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 : Q2747

ATTENTION : Adam Roy

Laboratory Certification ID # 20012

Table Of Contents for Q2747

Table Of Contents for Q2747

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

Cover Page

Order ID : Q2747

Project ID : Raymark Superfund Site

Client : Nobis Group

Lab Sample Number	Client Sample Number
Q2747-01	OU4-TS-GRILLO-OG2-073125
Q2747-02	OU4-TS-GRILLO-OG2-073125
Q2747-03	OU4-TS-GRILLO-OG3-073125
Q2747-04	OU4-TS-GRILLO-OG3-073125
Q2747-05	OU4-TS-GRILLO-OG4-073125
Q2747-06	OU4-TS-GRILLO-OG4-073125
Q2747-07	OU4-TS-GRILLO-TSCP01-073125
Q2747-08	OU4-TS-GRILLO-TSCP01-073125
Q2747-09	OU4-TS-GRILLO-TSCP02-073125
Q2747-10	OU4-TS-GRILLO-TSCP02-073125

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 11:47 am, Aug 14, 2025

Date: 8/8/2025

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 # Q2747
Test Name: SVOCMS Group3

A. Number of Samples and Date of Receipt:

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

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um df. The 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 for,
VNJ-253MS [Terphenyl-d14 - 47%],
VNJ-253MSD [Terphenyl-d14 - 51%],
OU4-TS-GRILLO-OG2-073125 [Terphenyl-d14 - 42%],
OU4-TS-GRILLO-OG3-073125 [Terphenyl-d14 - 38%],
OU4-TS-GRILLO-OG4-073125 [Terphenyl-d14 - 39%],
OU4-TS-GRILLO-TSCP01-073125 [Terphenyl-d14 - 40%] and
OU4-TS-GRILLO-TSCP02-073125 [Terphenyl-d14 - 42%], As per SOP one base surrogate is allowed to fail, 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 {Q2734-01MS} with File ID: BF143313.D recoveries met the requirements for all compounds except for Benzo(a)anthracene[127%], Benzo(b)fluoranthene[136%], Fluoranthene[182%] and Pyrene[136%], Recovery's failed due to matrix interference, therefor no further corrective action was taken.

The MSD {Q2734-01MSD} with File ID: BF143314.D recoveries met the requirements for all compounds except for Benzo(a)anthracene[127%], Benzo(b)fluoranthene[136%], Chrysene[127%], Fluoranthene[200%] and Pyrene[145%], , Recovery's failed due to matrix interference, therefor no further corrective action was taken.

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

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
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 11:49 am, Aug 14, 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

QA Control # A3040960

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

NEW JERSEY LAB ID#: 20012: NEW YORK LAB ID#: 11376

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

ORDER ID: Q2747 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.	Surrogate Recoveries Meet Criteria		✓	

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

The Surrogate recoveries were met for all analysis except for,
VNJ-253MS [Terphenyl-d14 - 47%],
VNJ-253MSD [Terphenyl-d14 - 51%],
OU4-TS-GRILLO-OG2-073125 [Terphenyl-d14 - 42%],
OU4-TS-GRILLO-OG3-073125 [Terphenyl-d14 - 38%],
OU4-TS-GRILLO-OG4-073125 [Terphenyl-d14 - 39%],
OU4-TS-GRILLO-TSCP01-073125 [Terphenyl-d14 - 40%] and
OU4-TS-GRILLO-TSCP02-073125 [Terphenyl-d14 - 42%], As per SOP one base surrogate is allowed to fail, therefor no further corrective action was taken.

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

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

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

The MS {Q2734-01MS} with File ID: BF143313.D recoveries met the requirements for all compounds except for Benzo(a)anthracene[127%], Benzo(b)fluoranthene[136%], Fluoranthene[182%] and Pyrene[136%], Recovery's failed due to matrix interference, therefor no further corrective action was taken.

The MSD {Q2734-01MSD} with File ID: BF143314.D recoveries met the requirements for all compounds except for Benzo(a)anthracene[127%], Benzo(b)fluoranthene[136%], Chrysene[127%], Fluoranthene[200%] and Pyrene[145%], , Recovery's failed due to matrix interference, therefor no further corrective action was taken.

The Blank Spike met requirements for all compounds.

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 11:27 am, Aug 14, 2025

Date

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2747**

	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:** **08/08/2025**

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

LAB CHRONICLE

OrderID:	Q2747	**OrderDate:**	8/1/2025 10:40:00 AM
Client:	Nobis Group	**Project:**	Raymark Superfund Site
Contact:	Adam Roy	**Location:**	O32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2747-01	**OU4-TS-GRILLO-OG2-073125**	**SOIL**			**07/31/25**			**08/01/25**
			SVOCMS Group3	8270E		08/04/25	08/05/25	
Q2747-03	**OU4-TS-GRILLO-OG3-073125**	**SOIL**			**07/31/25**			**08/01/25**
			SVOCMS Group3	8270E		08/04/25	08/05/25	
Q2747-05	**OU4-TS-GRILLO-OG4-073125**	**SOIL**			**07/31/25**			**08/01/25**
			SVOCMS Group3	8270E		08/04/25	08/05/25	
Q2747-07	**OU4-TS-GRILLO-TSCP 01-073125**	**SOIL**			**07/31/25**			**08/01/25**
			SVOCMS Group3	8270E		08/04/25	08/05/25	
Q2747-09	**OU4-TS-GRILLO-TSCP 02-073125**	**SOIL**			**07/31/25**			**08/01/25**
			SVOCMS Group3	8270E		08/04/25	08/05/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2747

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**OU4-TS-GRILLO-OG2-073125**								
Q2747-01	OU4-TS-GRILLO-OG2-(	SOIL	Fluoranthene	0.120	J	0.040	0.17	0.22	mg/Kg
Q2747-01	OU4-TS-GRILLO-OG2-(	SOIL	Benzo(b)fluoranthene	0.099	J	0.025	0.17	0.22	mg/Kg
			Total Svoc :	**0.22**					
			Total Concentration:	**0.22**					
Client ID :	**OU4-TS-GRILLO-OG3-073125**								
Q2747-03	OU4-TS-GRILLO-OG3-(	SOIL	Fluoranthene	0.130	J	0.039	0.17	0.22	mg/Kg
Q2747-03	OU4-TS-GRILLO-OG3-(	SOIL	Benzo(b)fluoranthene	0.089	J	0.025	0.17	0.22	mg/Kg
			Total Svoc :	**0.22**					
			Total Concentration:	**0.22**					
Client ID :	**OU4-TS-GRILLO-OG4-073125**								
Q2747-05	OU4-TS-GRILLO-OG4-(	SOIL	Fluoranthene	0.110	J	0.037	0.16	0.21	mg/Kg
			Total Svoc :	**0.11**					
			Total Concentration:	**0.11**					
Client ID :	**OU4-TS-GRILLO-TSCP01-073125**								
Q2747-07	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.230	J	0.045	0.20	0.26	mg/Kg
Q2747-07	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.140	J	0.054	0.20	0.26	mg/Kg
Q2747-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.150	J	0.035	0.20	0.26	mg/Kg
Q2747-07	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.200	J	0.030	0.20	0.26	mg/Kg
Q2747-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.330		0.029	0.20	0.26	mg/Kg
Q2747-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.160	J	0.044	0.20	0.26	mg/Kg
Q2747-07	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.110	J	0.039	0.20	0.26	mg/Kg
			Total Svoc :	**1.32**					
			Total Concentration:	**1.32**					
Client ID :	**OU4-TS-GRILLO-TSCP02-073125**								
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Fluoranthene	0.280		0.047	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Pyrene	0.180	J	0.056	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)anthracene	0.160	J	0.036	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Chrysene	0.220	J	0.031	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(b)fluoranthene	0.360		0.030	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(k)fluoranthene	0.120	J	0.035	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(a)pyrene	0.200	J	0.046	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Indeno(1,2,3-cd)pyrene	0.110	J	0.046	0.20	0.27	mg/Kg
Q2747-09	OU4-TS-GRILLO-TSCP(	SOIL	Benzo(g,h,i)perylene	0.140	J	0.040	0.20	0.27	mg/Kg
			Total Svoc :	**1.77**					
			Total Concentration:	**1.77**					

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

Hit Summary Sheet
SW-846

SDG No.: Q2747

Client: Nobis Group

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	LOD	RDL	Units

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q2747

Client: Nobis Group

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169095BL	PB169095BL	Nitrobenzene-d5	100	85.1	85		37	122
		2-Fluorobiphenyl	100	82.1	82		44	115
		Terphenyl-d14	100	82.4	82		54	127
PB169095BS	PB169095BS	Nitrobenzene-d5	100	82.0	82		37	122
		2-Fluorobiphenyl	100	79.4	79		44	115
		Terphenyl-d14	100	80.3	80		54	127
Q2734-01MS	VNJ-253MS	Nitrobenzene-d5	100	56.4	56		37	122
		2-Fluorobiphenyl	100	59.0	59		44	115
		Terphenyl-d14	100	47.0	47	*	54	127
Q2734-01MSD	VNJ-253MSD	Nitrobenzene-d5	100	60.6	61		37	122
		2-Fluorobiphenyl	100	64.5	64		44	115
		Terphenyl-d14	100	50.7	51	*	54	127
Q2747-01	OU4-TS-GRILLO-OG2-073125	Nitrobenzene-d5	100	57.1	57		37	122
		2-Fluorobiphenyl	100	55.7	56		44	115
		Terphenyl-d14	100	41.8	42	*	54	127
Q2747-03	OU4-TS-GRILLO-OG3-073125	Nitrobenzene-d5	100	55.7	56		37	122
		2-Fluorobiphenyl	100	53.4	53		44	115
		Terphenyl-d14	100	38.0	38	*	54	127
Q2747-05	OU4-TS-GRILLO-OG4-073125	Nitrobenzene-d5	100	59.0	59		37	122
		2-Fluorobiphenyl	100	59.0	59		44	115
		Terphenyl-d14	100	39.4	39	*	54	127
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Nitrobenzene-d5	100	50.6	51		37	122
		2-Fluorobiphenyl	100	50.3	50		44	115
		Terphenyl-d14	100	40.3	40	*	54	127
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Nitrobenzene-d5	100	55.5	56		37	122
		2-Fluorobiphenyl	100	57.4	57		44	115
		Terphenyl-d14	100	42.2	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.: Q2747 **Analytical Method:** SW8270E

Client: Nobis Group **DataFile:** BF143313.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2734-01MS		**Client Sample ID:**	**VNJ-253MS**								
Naphthalene	1100	0	880	ug/Kg	80				35	123	
2-Methylnaphthalene	1100	0	870	ug/Kg	79				38	122	
Acenaphthylene	1100	0	880	ug/Kg	80				32	132	
Acenaphthene	1100	0	890	ug/Kg	81				40	123	
Fluorene	1100	0	860	ug/Kg	78				43	125	
Phenanthrene	1100	0	1200	ug/Kg	109				50	121	
Anthracene	1100	0	970	ug/Kg	88				47	123	
Fluoranthene	1100	0	2000	ug/Kg	182	*			50	127	
Pyrene	1100	0	1500	ug/Kg	136	*			47	127	
Benzo(a)anthracene	1100	0	1400	ug/Kg	127	*			49	126	
Chrysene	1100	0	1300	ug/Kg	118				50	124	
Benzo(b)fluoranthene	1100	0	1500	ug/Kg	136	*			45	132	
Benzo(k)fluoranthene	1100	0	1300	ug/Kg	118				47	132	
Benzo(a)pyrene	1100	0	1300	ug/Kg	118				45	129	
Indeno(1,2,3-cd)pyrene	1100	0	830	ug/Kg	75				45	133	
Dibenz(a,h)anthracene	1100	0	730	ug/Kg	66				45	134	
Benzo(g,h,i)perylene	1100	0	860	ug/Kg	78				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.: Q2747 **Analytical Method:** SW8270E

Client: Nobis Group **DataFile:** BF143314.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2734-01MSD		**Client Sample ID: VNJ-253MSD**									
Naphthalene	1100	0	930	ug/Kg	85		6		35	123	20
2-Methylnaphthalene	1100	0	910	ug/Kg	83		5		38	122	20
Acenaphthylene	1100	0	940	ug/Kg	85		6		32	132	20
Acenaphthene	1100	0	930	ug/Kg	85		5		40	123	20
Fluorene	1100	0	910	ug/Kg	83		6		43	125	20
Phenanthrene	1100	0	1300	ug/Kg	118		8		50	121	20
Anthracene	1100	0	1000	ug/Kg	91		3		47	123	20
Fluoranthene	1100	0	2200	ug/Kg	200	*	9		50	127	20
Pyrene	1100	0	1600	ug/Kg	145	*	6		47	127	20
Benzo(a)anthracene	1100	0	1400	ug/Kg	127	*	0		49	126	20
Chrysene	1100	0	1400	ug/Kg	127	*	7		50	124	20
Benzo(b)fluoranthene	1100	0	1500	ug/Kg	136	*	0		45	132	20
Benzo(k)fluoranthene	1100	0	1400	ug/Kg	127		7		47	132	20
Benzo(a)pyrene	1100	0	1400	ug/Kg	127		7		45	129	20
Indeno(1,2,3-cd)pyrene	1100	0	930	ug/Kg	85		13		45	133	20
Dibenz(a,h)anthracene	1100	0	790	ug/Kg	72		9		45	134	20
Benzo(g,h,i)perylene	1100	0	950	ug/Kg	86		10		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.: Q2747 **Analytical Method:** 8270E

Client: Nobis Group **DataFile:** BF143307.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169095BS	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	1500	ug/Kg	88				47	127	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				49	126	
	Chrysene	1700	1500	ug/Kg	88				50	124	
	Benzo(b)fluoranthene	1700	1400	ug/Kg	82				45	132	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				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

PB169095BL

Lab Name: Alliance

Contract: NOBI03

Lab Code: ACE

SDG NO.: Q2747

Lab File ID: BF143306.D

Lab Sample ID: PB169095BL

Instrument ID: BNA_F

Date Extracted: 08/04/2025

Matrix: (soil/water) SOIL

Date Analyzed: 08/05/2025

Level: (low/med) LOW

Time Analyzed: 10:29

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169095BS	PB169095BS	BF143307.D	08/05/2025
OU4-TS-GRILLO-OG2-073125	Q2747-01	BF143308.D	08/05/2025
OU4-TS-GRILLO-OG3-073125	Q2747-03	BF143309.D	08/05/2025
VNJ-253MS	Q2734-01MS	BF143313.D	08/05/2025
VNJ-253MSD	Q2734-01MSD	BF143314.D	08/05/2025
OU4-TS-GRILLO-OG4-073125	Q2747-05	BF143310.D	08/05/2025
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	BF143311.D	08/05/2025
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	BF143312.D	08/05/2025

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.: Q2747
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

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.: Q2747
Lab File ID: BF143304.D
DFTPP Injection Date: 08/05/2025
Instrument ID: BNA_F
DFTPP Injection Time: 09:02

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.5 (1.8) 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	0.0
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	3.6
441	Present, but less than mass 443	80.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BF143305.D	08/05/2025	10:00
PB169095BL	PB169095BL	BF143306.D	08/05/2025	10:29
PB169095BS	PB169095BS	BF143307.D	08/05/2025	10:58
OU4-TS-GRILLO-OG2-073125	Q2747-01	BF143308.D	08/05/2025	11:34
OU4-TS-GRILLO-OG3-073125	Q2747-03	BF143309.D	08/05/2025	12:03
OU4-TS-GRILLO-OG4-073125	Q2747-05	BF143310.D	08/05/2025	12:32
OU4-TS-GRILLO-TSCP01-073125	Q2747-07	BF143311.D	08/05/2025	13:01
OU4-TS-GRILLO-TSCP02-073125	Q2747-09	BF143312.D	08/05/2025	13:30
VNJ-253MS	Q2734-01MS	BF143313.D	08/05/2025	13:59
VNJ-253MSD	Q2734-01MSD	BF143314.D	08/05/2025	14:28
SSTDCCC040EC	SSTDCCC040	BF143319.D	08/05/2025	16:54

Form V SV

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.: Q2747

Client ID : SSTDCCC040 Date Analyzed: 08/05/2025

Lab File ID: BF143305.D Time Analyzed: 10:00

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	113128	6.963	431458	8.25	216118	10.00
	UPPER LIMIT	226256	7.463	862916	8.745	432236	10.498
	LOWER LIMIT	56564	6.463	215729	7.745	108059	9.498
	EPA SAMPLE NO.						
01	PB169095BL	114562	6.96	444658	8.24	231807	10.00
02	PB169095BS	118629	6.96	457337	8.25	232356	10.00
03	OU4-TS-GRILLO-OG2-073125	122190	6.96	464994	8.24	232438	10.00
04	OU4-TS-GRILLO-OG3-073125	127481	6.96	469138	8.24	228456	10.00
05	VNJ-253MS	130860	6.96	486158	8.25	224868	10.00
06	VNJ-253MSD	119894	6.96	447775	8.25	200201	10.00
07	OU4-TS-GRILLO-OG4-073125	124773	6.96	460606	8.24	207758	10.00
08	OU4-TS-GRILLO-TSCP01-073125	129995	6.96	487756	8.24	228245	10.00
09	OU4-TS-GRILLO-TSCP02-073125	129316	6.96	477216	8.25	212288	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.

Form VIII SV-1

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.: Q2747

Client ID: SSTDCCC040 Date Analyzed: 08/05/2025

Lab File ID: BF143305.D Time Analyzed: 10:00

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	330581	11.486	218496	14.127	256941	15.633
	UPPER LIMIT	661162	11.986	436992	14.627	513882	16.133
	LOWER LIMIT	165291	10.986	109248	13.627	128471	15.133
	EPA SAMPLE NO.						
01	PB169095BL	384624	11.49	231168	14.13	249231	15.63
02	PB169095BS	366236	11.49	223170	14.13	254386	15.63
03	OU4-TS-GRILLO-OG2-073125	332107	11.49	244179	14.13	241354	15.63
04	OU4-TS-GRILLO-OG3-073125	308976	11.49	244731	14.13	233526	15.63
05	VNJ-253MS	312204	11.49	241353	14.13	186398	15.65
06	VNJ-253MSD	276419	11.49	209954	14.13	154652	15.65
07	OU4-TS-GRILLO-OG4-073125	287499	11.49	255841	14.13	223867	15.63
08	OU4-TS-GRILLO-TSCP01-07312!	315254	11.49	238738	14.13	200028	15.64
09	OU4-TS-GRILLO-TSCP02-07312!	302538	11.49	244611	14.13	192344	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.

Form VIII SV-1

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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.7
Sample Wt/Vol:	30.07 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
BF143308.D	1	08/04/25 09:20	08/05/25 11:34	PB169095

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	0.034	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	0.028	0.17	0.22	mg/Kg
120-12-7	Anthracene	0.17	U	0.044	0.17	0.22	mg/Kg
206-44-0	Fluoranthene	0.12	J	0.040	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	0.099	J	0.025	0.17	0.22	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.17	U	0.030	0.17	0.22	mg/Kg
50-32-8	Benzo(a)pyrene	0.17	U	0.039	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	57.1		37 - 122		57%	SPK: 100
321-60-8	2-Fluorobiphenyl	55.7		44 - 115		56%	SPK: 100
1718-51-0	Terphenyl-d14	41.8	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	122000	6.963				
1146-65-2	Naphthalene-d8	465000	8.239				
15067-26-2	Acenaphthene-d10	232000	9.998				
1517-22-2	Phenanthrene-d10	332000	11.486				
1719-03-5	Chrysene-d12	244000	14.127				
1520-96-3	Perylene-d12	241000	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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG2-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-01	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	75.7
Sample Wt/Vol:	30.07 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
BF143308.D	1	08/04/25 09:20	08/05/25 11:34	PB169095

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

Sample Results: **BF143308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143308.D
Acq On : 05 Aug 2025 11:34
Operator : RC/JU
Sample : Q2747-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 05 12:12:36 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	122190	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	464994	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	232438	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	332107	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244179	20.000	ng	0.00
86) Perylene-d12	15.633	264	241354	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	651808	84.415	ng	0.01
7) Phenol-d6	6.587	99	836401	86.059	ng	0.00
23) Nitrobenzene-d5	7.516	82	532727	57.108	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	189142	78.769	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	946808	55.708	ng	0.00
79) Terphenyl-d14	13.069	244	685634	41.785	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.698	202	42459	2.623	ng	98
88) Benzo(b)fluoranthene	15.186	252	33069m	2.243	ng	

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

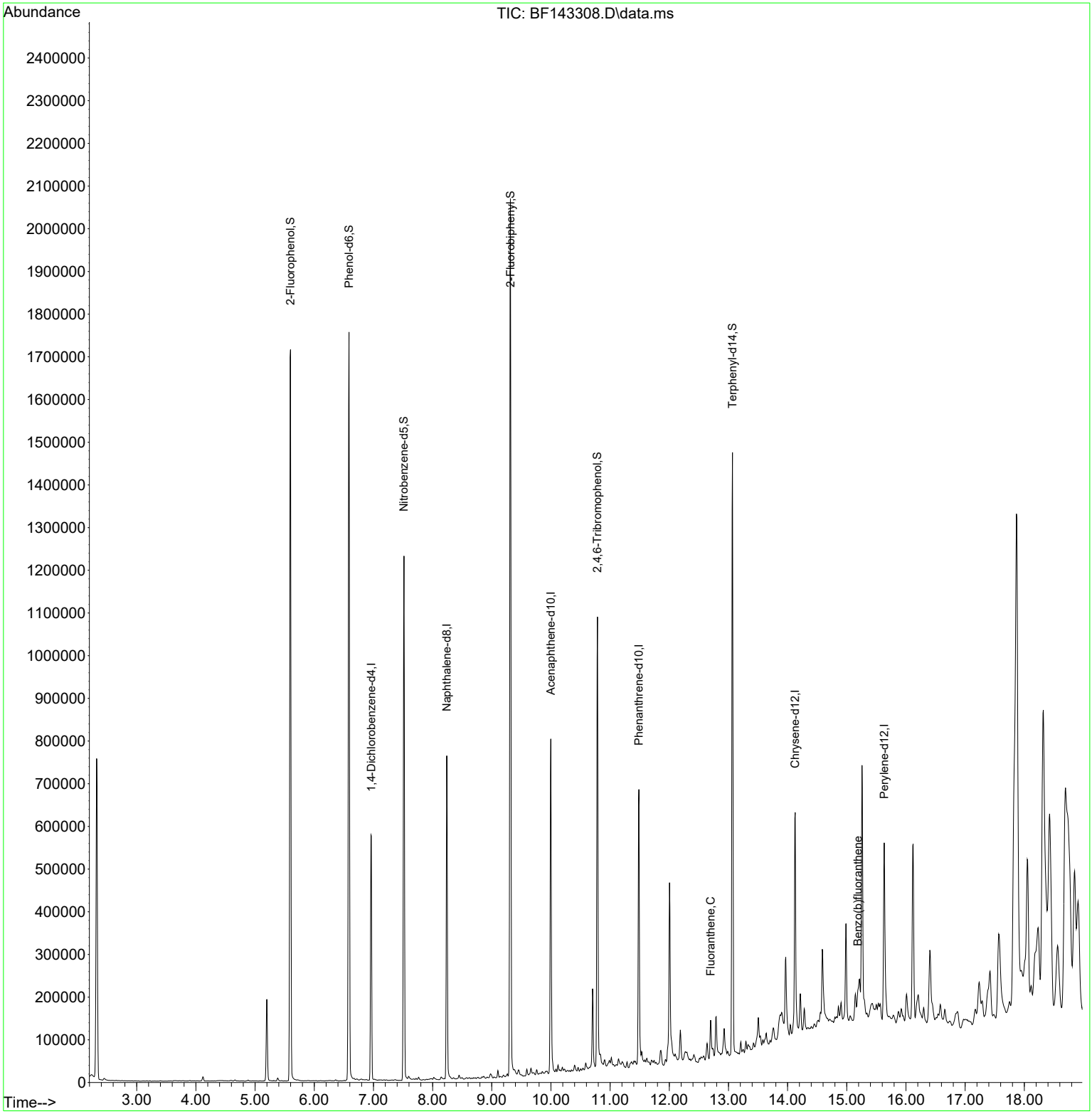
Sample Results: **BF143308.D**

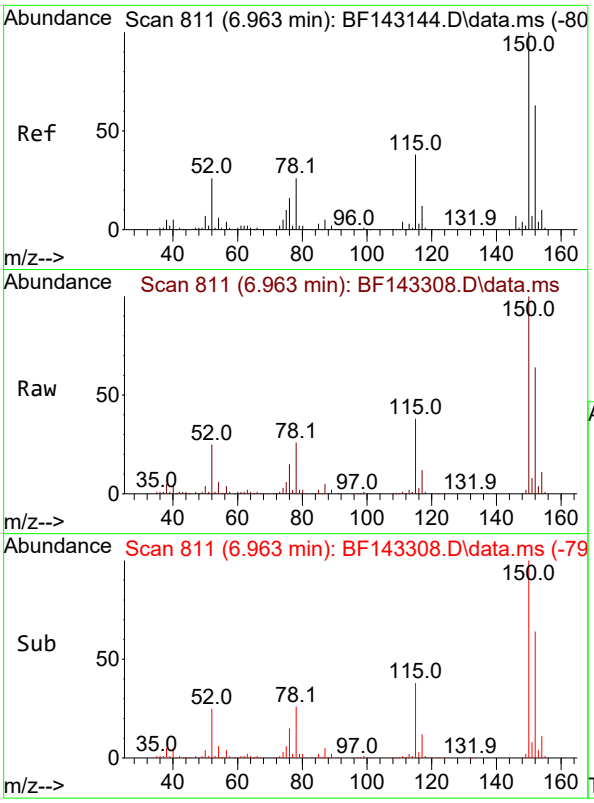
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143308.D
Acq On : 05 Aug 2025 11:34
Operator : RC/JU
Sample : Q2747-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 05 12:12:36 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 :
OU4-TS-GRILLO-OG2-073125

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

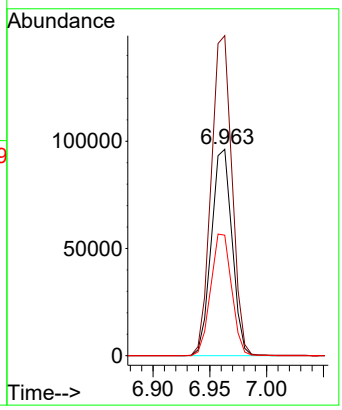
Tgt Ion:152 Resp: 12219

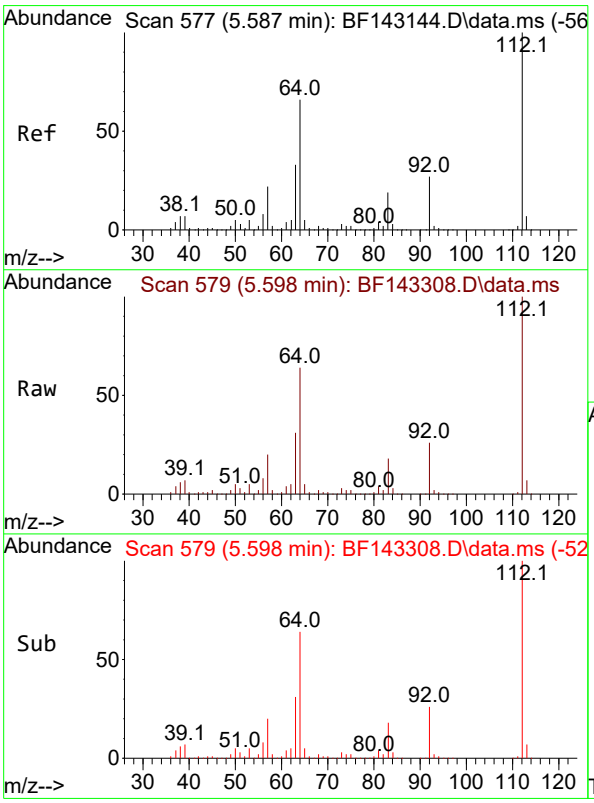
Ion	Ratio	Lower	Upper
152	100		
150	155.1	128.2	192.4
115	58.4	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

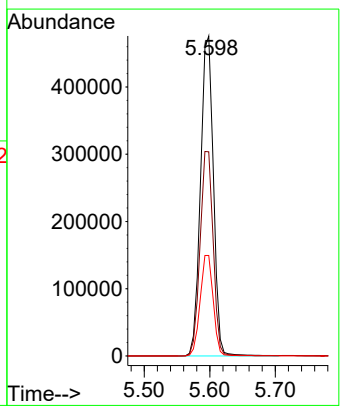


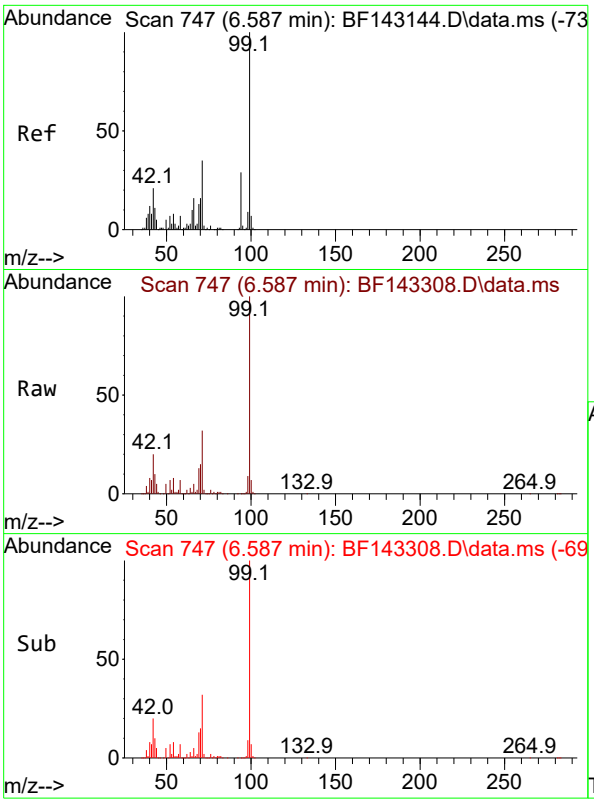


#5
2-Fluorophenol
Concen: 84.415 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:112 Resp: 651808

Ion	Ratio	Lower	Upper
112	100		
64	63.8	53.1	79.7
63	31.4	26.6	40.0





#7
Phenol-d6
Concen: 86.059 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

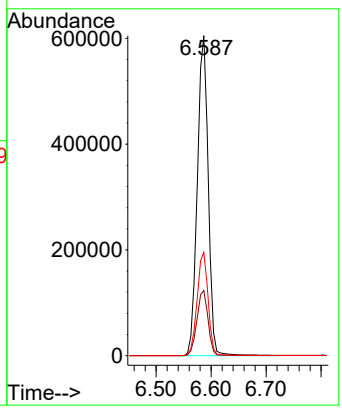
Tgt Ion: 99 Resp: 83640

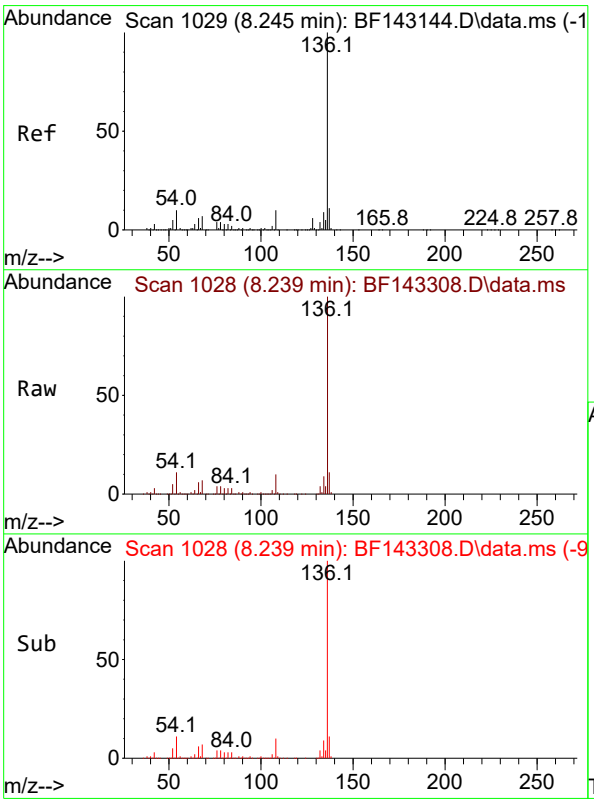
Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	32.3	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

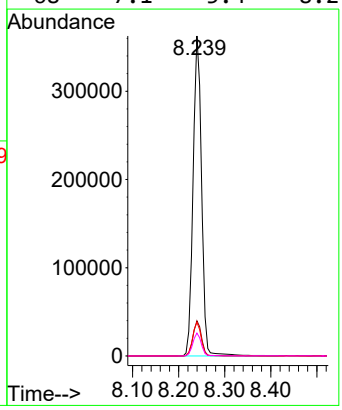


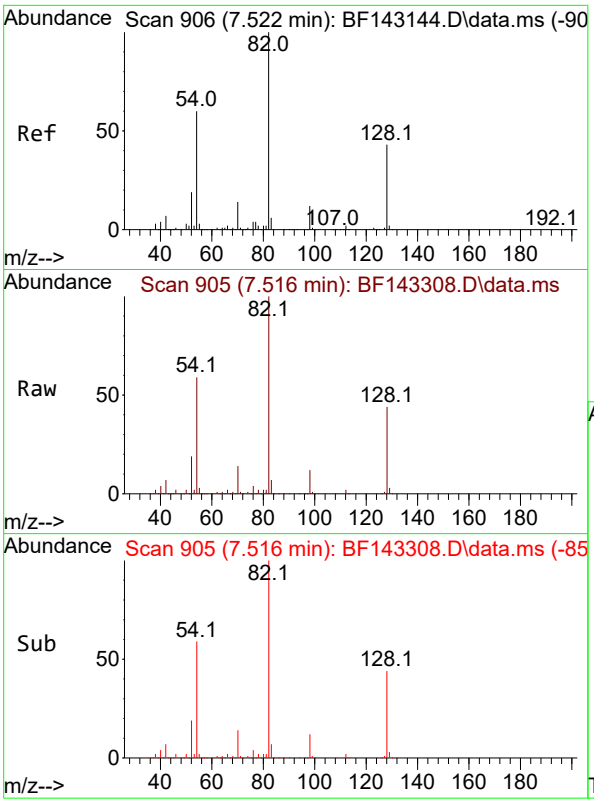


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:136 Resp: 464994

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.5	8.2	12.2
68	7.1	5.4	8.2





#23
Nitrobenzene-d5
Concen: 57.108 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

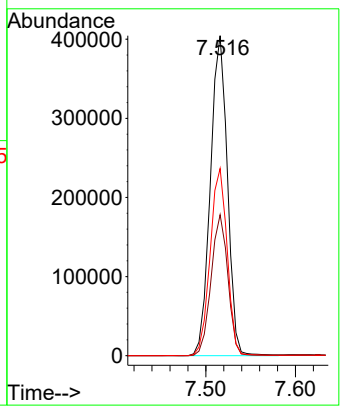
Tgt Ion: 82 Resp: 53272

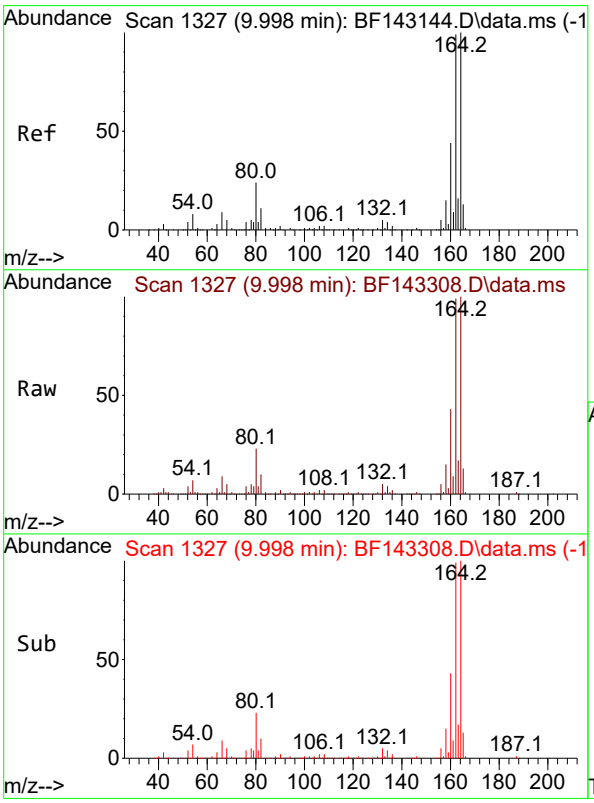
Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.6	50.4
54	58.5	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

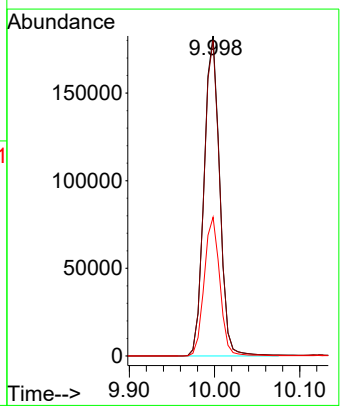


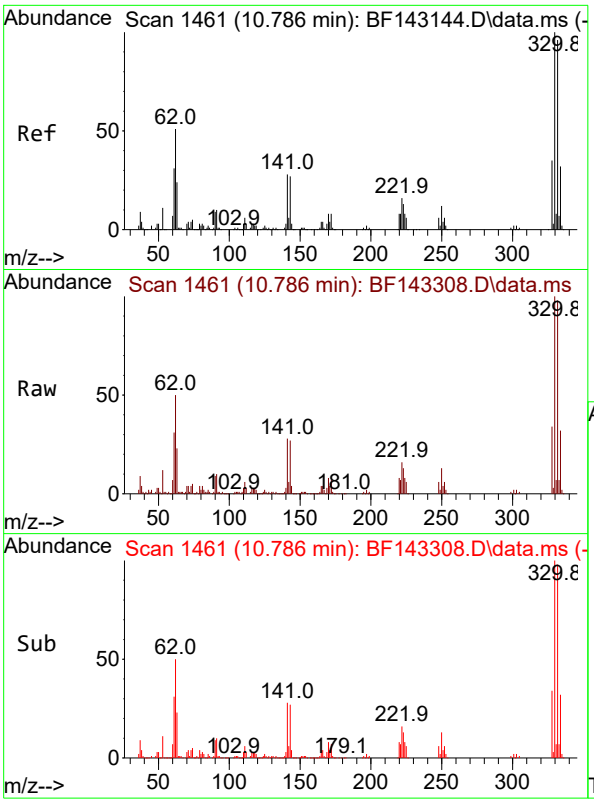


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:164 Resp: 232438

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.0	118.6
160	43.4	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 78.769 ng
RT: 10.786 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

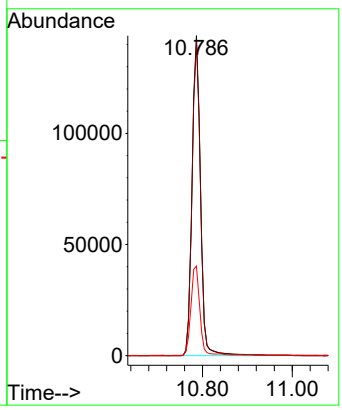
Tgt Ion:330 Resp: 18914

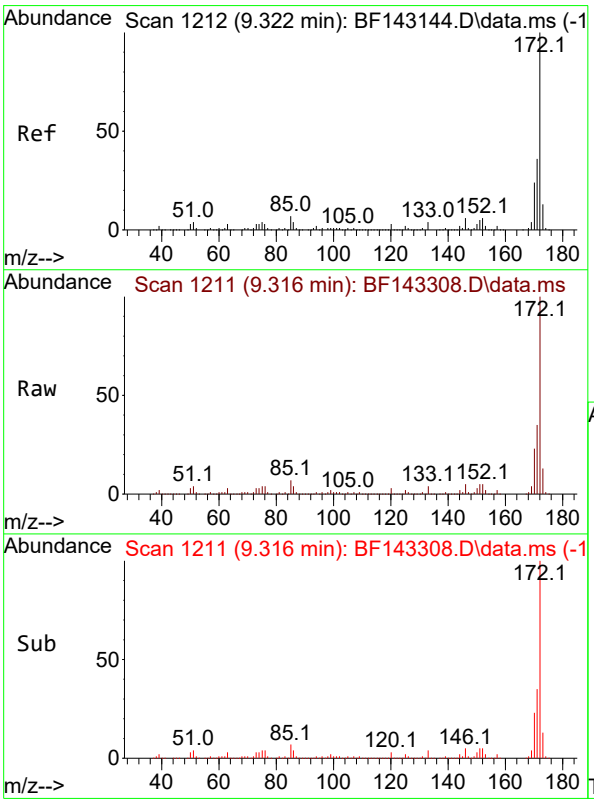
Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.7	115.1
141	30.2	23.3	34.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

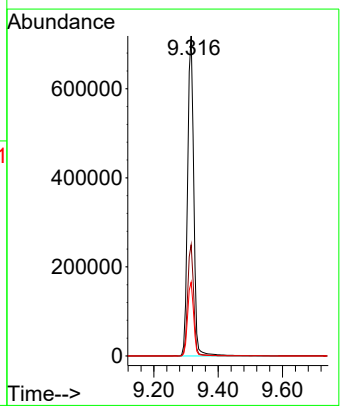


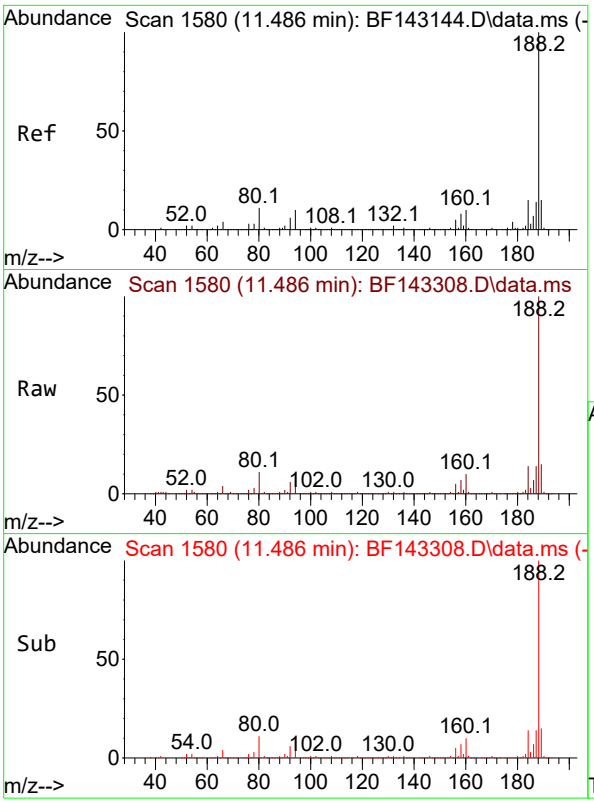


#45
2-Fluorobiphenyl
Concen: 55.708 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:172 Resp: 946808

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.0	18.8	28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

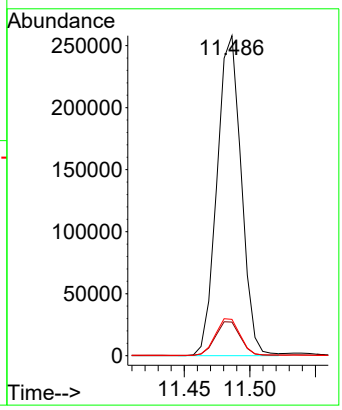
Tgt Ion:188 Resp: 33210

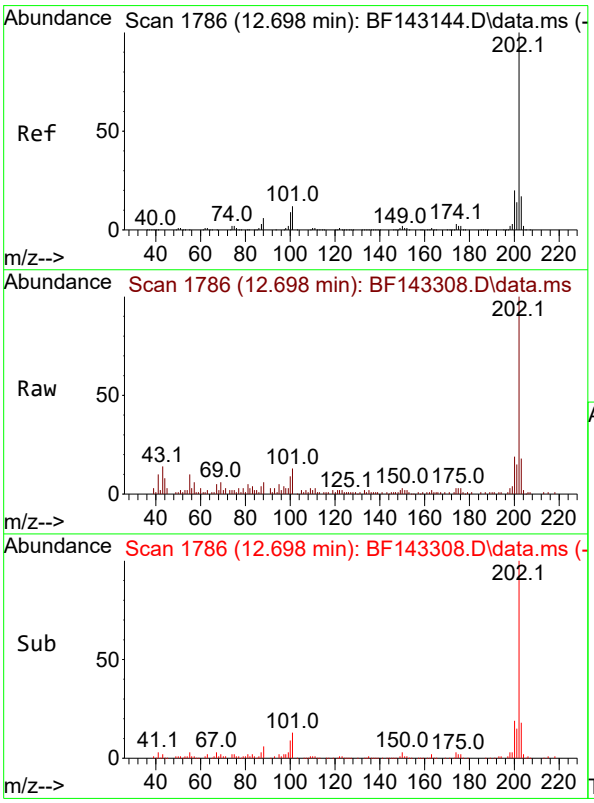
Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.3	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

