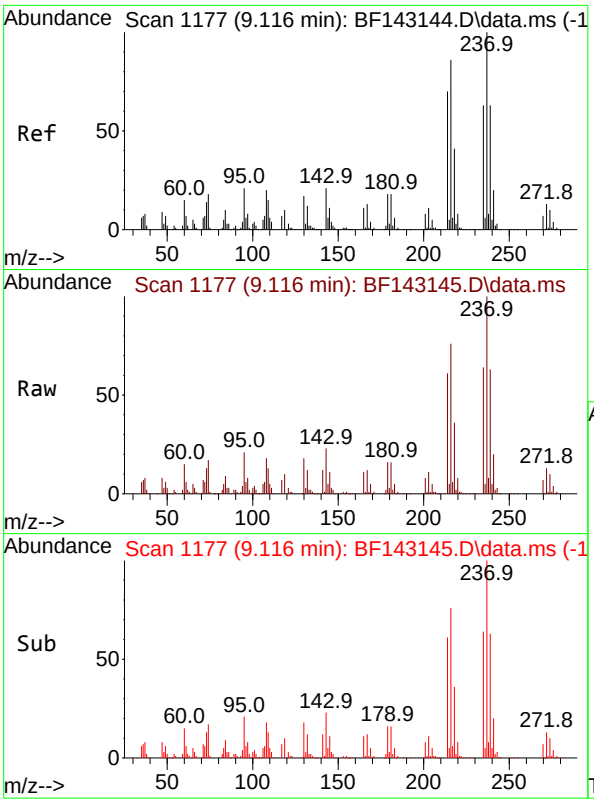


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.420 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:216 Resp: 412916

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.8
179	20.5	16.4	24.6
108	19.6	15.6	23.4



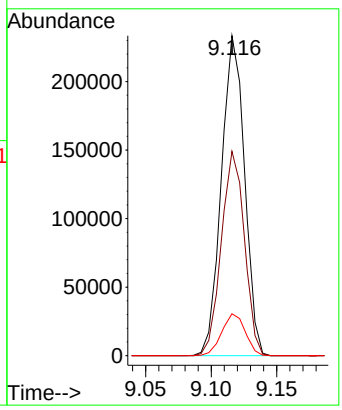


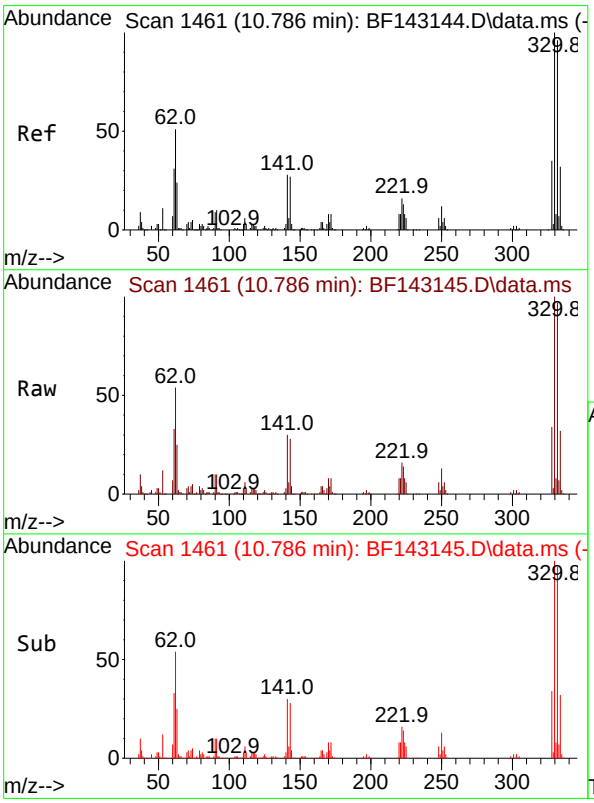
#41
Hexachlorocyclopentadiene
Concen: 53.823 ng
RT: 9.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 286805

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.0	83.0
272	13.1	0.0	33.3

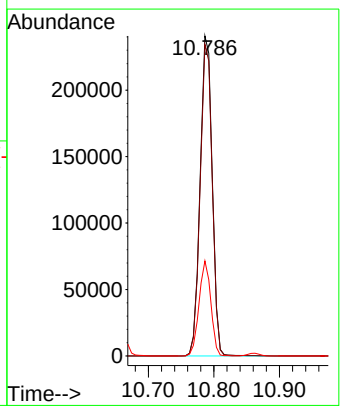


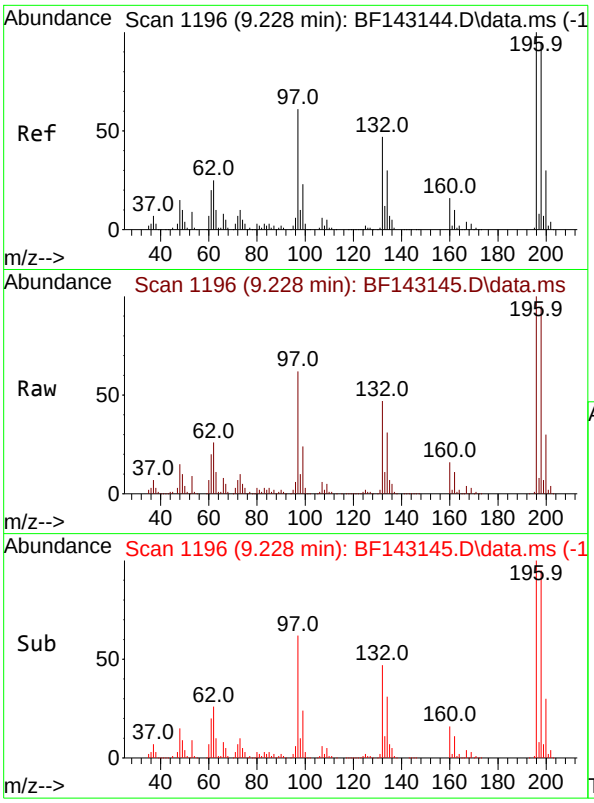


#42
2,4,6-Tribromophenol
Concen: 105.607 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:330 Resp: 309465

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.7	115.1
141	29.0	23.3	34.9



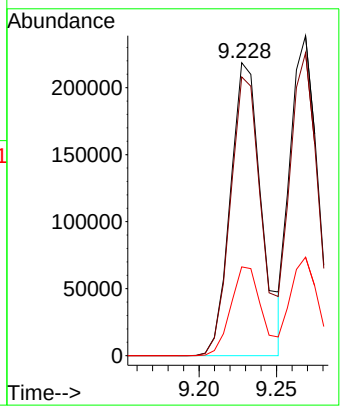


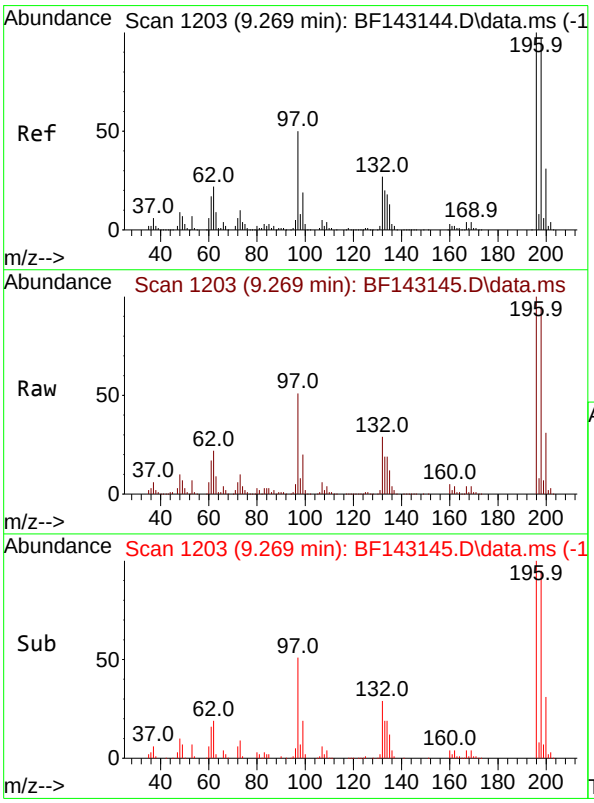
#43
2,4,6-Trichlorophenol
Concen: 53.718 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 304466

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.3	23.9	35.9

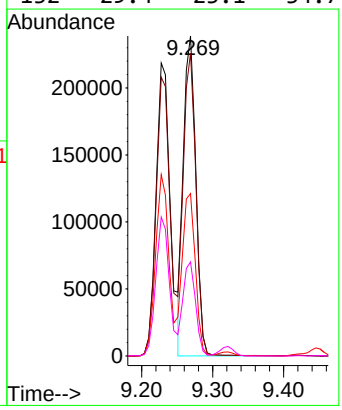


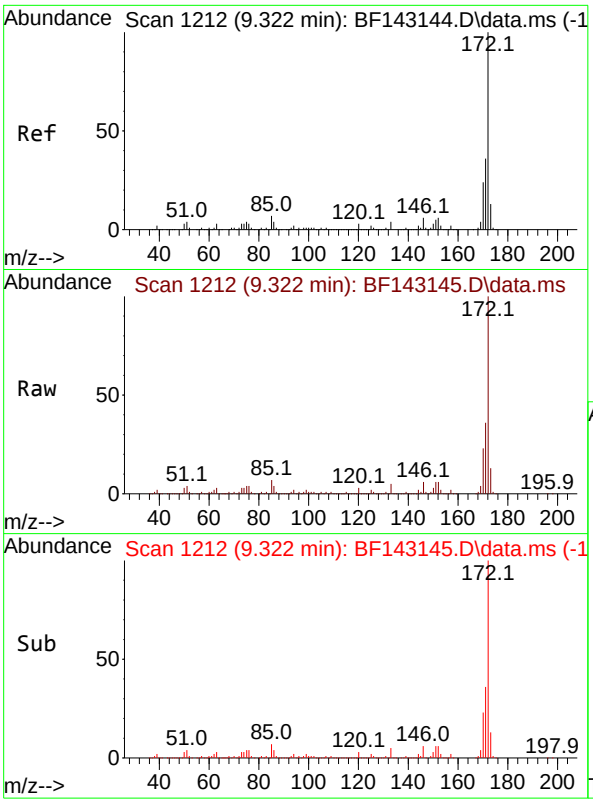


#44
2,4,5-Trichlorophenol
Concen: 51.434 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:196 Resp: 291607

Ion	Ratio	Lower	Upper
196	100		
198	94.7	77.3	115.9
97	50.8	40.3	60.5
132	29.4	23.1	34.7



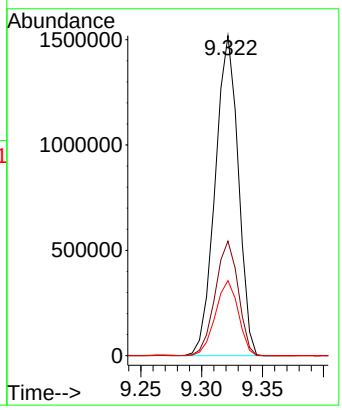


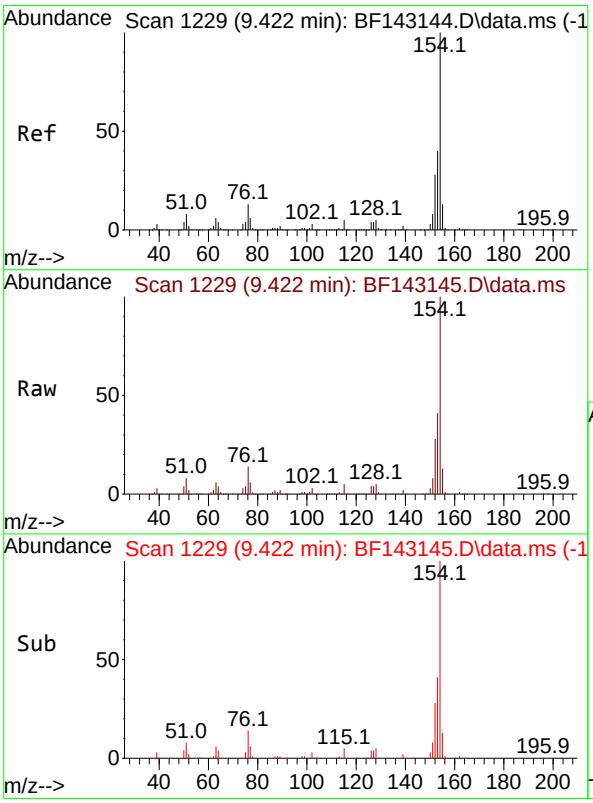
#45
2-Fluorobiphenyl
Concen: 96.712 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 2005894

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.5	18.8	28.2

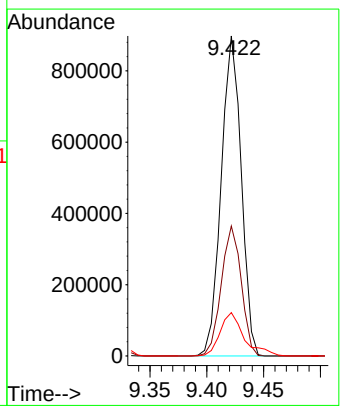


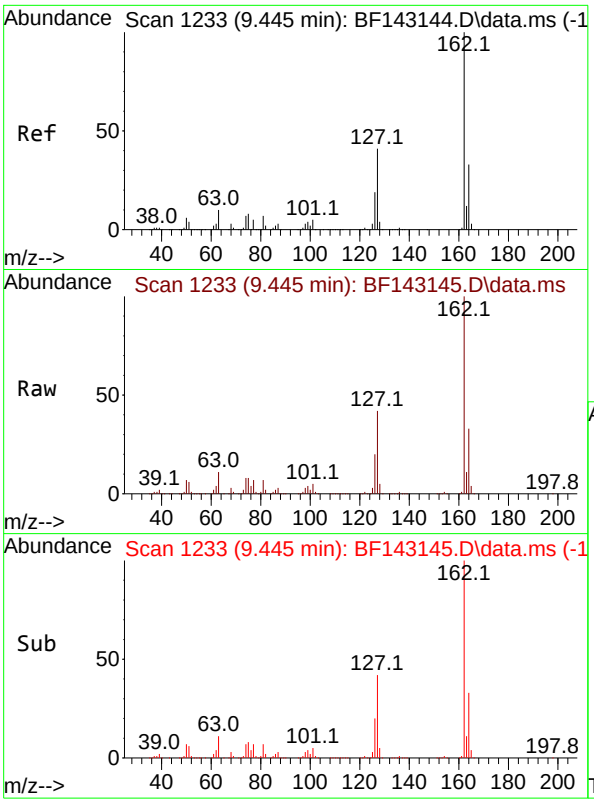


#46
1,1'-Biphenyl
Concen: 49.764 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:154 Resp: 1101317

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.3	60.3
76	13.5	0.0	33.3



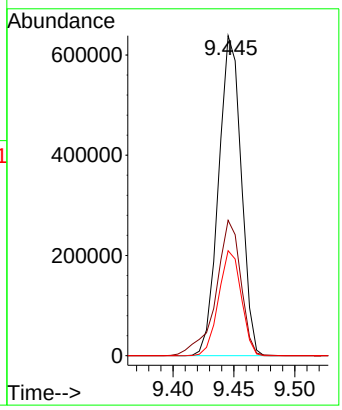


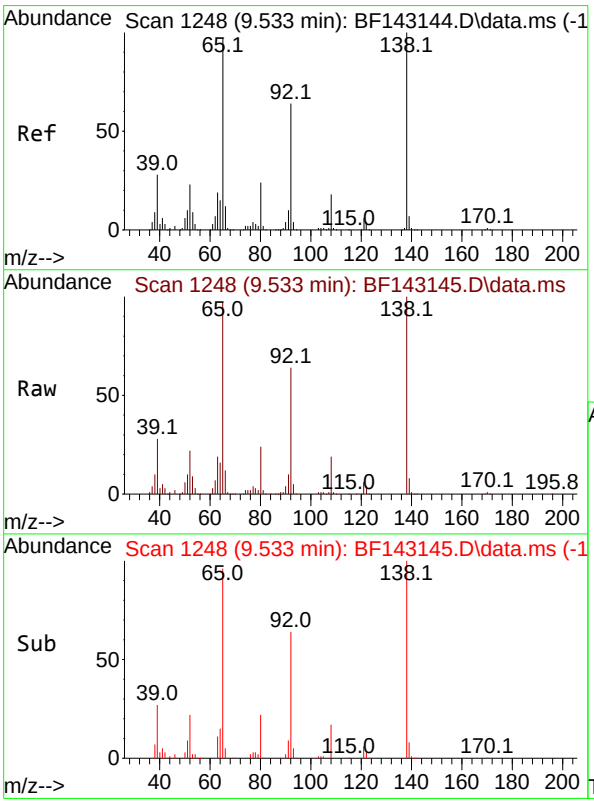
#47
2-Chloronaphthalene
Concen: 50.488 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 826749

Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.4	50.2
164	32.8	26.2	39.2

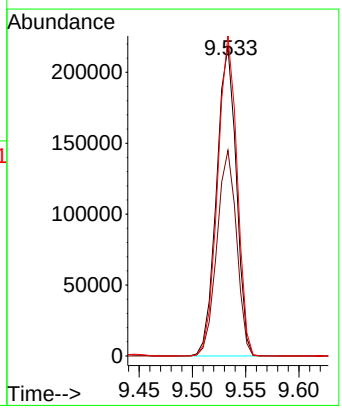


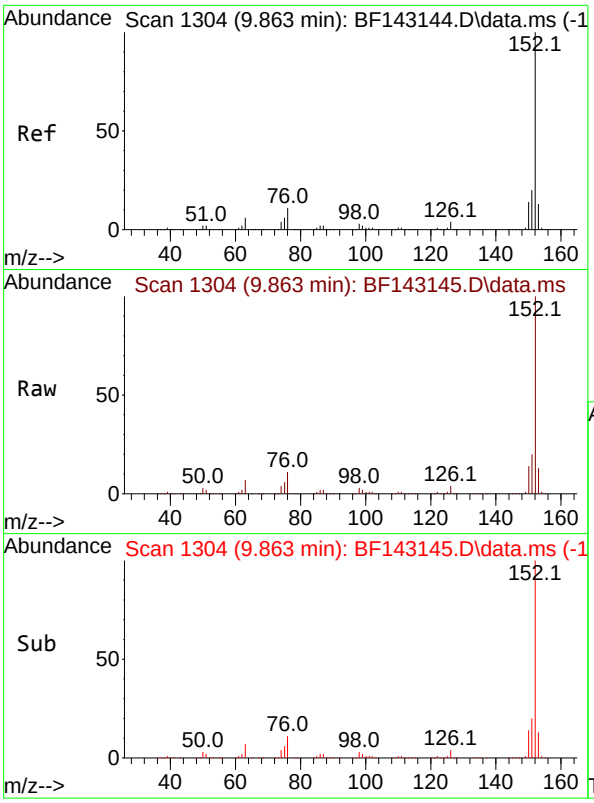


#48
2-Nitroaniline
Concen: 54.736 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 65 Resp: 281082

Ion	Ratio	Lower	Upper
65	100		
92	66.5	52.4	78.6
138	103.5	82.3	123.5



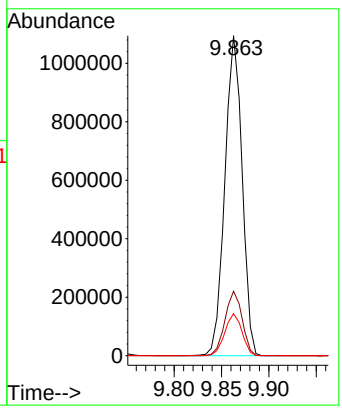


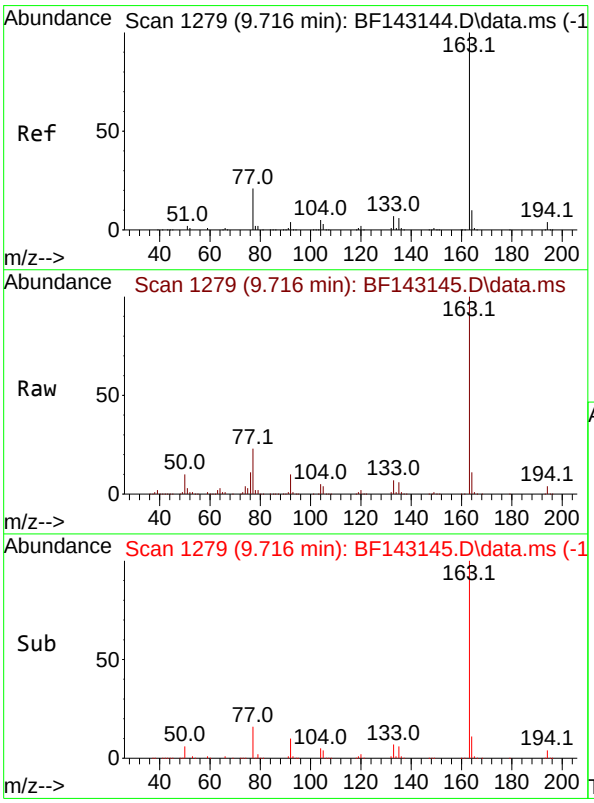
#49
Acenaphthylene
Concen: 50.605 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1388721

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	16.0

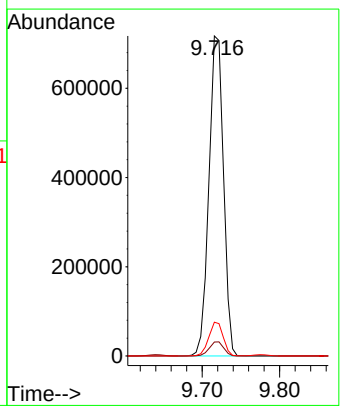


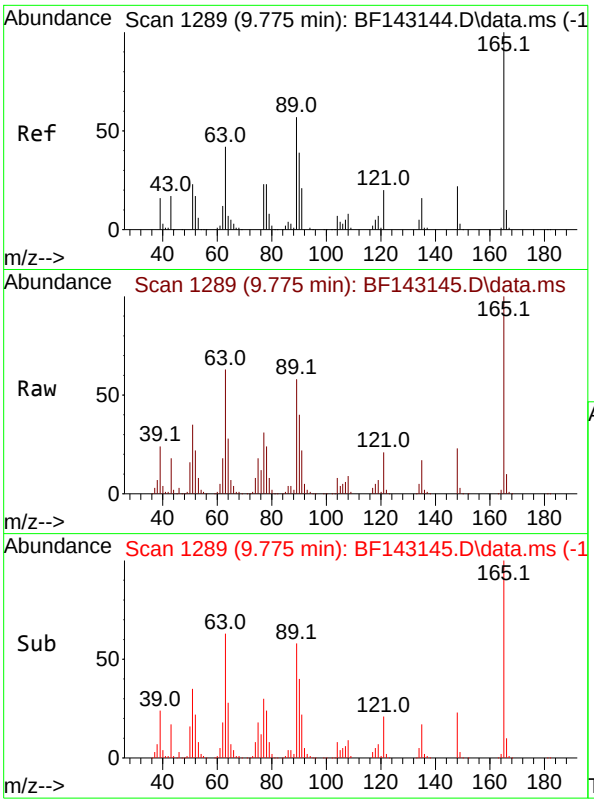


#50
Dimethylphthalate
Concen: 50.832 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:163 Resp: 939863

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.5	8.3	12.5



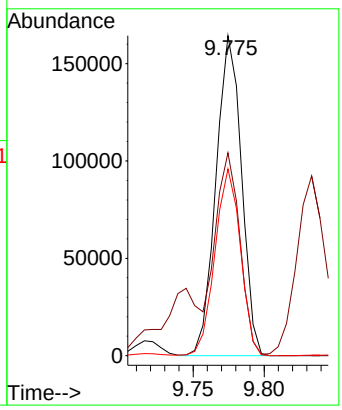


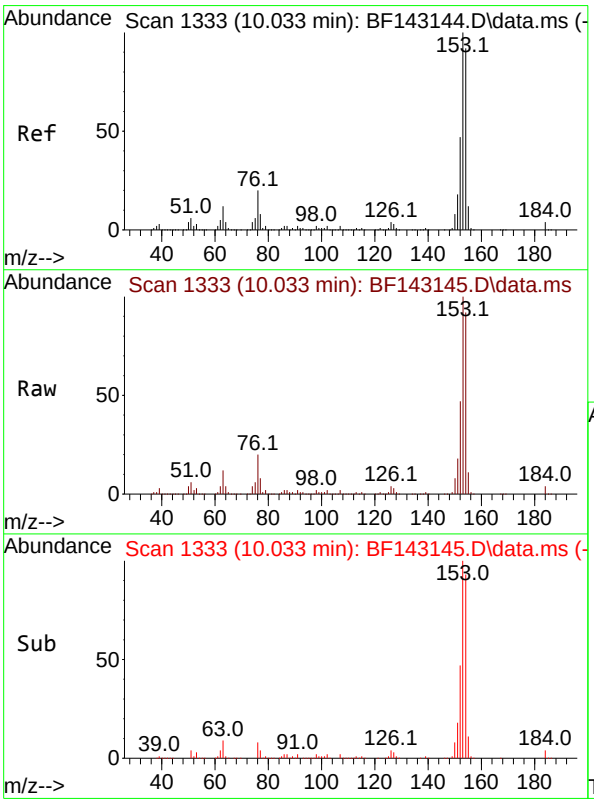
#51
2,6-Dinitrotoluene
Concen: 54.541 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 205147

Ion	Ratio	Lower	Upper
165	100		
63	63.4	49.4	74.2
89	58.4	46.2	69.2

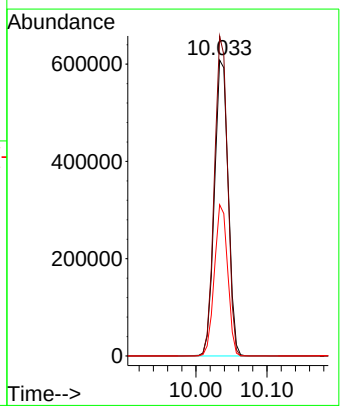


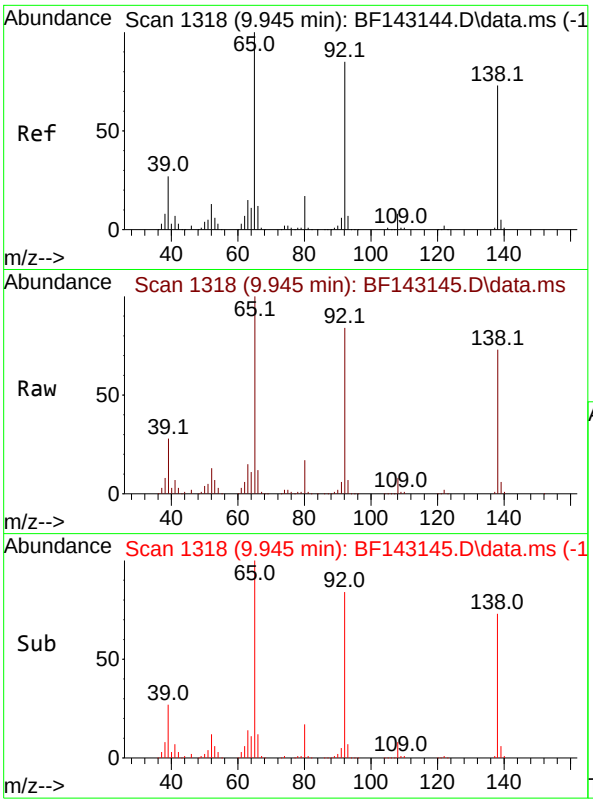


#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:154 Resp: 818783

Ion	Ratio	Lower	Upper
154	100		
153	108.2	86.6	129.8
152	51.1	40.4	60.6



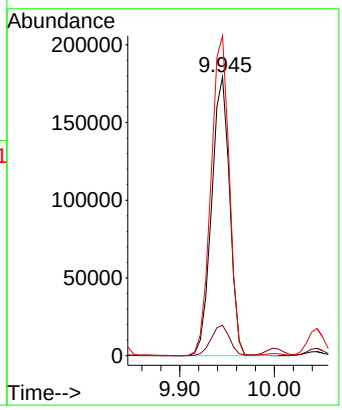


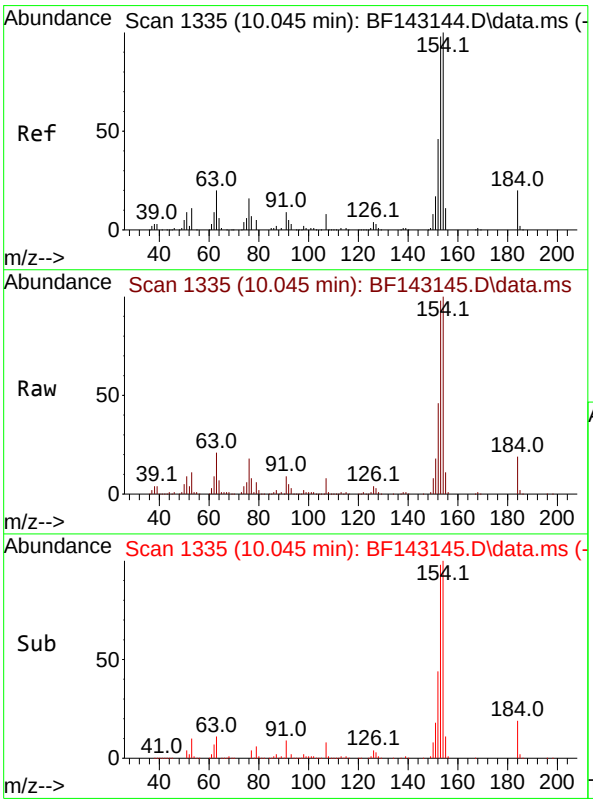
#53
3-Nitroaniline
Concen: 53.861 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 236959

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.6
92	114.8	93.0	139.4

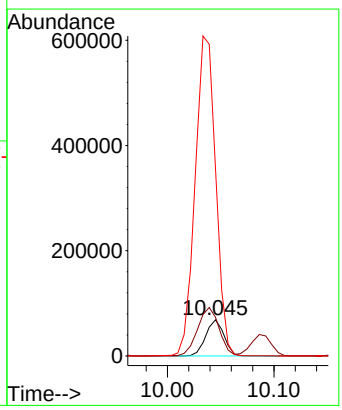


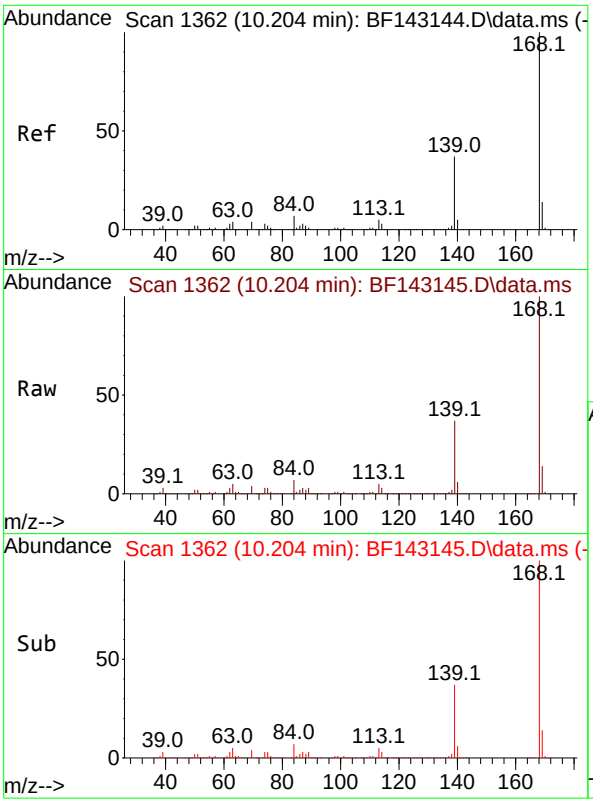


#54
2,4-Dinitrophenol
Concen: 50.750 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:184 Resp: 81983

Ion	Ratio	Lower	Upper
184	100		
63	106.9	81.8	122.6
154	519.2	412.2	618.4



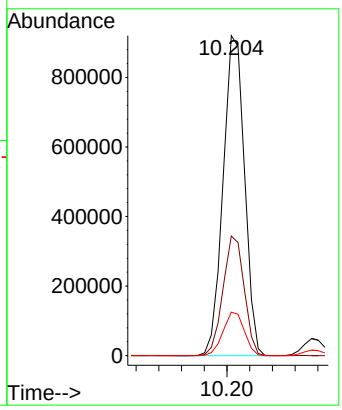


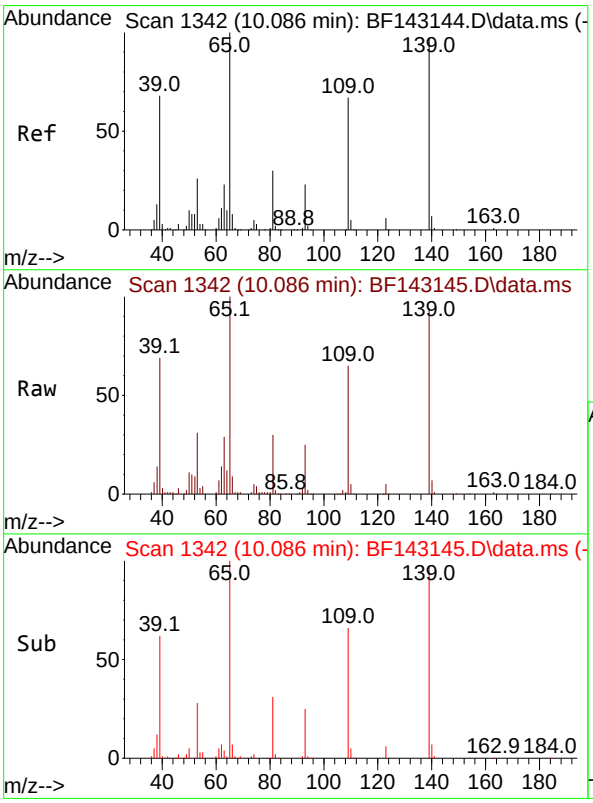
#55
Dibenzofuran
Concen: 50.001 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1204088

Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.5	44.3
169	13.6	10.9	16.3

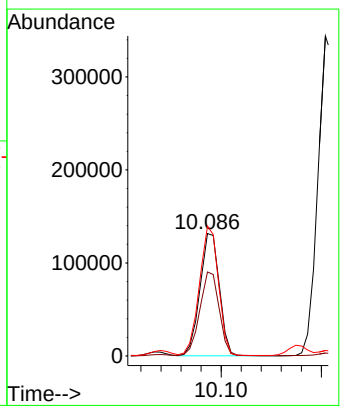


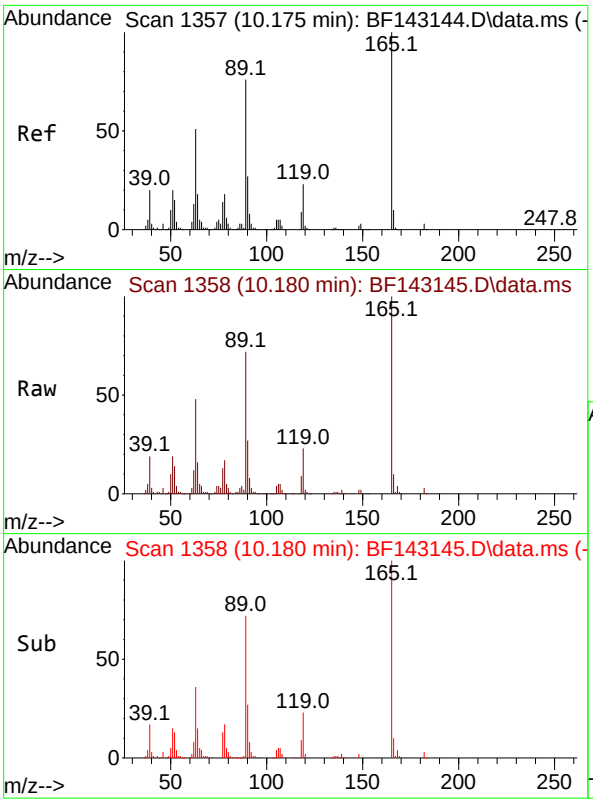


#56
4-Nitrophenol
Concen: 54.001 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:139 Resp: 177408

Ion	Ratio	Lower	Upper
139	100		
109	68.7	48.5	88.5
65	106.2	83.4	123.4



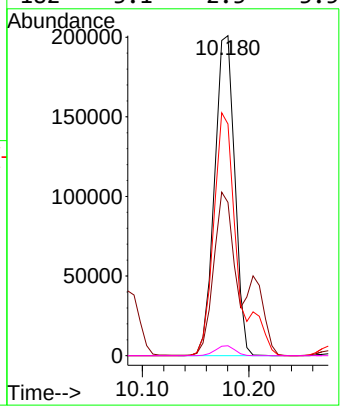


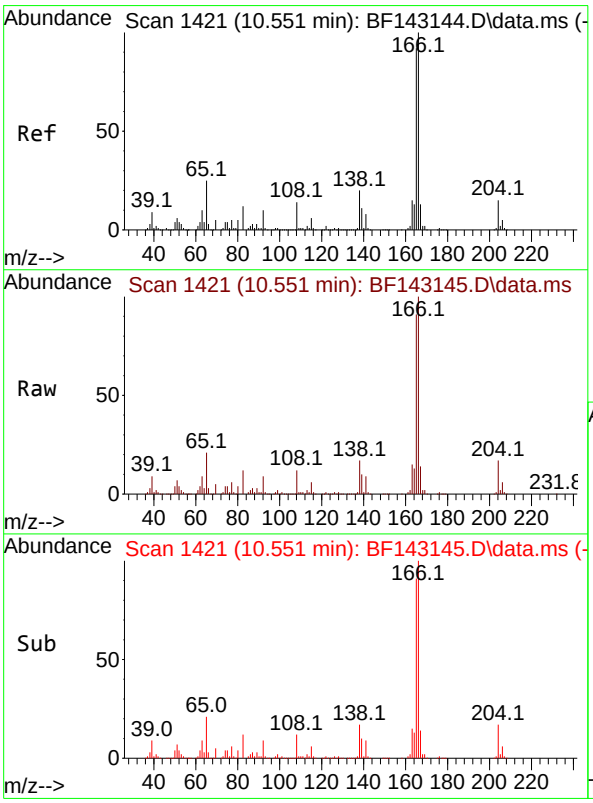
#57
2,4-Dinitrotoluene
Concen: 55.954 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 264045

Ion	Ratio	Lower	Upper
165	100		
63	47.9	41.0	61.4
89	72.4	61.1	91.7
182	3.1	2.3	3.5

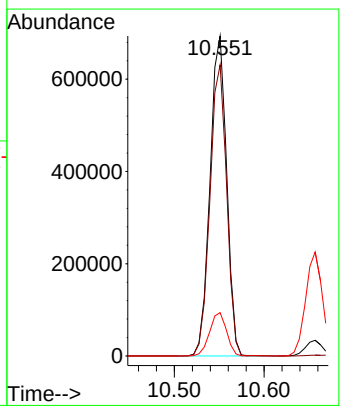


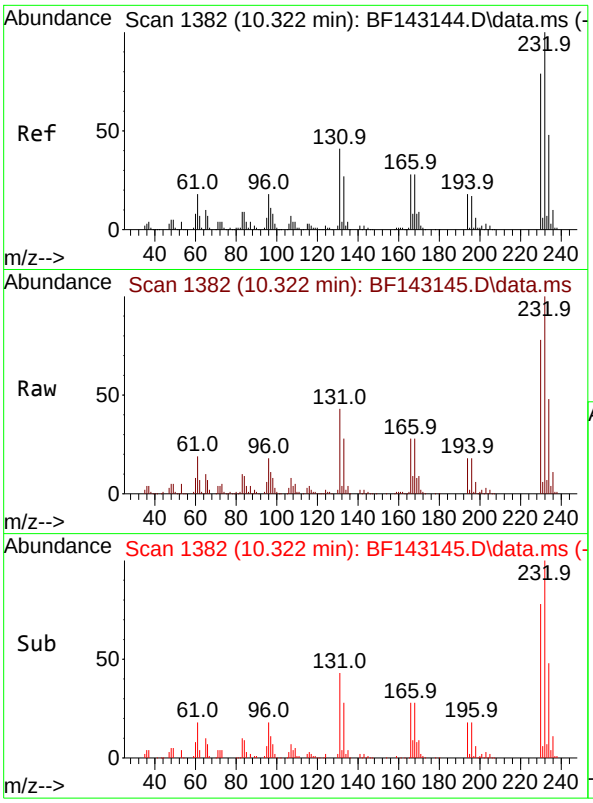


#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:166 Resp: 891646

Ion	Ratio	Lower	Upper
166	100		
165	91.0	73.7	110.5
167	13.6	10.6	16.0



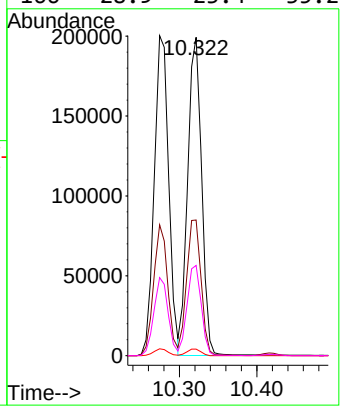


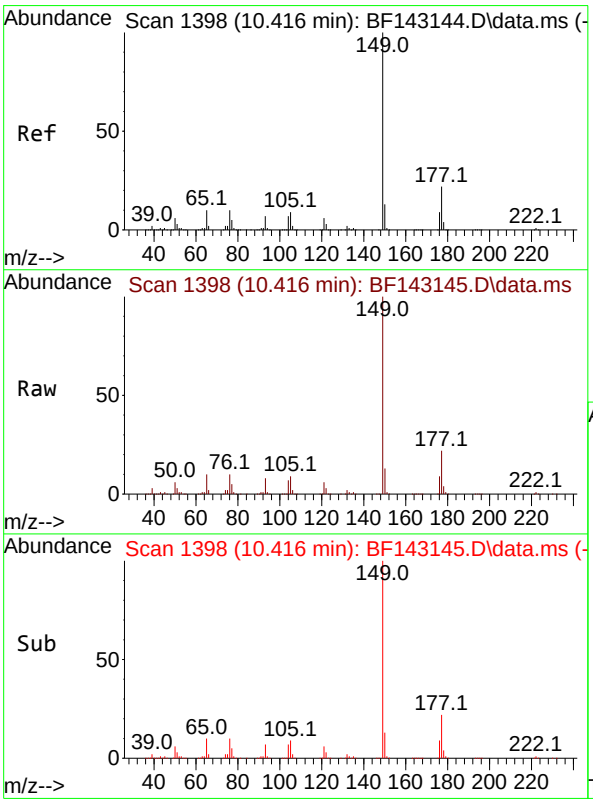
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.965 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 248745

Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.1	1.7	2.5
166	28.9	23.4	35.2

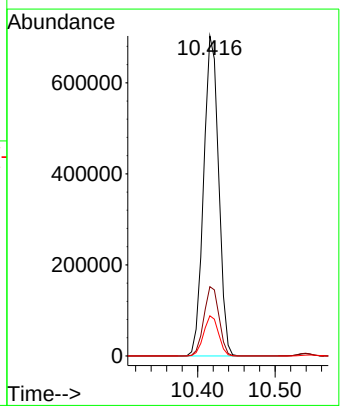


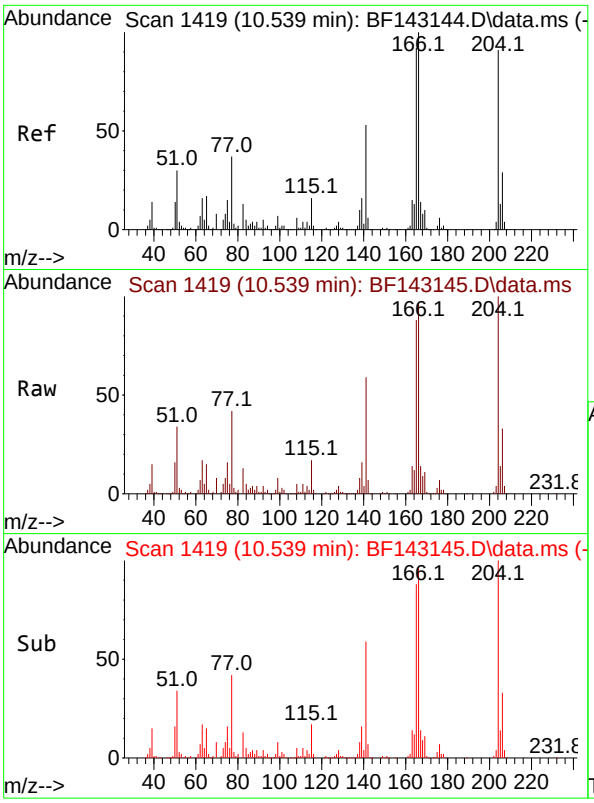


#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 942625

Ion	Ratio	Lower	Upper
149	100		
177	21.7	17.5	26.3
150	12.6	10.2	15.2



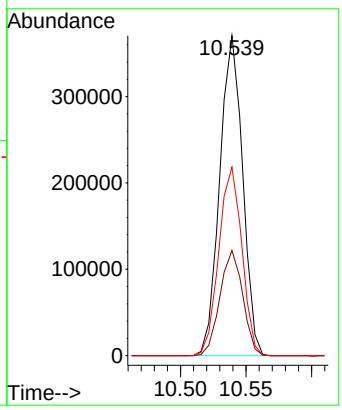


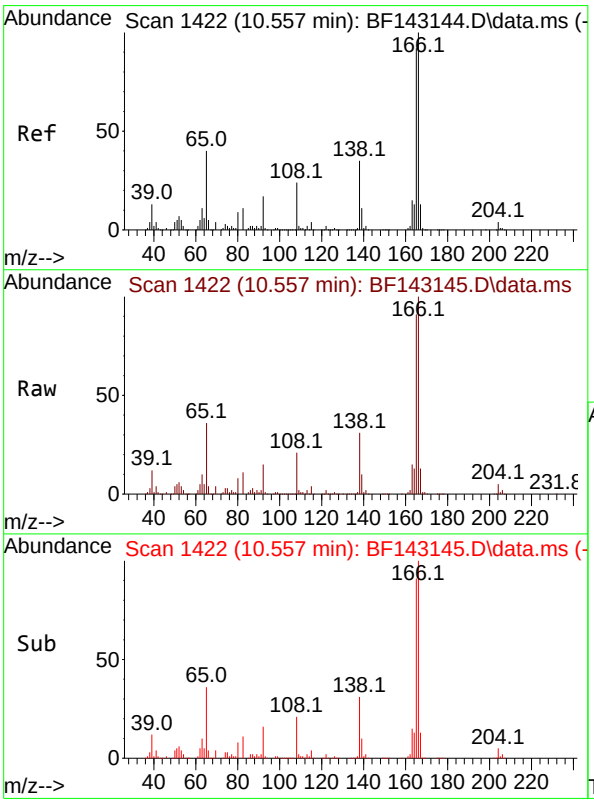
#61
4-Chlorophenyl-phenylether
Concen: 49.911 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 449168

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	58.9	47.0	70.4

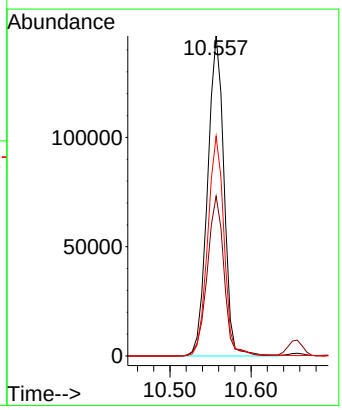


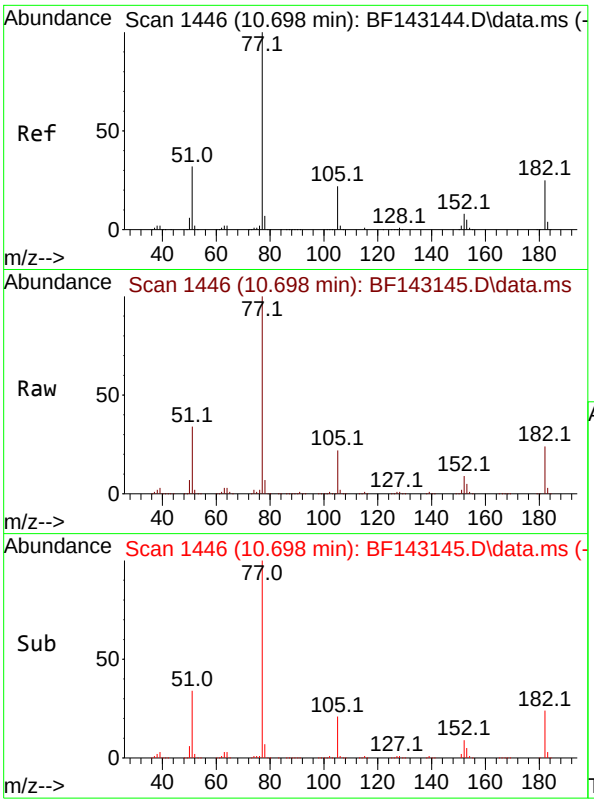


#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:138 Resp: 205210

Ion	Ratio	Lower	Upper
138	100		
92	50.0	29.3	69.3
108	68.7	48.3	88.3



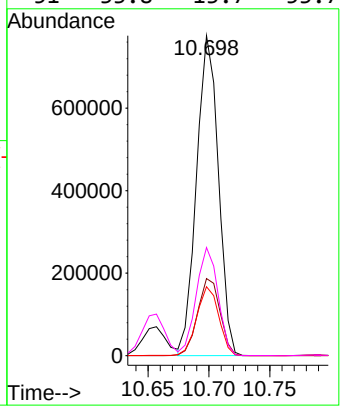


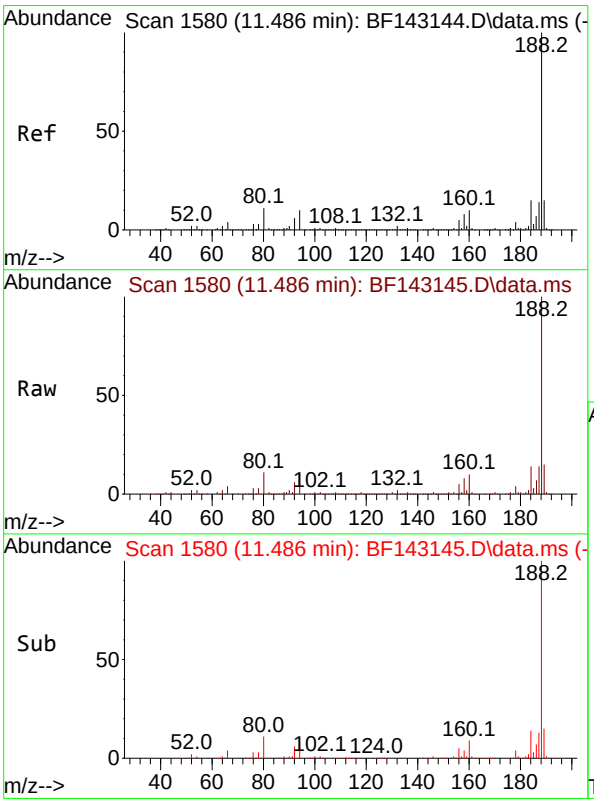
#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 966931

Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.6	44.6
105	21.6	1.4	41.4
51	33.8	13.7	53.7

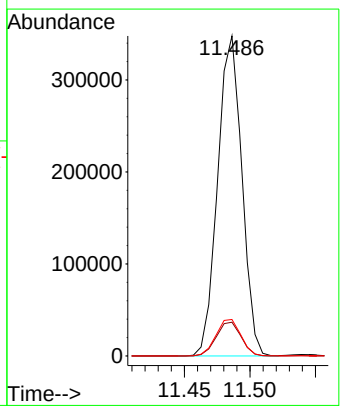


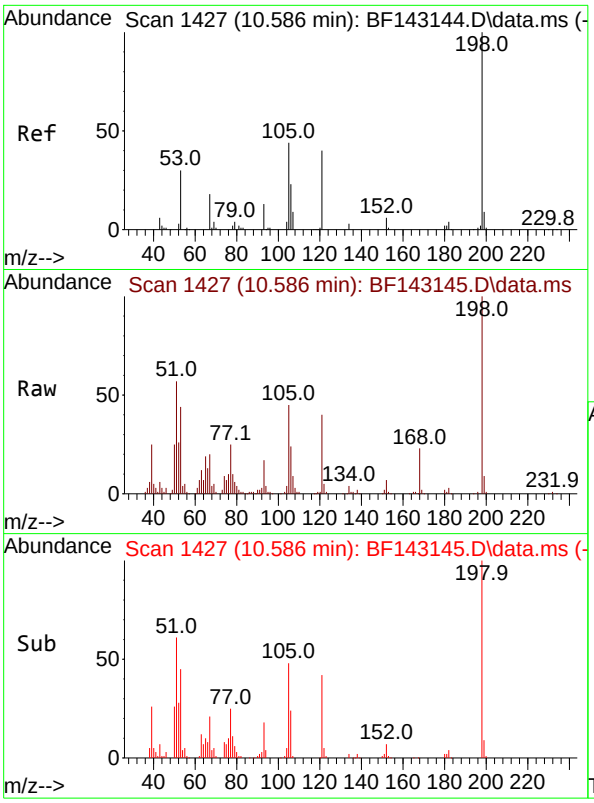


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:188 Resp: 447089

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.3	12.5
80	11.4	9.0	13.6



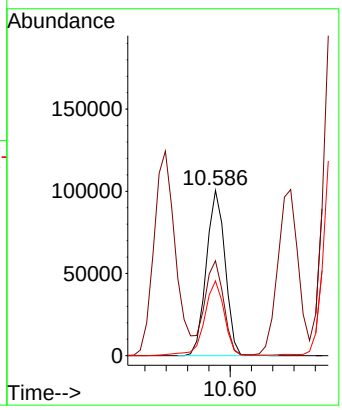


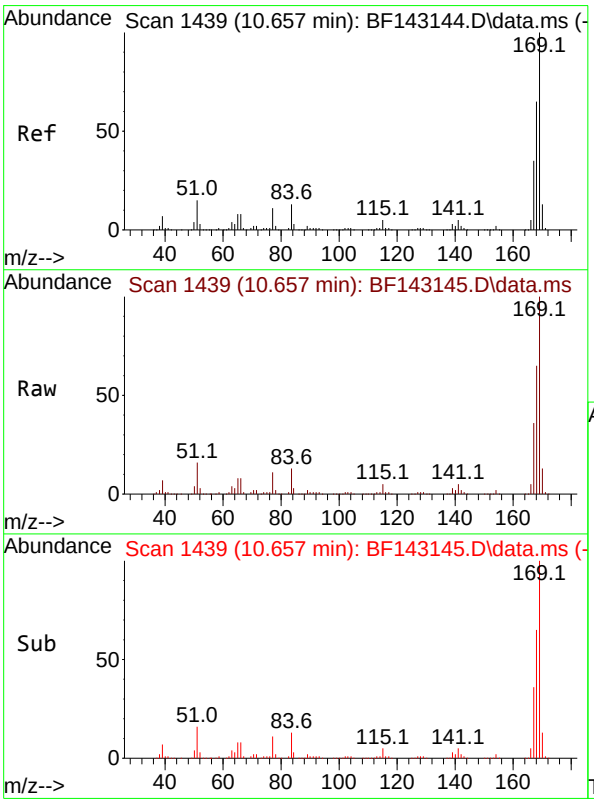
#65
4,6-Dinitro-2-methylphenol
Concen: 51.927 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 122876

Ion	Ratio	Lower	Upper
198	100		
51	57.3	37.2	77.2
105	45.1	24.8	64.8

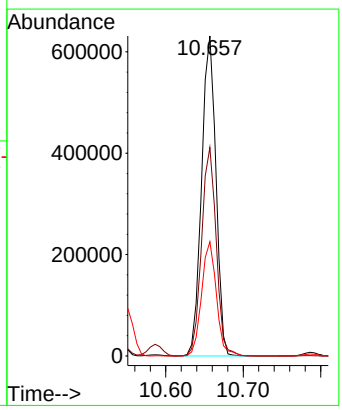


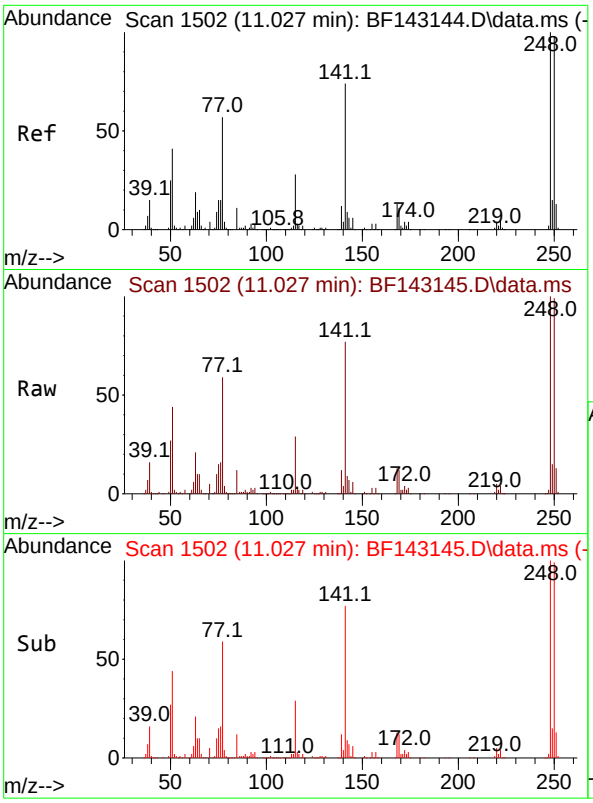


#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:169 Resp: 811422

Ion	Ratio	Lower	Upper
169	100		
168	65.1	52.1	78.1
167	35.7	28.2	42.2



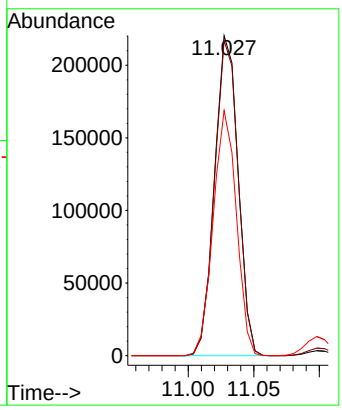


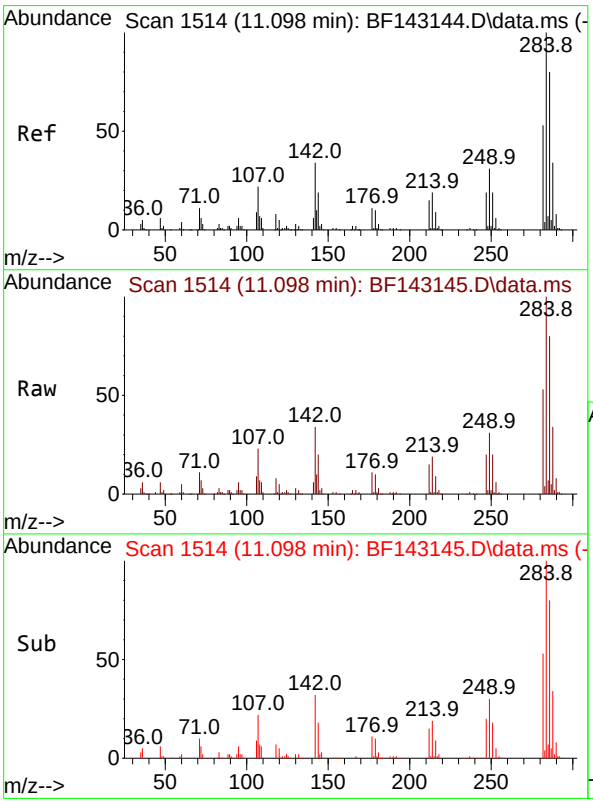
#67
4-Bromophenyl-phenylether
Concen: 51.741 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 275679

Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.3	117.5
141	76.6	59.2	88.8

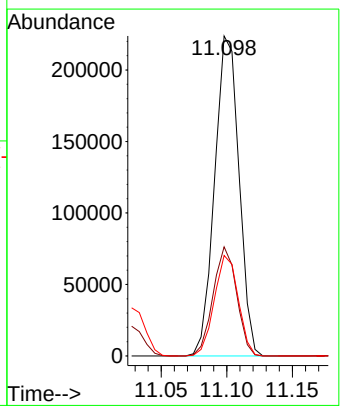


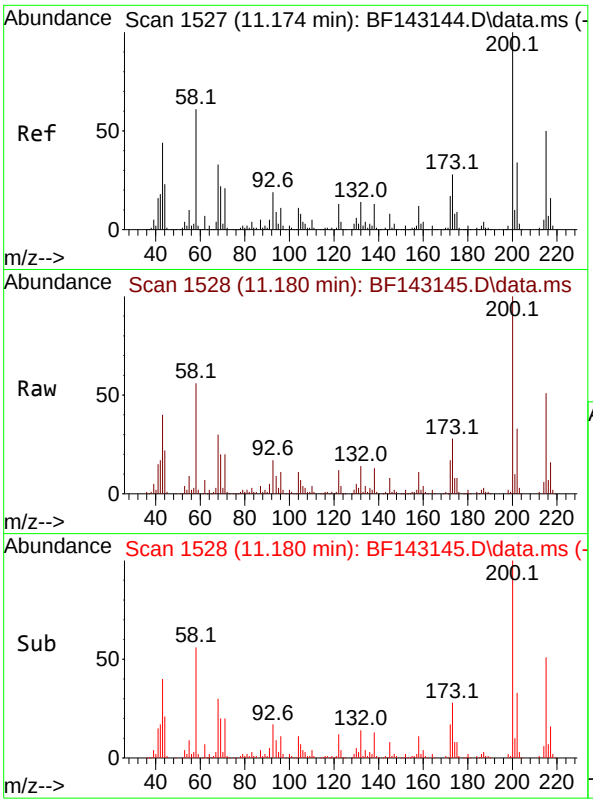


#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:284 Resp: 288405

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.0	40.6
249	31.4	25.0	37.6



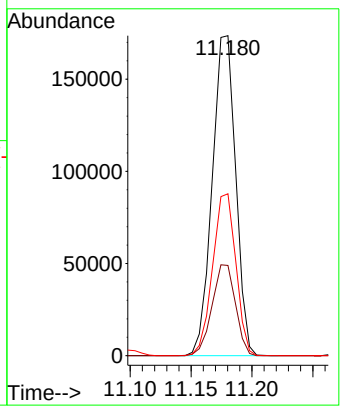


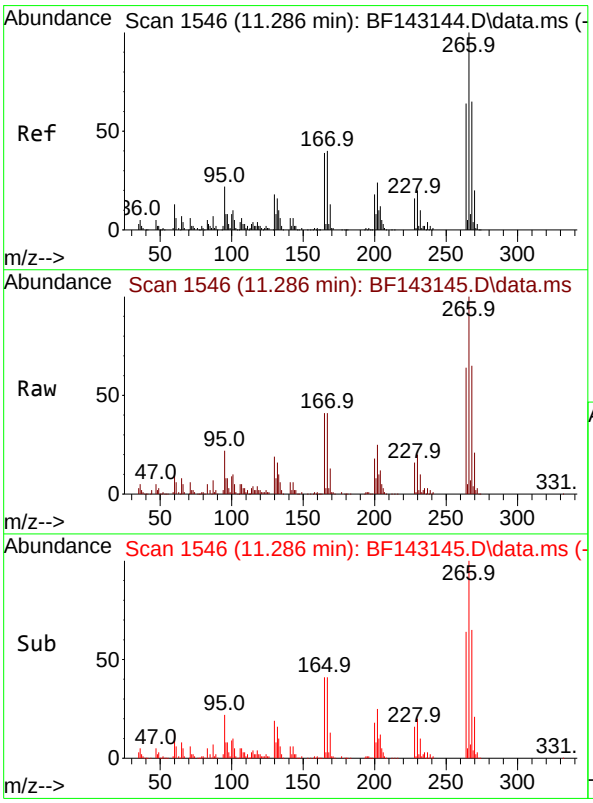
#69
Atrazine
Concen: 53.662 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 232907

Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.9	47.9
215	50.6	30.1	70.1

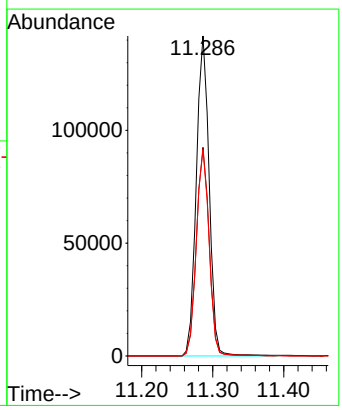


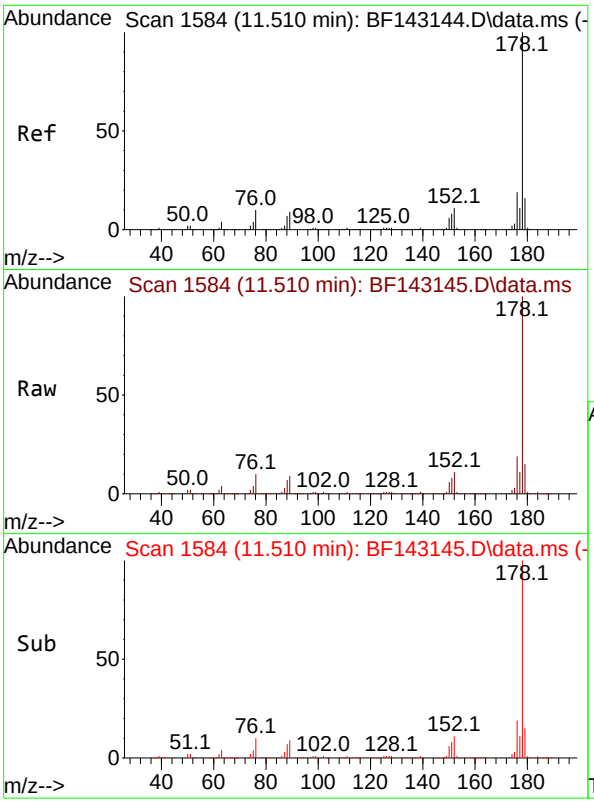


#70
Pentachlorophenol
Concen: 54.581 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:266 Resp: 178753

Ion	Ratio	Lower	Upper
266	100		
268	65.2	51.9	77.9
264	64.5	51.0	76.6



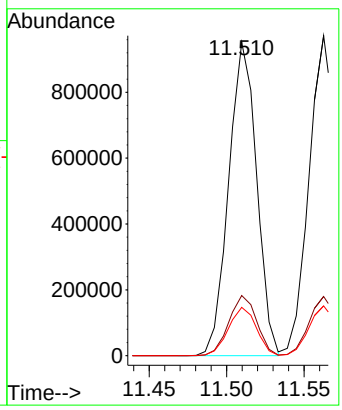


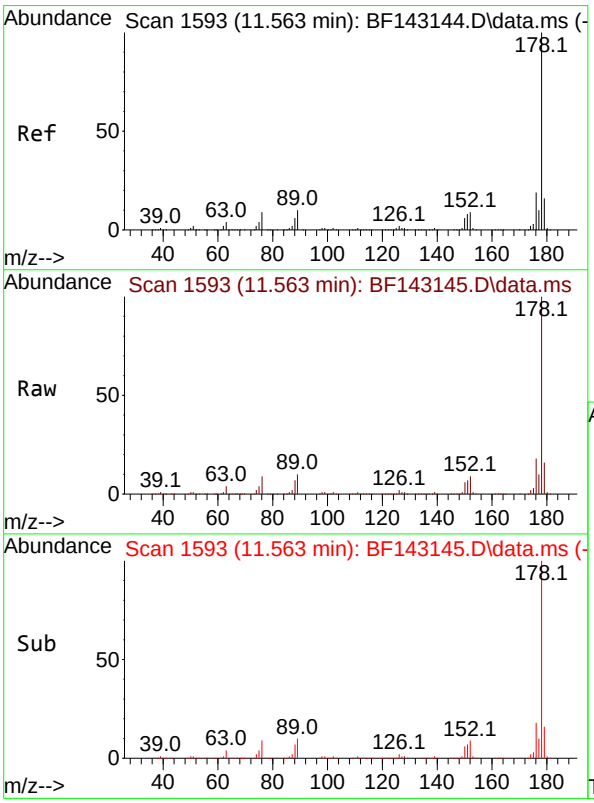
#71
Phenanthrene
Concen: 50.321 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1194582

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.5	18.7

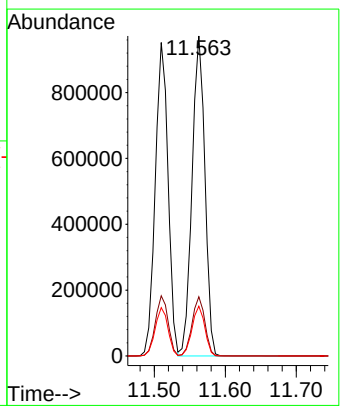


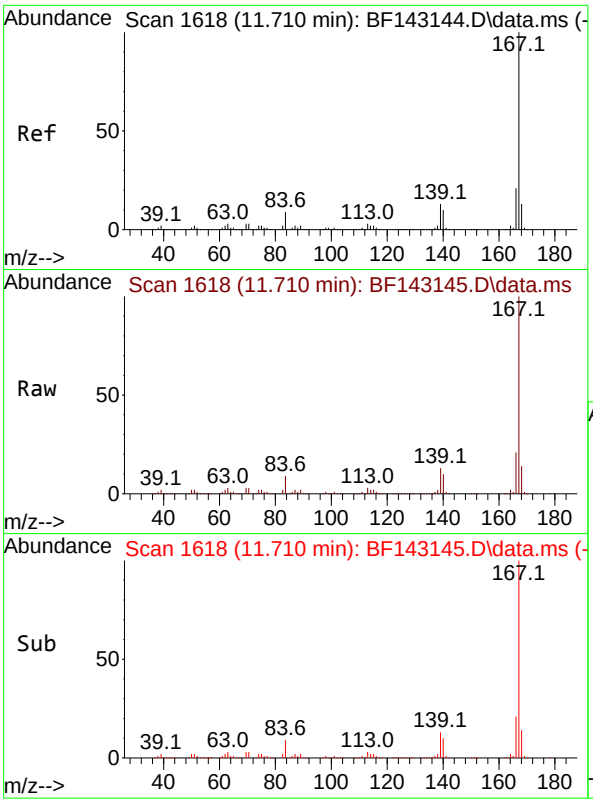


#72
Anthracene
Concen: 50.552 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:178 Resp: 1223920

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.4
179	15.5	12.5	18.7



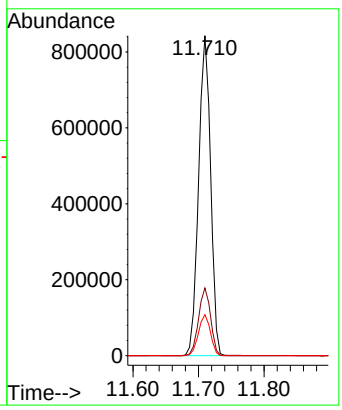


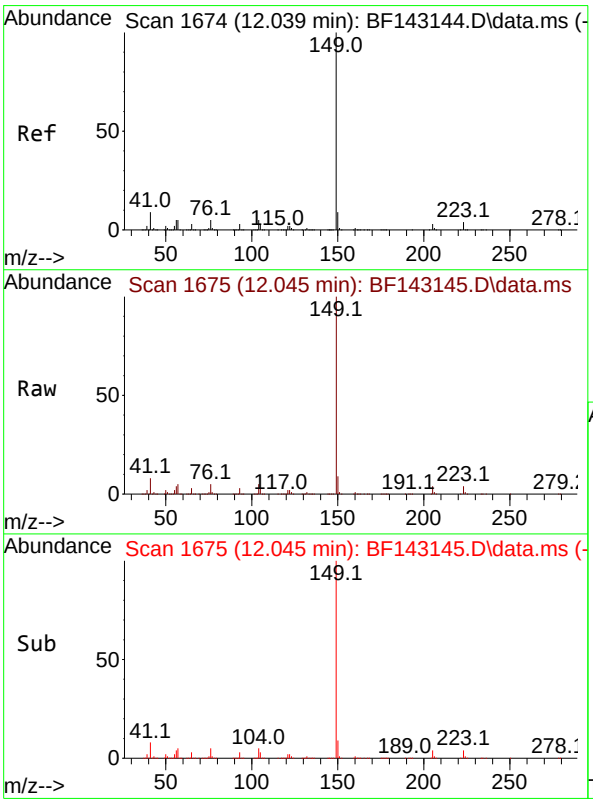
#73
Carbazole
Concen: 50.934 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1076803

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.8	10.0	15.0

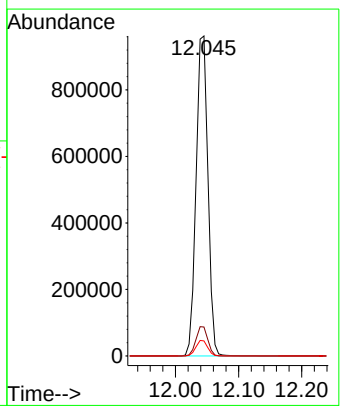


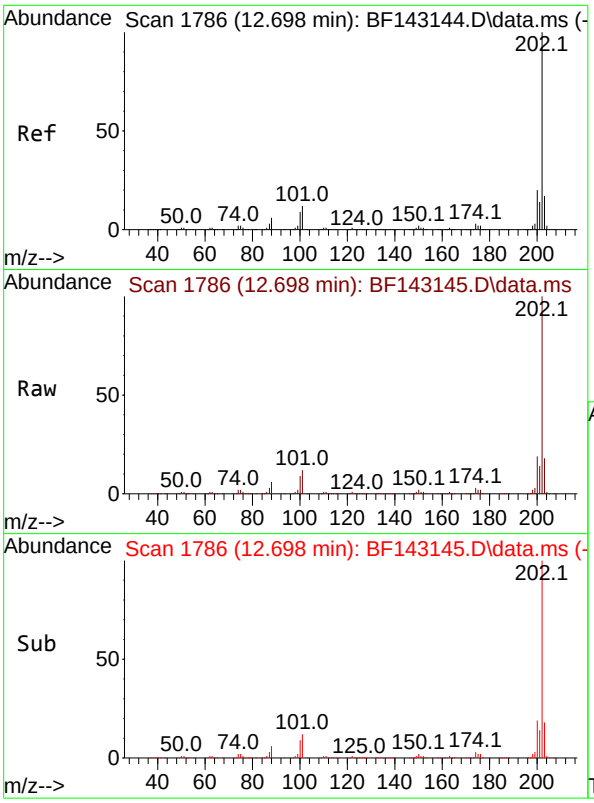


#74
Di-n-butylphthalate
Concen: 52.290 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 1250841

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.7	3.8	5.8



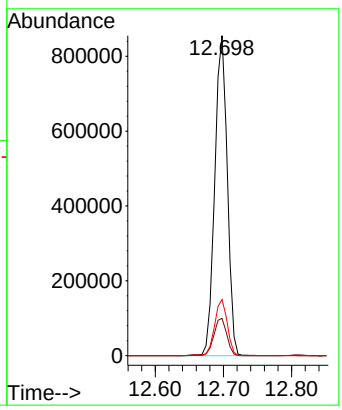


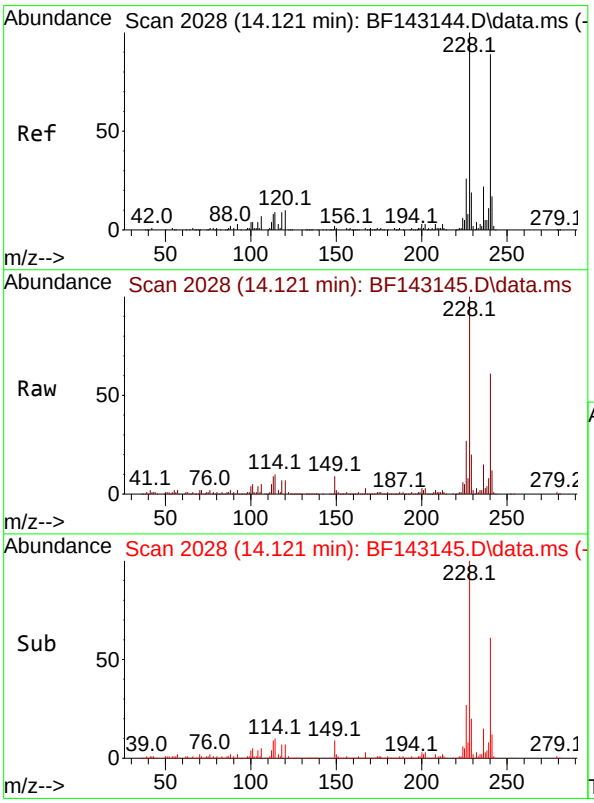
#75
Fluoranthene
Concen: 50.203 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1093890

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.6	0.0	37.4

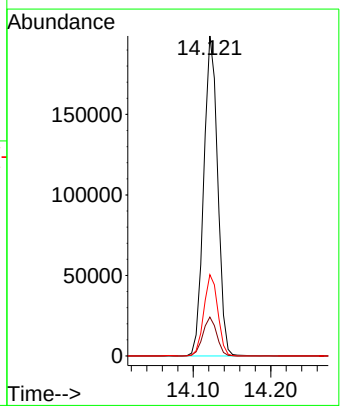


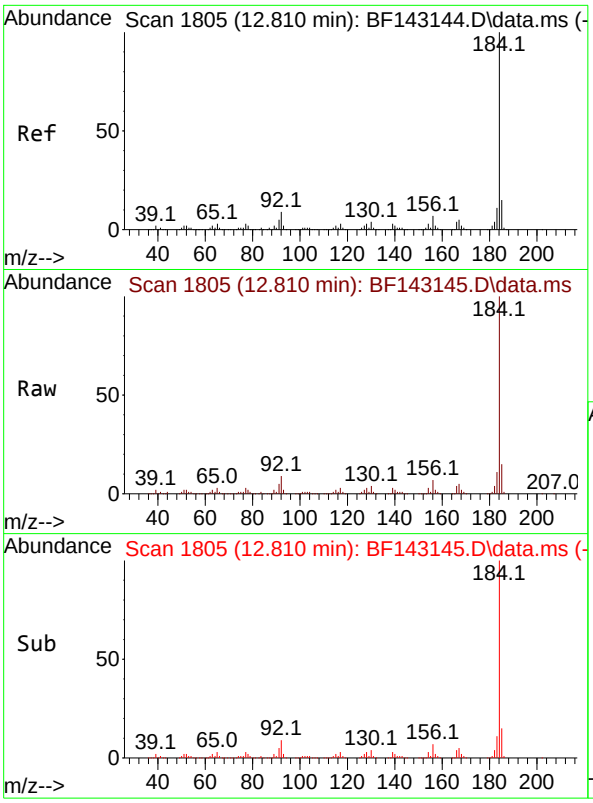


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:240 Resp: 247878

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.4	14.2
236	25.4	20.2	30.4



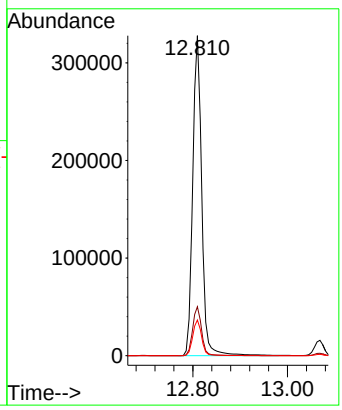


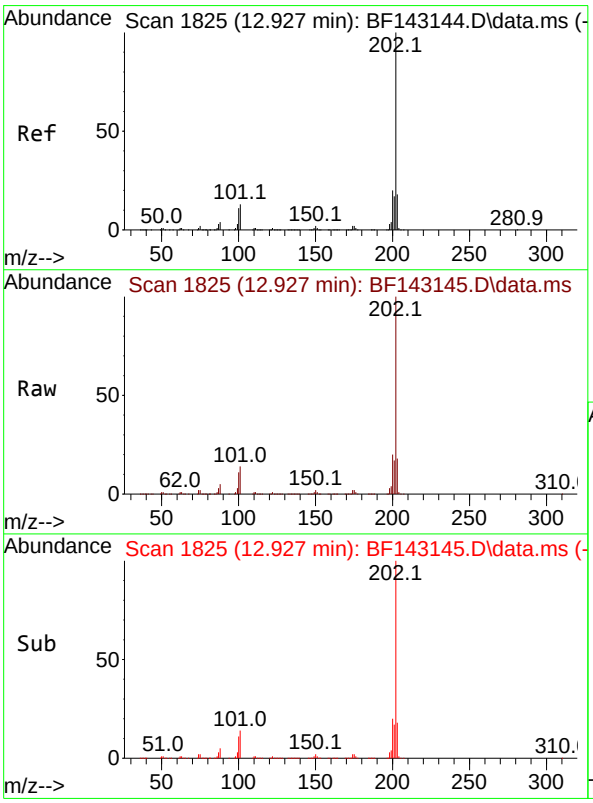
#77
Benzidine
Concen: 45.229 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 431944

Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.4
183	11.2	9.0	13.4

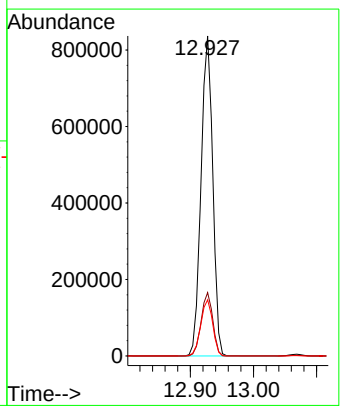


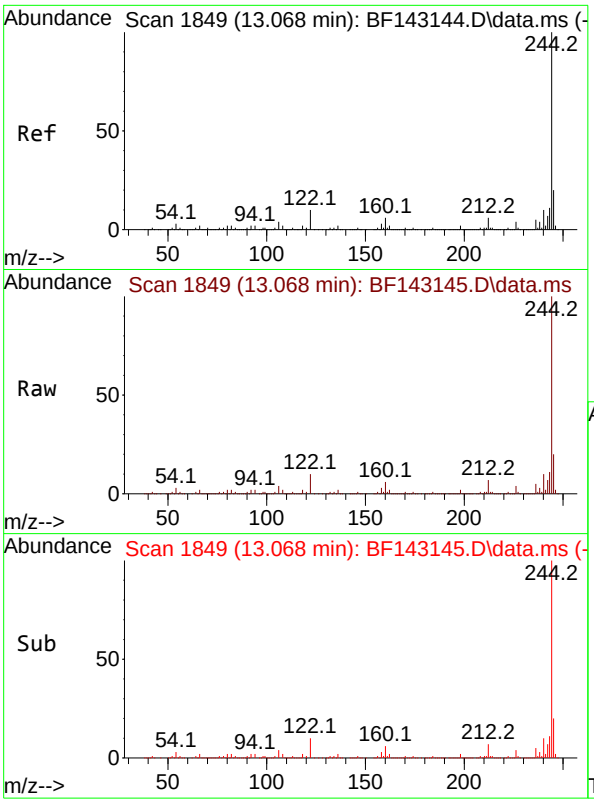


#78
Pyrene
Concen: 50.982 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:202 Resp: 1078520

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.5	14.2	21.2



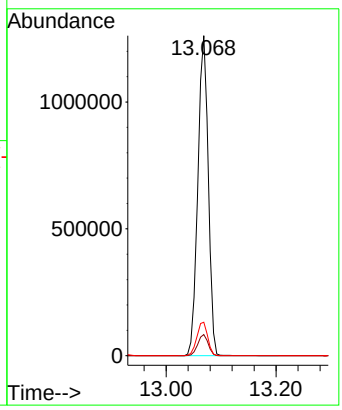


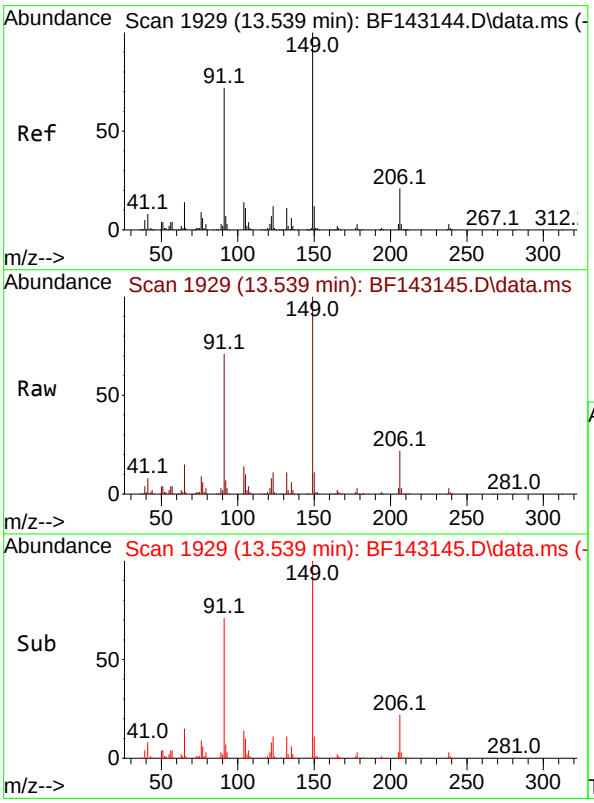
#79
Terphenyl-d14
Concen: 99.838 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 1663033

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.4	8.2	12.2

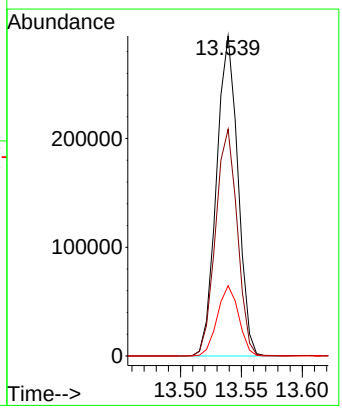


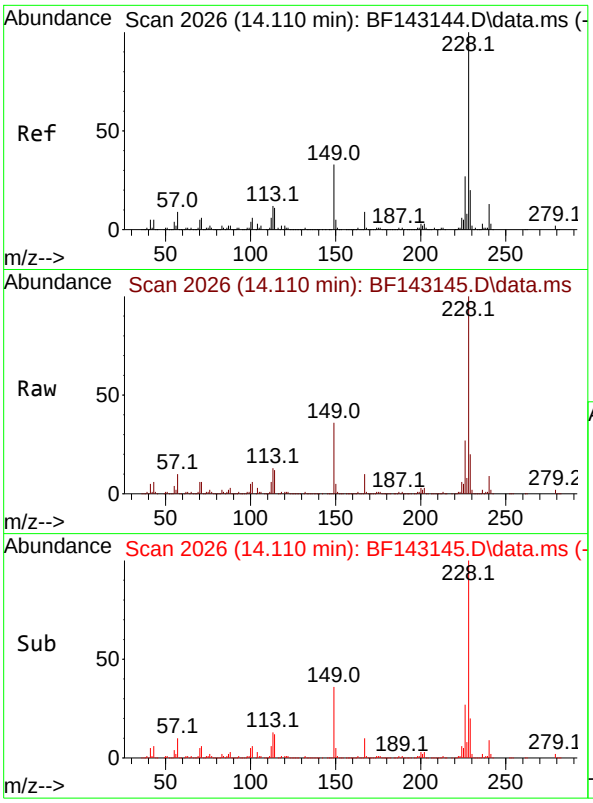


#80
Butylbenzylphthalate
Concen: 55.681 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 360698

Ion	Ratio	Lower	Upper
149	100		
91	70.8	57.9	86.9
206	22.0	17.0	25.4



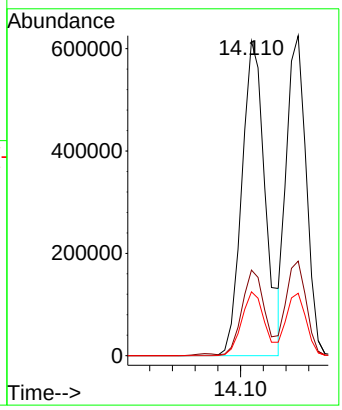


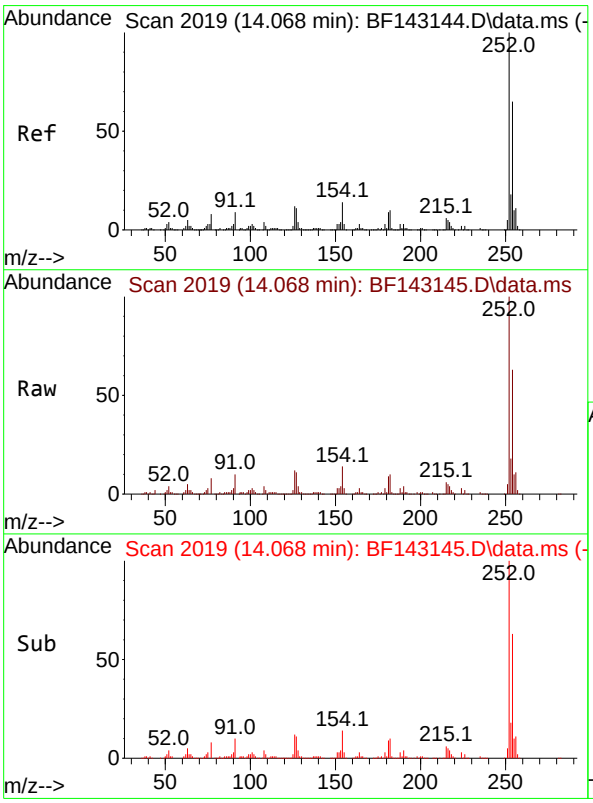
#81
Benzo(a)anthracene
Concen: 53.085 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 880975

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.3	15.8	23.6

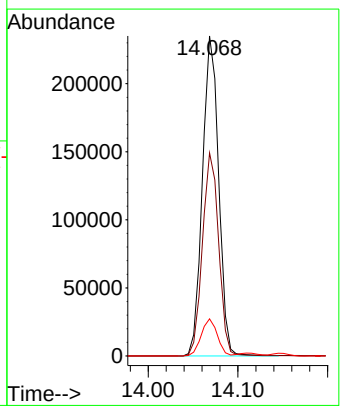


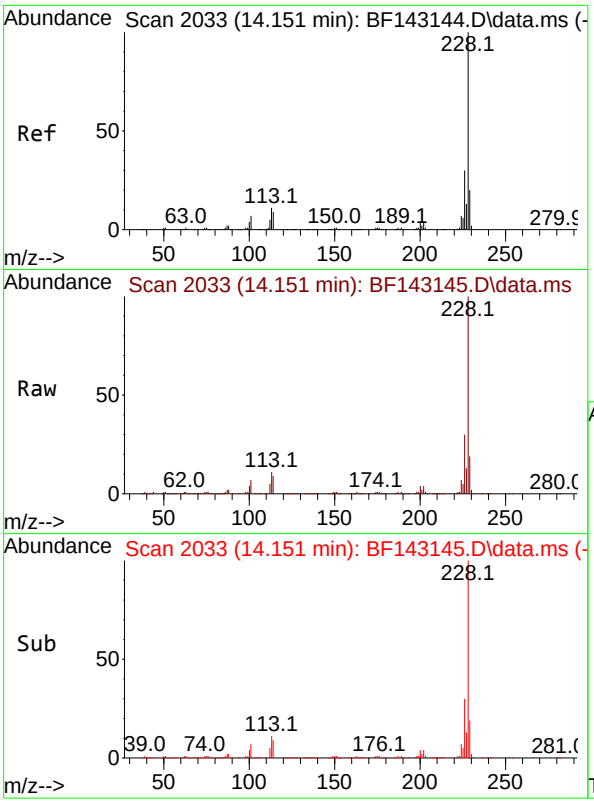


#82
3,3'-Dichlorobenzidine
Concen: 53.305 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 294836

Ion	Ratio	Lower	Upper
252	100		
254	63.5	51.7	77.5
126	11.6	9.4	14.0



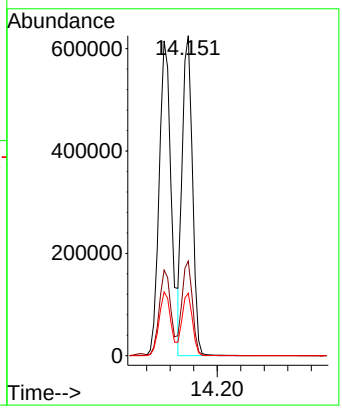


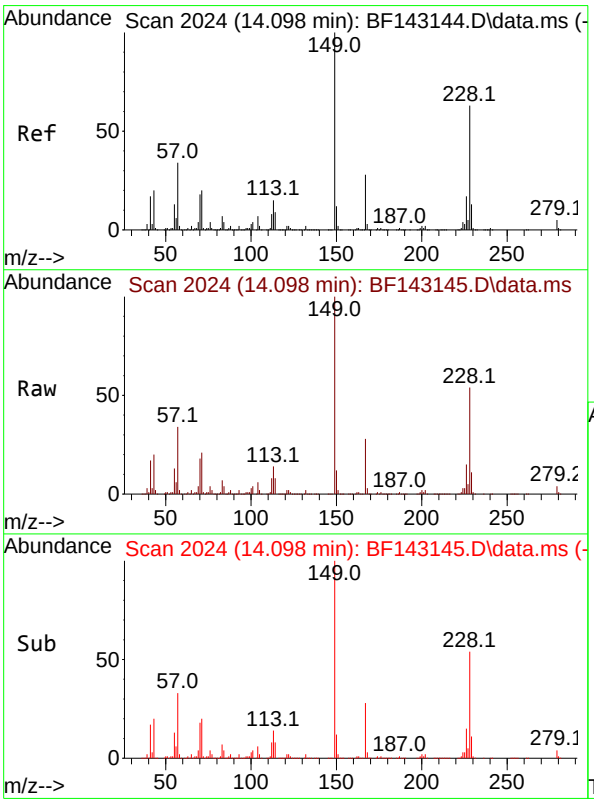
#83
Chrysene
Concen: 50.597 ng
RT: 14.151 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 754953

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	19.5	15.6	23.4

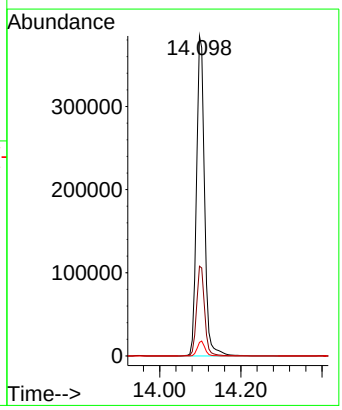


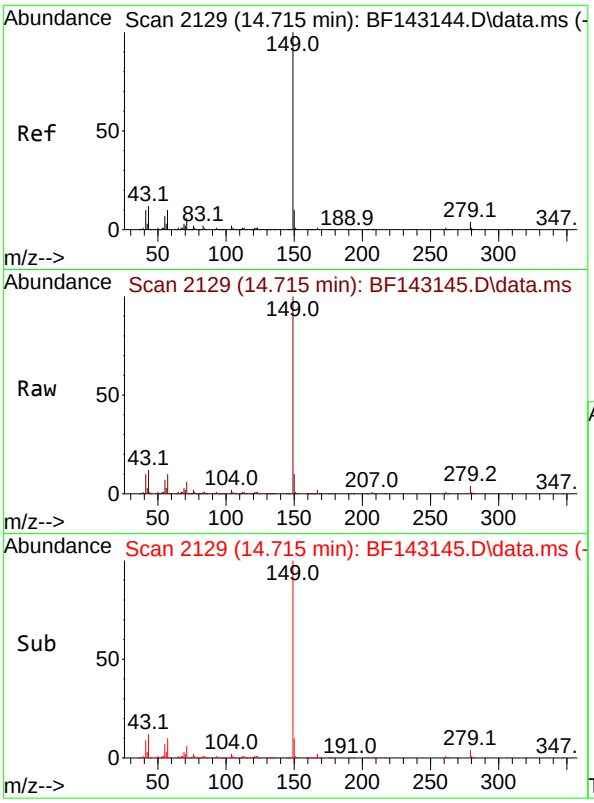


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.475 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:149 Resp: 534128

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.3	3.6	5.4



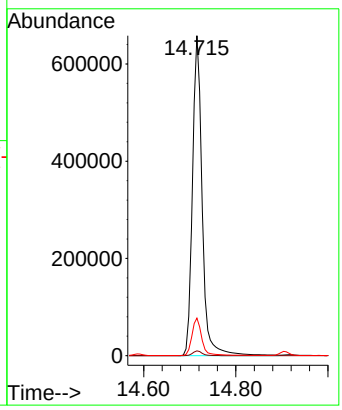


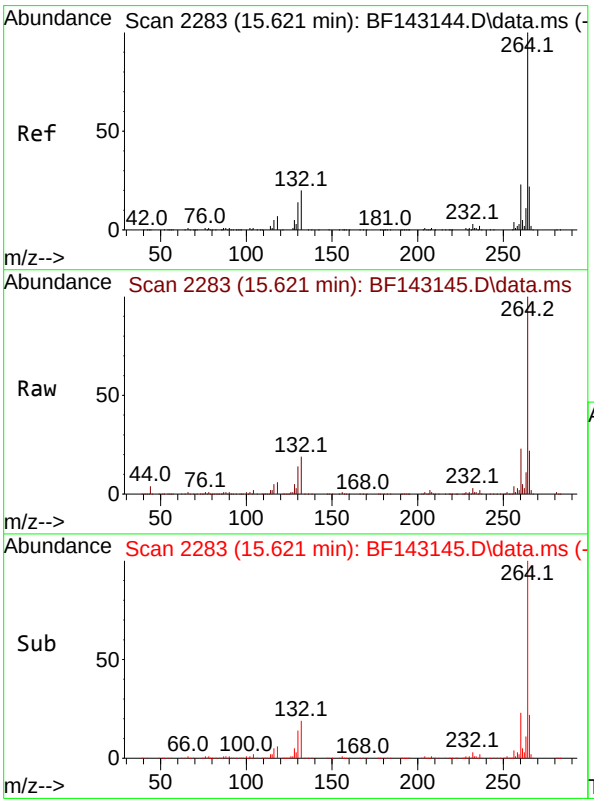
#85
Di-n-octyl phthalate
Concen: 54.032 ng
RT: 14.715 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 960309

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.9	9.7	14.5

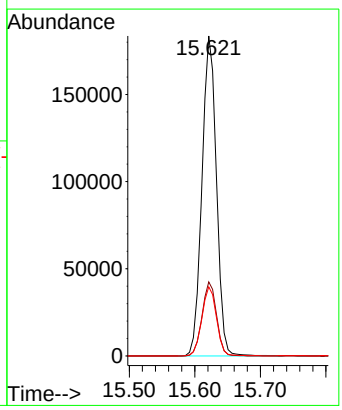


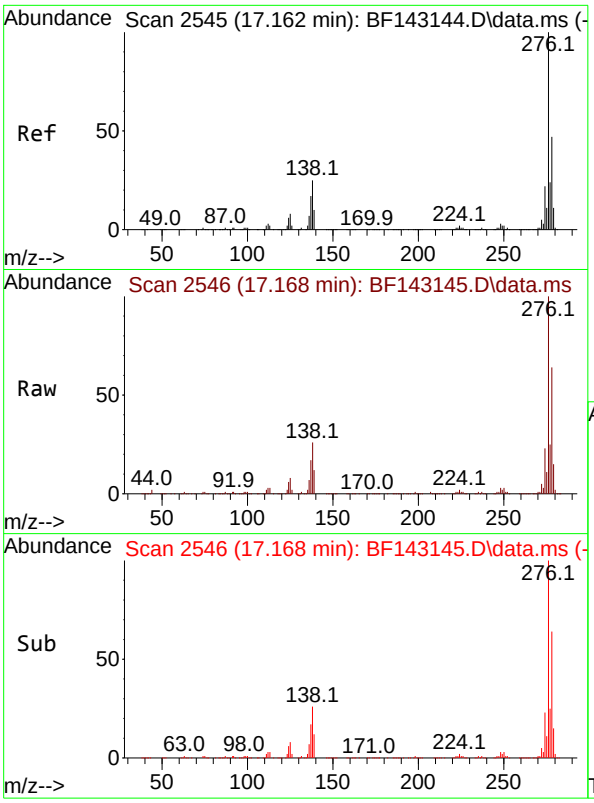


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:264 Resp: 282289

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.6	17.4	26.2



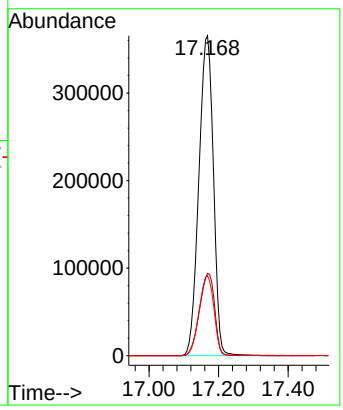


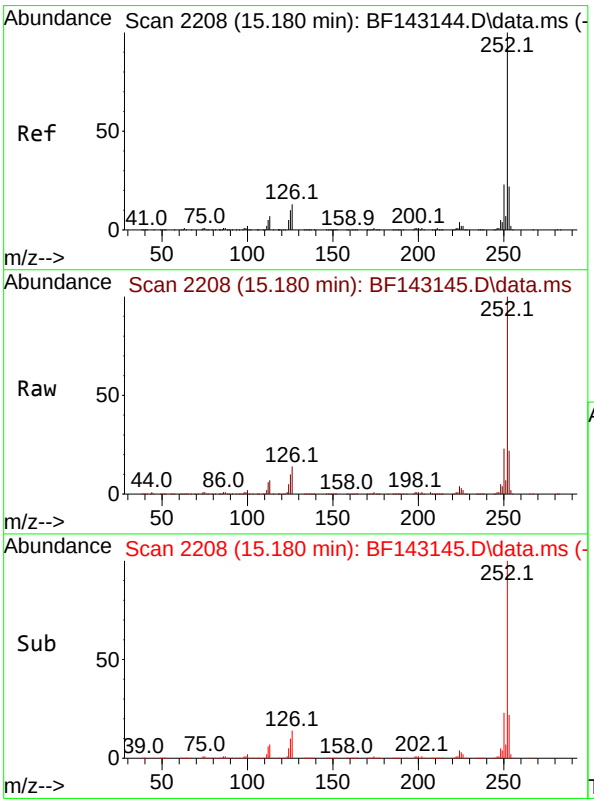
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.347 ng
RT: 17.168 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1061877

Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.6
277	25.4	20.0	30.0

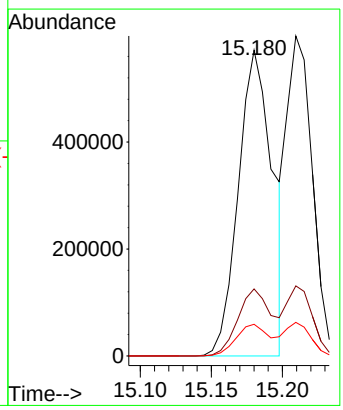


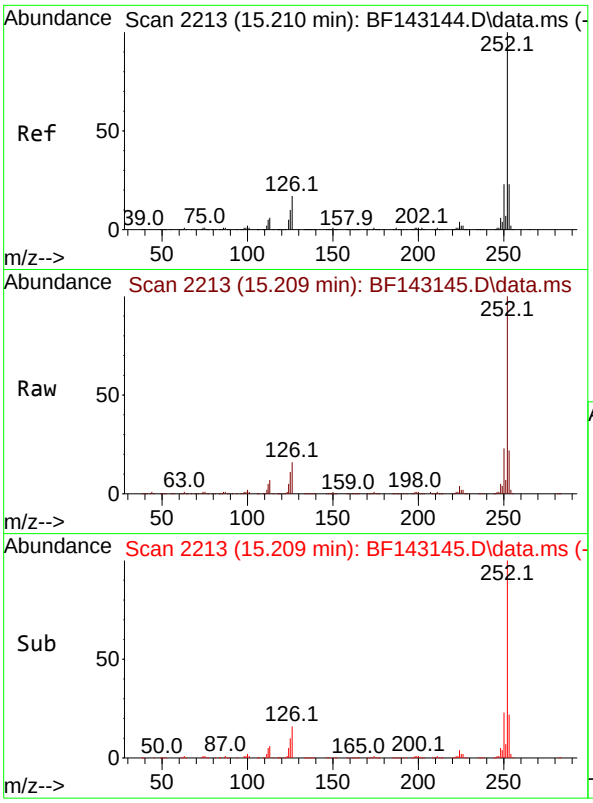


#88
Benzo(b)fluoranthene
Concen: 55.319 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 953990

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.4	8.0	12.0



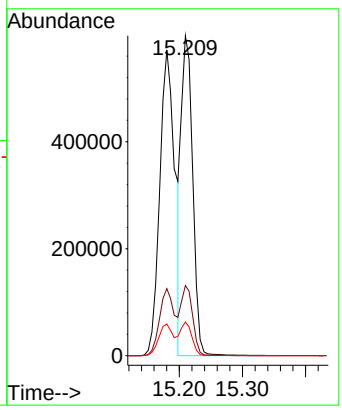


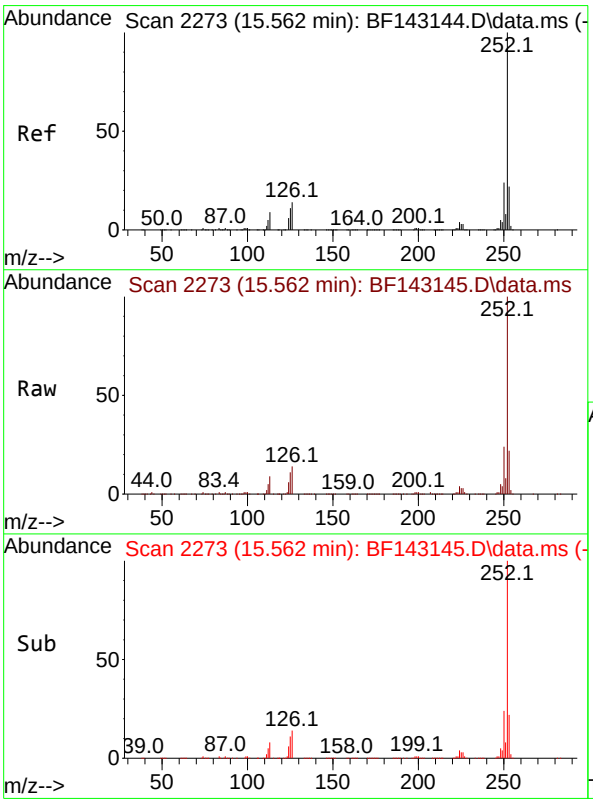
#89
Benzo(k)fluoranthene
Concen: 49.024 ng
RT: 15.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 754417

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.5	8.1	12.1

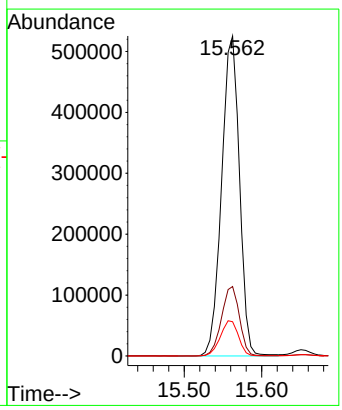


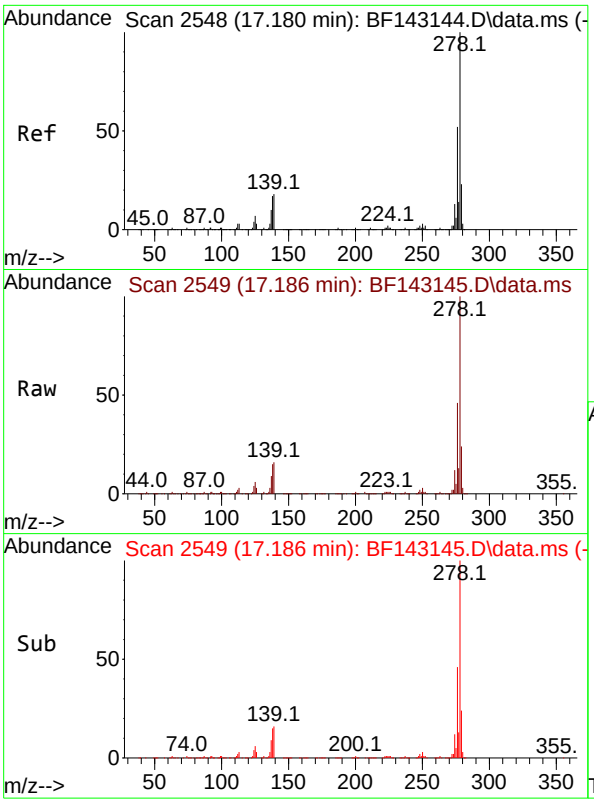


#90
Benzo(a)pyrene
Concen: 52.928 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:252 Resp: 840968

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.3	25.9
125	10.7	8.6	13.0



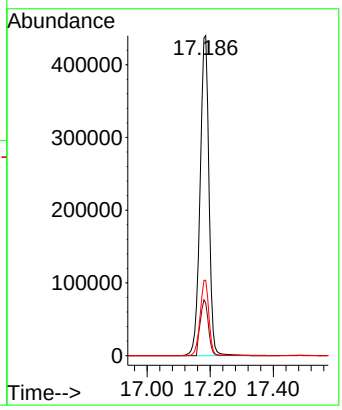


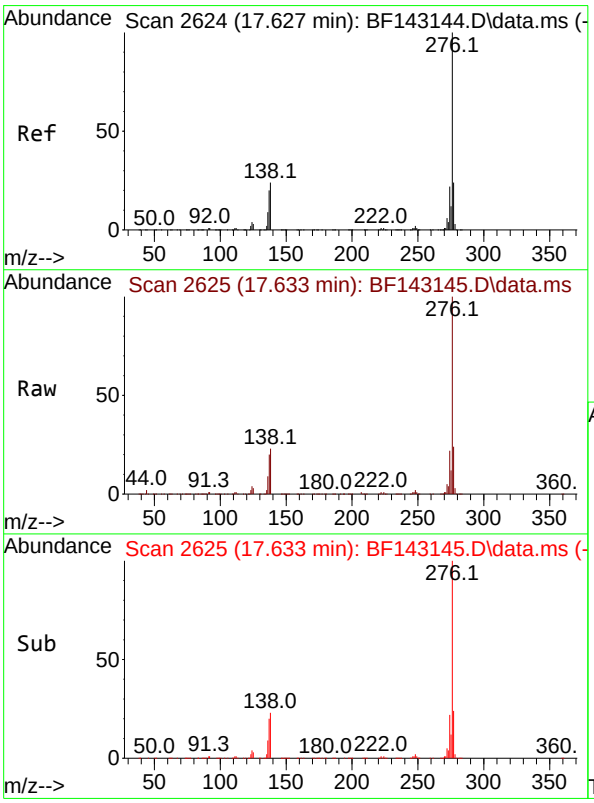
#91
Dibenzo(a,h)anthracene
Concen: 53.172 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 861467

Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.1	21.1
279	23.5	18.6	28.0

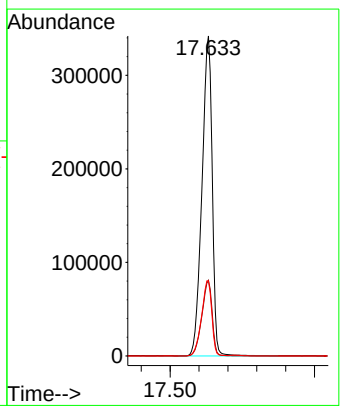




#92
Benzo(g,h,i)perylene
Concen: 53.845 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:276 Resp: 843865

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	23.5	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	153150	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	573541	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	286544	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	442888	20.000	ng	0.00
76) Chrysene-d12	14.121	240	264384	20.000	ng	0.00
86) Perylene-d12	15.621	264	315904	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	1096776	113.327	ng	0.00
7) Phenol-d6	6.587	99	1384010	113.616	ng	0.00
23) Nitrobenzene-d5	7.528	82	1367018	118.809	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	354678	119.817	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	2274500	108.558	ng	0.00
79) Terphenyl-d14	13.069	244	1888544	106.298	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.805	88	268511	58.635	ng	99
3) Pyridine	3.581	79	700860	58.965	ng	99
4) n-Nitrosodimethylamine	3.534	42	369452	60.203	ng	99
6) Aniline	6.628	93	982918	57.896	ng	100
8) 2-Chlorophenol	6.751	128	589870	58.147	ng	98
9) Benzaldehyde	6.516	77	515585	56.445	ng	99
10) Phenol	6.604	94	797860	60.123	ng	96
11) bis(2-Chloroethyl)ether	6.698	93	588491	57.918	ng	99
12) 1,3-Dichlorobenzene	6.910	146	625605	56.769	ng	99
13) 1,4-Dichlorobenzene	6.981	146	623375	56.171	ng	98
14) 1,2-Dichlorobenzene	7.140	146	598571	56.708	ng	99
15) Benzyl Alcohol	7.098	79	548155	58.934	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1076628	57.120	ng	98
17) 2-Methylphenol	7.210	107	498077	58.393	ng	99
18) Hexachloroethane	7.481	117	225488	58.691	ng	99
19) n-Nitroso-di-n-propyla...	7.381	70	437750	56.012	ng	100
20) 3+4-Methylphenols	7.363	107	582354	56.273	ng	96
22) Acetophenone	7.375	105	760969	56.041	ng	99
24) Nitrobenzene	7.545	77	641832	59.832	ng	99
25) Isophorone	7.787	82	1202506	59.202	ng	99
26) 2-Nitrophenol	7.857	139	304218	65.345	ng	97
27) 2,4-Dimethylphenol	7.892	122	548823	57.833	ng	99
28) bis(2-Chloroethoxy)met...	7.992	93	696403	57.184	ng	99
29) 2,4-Dichlorophenol	8.098	162	466809	58.329	ng	98
30) 1,2,4-Trichlorobenzene	8.187	180	498478	57.653	ng	99
31) Naphthalene	8.269	128	1575696	55.784	ng	99
32) Benzoic acid	8.010	122	321703	58.961	ng	99
33) 4-Chloroaniline	8.310	127	659467	57.178	ng	99
34) Hexachlorobutadiene	8.392	225	307552	58.230	ng	99
35) Caprolactam	8.692	113	145894	60.327	ng	100
36) 4-Chloro-3-methylphenol	8.787	107	506142	58.186	ng	99
37) 2-Methylnaphthalene	8.957	142	966031	56.203	ng	99
38) 1-Methylnaphthalene	9.057	142	997009	56.329	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	479450	57.955	ng	99
41) Hexachlorocyclopentadiene	9.116	237	337833	62.761	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	344941	60.246	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	339656	59.305	ng	99
46) 1,1'-Biphenyl	9.422	154	1265588	56.610	ng	100
47) 2-Chloronaphthalene	9.451	162	948912	57.364	ng	100
48) 2-Nitroaniline	9.534	65	331501	63.904	ng	99
49) Acenaphthylene	9.863	152	1576240	56.860	ng	100
50) Dimethylphthalate	9.722	163	1075052	57.558	ng	100
51) 2,6-Dinitrotoluene	9.775	165	238103	62.665	ng	97
52) Acenaphthene	10.039	154	930883	56.814	ng	98
53) 3-Nitroaniline	9.945	138	273506	61.542	ng	100
54) 2,4-Dinitrophenol	10.045	184	101491	60.690	ng	72
55) Dibenzofuran	10.210	168	1364531	56.093	ng	100
56) 4-Nitrophenol	10.092	139	203477	61.312	ng	99
57) 2,4-Dinitrotoluene	10.181	165	304460	63.868	ng	97
58) Fluorene	10.551	166	997710	54.647	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	283124	59.678	ng	99
60) Diethylphthalate	10.422	149	1057851	57.301	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	516980	56.867	ng	99
62) 4-Nitroaniline	10.563	138	232488	61.037	ng	98
63) Azobenzene	10.698	77	1098772	57.107	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	144751	60.728	ng	98
66) n-Nitrosodiphenylamine	10.657	169	910468	58.380	ng	98
67) 4-Bromophenyl-phenylether	11.028	248	318085	60.266	ng	99
68) Hexachlorobenzene	11.104	284	325779	59.054	ng	96
69) Atrazine	11.181	200	262374	61.024	ng	100
70) Pentachlorophenol	11.286	266	206417	63.625	ng	98
71) Phenanthrene	11.510	178	1331485	56.620	ng	100
72) Anthracene	11.563	178	1379601	57.522	ng	100
73) Carbazole	11.710	167	1194026	57.015	ng	100
74) Di-n-butylphthalate	12.045	149	1392335	58.757	ng	100
75) Fluoranthene	12.698	202	1232952	57.122	ng	99
77) Benzidine	12.810	184	476553	46.785	ng	100
78) Pyrene	12.927	202	1207978	53.536	ng	99
80) Butylbenzylphthalate	13.539	149	441334	63.875	ng	99
81) Benzo(a)anthracene	14.110	228	1041236	58.825	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	348979	59.155	ng	100
83) Chrysene	14.151	228	930545	58.472	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	655482	62.678	ng	100
85) Di-n-octyl phthalate	14.716	149	1196044	63.095	ng	100
87) Indeno(1,2,3-cd)pyrene	17.168	276	1337361	60.037	ng	99
88) Benzo(b)fluoranthene	15.180	252	1125667	58.328	ng	100
89) Benzo(k)fluoranthene	15.216	252	1023132	59.411	ng	99
90) Benzo(a)pyrene	15.563	252	1062049	59.730	ng	99
91) Dibenzo(a,h)anthracene	17.192	278	1080768	59.610	ng	98
92) Benzo(g,h,i)perylene	17.639	276	1055168	60.163	ng	99

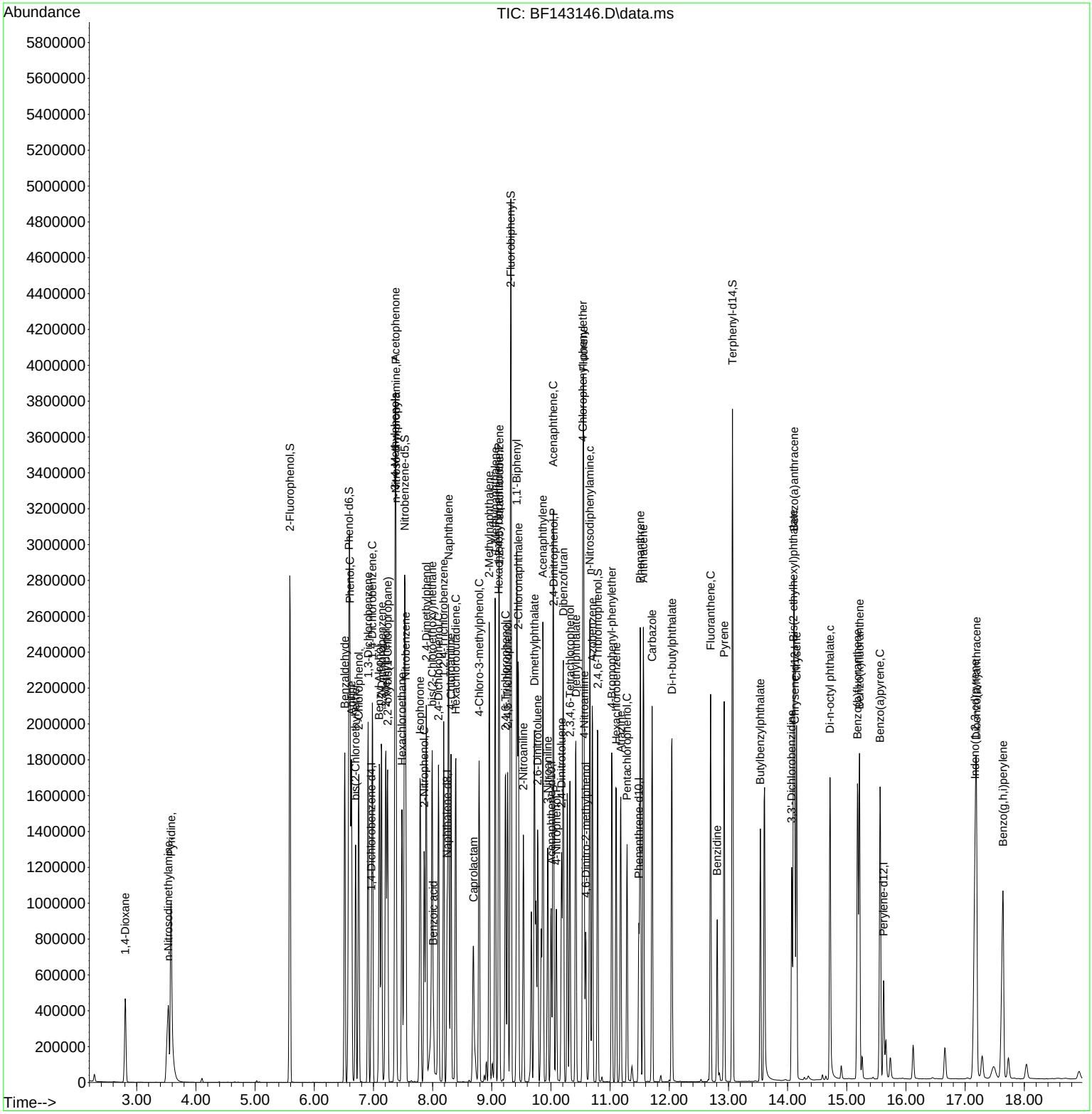
(#) = qualifier out of range (m) = manual integration (+) = signals summed

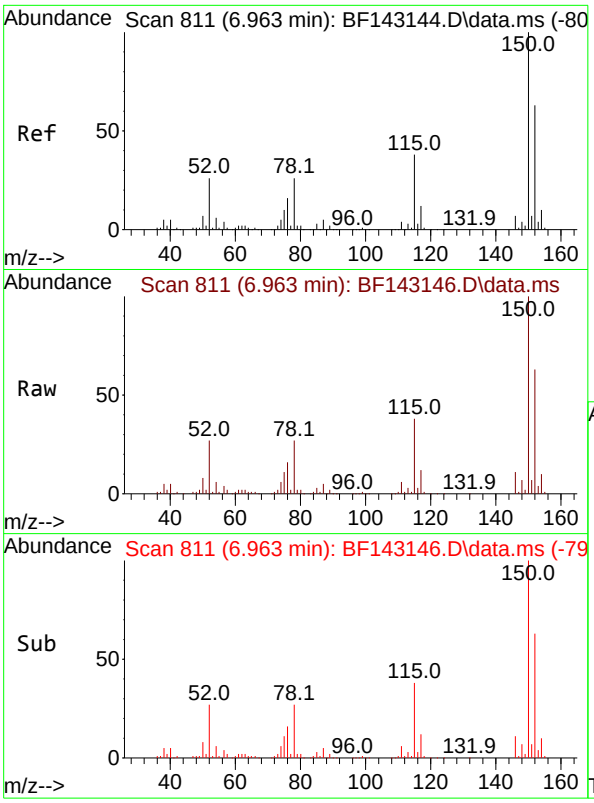
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



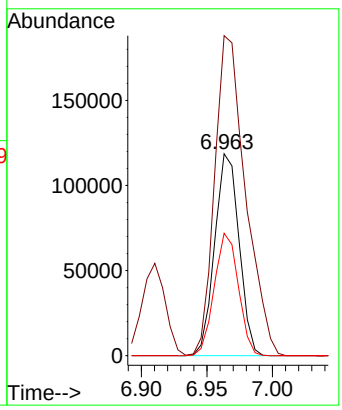


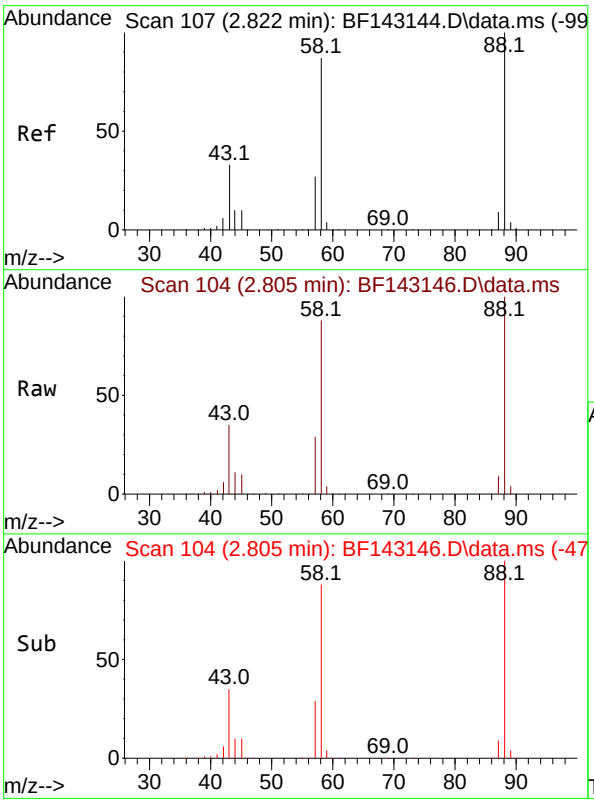
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 153150

Ion	Ratio	Lower	Upper
152	100		
150	158.5	128.2	192.4
115	60.7	47.9	71.9

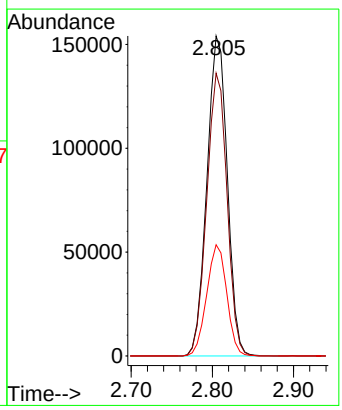


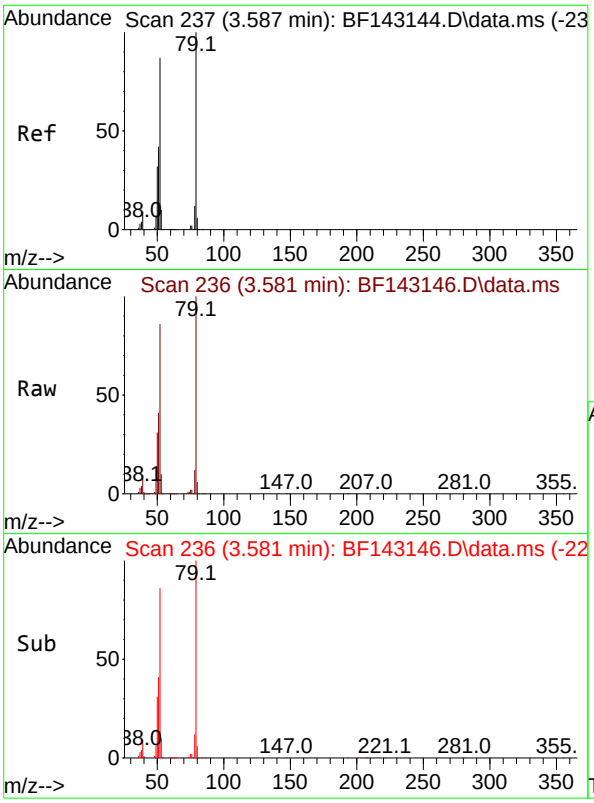


#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 88 Resp: 268511

Ion	Ratio	Lower	Upper
88	100		
58	88.2	70.2	105.2
43	34.2	27.1	40.7



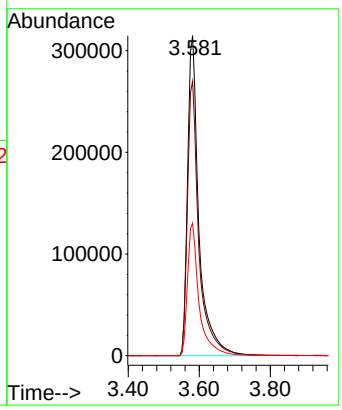


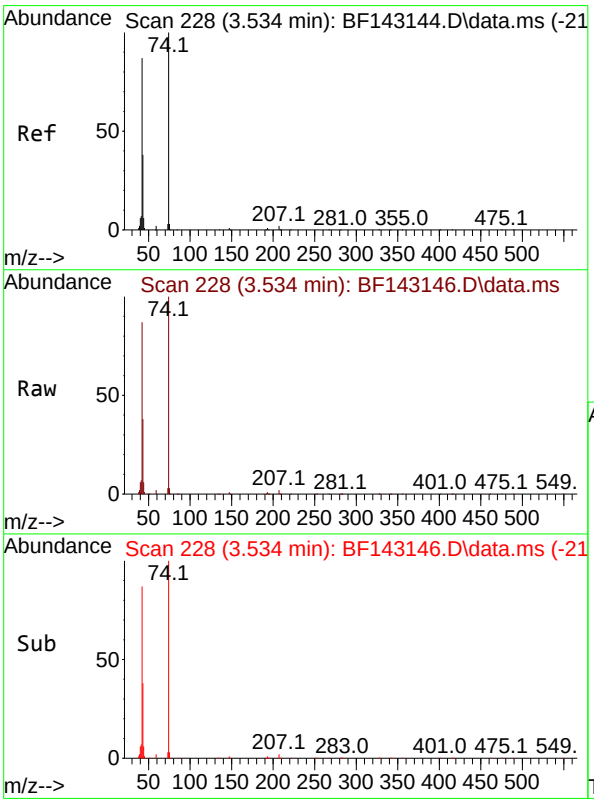
#3
Pyridine
Concen: 58.965 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 700860

Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.4	104.2
51	41.4	33.5	50.3

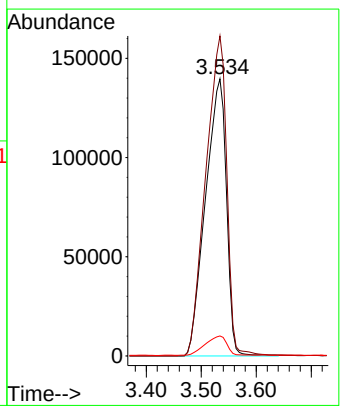


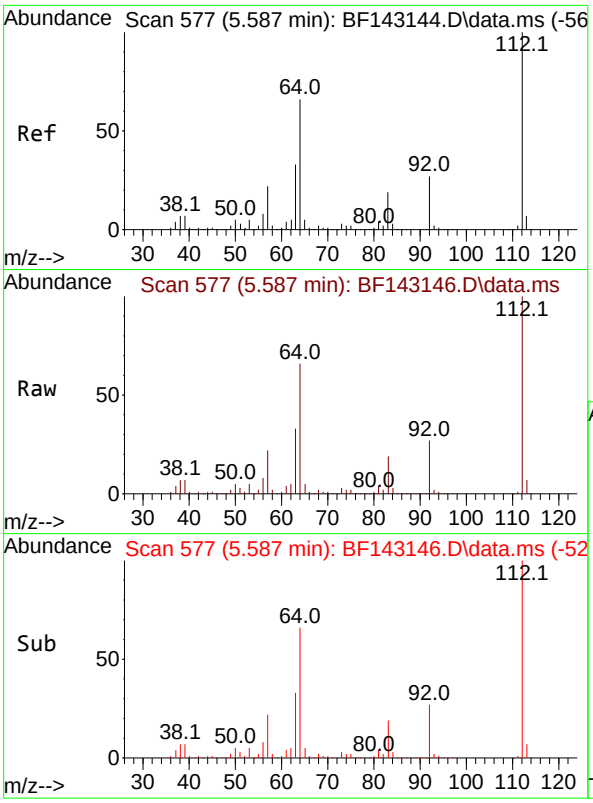


#4
n-Nitrosodimethylamine
Concen: 60.203 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 42 Resp: 369452

Ion	Ratio	Lower	Upper
42	100		
74	115.5	91.7	137.5
44	7.2	5.6	8.4



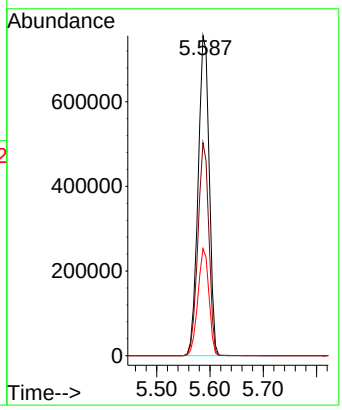


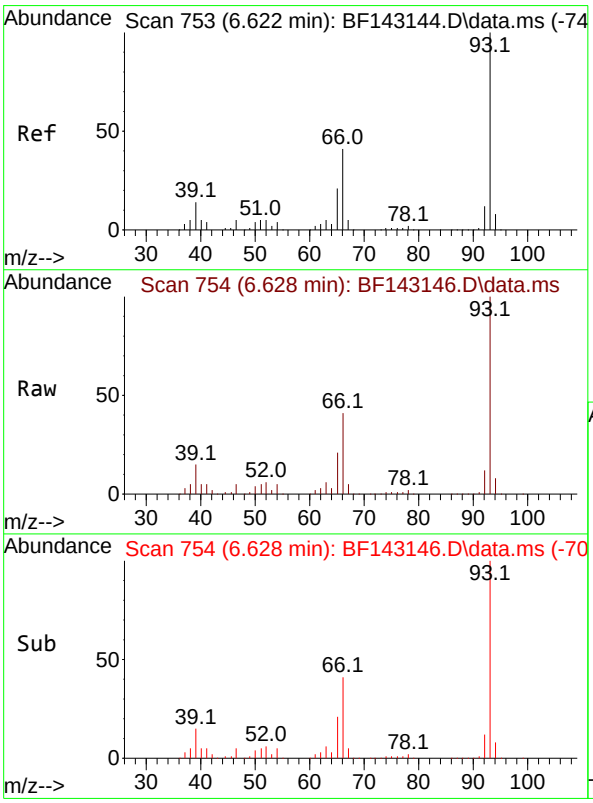
#5
2-Fluorophenol
Concen: 113.327 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1096776

Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.1	79.7
63	33.4	26.6	40.0

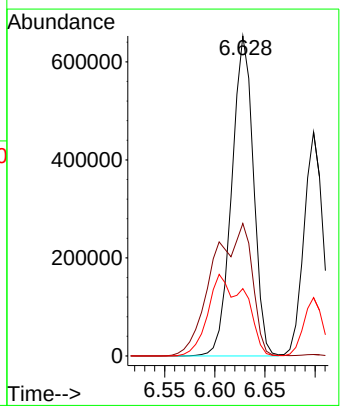


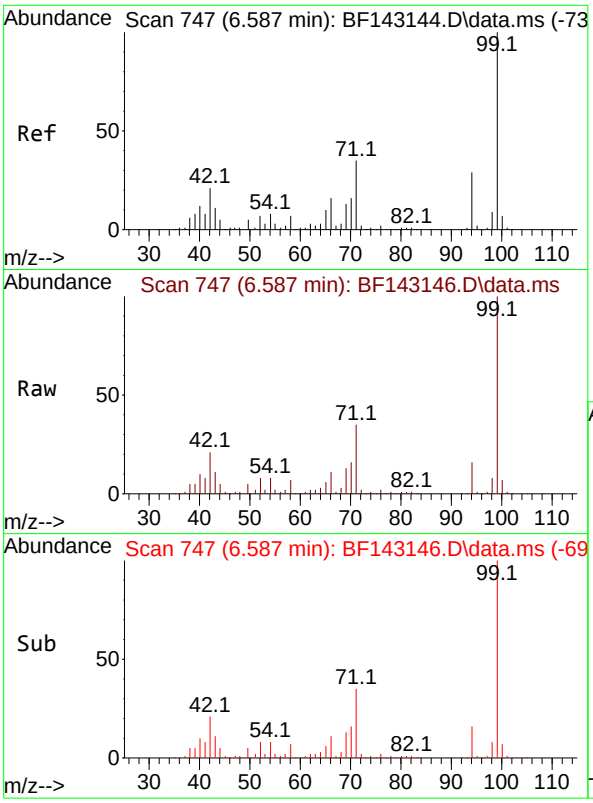


#6
Aniline
Concen: 57.896 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 982918

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.2	49.8
65	21.0	16.9	25.3



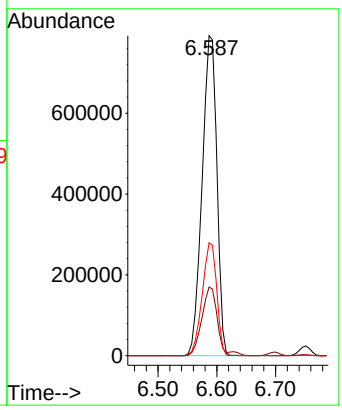


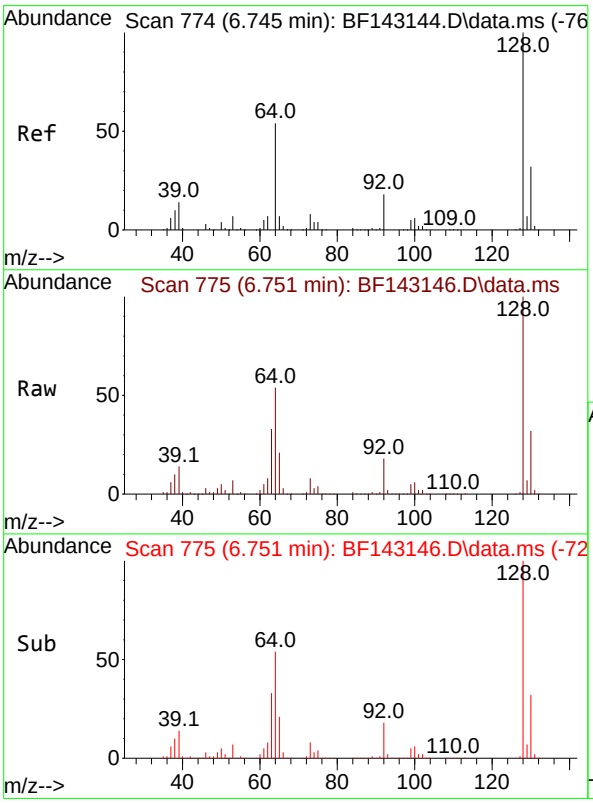
#7
Phenol-d6
Concen: 113.616 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1384010

Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	35.3	27.7	41.5

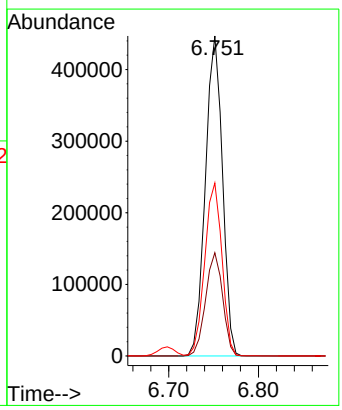


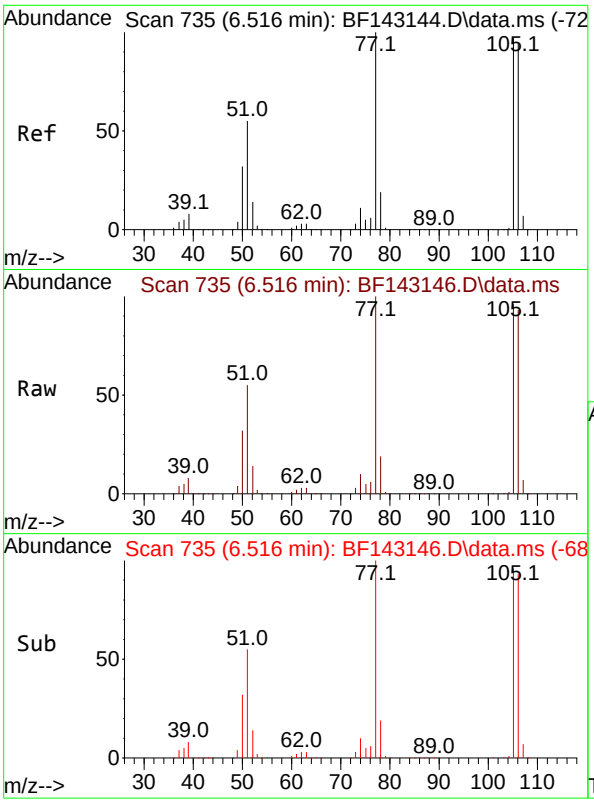


#8
2-Chlorophenol
Concen: 58.147 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:128 Resp: 589870

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	54.0	35.9	75.9



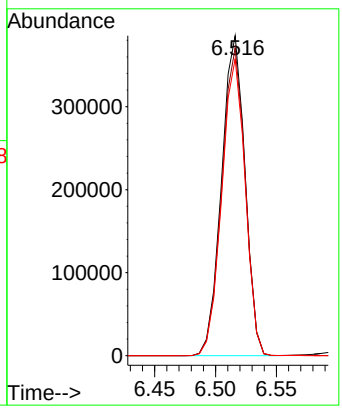


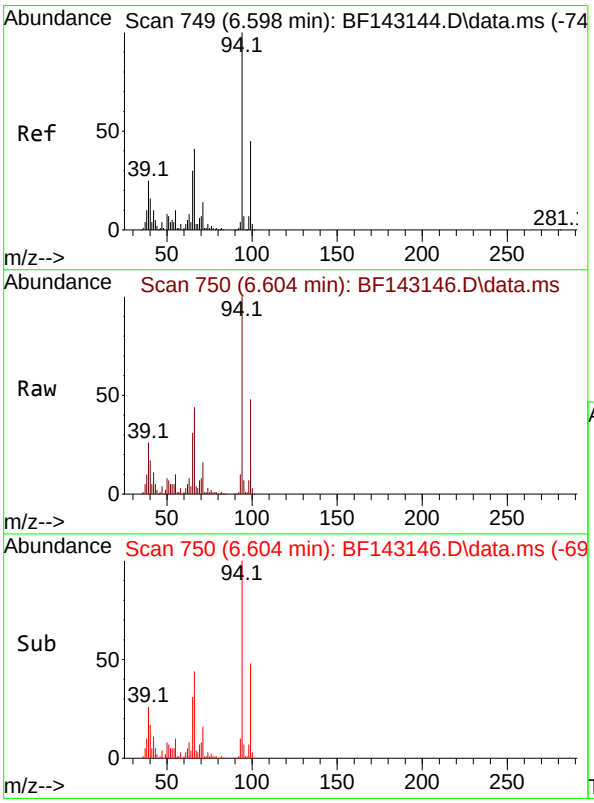
#9
Benzaldehyde
Concen: 56.445 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 515585

Ion	Ratio	Lower	Upper
77	100		
105	96.1	76.8	116.8
106	92.7	74.4	114.4

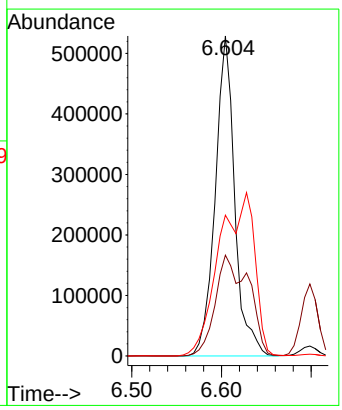


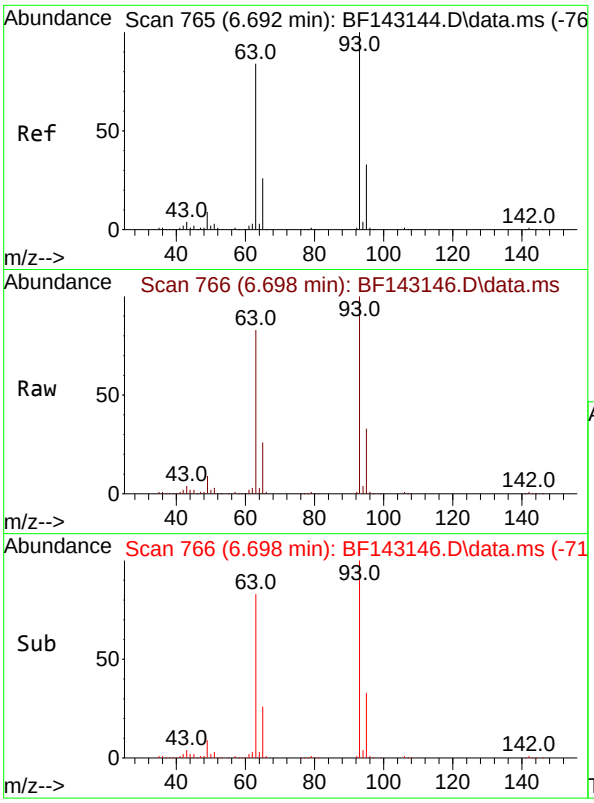


#10
Phenol
Concen: 60.123 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 94 Resp: 797860

Ion	Ratio	Lower	Upper
94	100		
65	31.5	10.0	50.0
66	44.0	20.8	60.8



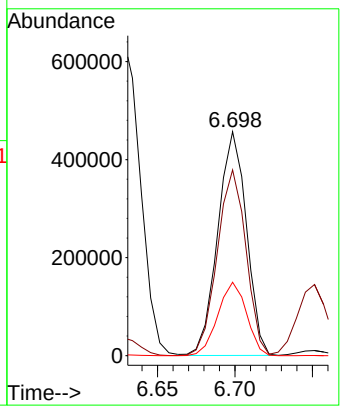


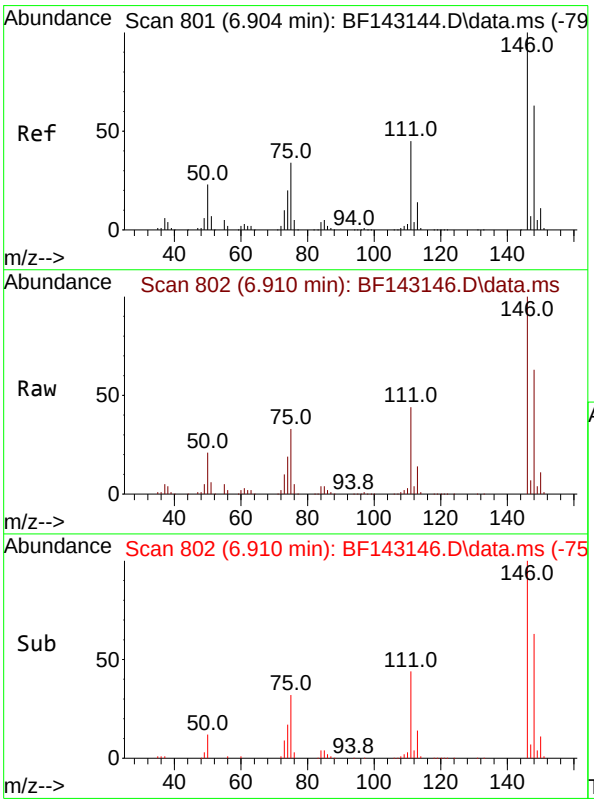
#11
bis(2-Chloroethyl)ether
Concen: 57.918 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 588491

Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.4	103.4
95	32.8	12.4	52.4

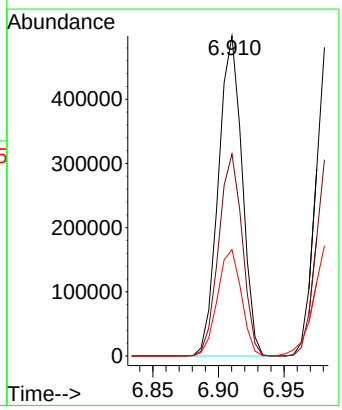


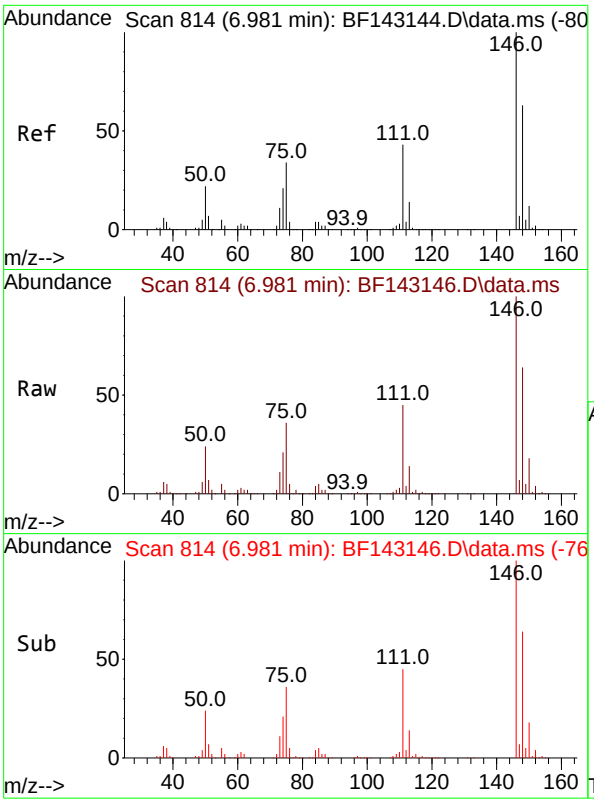


#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 625605

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.6	76.0
75	33.2	27.4	41.2



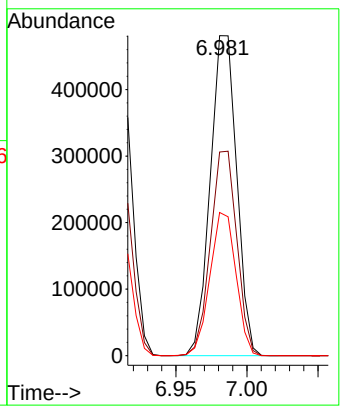


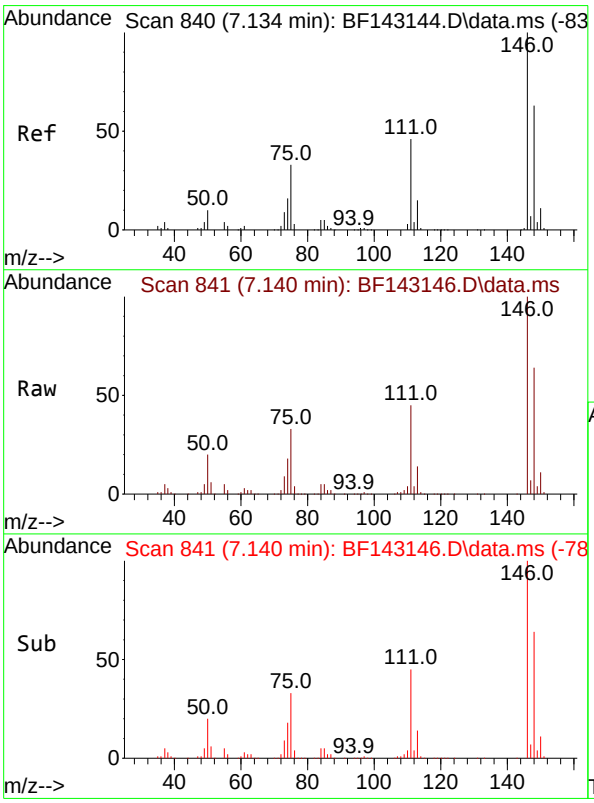
#13
1,4-Dichlorobenzene
Concen: 56.171 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 623375

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.3	75.5
111	44.7	34.4	51.6

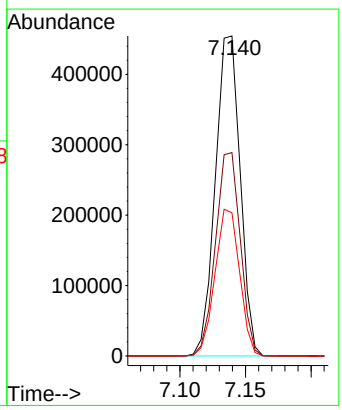


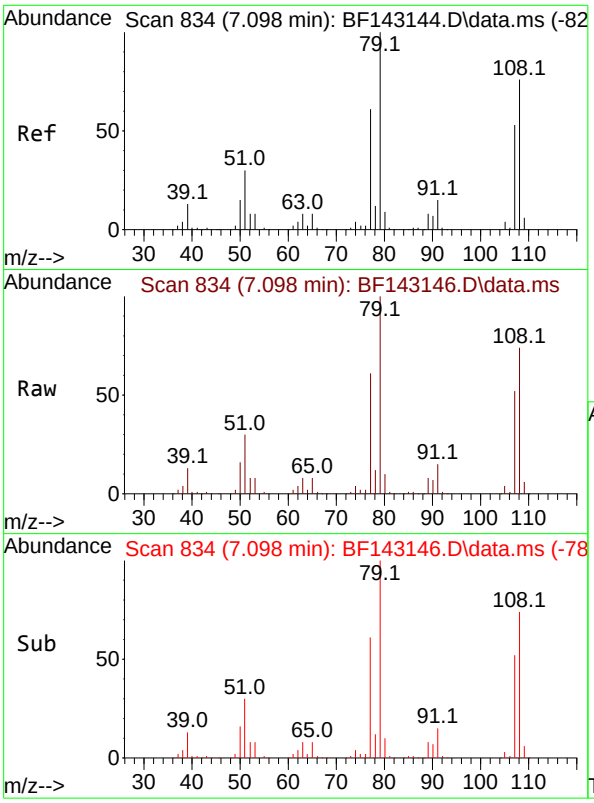


#14
1,2-Dichlorobenzene
Concen: 56.708 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:146 Resp: 598571

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.7	76.1
111	44.8	36.6	54.8



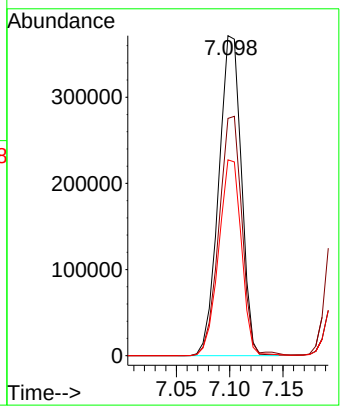


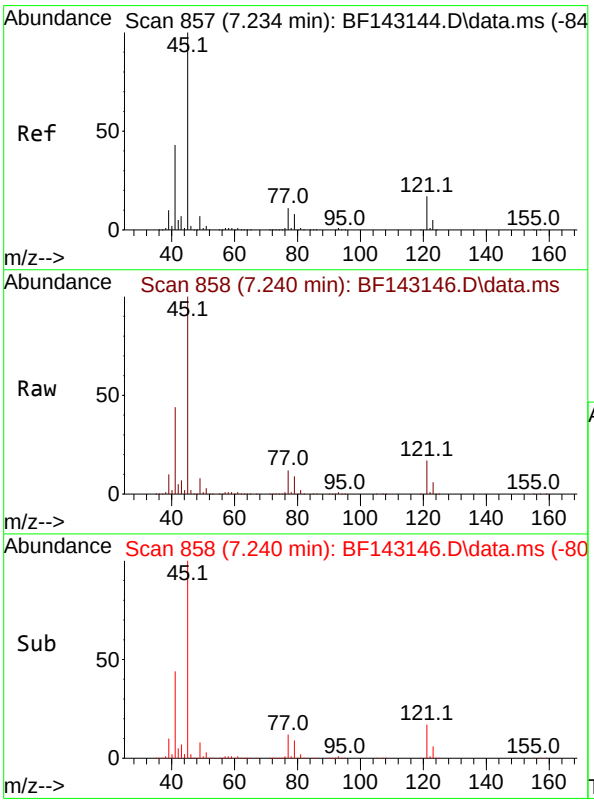
#15
Benzyl Alcohol
Concen: 58.934 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 548155

Ion	Ratio	Lower	Upper
79	100		
108	74.2	61.1	91.7
77	61.2	48.9	73.3

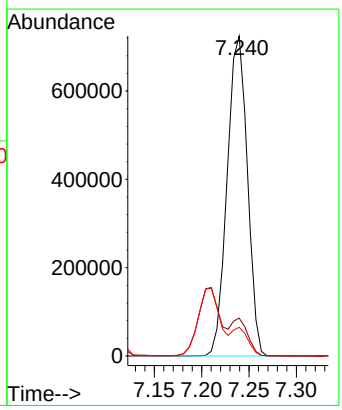


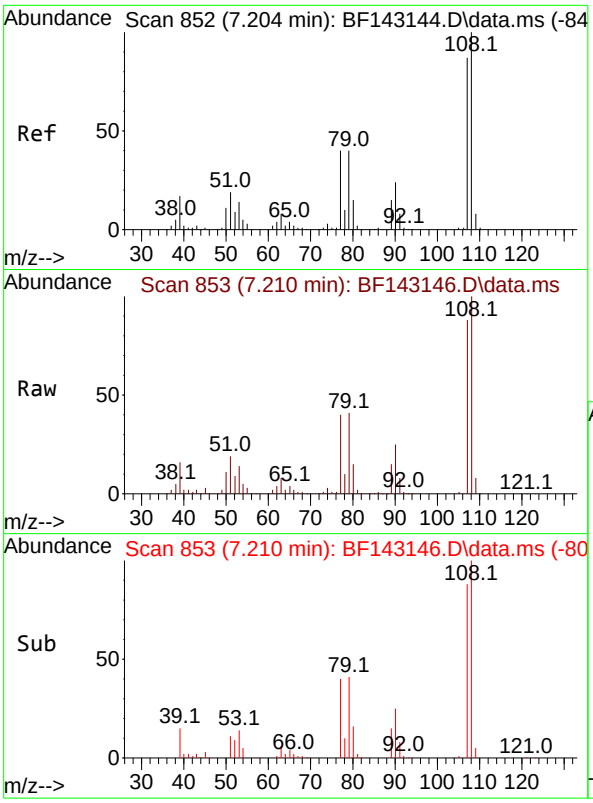


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.120 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 45 Resp: 1076628

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.2
79	9.0	0.0	28.5



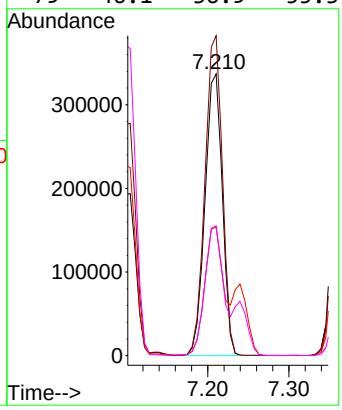


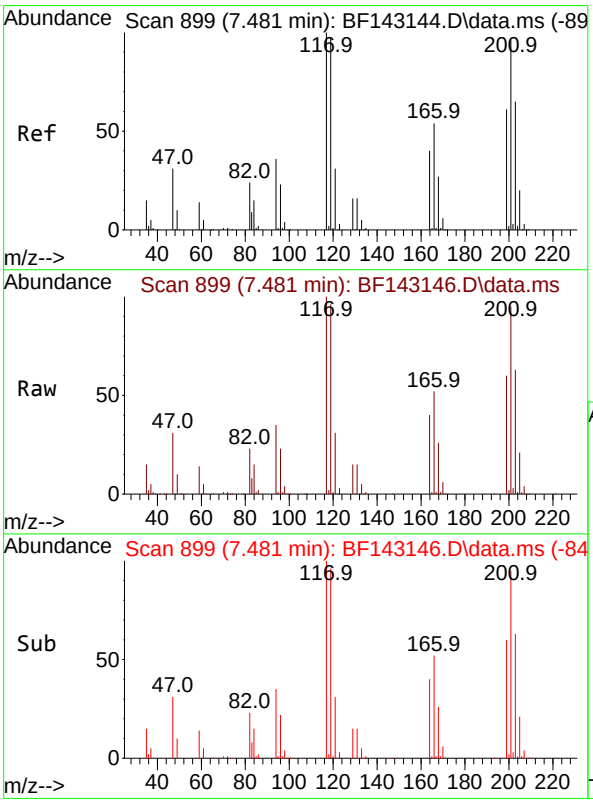
#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 498077

Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.8	137.6
77	45.6	37.0	55.6
79	46.1	36.9	55.3

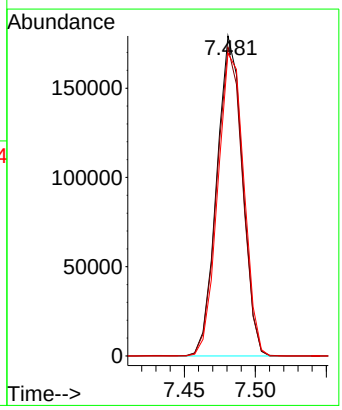


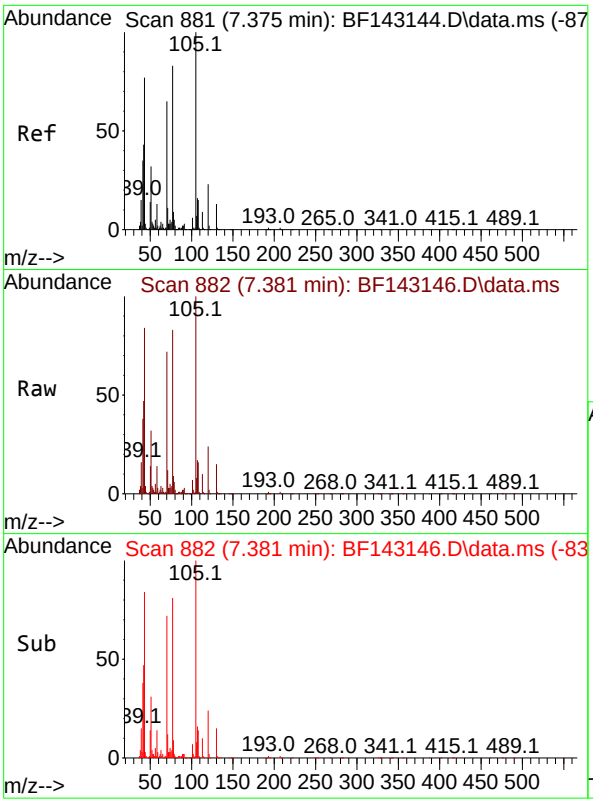


#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:117 Resp: 225488

Ion	Ratio	Lower	Upper
117	100		
119	96.5	77.8	116.8
201	94.6	77.0	115.4



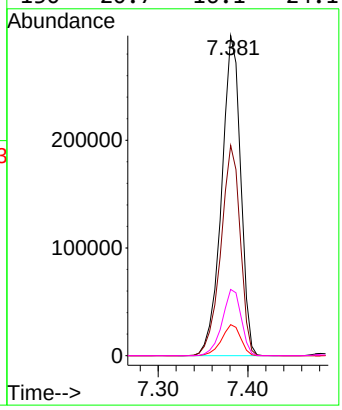


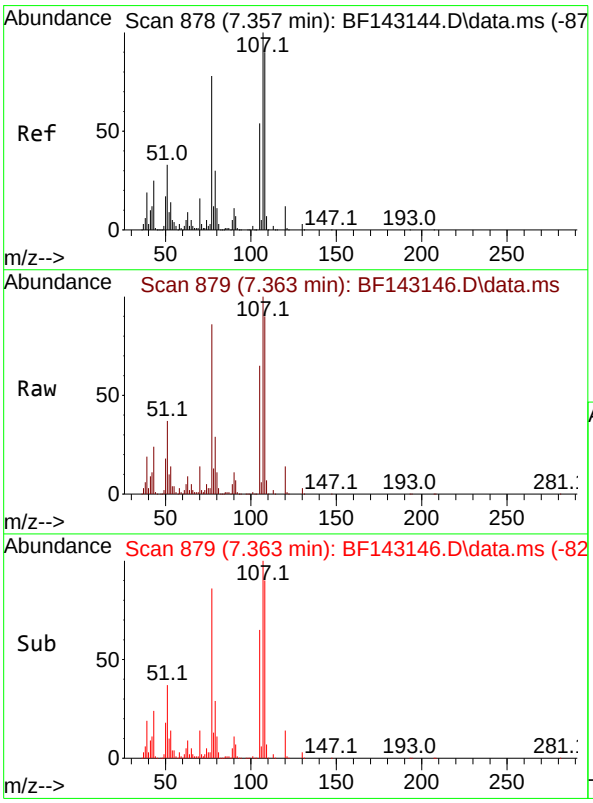
#19
n-Nitroso-di-n-propylamine
Concen: 56.012 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 437750

Ion	Ratio	Lower	Upper
70	100		
42	65.7	52.5	78.7
101	9.7	7.6	11.4
130	20.7	16.1	24.1

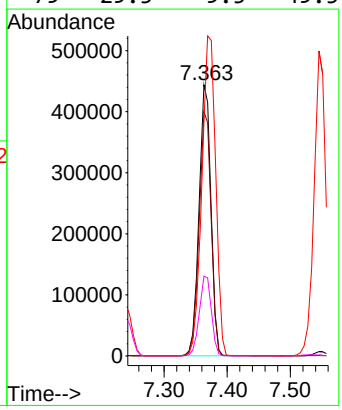


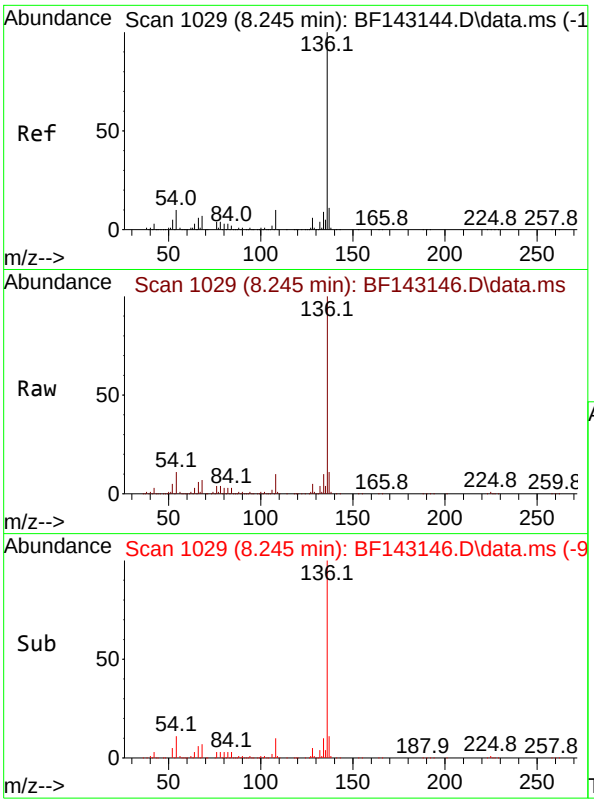


#20
3+4-Methylphenols
Concen: 56.273 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 582354

Ion	Ratio	Lower	Upper
107	100		
108	90.1	70.0	110.0
77	86.3	57.8	97.8
79	29.5	9.5	49.5



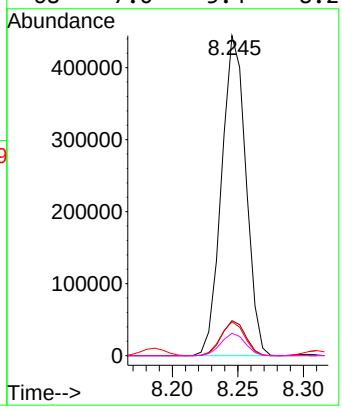


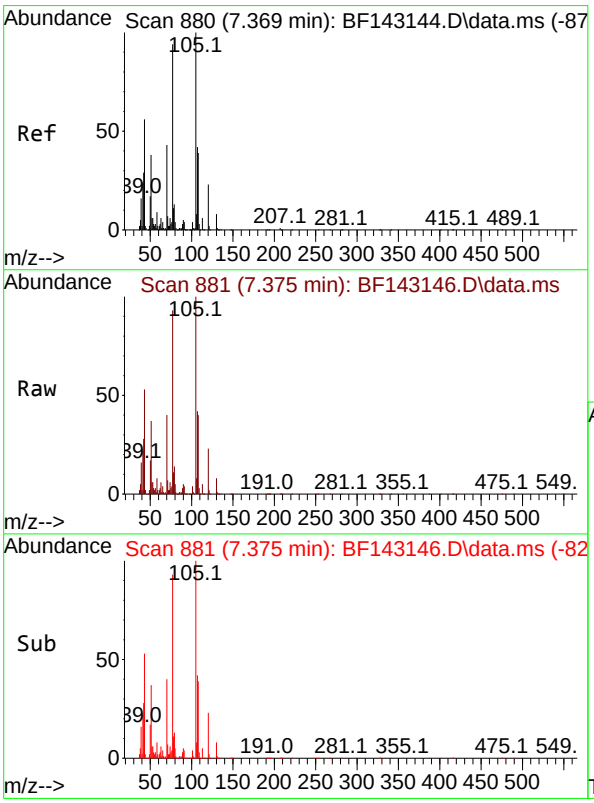
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 573541

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.0	5.4	8.2

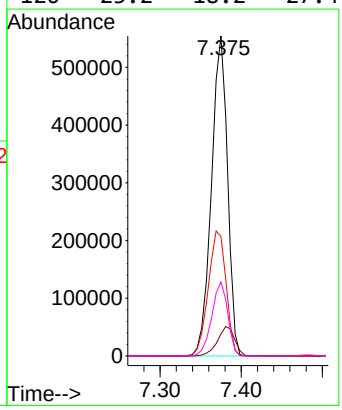


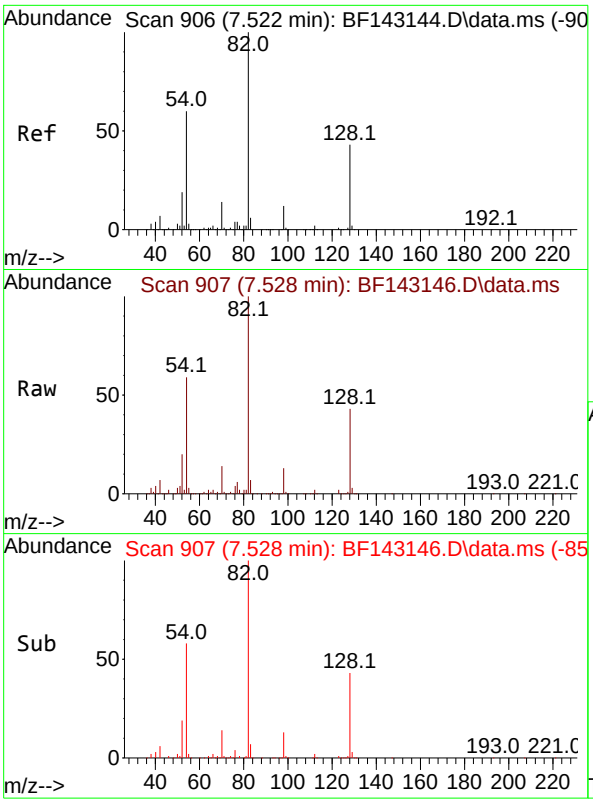


#22
Acetophenone
Concen: 56.041 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:105 Resp: 760969

Ion	Ratio	Lower	Upper
105	100		
71	6.9	5.8	8.6
51	37.4	30.2	45.2
120	23.2	18.2	27.4



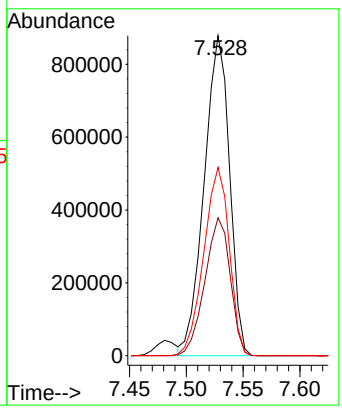


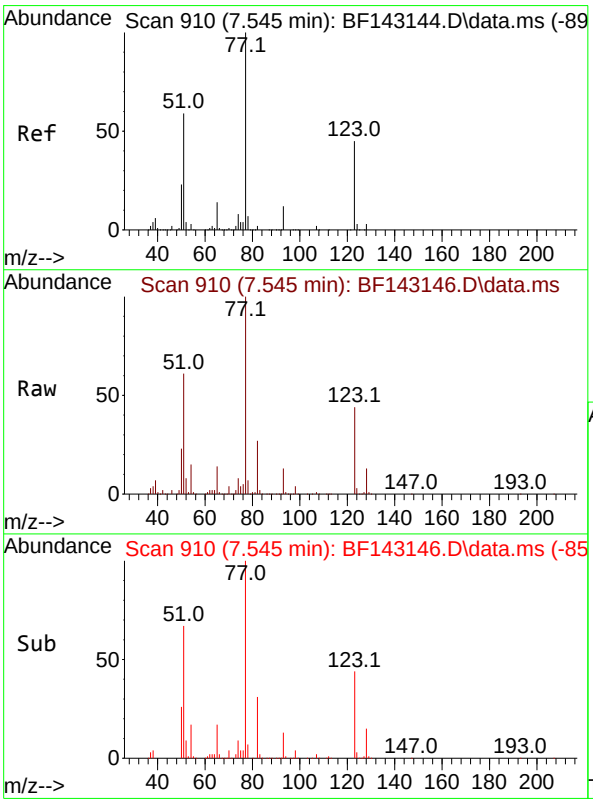
#23
Nitrobenzene-d5
Concen: 118.809 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1367018

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.9	47.1	70.7

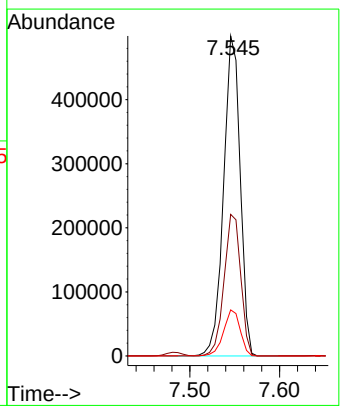


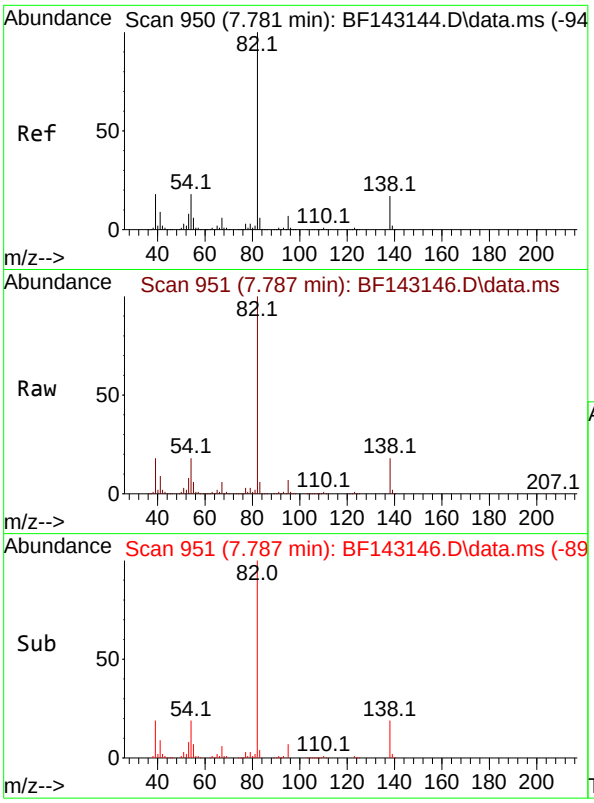


#24
Nitrobenzene
Concen: 59.832 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 77 Resp: 641832

Ion	Ratio	Lower	Upper
77	100		
123	44.3	36.1	54.1
65	14.4	11.4	17.2



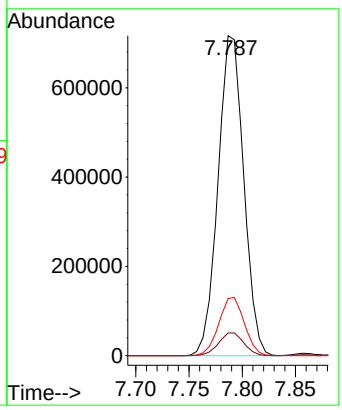


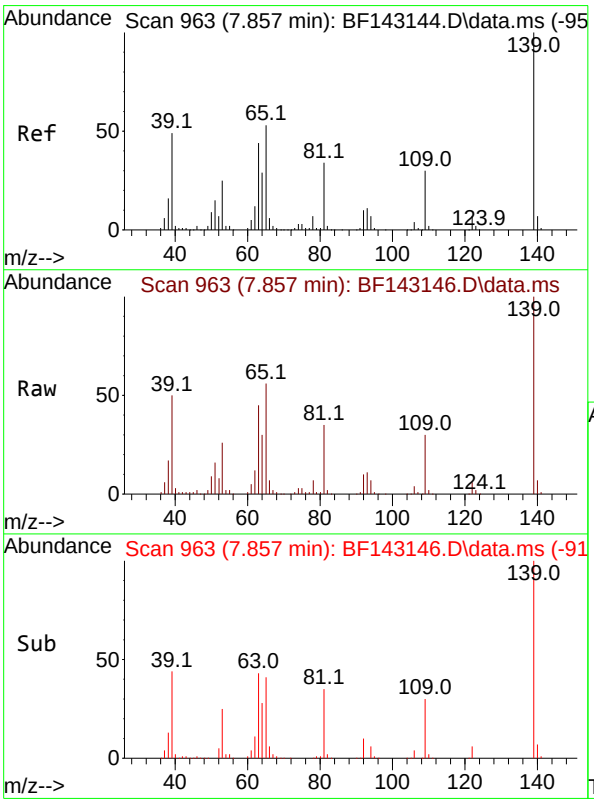
#25
Isophorone
Concen: 59.202 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1202506

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.9	13.8	20.8

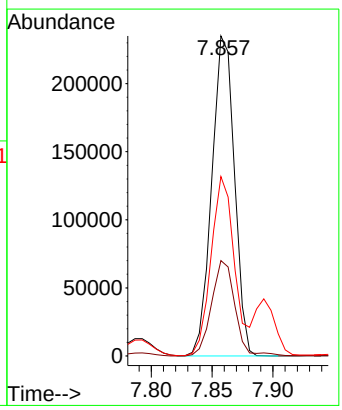


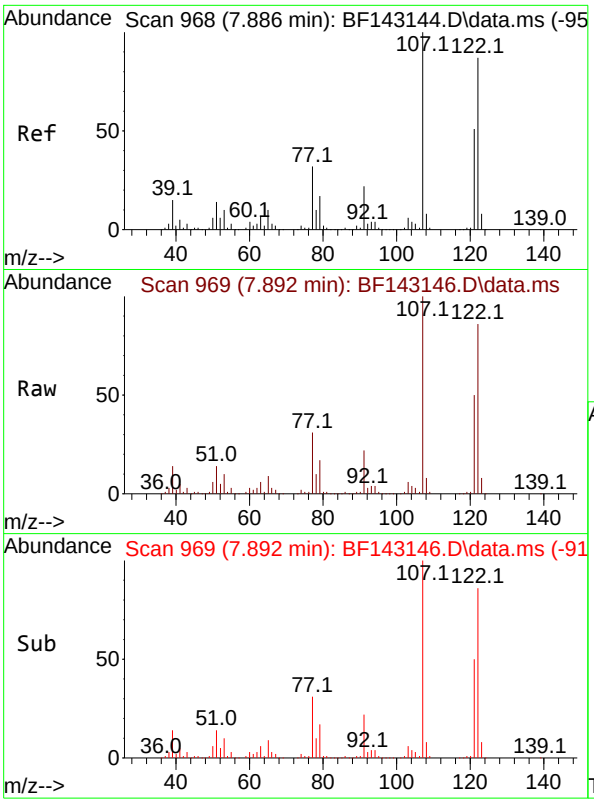


#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 304218

Ion	Ratio	Lower	Upper
139	100		
109	29.8	23.6	35.4
65	56.0	42.6	64.0



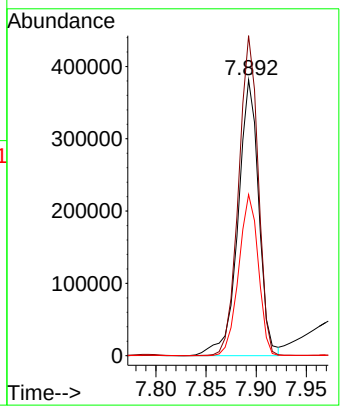


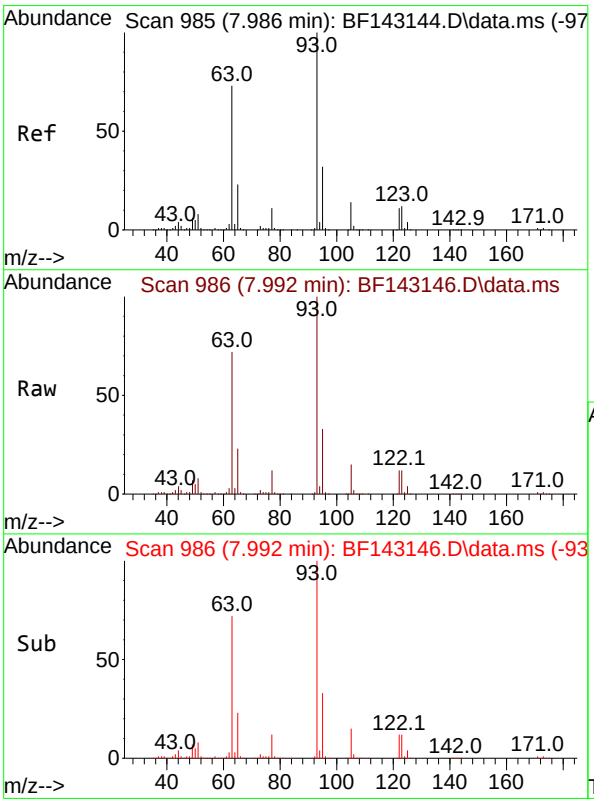
#27
2,4-Dimethylphenol
Concen: 57.833 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 548823

Ion	Ratio	Lower	Upper
122	100		
107	116.0	91.8	137.6
121	58.4	46.3	69.5

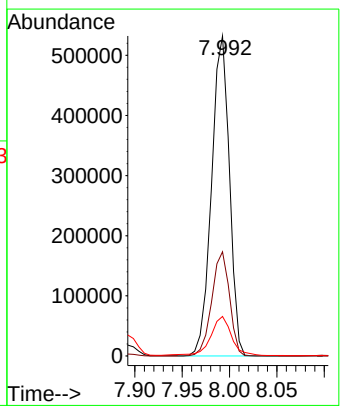


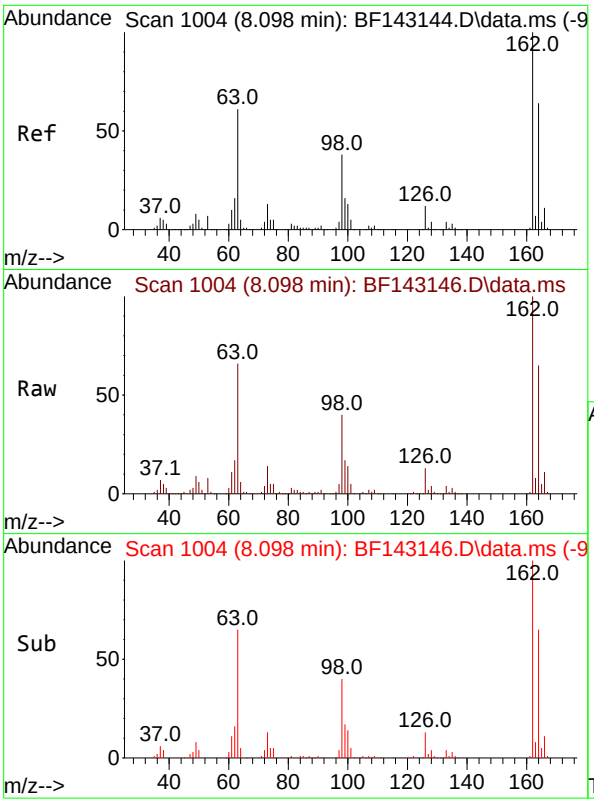


#28
bis(2-Chloroethoxy)methane
Concen: 57.184 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 93 Resp: 696403

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.6
123	12.4	9.7	14.5



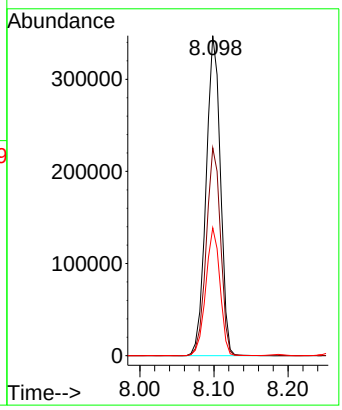


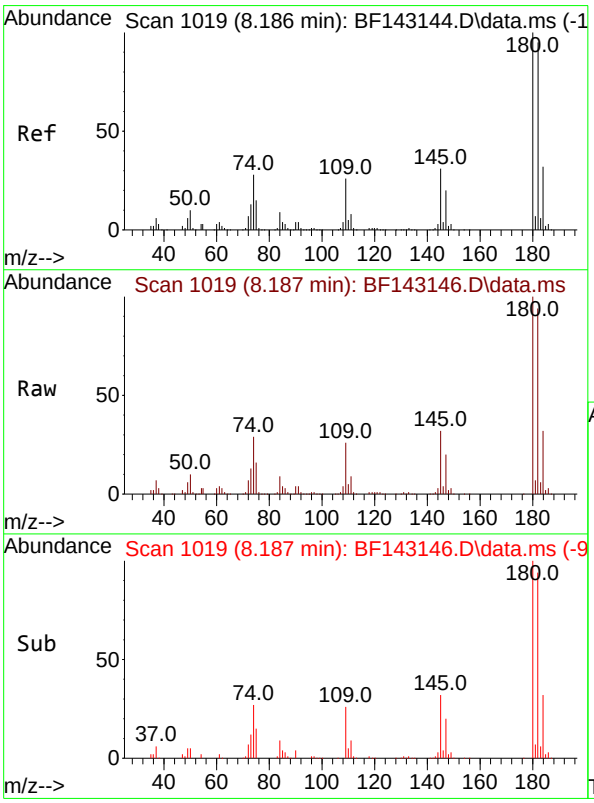
#29
2,4-Dichlorophenol
Concen: 58.329 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 466809

Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.2	84.2
98	39.9	17.9	57.9

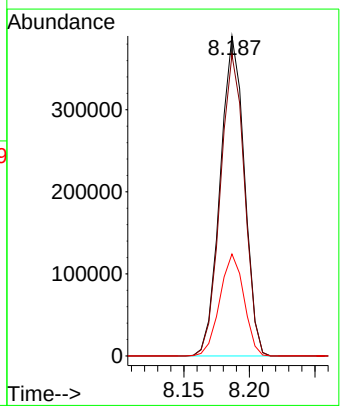


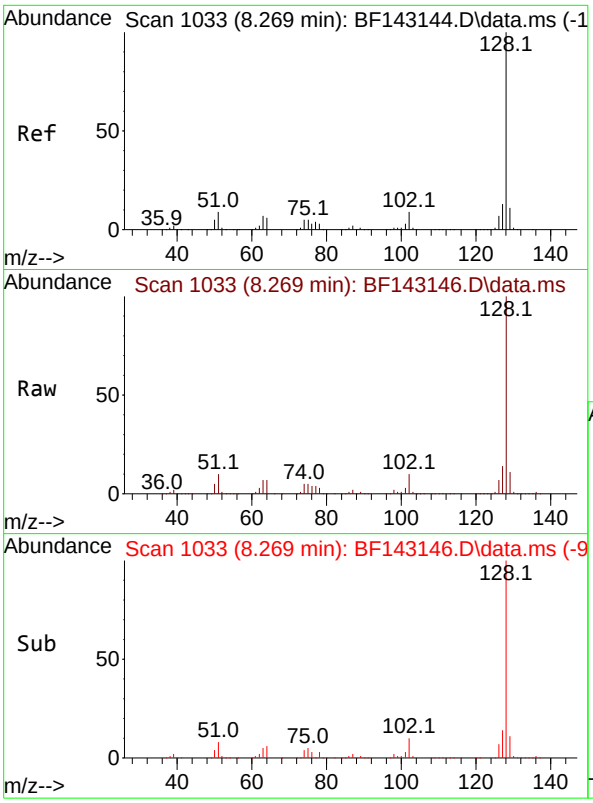


#30
1,2,4-Trichlorobenzene
Concen: 57.653 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:180 Resp: 498478

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.2
145	31.8	25.0	37.6



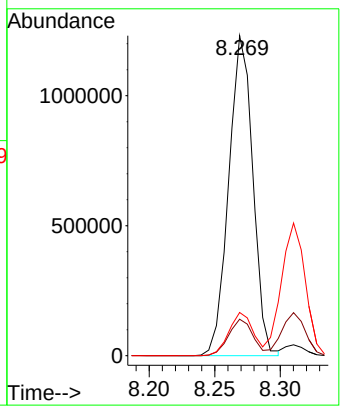


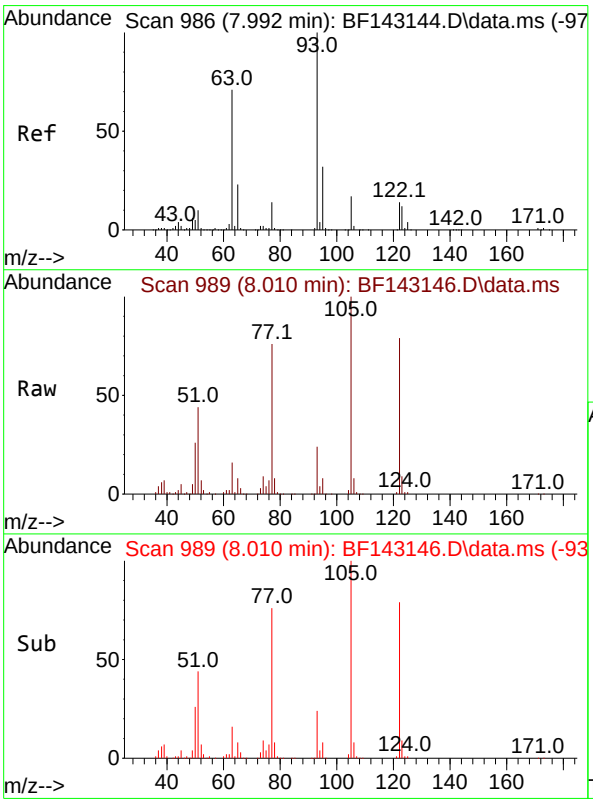
#31
Naphthalene
Concen: 55.784 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1575696

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.5	10.6	16.0

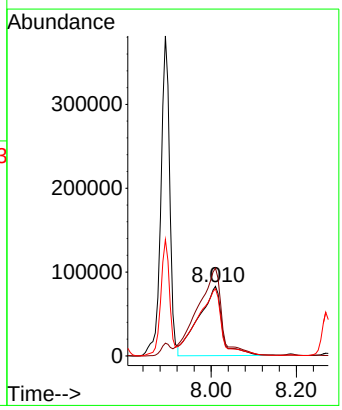


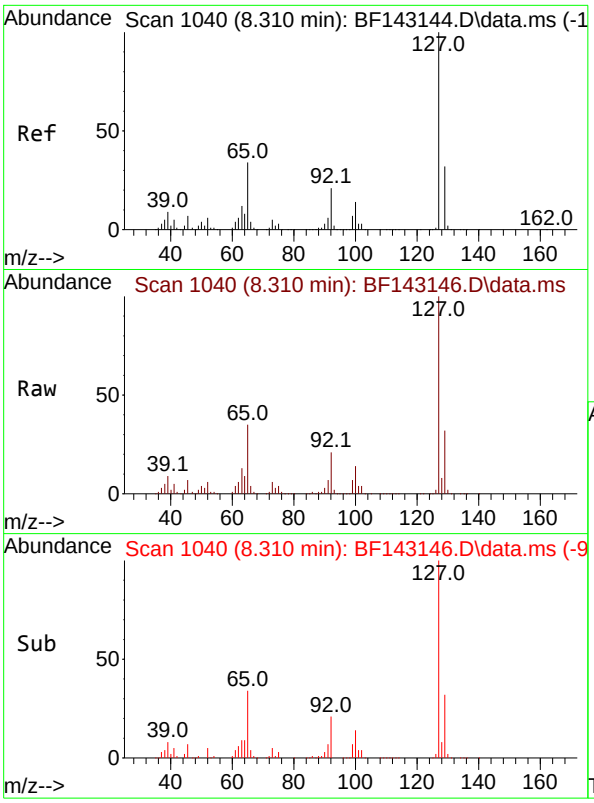


#32
Benzoic acid
Concen: 58.961 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:122 Resp: 321703

Ion	Ratio	Lower	Upper
122	100		
105	126.3	104.8	144.8
77	96.5	77.6	117.6



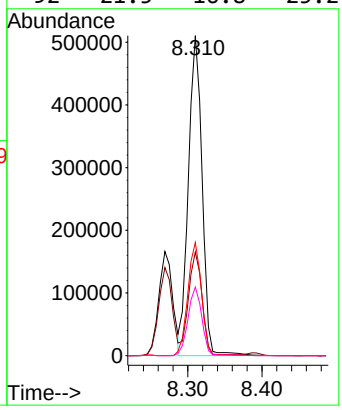


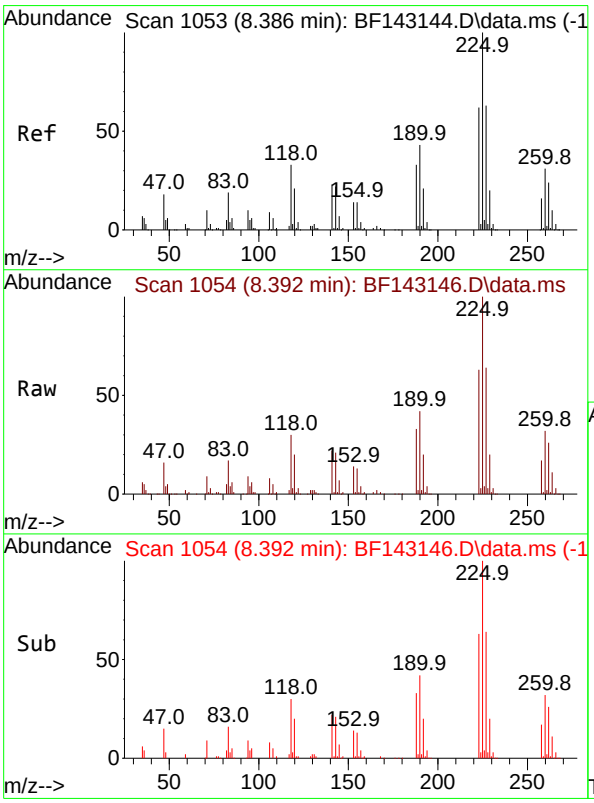
#33
4-Chloroaniline
Concen: 57.178 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 659467

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	35.3	27.4	41.2
92	21.5	16.8	25.2

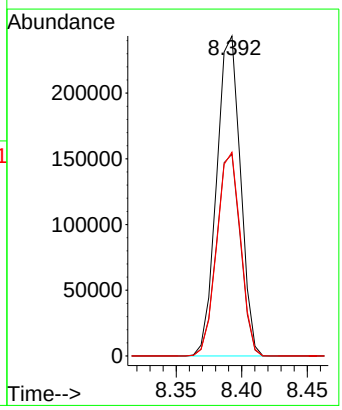


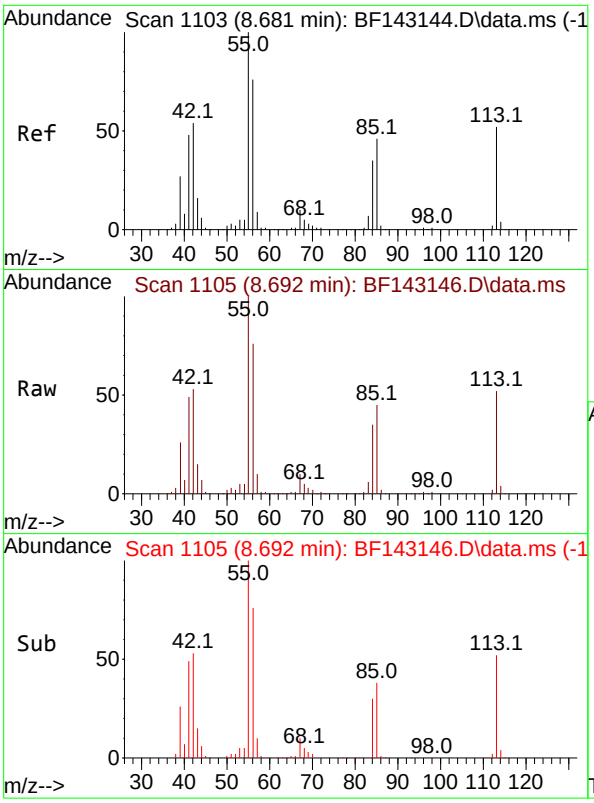


#34
Hexachlorobutadiene
Concen: 58.230 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:225 Resp: 307552

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.8	74.6
227	63.7	50.2	75.4



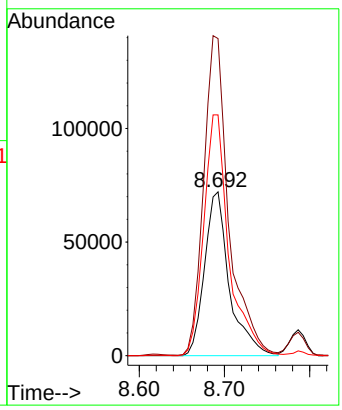


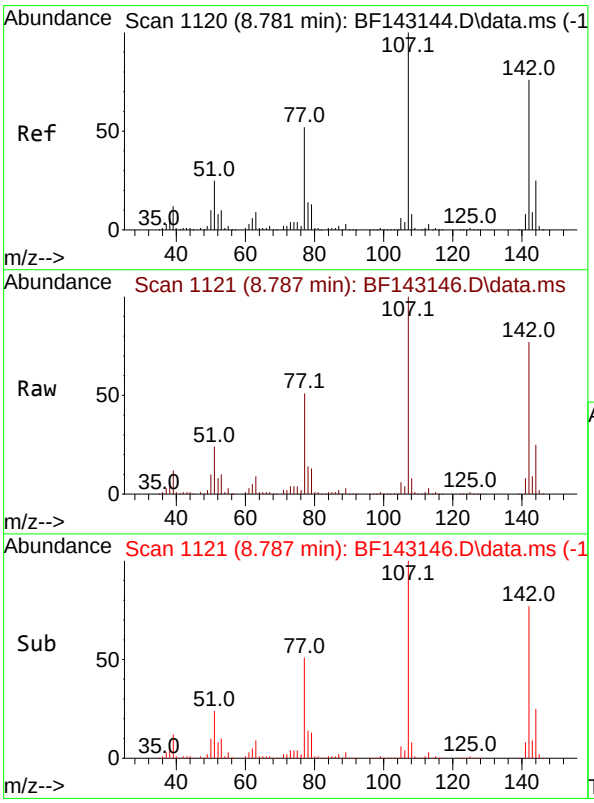
#35
Caprolactam
Concen: 60.327 ng
RT: 8.692 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 145894

Ion	Ratio	Lower	Upper
113	100		
55	193.5	174.0	214.0
56	146.9	126.6	166.6

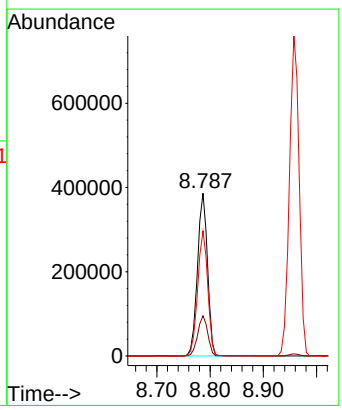


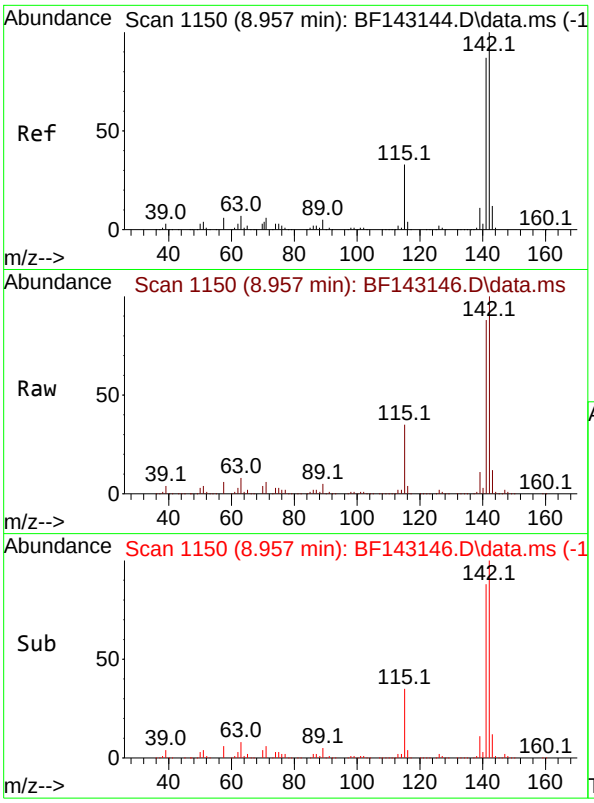


#36
4-Chloro-3-methylphenol
Concen: 58.186 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 506142

Ion	Ratio	Lower	Upper
107	100		
144	24.7	19.8	29.6
142	76.9	60.6	90.8



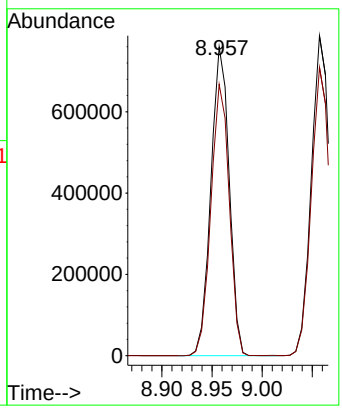


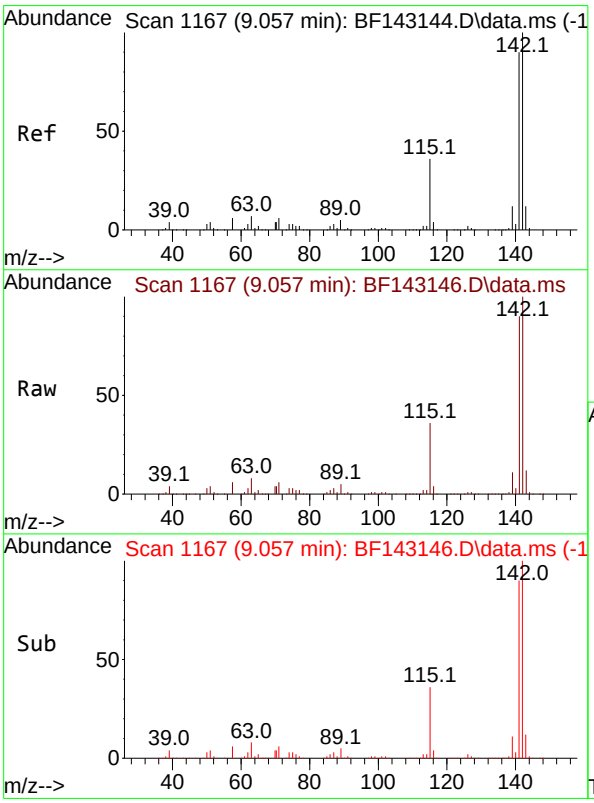
#37
2-Methylnaphthalene
Concen: 56.203 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 966031

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.9	104.9

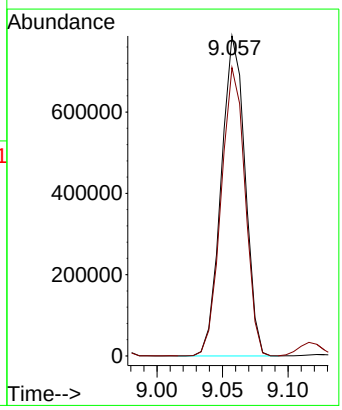


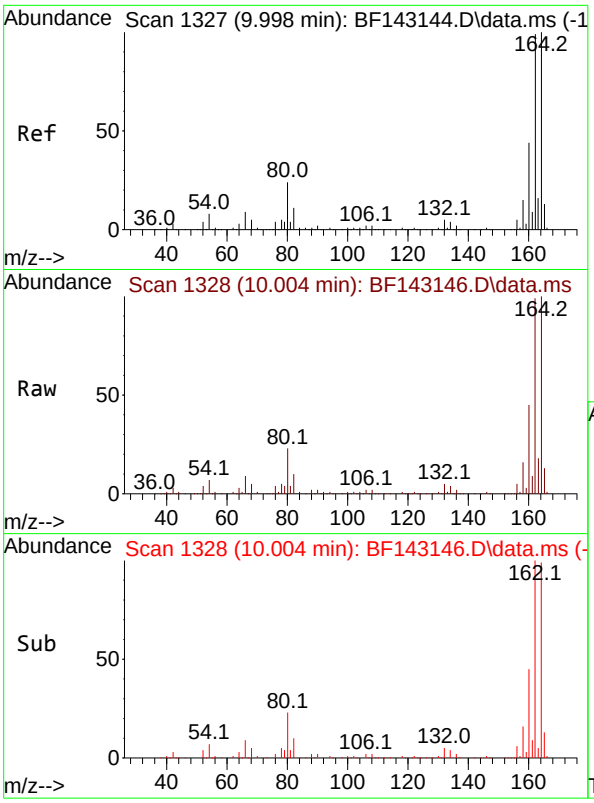


#38
1-Methylnaphthalene
Concen: 56.329 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:142 Resp: 997009

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.3	108.5



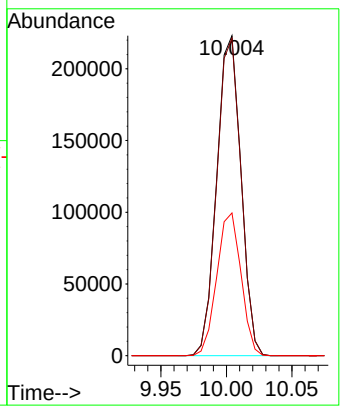


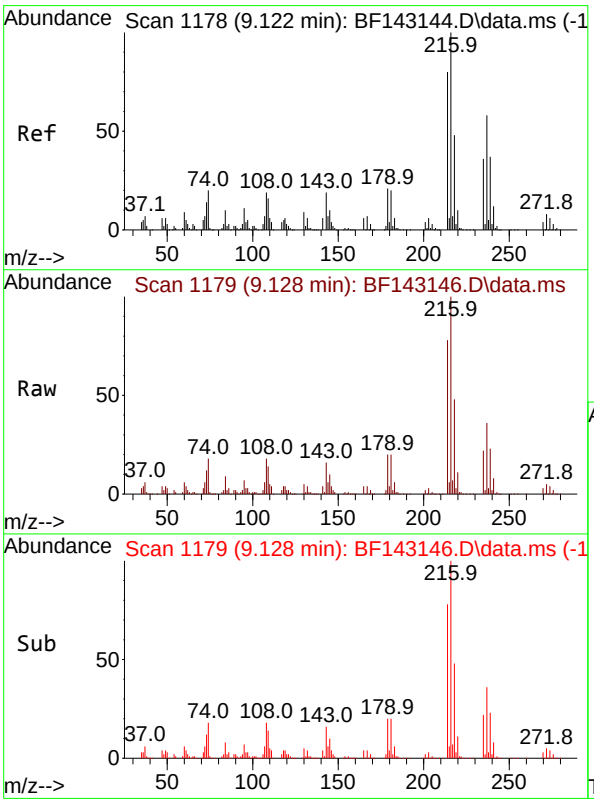
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 286544

Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	44.6	35.1	52.7

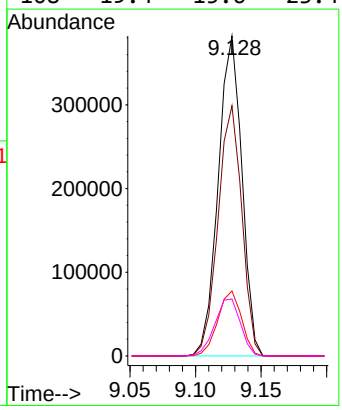


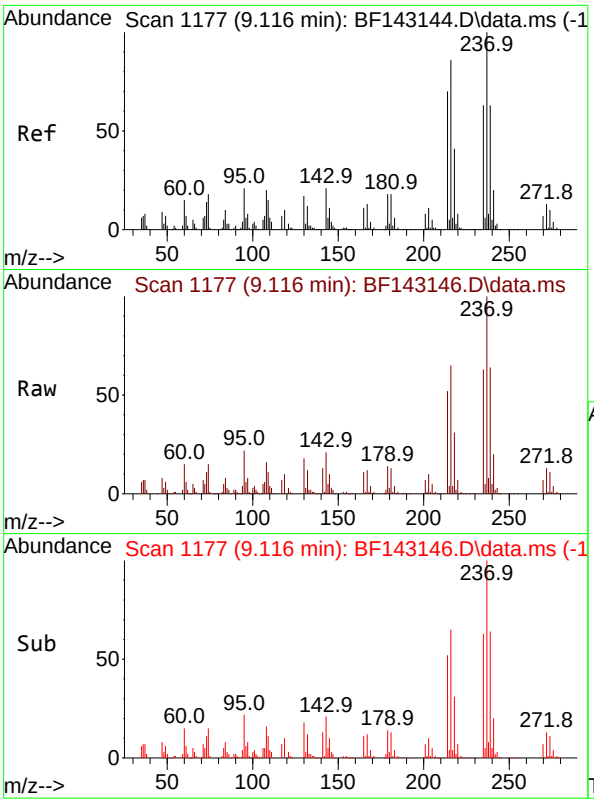


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.955 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:216 Resp: 479450

Ion	Ratio	Lower	Upper
216	100		
214	78.4	63.8	95.8
179	20.4	16.4	24.6
108	19.4	15.6	23.4



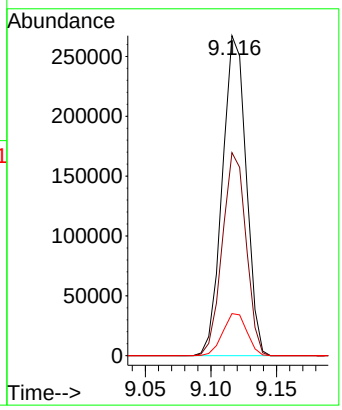


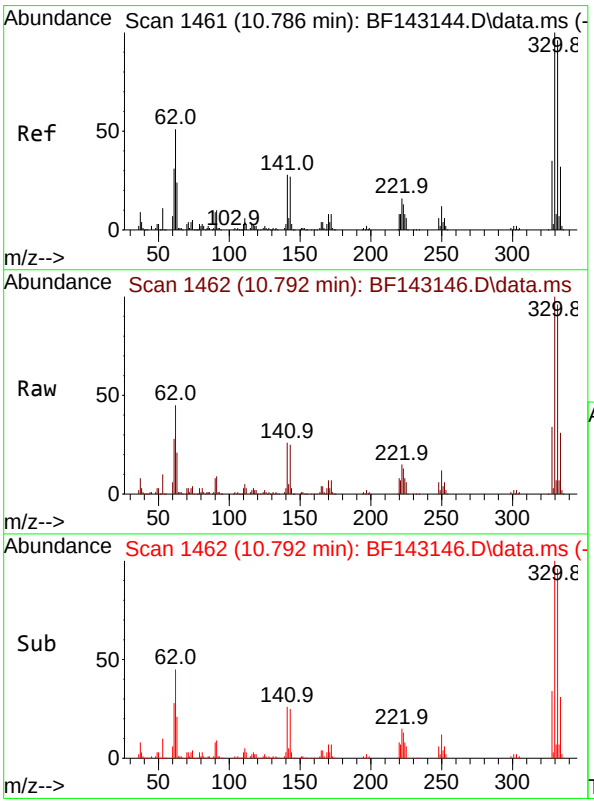
#41
Hexachlorocyclopentadiene
Concen: 62.761 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 337833

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.0	83.0
272	13.2	0.0	33.3

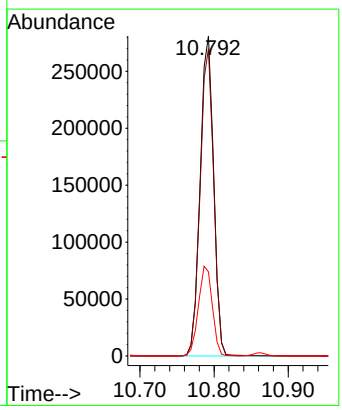


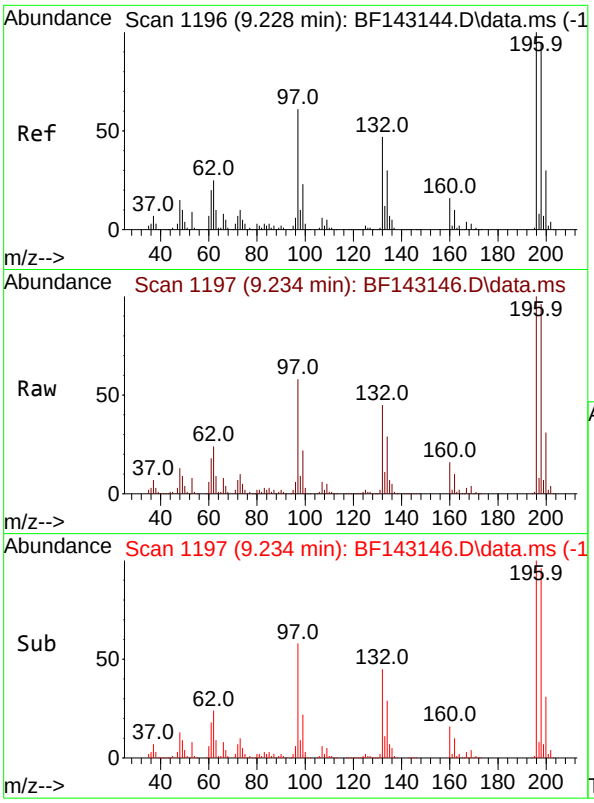


#42
2,4,6-Tribromophenol
Concen: 119.817 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:330 Resp: 354678

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.7	115.1
141	28.9	23.3	34.9



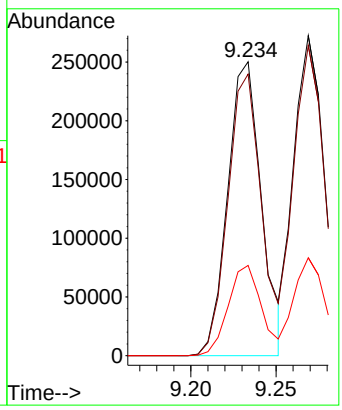


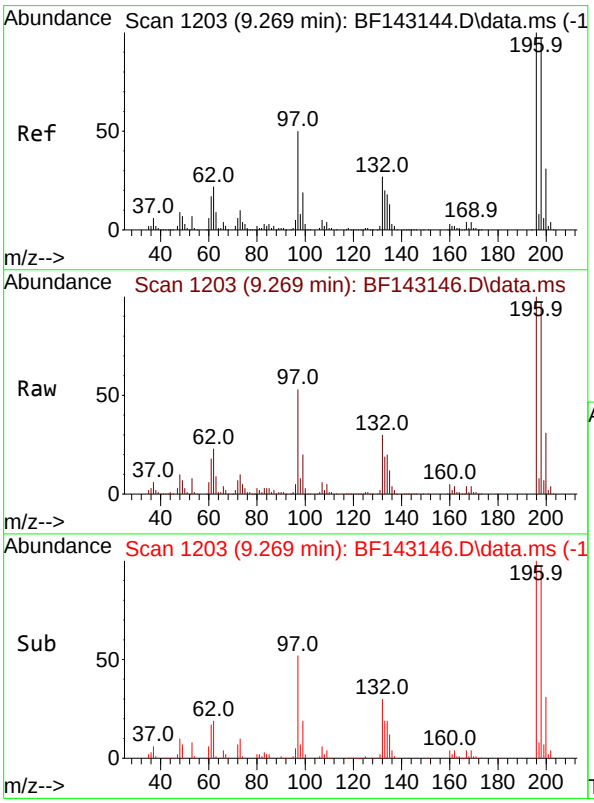
#43
2,4,6-Trichlorophenol
Concen: 60.246 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 344941

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.2
200	30.7	23.9	35.9

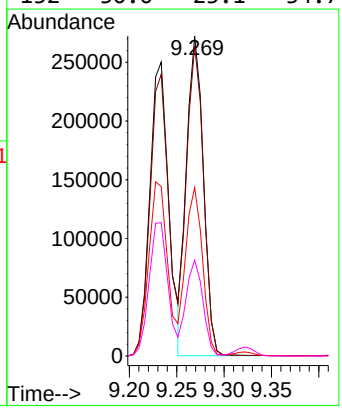


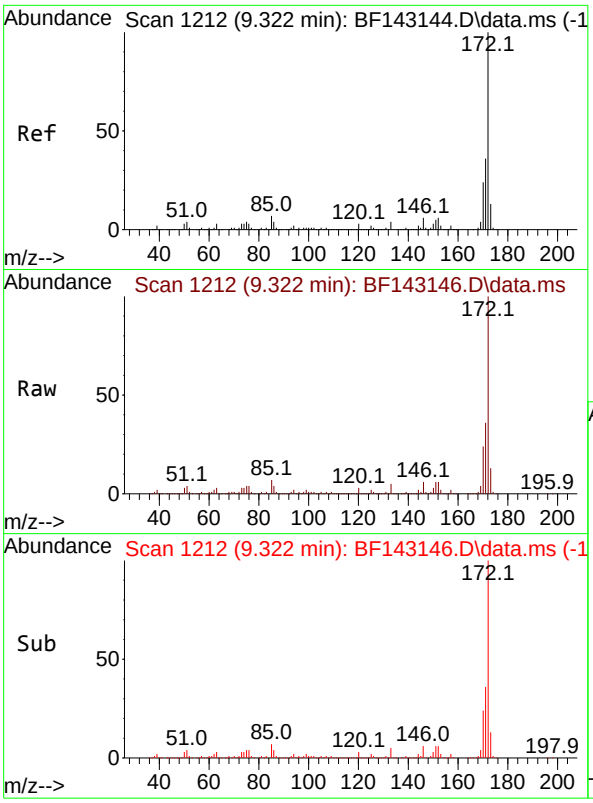


#44
2,4,5-Trichlorophenol
Concen: 59.305 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:196 Resp: 339656

Ion	Ratio	Lower	Upper
196	100		
198	96.9	77.3	115.9
97	52.6	40.3	60.5
132	30.0	23.1	34.7



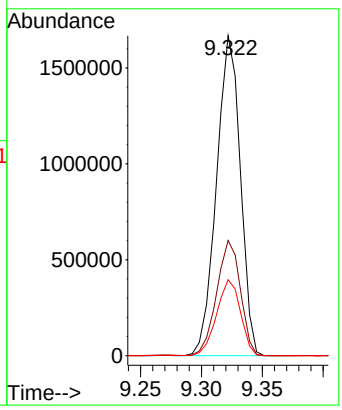


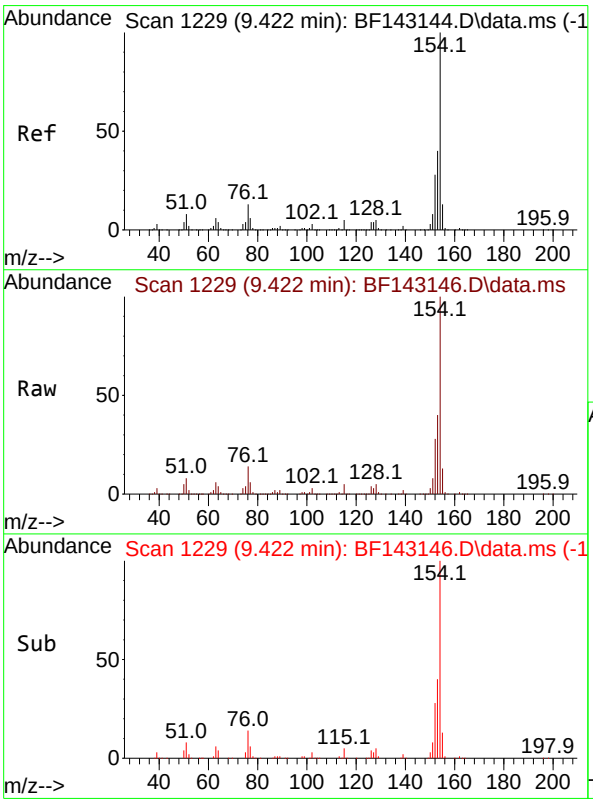
#45
2-Fluorobiphenyl
Concen: 108.558 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 2274500

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	23.7	18.8	28.2

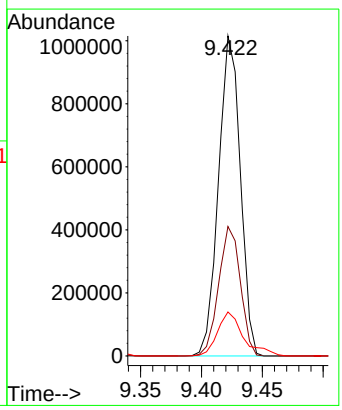


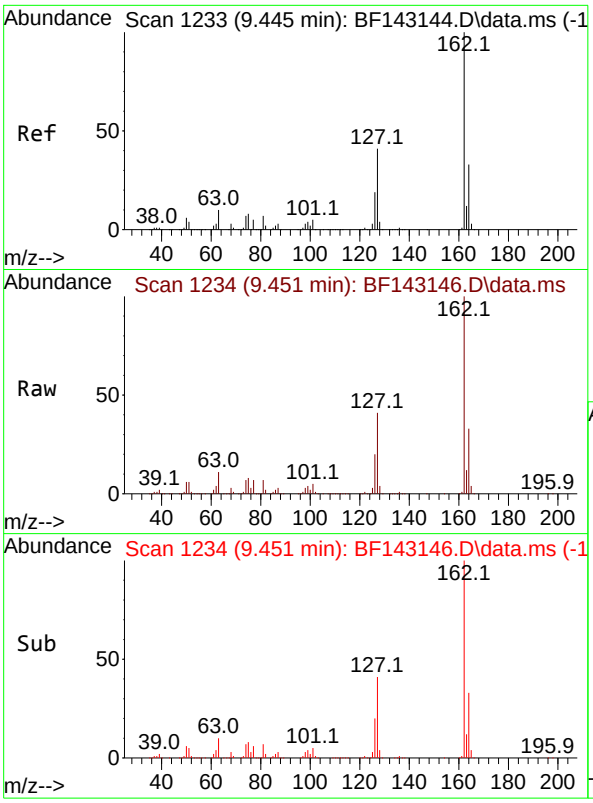


#46
1,1'-Biphenyl
Concen: 56.610 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:154 Resp: 1265588

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.7	0.0	33.3



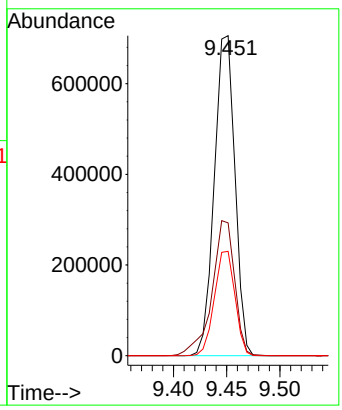


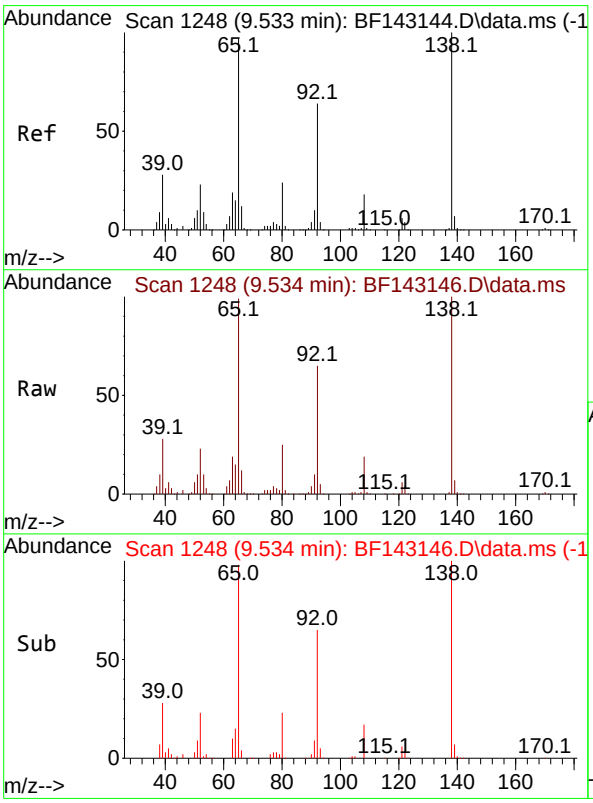
#47
2-Chloronaphthalene
Concen: 57.364 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 948912

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.6	26.2	39.2

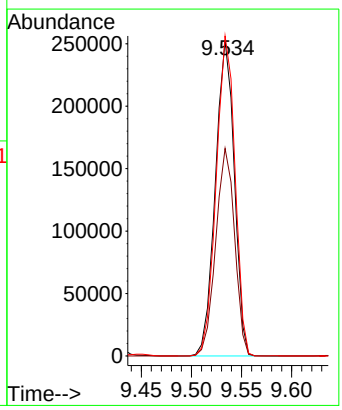


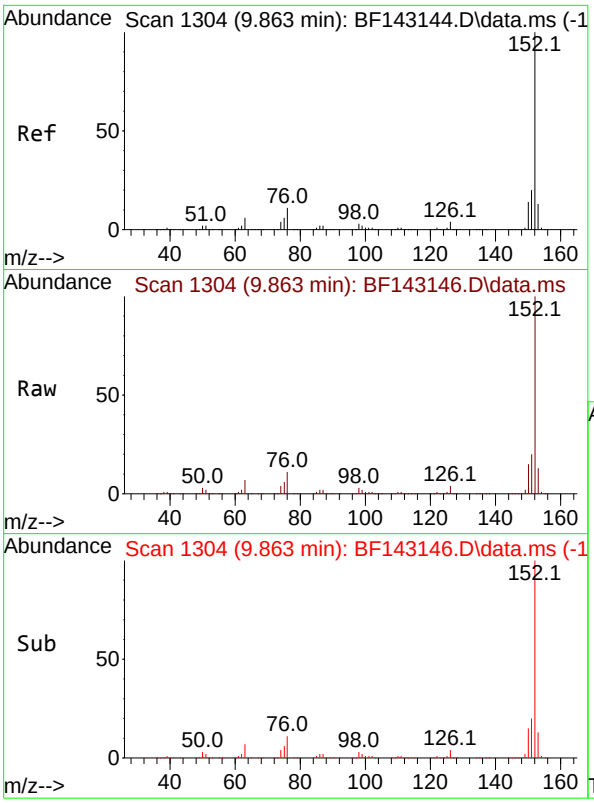


#48
2-Nitroaniline
Concen: 63.904 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 65 Resp: 331501

Ion	Ratio	Lower	Upper
65	100		
92	65.8	52.4	78.6
138	101.5	82.3	123.5



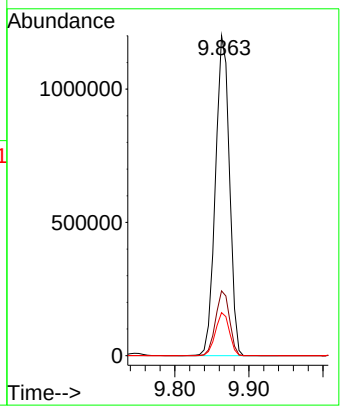


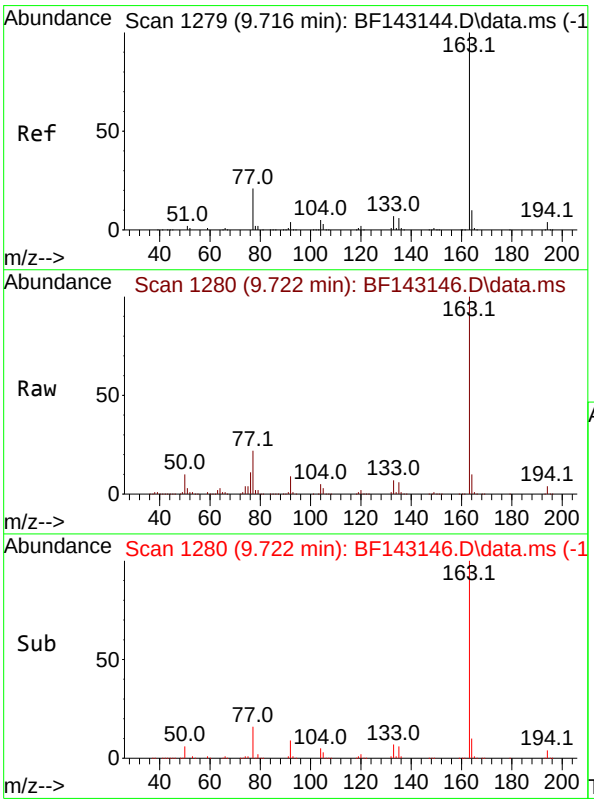
#49
Acenaphthylene
Concen: 56.860 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1576240

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.5	10.6	16.0

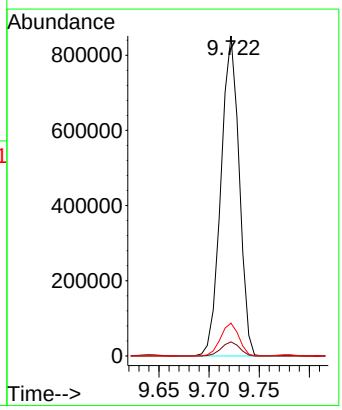


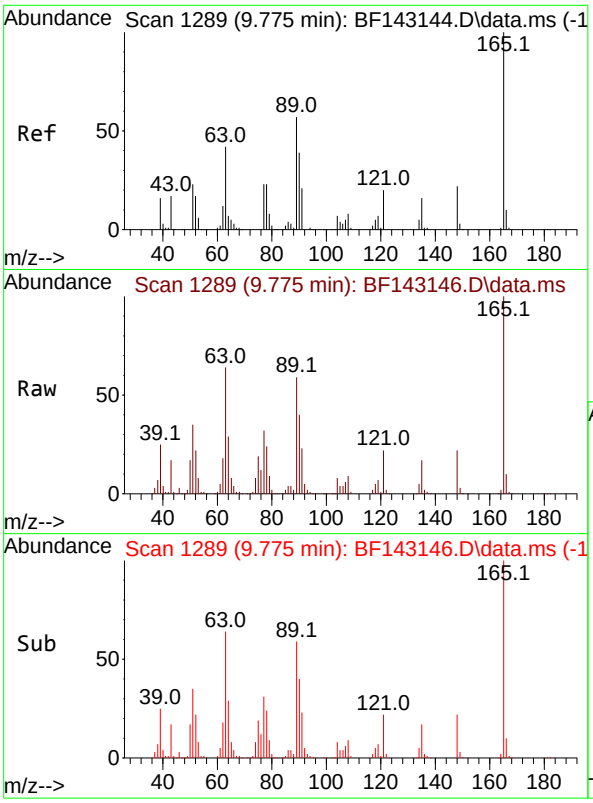


#50
Dimethylphthalate
Concen: 57.558 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:163 Resp: 1075052

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.3	8.3	12.5



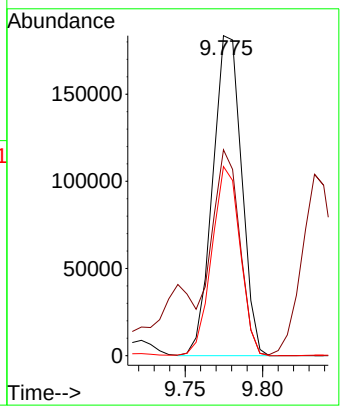


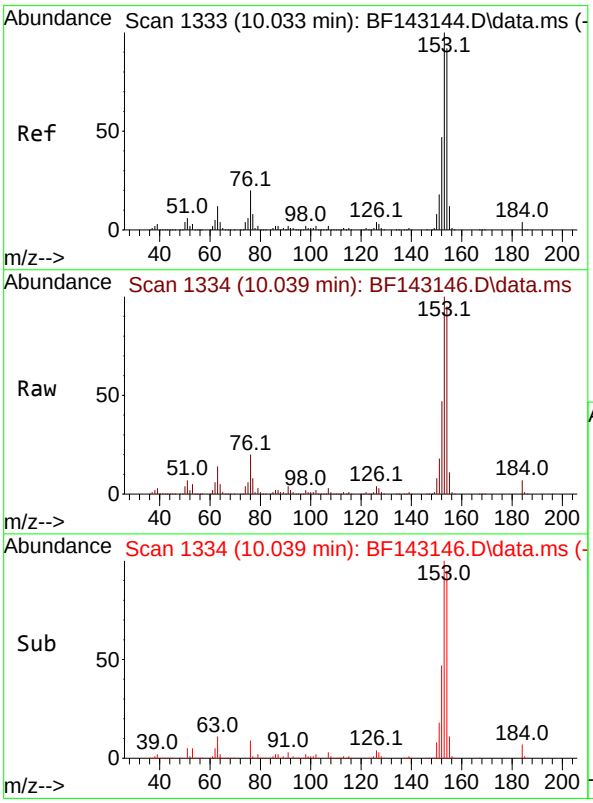
#51
2,6-Dinitrotoluene
Concen: 62.665 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 238103

Ion	Ratio	Lower	Upper
165	100		
63	64.4	49.4	74.2
89	59.1	46.2	69.2

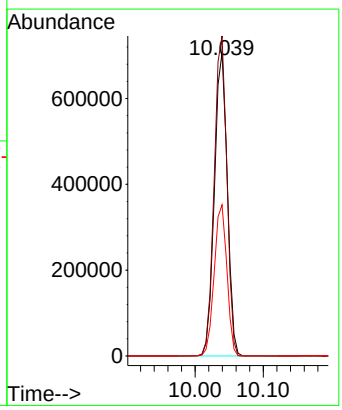


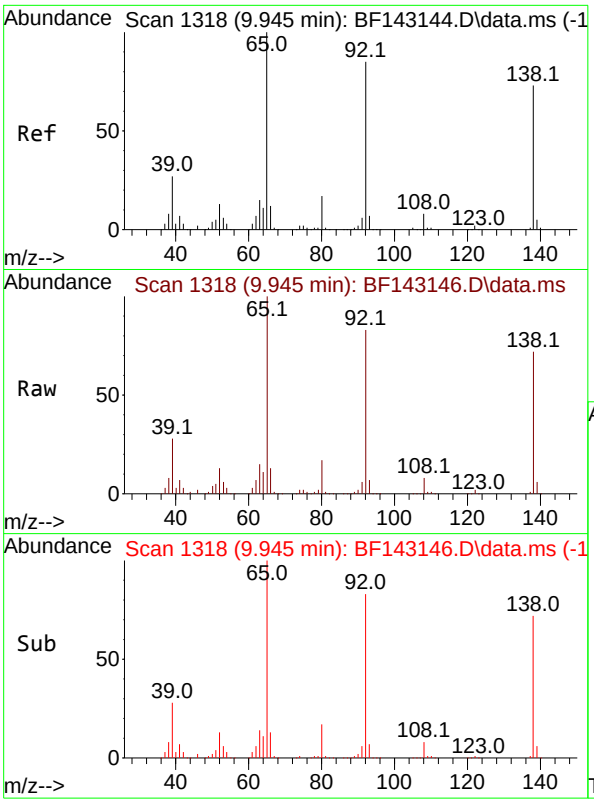


#52
Acenaphthene
Concen: 56.814 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:154 Resp: 930883

Ion	Ratio	Lower	Upper
154	100		
153	105.6	86.6	129.8
152	49.9	40.4	60.6



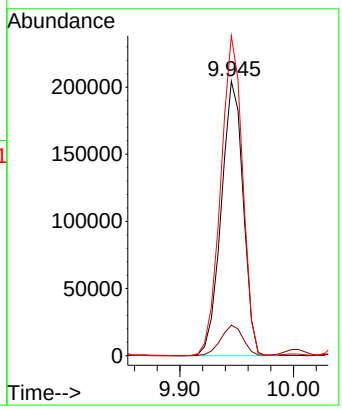


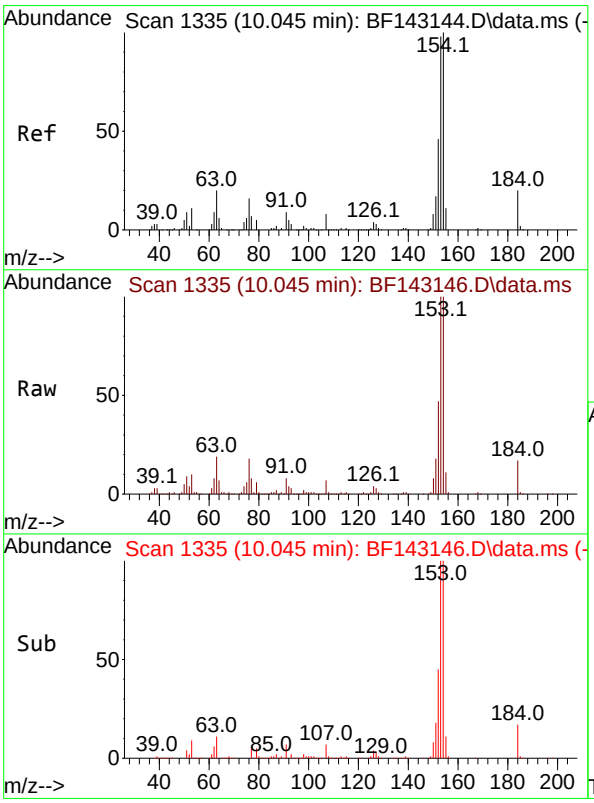
#53
3-Nitroaniline
Concen: 61.542 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 273506

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.6
92	116.5	93.0	139.4

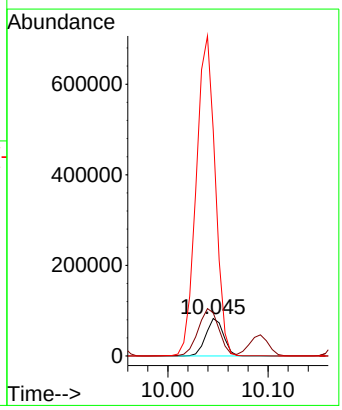


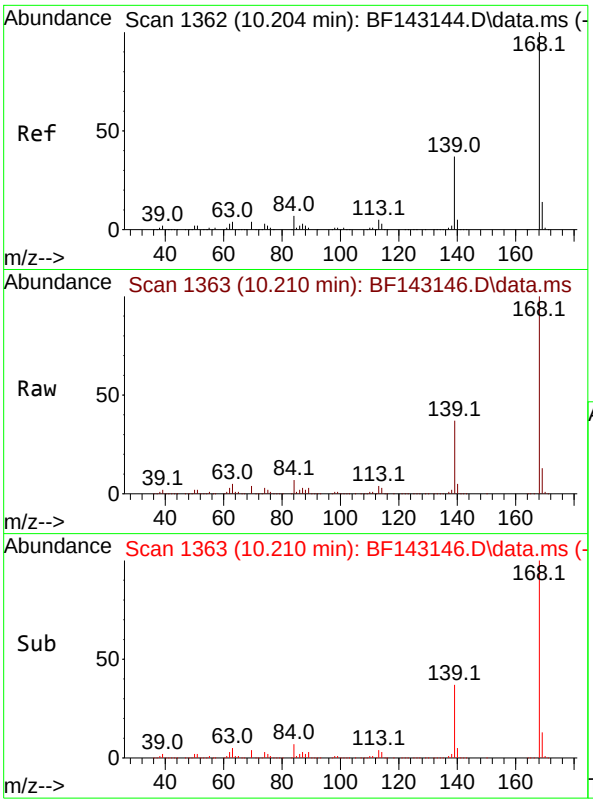


#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:184 Resp: 101491

Ion	Ratio	Lower	Upper
184	100		
63	115.6	81.8	122.6
154	603.3	412.2	618.4



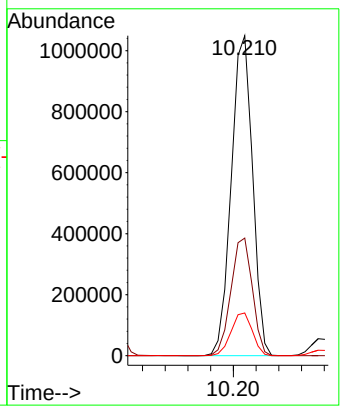


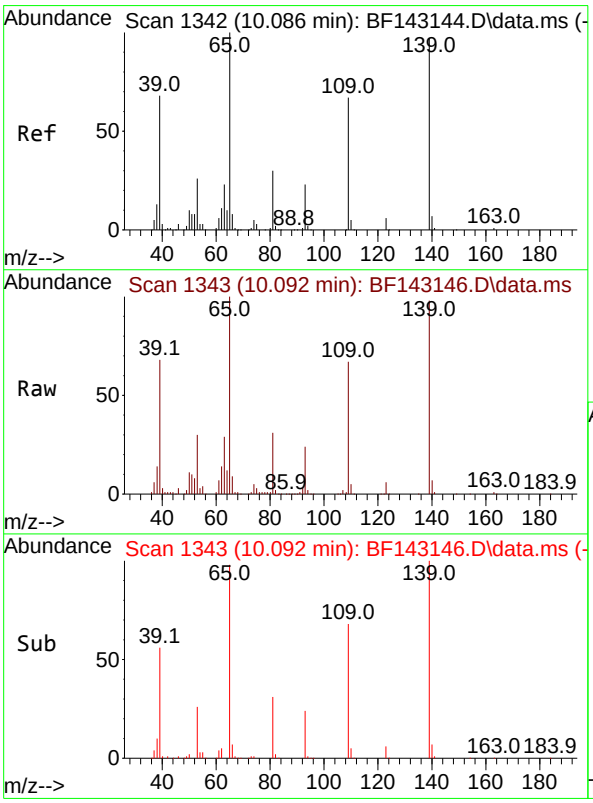
#55
Dibenzofuran
Concen: 56.093 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1364531

Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.5	44.3
169	13.4	10.9	16.3

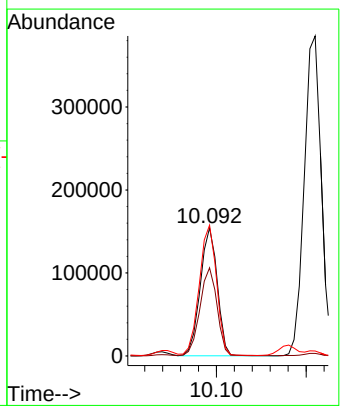


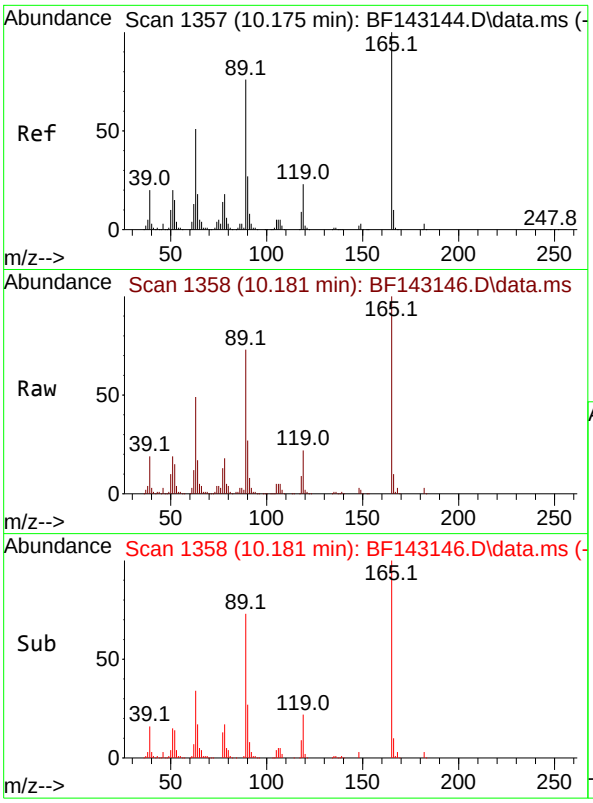


#56
4-Nitrophenol
Concen: 61.312 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:139 Resp: 203477

Ion	Ratio	Lower	Upper
139	100		
109	68.7	48.5	88.5
65	102.2	83.4	123.4



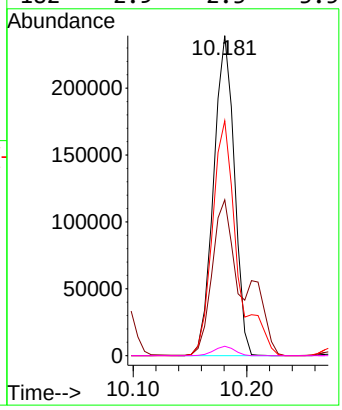


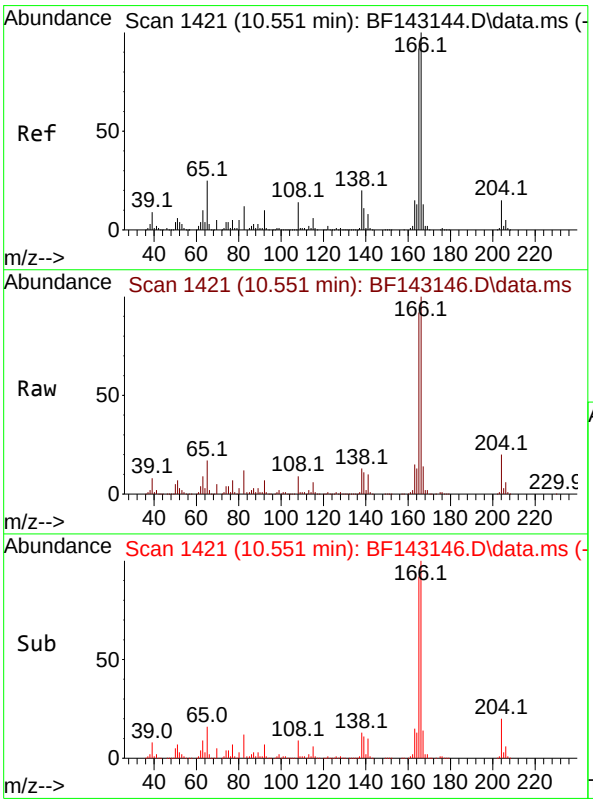
#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 304460

Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	73.4	61.1	91.7
182	2.9	2.3	3.5

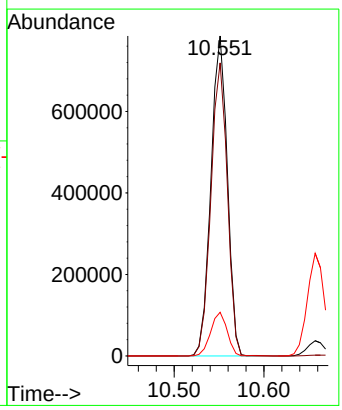


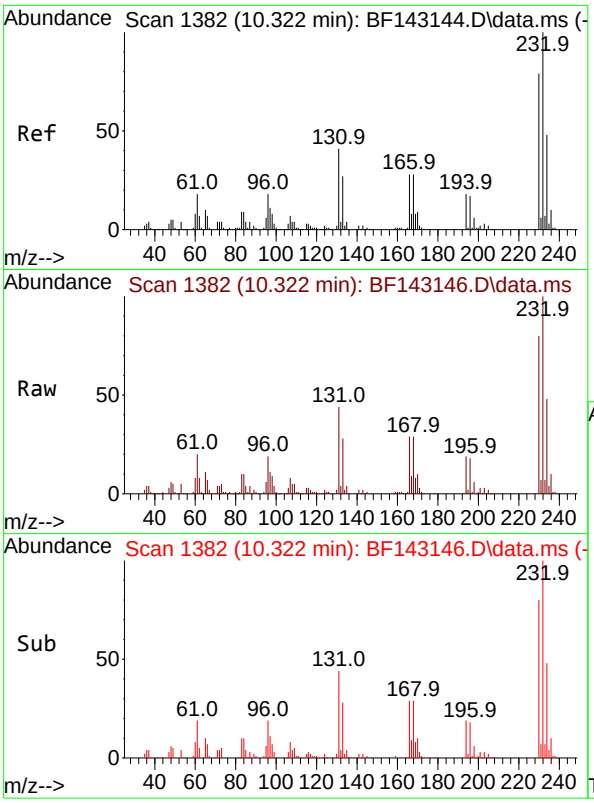


#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:166 Resp: 997710

Ion	Ratio	Lower	Upper
166	100		
165	91.6	73.7	110.5
167	13.6	10.6	16.0



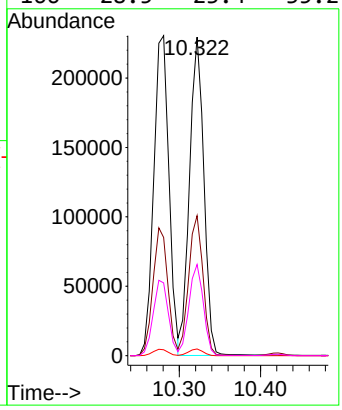


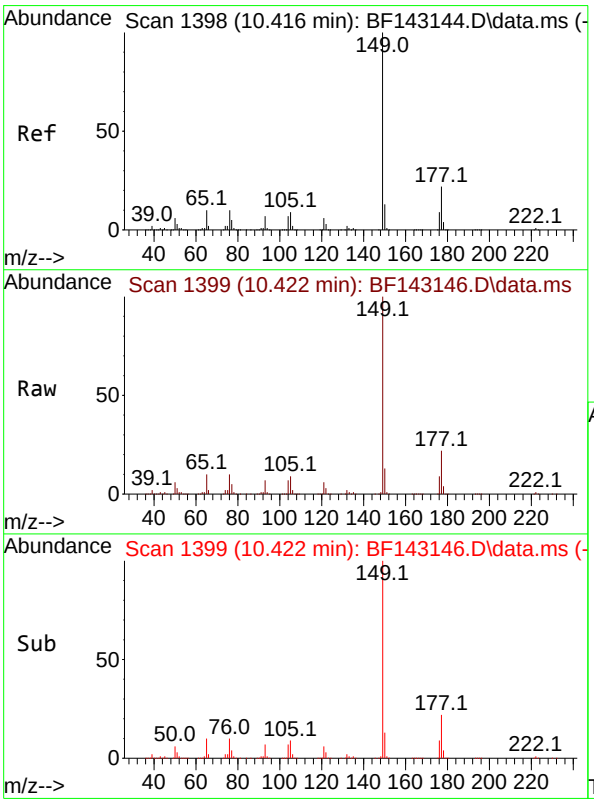
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.678 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 283124

Ion	Ratio	Lower	Upper
232	100		
131	44.2	35.3	52.9
130	2.1	1.7	2.5
166	28.5	23.4	35.2

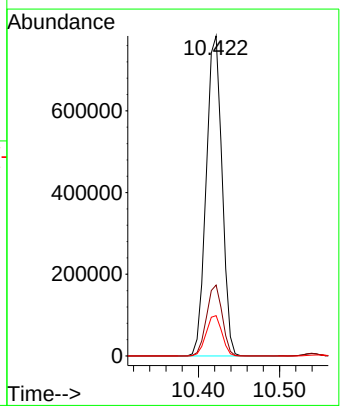


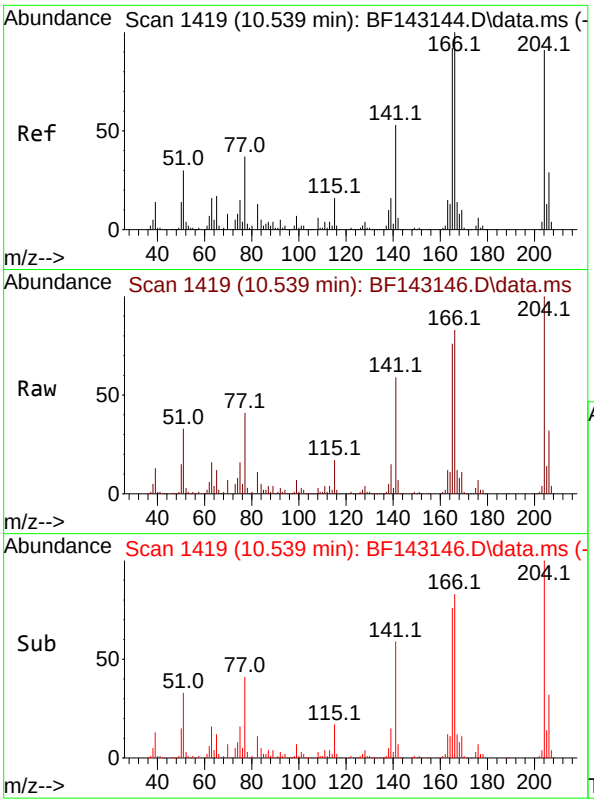


#60
Diethylphthalate
Concen: 57.301 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 1057851

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.6	10.2	15.2



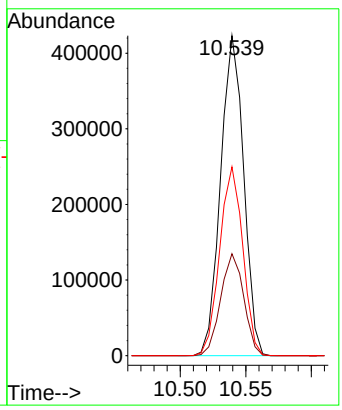


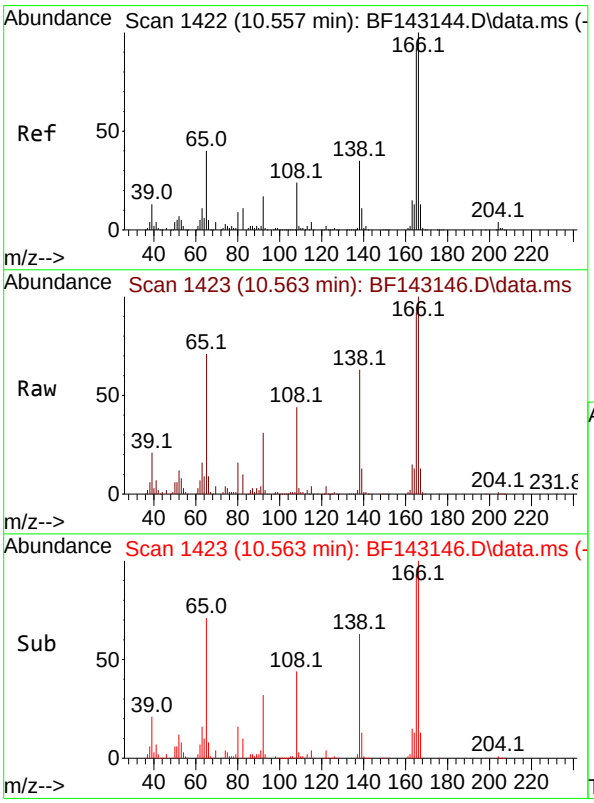
#61
4-Chlorophenyl-phenylether
Concen: 56.867 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 516980

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.8
141	59.0	47.0	70.4

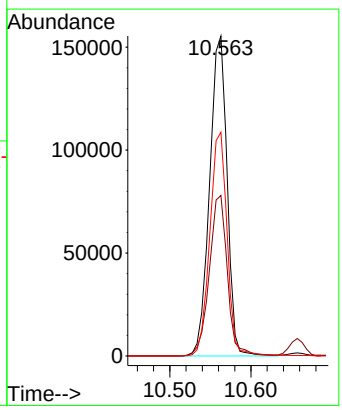


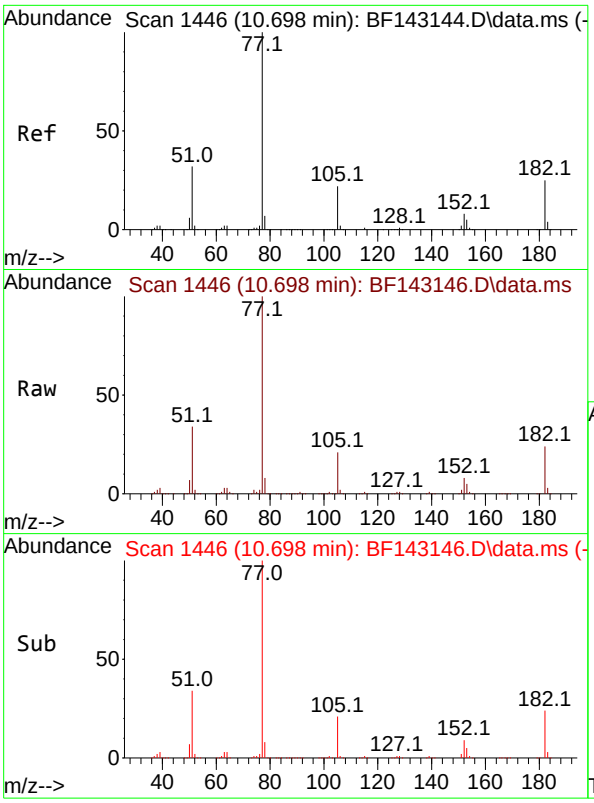


#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:138 Resp: 232488

Ion	Ratio	Lower	Upper
138	100		
92	50.2	29.3	69.3
108	69.9	48.3	88.3



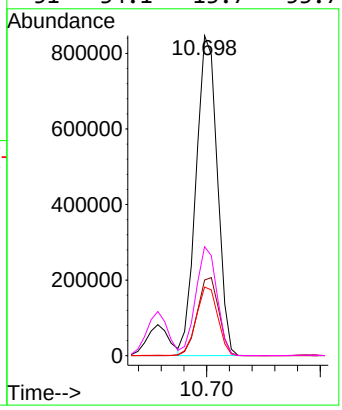


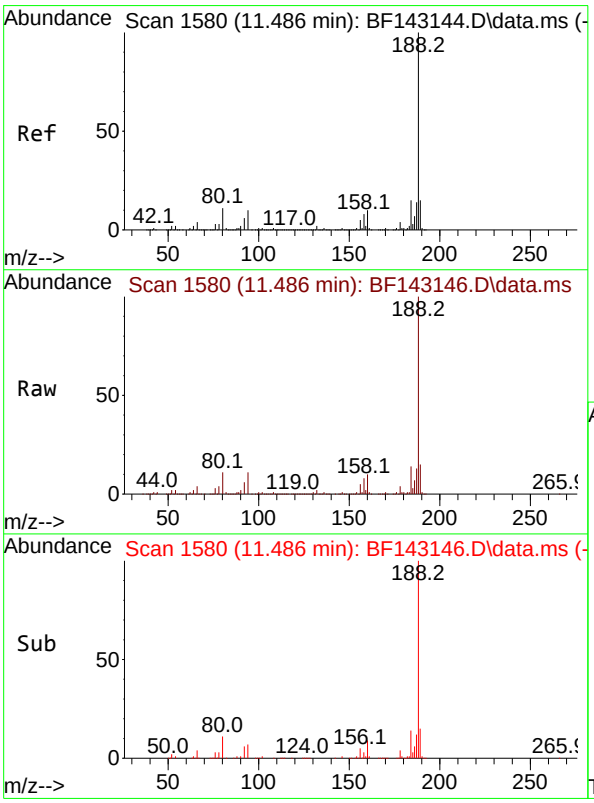
#63
Azobenzene
Concen: 57.107 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1098772

Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.6	44.6
105	21.4	1.4	41.4
51	34.1	13.7	53.7

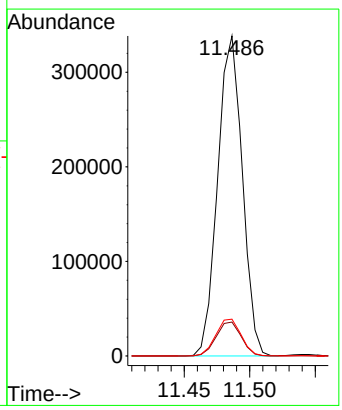


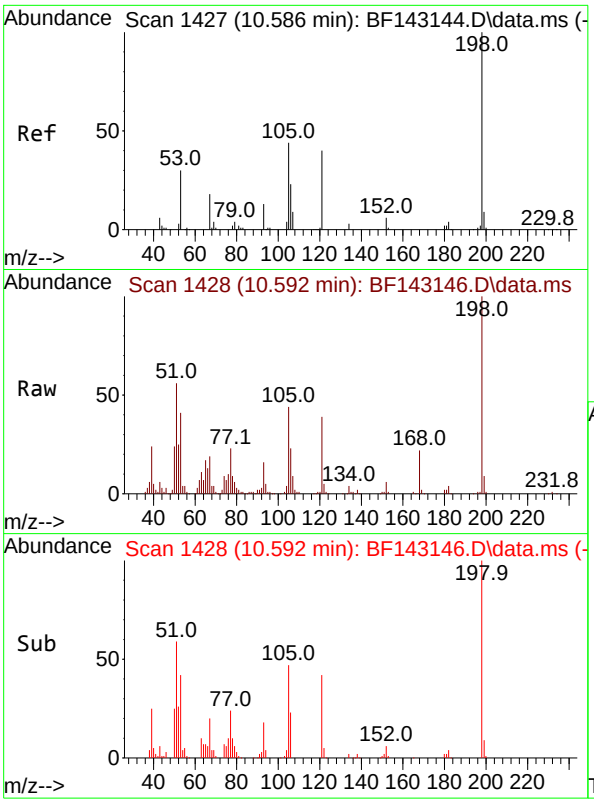


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:188 Resp: 442888

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.3	12.5
80	11.5	9.0	13.6



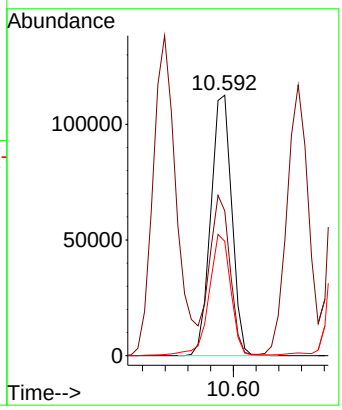


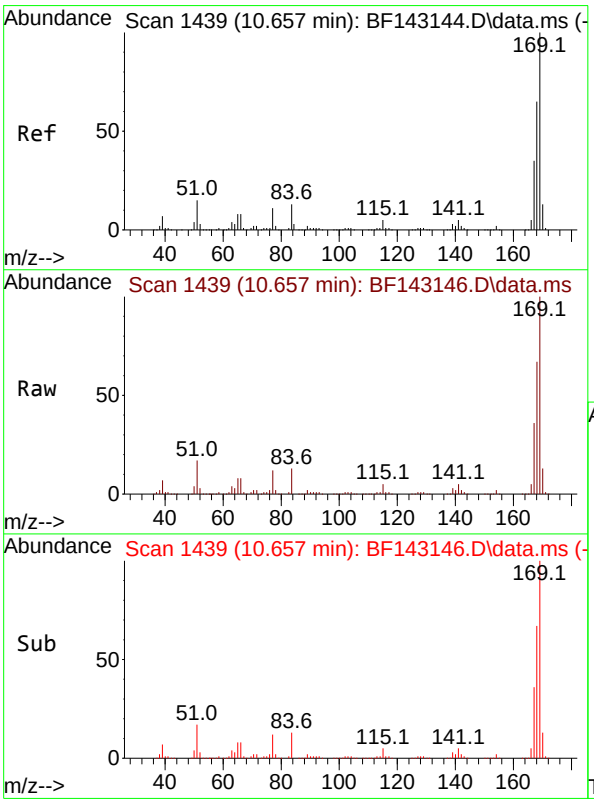
#65
4,6-Dinitro-2-methylphenol
Concen: 60.728 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 144751

Ion	Ratio	Lower	Upper
198	100		
51	55.6	37.2	77.2
105	43.9	24.8	64.8

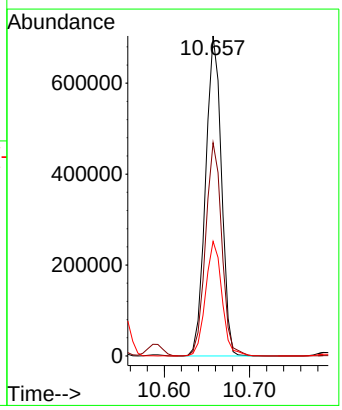


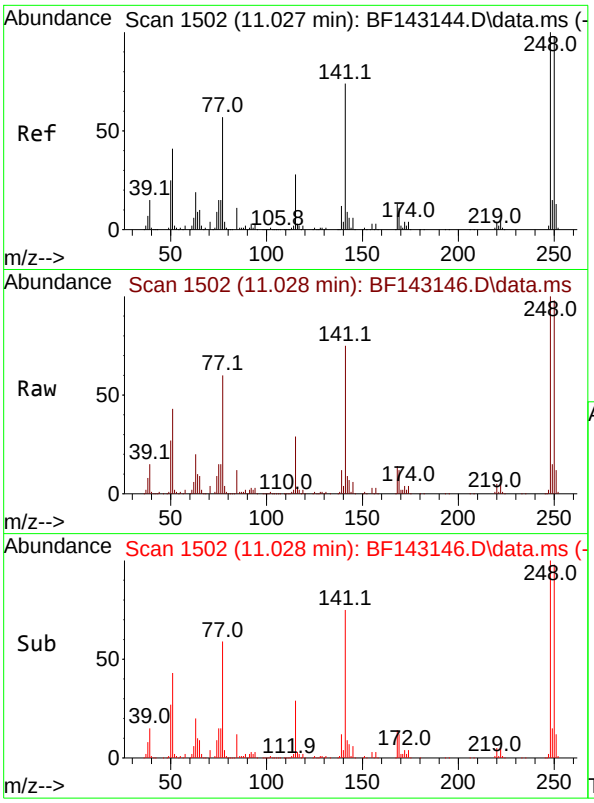


#66
n-Nitrosodiphenylamine
Concen: 58.380 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:169 Resp: 910468

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.1	78.1
167	35.8	28.2	42.2



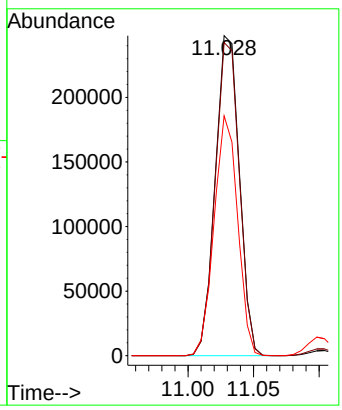


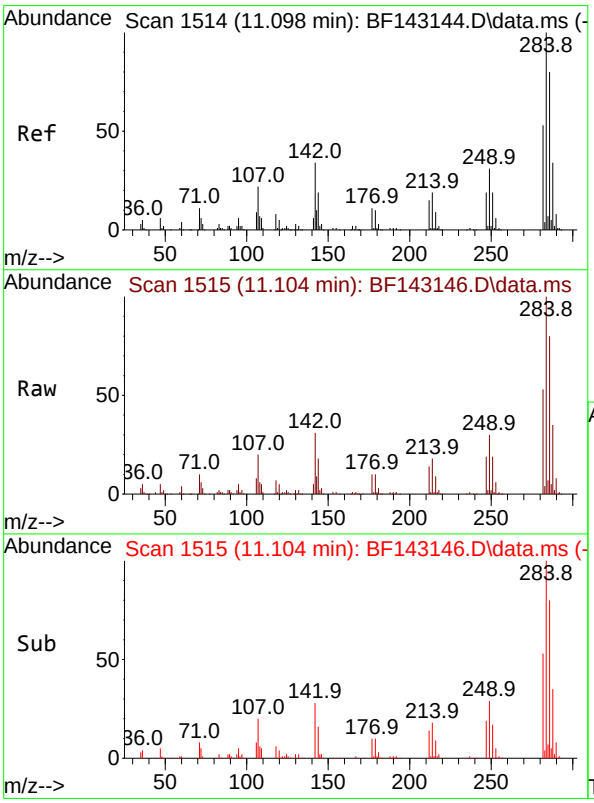
#67
4-Bromophenyl-phenylether
Concen: 60.266 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 318085

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	75.0	59.2	88.8

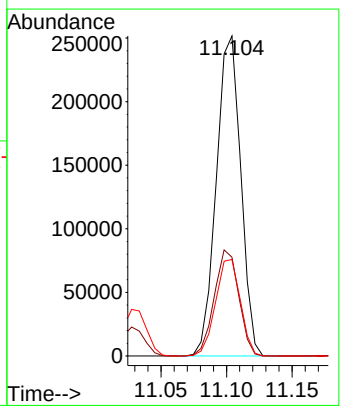


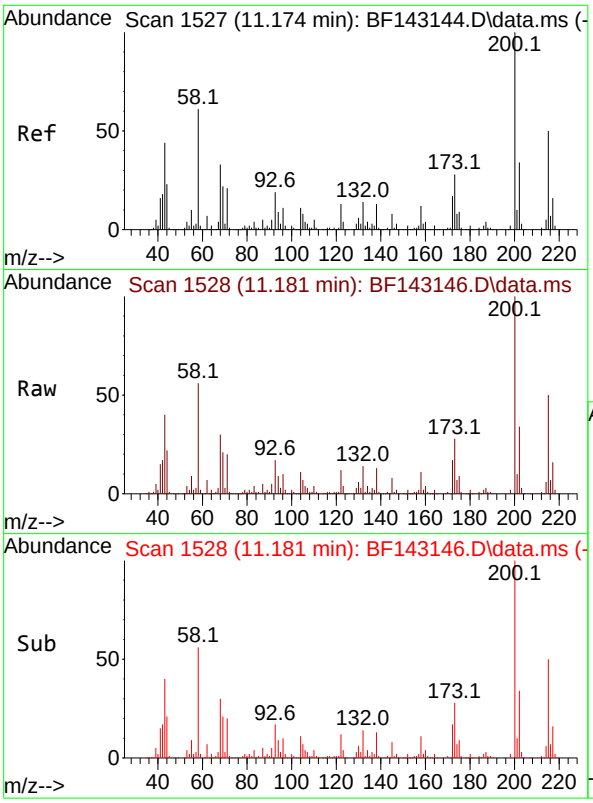


#68
Hexachlorobenzene
Concen: 59.054 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:284 Resp: 325779

Ion	Ratio	Lower	Upper
284	100		
142	30.9	27.0	40.6
249	30.1	25.0	37.6



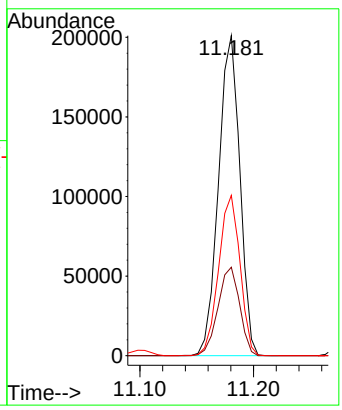


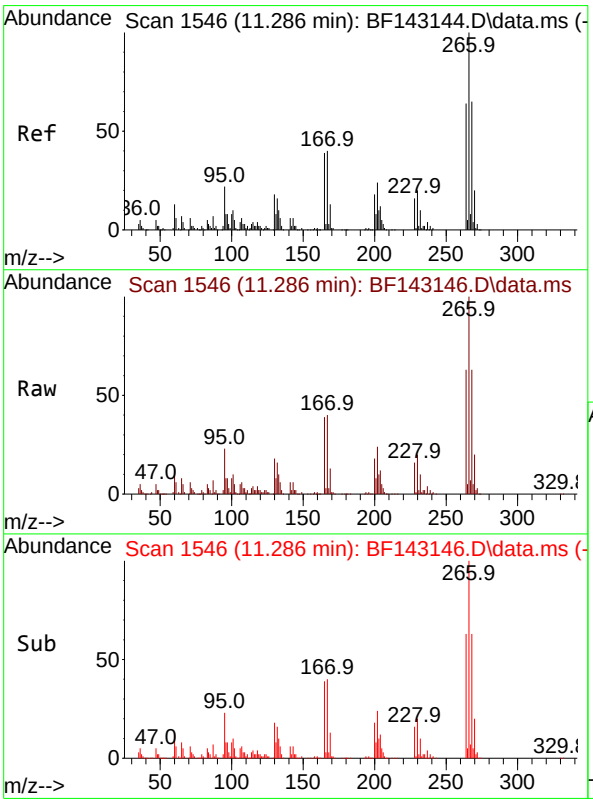
#69
Atrazine
Concen: 61.024 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 262374

Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.9	47.9
215	50.1	30.1	70.1

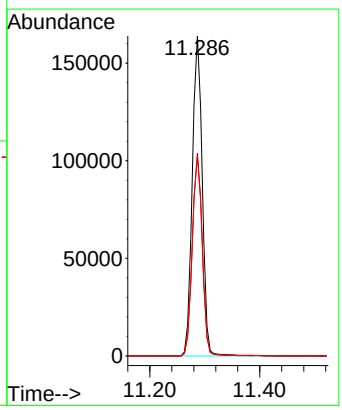


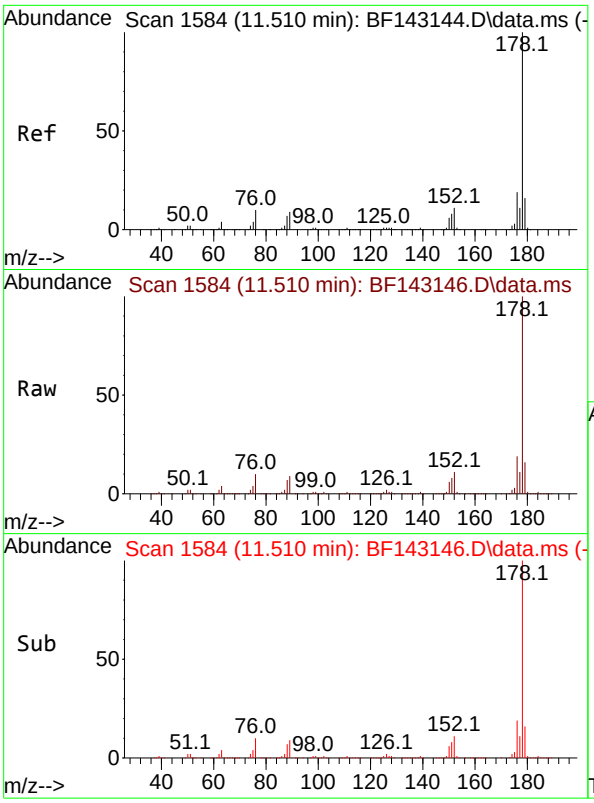


#70
Pentachlorophenol
Concen: 63.625 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:266 Resp: 206417

Ion	Ratio	Lower	Upper
266	100		
268	63.3	51.9	77.9
264	62.5	51.0	76.6



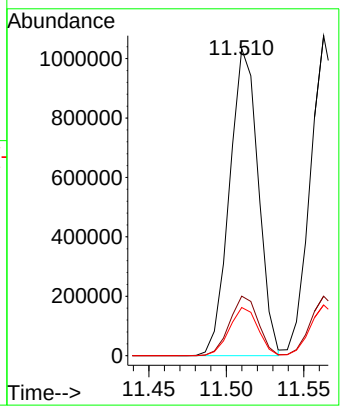


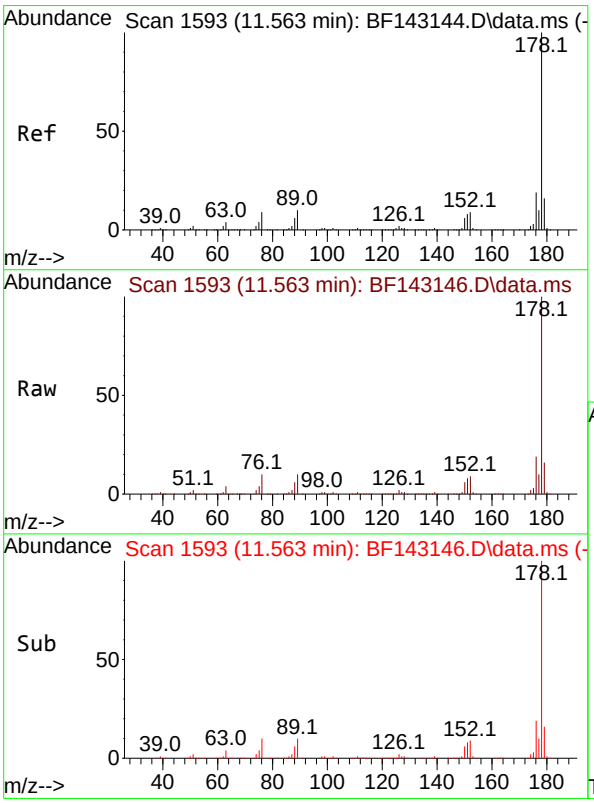
#71
Phenanthrene
Concen: 56.620 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1331485

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.5	18.7

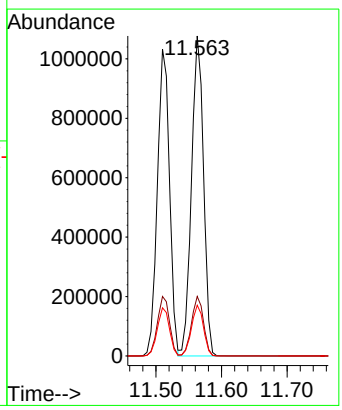


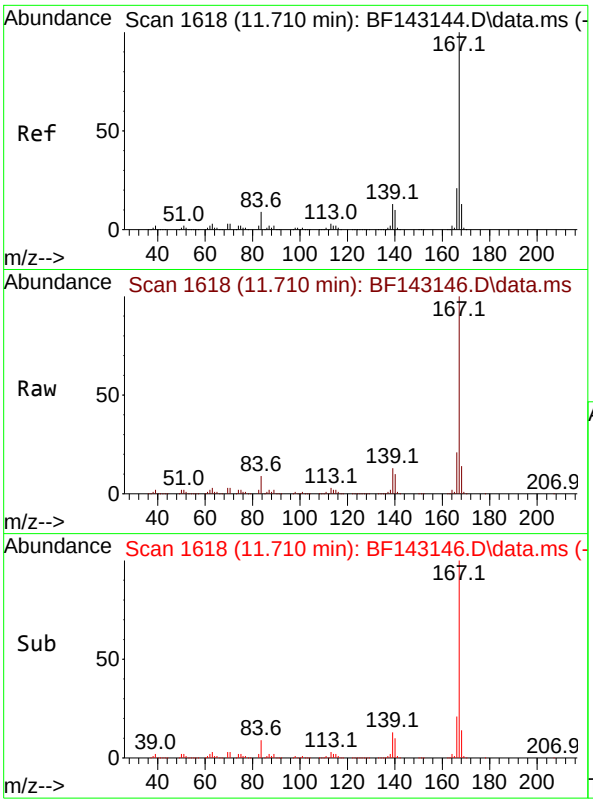


#72
Anthracene
Concen: 57.522 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:178 Resp: 1379601

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.4
179	15.8	12.5	18.7



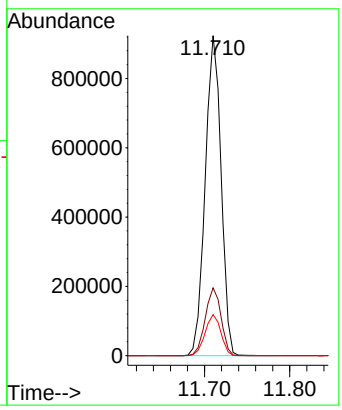


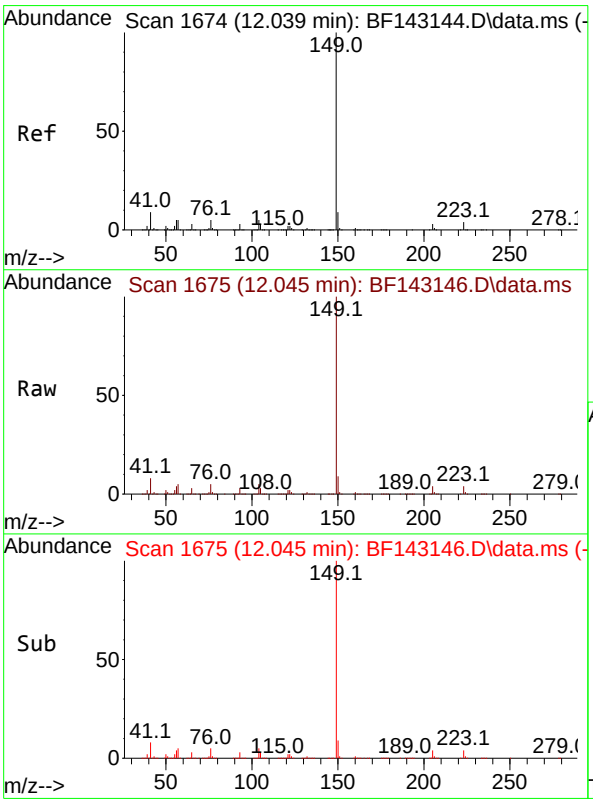
#73
Carbazole
Concen: 57.015 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1194026

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.9	10.0	15.0

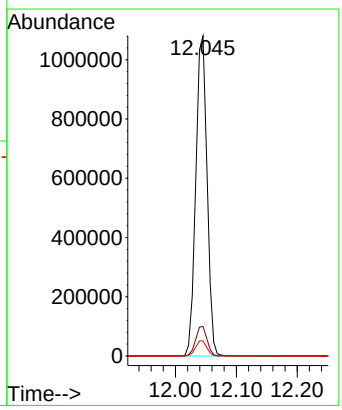


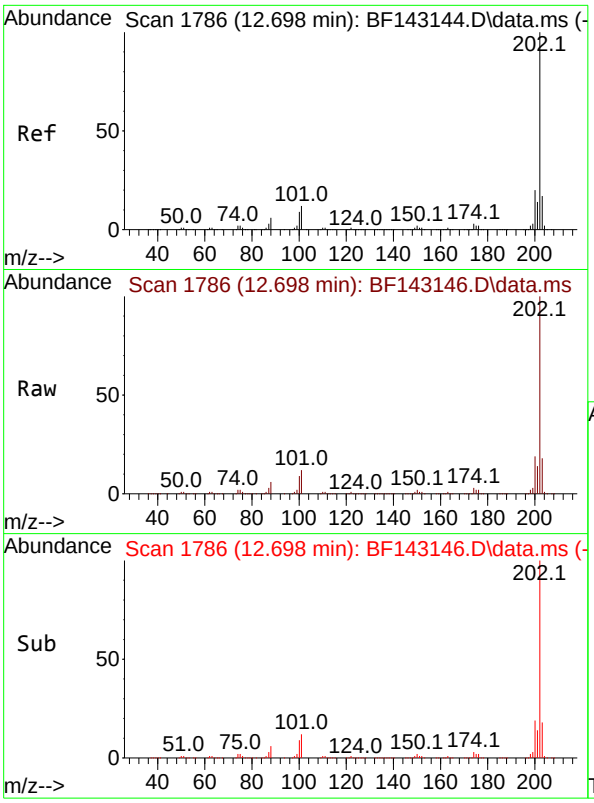


#74
Di-n-butylphthalate
Concen: 58.757 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 1392335

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.7	3.8	5.8



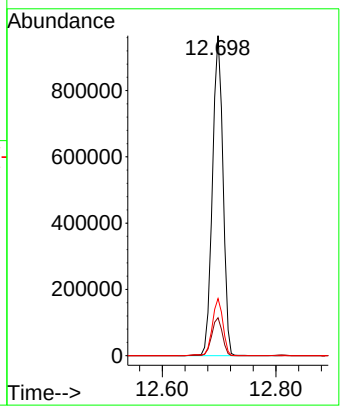


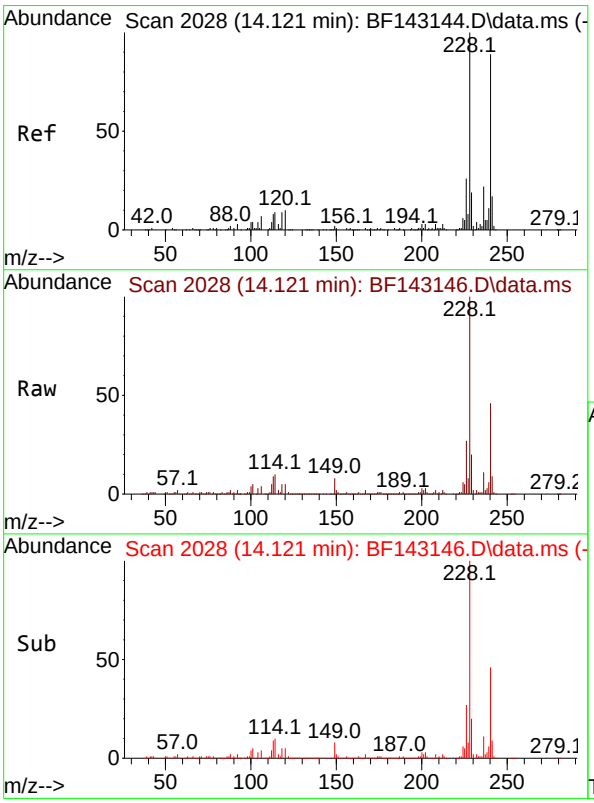
#75
Fluoranthene
Concen: 57.122 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1232952

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.8	0.0	37.4

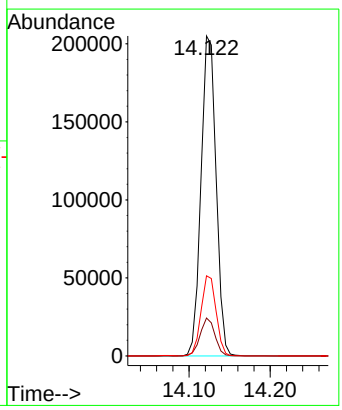


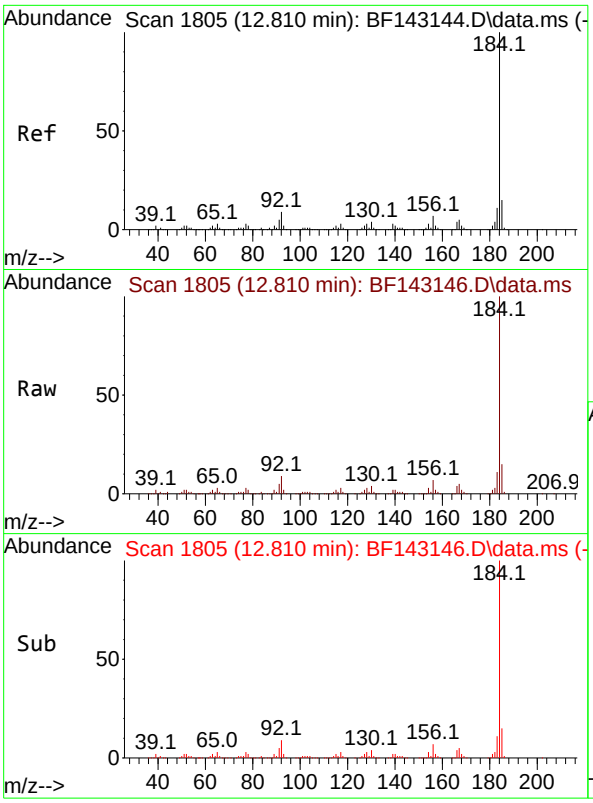


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:240 Resp: 264384

Ion	Ratio	Lower	Upper
240	100		
120	11.9	9.4	14.2
236	25.1	20.2	30.4



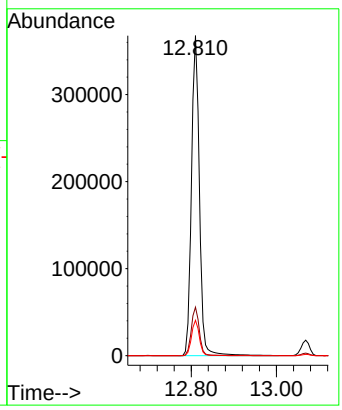


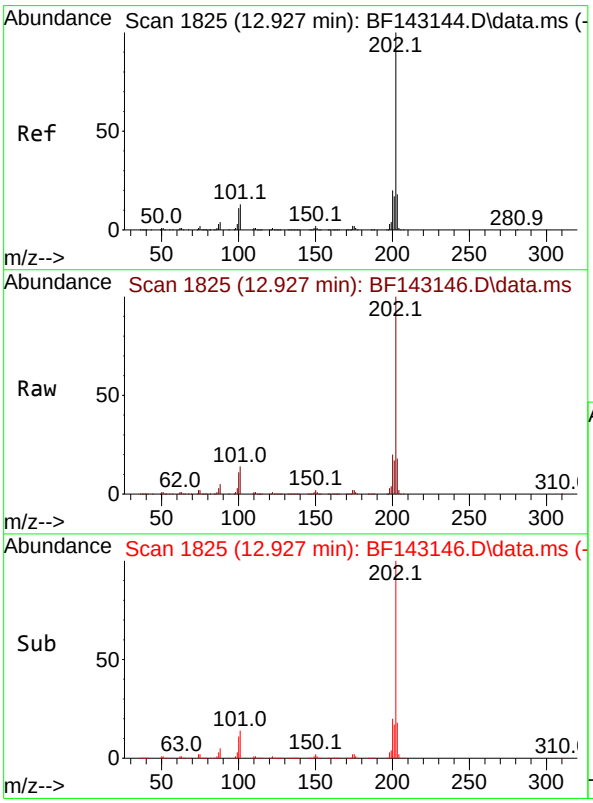
#77
Benzidine
Concen: 46.785 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 476553

Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.4
183	11.0	9.0	13.4

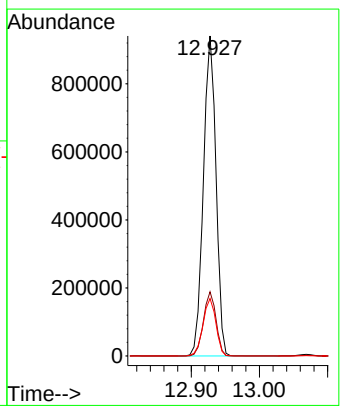


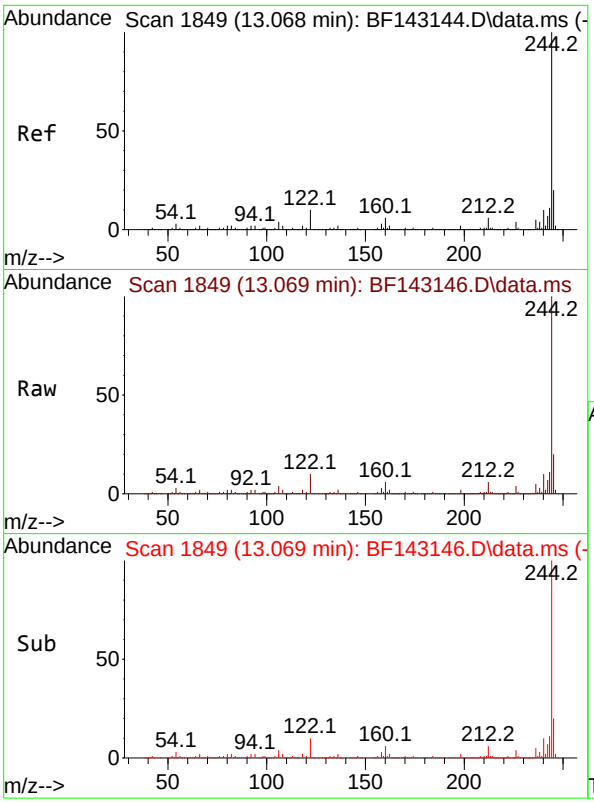


#78
Pyrene
Concen: 53.536 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:202 Resp: 1207978

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	18.0	14.2	21.2



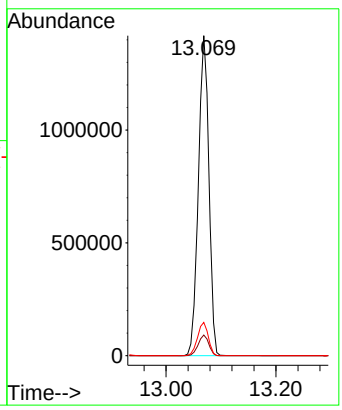


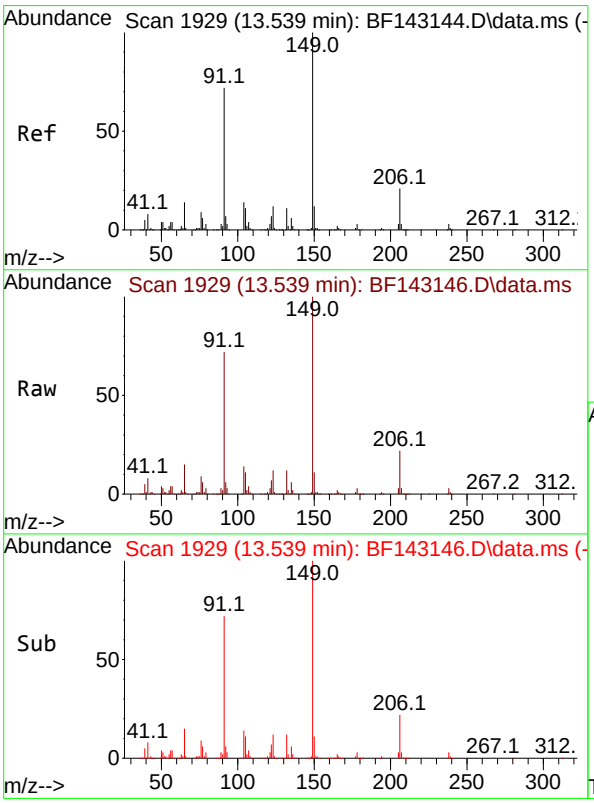
#79
Terphenyl-d14
Concen: 106.298 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 1888544

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.4	8.2	12.2

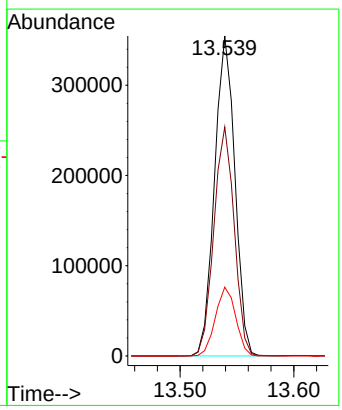


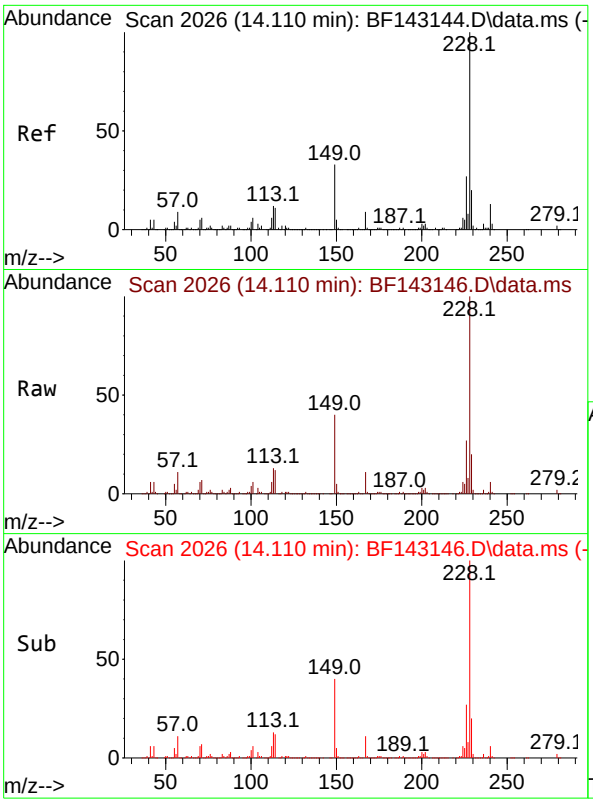


#80
Butylbenzylphthalate
Concen: 63.875 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 441334

Ion	Ratio	Lower	Upper
149	100		
91	71.6	57.9	86.9
206	21.5	17.0	25.4



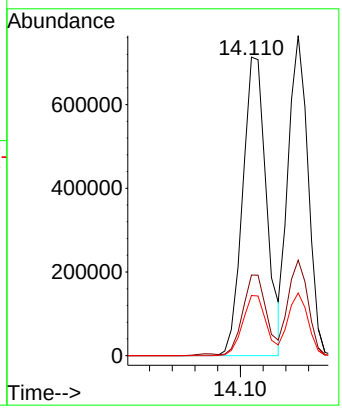


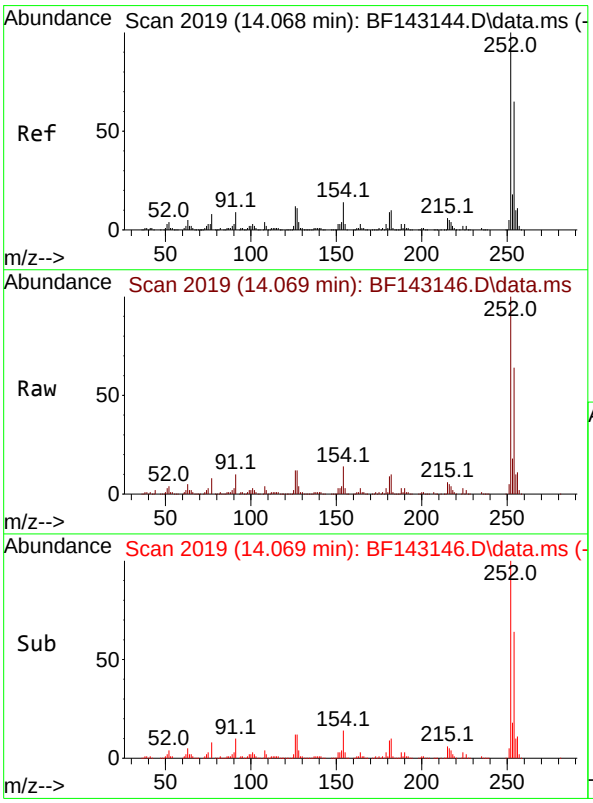
#81
Benzo(a)anthracene
Concen: 58.825 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1041236

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	20.2	15.8	23.6

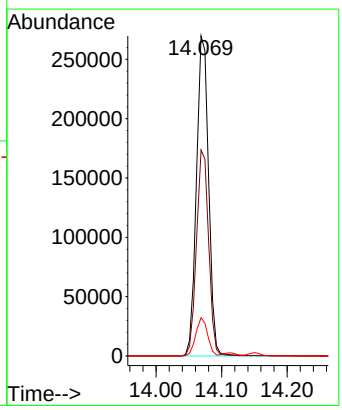


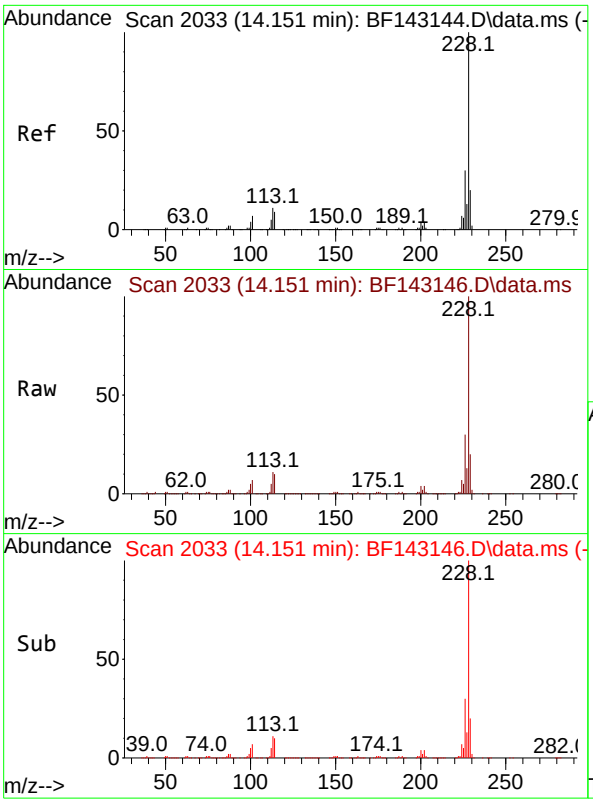


#82
3,3'-Dichlorobenzidine
Concen: 59.155 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 348979

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.7	77.5
126	12.0	9.4	14.0



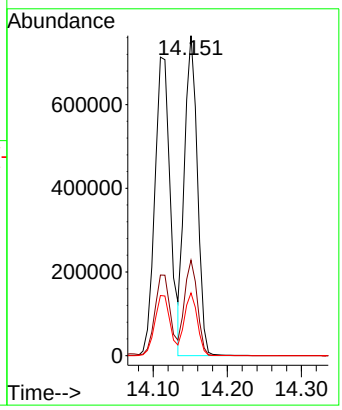


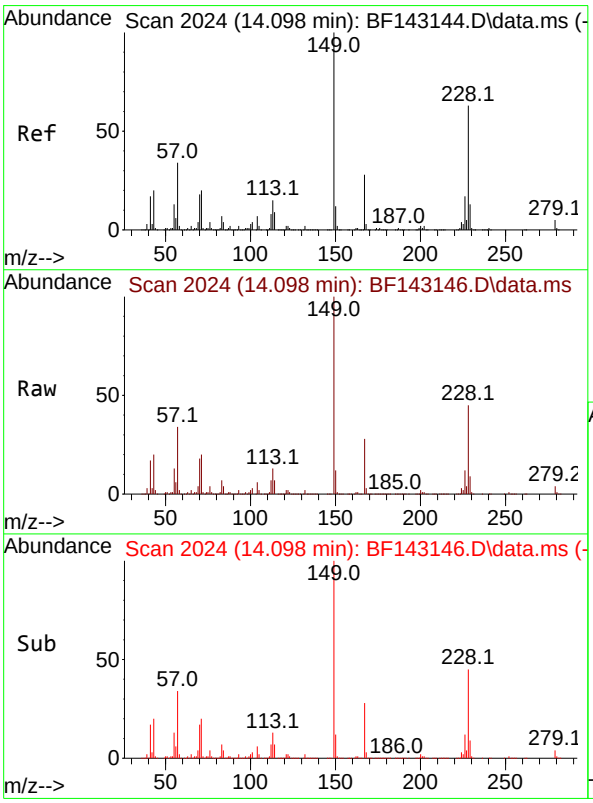
#83
Chrysene
Concen: 58.472 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 930545

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.6	15.6	23.4

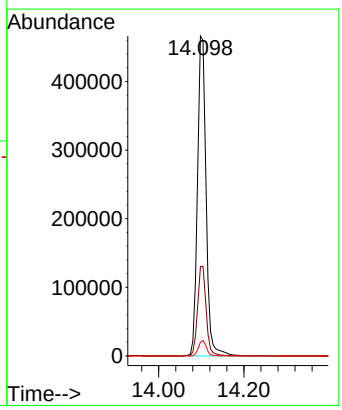


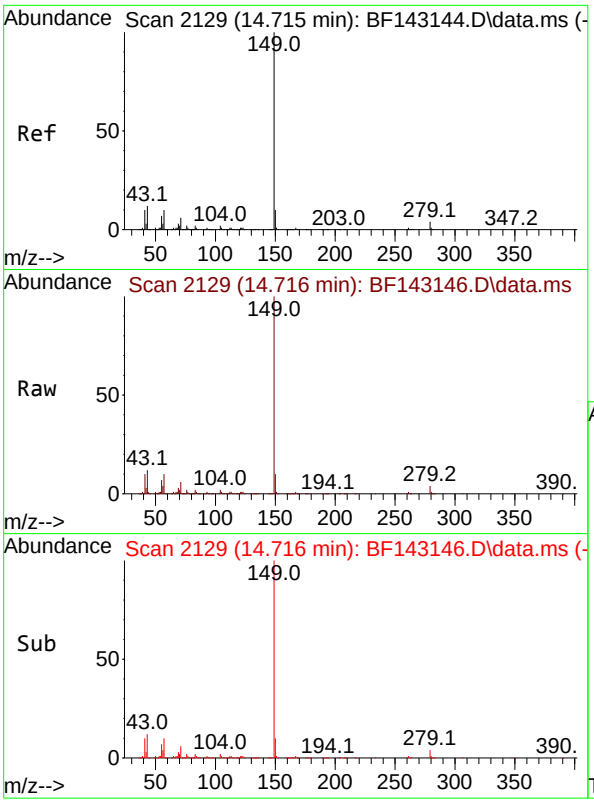


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.678 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:149 Resp: 655482

Ion	Ratio	Lower	Upper
149	100		
167	27.9	22.3	33.5
279	4.3	3.6	5.4



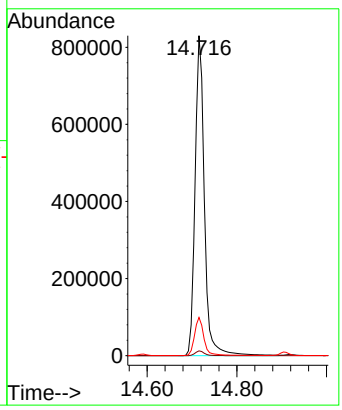


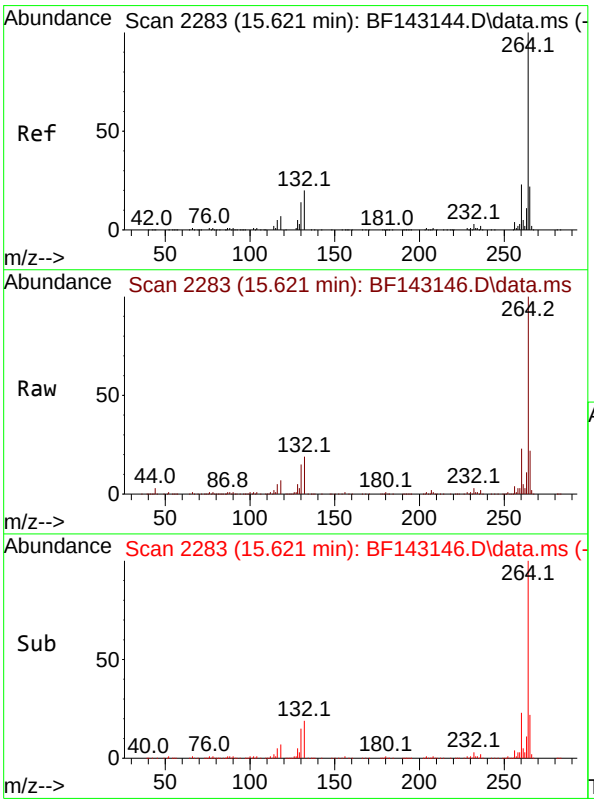
#85
Di-n-octyl phthalate
Concen: 63.095 ng
RT: 14.716 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1196044

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.0	9.7	14.5

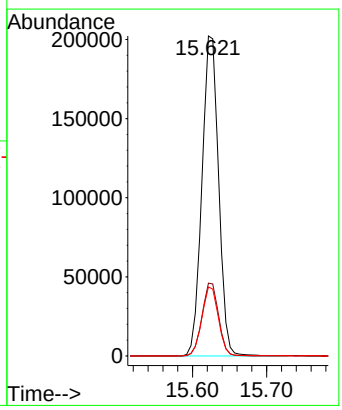


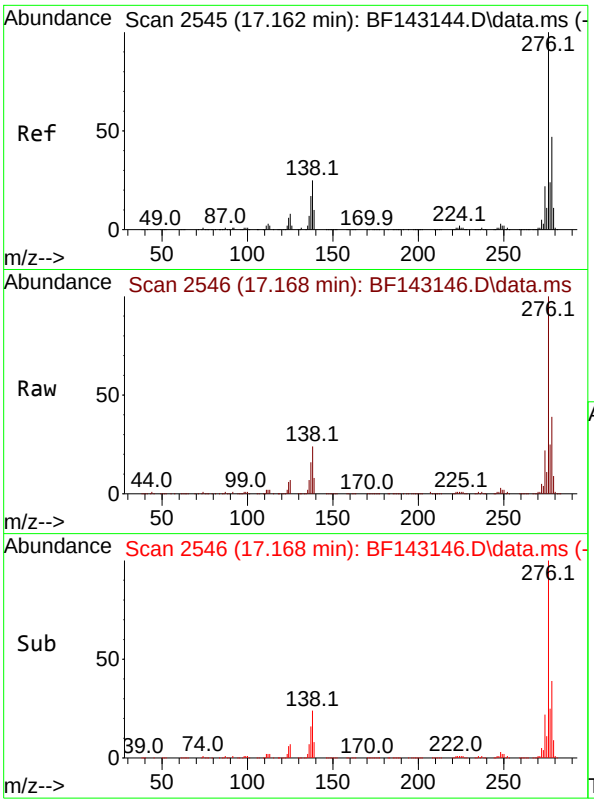


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:264 Resp: 315904

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.5	17.4	26.2



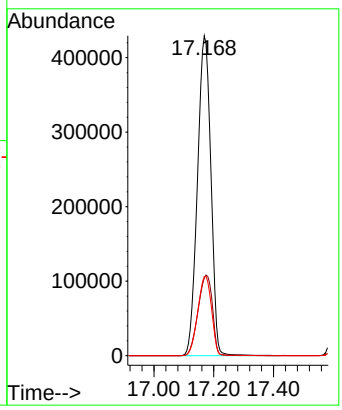


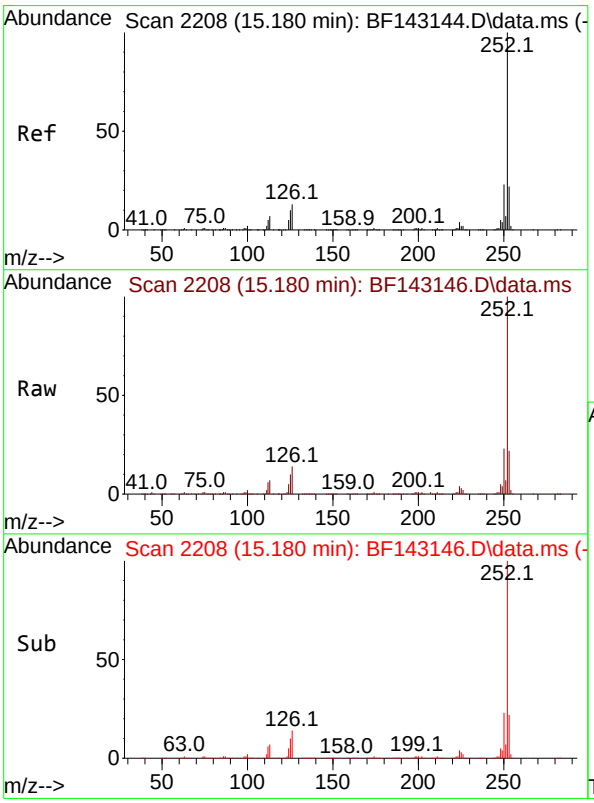
#87
Indeno(1,2,3-cd)pyrene
Concen: 60.037 ng
RT: 17.168 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1337361

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.4	20.0	30.0

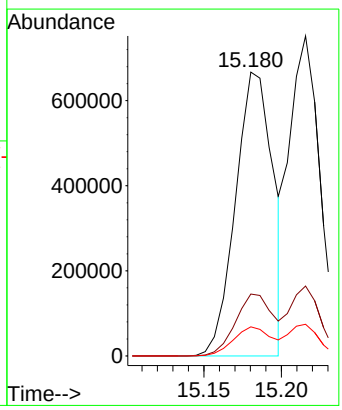


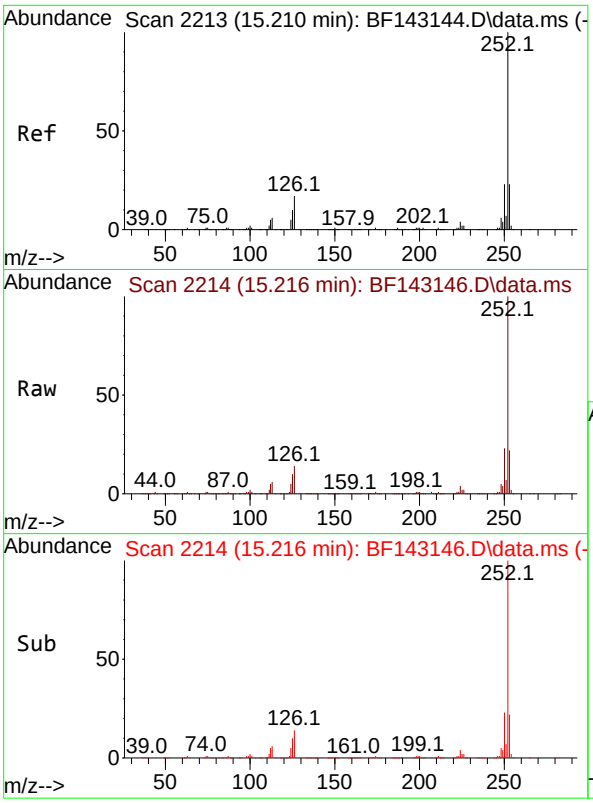


#88
Benzo(b)fluoranthene
Concen: 58.328 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 1125667

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	10.3	8.0	12.0



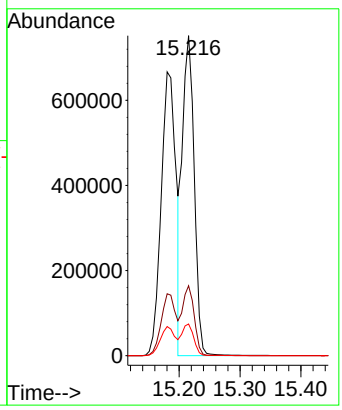


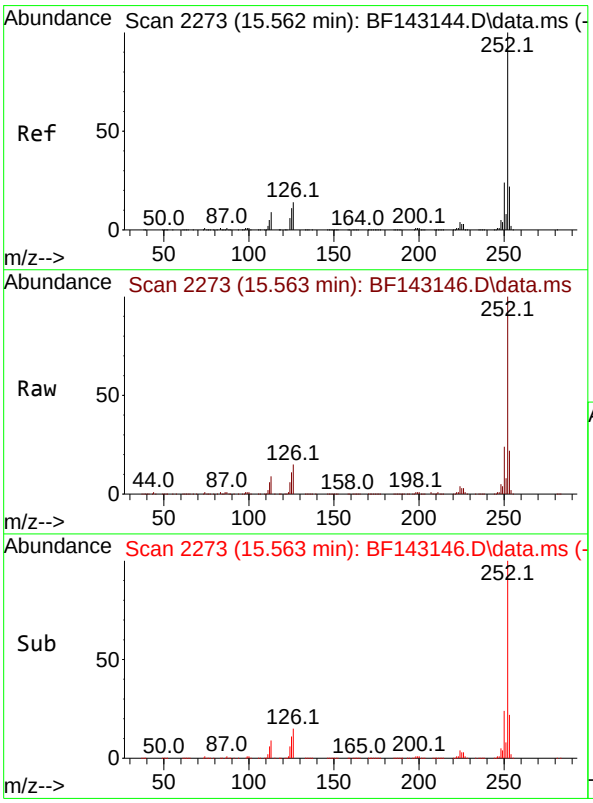
#89
Benzo(k)fluoranthene
Concen: 59.411 ng
RT: 15.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1023132

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.9	8.1	12.1

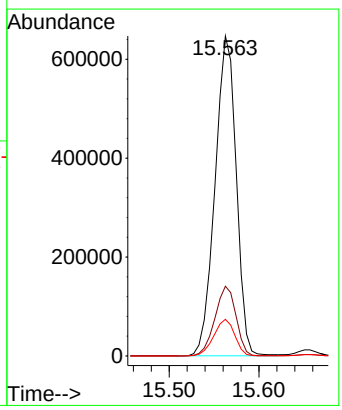


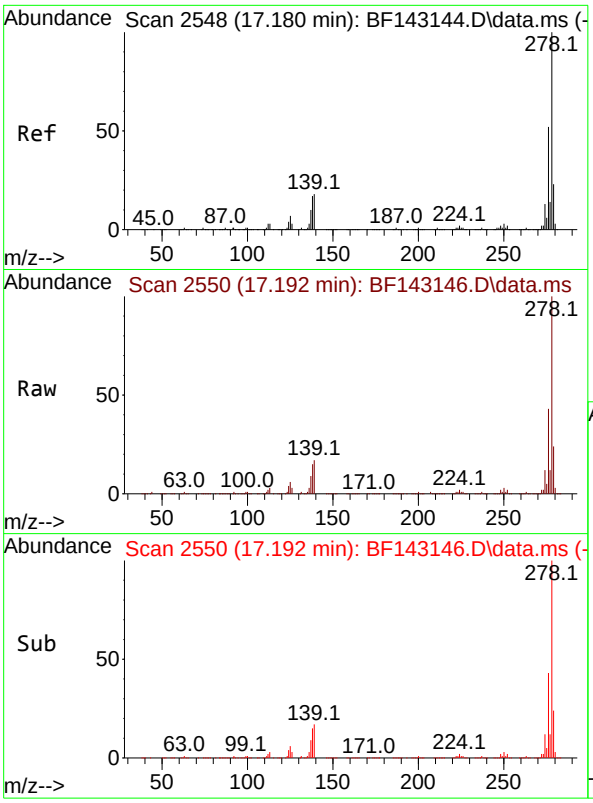


#90
Benzo(a)pyrene
Concen: 59.730 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:252 Resp: 1062049

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.5	8.6	13.0



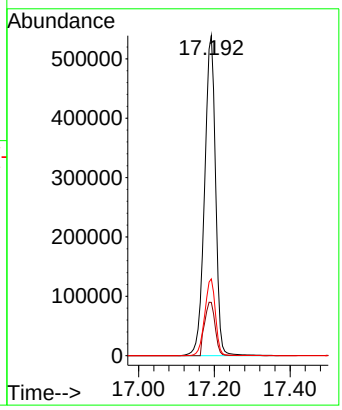


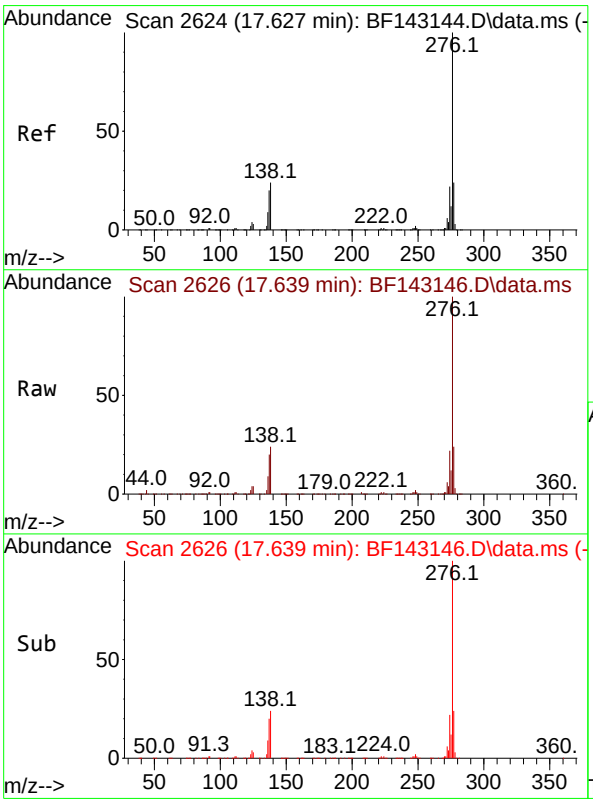
#91
Dibenzo(a,h)anthracene
Concen: 59.610 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1080768

Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.1	21.1
279	24.0	18.6	28.0

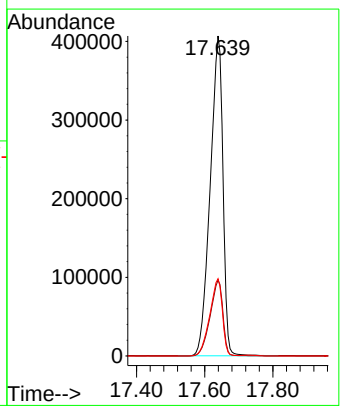




#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:276 Resp: 1055168

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.1	28.7
138	24.2	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143147.D
Acq On : 17 Jul 2025 14:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	145034	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	544516	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	275619	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	429046	20.000	ng		0.00
76) Chrysene-d12	14.127	240	245351	20.000	ng		0.00
86) Perylene-d12	15.627	264	296687	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	1300344	141.880	ng		0.00
7) Phenol-d6	6.593	99	1639937	142.159	ng		0.00
23) Nitrobenzene-d5	7.534	82	1644581	150.551	ng		0.01
42) 2,4,6-Tribromophenol	10.792	330	437054	153.498	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	2623071	130.157	ng		0.00
79) Terphenyl-d14	13.069	244	2202828	133.606	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.793	88	323993	74.710	ng		99
3) Pyridine	3.569	79	842446	74.844	ng		99
4) n-Nitrosodimethylamine	3.528	42	445612	76.677	ng		97
6) Aniline	6.628	93	1170943	72.831	ng		98
8) 2-Chlorophenol	6.751	128	699193	72.781	ng		99
9) Benzaldehyde	6.516	77	493544	57.055	ng		99
10) Phenol	6.610	94	927252	73.783	ng		88
11) bis(2-Chloroethyl)ether	6.698	93	697645	72.503	ng		100
12) 1,3-Dichlorobenzene	6.910	146	734699	70.400	ng		100
13) 1,4-Dichlorobenzene	6.987	146	739462	70.360	ng		99
14) 1,2-Dichlorobenzene	7.140	146	709300	70.958	ng		100
15) Benzyl Alcohol	7.104	79	661847	75.139	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.240	45	1265589	70.902	ng		99
17) 2-Methylphenol	7.210	107	595477	73.719	ng		99
18) Hexachloroethane	7.481	117	266665	73.293	ng		99
19) n-Nitroso-di-n-propyla...	7.387	70	528820	71.452	ng		99
20) 3+4-Methylphenols	7.369	107	673906	68.763	ng	#	87
22) Acetophenone	7.375	105	890890	69.107	ng	#	95
24) Nitrobenzene	7.551	77	751964	73.836	ng		100
25) Isophorone	7.792	82	1453353	75.366	ng		99
26) 2-Nitrophenol	7.863	139	364951	82.568	ng		100
27) 2,4-Dimethylphenol	7.898	122	649144	72.050	ng		99
28) bis(2-Chloroethoxy)met...	7.992	93	834021	72.134	ng		99
29) 2,4-Dichlorophenol	8.104	162	558665	73.527	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	588333	71.673	ng		99
31) Naphthalene	8.269	128	1854387	69.150	ng		100
32) Benzoic acid	8.028	122	409976	77.395	ng		99
33) 4-Chloroaniline	8.310	127	787243	71.895	ng		98
34) Hexachlorobutadiene	8.392	225	368327	73.453	ng		99
35) Caprolactam	8.698	113	178271	77.644	ng		96
36) 4-Chloro-3-methylphenol	8.792	107	614048	74.354	ng		99
37) 2-Methylnaphthalene	8.957	142	1137176	69.687	ng		100
38) 1-Methylnaphthalene	9.057	142	1168702	69.550	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	568070	71.389	ng		99
41) Hexachlorocyclopentadiene	9.122	237	412756	79.719	ng		100
43) 2,4,6-Trichlorophenol	9.234	196	412148	74.838	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143147.D
Acq On : 17 Jul 2025 14:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	423565	76.888	ng		99
46) 1,1'-Biphenyl	9.428	154	1492094	69.388	ng		100
47) 2-Chloronaphthalene	9.451	162	1131626	71.122	ng		100
48) 2-Nitroaniline	9.534	65	404023	80.971	ng		96
49) Acenaphthylene	9.869	152	1868062	70.057	ng		100
50) Dimethylphthalate	9.728	163	1288559	71.723	ng		99
51) 2,6-Dinitrotoluene	9.781	165	292718	80.093	ng		99
52) Acenaphthene	10.039	154	1120315	71.086	ng		99
53) 3-Nitroaniline	9.951	138	333980	78.128	ng		98
54) 2,4-Dinitrophenol	10.051	184	133446	80.516	ng	#	40
55) Dibenzofuran	10.210	168	1615399	69.038	ng		99
56) 4-Nitrophenol	10.098	139	252698	79.161	ng		99
57) 2,4-Dinitrotoluene	10.186	165	376124	82.029	ng		96
58) Fluorene	10.551	166	1197731	68.203	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	340118	74.533	ng		100
60) Diethylphthalate	10.422	149	1276217	71.870	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	614962	70.326	ng		99
62) 4-Nitroaniline	10.569	138	291926	79.680	ng		98
63) Azobenzene	10.704	77	1318720	71.255	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	186415	78.948	ng		98
66) n-Nitrosodiphenylamine	10.663	169	1087990	72.014	ng		98
67) 4-Bromophenyl-phenylether	11.033	248	382122	74.734	ng		98
68) Hexachlorobenzene	11.104	284	399107	74.680	ng		96
69) Atrazine	11.180	200	324126	77.819	ng		99
70) Pentachlorophenol	11.286	266	257176	81.829	ng		98
71) Phenanthrene	11.516	178	1602208	70.331	ng		100
72) Anthracene	11.563	178	1641264	70.640	ng		100
73) Carbazole	11.710	167	1435444	70.754	ng		99
74) Di-n-butylphthalate	12.045	149	1699503	74.034	ng		100
75) Fluoranthene	12.698	202	1498103	71.645	ng		99
77) Benzidine	12.810	184	496717	52.548	ng		100
78) Pyrene	12.927	202	1466205	70.021	ng		100
80) Butylbenzylphthalate	13.539	149	521631	81.353	ng		99
81) Benzo(a)anthracene	14.116	228	1212056	73.788	ng		100
82) 3,3'-Dichlorobenzidine	14.074	252	393448	71.867	ng		99
83) Chrysene	14.151	228	1105636	74.863	ng		100
84) Bis(2-ethylhexyl)phtha...	14.104	149	774366	79.790	ng		99
85) Di-n-octyl phthalate	14.716	149	1434055	81.519	ng		99
87) Indeno(1,2,3-cd)pyrene	17.174	276	1604969	76.718	ng		99
88) Benzo(b)fluoranthene	15.186	252	1438518	79.367	ng		100
89) Benzo(k)fluoranthene	15.216	252	1111726	68.737	ng		100
90) Benzo(a)pyrene	15.568	252	1269253	76.006	ng		99
91) Dibenzo(a,h)anthracene	17.198	278	1289789	75.746	ng		99
92) Benzo(g,h,i)perylene	17.645	276	1265778	76.846	ng		100

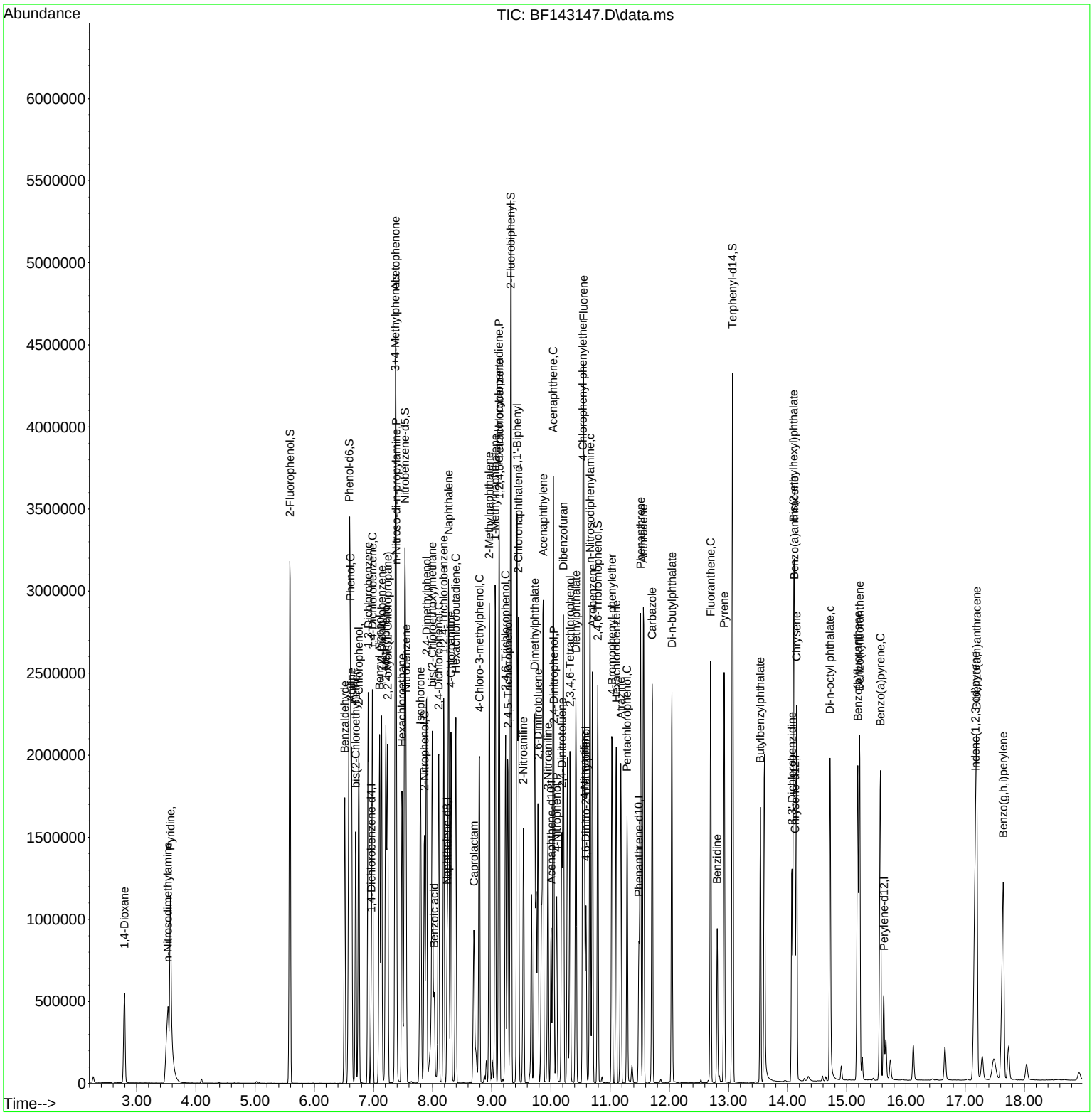
(#) = qualifier out of range (m) = manual integration (+) = signals summed

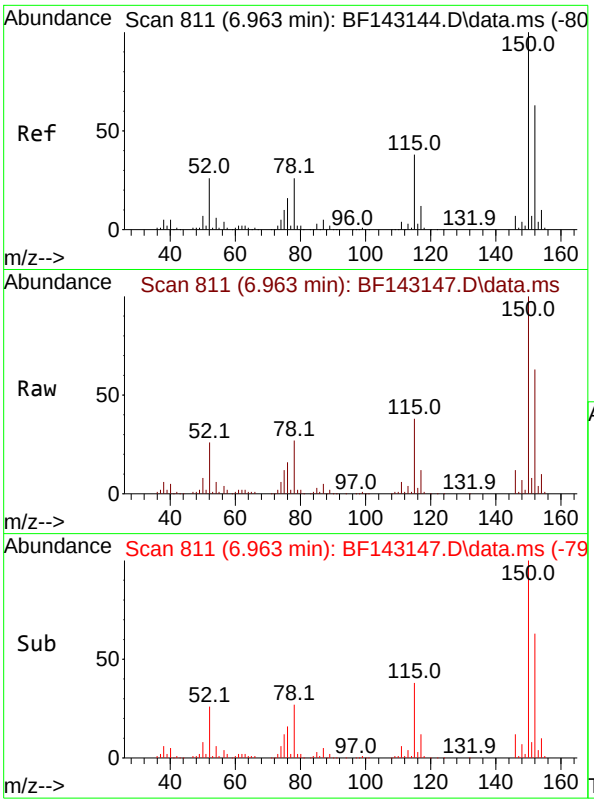
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143147.D
Acq On : 17 Jul 2025 14:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration



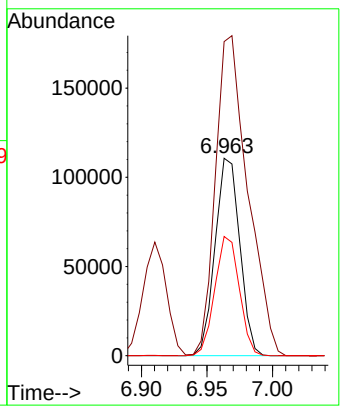


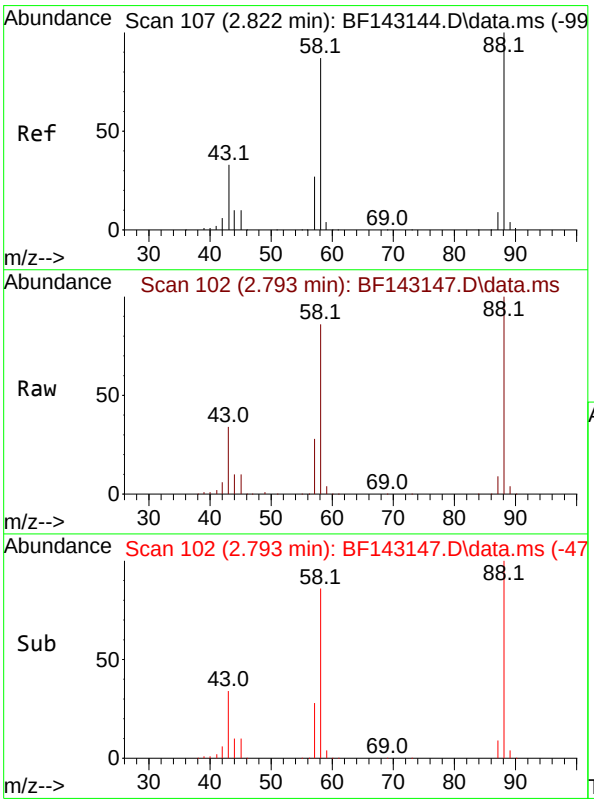
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 145034

Ion	Ratio	Lower	Upper
152	100		
150	159.0	128.2	192.4
115	60.4	47.9	71.9

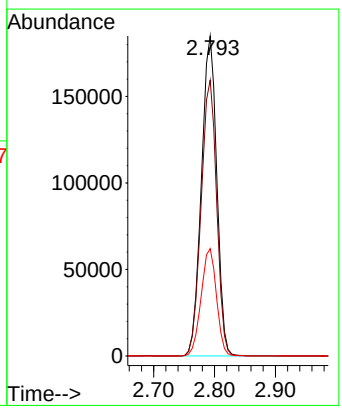


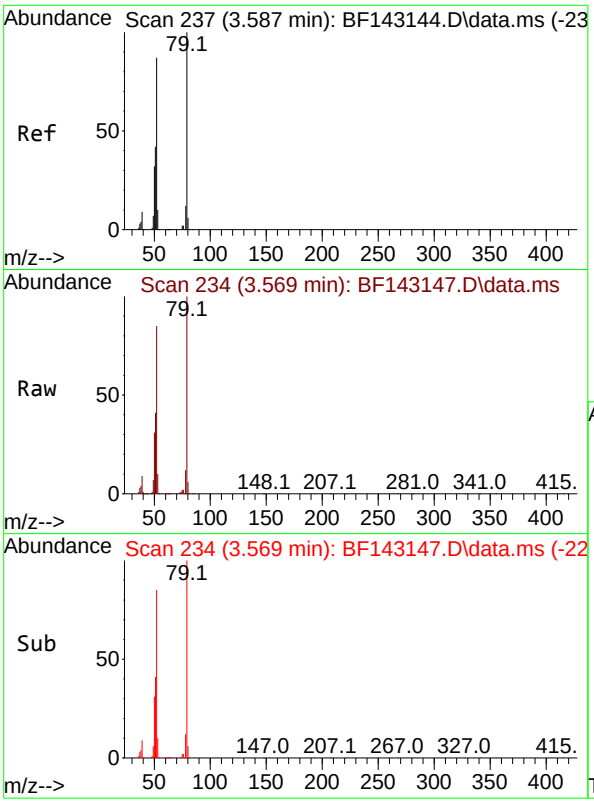


#2
1,4-Dioxane
Concen: 74.710 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 88 Resp: 323993

Ion	Ratio	Lower	Upper
88	100		
58	86.8	70.2	105.2
43	33.6	27.1	40.7



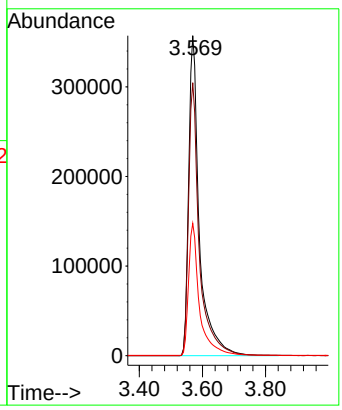


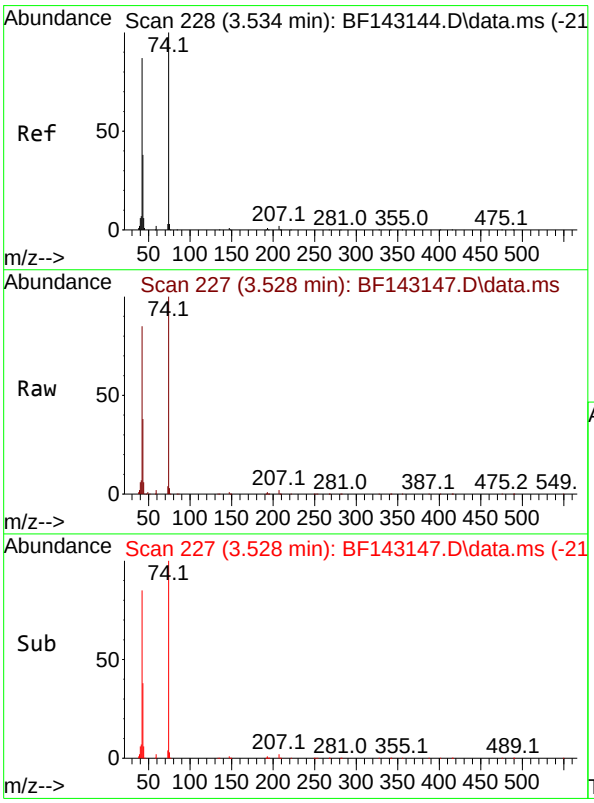
#3
Pyridine
Concen: 74.844 ng
RT: 3.569 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 842446

Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.4	104.2
51	41.4	33.5	50.3

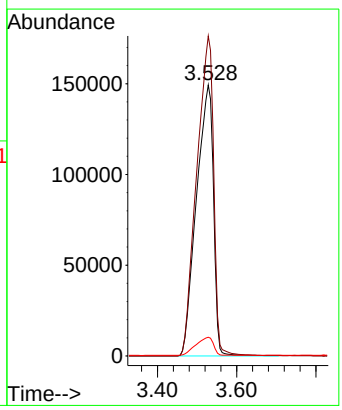


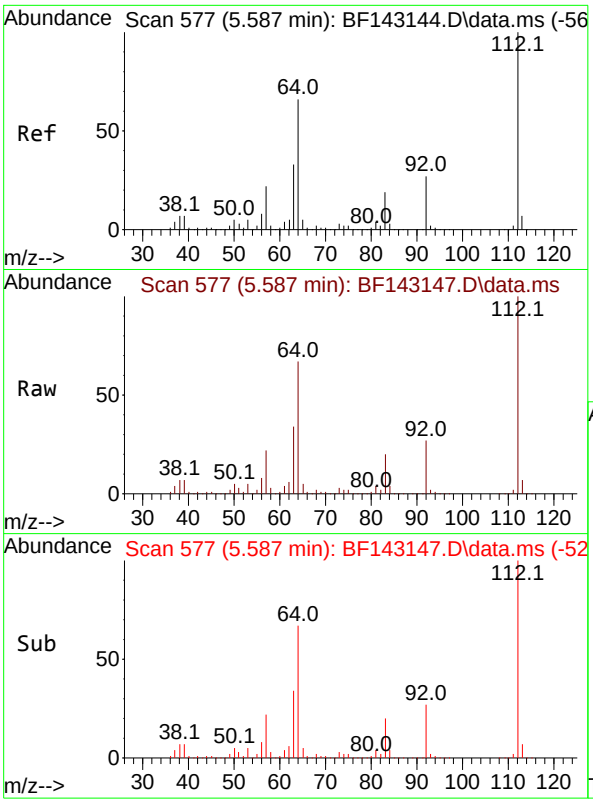


#4
n-Nitrosodimethylamine
Concen: 76.677 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 42 Resp: 445612

Ion	Ratio	Lower	Upper
42	100		
74	118.0	91.7	137.5
44	6.9	5.6	8.4



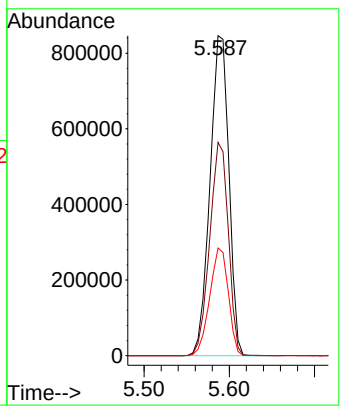


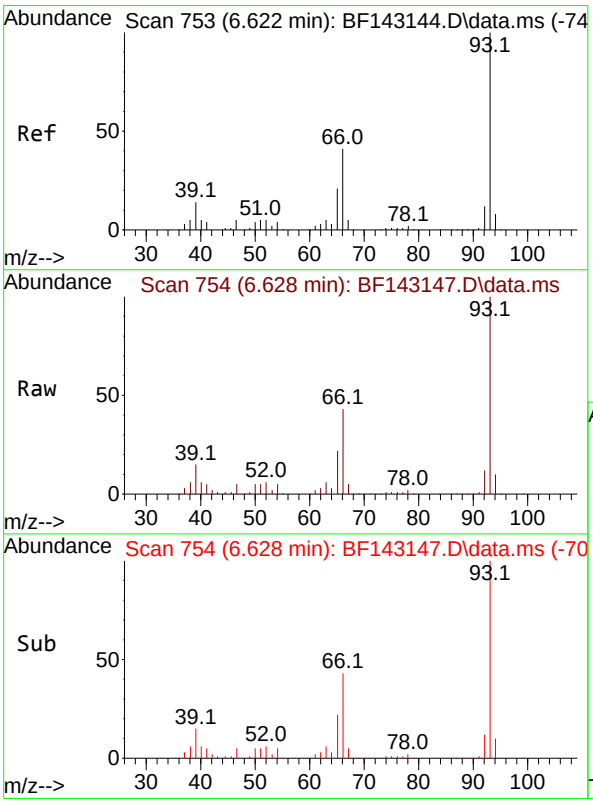
#5
2-Fluorophenol
Concen: 141.880 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1300344

Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	33.6	26.6	40.0

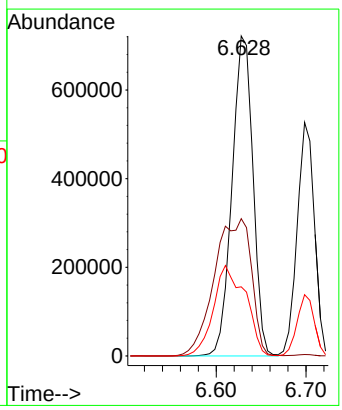


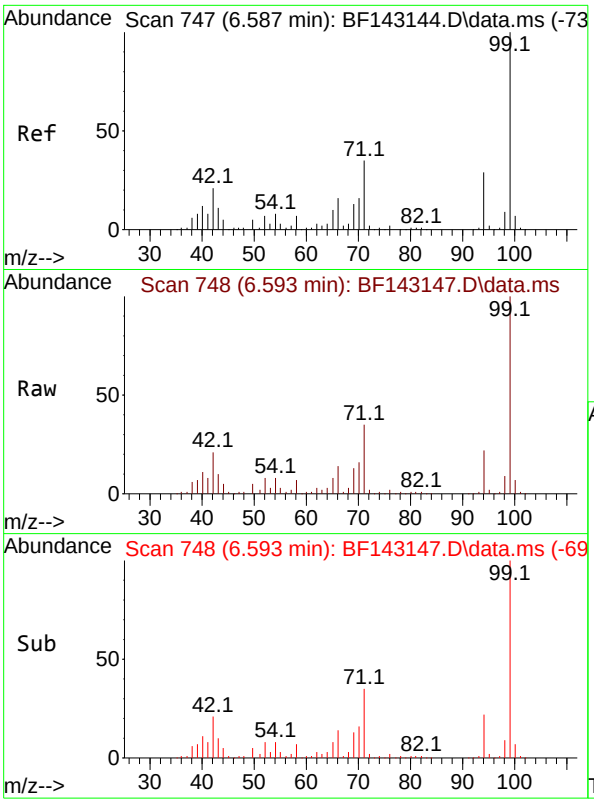


#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 1170943

Ion	Ratio	Lower	Upper
93	100		
66	42.9	33.2	49.8
65	21.6	16.9	25.3



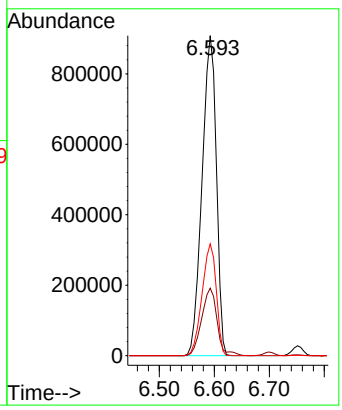


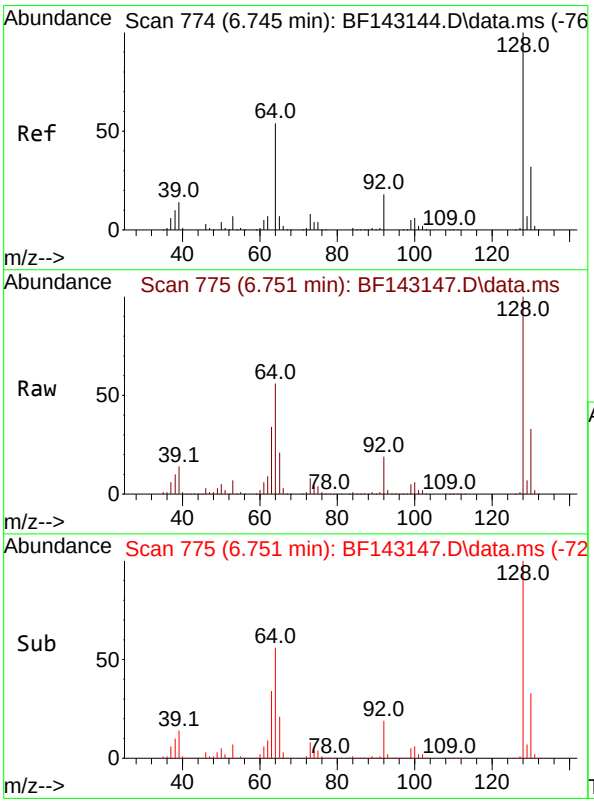
#7
Phenol-d6
Concen: 142.159 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 1639937

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	35.0	27.7	41.5

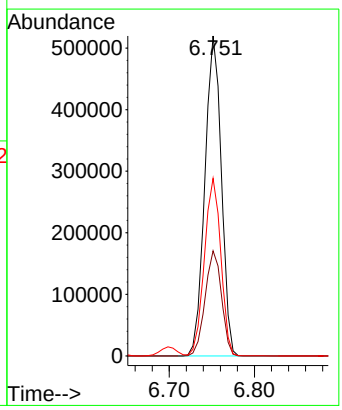


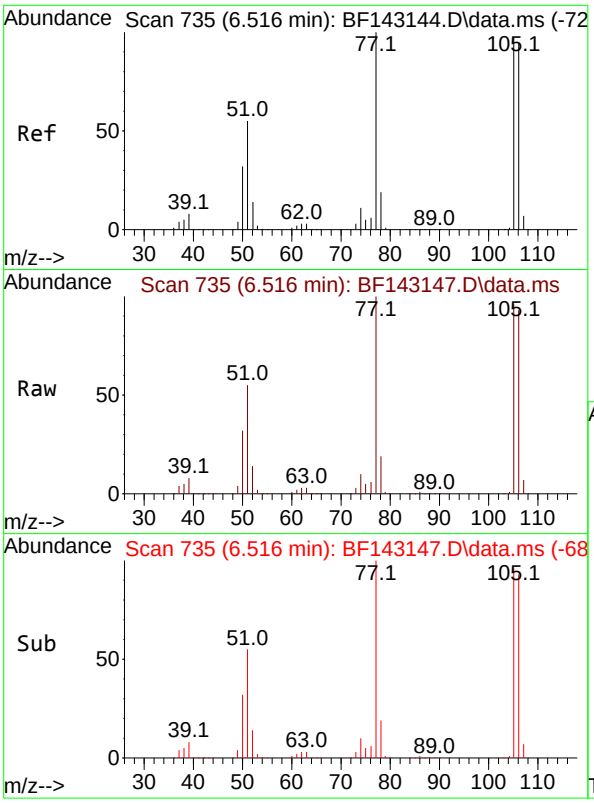


#8
2-Chlorophenol
Concen: 72.781 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:128 Resp: 699193

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	55.5	35.9	75.9



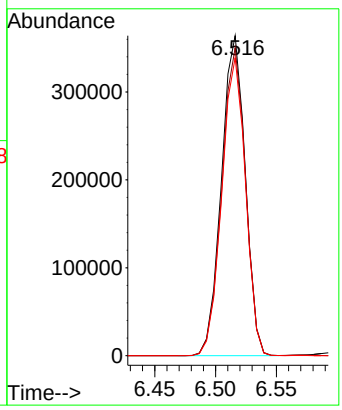


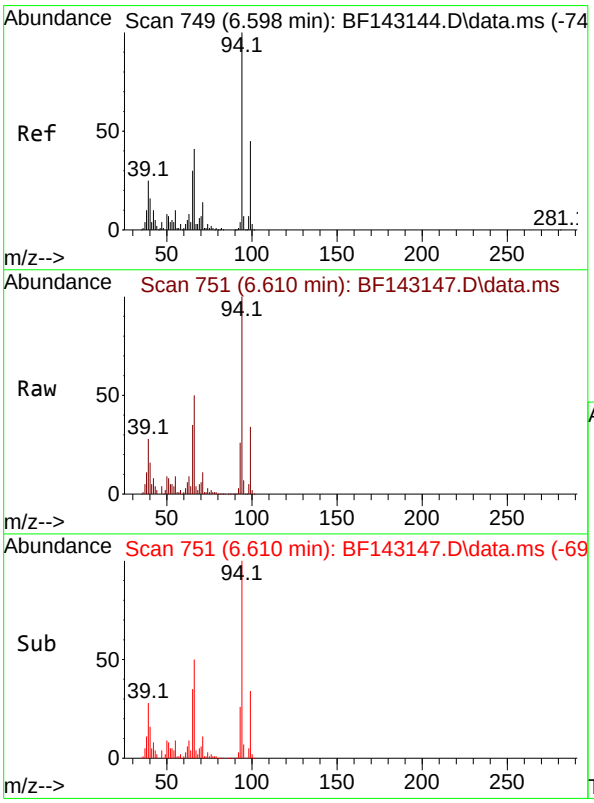
#9
Benzaldehyde
Concen: 57.055 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 493544

Ion	Ratio	Lower	Upper
77	100		
105	96.2	76.8	116.8
106	93.1	74.4	114.4

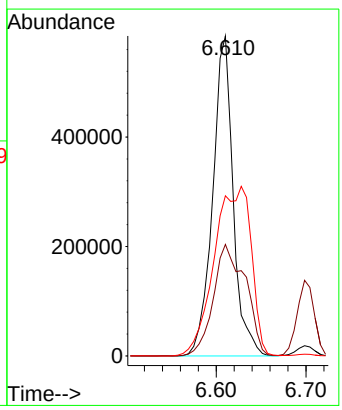


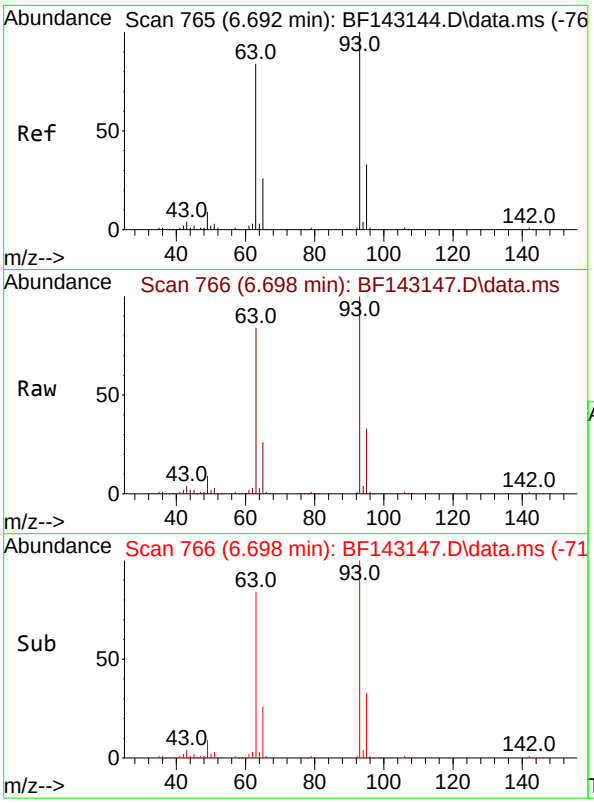


#10
Phenol
Concen: 73.783 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 94 Resp: 927252

Ion	Ratio	Lower	Upper
94	100		
65	34.9	10.0	50.0
66	50.1	20.8	60.8



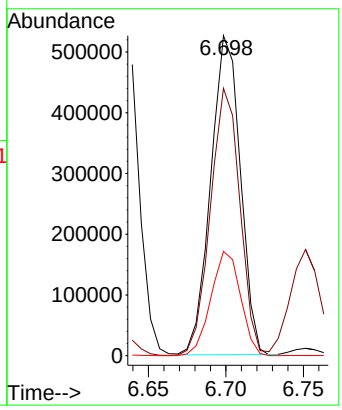


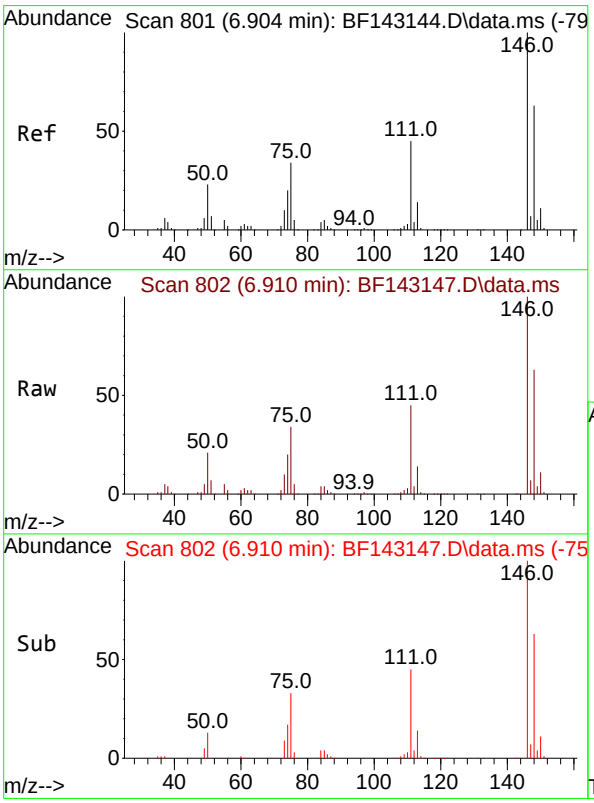
#11
bis(2-Chloroethyl)ether
Concen: 72.503 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 697645

Ion	Ratio	Lower	Upper
93	100		
63	83.6	63.4	103.4
95	32.6	12.4	52.4

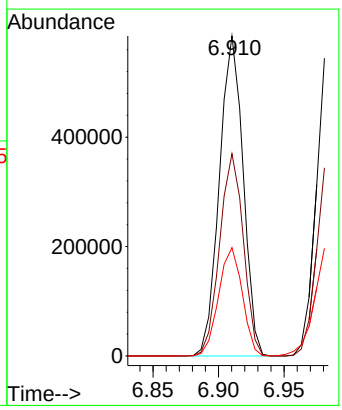


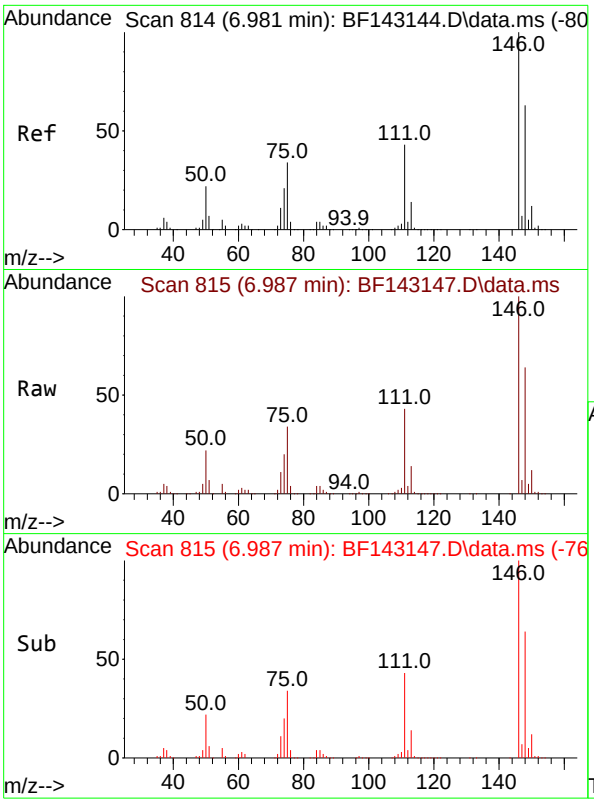


#12
1,3-Dichlorobenzene
Concen: 70.400 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:146 Resp: 734699

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
75	33.9	27.4	41.2



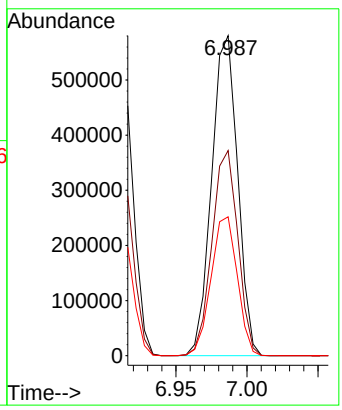


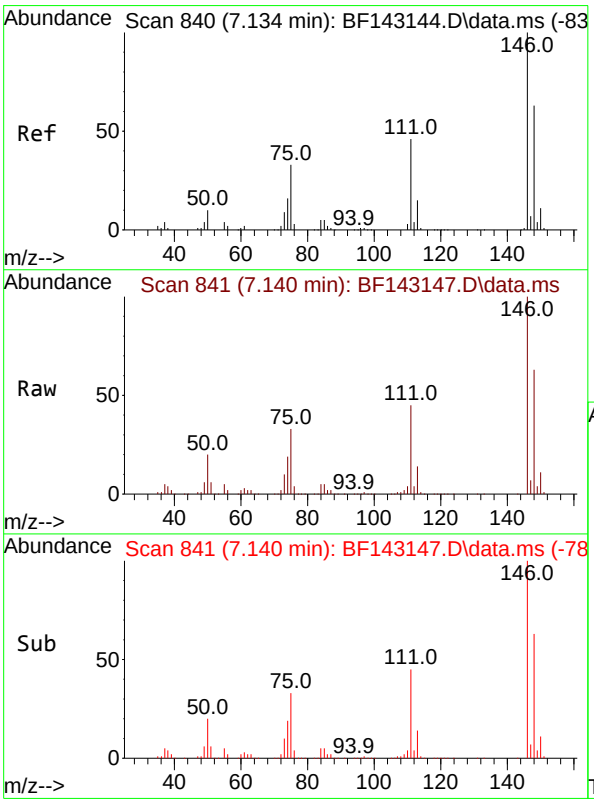
#13
1,4-Dichlorobenzene
Concen: 70.360 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 739462

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	43.4	34.4	51.6

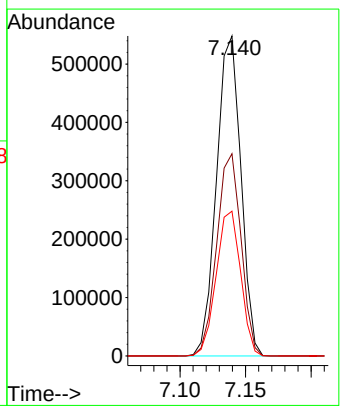


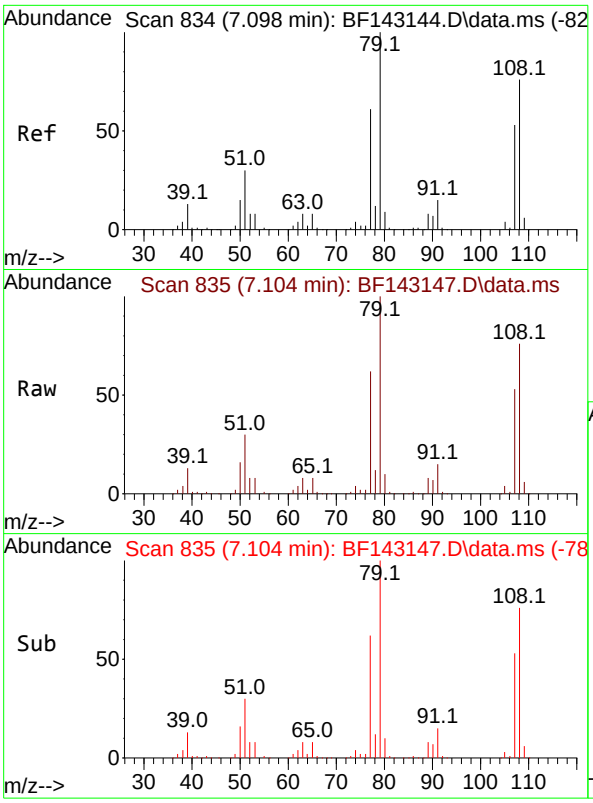


#14
1,2-Dichlorobenzene
Concen: 70.958 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:146 Resp: 709300

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.7	76.1
111	45.3	36.6	54.8



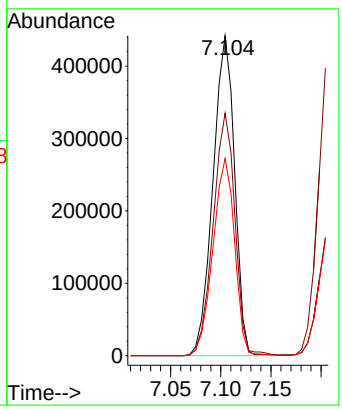


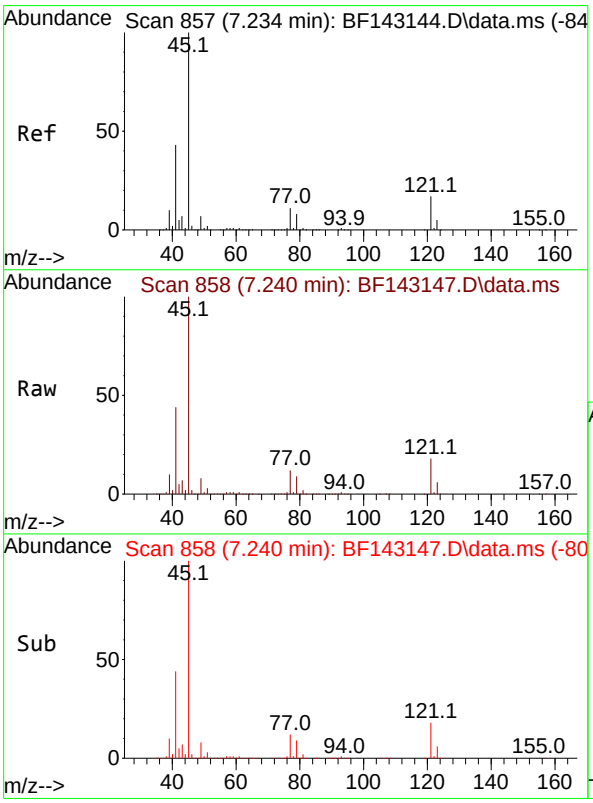
#15
Benzyl Alcohol
Concen: 75.139 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 661847

Ion	Ratio	Lower	Upper
79	100		
108	75.8	61.1	91.7
77	61.6	48.9	73.3

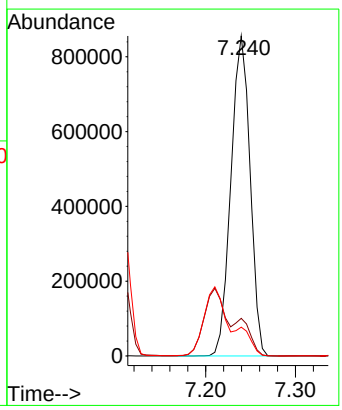


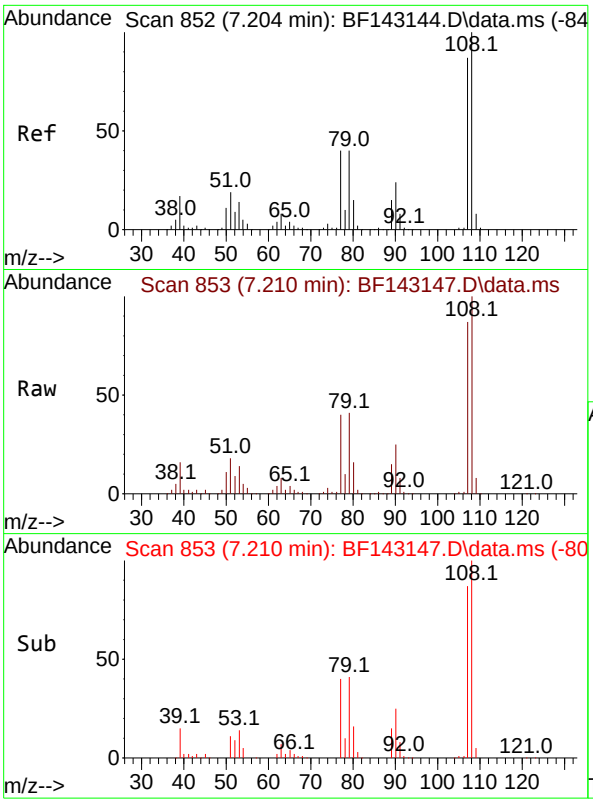


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.902 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 45 Resp: 1265589

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.2
79	9.0	0.0	28.5



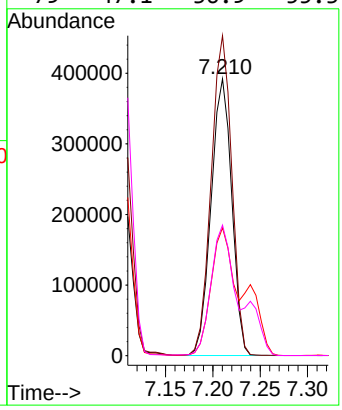


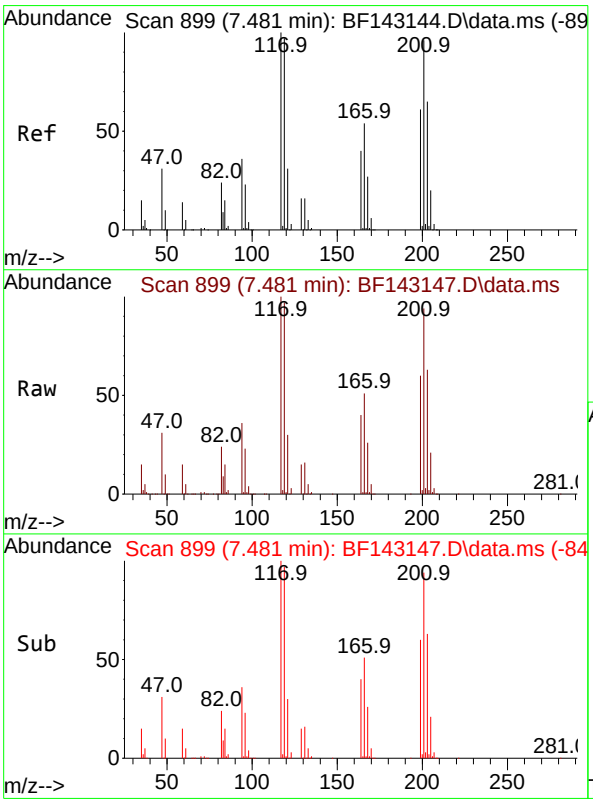
#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 595477

Ion	Ratio	Lower	Upper
107	100		
108	115.6	91.8	137.6
77	46.2	37.0	55.6
79	47.1	36.9	55.3

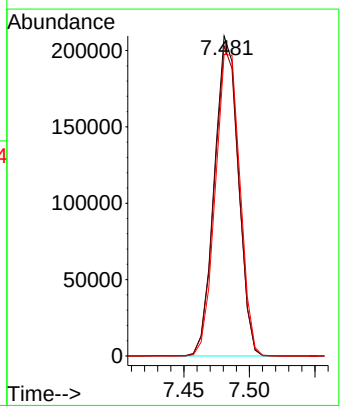


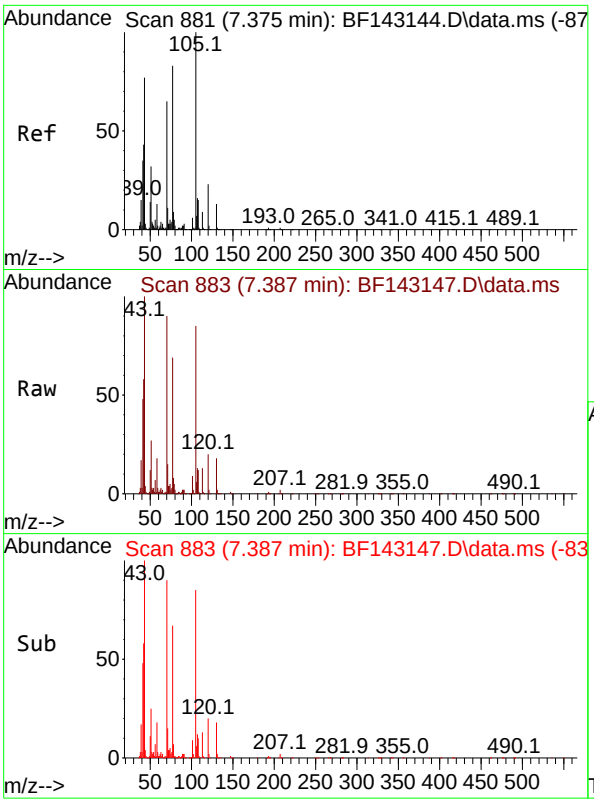


#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:117 Resp: 266665

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.8	116.8
201	94.3	77.0	115.4



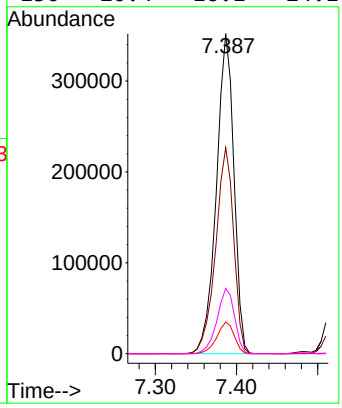


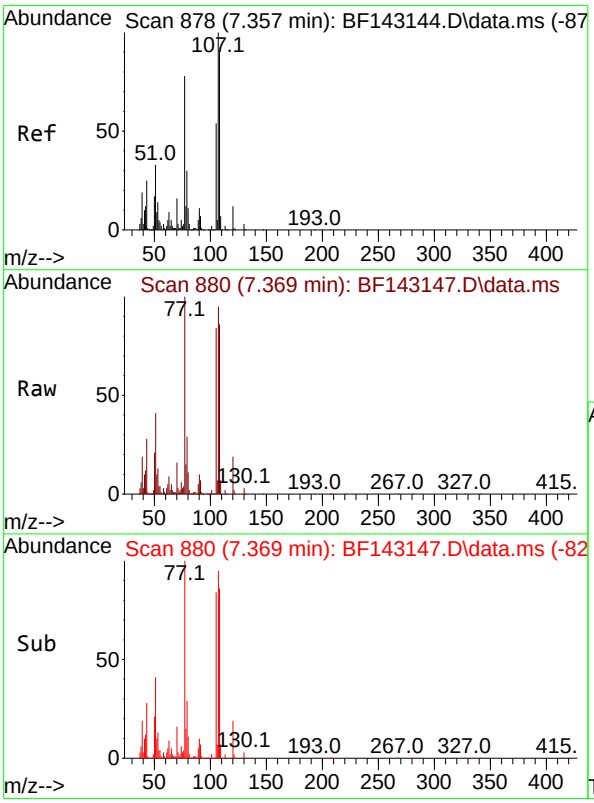
#19
n-Nitroso-di-n-propylamine
Concen: 71.452 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 528820

Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.9	7.6	11.4
130	20.4	16.1	24.1

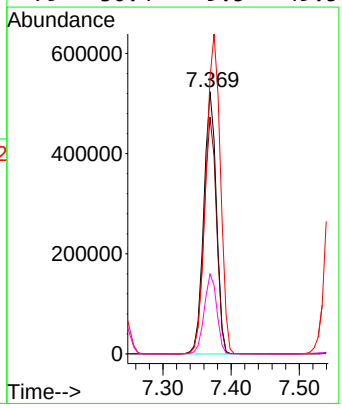


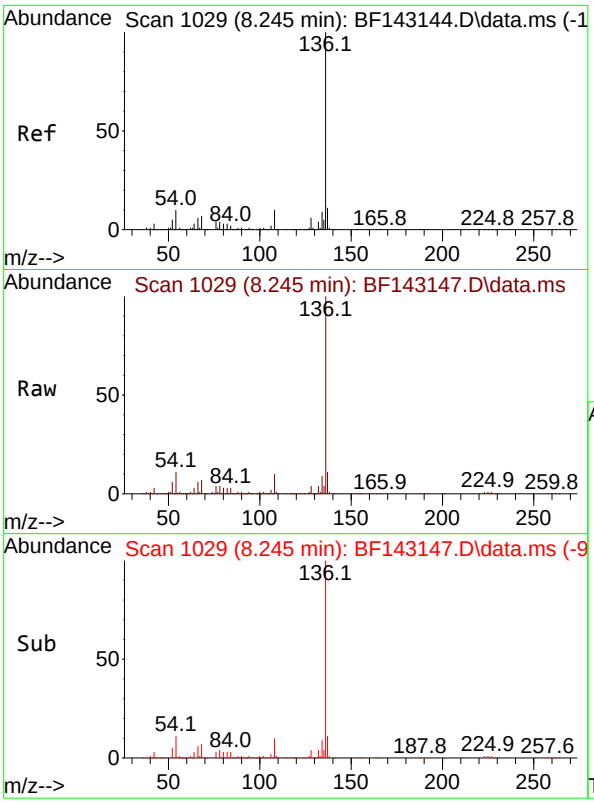


#20
3+4-Methylphenols
Concen: 68.763 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 673906

Ion	Ratio	Lower	Upper
107	100		
108	90.3	70.0	110.0
77	105.4	57.8	97.8#
79	30.4	9.5	49.5



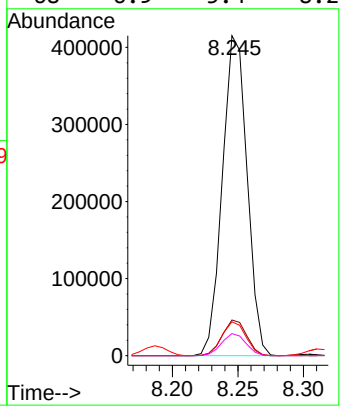


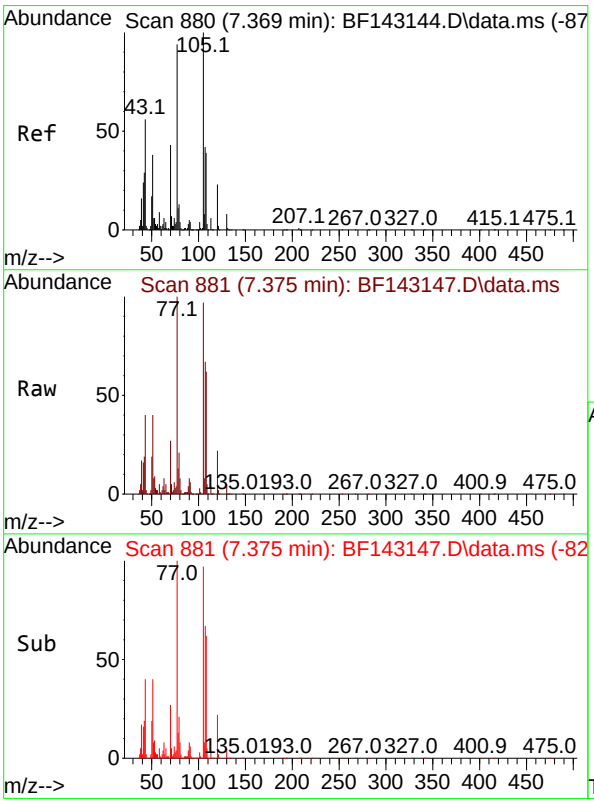
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 544516

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.6	8.2	12.2
68	6.9	5.4	8.2

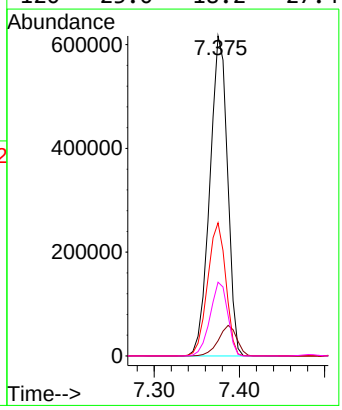


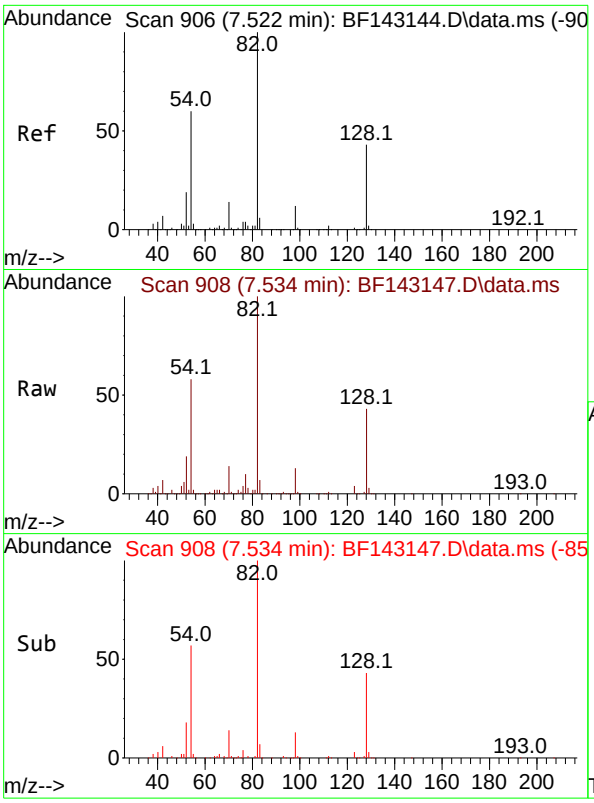


#22
Acetophenone
Concen: 69.107 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:105 Resp: 890890

Ion	Ratio	Lower	Upper
105	100		
71	4.8	5.8	8.6#
51	41.6	30.2	45.2
120	23.0	18.2	27.4



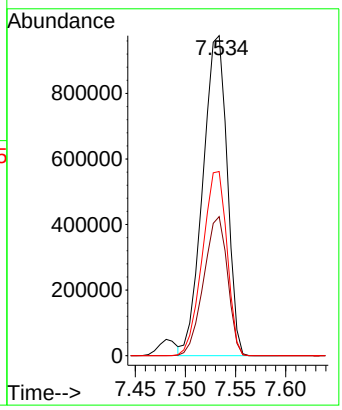


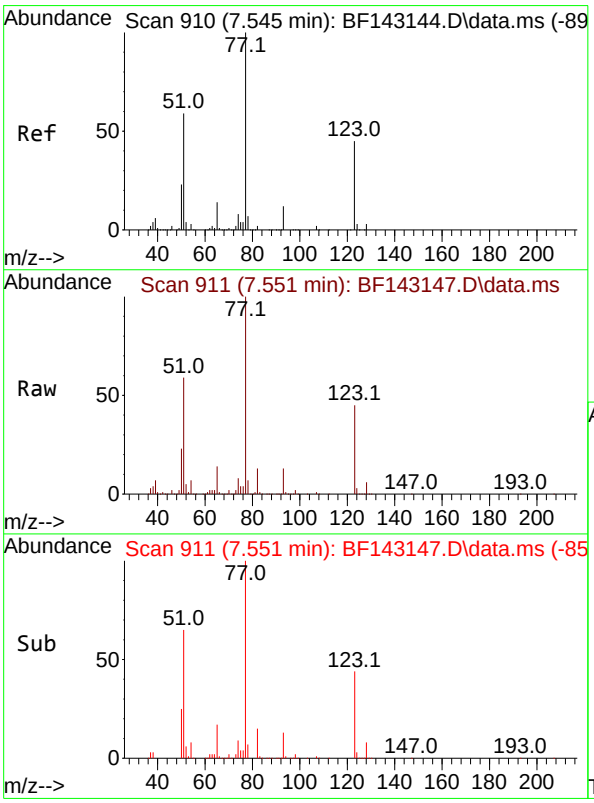
#23
Nitrobenzene-d5
Concen: 150.551 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1644581

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	57.5	47.1	70.7

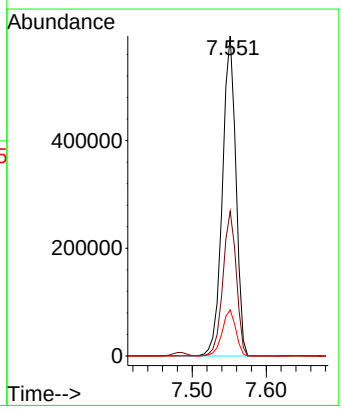


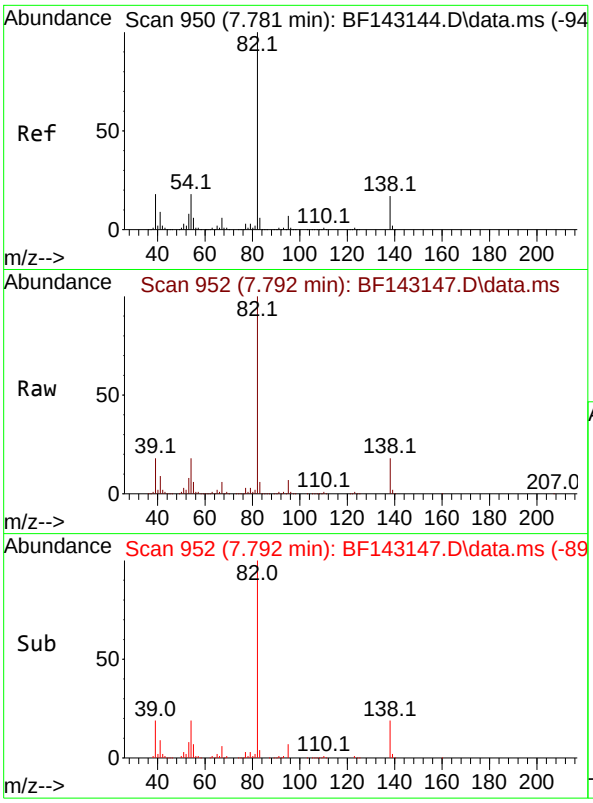


#24
Nitrobenzene
Concen: 73.836 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 77 Resp: 751964

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.4	11.4	17.2



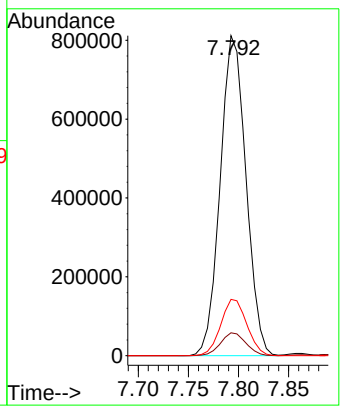


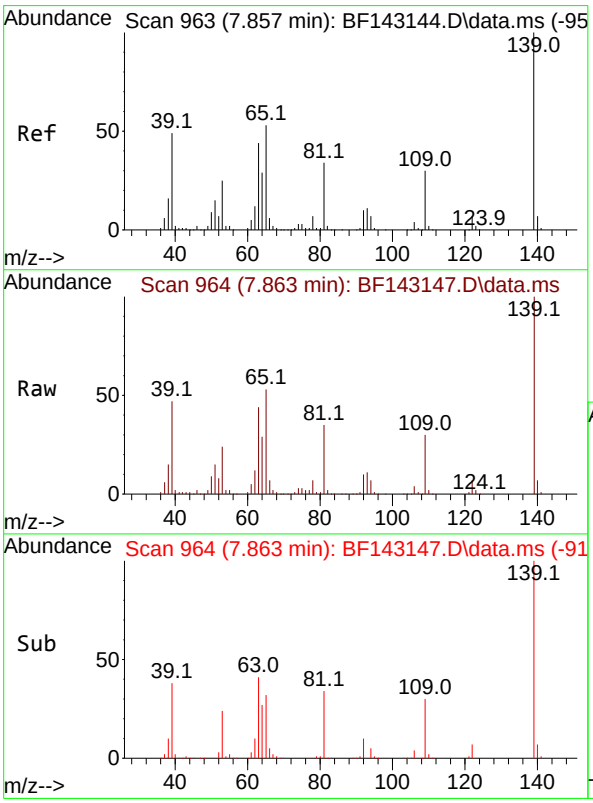
#25
Isophorone
Concen: 75.366 ng
RT: 7.792 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1453353

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	17.6	13.8	20.8

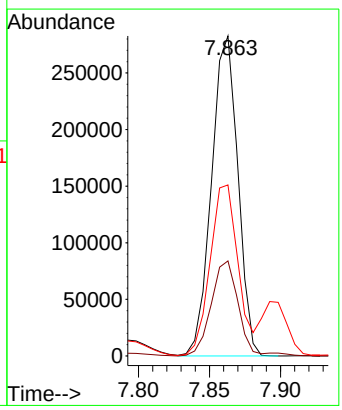


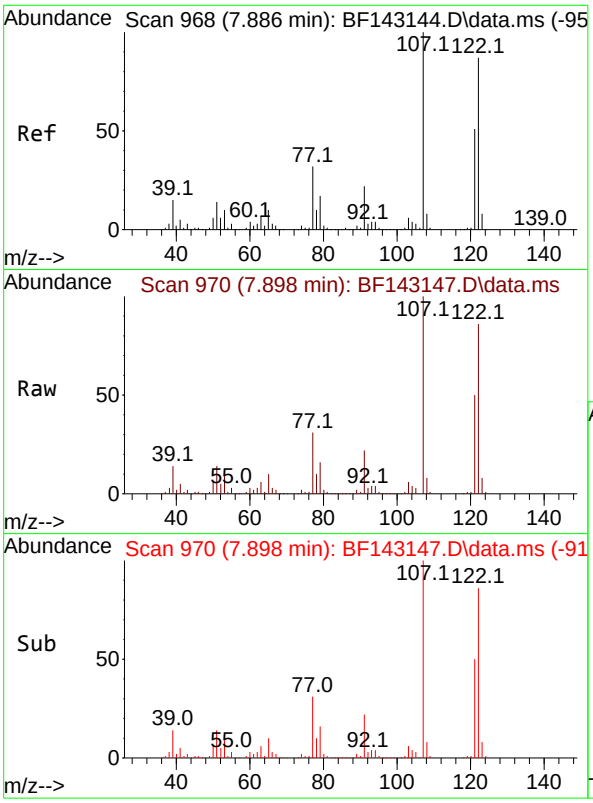


#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 364951

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.6	35.4
65	53.4	42.6	64.0



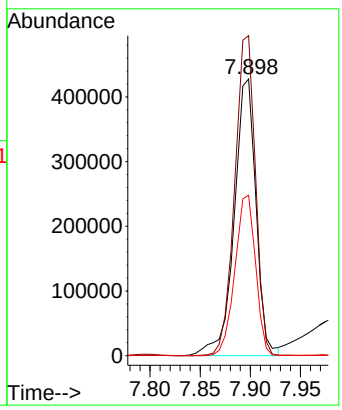


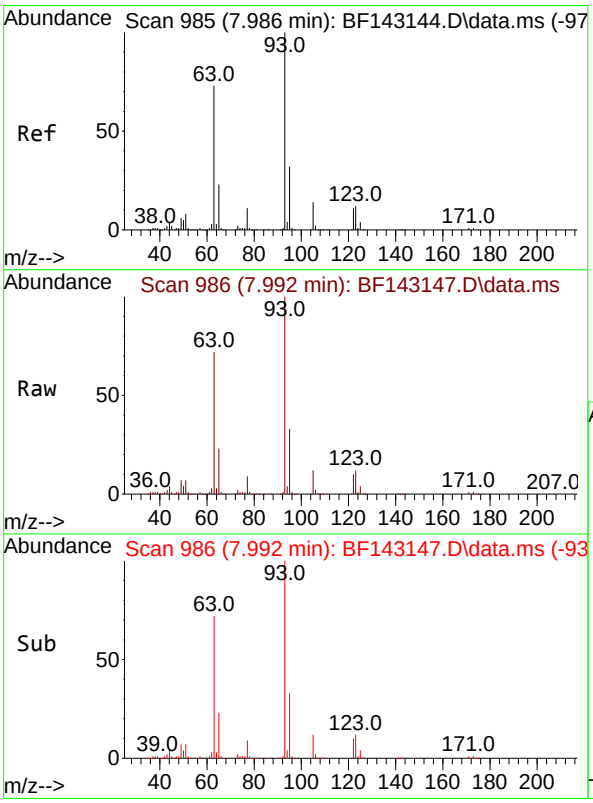
#27
2,4-Dimethylphenol
Concen: 72.050 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 649144

Ion	Ratio	Lower	Upper
122	100		
107	115.7	91.8	137.6
121	58.0	46.3	69.5

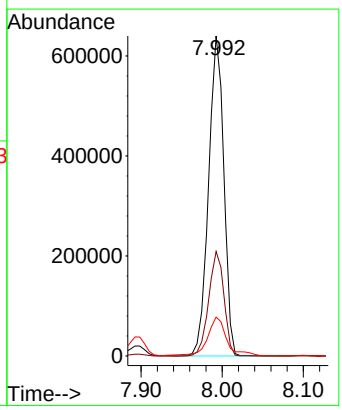


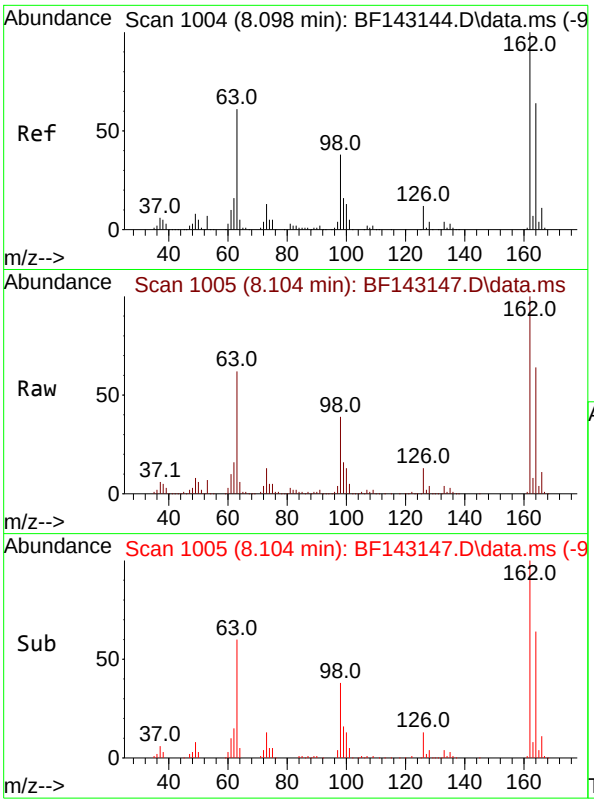


#28
bis(2-Chloroethoxy)methane
Concen: 72.134 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 93 Resp: 834021

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	12.2	9.7	14.5



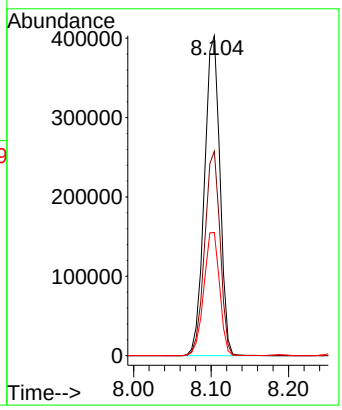


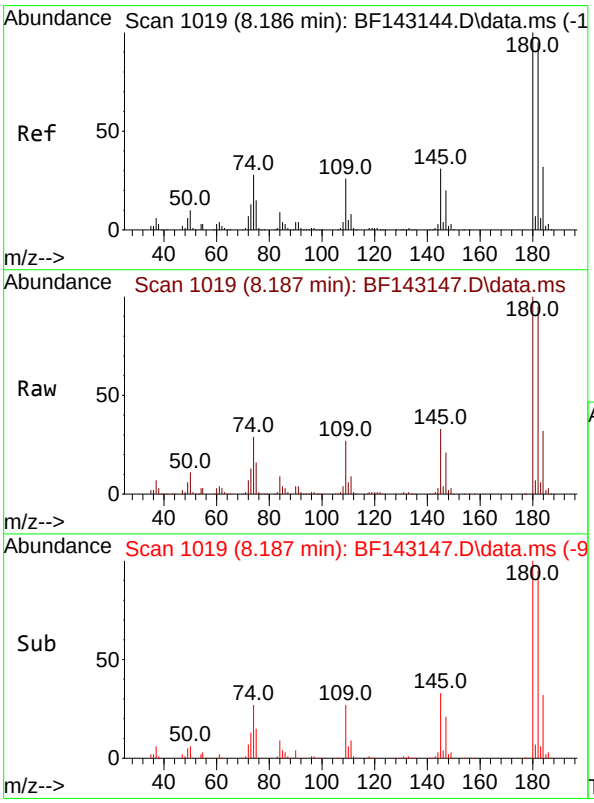
#29
2,4-Dichlorophenol
Concen: 73.527 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 558665

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	38.5	17.9	57.9

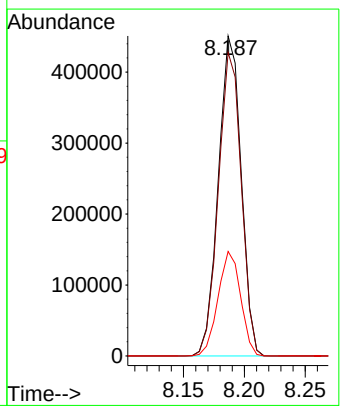


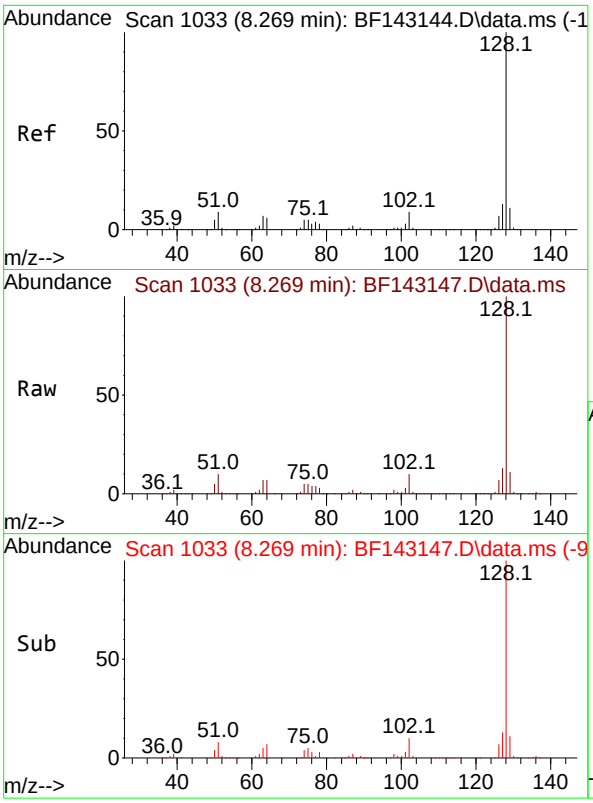


#30
1,2,4-Trichlorobenzene
Concen: 71.673 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:180 Resp: 588333

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	32.7	25.0	37.6



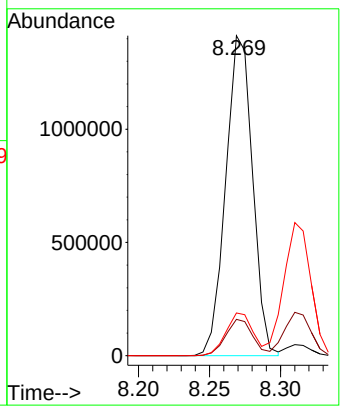


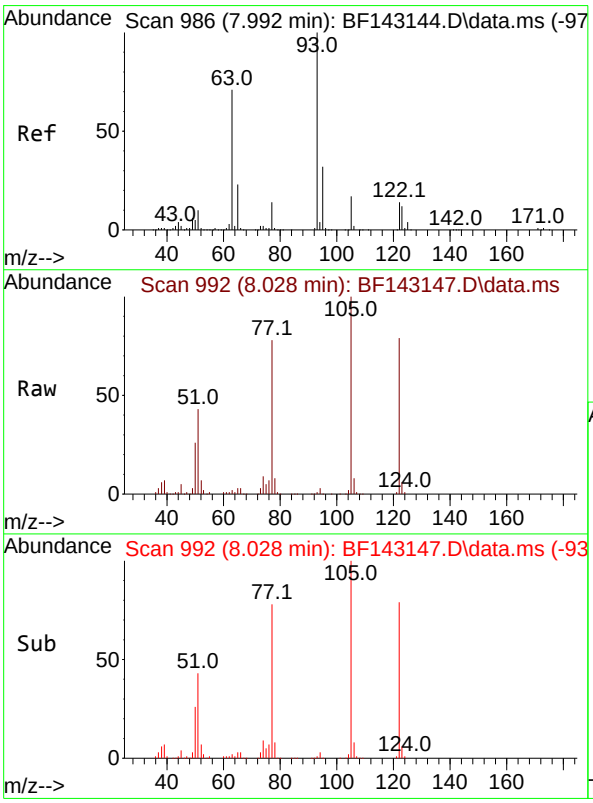
#31
Naphthalene
Concen: 69.150 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 1854387

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	10.6	16.0

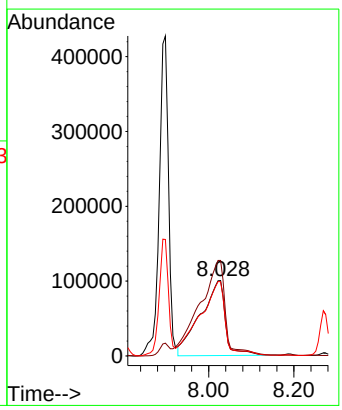


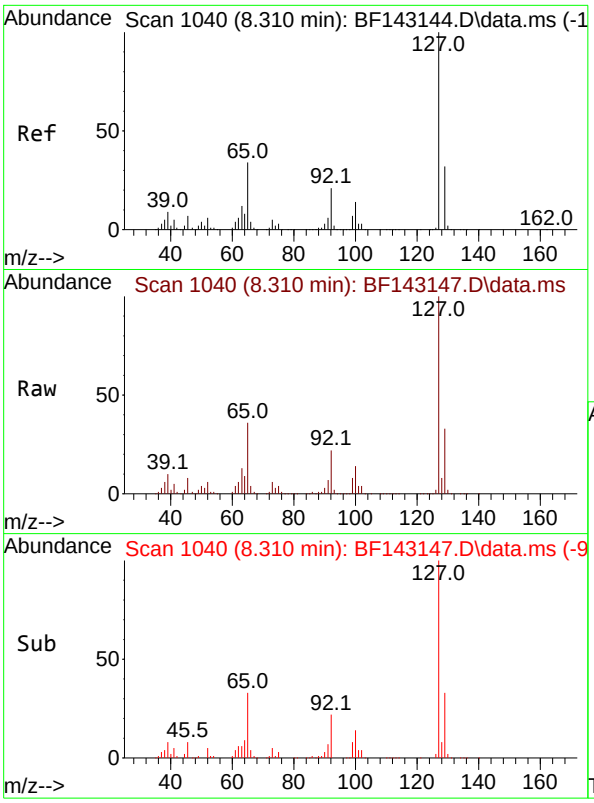


#32
Benzoic acid
Concen: 77.395 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:122 Resp: 409976

Ion	Ratio	Lower	Upper
122	100		
105	126.7	104.8	144.8
77	98.6	77.6	117.6



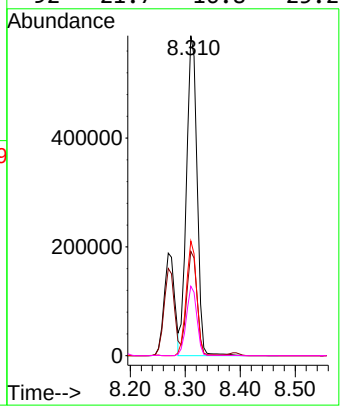


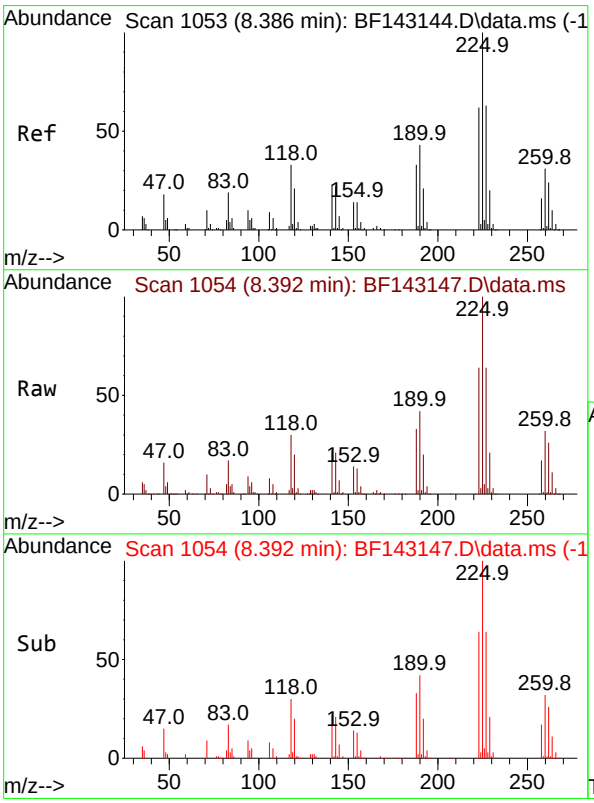
#33
4-Chloroaniline
Concen: 71.895 ng
RT: 8.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 787243

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	35.9	27.4	41.2
92	21.7	16.8	25.2

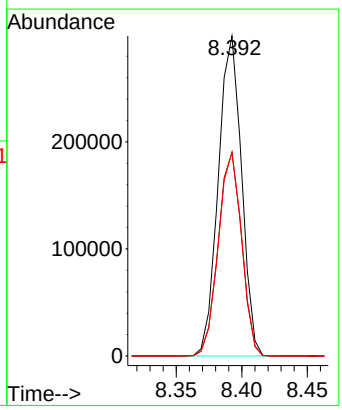


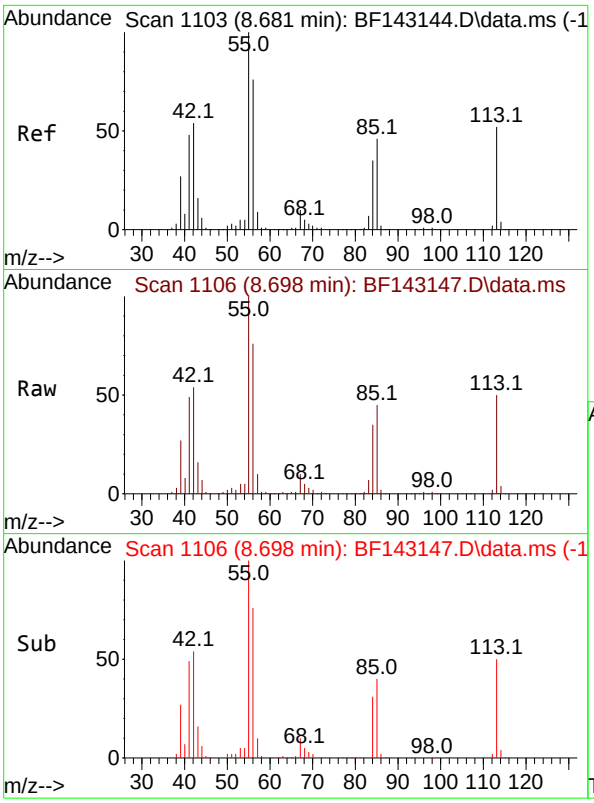


#34
Hexachlorobutadiene
Concen: 73.453 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:225 Resp: 368327

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.8	74.6
227	63.7	50.2	75.4



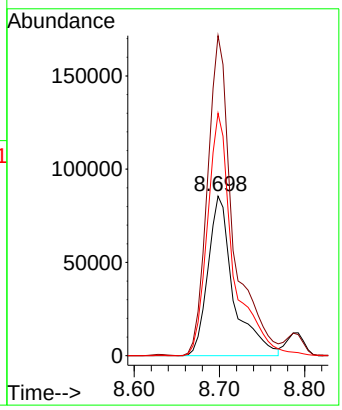


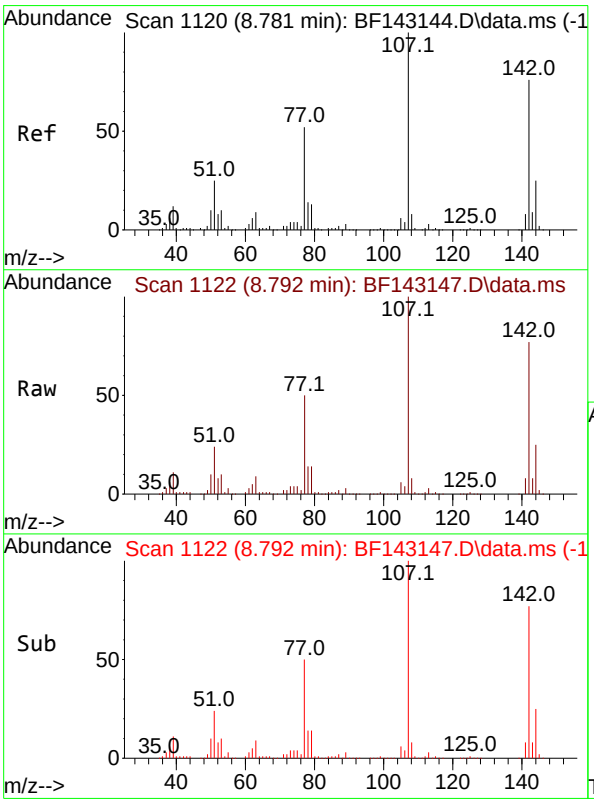
#35
Caprolactam
Concen: 77.644 ng
RT: 8.698 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 178271

Ion	Ratio	Lower	Upper
113	100		
55	200.6	174.0	214.0
56	152.0	126.6	166.6

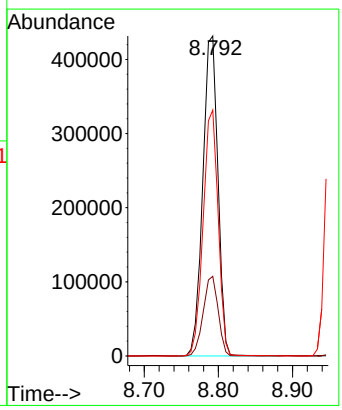


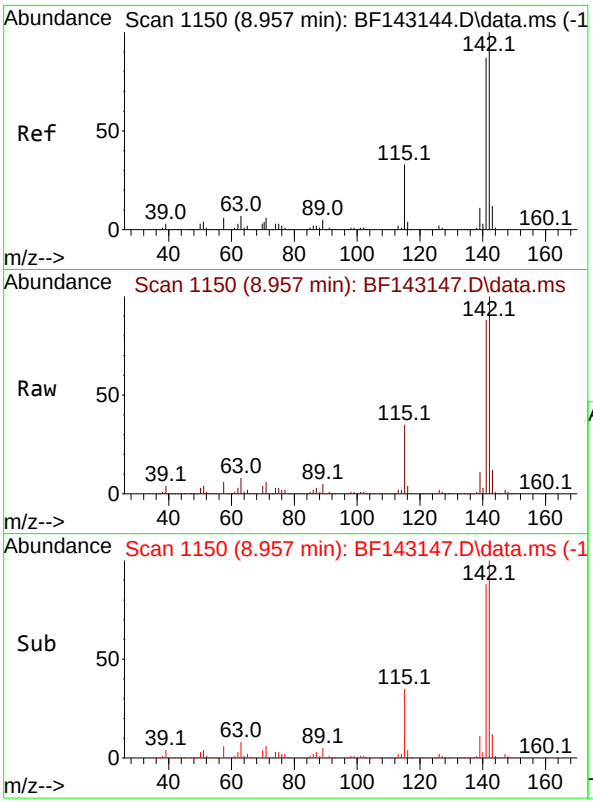


#36
4-Chloro-3-methylphenol
Concen: 74.354 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 614048

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.8	29.6
142	76.9	60.6	90.8



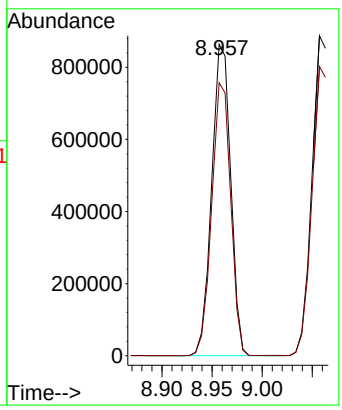


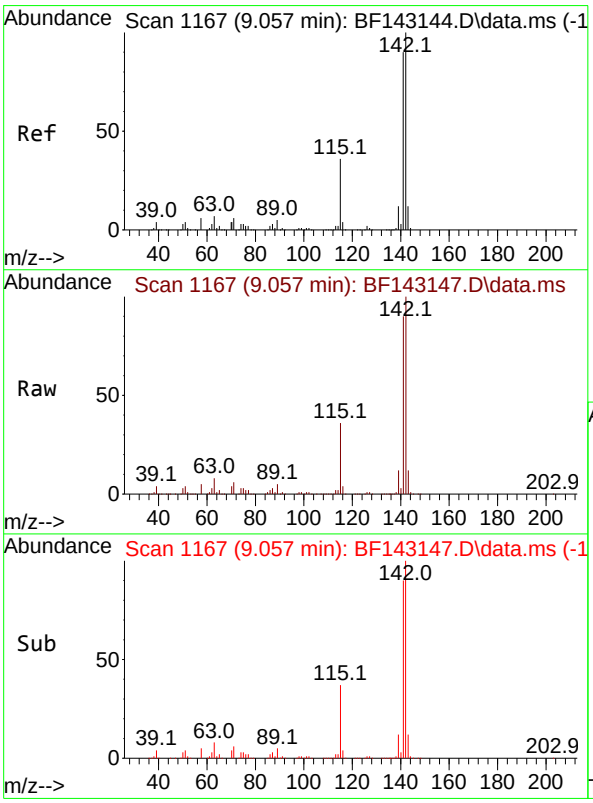
#37
2-Methylnaphthalene
Concen: 69.687 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1137176

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9

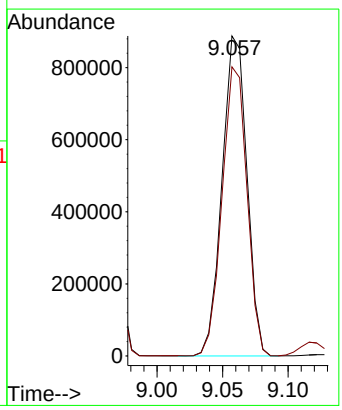


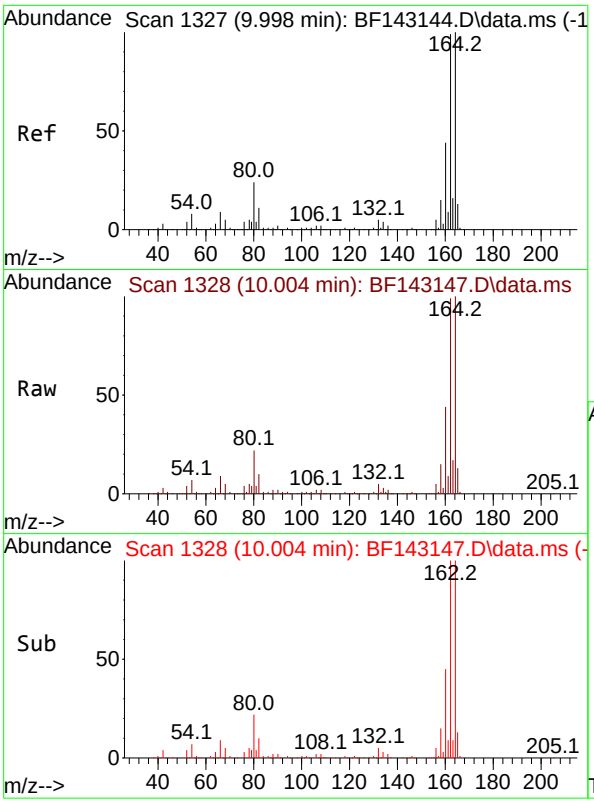


#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 1168702

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5



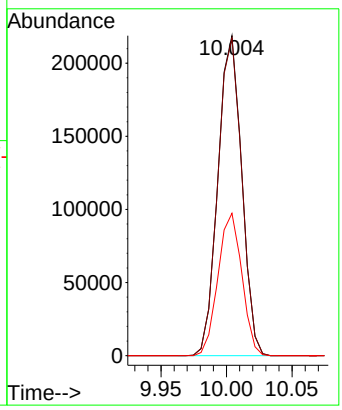


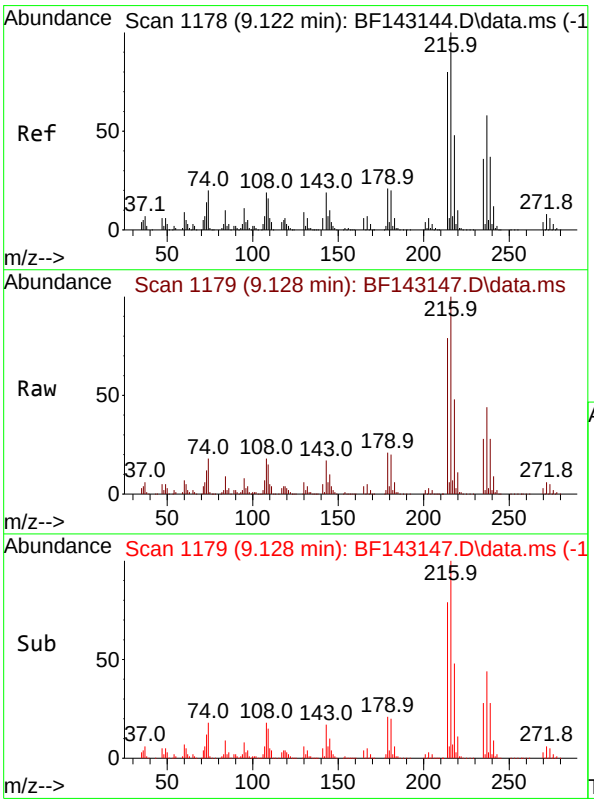
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 275619

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.0	118.6
160	44.5	35.1	52.7

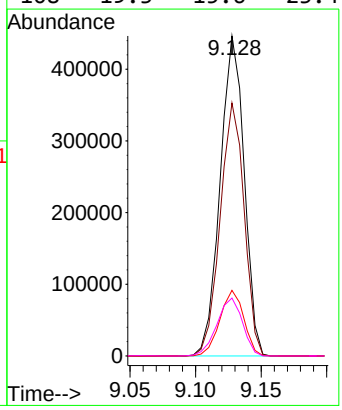


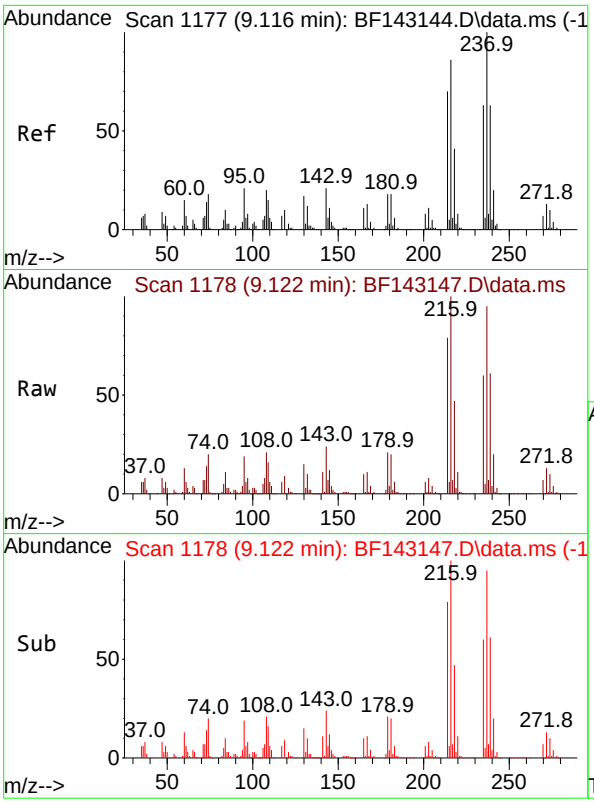


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.389 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:216 Resp: 568070

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.8	95.8
179	20.4	16.4	24.6
108	19.3	15.6	23.4



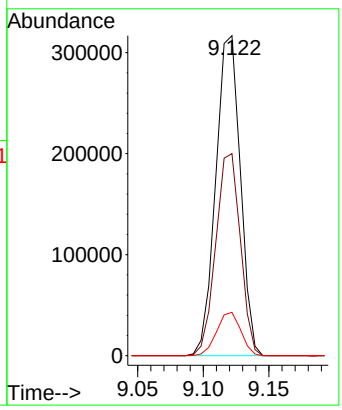


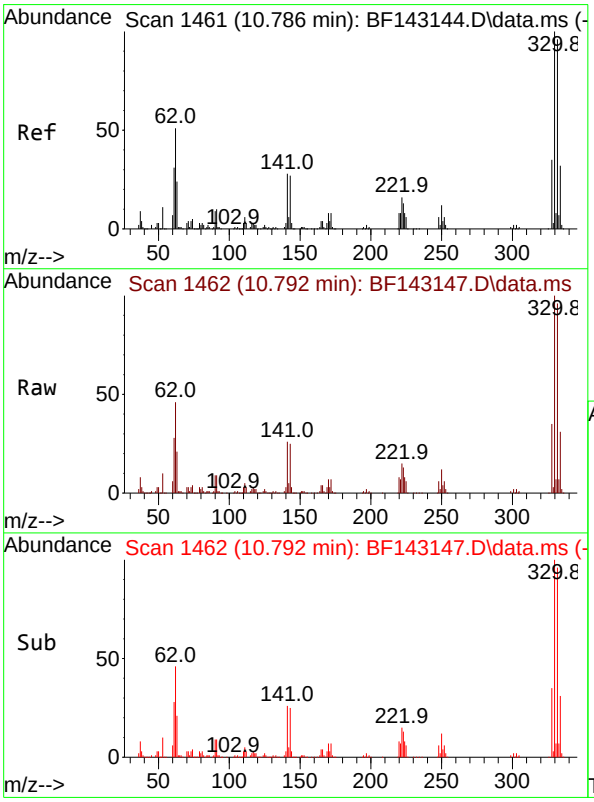
#41
Hexachlorocyclopentadiene
Concen: 79.719 ng
RT: 9.122 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 412756

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.6	0.0	33.3

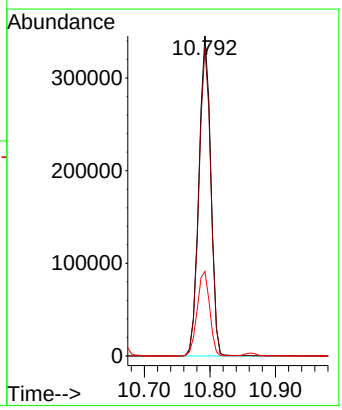


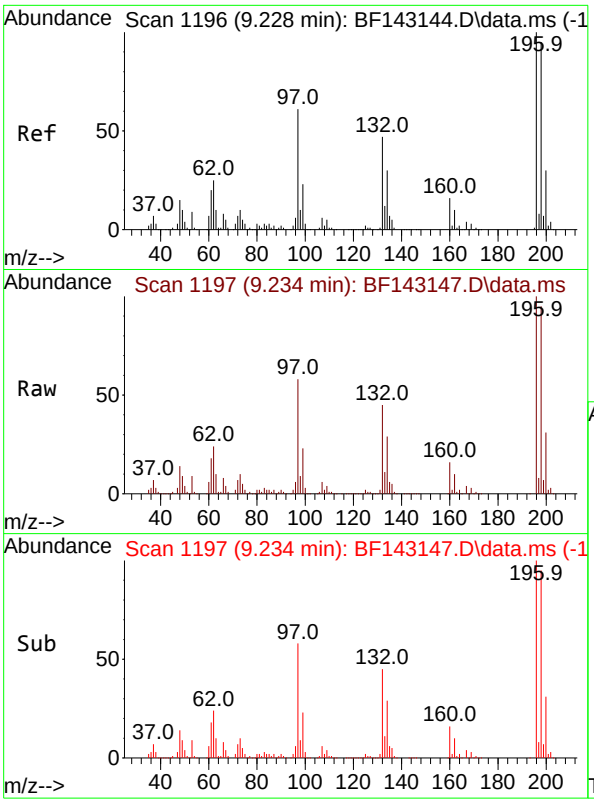


#42
2,4,6-Tribromophenol
Concen: 153.498 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:330 Resp: 437054

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	27.7	23.3	34.9



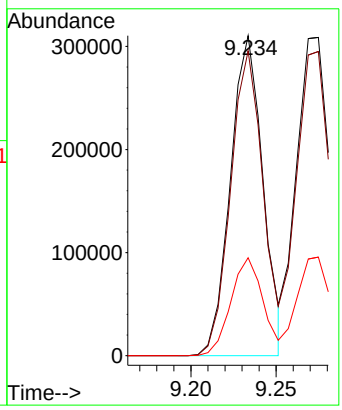


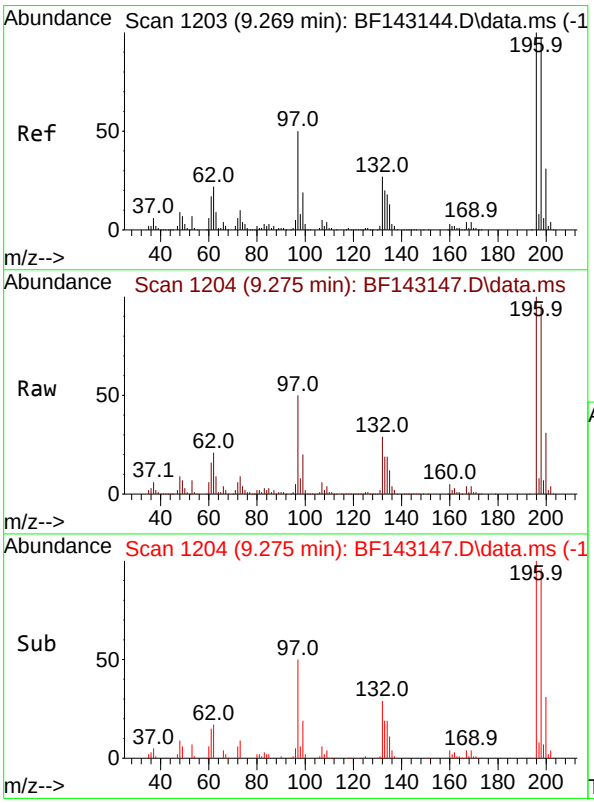
#43
2,4,6-Trichlorophenol
Concen: 74.838 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 412148

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.6	23.9	35.9

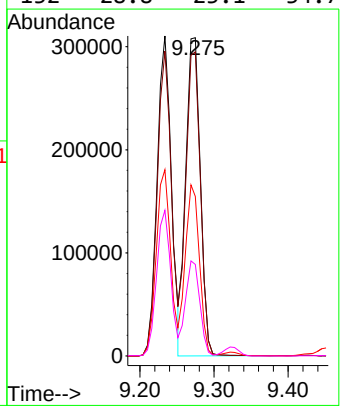


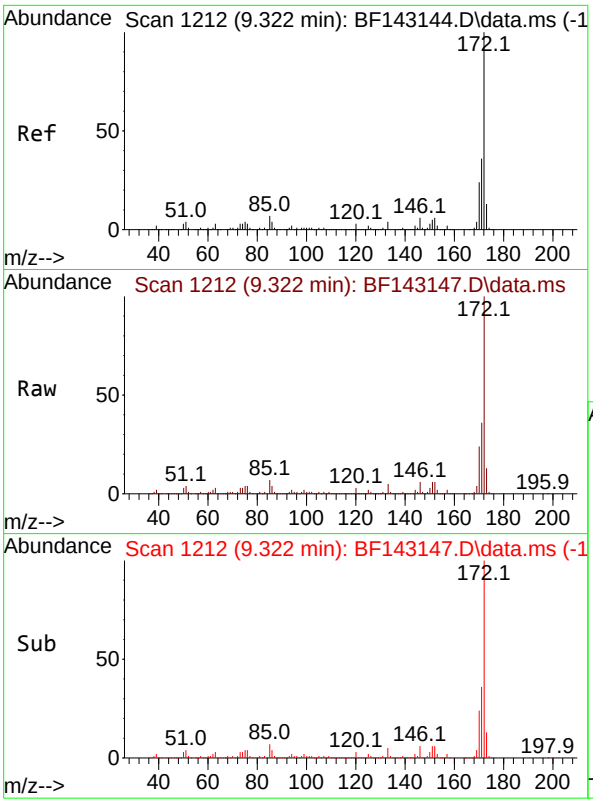


#44
2,4,5-Trichlorophenol
Concen: 76.888 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:196 Resp: 423565

Ion	Ratio	Lower	Upper
196	100		
198	95.6	77.3	115.9
97	50.1	40.3	60.5
132	28.8	23.1	34.7



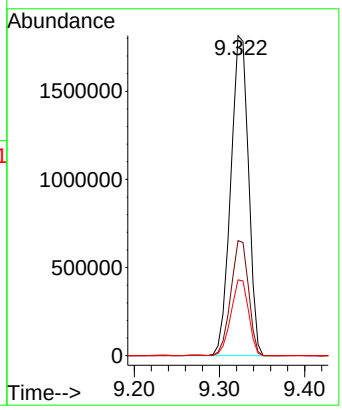


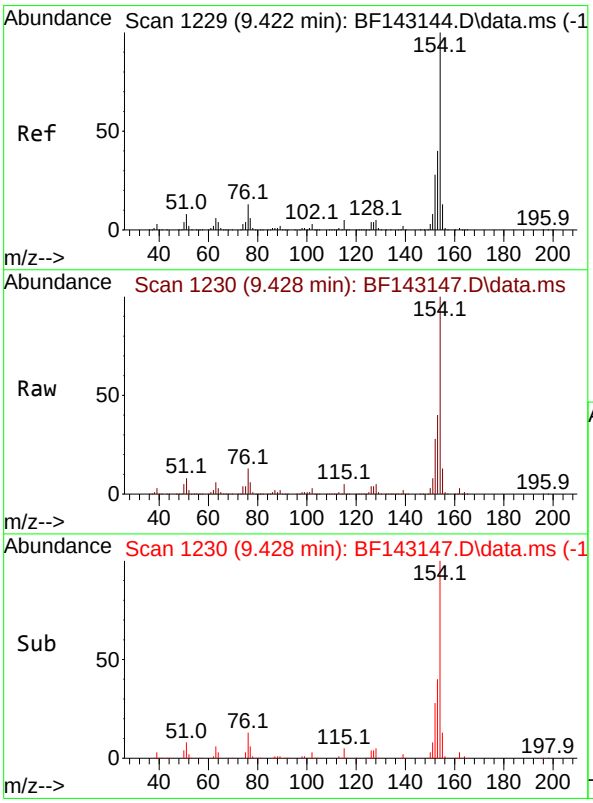
#45
2-Fluorobiphenyl
Concen: 130.157 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2623071

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	23.7	18.8	28.2

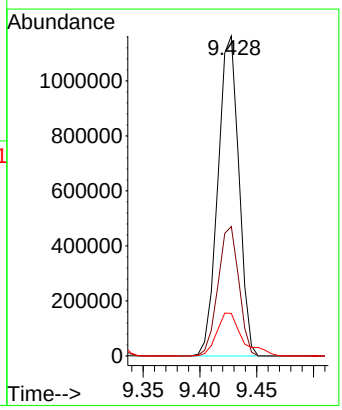


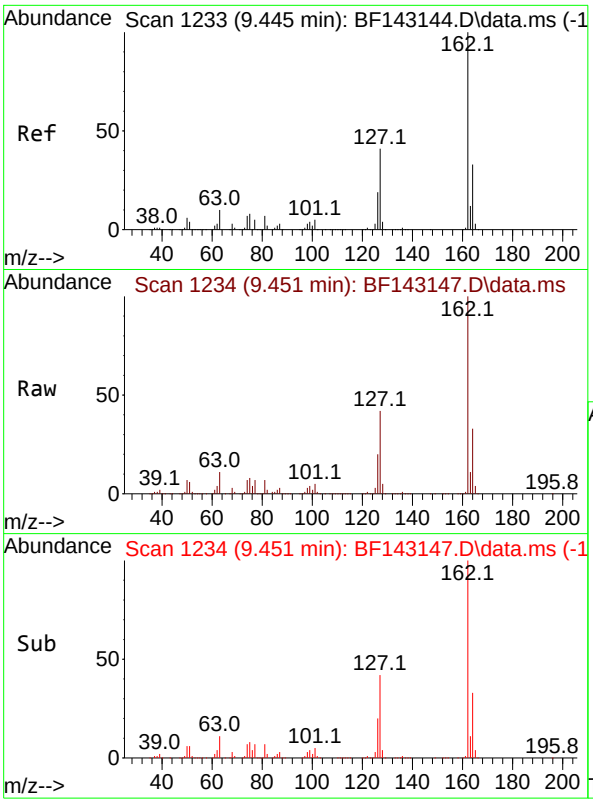


#46
1,1'-Biphenyl
Concen: 69.388 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:154 Resp: 1492094

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.3	60.3
76	13.3	0.0	33.3



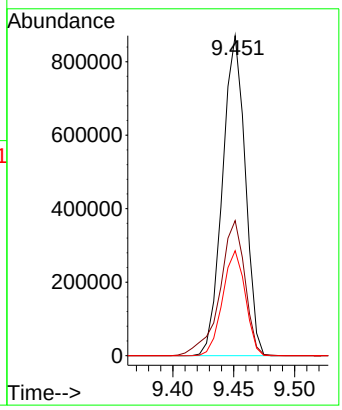


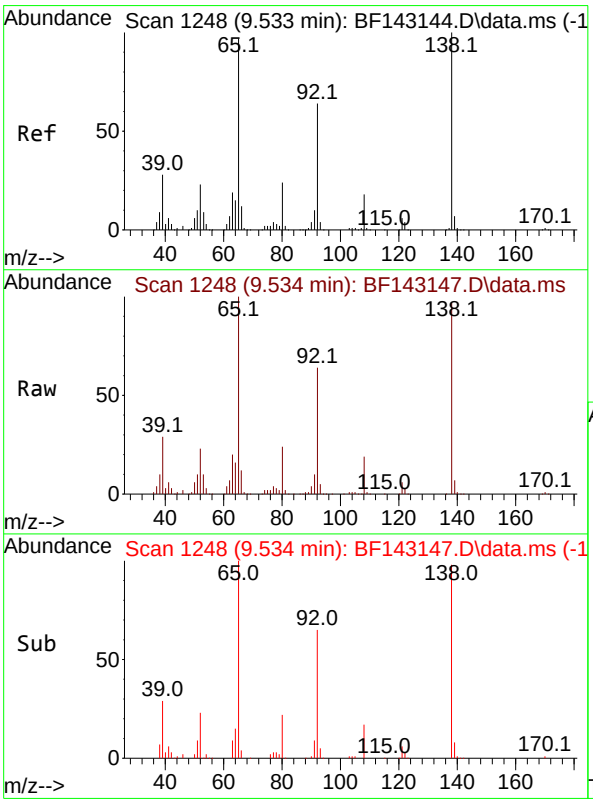
#47
2-Chloronaphthalene
Concen: 71.122 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1131626

Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.4	50.2
164	32.8	26.2	39.2

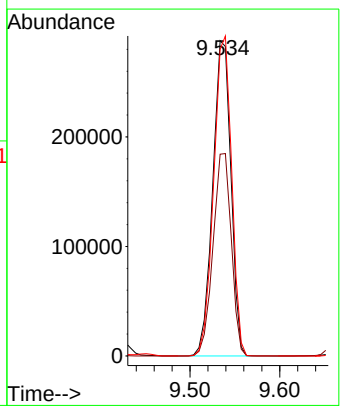


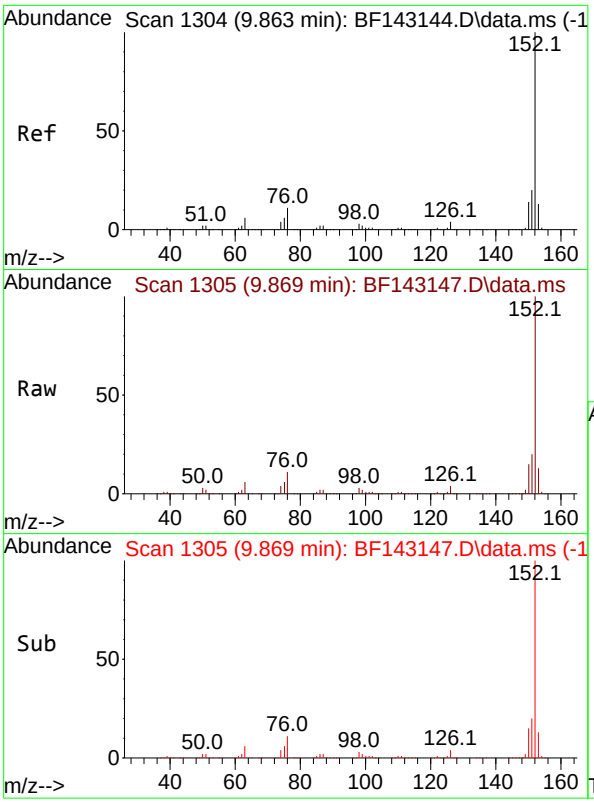


#48
2-Nitroaniline
Concen: 80.971 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 65 Resp: 404023

Ion	Ratio	Lower	Upper
65	100		
92	64.0	52.4	78.6
138	97.3	82.3	123.5



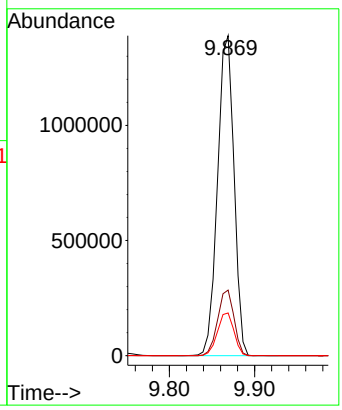


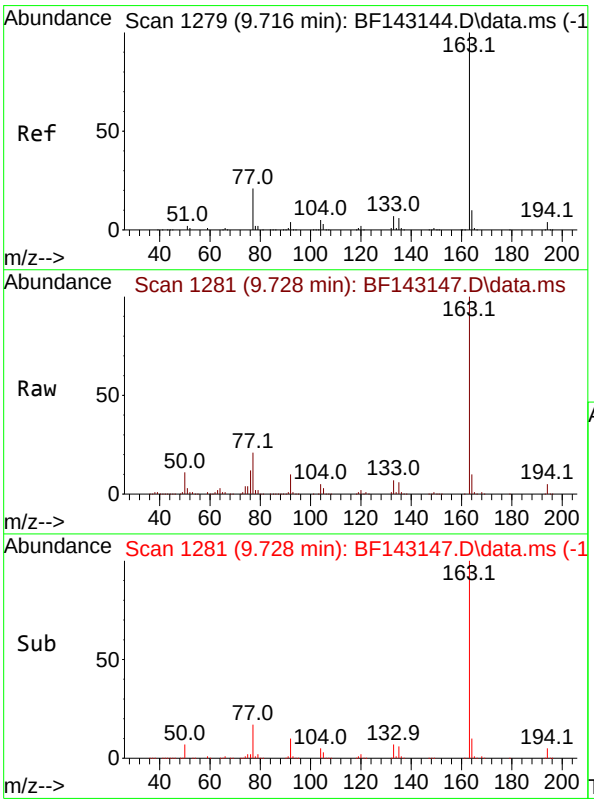
#49
Acenaphthylene
Concen: 70.057 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 1868062

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.4	10.6	16.0

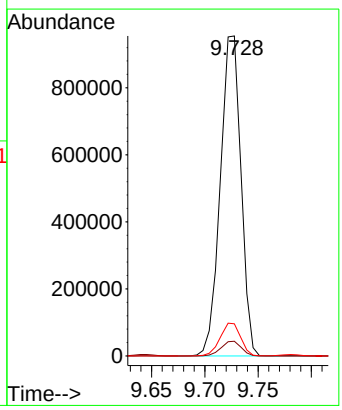


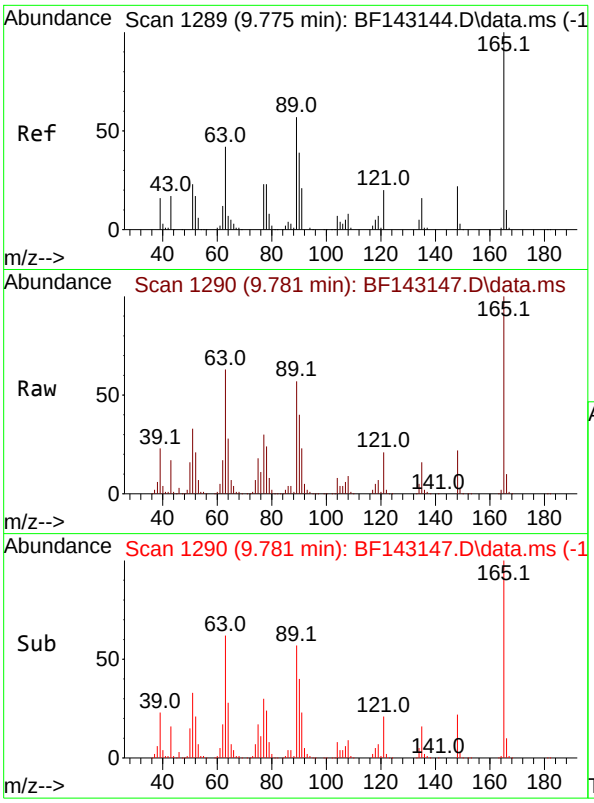


#50
Dimethylphthalate
Concen: 71.723 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:163 Resp: 1288559

Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.0	8.3	12.5



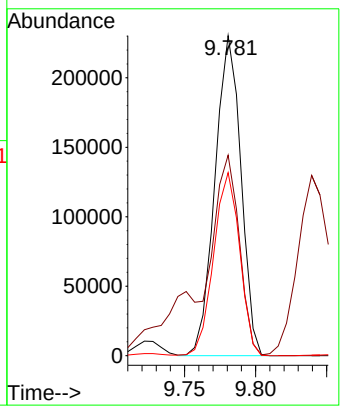


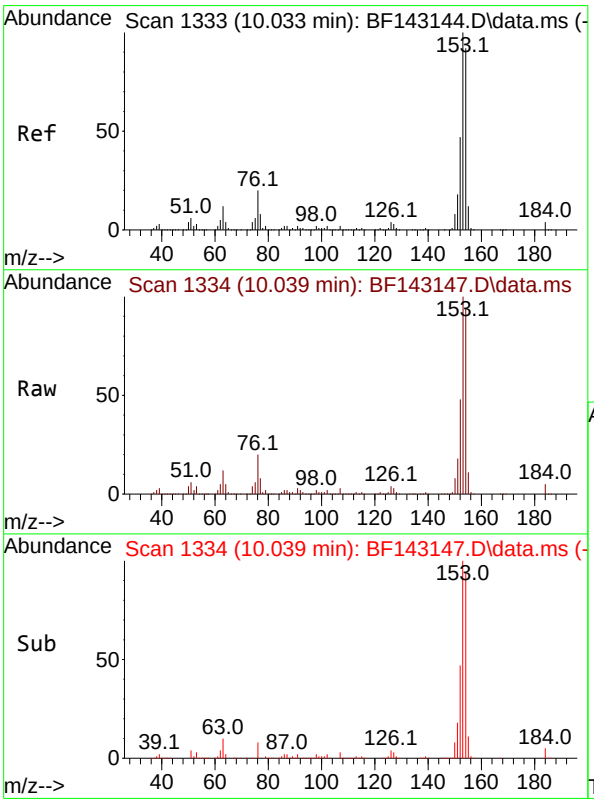
#51
2,6-Dinitrotoluene
Concen: 80.093 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 292718

Ion	Ratio	Lower	Upper
165	100		
63	62.6	49.4	74.2
89	57.2	46.2	69.2

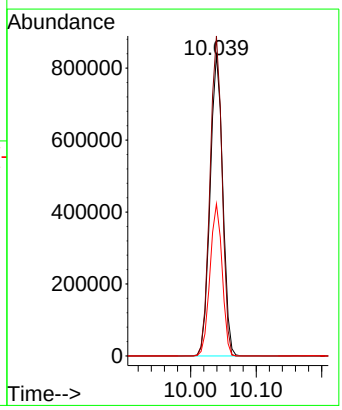


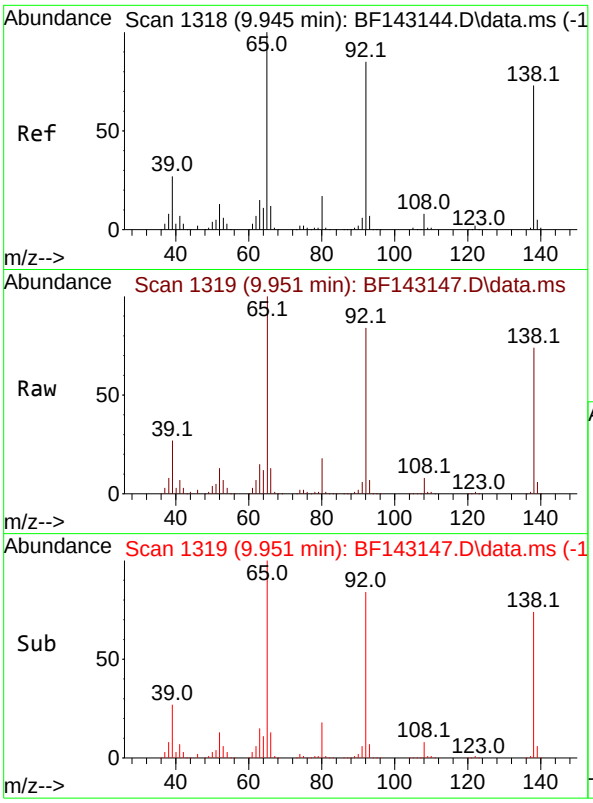


#52
Acenaphthene
Concen: 71.086 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:154 Resp: 1120315

Ion	Ratio	Lower	Upper
154	100		
153	106.1	86.6	129.8
152	50.4	40.4	60.6



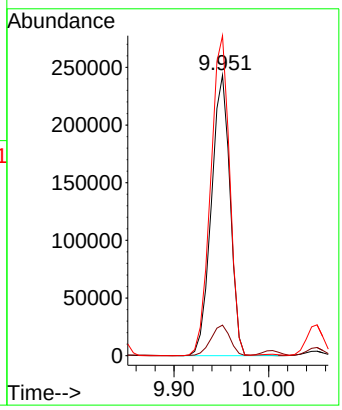


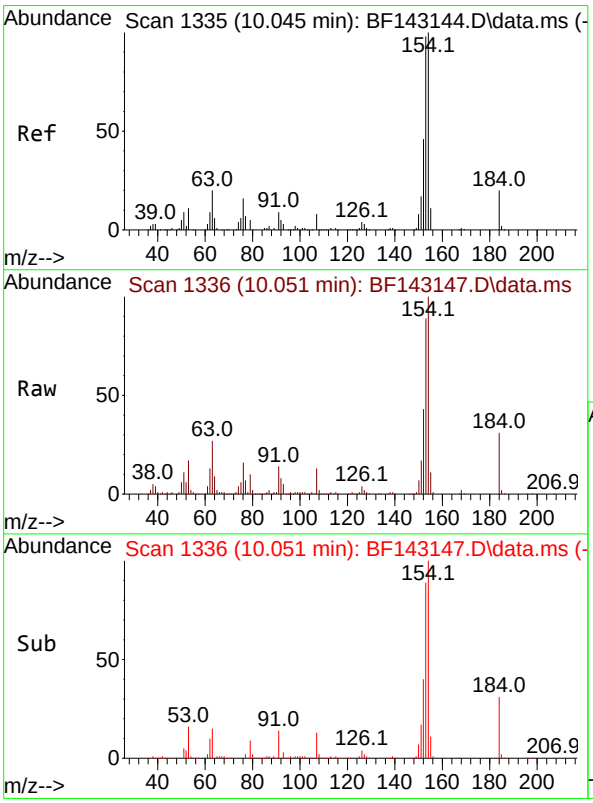
#53
3-Nitroaniline
Concen: 78.128 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 333980

Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.6
92	114.1	93.0	139.4

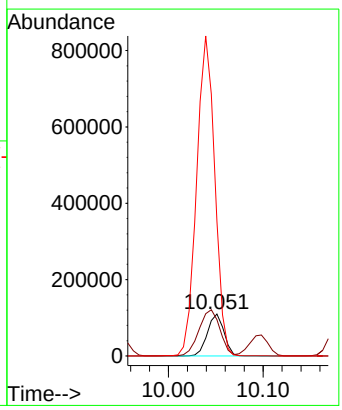


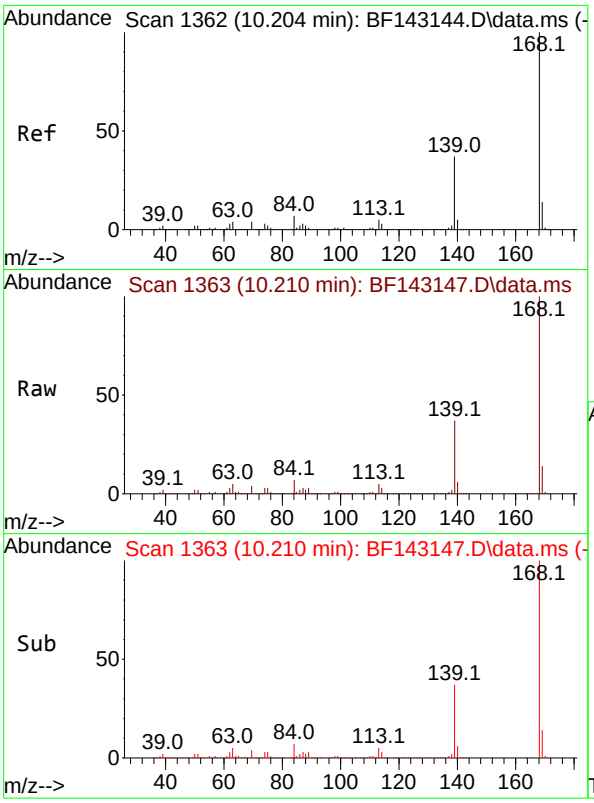


#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:184 Resp: 133446

Ion	Ratio	Lower	Upper
184	100		
63	86.6	81.8	122.6
154	321.6	412.2	618.4#



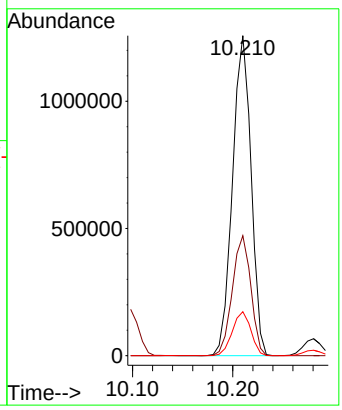


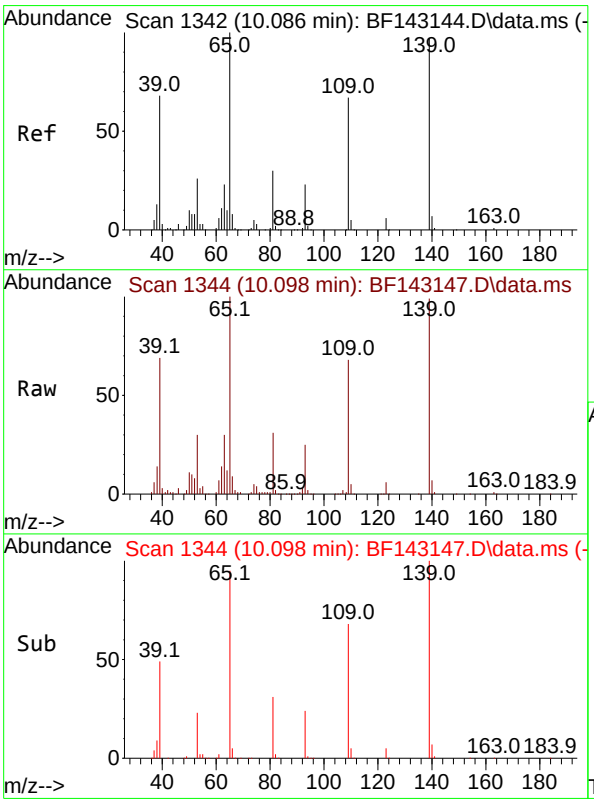
#55
Dibenzofuran
Concen: 69.038 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1615399

Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.5	44.3
169	13.8	10.9	16.3

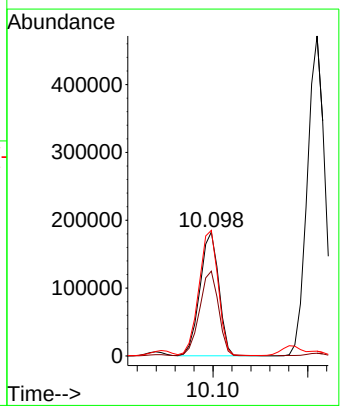


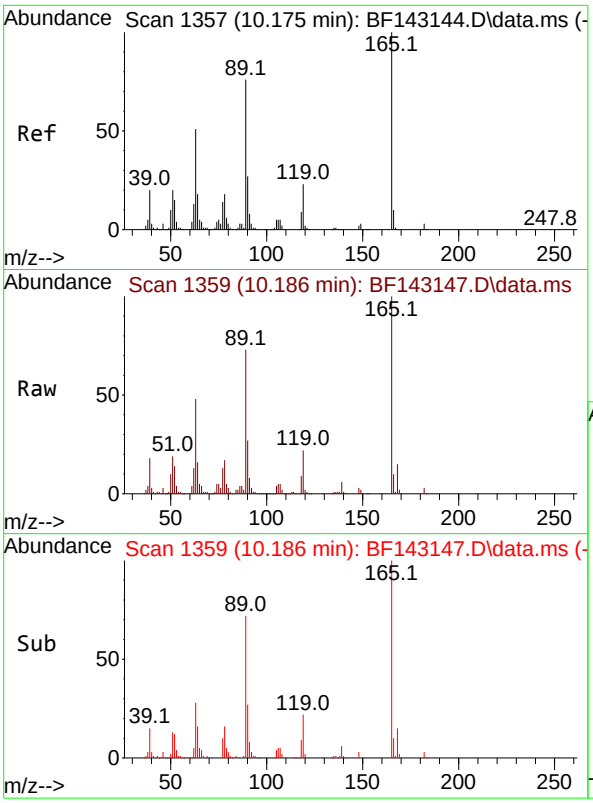


#56
4-Nitrophenol
Concen: 79.161 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:139 Resp: 252698

Ion	Ratio	Lower	Upper
139	100		
109	68.4	48.5	88.5
65	101.3	83.4	123.4



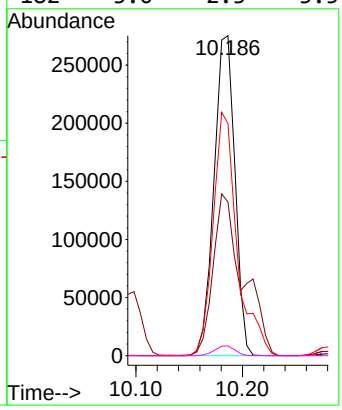


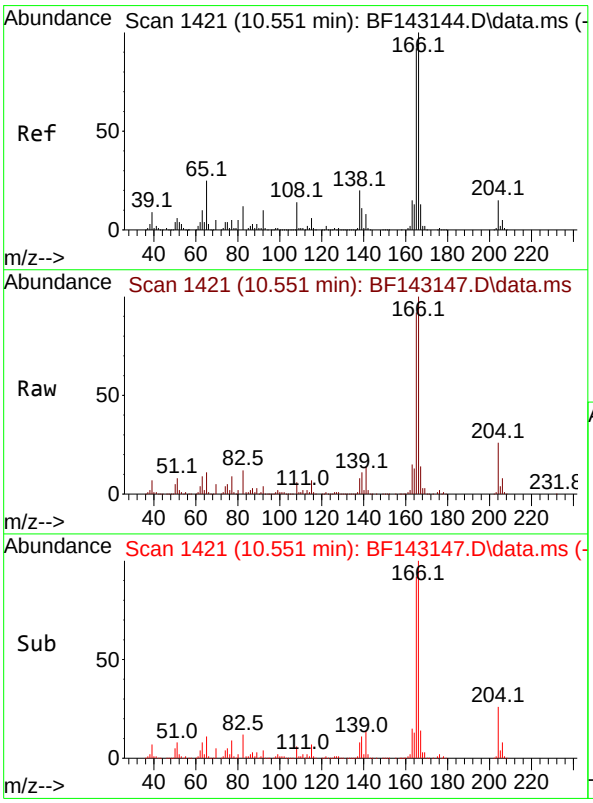
#57
2,4-Dinitrotoluene
Concen: 82.029 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 376124

Ion	Ratio	Lower	Upper
165	100		
63	48.1	41.0	61.4
89	72.5	61.1	91.7
182	3.0	2.3	3.5

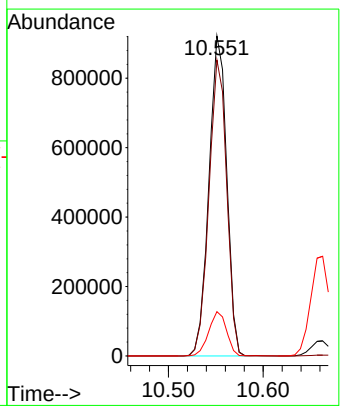


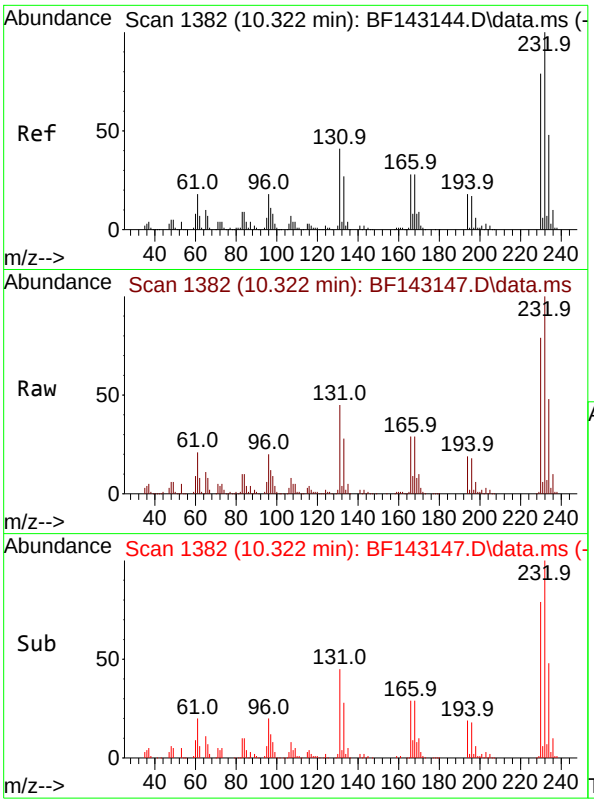


#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:166 Resp: 1197731

Ion	Ratio	Lower	Upper
166	100		
165	92.5	73.7	110.5
167	13.8	10.6	16.0



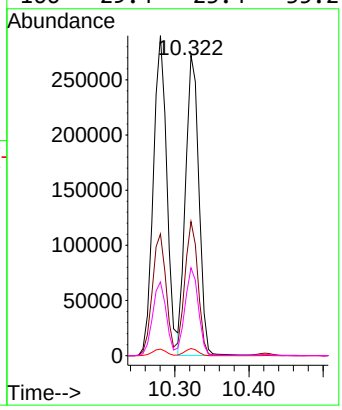


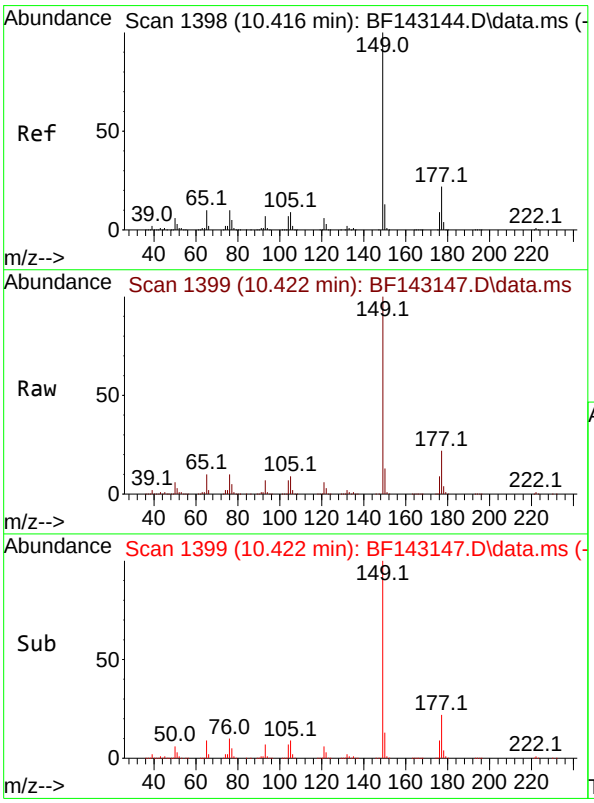
#59
2,3,4,6-Tetrachlorophenol
Concen: 74.533 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 340118

Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.3	52.9
130	2.4	1.7	2.5
166	29.4	23.4	35.2

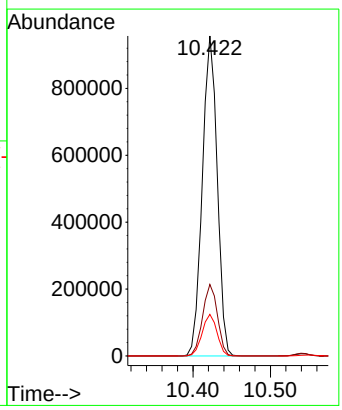


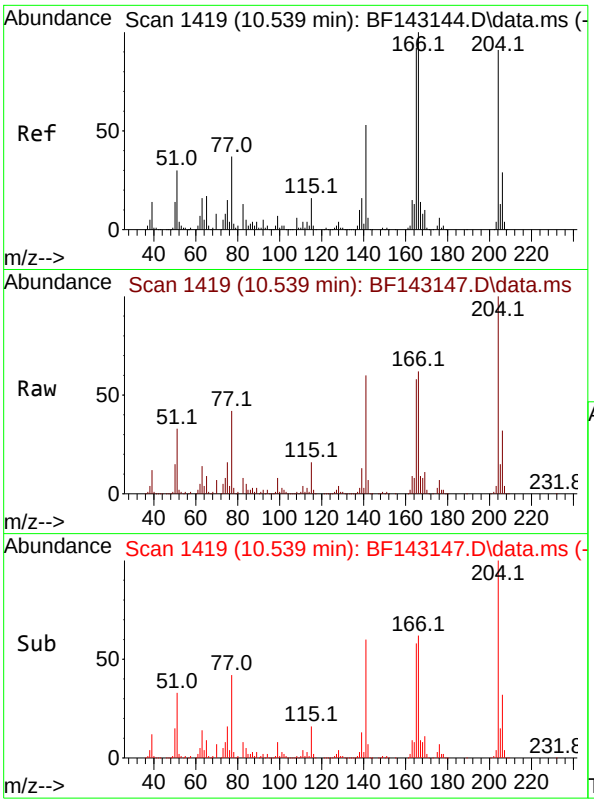


#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1276217

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.5	26.3
150	13.0	10.2	15.2



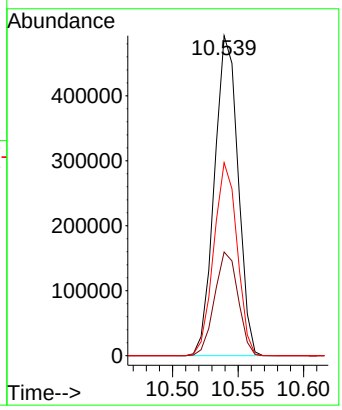


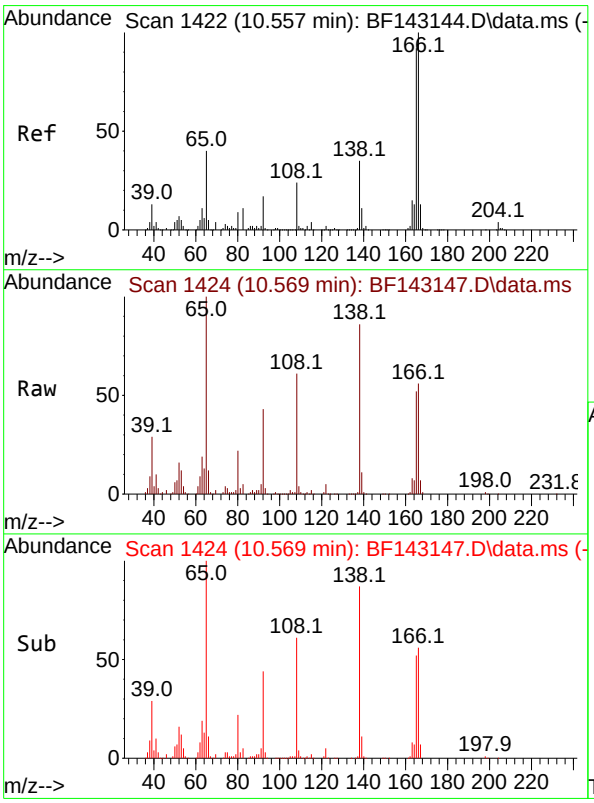
#61
4-Chlorophenyl-phenylether
Concen: 70.326 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 614962

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	60.3	47.0	70.4

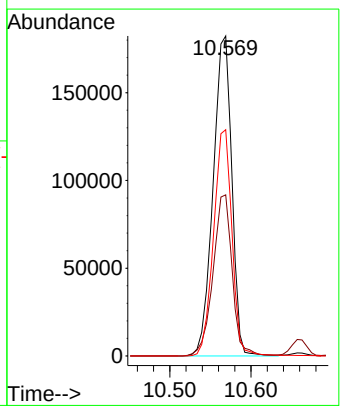


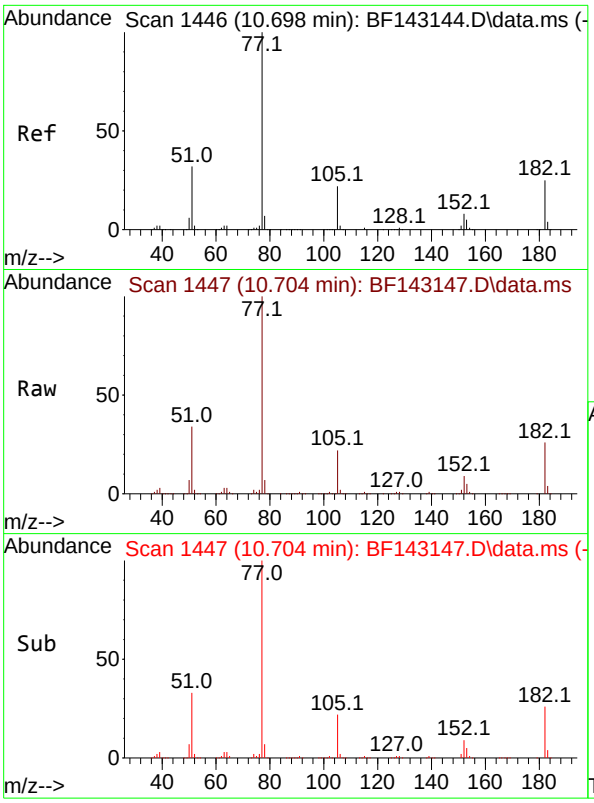


#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:138 Resp: 291926

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.3	69.3
108	70.7	48.3	88.3



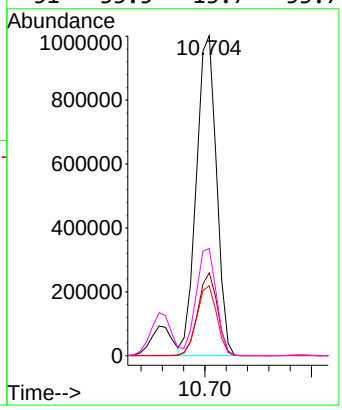


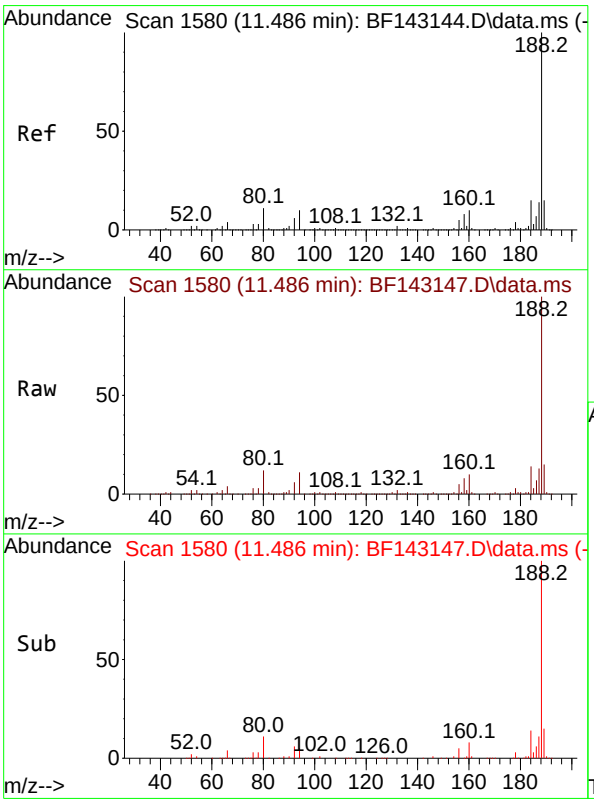
#63
Azobenzene
Concen: 71.255 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1318720

Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.6	44.6
105	21.9	1.4	41.4
51	33.5	13.7	53.7

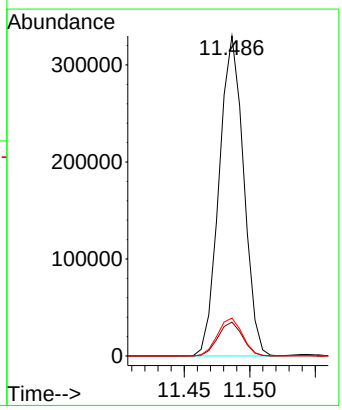


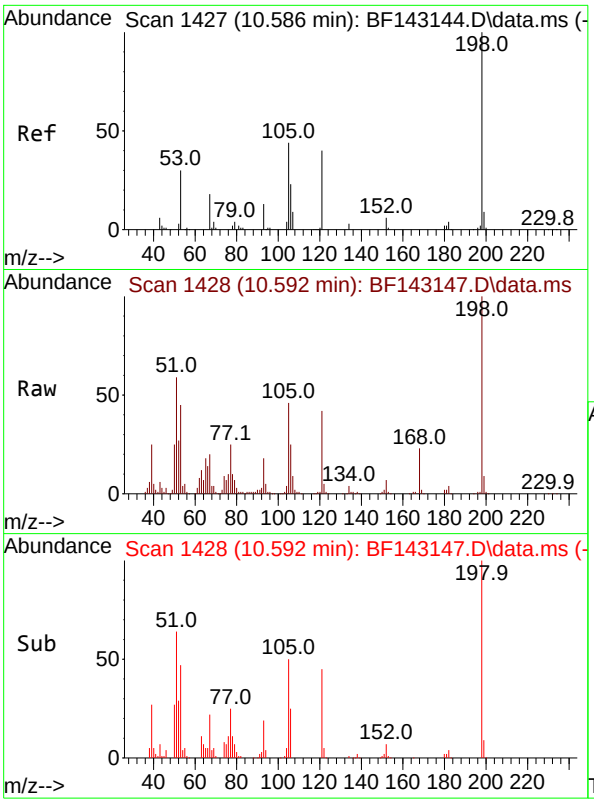


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:188 Resp: 429046

Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.3	12.5
80	11.8	9.0	13.6



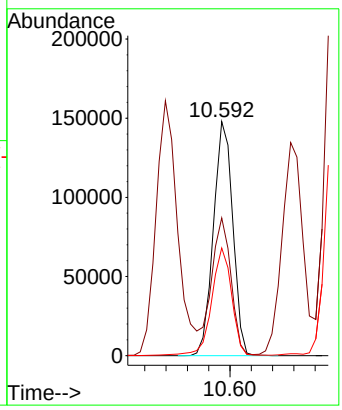


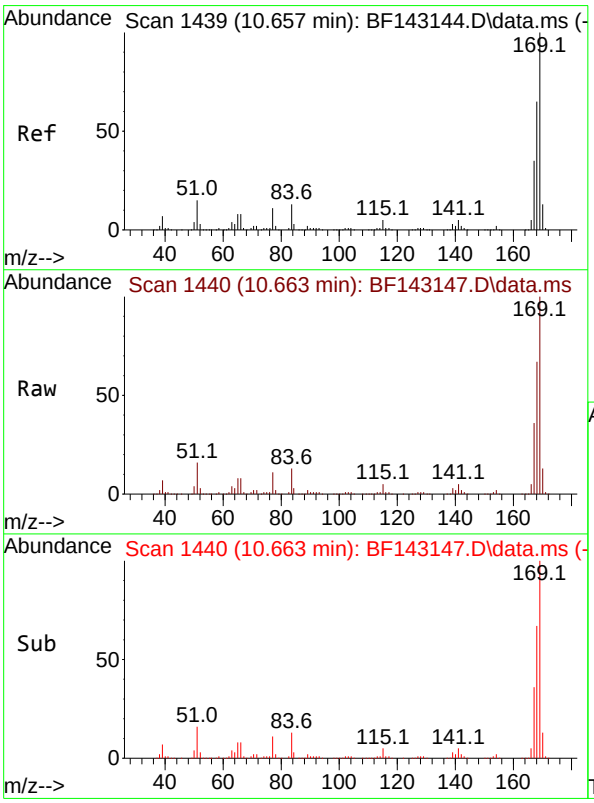
#65
4,6-Dinitro-2-methylphenol
Concen: 78.948 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 186415

Ion	Ratio	Lower	Upper
198	100		
51	58.9	37.2	77.2
105	46.0	24.8	64.8

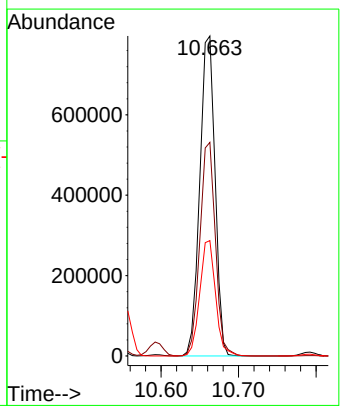


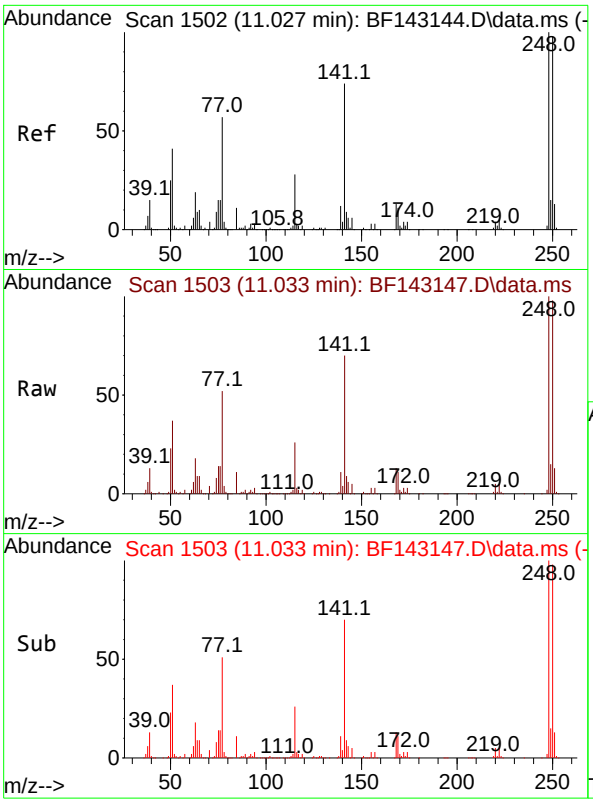


#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:169 Resp: 1087990

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.1	78.1
167	36.1	28.2	42.2



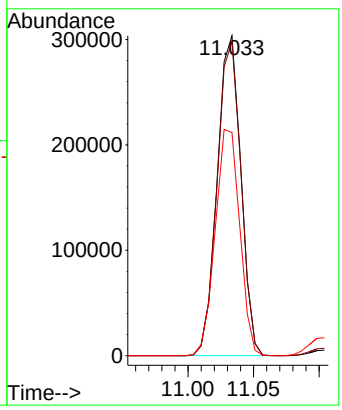


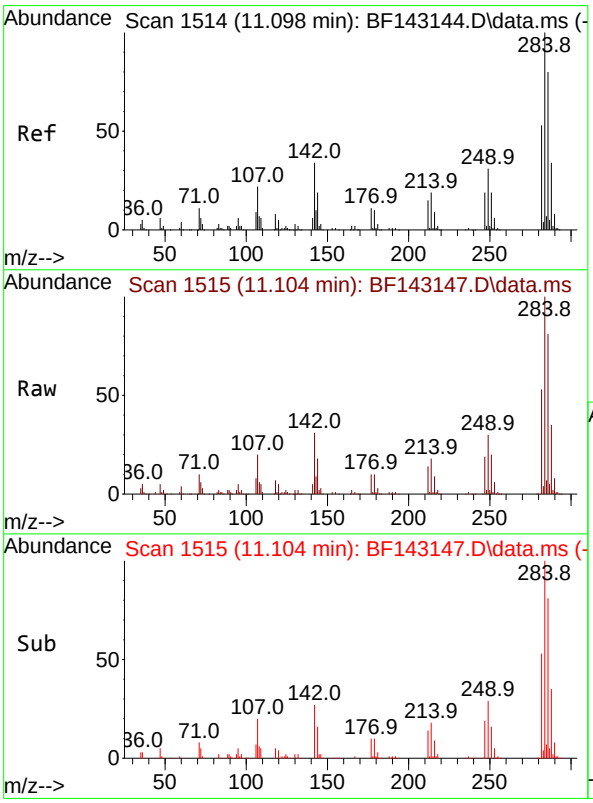
#67
4-Bromophenyl-phenylether
Concen: 74.734 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 382122

Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.3	117.5
141	69.8	59.2	88.8

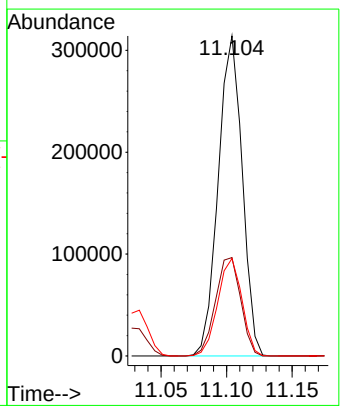


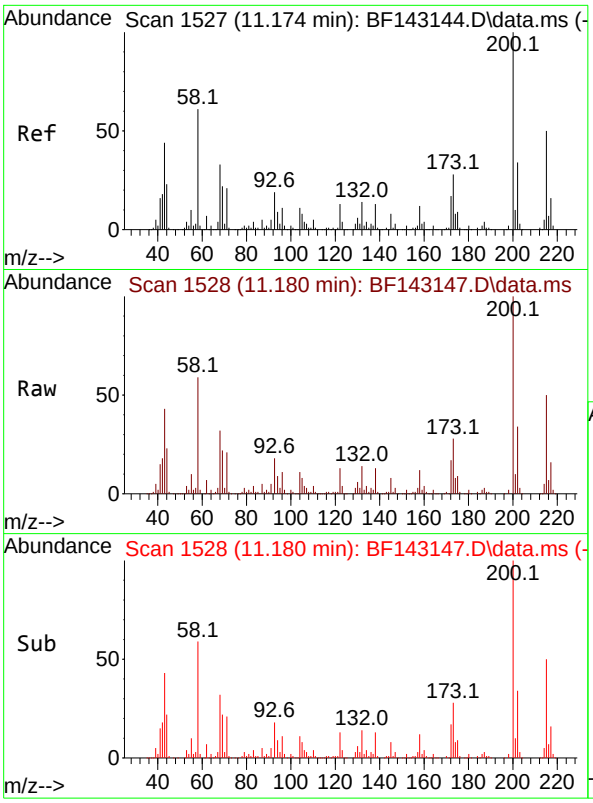


#68
Hexachlorobenzene
Concen: 74.680 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:284 Resp: 399107

Ion	Ratio	Lower	Upper
284	100		
142	30.7	27.0	40.6
249	30.5	25.0	37.6



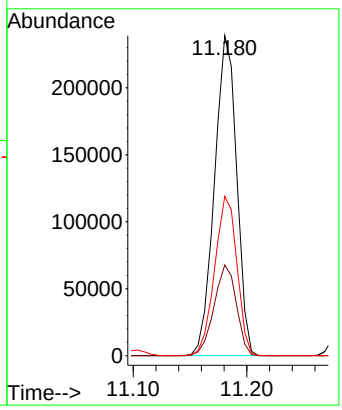


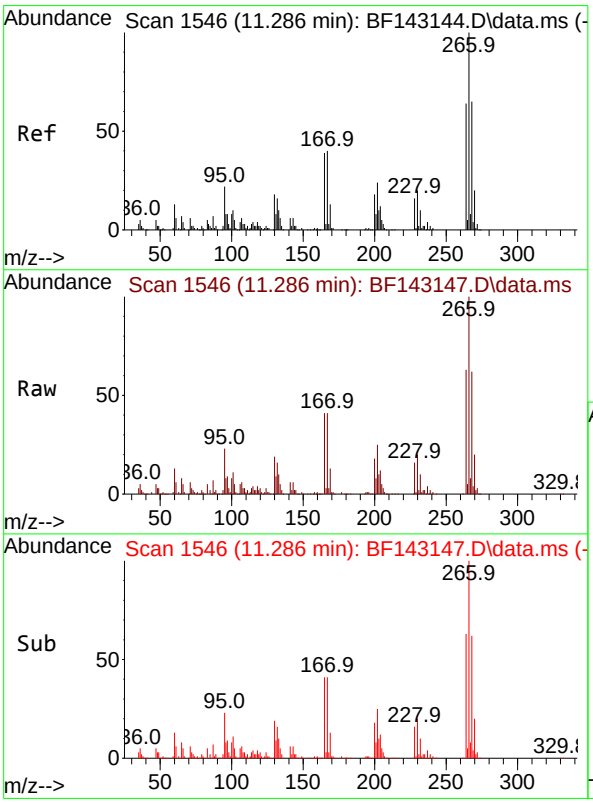
#69
Atrazine
Concen: 77.819 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 324126

Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.8	30.1	70.1

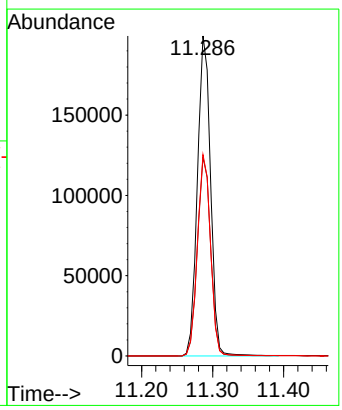


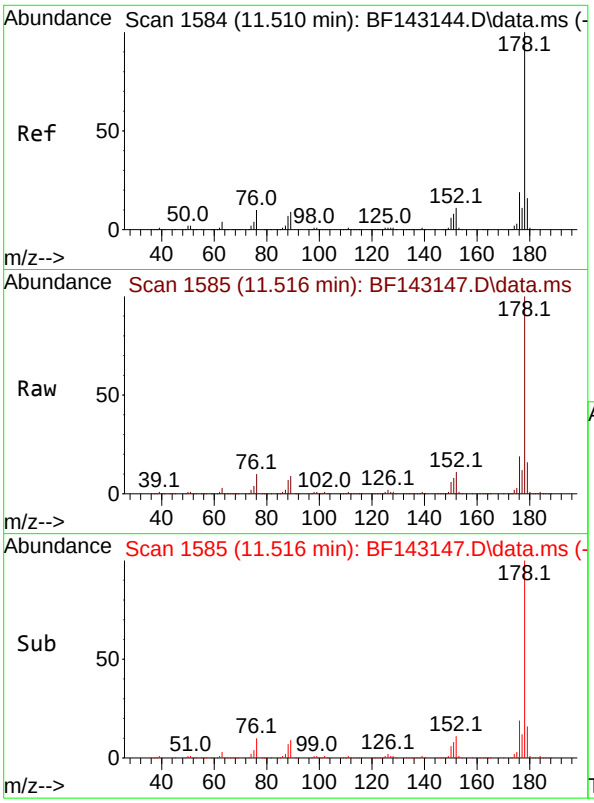


#70
Pentachlorophenol
Concen: 81.829 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:266 Resp: 257176

Ion	Ratio	Lower	Upper
266	100		
268	62.2	51.9	77.9
264	62.9	51.0	76.6



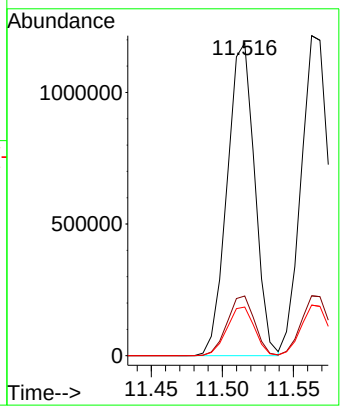


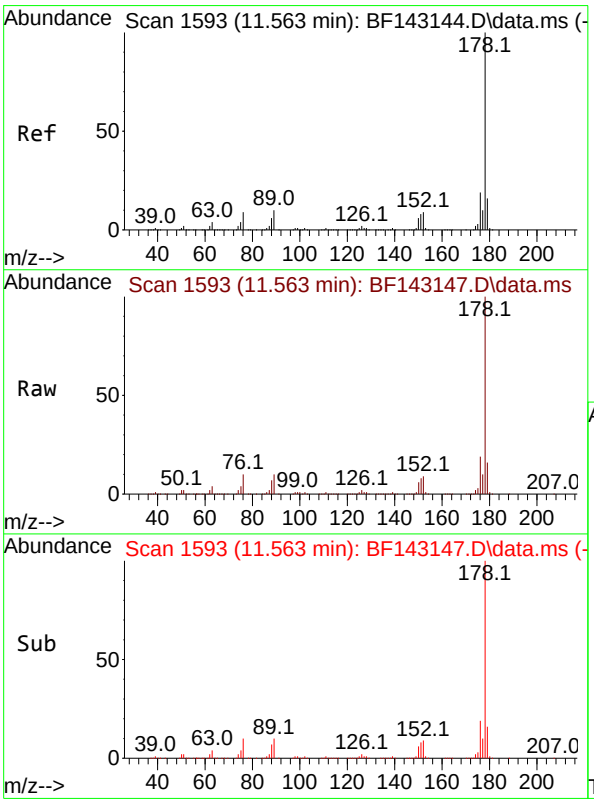
#71
Phenanthrene
Concen: 70.331 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 1602208

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.5	18.7

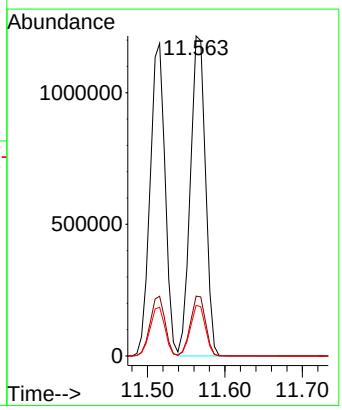


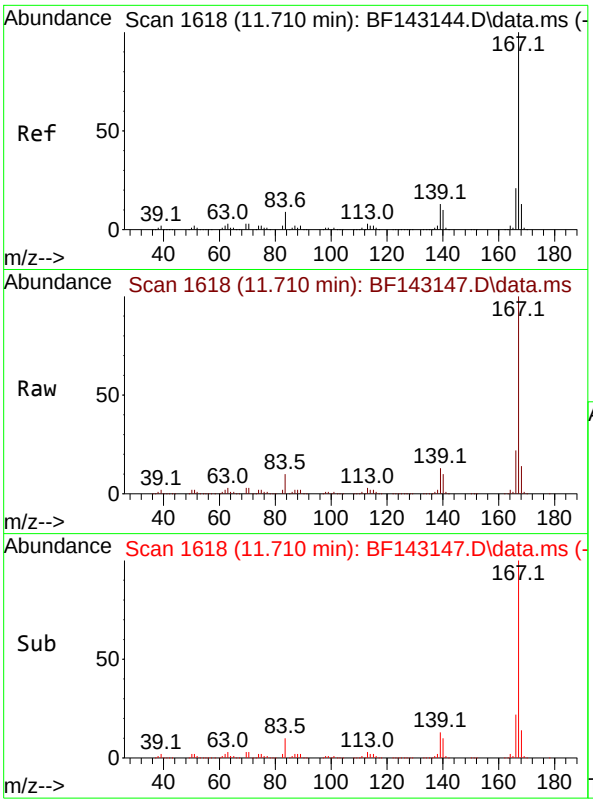


#72
Anthracene
Concen: 70.640 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:178 Resp: 1641264

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.8	12.5	18.7



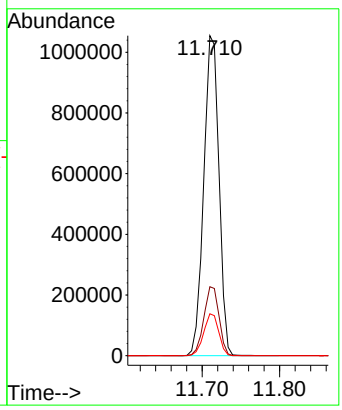


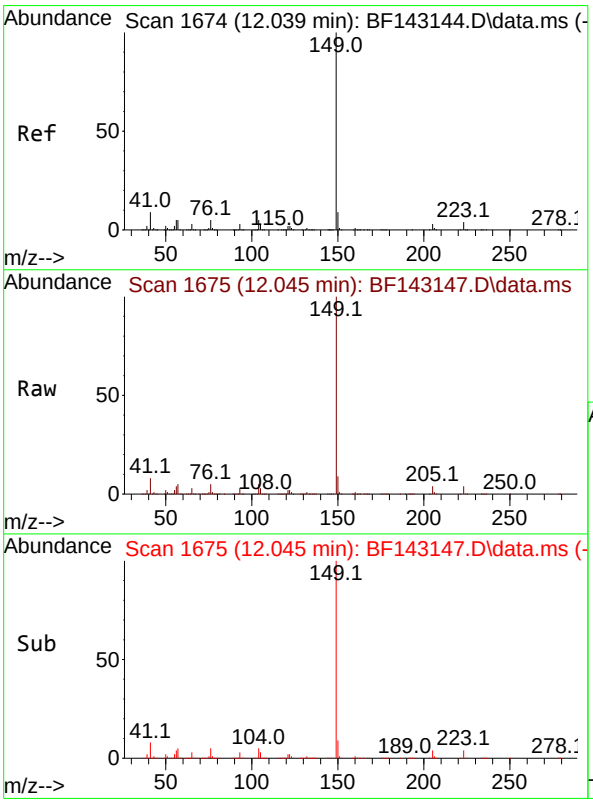
#73
Carbazole
Concen: 70.754 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1435444

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.1	10.0	15.0

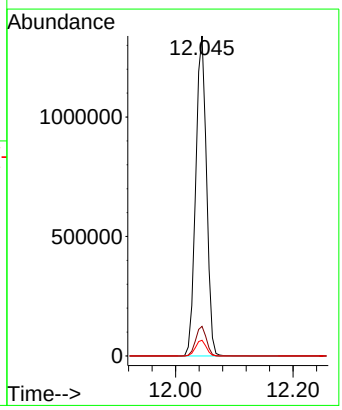


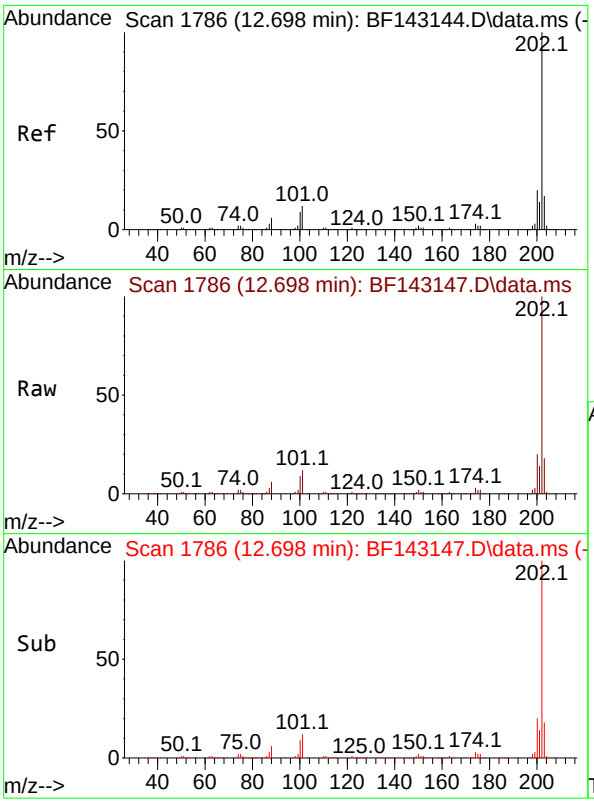


#74
Di-n-butylphthalate
Concen: 74.034 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 1699503

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.9	3.8	5.8



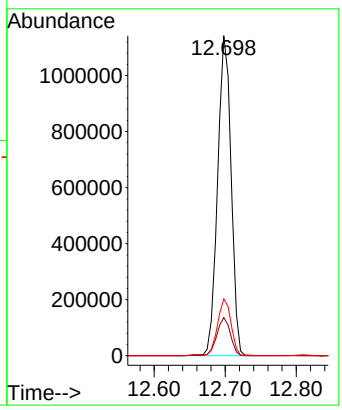


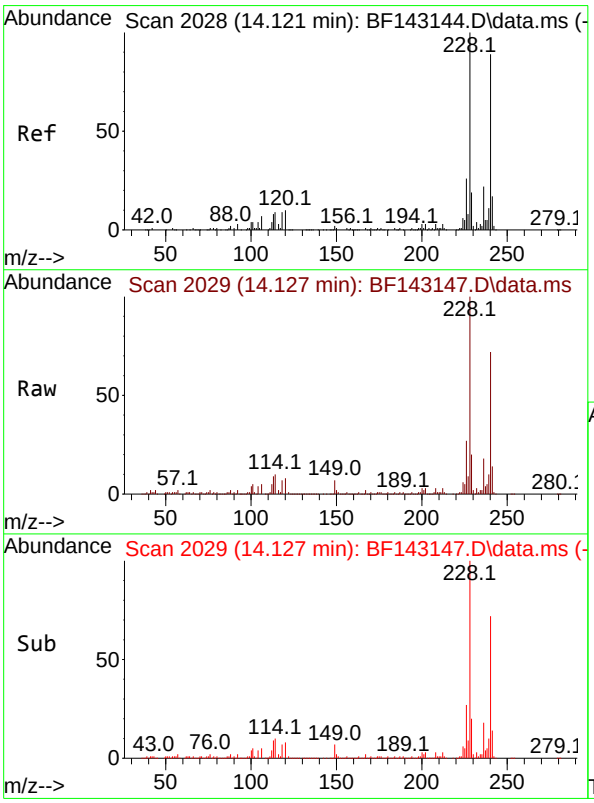
#75
Fluoranthene
Concen: 71.645 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 1498103

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.7
203	17.8	0.0	37.4

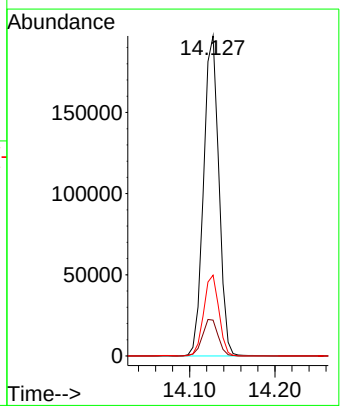


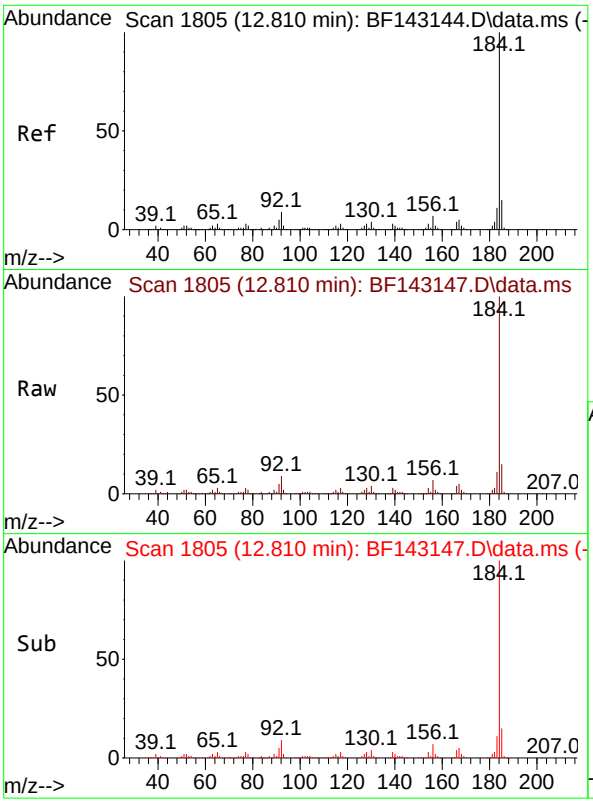


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:240 Resp: 245351

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.4	14.2
236	25.2	20.2	30.4



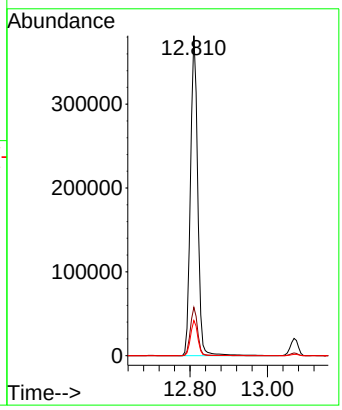


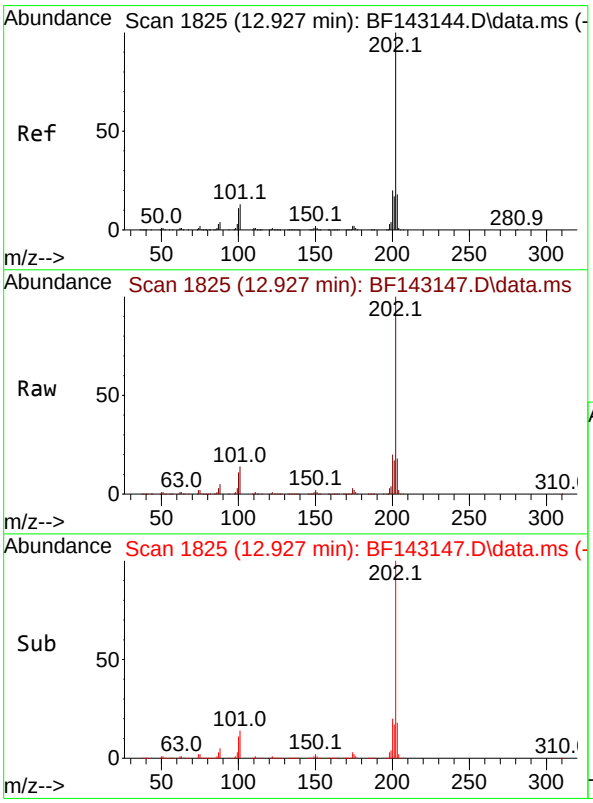
#77
Benzidine
Concen: 52.548 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 496717

Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.4
183	11.0	9.0	13.4

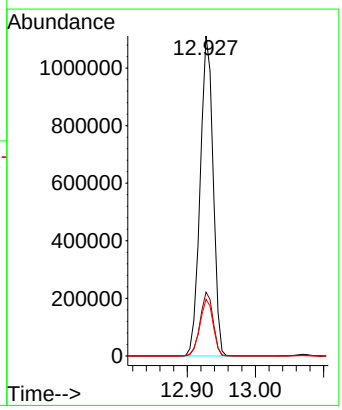


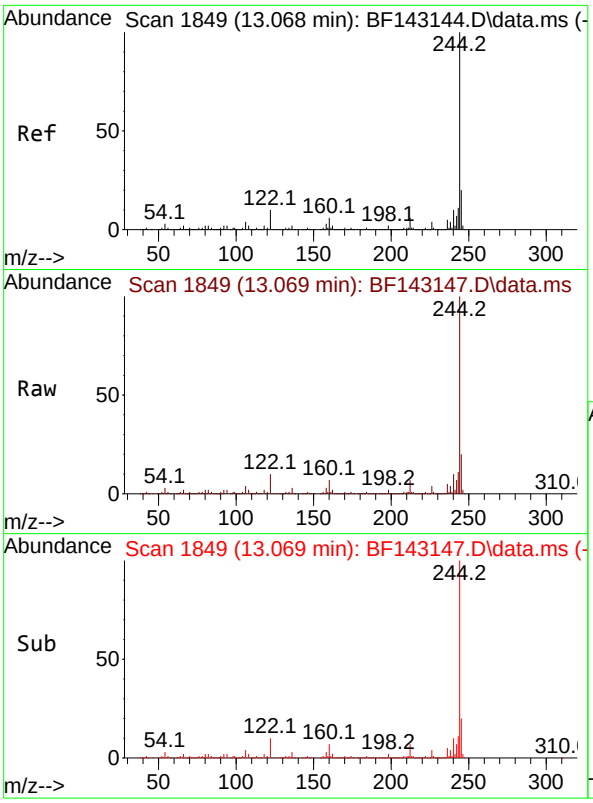


#78
Pyrene
Concen: 70.021 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:202 Resp: 1466205

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	17.7	14.2	21.2



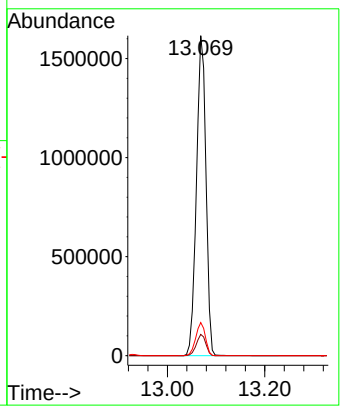


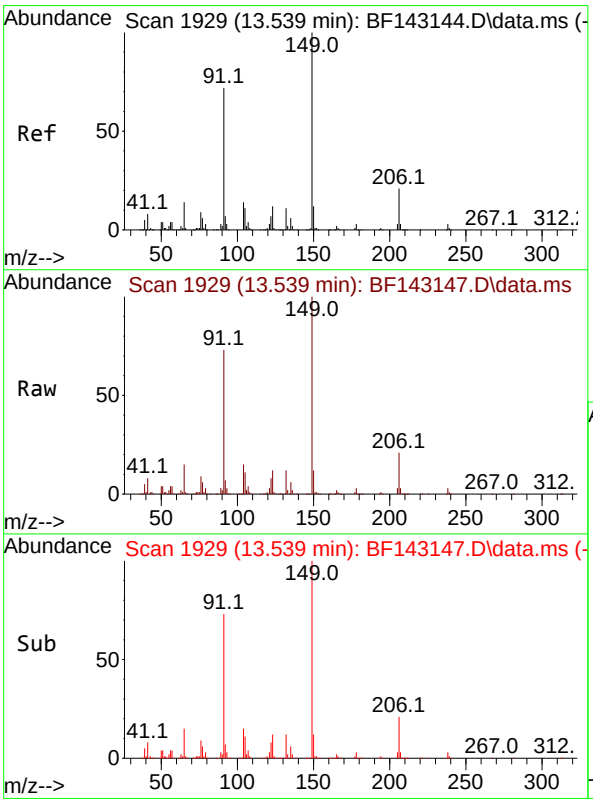
#79
Terphenyl-d14
Concen: 133.606 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 2202828

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.4	8.2	12.2

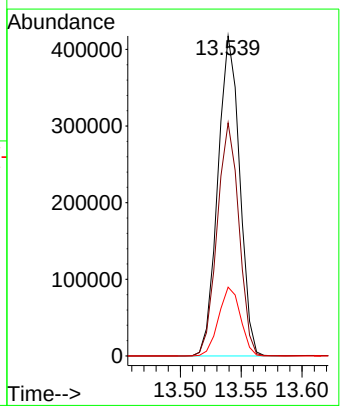


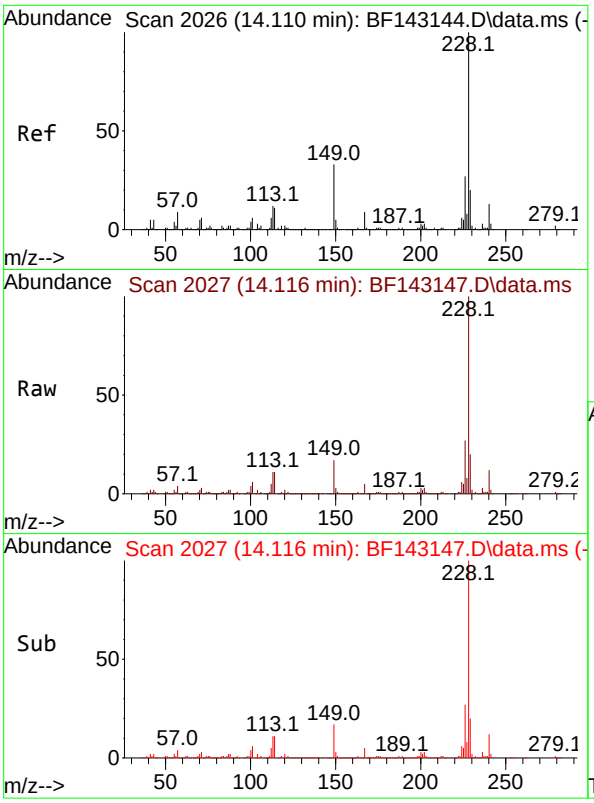


#80
Butylbenzylphthalate
Concen: 81.353 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 521631

Ion	Ratio	Lower	Upper
149	100		
91	72.9	57.9	86.9
206	21.5	17.0	25.4



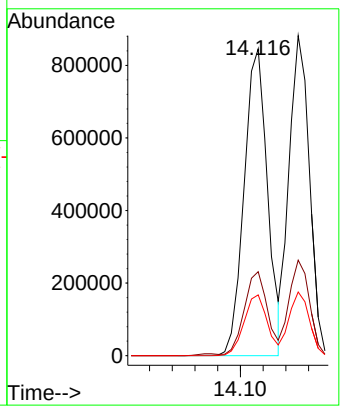


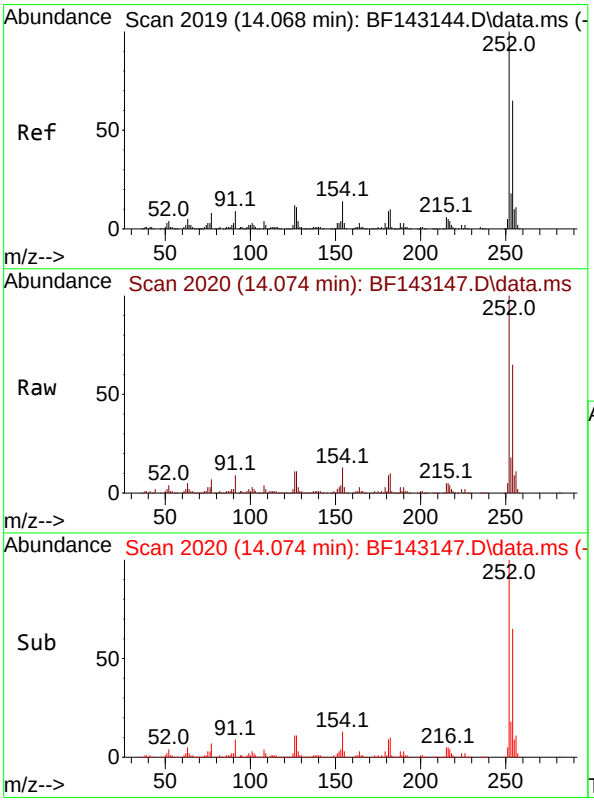
#81
Benzo(a)anthracene
Concen: 73.788 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1212056

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	19.8	15.8	23.6

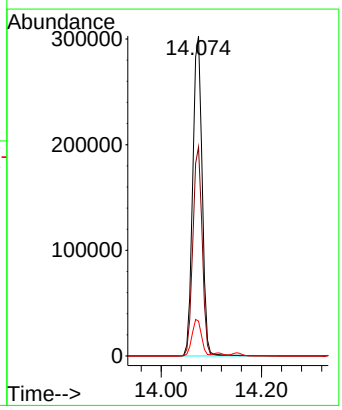


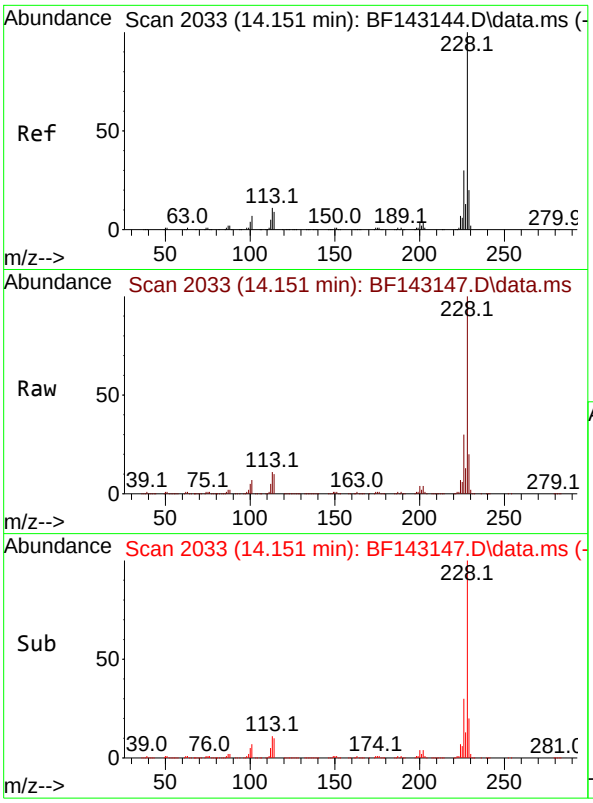


#82
3,3'-Dichlorobenzidine
Concen: 71.867 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 393448

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	10.9	9.4	14.0



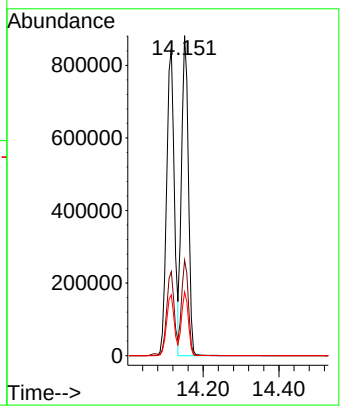


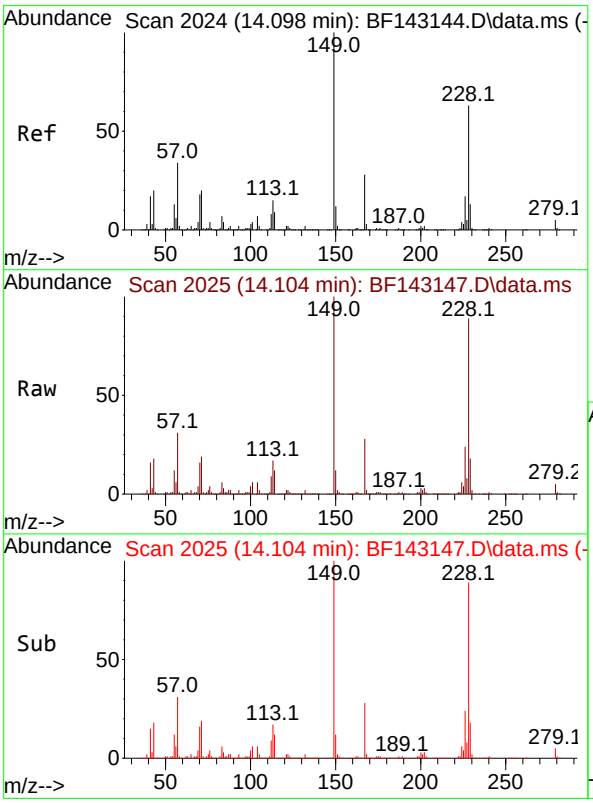
#83
Chrysene
Concen: 74.863 ng
RT: 14.151 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1105636

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.9	15.6	23.4

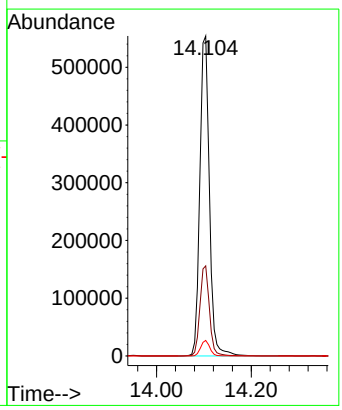


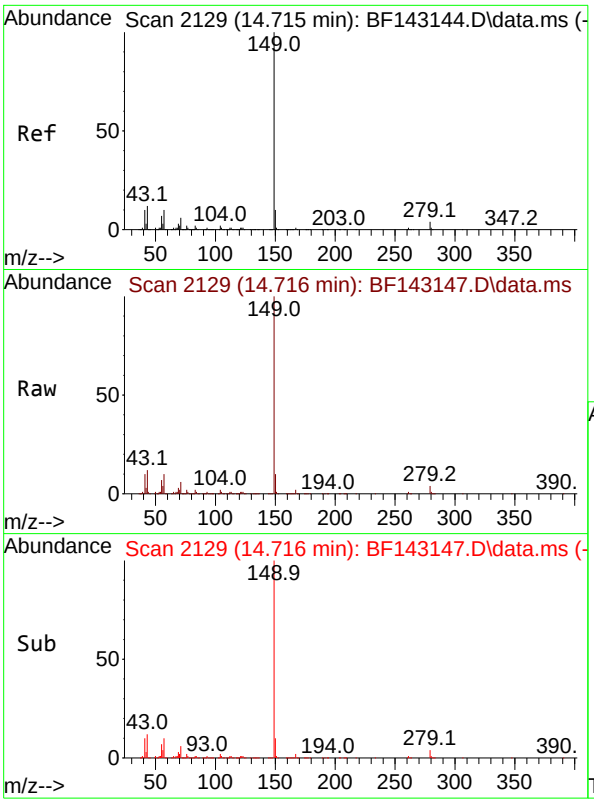


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.790 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:149 Resp: 774366

Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.9	3.6	5.4



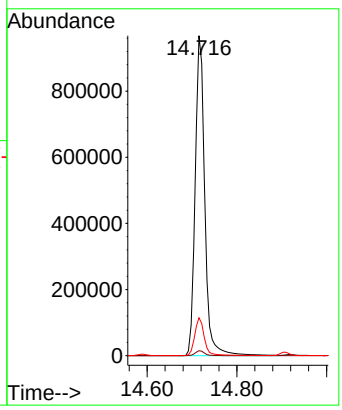


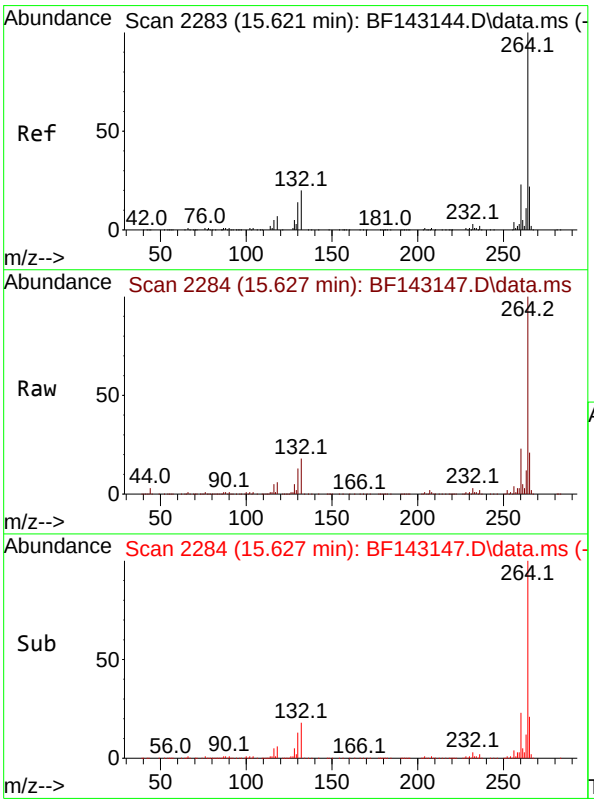
#85
Di-n-octyl phthalate
Concen: 81.519 ng
RT: 14.716 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1434055

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.9	9.7	14.5

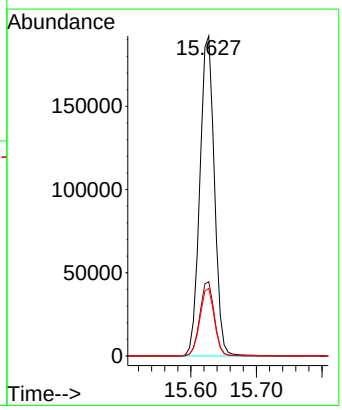


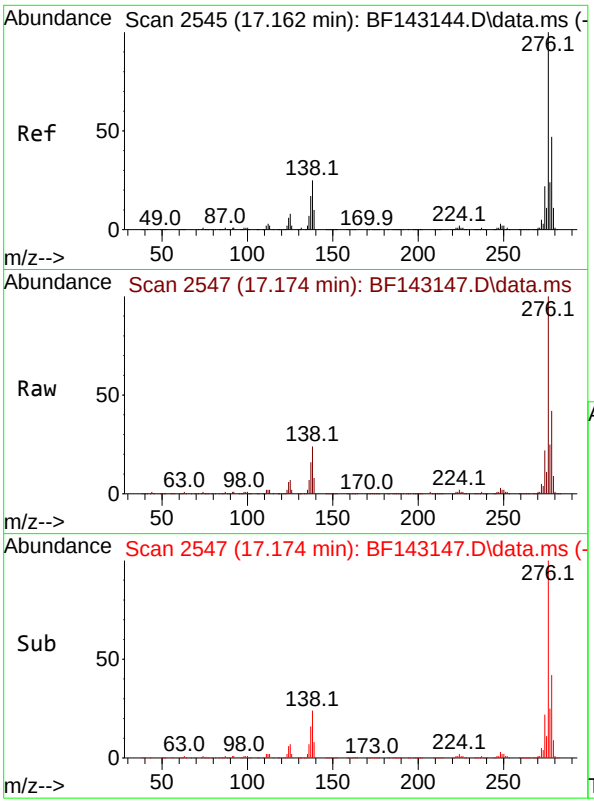


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:264 Resp: 296687

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.1	17.4	26.2



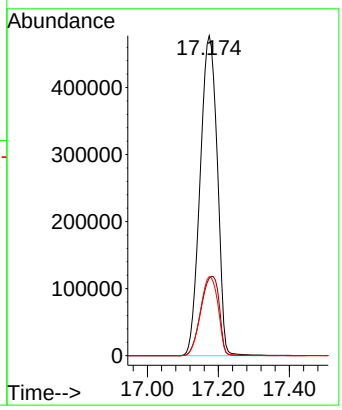


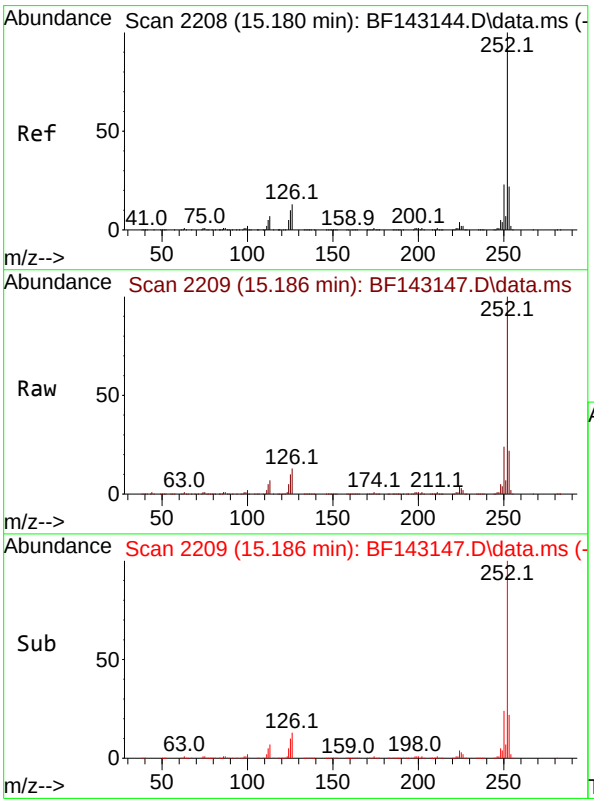
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.718 ng
RT: 17.174 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 1604969

Ion	Ratio	Lower	Upper
276	100		
138	26.5	21.8	32.6
277	25.5	20.0	30.0

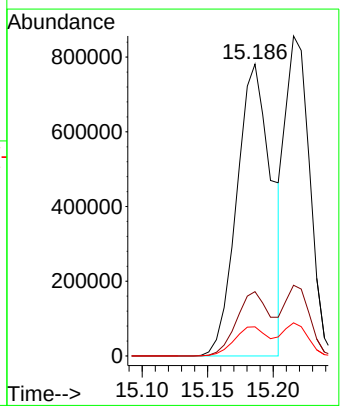


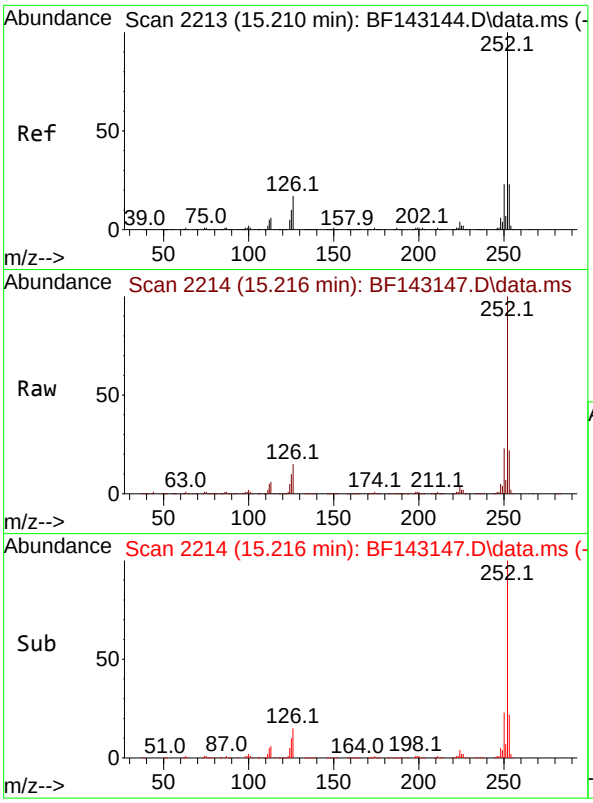


#88
Benzo(b)fluoranthene
Concen: 79.367 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 1438518

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.0	8.0	12.0



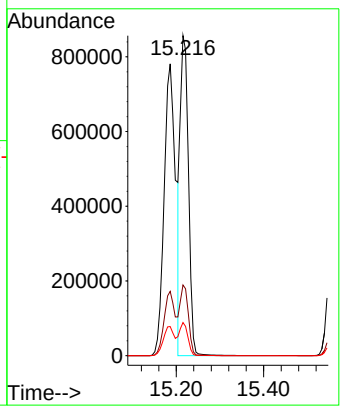


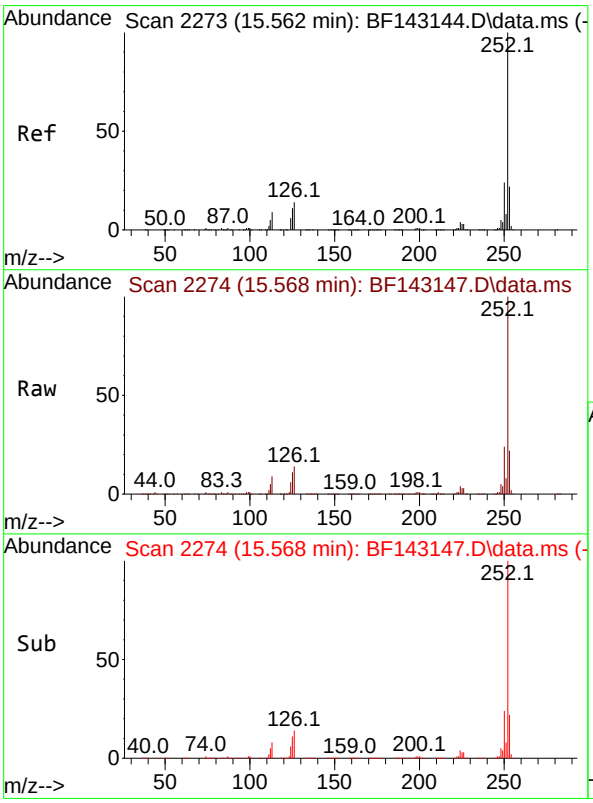
#89
Benzo(k)fluoranthene
Concen: 68.737 ng
RT: 15.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1111726

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.4	8.1	12.1

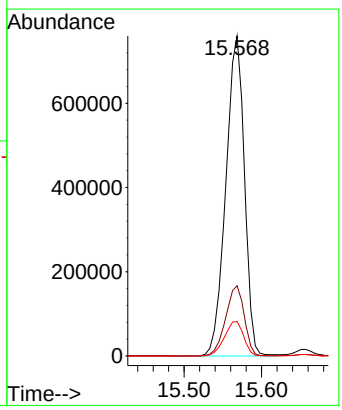


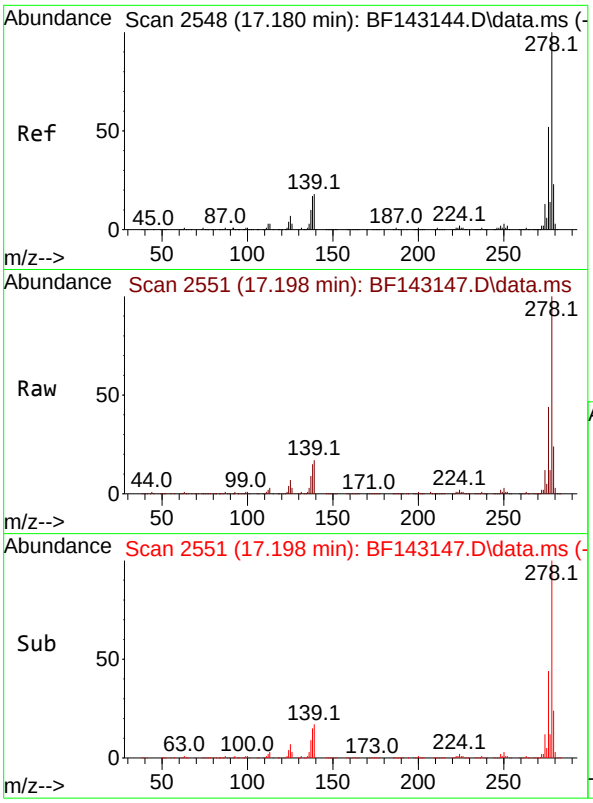


#90
Benzo(a)pyrene
Concen: 76.006 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:252 Resp: 1269253

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.8	8.6	13.0



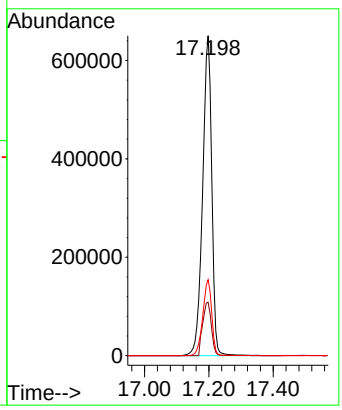


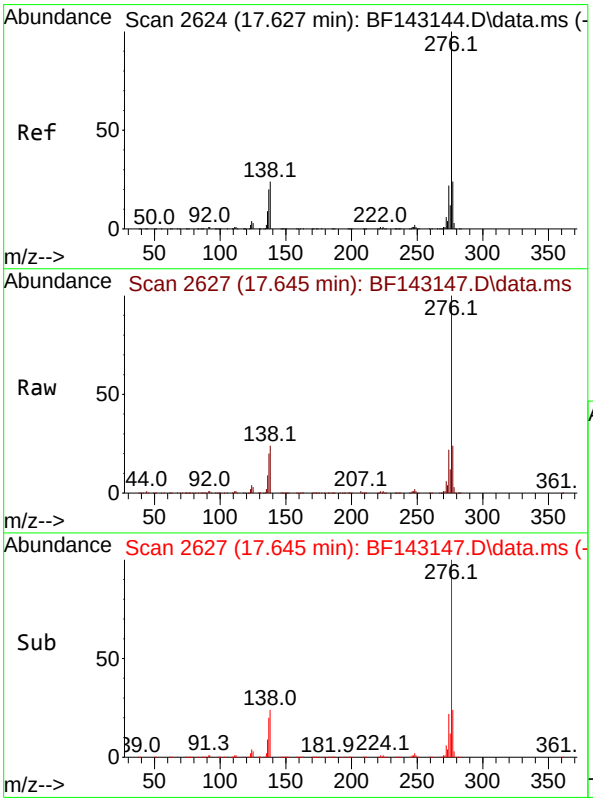
#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1289789

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.1	21.1
279	23.8	18.6	28.0

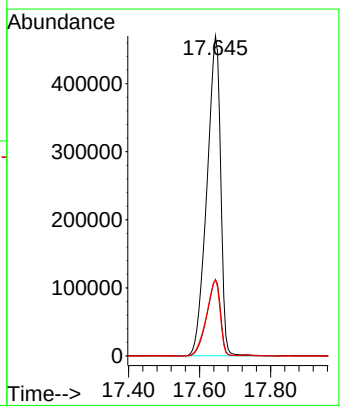




#92
Benzo(g,h,i)perylene
Concen: 76.846 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:276 Resp: 1265778

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	23.7	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	143868	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	559677	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	287255	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457098	20.000	ng	0.00
76) Chrysene-d12	14.121	240	265008	20.000	ng	0.00
86) Perylene-d12	15.621	264	310192	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	701339	77.143	ng	0.00
7) Phenol-d6	6.581	99	894087	78.133	ng	0.00
23) Nitrobenzene-d5	7.522	82	811178	72.247	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	237309	79.969	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1449098	68.992	ng	0.00
79) Terphenyl-d14	13.068	244	1234701	69.333	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.793	88	165605	38.496	ng	98
3) Pyridine	3.569	79	453367	40.604	ng	99
4) n-Nitrosodimethylamine	3.510	42	235215	40.802	ng	97
6) Aniline	6.622	93	655116	41.078	ng	99
8) 2-Chlorophenol	6.745	128	395767	41.530	ng	99
9) Benzaldehyde	6.510	77	321269	37.441	ng	98
10) Phenol	6.598	94	542809	43.542	ng	99
11) bis(2-Chloroethyl)ether	6.692	93	387791	40.628	ng	100
12) 1,3-Dichlorobenzene	6.904	146	418232	40.400	ng	99
13) 1,4-Dichlorobenzene	6.981	146	424629	40.731	ng	99
14) 1,2-Dichlorobenzene	7.134	146	411560	41.506	ng	99
15) Benzyl Alcohol	7.098	79	366608	41.958	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	732274	41.357	ng	100
17) 2-Methylphenol	7.204	107	331709	41.398	ng	99
18) Hexachloroethane	7.481	117	151232	41.903	ng	98
19) n-Nitroso-di-n-propyla...	7.375	70	296171	40.342	ng	100
20) 3+4-Methylphenols	7.357	107	412065	42.387	ng	98
22) Acetophenone	7.369	105	533464	40.260	ng	99
24) Nitrobenzene	7.539	77	436834	41.731	ng	98
25) Isophorone	7.781	82	804071	40.567	ng	99
26) 2-Nitrophenol	7.857	139	203967	44.896	ng	100
27) 2,4-Dimethylphenol	7.886	122	377575	40.773	ng	100
28) bis(2-Chloroethoxy)met...	7.986	93	474637	39.939	ng	99
29) 2,4-Dichlorophenol	8.092	162	319216	40.875	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	342135	40.551	ng	99
31) Naphthalene	8.269	128	1106482	40.143	ng	100
32) Benzoic acid	7.986	122	202337	39.782	ng	98
33) 4-Chloroaniline	8.310	127	457742	40.671	ng	99
34) Hexachlorobutadiene	8.386	225	212781	41.284	ng	100
35) Caprolactam	8.675	113	96661	40.959	ng	98
36) 4-Chloro-3-methylphenol	8.780	107	344726	40.611	ng	99
37) 2-Methylnaphthalene	8.957	142	675594	40.279	ng	100
38) 1-Methylnaphthalene	9.057	142	703170	40.712	ng	100
40) 1,2,4,5-Tetrachloroben...	9.122	216	339567	40.944	ng	98
41) Hexachlorocyclopentadiene	9.116	237	231349	42.872	ng	99
43) 2,4,6-Trichlorophenol	9.228	196	231043	40.253	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

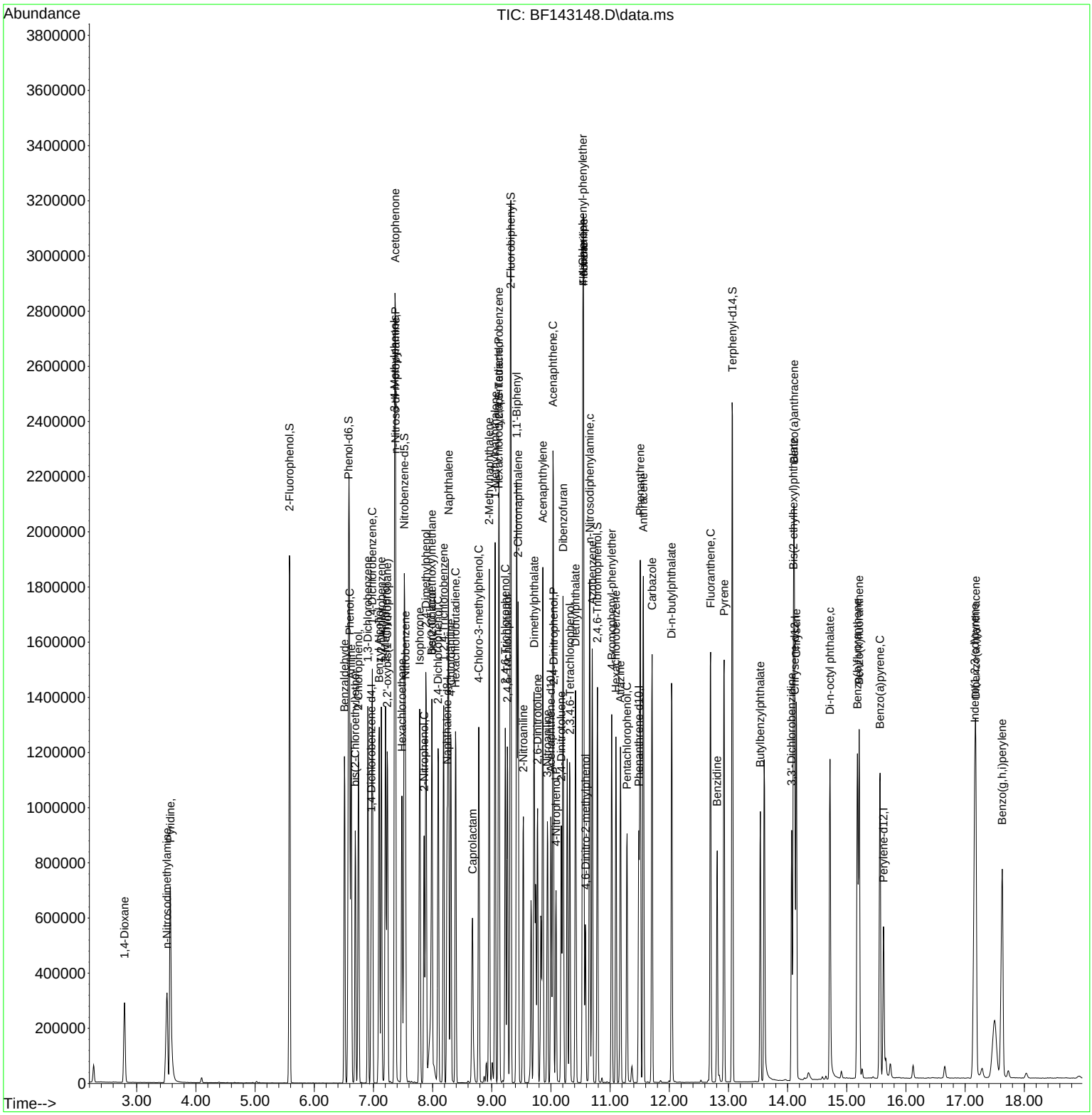
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	246820	42.989	ng	97
46) 1,1'-Biphenyl	9.422	154	920059	41.053	ng	100
47) 2-Chloronaphthalene	9.445	162	666359	40.184	ng	100
48) 2-Nitroaniline	9.533	65	227376	43.723	ng	100
49) Acenaphthylene	9.863	152	1111992	40.013	ng	100
50) Dimethylphthalate	9.716	163	753041	40.218	ng	100
51) 2,6-Dinitrotoluene	9.775	165	166911	43.820	ng	98
52) Acenaphthene	10.033	154	659908	40.176	ng	99
53) 3-Nitroaniline	9.939	138	191512	42.985	ng	98
54) 2,4-Dinitrophenol	10.045	184	64659	40.998	ng	98
55) Dibenzofuran	10.204	168	974991	39.981	ng	100
56) 4-Nitrophenol	10.086	139	140876	42.344	ng	99
57) 2,4-Dinitrotoluene	10.175	165	212369	44.440	ng	97
58) Fluorene	10.551	166	717816	39.219	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	198530	41.743	ng	99
60) Diethylphthalate	10.416	149	753774	40.729	ng	100
61) 4-Chlorophenyl-phenyle...	10.539	204	367981	40.377	ng	99
62) 4-Nitroaniline	10.551	138	160193	41.953	ng	98
63) Azobenzene	10.698	77	779524	40.414	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	98462	41.869	ng	97
66) n-Nitrosodiphenylamine	10.657	169	647855	40.250	ng	100
67) 4-Bromophenyl-phenylether	11.027	248	222405	40.828	ng	100
68) Hexachlorobenzene	11.098	284	229272	40.268	ng	100
69) Atrazine	11.174	200	189104	42.615	ng	99
70) Pentachlorophenol	11.286	266	141608	42.292	ng	99
71) Phenanthrene	11.510	178	971448	40.026	ng	100
72) Anthracene	11.563	178	1003925	40.557	ng	99
73) Carbazole	11.710	167	874867	40.476	ng	100
74) Di-n-butylphthalate	12.039	149	1035244	42.330	ng	100
75) Fluoranthene	12.698	202	909717	40.836	ng	100
77) Benzidine	12.810	184	441470	43.239	ng	100
78) Pyrene	12.927	202	902771	39.916	ng	99
80) Butylbenzylphthalate	13.539	149	303528	43.827	ng	98
81) Benzo(a)anthracene	14.110	228	708799	39.950	ng	100
82) 3,3'-Dichlorobenzidine	14.068	252	258837	43.772	ng	100
83) Chrysene	14.145	228	673701	42.233	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	456811	43.578	ng	100
85) Di-n-octyl phthalate	14.715	149	818512	43.077	ng	100
87) Indeno(1,2,3-cd)pyrene	17.162	276	896404	40.983	ng	100
88) Benzo(b)fluoranthene	15.180	252	820119	43.278	ng	100
89) Benzo(k)fluoranthene	15.209	252	634642	37.531	ng	99
90) Benzo(a)pyrene	15.562	252	708756	40.594	ng	99
91) Dibenzo(a,h)anthracene	17.180	278	724758	40.710	ng	99
92) Benzo(g,h,i)perylene	17.627	276	712864	41.394	ng	100

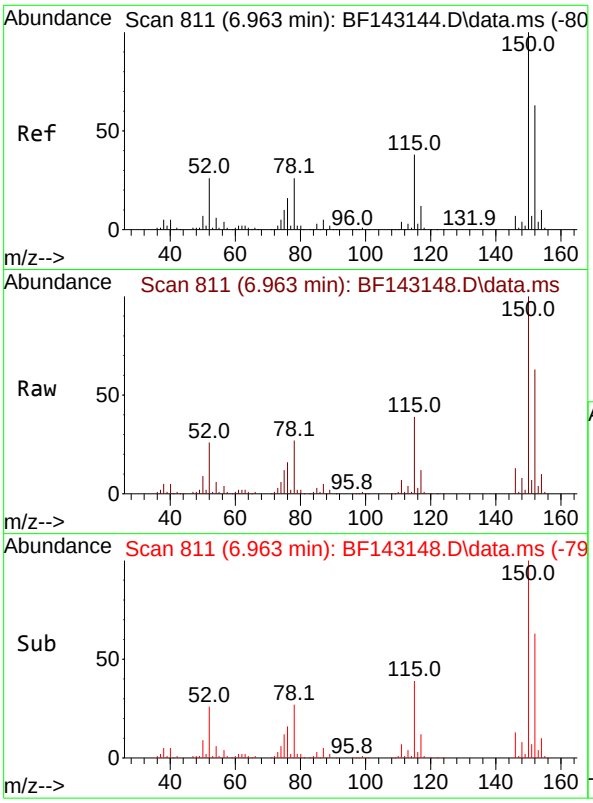
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



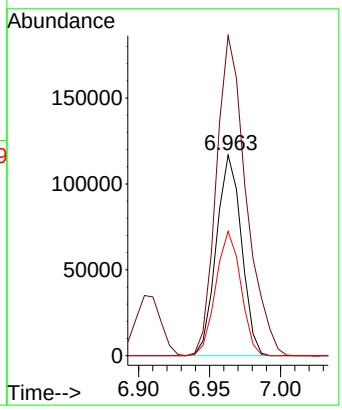


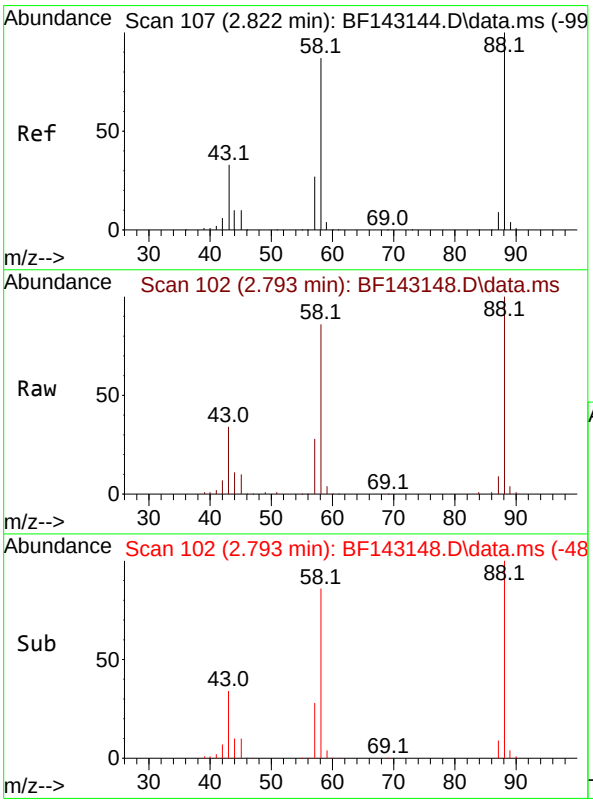
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:152 Resp: 143868

Ion	Ratio	Lower	Upper
152	100		
150	159.5	128.2	192.4
115	62.0	47.9	71.9

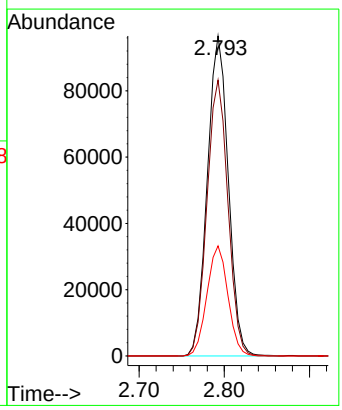


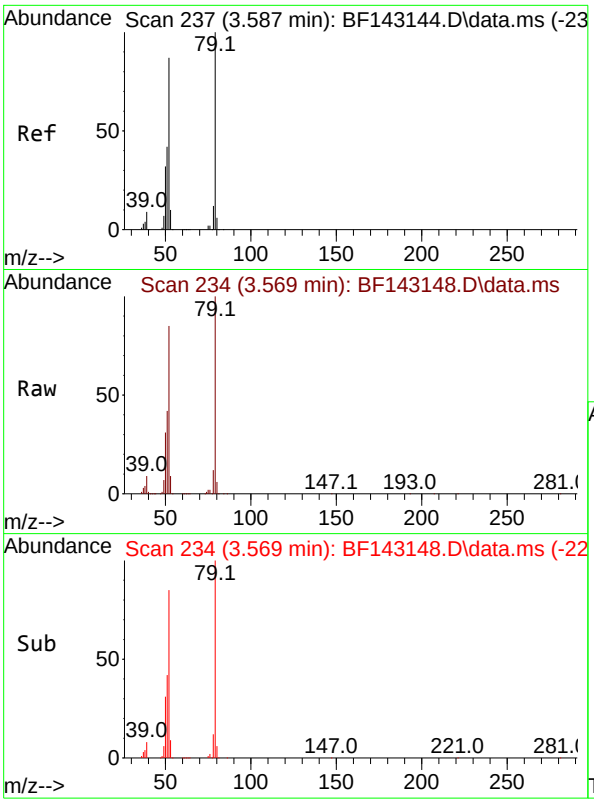


#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 88 Resp: 165605

Ion	Ratio	Lower	Upper
88	100		
58	86.0	70.2	105.2
43	34.4	27.1	40.7



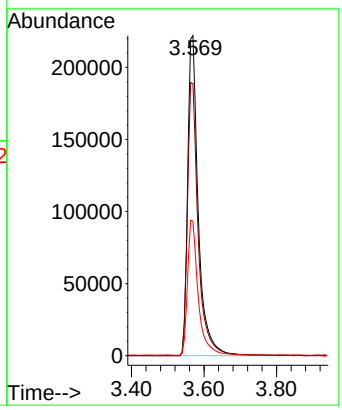


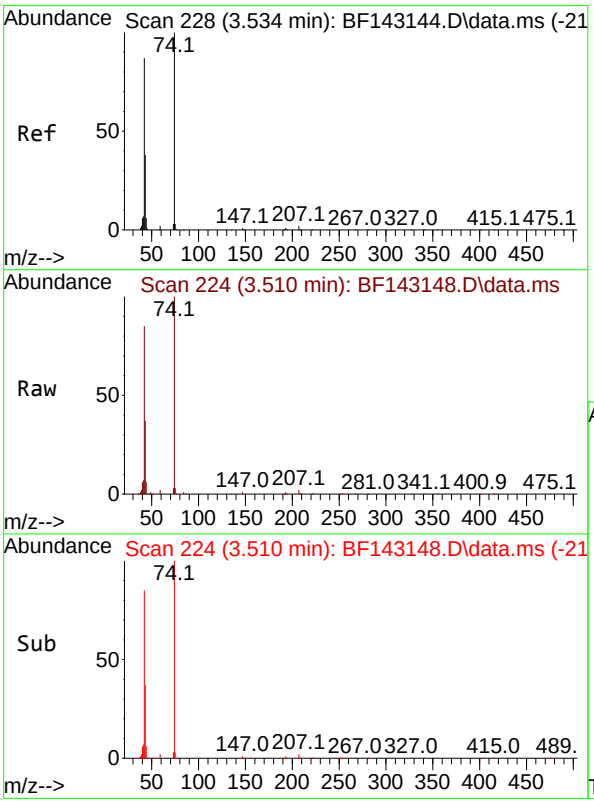
#3
Pyridine
Concen: 40.604 ng
RT: 3.569 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 79 Resp: 453367

Ion	Ratio	Lower	Upper
79	100		
52	85.0	69.4	104.2
51	42.0	33.5	50.3

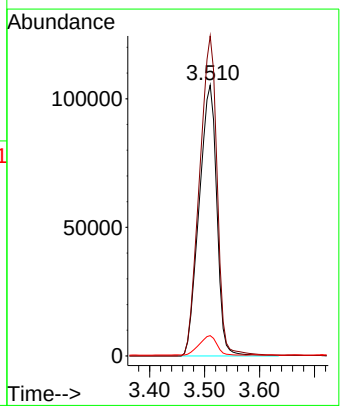


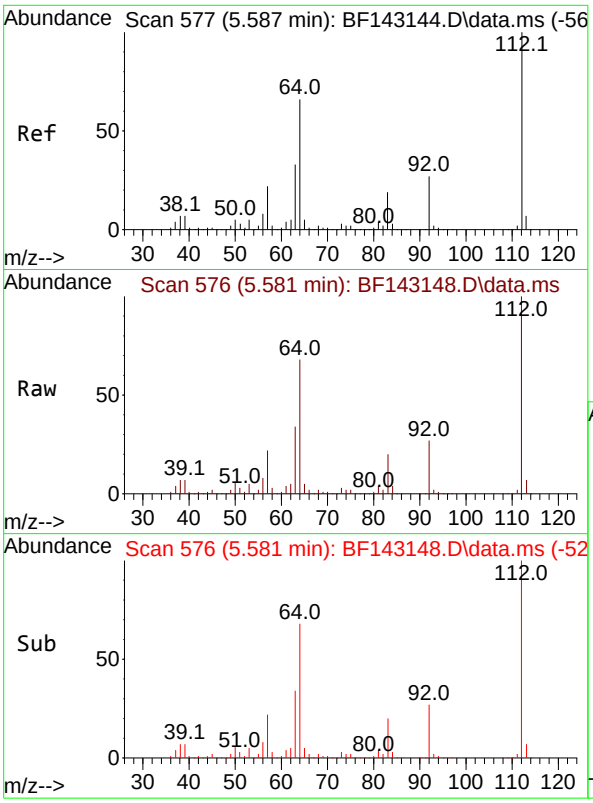


#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.024 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 42 Resp: 235215

Ion	Ratio	Lower	Upper
42	100		
74	118.1	91.7	137.5
44	7.5	5.6	8.4



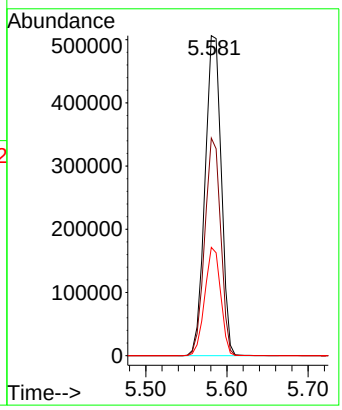


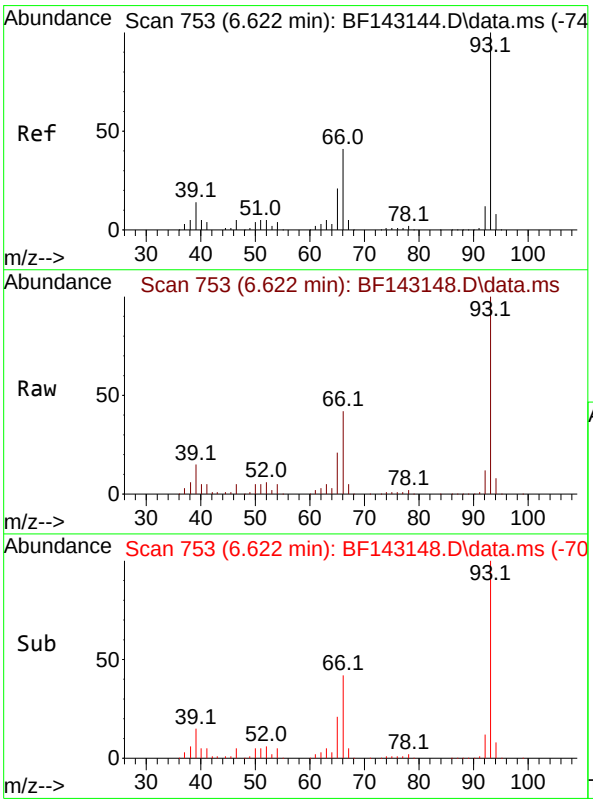
#5
2-Fluorophenol
Concen: 77.143 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:112 Resp: 701339

Ion	Ratio	Lower	Upper
112	100		
64	68.0	53.1	79.7
63	33.9	26.6	40.0

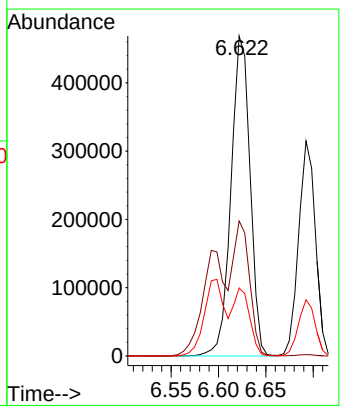


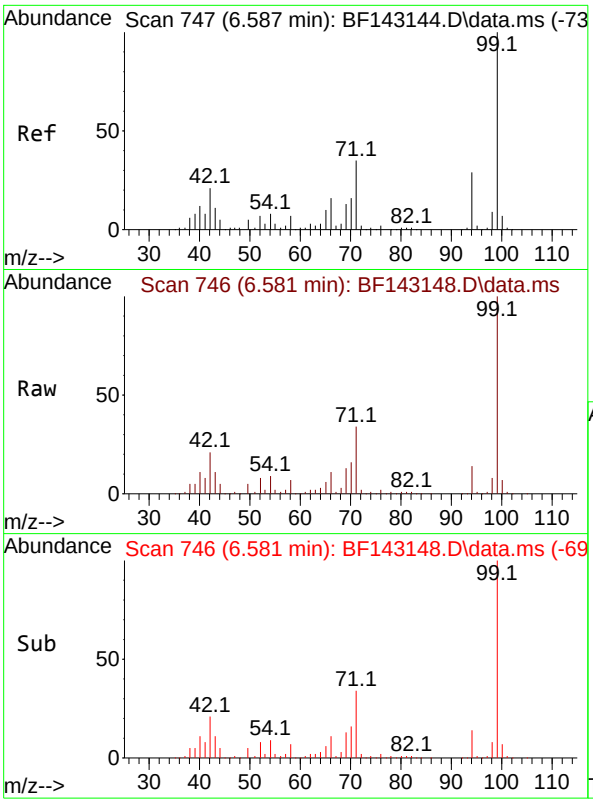


#6
Aniline
Concen: 41.078 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 655116

Ion	Ratio	Lower	Upper
93	100		
66	42.2	33.2	49.8
65	21.3	16.9	25.3



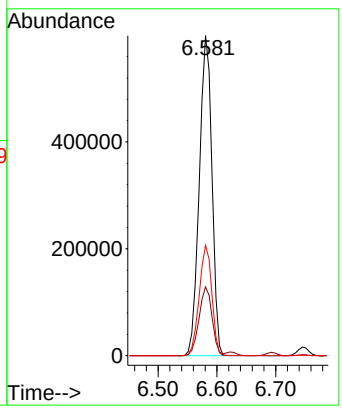


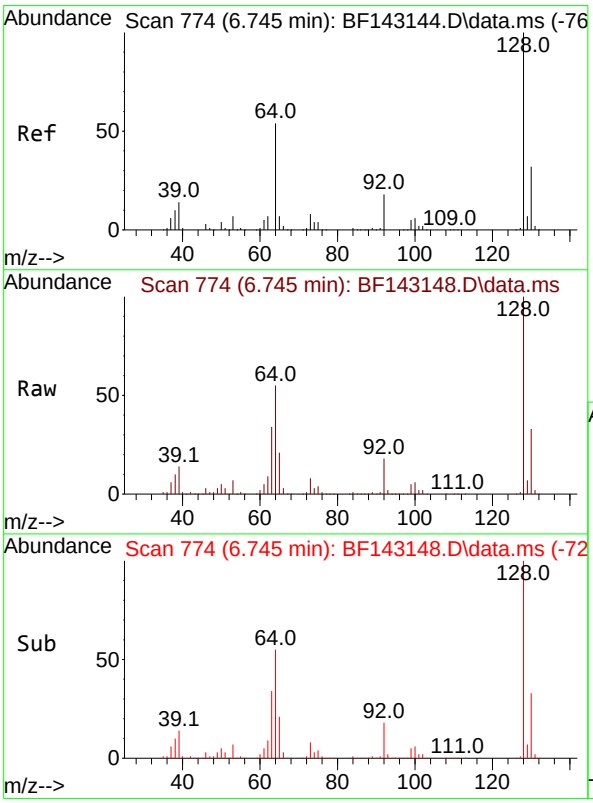
#7
Phenol-d6
Concen: 78.133 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 99 Resp: 894087

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	34.5	27.7	41.5

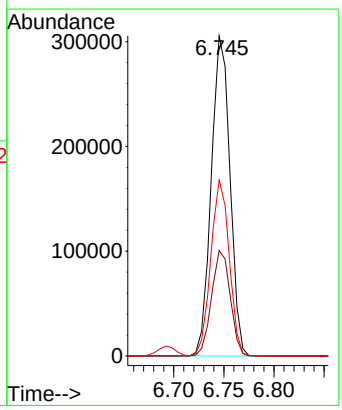


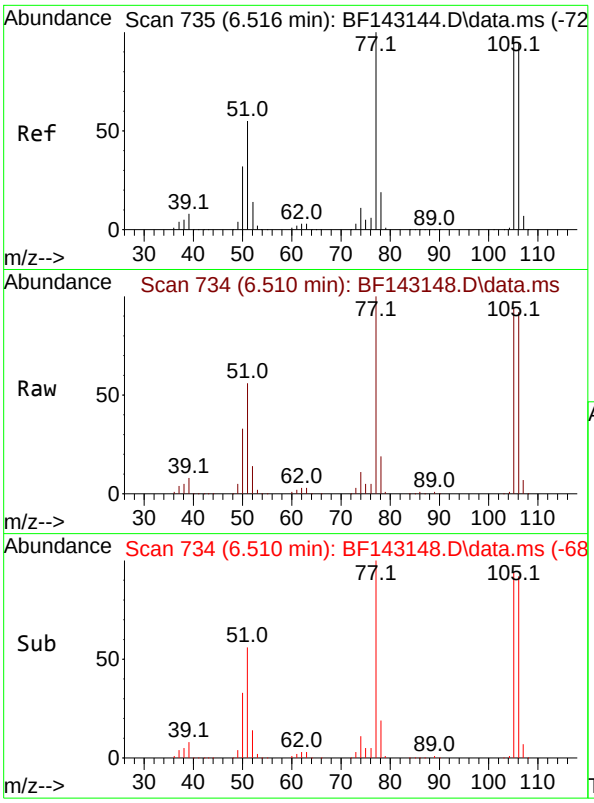


#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:128 Resp: 395767

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	54.9	35.9	75.9



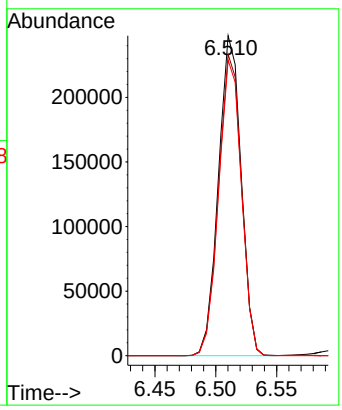


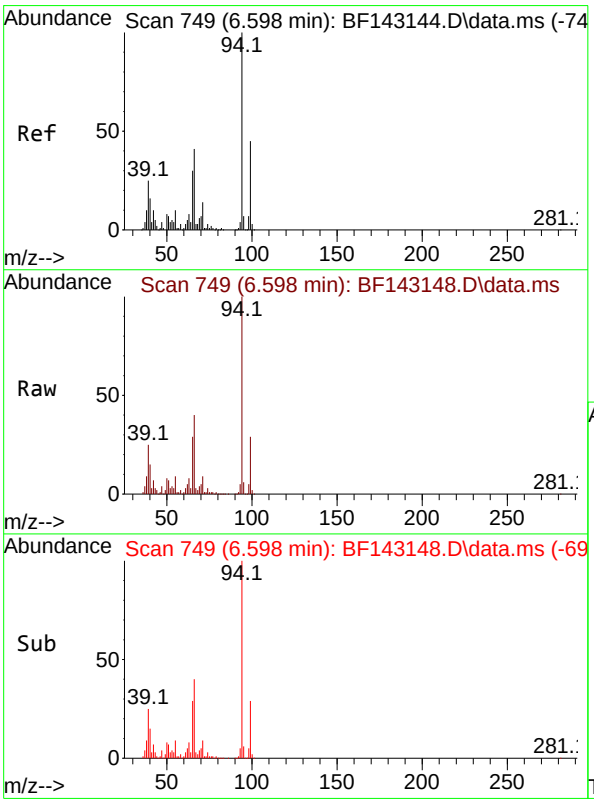
#9
Benzaldehyde
Concen: 37.441 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 77 Resp: 321269

Ion	Ratio	Lower	Upper
77	100		
105	94.2	76.8	116.8
106	92.4	74.4	114.4

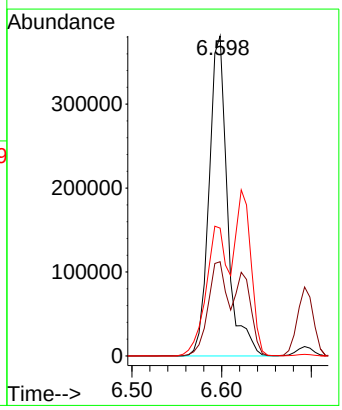


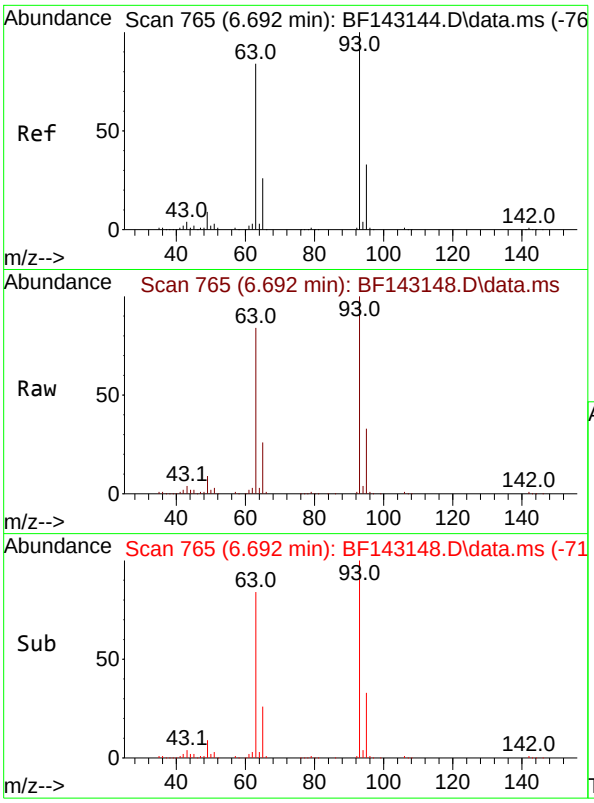


#10
Phenol
Concen: 43.542 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 94 Resp: 542809

Ion	Ratio	Lower	Upper
94	100		
65	29.4	10.0	50.0
66	40.0	20.8	60.8



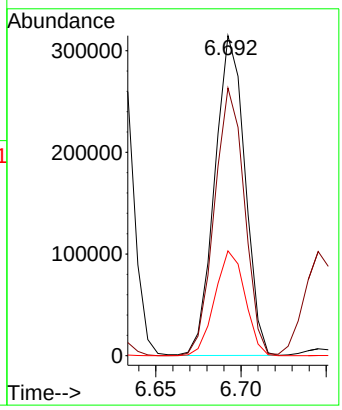


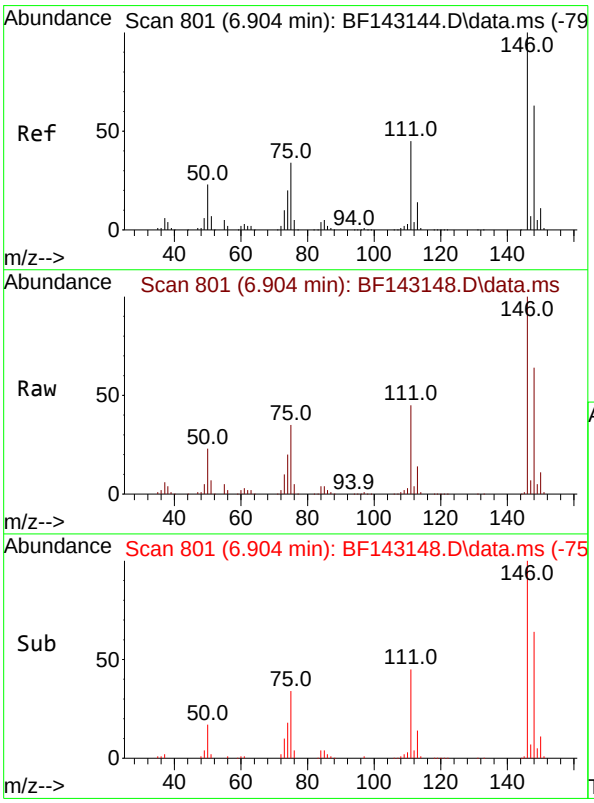
#11
bis(2-Chloroethyl)ether
Concen: 40.628 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 93 Resp: 387791

Ion	Ratio	Lower	Upper
93	100		
63	83.7	63.4	103.4
95	32.7	12.4	52.4

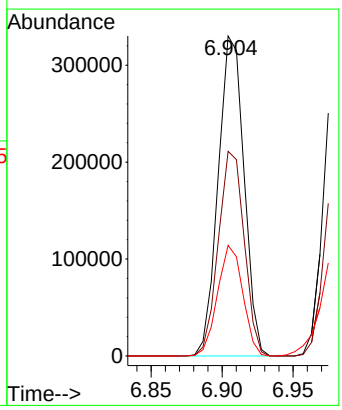


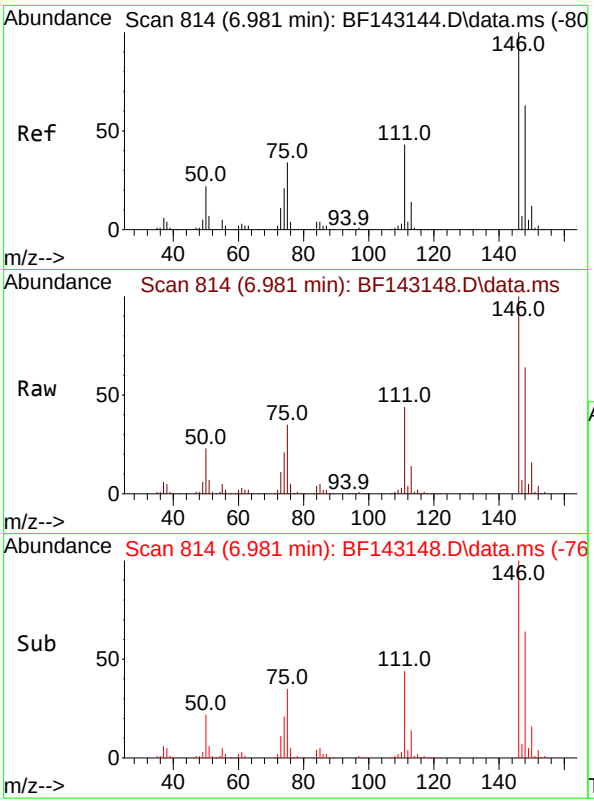


#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 418232

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
75	34.6	27.4	41.2



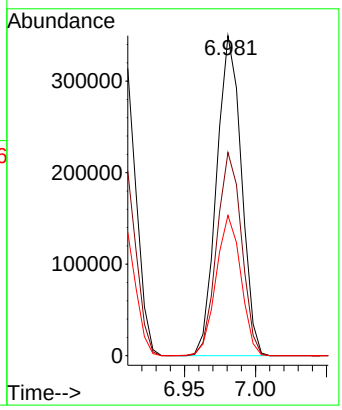


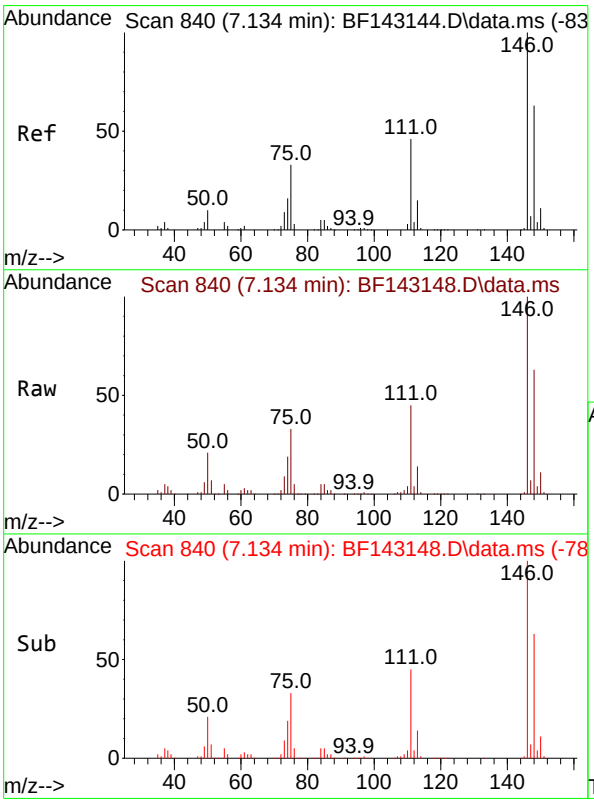
#13
1,4-Dichlorobenzene
Concen: 40.731 ng
RT: 6.981 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:146 Resp: 424629

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	43.8	34.4	51.6

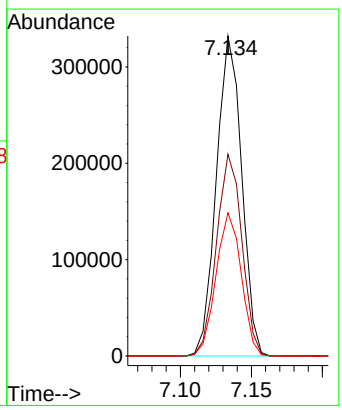


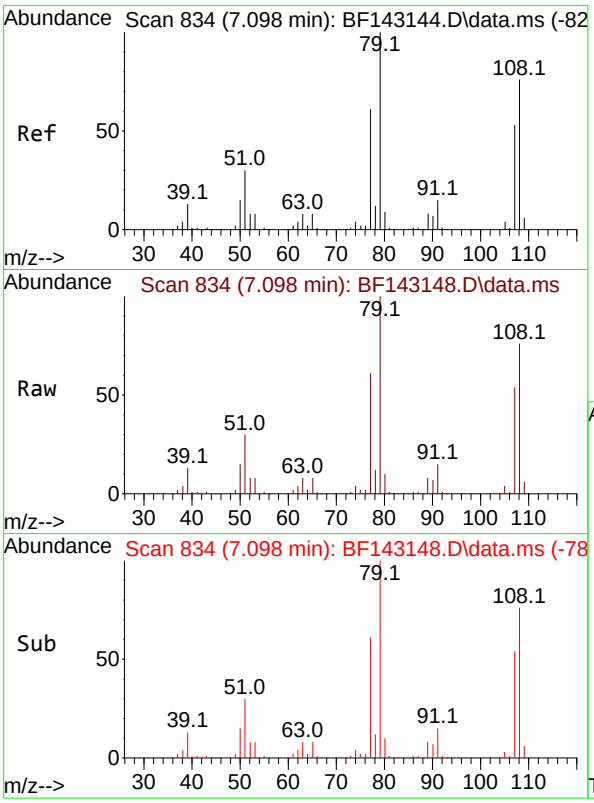


#14
1,2-Dichlorobenzene
Concen: 41.506 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:146 Resp: 411560

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.7	76.1
111	44.8	36.6	54.8



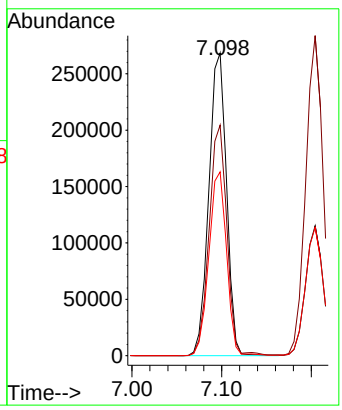


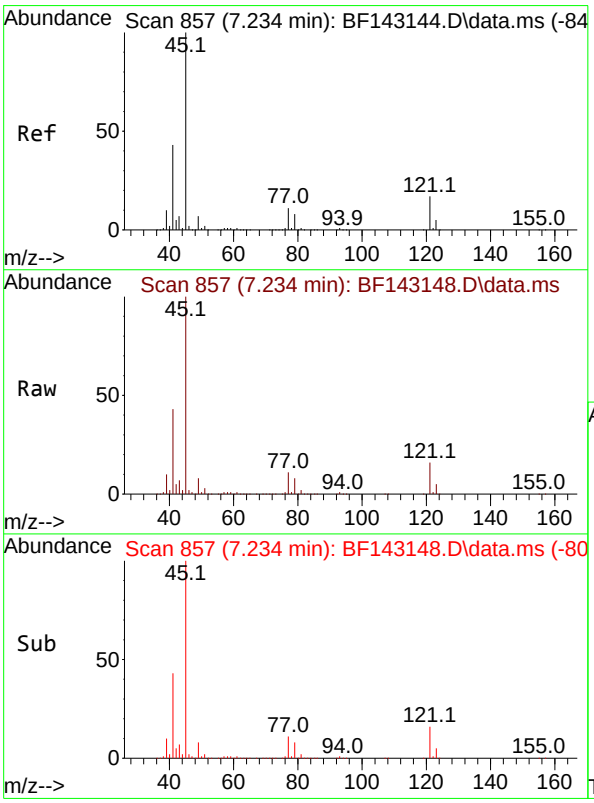
#15
Benzyl Alcohol
Concen: 41.958 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 79 Resp: 366608

Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.1	91.7
77	60.8	48.9	73.3

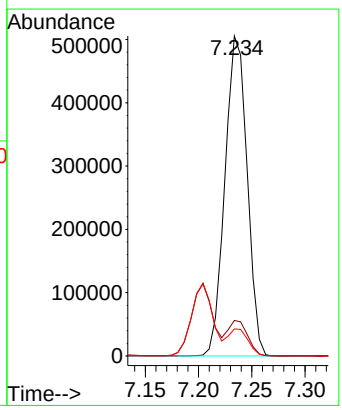


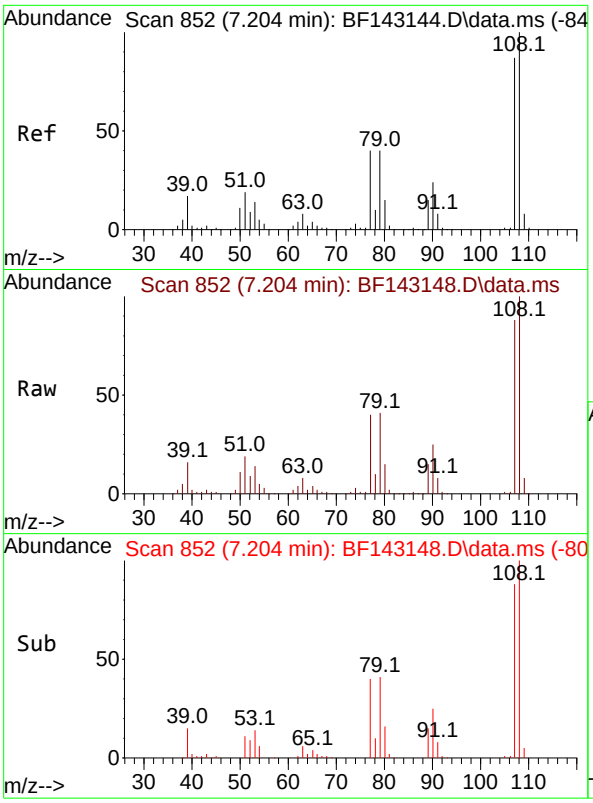


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.357 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 45 Resp: 732274

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.5	0.0	28.5



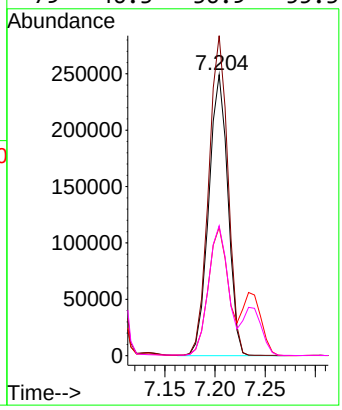


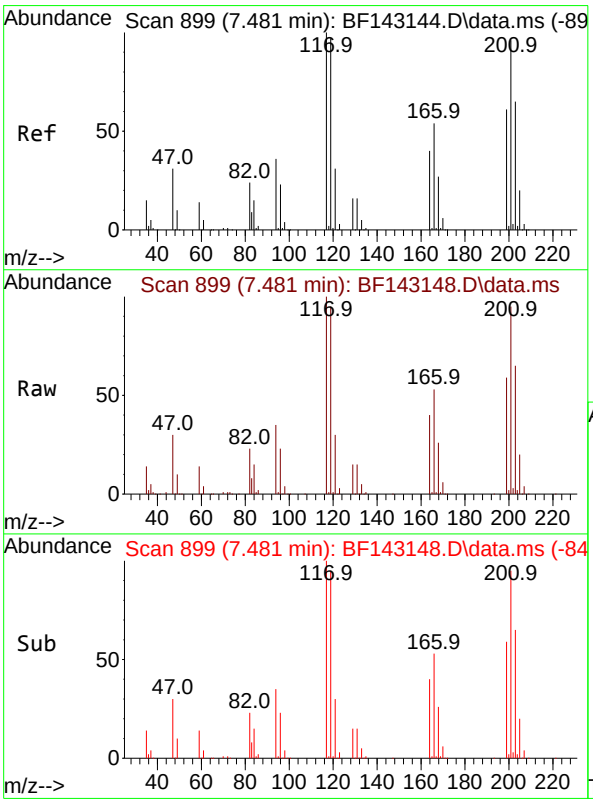
#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:107 Resp: 331709

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.8	137.6
77	45.7	37.0	55.6
79	46.3	36.9	55.3