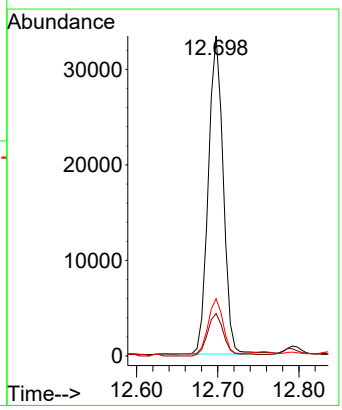


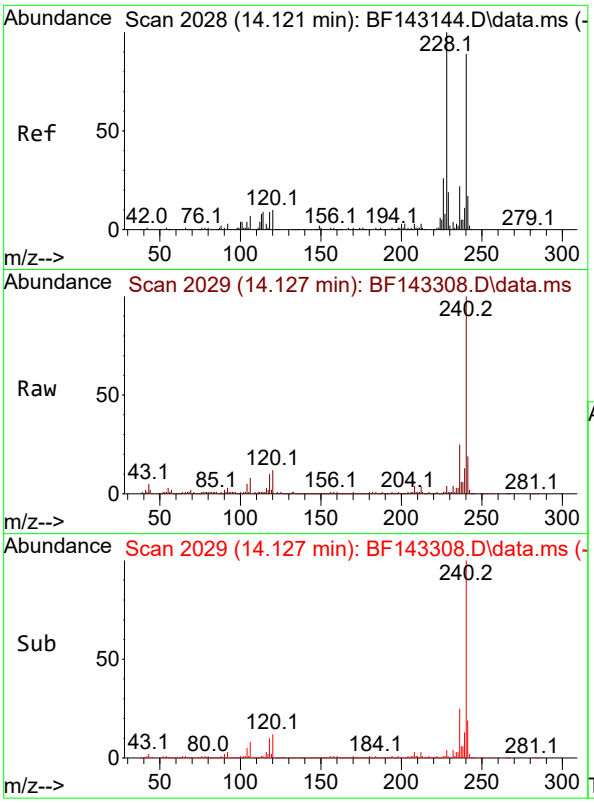


#75
Fluoranthene
Concen: 2.623 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:202 Resp: 42459

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.7
203	17.9	0.0	37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

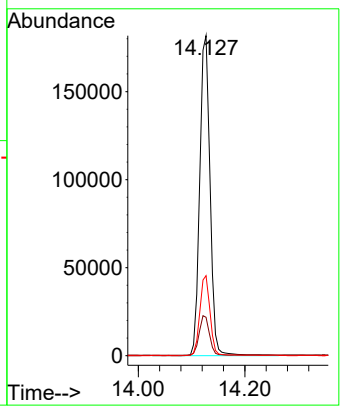
Tgt Ion:240 Resp: 244179

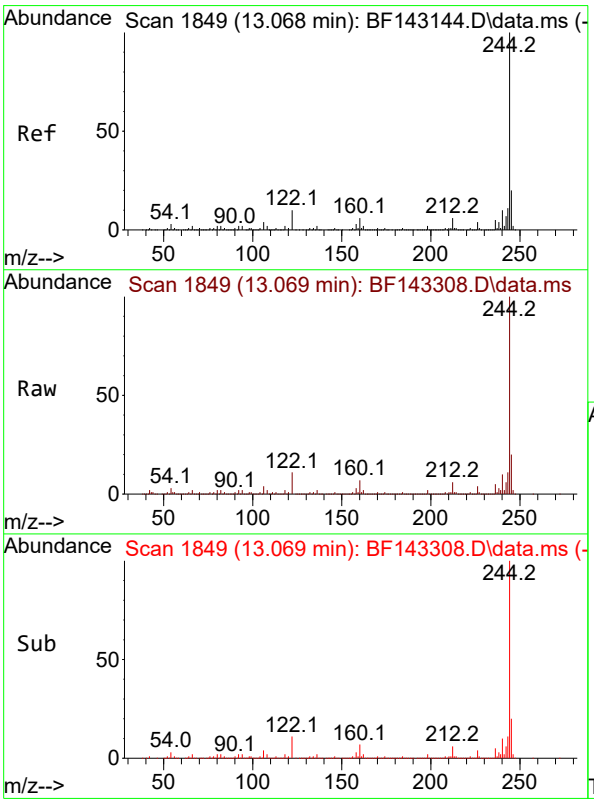
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.4	14.2
236	25.0	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

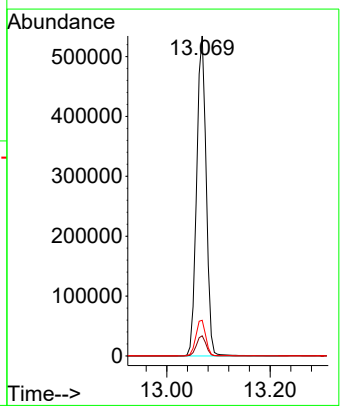


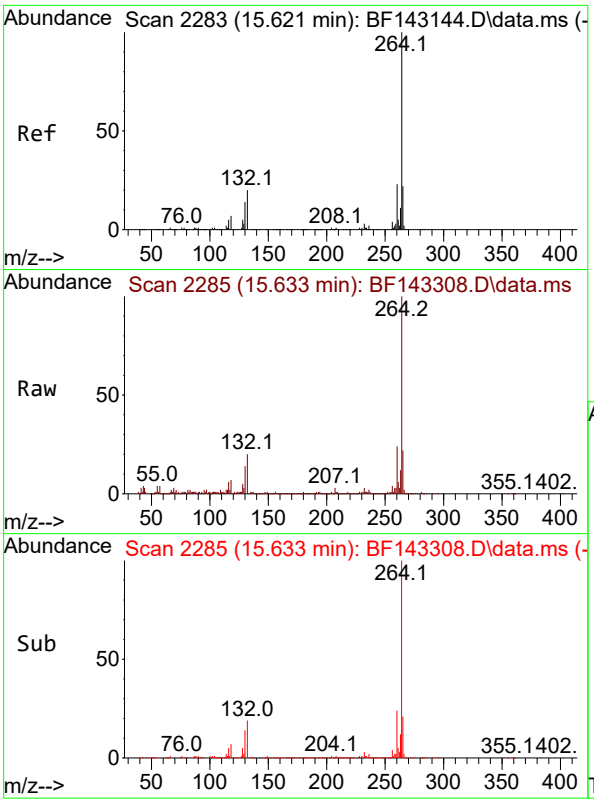


#79
Terphenyl-d14
Concen: 41.785 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:244 Resp: 685634

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.2	8.2	12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

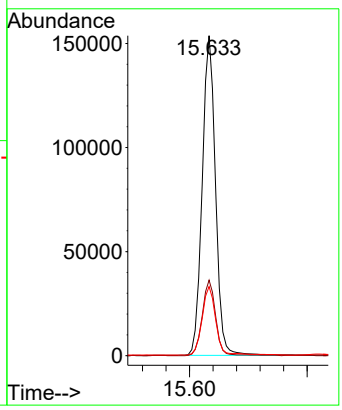
Tgt Ion:264 Resp: 24135

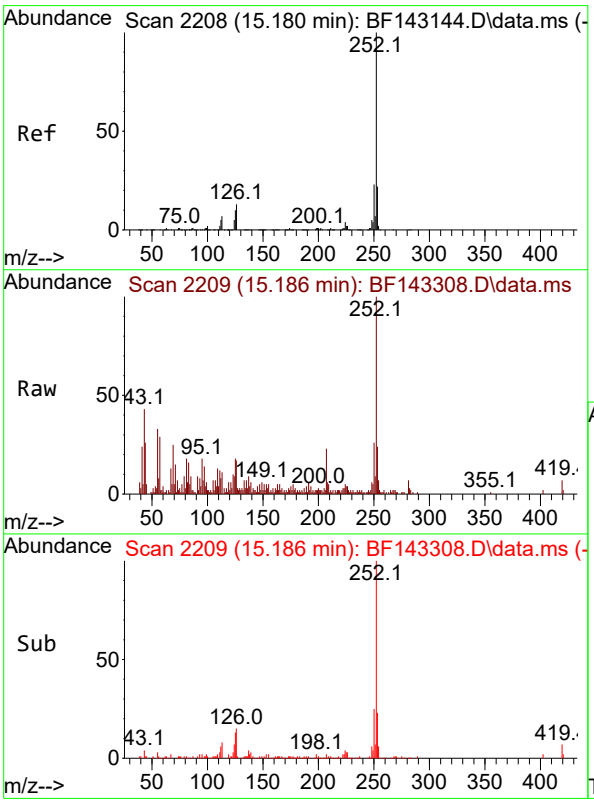
Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.6	17.4	26.2

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

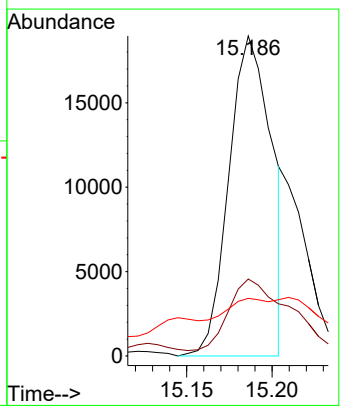




#88
Benzo(b)fluoranthene
Concen: 2.243 ng m
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:252 Resp: 33069

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	18.0	8.0	12.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143308.D
Acq On : 05 Aug 2025 11:34
Operator : RC/JU
Sample : Q2747-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

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: BF143308.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.322	15	22	30	rVB	751967	1207349	26.93%	3.247%
2	5.198	504	511	526	rBV	191029	277486	6.19%	0.746%
3	5.598	572	579	584	rBV	1712610	2361061	52.66%	6.349%
4	6.587	740	747	752	rBV	1751558	2410521	53.77%	6.482%
5	6.957	805	810	816	rBV	574655	740718	16.52%	1.992%
6	7.516	899	905	910	rBV	1228184	1611877	35.95%	4.335%
7	8.239	1023	1028	1043	rVB	756768	971100	21.66%	2.612%
8	9.316	1205	1211	1221	rBV	2054724	2708876	60.42%	7.285%
9	9.998	1321	1327	1339	rBV	783420	1042299	23.25%	2.803%
10	10.704	1442	1447	1455	rVB	181617	238802	5.33%	0.642%
11	10.786	1455	1461	1468	rBV	1052888	1427603	31.84%	3.839%
12	11.486	1574	1580	1586	rBV	643531	886426	19.77%	2.384%
13	11.857	1639	1643	1651	rVB3	34993	65601	1.46%	0.176%
14	12.004	1659	1668	1682	rBV2	418919	749263	16.71%	2.015%
15	12.186	1695	1699	1706	rVB4	70469	105942	2.36%	0.285%
16	12.639	1771	1776	1781	rBV2	36561	60931	1.36%	0.164%
17	12.698	1782	1786	1791	rBV	89637	144640	3.23%	0.389%
18	12.792	1797	1802	1815	rBV	91434	162584	3.63%	0.437%
19	12.927	1819	1825	1833	rVB	59560	115812	2.58%	0.311%
20	13.069	1843	1849	1856	rBV	1410914	1845240	41.16%	4.962%
21	13.504	1920	1923	1927	rVB2	46282	55259	1.23%	0.149%
22	13.968	1997	2002	2012	rVB	181920	347865	7.76%	0.935%
23	14.127	2024	2029	2039	rVB	505186	743568	16.59%	2.000%
24	14.216	2040	2044	2050	rVB	85063	124766	2.78%	0.336%
25	14.280	2052	2055	2062	rVB2	47653	71588	1.60%	0.193%
26	14.586	2103	2107	2120	rVB2	161746	300203	6.70%	0.807%
27	14.986	2171	2175	2183	rVB	226758	331490	7.39%	0.891%
28	15.145	2198	2202	2205	rBV	53389	88111	1.97%	0.237%
29	15.257	2217	2221	2227	rVB	548108	760396	16.96%	2.045%
30	15.633	2280	2285	2297	rVB	407527	696619	15.54%	1.873%
31	16.009	2345	2349	2360	rVB	57744	119443	2.66%	0.321%
32	16.121	2362	2368	2374	rVB	407283	713486	15.91%	1.919%
33	16.404	2411	2416	2430	rVB	162942	416286	9.29%	1.119%
34	17.568	2608	2614	2636	rVB5	184170	629000	14.03%	1.692%
35	17.868	2650	2665	2676	rBV4	1143391	4483362	100.00%	12.057%
36	18.051	2691	2696	2704	rVB	309959	730521	16.29%	1.965%

Sample Results: **BF143308.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143308.D
Acq On    : 05 Aug 2025  11:34
Operator  : RC/JU
Sample    : Q2747-01
Misc      :
ALS Vial  : 5   Sample Multiplier: 1

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
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

37	18.321	2734	2742	2753	rBV	631575	2291112	51.10%	6.161%
38	18.427	2755	2760	2772	rVB5	449144	1434502	32.00%	3.858%
39	18.698	2796	2806	2825	rBV7	508685	3199025	71.35%	8.603%
40	18.851	2826	2832	2837	rBV2	209462	514323	11.47%	1.383%

Sum of corrected areas: 37185056

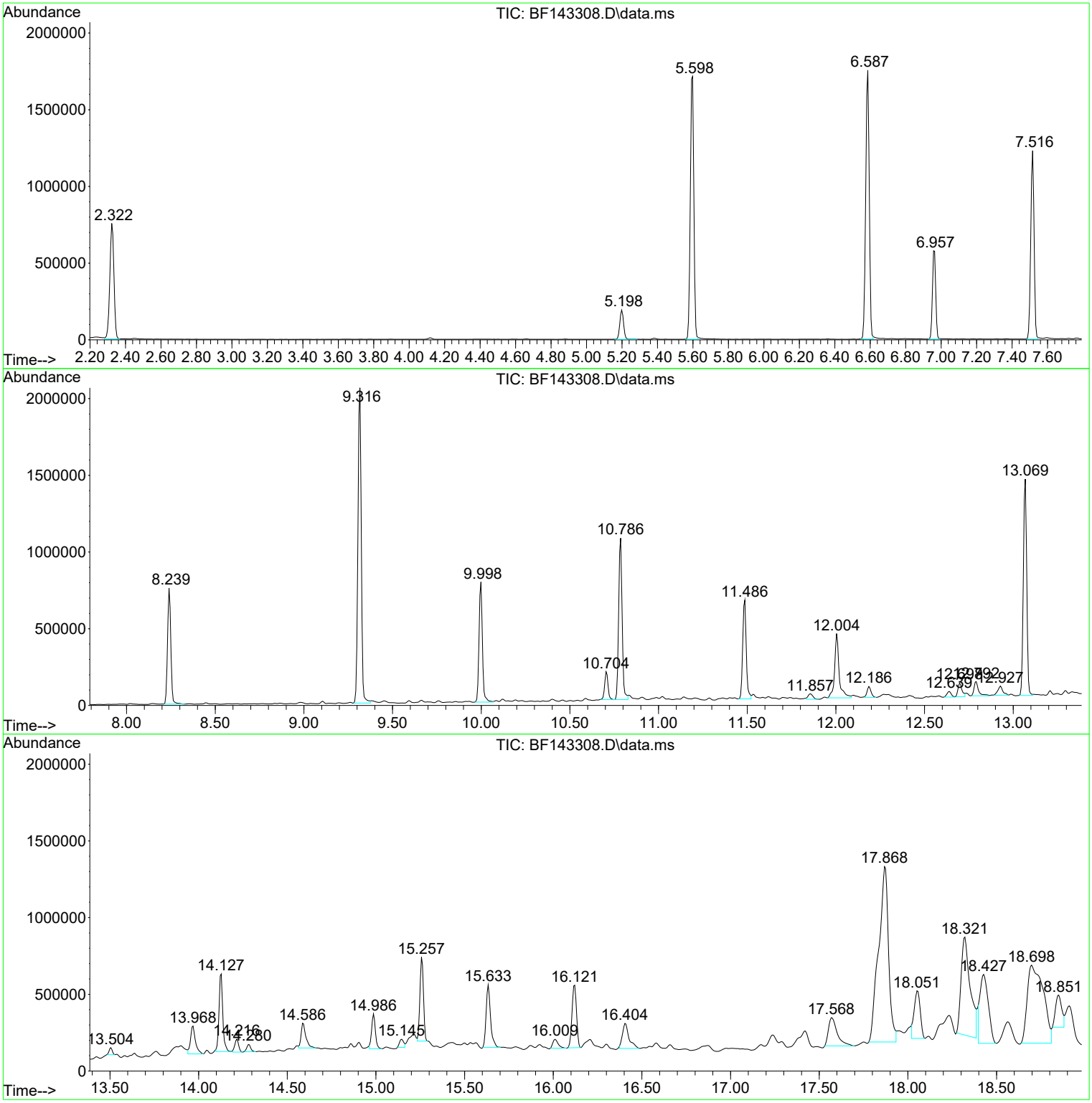
Sample Results: **BF143308.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143308.D
Acq On : 05 Aug 2025 11:34
Operator : RC/JU
Sample : Q2747-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

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\BF080525\
Data File : BF143308.D
Acq On : 05 Aug 2025 11:34
Operator : RC/JU
Sample : Q2747-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

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\BF080525\
  Data File : BF143308.D
  Acq On    : 05 Aug 2025  11:34
  Operator  : RC/JU
  Sample    : Q2747-01
  Misc      :
  ALS Vial  : 5   Sample Multiplier: 1

  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|
-------------------------------------------------------------------------------
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.6
Sample Wt/Vol:	30.03 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
BF143309.D	1	08/04/25 09:20	08/05/25 12:03	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.17	U	0.029	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	0.037	0.17	0.22	mg/Kg
83-32-9	Acenaphthene	0.17	U	0.027	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	0.046	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	0.089	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	0.035	0.17	0.22	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.17	U	0.033	0.17	0.22	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	55.7		37 - 122		56%	SPK: 100
321-60-8	2-Fluorobiphenyl	53.4		44 - 115		53%	SPK: 100
1718-51-0	Terphenyl-d14	38.0	*	54 - 127		38%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	127000	6.963				
1146-65-2	Naphthalene-d8	469000	8.239				
15067-26-2	Acenaphthene-d10	228000	9.998				
1517-22-2	Phenanthrene-d10	309000	11.486				
1719-03-5	Chrysene-d12	245000	14.127				
1520-96-3	Perylene-d12	234000	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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG3-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-03	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	77.6
Sample Wt/Vol:	30.03 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
BF143309.D	1	08/04/25 09:20	08/05/25 12:03	PB169095

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

Sample Results: **BF143309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On : 05 Aug 2025 12:03
Operator : RC/JU
Sample : Q2747-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 05 12:37:42 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	127481	20.000 ng	0.00
21) Naphthalene-d8	8.239	136	469138	20.000 ng	0.00
39) Acenaphthene-d10	9.998	164	228456	20.000 ng	0.00
64) Phenanthrene-d10	11.486	188	308976	20.000 ng	0.00
76) Chrysene-d12	14.127	240	244731	20.000 ng	0.00
86) Perylene-d12	15.633	264	233526	20.000 ng	0.01
System Monitoring Compounds					
5) 2-Fluorophenol	5.593	112	640562	79.515 ng	0.00
7) Phenol-d6	6.587	99	824262	81.290 ng	0.00
23) Nitrobenzene-d5	7.516	82	524171	55.694 ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	171579	72.701 ng	0.00
45) 2-Fluorobiphenyl	9.316	172	891830	53.388 ng	0.00
79) Terphenyl-d14	13.069	244	625406	38.028 ng	0.00
Target Compounds					Qvalue
75) Fluoranthene	12.698	202	46440	3.084 ng	97
88) Benzo(b)fluoranthene	15.186	252	29424m	2.062 ng	

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

Sample Results: **BF143309.D**

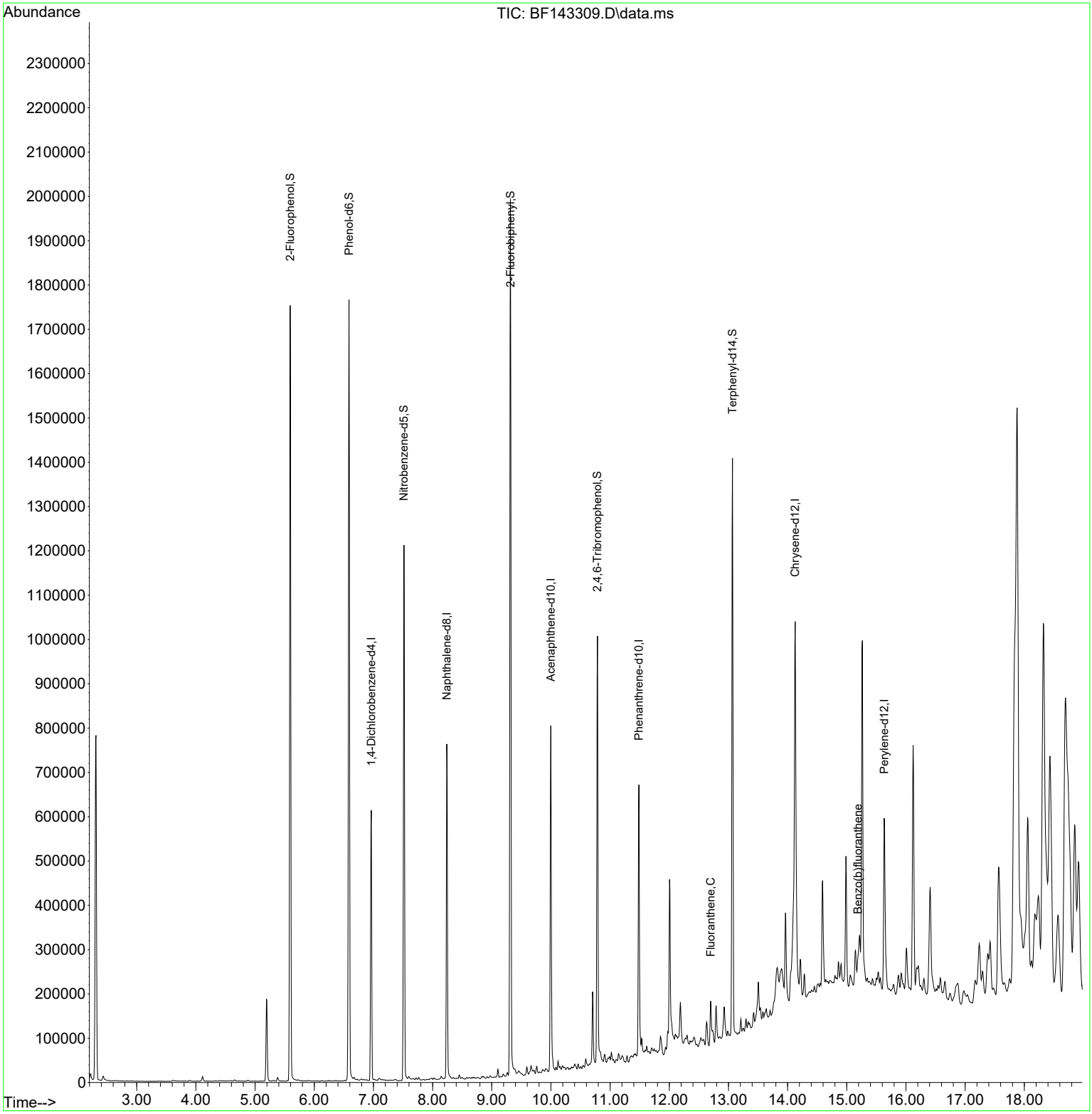
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On : 05 Aug 2025 12:03
Operator : RC/JU
Sample : Q2747-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

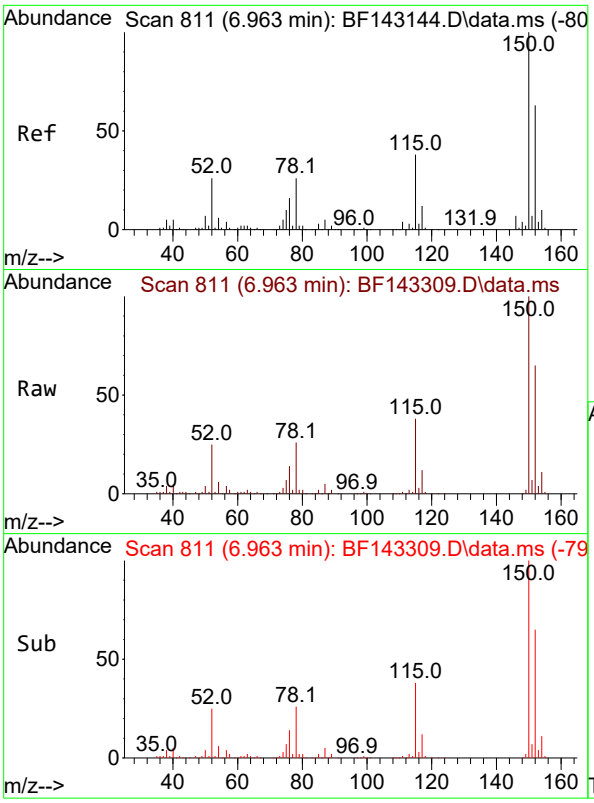
Quant Time: Aug 05 12:37:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

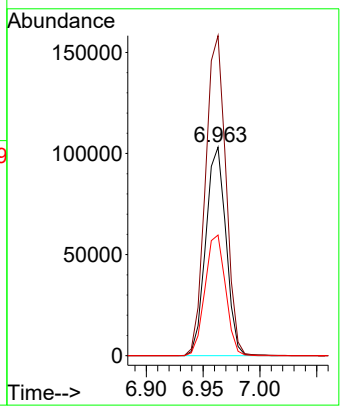
Tgt Ion:152 Resp: 12748

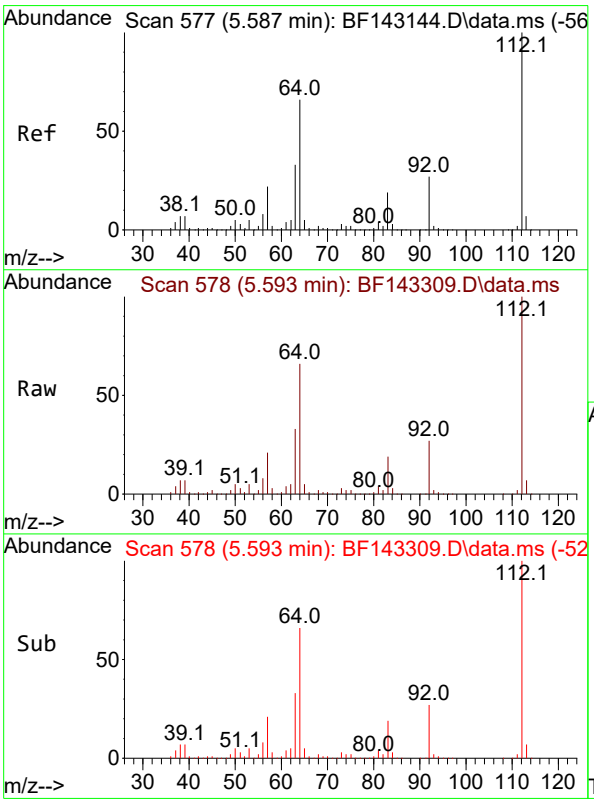
Ion	Ratio	Lower	Upper
152	100		
150	153.5	128.2	192.4
115	57.9	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

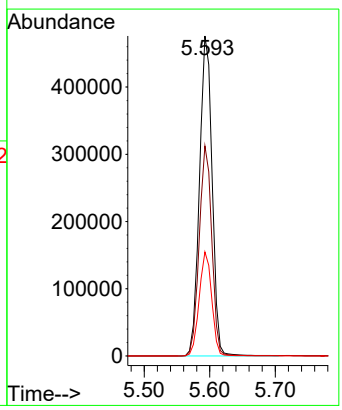


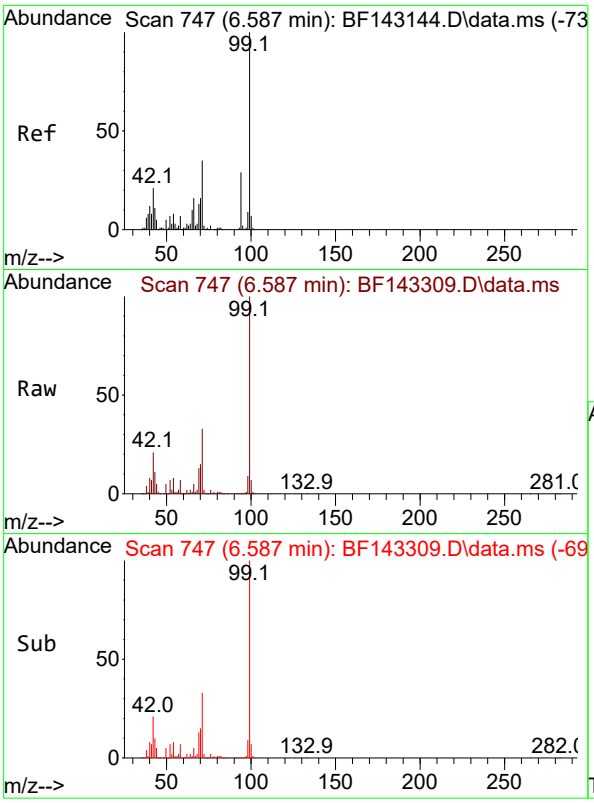


#5
2-Fluorophenol
Concen: 79.515 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:112 Resp: 640562

Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.1	79.7
63	32.5	26.6	40.0





#7
Phenol-d6
Concen: 81.290 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

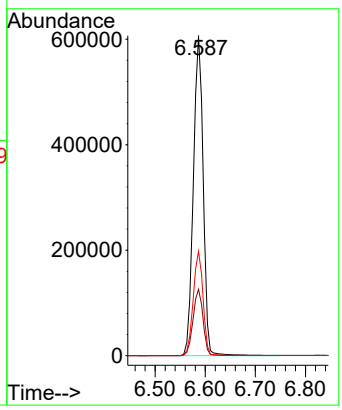
Tgt Ion: 99 Resp: 82426

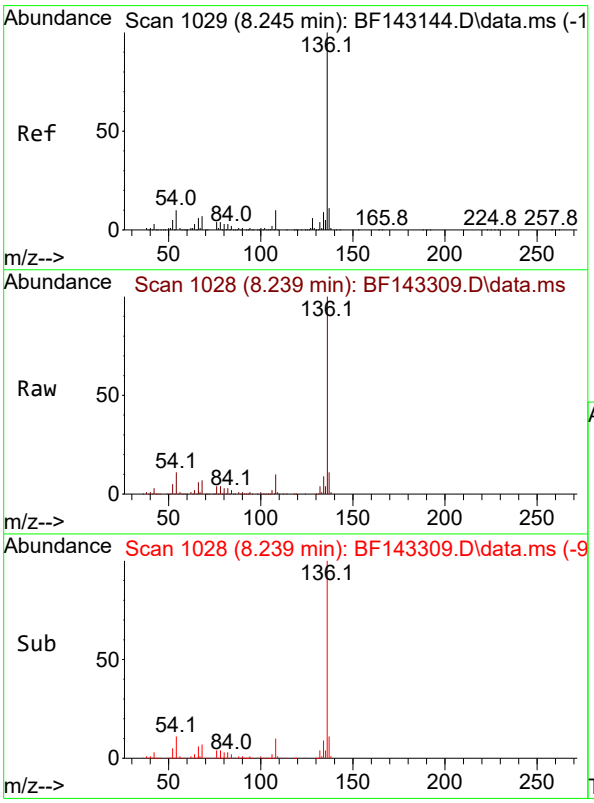
Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	32.6	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

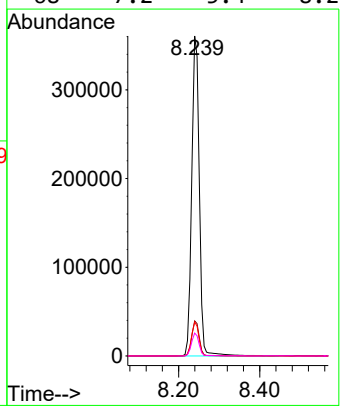


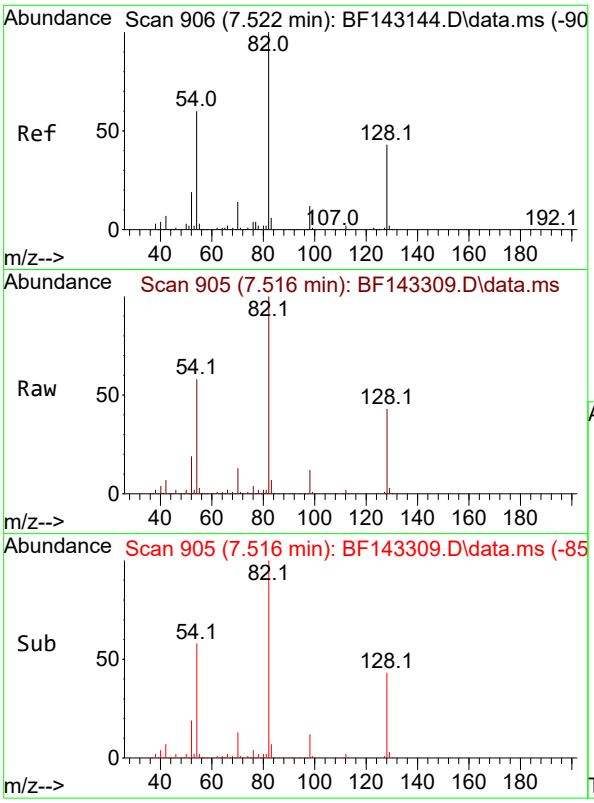


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:136 Resp: 469138

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.2	5.4	8.2





#23
Nitrobenzene-d5
Concen: 55.694 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

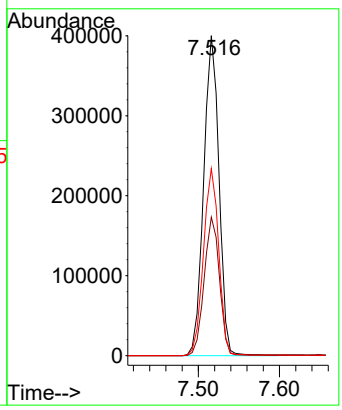
Tgt Ion: 82 Resp: 52417

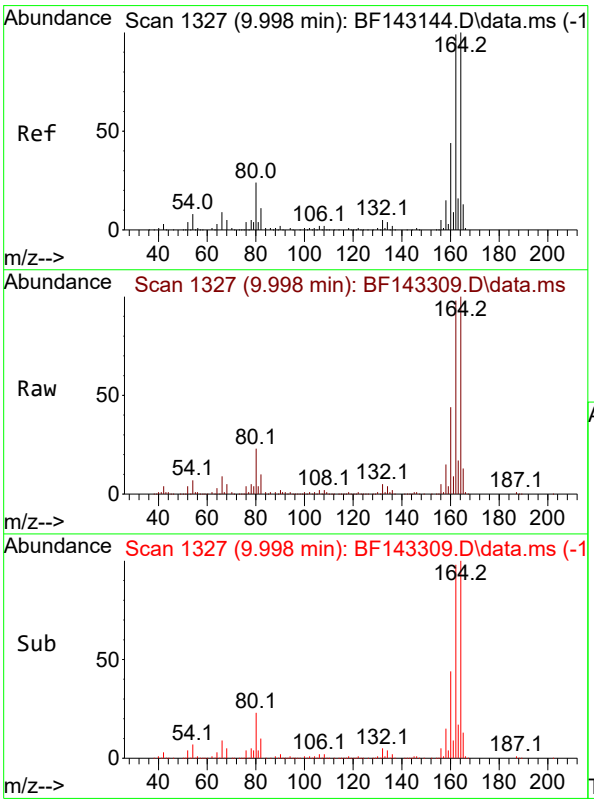
Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.6	50.4
54	58.4	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

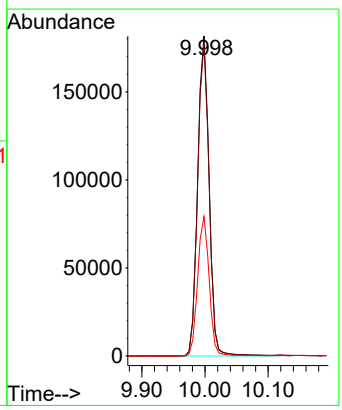


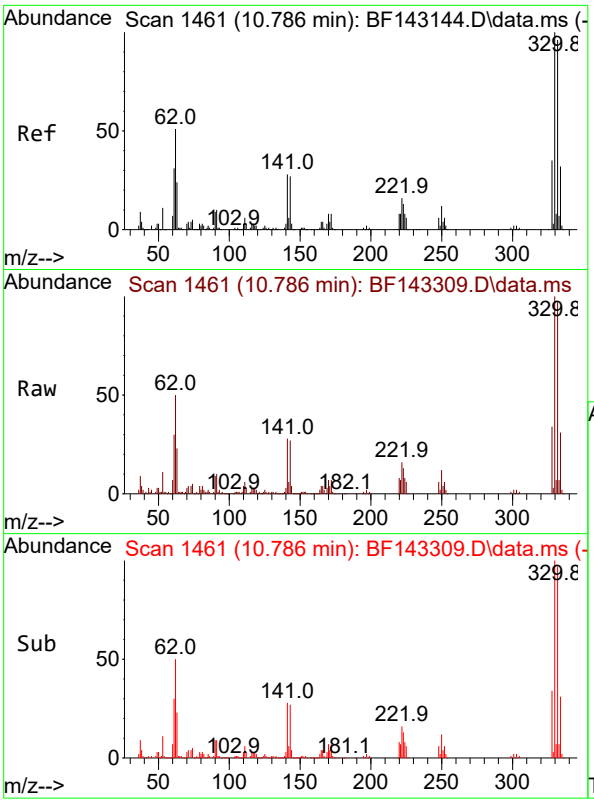


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:164 Resp: 228456

Ion	Ratio	Lower	Upper
164	100		
162	97.6	79.0	118.6
160	43.5	35.1	52.7





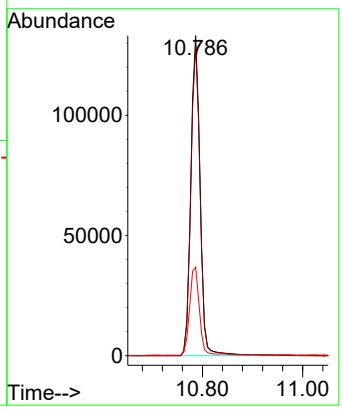
#42
2,4,6-Tribromophenol
Concen: 72.701 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

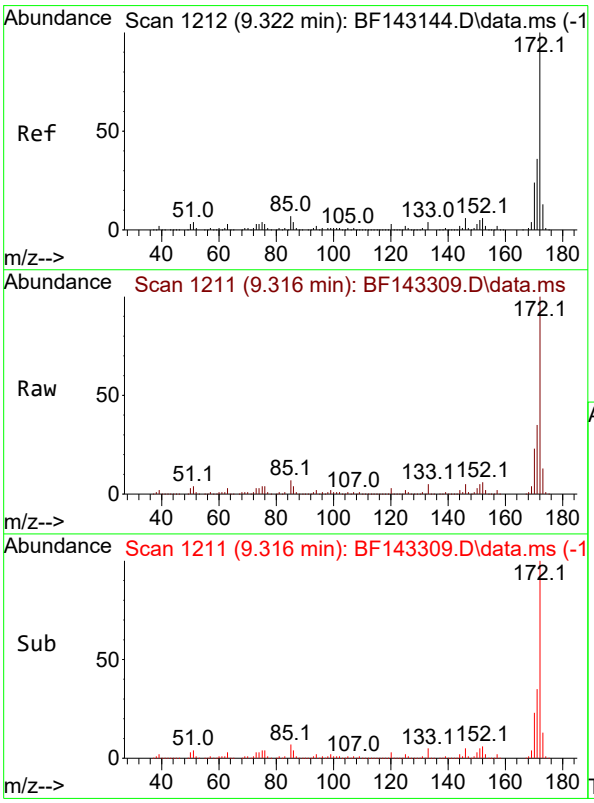
Tgt Ion:330 Resp: 171579

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.7	115.1
141	29.1	23.3	34.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

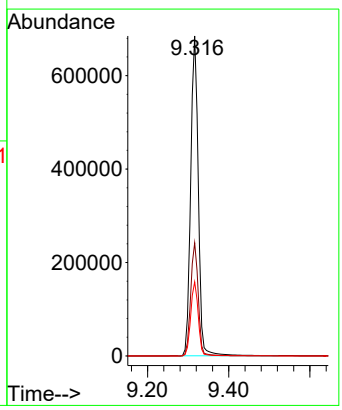


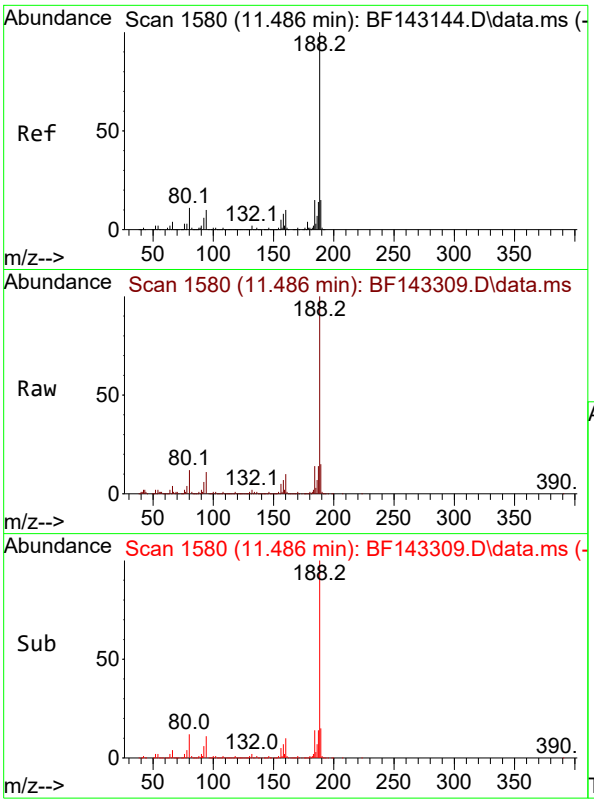


#45
2-Fluorobiphenyl
Concen: 53.388 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:172 Resp: 891830

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.2	18.8	28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

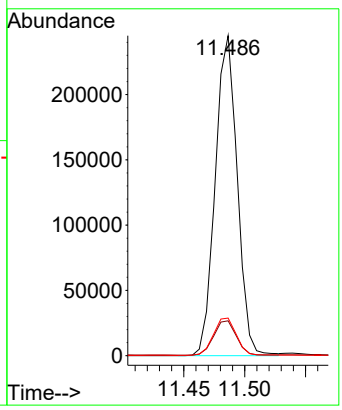
Tgt Ion:188 Resp: 30897

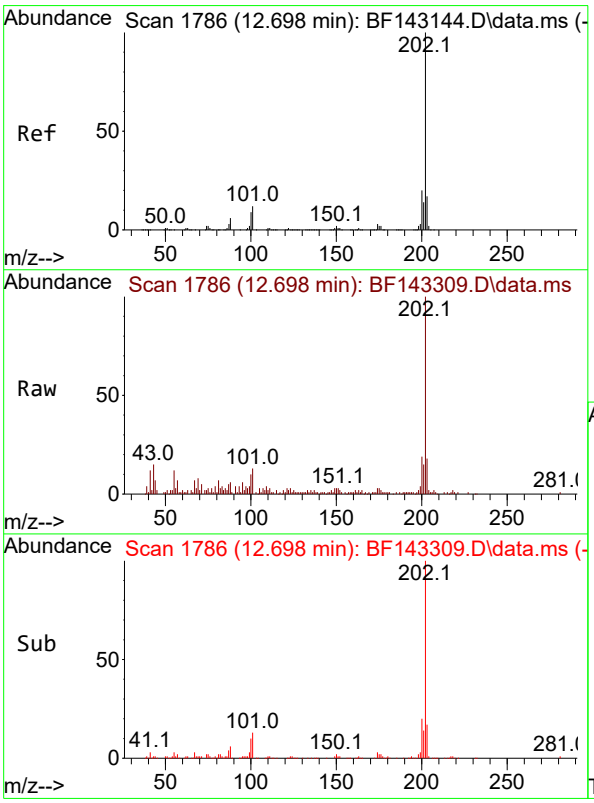
Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.3	12.5
80	11.8	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