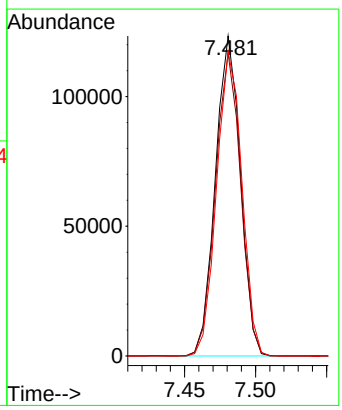


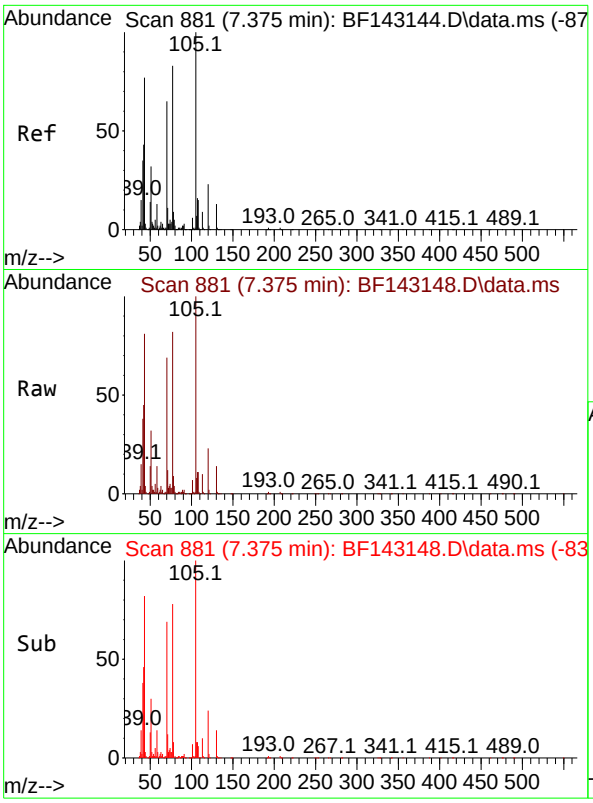


#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:117 Resp: 151232

Ion	Ratio	Lower	Upper
117	100		
119	94.7	77.8	116.8
201	95.2	77.0	115.4



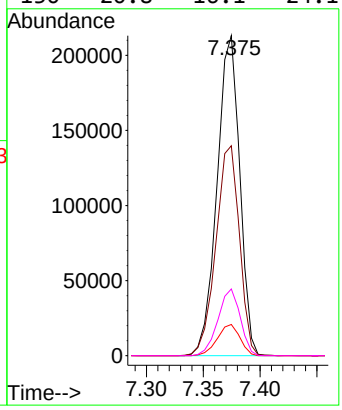


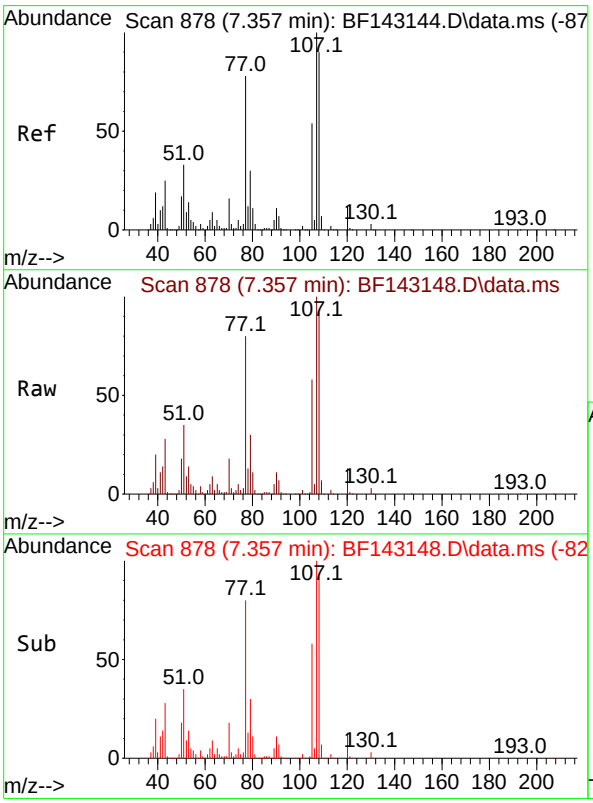
#19
n-Nitroso-di-n-propylamine
Concen: 40.342 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 70 Resp: 296171

Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.8	7.6	11.4
130	20.8	16.1	24.1

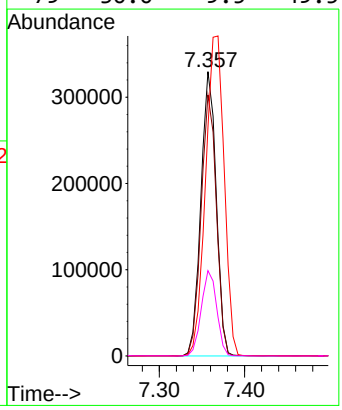


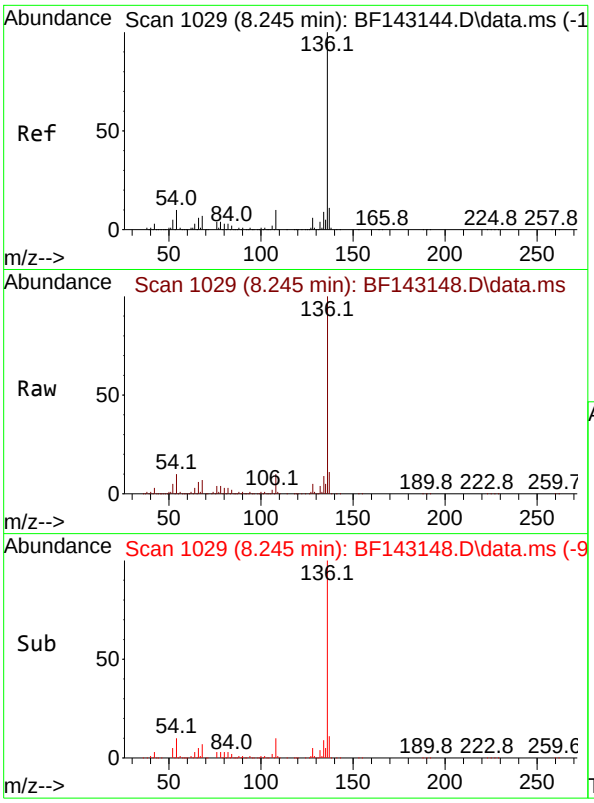


#20
3+4-Methylphenols
Concen: 42.387 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 412065

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	80.5	57.8	97.8
79	30.0	9.5	49.5



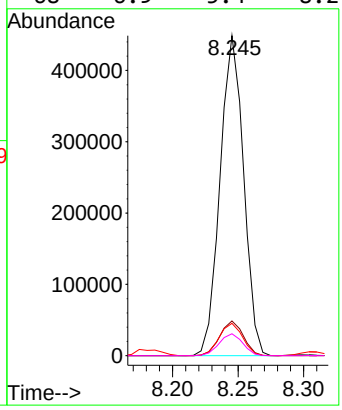


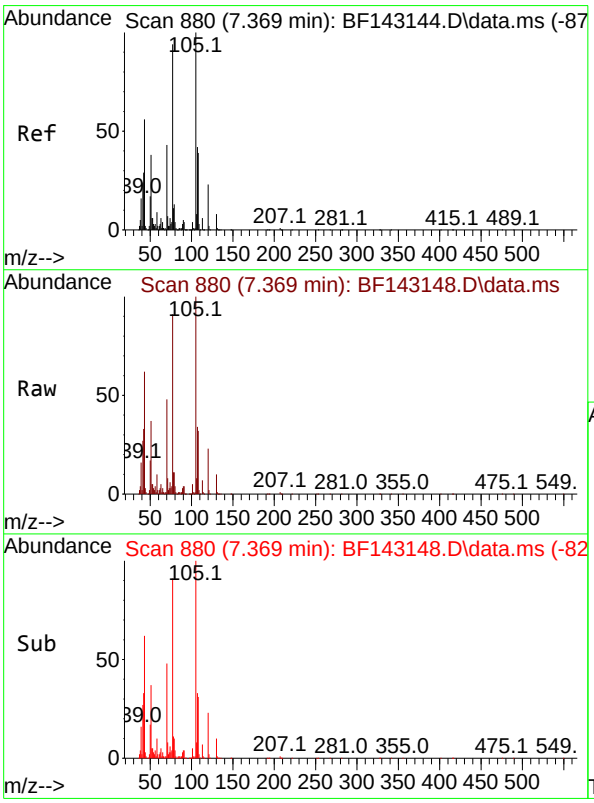
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:136 Resp: 559677

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	6.9	5.4	8.2

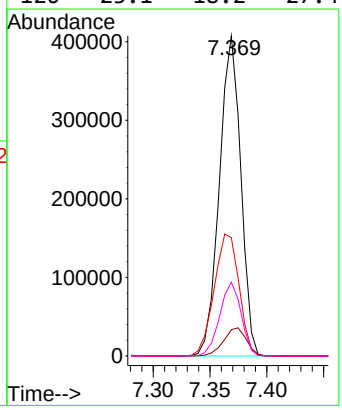


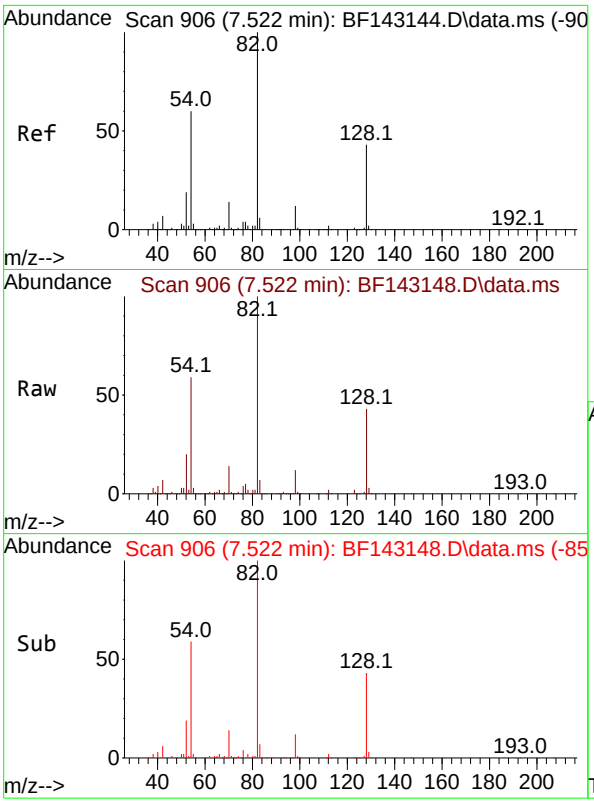


#22
Acetophenone
Concen: 40.260 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:105 Resp: 533464

Ion	Ratio	Lower	Upper
105	100		
71	8.2	5.8	8.6
51	37.0	30.2	45.2
120	23.1	18.2	27.4



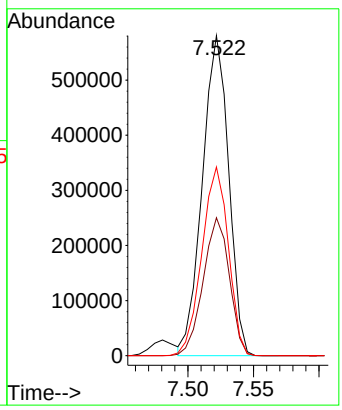


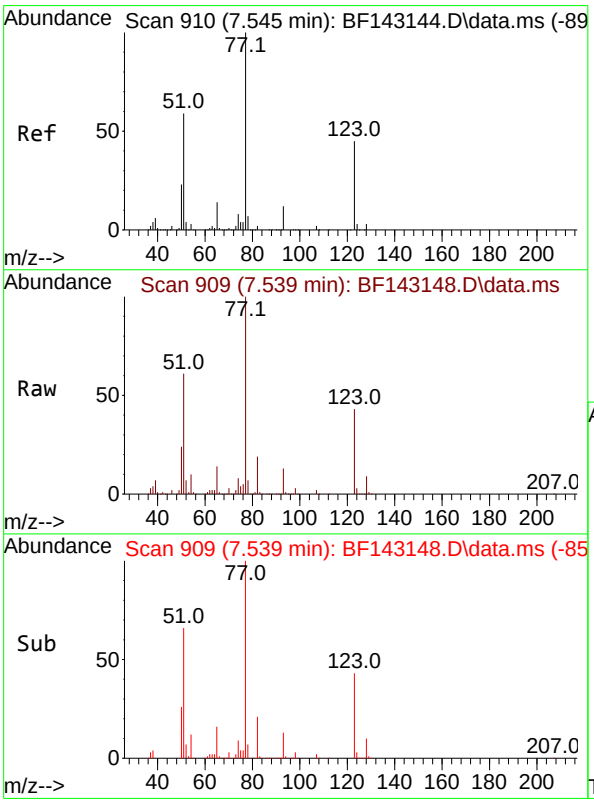
#23
Nitrobenzene-d5
Concen: 72.247 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 82 Resp: 811178

Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.9	47.1	70.7

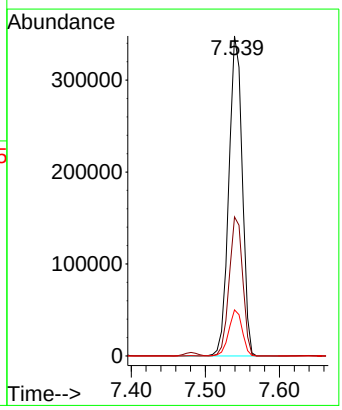


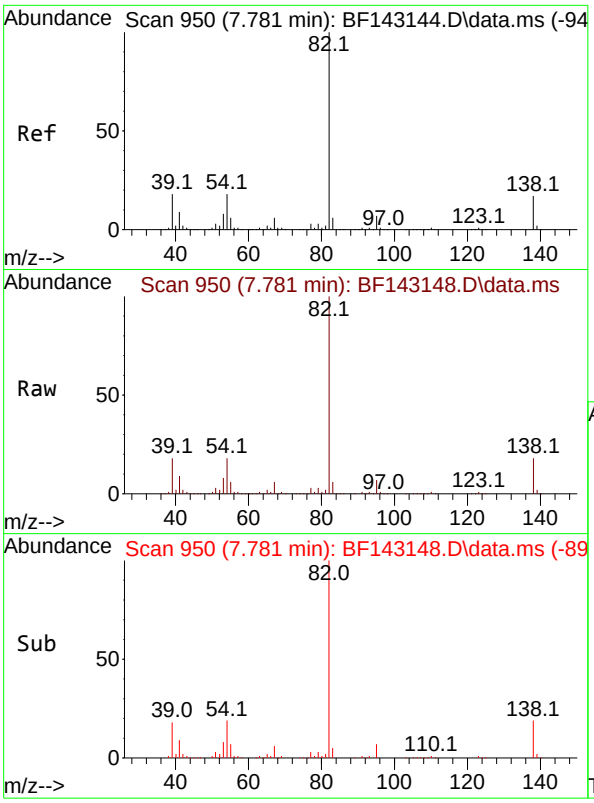


#24
Nitrobenzene
Concen: 41.731 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 77 Resp: 436834

Ion	Ratio	Lower	Upper
77	100		
123	43.5	36.1	54.1
65	14.4	11.4	17.2



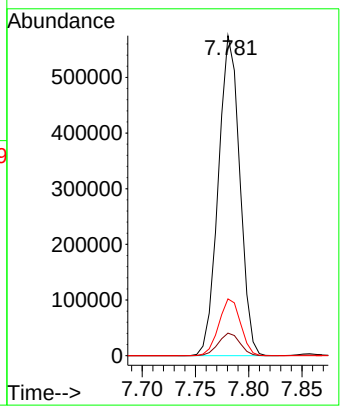


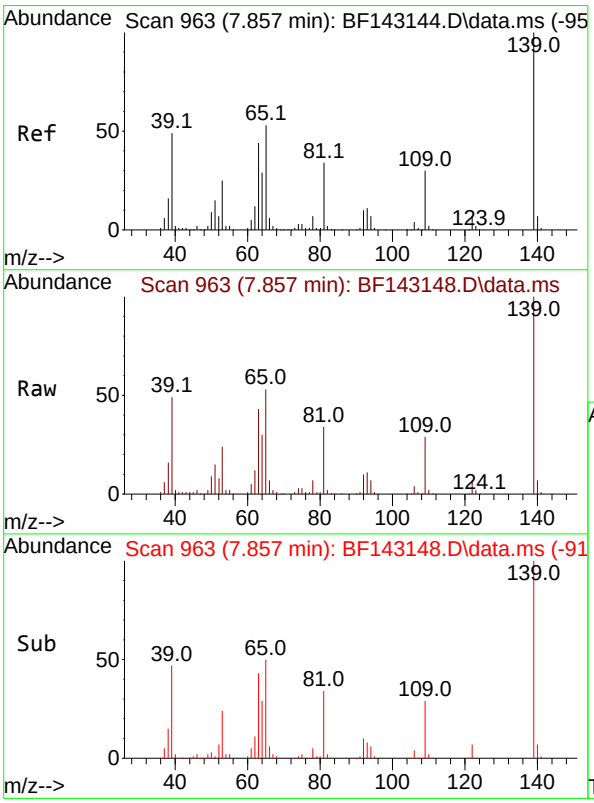
#25
Isophorone
Concen: 40.567 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 82 Resp: 804071

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.8	13.8	20.8

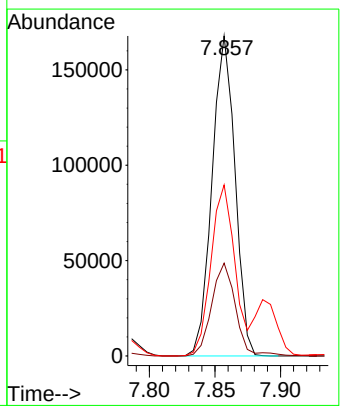


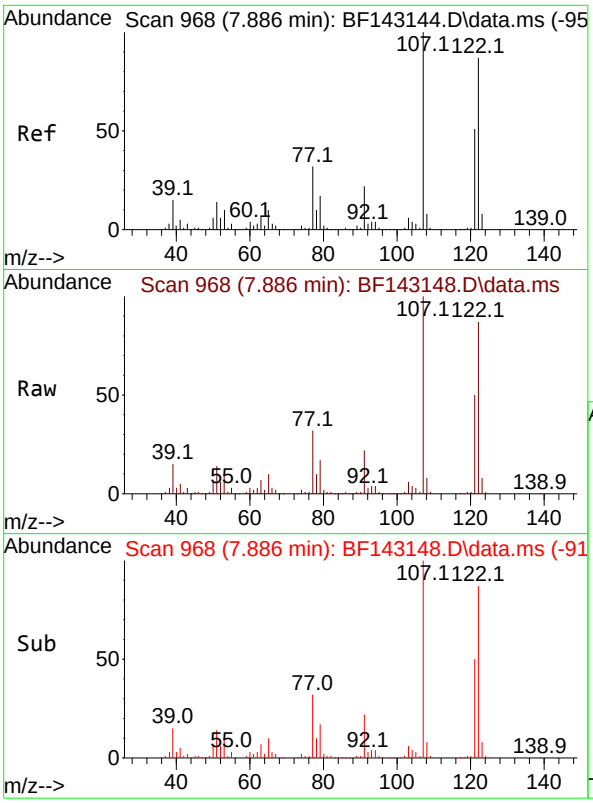


#26
2-Nitrophenol
Concen: 44.896 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 203967

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	53.4	42.6	64.0



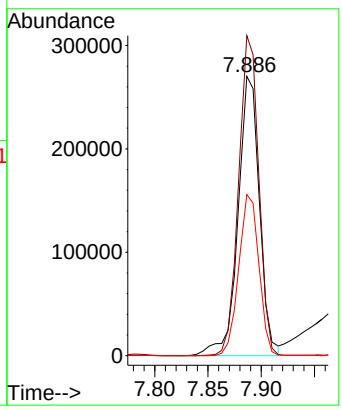


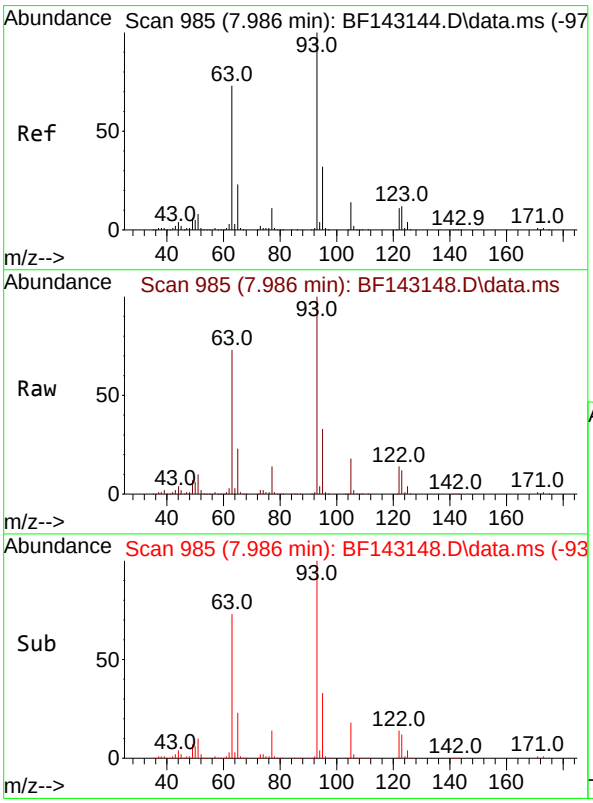
#27
2,4-Dimethylphenol
Concen: 40.773 ng
RT: 7.886 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:122 Resp: 377575

Ion	Ratio	Lower	Upper
122	100		
107	114.6	91.8	137.6
121	57.7	46.3	69.5

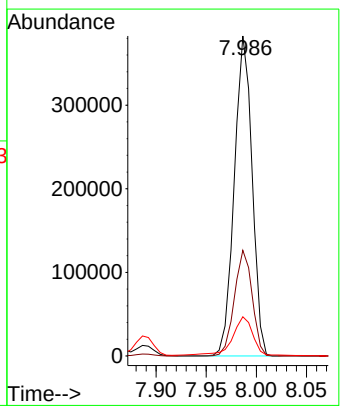


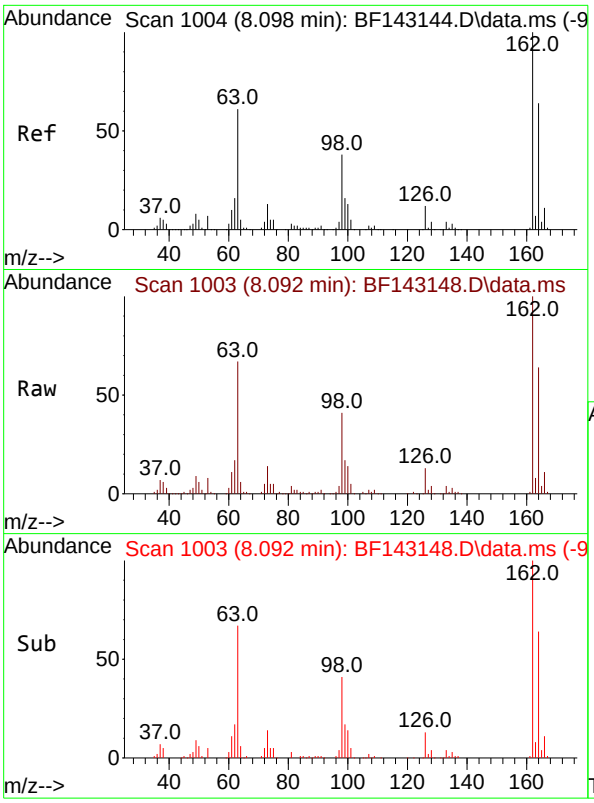


#28
bis(2-Chloroethoxy)methane
Concen: 39.939 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 93 Resp: 474637

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.6
123	12.2	9.7	14.5



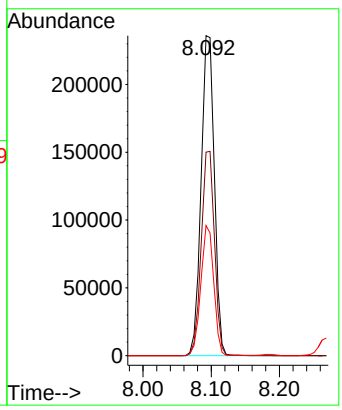


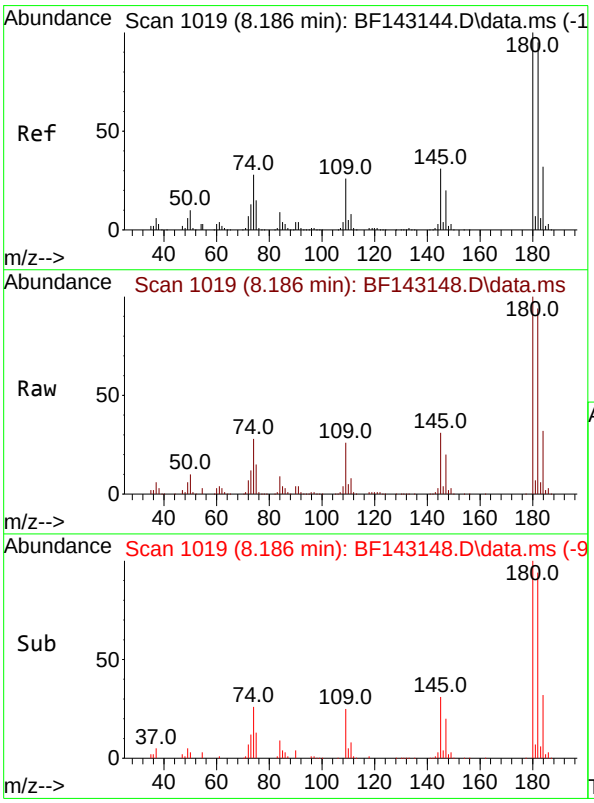
#29
2,4-Dichlorophenol
Concen: 40.875 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:162 Resp: 319216

Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.2	84.2
98	40.7	17.9	57.9

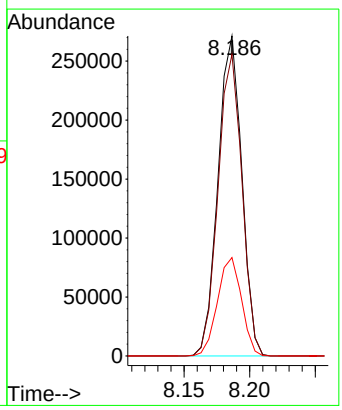


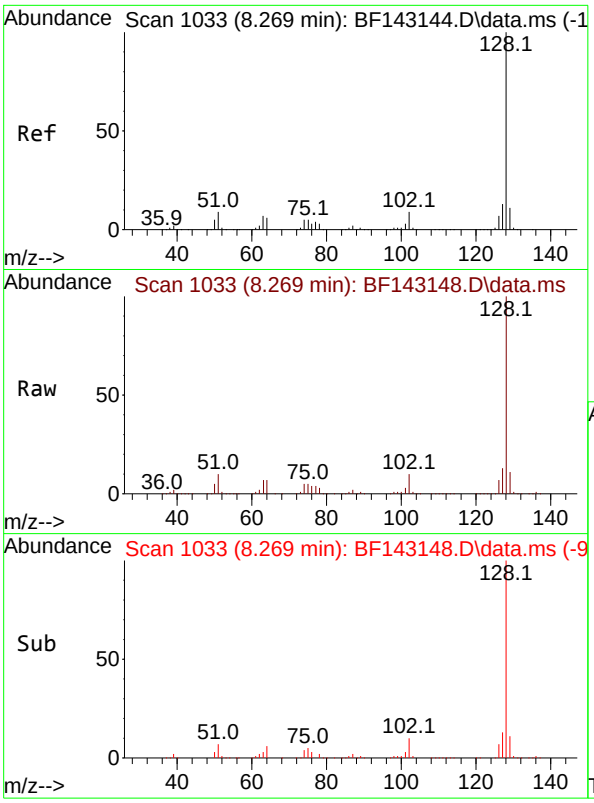


#30
1,2,4-Trichlorobenzene
Concen: 40.551 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:180 Resp: 342135

Ion	Ratio	Lower	Upper
180	100		
182	94.2	76.2	114.2
145	30.8	25.0	37.6



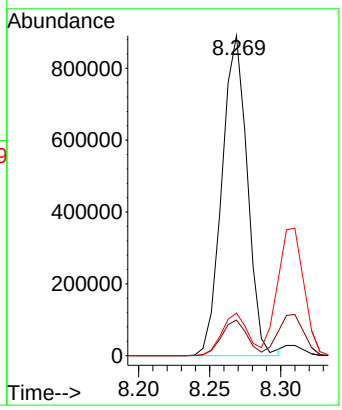


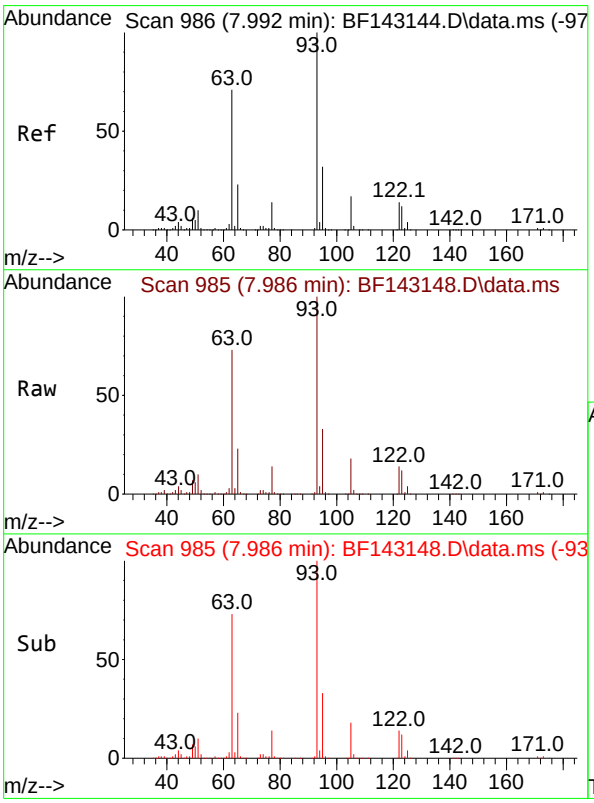
#31
Naphthalene
Concen: 40.143 ng
RT: 8.269 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:128 Resp: 1106482

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.3	10.6	16.0

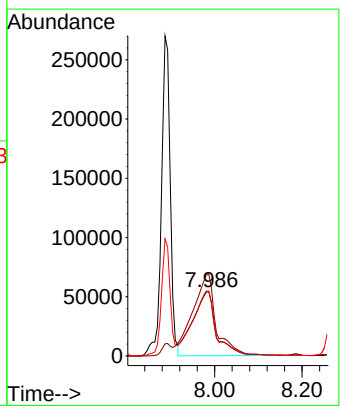


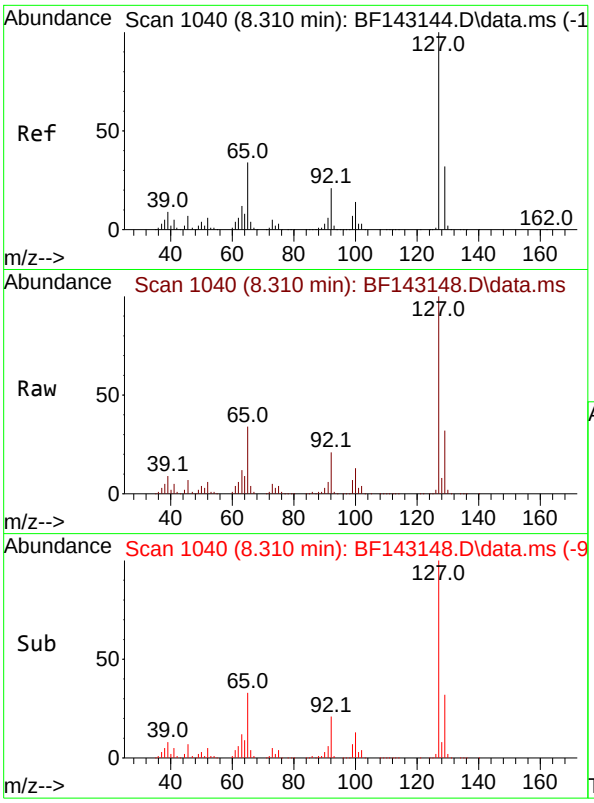


#32
Benzoic acid
Concen: 39.782 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:122 Resp: 202337

Ion	Ratio	Lower	Upper
122	100		
105	127.2	104.8	144.8
77	100.3	77.6	117.6



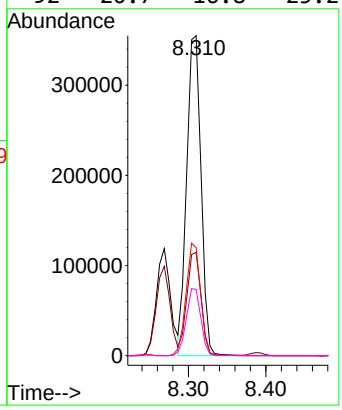


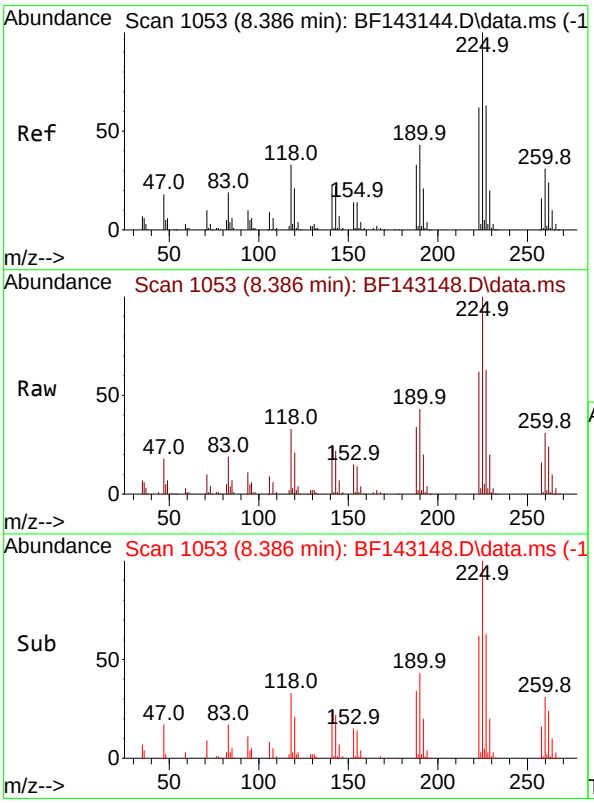
#33
4-Chloroaniline
Concen: 40.671 ng
RT: 8.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:127 Resp: 457742

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.8	27.4	41.2
92	20.7	16.8	25.2

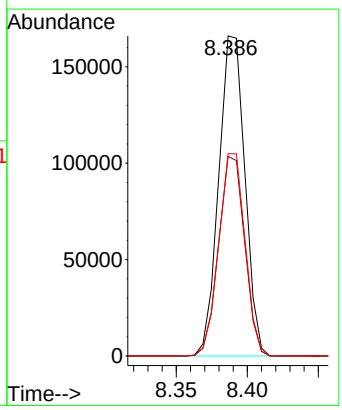


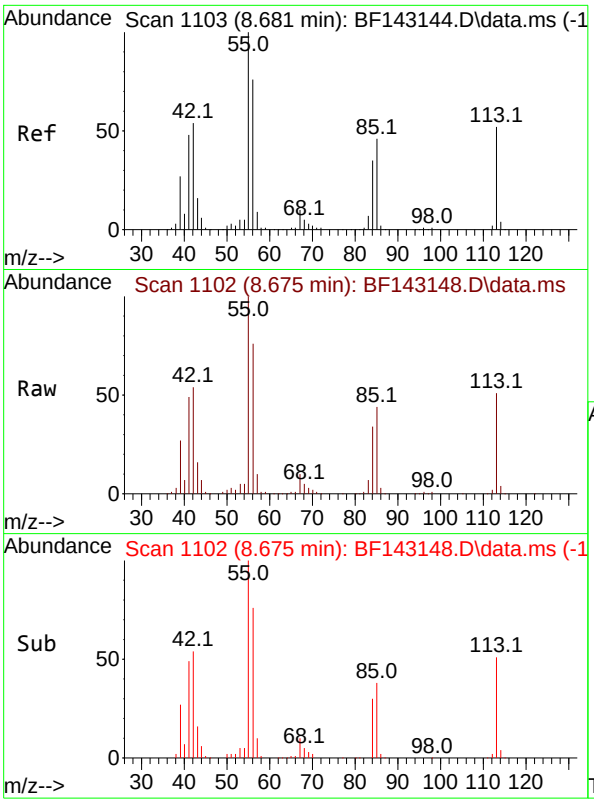


#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:225 Resp: 212781

Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	63.2	50.2	75.4



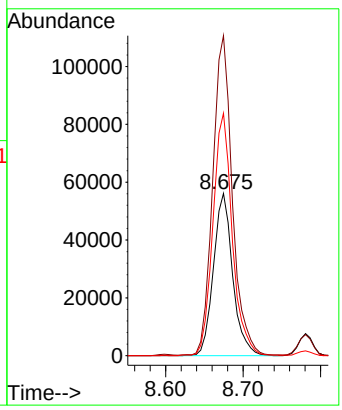


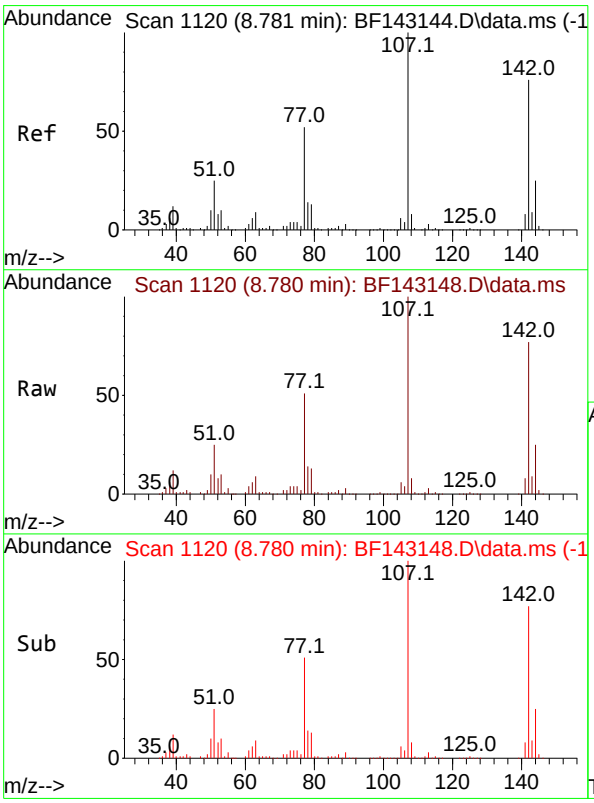
#35
Caprolactam
Concen: 40.959 ng
RT: 8.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:113 Resp: 96661

Ion	Ratio	Lower	Upper
113	100		
55	197.3	174.0	214.0
56	149.4	126.6	166.6

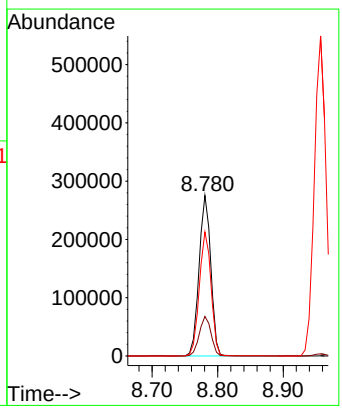


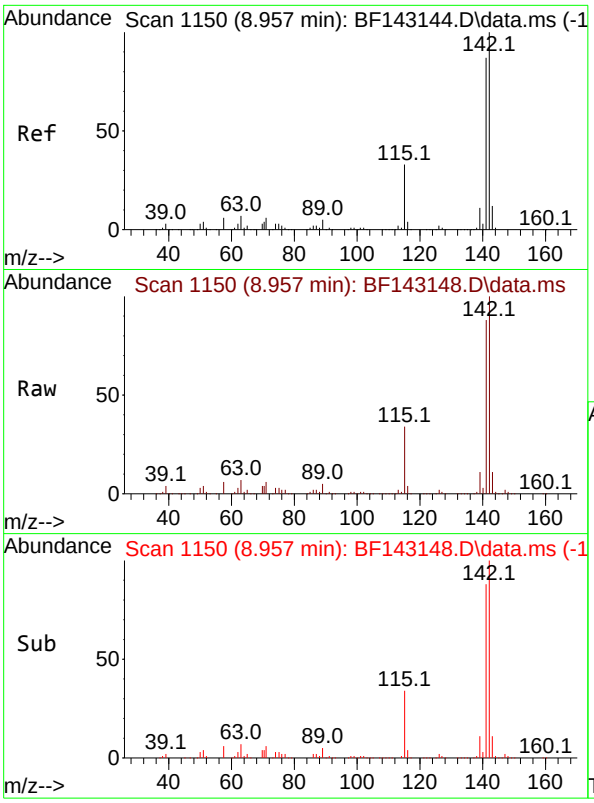


#36
4-Chloro-3-methylphenol
Concen: 40.611 ng
RT: 8.780 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 344726

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	77.3	60.6	90.8



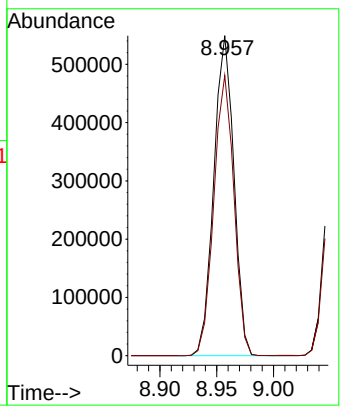


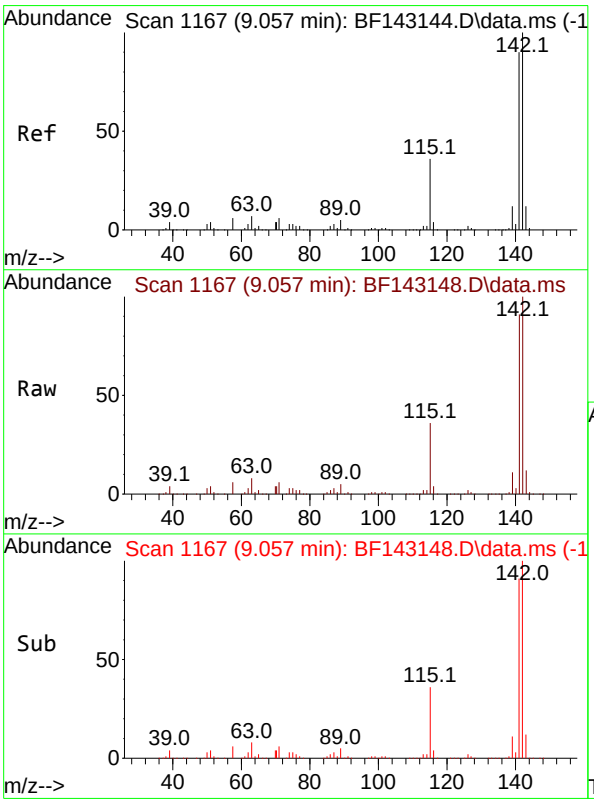
#37
2-Methylnaphthalene
Concen: 40.279 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:142 Resp: 675594

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.9	104.9

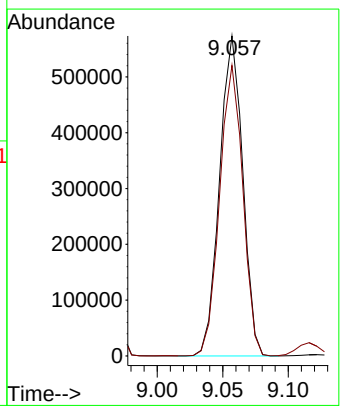


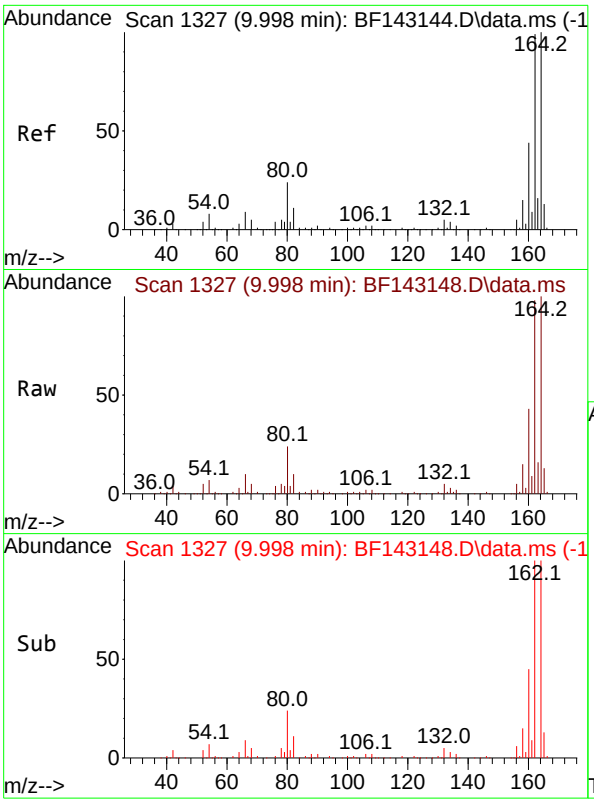


#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:142 Resp: 703170

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.3	108.5



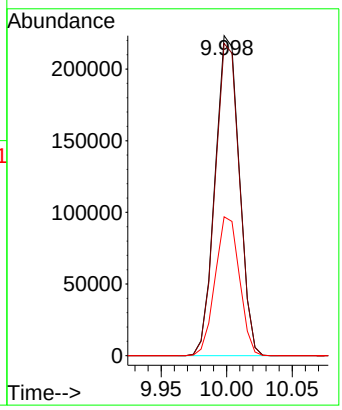


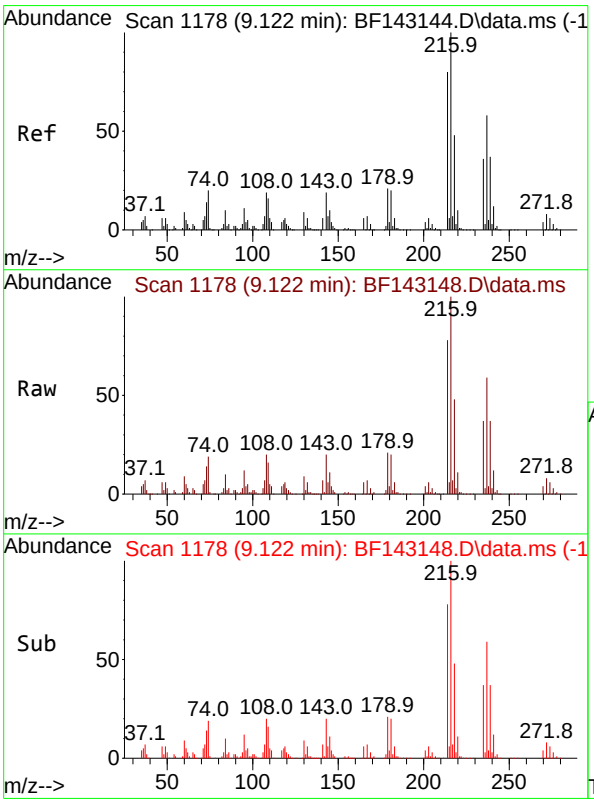
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:164 Resp: 287255

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.0	118.6
160	43.4	35.1	52.7

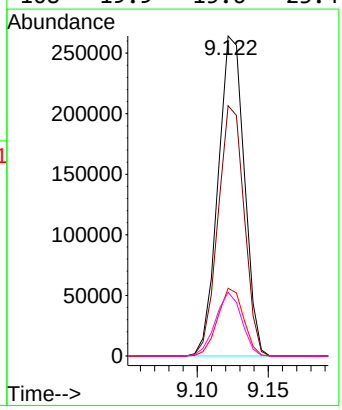


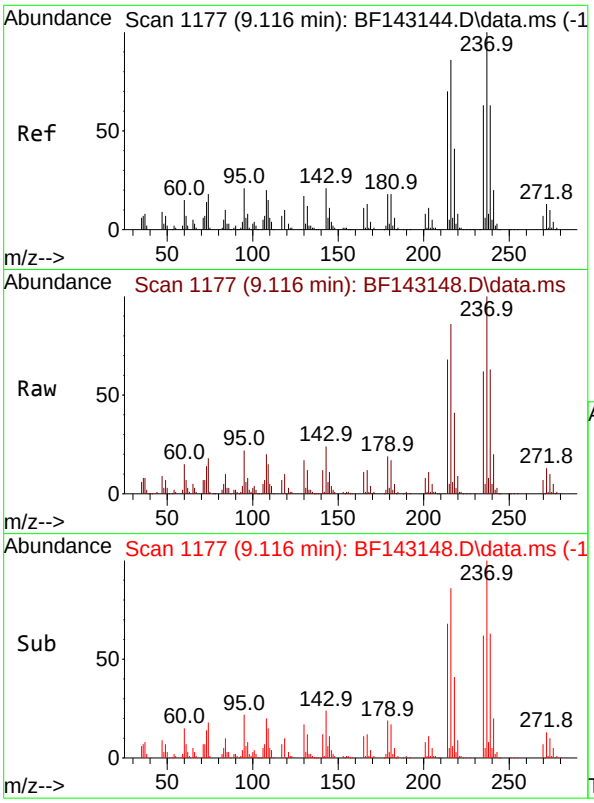


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.944 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:216 Resp: 339567

Ion	Ratio	Lower	Upper
216	100		
214	77.8	63.8	95.8
179	20.8	16.4	24.6
108	19.9	15.6	23.4



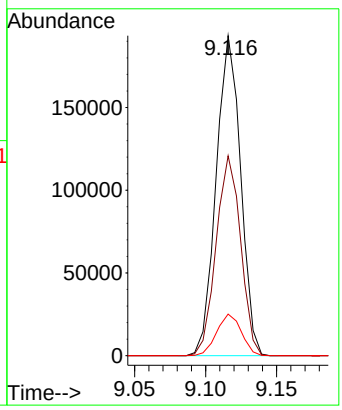


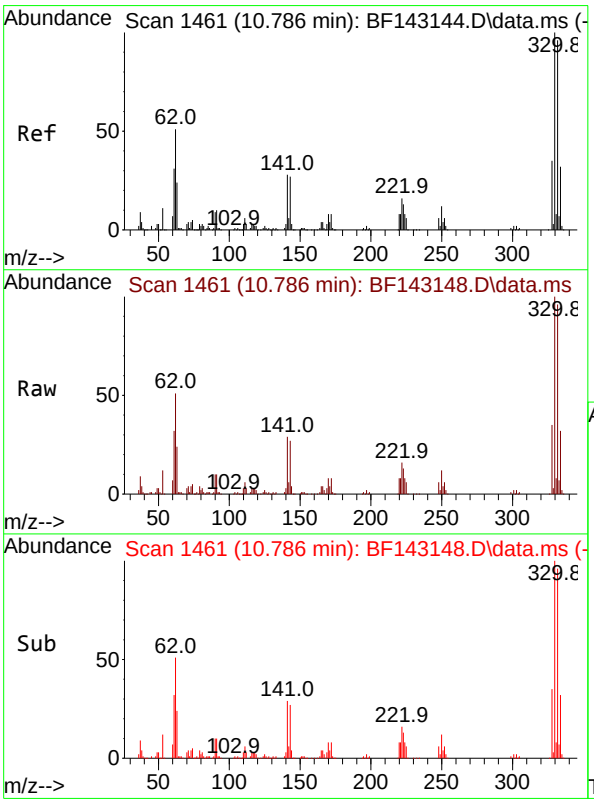
#41
Hexachlorocyclopentadiene
Concen: 42.872 ng
RT: 9.116 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:237 Resp: 231349

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.0	83.0
272	13.0	0.0	33.3

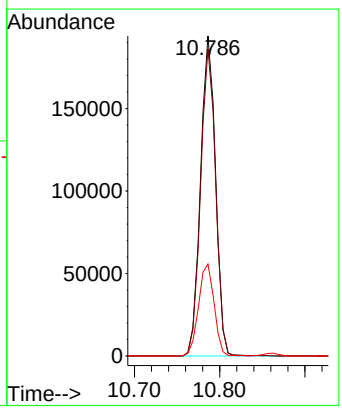


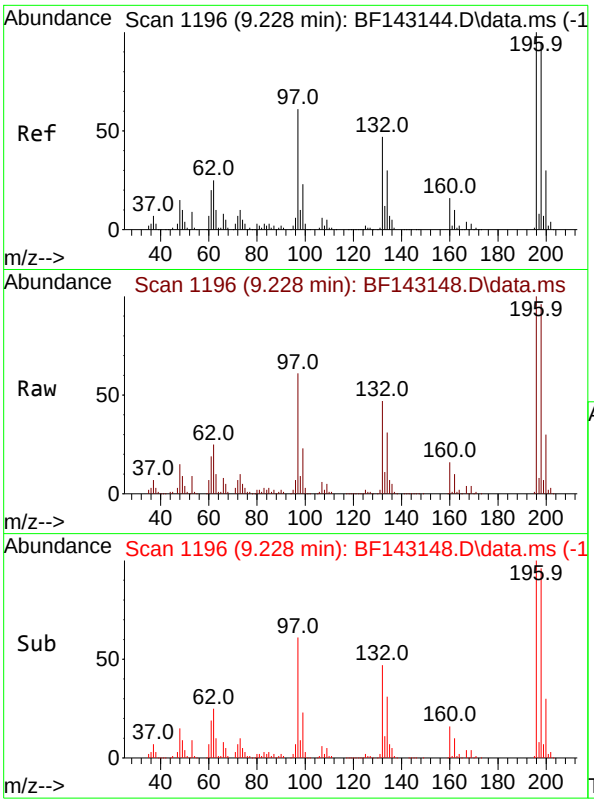


#42
2,4,6-Tribromophenol
Concen: 79.969 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:330 Resp: 237309

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.7	115.1
141	29.8	23.3	34.9



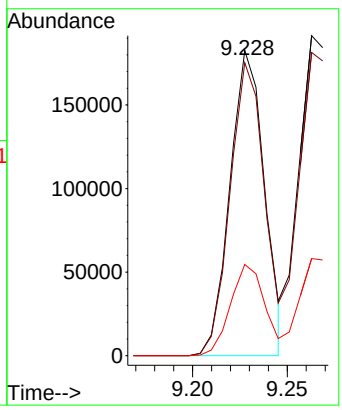


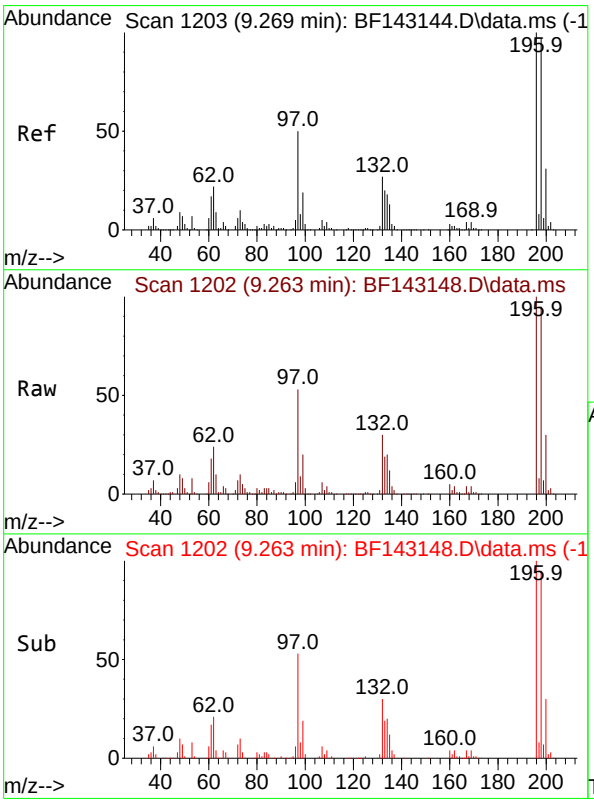
#43
2,4,6-Trichlorophenol
Concen: 40.253 ng
RT: 9.228 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:196 Resp: 231043

Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.2	114.2
200	29.9	23.9	35.9

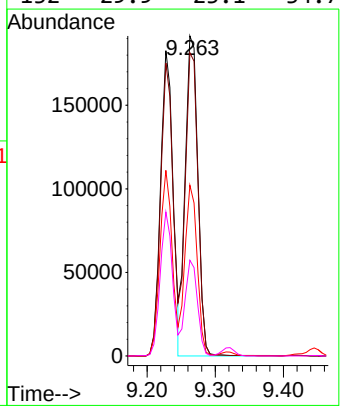


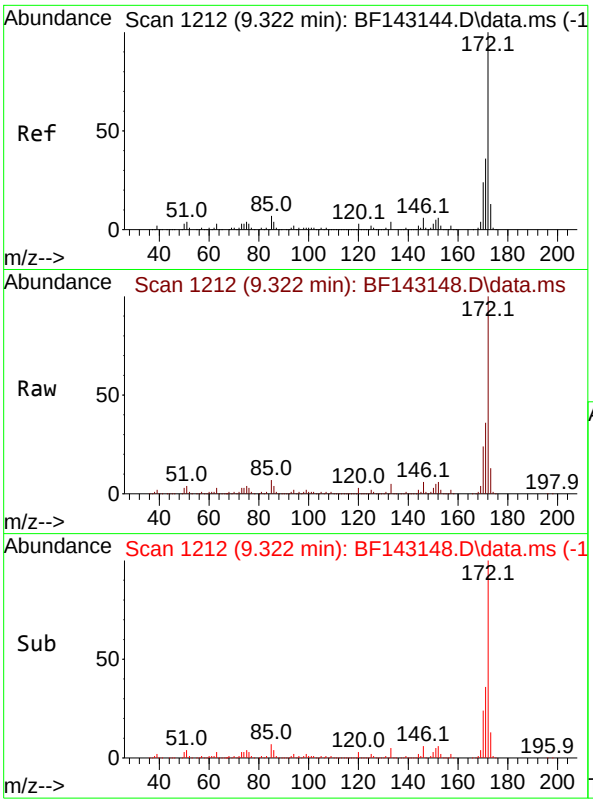


#44
2,4,5-Trichlorophenol
Concen: 42.989 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:196 Resp: 246820

Ion	Ratio	Lower	Upper
196	100		
198	94.8	77.3	115.9
97	53.3	40.3	60.5
132	29.9	23.1	34.7



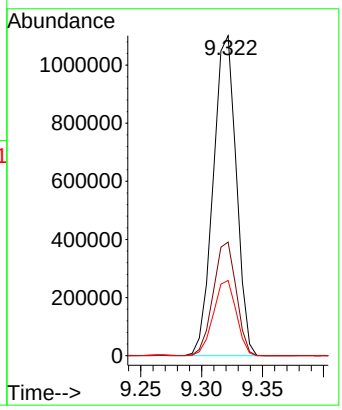


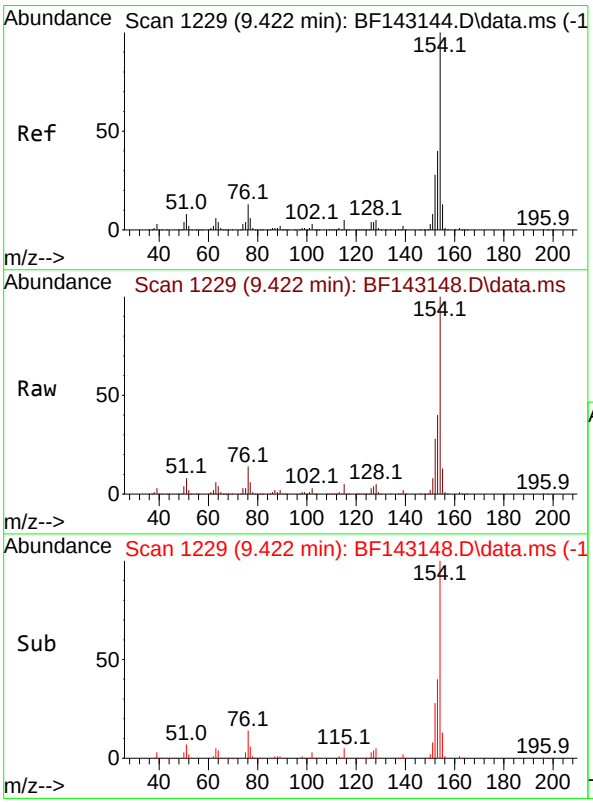
#45
2-Fluorobiphenyl
Concen: 68.992 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:172 Resp: 1449098

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.5	18.8	28.2

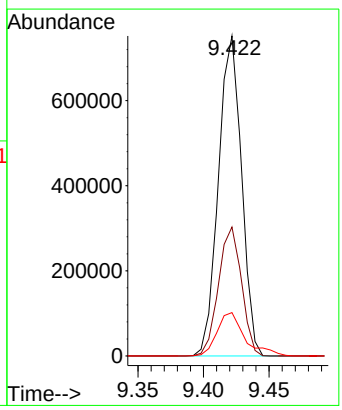


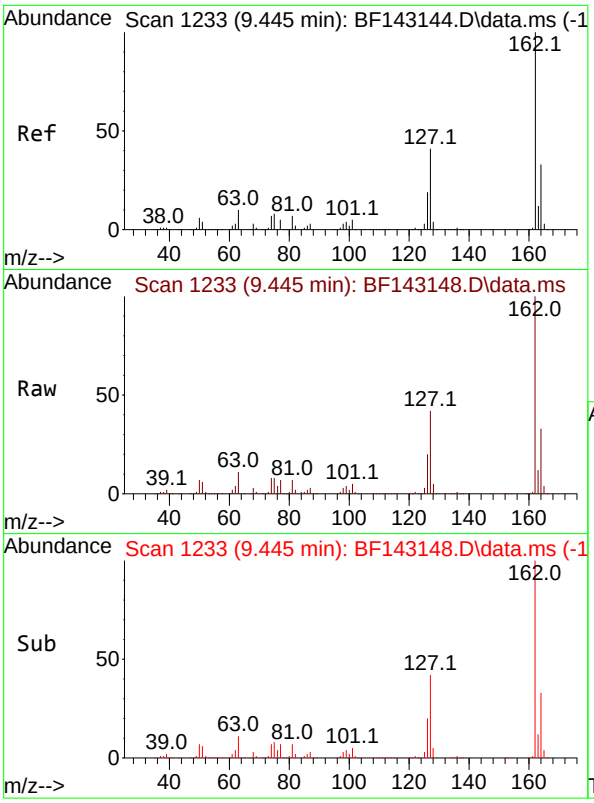


#46
1,1'-Biphenyl
Concen: 41.053 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 920059

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.3	60.3
76	13.5	0.0	33.3



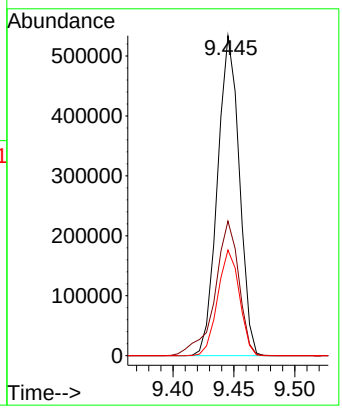


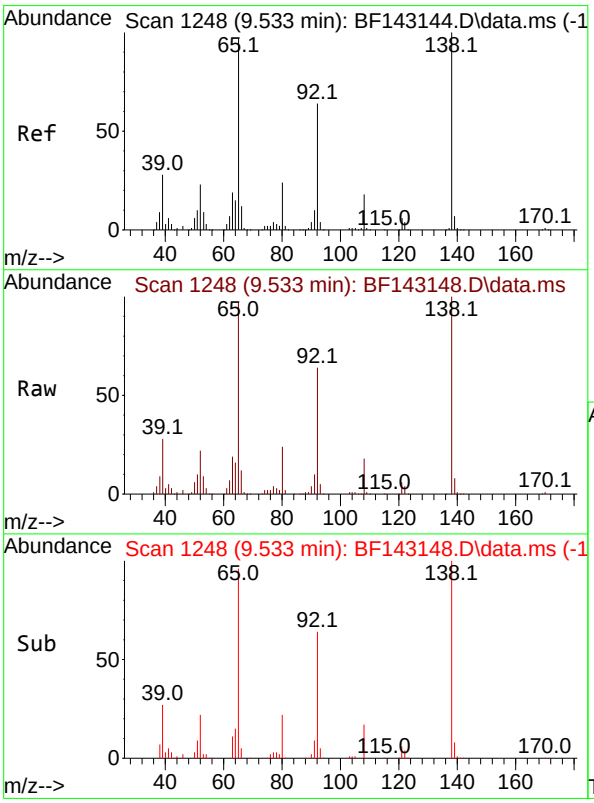
#47
2-Chloronaphthalene
Concen: 40.184 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:162 Resp: 666359

Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.4	50.2
164	33.0	26.2	39.2

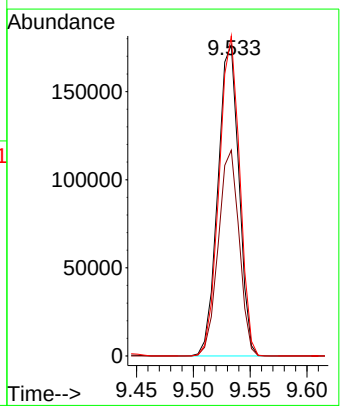


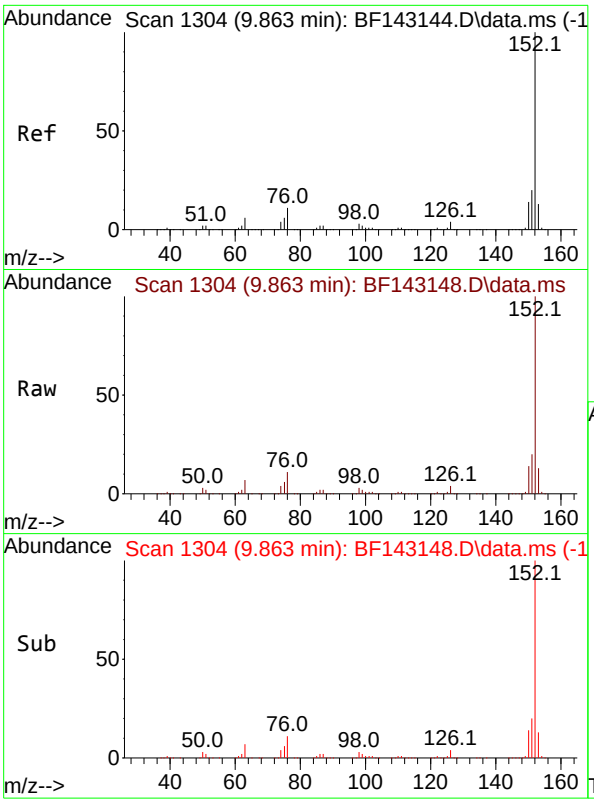


#48
2-Nitroaniline
Concen: 43.723 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 65 Resp: 227376

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.4	78.6
138	102.9	82.3	123.5



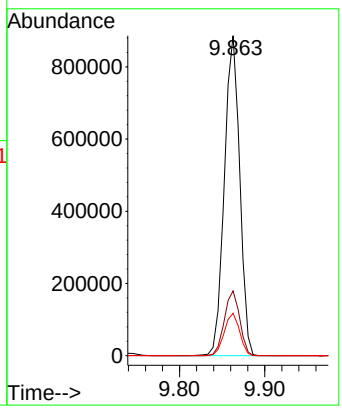


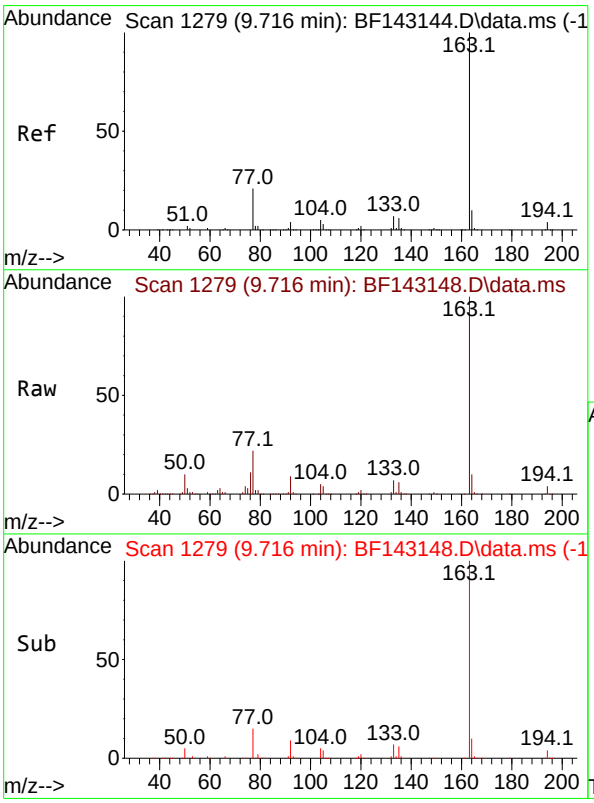
#49
Acenaphthylene
Concen: 40.013 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:152 Resp: 1111992

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.6	16.0

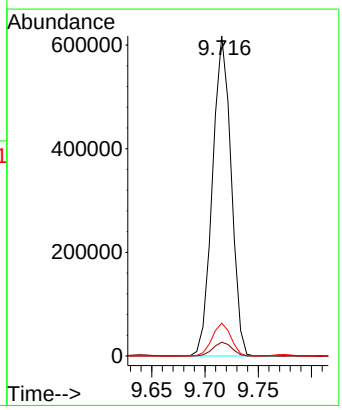


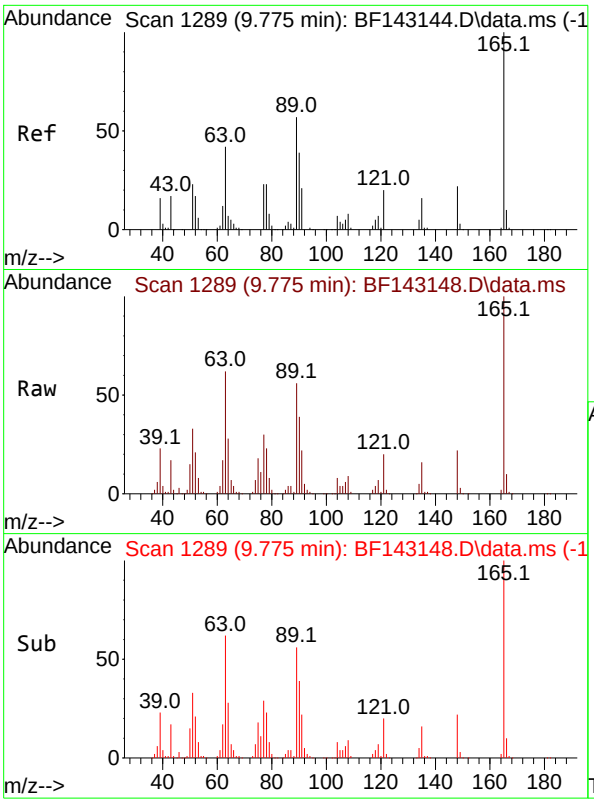


#50
Dimethylphthalate
Concen: 40.218 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:163 Resp: 753041

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.3	12.5



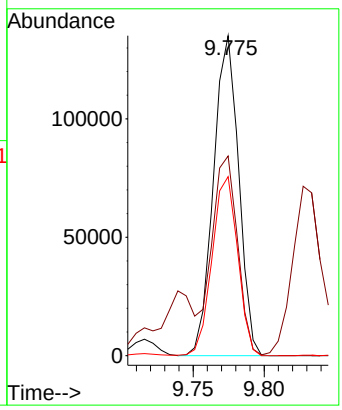


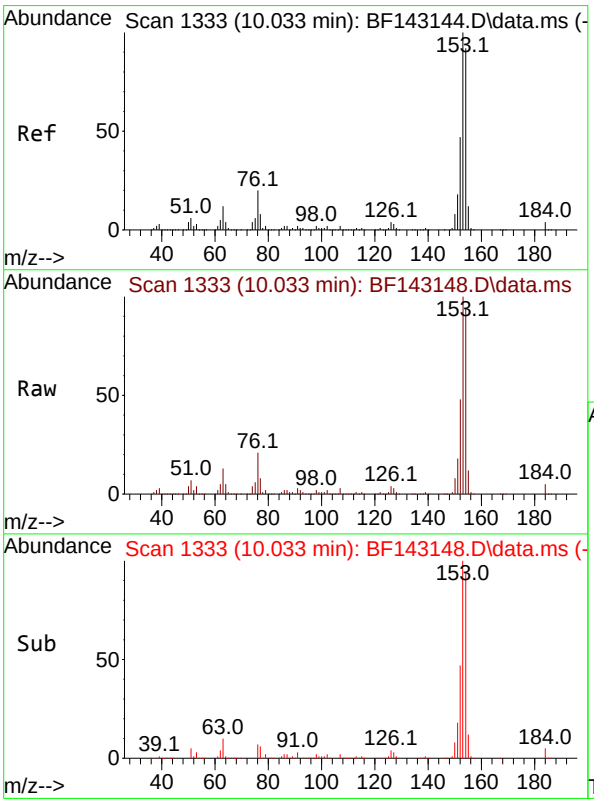
#51
2,6-Dinitrotoluene
Concen: 43.820 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:165 Resp: 166911

Ion	Ratio	Lower	Upper
165	100		
63	62.4	49.4	74.2
89	56.0	46.2	69.2

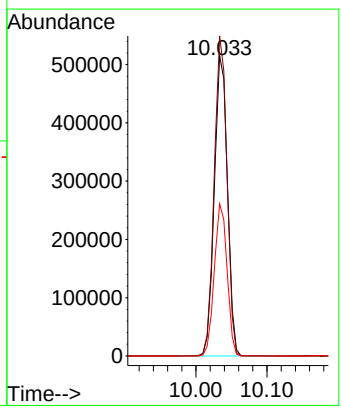


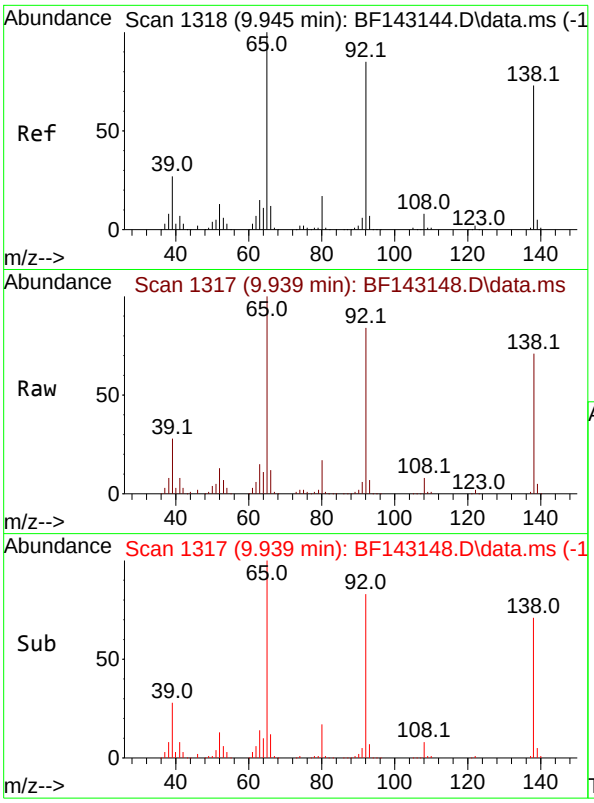


#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:154 Resp: 659908

Ion	Ratio	Lower	Upper
154	100		
153	106.6	86.6	129.8
152	50.7	40.4	60.6



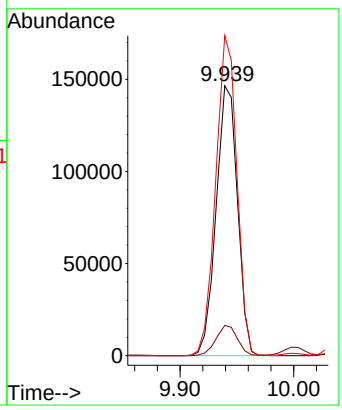


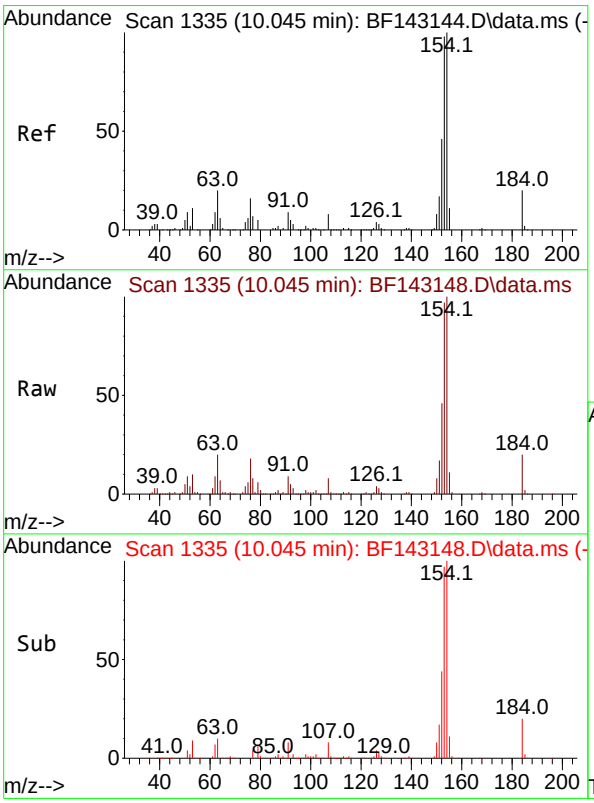
#53
3-Nitroaniline
Concen: 42.985 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:138 Resp: 191512

Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.6
92	118.6	93.0	139.4

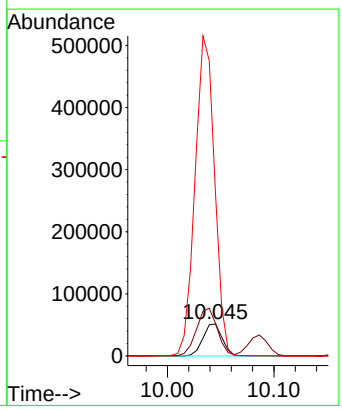


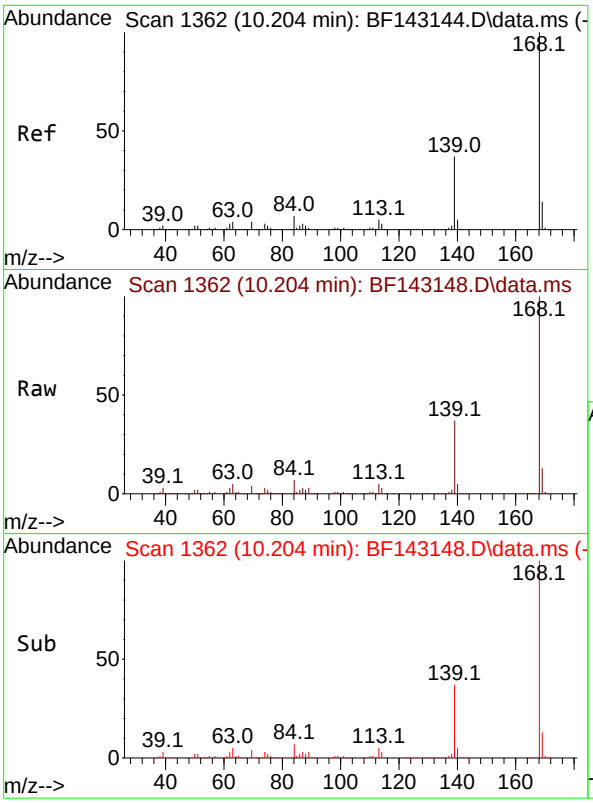


#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:184 Resp: 64659

Ion	Ratio	Lower	Upper
184	100		
63	102.3	81.8	122.6
154	509.4	412.2	618.4



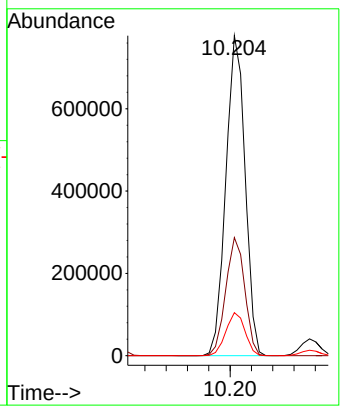


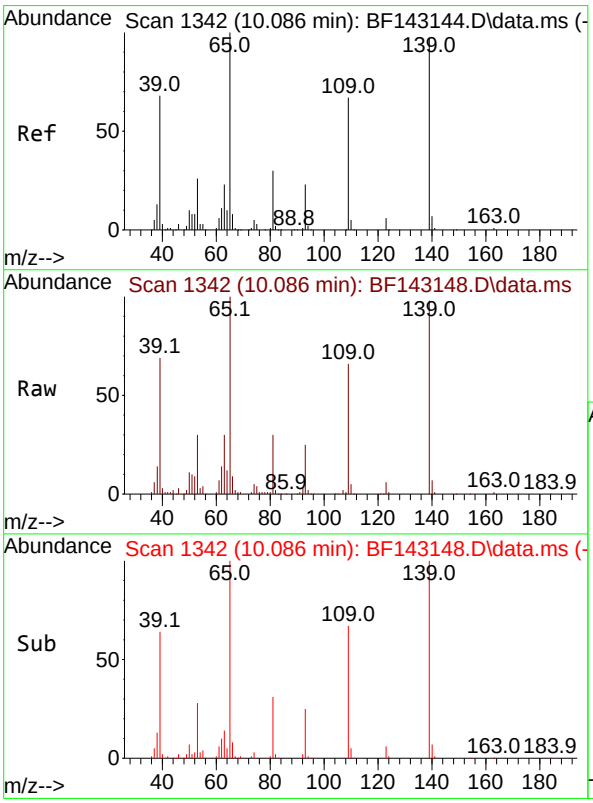
#55
Dibenzofuran
Concen: 39.981 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:168 Resp: 974991

Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.5	10.9	16.3

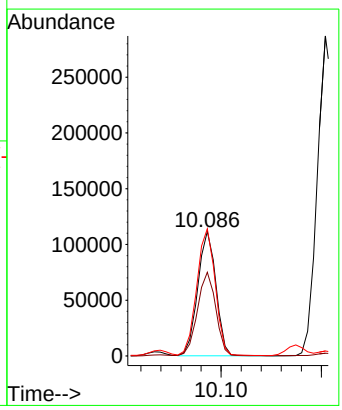


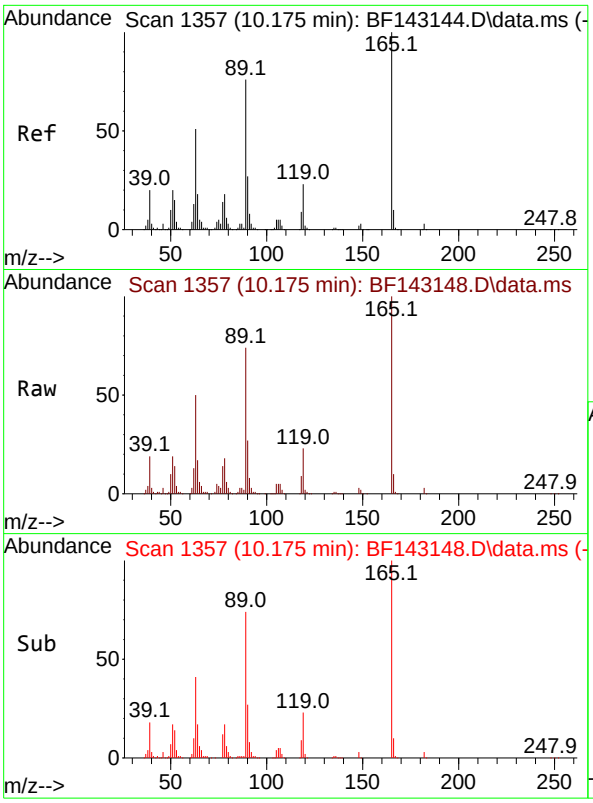


#56
4-Nitrophenol
Concen: 42.344 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:139 Resp: 140876

Ion	Ratio	Lower	Upper
139	100		
109	67.2	48.5	88.5
65	102.1	83.4	123.4



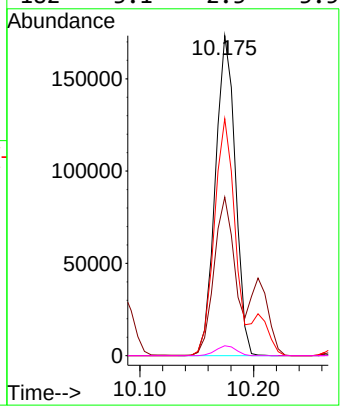


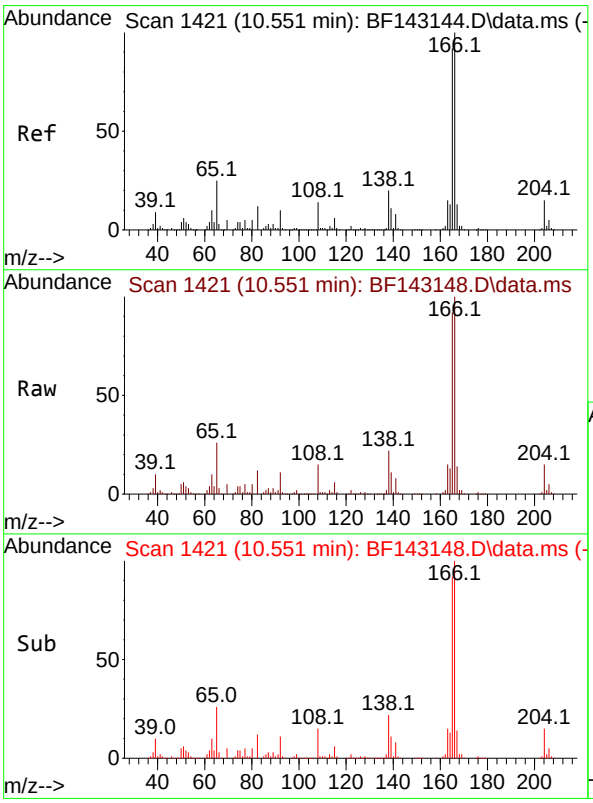
#57
2,4-Dinitrotoluene
Concen: 44.440 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:165 Resp: 212369

Ion	Ratio	Lower	Upper
165	100		
63	49.5	41.0	61.4
89	74.0	61.1	91.7
182	3.1	2.3	3.5

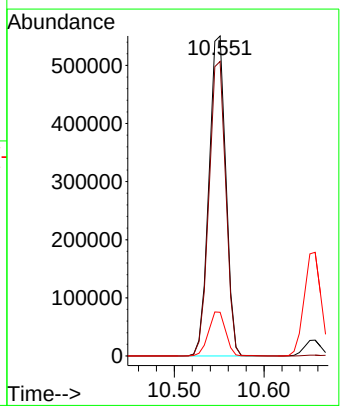


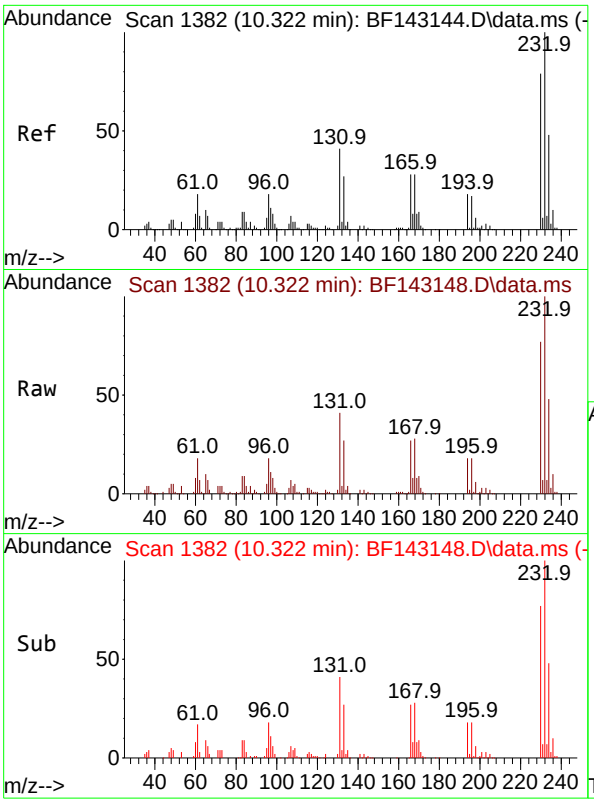


#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:166 Resp: 717816

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.7	10.6	16.0



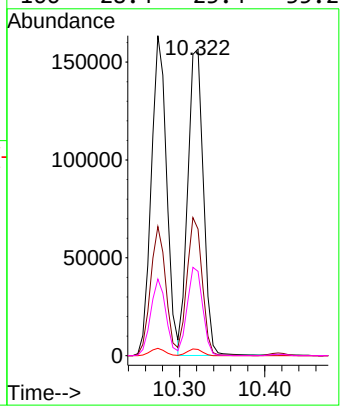


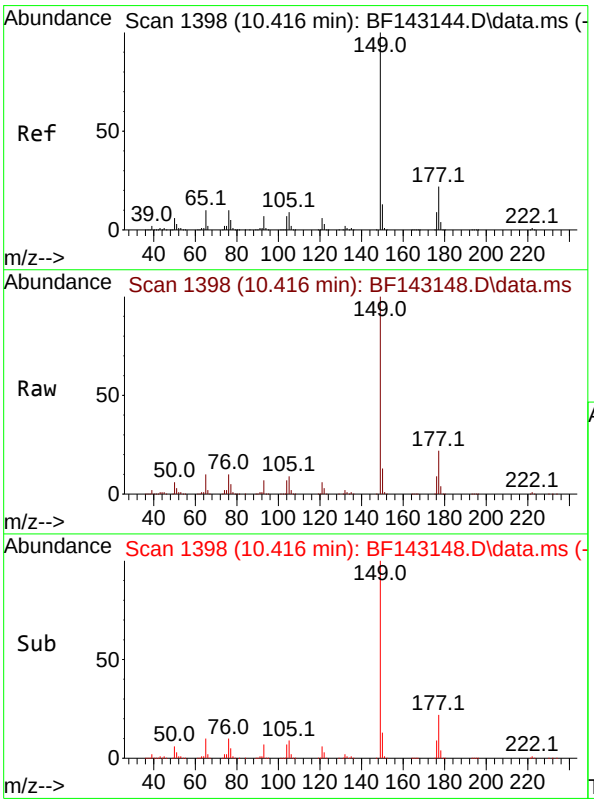
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.743 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:232 Resp: 198530

Ion	Ratio	Lower	Upper
232	100		
131	43.9	35.3	52.9
130	2.1	1.7	2.5
166	28.4	23.4	35.2

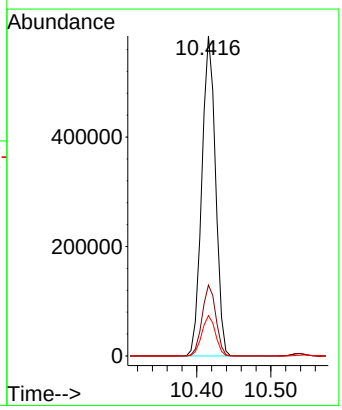


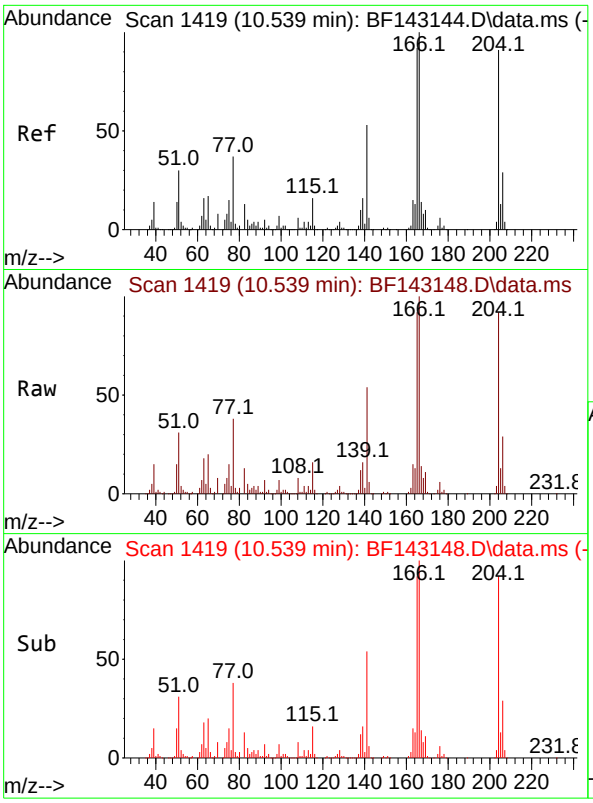


#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 753774

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.6	10.2	15.2



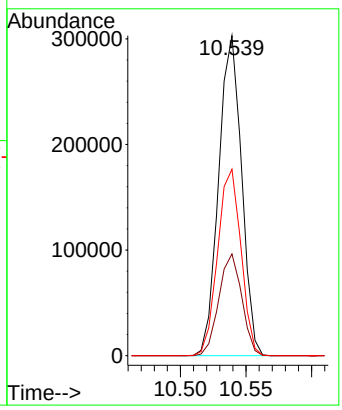


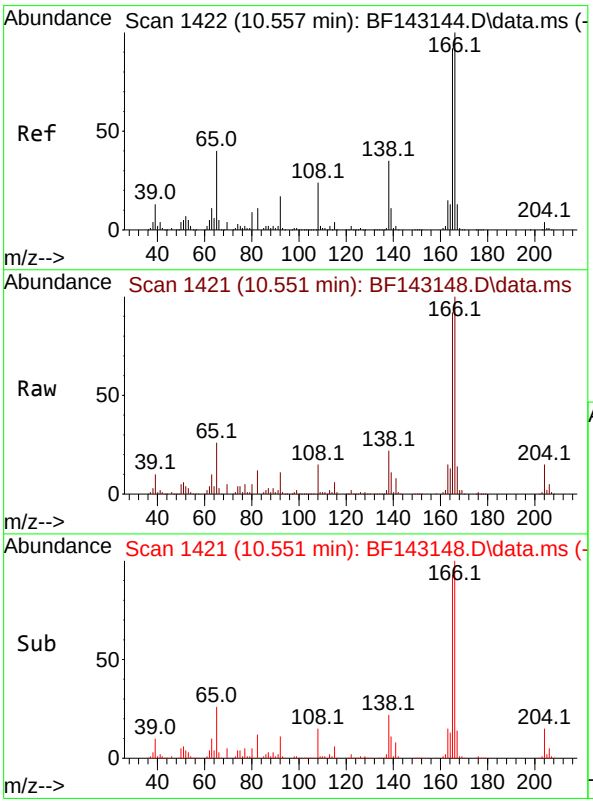
#61
4-Chlorophenyl-phenylether
Concen: 40.377 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:204 Resp: 367981

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.8
141	58.3	47.0	70.4

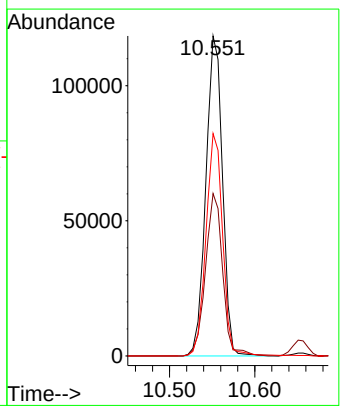


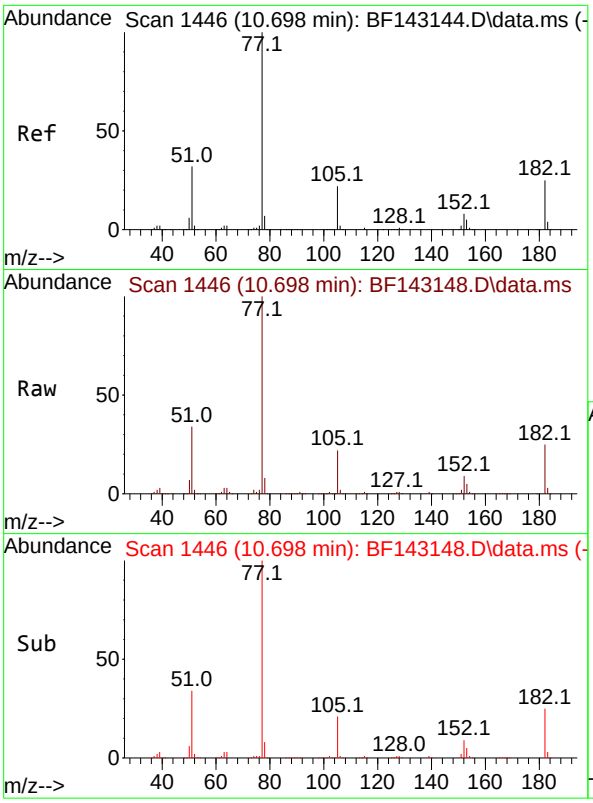


#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:138 Resp: 160193

Ion	Ratio	Lower	Upper
138	100		
92	50.7	29.3	69.3
108	69.5	48.3	88.3



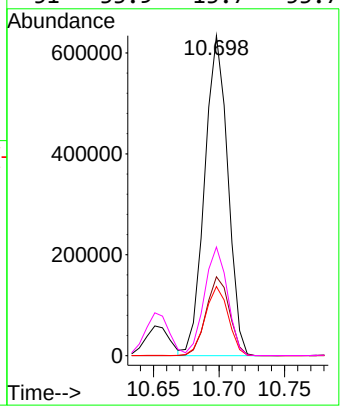


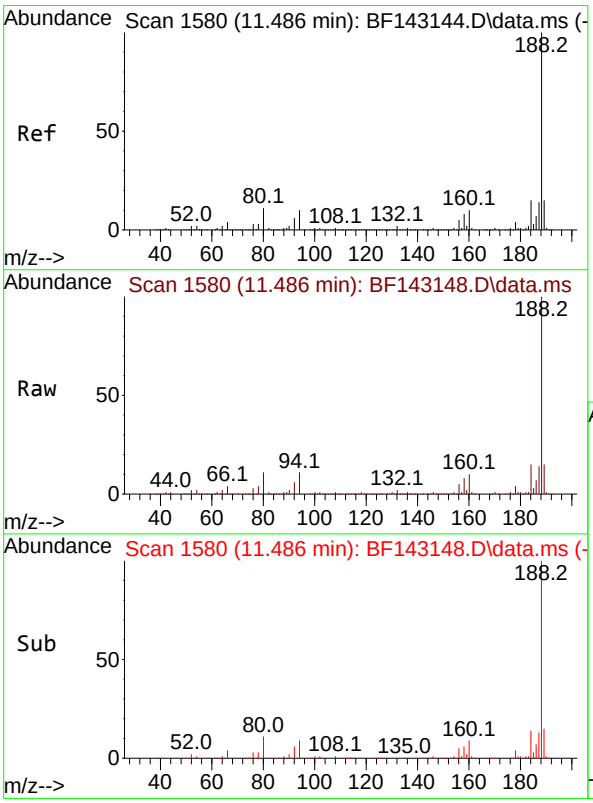
#63
Azobenzene
Concen: 40.414 ng
RT: 10.698 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion: 77 Resp: 779524

Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.6	1.4	41.4
51	33.9	13.7	53.7

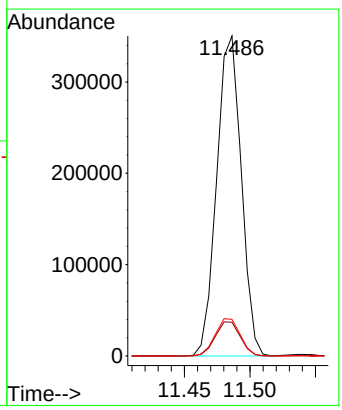


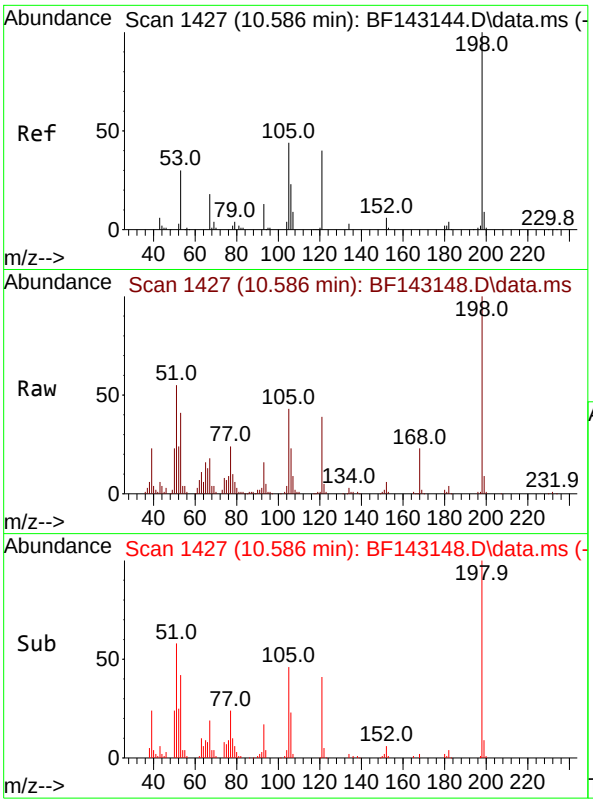


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:188 Resp: 457098

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.4	9.0	13.6



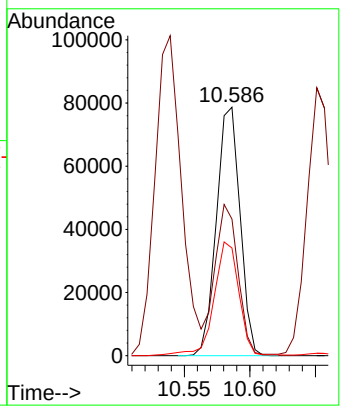


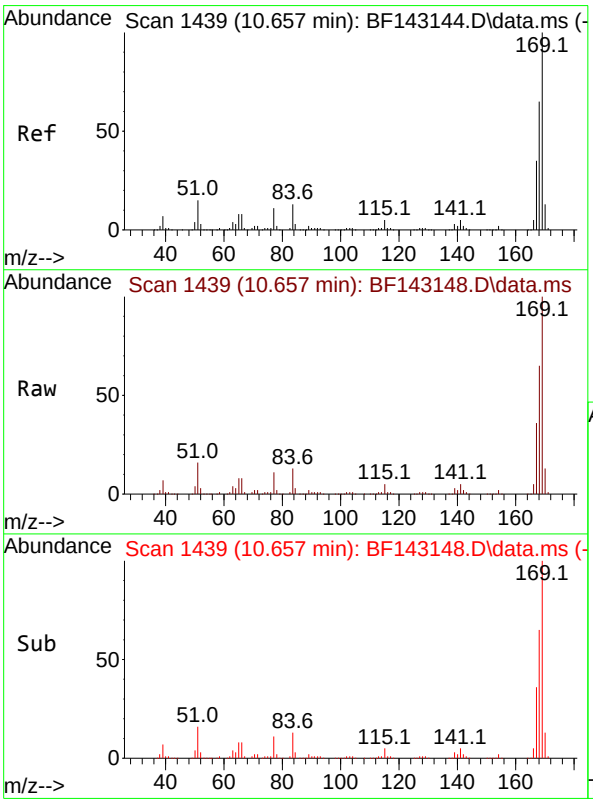
#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 10.586 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:198 Resp: 98462

Ion	Ratio	Lower	Upper
198	100		
51	55.0	37.2	77.2
105	43.3	24.8	64.8

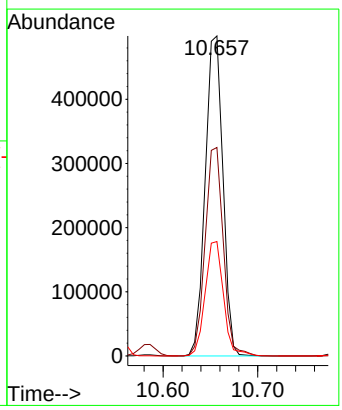


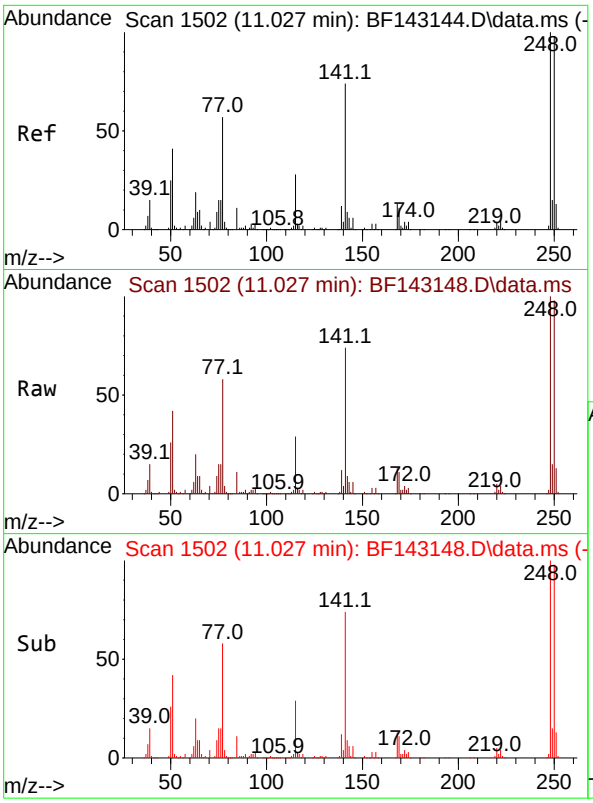


#66
n-Nitrosodiphenylamine
Concen: 40.250 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:169 Resp: 647855

Ion	Ratio	Lower	Upper
169	100		
168	65.2	52.1	78.1
167	35.8	28.2	42.2



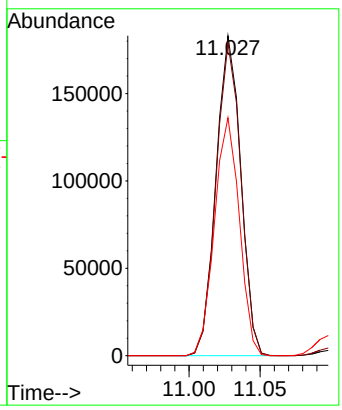


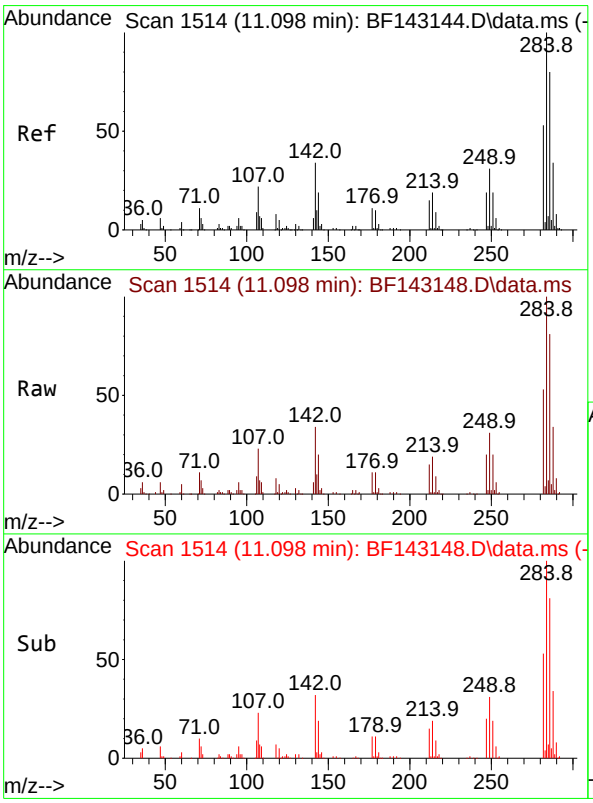
#67
4-Bromophenyl-phenylether
Concen: 40.828 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:248 Resp: 222405

Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.3	117.5
141	74.3	59.2	88.8

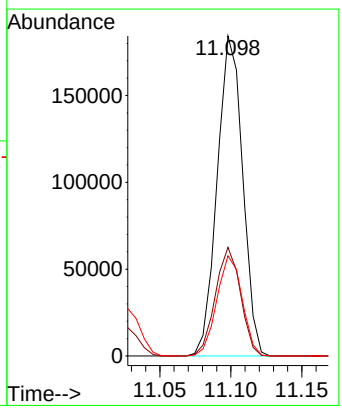


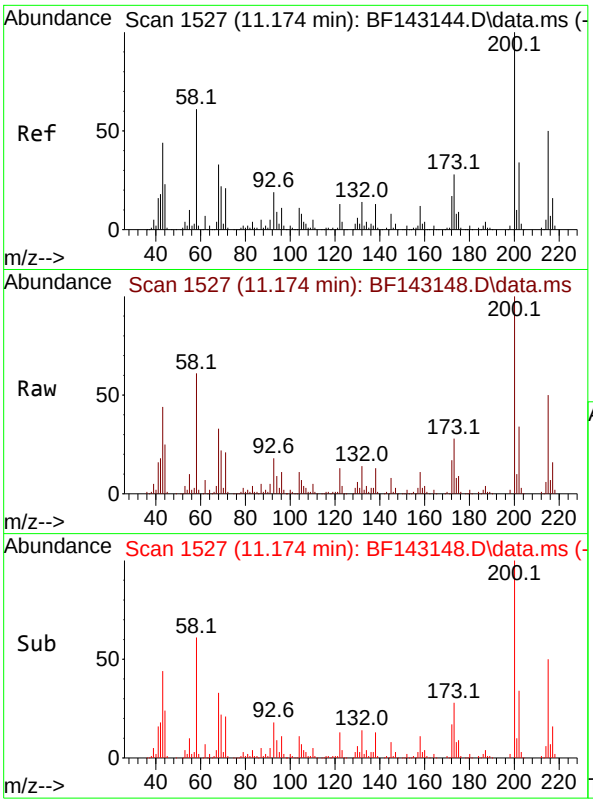


#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:284 Resp: 229272

Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.0	40.6
249	31.3	25.0	37.6



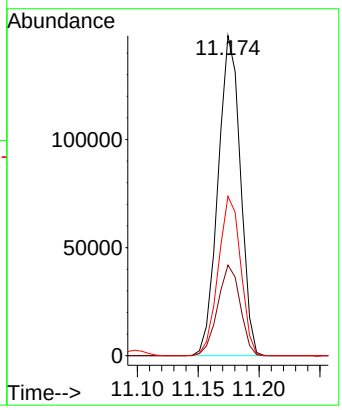


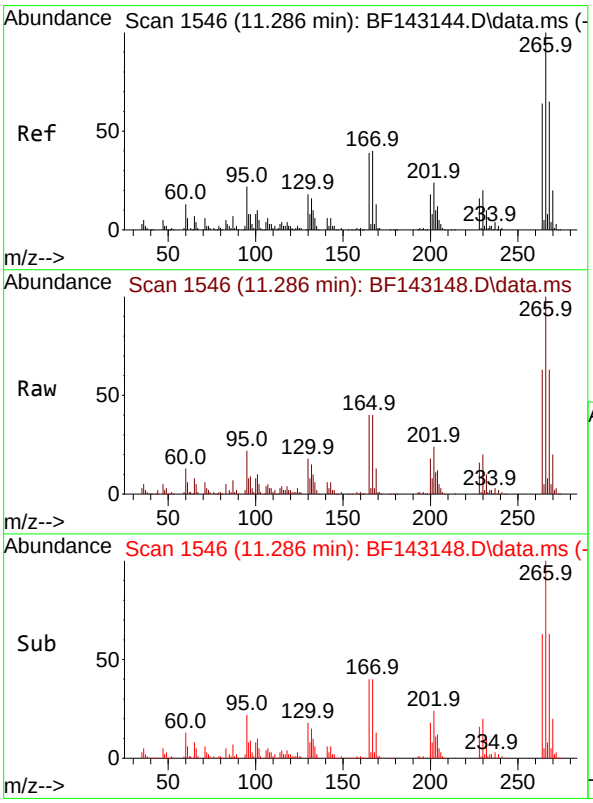
#69
Atrazine
Concen: 42.615 ng
RT: 11.174 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:200 Resp: 189104

Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.8	30.1	70.1

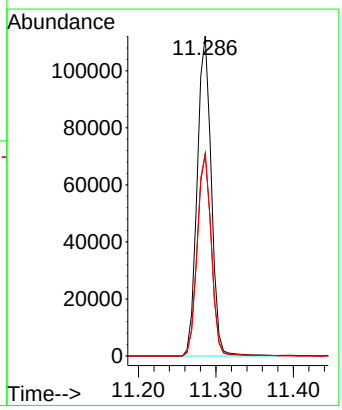


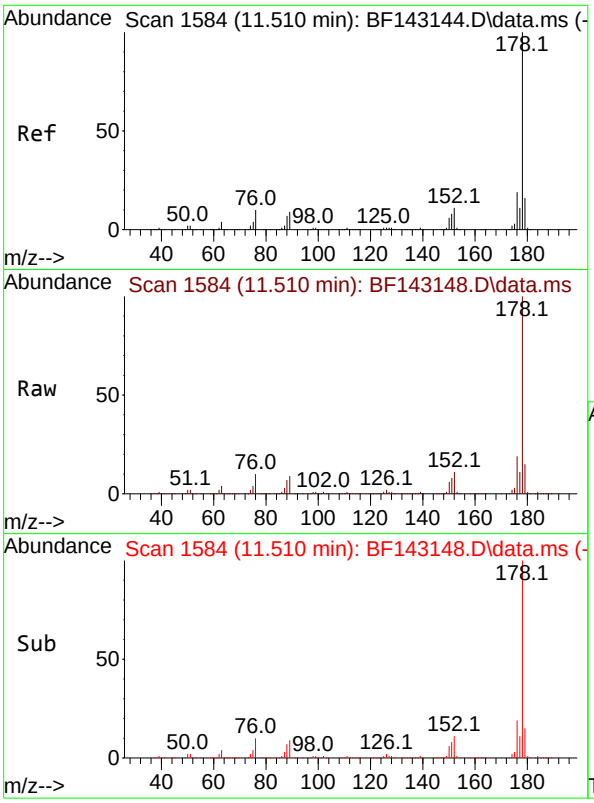


#70
Pentachlorophenol
Concen: 42.292 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:266 Resp: 141608

Ion	Ratio	Lower	Upper
266	100		
268	63.1	51.9	77.9
264	63.3	51.0	76.6



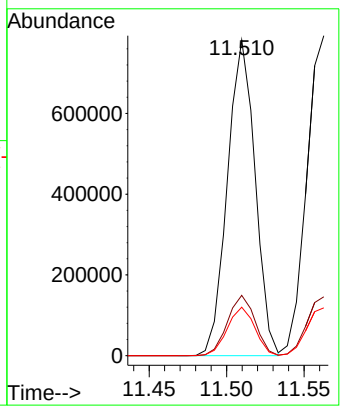


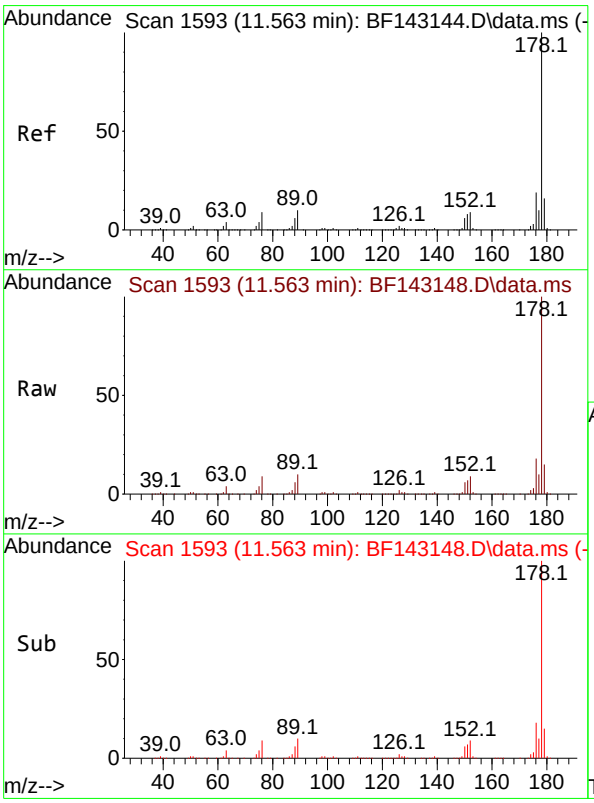
#71
Phenanthrene
Concen: 40.026 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:178 Resp: 971448

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.5	18.7

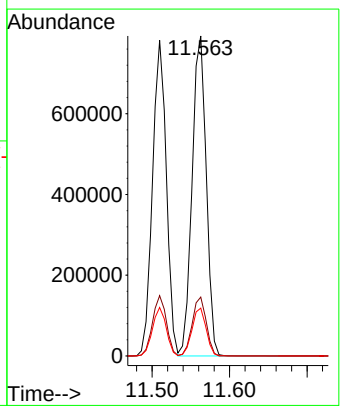


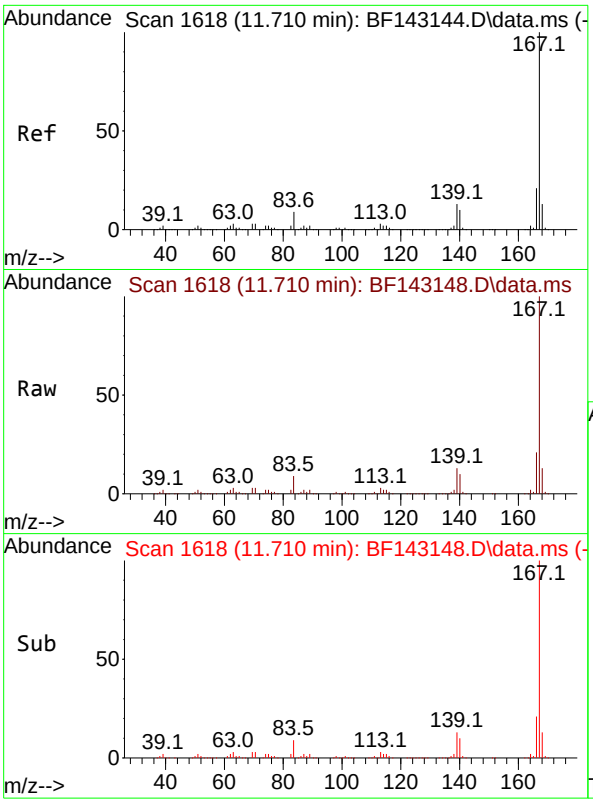


#72
Anthracene
Concen: 40.557 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:178 Resp: 1003925

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.0	12.5	18.7



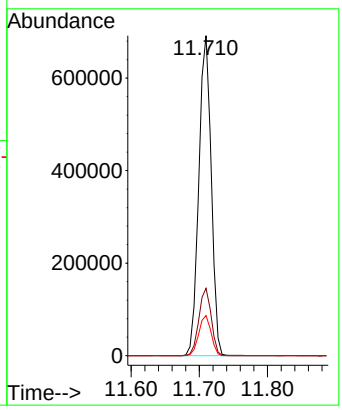


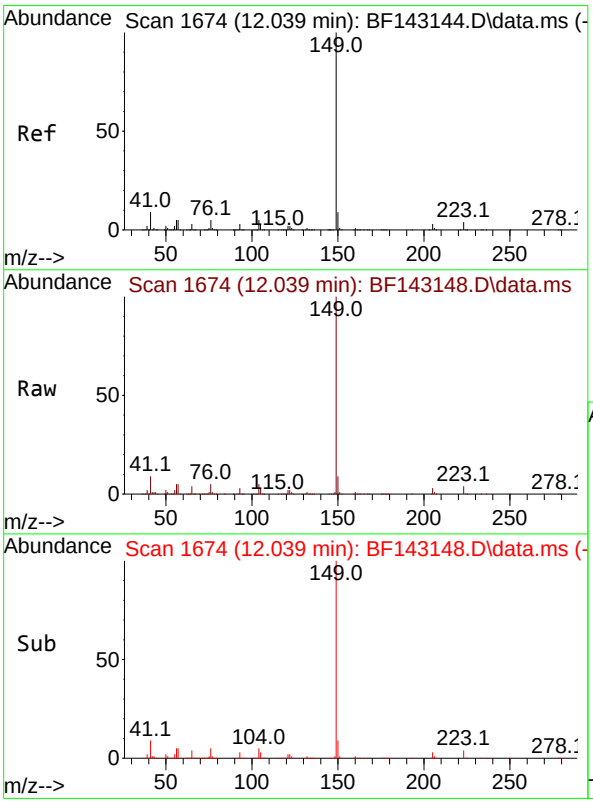
#73
Carbazole
Concen: 40.476 ng
RT: 11.710 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:167 Resp: 874867

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.5	10.0	15.0

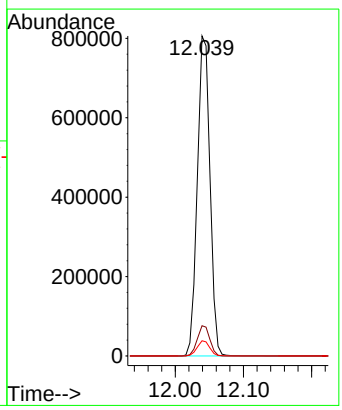


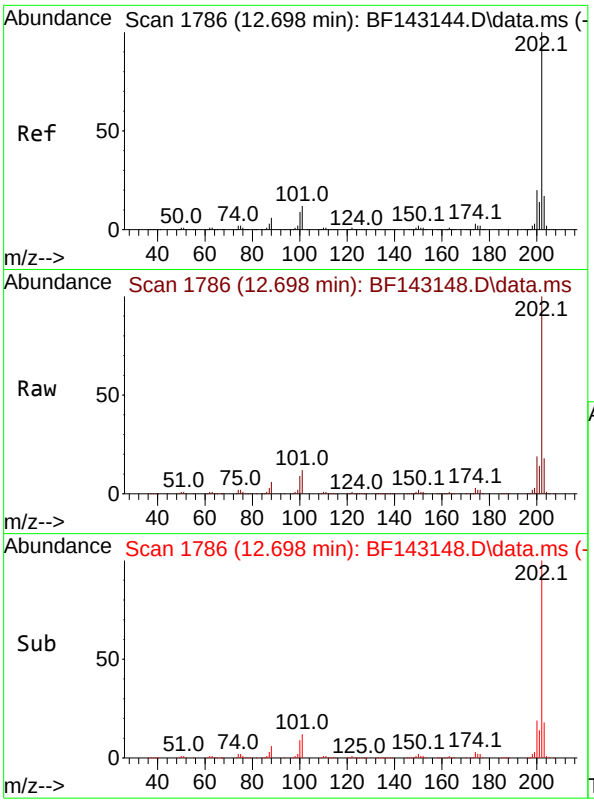


#74
Di-n-butylphthalate
Concen: 42.330 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 1035244

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.7	3.8	5.8



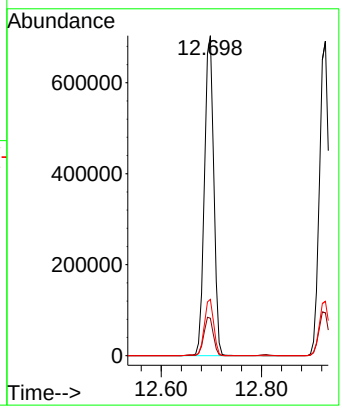


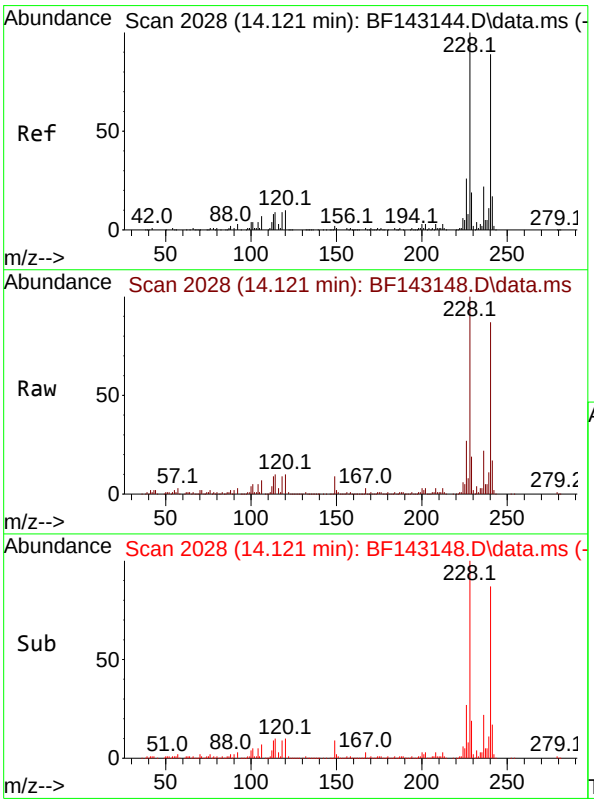
#75
Fluoranthene
Concen: 40.836 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:202 Resp: 909717

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.6	0.0	37.4

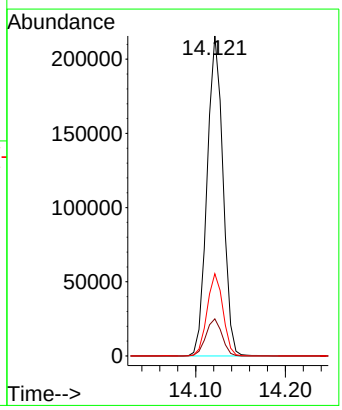


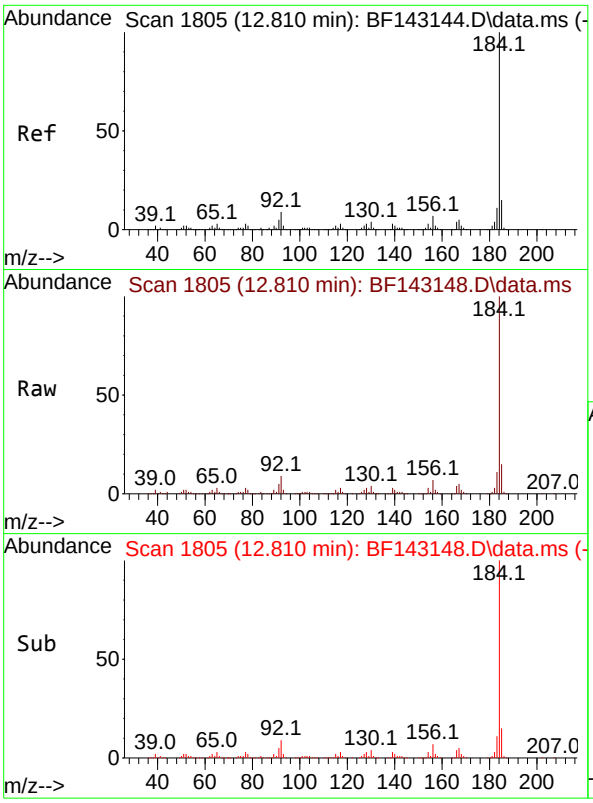


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:240 Resp: 265008

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.4	14.2
236	25.7	20.2	30.4



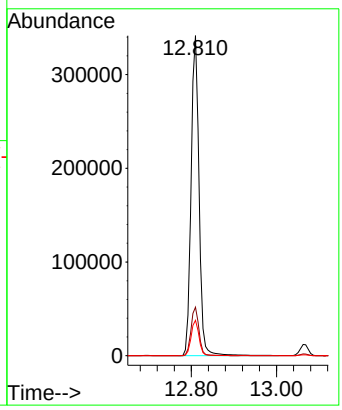


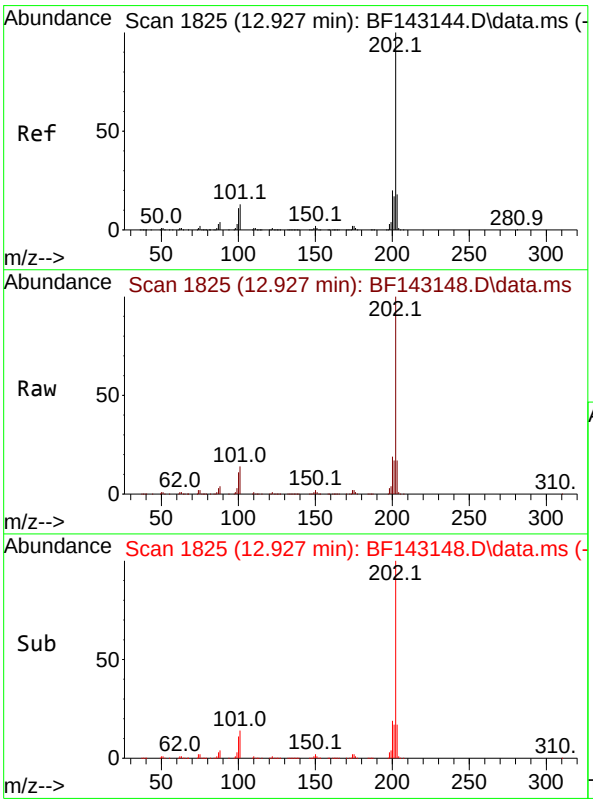
#77
Benzidine
Concen: 43.239 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:184 Resp: 441470

Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.4
183	11.1	9.0	13.4

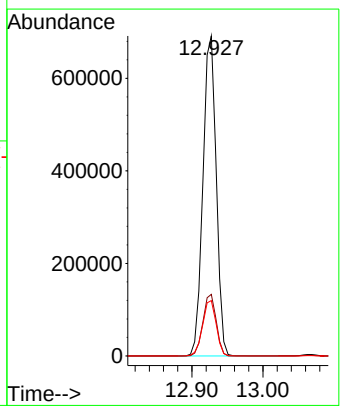


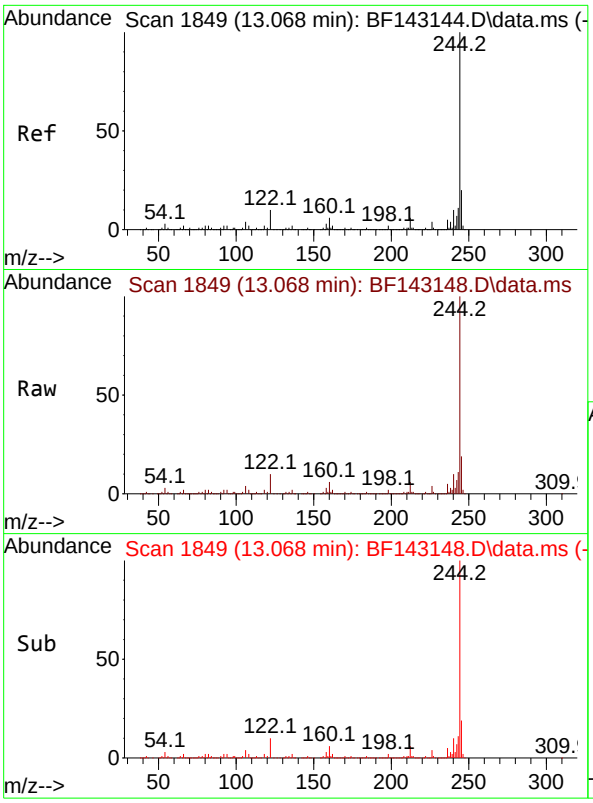


#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:202 Resp: 902771

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.7	23.5
203	17.3	14.2	21.2



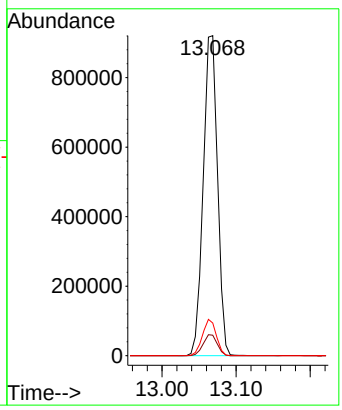


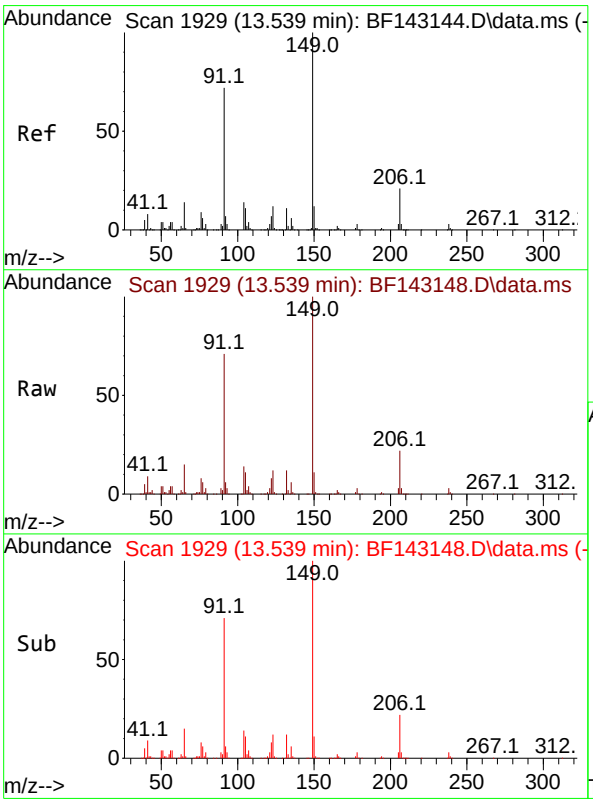
#79
Terphenyl-d14
Concen: 69.333 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:244 Resp: 1234701

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.2	8.2	12.2

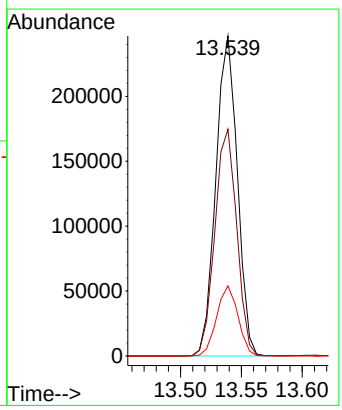


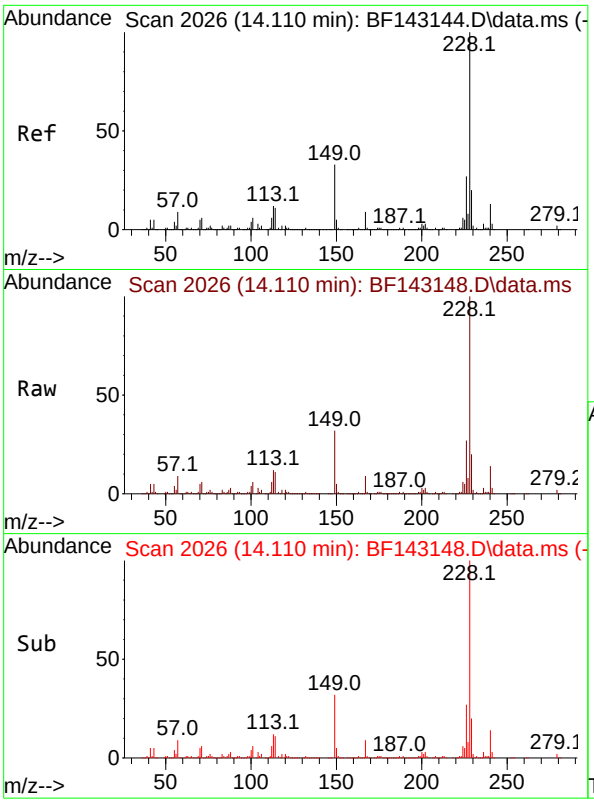


#80
Butylbenzylphthalate
Concen: 43.827 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 303528

Ion	Ratio	Lower	Upper
149	100		
91	70.9	57.9	86.9
206	21.9	17.0	25.4



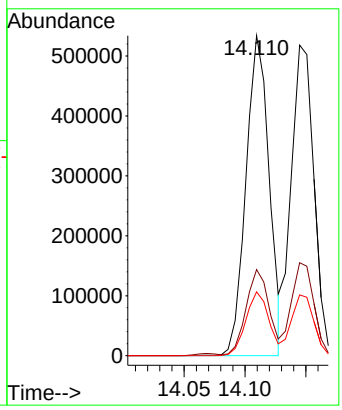


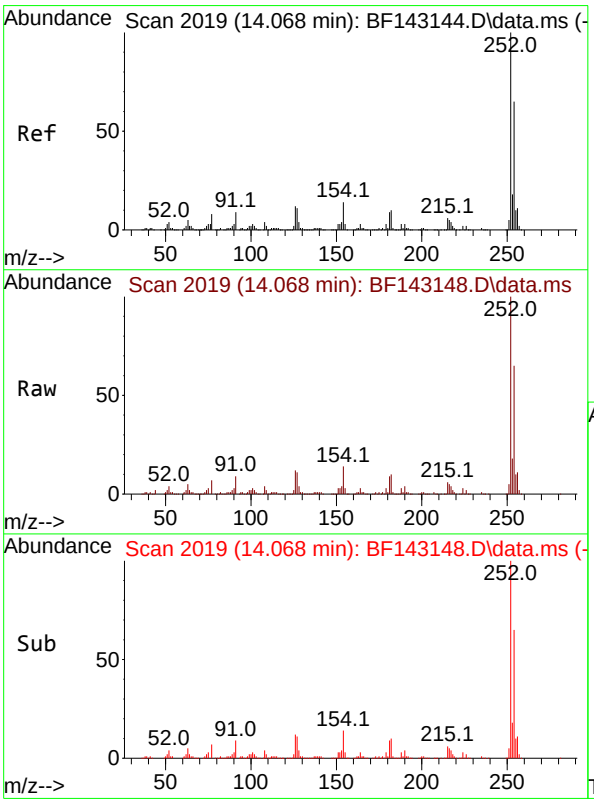
#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 14.110 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:228 Resp: 708799

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	20.0	15.8	23.6

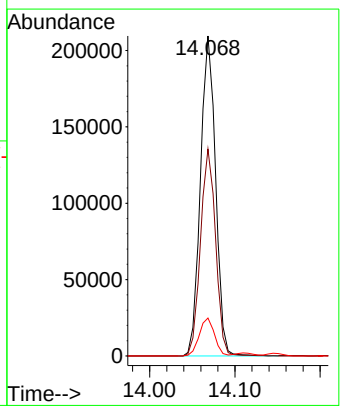


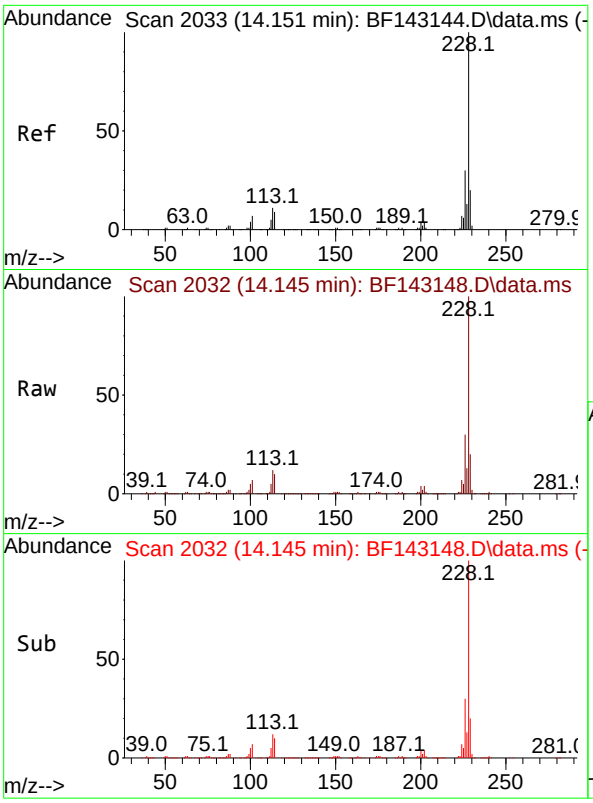


#82
3,3'-Dichlorobenzidine
Concen: 43.772 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 258837

Ion	Ratio	Lower	Upper
252	100		
254	64.6	51.7	77.5
126	11.9	9.4	14.0



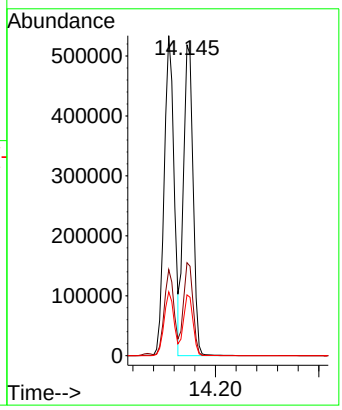


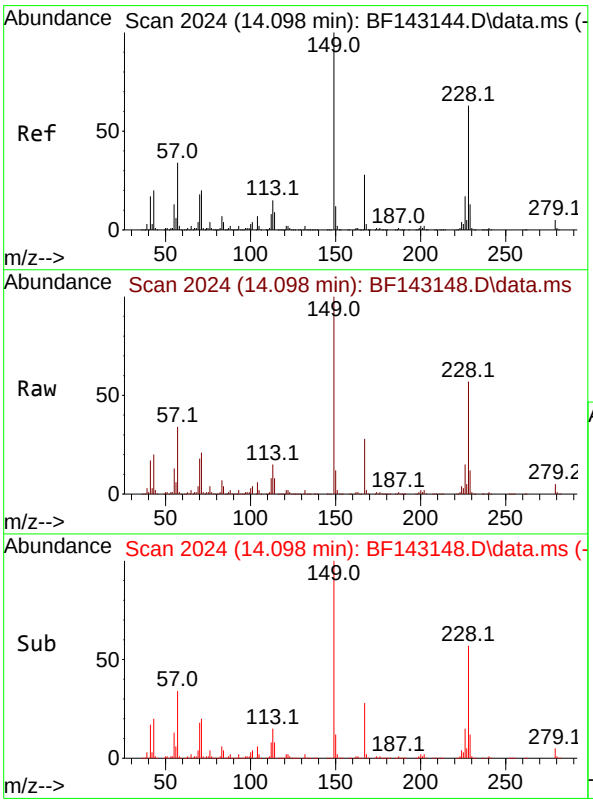
#83
Chrysene
Concen: 42.233 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:228 Resp: 673701

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.6	15.6	23.4

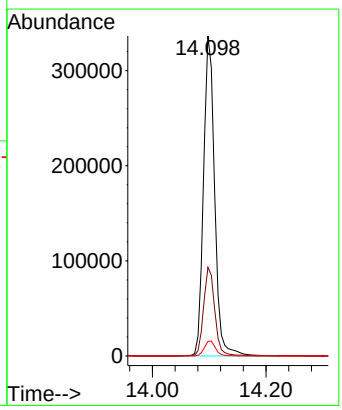


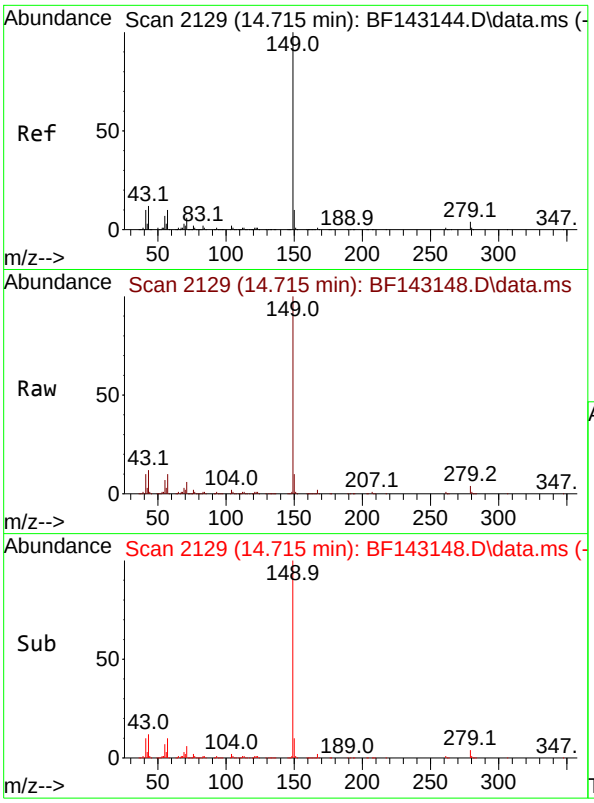


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.578 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:149 Resp: 456811

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.3	33.5
279	4.6	3.6	5.4



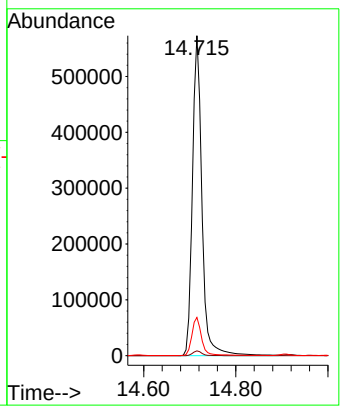


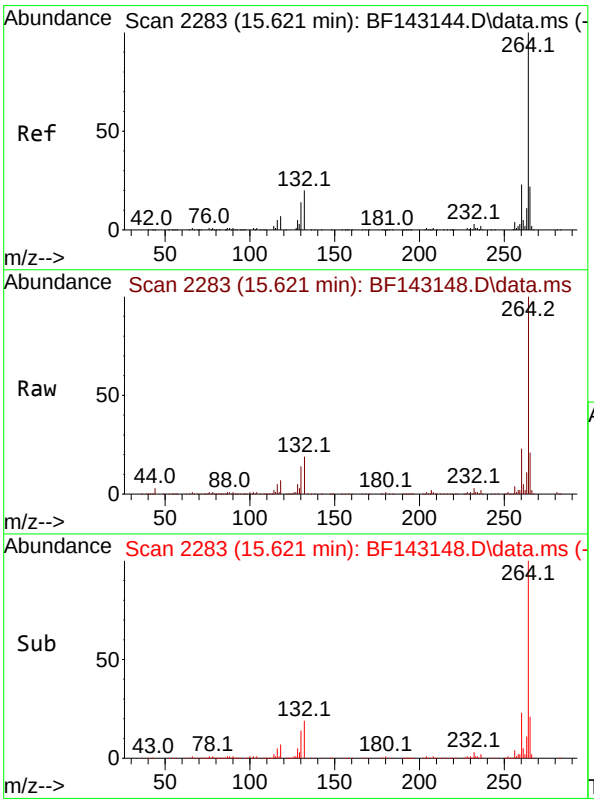
#85
Di-n-octyl phthalate
Concen: 43.077 ng
RT: 14.715 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:149 Resp: 818512