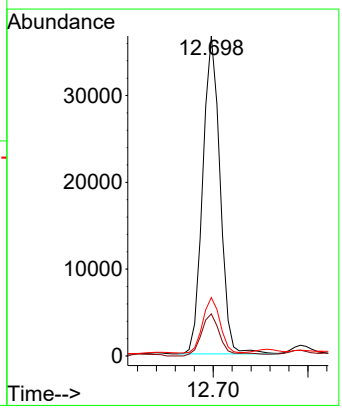


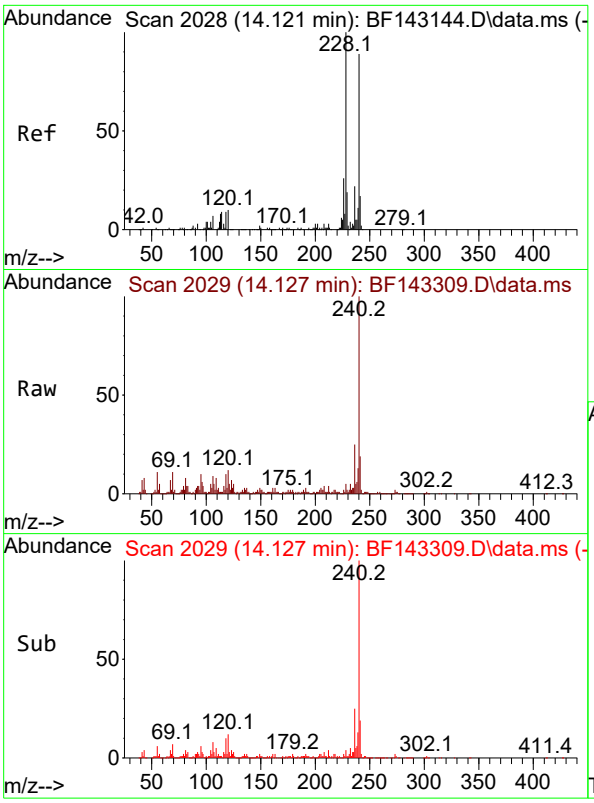


#75
Fluoranthene
Concen: 3.084 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:202 Resp: 46440

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.7
203	18.3	0.0	37.4





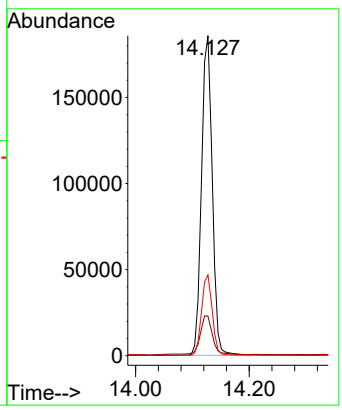
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

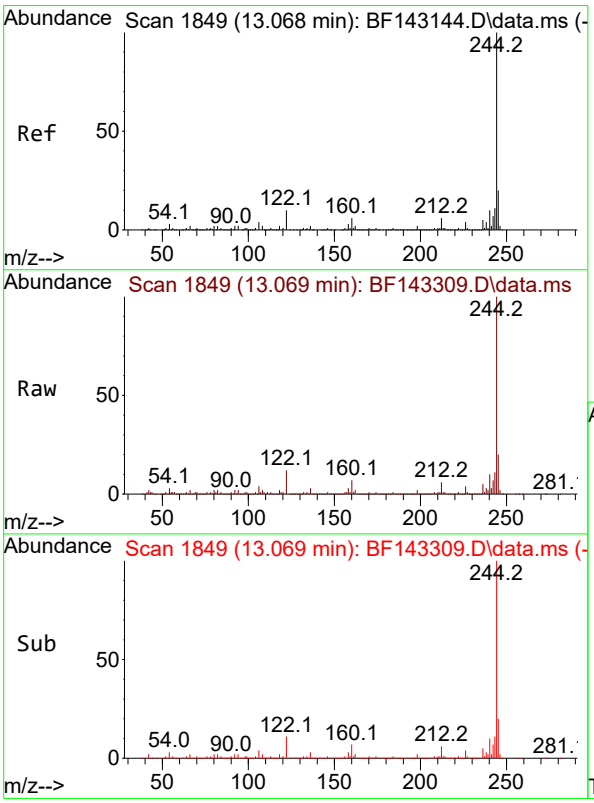
Tgt Ion:240 Resp: 24473

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.4	14.2
236	25.2	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

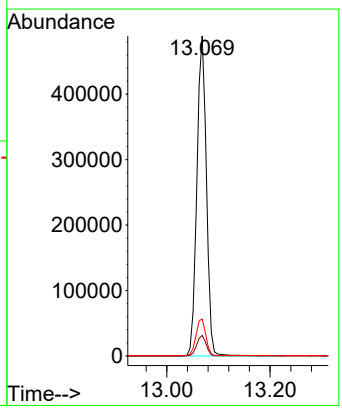


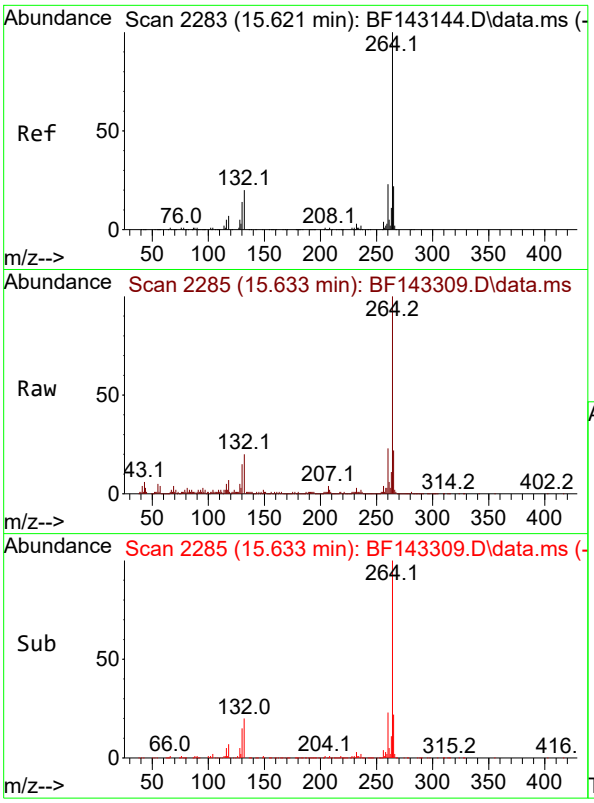


#79
Terphenyl-d14
Concen: 38.028 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:244 Resp: 625406

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.2	12.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

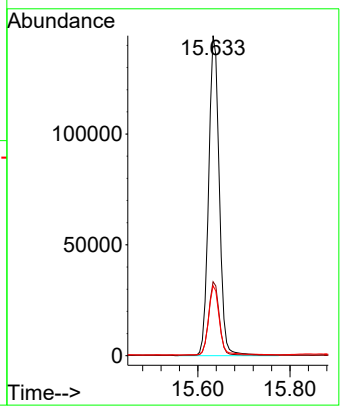
Tgt Ion:264 Resp: 23352

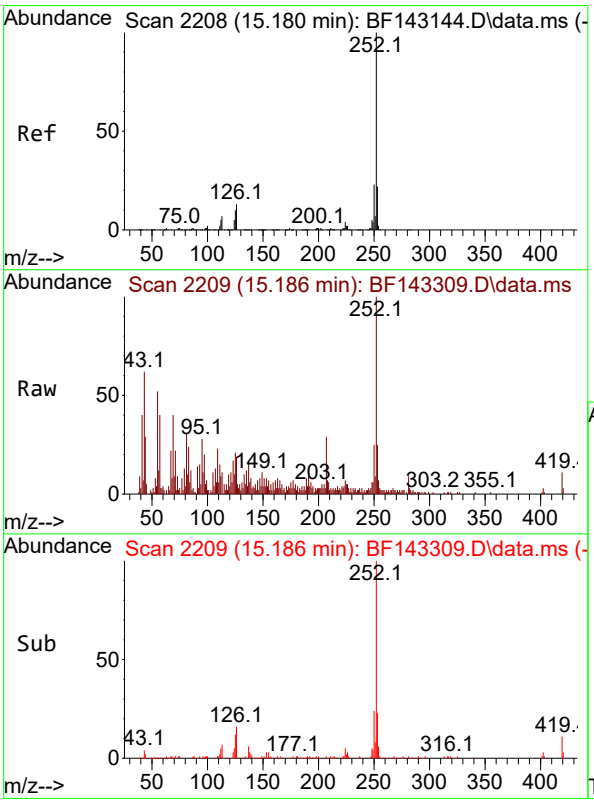
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.9	17.4	26.2

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

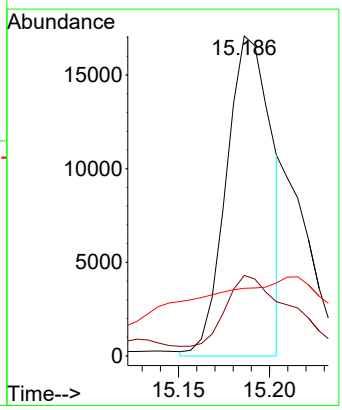




#88
Benzo(b)fluoranthene
Concen: 2.062 ng m
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:252 Resp: 29424

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	21.1	8.0	12.0#



Sample Results: **BF143309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On : 05 Aug 2025 12:03
Operator : RC/JU
Sample : Q2747-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

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: BF143309.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.310	12	20	32	rVB	778215	1262235	21.74%	3.035%
2	5.193	503	510	518	rBV	185461	274937	4.74%	0.661%
3	5.593	572	578	592	rBV	1749573	2339409	40.29%	5.626%
4	6.587	737	747	752	rBV	1763723	2390614	41.17%	5.749%
5	6.963	805	811	816	rBV	609550	768878	13.24%	1.849%
6	7.516	899	905	910	rBV	1208346	1579916	27.21%	3.799%
7	8.239	1023	1028	1041	rBV	753687	964287	16.61%	2.319%
8	9.316	1205	1211	1222	rBV	1978137	2572159	44.30%	6.185%
9	9.998	1321	1327	1339	rBV	779446	1024915	17.65%	2.465%
10	10.704	1443	1447	1454	rVB	159839	206589	3.56%	0.497%
11	10.786	1455	1461	1477	rVV	962499	1324994	22.82%	3.186%
12	11.486	1575	1580	1586	rBV	608605	818691	14.10%	1.969%
13	11.851	1639	1642	1651	rVB4	41648	80935	1.39%	0.195%
14	12.004	1664	1668	1682	rVB2	370989	614916	10.59%	1.479%
15	12.186	1695	1699	1708	rVB6	92519	154826	2.67%	0.372%
16	12.633	1771	1775	1781	rVB2	53609	94911	1.63%	0.228%
17	12.698	1782	1786	1791	rBV	98966	164526	2.83%	0.396%
18	12.792	1798	1802	1808	rBV	81854	129397	2.23%	0.311%
19	12.927	1822	1825	1833	rVB	65537	108155	1.86%	0.260%
20	13.069	1843	1849	1863	rBV	1302887	1706864	29.40%	4.104%
21	13.504	1920	1923	1927	rVB3	63341	78594	1.35%	0.189%
22	13.963	1997	2001	2011	rVB2	198461	339008	5.84%	0.815%
23	14.127	2013	2029	2040	rBV	844350	2112038	36.38%	5.079%
24	14.592	2103	2108	2115	rBV2	235638	395343	6.81%	0.951%
25	14.986	2171	2175	2183	rVB	293648	429707	7.40%	1.033%
26	15.263	2217	2222	2233	rVB	768954	1220273	21.02%	2.934%
27	15.633	2280	2285	2297	rVB	385801	685788	11.81%	1.649%
28	16.010	2345	2349	2357	rVB	91044	168372	2.90%	0.405%
29	16.121	2362	2368	2374	rBV	551428	955420	16.46%	2.297%
30	16.410	2411	2417	2431	rVB	235501	555509	9.57%	1.336%
31	17.568	2607	2614	2627	rBV5	280199	838971	14.45%	2.017%
32	17.880	2650	2667	2684	rBV4	1291028	5806058	100.00%	13.962%
33	18.056	2692	2697	2705	rVB	334846	801687	13.81%	1.928%
34	18.321	2734	2742	2754	rBV	743767	2597620	44.74%	6.246%
35	18.433	2756	2761	2773	rVB6	510573	1599728	27.55%	3.847%
36	18.698	2796	2806	2825	rBV6	656851	3701410	63.75%	8.901%

Sample Results: **BF143309.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On    : 05 Aug 2025  12:03
Operator  : RC/JU
Sample    : Q2747-03
Misc      :
ALS Vial  : 6   Sample Multiplier: 1

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

37  18.851  2826 2832 2838 rBV2  278649    717682  12.36%   1.726%


                       Sum of corrected areas:    41585362
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

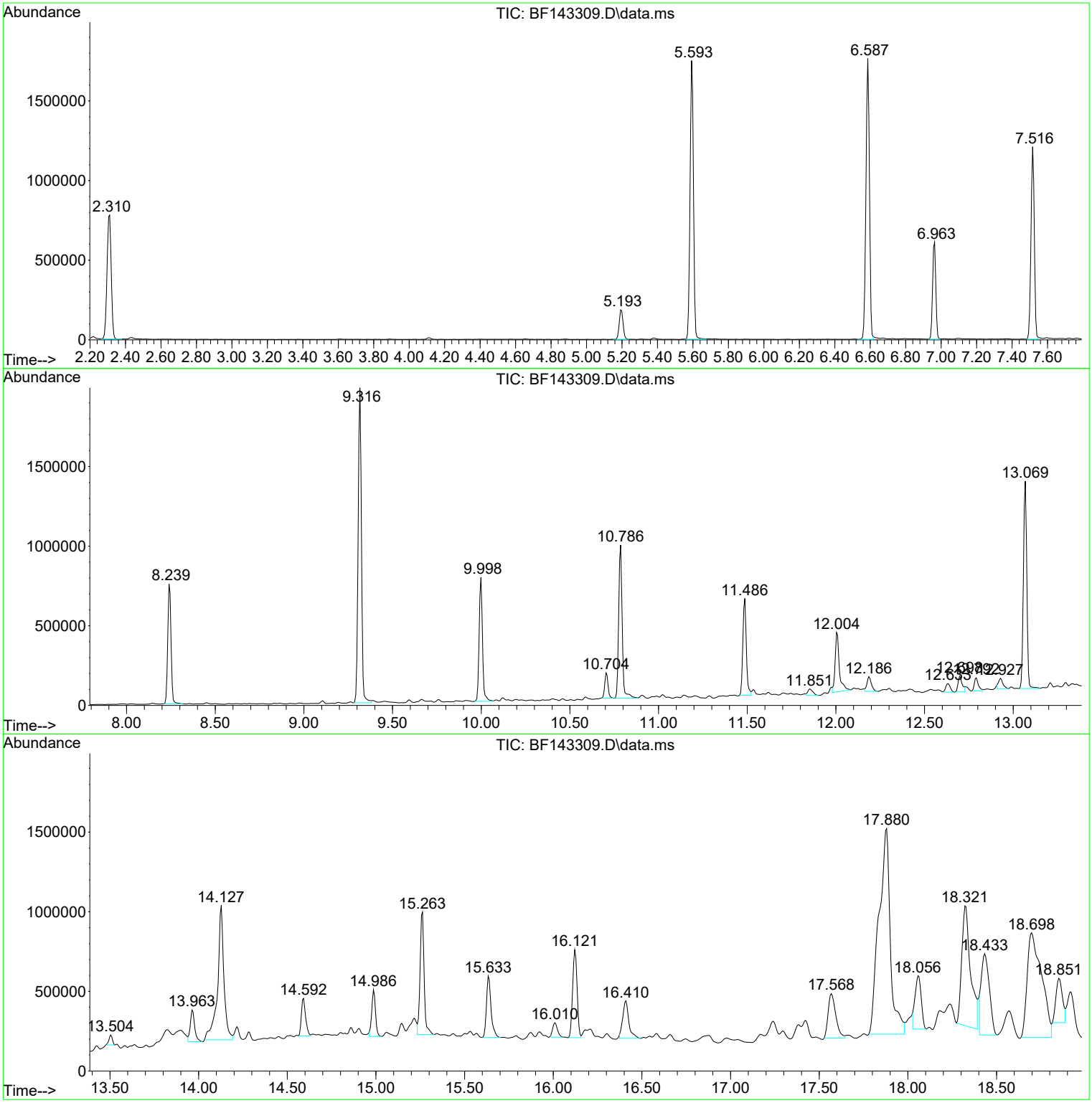
Sample Results: **BF143309.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On : 05 Aug 2025 12:03
Operator : RC/JU
Sample : Q2747-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

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\BF080525\
Data File : BF143309.D
Acq On    : 05 Aug 2025  12:03
Operator  : RC/JU
Sample    : Q2747-03
Misc      :
ALS Vial  : 6   Sample Multiplier: 1

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
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On : 05 Aug 2025 12:03
Operator : RC/JU
Sample : Q2747-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
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
BF143310.D	1	08/04/25 09:20	08/05/25 12:32	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.16	U	0.028	0.16	0.21	mg/Kg
91-57-6	2-Methylnaphthalene	0.16	U	0.032	0.16	0.21	mg/Kg
208-96-8	Acenaphthylene	0.16	U	0.036	0.16	0.21	mg/Kg
83-32-9	Acenaphthene	0.16	U	0.027	0.16	0.21	mg/Kg
86-73-7	Fluorene	0.16	U	0.031	0.16	0.21	mg/Kg
85-01-8	Phenanthrene	0.16	U	0.026	0.16	0.21	mg/Kg
120-12-7	Anthracene	0.16	U	0.041	0.16	0.21	mg/Kg
206-44-0	Fluoranthene	0.11	J	0.037	0.16	0.21	mg/Kg
129-00-0	Pyrene	0.16	U	0.045	0.16	0.21	mg/Kg
56-55-3	Benzo(a)anthracene	0.16	U	0.029	0.16	0.21	mg/Kg
218-01-9	Chrysene	0.16	U	0.025	0.16	0.21	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.16	U	0.024	0.16	0.21	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.16	U	0.028	0.16	0.21	mg/Kg
50-32-8	Benzo(a)pyrene	0.16	U	0.037	0.16	0.21	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.16	U	0.036	0.16	0.21	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.16	U	0.034	0.16	0.21	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.16	U	0.032	0.16	0.21	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	59.0		37 - 122		59%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.0		44 - 115		59%	SPK: 100
1718-51-0	Terphenyl-d14	39.4	*	54 - 127		39%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	125000	6.963				
1146-65-2	Naphthalene-d8	461000	8.239				
15067-26-2	Acenaphthene-d10	208000	9.998				
1517-22-2	Phenanthrene-d10	287000	11.486				
1719-03-5	Chrysene-d12	256000	14.127				
1520-96-3	Perylene-d12	224000	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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-OG4-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-05	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	80.5
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
BF143310.D	1	08/04/25 09:20	08/05/25 12:32	PB169095

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

Sample Results: **BF143310.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143310.D
Acq On : 05 Aug 2025 12:32
Operator : RC/JU
Sample : Q2747-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Quant Time: Aug 05 13:02:19 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 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	124773	20.000 ng	0.00
21) Naphthalene-d8	8.239	136	460606	20.000 ng	0.00
39) Acenaphthene-d10	9.998	164	207758	20.000 ng	0.00
64) Phenanthrene-d10	11.486	188	287499	20.000 ng	0.00
76) Chrysene-d12	14.127	240	255841	20.000 ng	0.00
86) Perylene-d12	15.633	264	223867	20.000 ng	0.01
System Monitoring Compounds					
5) 2-Fluorophenol	5.598	112	673630	85.435 ng	0.01
7) Phenol-d6	6.587	99	854416	86.093 ng	0.00
23) Nitrobenzene-d5	7.516	82	544747	58.953 ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	160898	74.967 ng	0.00
45) 2-Fluorobiphenyl	9.316	172	896404	59.008 ng	0.00
79) Terphenyl-d14	13.068	244	677203	39.390 ng	0.00
Target Compounds					Qvalue
75) Fluoranthene	12.698	202	38376	2.739 ng	96

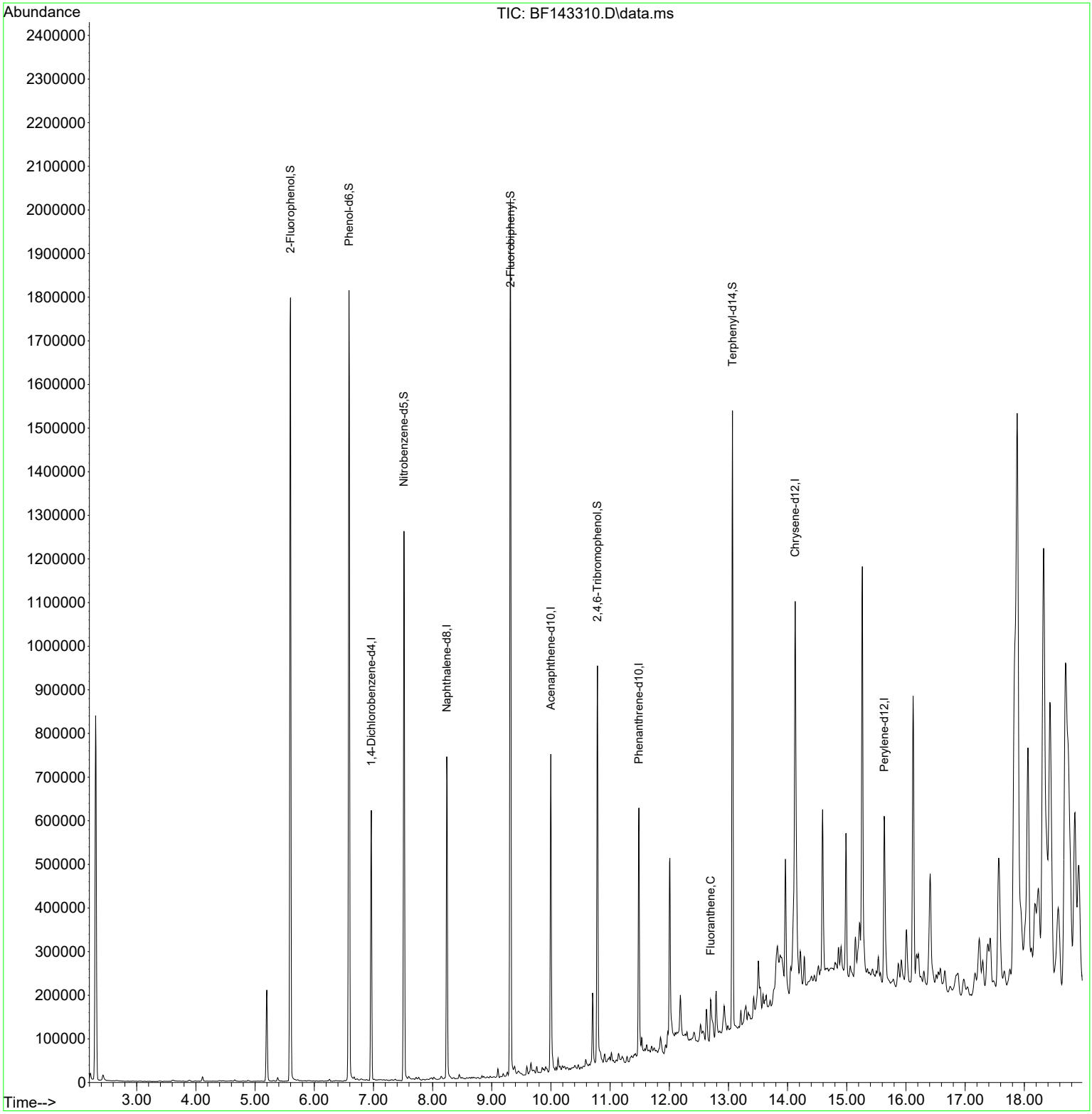
(#) = qualifier out of range (m) = manual integration (+) = signals summed

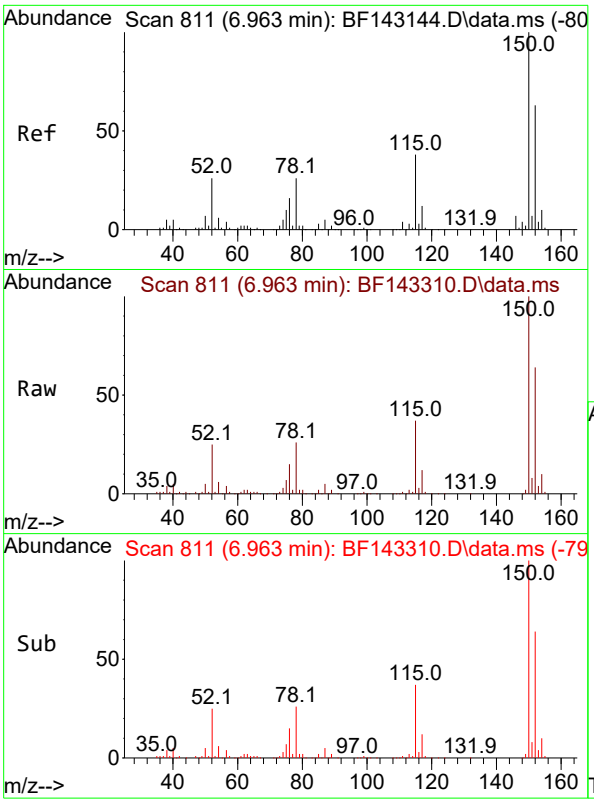
Sample Results: **BF143310.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143310.D
Acq On : 05 Aug 2025 12:32
Operator : RC/JU
Sample : Q2747-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Quant Time: Aug 05 13:02:19 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 15:14:05 2025
Response via : Initial Calibration



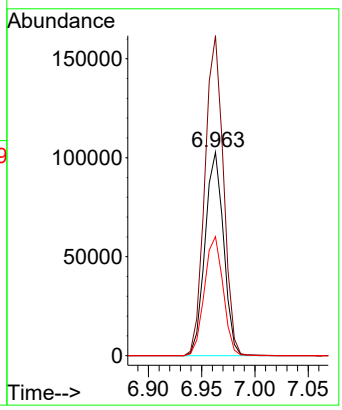


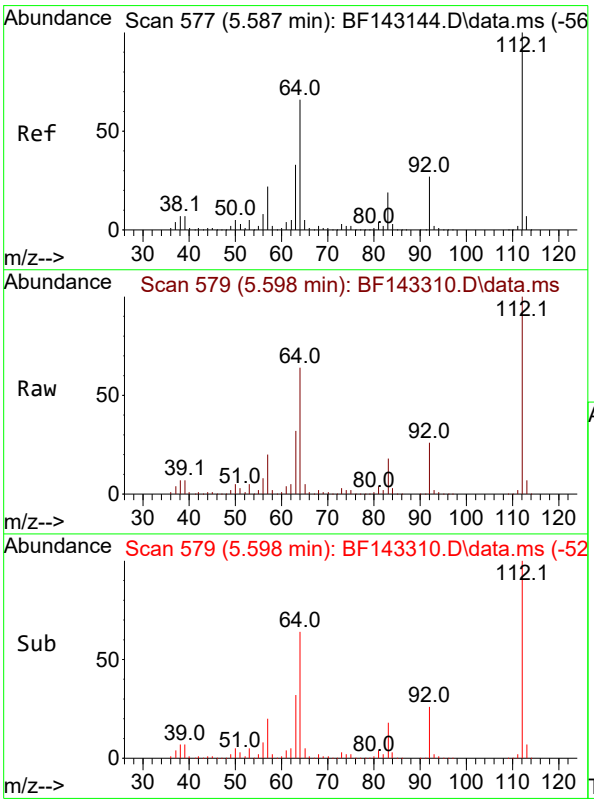
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:152 Resp: 124773

Ion	Ratio	Lower	Upper
152	100		
150	157.2	128.2	192.4
115	58.5	47.9	71.9

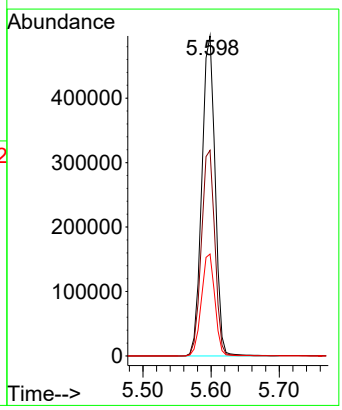


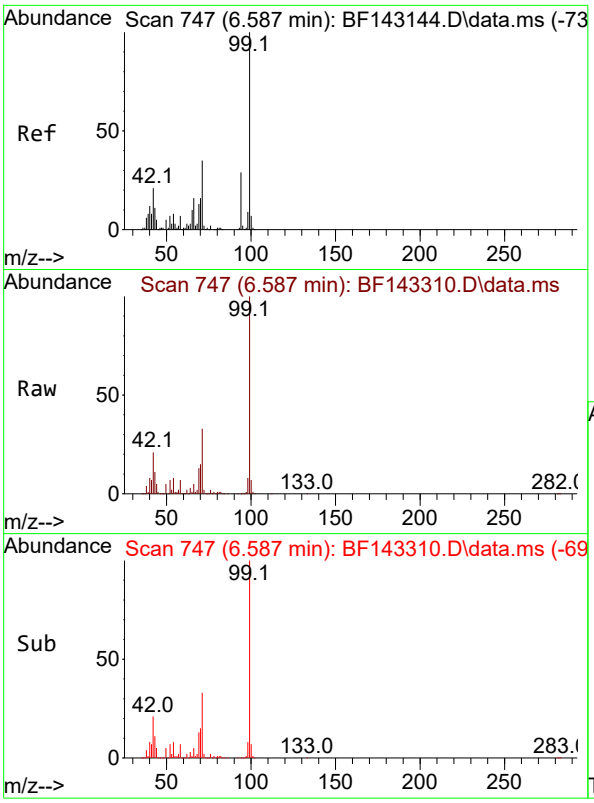


#5
2-Fluorophenol
Concen: 85.435 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:112 Resp: 673630

Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.1	79.7
63	31.9	26.6	40.0



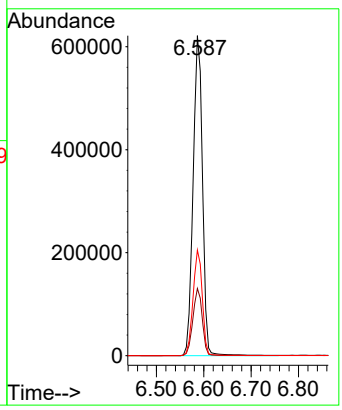


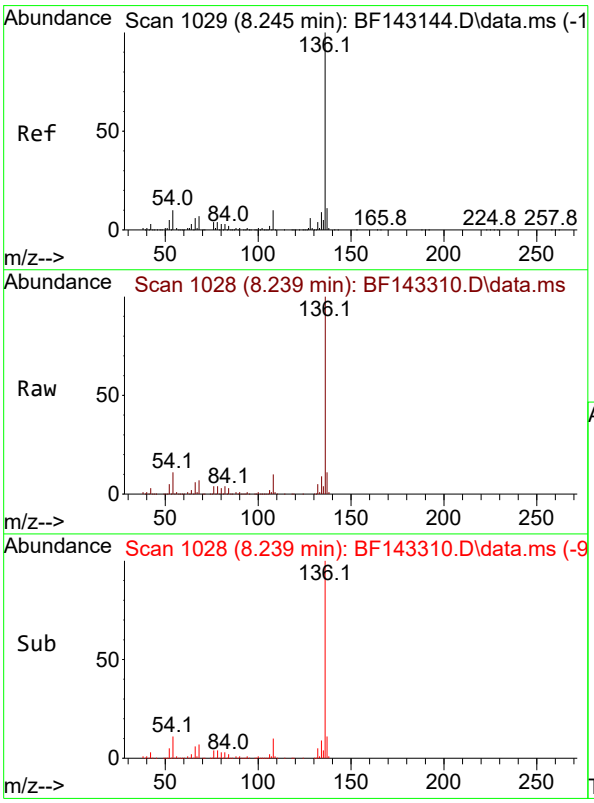
#7
Phenol-d6
Concen: 86.093 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion: 99 Resp: 854416

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.6
71	33.0	27.7	41.5

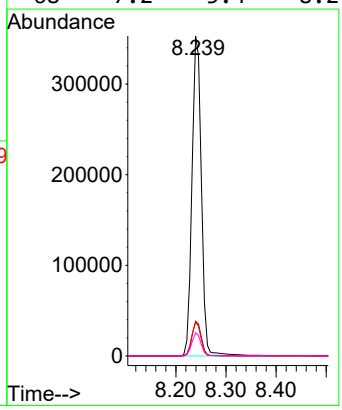


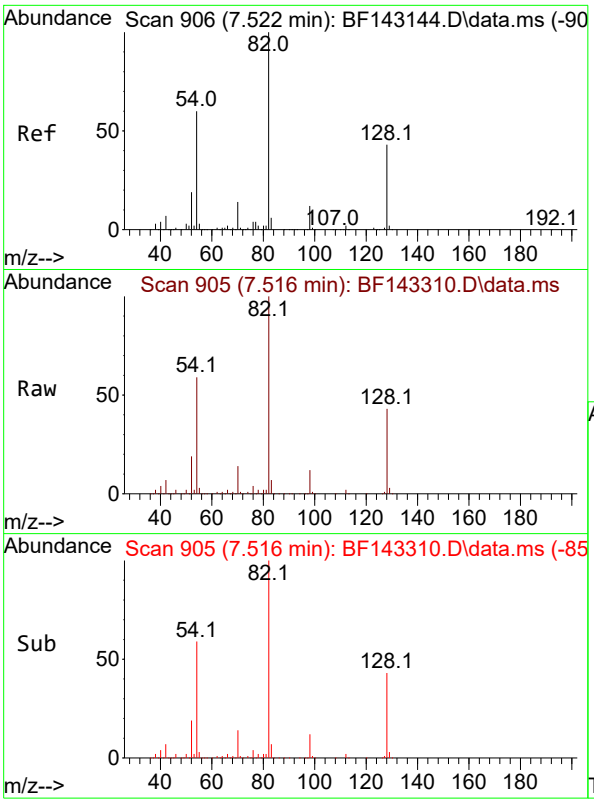


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:136 Resp: 460606

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.6	8.2	12.2
68	7.2	5.4	8.2



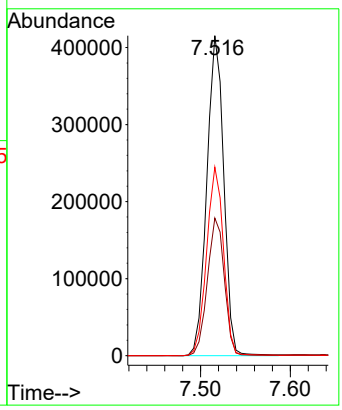


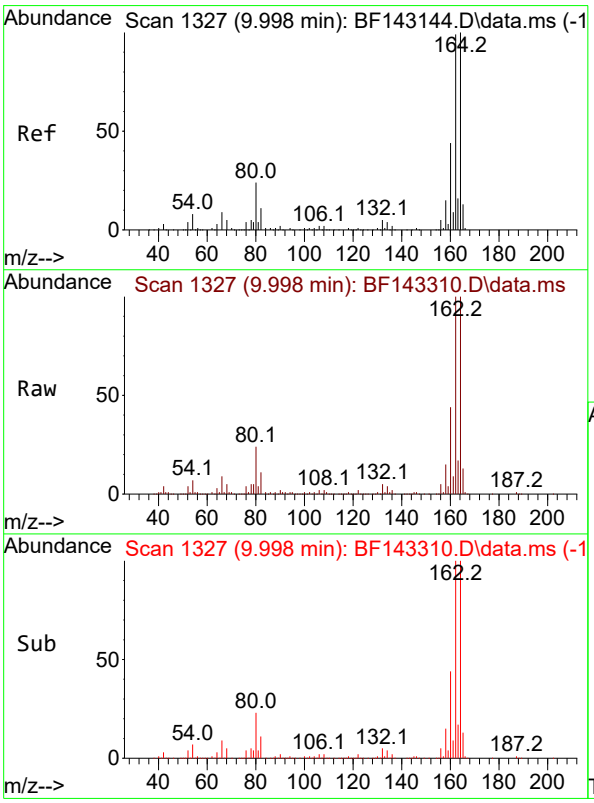
#23
Nitrobenzene-d5
Concen: 58.953 ng
RT: 7.516 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion: 82 Resp: 544747

Ion	Ratio	Lower	Upper
82	100		
128	43.0	33.6	50.4
54	58.9	47.1	70.7

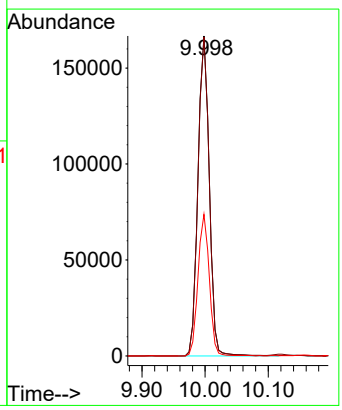


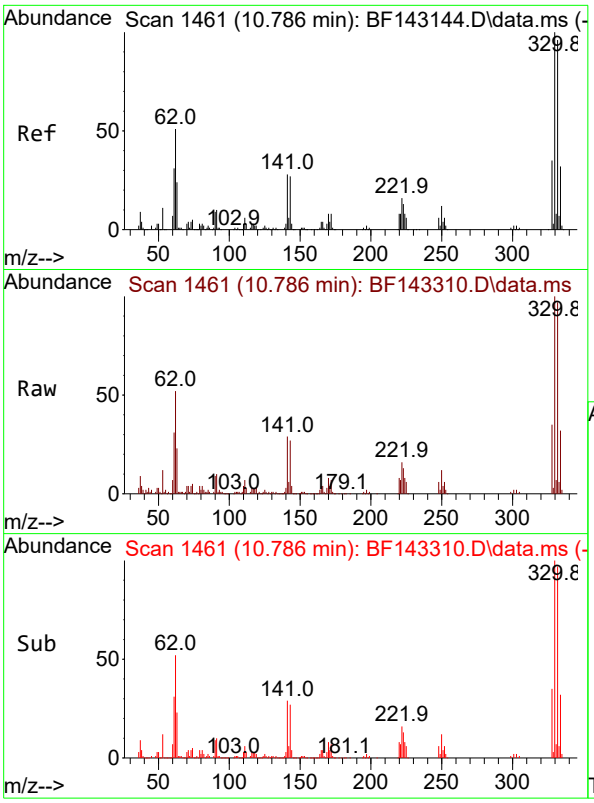


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:164 Resp: 207758

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.0	118.6
160	44.2	35.1	52.7



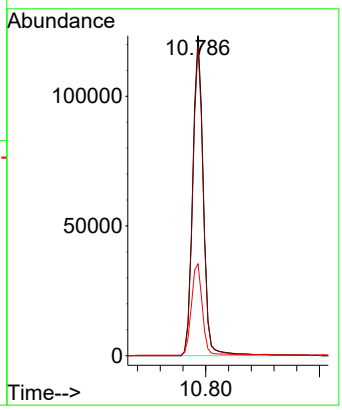


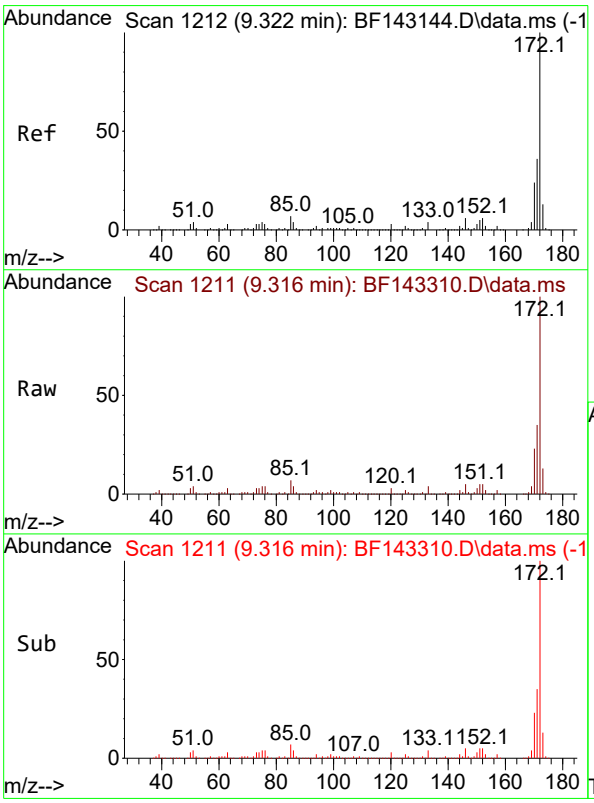
#42
2,4,6-Tribromophenol
Concen: 74.967 ng
RT: 10.786 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:330 Resp: 160898

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	29.5	23.3	34.9

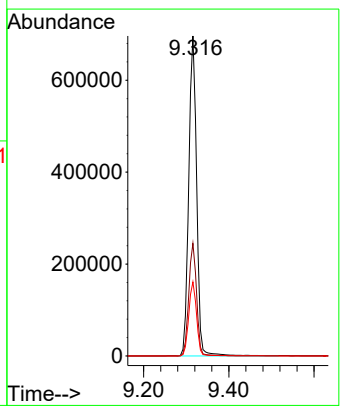


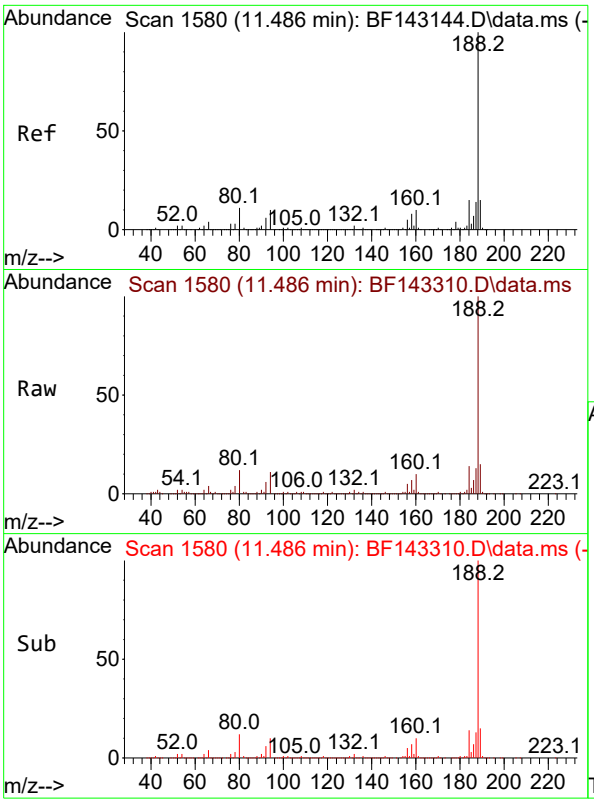


#45
2-Fluorobiphenyl
Concen: 59.008 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:172 Resp: 896404

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.8	28.2



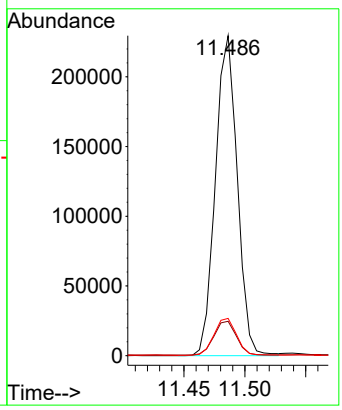


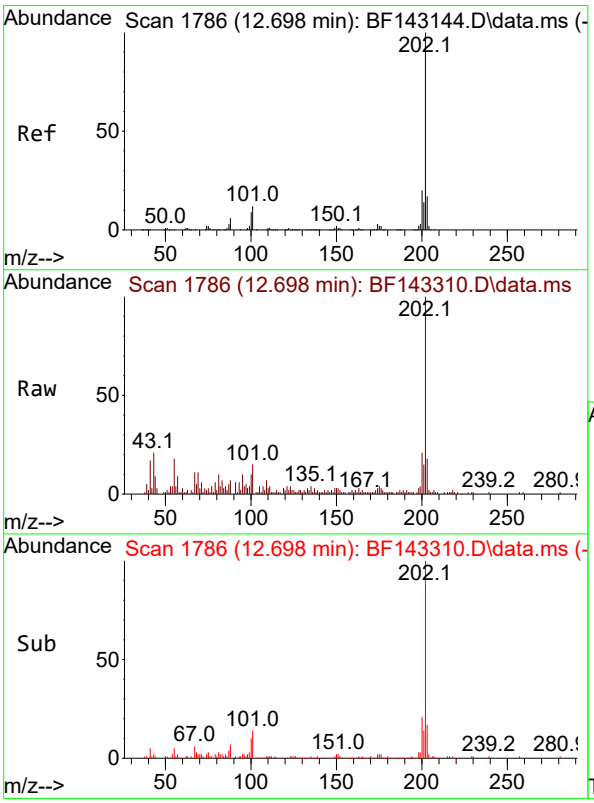
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:188 Resp: 287499

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	11.6	9.0	13.6

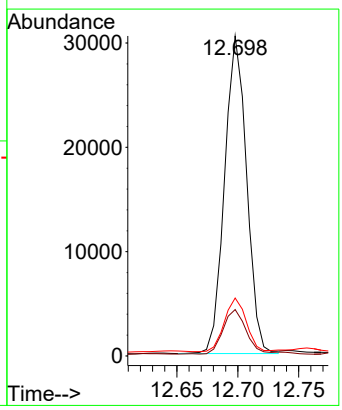


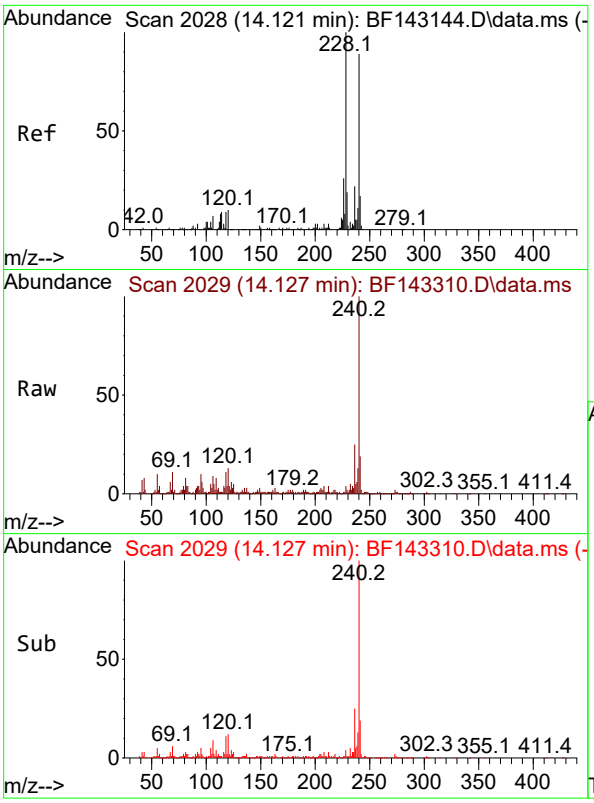


#75
Fluoranthene
Concen: 2.739 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:202 Resp: 38376

Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	31.7
203	18.1	0.0	37.4



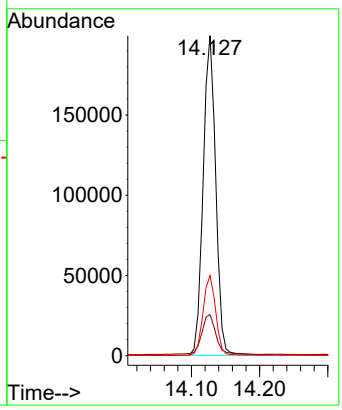


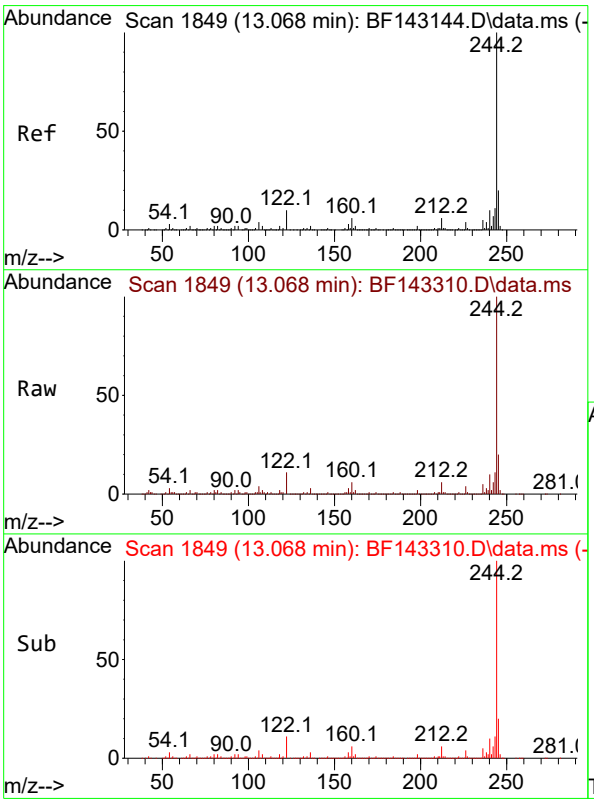
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:240 Resp: 255841

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.4	14.2
236	25.0	20.2	30.4

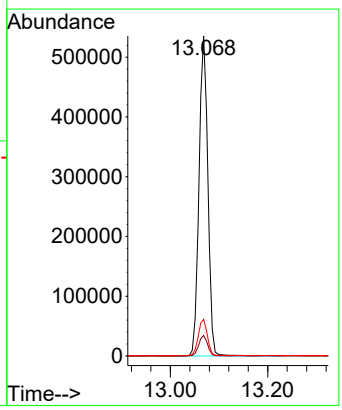


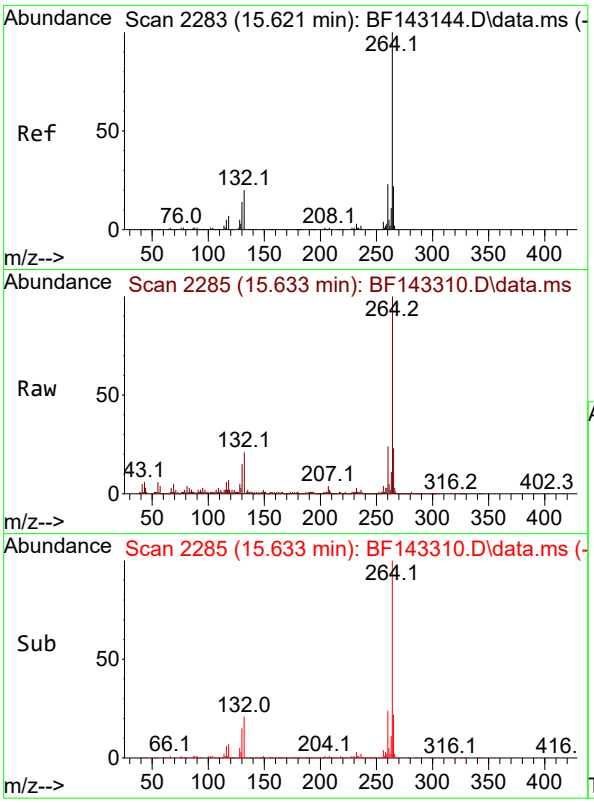


#79
Terphenyl-d14
Concen: 39.390 ng
RT: 13.068 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Tgt Ion:244 Resp: 677203

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.2	12.2



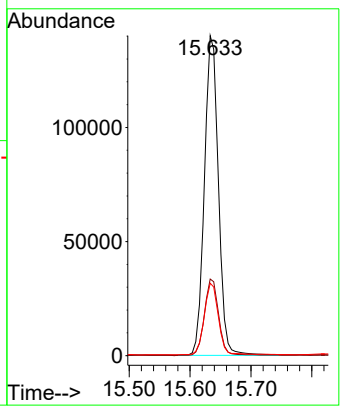


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143310.D
Acq: 05 Aug 2025 12:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

Tgt Ion:264 Resp: 223867

Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.5	27.7
265	22.7	17.4	26.2



Sample Results: **BF143310.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143310.D
Acq On : 05 Aug 2025 12:32
Operator : RC/JU
Sample : Q2747-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

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: BF143310.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.304	12	19	29	rVB	835877	1323904	23.83%	2.992%
2	5.198	504	511	523	rBV	209269	306227	5.51%	0.692%
3	5.598	572	579	584	rBV	1795144	2449386	44.09%	5.535%
4	6.587	737	747	759	rBV	1812303	2500115	45.01%	5.649%
5	6.963	806	811	816	rBV	618697	759668	13.68%	1.717%
6	7.516	899	905	910	rBV	1259477	1651129	29.72%	3.731%
7	8.239	1023	1028	1043	rVB	737955	955714	17.20%	2.160%
8	9.316	1205	1211	1219	rBV	2008826	2571993	46.30%	5.812%
9	9.998	1321	1327	1339	rBV	726918	960905	17.30%	2.171%
10	10.704	1443	1447	1454	rVB	160149	209575	3.77%	0.474%
11	10.786	1455	1461	1477	rVB	909330	1260247	22.69%	2.848%
12	11.486	1575	1580	1586	rBV	565486	753751	13.57%	1.703%
13	11.851	1639	1642	1652	rVB3	37700	71274	1.28%	0.161%
14	12.010	1664	1669	1682	rVB	419547	676347	12.18%	1.528%
15	12.186	1695	1699	1710	rVB4	92598	149420	2.69%	0.338%
16	12.627	1770	1774	1782	rVB	73403	125294	2.26%	0.283%
17	12.698	1782	1786	1797	rBV2	95497	246157	4.43%	0.556%
18	12.792	1798	1802	1809	rBV	104663	166904	3.00%	0.377%
19	13.068	1844	1849	1854	rBV	1414467	1795433	32.32%	4.057%
20	13.504	1920	1923	1927	rBV3	75402	102278	1.84%	0.231%
21	13.962	1997	2001	2011	rVB	308415	505881	9.11%	1.143%
22	14.051	2013	2016	2018	rBV	51252	72728	1.31%	0.164%
23	14.127	2021	2029	2040	rVB	857355	1890546	34.03%	4.272%
24	14.592	2103	2108	2115	rBV2	368554	576788	10.38%	1.303%
25	14.986	2171	2175	2183	rVB	328748	469026	8.44%	1.060%
26	15.145	2199	2202	2206	rBV2	66013	94140	1.69%	0.213%
27	15.262	2217	2222	2233	rVB	929884	1480059	26.64%	3.344%
28	15.633	2280	2285	2303	rVB	383118	725523	13.06%	1.639%
29	16.009	2345	2349	2359	rVB	120621	237301	4.27%	0.536%
30	16.121	2362	2368	2374	rBV	653763	1132167	20.38%	2.558%
31	16.409	2412	2417	2430	rVB	248651	575911	10.37%	1.301%
32	17.568	2607	2614	2625	rBV5	286244	805644	14.50%	1.820%
33	17.880	2651	2667	2684	rBV4	1263036	5555050	100.00%	12.552%
34	18.062	2692	2698	2705	rVB	467551	1117849	20.12%	2.526%
35	18.327	2734	2743	2755	rBV	903244	3218926	57.95%	7.274%
36	18.433	2756	2761	2773	rVB5	618997	1890923	34.04%	4.273%

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143310.D
Acq On    : 05 Aug 2025  12:32
Operator  : RC/JU
Sample    : Q2747-05
Misc      :
ALS Vial  : 7   Sample Multiplier: 1

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

37  18.697  2796 2806 2825 rBV4  732873   4066890  73.21%   9.190%
38  18.856  2826 2833 2839 rBV2  303922    803938  14.47%   1.817%


                        Sum of corrected areas:    44255011
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

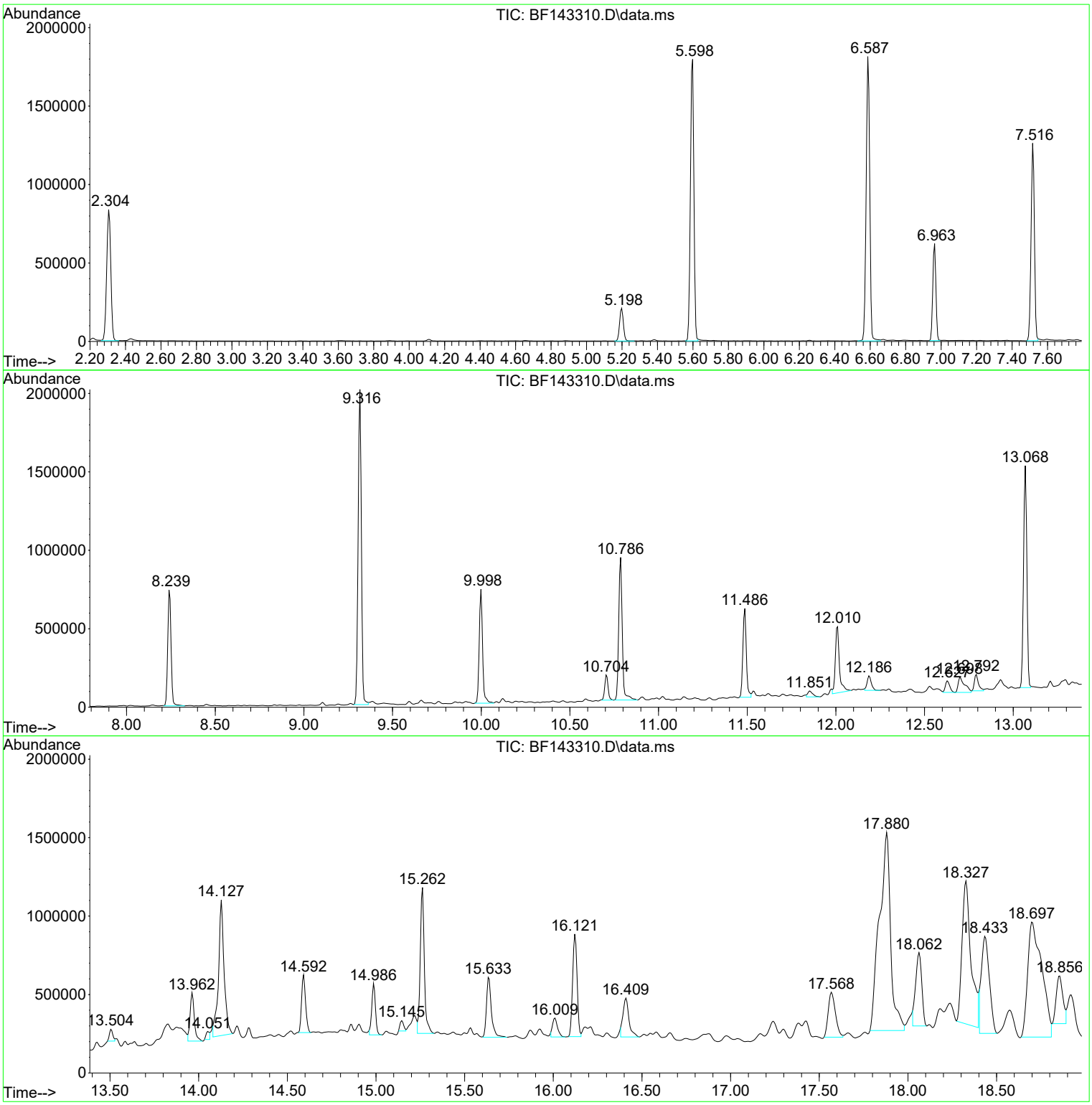
Sample Results: **BF143310.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143310.D
Acq On : 05 Aug 2025 12:32
Operator : RC/JU
Sample : Q2747-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

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\BF080525\
Data File : BF143310.D
Acq On : 05 Aug 2025 12:32
Operator : RC/JU
Sample : Q2747-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

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\BF080525\
Data File : BF143310.D
Acq On : 05 Aug 2025 12:32
Operator : RC/JU
Sample : Q2747-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG4-073125

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	66.4
Sample Wt/Vol:	30.04 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
BF143311.D	1	08/04/25 09:20	08/05/25 13:01	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.20	U	0.034	0.20	0.26	mg/Kg
91-57-6	2-Methylnaphthalene	0.20	U	0.039	0.20	0.26	mg/Kg
208-96-8	Acenaphthylene	0.20	U	0.044	0.20	0.26	mg/Kg
83-32-9	Acenaphthene	0.20	U	0.032	0.20	0.26	mg/Kg
86-73-7	Fluorene	0.20	U	0.038	0.20	0.26	mg/Kg
85-01-8	Phenanthrene	0.20	U	0.031	0.20	0.26	mg/Kg
120-12-7	Anthracene	0.20	U	0.050	0.20	0.26	mg/Kg
206-44-0	Fluoranthene	0.23	J	0.045	0.20	0.26	mg/Kg
129-00-0	Pyrene	0.14	J	0.054	0.20	0.26	mg/Kg
56-55-3	Benzo(a)anthracene	0.15	J	0.035	0.20	0.26	mg/Kg
218-01-9	Chrysene	0.20	J	0.030	0.20	0.26	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.33		0.029	0.20	0.26	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.20	U	0.034	0.20	0.26	mg/Kg
50-32-8	Benzo(a)pyrene	0.16	J	0.044	0.20	0.26	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.20	U	0.044	0.20	0.26	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.20	U	0.041	0.20	0.26	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.11	J	0.039	0.20	0.26	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	50.6		37 - 122		51%	SPK: 100
321-60-8	2-Fluorobiphenyl	50.3		44 - 115		50%	SPK: 100
1718-51-0	Terphenyl-d14	40.3	*	54 - 127		40%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	130000	6.963				
1146-65-2	Naphthalene-d8	488000	8.24				
15067-26-2	Acenaphthene-d10	228000	9.998				
1517-22-2	Phenanthrene-d10	315000	11.486				
1719-03-5	Chrysene-d12	239000	14.127				
1520-96-3	Perylene-d12	200000	15.639				
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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP01-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-07	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	66.4
Sample Wt/Vol:	30.04 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
BF143311.D	1	08/04/25 09:20	08/05/25 13:01	PB169095

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

Sample Results: **BF143311.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143311.D
Acq On : 05 Aug 2025 13:01
Operator : RC/JU
Sample : Q2747-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 05 13:29:50 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	129995	20.000	ng		0.00
21) Naphthalene-d8	8.240	136	487756	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	228245	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	315254	20.000	ng		0.00
76) Chrysene-d12	14.127	240	238738	20.000	ng		0.00
86) Perylene-d12	15.639	264	200028	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	608610	74.088	ng		0.00
7) Phenol-d6	6.587	99	781098	75.543	ng		0.00
23) Nitrobenzene-d5	7.516	82	495547	50.643	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	148725	63.075	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	839103	50.278	ng		0.00
79) Terphenyl-d14	13.069	244	646423	40.293	ng		0.00
Target Compounds							Qvalue
75) Fluoranthene	12.698	202	69136	4.500	ng		97
78) Pyrene	12.927	202	58855	2.889	ng		98
81) Benzo(a)anthracene	14.116	228	47782	2.989	ng	#	89
83) Chrysene	14.151	228	57772	4.020	ng	#	95
84) Bis(2-ethylhexyl)phtha...	14.104	149	26361	2.791	ng		98
88) Benzo(b)fluoranthene	15.192	252	81090m	6.636	ng		
90) Benzo(a)pyrene	15.569	252	36380	3.231	ng	#	83
92) Benzo(g,h,i)perylene	17.651	276	25346	2.282	ng	#	91

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

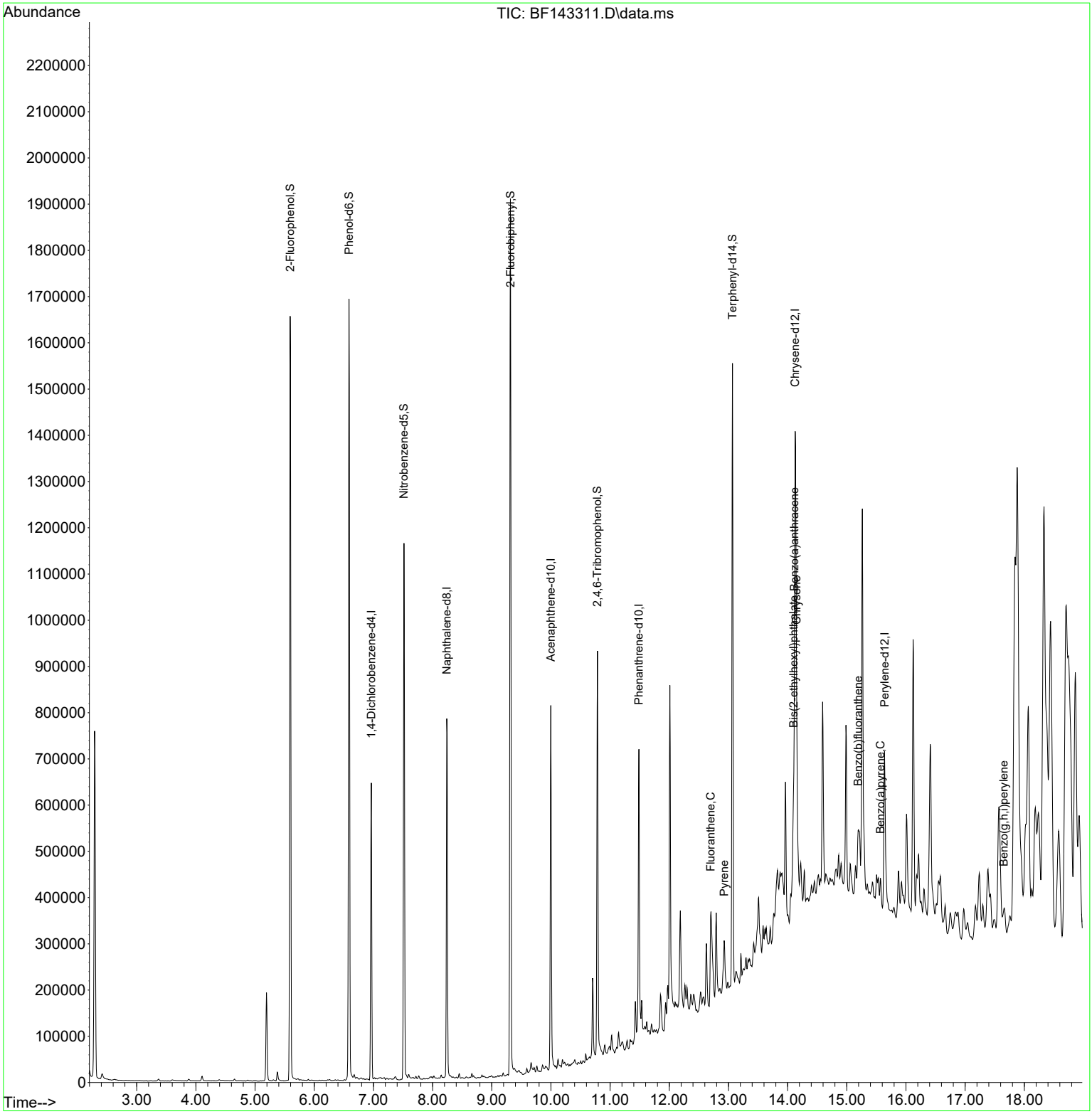
Sample Results: **BF143311.D**

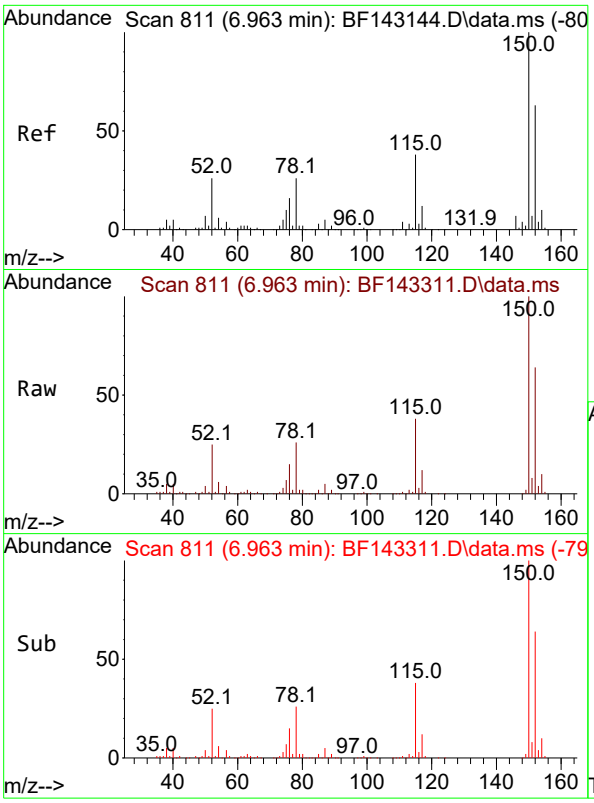
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143311.D
Acq On : 05 Aug 2025 13:01
Operator : RC/JU
Sample : Q2747-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 05 13:29:50 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 :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

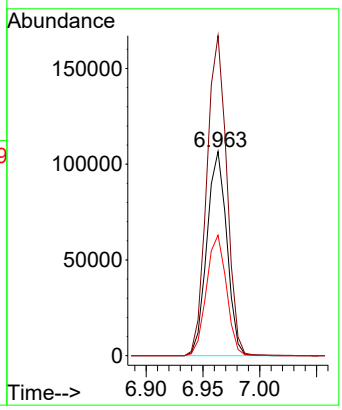
Tgt Ion:152 Resp: 12999

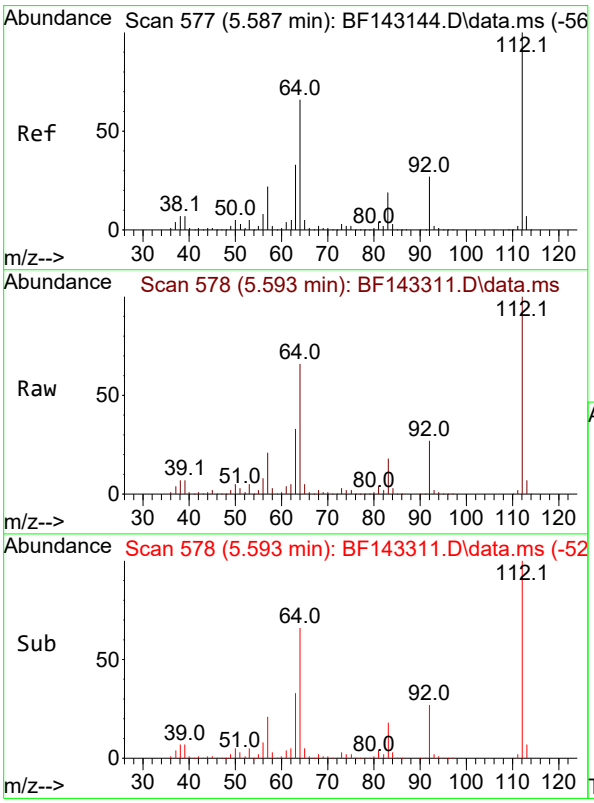
Ion	Ratio	Lower	Upper
152	100		
150	156.8	128.2	192.4
115	59.0	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

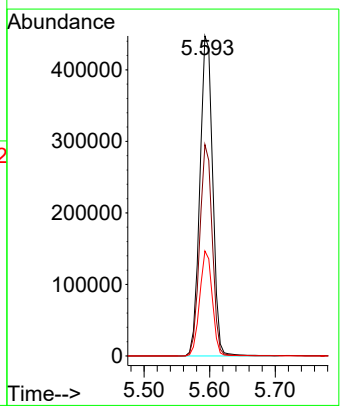


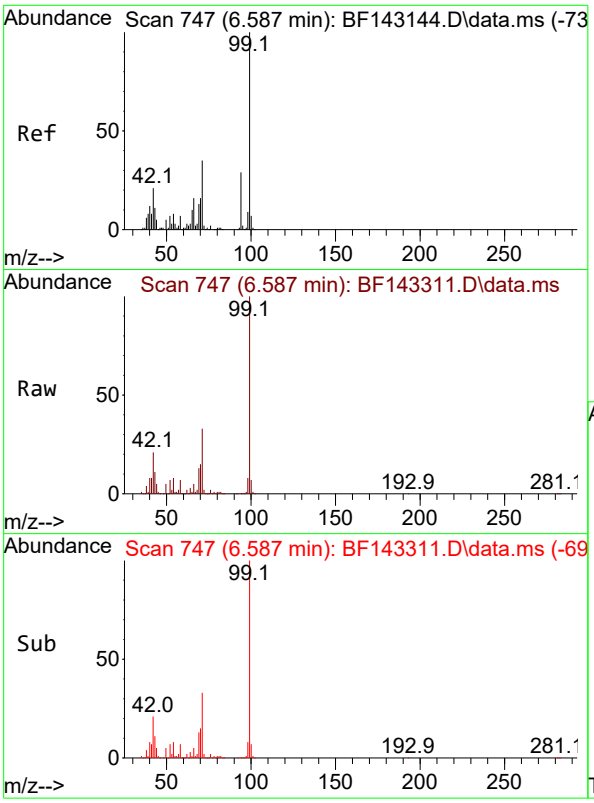


#5
2-Fluorophenol
Concen: 74.088 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:112 Resp: 608610

Ion	Ratio	Lower	Upper
112	100		
64	66.1	53.1	79.7
63	32.8	26.6	40.0





#7
Phenol-d6
Concen: 75.543 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

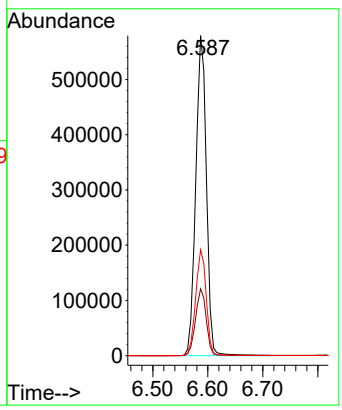
Tgt Ion: 99 Resp: 781098

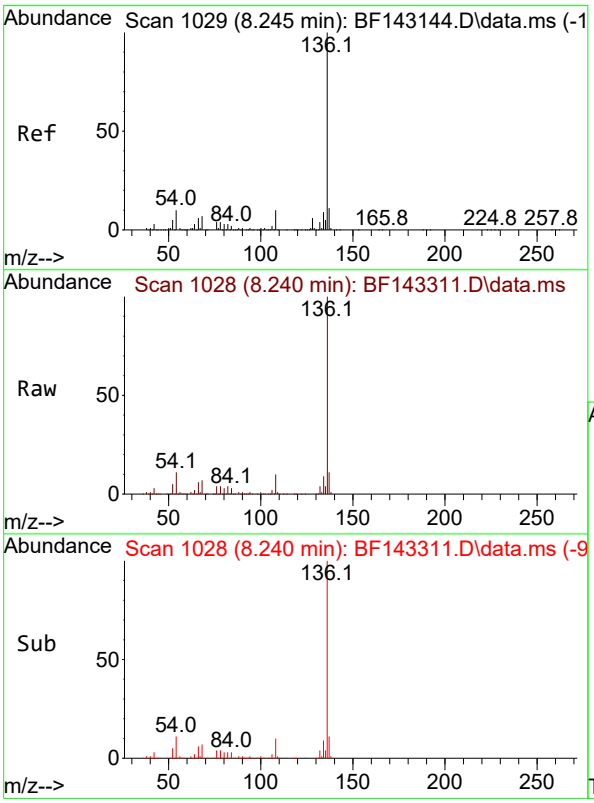
Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.0	25.6
71	33.1	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

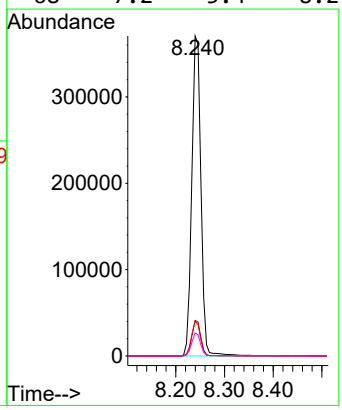


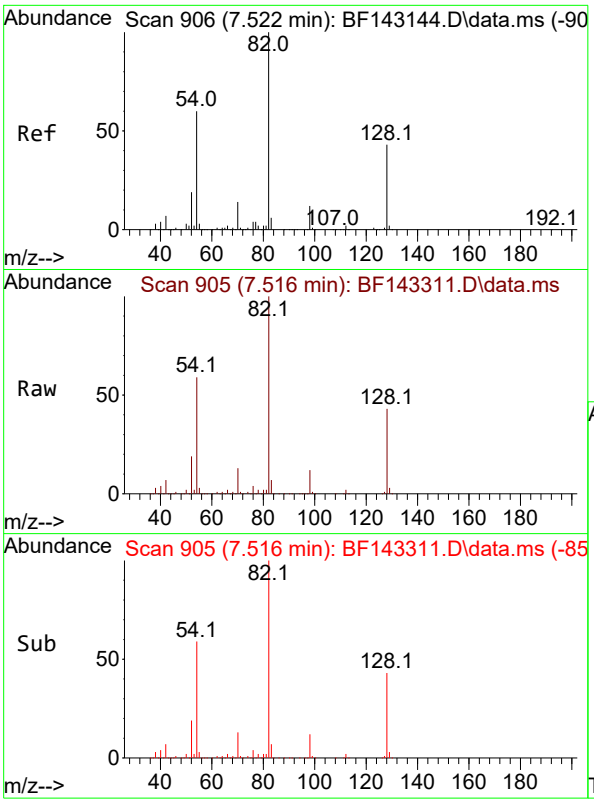


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1028
Delta R.T. -0.005 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:136 Resp: 487756

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.9	8.2	12.2
68	7.2	5.4	8.2





#23
Nitrobenzene-d5
Concen: 50.643 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

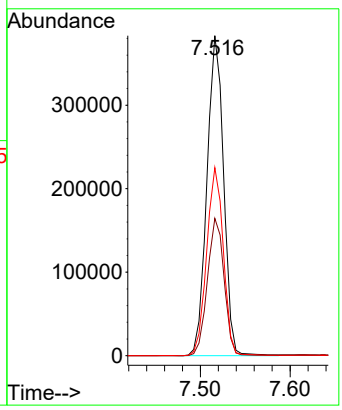
Tgt Ion: 82 Resp: 49554

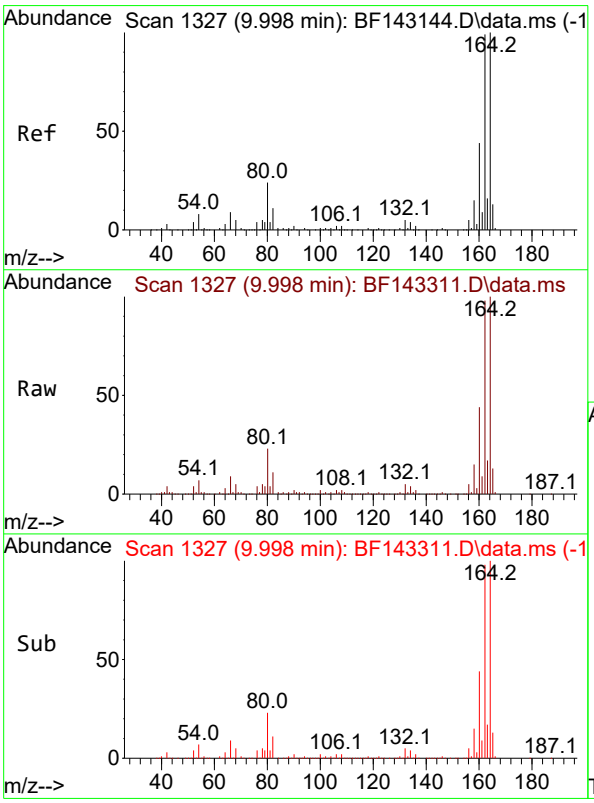
Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.6	50.4
54	58.8	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

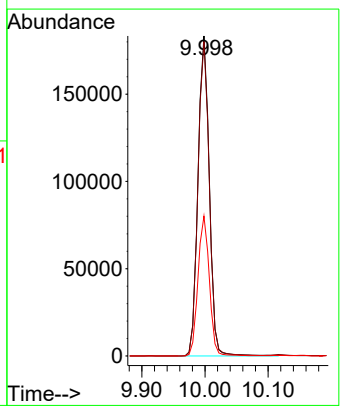


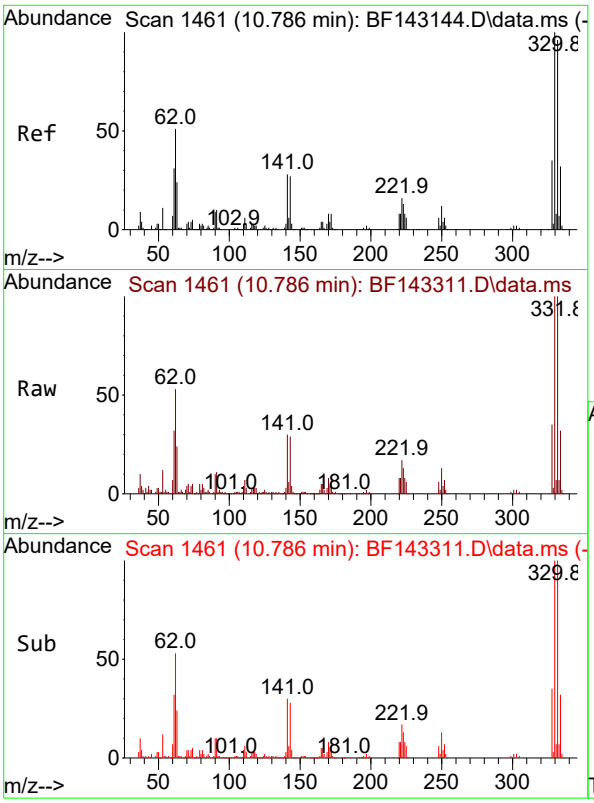


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:164 Resp: 228245

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	43.7	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 63.075 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

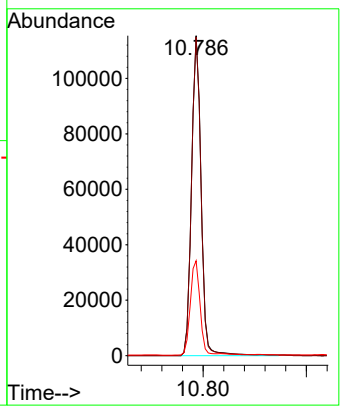
Tgt Ion:330 Resp: 14872

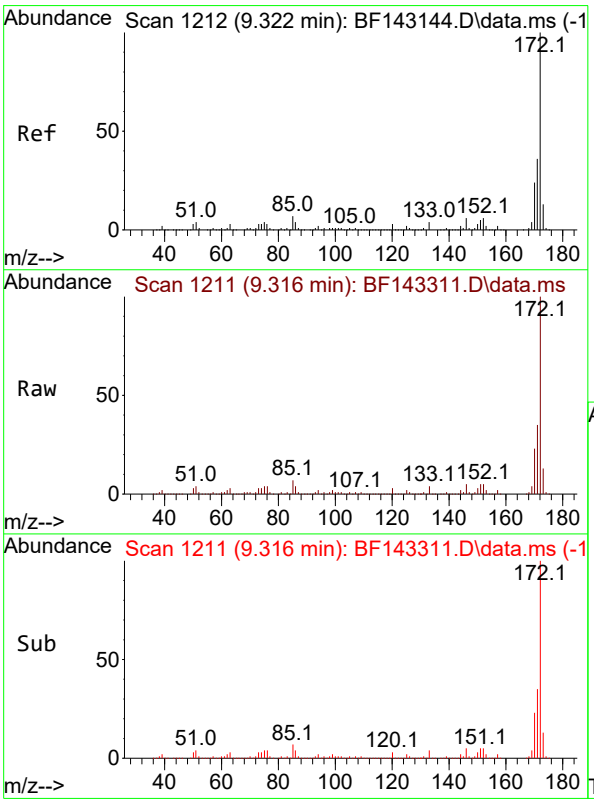
Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.7	115.1
141	29.6	23.3	34.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

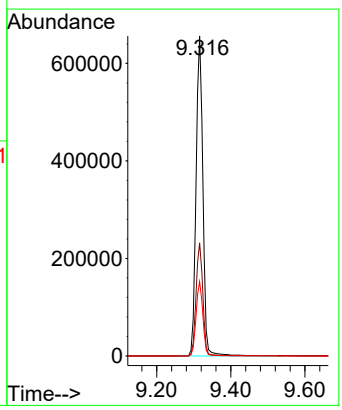


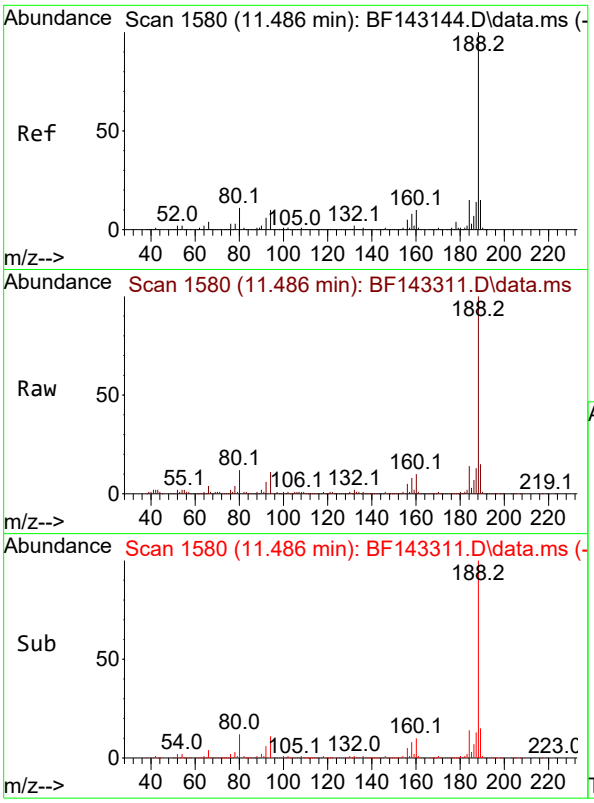


#45
2-Fluorobiphenyl
Concen: 50.278 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:172 Resp: 839103

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.2	18.8	28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

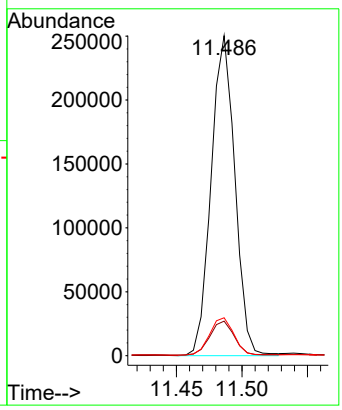
Tgt Ion:188 Resp: 31525

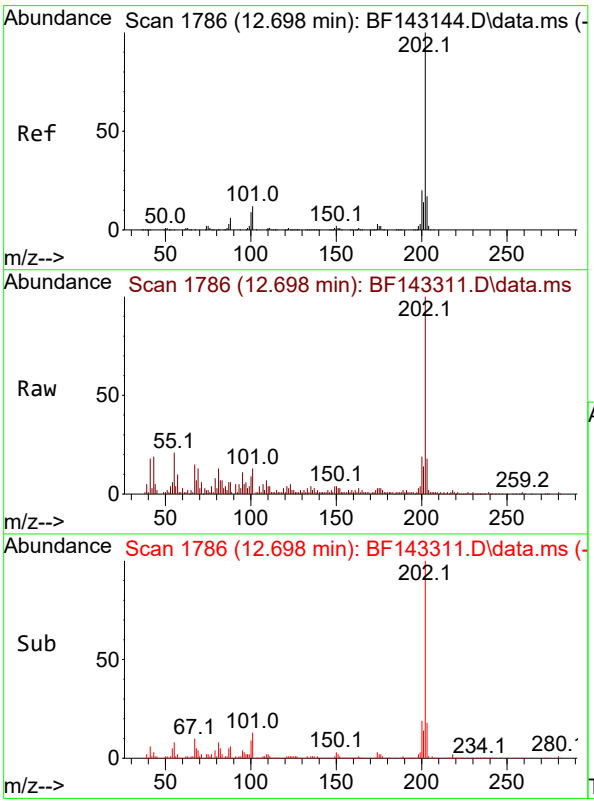
Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.9	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

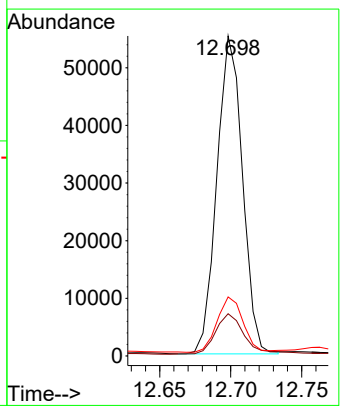


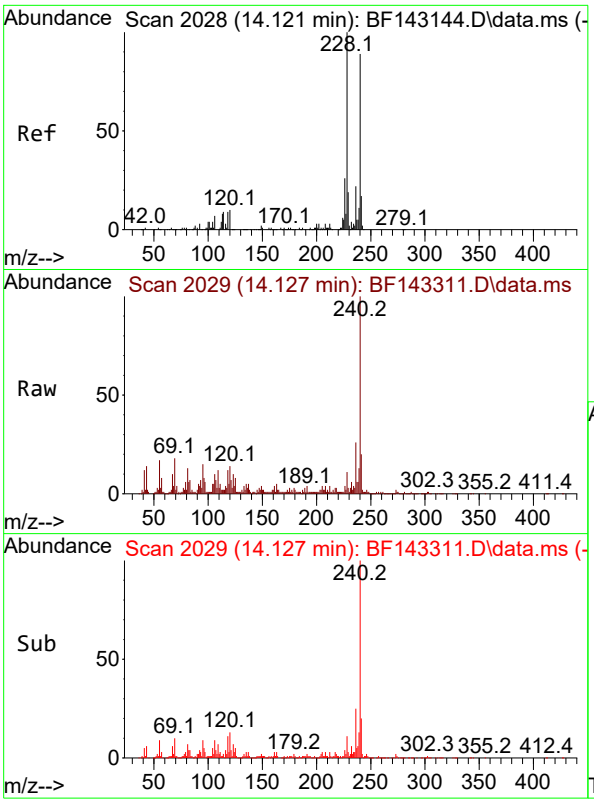


#75
Fluoranthene
Concen: 4.500 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:202 Resp: 69136

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.7
203	18.4	0.0	37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

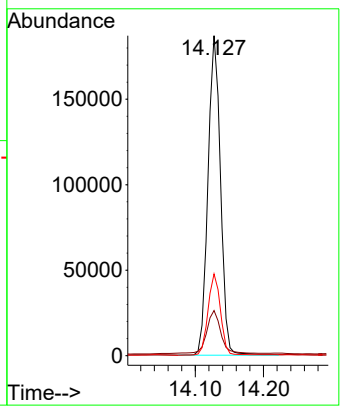
Tgt Ion:240 Resp: 23873

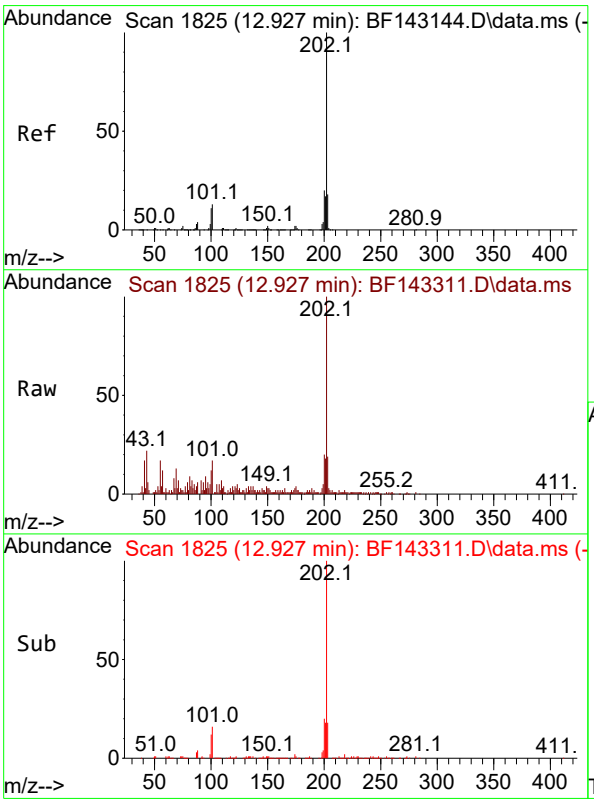
Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.4	14.2
236	25.5	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

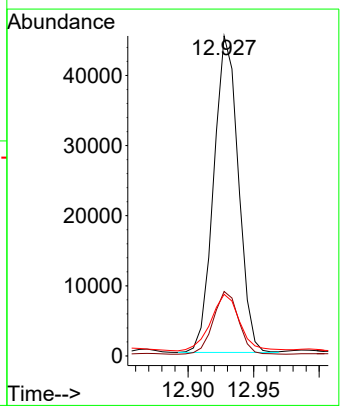


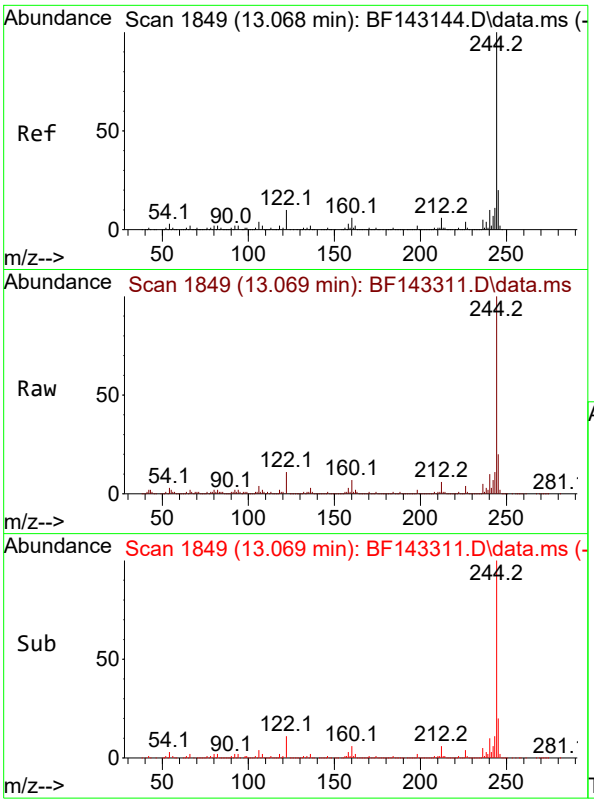


#78
Pyrene
Concen: 2.889 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:202 Resp: 58855

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.7	23.5
203	19.2	14.2	21.2





#79
Terphenyl-d14
Concen: 40.293 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

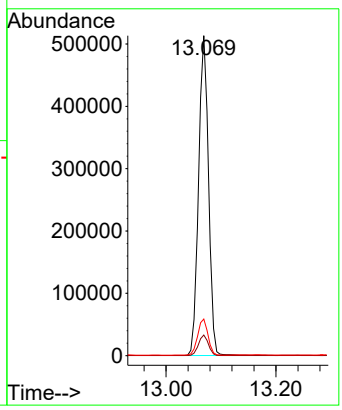
Tgt Ion:244 Resp: 64642

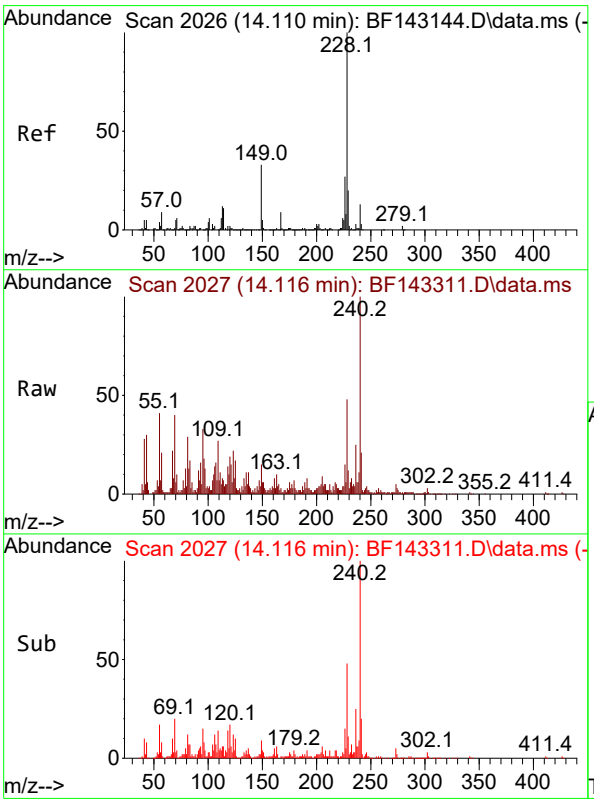
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

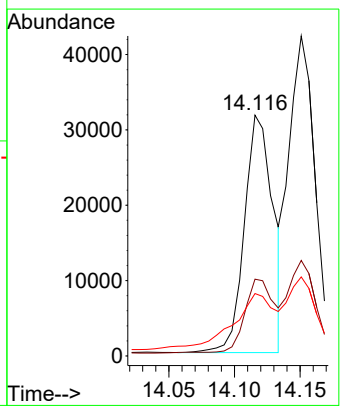


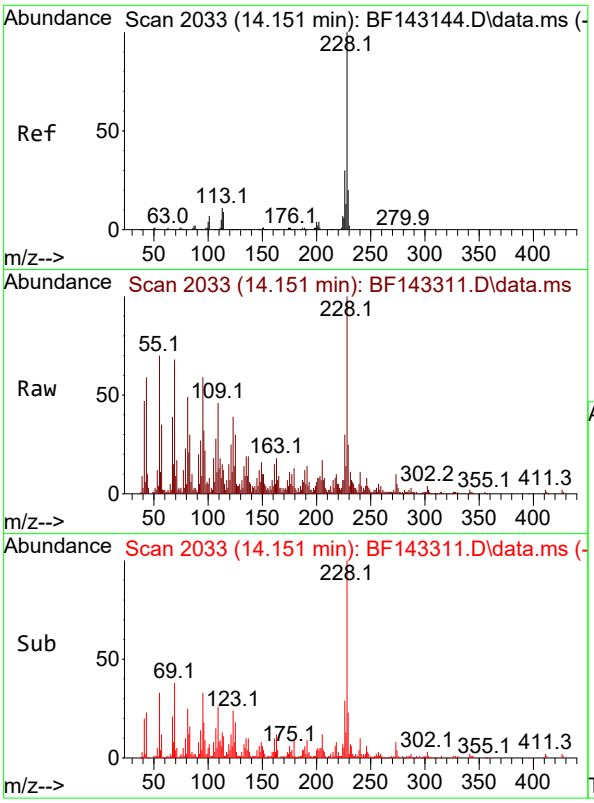


#81
Benzo(a)anthracene
Concen: 2.989 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:228 Resp: 47782

Ion	Ratio	Lower	Upper
228	100		
226	31.9	21.7	32.5
229	25.9	15.8	23.6#





#83
Chrysene
Concen: 4.020 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

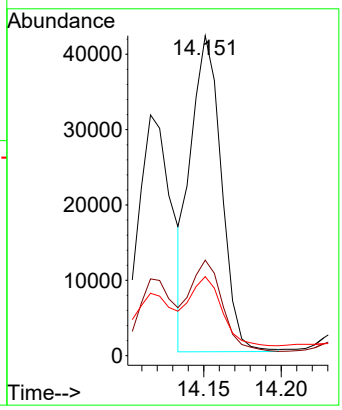
Tgt Ion:228 Resp: 5777

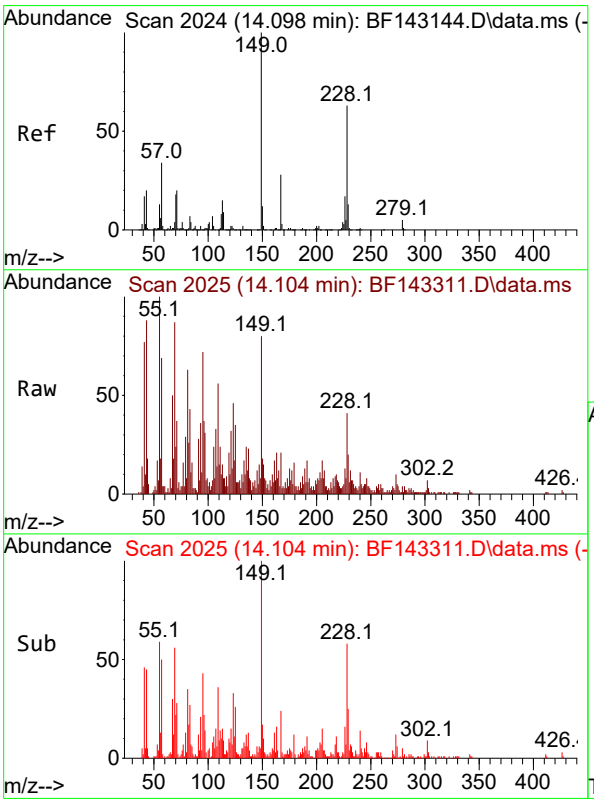
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	24.7	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

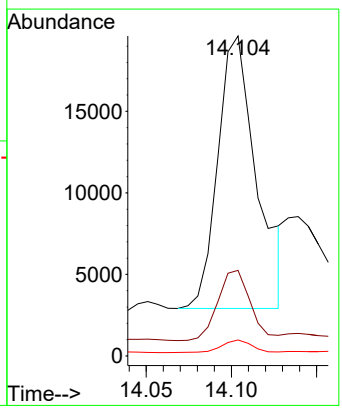


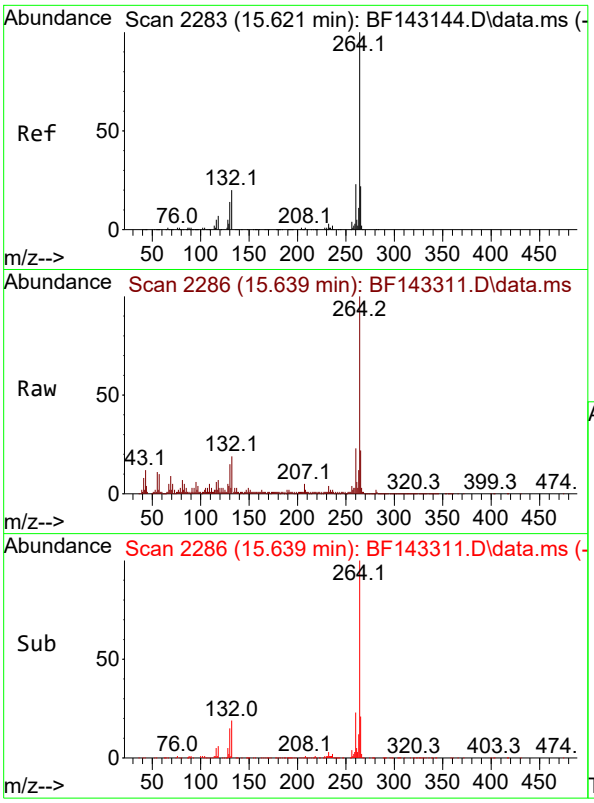


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.791 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:149 Resp: 26361

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.3	33.5
279	5.0	3.6	5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

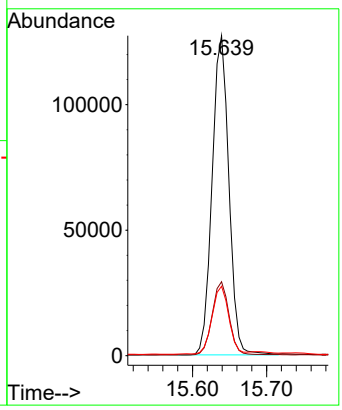
Tgt Ion:264 Resp: 20002

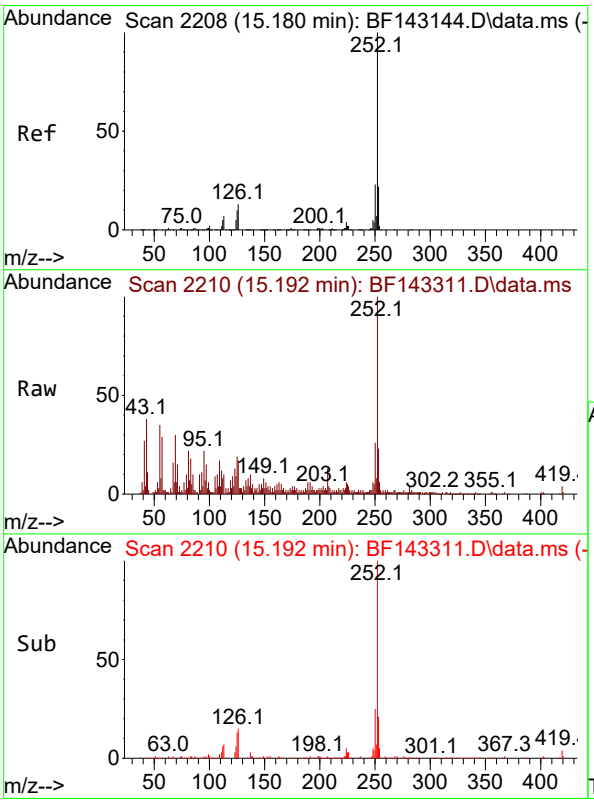
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.7	17.4	26.2

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

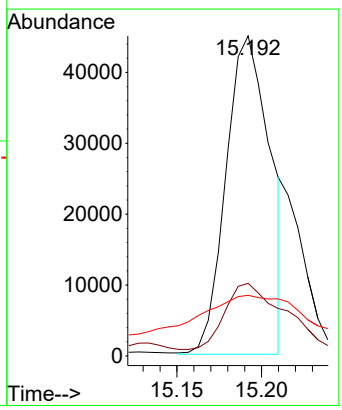


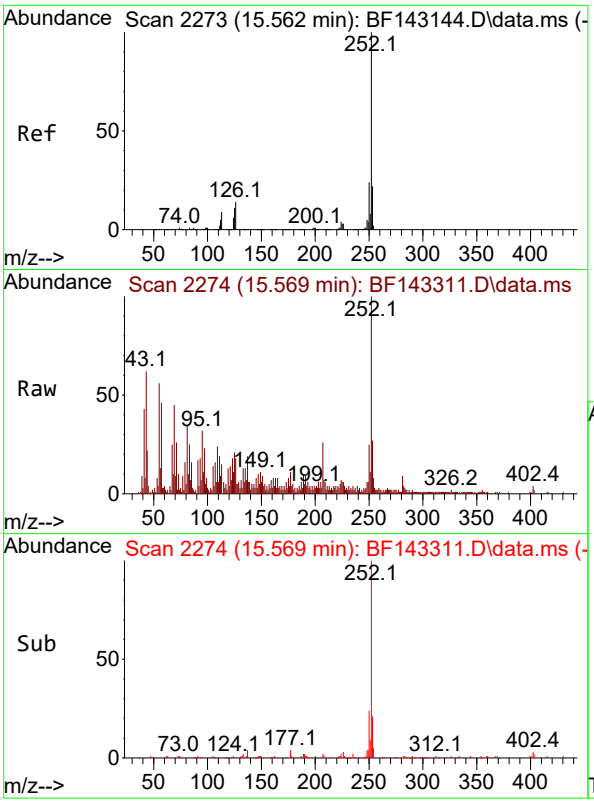


#88
Benzo(b)fluoranthene
Concen: 6.636 ng m
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:252 Resp: 81090

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	18.9	8.0	12.0#





#90
Benzo(a)pyrene
Concen: 3.231 ng
RT: 15.569 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

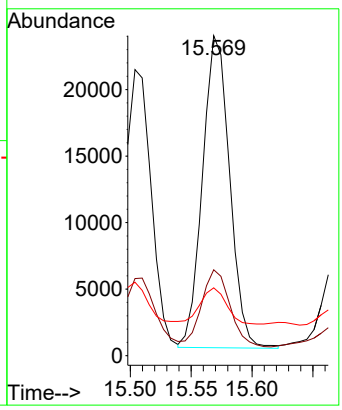
Tgt Ion:252 Resp: 3638

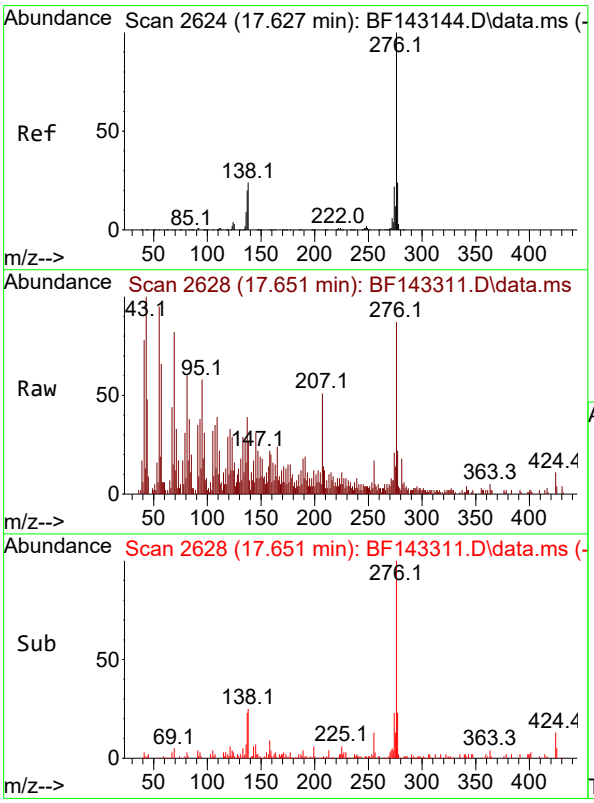
Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.3	25.9#
125	21.2	8.6	13.0#

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

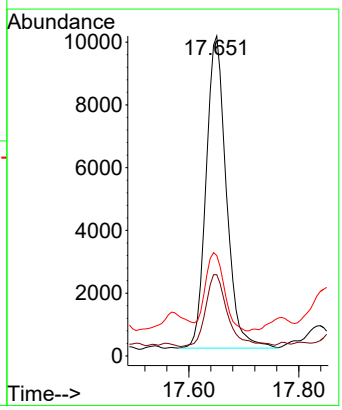




#92
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.024 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:276 Resp: 25346

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.1	28.7
138	31.4	18.9	28.3#



Sample Results: **BF143311.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143311.D
Acq On : 05 Aug 2025 13:01
Operator : RC/JU
Sample : Q2747-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

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: BF143311.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.287	9	16	28	rVB	751718	1206492	38.36%	3.081%
2	5.193	502	510	518	rBV	190642	275487	8.76%	0.703%
3	5.375	537	541	552	rBV	19043	31773	1.01%	0.081%
4	5.593	572	578	596	rBV	1653057	2232348	70.97%	5.700%
5	6.587	737	747	759	rBV	1690067	2302718	73.21%	5.880%
6	6.963	806	811	816	rBV	642433	790781	25.14%	2.019%
7	7.516	899	905	910	rBV	1159690	1496849	47.59%	3.822%
8	8.240	1023	1028	1037	rBV	774276	999362	31.77%	2.552%
9	9.316	1205	1211	1220	rBV	1895781	2409683	76.61%	6.153%
10	9.663	1266	1270	1277	rBV3	18415	32214	1.02%	0.082%
11	9.998	1321	1327	1339	rBV	787997	1027567	32.67%	2.624%
12	10.122	1344	1348	1352	rBV3	19915	31558	1.00%	0.081%
13	10.704	1443	1447	1455	rBV	166767	217993	6.93%	0.557%
14	10.786	1456	1461	1477	rVB	873169	1165148	37.04%	2.975%
15	10.910	1478	1482	1488	rBV6	19927	32761	1.04%	0.084%
16	11.028	1498	1502	1510	rVB3	37927	60972	1.94%	0.156%
17	11.145	1518	1522	1526	rBV3	34301	47538	1.51%	0.121%
18	11.428	1566	1570	1573	rBV	82831	108402	3.45%	0.277%
19	11.486	1574	1580	1586	rVV	615435	862109	27.41%	2.201%
20	11.533	1586	1588	1592	rVB	62450	70955	2.26%	0.181%
21	11.851	1639	1642	1651	rVB4	78801	131320	4.17%	0.335%
22	11.939	1653	1657	1659	rBV	57668	81648	2.60%	0.208%
23	11.975	1660	1663	1665	rVV	69335	91178	2.90%	0.233%
24	12.010	1665	1669	1682	rVB	701429	1032163	32.81%	2.635%
25	12.186	1695	1699	1708	rVB2	208734	345533	10.99%	0.882%
26	12.263	1709	1712	1715	rBV2	44677	60324	1.92%	0.154%
27	12.628	1770	1774	1782	rVB2	136273	212507	6.76%	0.543%
28	12.704	1782	1787	1798	rBV2	205148	561598	17.85%	1.434%
29	12.792	1798	1802	1810	rBV	181744	276314	8.78%	0.706%
30	13.069	1844	1849	1855	rBV	1343166	1720635	54.70%	4.393%
31	13.210	1870	1873	1876	rBV	62692	76311	2.43%	0.195%
32	13.963	1997	2001	2007	rVB2	289072	424700	13.50%	1.084%
33	14.127	2024	2029	2041	rVB2	979978	2307349	73.36%	5.891%
34	14.592	2104	2108	2114	rVB2	390055	600908	19.10%	1.534%
35	14.986	2172	2175	2183	rVB	359152	505519	16.07%	1.291%
36	15.263	2217	2222	2233	rVB	824460	1391096	44.23%	3.552%

Sample Results: **BF143311.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143311.D
Acq On : 05 Aug 2025 13:01
Operator : RC/JU
Sample : Q2747-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

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

37	15.639	2281	2286	2303	rVB	345710	679077	21.59%	1.734%
38	16.010	2345	2349	2362	rVB2	210209	434338	13.81%	1.109%
39	16.121	2363	2368	2374	rVV	579352	970504	30.85%	2.478%
40	16.410	2412	2417	2430	rVB	367361	868013	27.60%	2.216%
41	17.574	2609	2615	2624	rVB4	237541	630827	20.06%	1.611%
42	17.845	2652	2661	2663	rBV2	751013	1901305	60.45%	4.855%
43	18.333	2736	2744	2756	rBV	804719	3145446	100.00%	8.031%
44	18.445	2758	2763	2775	rVB6	660788	2032432	64.62%	5.189%
45	18.709	2798	2808	2812	rBV2	694510	2266930	72.07%	5.788%
46	18.862	2828	2834	2841	rBV2	418672	1014194	32.24%	2.590%

Sum of corrected areas: 39164879

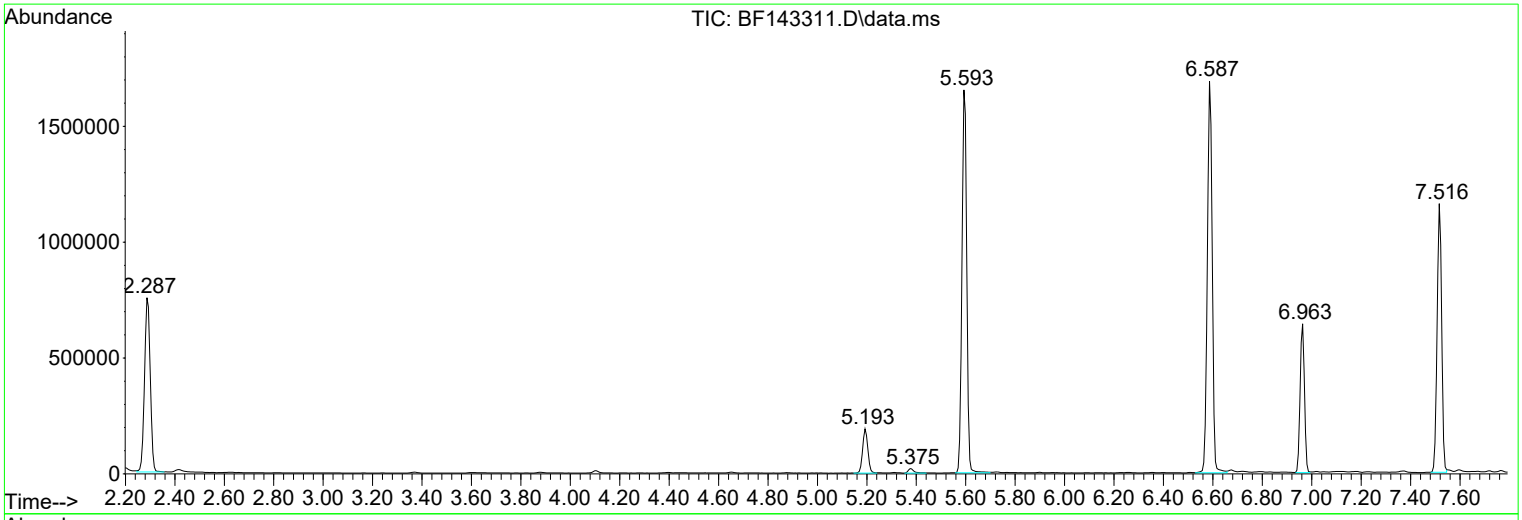
Sample Results: **BF143311.D**

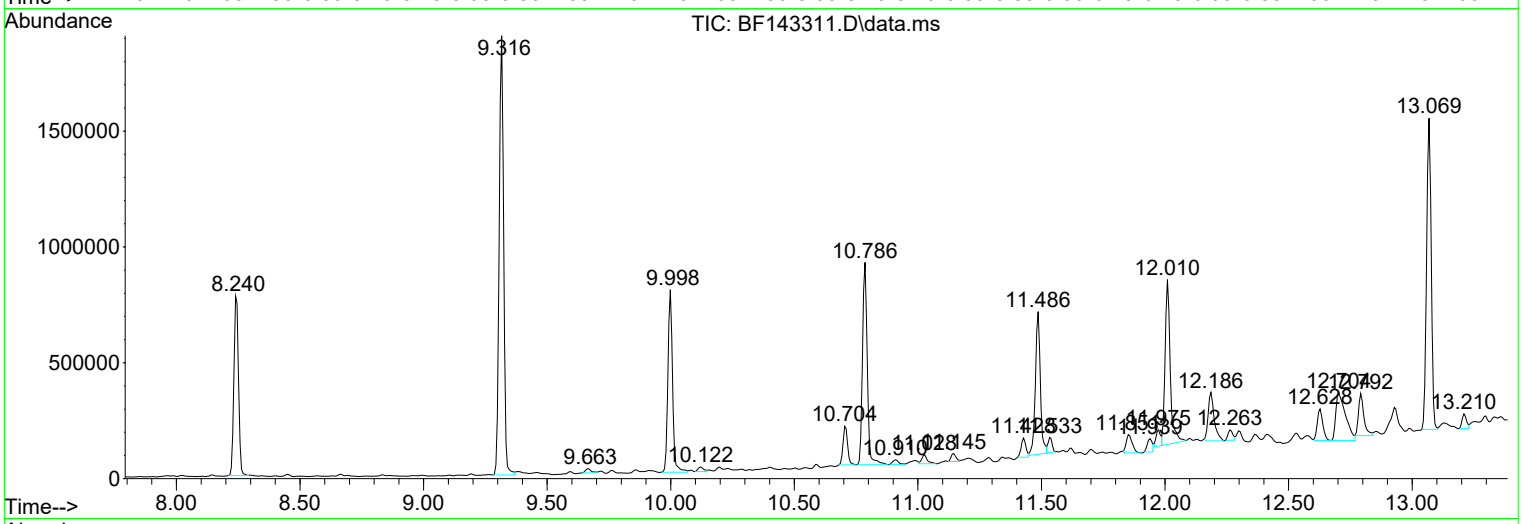
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143311.D
Acq On : 05 Aug 2025 13:01
Operator : RC/JU
Sample : Q2747-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

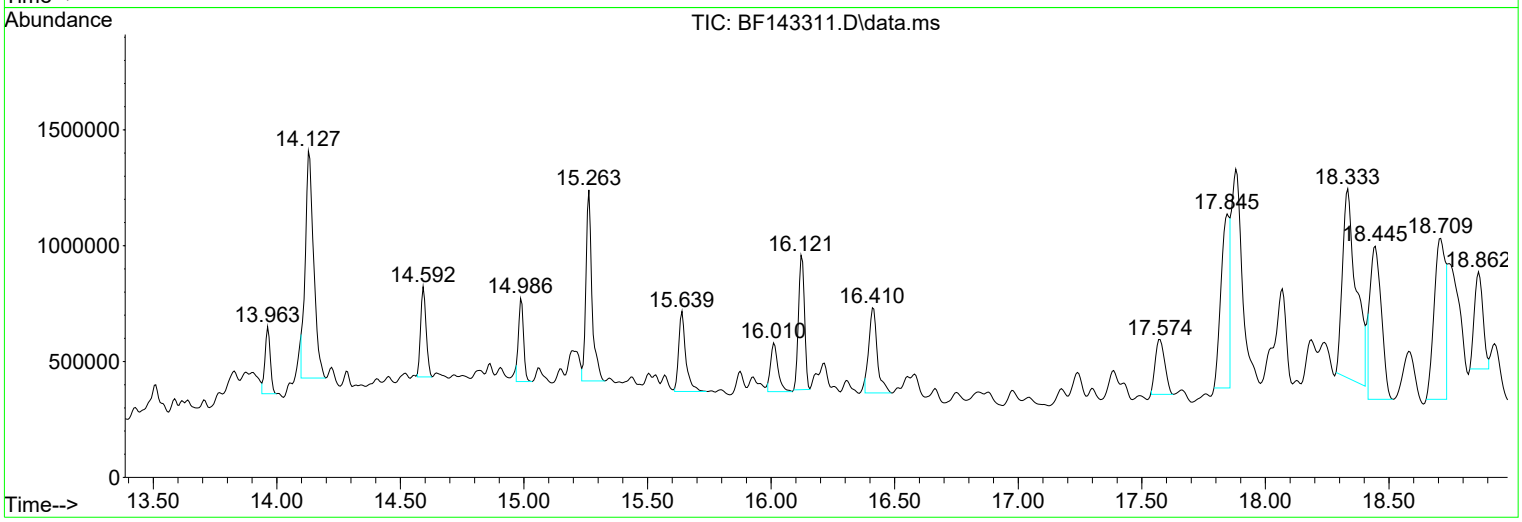
Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

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\BF080525\
Data File : BF143311.D
Acq On    : 05 Aug 2025  13:01
Operator  : RC/JU
Sample    : Q2747-07
Misc      :
ALS Vial  : 8   Sample Multiplier: 1

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
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