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.2	9.7	14.5

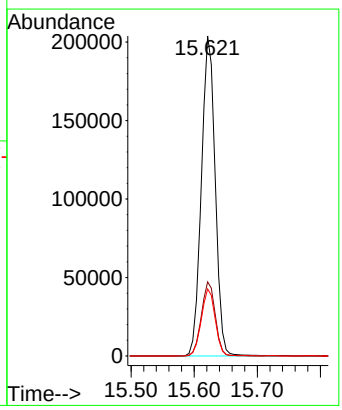


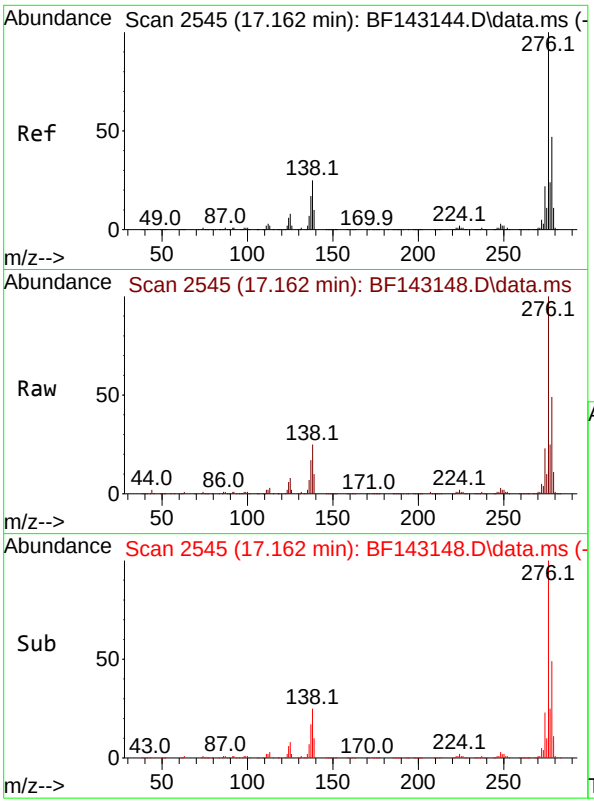


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:264 Resp: 310192

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	20.9	17.4	26.2



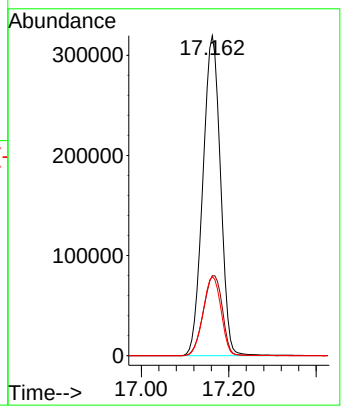


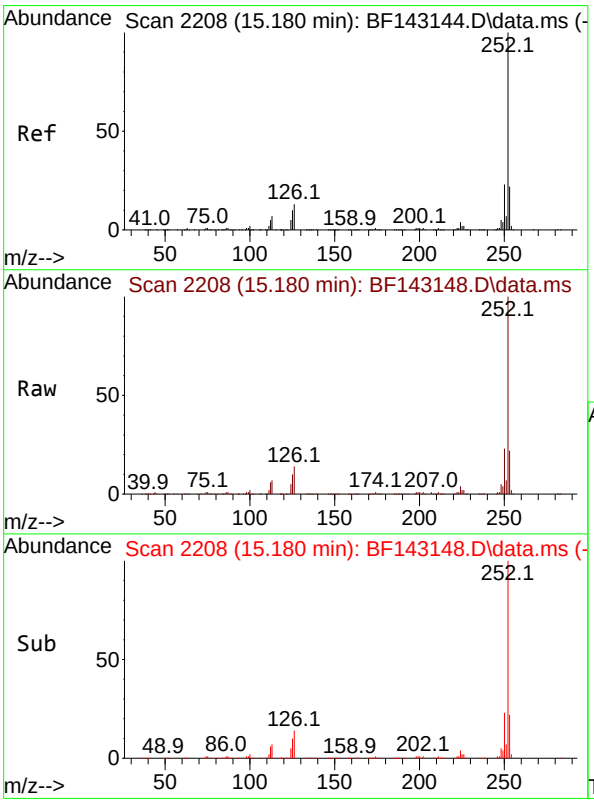
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.983 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:276 Resp: 896404

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.2	20.0	30.0

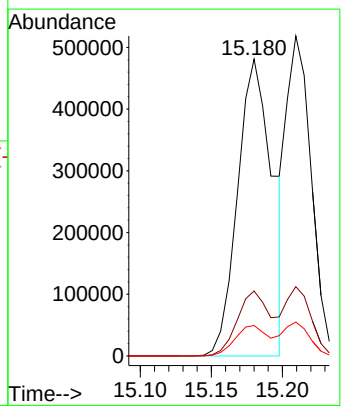


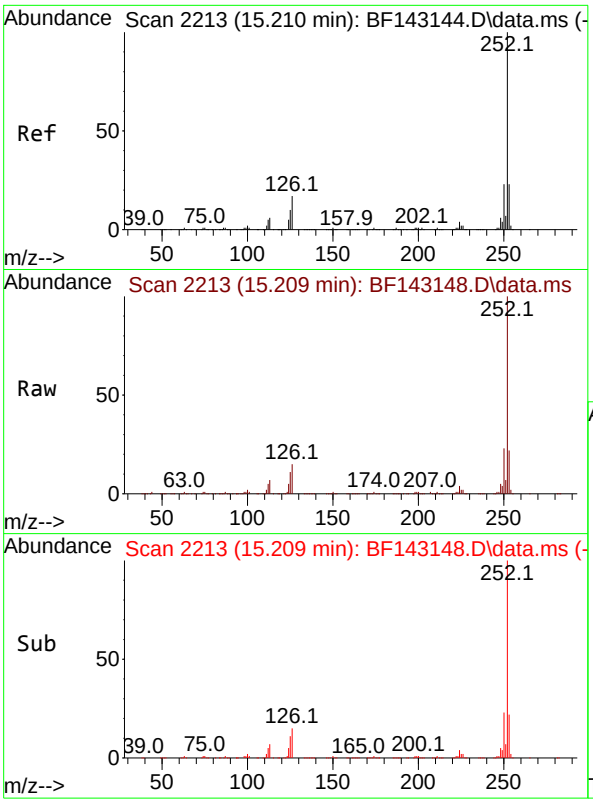


#88
Benzo(b)fluoranthene
Concen: 43.278 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 820119

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	10.3	8.0	12.0



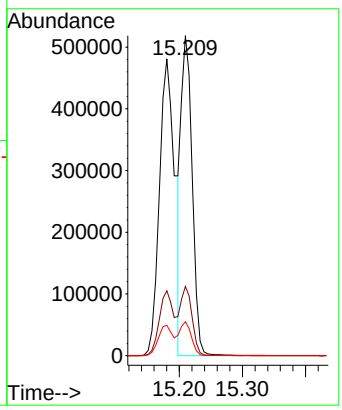


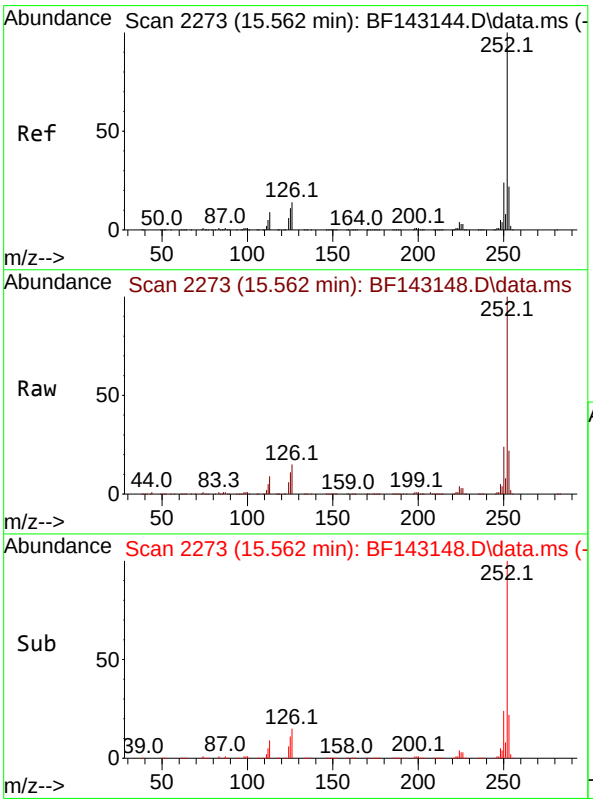
#89
Benzo(k)fluoranthene
Concen: 37.531 ng
RT: 15.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:252 Resp: 634642

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	8.1	12.1

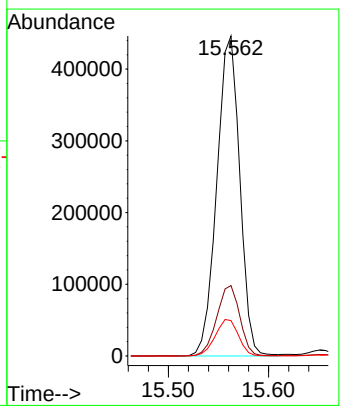


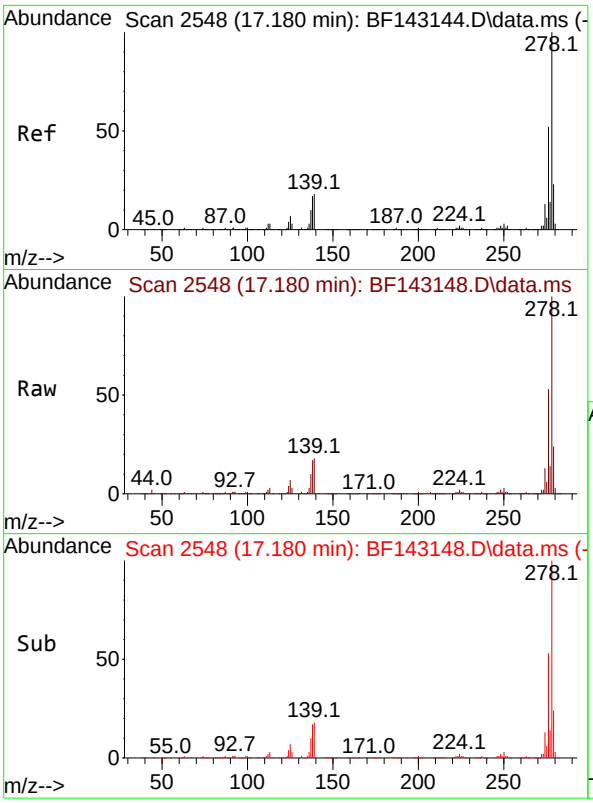


#90
Benzo(a)pyrene
Concen: 40.594 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:252 Resp: 708756

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.1	8.6	13.0



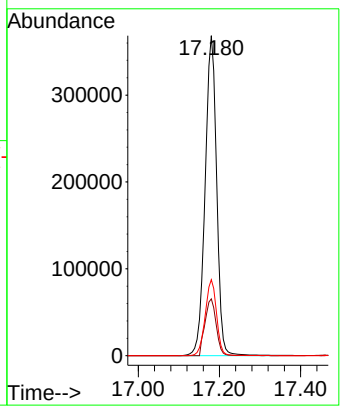


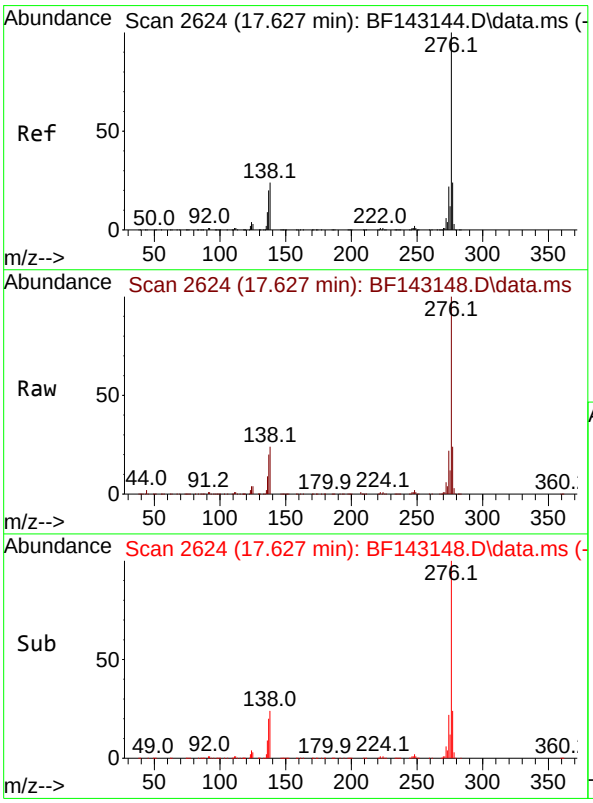
#91
Dibenzo(a,h)anthracene
Concen: 40.710 ng
RT: 17.180 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:278 Resp: 724758

Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.1	21.1
279	23.8	18.6	28.0

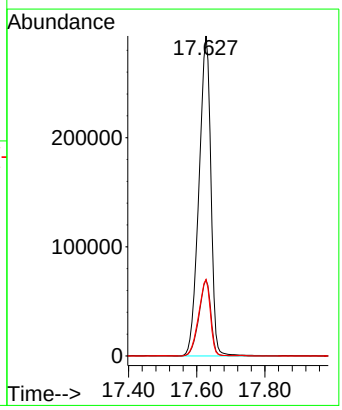




#92
Benzo(g,h,i)perylene
Concen: 41.394 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:276 Resp: 712864

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.1	28.7
138	23.9	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	138855	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	536902	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	269673	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	425499	20.000	ng		0.00
76) Chrysene-d12	14.121	240	257557	20.000	ng		0.00
86) Perylene-d12	15.621	264	290483	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.587	112	683377	77.881	ng		0.00
7) Phenol-d6	6.581	99	864647	78.288	ng		0.00
23) Nitrobenzene-d5	7.522	82	895287	83.120	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	221500	79.508	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1518879	77.029	ng		0.00
79) Terphenyl-d14	13.069	244	1271733	73.478	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.805	88	166244	40.040	ng		99
3) Pyridine	3.575	79	418492	38.834	ng		99
4) n-Nitrosodimethylamine	3.516	42	221018	39.723	ng		99
6) Aniline	6.622	93	607823	39.488	ng		100
8) 2-Chlorophenol	6.745	128	365543	39.743	ng		99
9) Benzaldehyde	6.510	77	363665	43.912	ng		97
10) Phenol	6.593	94	503953	41.885	ng		99
11) bis(2-Chloroethyl)ether	6.693	93	365030	39.624	ng		100
12) 1,3-Dichlorobenzene	6.904	146	390492	39.082	ng		99
13) 1,4-Dichlorobenzene	6.981	146	392653	39.023	ng		99
14) 1,2-Dichlorobenzene	7.134	146	377188	39.413	ng		99
15) Benzyl Alcohol	7.098	79	334056	39.613	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	678356	39.695	ng		99
17) 2-Methylphenol	7.204	107	303796	39.283	ng		99
18) Hexachloroethane	7.481	117	141080	40.502	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	273232	38.561	ng		98
20) 3+4-Methylphenols	7.357	107	381861	40.698	ng		95
22) Acetophenone	7.369	105	487279	38.334	ng	#	97
24) Nitrobenzene	7.540	77	399661	39.799	ng		99
25) Isophorone	7.781	82	735124	38.662	ng		99
26) 2-Nitrophenol	7.857	139	187422	43.005	ng		99
27) 2,4-Dimethylphenol	7.887	122	345701	38.914	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	442167	38.785	ng		99
29) 2,4-Dichlorophenol	8.092	162	293442	39.168	ng		98
30) 1,2,4-Trichlorobenzene	8.187	180	314604	38.870	ng		100
31) Naphthalene	8.269	128	1028140	38.883	ng		100
32) Benzoic acid	7.981	122	185065	38.171	ng		99
33) 4-Chloroaniline	8.304	127	412017	38.161	ng		99
34) Hexachlorobutadiene	8.387	225	195484	39.537	ng		99
35) Caprolactam	8.669	113	90080	39.790	ng		98
36) 4-Chloro-3-methylphenol	8.781	107	314299	38.598	ng		97
37) 2-Methylnaphthalene	8.957	142	619310	38.490	ng		100
38) 1-Methylnaphthalene	9.057	142	644847	38.919	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	304551	39.116	ng		100
41) Hexachlorocyclopentadiene	9.116	237	206865	40.834	ng		99
43) 2,4,6-Trichlorophenol	9.228	196	209902	38.954	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.263	196	219957	40.808	ng		98
46) 1,1'-Biphenyl	9.422	154	831115	39.502	ng		99
47) 2-Chloronaphthalene	9.445	162	606685	38.970	ng		100
48) 2-Nitroaniline	9.534	65	205784	42.151	ng		99
49) Acenaphthylene	9.863	152	1021363	39.148	ng		100
50) Dimethylphthalate	9.716	163	691652	39.347	ng		100
51) 2,6-Dinitrotoluene	9.775	165	150428	42.067	ng		97
52) Acenaphthene	10.033	154	605034	39.237	ng		98
53) 3-Nitroaniline	9.939	138	167420	40.028	ng		100
54) 2,4-Dinitrophenol	10.039	184	58866	39.960	ng	#	1
55) Dibenzofuran	10.204	168	889222	38.841	ng		99
56) 4-Nitrophenol	10.086	139	125059	40.040	ng		99
57) 2,4-Dinitrotoluene	10.175	165	188181	41.945	ng		97
58) Fluorene	10.545	166	653713	38.045	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.316	232	178038	39.875	ng		99
60) Diethylphthalate	10.416	149	679129	39.088	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	333465	38.975	ng		99
62) 4-Nitroaniline	10.551	138	141515	39.478	ng		100
63) Azobenzene	10.698	77	705944	38.986	ng		100
65) 4,6-Dinitro-2-methylph...	10.581	198	87846	40.354	ng		96
66) n-Nitrosodiphenylamine	10.651	169	592682	39.557	ng		99
67) 4-Bromophenyl-phenylether	11.028	248	198111	39.069	ng		99
68) Hexachlorobenzene	11.098	284	209203	39.472	ng		99
69) Atrazine	11.175	200	166380	40.279	ng		99
70) Pentachlorophenol	11.286	266	128754	41.309	ng		98
71) Phenanthrene	11.510	178	882612	39.066	ng		99
72) Anthracene	11.563	178	896290	38.898	ng		100
73) Carbazole	11.710	167	787128	39.121	ng		100
74) Di-n-butylphthalate	12.039	149	922904	40.539	ng		100
75) Fluoranthene	12.698	202	827620	39.910	ng		100
77) Benzidine	12.810	184	378753	38.169	ng		100
78) Pyrene	12.927	202	816607	37.150	ng		100
80) Butylbenzylphthalate	13.539	149	274194	40.736	ng		99
81) Benzo(a)anthracene	14.110	228	668691	38.779	ng		100
82) 3,3'-Dichlorobenzidine	14.069	252	227633	39.609	ng		100
83) Chrysene	14.145	228	631314	40.721	ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	422788	41.499	ng		100
85) Di-n-octyl phthalate	14.716	149	729985	39.529	ng		100
87) Indeno(1,2,3-cd)pyrene	17.157	276	814736	39.776	ng		100
88) Benzo(b)fluoranthene	15.180	252	677603	38.184	ng		100
89) Benzo(k)fluoranthene	15.210	252	653171	41.247	ng		100
90) Benzo(a)pyrene	15.557	252	654692	40.042	ng		99
91) Dibenzo(a,h)anthracene	17.180	278	665474	39.916	ng		99
92) Benzo(g,h,i)perylene	17.621	276	644277	39.950	ng		99

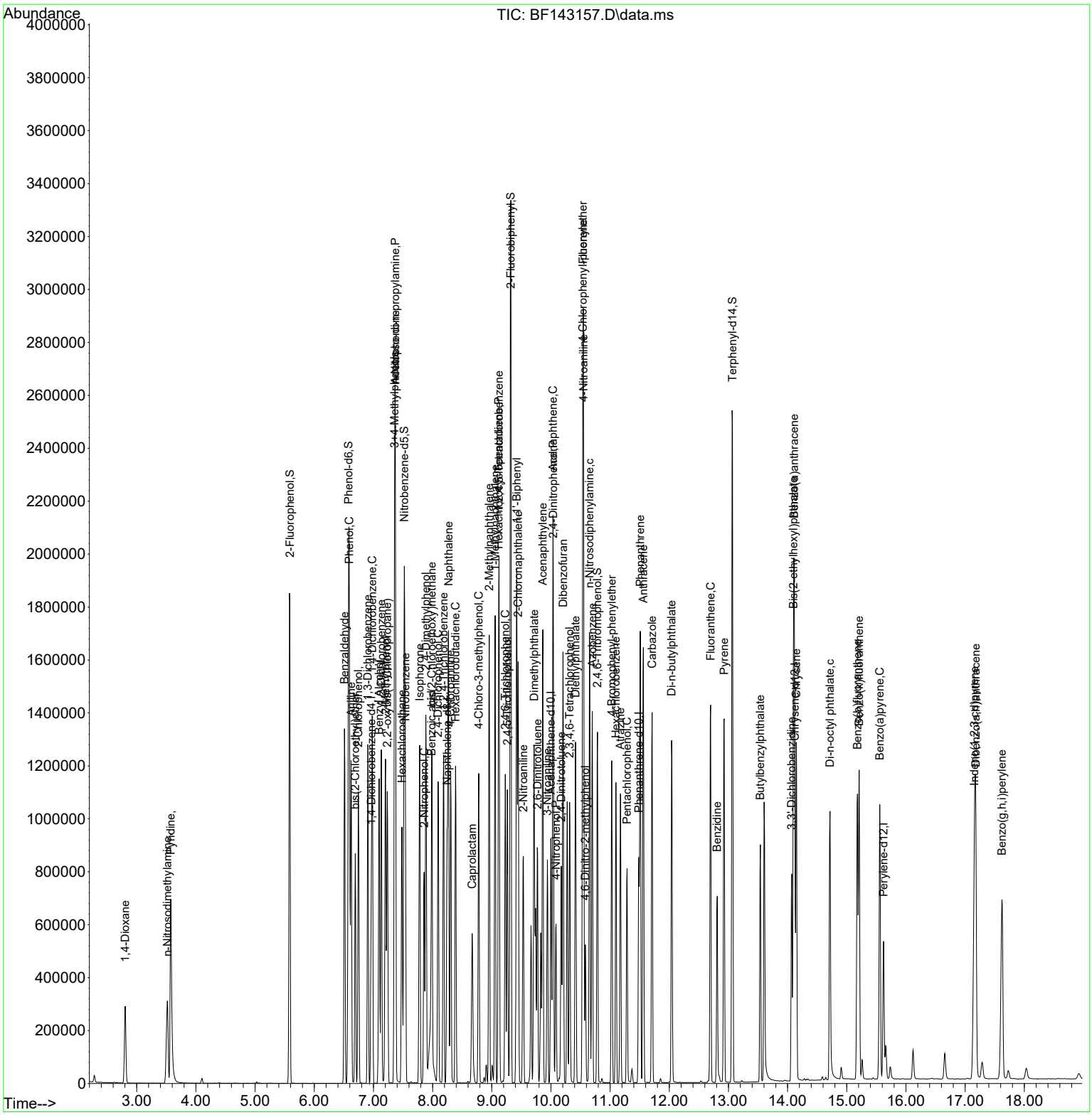
(#) = qualifier out of range (m) = manual integration (+) = signals summed

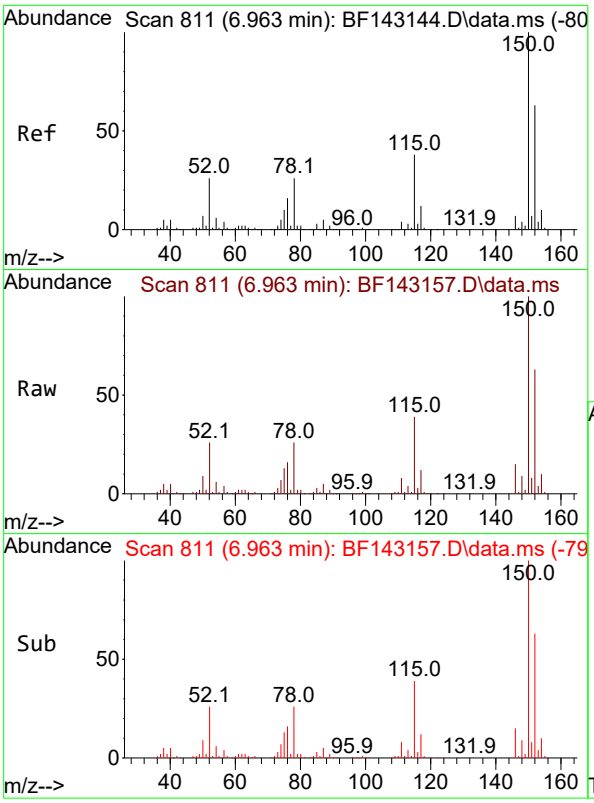
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143157.D
Acq On : 17 Jul 2025 19:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jul 18 01:04:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



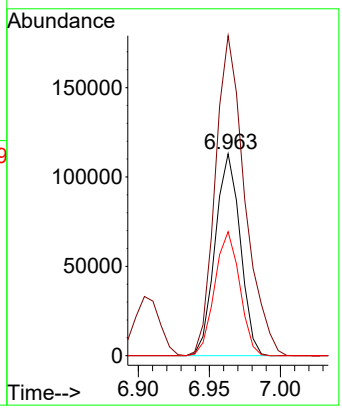


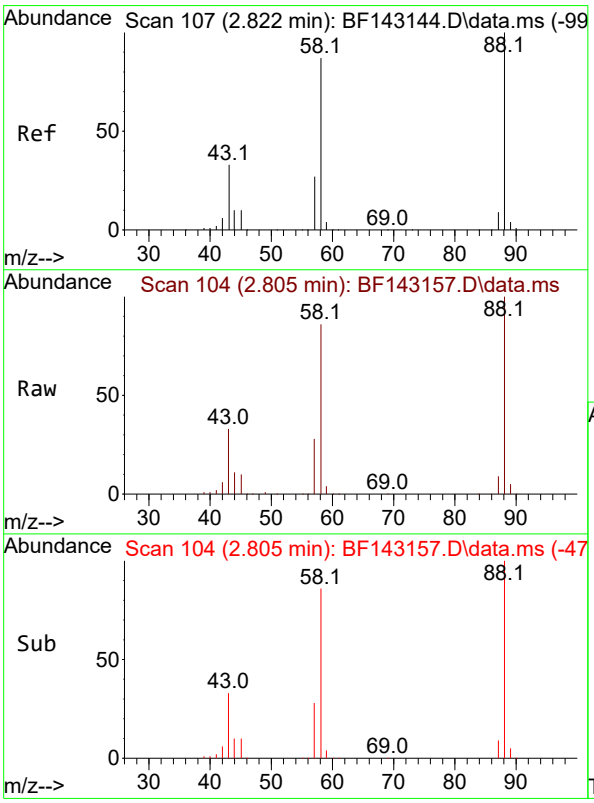
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 138855

Ion	Ratio	Lower	Upper
152	100		
150	158.5	128.2	192.4
115	61.4	47.9	71.9

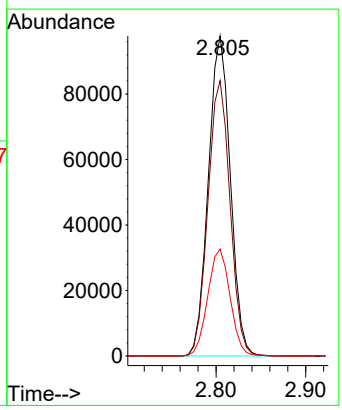


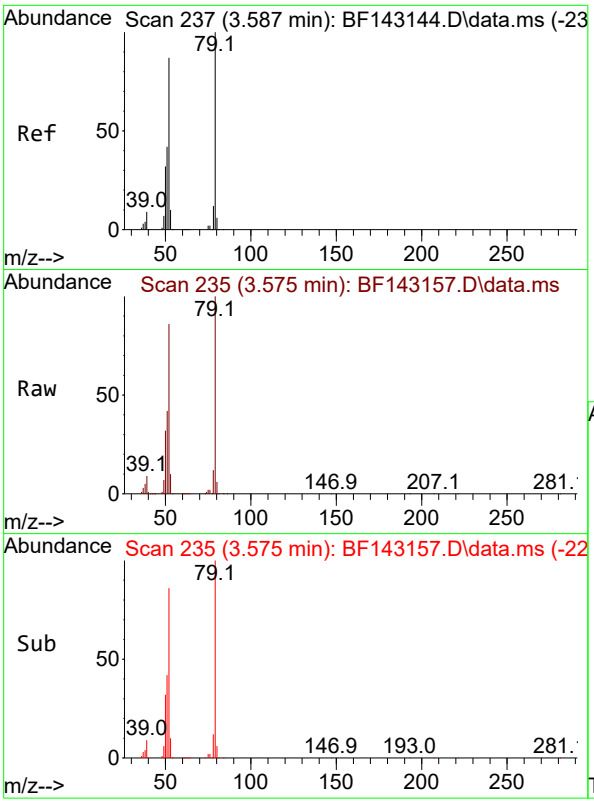


#2
1,4-Dioxane
Concen: 40.040 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 88 Resp: 166244

Ion	Ratio	Lower	Upper
88	100		
58	86.5	70.2	105.2
43	34.0	27.1	40.7



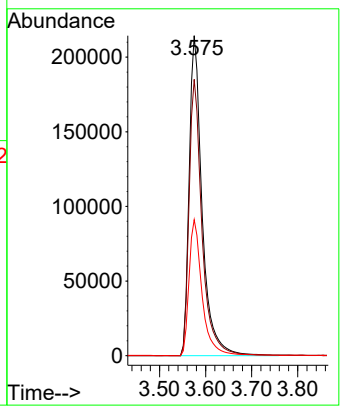


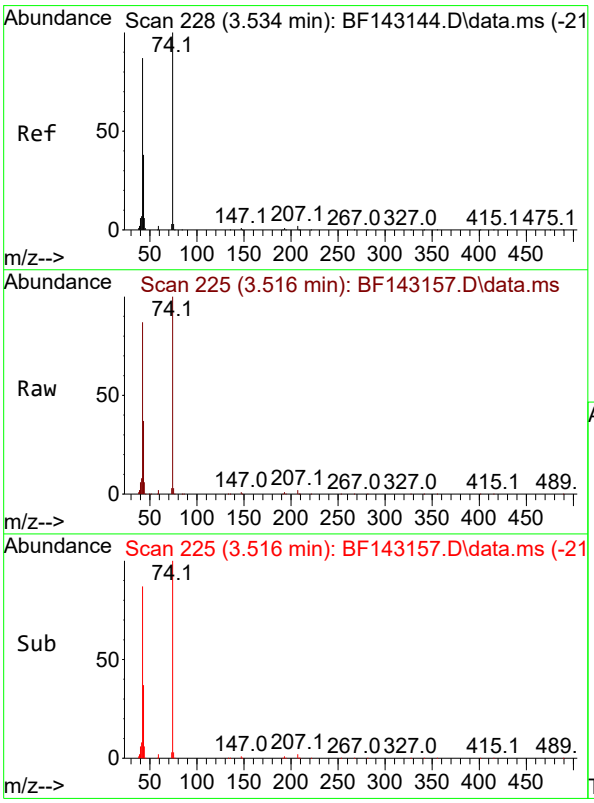
#3
Pyridine
Concen: 38.834 ng
RT: 3.575 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 418492

Ion	Ratio	Lower	Upper
79	100		
52	86.4	69.4	104.2
51	42.5	33.5	50.3

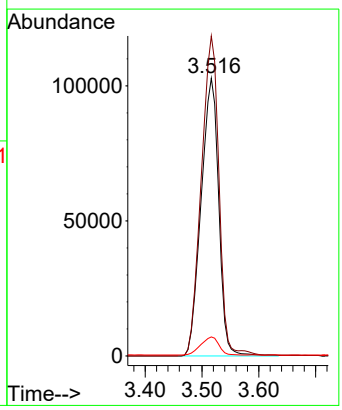


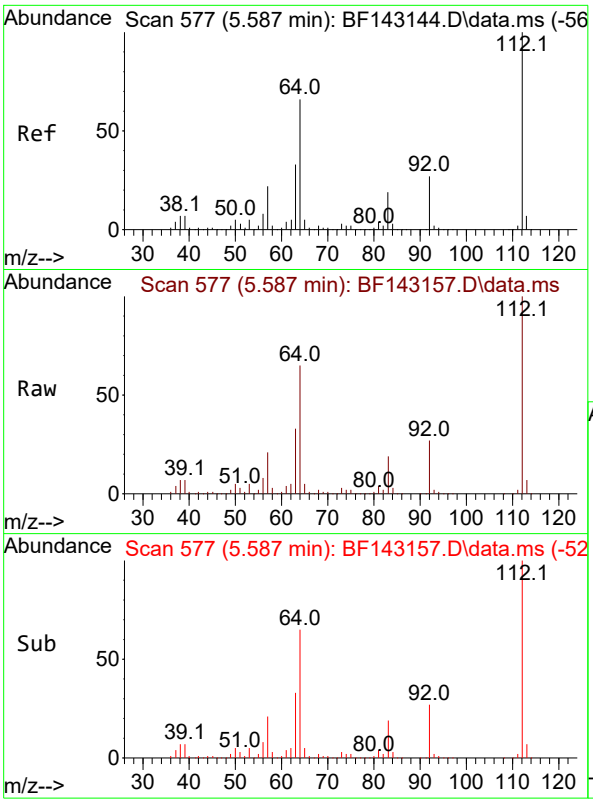


#4
n-Nitrosodimethylamine
Concen: 39.723 ng
RT: 3.516 min Scan# 225
Delta R.T. -0.018 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 42 Resp: 221018

Ion	Ratio	Lower	Upper
42	100		
74	115.2	91.7	137.5
44	6.9	5.6	8.4



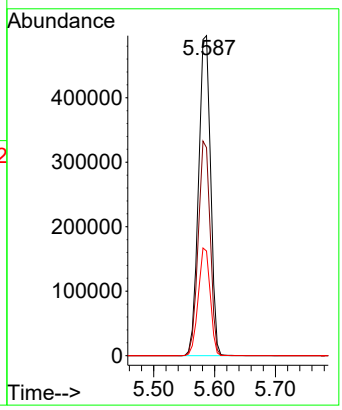


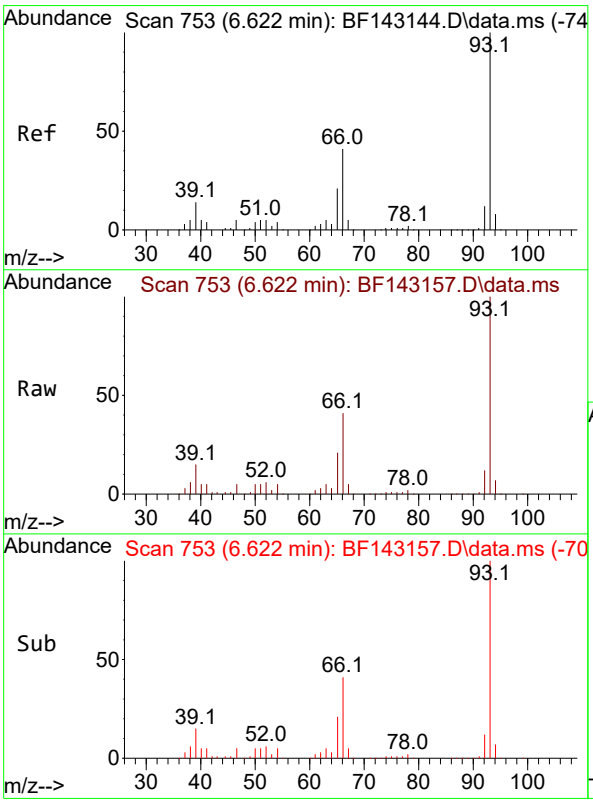
#5
2-Fluorophenol
Concen: 77.881 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 683377

Ion	Ratio	Lower	Upper
112	100		
64	65.0	53.1	79.7
63	32.7	26.6	40.0

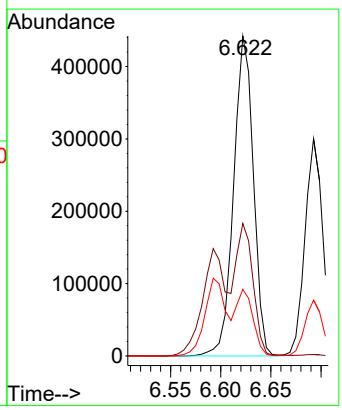


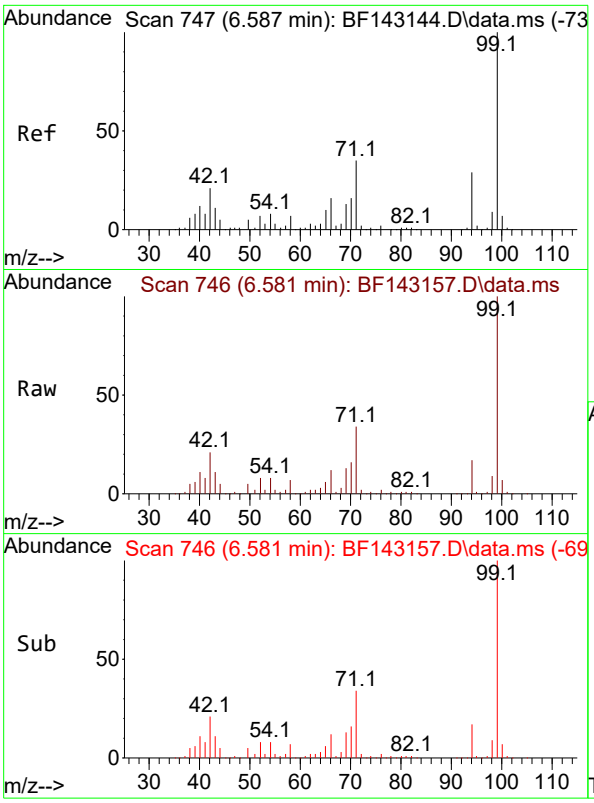


#6
Aniline
Concen: 39.488 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 93 Resp: 607823

Ion	Ratio	Lower	Upper
93	100		
66	41.4	33.2	49.8
65	20.8	16.9	25.3



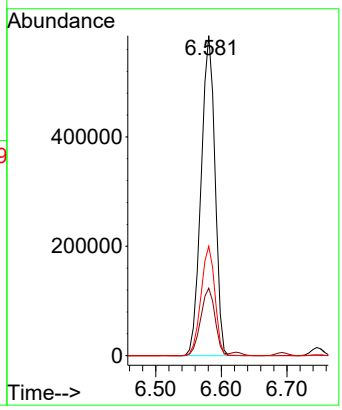


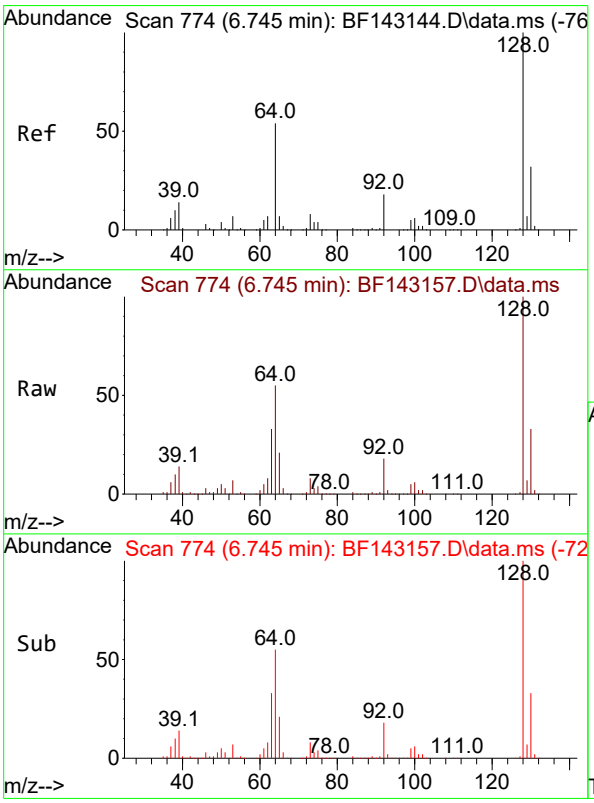
#7
Phenol-d6
Concen: 78.288 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 864647

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.2	27.7	41.5

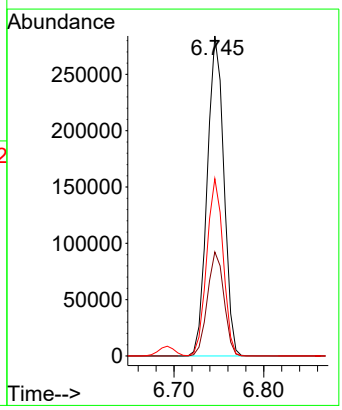


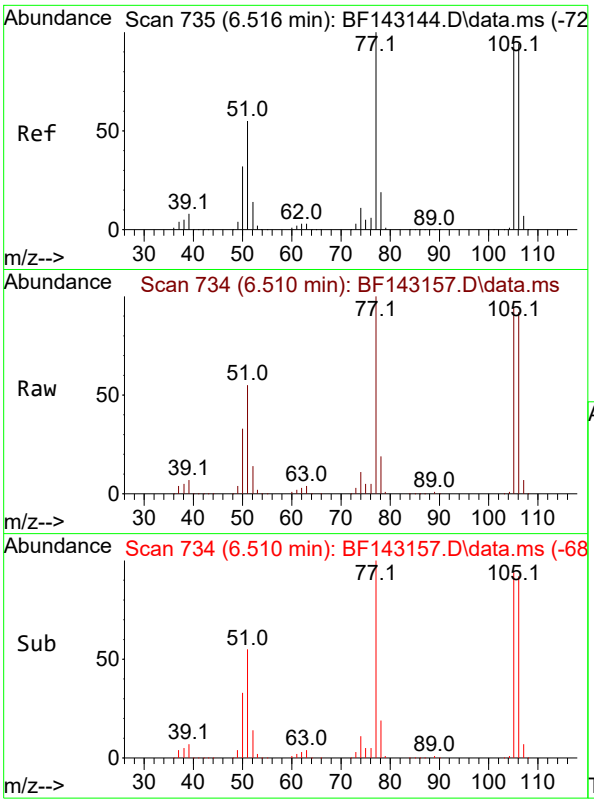


#8
2-Chlorophenol
Concen: 39.743 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:128 Resp: 365543

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.3	52.3
64	55.4	35.9	75.9



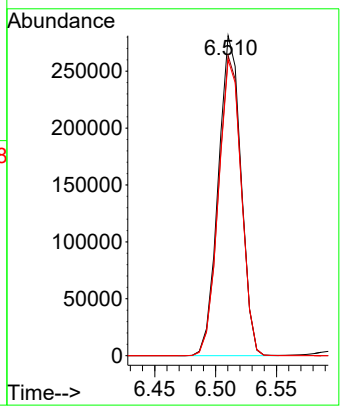


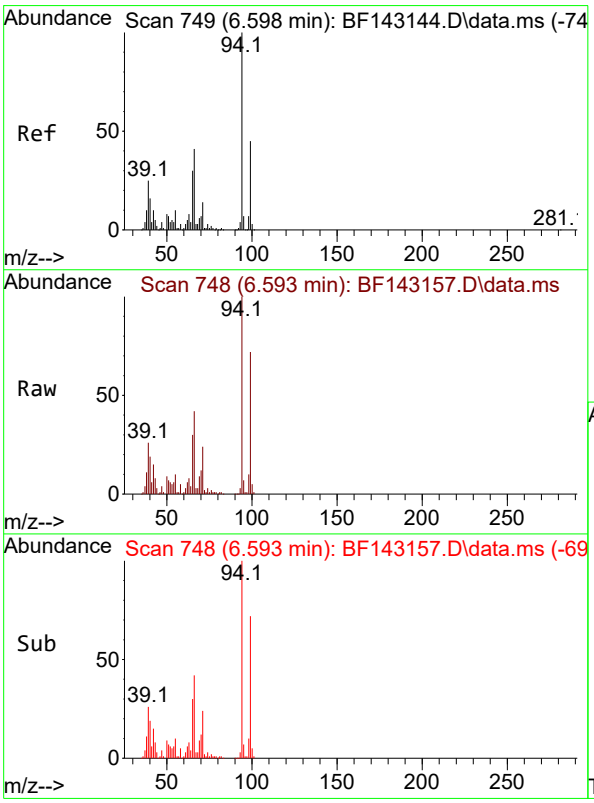
#9
Benzaldehyde
Concen: 43.912 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 363665

Ion	Ratio	Lower	Upper
77	100		
105	93.8	76.8	116.8
106	92.5	74.4	114.4

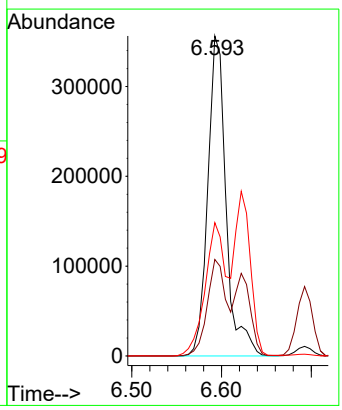


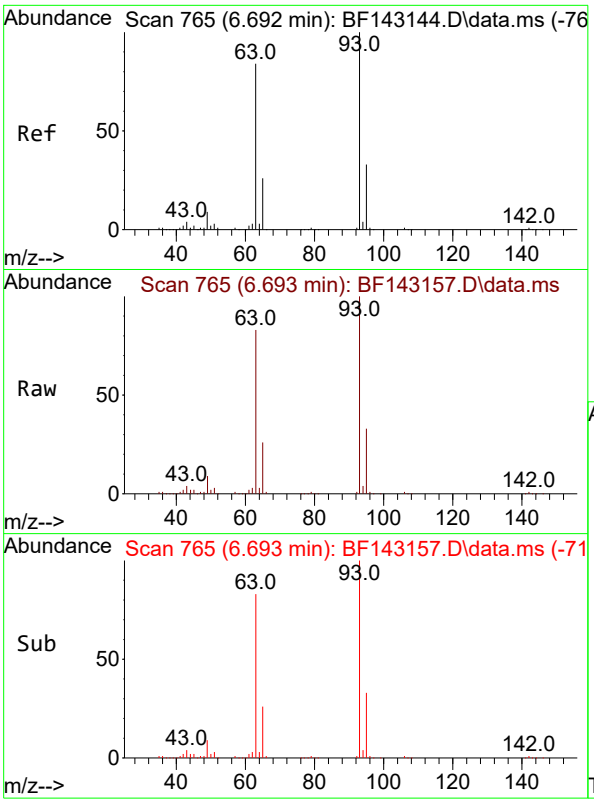


#10
Phenol
Concen: 41.885 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 94 Resp: 503953

Ion	Ratio	Lower	Upper
94	100		
65	30.2	10.0	50.0
66	41.6	20.8	60.8



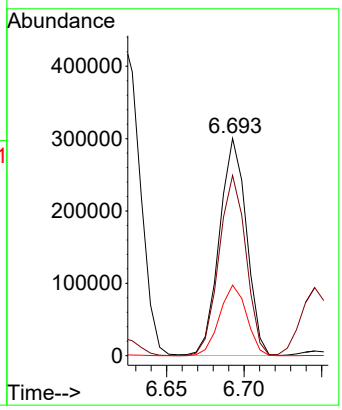


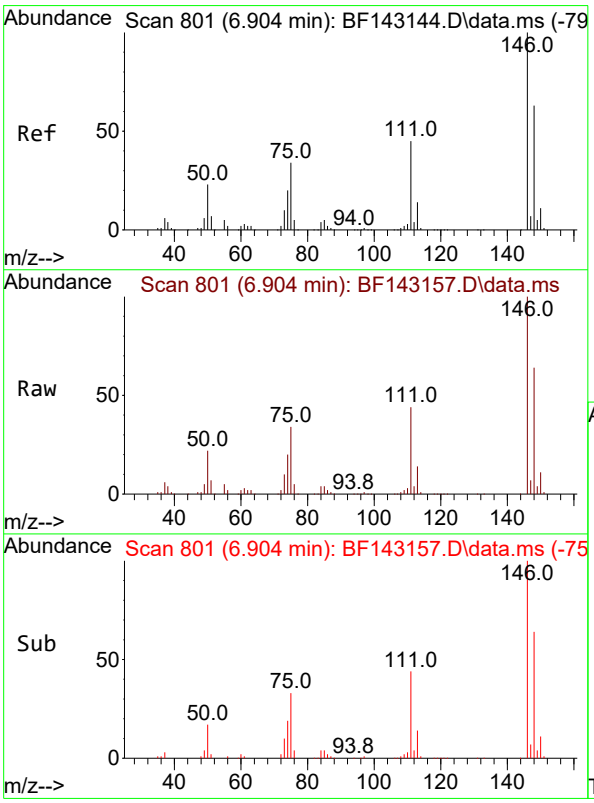
#11
bis(2-Chloroethyl)ether
Concen: 39.624 ng
RT: 6.693 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 365030

Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.4	103.4
95	32.5	12.4	52.4

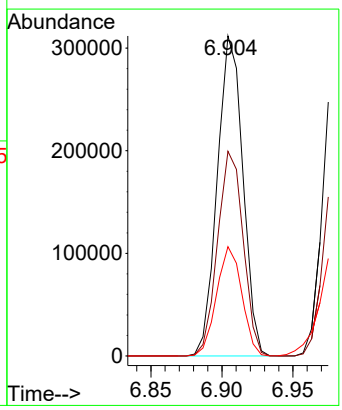


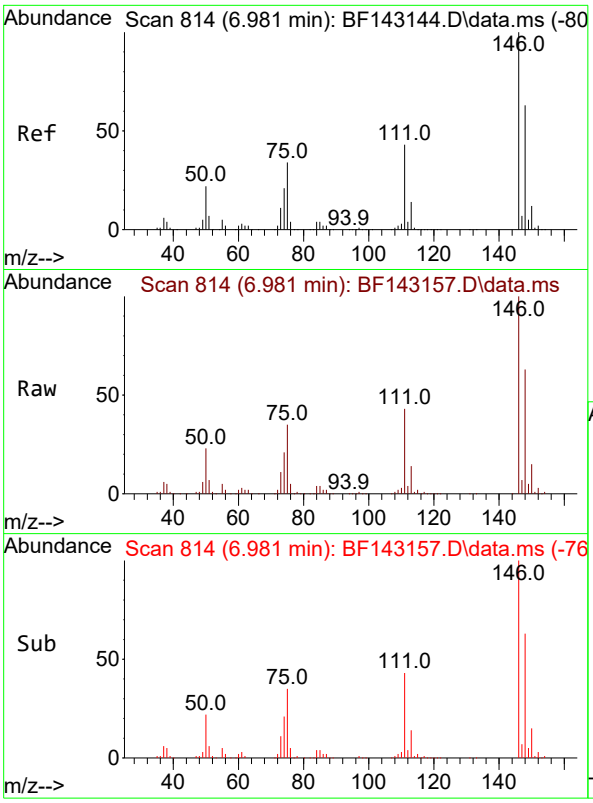


#12
1,3-Dichlorobenzene
Concen: 39.082 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:146 Resp: 390492

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
75	34.2	27.4	41.2



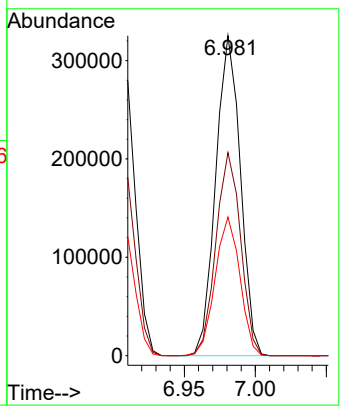


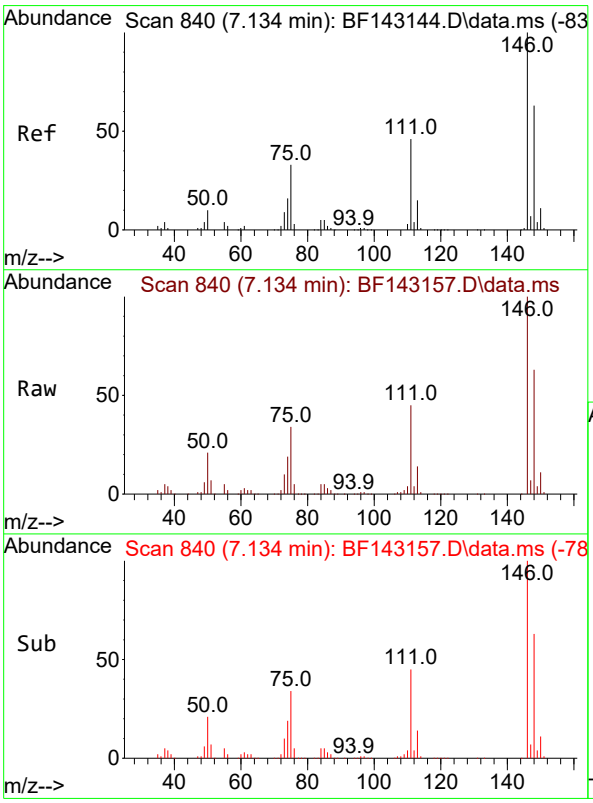
#13
1,4-Dichlorobenzene
Concen: 39.023 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 392653

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	43.3	34.4	51.6

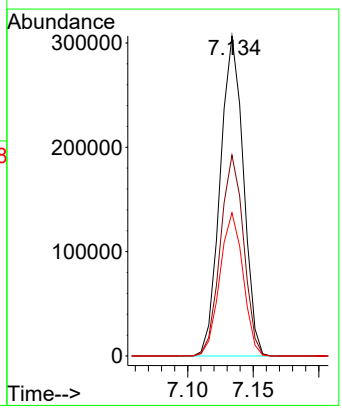


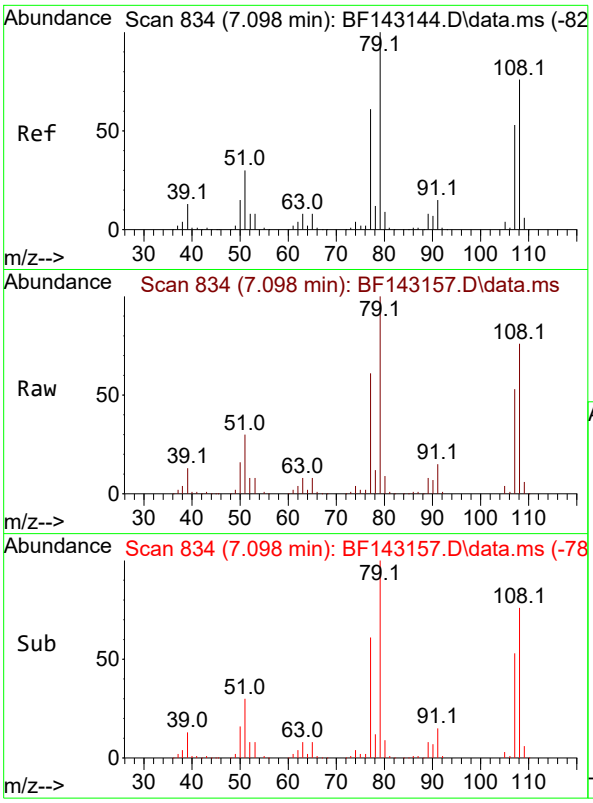


#14
1,2-Dichlorobenzene
Concen: 39.413 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:146 Resp: 377188

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.7	76.1
111	44.8	36.6	54.8



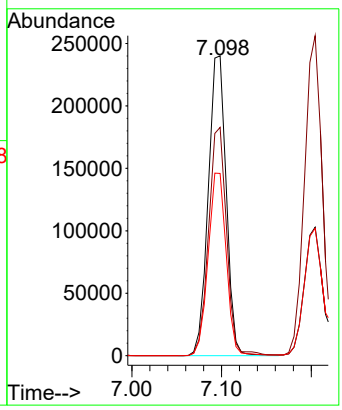


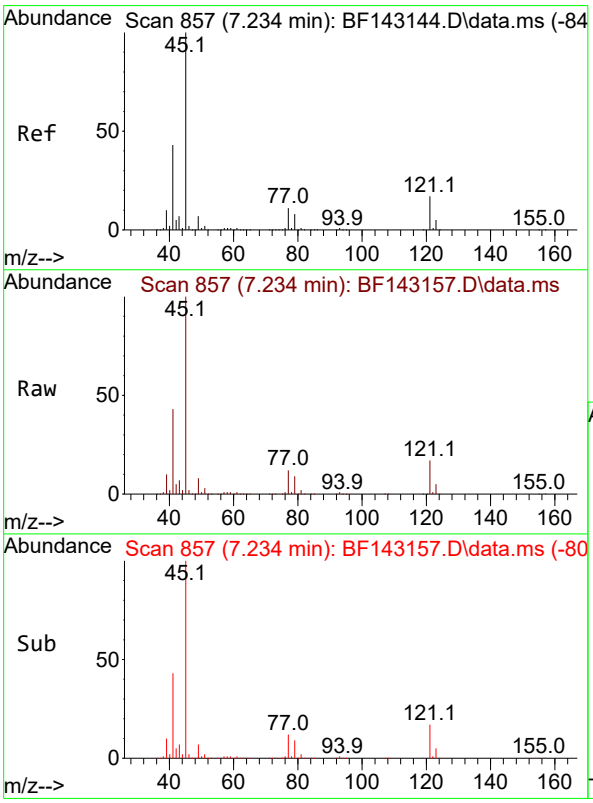
#15
Benzyl Alcohol
Concen: 39.613 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 334056

Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.1	91.7
77	60.8	48.9	73.3

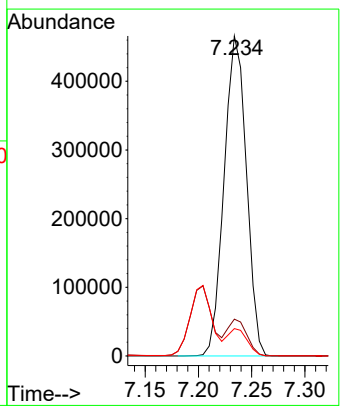


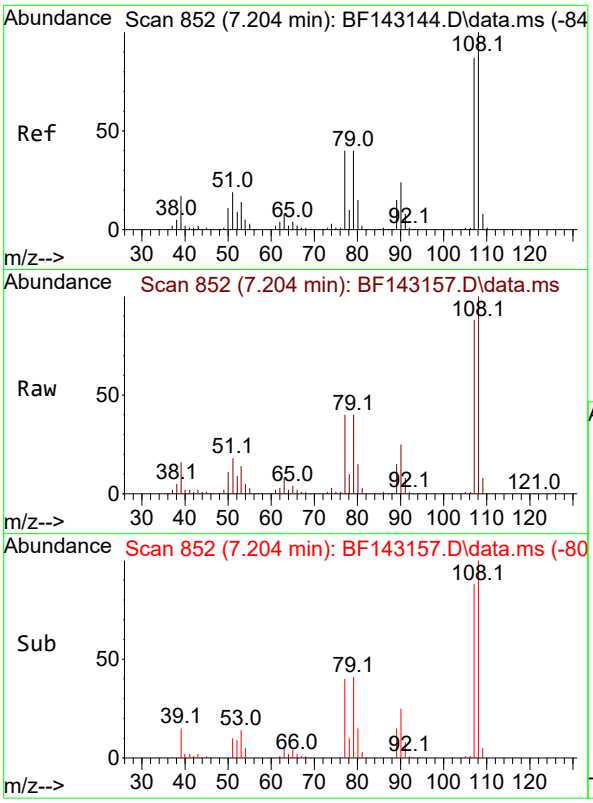


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.695 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 45 Resp: 678356

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.6	0.0	28.5



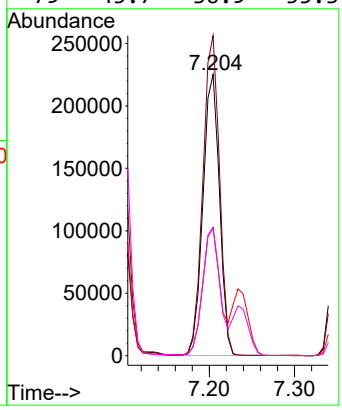


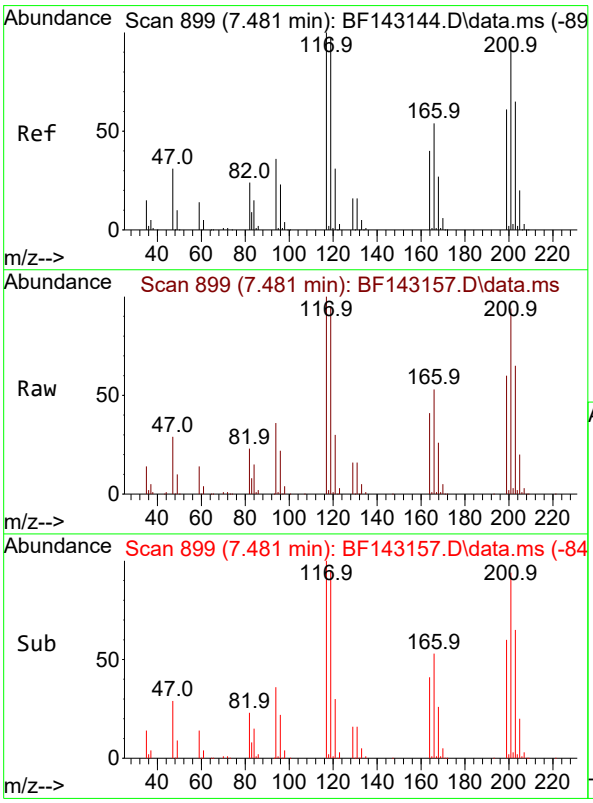
#17
2-Methylphenol
Concen: 39.283 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 303796

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.8	137.6
77	45.3	37.0	55.6
79	45.7	36.9	55.3

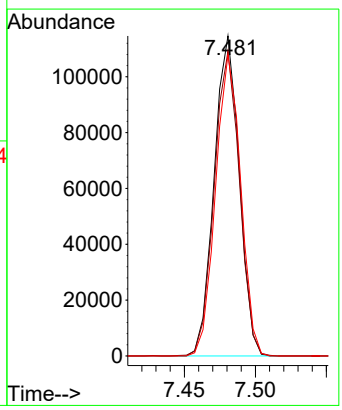


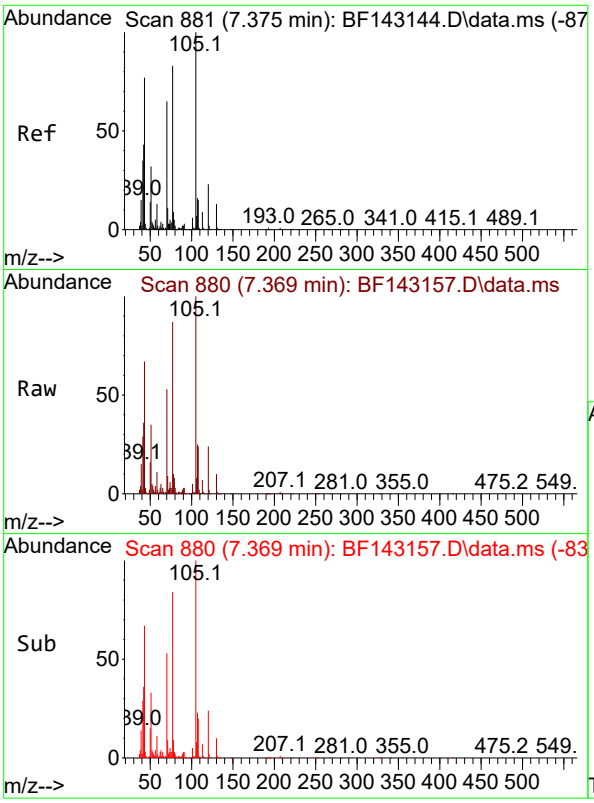


#18
Hexachloroethane
Concen: 40.502 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:117 Resp: 141080

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.8	116.8
201	94.1	77.0	115.4



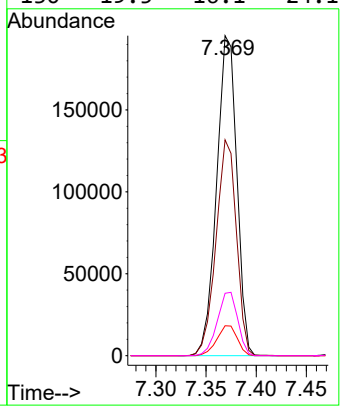


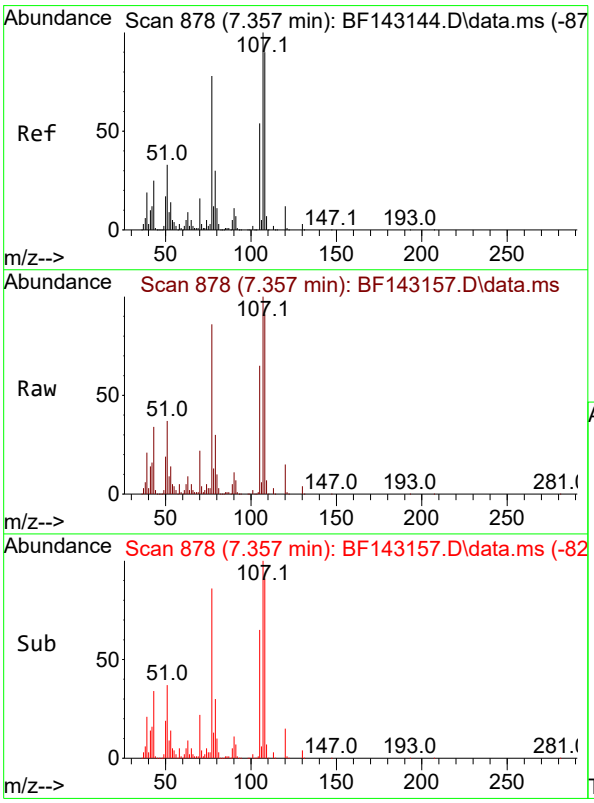
#19
n-Nitroso-di-n-propylamine
Concen: 38.561 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 273232

Ion	Ratio	Lower	Upper
70	100		
42	67.5	52.5	78.7
101	9.3	7.6	11.4
130	19.5	16.1	24.1

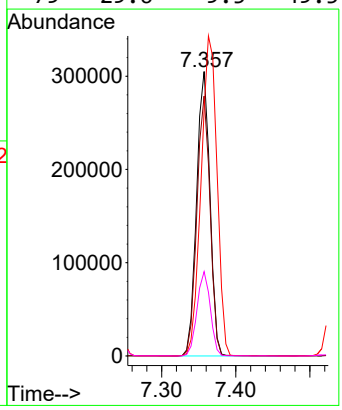


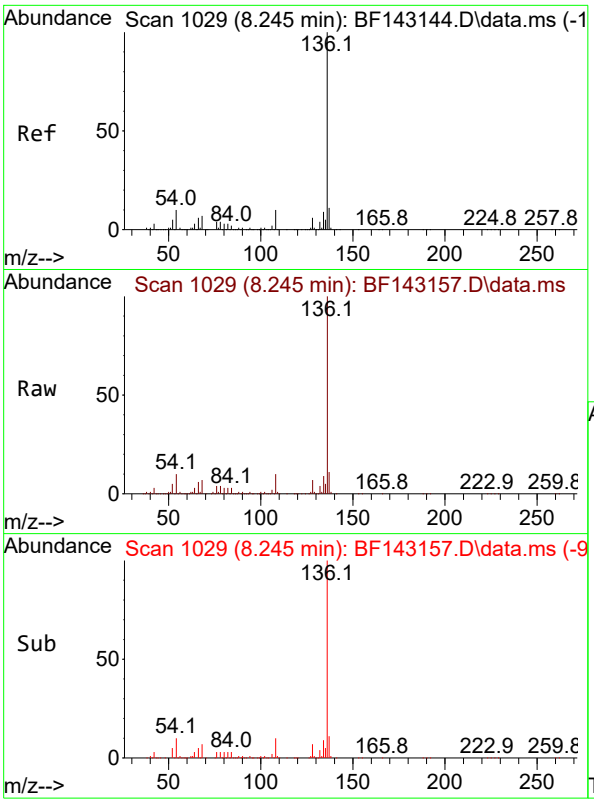


#20
3+4-Methylphenols
Concen: 40.698 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:107 Resp: 381861

Ion	Ratio	Lower	Upper
107	100		
108	91.3	70.0	110.0
77	86.4	57.8	97.8
79	29.6	9.5	49.5



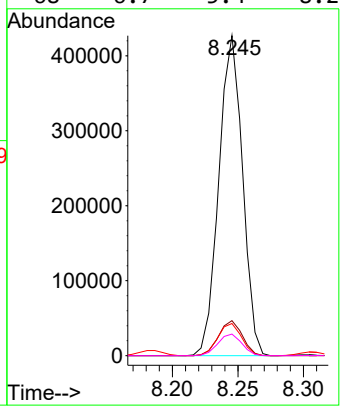


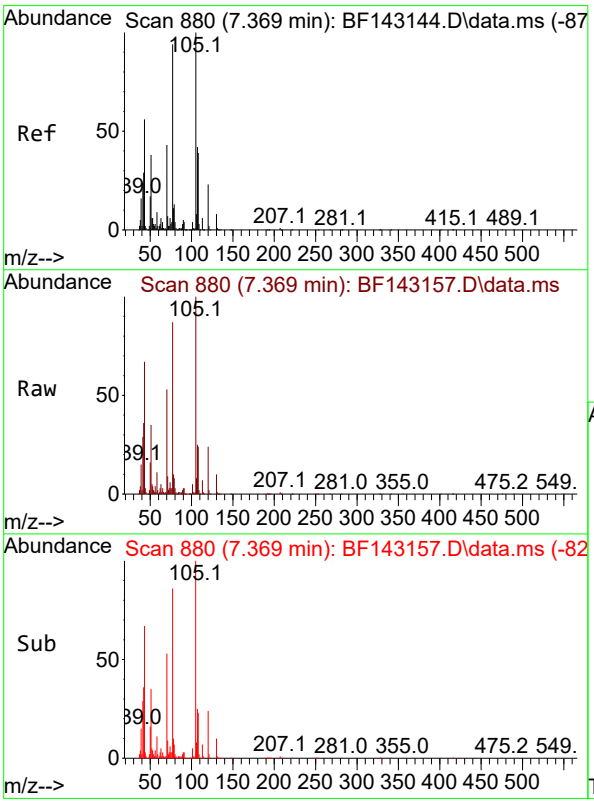
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 536902

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.0	8.2	12.2
68	6.7	5.4	8.2

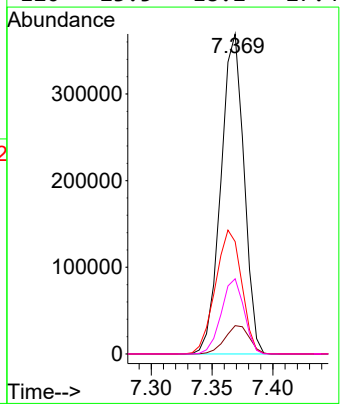


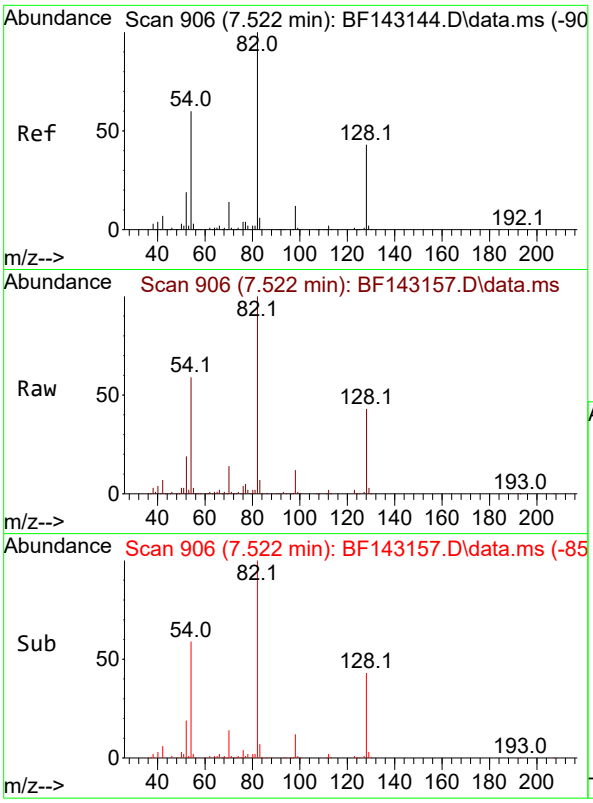


#22
Acetophenone
Concen: 38.334 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:105 Resp: 487279

Ion	Ratio	Lower	Upper
105	100		
71	8.9	5.8	8.6#
51	35.1	30.2	45.2
120	23.5	18.2	27.4



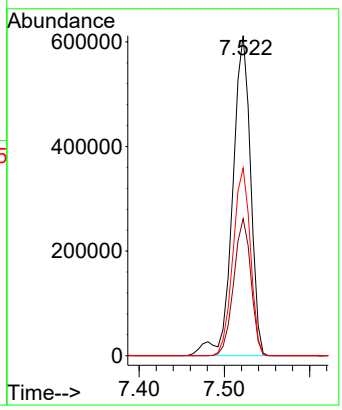


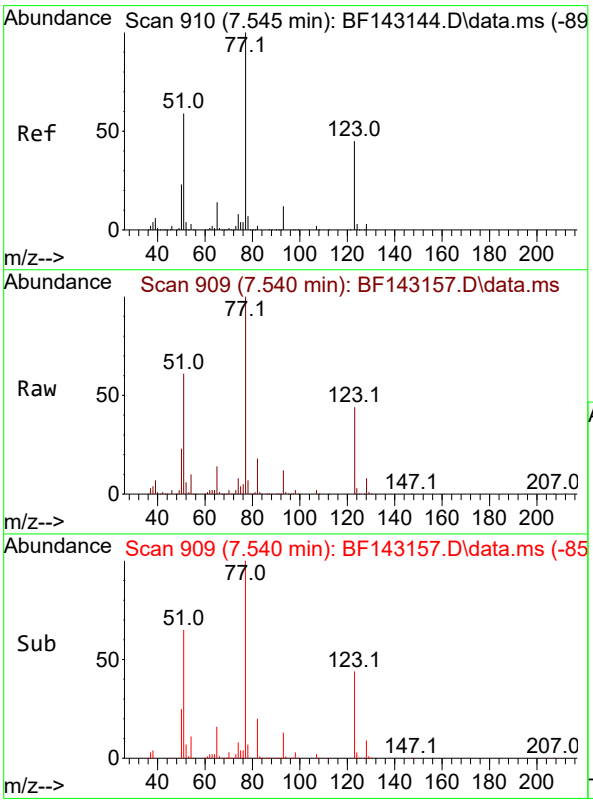
#23
Nitrobenzene-d5
Concen: 83.120 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 895287

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.6	50.4
54	58.6	47.1	70.7

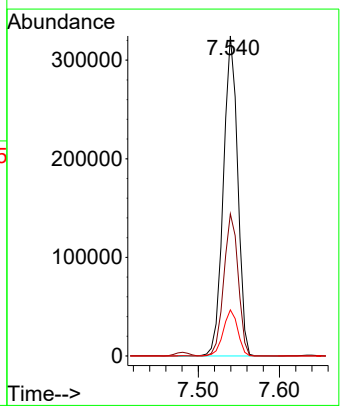


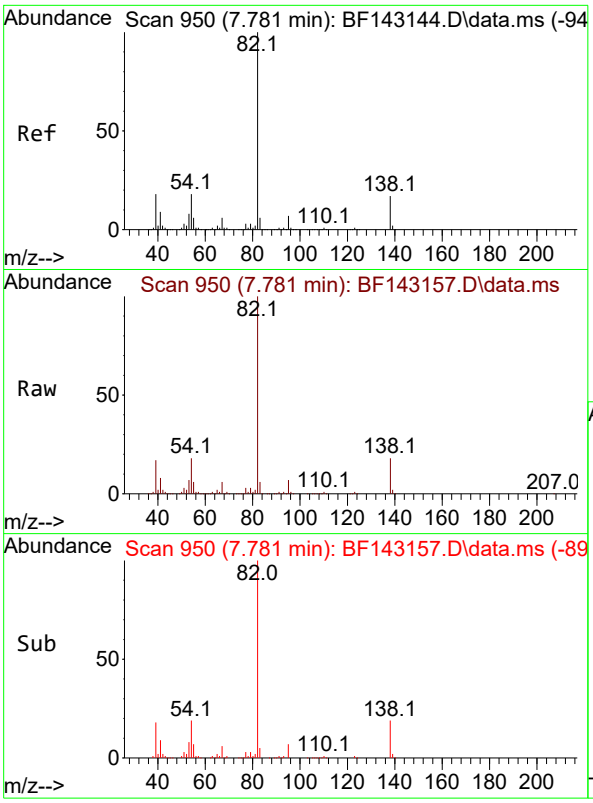


#24
Nitrobenzene
Concen: 39.799 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 77 Resp: 399661

Ion	Ratio	Lower	Upper
77	100		
123	44.4	36.1	54.1
65	14.4	11.4	17.2



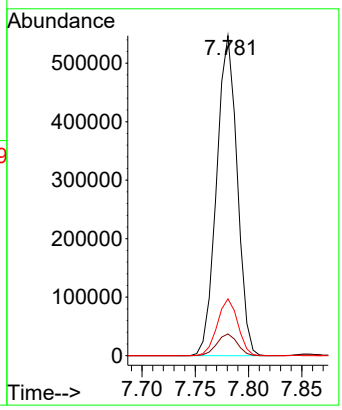


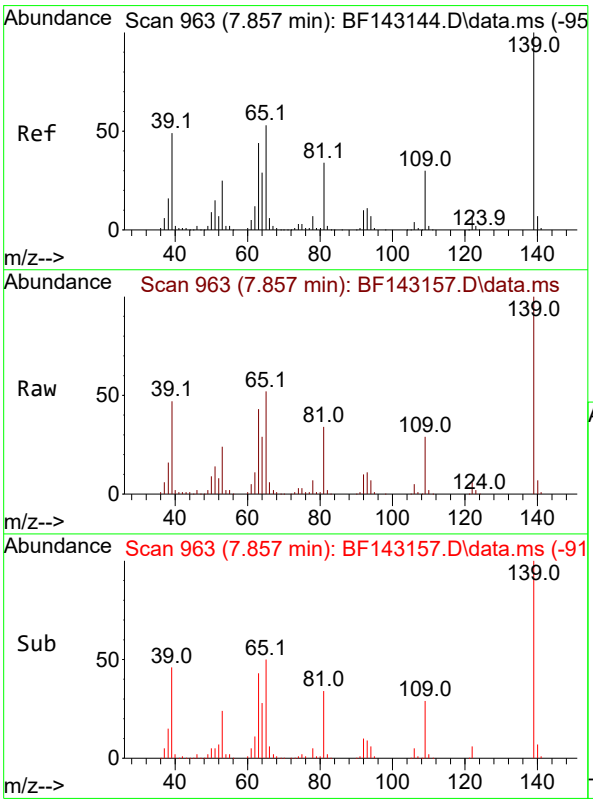
#25
Isophorone
Concen: 38.662 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 735124

Ion	Ratio	Lower	Upper
82	100		
95	6.8	5.5	8.3
138	17.8	13.8	20.8

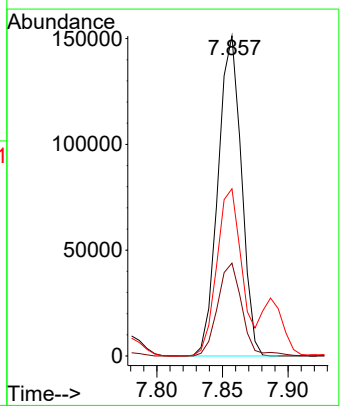


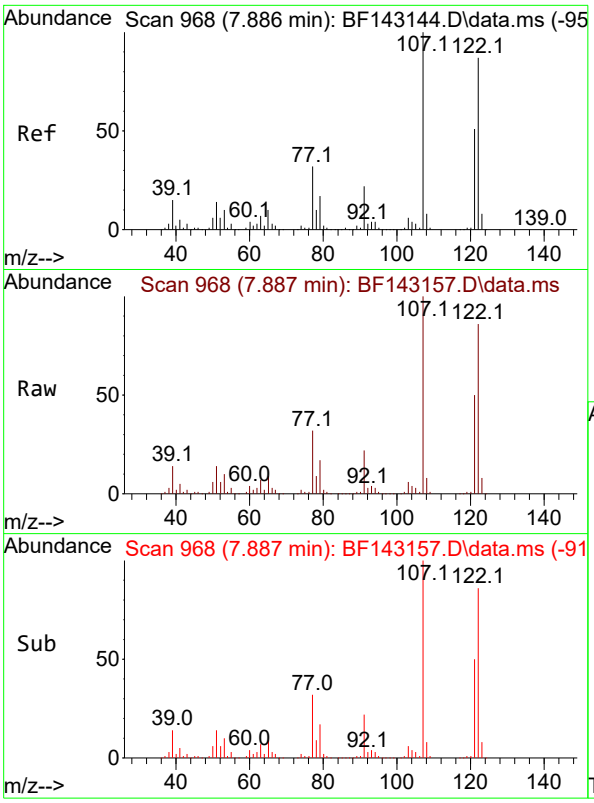


#26
2-Nitrophenol
Concen: 43.005 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:139 Resp: 187422

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.6	35.4
65	52.3	42.6	64.0



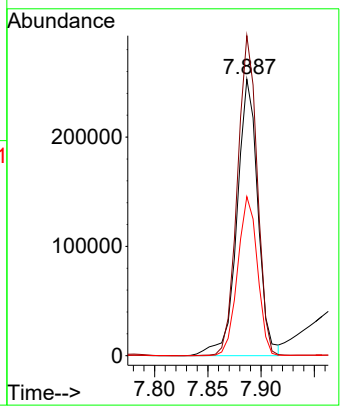


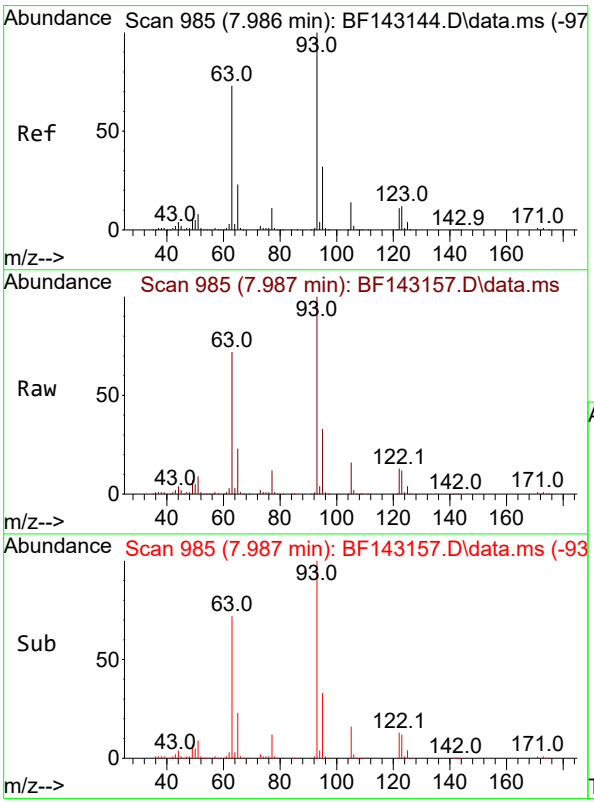
#27
2,4-Dimethylphenol
Concen: 38.914 ng
RT: 7.887 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 345701

Ion	Ratio	Lower	Upper
122	100		
107	115.7	91.8	137.6
121	57.5	46.3	69.5

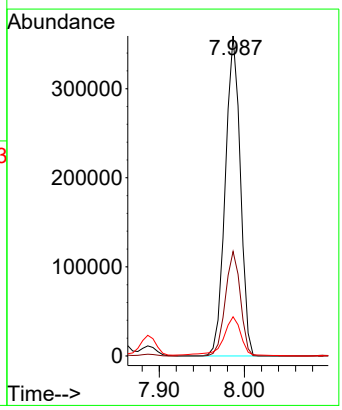


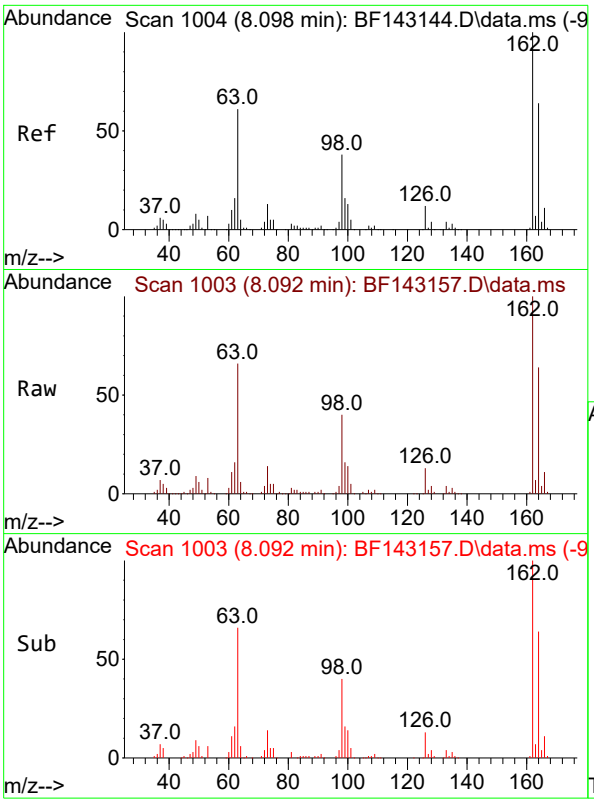


#28
bis(2-Chloroethoxy)methane
Concen: 38.785 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 93 Resp: 442167

Ion	Ratio	Lower	Upper
93	100		
95	32.6	25.8	38.6
123	12.2	9.7	14.5



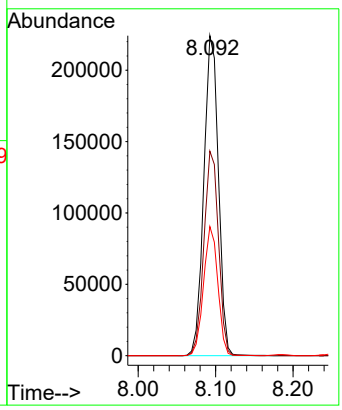


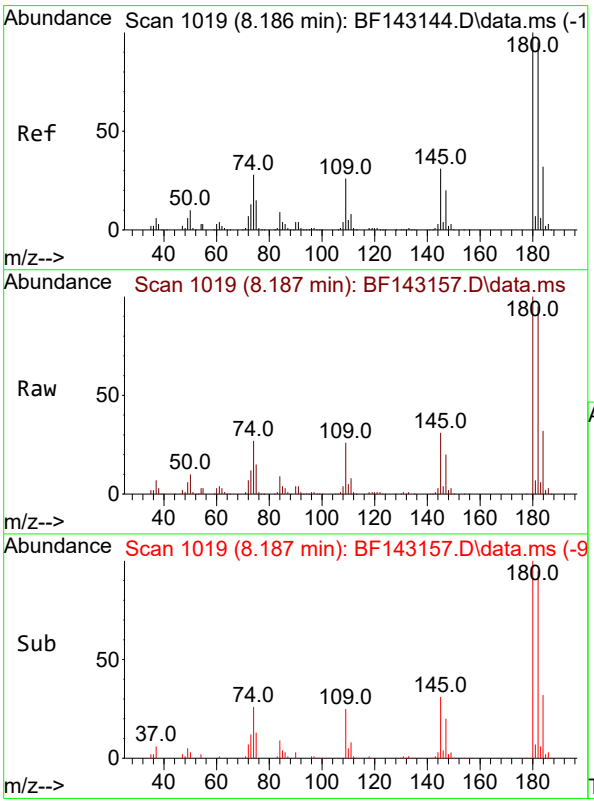
#29
2,4-Dichlorophenol
Concen: 39.168 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 293442

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	40.3	17.9	57.9

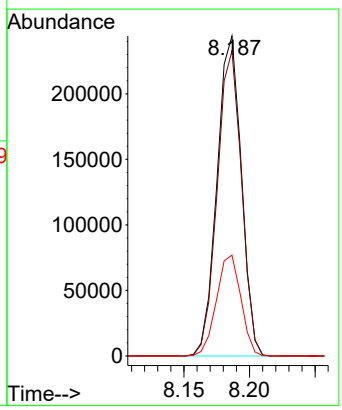


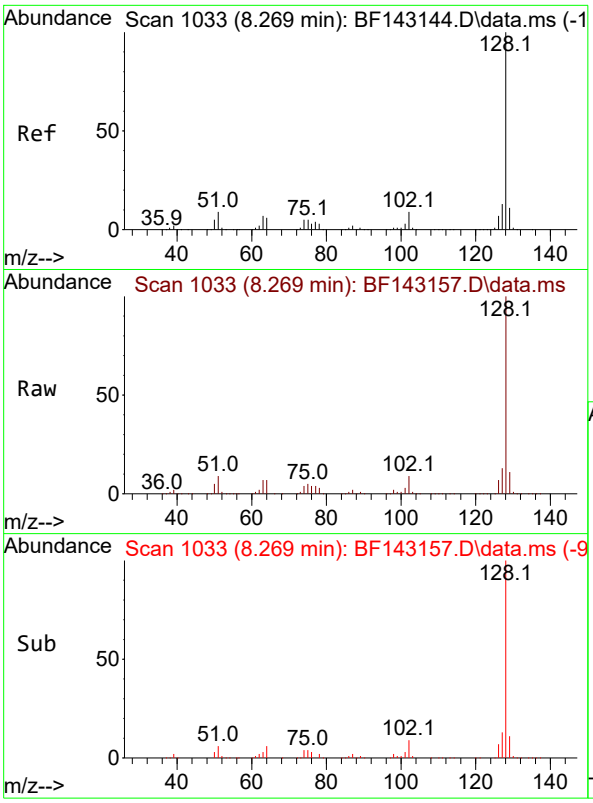


#30
1,2,4-Trichlorobenzene
Concen: 38.870 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:180 Resp: 314604

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
145	31.5	25.0	37.6



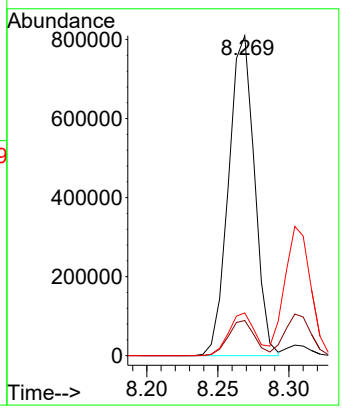


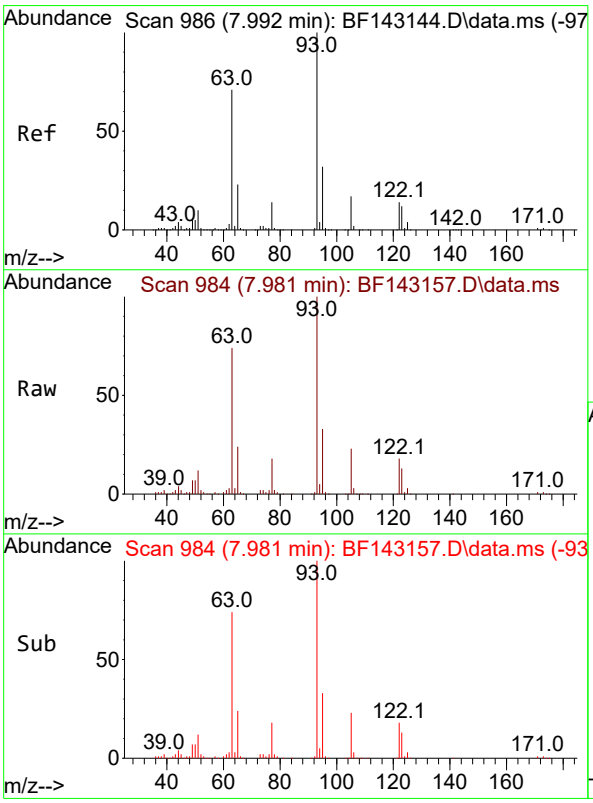
#31
Naphthalene
Concen: 38.883 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1028140

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.4	10.6	16.0

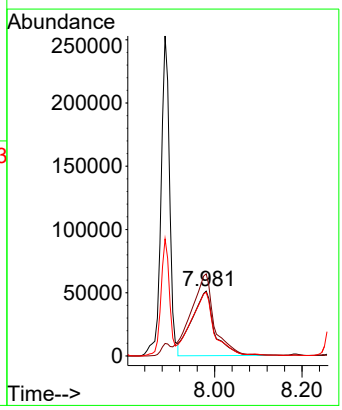


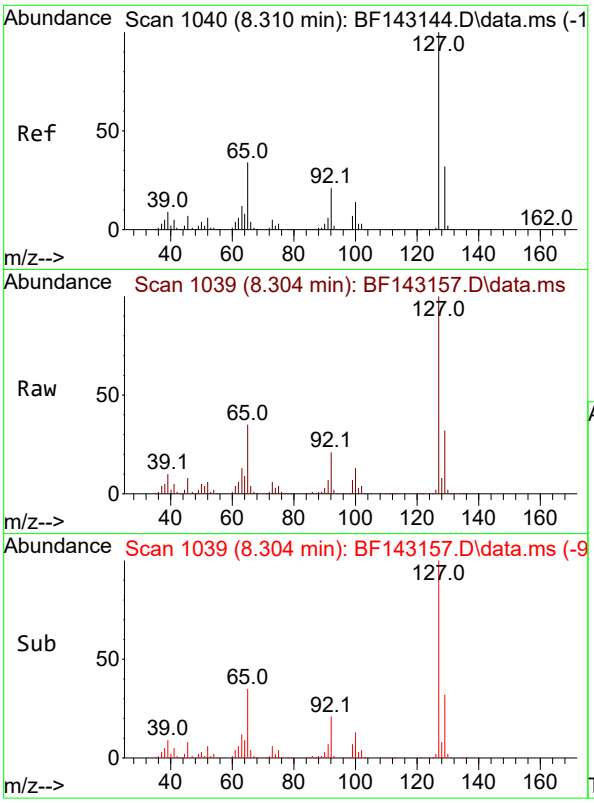


#32
Benzoic acid
Concen: 38.171 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:122 Resp: 185065

Ion	Ratio	Lower	Upper
122	100		
105	126.5	104.8	144.8
77	98.3	77.6	117.6



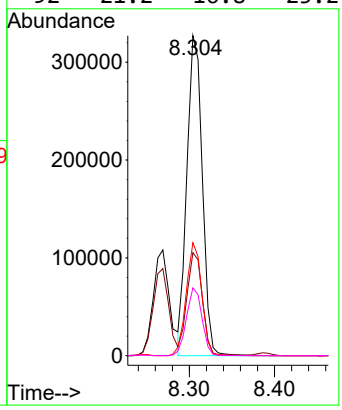


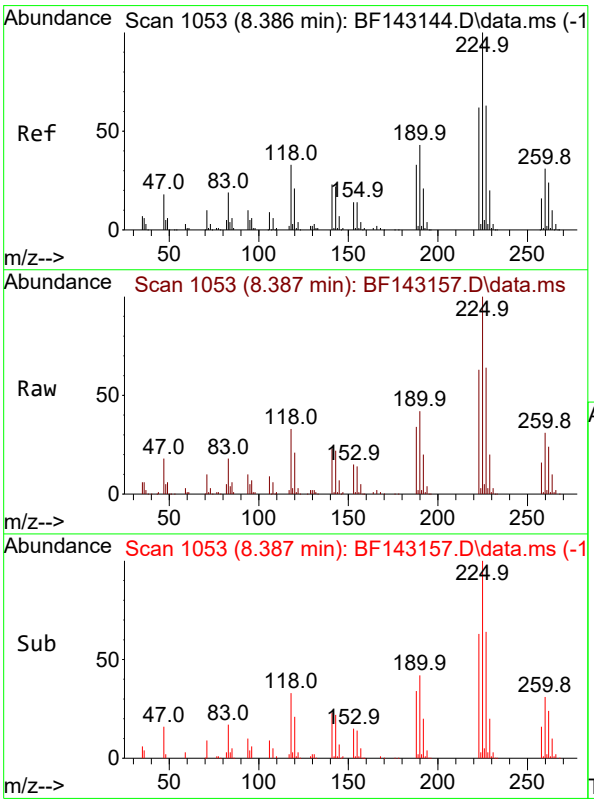
#33
4-Chloroaniline
Concen: 38.161 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 412017

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	35.3	27.4	41.2
92	21.2	16.8	25.2

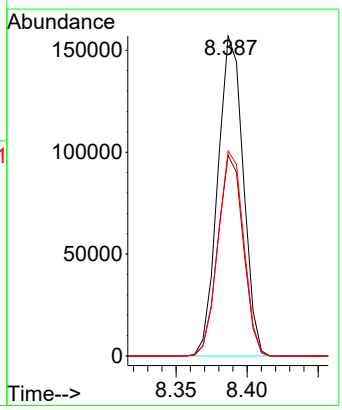


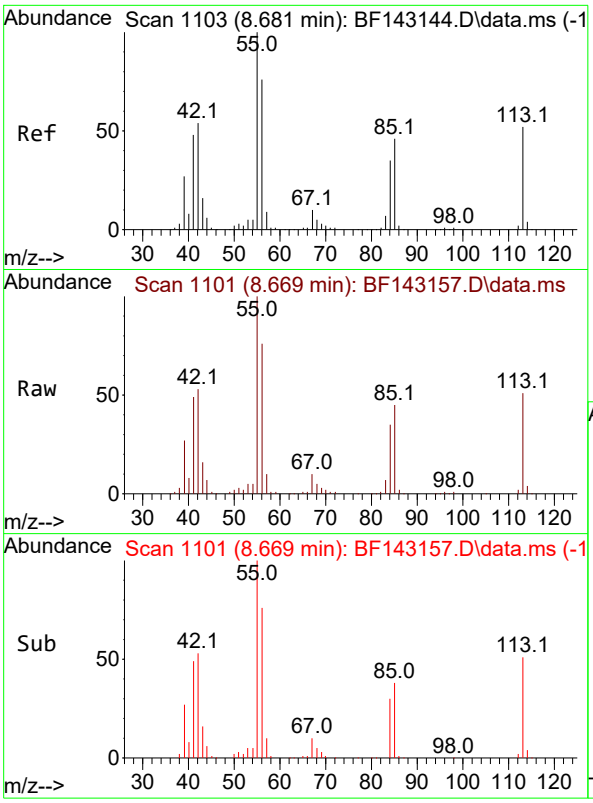


#34
Hexachlorobutadiene
Concen: 39.537 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:225 Resp: 195484

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.8	74.6
227	64.0	50.2	75.4



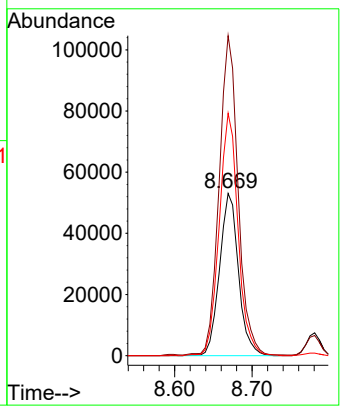


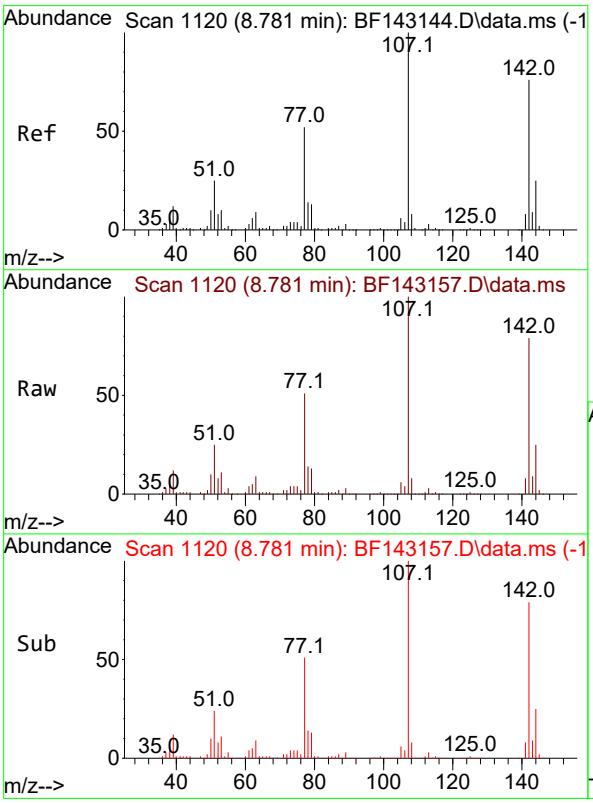
#35
Caprolactam
Concen: 39.790 ng
RT: 8.669 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 90080

Ion	Ratio	Lower	Upper
113	100		
55	197.2	174.0	214.0
56	149.4	126.6	166.6

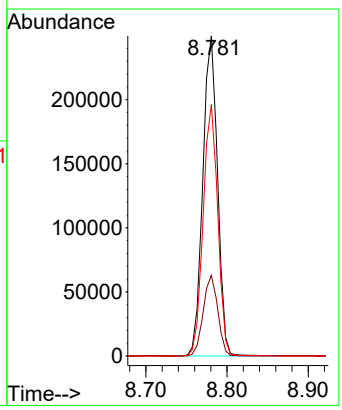


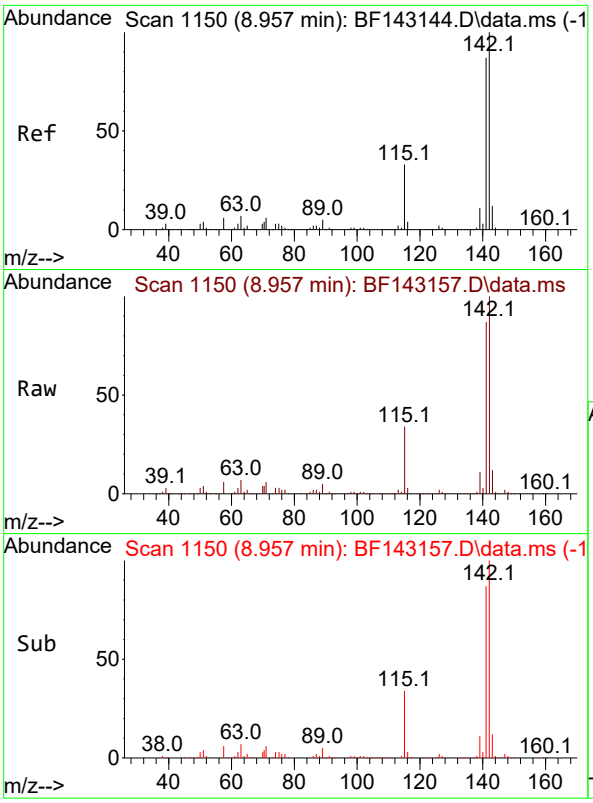


#36
4-Chloro-3-methylphenol
Concen: 38.598 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:107 Resp: 314299

Ion	Ratio	Lower	Upper
107	100		
144	25.2	19.8	29.6
142	78.5	60.6	90.8



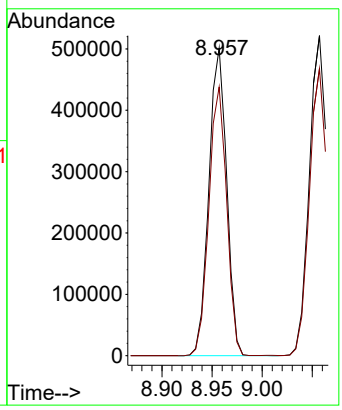


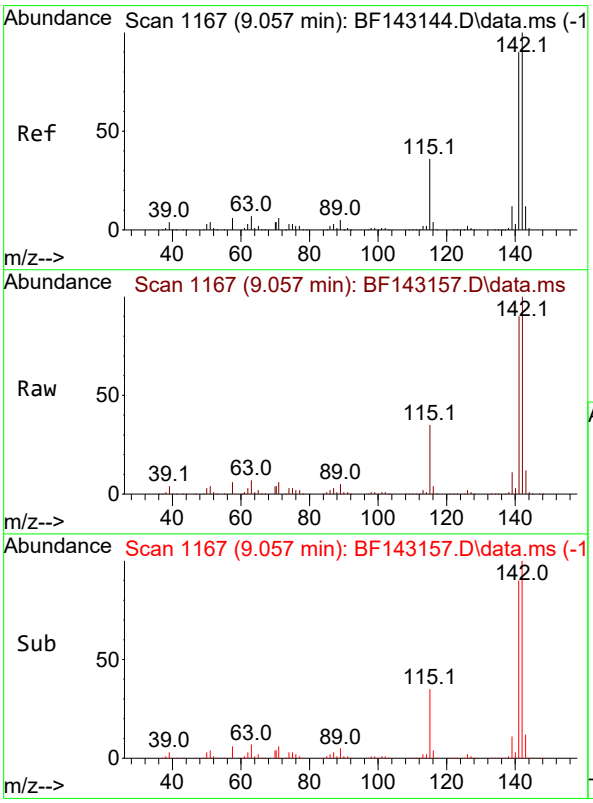
#37
2-Methylnaphthalene
Concen: 38.490 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 619310

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.9	104.9

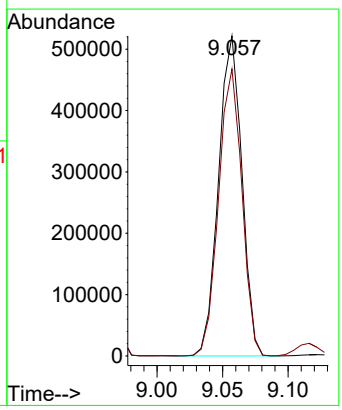


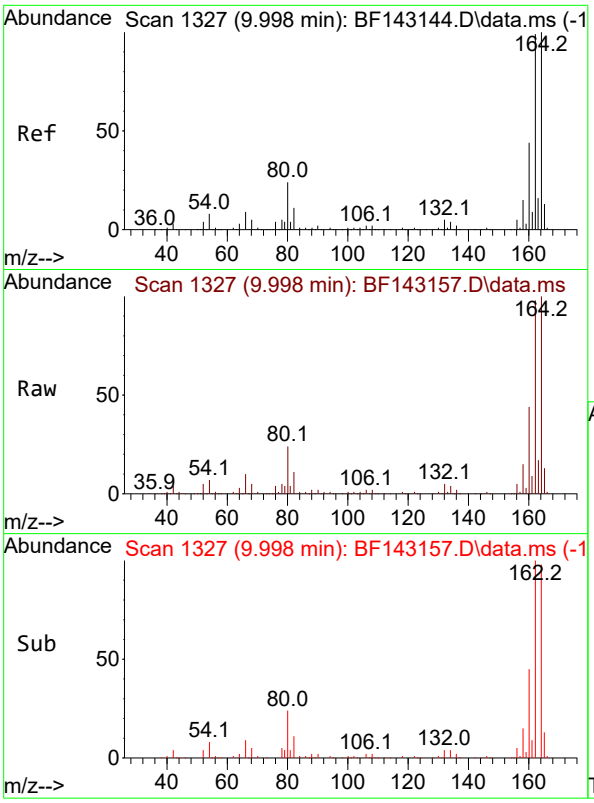


#38
1-Methylnaphthalene
Concen: 38.919 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:142 Resp: 644847

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.3	108.5



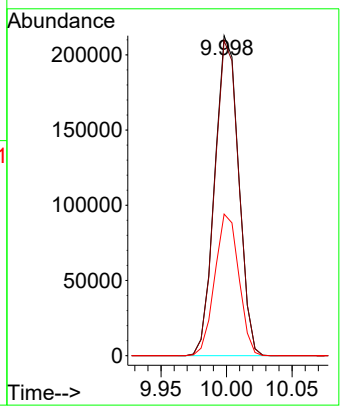


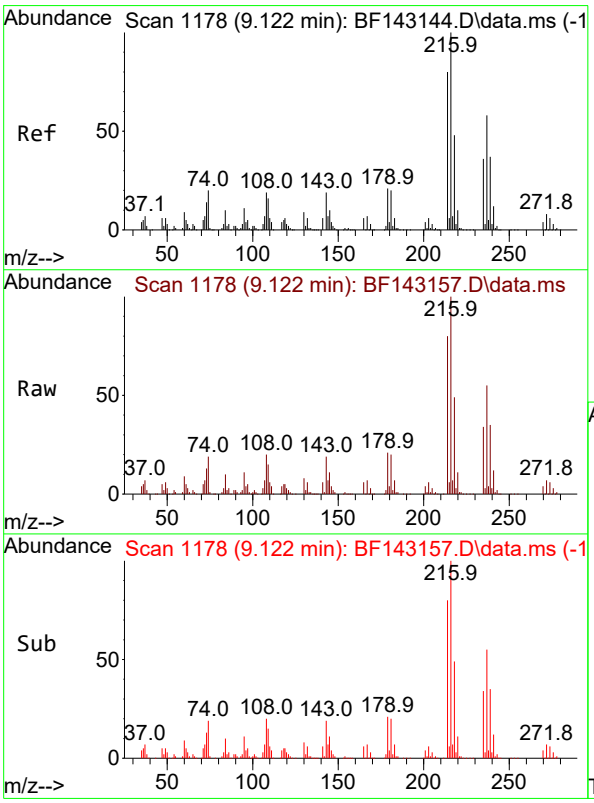
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 269673

Ion	Ratio	Lower	Upper
164	100		
162	98.4	79.0	118.6
160	44.3	35.1	52.7

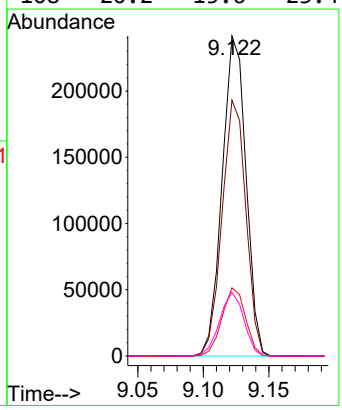


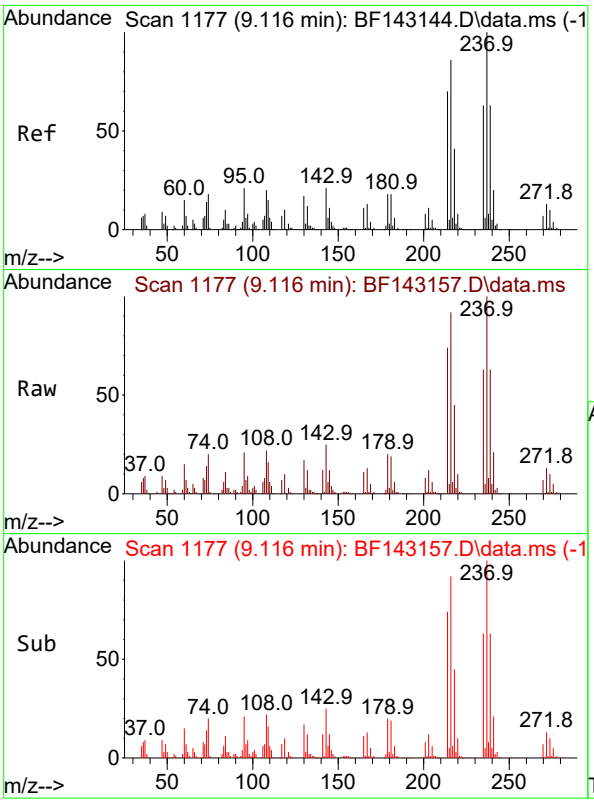


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.116 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:216 Resp: 304551

Ion	Ratio	Lower	Upper
216	100		
214	79.8	63.8	95.8
179	21.1	16.4	24.6
108	20.2	15.6	23.4



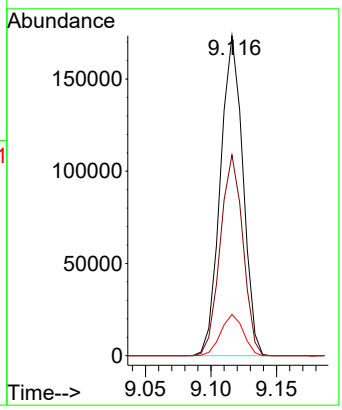


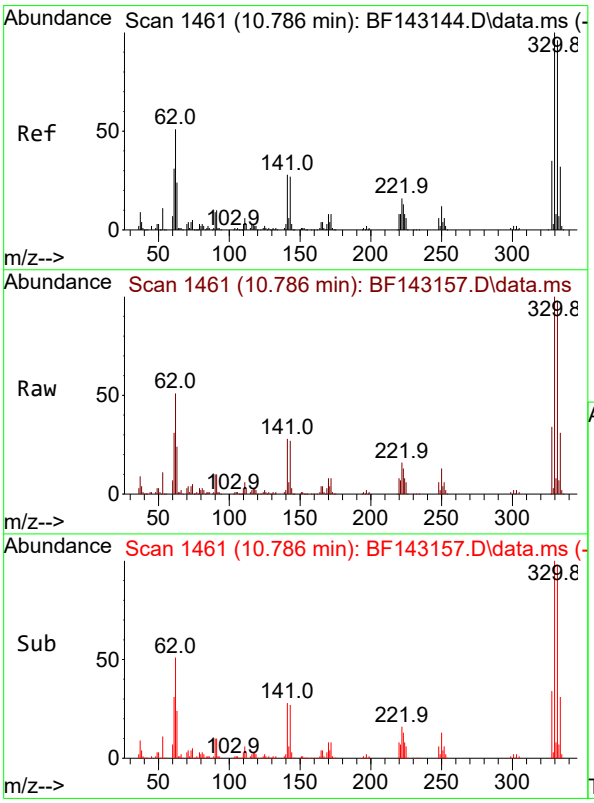
#41
Hexachlorocyclopentadiene
Concen: 40.834 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 206865

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.0	83.0
272	12.9	0.0	33.3

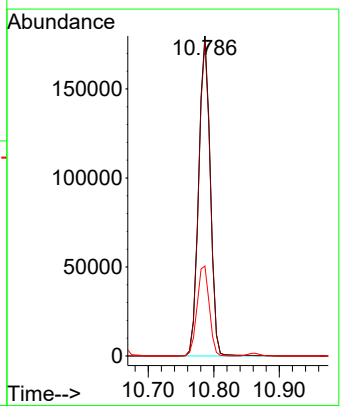


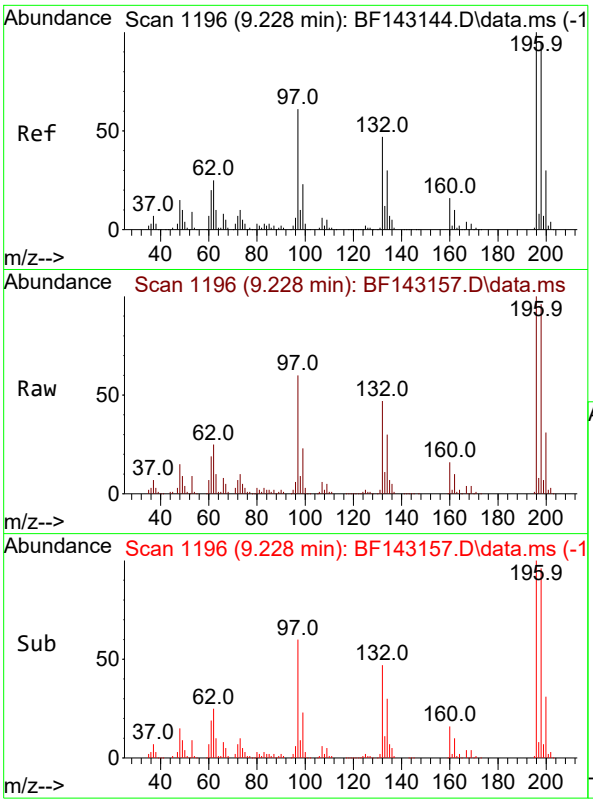


#42
2,4,6-Tribromophenol
Concen: 79.508 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:330 Resp: 221500

Ion	Ratio	Lower	Upper
330	100		
332	97.9	76.7	115.1
141	29.5	23.3	34.9



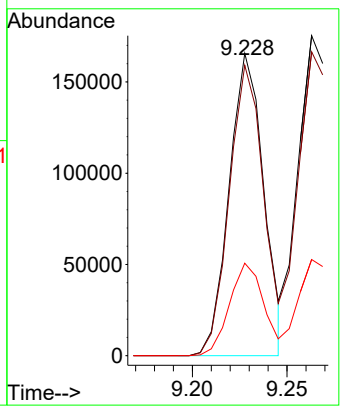


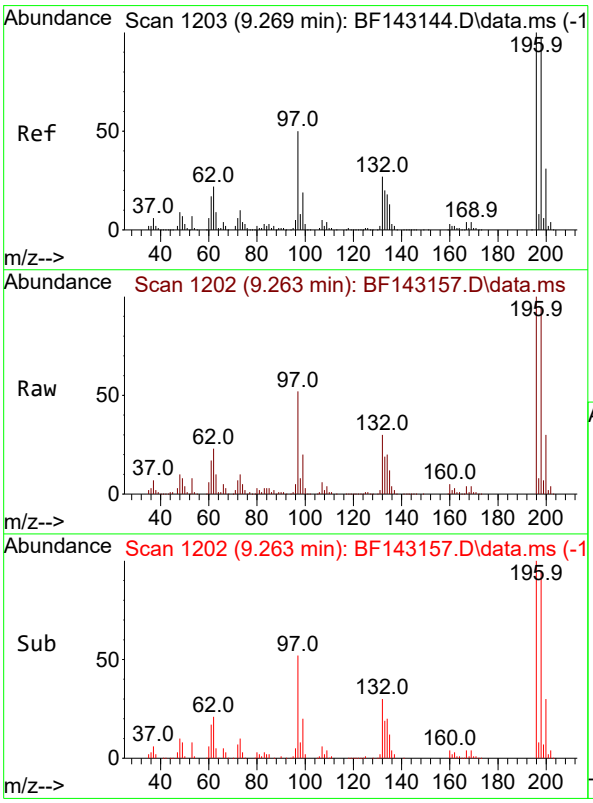
#43
2,4,6-Trichlorophenol
Concen: 38.954 ng
RT: 9.228 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 209902

Ion	Ratio	Lower	Upper
196	100		
198	96.1	76.2	114.2
200	30.6	23.9	35.9

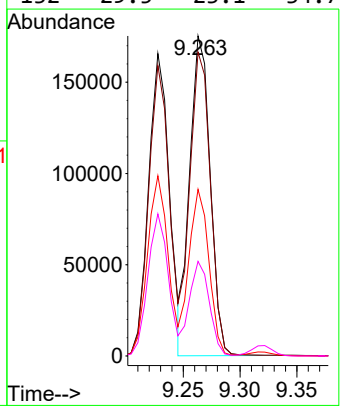


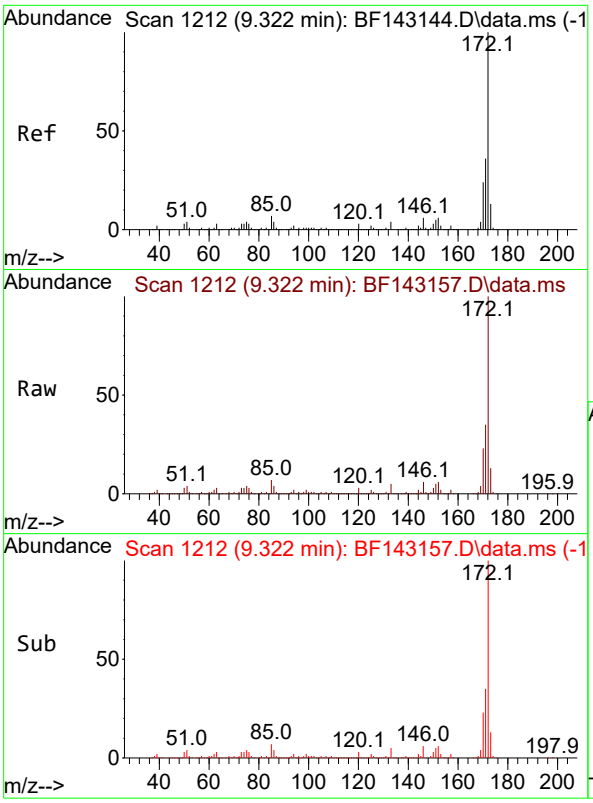


#44
2,4,5-Trichlorophenol
Concen: 40.808 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:196 Resp: 219957

Ion	Ratio	Lower	Upper
196	100		
198	94.9	77.3	115.9
97	52.1	40.3	60.5
132	29.5	23.1	34.7



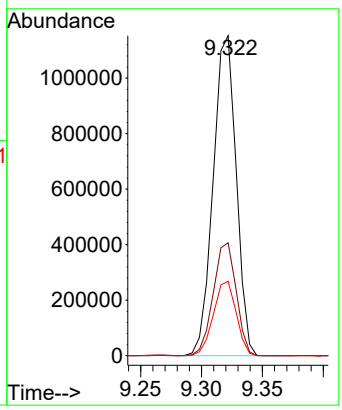


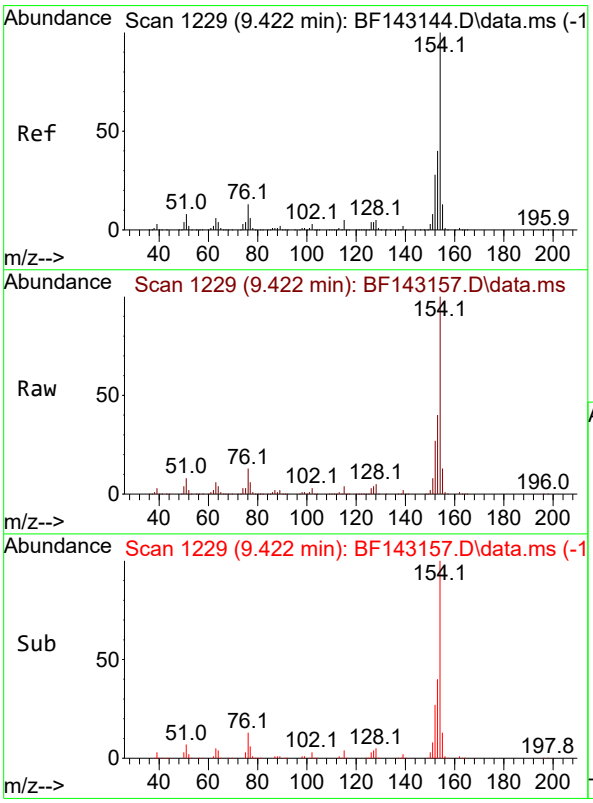
#45
2-Fluorobiphenyl
Concen: 77.029 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1518879

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.3	18.8	28.2

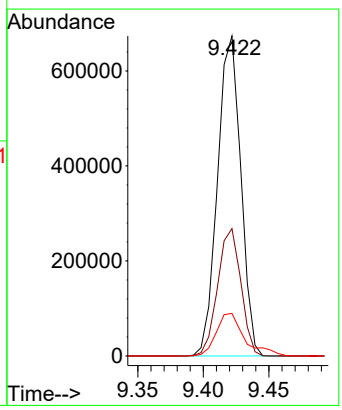


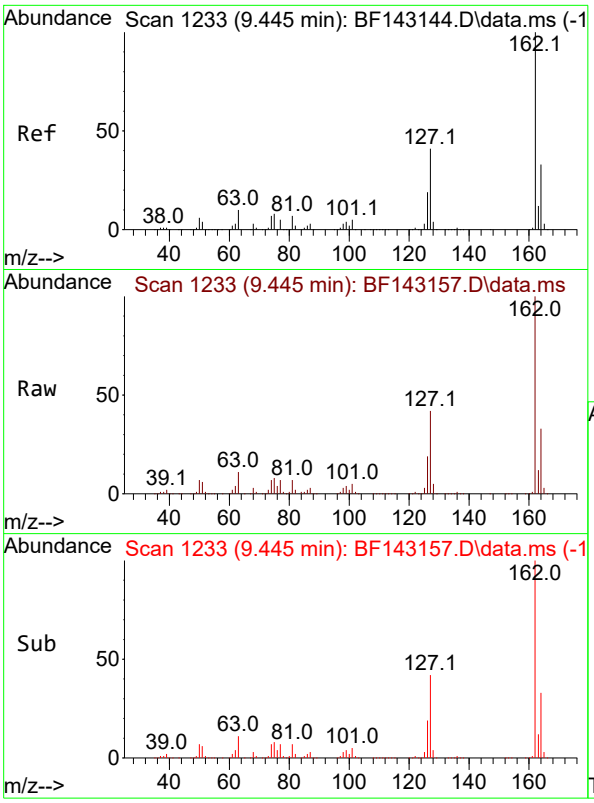


#46
1,1'-Biphenyl
Concen: 39.502 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:154 Resp: 831115

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	13.3	0.0	33.3



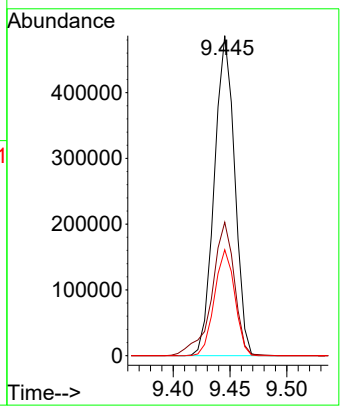


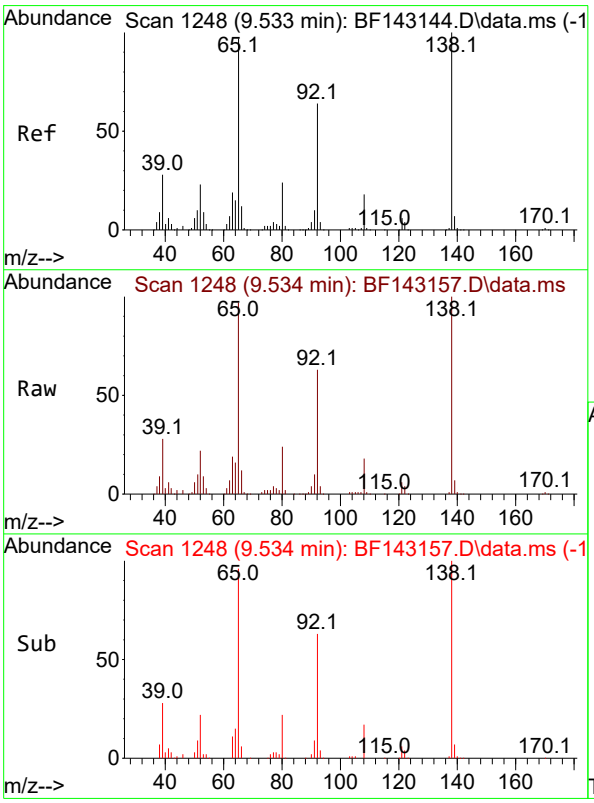
#47
2-Chloronaphthalene
Concen: 38.970 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 606685

Ion	Ratio	Lower	Upper
162	100		
127	41.7	33.4	50.2
164	33.1	26.2	39.2

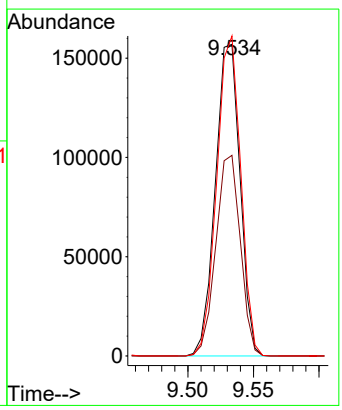


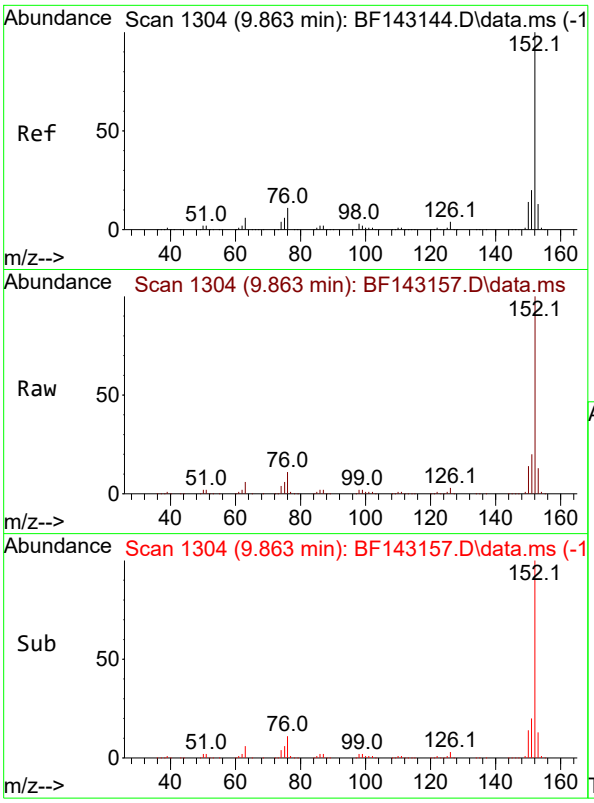


#48
2-Nitroaniline
Concen: 42.151 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion: 65 Resp: 205784

Ion	Ratio	Lower	Upper
65	100		
92	64.3	52.4	78.6
138	102.6	82.3	123.5



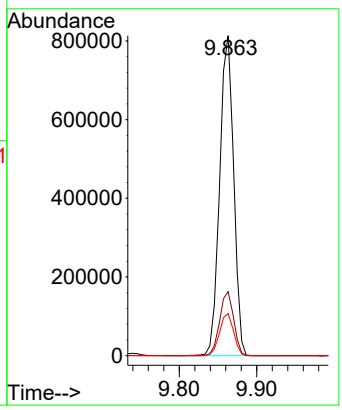


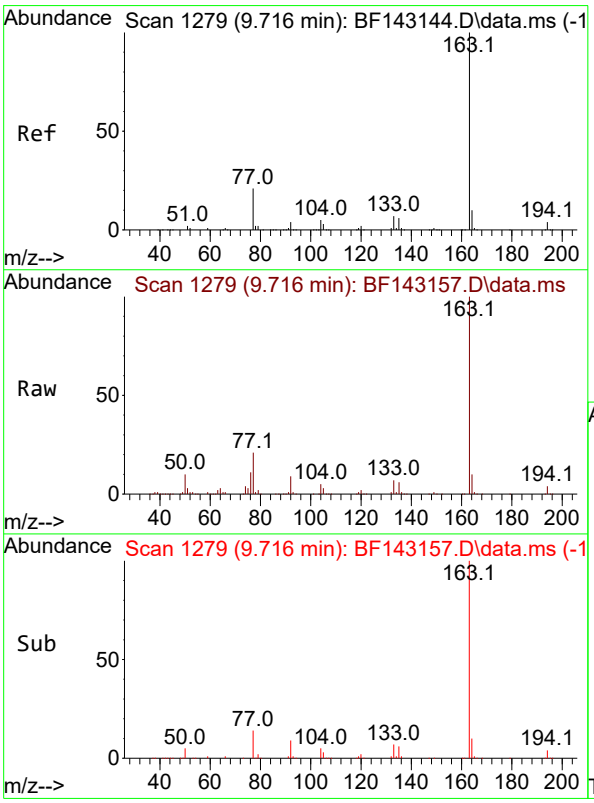
#49
Acenaphthylene
Concen: 39.148 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1021363

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.1	10.6	16.0

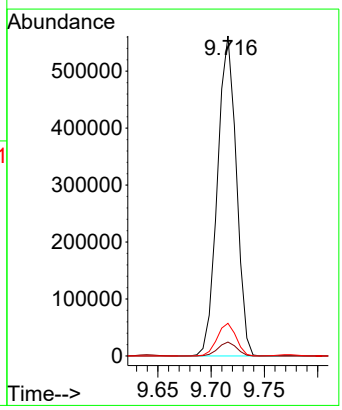


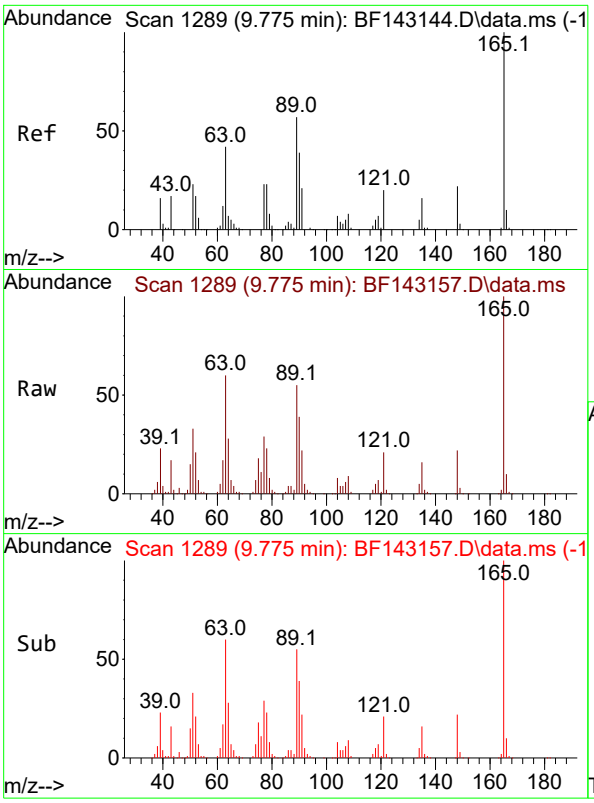


#50
Dimethylphthalate
Concen: 39.347 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:163 Resp: 691652

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.3	12.5



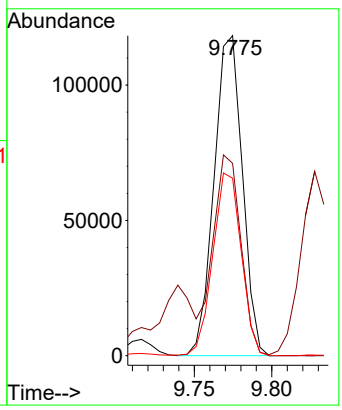


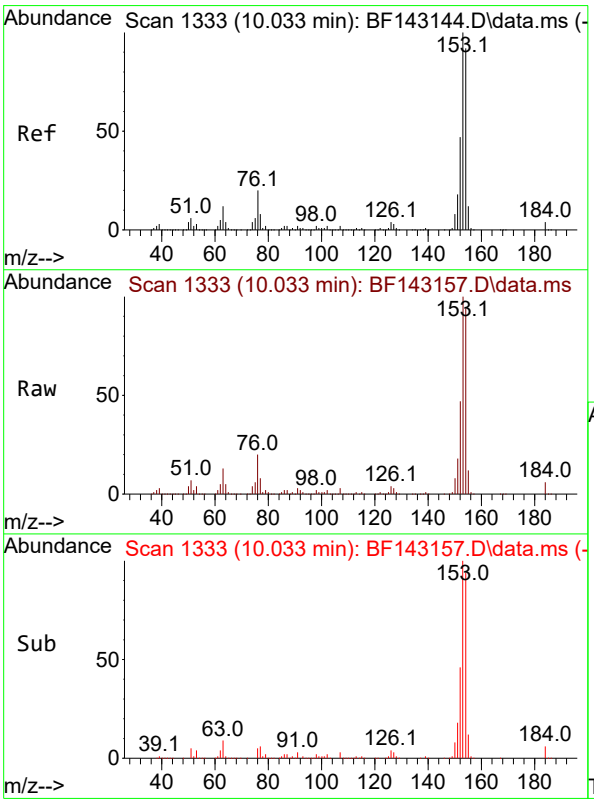
#51
2,6-Dinitrotoluene
Concen: 42.067 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 150428

Ion	Ratio	Lower	Upper
165	100		
63	60.1	49.4	74.2
89	55.5	46.2	69.2

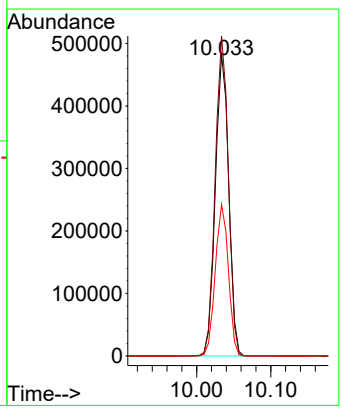


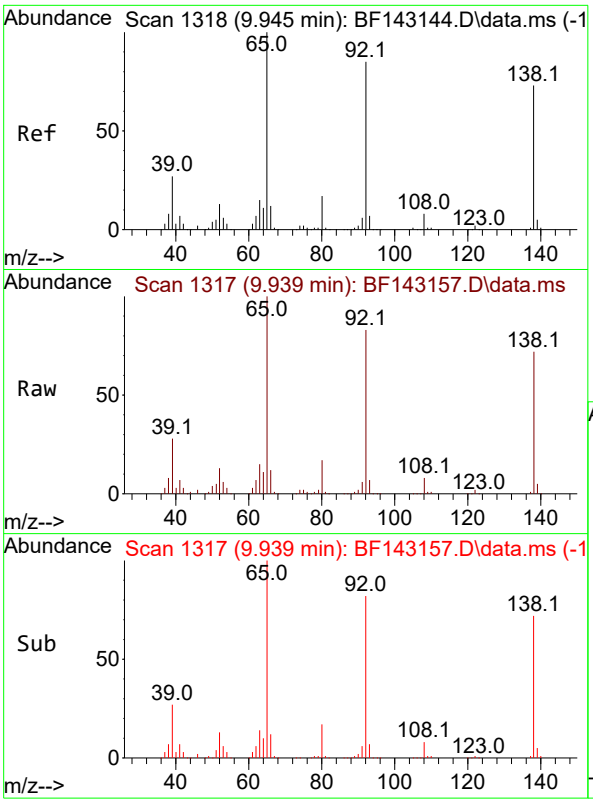


#52
Acenaphthene
Concen: 39.237 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:154 Resp: 605034

Ion	Ratio	Lower	Upper
154	100		
153	106.0	86.6	129.8
152	50.2	40.4	60.6



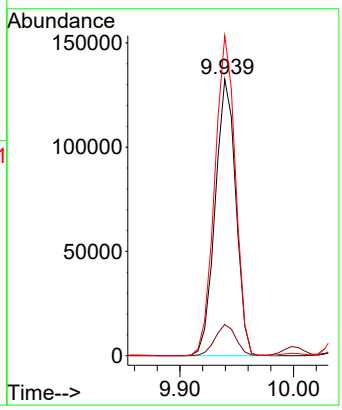


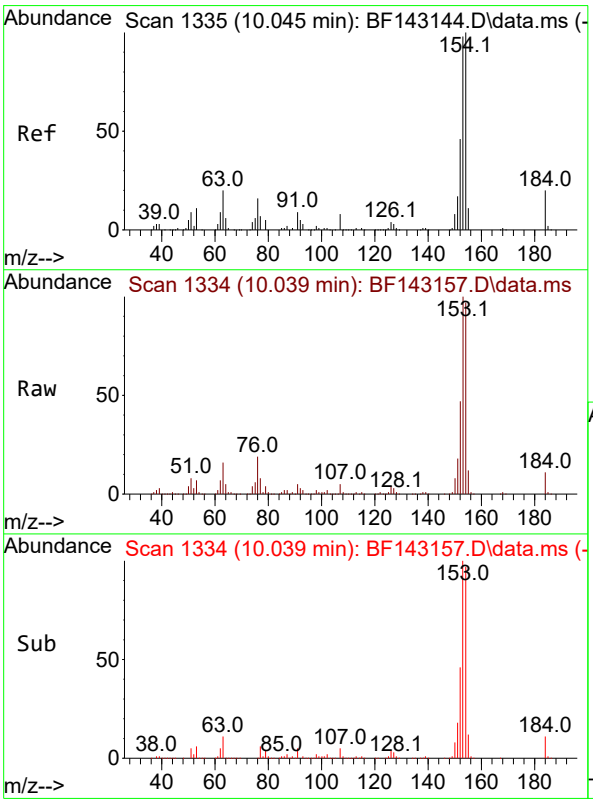
#53
3-Nitroaniline
Concen: 40.028 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 167420

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.6
92	115.7	93.0	139.4

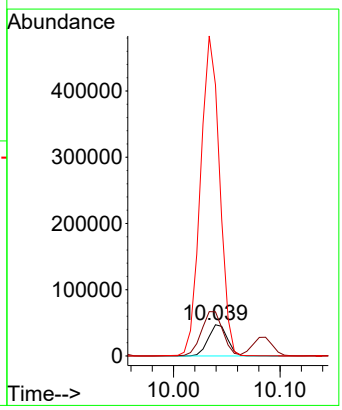


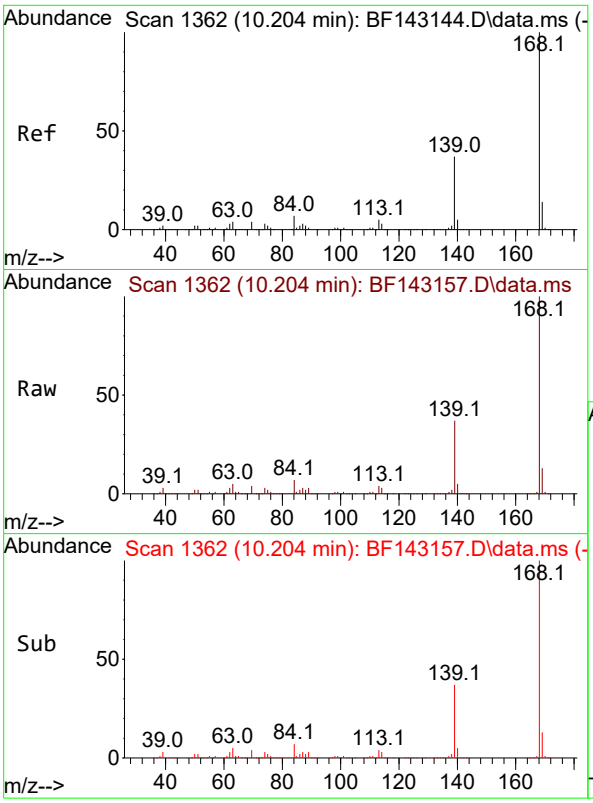


#54
2,4-Dinitrophenol
Concen: 39.960 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:184 Resp: 58866

Ion	Ratio	Lower	Upper
184	100		
63	141.1	81.8	122.6#
154	866.7	412.2	618.4#



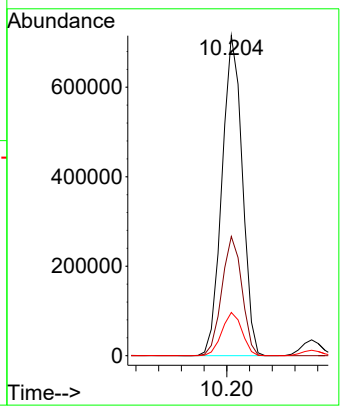


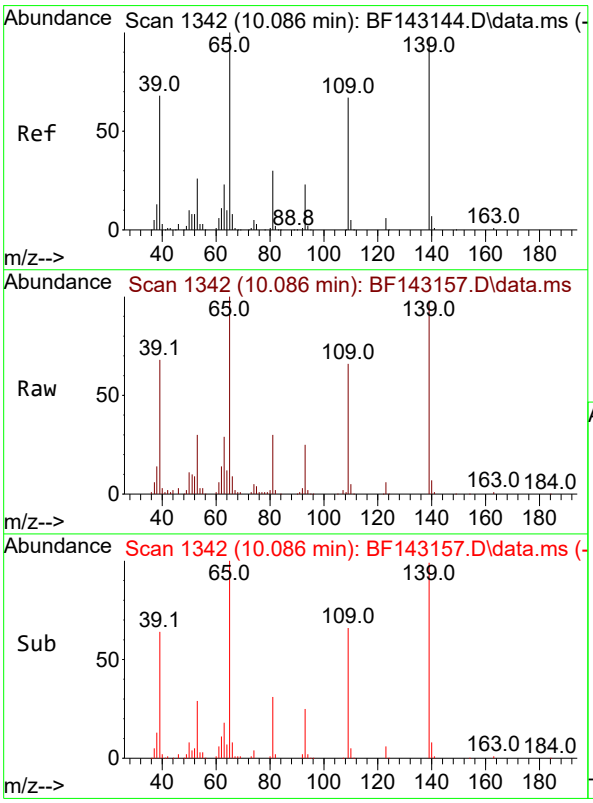
#55
Dibenzofuran
Concen: 38.841 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 889222