No Library Search Compounds Detected
****

```
  Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
  Data File : BF143311.D
  Acq On    : 05 Aug 2025  13:01
  Operator  : RC/JU
  Sample    : Q2747-07
  Misc      :
  ALS Vial  : 8   Sample Multiplier: 1

  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|
-------------------------------------------------------------------------------
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	63.7
Sample Wt/Vol:	30.09 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
BF143312.D	1	08/04/25 09:20	08/05/25 13:30	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.20	U	0.036	0.20	0.27	mg/Kg
91-57-6	2-Methylnaphthalene	0.20	U	0.040	0.20	0.27	mg/Kg
208-96-8	Acenaphthylene	0.20	U	0.045	0.20	0.27	mg/Kg
83-32-9	Acenaphthene	0.20	U	0.033	0.20	0.27	mg/Kg
86-73-7	Fluorene	0.20	U	0.040	0.20	0.27	mg/Kg
85-01-8	Phenanthrene	0.20	U	0.033	0.20	0.27	mg/Kg
120-12-7	Anthracene	0.20	U	0.052	0.20	0.27	mg/Kg
206-44-0	Fluoranthene	0.28		0.047	0.20	0.27	mg/Kg
129-00-0	Pyrene	0.18	J	0.056	0.20	0.27	mg/Kg
56-55-3	Benzo(a)anthracene	0.16	J	0.036	0.20	0.27	mg/Kg
218-01-9	Chrysene	0.22	J	0.031	0.20	0.27	mg/Kg
205-99-2	Benzo(b)fluoranthene	0.36		0.030	0.20	0.27	mg/Kg
207-08-9	Benzo(k)fluoranthene	0.12	J	0.035	0.20	0.27	mg/Kg
50-32-8	Benzo(a)pyrene	0.20	J	0.046	0.20	0.27	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.11	J	0.046	0.20	0.27	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.20	U	0.043	0.20	0.27	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.14	J	0.040	0.20	0.27	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	55.5		37 - 122		56%	SPK: 100
321-60-8	2-Fluorobiphenyl	57.4		44 - 115		57%	SPK: 100
1718-51-0	Terphenyl-d14	42.2	*	54 - 127		42%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	129000	6.963				
1146-65-2	Naphthalene-d8	477000	8.245				
15067-26-2	Acenaphthene-d10	212000	9.998				
1517-22-2	Phenanthrene-d10	303000	11.486				
1719-03-5	Chrysene-d12	245000	14.127				
1520-96-3	Perylene-d12	192000	15.639				
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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	08/01/25
Client Sample ID:	OU4-TS-GRILLO-TSCP02-073125	SDG No.:	Q2747
Lab Sample ID:	Q2747-09	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	63.7
Sample Wt/Vol:	30.09 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
BF143312.D	1	08/04/25 09:20	08/05/25 13:30	PB169095

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

Sample Results: **BF143312.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Quant Time: Aug 05 13:54:13 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	129316	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	477216	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	212288	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	302538	20.000	ng		0.00
76) Chrysene-d12	14.127	240	244611	20.000	ng		0.00
86) Perylene-d12	15.639	264	192344	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.598	112	653373	79.954	ng		0.01
7) Phenol-d6	6.593	99	831785	80.868	ng		0.00
23) Nitrobenzene-d5	7.516	82	531378	55.504	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	158483	72.266	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	890280	57.355	ng		0.00
79) Terphenyl-d14	13.069	244	692861	42.151	ng		0.00
Target Compounds							Qvalue
75) Fluoranthene	12.698	202	80151	5.436	ng		97
78) Pyrene	12.927	202	70286	3.367	ng		97
81) Benzo(a)anthracene	14.116	228	50916	3.109	ng	#	91
83) Chrysene	14.151	228	61539	4.179	ng	#	93
87) Indeno(1,2,3-cd)pyrene	17.180	276	29680	2.188	ng		95
88) Benzo(b)fluoranthene	15.192	252	81628m	6.947	ng		
89) Benzo(k)fluoranthene	15.210	252	24738m	2.359	ng		
90) Benzo(a)pyrene	15.574	252	41615	3.844	ng	#	88
92) Benzo(g,h,i)perylene	17.651	276	28445	2.664	ng	#	87

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

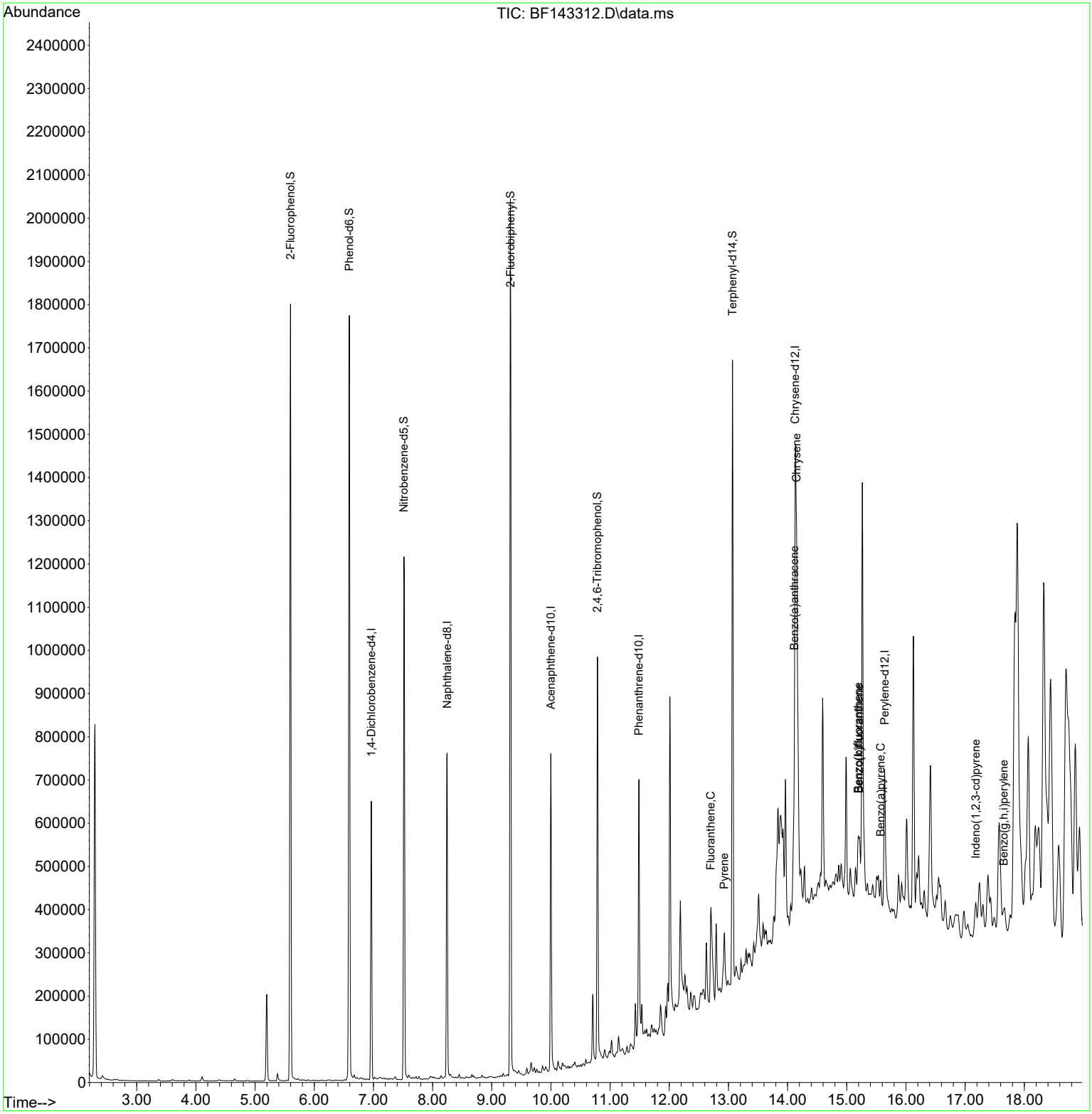
Sample Results: **BF143312.D**

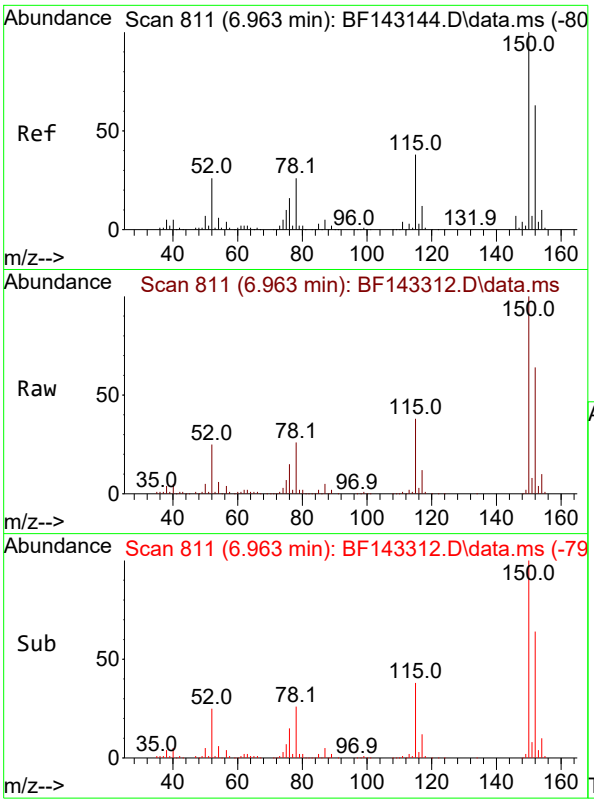
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 05 13:54:13 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 :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

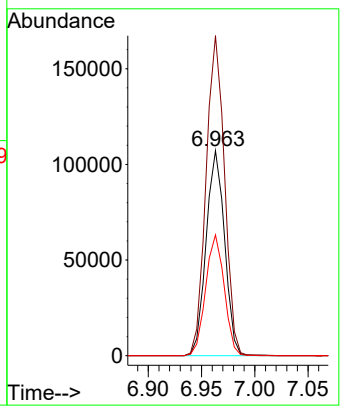
Tgt Ion:152 Resp: 12931

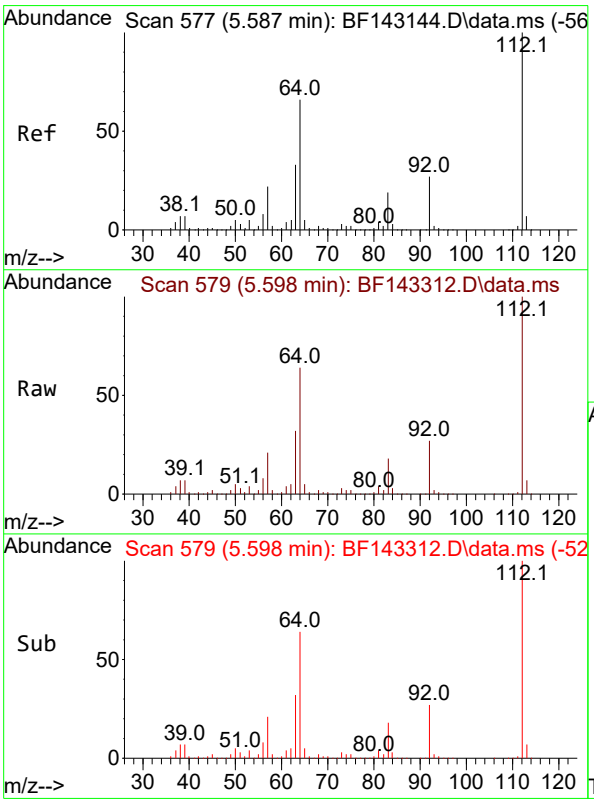
Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.2	192.4
115	58.9	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

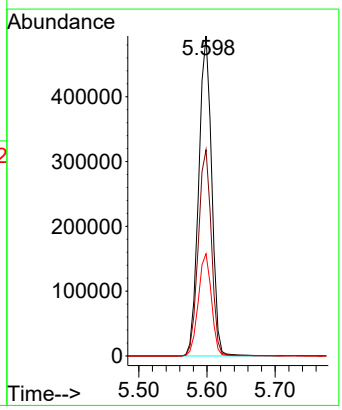


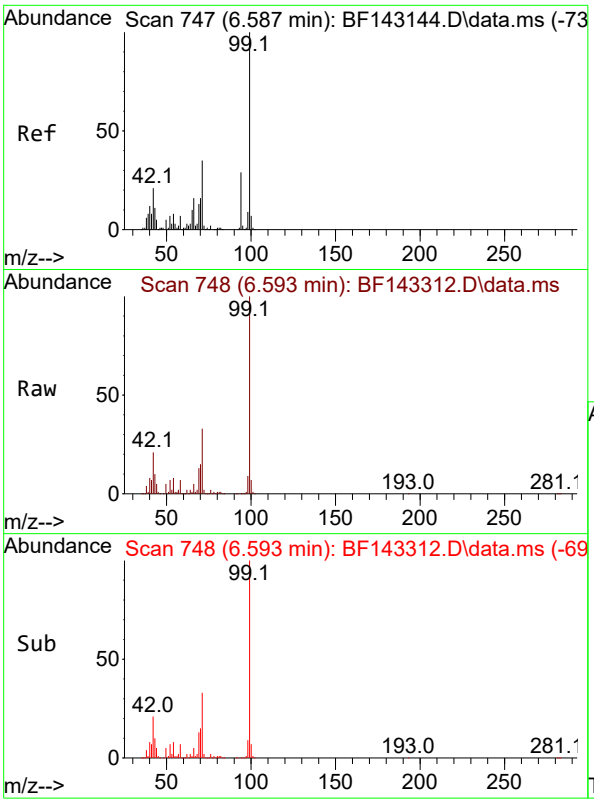


#5
2-Fluorophenol
Concen: 79.954 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:112 Resp: 653373

Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.1	79.7
63	32.0	26.6	40.0





#7
Phenol-d6
Concen: 80.868 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

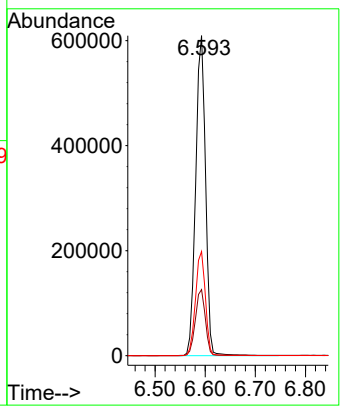
Tgt Ion: 99 Resp: 83178

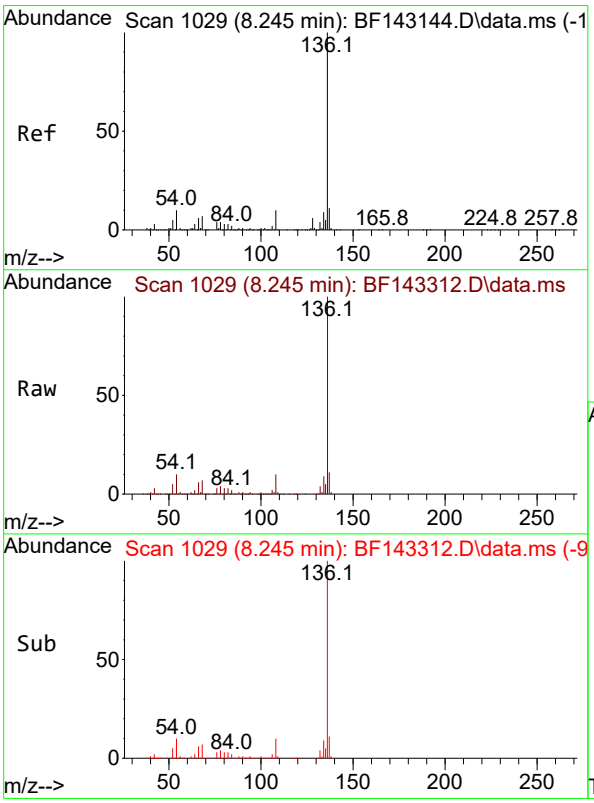
Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	32.6	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

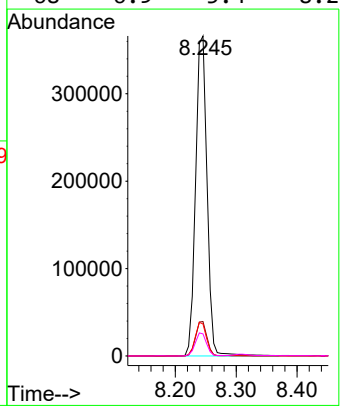


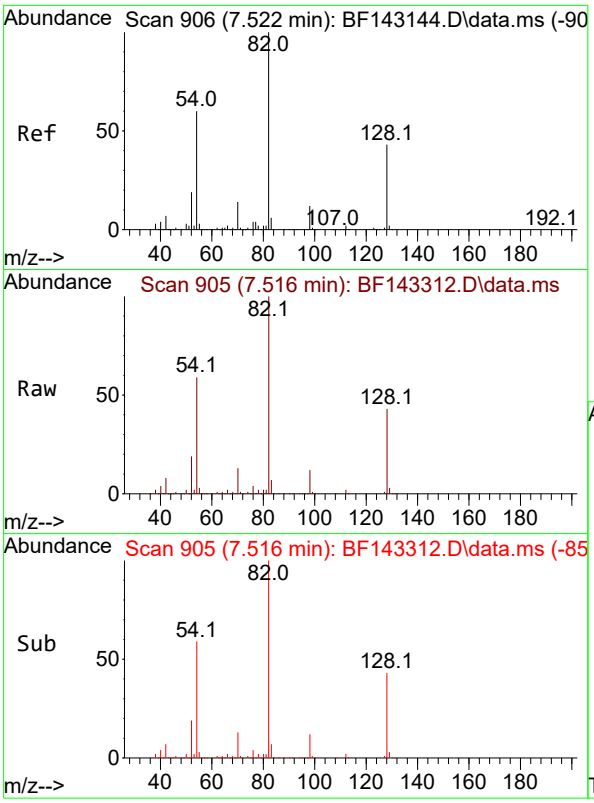


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:136 Resp: 477216

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.0	8.2	12.2
68	6.9	5.4	8.2





#23
Nitrobenzene-d5
Concen: 55.504 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

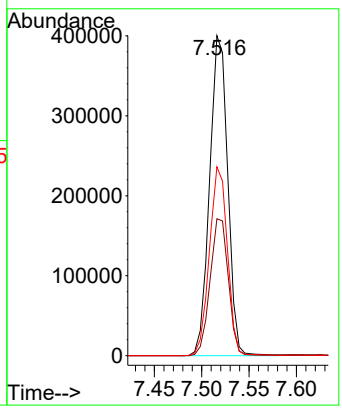
Tgt Ion: 82 Resp: 53137

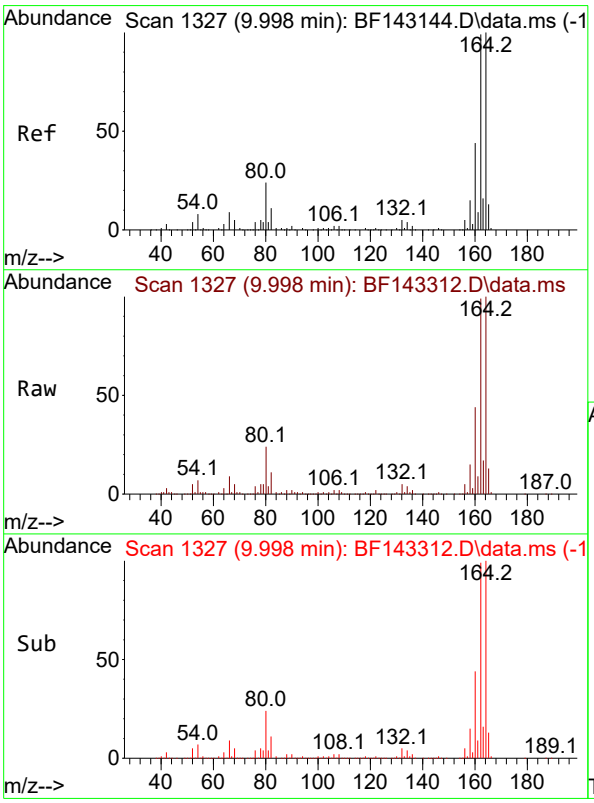
Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.6	50.4
54	59.0	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

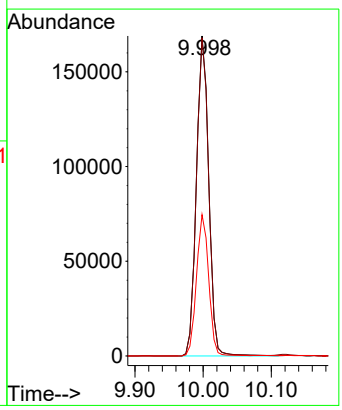


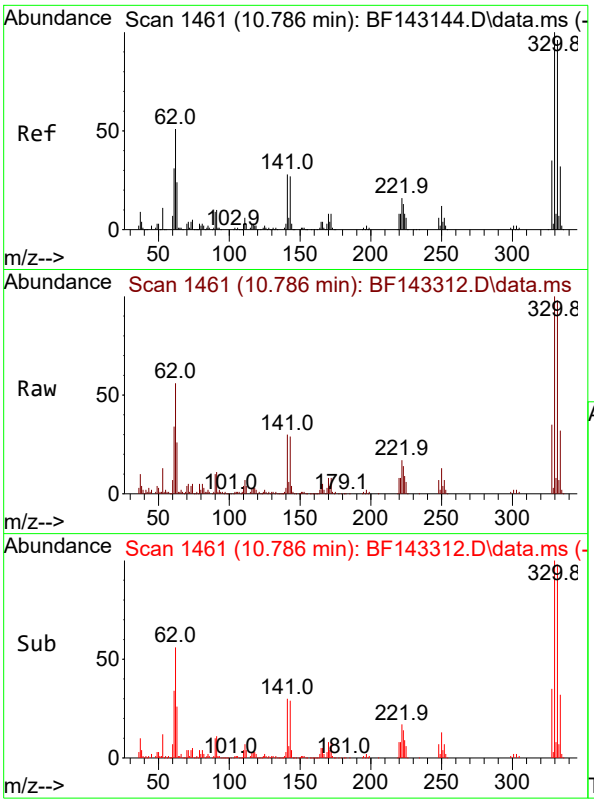


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:164 Resp: 212288

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.0	118.6
160	44.1	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 72.266 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

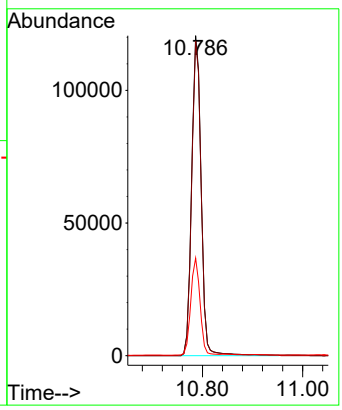
Tgt Ion:330 Resp: 15848

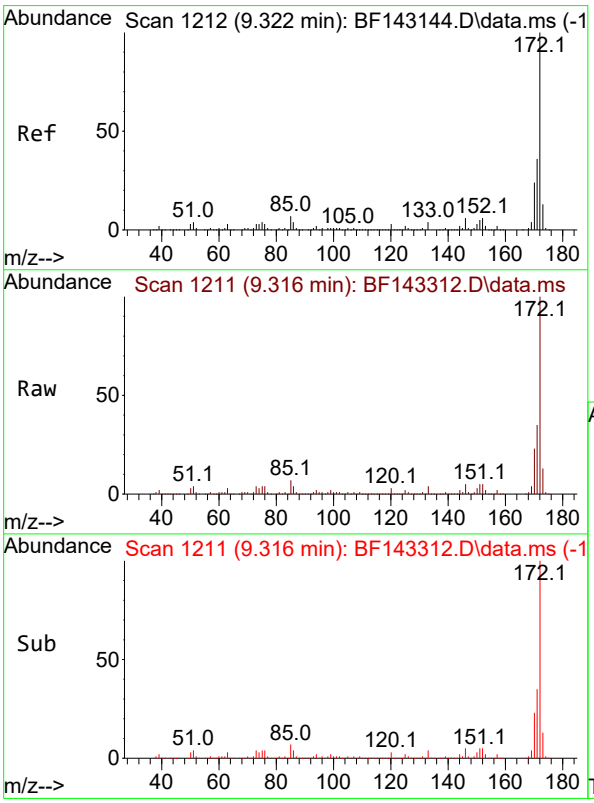
Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.7	115.1
141	29.7	23.3	34.9

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

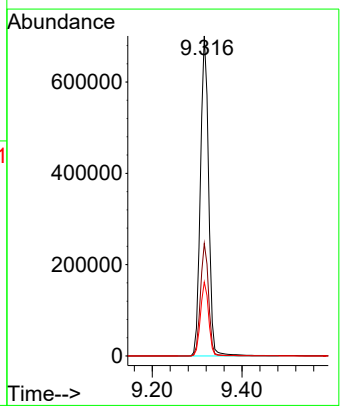


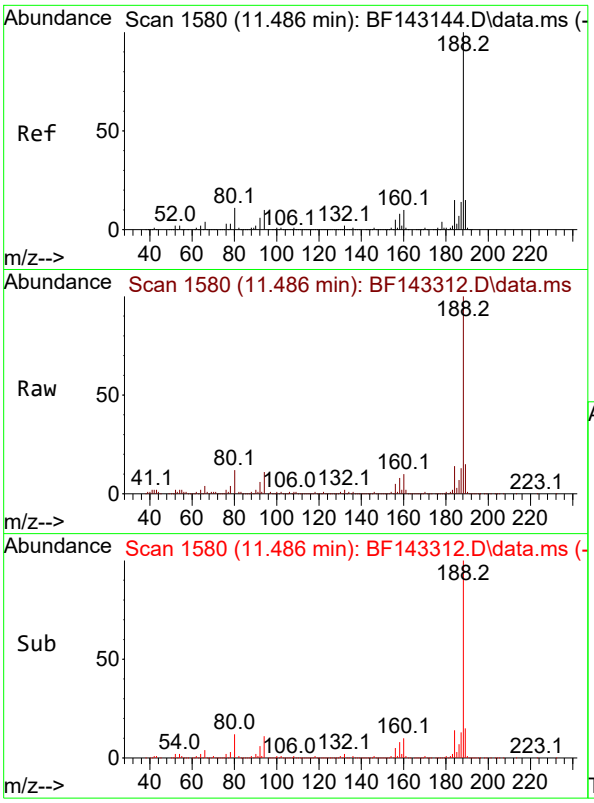


#45
2-Fluorobiphenyl
Concen: 57.355 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:172 Resp: 890280

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.1	18.8	28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

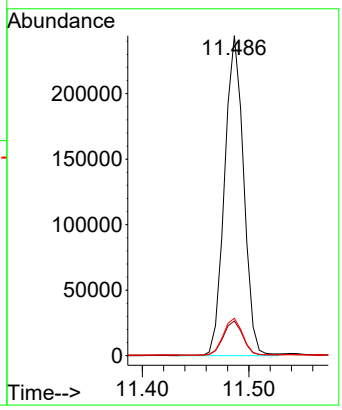
Tgt Ion:188 Resp: 30253

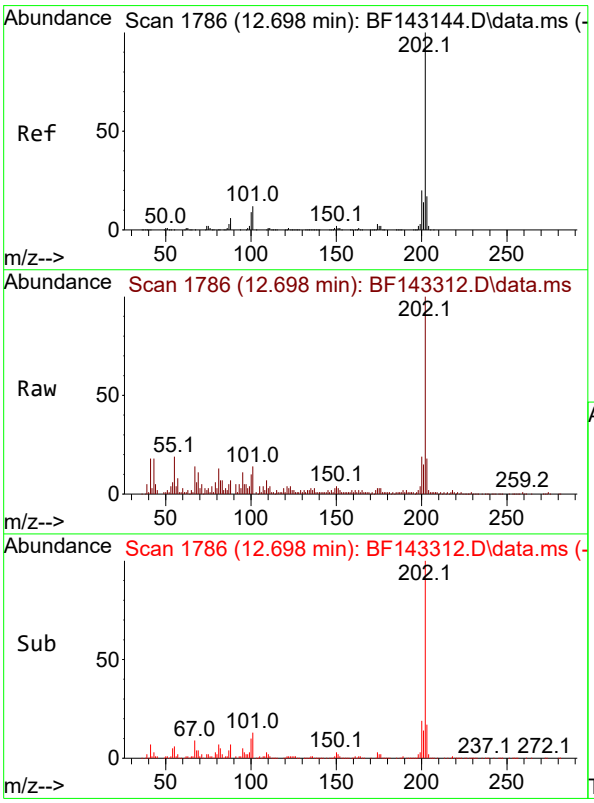
Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.3	12.5
80	11.7	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

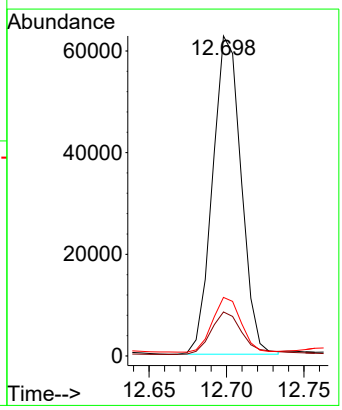


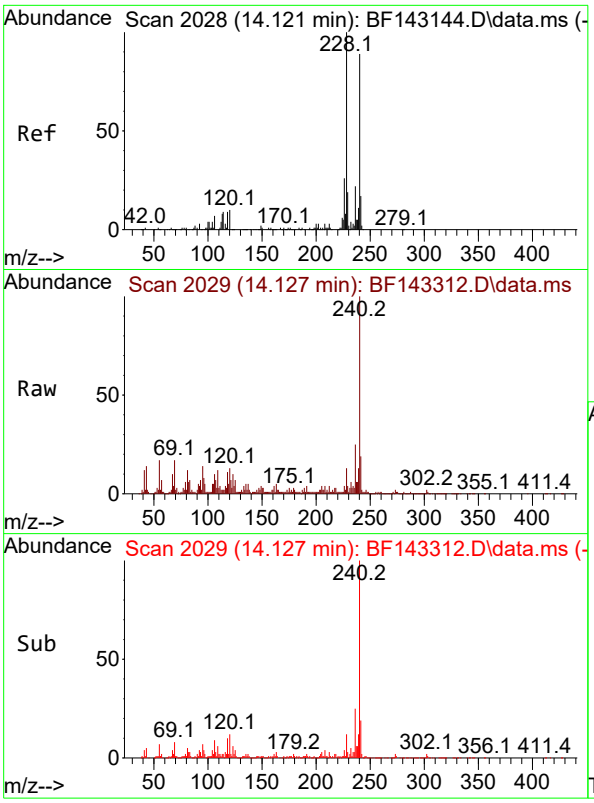


#75
Fluoranthene
Concen: 5.436 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:202 Resp: 80151

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.7
203	18.3	0.0	37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

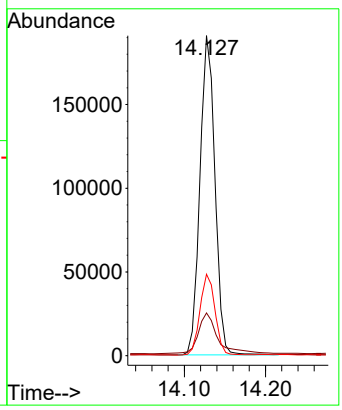
Tgt Ion:240 Resp: 24461

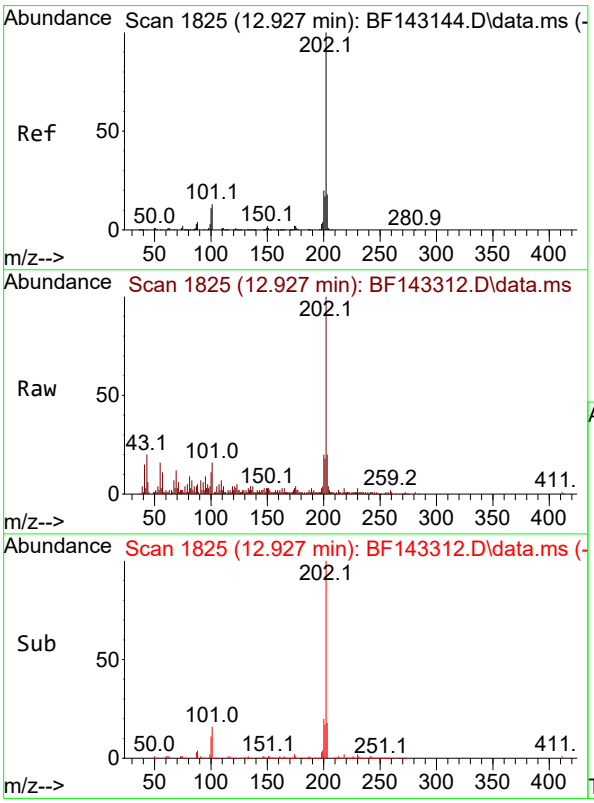
Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.4	14.2
236	25.5	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

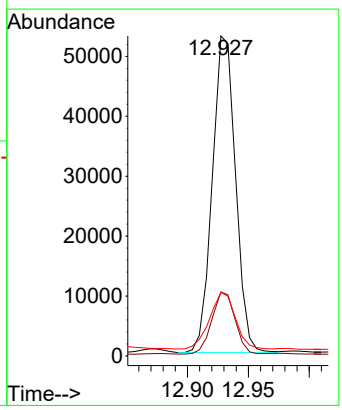


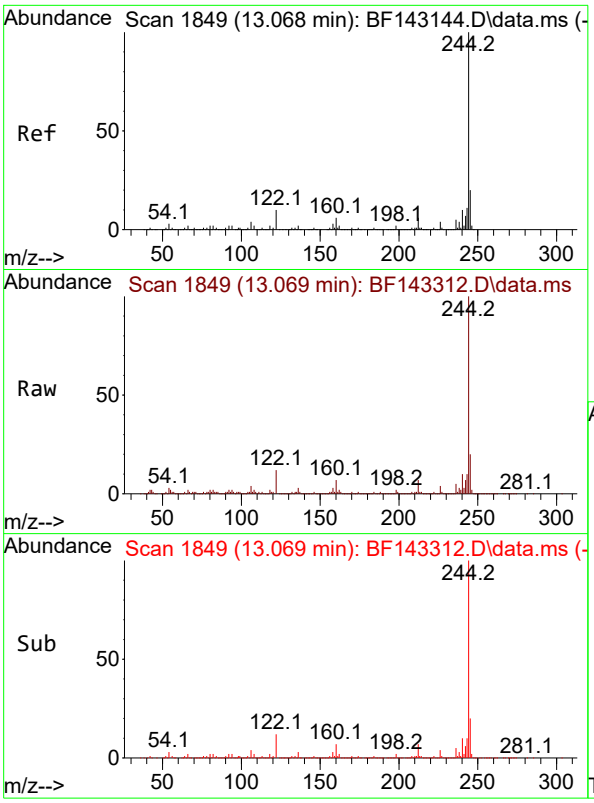


#78
Pyrene
Concen: 3.367 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:202 Resp: 70286

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	19.9	14.2	21.2





#79
Terphenyl-d14
Concen: 42.151 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

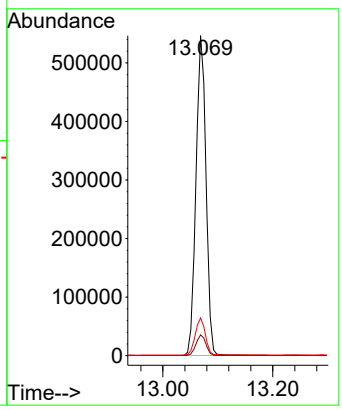
Tgt Ion:244 Resp: 69286

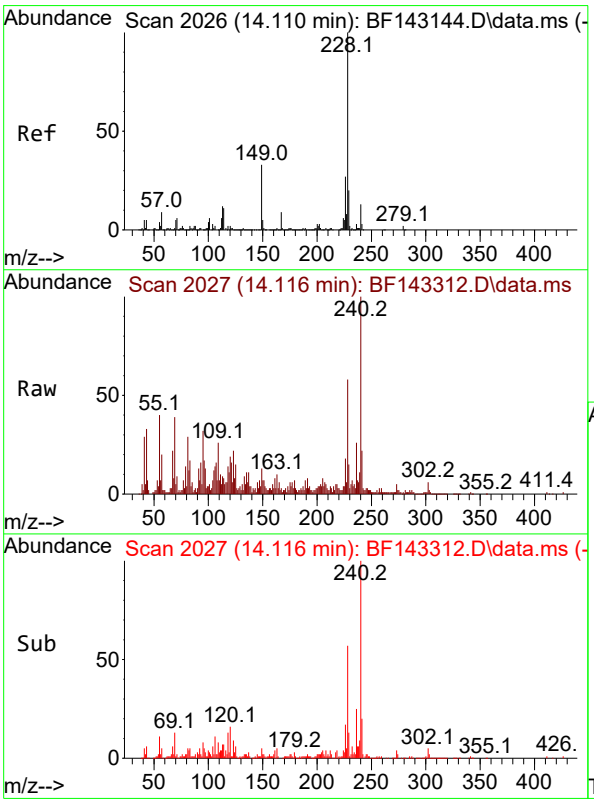
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.8	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

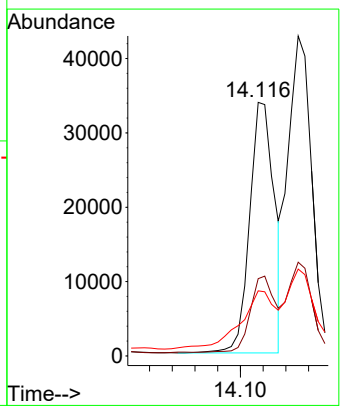


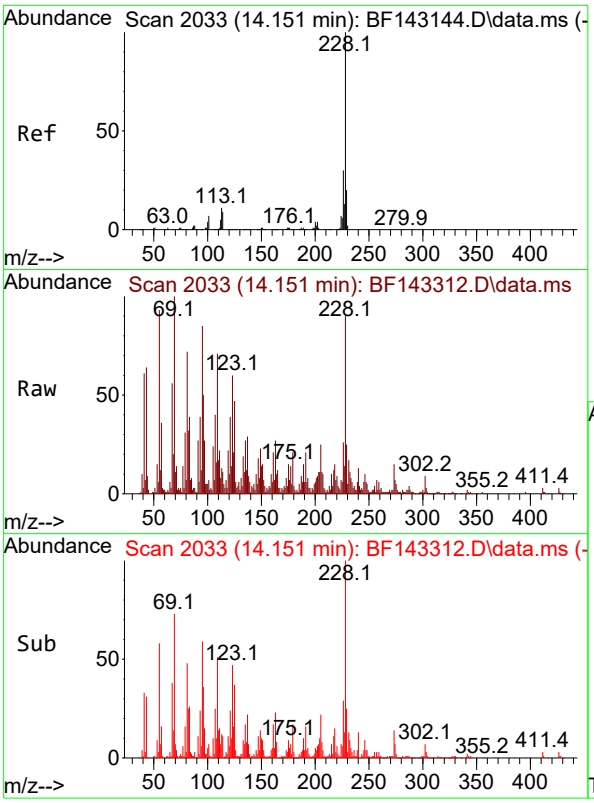


#81
Benzo(a)anthracene
Concen: 3.109 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:228 Resp: 50916

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.7	32.5
229	25.7	15.8	23.6#





#83
Chrysene
Concen: 4.179 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

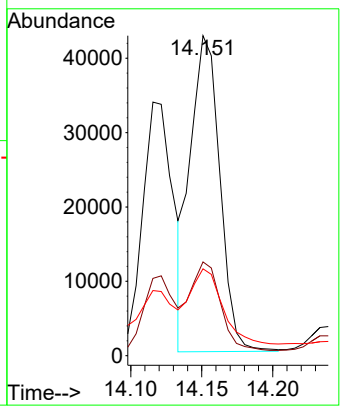
Tgt Ion:228 Resp: 6153

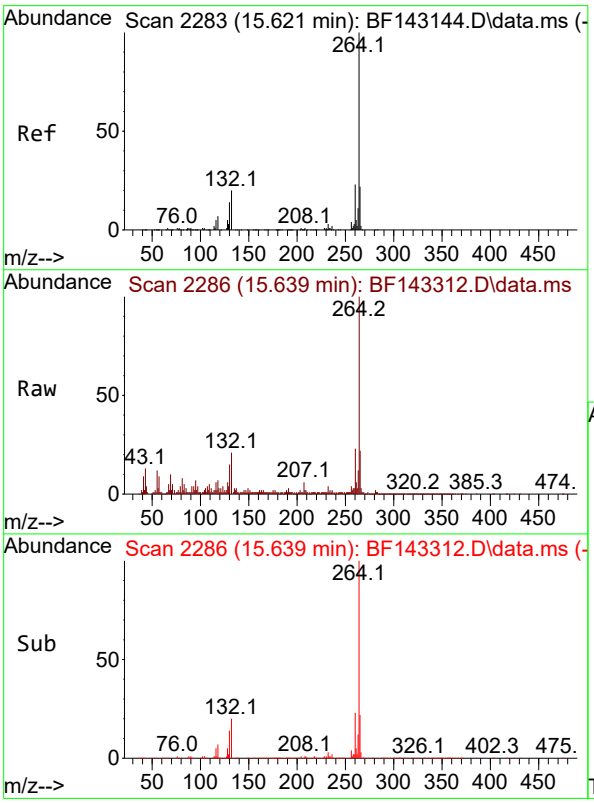
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	27.2	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

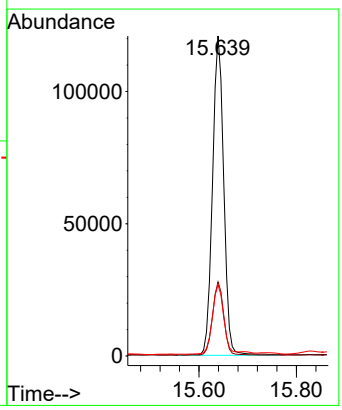


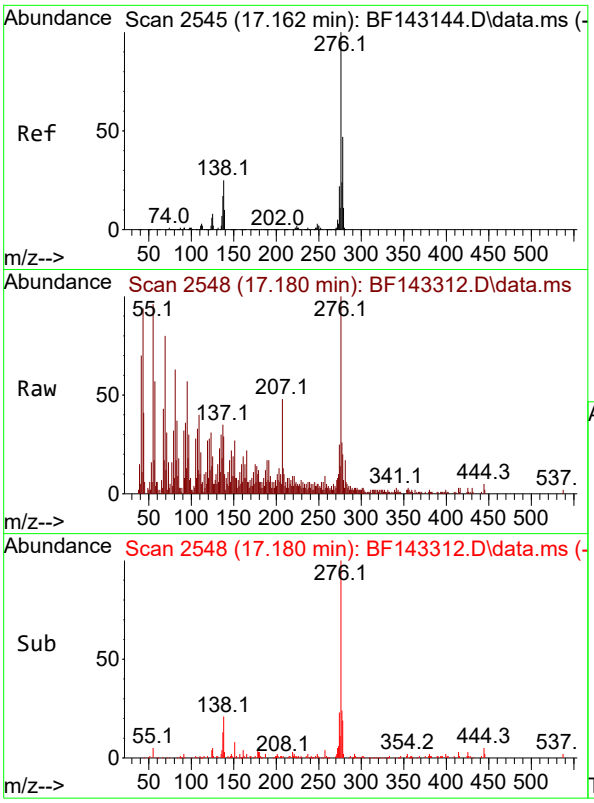


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.018 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:264 Resp: 192344

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	22.2	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.188 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

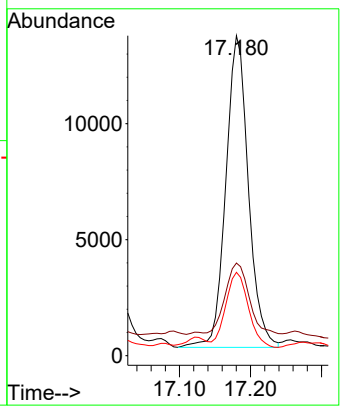
Tgt Ion:276 Resp: 2968

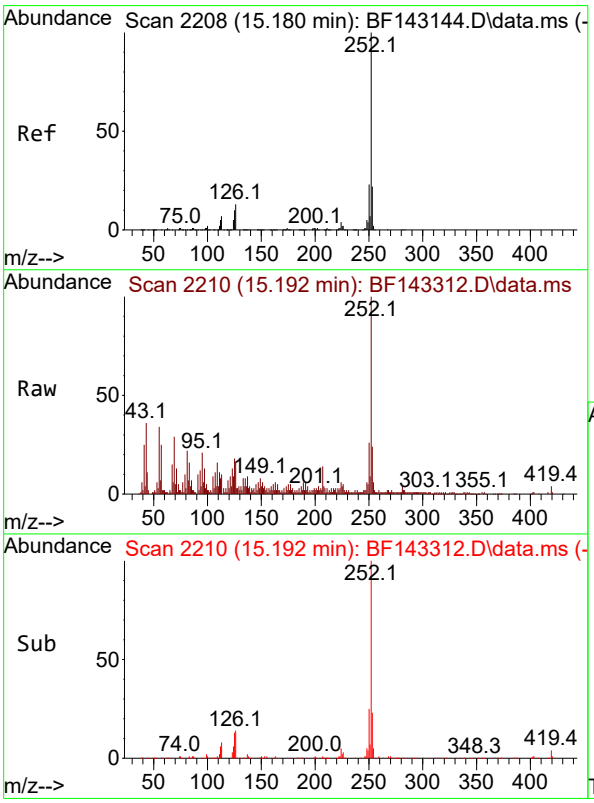
Ion	Ratio	Lower	Upper
276	100		
138	23.5	21.8	32.6
277	24.1	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

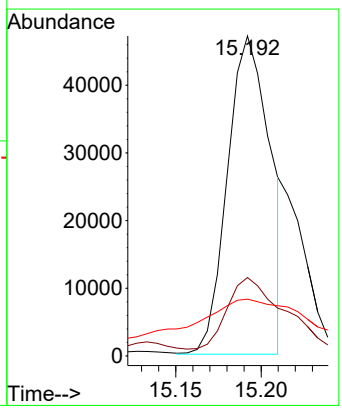


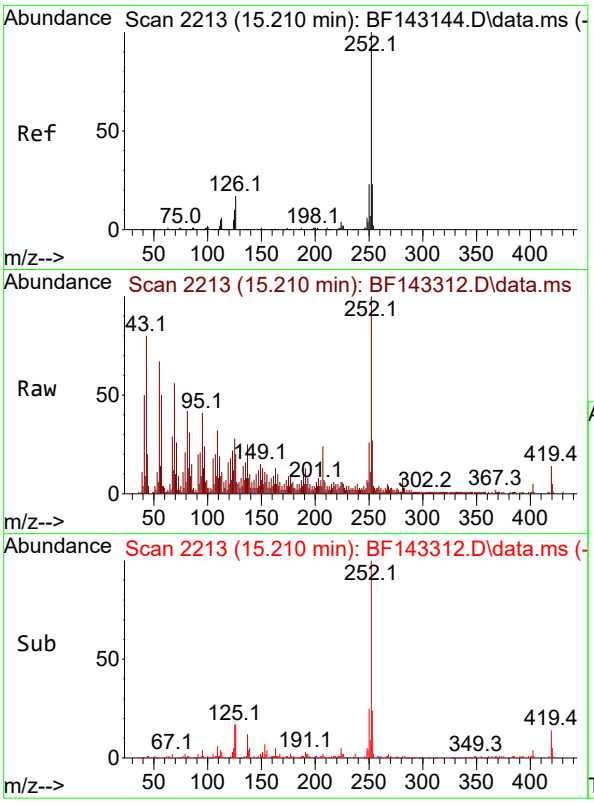


#88
Benzo(b)fluoranthene
Concen: 6.947 ng m
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:252 Resp: 81628

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	17.8	8.0	12.0#





#89
Benzo(k)fluoranthene
Concen: 2.359 ng m
RT: 15.210 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

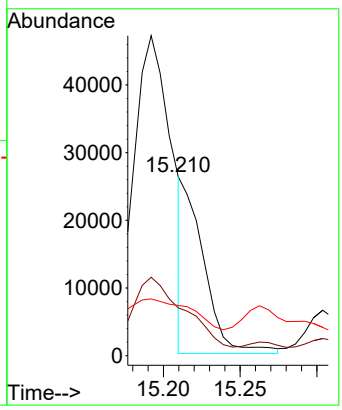
Tgt Ion:252 Resp: 2473

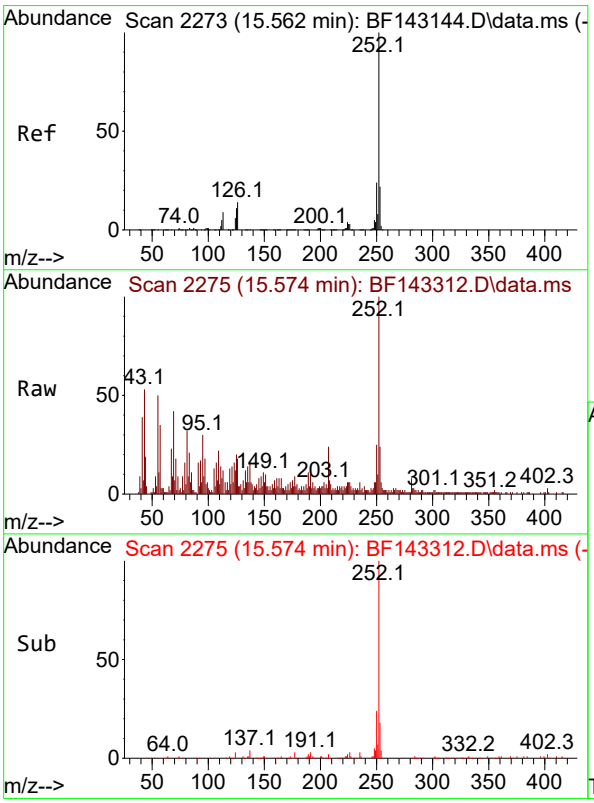
Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.8	26.6
125	28.0	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

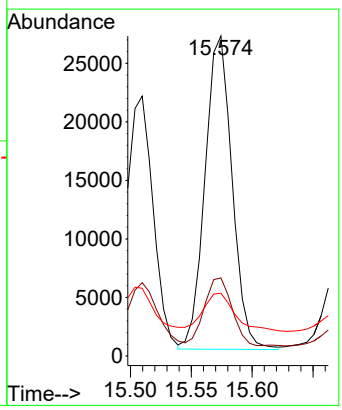


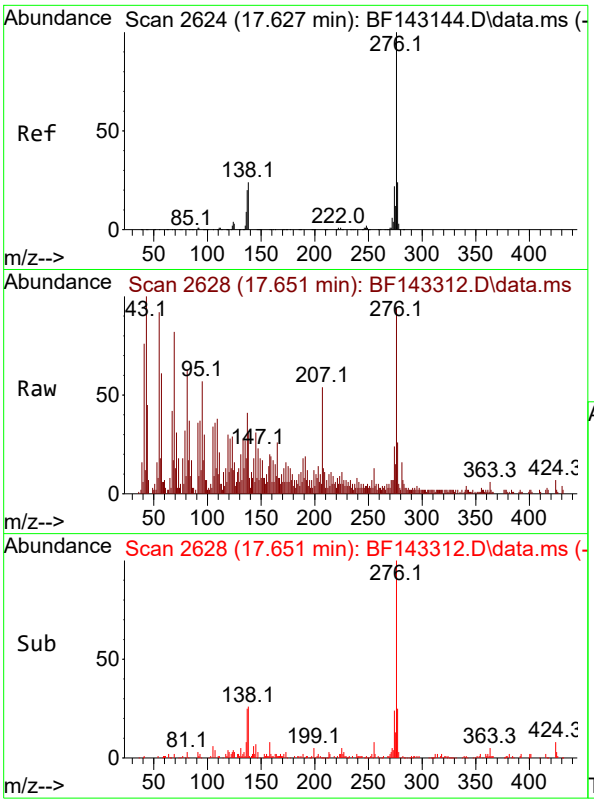


#90
Benzo(a)pyrene
Concen: 3.844 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:252 Resp: 41615

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	19.6	8.6	13.0#

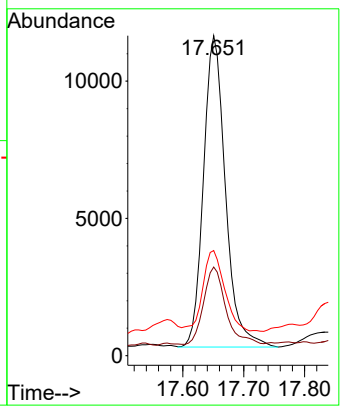




#92
Benzo(g,h,i)perylene
Concen: 2.664 ng
RT: 17.651 min Scan# 2(
Delta R.T. 0.024 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:276 Resp: 2844

Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.1	28.7
138	32.8	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Sample Results: **BF143312.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

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: BF143312.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.293	10	17	32	rVB	819380	1324739	44.05%	3.465%
2	5.199	502	511	518	rBV	200530	301247	10.02%	0.788%
3	5.598	573	579	584	rBV	1795905	2376479	79.03%	6.216%
4	6.593	738	748	753	rBV	1769906	2423572	80.59%	6.339%
5	6.963	806	811	816	rBV	644445	780742	25.96%	2.042%
6	7.516	899	905	911	rBV	1209895	1611067	53.57%	4.214%
7	8.245	1023	1029	1036	rBV	749635	976264	32.46%	2.553%
8	9.316	1205	1211	1216	rBV	2029139	2536966	84.36%	6.635%
9	9.663	1266	1270	1276	rBV3	20703	31119	1.03%	0.081%
10	9.998	1322	1327	1339	rBV	733764	950511	31.61%	2.486%
11	10.122	1344	1348	1352	rBV2	20029	32295	1.07%	0.084%
12	10.710	1443	1448	1456	rBV	150841	204417	6.80%	0.535%
13	10.786	1456	1461	1477	rVV	930813	1236418	41.12%	3.234%
14	10.910	1478	1482	1489	rVB7	18479	34219	1.14%	0.090%
15	11.022	1498	1501	1506	rVB3	33784	45411	1.51%	0.119%
16	11.145	1518	1522	1527	rBV	36609	51933	1.73%	0.136%
17	11.428	1566	1570	1574	rBV	98002	139304	4.63%	0.364%
18	11.486	1574	1580	1586	rVV	600841	842399	28.01%	2.203%
19	11.533	1586	1588	1592	rVB	68248	84108	2.80%	0.220%
20	11.851	1639	1642	1651	rVB3	70162	127020	4.22%	0.332%
21	11.939	1653	1657	1659	rBV	63756	88642	2.95%	0.232%
22	11.975	1659	1663	1665	rVV	90229	119076	3.96%	0.311%
23	12.010	1665	1669	1682	rVB	732966	1099817	36.57%	2.877%
24	12.186	1695	1699	1709	rBV3	224303	402770	13.39%	1.053%
25	12.627	1770	1774	1782	rVB	137419	214096	7.12%	0.560%
26	12.704	1782	1787	1798	rBV2	219213	552191	18.36%	1.444%
27	12.792	1798	1802	1810	rBV	173798	276348	9.19%	0.723%
28	12.933	1823	1826	1833	rVB	120050	177517	5.90%	0.464%
29	13.069	1844	1849	1855	rBV	1442048	1858180	61.79%	4.860%
30	13.963	1998	2001	2007	rVB3	319296	467221	15.54%	1.222%
31	14.133	2025	2030	2043	rVB3	997277	3007198	100.00%	7.865%
32	14.592	2104	2108	2114	rVB2	435235	679601	22.60%	1.778%
33	14.986	2172	2175	2183	rVB	317804	461040	15.33%	1.206%
34	15.263	2217	2222	2233	rVB	945395	1585940	52.74%	4.148%
35	15.639	2282	2286	2303	rVB	331498	698740	23.24%	1.828%
36	16.010	2346	2349	2358	rVB	205712	392763	13.06%	1.027%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

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

37	16.127	2363	2369	2374	rBV	628008	1078008	35.85%	2.820%
38	16.415	2413	2418	2431	rVB	328547	713681	23.73%	1.867%
39	17.574	2610	2615	2624	rVB3	213784	547623	18.21%	1.432%
40	17.845	2652	2661	2663	rBV2	674762	1731448	57.58%	4.529%
41	18.068	2694	2699	2706	rVB	377212	854580	28.42%	2.235%
42	18.327	2736	2743	2756	rBV	693825	2326703	77.37%	6.086%
43	18.709	2799	2808	2813	rBV2	575602	1985812	66.04%	5.194%
44	18.862	2828	2834	2841	rBV2	331531	804174	26.74%	2.103%

Sum of corrected areas: 38233399

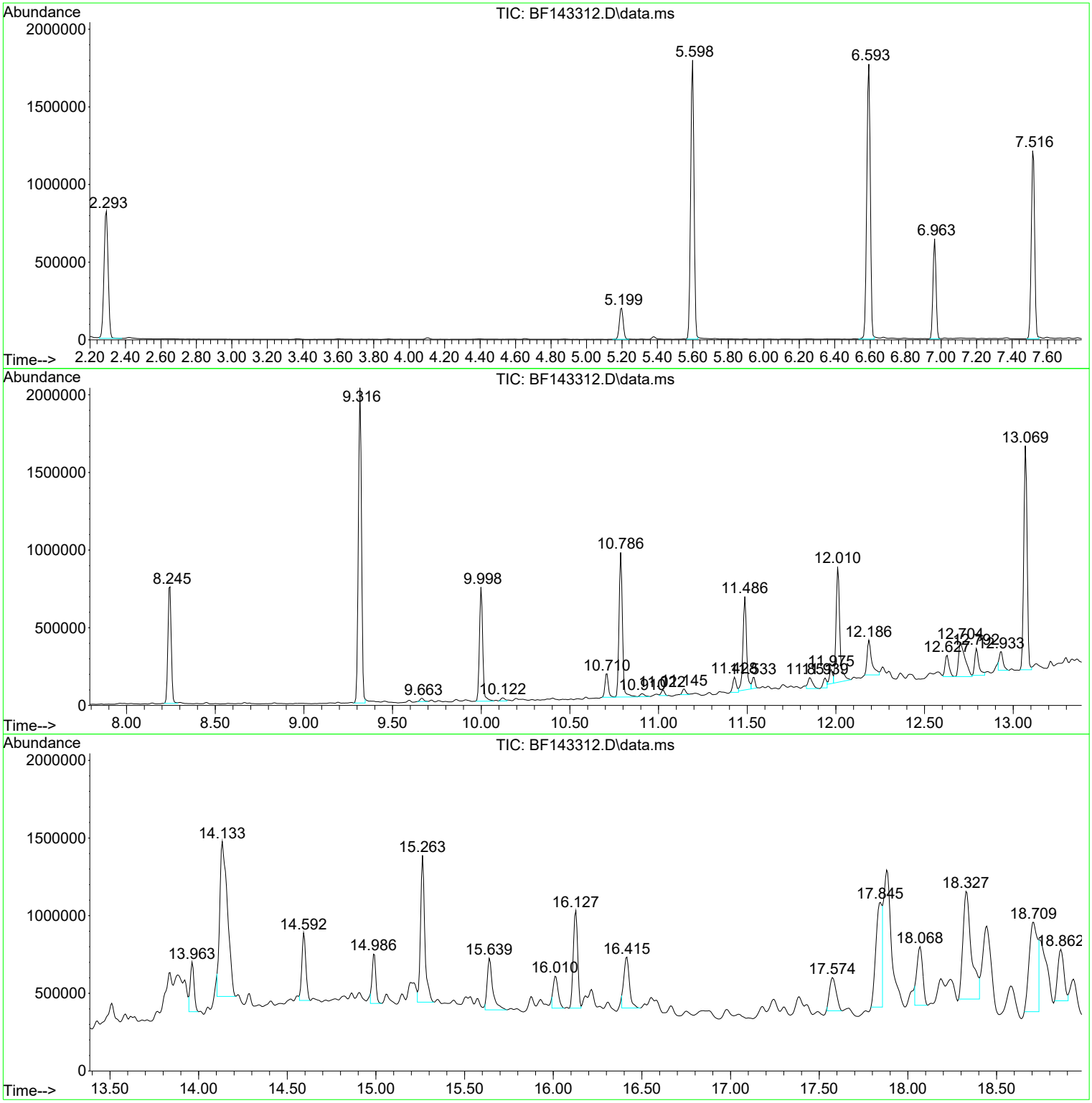
Sample Results: **BF143312.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

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\BF080525\
Data File : BF143312.D
Acq On    : 05 Aug 2025  13:30
Operator  : RC/JU
Sample    : Q2747-09
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

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
```

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

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

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

CALIBRATION SUMMARY

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

ICAL Form

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

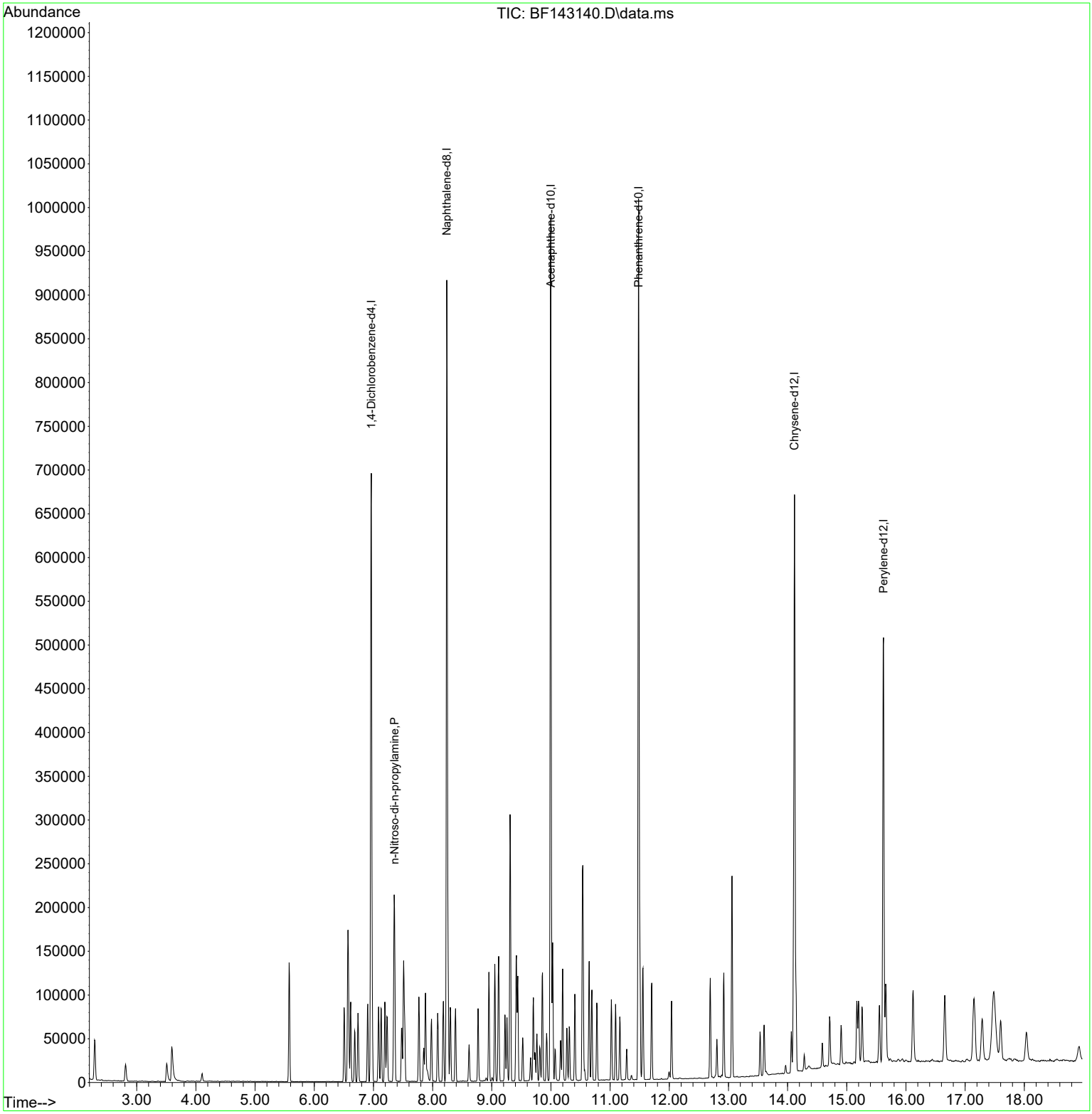
(#) = qualifier out of range (m) = manual integration (+) = signals summed

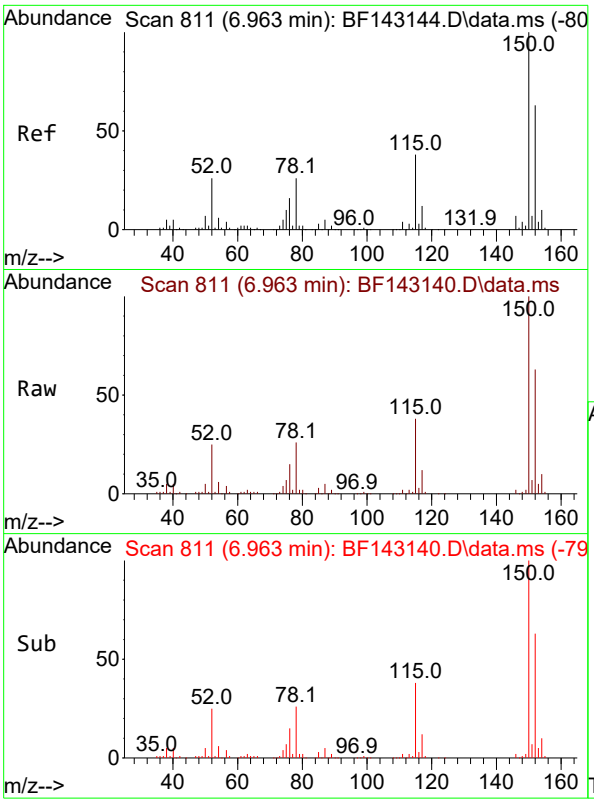
ICAL Form

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



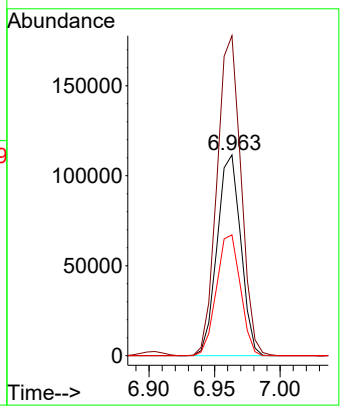


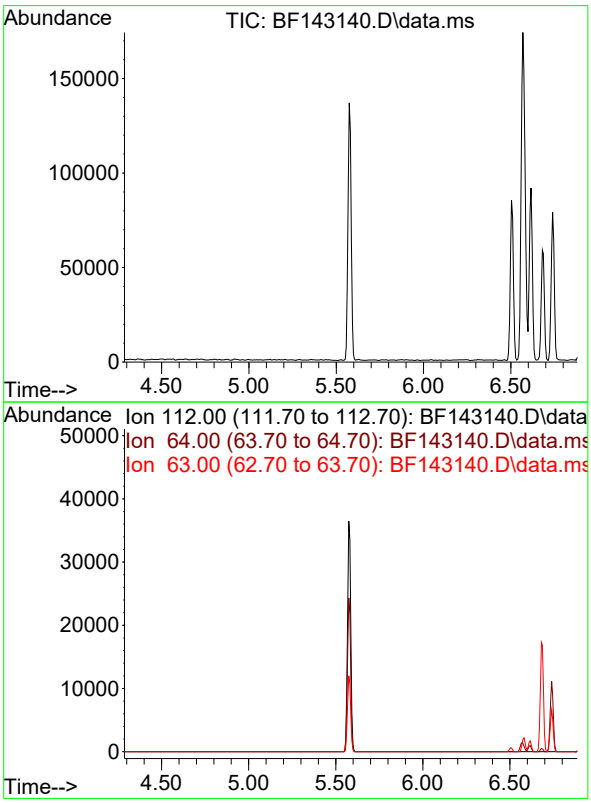
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

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



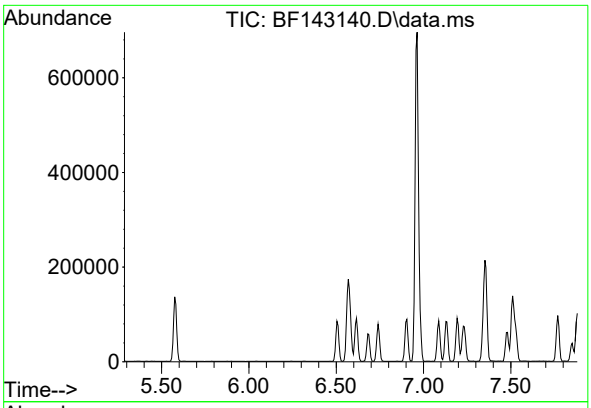


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.59 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	66.4
63	33.3



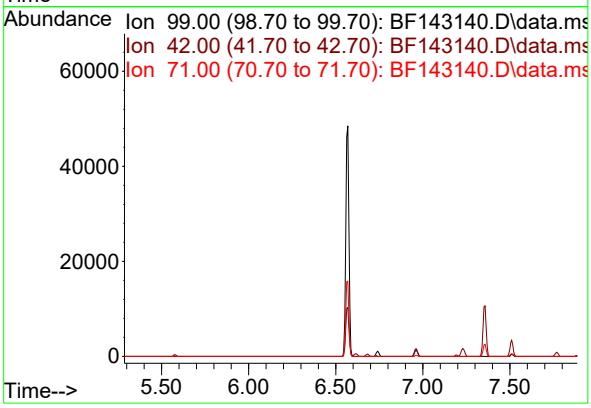
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.59 min

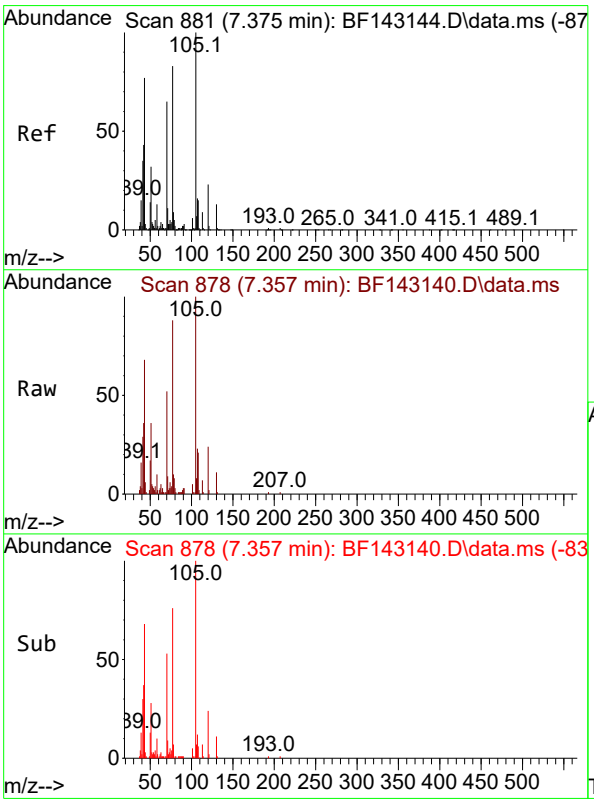
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	21.3
71	34.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

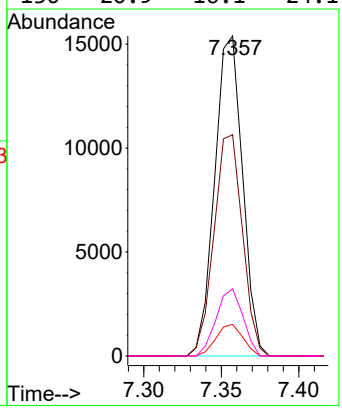


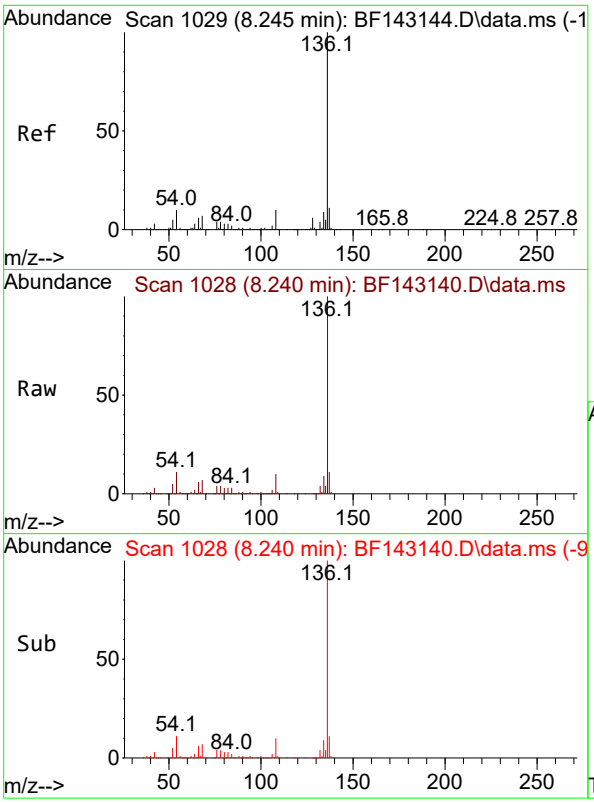


#19
n-Nitroso-di-n-propylamine
Concen: 2.696 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.017 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

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



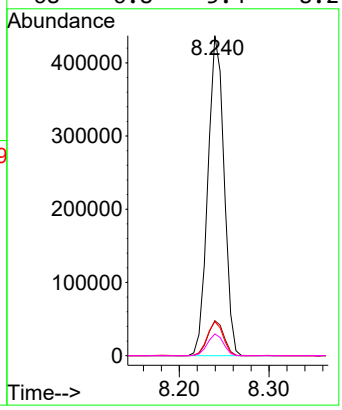


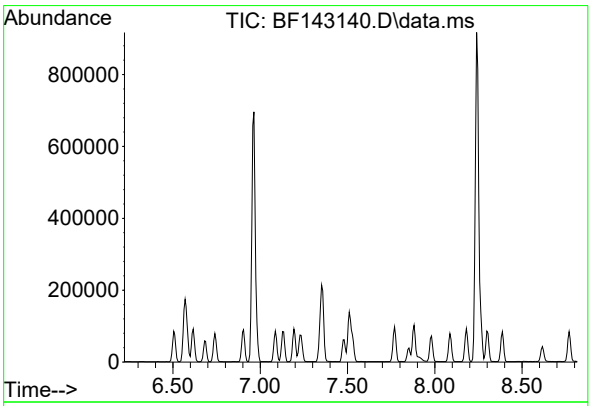
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

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



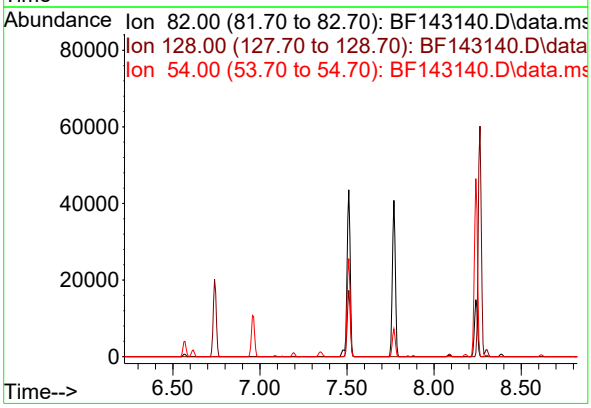


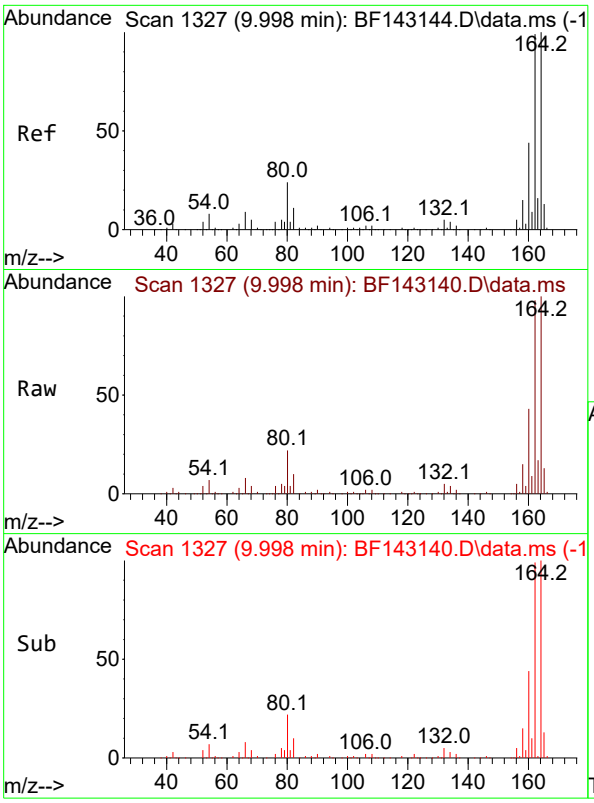
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.52 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	42.0
54	58.9



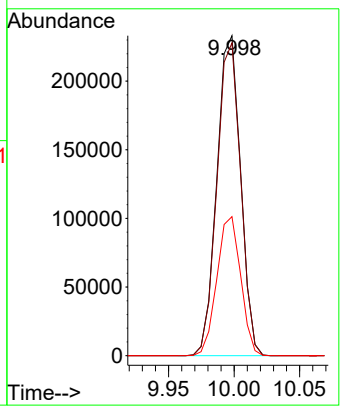


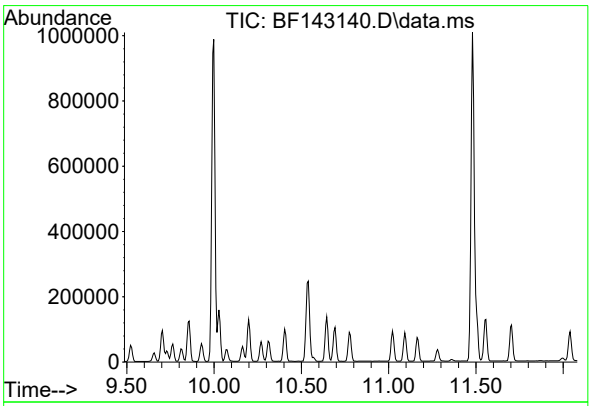
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

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



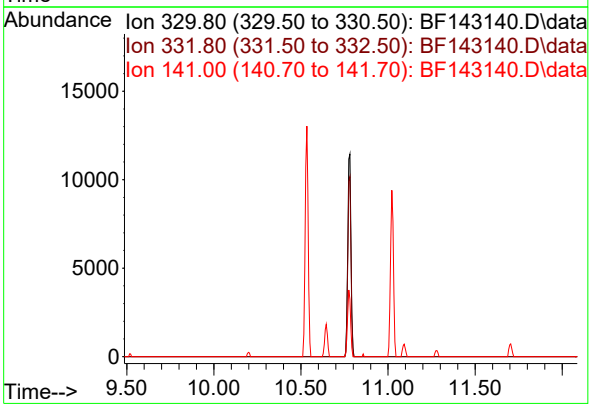


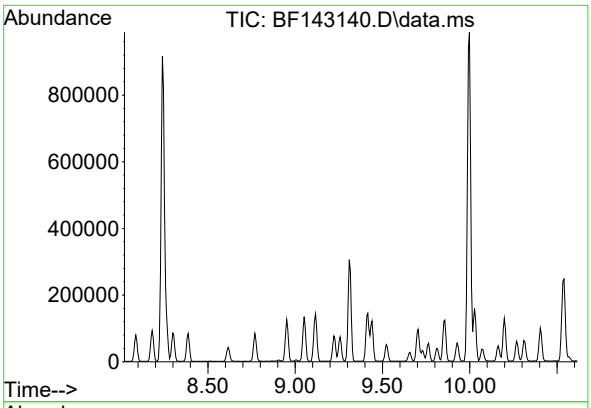
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.79 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	95.9
141	29.1





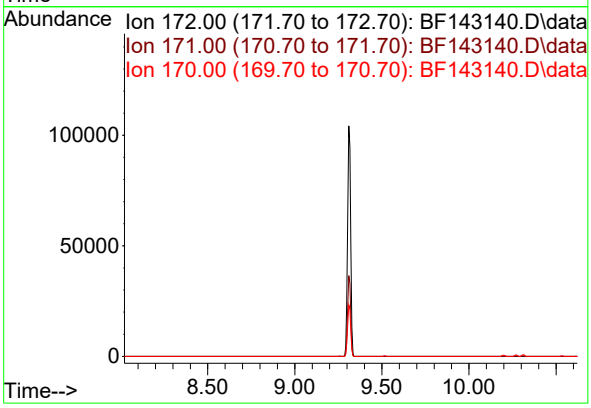
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.32 min

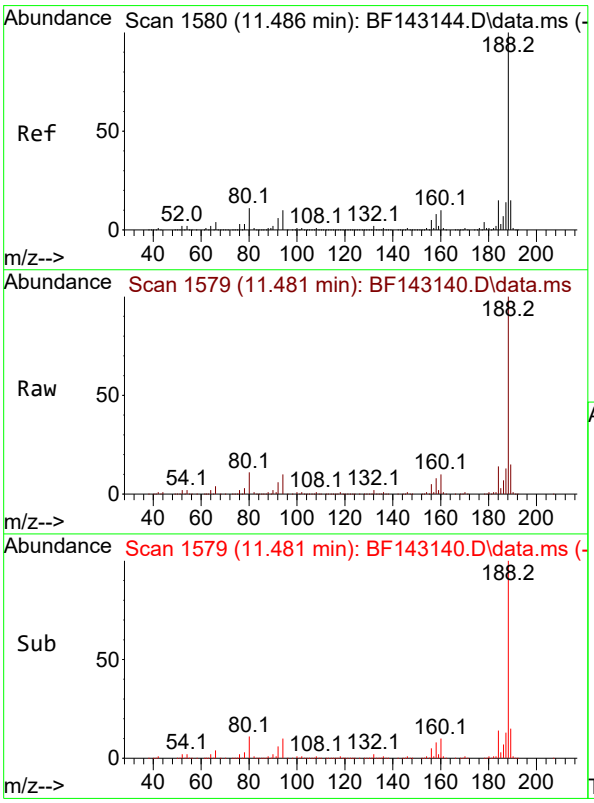
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

Sig	Exp Ratio
172	100
171	35.7
170	23.5

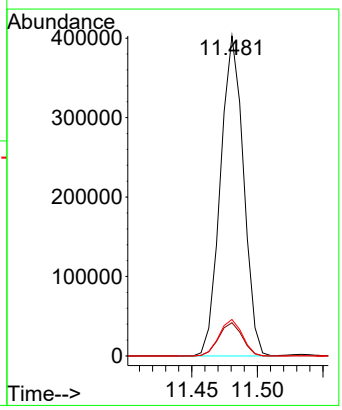


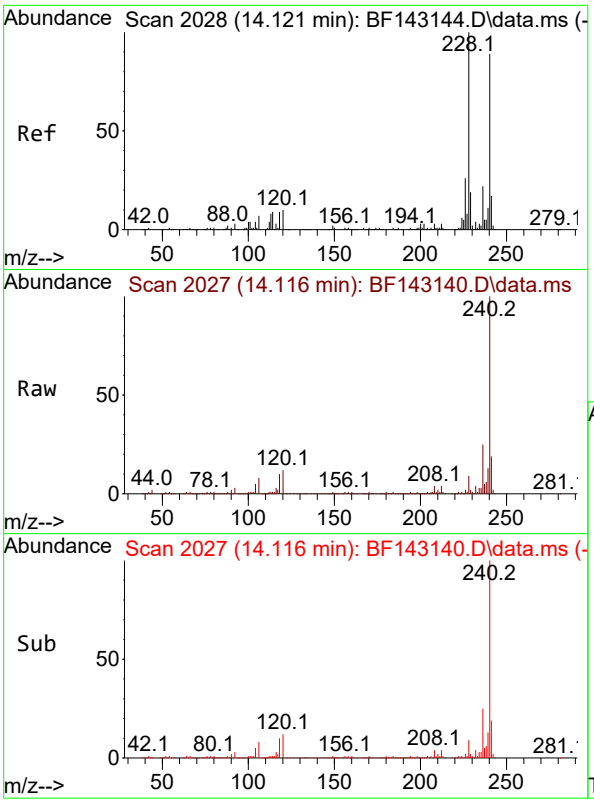


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.481 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

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



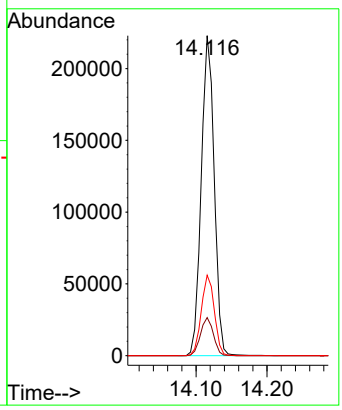


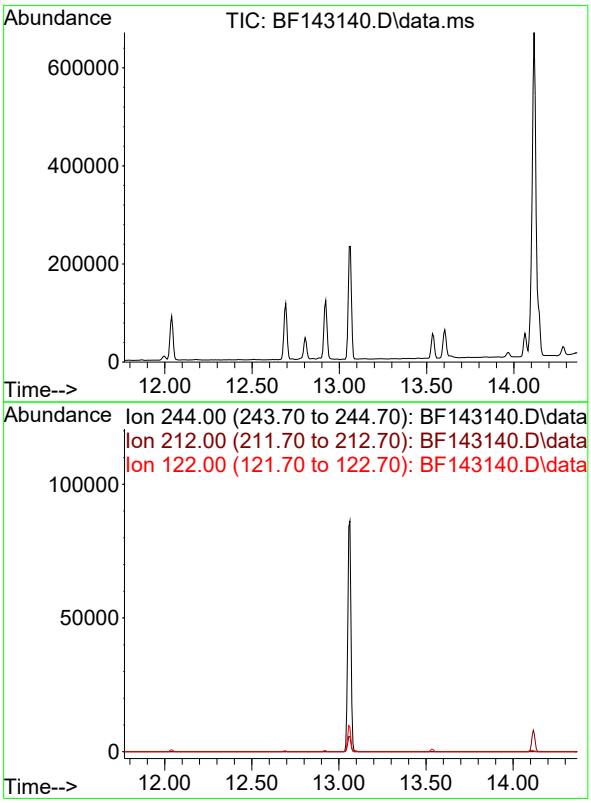
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

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



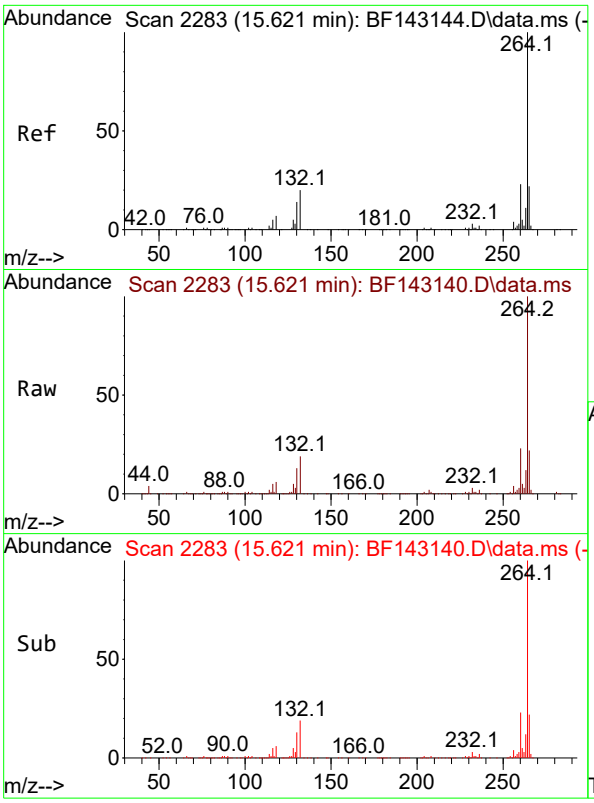


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.07 min

Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.5
122	10.2

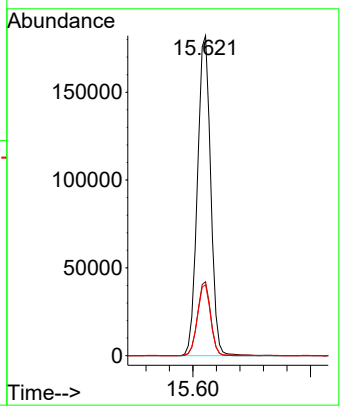


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143140.D
Acq: 17 Jul 2025 11:04

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



Quantitation Report (QT Reviewed)

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

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

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)
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

Quantitation Report (QT Reviewed)

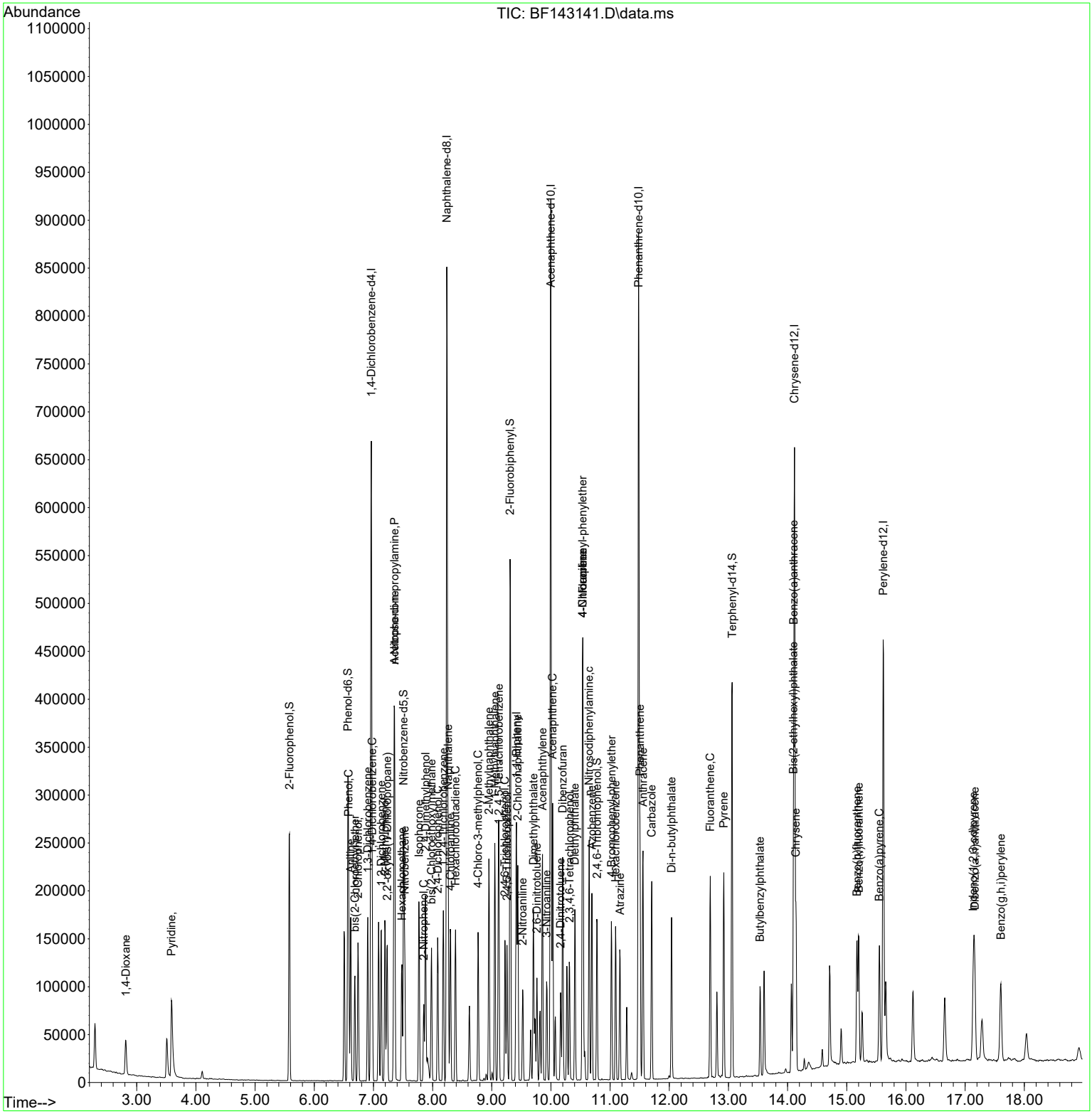
ICAL Form

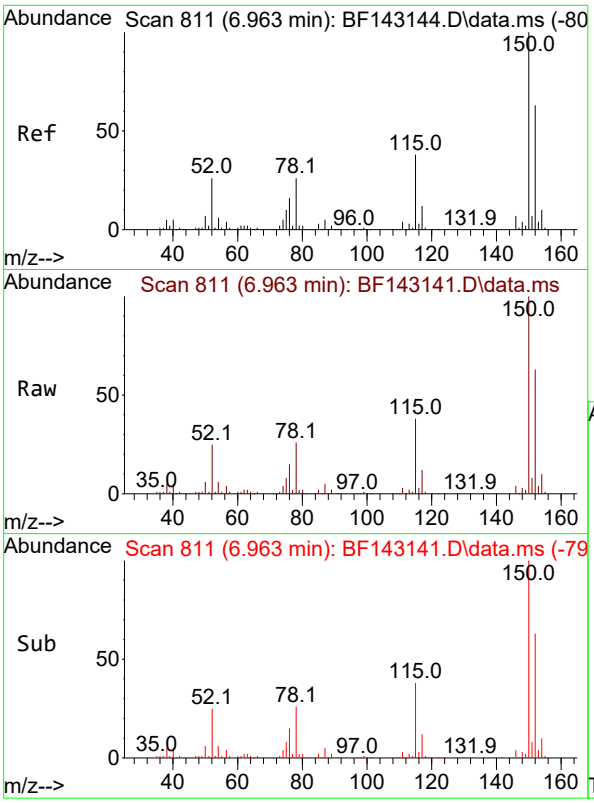
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143141.D
Acq On : 17 Jul 2025 11:34
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 4 Sample Multiplier: 1

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

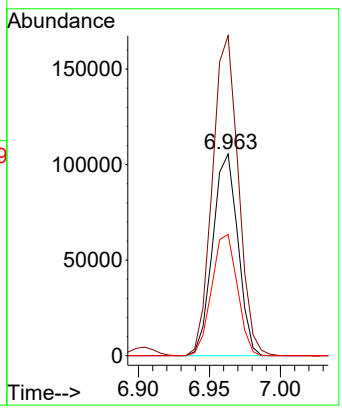
Tgt Ion:152 Resp: 12994

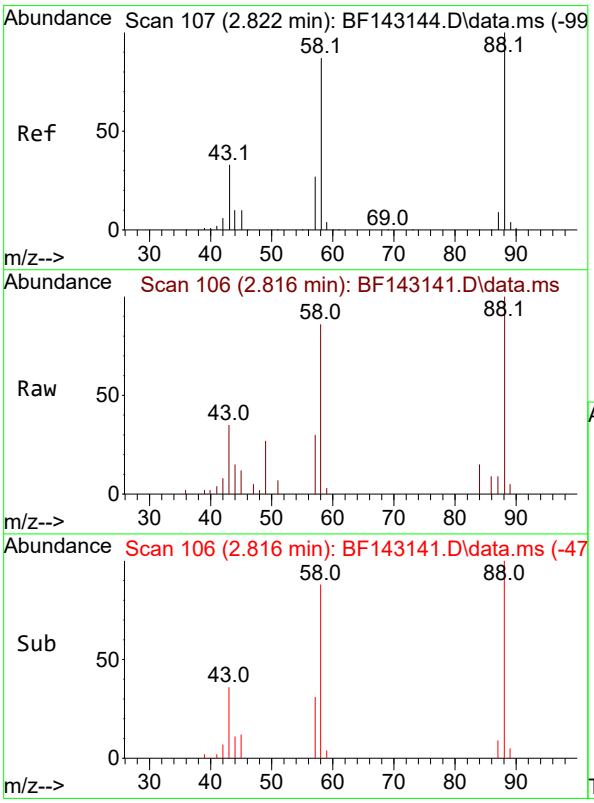
Ion	Ratio	Lower	Upper
152	100		
150	158.7	128.2	192.4
115	60.2	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

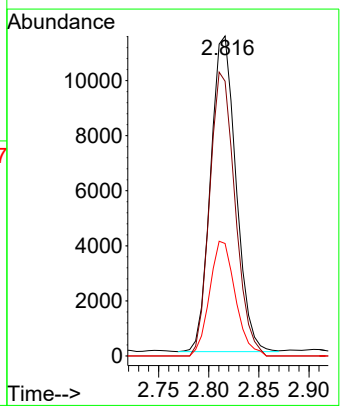


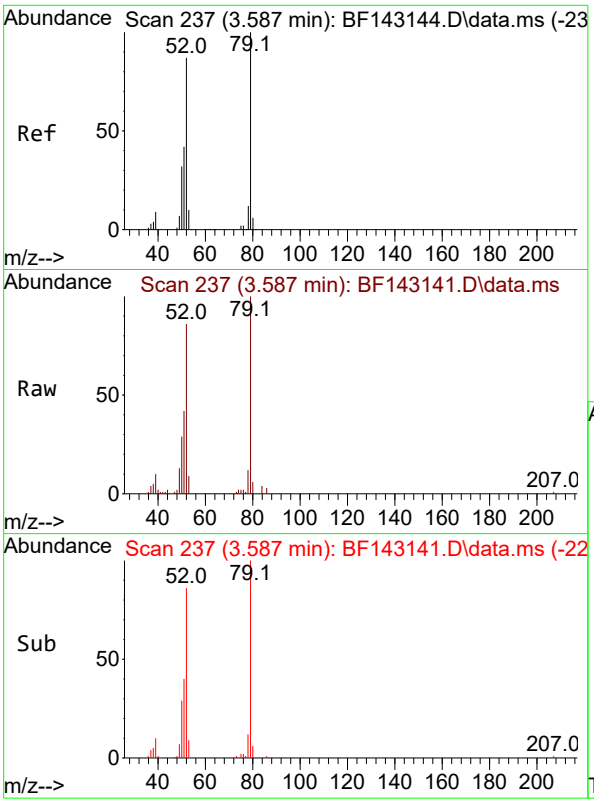


#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

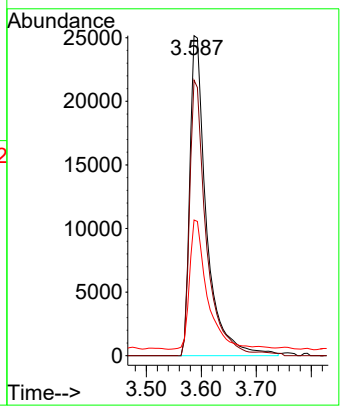
Tgt Ion: 79 Resp: 5298

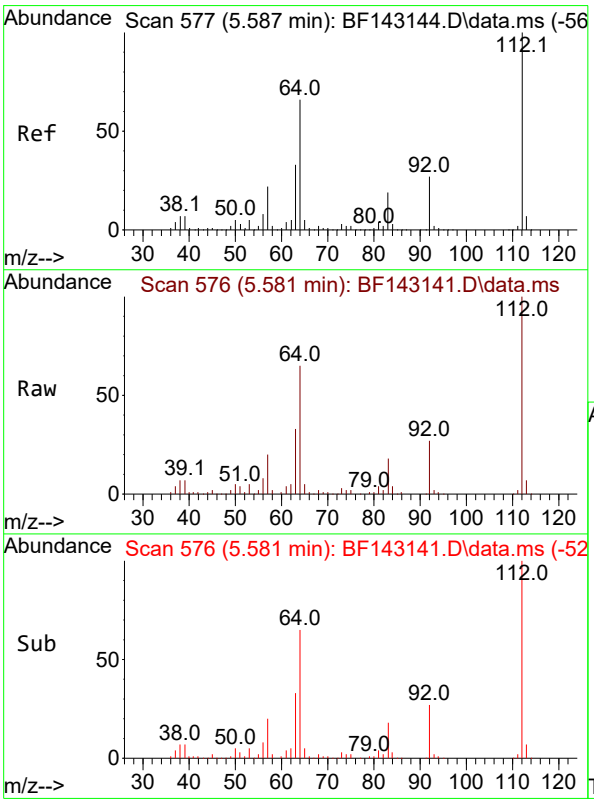
Ion	Ratio	Lower	Upper
79	100		
52	86.1	69.4	104.2
51	42.4	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

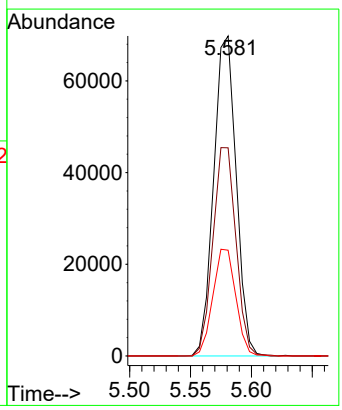


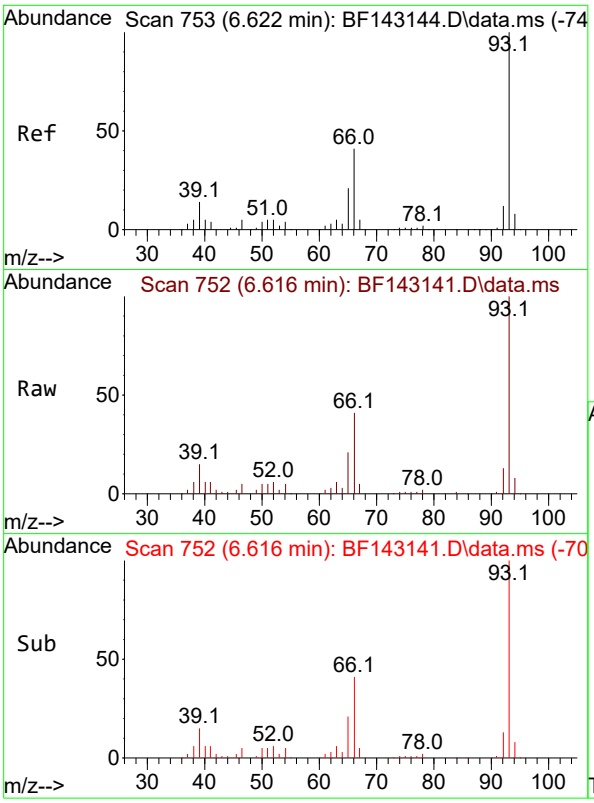


#5
2-Fluorophenol
Concen: 10.955 ng
RT: 5.581 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

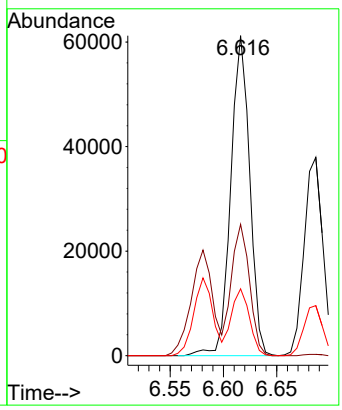
Tgt Ion: 93 Resp: 7581

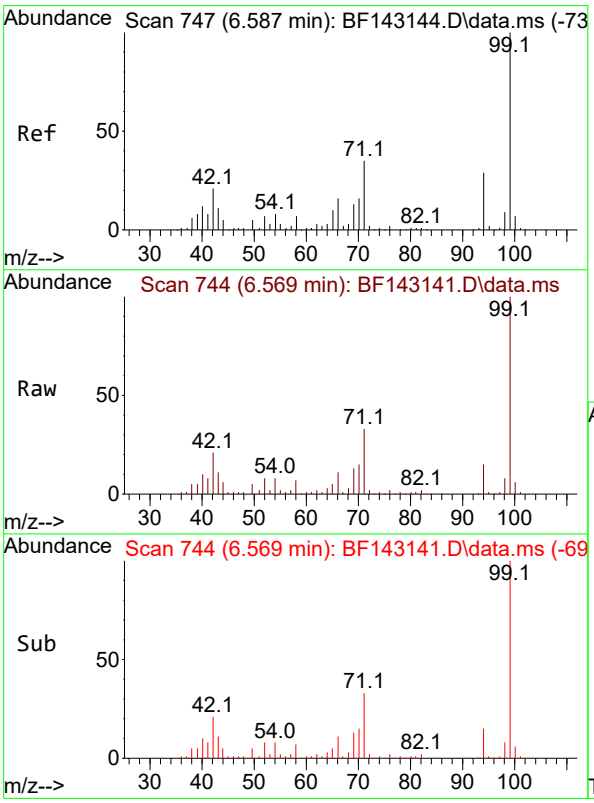
Ion	Ratio	Lower	Upper
93	100		
66	41.0	33.2	49.8
65	20.9	16.9	25.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