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.5	44.3
169	13.5	10.9	16.3

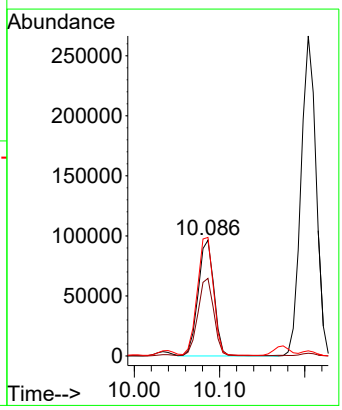


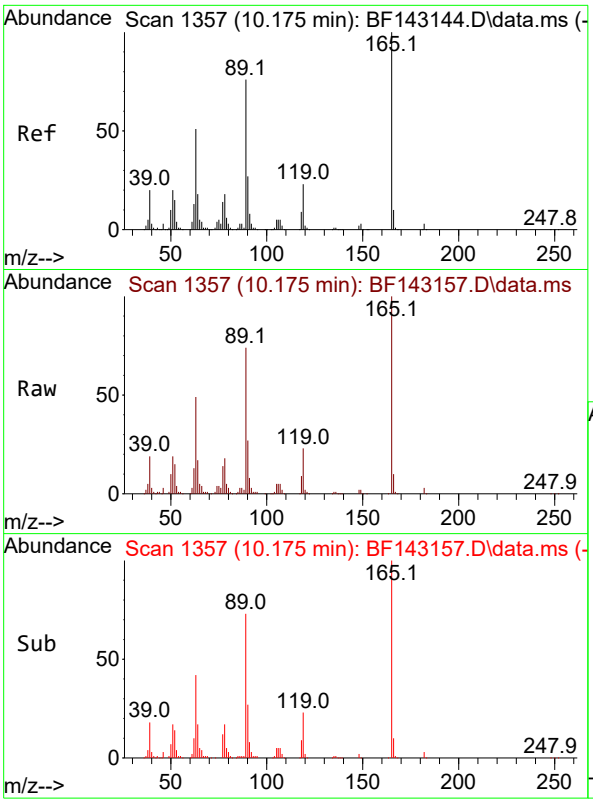


#56
4-Nitrophenol
Concen: 40.040 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:139 Resp: 125059

Ion	Ratio	Lower	Upper
139	100		
109	67.1	48.5	88.5
65	102.5	83.4	123.4



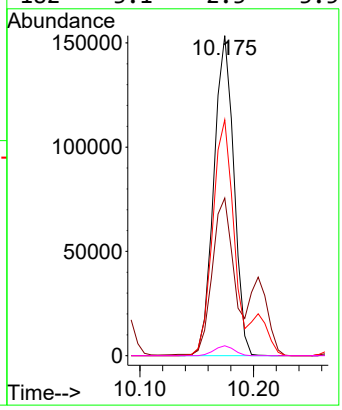


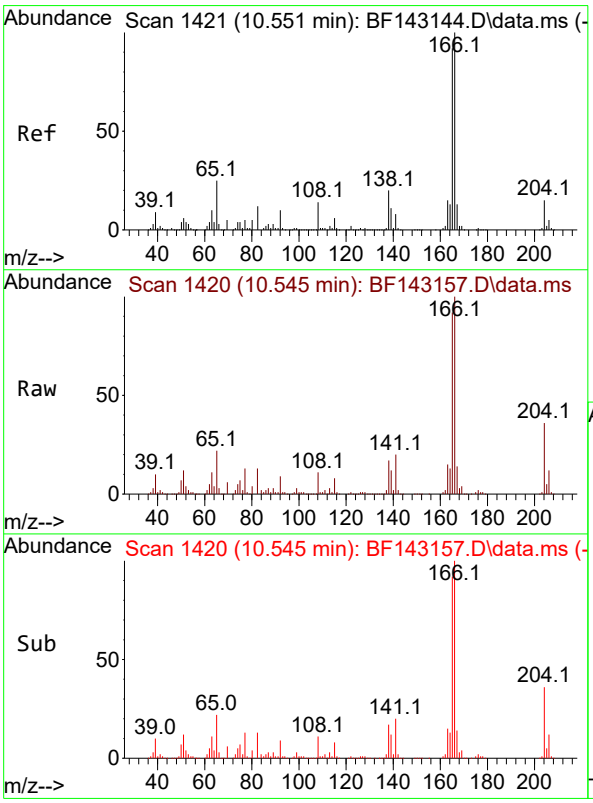
#57
2,4-Dinitrotoluene
Concen: 41.945 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 188181

Ion	Ratio	Lower	Upper
165	100		
63	49.3	41.0	61.4
89	73.7	61.1	91.7
182	3.1	2.3	3.5

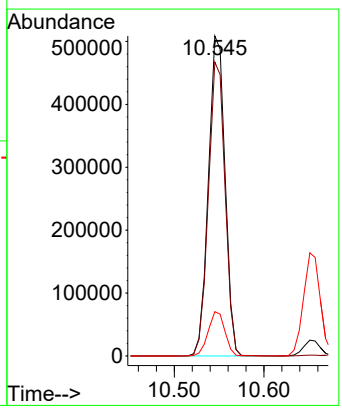


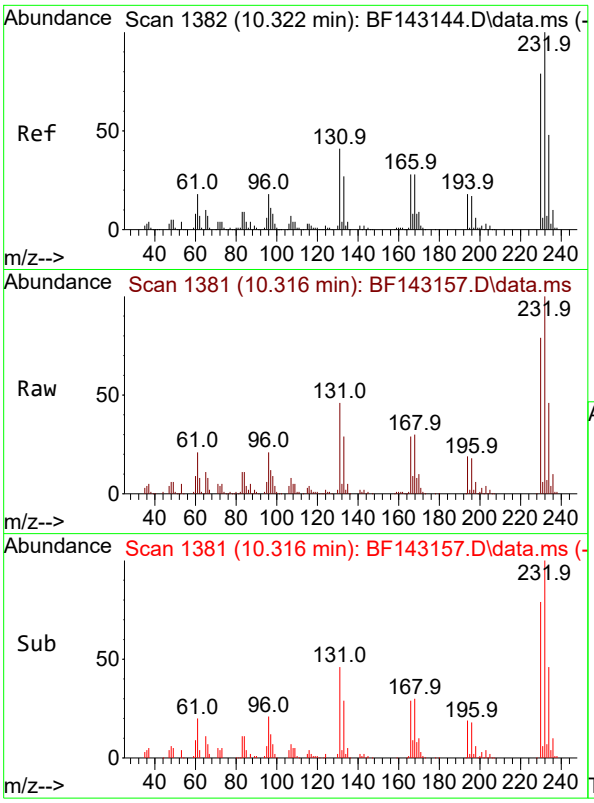


#58
Fluorene
Concen: 38.045 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:166 Resp: 653713

Ion	Ratio	Lower	Upper
166	100		
165	91.8	73.7	110.5
167	13.8	10.6	16.0



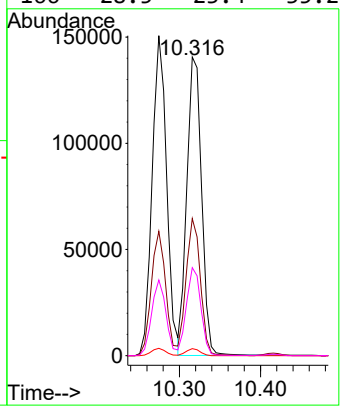


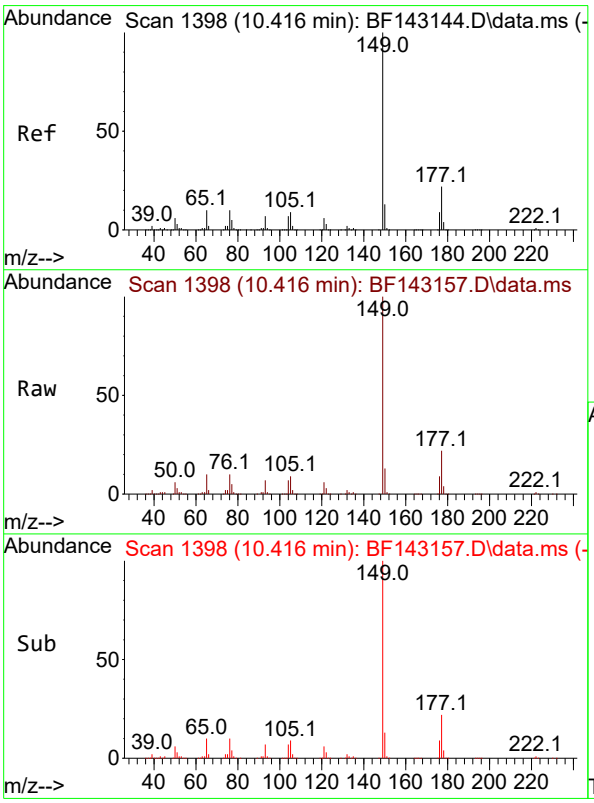
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.875 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 178038

Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.2	1.7	2.5
166	28.5	23.4	35.2

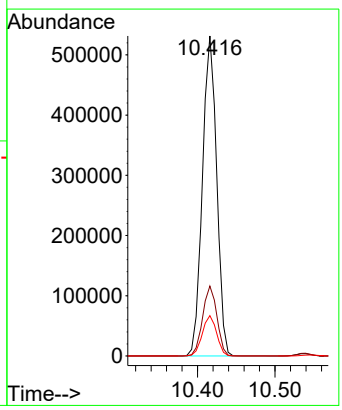


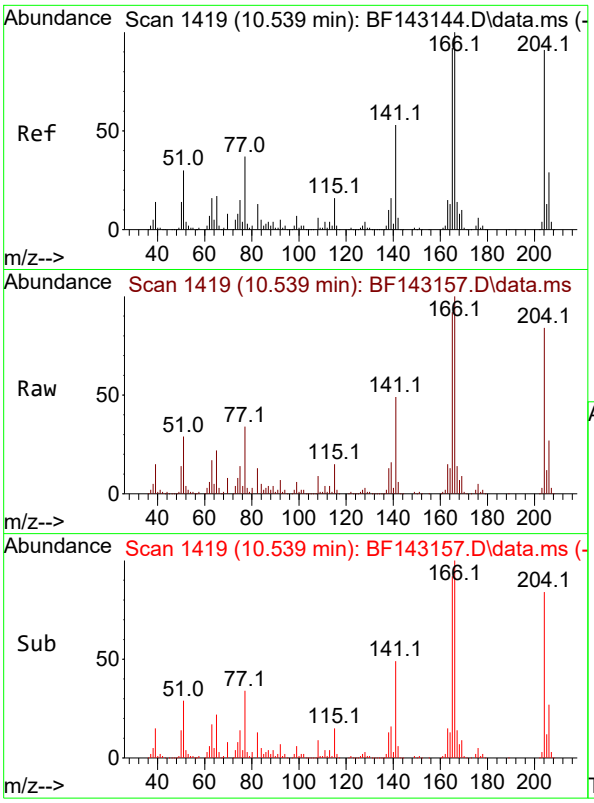


#60
Diethylphthalate
Concen: 39.088 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 679129

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.5	26.3
150	12.6	10.2	15.2



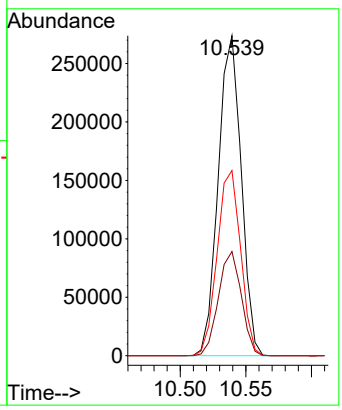


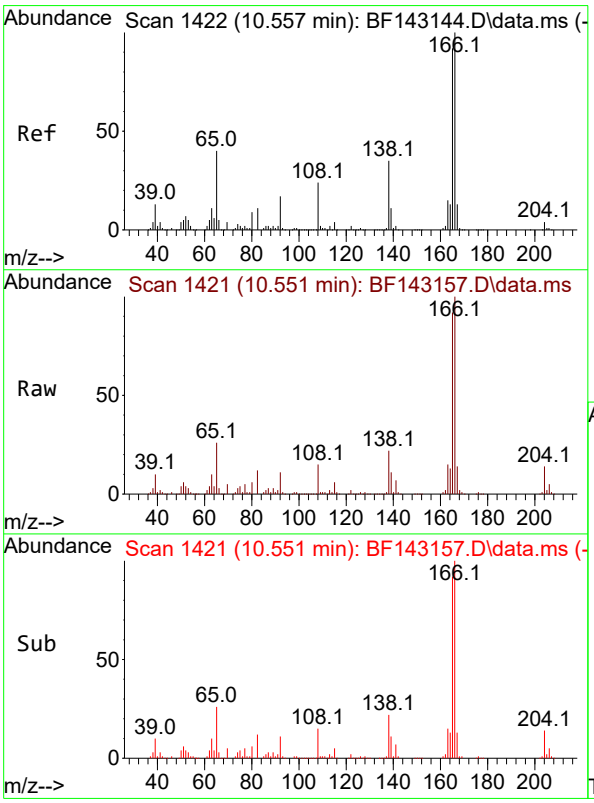
#61
4-Chlorophenyl-phenylether
Concen: 38.975 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 333465

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.8
141	57.8	47.0	70.4

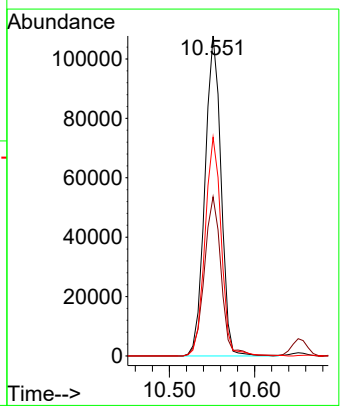


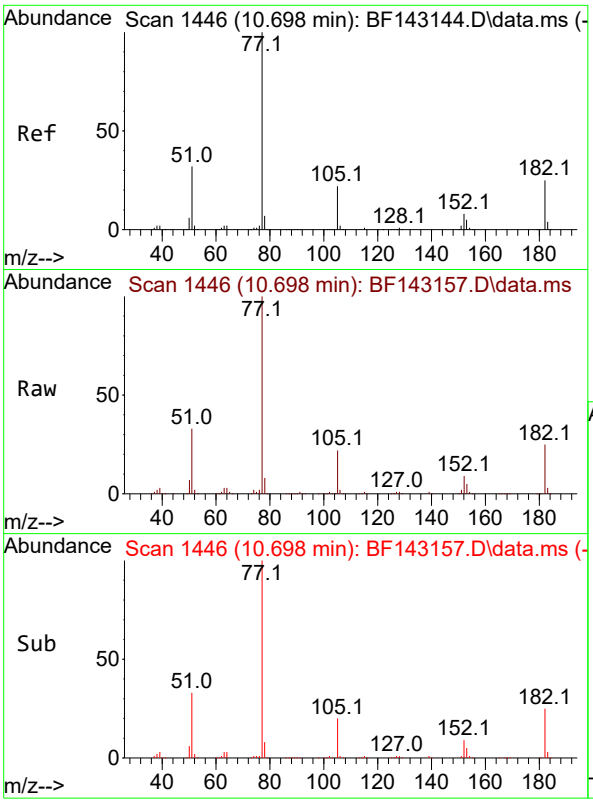


#62
4-Nitroaniline
Concen: 39.478 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:138 Resp: 141515

Ion	Ratio	Lower	Upper
138	100		
92	49.7	29.3	69.3
108	68.4	48.3	88.3



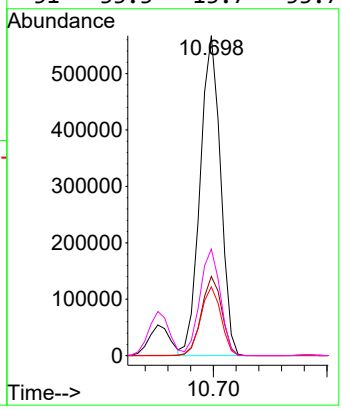


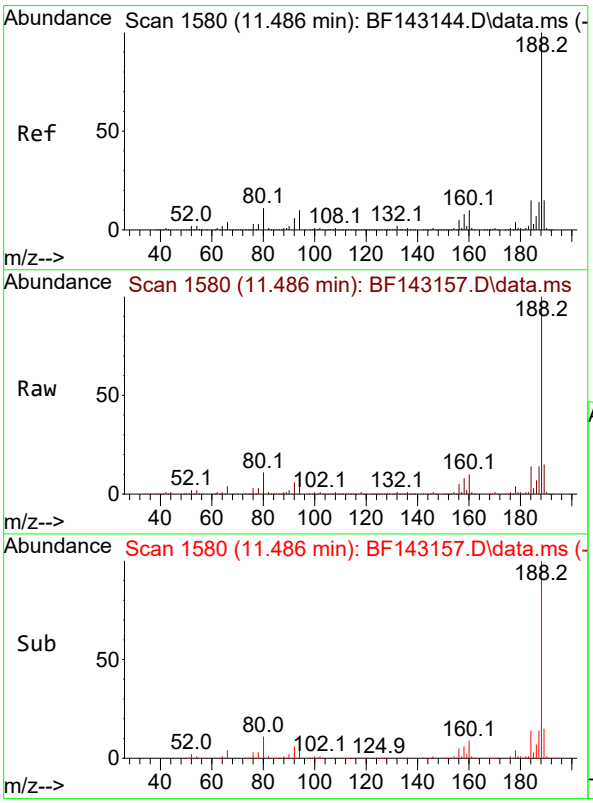
#63
Azobenzene
Concen: 38.986 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 705944

Ion	Ratio	Lower	Upper
77	100		
182	24.8	4.6	44.6
105	21.5	1.4	41.4
51	33.3	13.7	53.7

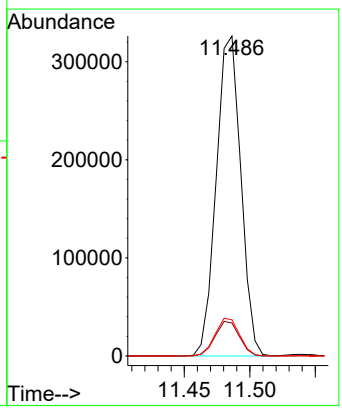


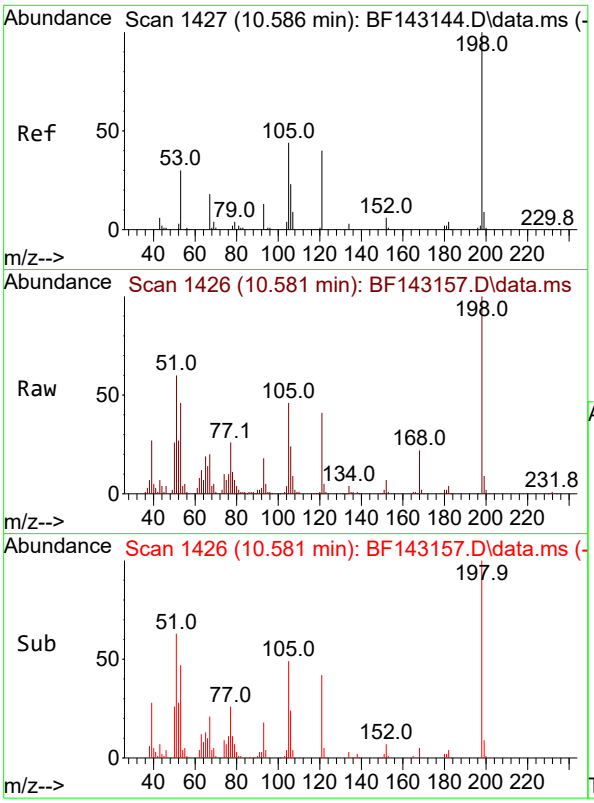


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:188 Resp: 425499

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.3	12.5
80	11.3	9.0	13.6



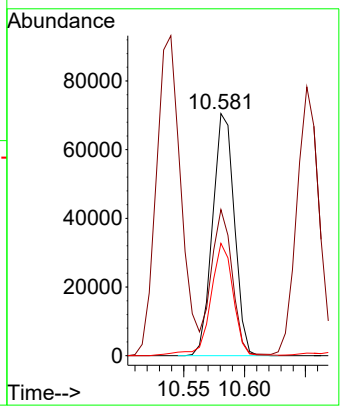


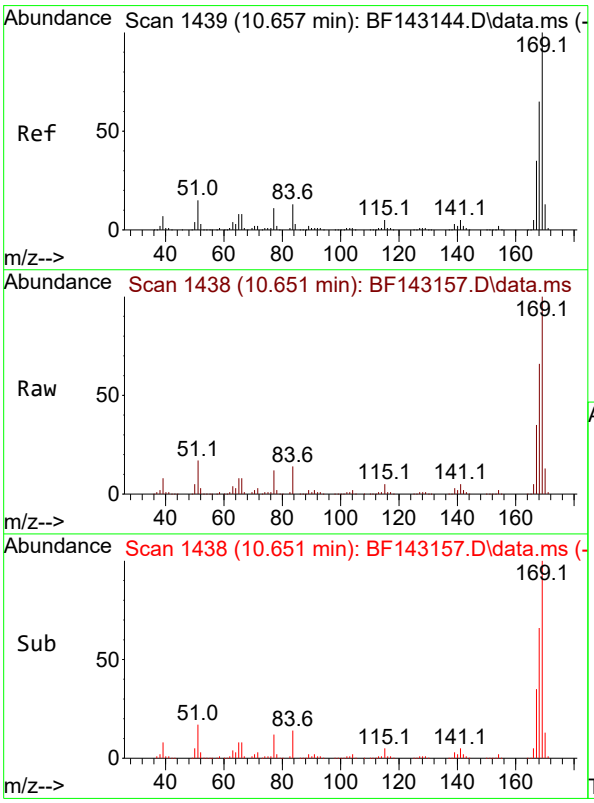
#65
4,6-Dinitro-2-methylphenol
Concen: 40.354 ng
RT: 10.581 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 87846

Ion	Ratio	Lower	Upper
198	100		
51	60.4	37.2	77.2
105	46.4	24.8	64.8

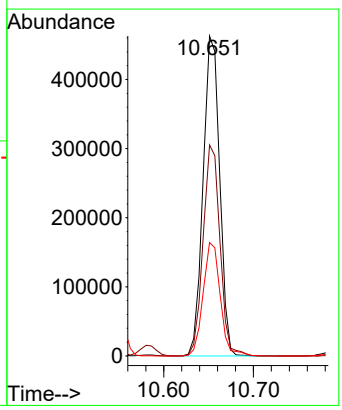


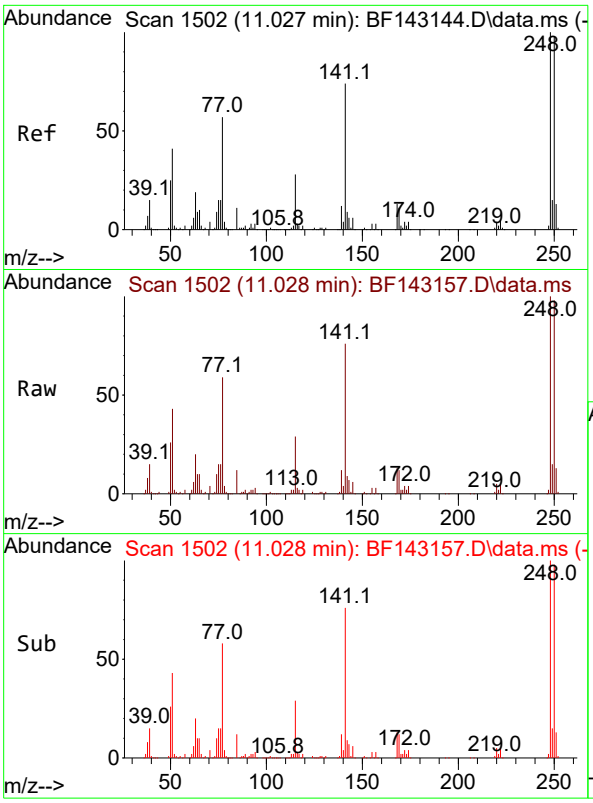


#66
n-Nitrosodiphenylamine
Concen: 39.557 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:169 Resp: 592682

Ion	Ratio	Lower	Upper
169	100		
168	65.9	52.1	78.1
167	35.5	28.2	42.2



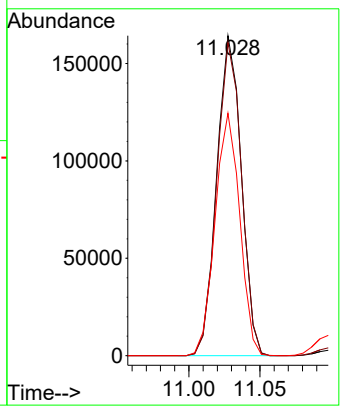


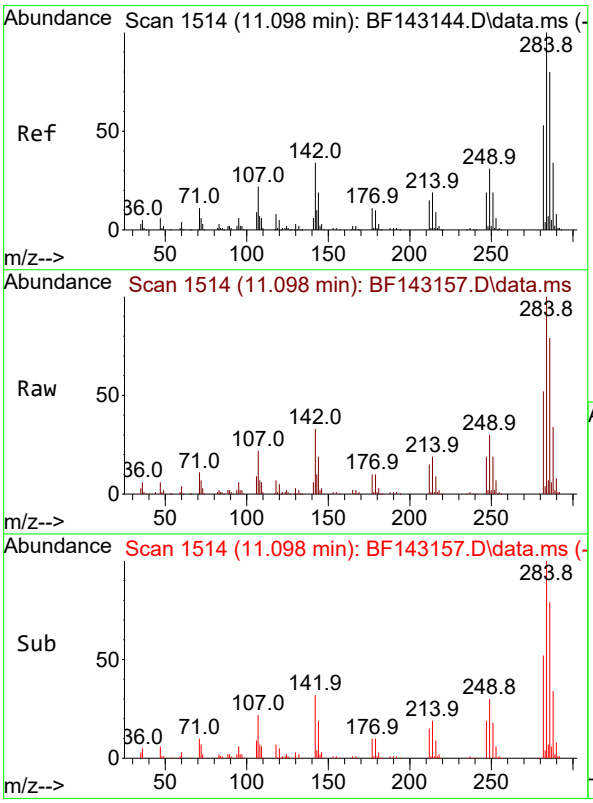
#67
4-Bromophenyl-phenylether
Concen: 39.069 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 198111

Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	75.7	59.2	88.8

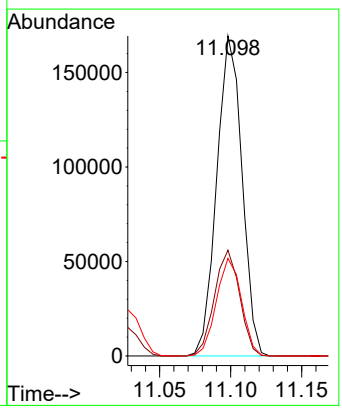


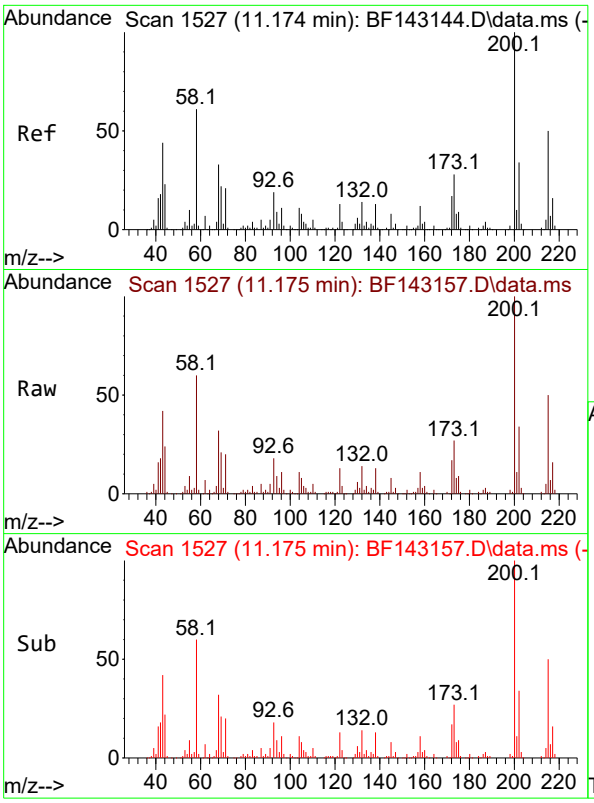


#68
Hexachlorobenzene
Concen: 39.472 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:284 Resp: 209203

Ion	Ratio	Lower	Upper
284	100		
142	33.1	27.0	40.6
249	30.5	25.0	37.6



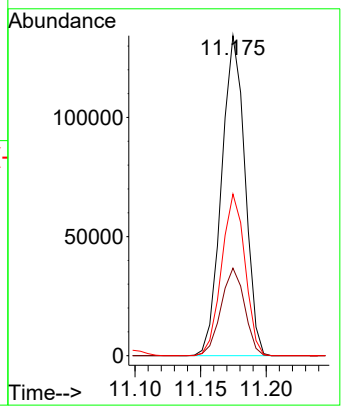


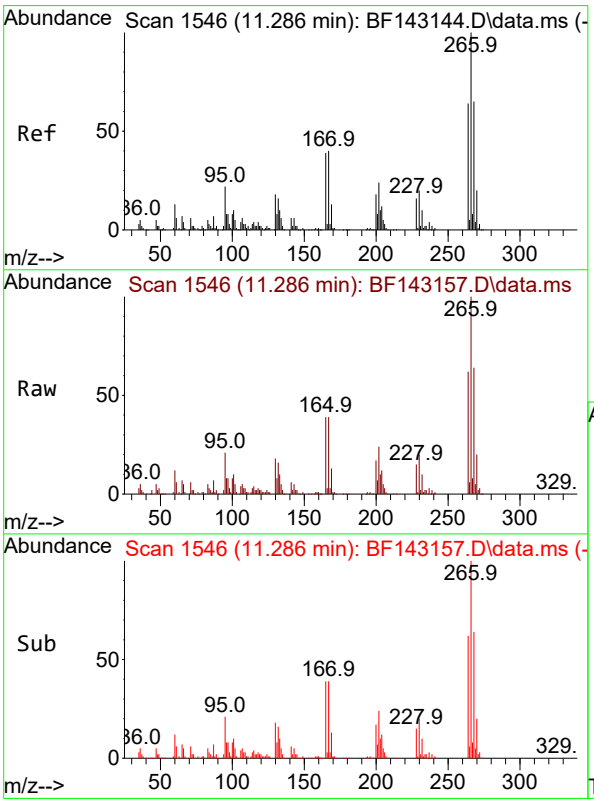
#69
Atrazine
Concen: 40.279 ng
RT: 11.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 166380

Ion	Ratio	Lower	Upper
200	100		
173	27.3	7.9	47.9
215	50.5	30.1	70.1

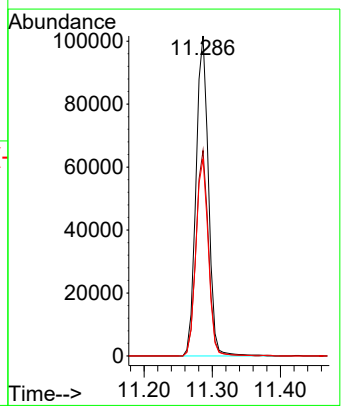


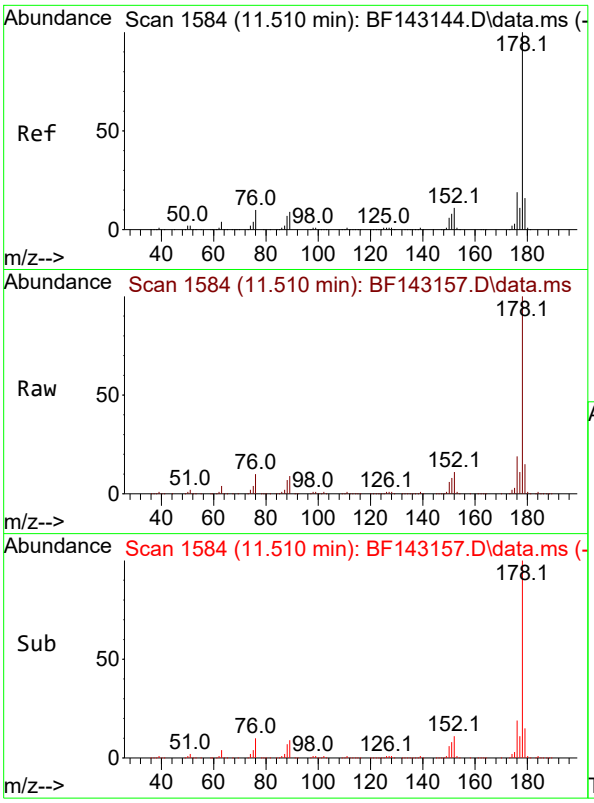


#70
Pentachlorophenol
Concen: 41.309 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:266 Resp: 128754

Ion	Ratio	Lower	Upper
266	100		
268	64.2	51.9	77.9
264	61.6	51.0	76.6



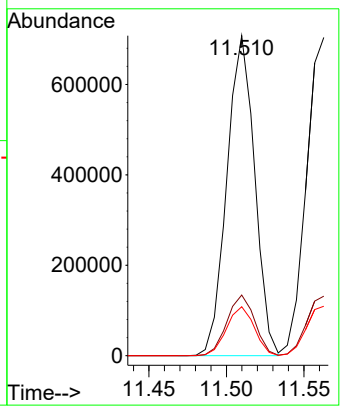


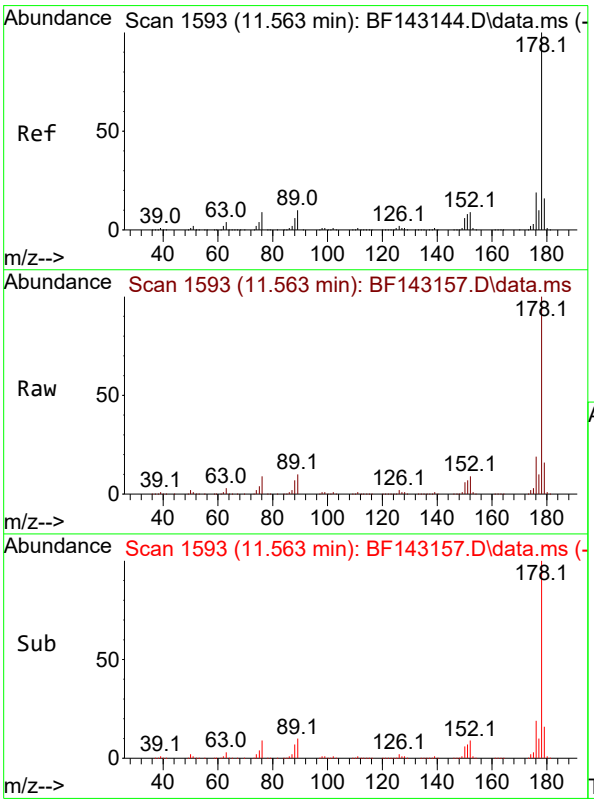
#71
Phenanthrene
Concen: 39.066 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 882612

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.5	18.7

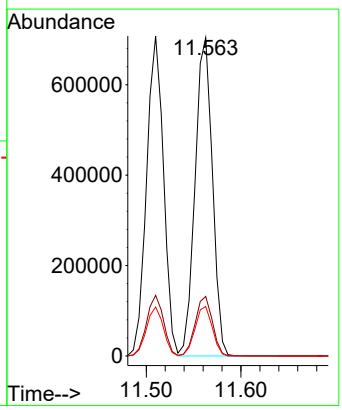


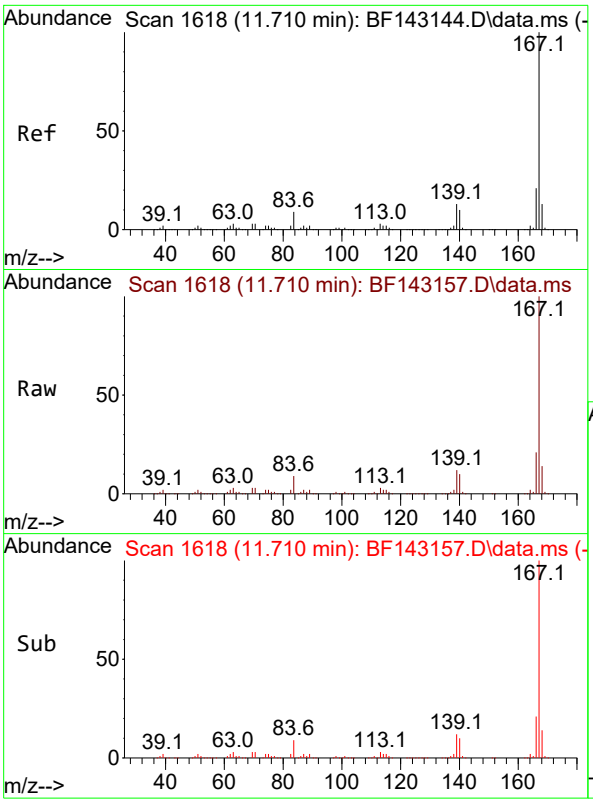


#72
Anthracene
Concen: 38.898 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:178 Resp: 896290

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.5	12.5	18.7



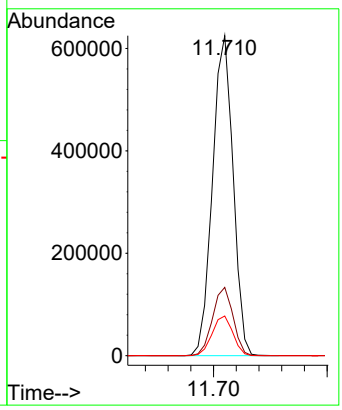


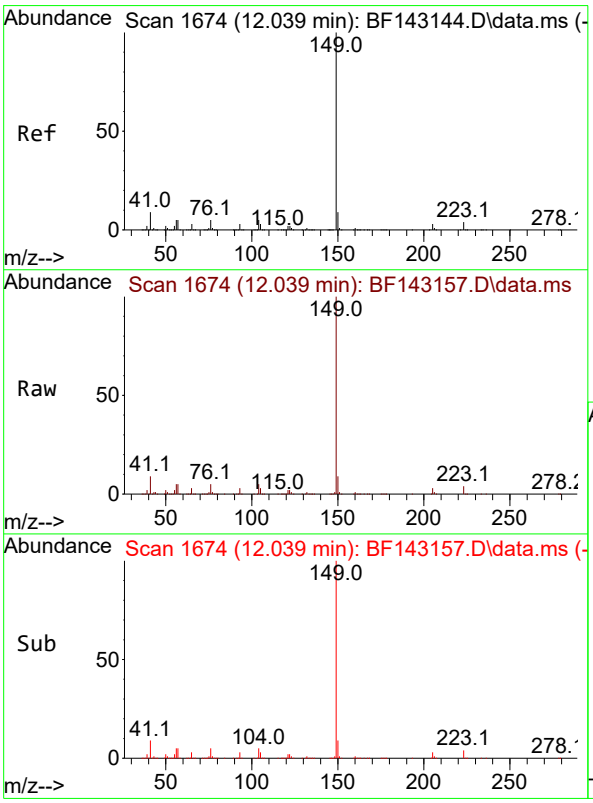
#73
Carbazole
Concen: 39.121 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 787128

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.4	10.0	15.0

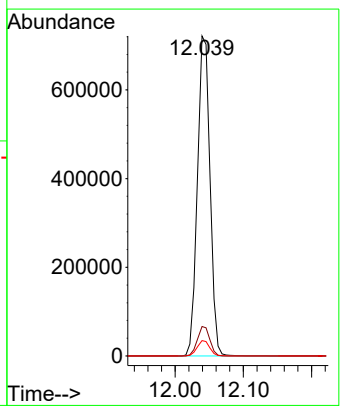


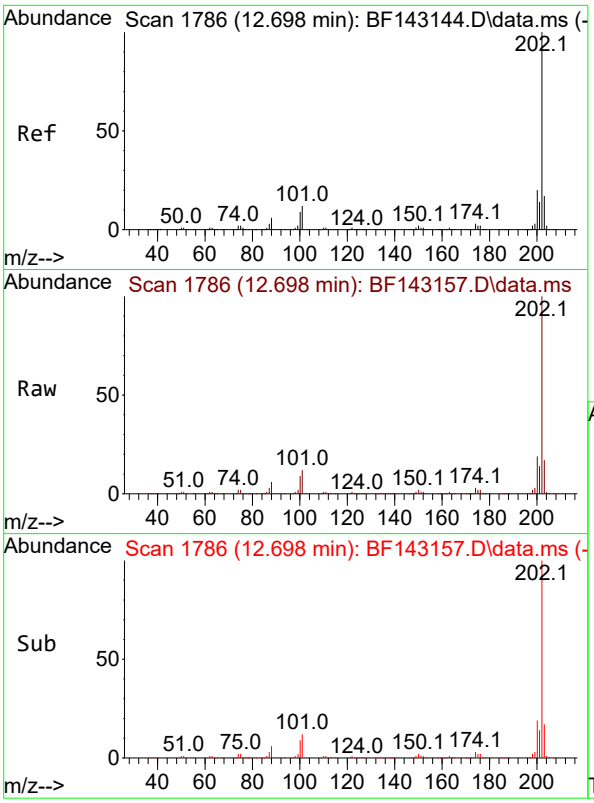


#74
Di-n-butylphthalate
Concen: 40.539 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 922904

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.8	3.8	5.8



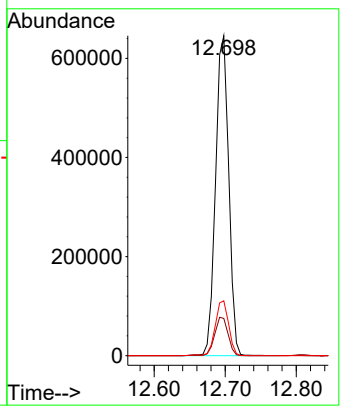


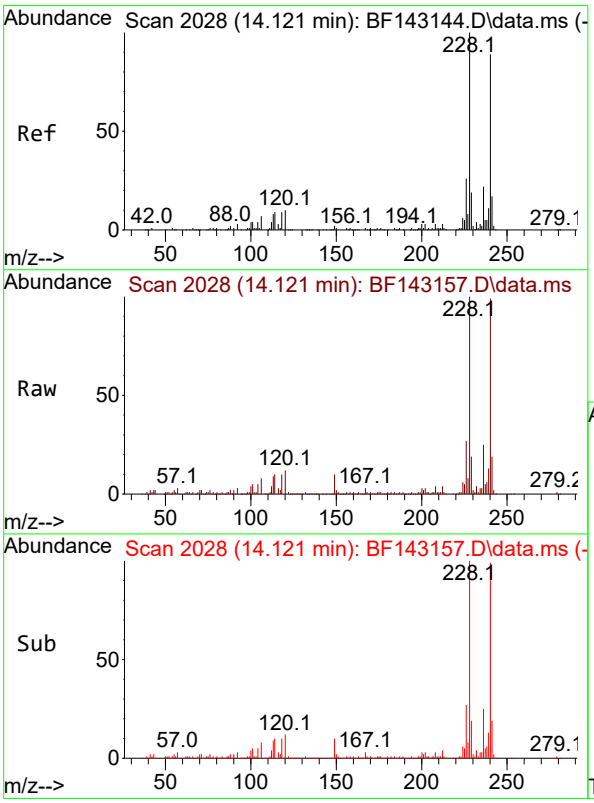
#75
Fluoranthene
Concen: 39.910 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 827620

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.2	0.0	37.4

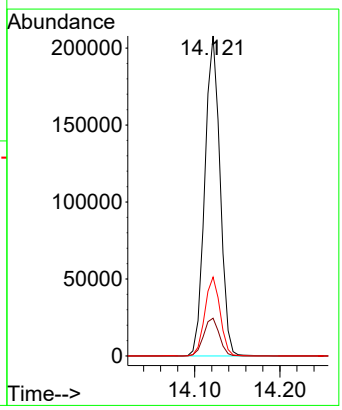


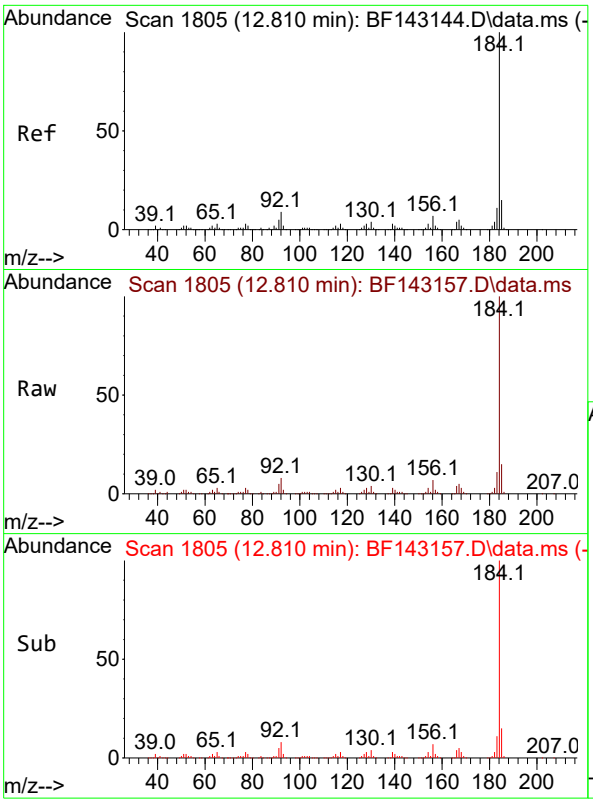


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:240 Resp: 257557

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.4	14.2
236	24.7	20.2	30.4



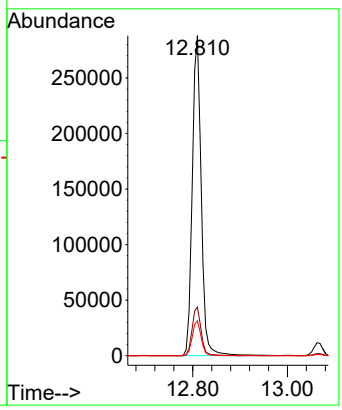


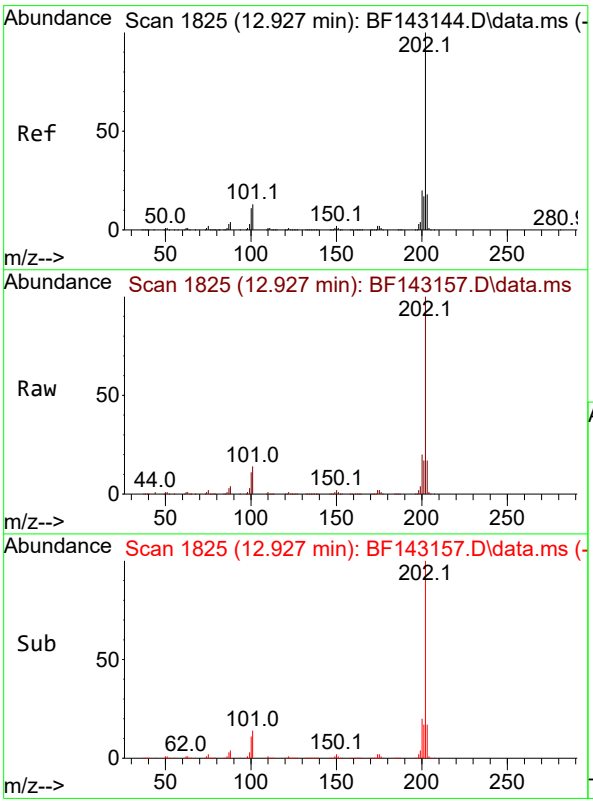
#77
Benzidine
Concen: 38.169 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 378753

Ion	Ratio	Lower	Upper
184	100		
185	15.2	12.2	18.4
183	10.9	9.0	13.4

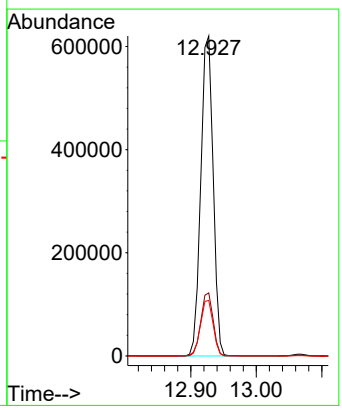


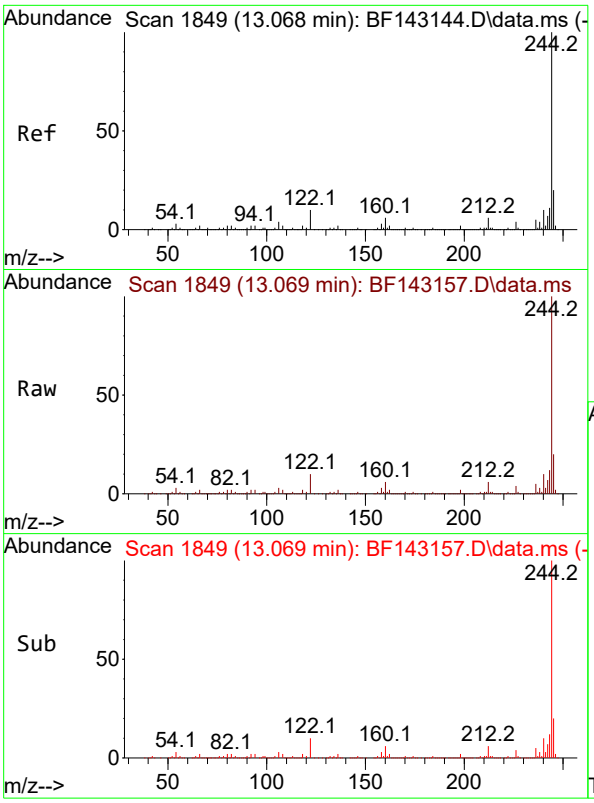


#78
Pyrene
Concen: 37.150 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:202 Resp: 816607

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.4	14.2	21.2



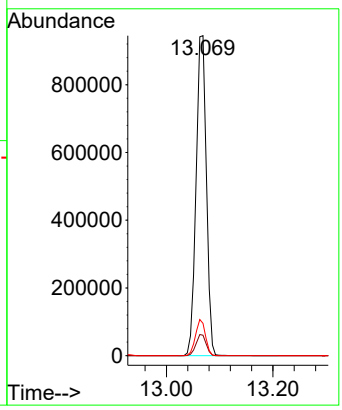


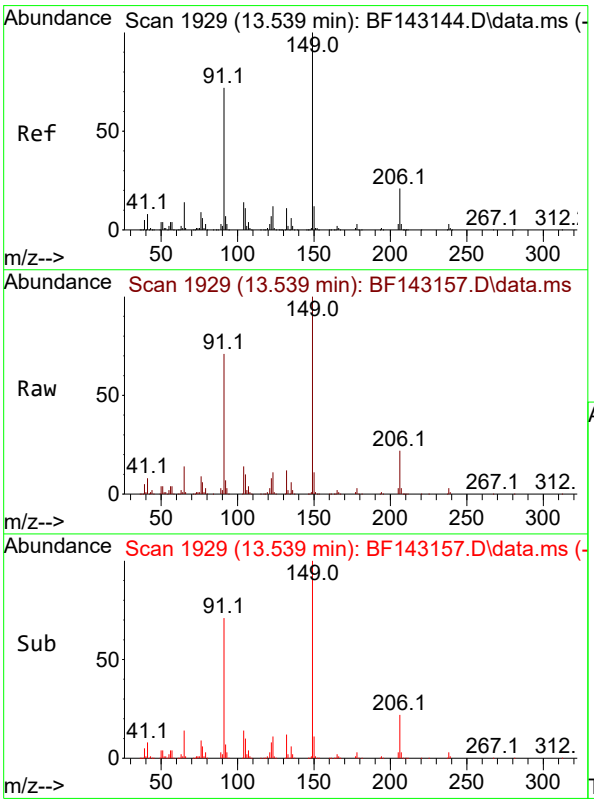
#79
Terphenyl-d14
Concen: 73.478 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1271733

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.1	8.2	12.2

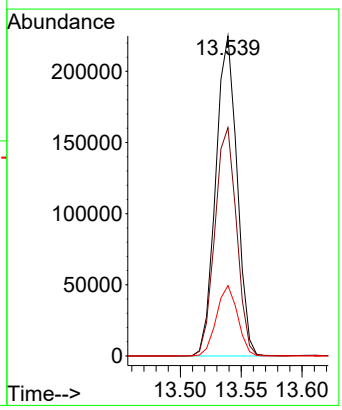


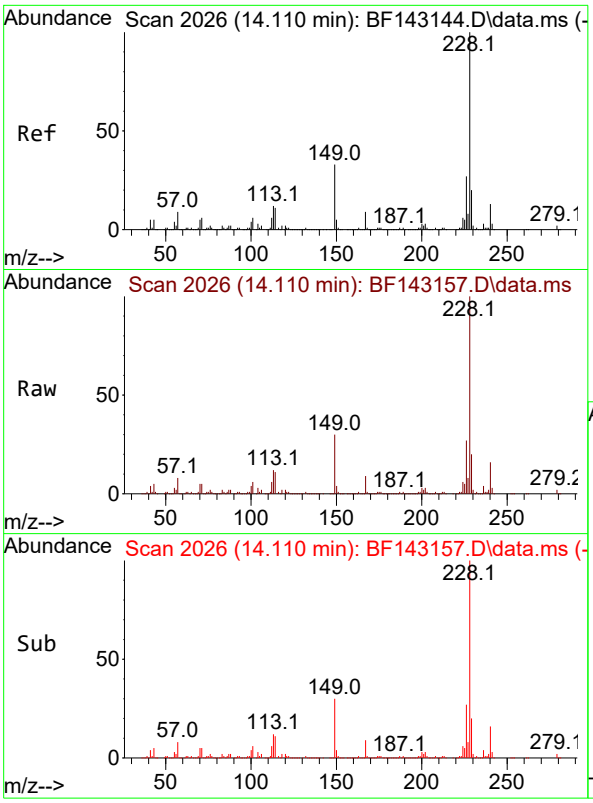


#80
Butylbenzylphthalate
Concen: 40.736 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 274194

Ion	Ratio	Lower	Upper
149	100		
91	71.3	57.9	86.9
206	22.0	17.0	25.4



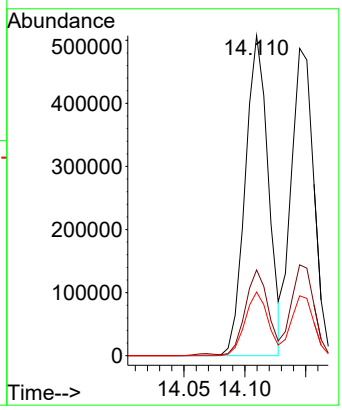


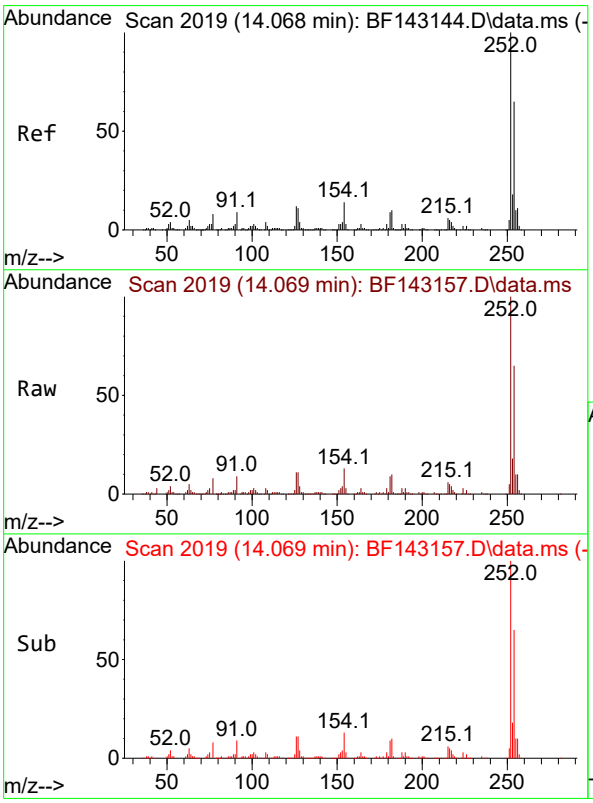
#81
Benzo(a)anthracene
Concen: 38.779 ng
RT: 14.110 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 668691

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.9	15.8	23.6

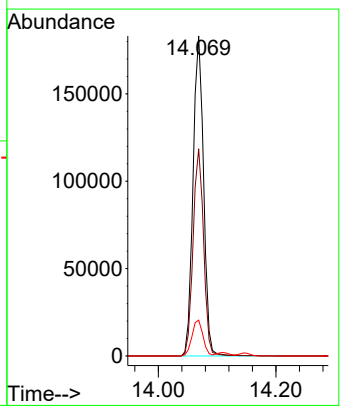


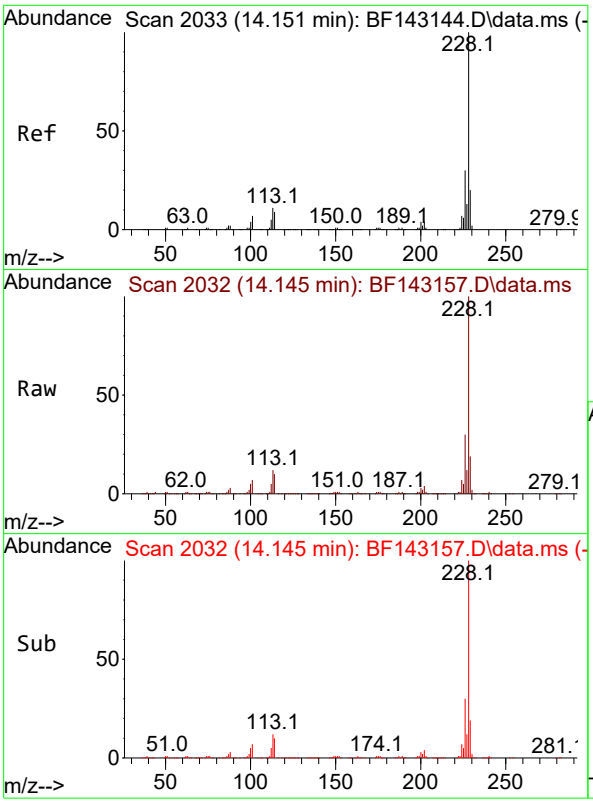


#82
3,3'-Dichlorobenzidine
Concen: 39.609 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 227633

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.2	9.4	14.0



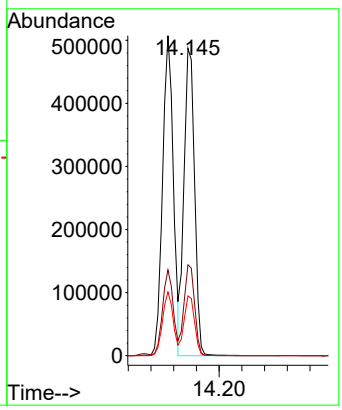


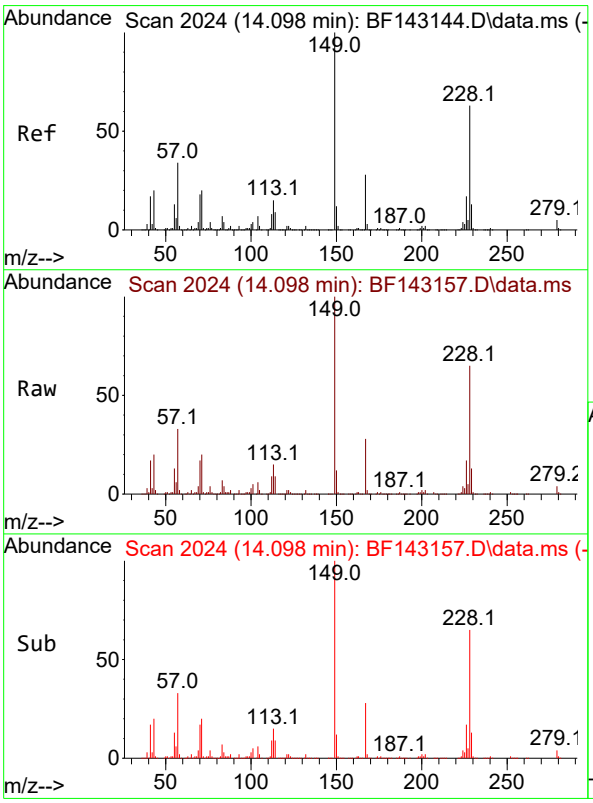
#83
Chrysene
Concen: 40.721 ng
RT: 14.145 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 631314

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	19.5	15.6	23.4

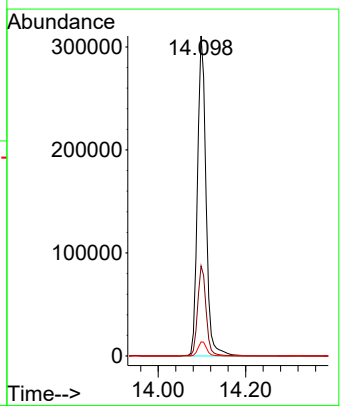


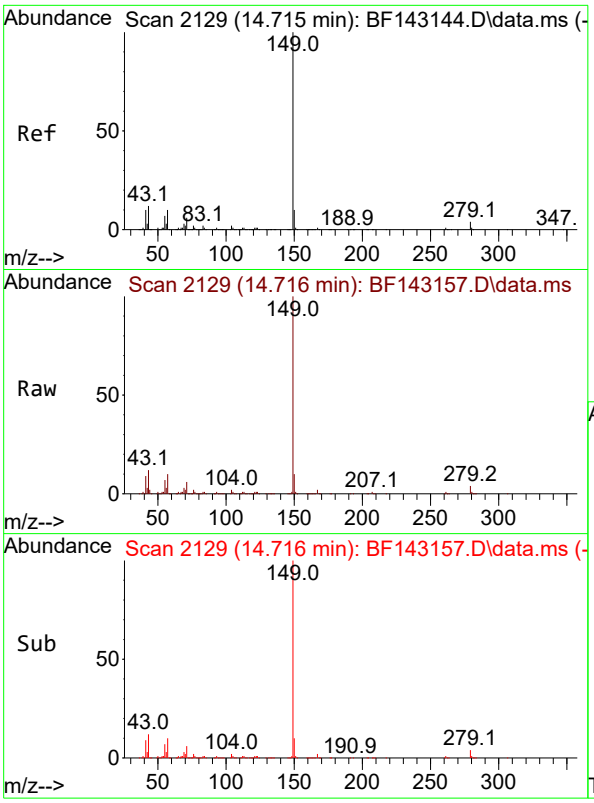


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.499 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:149 Resp: 422788

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.4	3.6	5.4



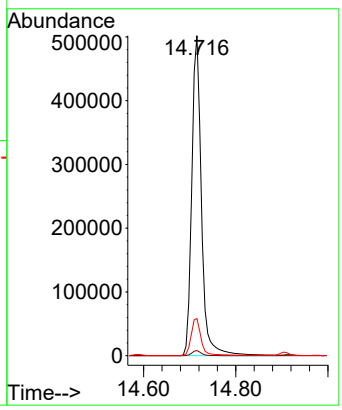


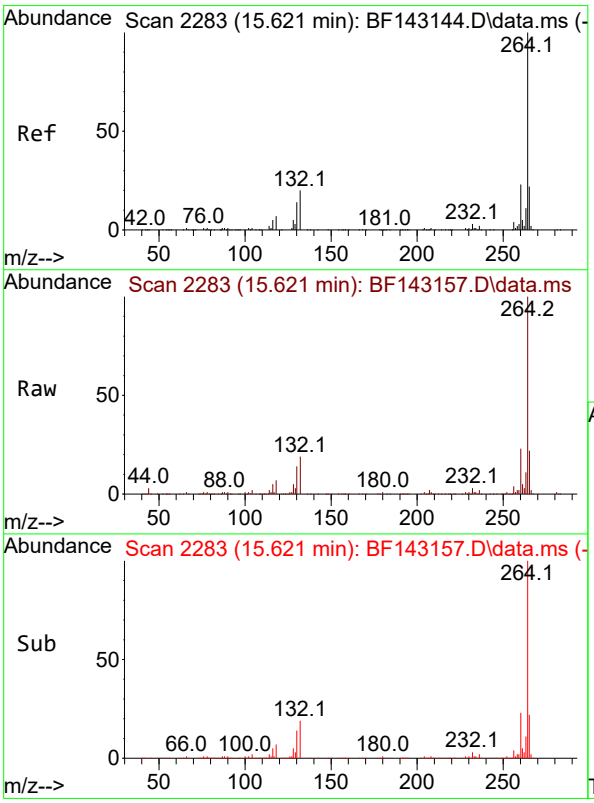
#85
Di-n-octyl phthalate
Concen: 39.529 ng
RT: 14.716 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 729985

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.0	9.7	14.5

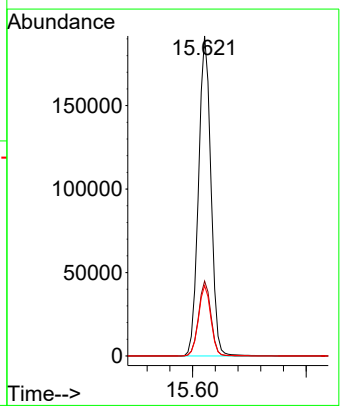


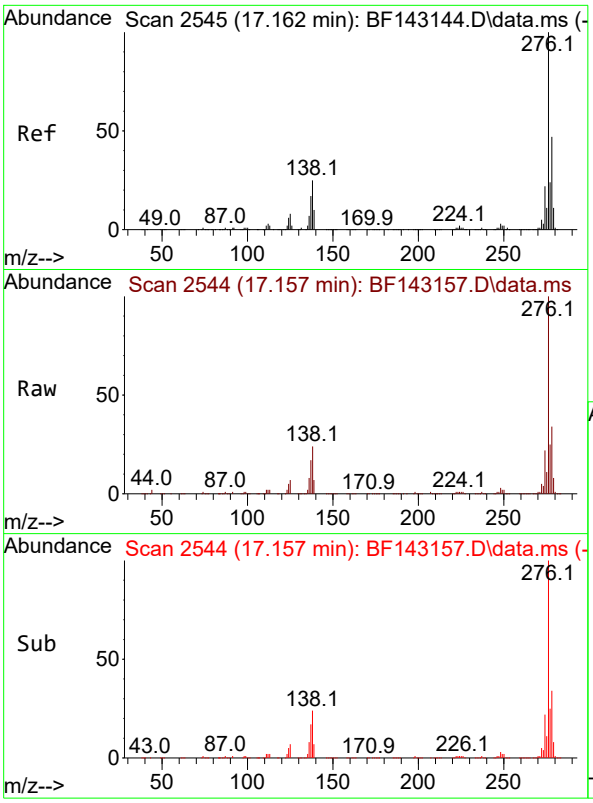


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:264 Resp: 290483

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.0	17.4	26.2



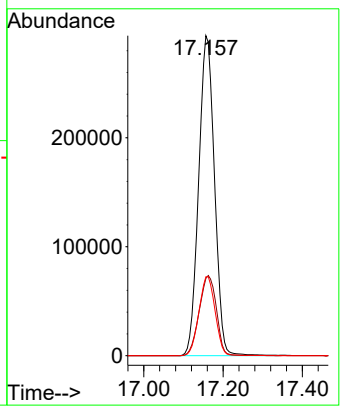


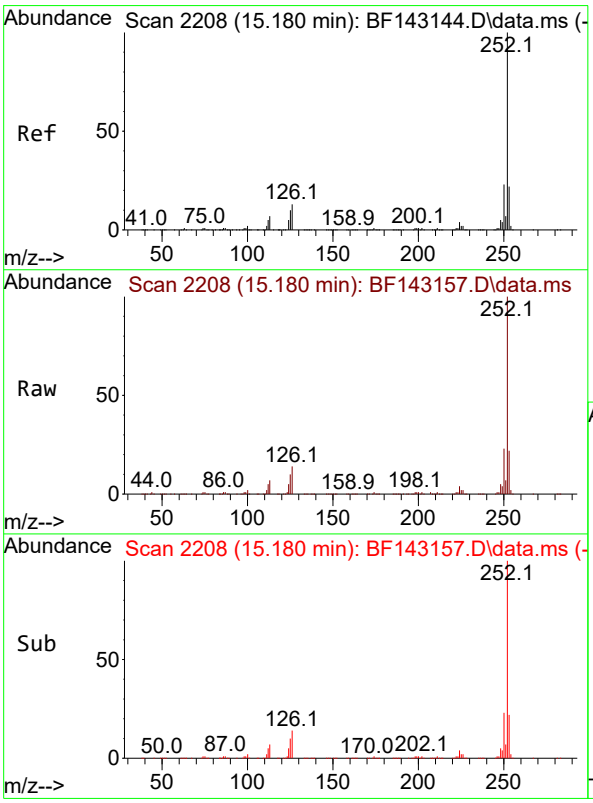
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.776 ng
RT: 17.157 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 814736

Ion	Ratio	Lower	Upper
276	100		
138	27.0	21.8	32.6
277	25.3	20.0	30.0

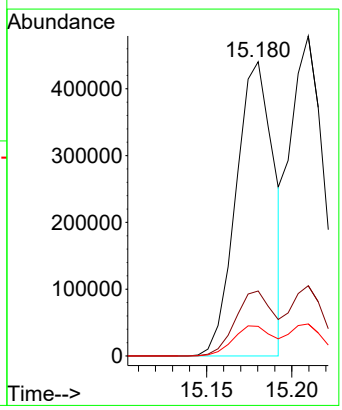


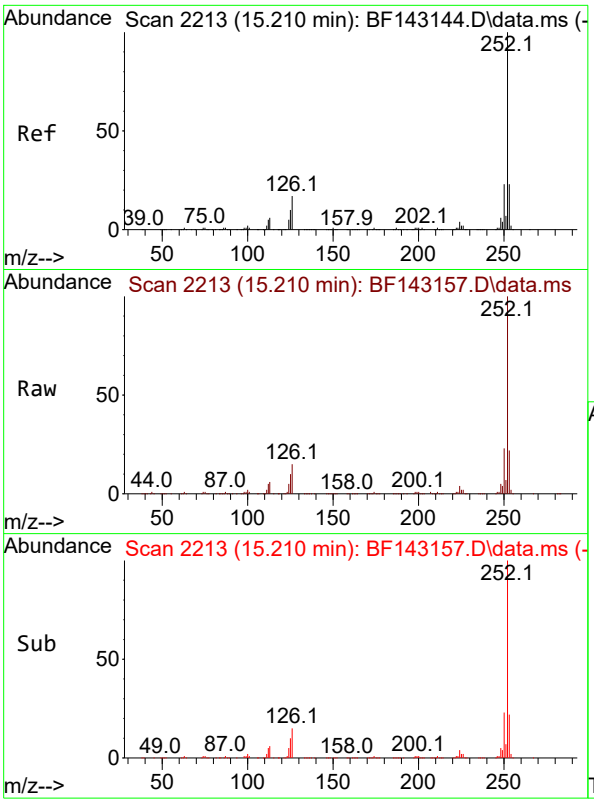


#88
Benzo(b)fluoranthene
Concen: 38.184 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 677603

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.1	8.0	12.0



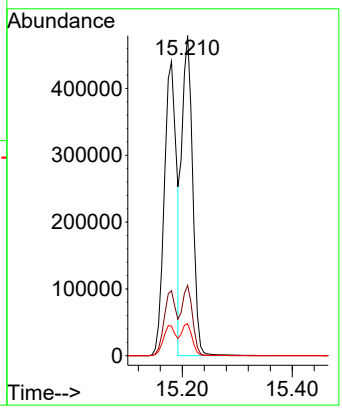


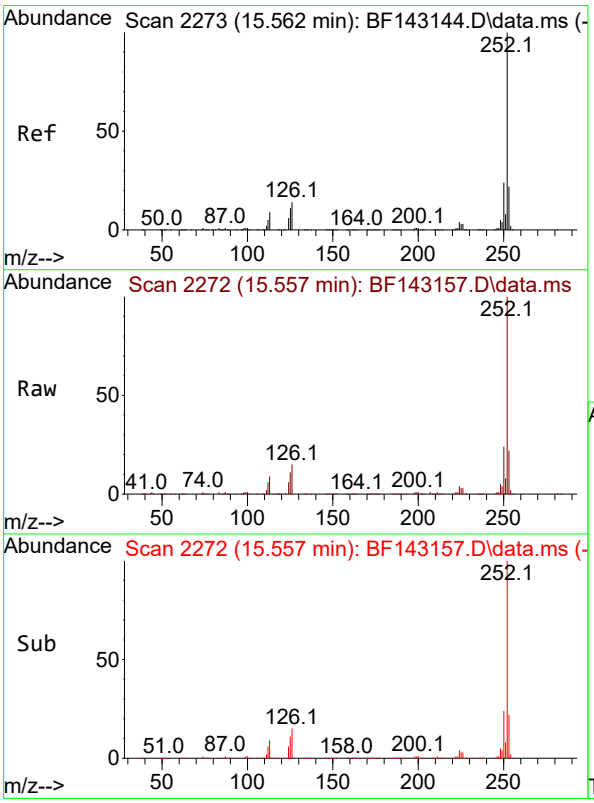
#89
Benzo(k)fluoranthene
Concen: 41.247 ng
RT: 15.210 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 653171

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.0	8.1	12.1

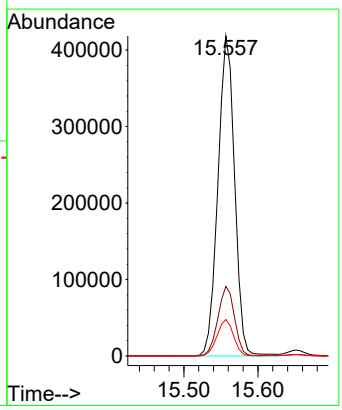


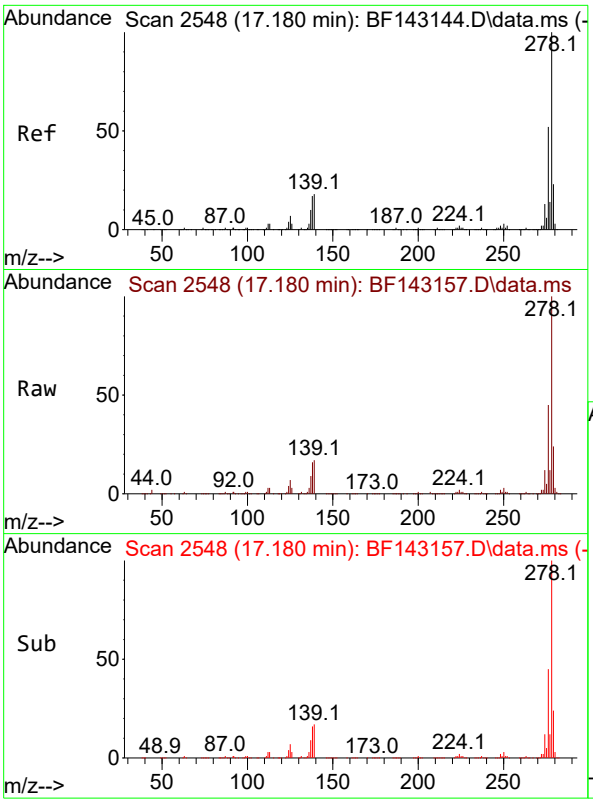


#90
Benzo(a)pyrene
Concen: 40.042 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:252 Resp: 654692

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	11.4	8.6	13.0



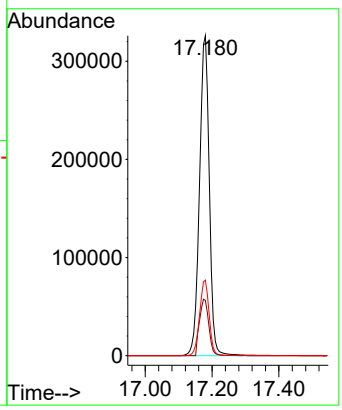


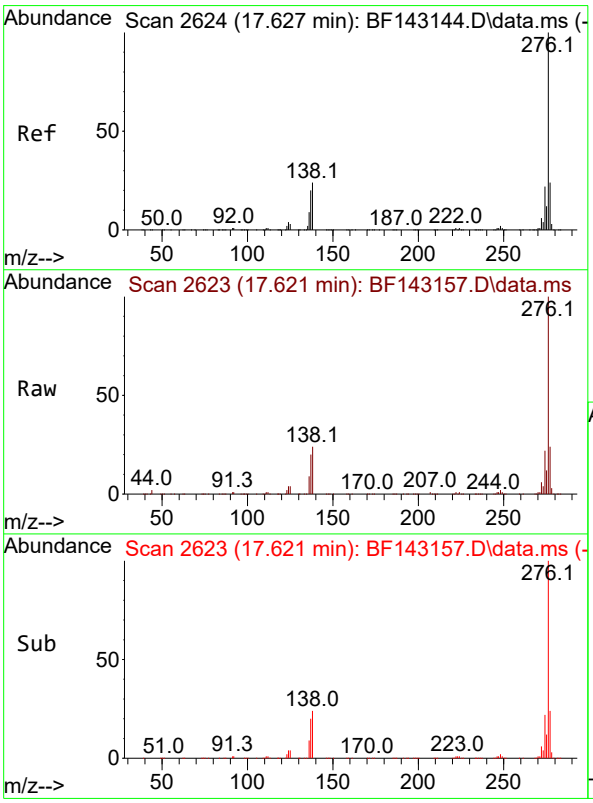
#91
Dibenzo(a,h)anthracene
Concen: 39.916 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 665474

Ion	Ratio	Lower	Upper
278	100		
139	17.3	14.1	21.1
279	23.6	18.6	28.0

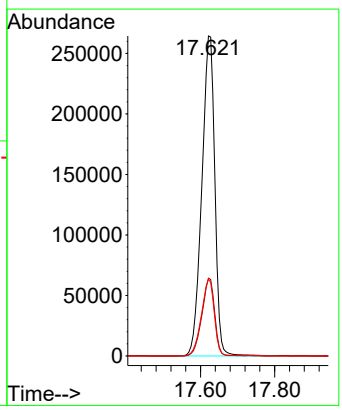




#92
Benzo(g,h,i)perylene
Concen: 39.950 ng
RT: 17.621 min Scan# 2623
Delta R.T. -0.006 min
Lab File: BF143157.D
Acq: 17 Jul 2025 19:37

Tgt Ion:276 Resp: 644277

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.1	28.7
138	24.0	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143179.D
Acq On : 22 Jul 2025 09:44
Operator : RC/JU
Sample : PB168813BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Quant Time: Jul 22 19:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	148818	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	576425	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	308303	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	540032	20.000	ng		0.00
76) Chrysene-d12	14.127	240	276421	20.000	ng		0.00
86) Perylene-d12	15.633	264	278917	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	1067004	113.460	ng		0.02
7) Phenol-d6	6.593	99	1361825	115.049	ng		0.00
23) Nitrobenzene-d5	7.522	82	944398	81.668	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	419377	131.675	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1670652	74.110	ng		0.00
79) Terphenyl-d14	13.075	244	1659178	89.322	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.934	88	161464	36.285	ng		99
3) Pyridine	3.675	79	446109	38.625	ng		99
4) n-Nitrosodimethylamine	3.622	42	262477	44.016	ng		100
6) Aniline	6.622	93	556846	33.754	ng		96
8) 2-Chlorophenol	6.751	128	439078	44.542	ng		98
9) Benzaldehyde	6.510	77	304356	34.290	ng		98
10) Phenol	6.604	94	576816	44.731	ng		94
11) bis(2-Chloroethyl)ether	6.693	93	430148	43.567	ng		100
12) 1,3-Dichlorobenzene	6.910	146	456124	42.595	ng		99
13) 1,4-Dichlorobenzene	6.981	146	460379	42.691	ng		100
14) 1,2-Dichlorobenzene	7.134	146	447172	43.597	ng		99
15) Benzyl Alcohol	7.098	79	412922	45.687	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	811805	44.324	ng		99
17) 2-Methylphenol	7.210	107	370529	44.705	ng		100
18) Hexachloroethane	7.481	117	165860	44.428	ng		98
19) n-Nitroso-di-n-propyla...	7.375	70	331784	43.689	ng		99
20) 3+4-Methylphenols	7.363	107	444798	44.232	ng	#	83
22) Acetophenone	7.369	105	597065	43.751	ng		97
24) Nitrobenzene	7.540	77	487538	45.221	ng		99
25) Isophorone	7.781	82	924505	45.288	ng		99
26) 2-Nitrophenol	7.857	139	233949	50.000	ng		99
27) 2,4-Dimethylphenol	7.893	122	432302	45.326	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	546978	44.689	ng		100
29) 2,4-Dichlorophenol	8.098	162	367314	45.667	ng		98
30) 1,2,4-Trichlorobenzene	8.187	180	382623	44.032	ng		100
31) Naphthalene	8.269	128	1254290	44.183	ng		100
32) Benzoic acid	8.010	122	275604	50.943	ng		98
33) 4-Chloroaniline	8.304	127	196806	16.978	ng		99
34) Hexachlorobutadiene	8.387	225	232563	43.811	ng		99
35) Caprolactam	8.681	113	79999	32.914	ng		99
36) 4-Chloro-3-methylphenol	8.787	107	413921	47.346	ng		100
37) 2-Methylnaphthalene	8.957	142	773479	44.775	ng		100
38) 1-Methylnaphthalene	9.057	142	795535	44.722	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	372068	41.800	ng		99
41) Hexachlorocyclopentadiene	9.116	237	507942	87.703	ng		99
43) 2,4,6-Trichlorophenol	9.234	196	273909	44.464	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143179.D
Acq On : 22 Jul 2025 09:44
Operator : RC/JU
Sample : PB168813BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Quant Time: Jul 22 19:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

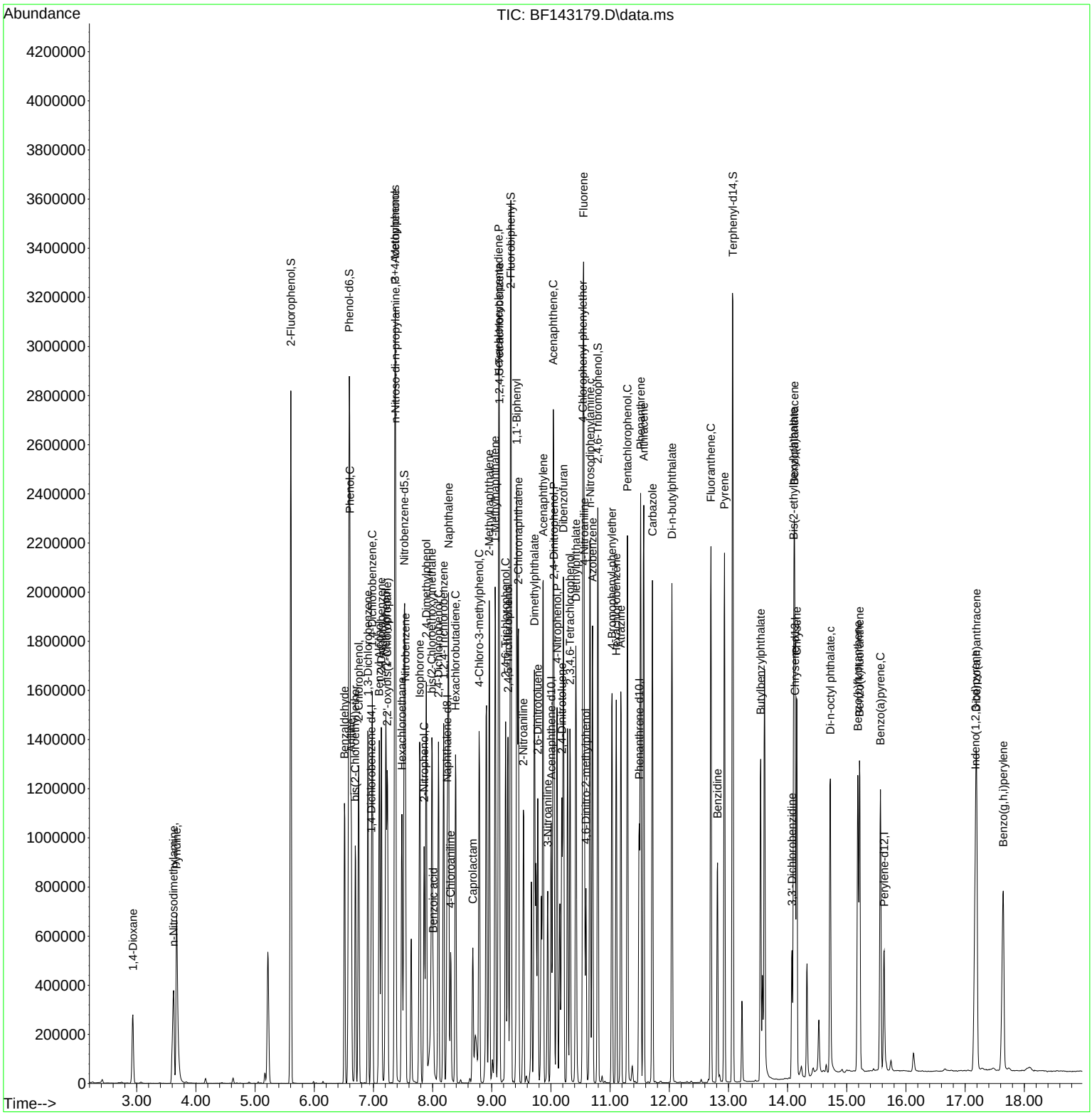
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	284651	46.193	ng		99
46) 1,1'-Biphenyl	9.422	154	1046849	43.521	ng		99
47) 2-Chloronaphthalene	9.451	162	765933	43.035	ng		99
48) 2-Nitroaniline	9.534	65	277706	49.756	ng		97
49) Acenaphthylene	9.869	152	1311787	43.980	ng		100
50) Dimethylphthalate	9.722	163	934025	46.478	ng		99
51) 2,6-Dinitrotoluene	9.781	165	204978	50.140	ng		98
52) Acenaphthene	10.039	154	858201	48.681	ng		97
53) 3-Nitroaniline	9.945	138	157455	32.928	ng		98
54) 2,4-Dinitrophenol	10.051	184	204107	107.647	ng	#	1
55) Dibenzofuran	10.210	168	1154840	44.122	ng		100
56) 4-Nitrophenol	10.104	139	364810	102.167	ng		98
57) 2,4-Dinitrotoluene	10.186	165	273950	53.412	ng		97
58) Fluorene	10.551	166	889443	45.279	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	247005	48.390	ng		99
60) Diethylphthalate	10.422	149	954021	48.030	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	437991	44.778	ng		98
62) 4-Nitroaniline	10.563	138	217627	53.103	ng		100
63) Azobenzene	10.704	77	968287	46.773	ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	134879	47.684	ng		98
66) n-Nitrosodiphenylamine	10.663	169	809593	42.574	ng		100
67) 4-Bromophenyl-phenylether	11.033	248	278455	43.267	ng		99
68) Hexachlorobenzene	11.104	284	292998	43.557	ng		98
69) Atrazine	11.181	200	257256	49.071	ng		99
70) Pentachlorophenol	11.292	266	369820	93.487	ng		99
71) Phenanthrene	11.516	178	1261416	43.992	ng		100
72) Anthracene	11.569	178	1274603	43.585	ng		100
73) Carbazole	11.716	167	1167519	45.721	ng		100
74) Di-n-butylphthalate	12.045	149	1413258	48.912	ng		100
75) Fluoranthene	12.704	202	1272502	48.349	ng		100
77) Benzidine	12.816	184	484143	45.460	ng		99
78) Pyrene	12.933	202	1245151	52.781	ng		99
80) Butylbenzylphthalate	13.545	149	419591	58.084	ng		98
81) Benzo(a)anthracene	14.116	228	834348	45.084	ng		100
82) 3,3'-Dichlorobenzidine	14.074	252	150923	24.469	ng		100
83) Chrysene	14.157	228	773845	46.508	ng		99
84) Bis(2-ethylhexyl)phtha...	14.104	149	542125	49.581	ng		100
85) Di-n-octyl phthalate	14.721	149	872909	44.043	ng		99
87) Indeno(1,2,3-cd)pyrene	17.174	276	901700	45.847	ng		99
88) Benzo(b)fluoranthene	15.186	252	805003	47.244	ng		99
89) Benzo(k)fluoranthene	15.216	252	670629	44.106	ng		99
90) Benzo(a)pyrene	15.568	252	726542	46.279	ng		100
91) Dibenzo(a,h)anthracene	17.192	278	727463	45.444	ng		99
92) Benzo(g,h,i)perylene	17.645	276	723992	46.754	ng		99

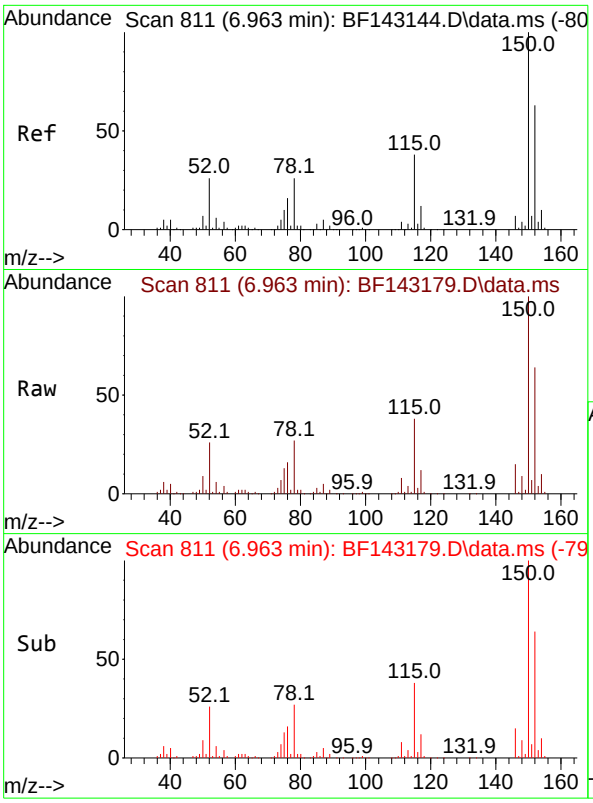
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143179.D
Acq On : 22 Jul 2025 09:44
Operator : RC/JU
Sample : PB168813BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Quant Time: Jul 22 19:45:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration



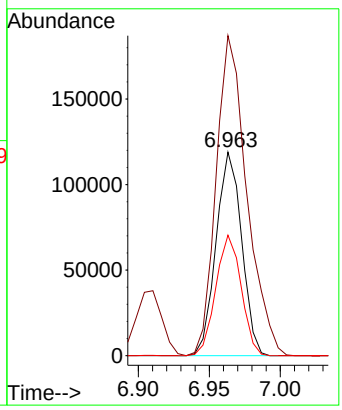


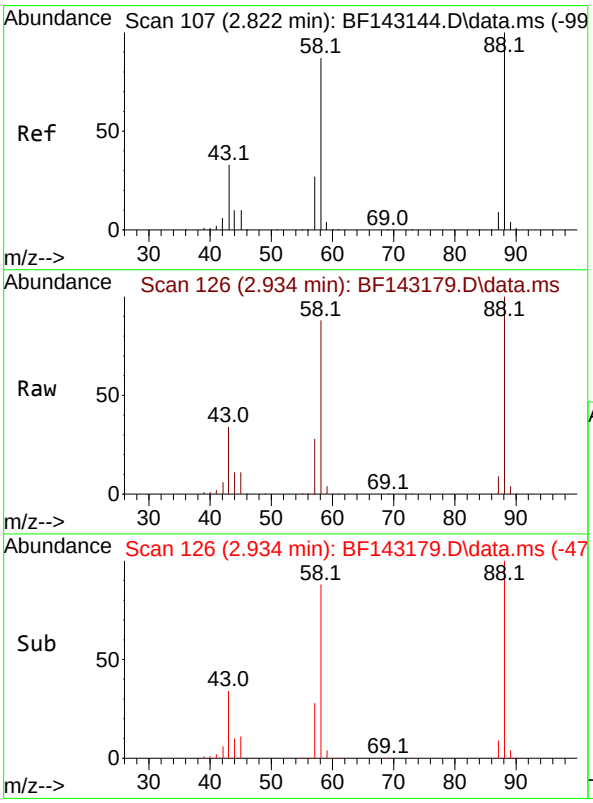
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:152 Resp: 148818

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.2	192.4
115	59.2	47.9	71.9

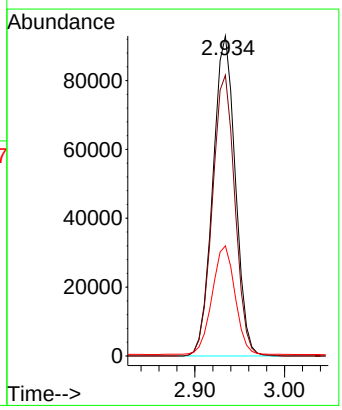


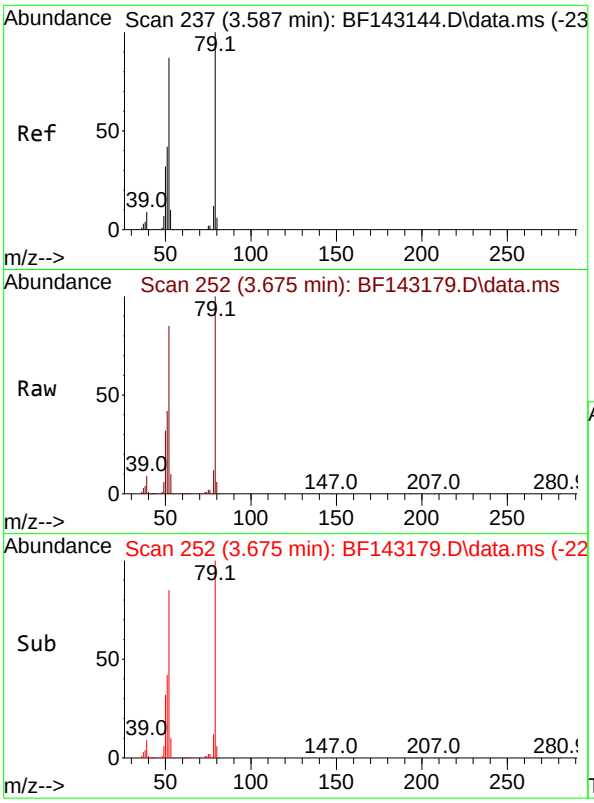


#2
1,4-Dioxane
Concen: 36.285 ng
RT: 2.934 min Scan# 126
Delta R.T. 0.112 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 88 Resp: 161464

Ion	Ratio	Lower	Upper
88	100		
58	88.2	70.2	105.2
43	35.0	27.1	40.7



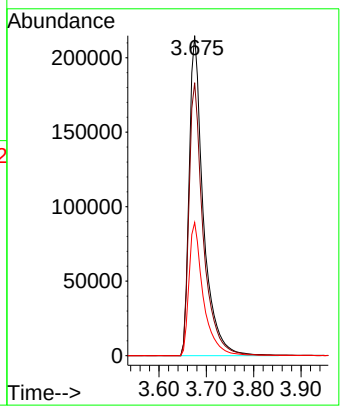


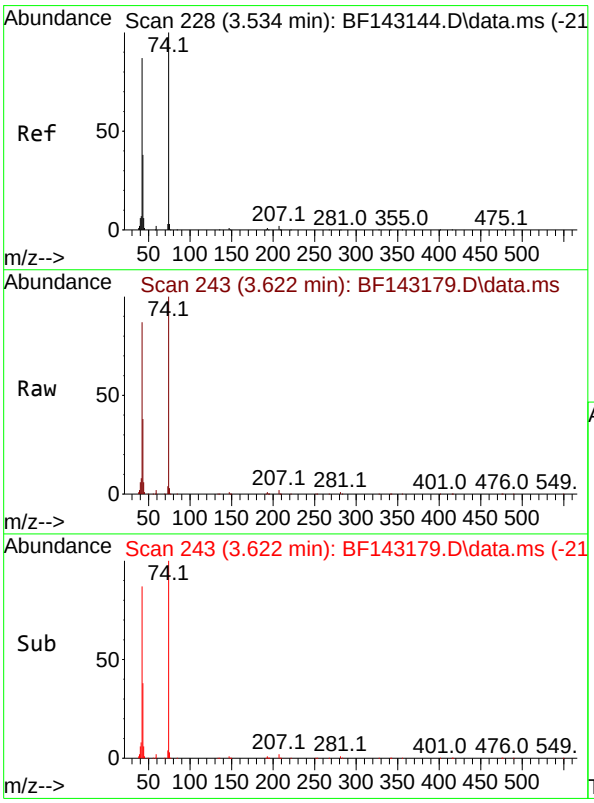
#3
Pyridine
Concen: 38.625 ng
RT: 3.675 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 79 Resp: 446109

Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.4	104.2
51	41.6	33.5	50.3

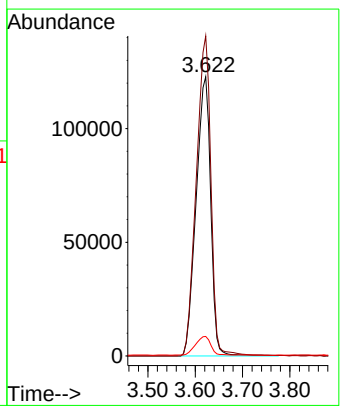


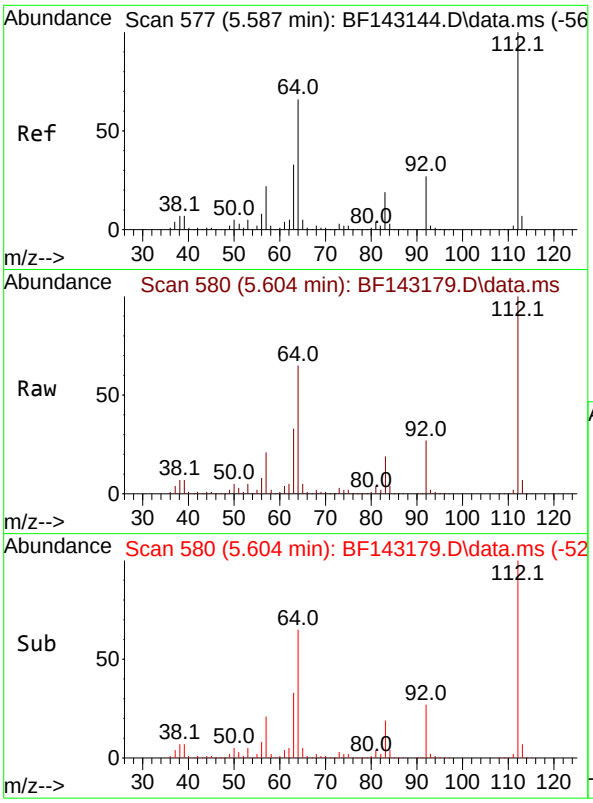


#4
n-Nitrosodimethylamine
Concen: 44.016 ng
RT: 3.622 min Scan# 243
Delta R.T. 0.088 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 42 Resp: 262477

Ion	Ratio	Lower	Upper
42	100		
74	114.6	91.7	137.5
44	7.0	5.6	8.4



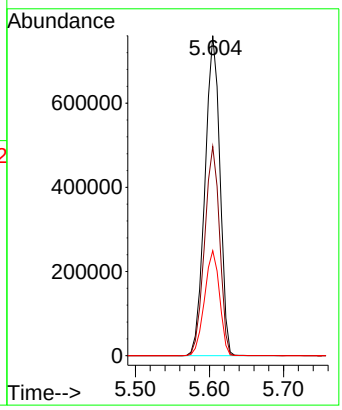


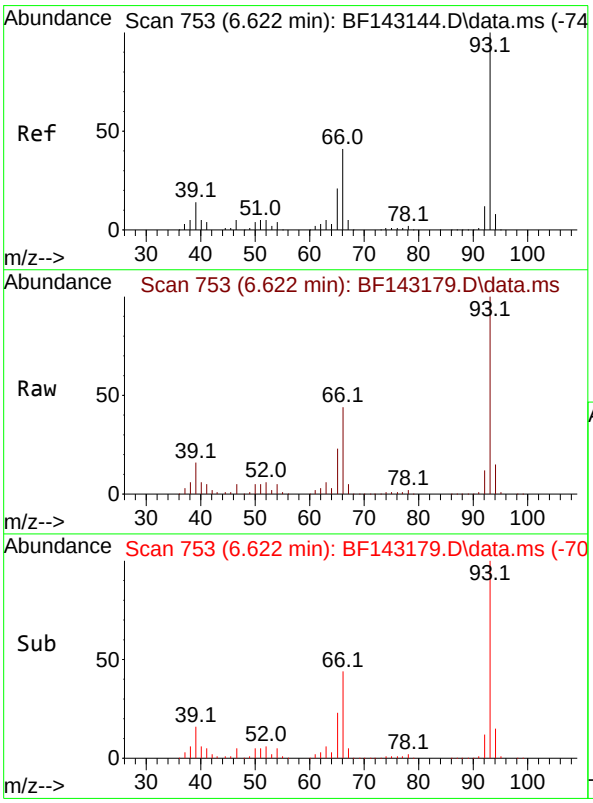
#5
2-Fluorophenol
Concen: 113.460 ng
RT: 5.604 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:112 Resp: 1067004

Ion	Ratio	Lower	Upper
112	100		
64	65.4	53.1	79.7
63	32.8	26.6	40.0

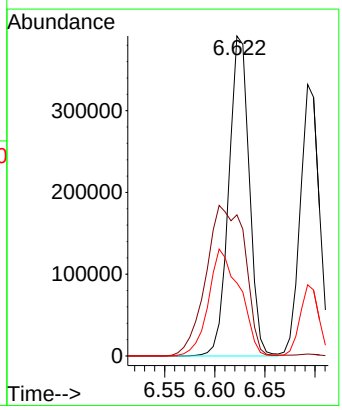


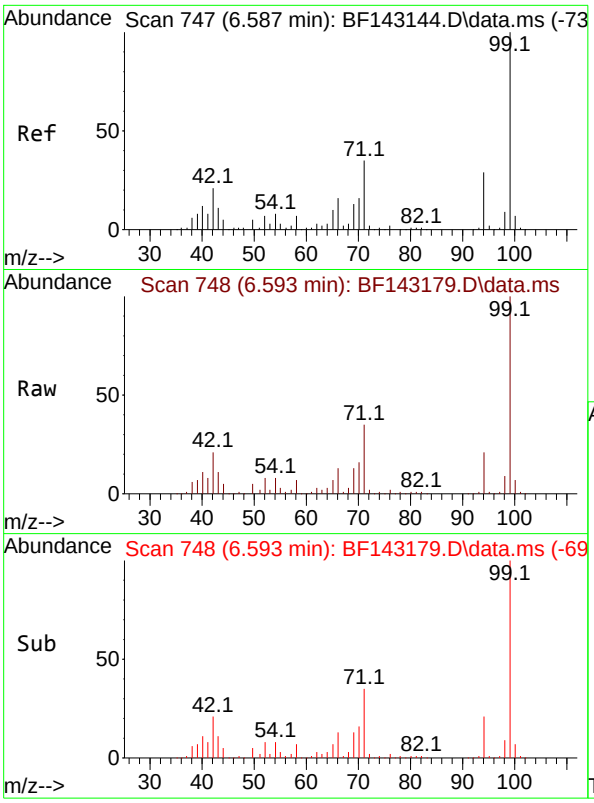


#6
Aniline
Concen: 33.754 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 93 Resp: 556846

Ion	Ratio	Lower	Upper
93	100		
66	44.1	33.2	49.8
65	22.8	16.9	25.3



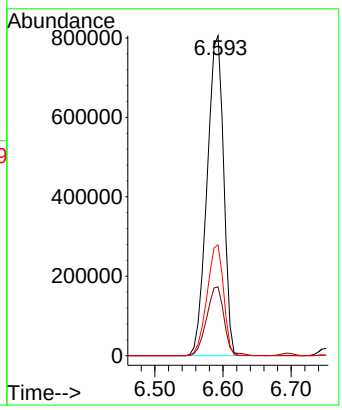


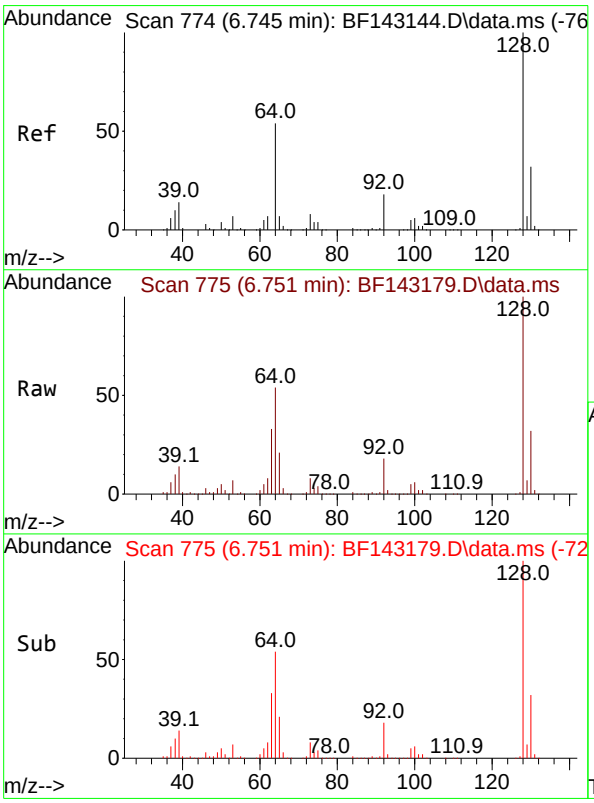
#7
Phenol-d6
Concen: 115.049 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 99 Resp: 1361825

Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	34.6	27.7	41.5

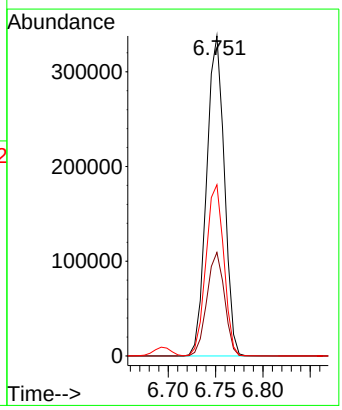


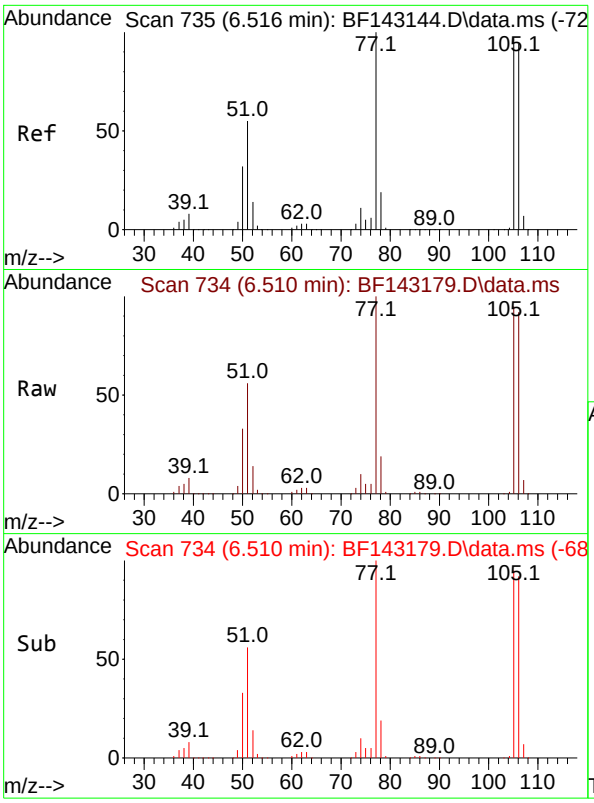


#8
2-Chlorophenol
Concen: 44.542 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:128 Resp: 439078

Ion	Ratio	Lower	Upper
128	100		
130	32.3	12.3	52.3
64	53.5	35.9	75.9



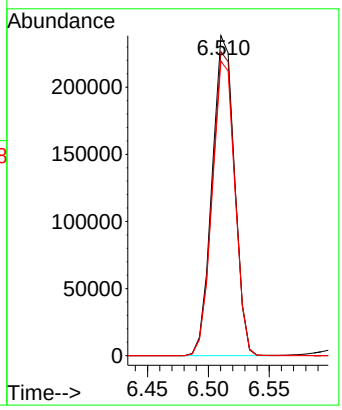


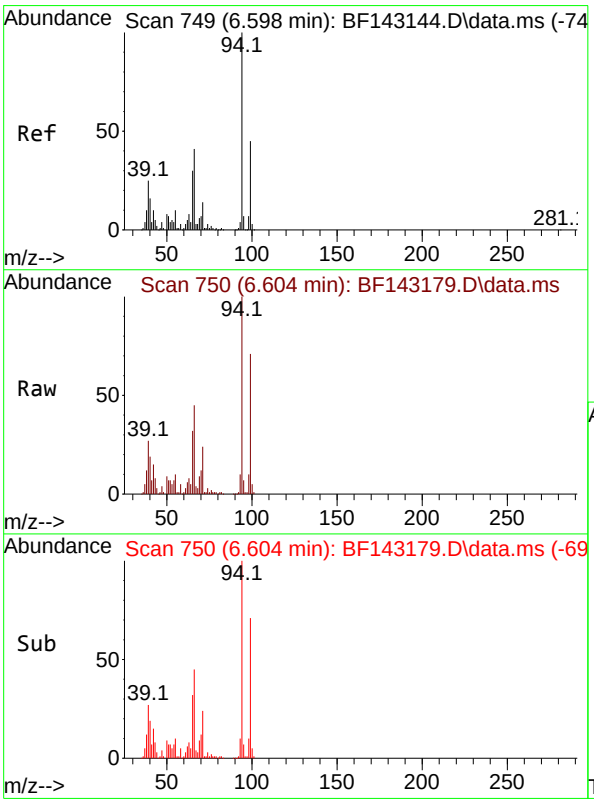
#9
Benzaldehyde
Concen: 34.290 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 77 Resp: 304356

Ion	Ratio	Lower	Upper
77	100		
105	95.0	76.8	116.8
106	92.1	74.4	114.4

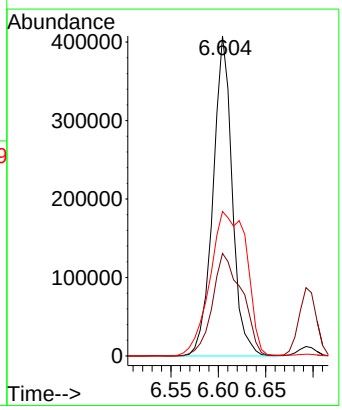


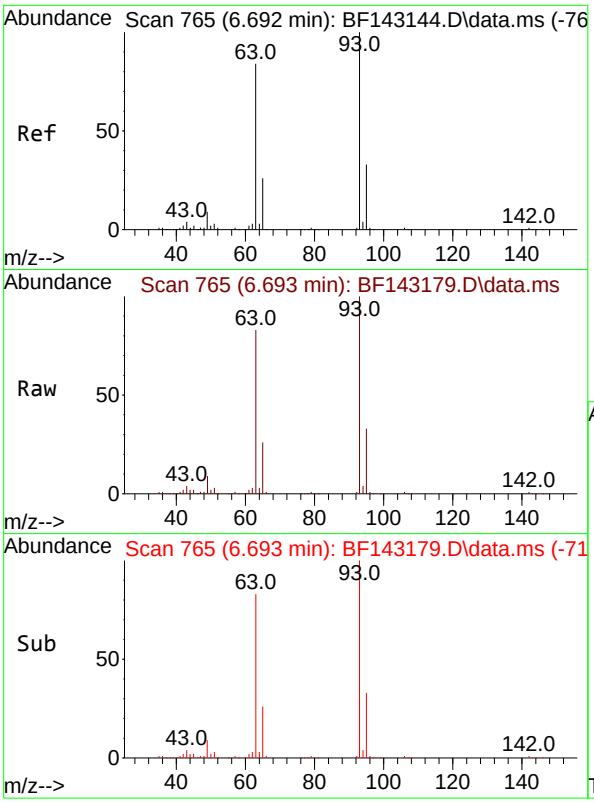


#10
Phenol
Concen: 44.731 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 94 Resp: 576816

Ion	Ratio	Lower	Upper
94	100		
65	32.0	10.0	50.0
66	45.1	20.8	60.8



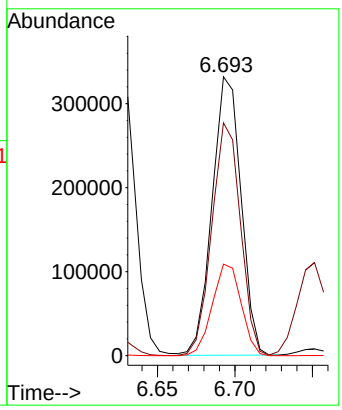


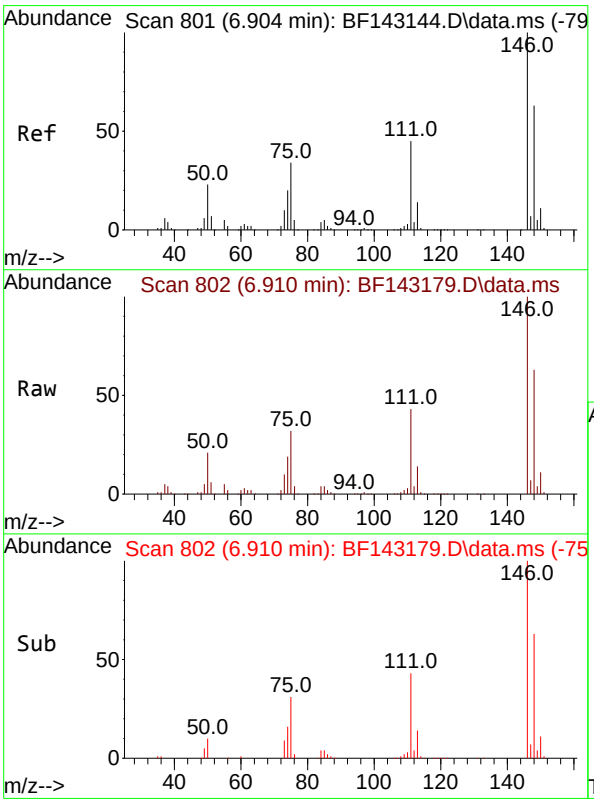
#11
bis(2-Chloroethyl)ether
Concen: 43.567 ng
RT: 6.693 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 93 Resp: 430148

Ion	Ratio	Lower	Upper
93	100		
63	83.4	63.4	103.4
95	32.8	12.4	52.4

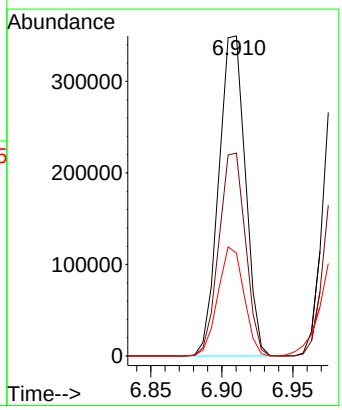


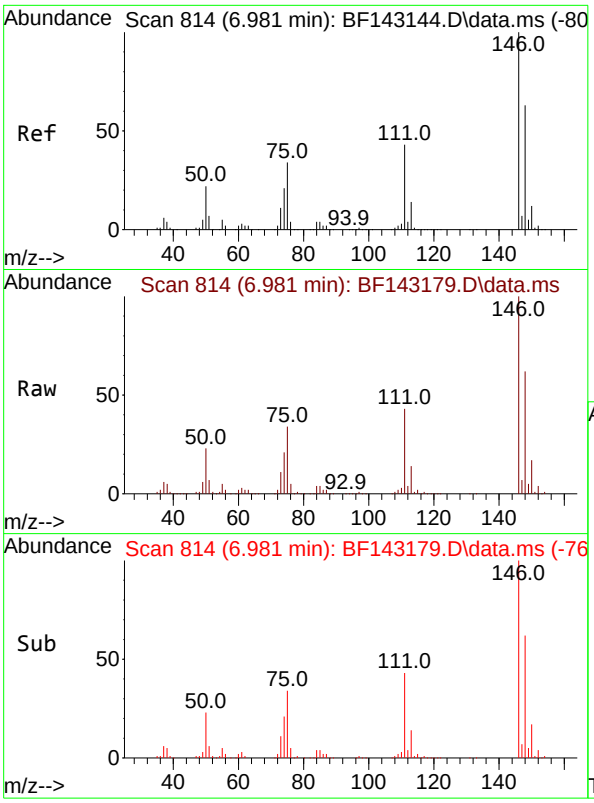


#12
1,3-Dichlorobenzene
Concen: 42.595 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 456124

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.6	76.0
75	32.1	27.4	41.2



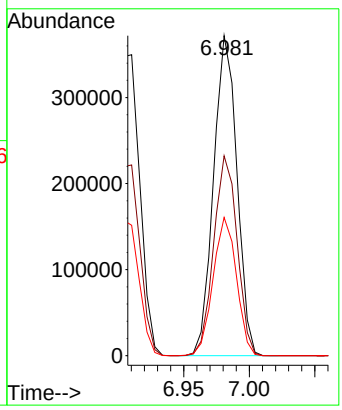


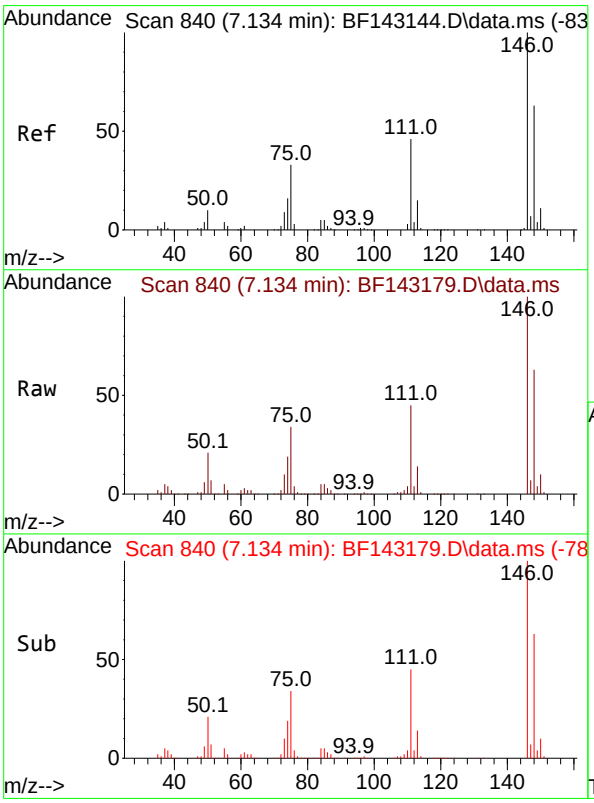
#13
1,4-Dichlorobenzene
Concen: 42.691 ng
RT: 6.981 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:146 Resp: 460379

Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.3	75.5
111	43.2	34.4	51.6

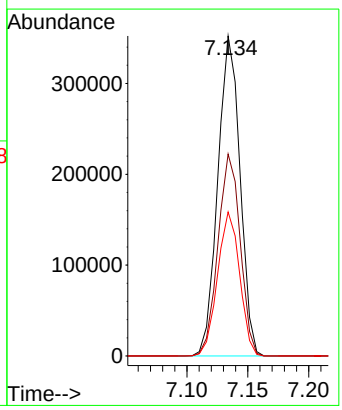


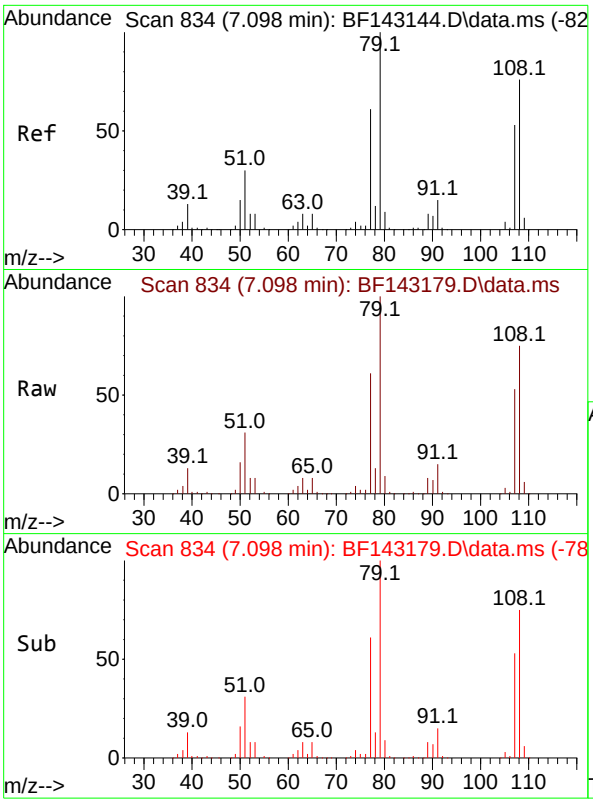


#14
1,2-Dichlorobenzene
Concen: 43.597 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:146 Resp: 447172

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.7	76.1
111	45.0	36.6	54.8



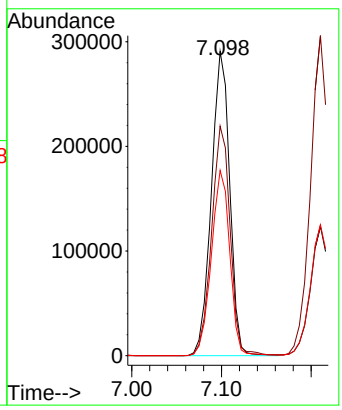


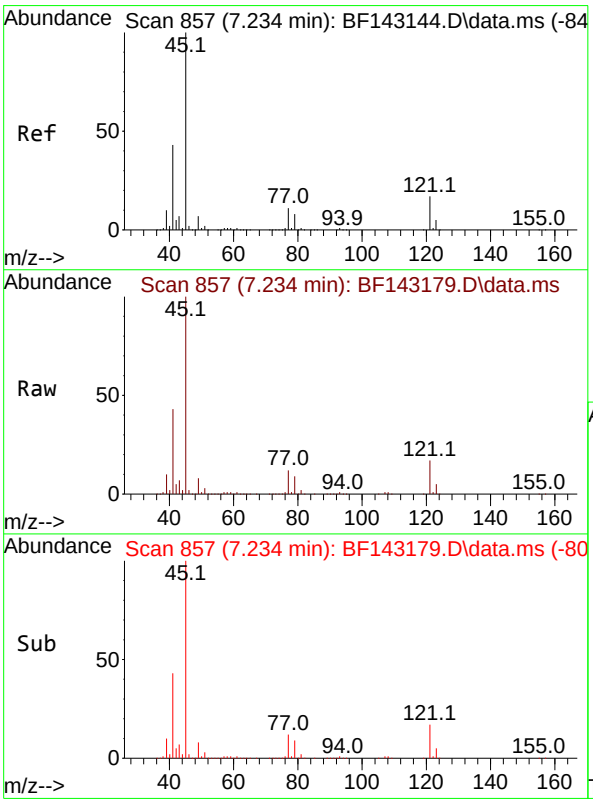
#15
Benzyl Alcohol
Concen: 45.687 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 79 Resp: 412922

Ion	Ratio	Lower	Upper
79	100		
108	75.5	61.1	91.7
77	60.9	48.9	73.3

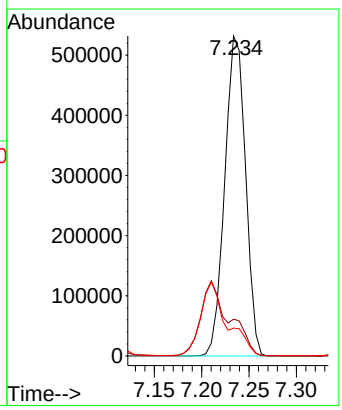


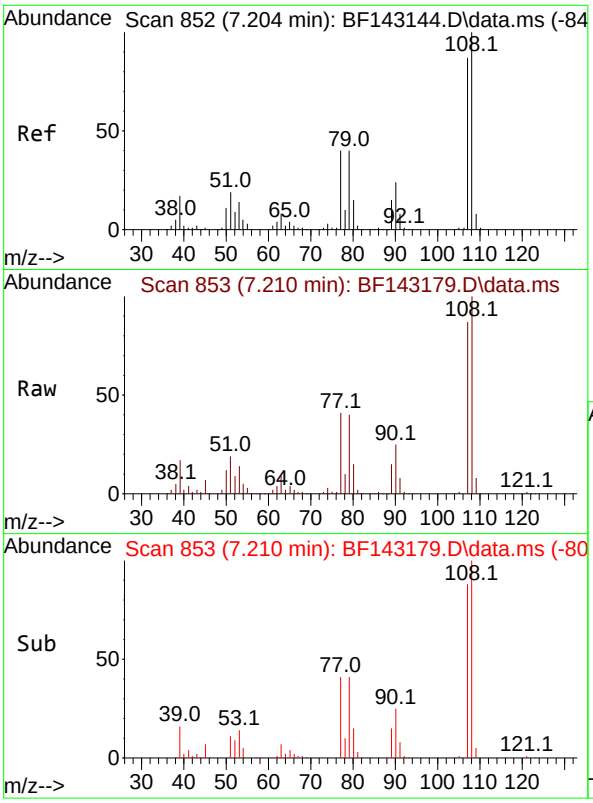


#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.324 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 45 Resp: 811805

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.7	0.0	28.5



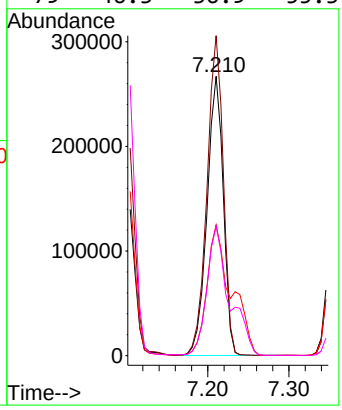


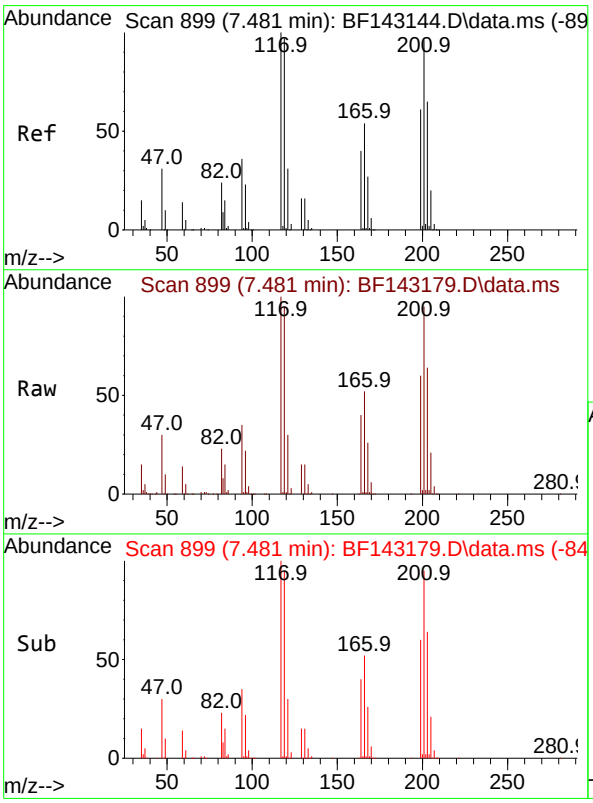
#17
2-Methylphenol
Concen: 44.705 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:107 Resp: 370529

Ion	Ratio	Lower	Upper
107	100		
108	114.6	91.8	137.6
77	46.9	37.0	55.6
79	46.3	36.9	55.3

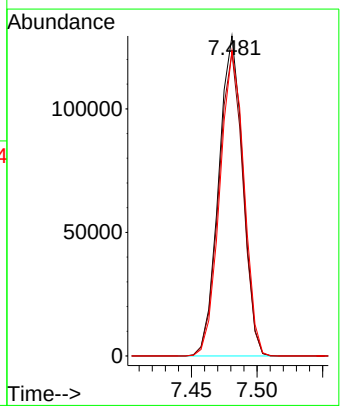


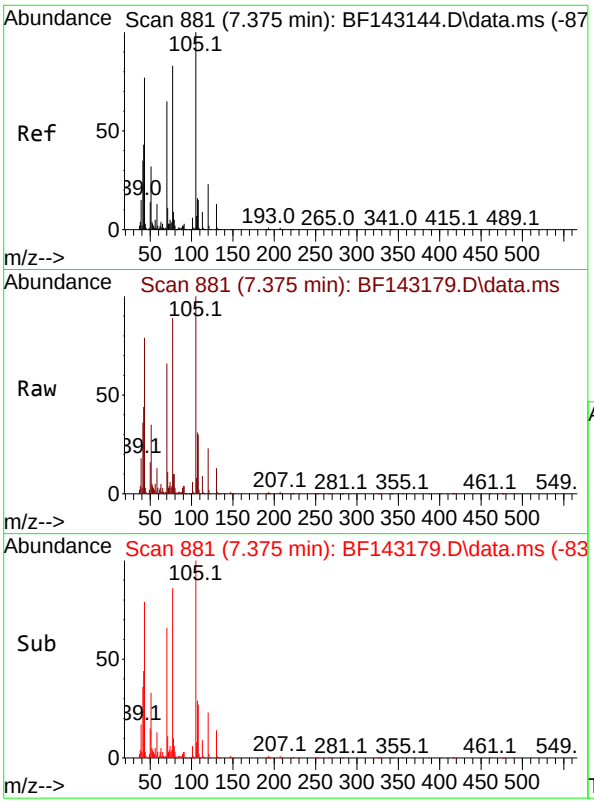


#18
Hexachloroethane
Concen: 44.428 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:117 Resp: 165860

Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.8	116.8
201	95.3	77.0	115.4



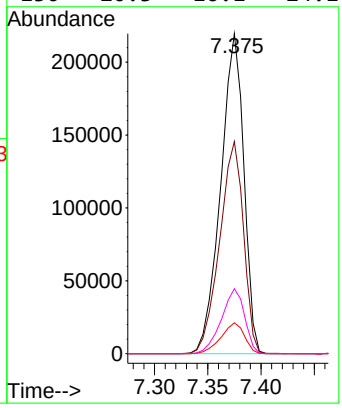


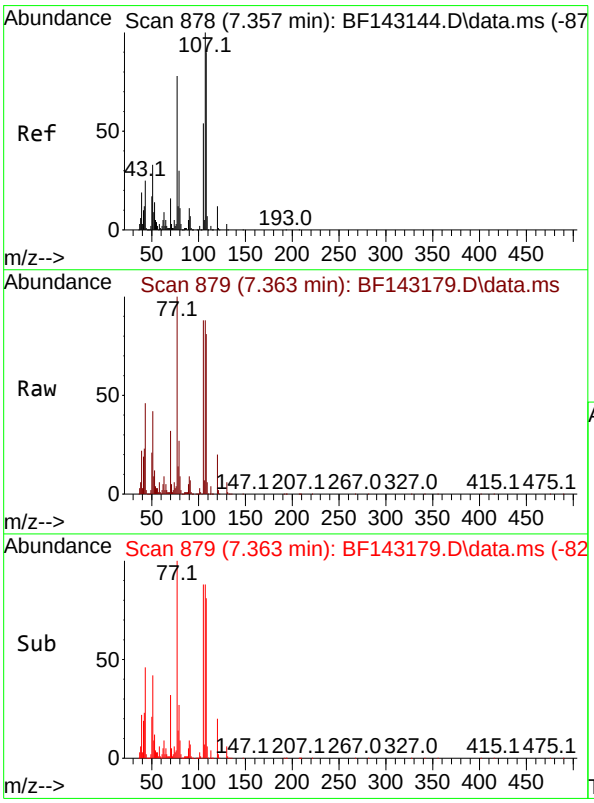
#19
n-Nitroso-di-n-propylamine
Concen: 43.689 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 70 Resp: 331784

Ion	Ratio	Lower	Upper
70	100		
42	66.3	52.5	78.7
101	9.7	7.6	11.4
130	20.3	16.1	24.1

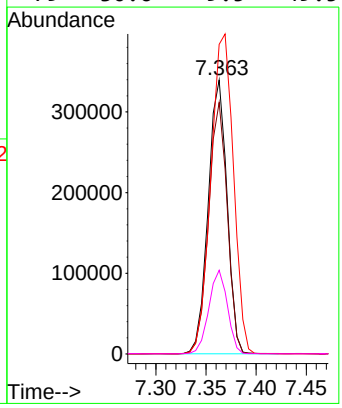


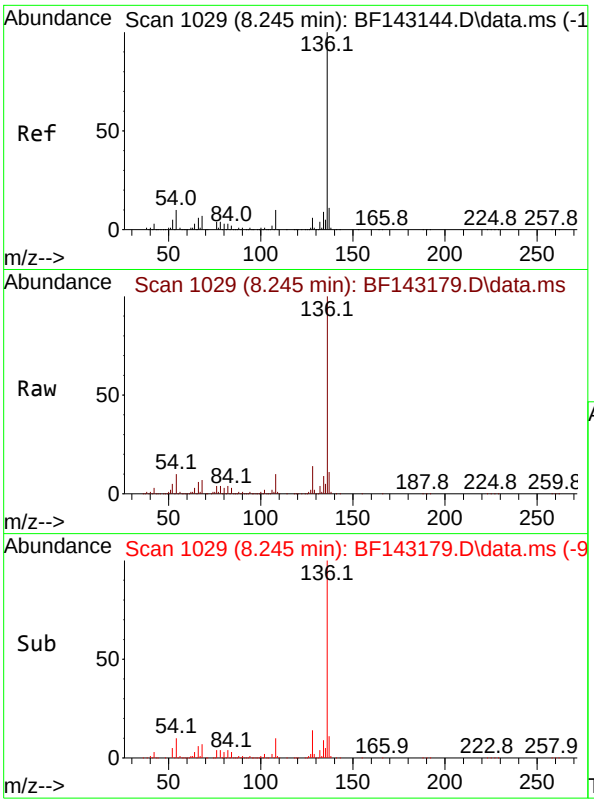


#20
3+4-Methylphenols
Concen: 44.232 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:107 Resp: 444798

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	113.0	57.8	97.8#
79	30.6	9.5	49.5



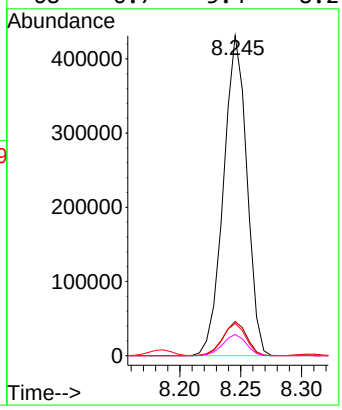


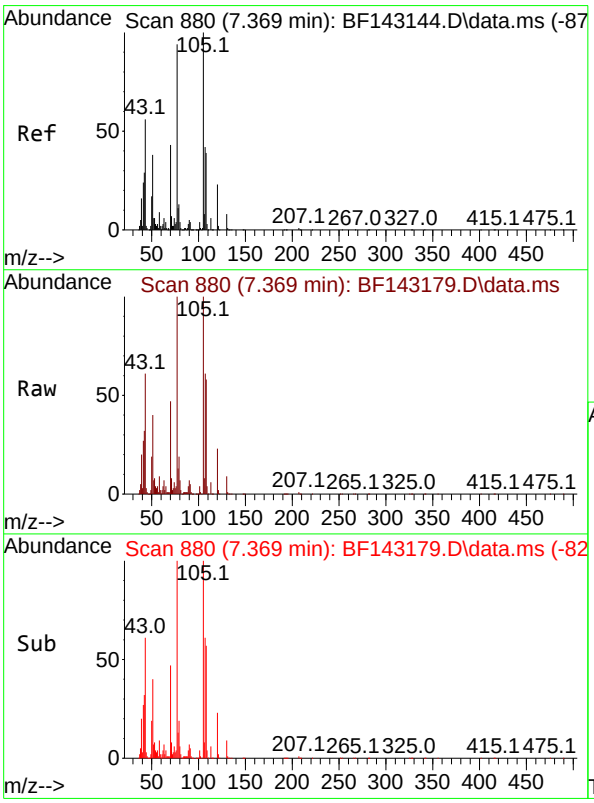
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:136 Resp: 576425

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.1	8.2	12.2
68	6.7	5.4	8.2

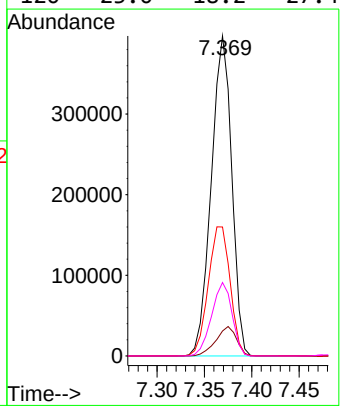


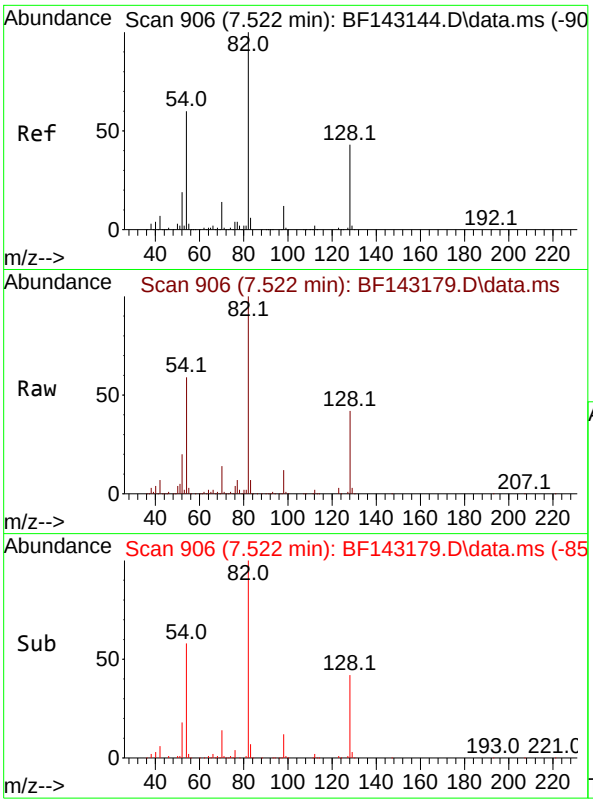


#22
Acetophenone
Concen: 43.751 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:105 Resp: 597065

Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.8	8.6
51	40.3	30.2	45.2
120	23.0	18.2	27.4



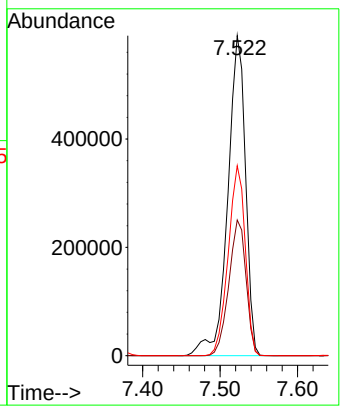


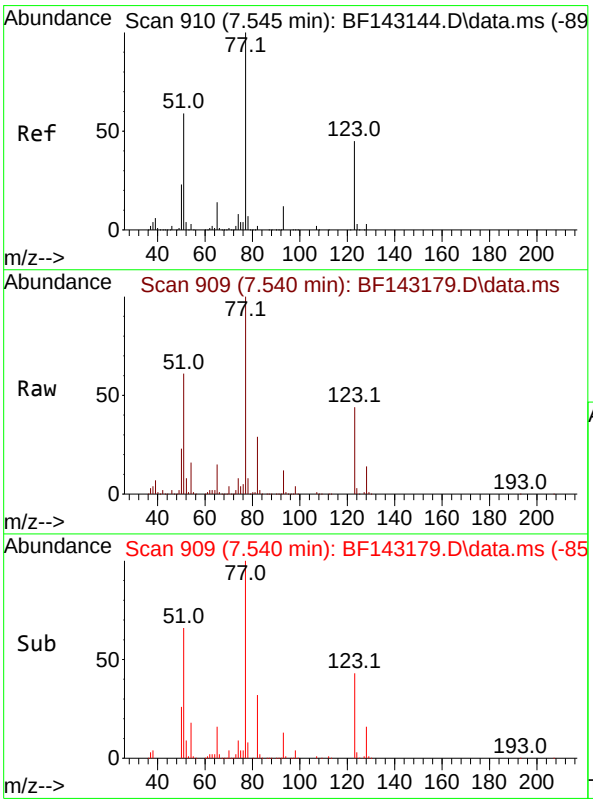
#23
Nitrobenzene-d5
Concen: 81.668 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 82 Resp: 944398

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.6	50.4
54	59.3	47.1	70.7

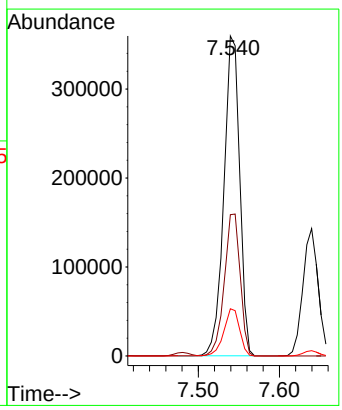


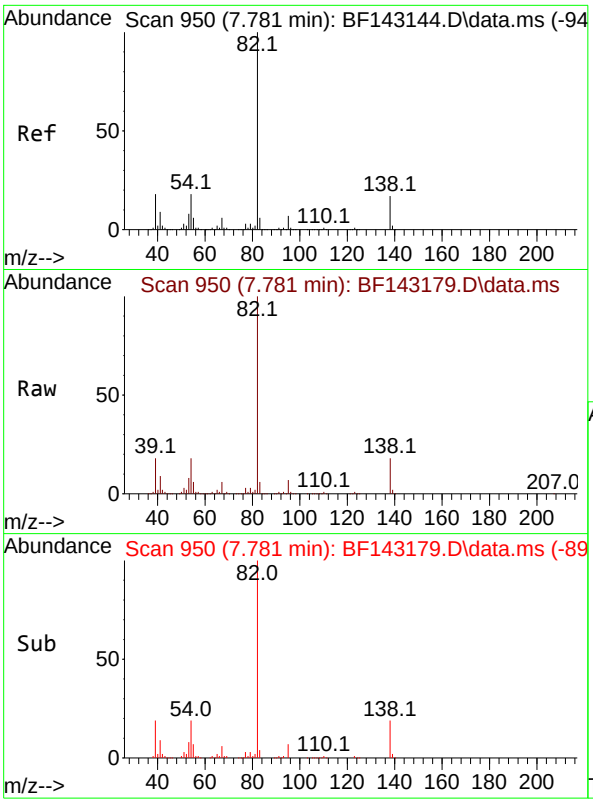


#24
Nitrobenzene
Concen: 45.221 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 77 Resp: 487538

Ion	Ratio	Lower	Upper
77	100		
123	44.1	36.1	54.1
65	14.8	11.4	17.2



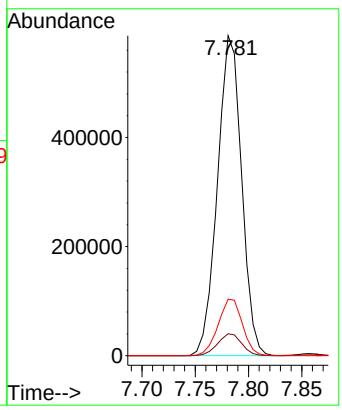


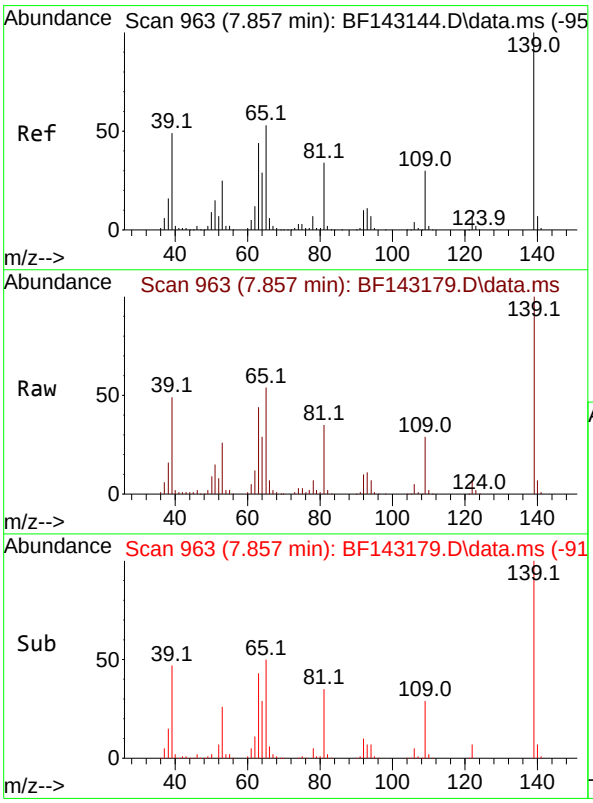
#25
Isophorone
Concen: 45.288 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 82 Resp: 924505

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.7	13.8	20.8

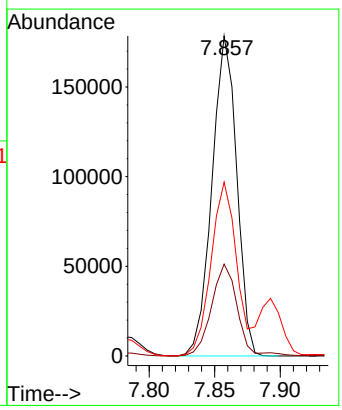


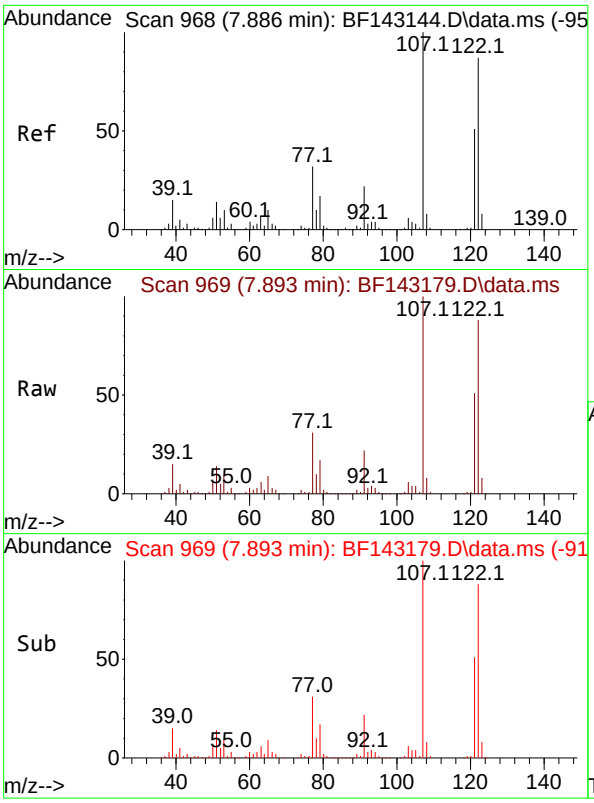


#26
2-Nitrophenol
Concen: 50.000 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:139 Resp: 233949

Ion	Ratio	Lower	Upper
139	100		
109	28.7	23.6	35.4
65	54.3	42.6	64.0



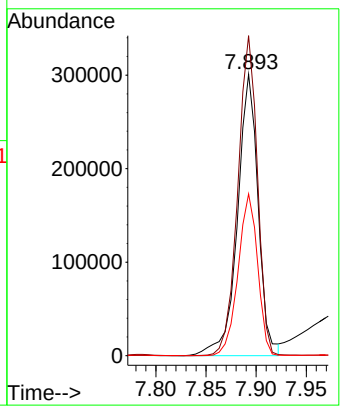


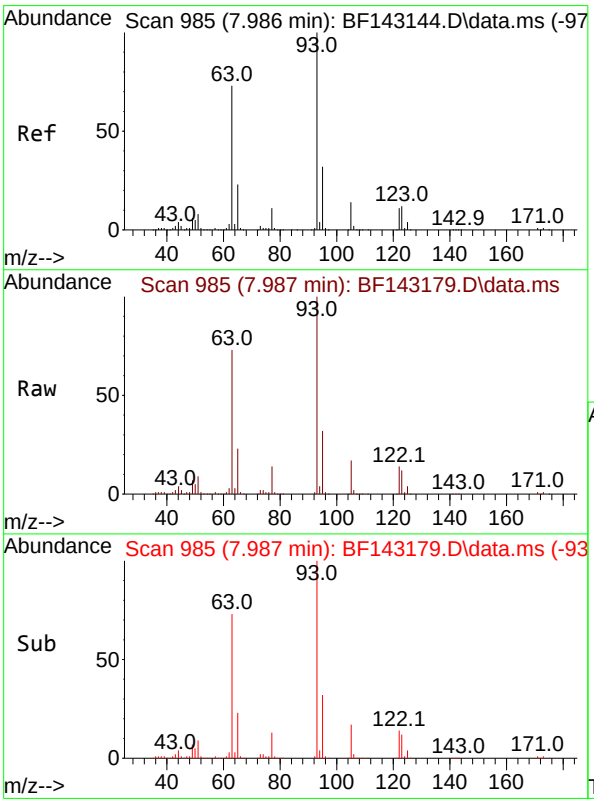
#27
2,4-Dimethylphenol
Concen: 45.326 ng
RT: 7.893 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:122 Resp: 432302

Ion	Ratio	Lower	Upper
122	100		
107	113.7	91.8	137.6
121	57.5	46.3	69.5

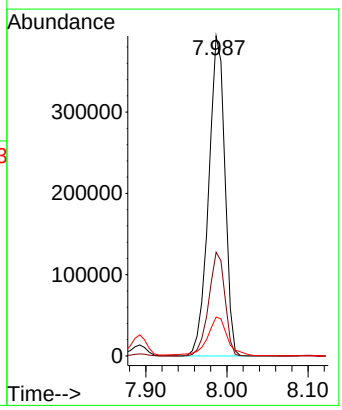


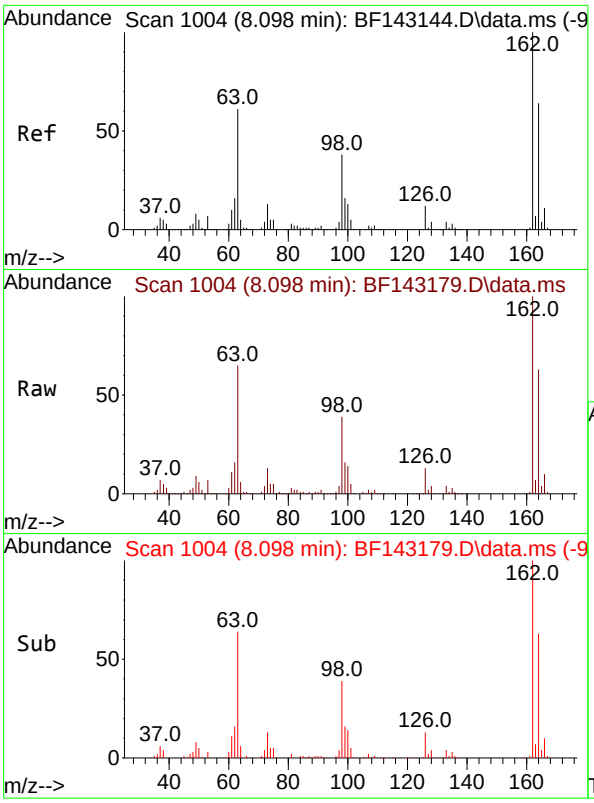


#28
bis(2-Chloroethoxy)methane
Concen: 44.689 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 93 Resp: 546978

Ion	Ratio	Lower	Upper
93	100		
95	32.4	25.8	38.6
123	12.1	9.7	14.5



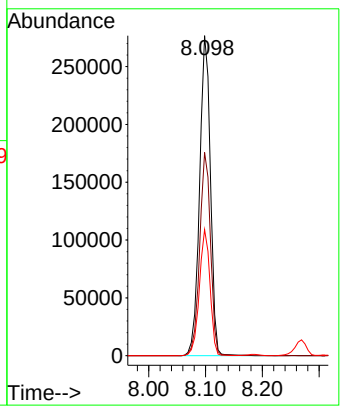


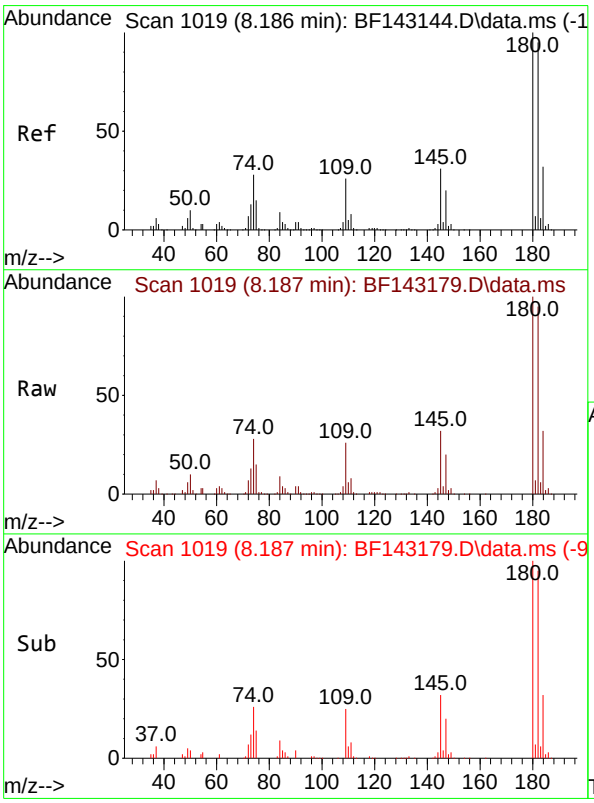
#29
2,4-Dichlorophenol
Concen: 45.667 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:162 Resp: 367314

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.2	84.2
98	39.4	17.9	57.9

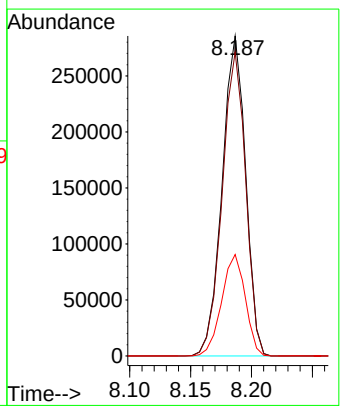


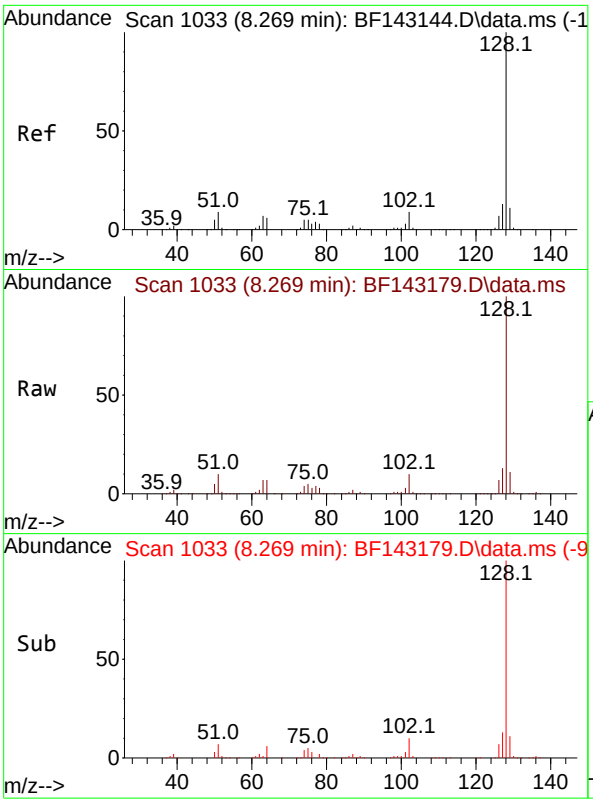


#30
1,2,4-Trichlorobenzene
Concen: 44.032 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:180 Resp: 382623

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
145	31.7	25.0	37.6



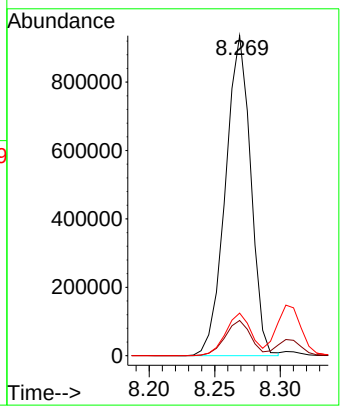


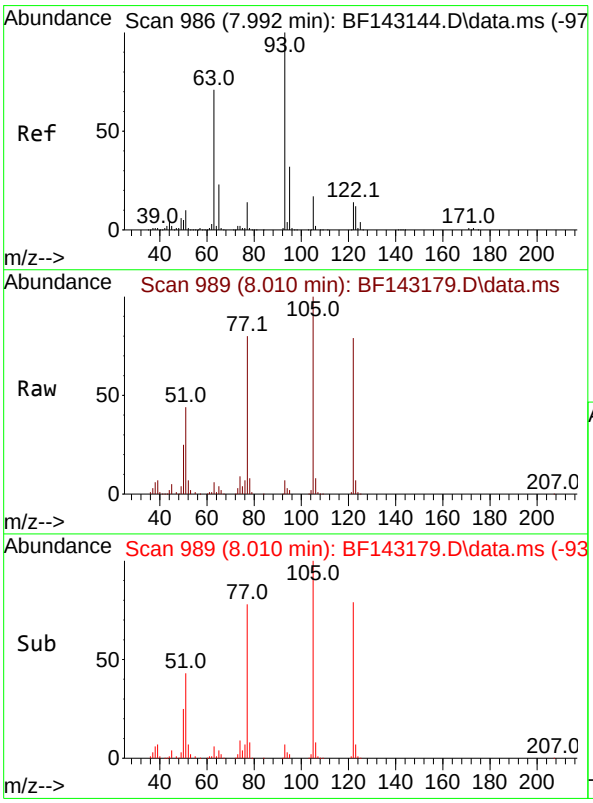
#31
Naphthalene
Concen: 44.183 ng
RT: 8.269 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:128 Resp: 1254290

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	13.3	10.6	16.0

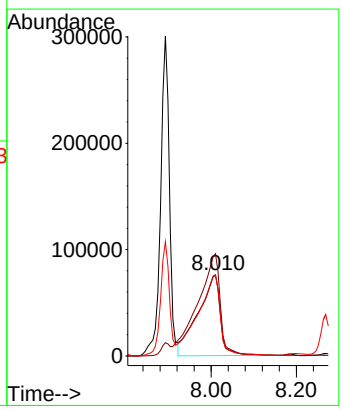


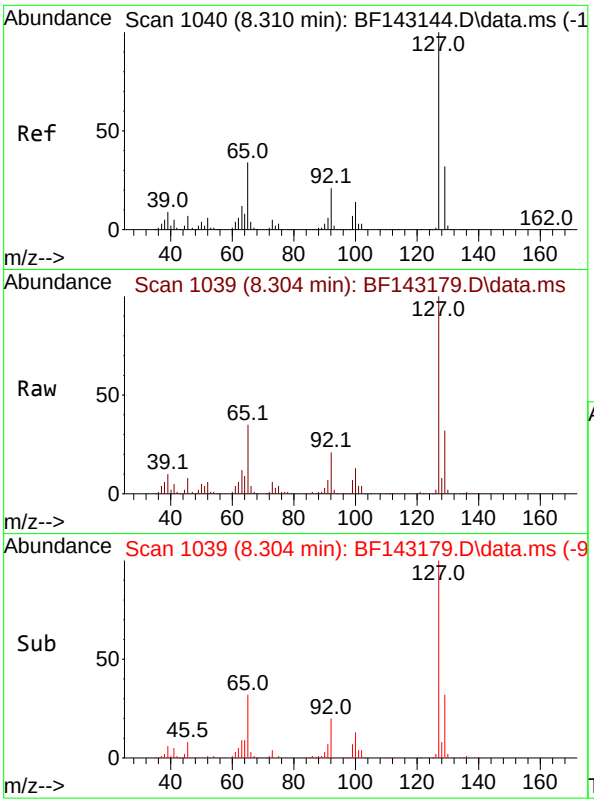


#32
Benzoic acid
Concen: 50.943 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:122 Resp: 275604

Ion	Ratio	Lower	Upper
122	100		
105	126.3	104.8	144.8
77	100.5	77.6	117.6



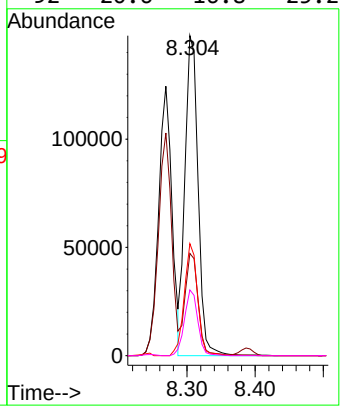


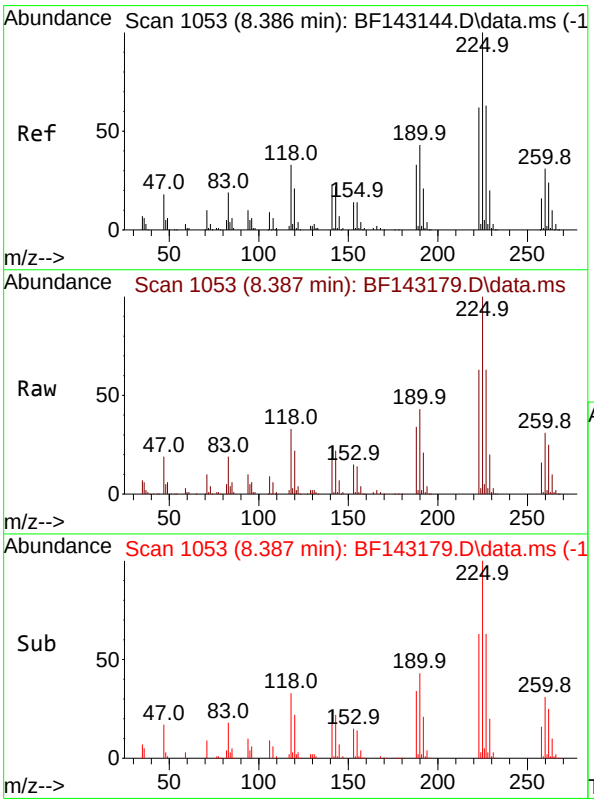
#33
4-Chloroaniline
Concen: 16.978 ng
RT: 8.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:127 Resp: 196806

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	35.0	27.4	41.2
92	20.6	16.8	25.2

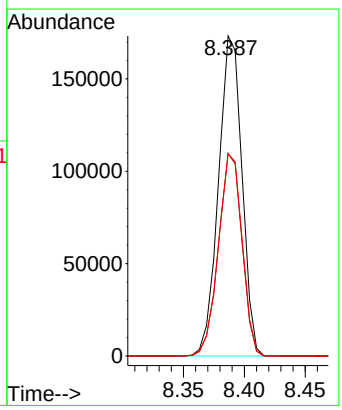


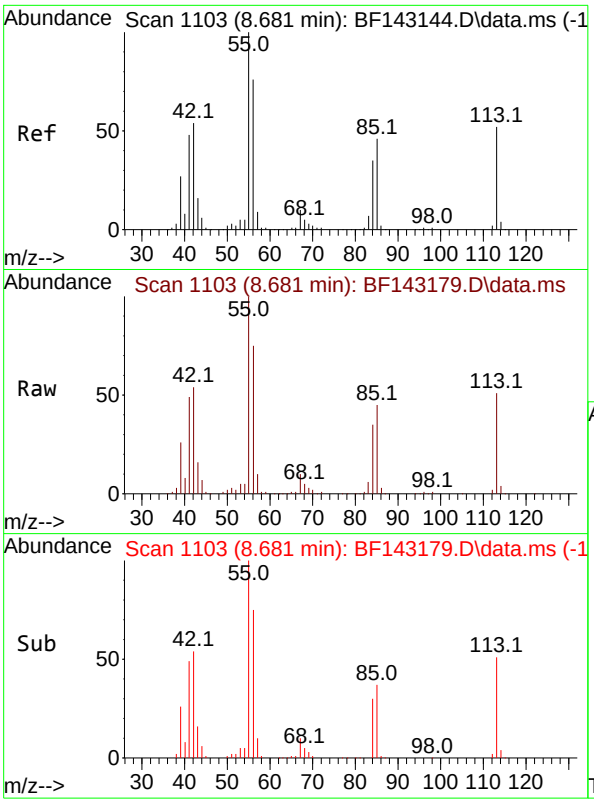


#34
Hexachlorobutadiene
Concen: 43.811 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:225 Resp: 232563

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.6
227	63.2	50.2	75.4



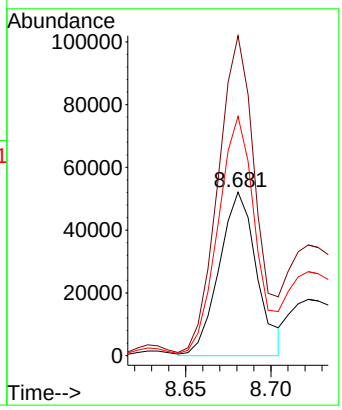


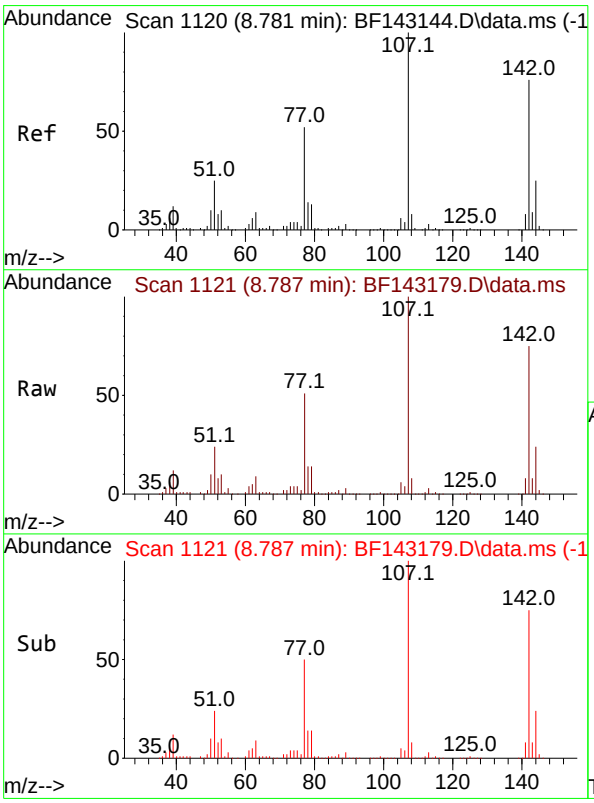
#35
Caprolactam
Concen: 32.914 ng
RT: 8.681 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:113 Resp: 79999

Ion	Ratio	Lower	Upper
113	100		
55	195.7	174.0	214.0
56	146.4	126.6	166.6

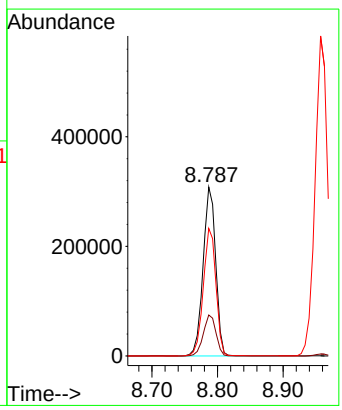


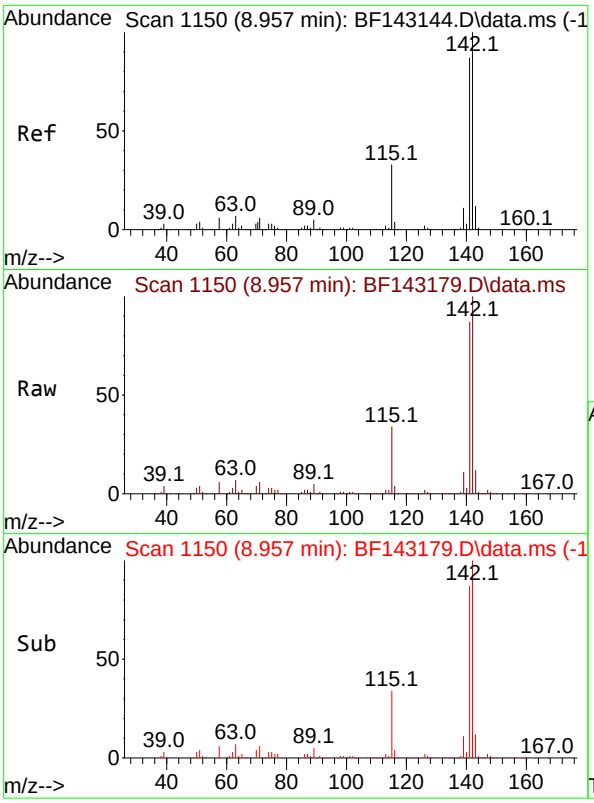


#36
4-Chloro-3-methylphenol
Concen: 47.346 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:107 Resp: 413921

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.8	29.6
142	75.5	60.6	90.8



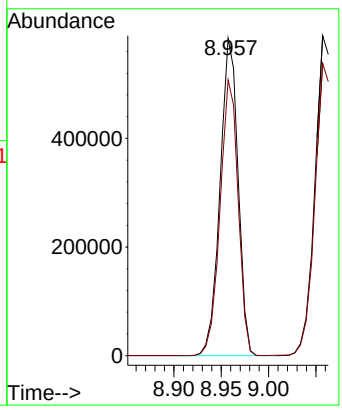


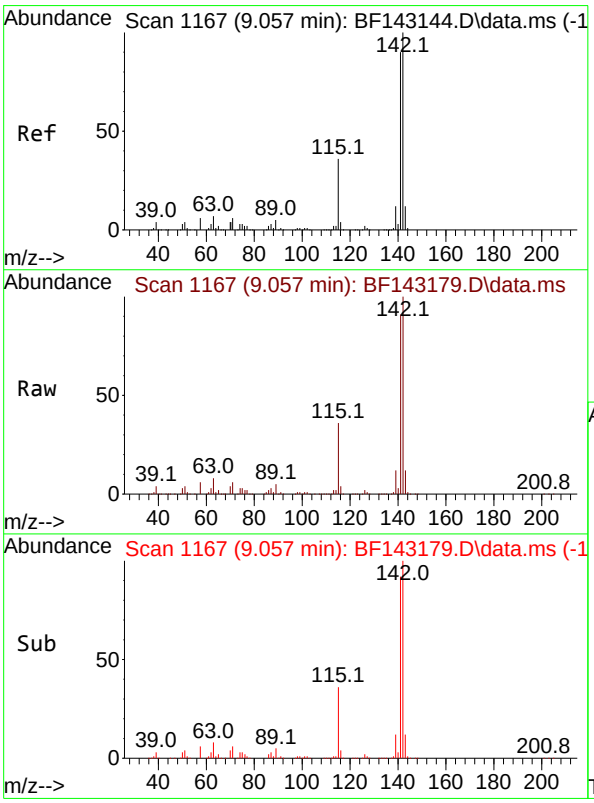
#37
2-Methylnaphthalene
Concen: 44.775 ng
RT: 8.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:142 Resp: 773479

Ion	Ratio	Lower	Upper
142	100		
141	87.0	69.9	104.9

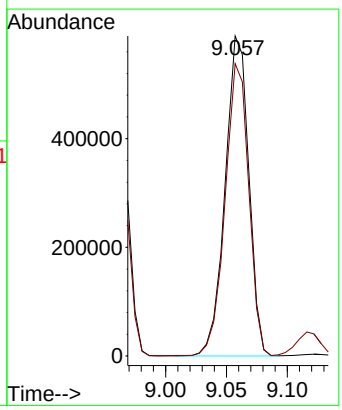


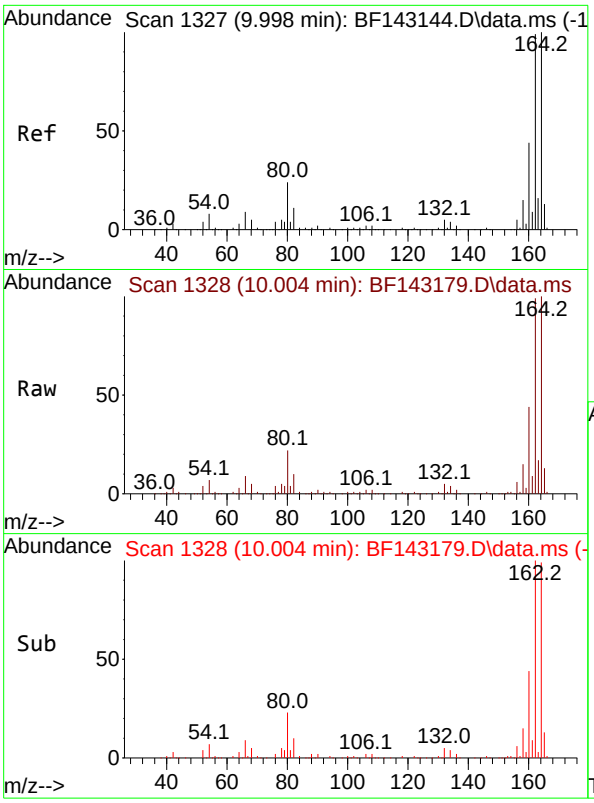


#38
1-Methylnaphthalene
Concen: 44.722 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:142 Resp: 795535

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.3	108.5



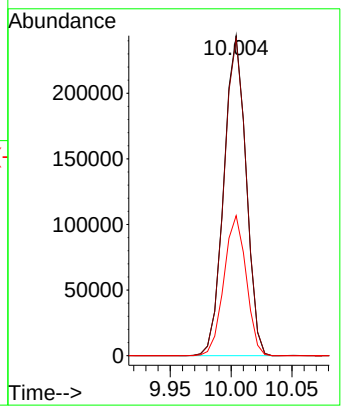


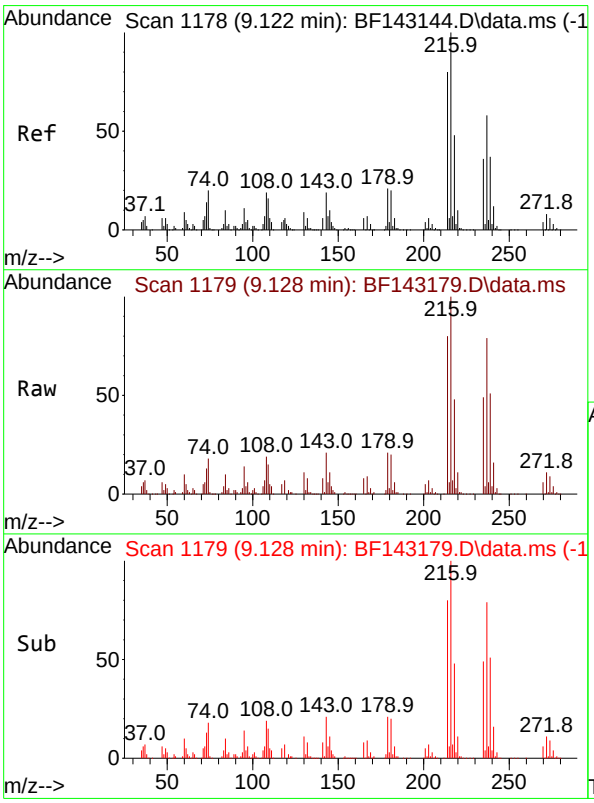
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:164 Resp: 308303

Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.0	118.6
160	43.8	35.1	52.7

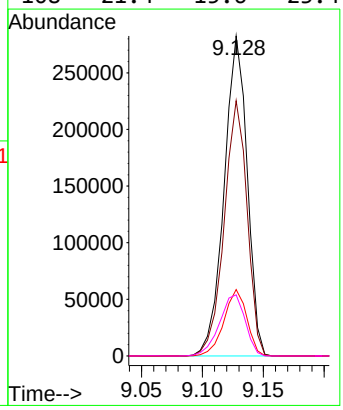


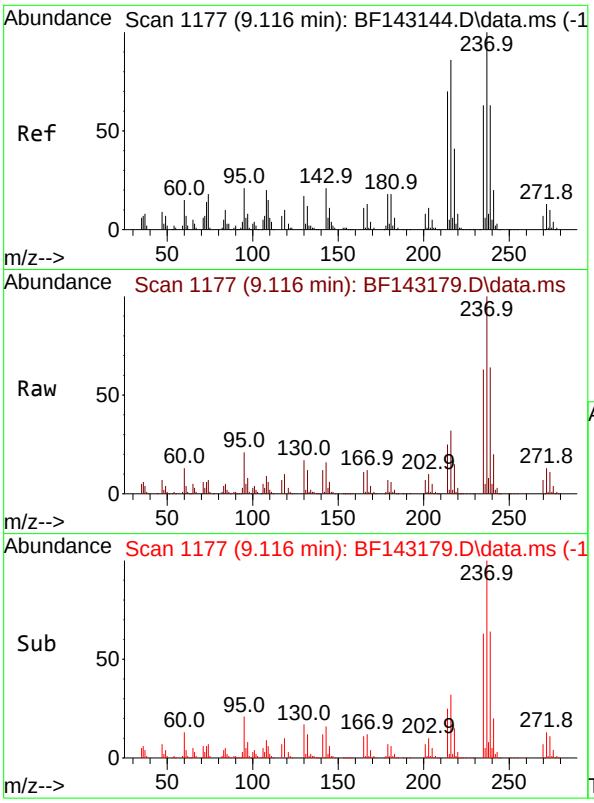


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.800 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:216 Resp: 372068

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.8
179	20.6	16.4	24.6
108	21.4	15.6	23.4



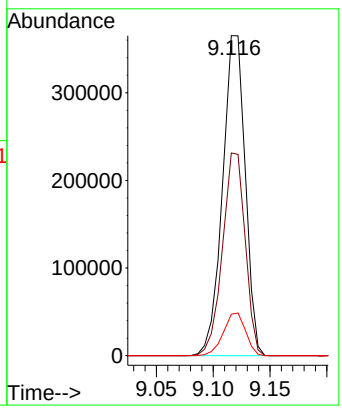


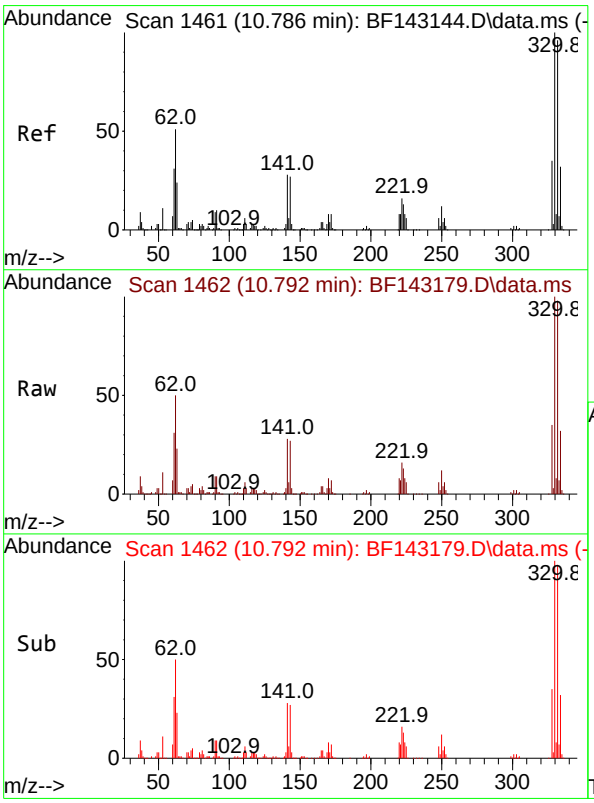
#41
Hexachlorocyclopentadiene
Concen: 87.703 ng
RT: 9.116 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:237 Resp: 507942

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.0	83.0
272	13.0	0.0	33.3

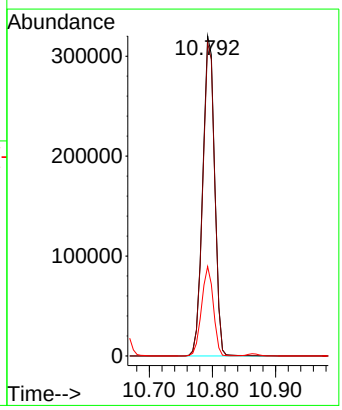


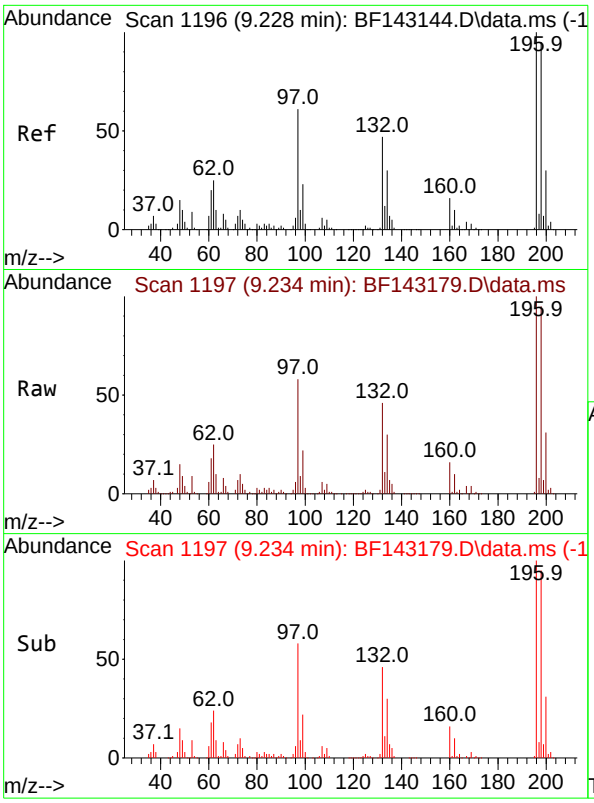


#42
2,4,6-Tribromophenol
Concen: 131.675 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:330 Resp: 419377

Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.7	115.1
141	27.7	23.3	34.9



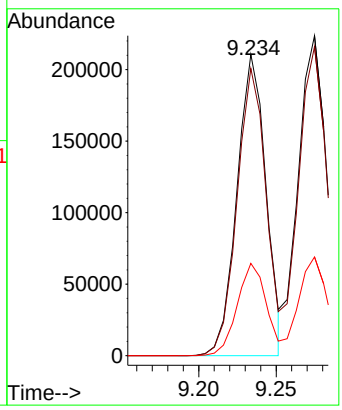


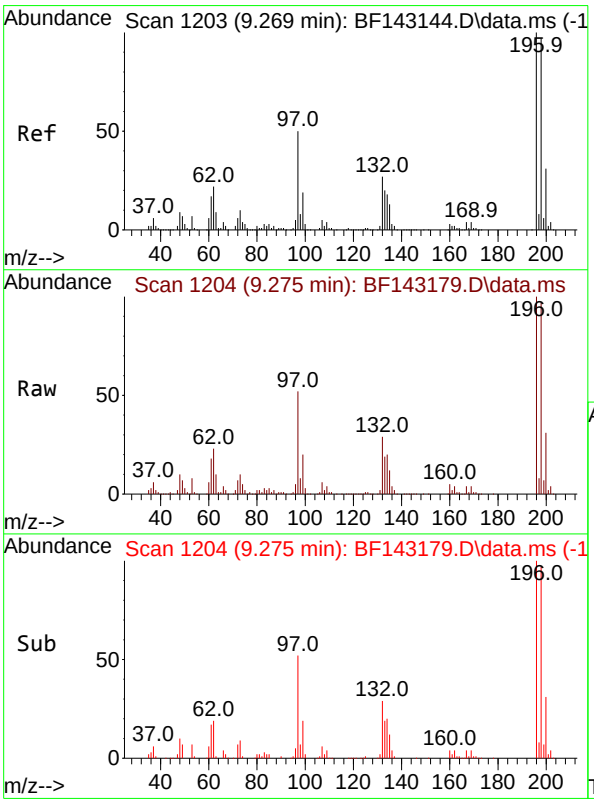
#43
2,4,6-Trichlorophenol
Concen: 44.464 ng
RT: 9.234 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:196 Resp: 273909

Ion	Ratio	Lower	Upper
196	100		
198	95.3	76.2	114.2
200	30.7	23.9	35.9

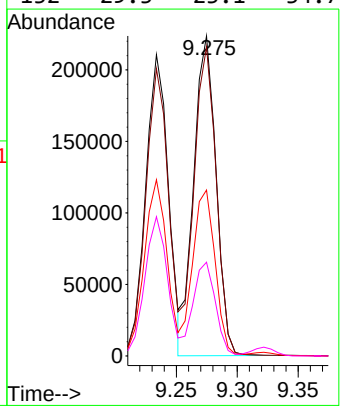


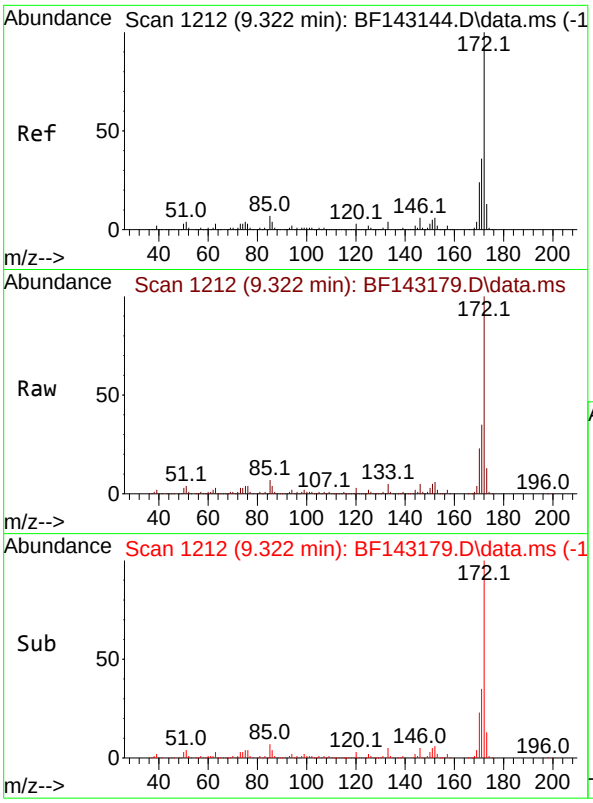


#44
2,4,5-Trichlorophenol
Concen: 46.193 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:196 Resp: 284651

Ion	Ratio	Lower	Upper
196	100		
198	96.6	77.3	115.9
97	51.8	40.3	60.5
132	29.3	23.1	34.7



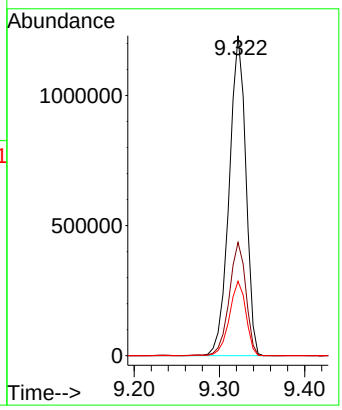


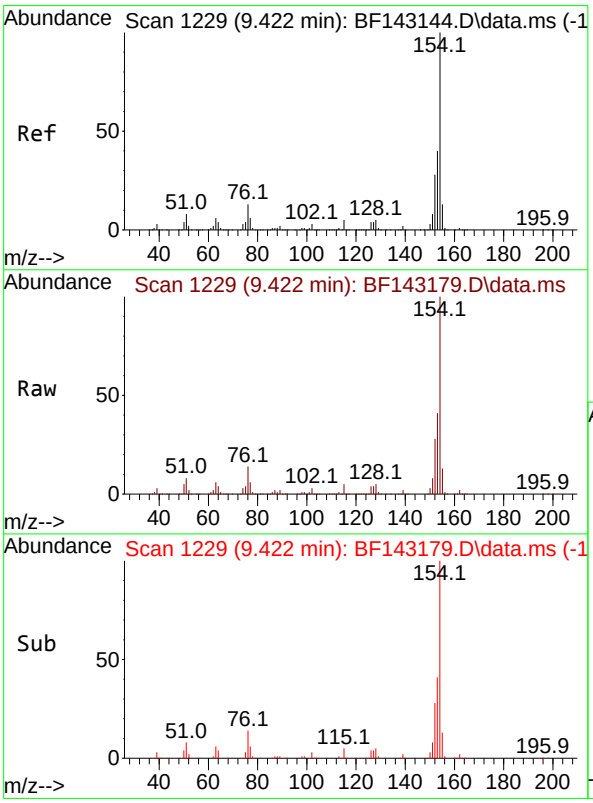
#45
2-Fluorobiphenyl
Concen: 74.110 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:172 Resp: 1670652

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.3	18.8	28.2

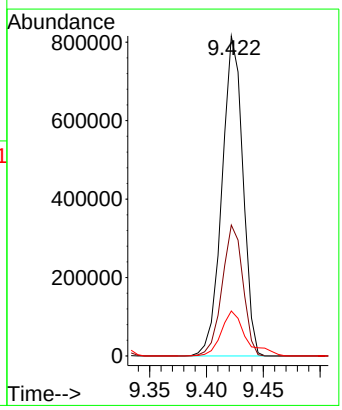


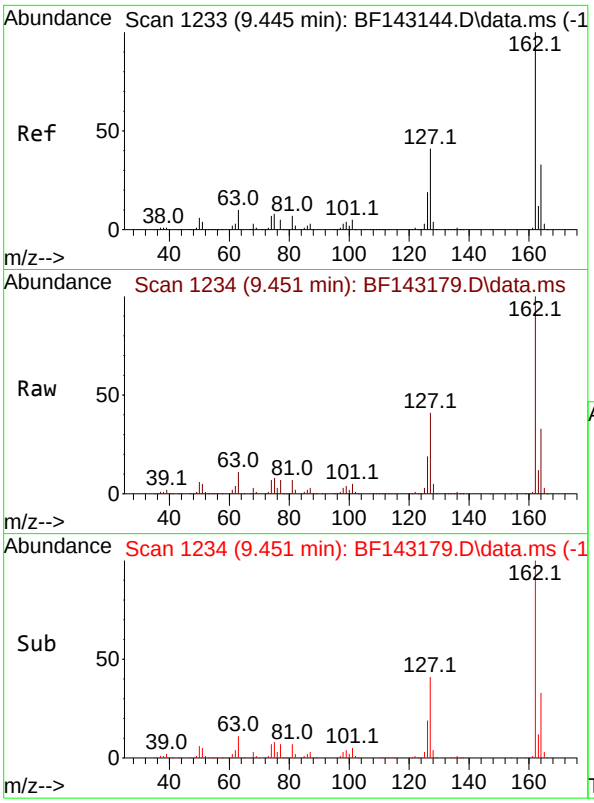


#46
1,1'-Biphenyl
Concen: 43.521 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 1046849

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.3	60.3
76	14.0	0.0	33.3



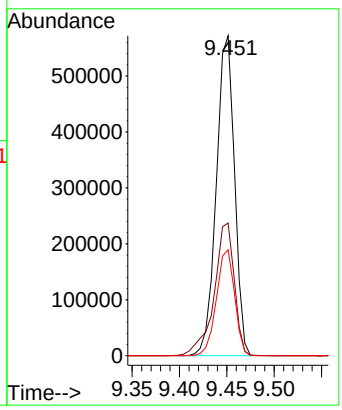


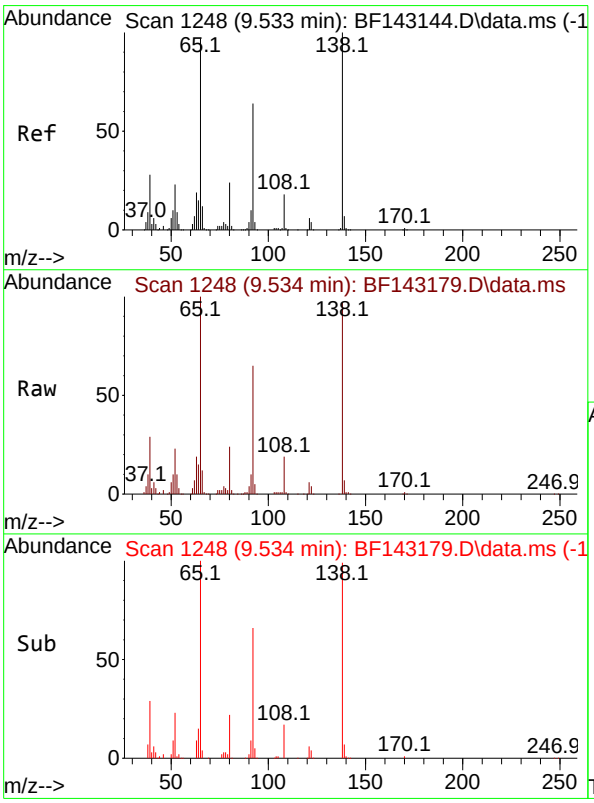
#47
2-Chloronaphthalene
Concen: 43.035 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:162 Resp: 765933

Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	33.1	26.2	39.2

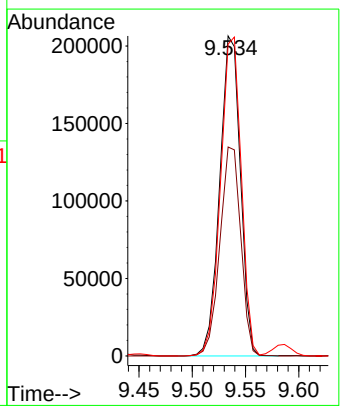


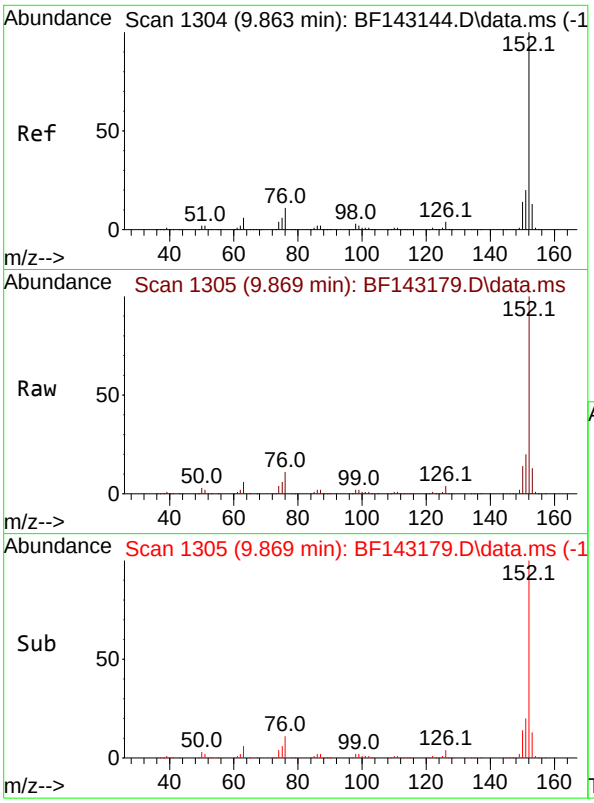


#48
2-Nitroaniline
Concen: 49.756 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion: 65 Resp: 277706

Ion	Ratio	Lower	Upper
65	100		
92	65.3	52.4	78.6
138	97.4	82.3	123.5



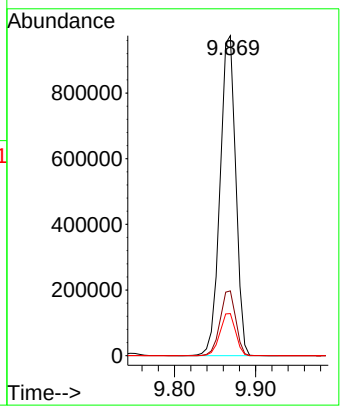


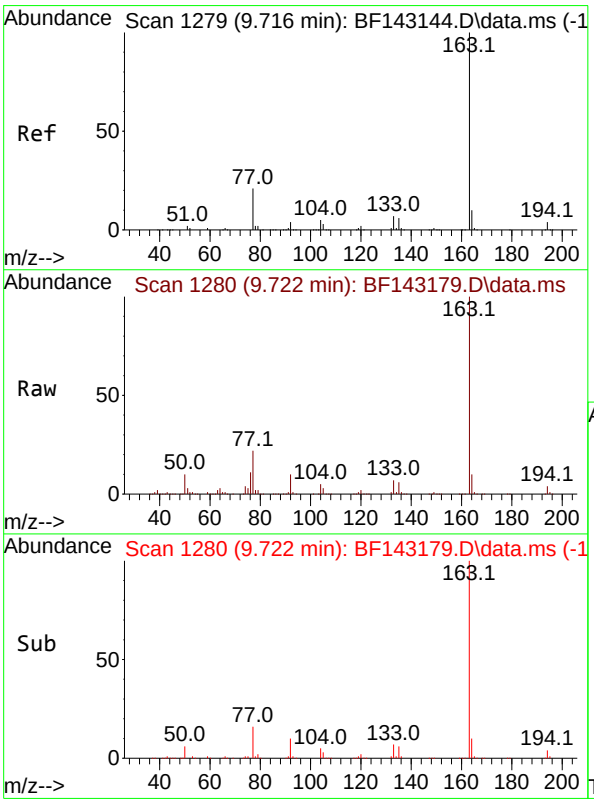
#49
Acenaphthylene
Concen: 43.980 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:152 Resp: 1311787

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.2	10.6	16.0

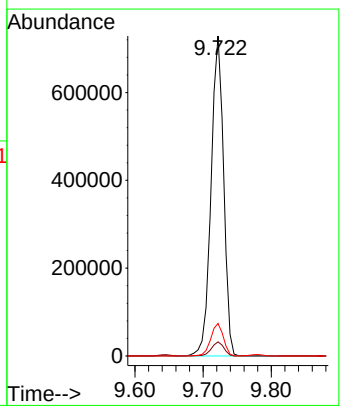


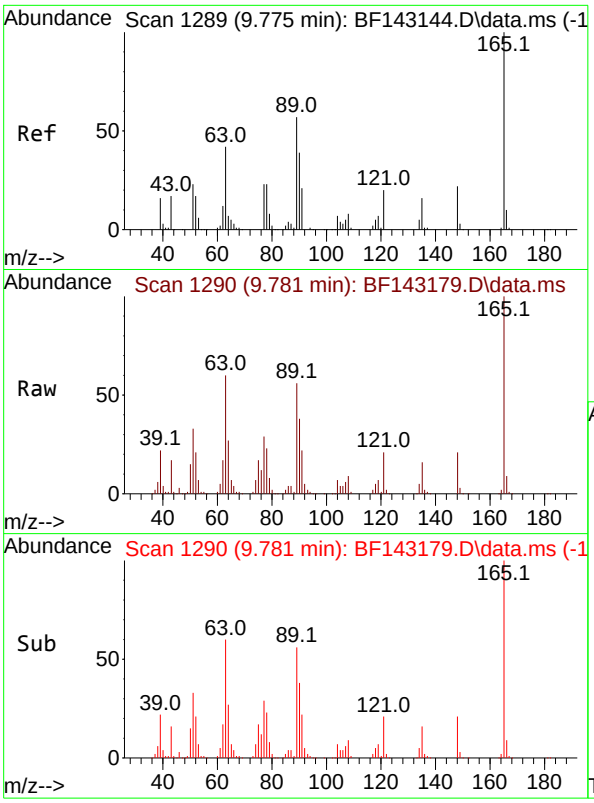


#50
Dimethylphthalate
Concen: 46.478 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:163 Resp: 934025

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.2	8.3	12.5



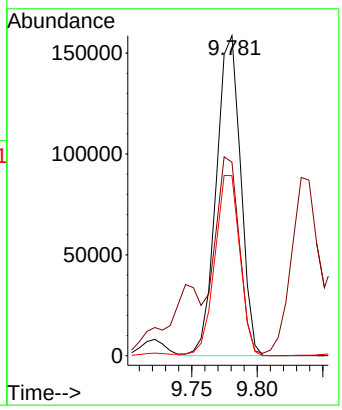


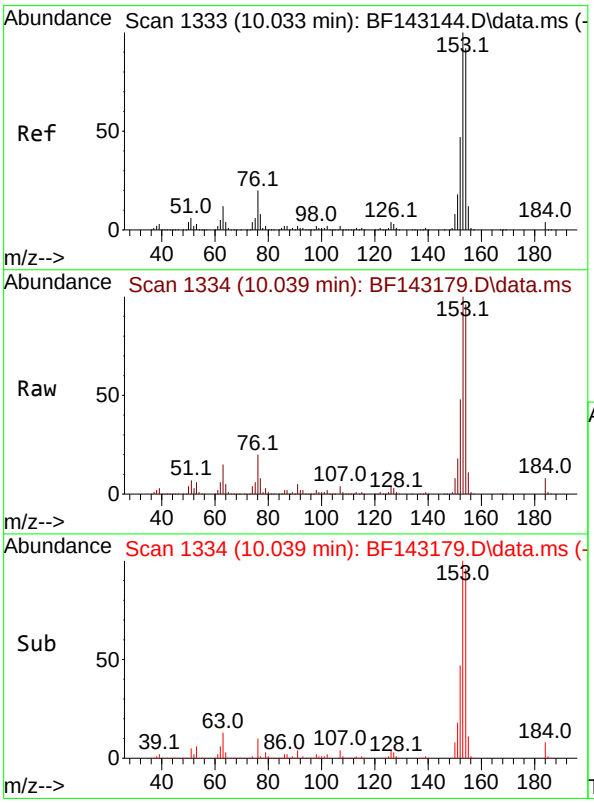
#51
2,6-Dinitrotoluene
Concen: 50.140 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:165 Resp: 204978

Ion	Ratio	Lower	Upper
165	100		
63	60.5	49.4	74.2
89	56.3	46.2	69.2

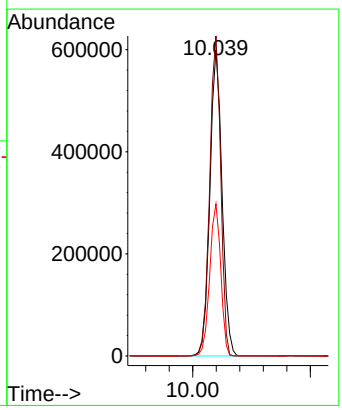


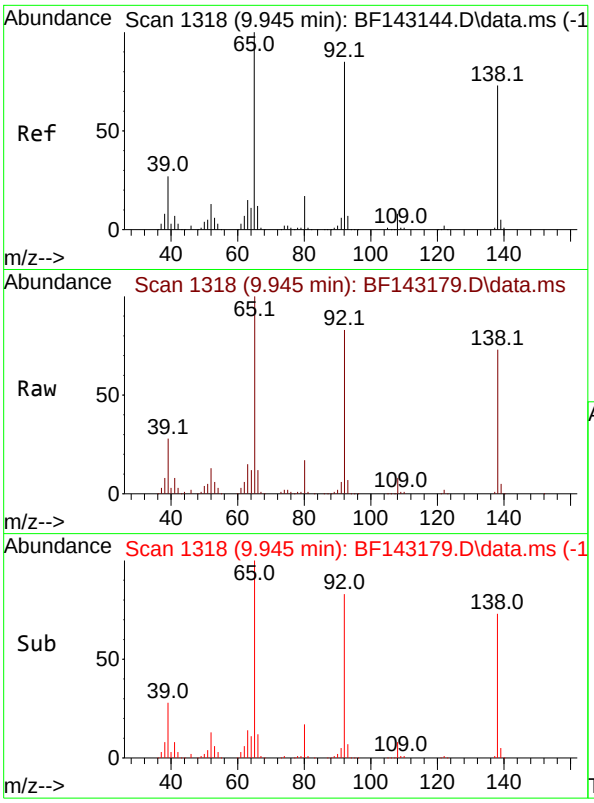


#52
Acenaphthene
Concen: 48.681 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:154 Resp: 858201

Ion	Ratio	Lower	Upper
154	100		
153	104.6	86.6	129.8
152	49.7	40.4	60.6



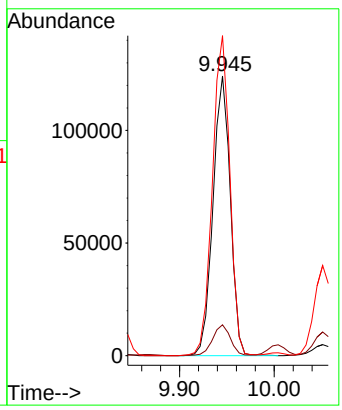


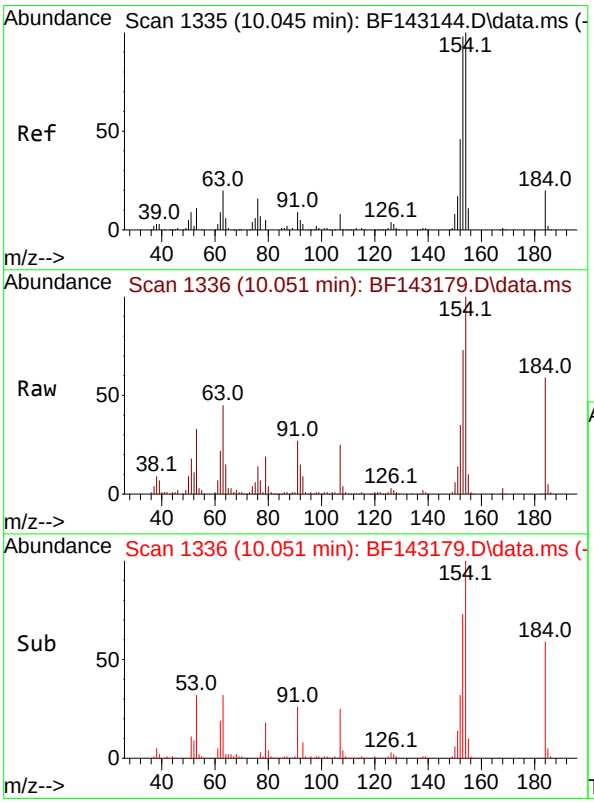
#53
3-Nitroaniline
Concen: 32.928 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:138 Resp: 157455

Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.6
92	114.4	93.0	139.4

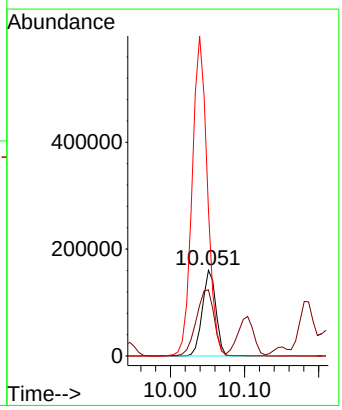


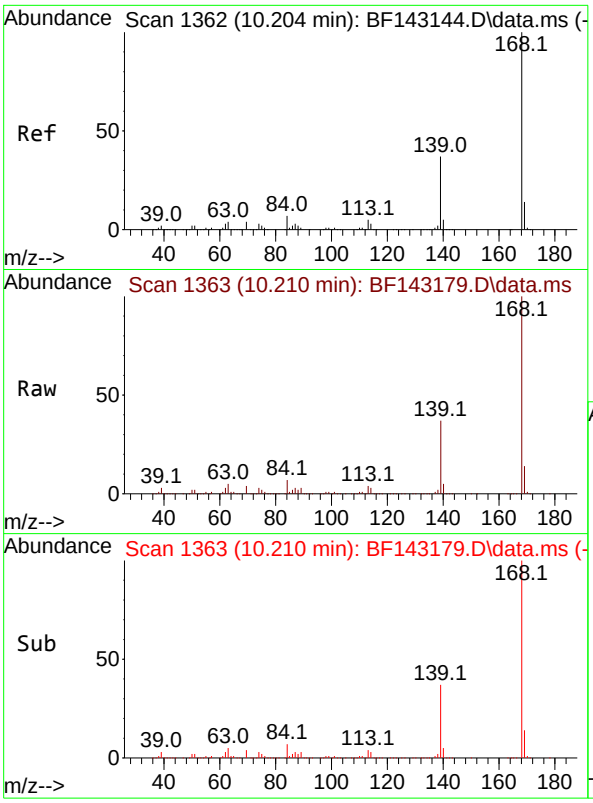


#54
2,4-Dinitrophenol
Concen: 107.647 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:184 Resp: 204107

Ion	Ratio	Lower	Upper
184	100		
63	77.2	81.8	122.6#
154	170.9	412.2	618.4#



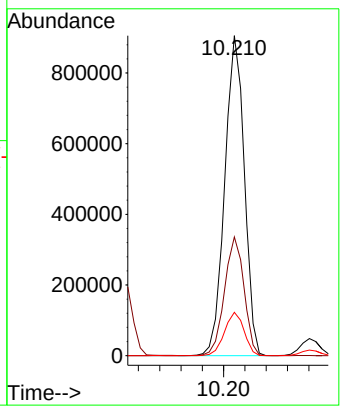


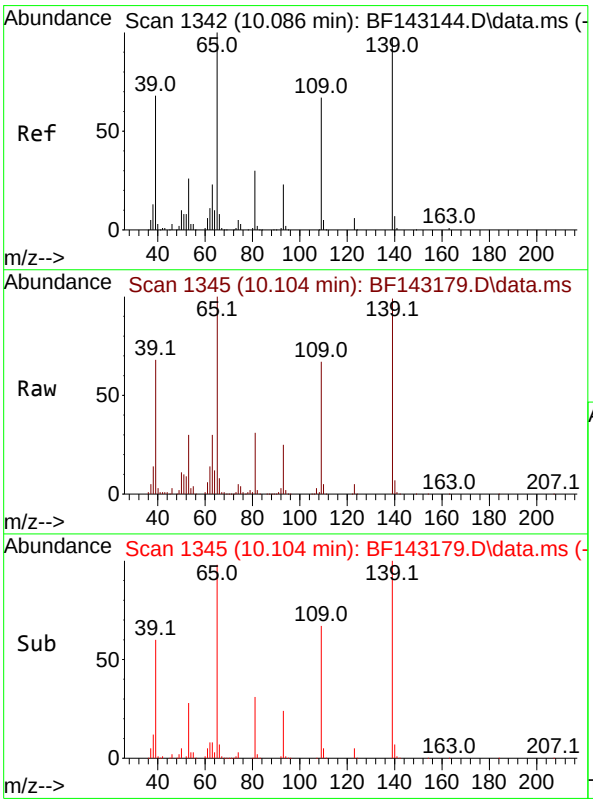
#55
Dibenzofuran
Concen: 44.122 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:168 Resp: 1154840

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.5	44.3
169	13.6	10.9	16.3

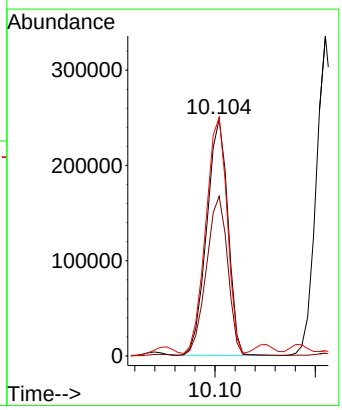


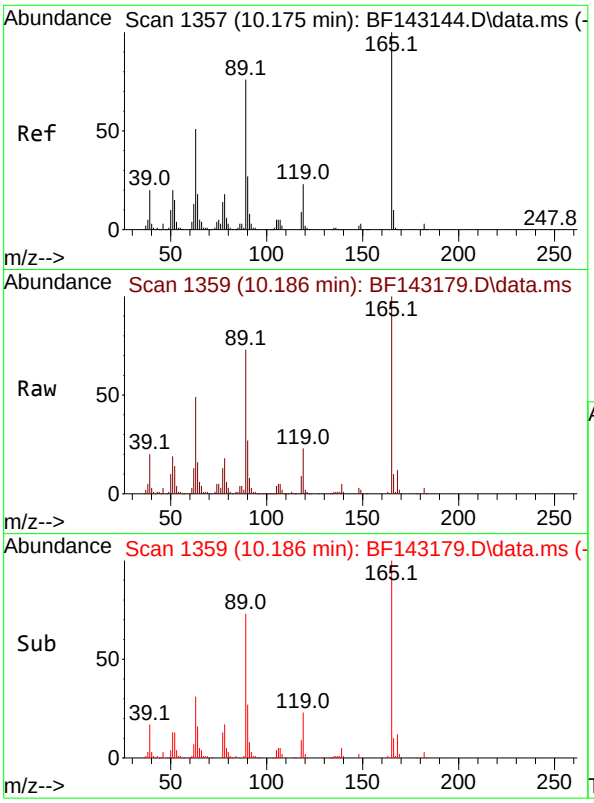


#56
4-Nitrophenol
Concen: 102.167 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:139 Resp: 364810

Ion	Ratio	Lower	Upper
139	100		
109	67.4	48.5	88.5
65	100.6	83.4	123.4



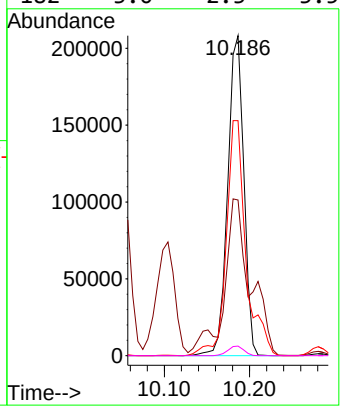


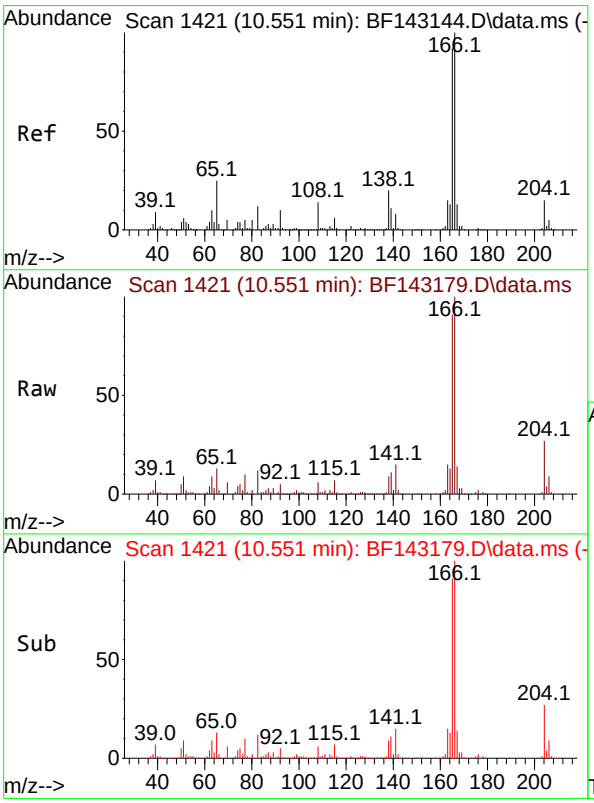
#57
2,4-Dinitrotoluene
Concen: 53.412 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:165 Resp: 273950

Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	73.4	61.1	91.7
182	3.0	2.3	3.5

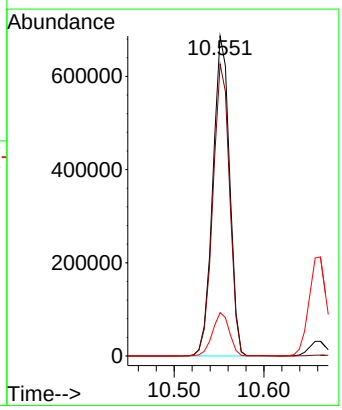


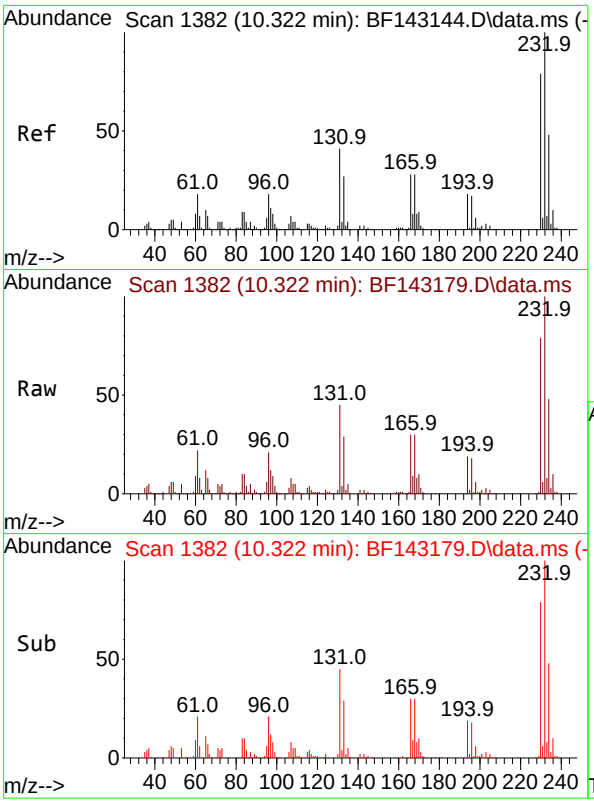


#58
Fluorene
Concen: 45.279 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:166 Resp: 889443

Ion	Ratio	Lower	Upper
166	100		
165	91.2	73.7	110.5
167	13.6	10.6	16.0



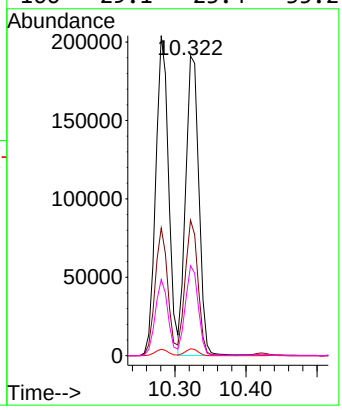


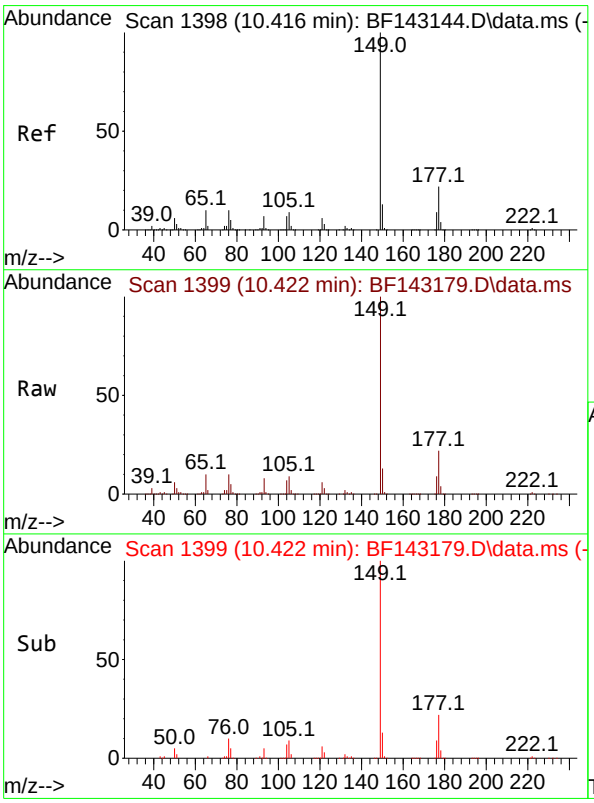
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.390 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:232 Resp: 247005

Ion	Ratio	Lower	Upper
232	100		
131	43.6	35.3	52.9
130	2.2	1.7	2.5
166	29.1	23.4	35.2

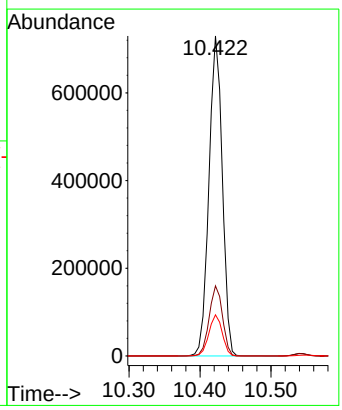


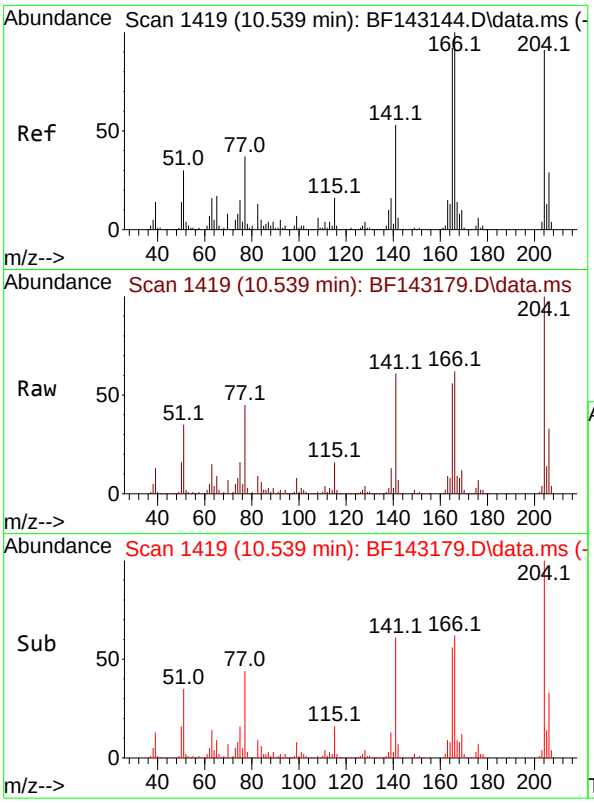


#60
Diethylphthalate
Concen: 48.030 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 954021

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.9	10.2	15.2



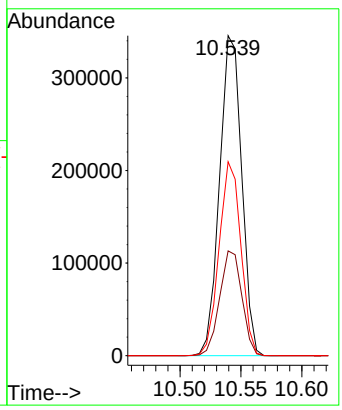


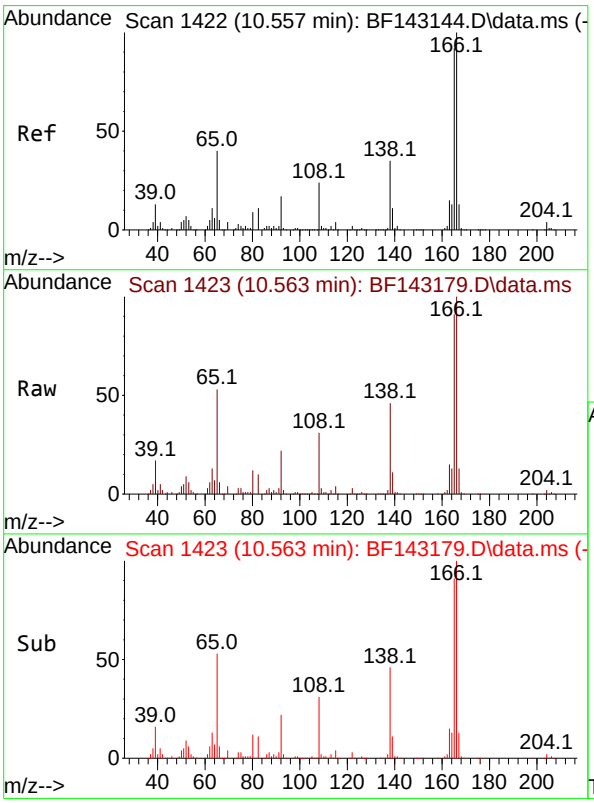
#61
4-Chlorophenyl-phenylether
Concen: 44.778 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:204 Resp: 437991

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	60.6	47.0	70.4

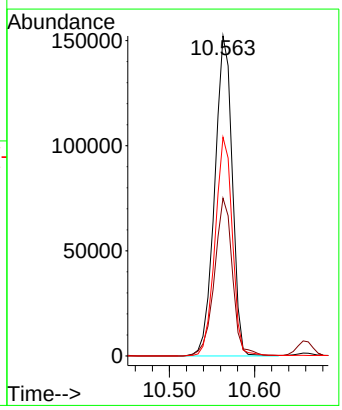


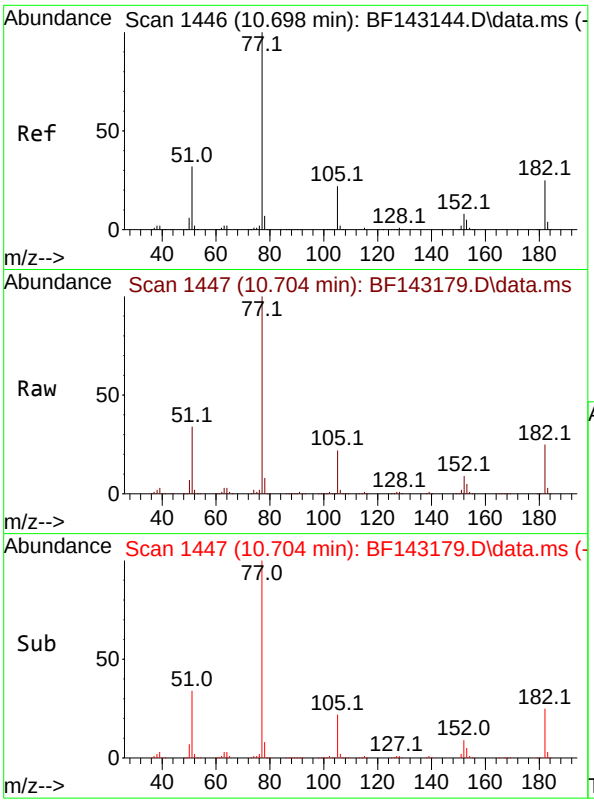


#62
4-Nitroaniline
Concen: 53.103 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:138 Resp: 217627

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	68.4	48.3	88.3



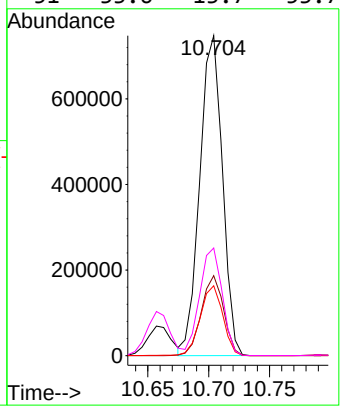


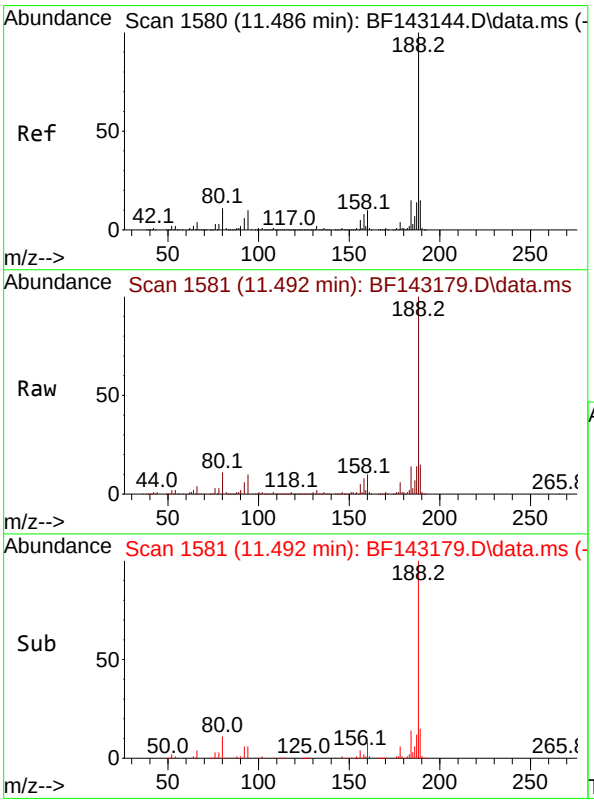
#63
Azobenzene
Concen: 46.773 ng
RT: 10.704 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion: 77 Resp: 968287

Ion	Ratio	Lower	Upper
77	100		
182	25.0	4.6	44.6
105	21.8	1.4	41.4
51	33.6	13.7	53.7

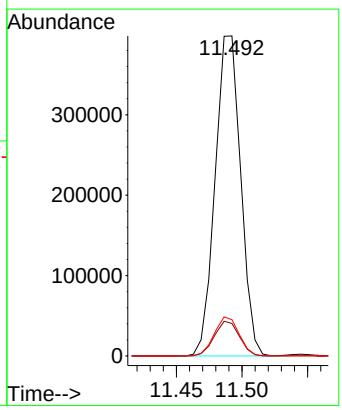


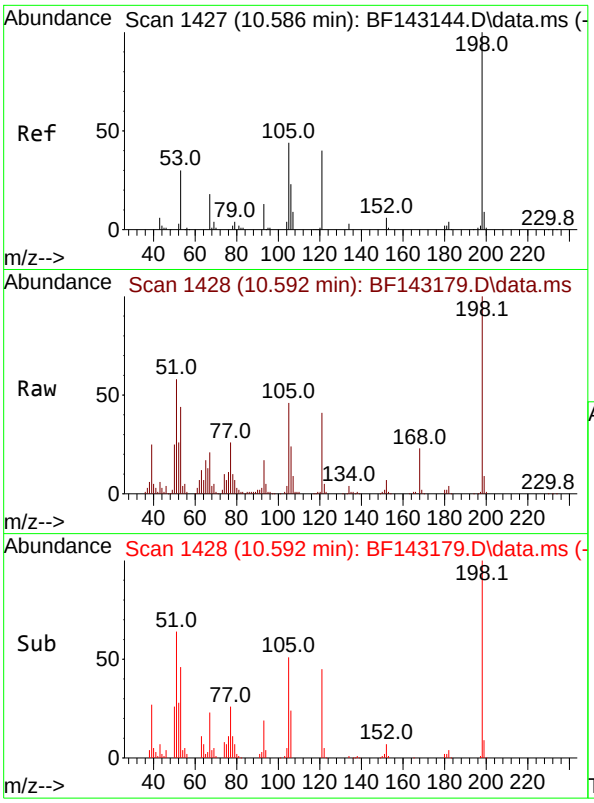


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:188 Resp: 540032

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.3	12.5
80	11.3	9.0	13.6



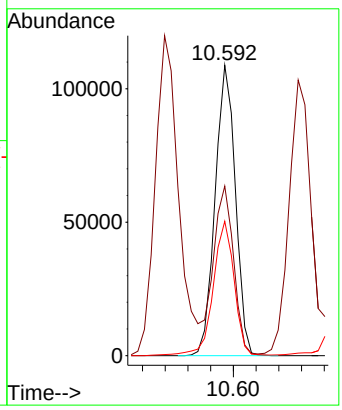


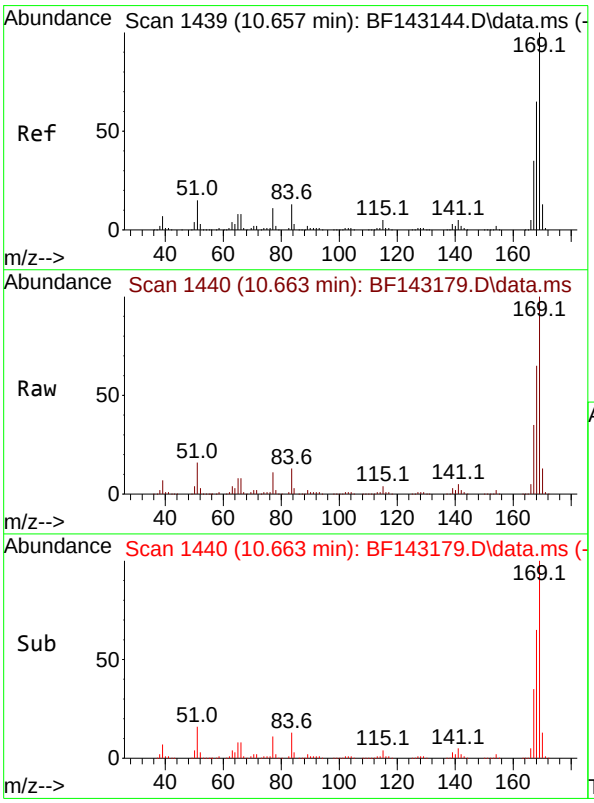
#65
4,6-Dinitro-2-methylphenol
Concen: 47.684 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:198 Resp: 134879

Ion	Ratio	Lower	Upper
198	100		
51	58.4	37.2	77.2
105	46.3	24.8	64.8

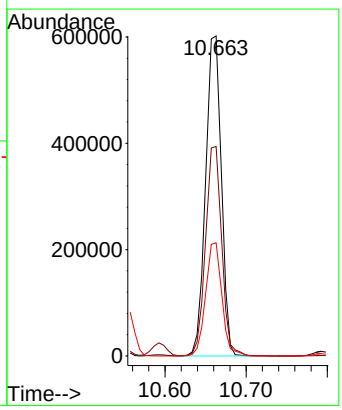


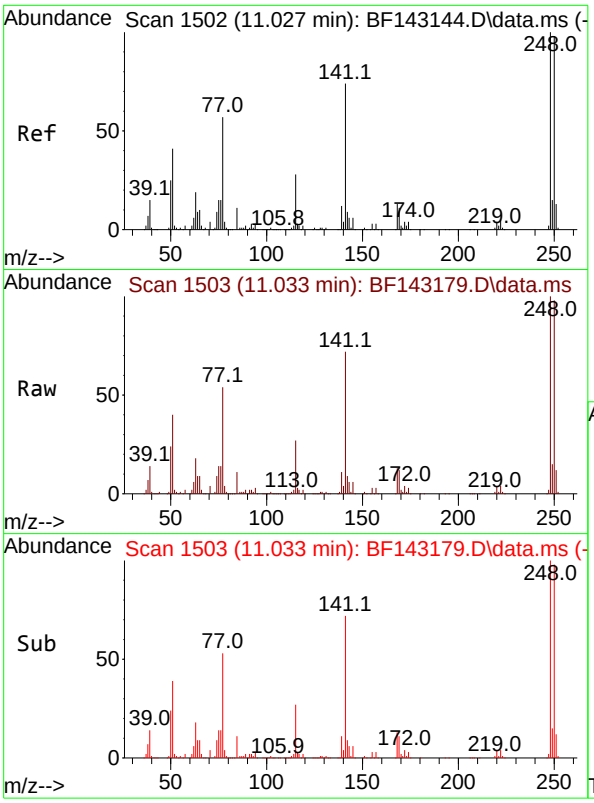


#66
n-Nitrosodiphenylamine
Concen: 42.574 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:169 Resp: 809593

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.1	78.1
167	35.3	28.2	42.2



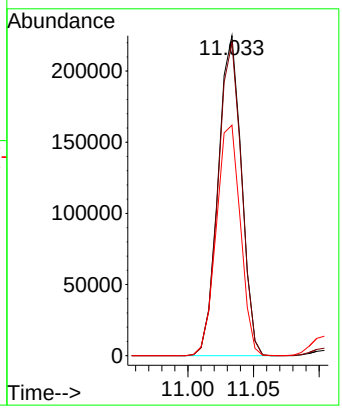


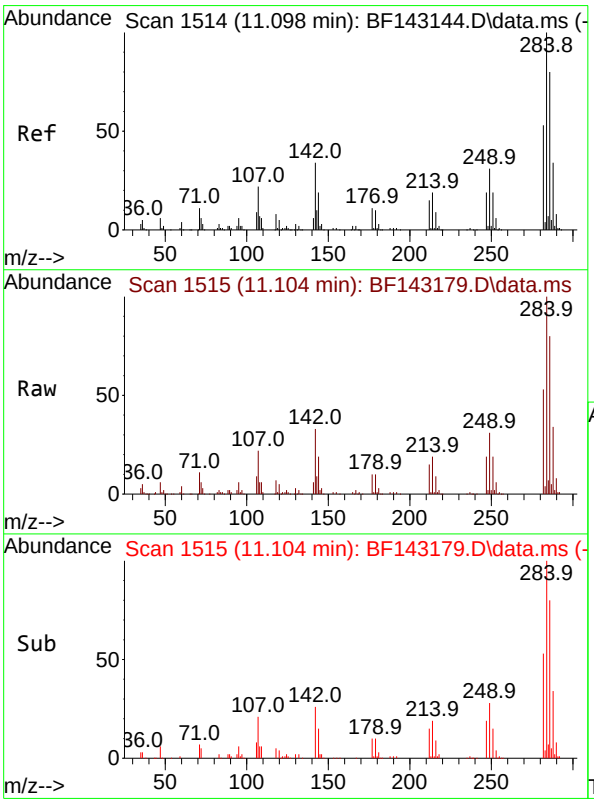
#67
4-Bromophenyl-phenylether
Concen: 43.267 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:248 Resp: 278455

Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.3	117.5
141	72.1	59.2	88.8

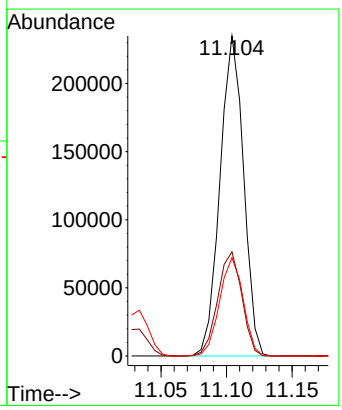


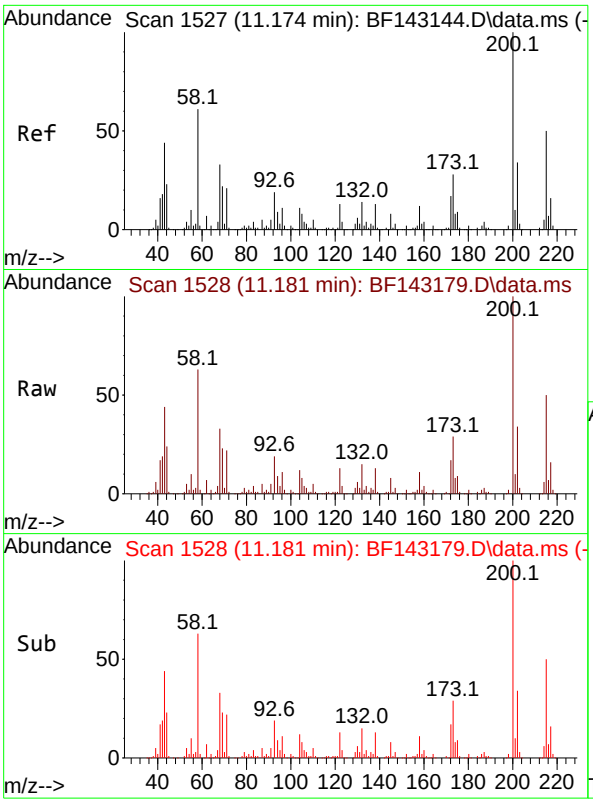


#68
Hexachlorobenzene
Concen: 43.557 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:284 Resp: 292998

Ion	Ratio	Lower	Upper
284	100		
142	32.6	27.0	40.6
249	30.7	25.0	37.6



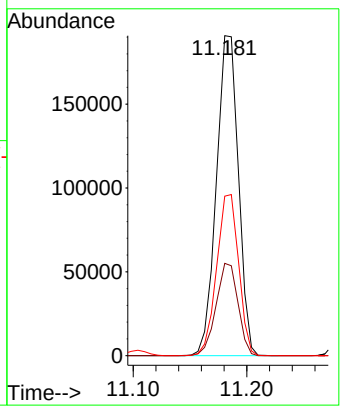


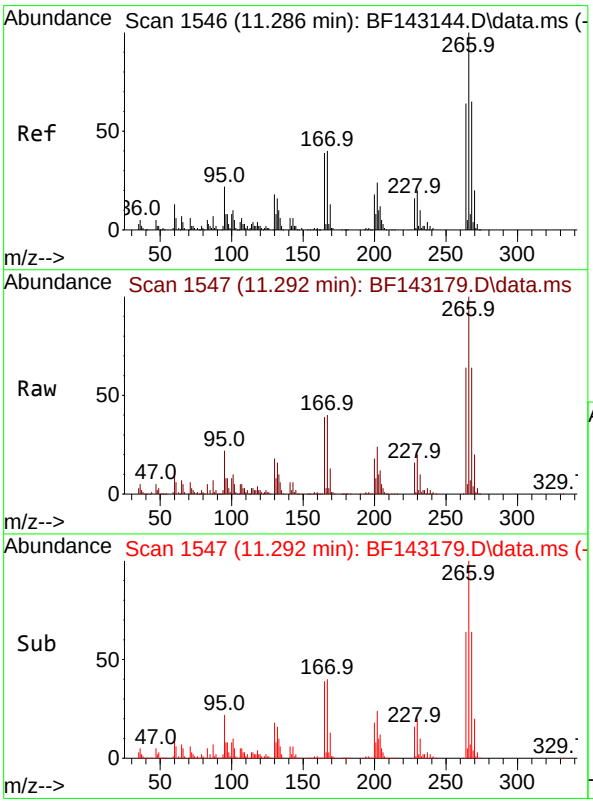
#69
Atrazine
Concen: 49.071 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:200 Resp: 257256

Ion	Ratio	Lower	Upper
200	100		
173	28.8	7.9	47.9
215	49.8	30.1	70.1

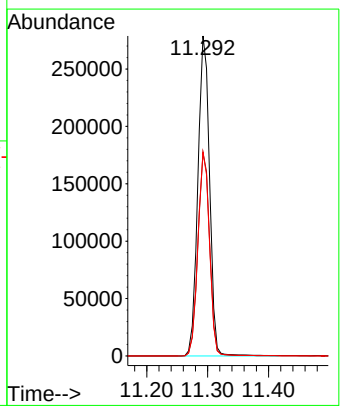


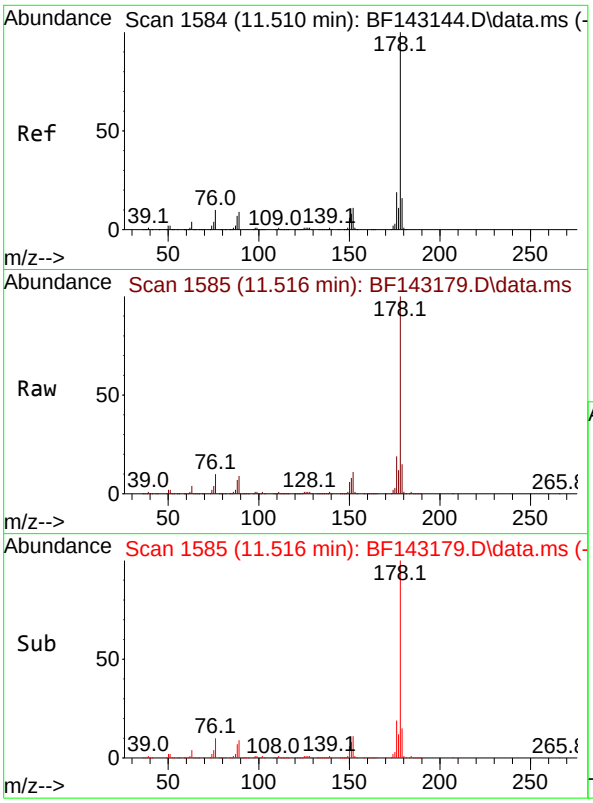


#70
Pentachlorophenol
Concen: 93.487 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:266 Resp: 369820

Ion	Ratio	Lower	Upper
266	100		
268	63.6	51.9	77.9
264	63.6	51.0	76.6



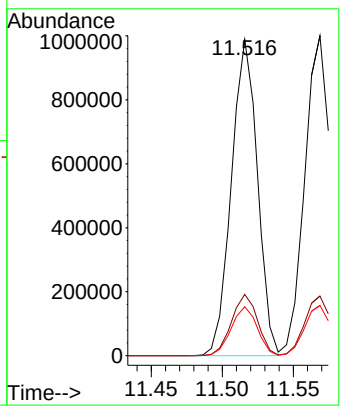


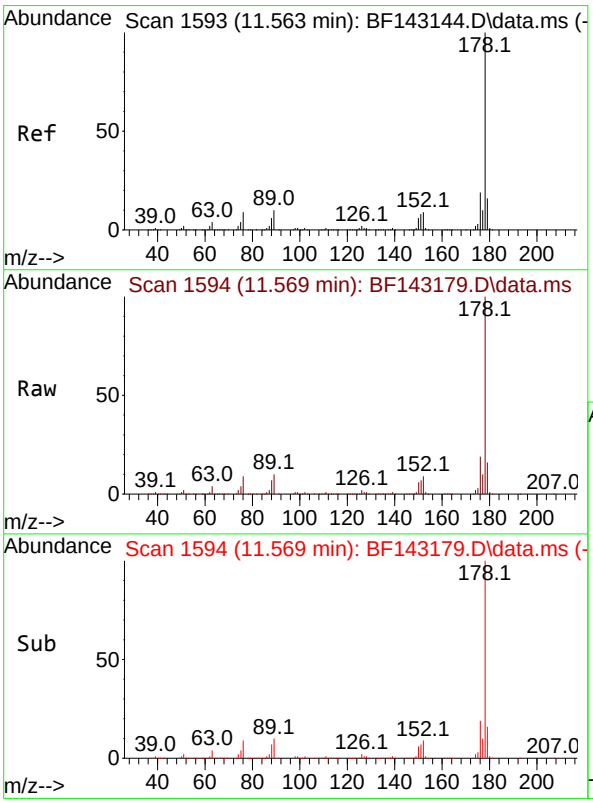
#71
Phenanthrene
Concen: 43.992 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:178 Resp: 1261416

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.5	12.5	18.7

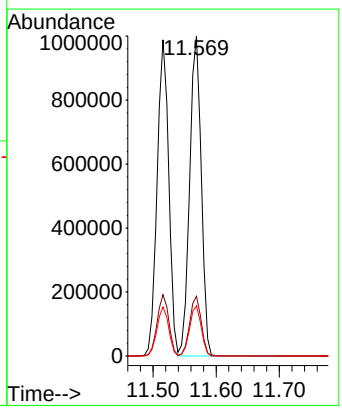


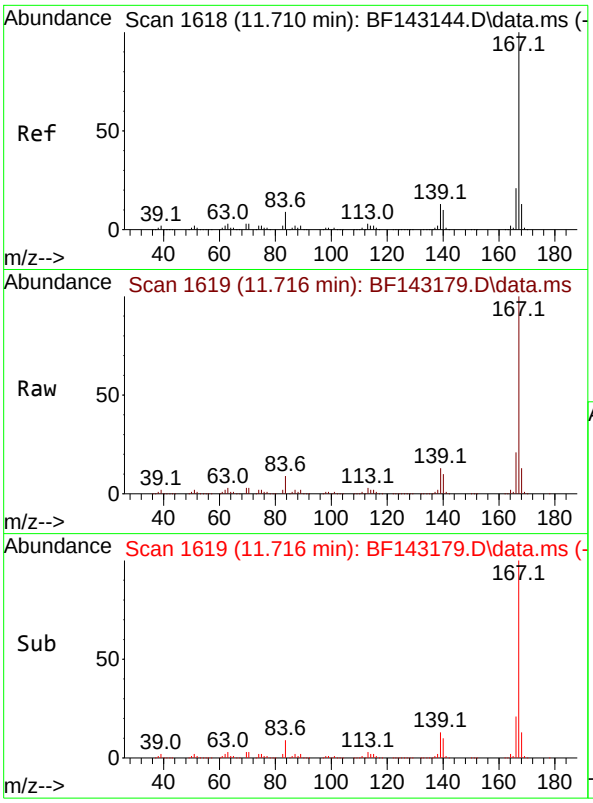


#72
Anthracene
Concen: 43.585 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:178 Resp: 1274603

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.7	12.5	18.7



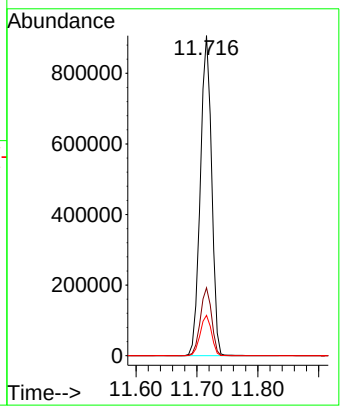


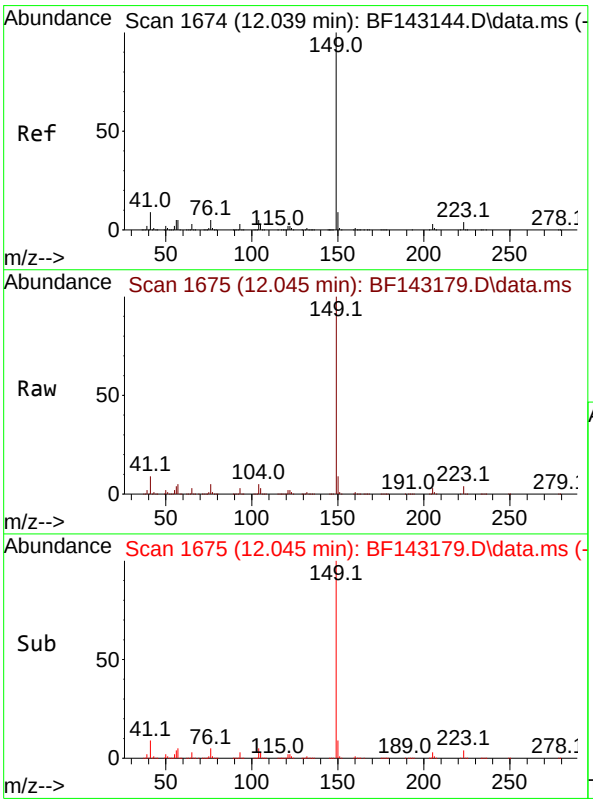
#73
Carbazole
Concen: 45.721 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:167 Resp: 1167519

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.6	10.0	15.0

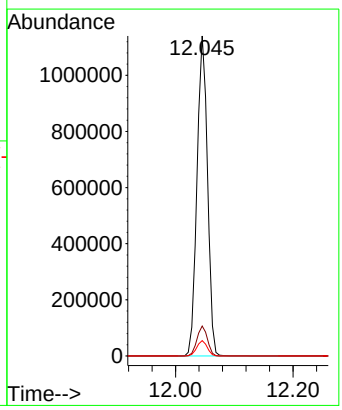


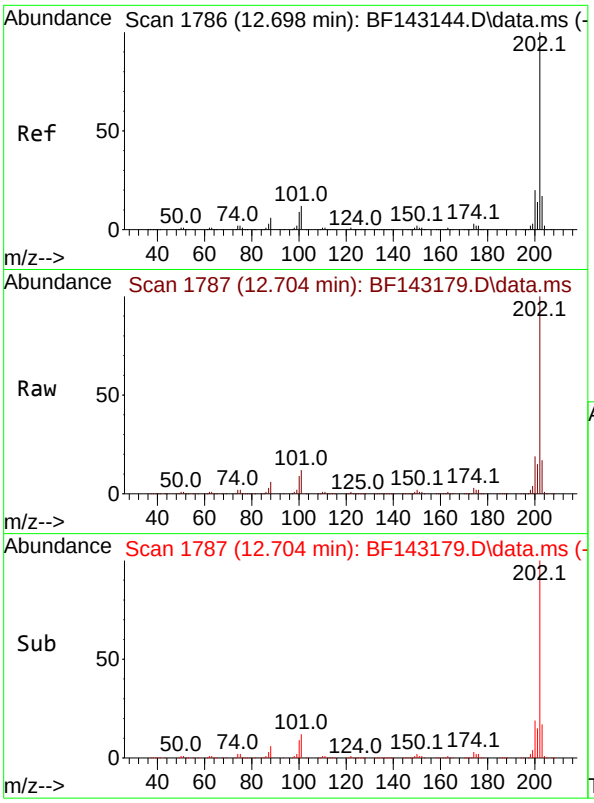


#74
Di-n-butylphthalate
Concen: 48.912 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 1413258

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.8	3.8	5.8



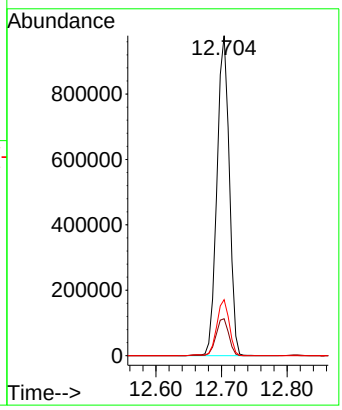


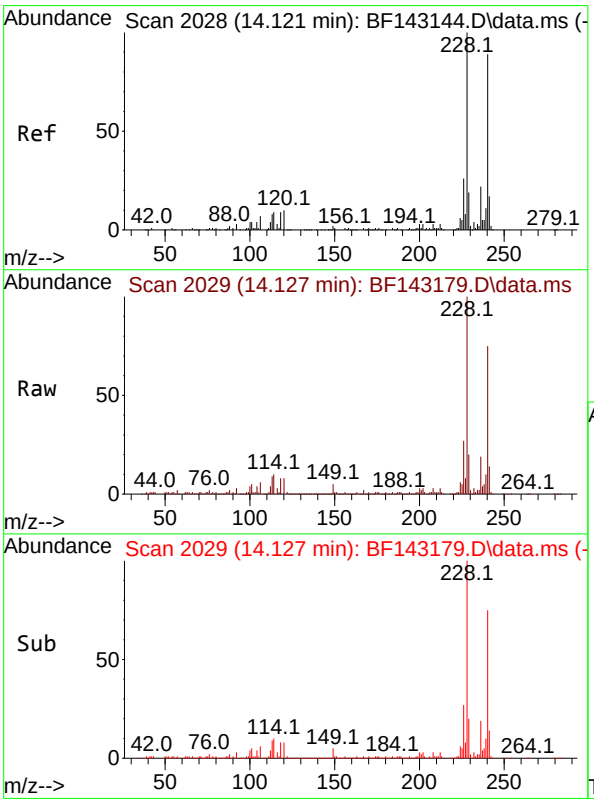
#75
Fluoranthene
Concen: 48.349 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:202 Resp: 1272502

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.5	0.0	37.4

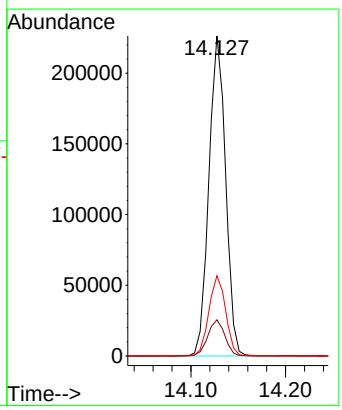


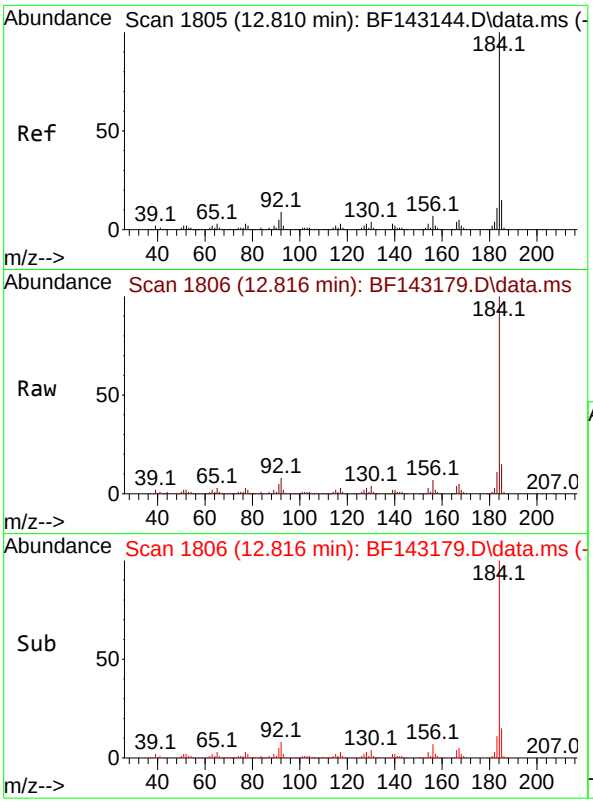


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:240 Resp: 276421

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.4	14.2
236	25.1	20.2	30.4



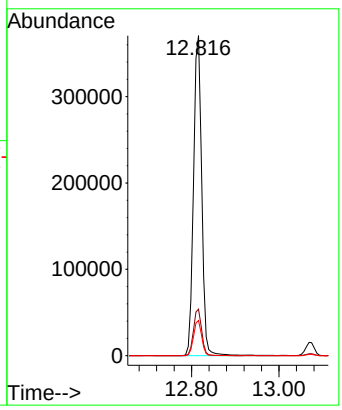


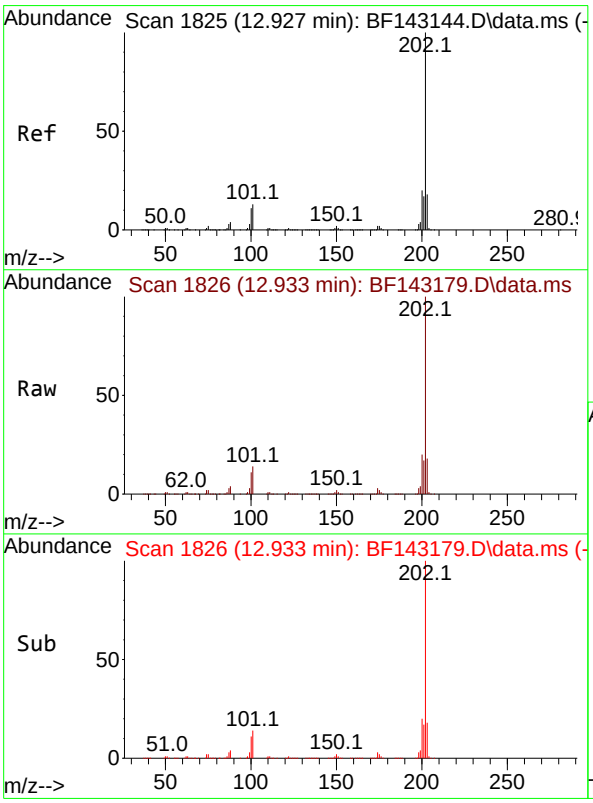
#77
Benzidine
Concen: 45.460 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:184 Resp: 484143

Ion	Ratio	Lower	Upper
184	100		
185	14.6	12.2	18.4
183	11.0	9.0	13.4

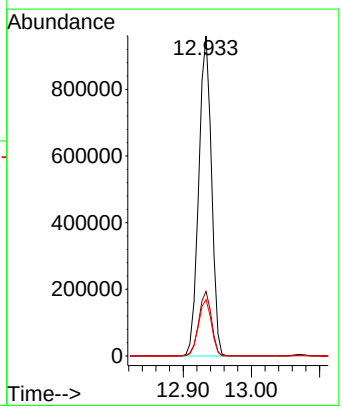


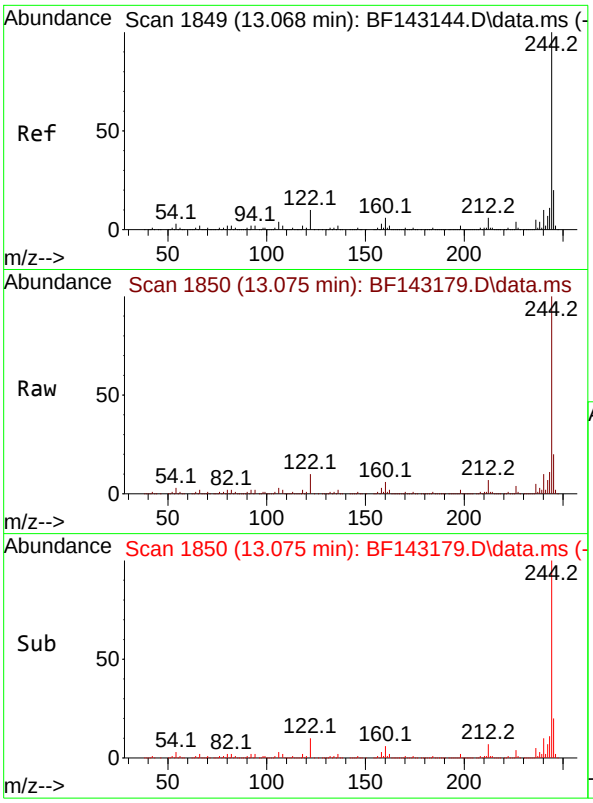


#78
Pyrene
Concen: 52.781 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:202 Resp: 1245151

Ion	Ratio	Lower	Upper
202	100		
200	20.1	15.7	23.5
203	17.6	14.2	21.2



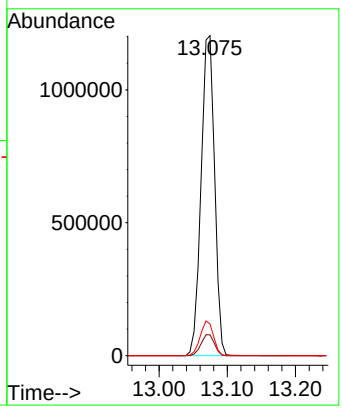


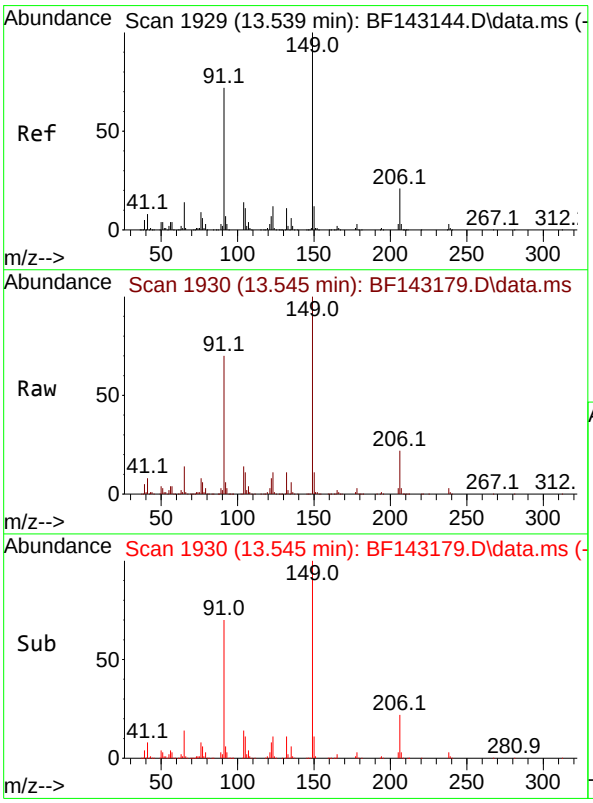
#79
Terphenyl-d14
Concen: 89.322 ng
RT: 13.075 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:244 Resp: 1659178

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	9.9	8.2	12.2

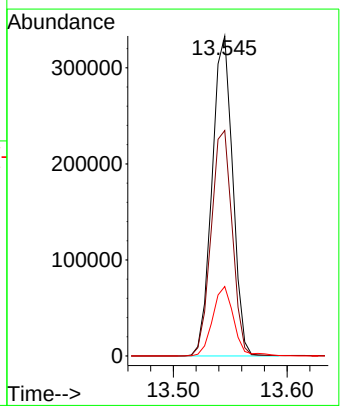


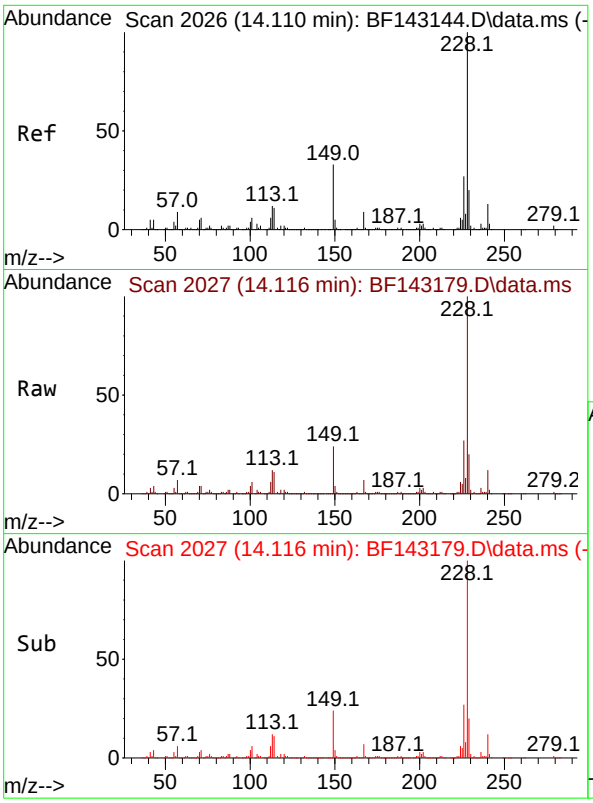


#80
Butylbenzylphthalate
Concen: 58.084 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 419591

Ion	Ratio	Lower	Upper
149	100		
91	70.5	57.9	86.9
206	21.7	17.0	25.4



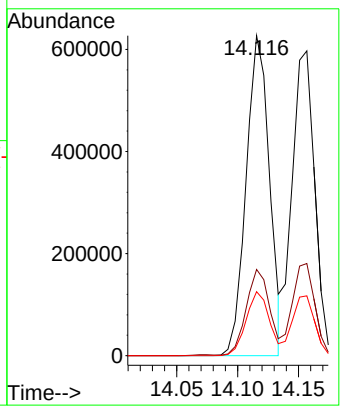


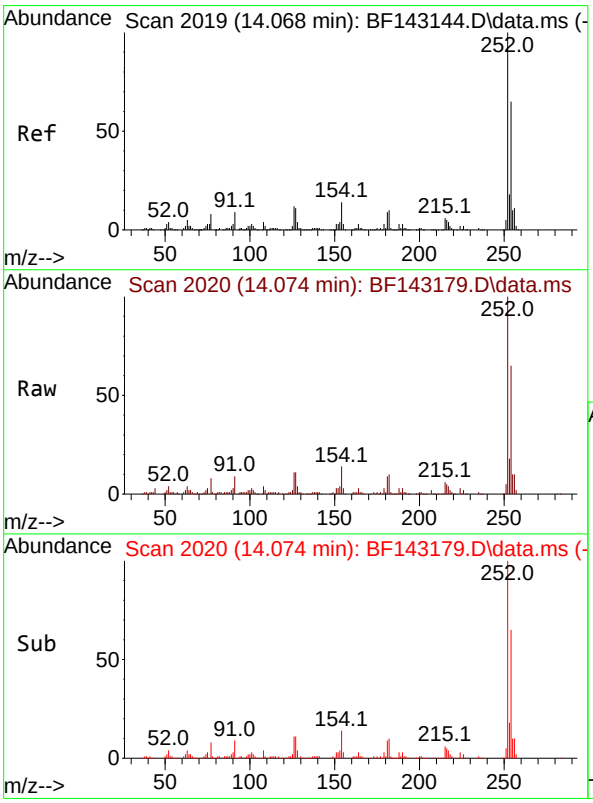
#81
Benzo(a)anthracene
Concen: 45.084 ng
RT: 14.116 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:228 Resp: 834348

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	20.0	15.8	23.6

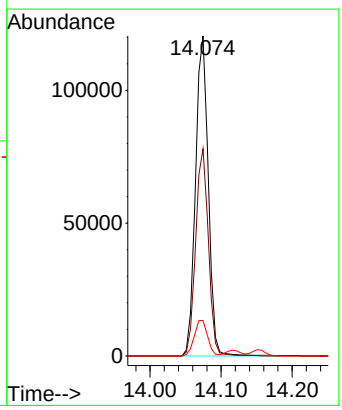


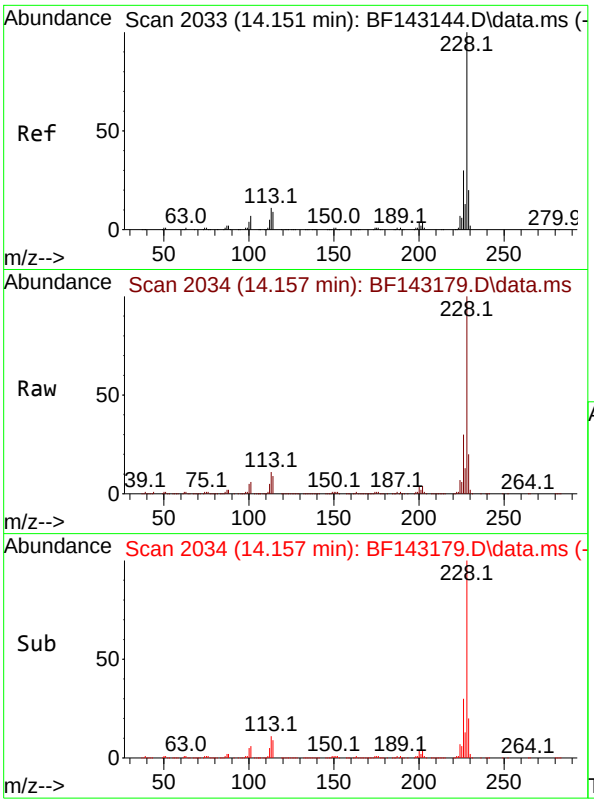


#82
3,3'-Dichlorobenzidine
Concen: 24.469 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 150923

Ion	Ratio	Lower	Upper
252	100		
254	64.8	51.7	77.5
126	11.1	9.4	14.0



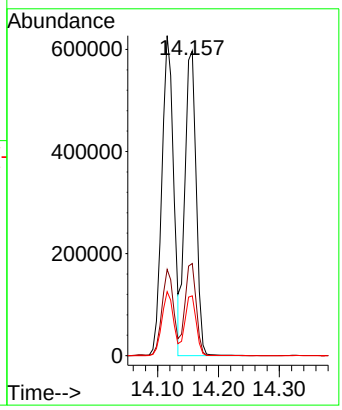


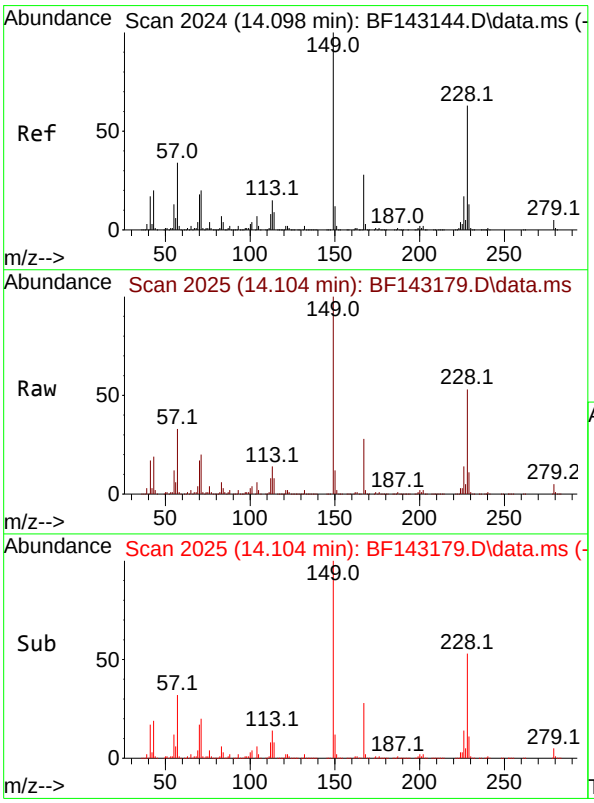
#83
Chrysene
Concen: 46.508 ng
RT: 14.157 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:228 Resp: 773845

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	19.6	15.6	23.4

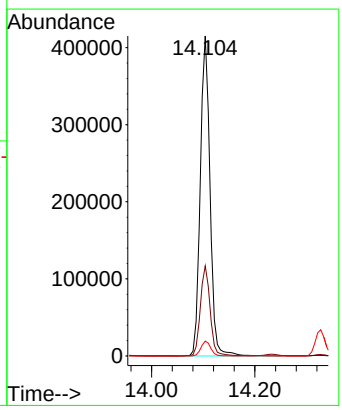


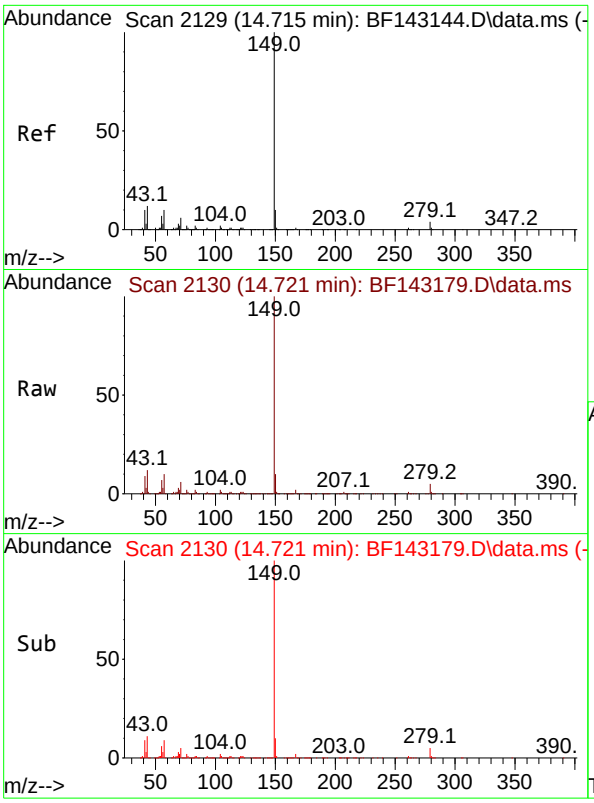


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.581 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:149 Resp: 542125

Ion	Ratio	Lower	Upper
149	100		
167	28.2	22.3	33.5
279	4.7	3.6	5.4



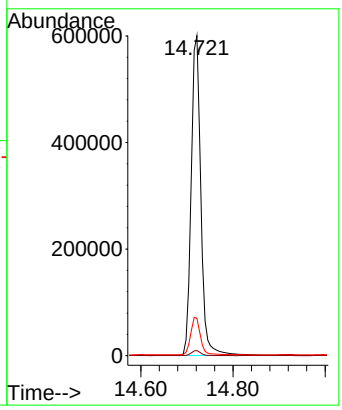


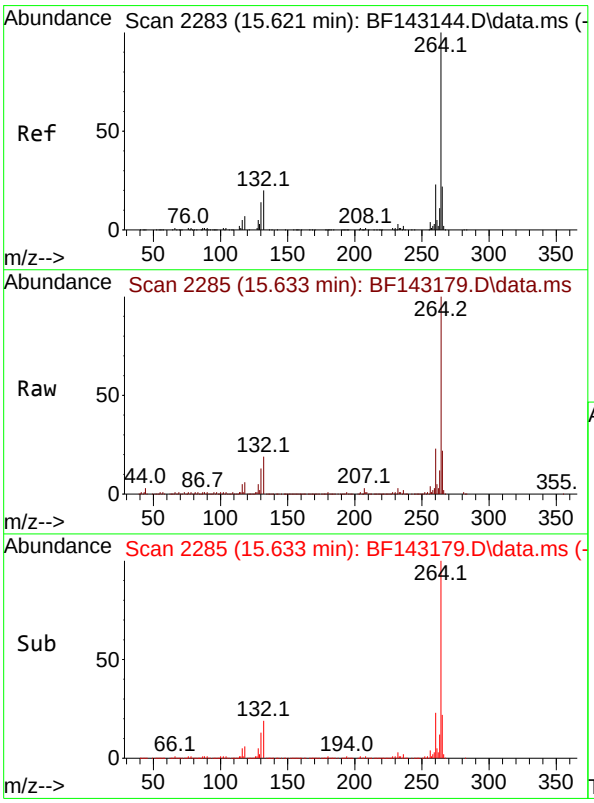
#85
Di-n-octyl phthalate
Concen: 44.043 ng
RT: 14.721 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:149 Resp: 872909

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.6	9.7	14.5

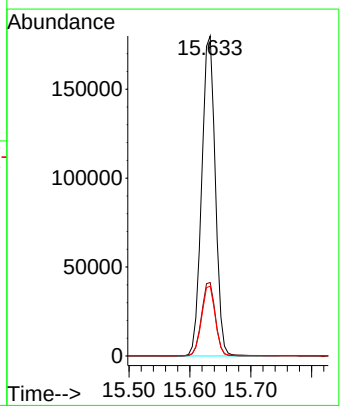


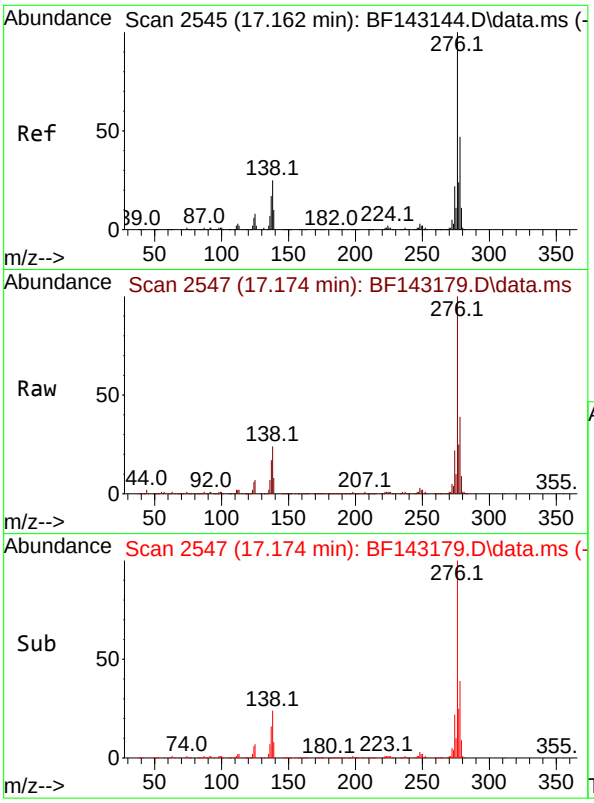


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:264 Resp: 278917

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.5	27.7
265	21.8	17.4	26.2



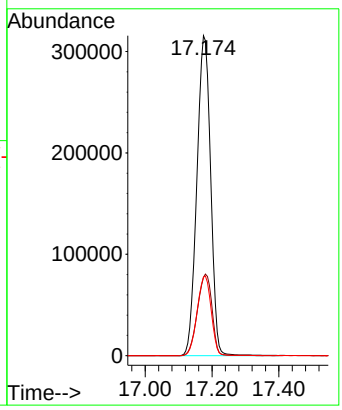


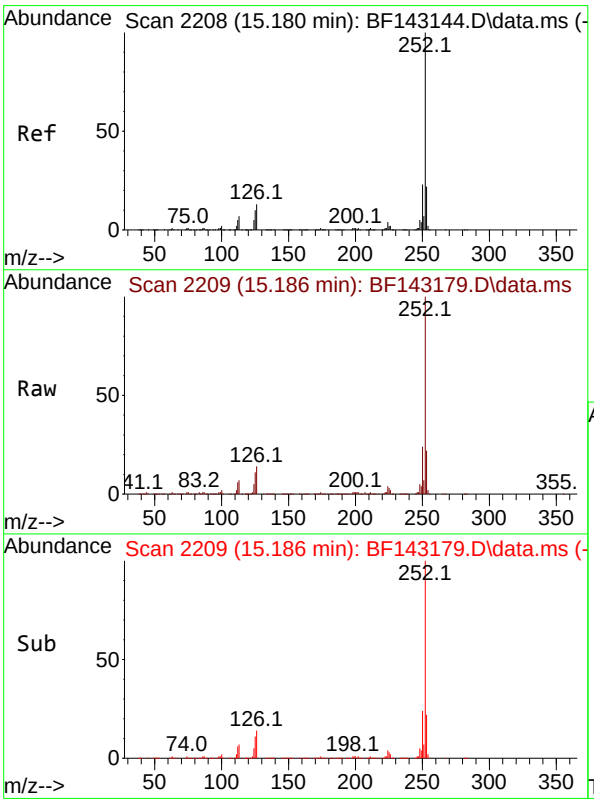
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.847 ng
RT: 17.174 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:276 Resp: 901700

Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.3	20.0	30.0

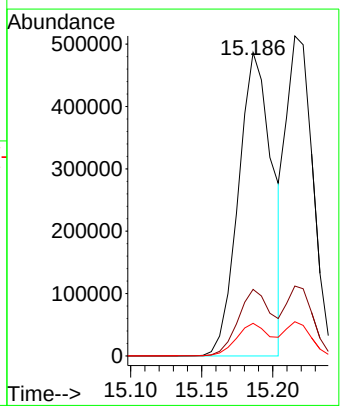


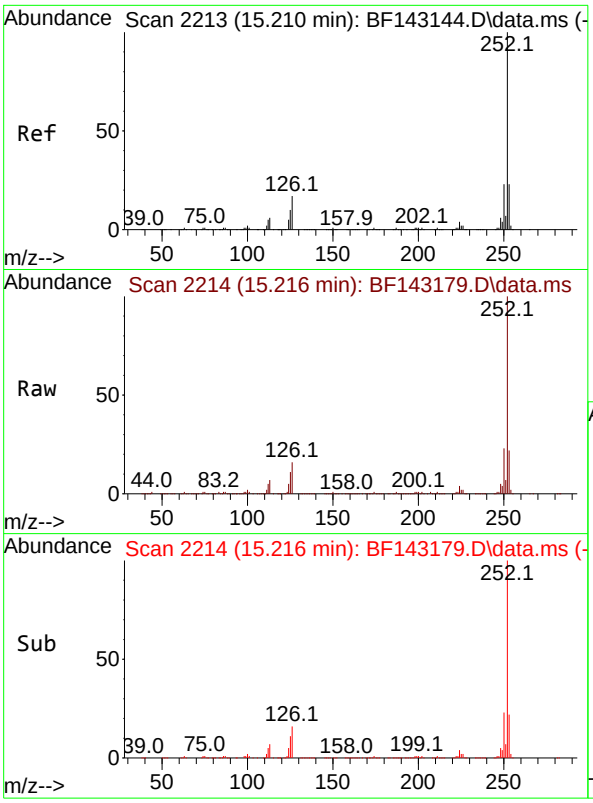


#88
Benzo(b)fluoranthene
Concen: 47.244 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 805003

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.5	26.3
125	10.8	8.0	12.0



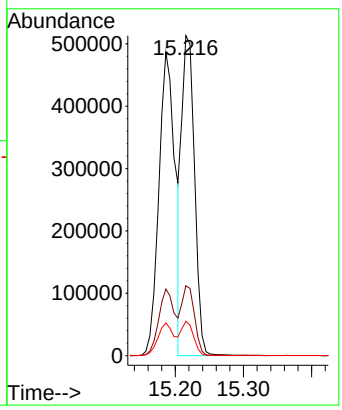


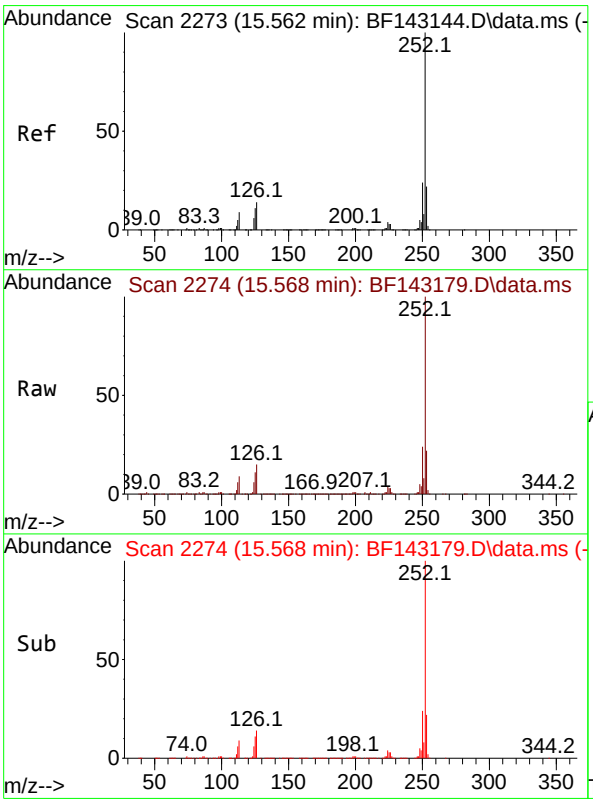
#89
Benzo(k)fluoranthene
Concen: 44.106 ng
RT: 15.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:252 Resp: 670629

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	10.7	8.1	12.1

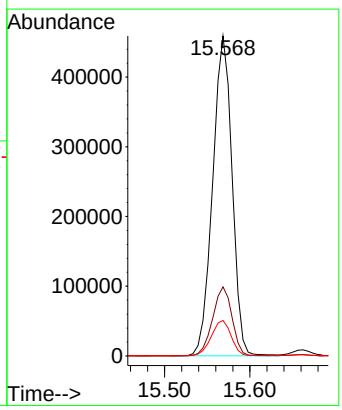


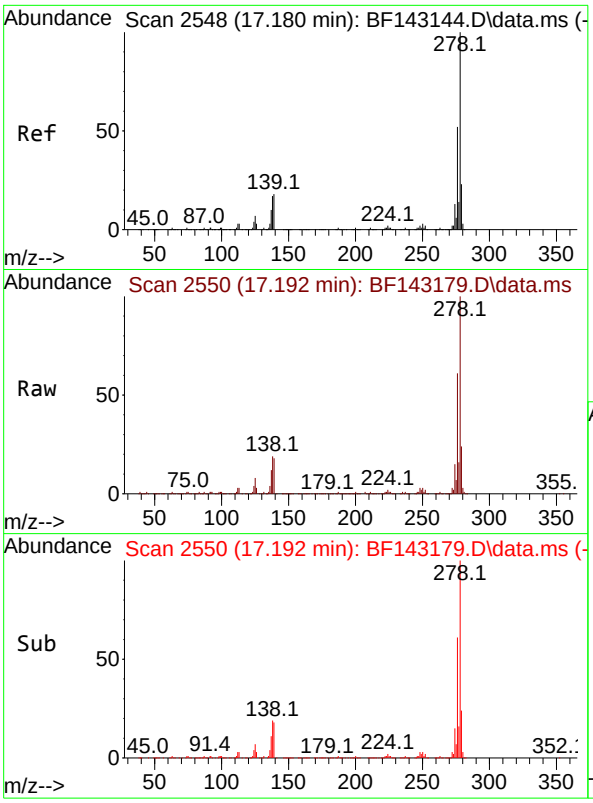


#90
Benzo(a)pyrene
Concen: 46.279 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:252 Resp: 726542

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	11.1	8.6	13.0



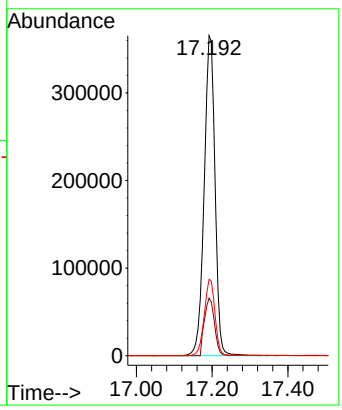


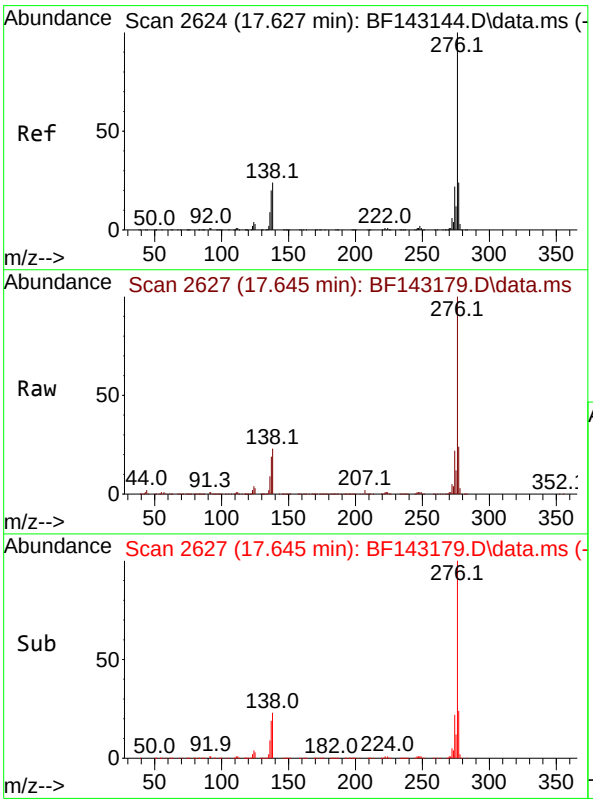
#91
Dibenzo(a,h)anthracene
Concen: 45.444 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Instrument :
BNA_F
ClientSampleId :
PB168813BS

Tgt Ion:278 Resp: 727463

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.1	21.1
279	23.8	18.6	28.0





#92
Benzo(g,h,i)perylene
Concen: 46.754 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143179.D
Acq: 22 Jul 2025 09:44

Tgt Ion:276 Resp: 723992

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	23.0	18.9	28.3