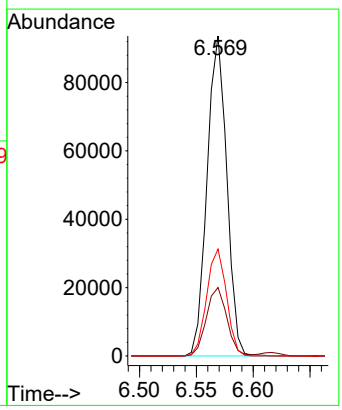


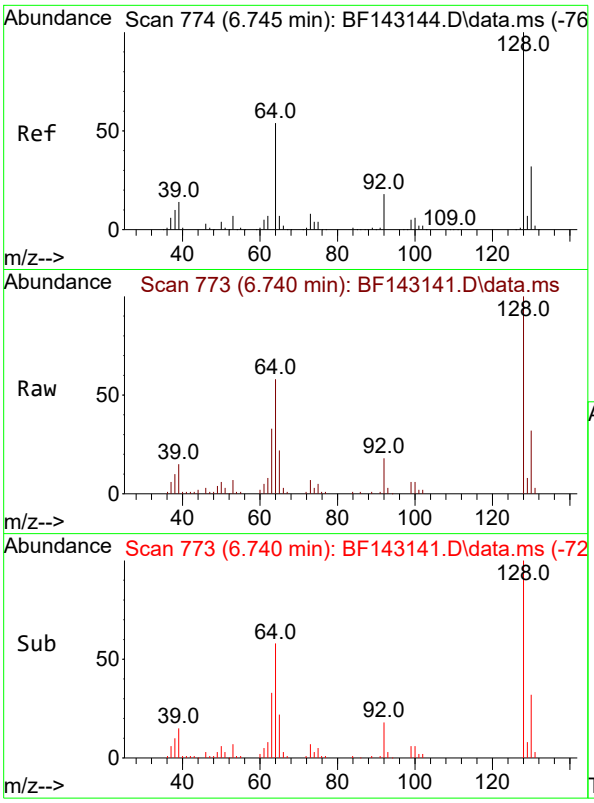


#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

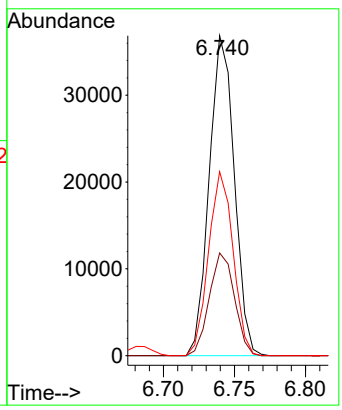
Tgt Ion:128 Resp: 4520

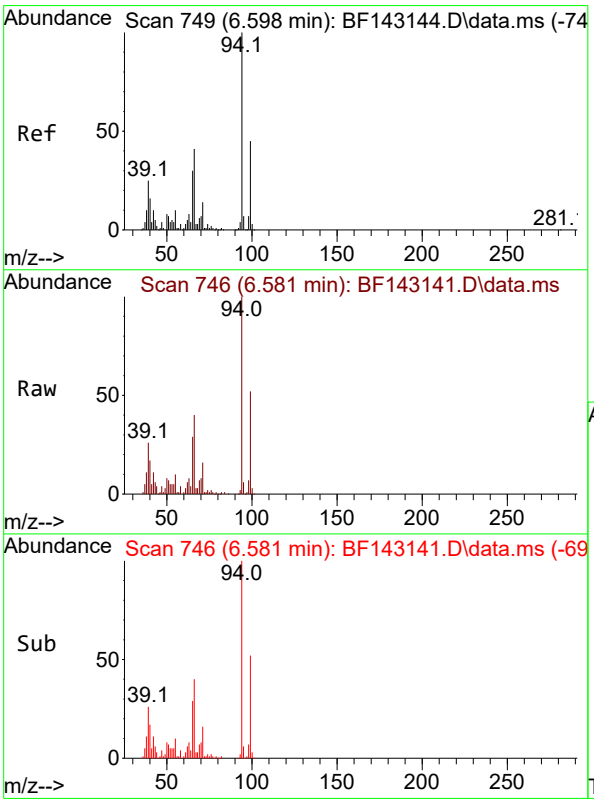
Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.3	52.3
64	57.5	35.9	75.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

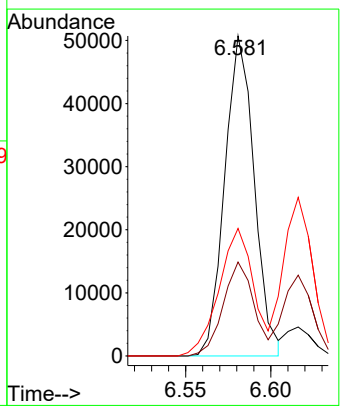


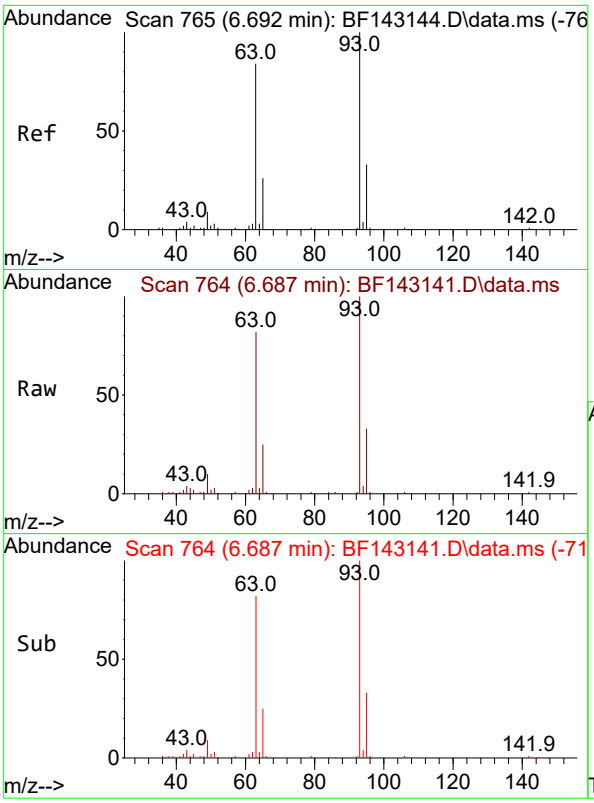


#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

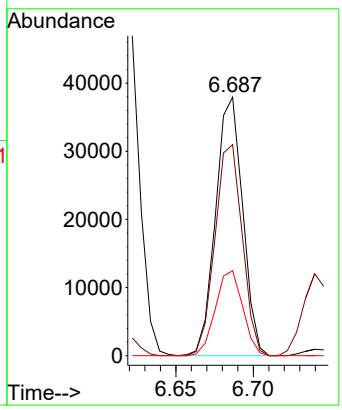
Tgt Ion: 93 Resp: 4608

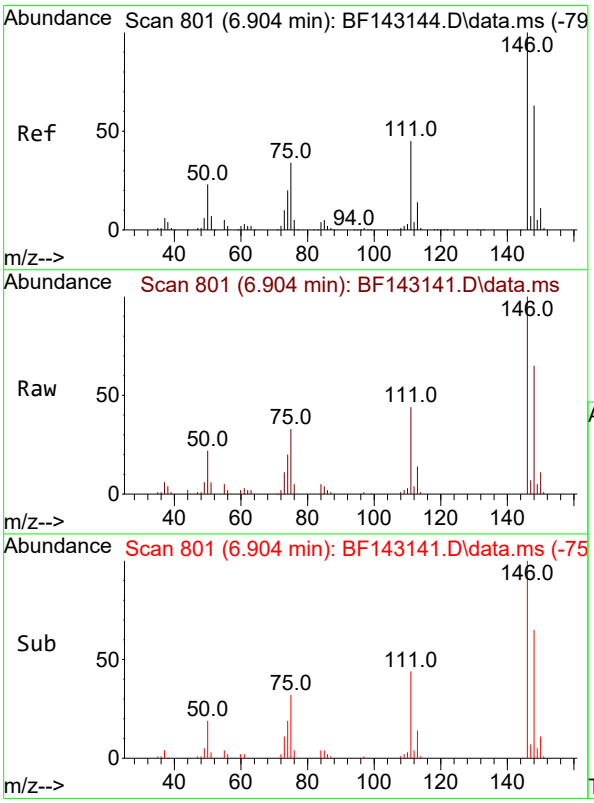
Ion	Ratio	Lower	Upper
93	100		
63	81.6	63.4	103.4
95	32.9	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

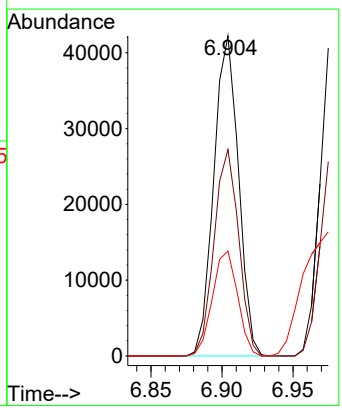


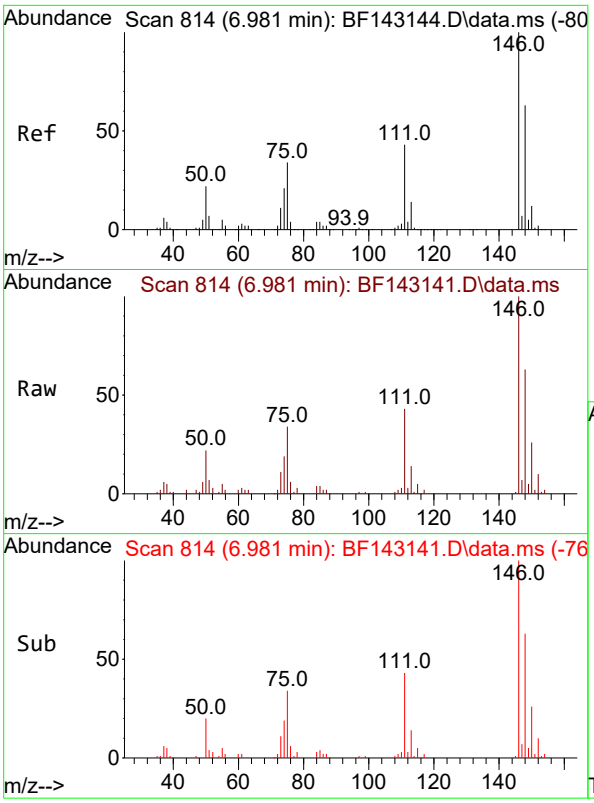


#12
1,3-Dichlorobenzene
Concen: 5.460 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

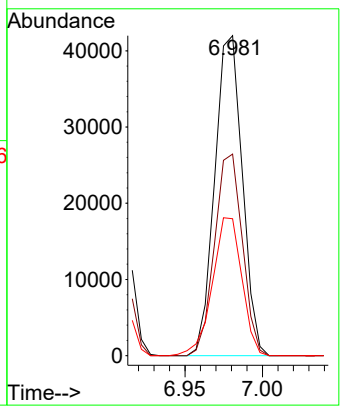
Tgt Ion:146 Resp: 5203

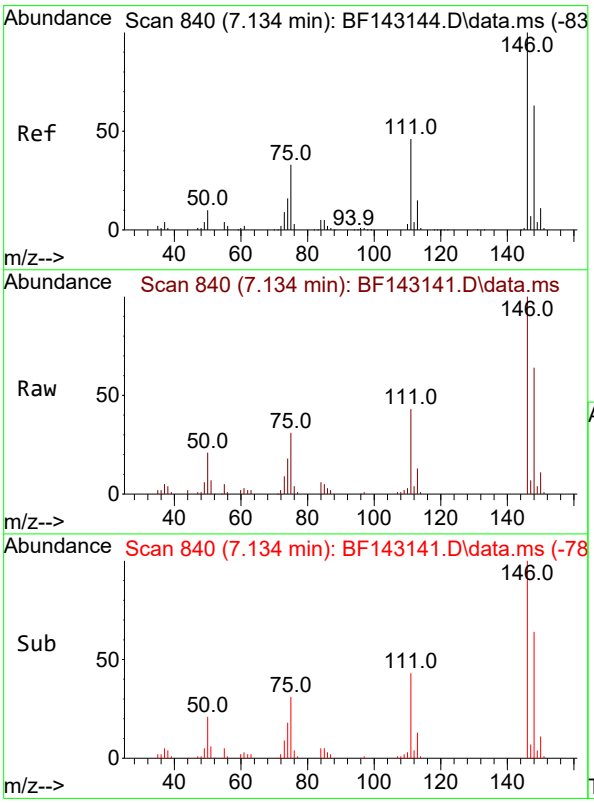
Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
111	42.8	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

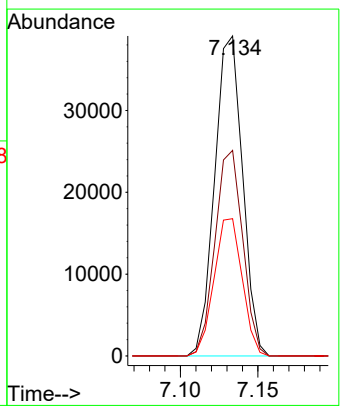


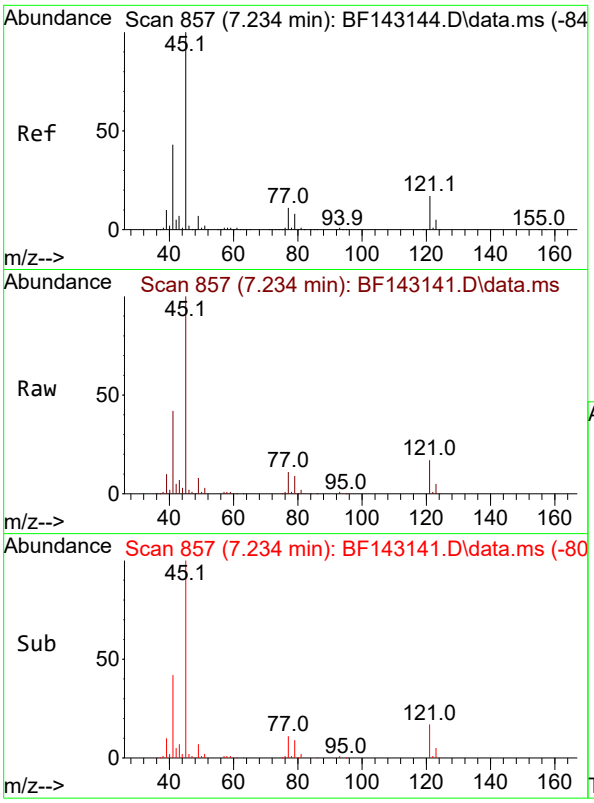


#14
1,2-Dichlorobenzene
Concen: 5.474 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

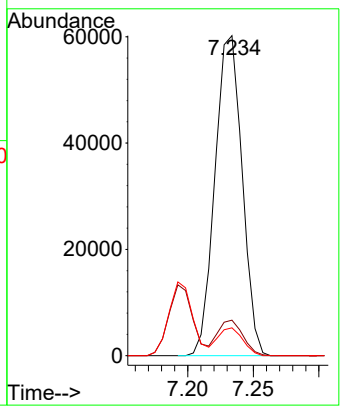
Tgt Ion: 45 Resp: 8672

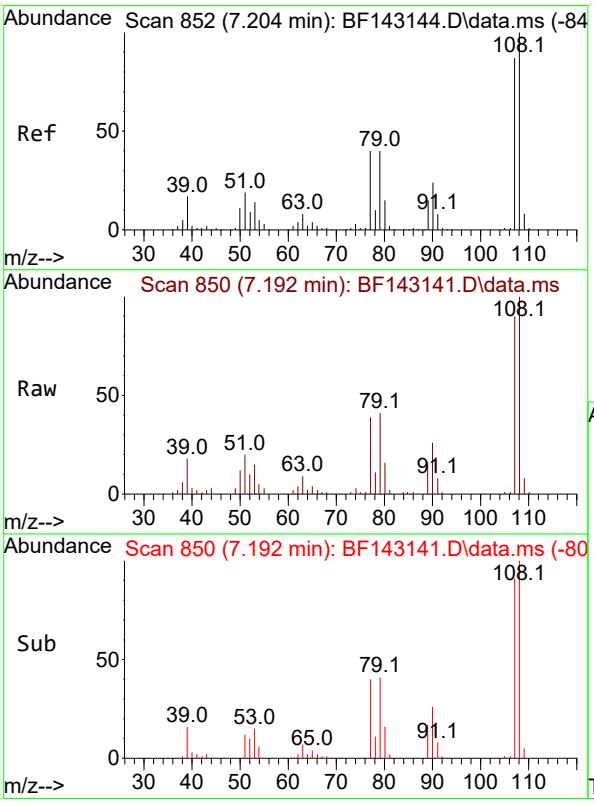
Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.7	0.0	28.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

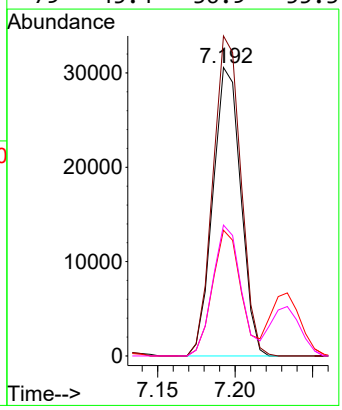


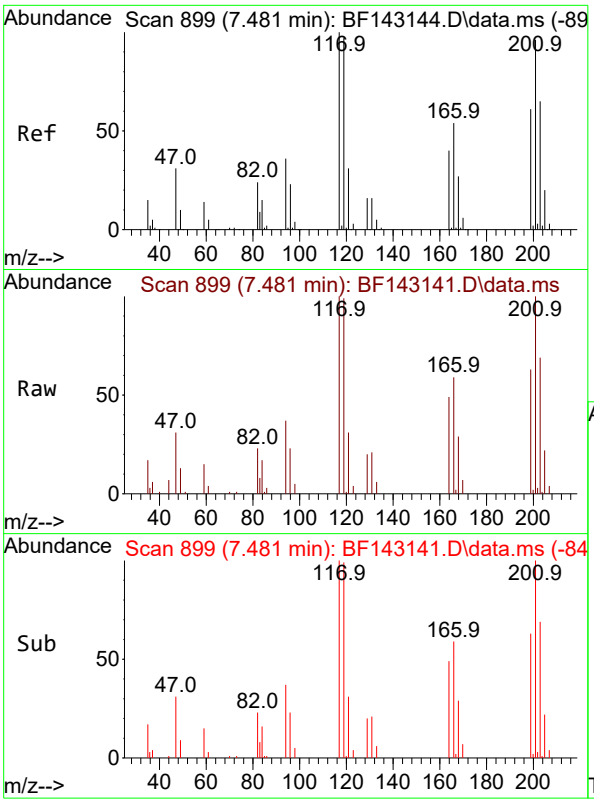


#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

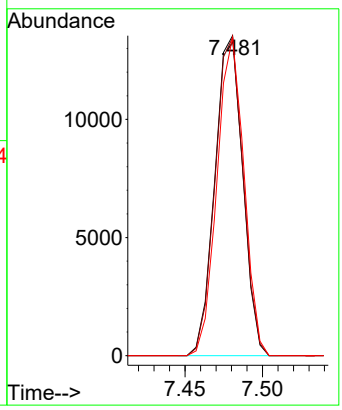
Tgt Ion:117 Resp: 1694

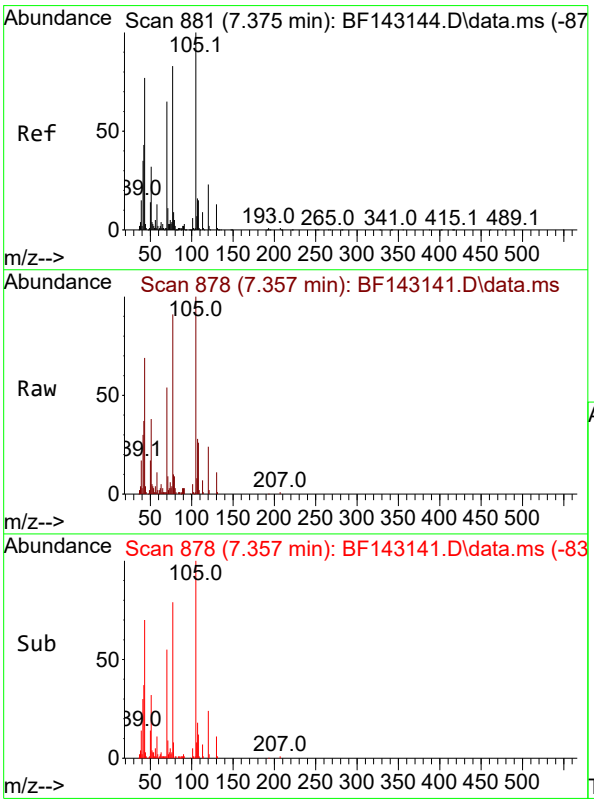
Ion	Ratio	Lower	Upper
117	100		
119	99.4	77.8	116.8
201	99.6	77.0	115.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

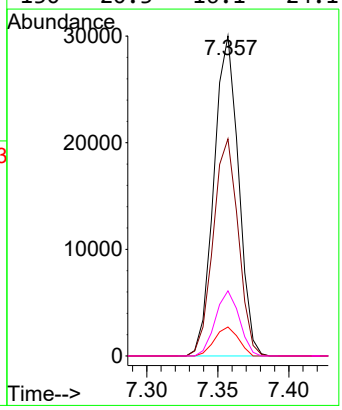


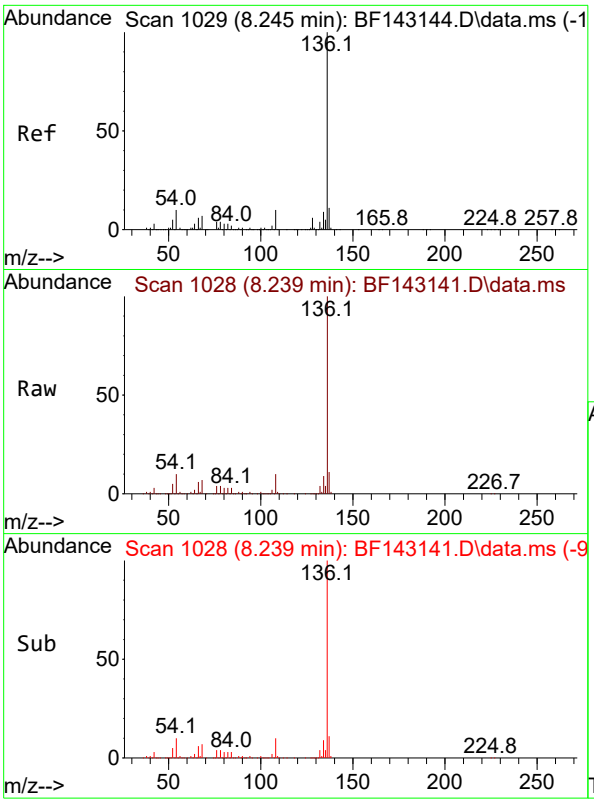


#19
n-Nitroso-di-n-propylamine
Concen: 5.445 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

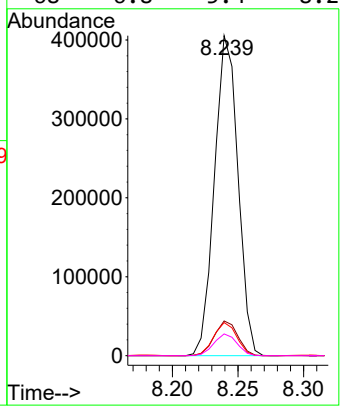




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:136 Resp: 50479(

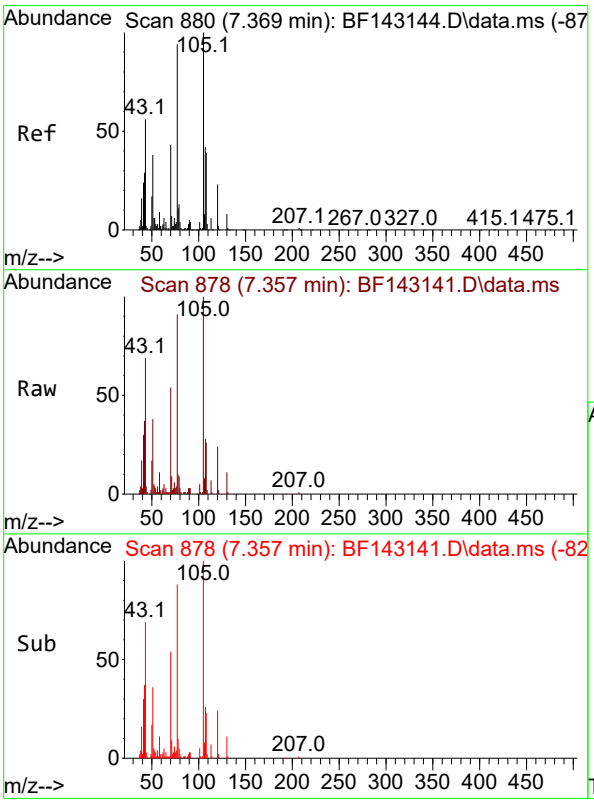
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.3	8.2	12.2
68	6.8	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

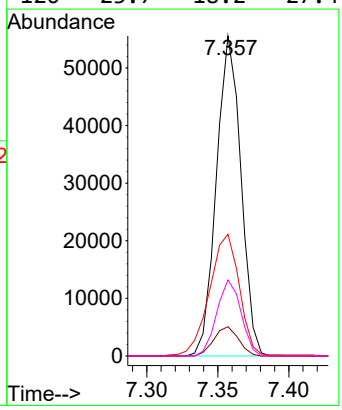
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

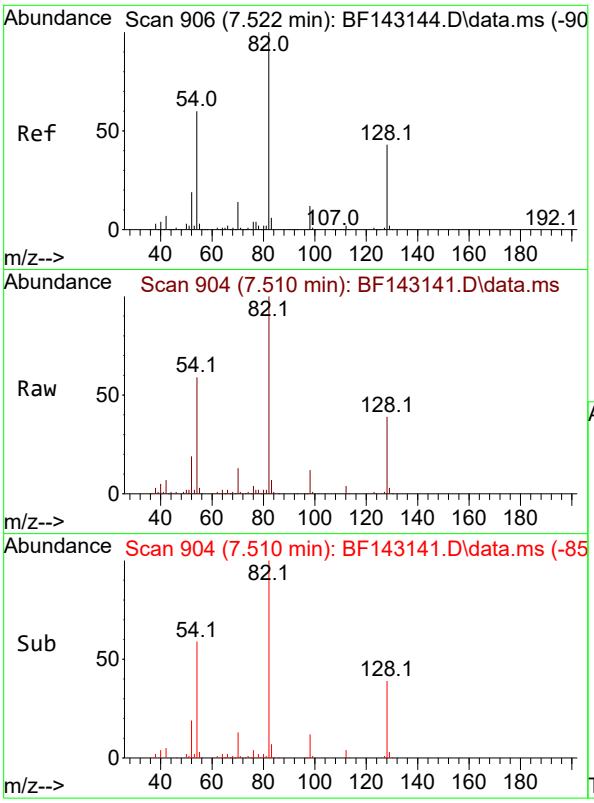


#22
Acetophenone
Concen: 5.569 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

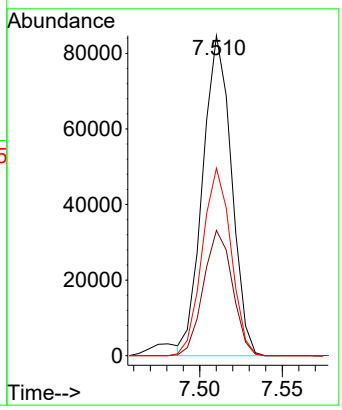
Tgt Ion: 82 Resp: 10274

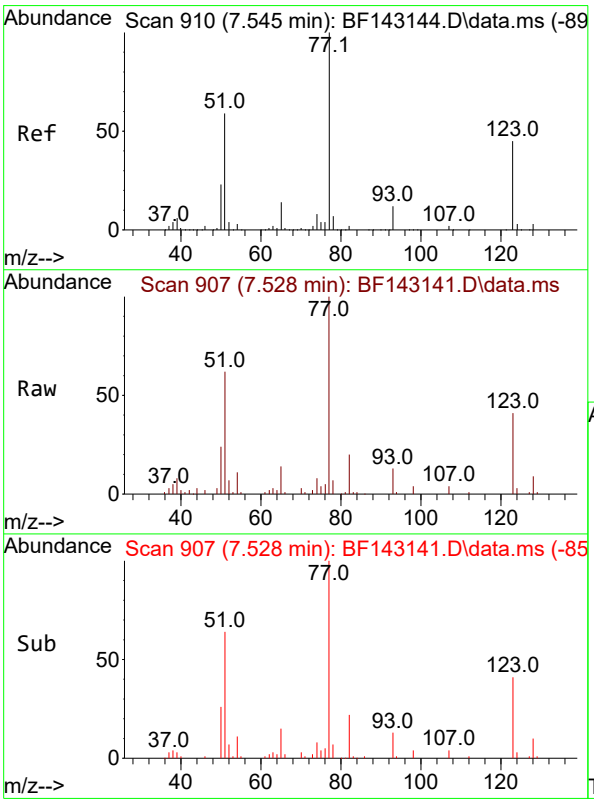
Ion	Ratio	Lower	Upper
82	100		
128	39.1	33.6	50.4
54	58.6	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

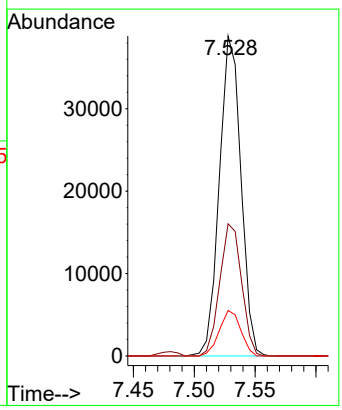


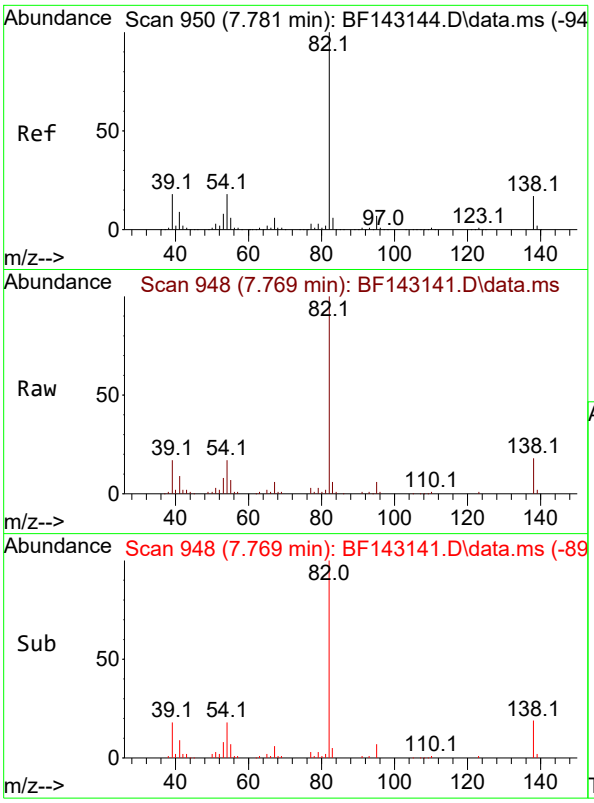


#24
Nitrobenzene
Concen: 5.074 ng
RT: 7.528 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

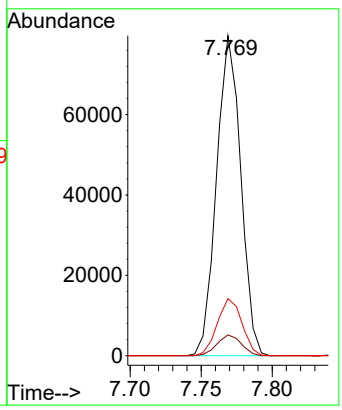
Tgt Ion: 82 Resp: 9437

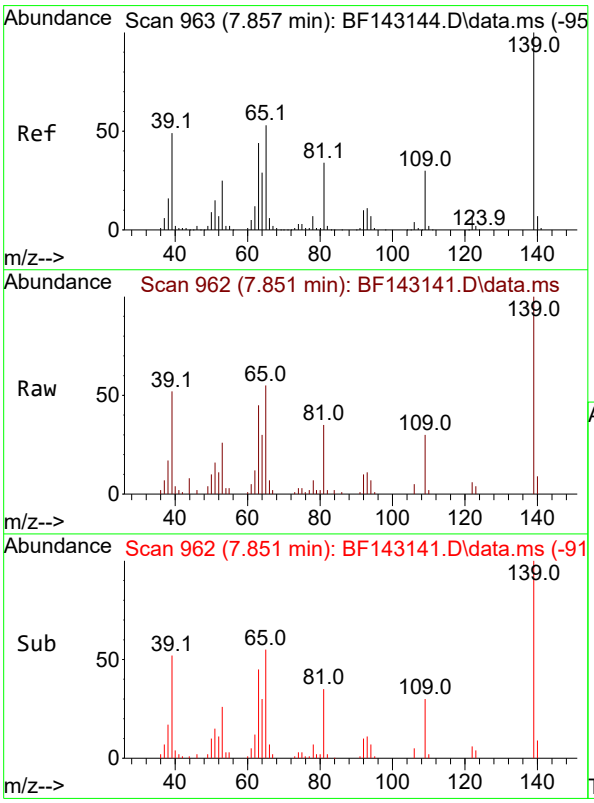
Ion	Ratio	Lower	Upper
82	100		
95	6.5	5.5	8.3
138	17.8	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

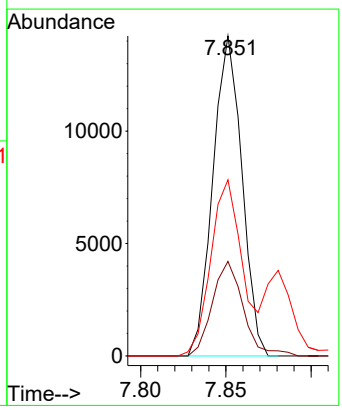


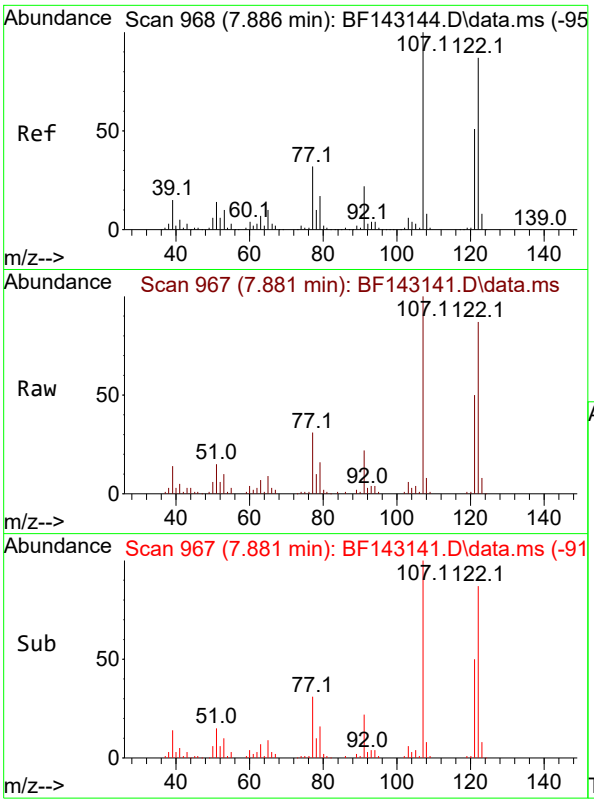


#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

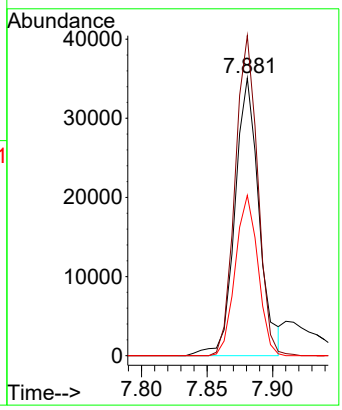
Tgt Ion:122 Resp: 4495

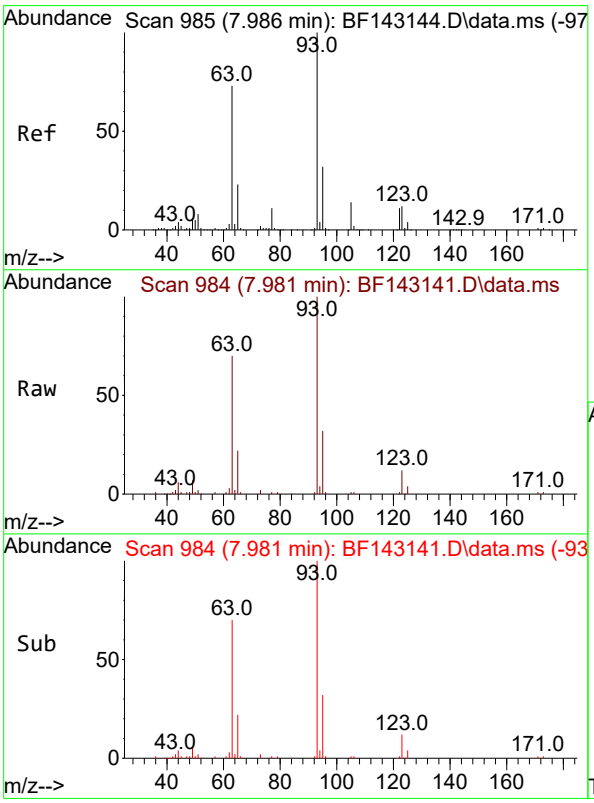
Ion	Ratio	Lower	Upper
122	100		
107	115.3	91.8	137.6
121	57.8	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

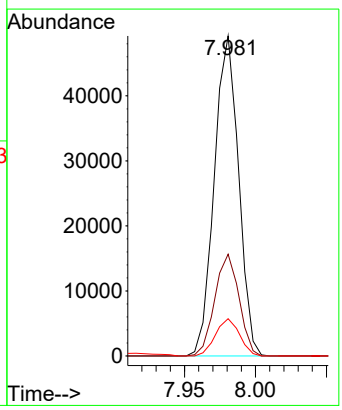


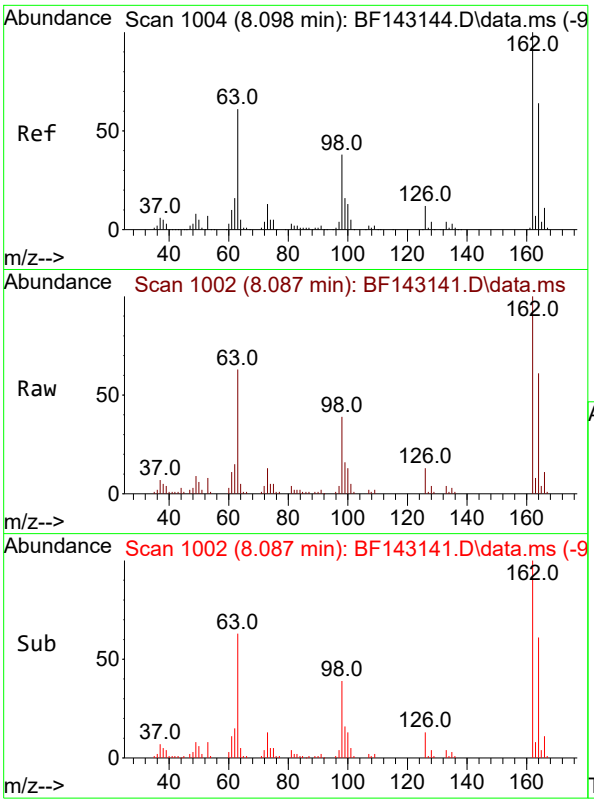


#28
bis(2-Chloroethoxy)methane
Concen: 5.455 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

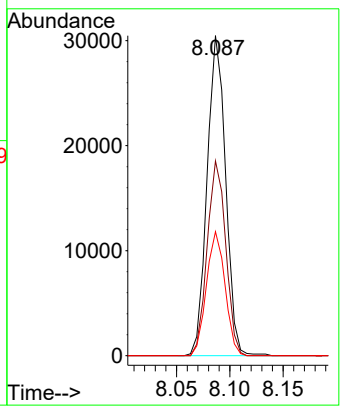
Tgt Ion:162 Resp: 3688

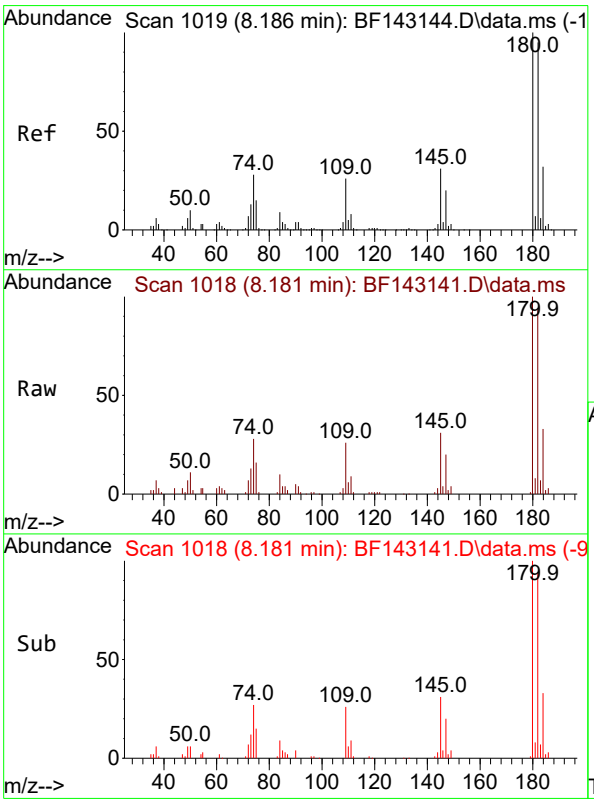
Ion	Ratio	Lower	Upper
162	100		
164	60.8	44.2	84.2
98	38.7	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

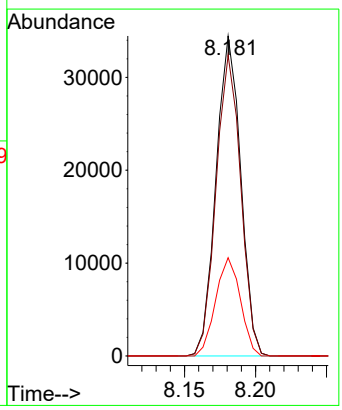


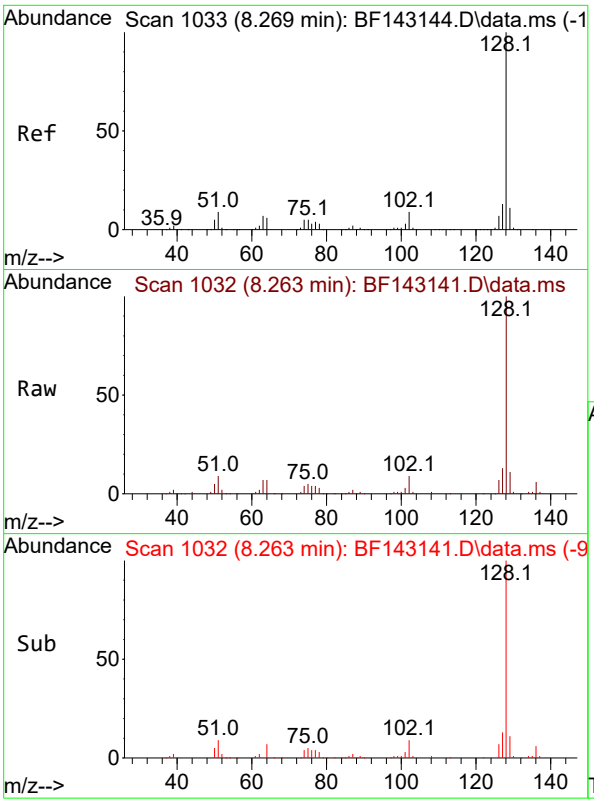


#30
1,2,4-Trichlorobenzene
Concen: 5.460 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

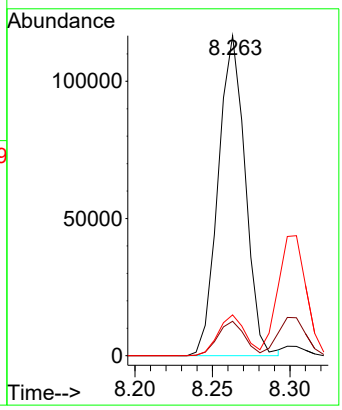
Tgt Ion:128 Resp: 141099

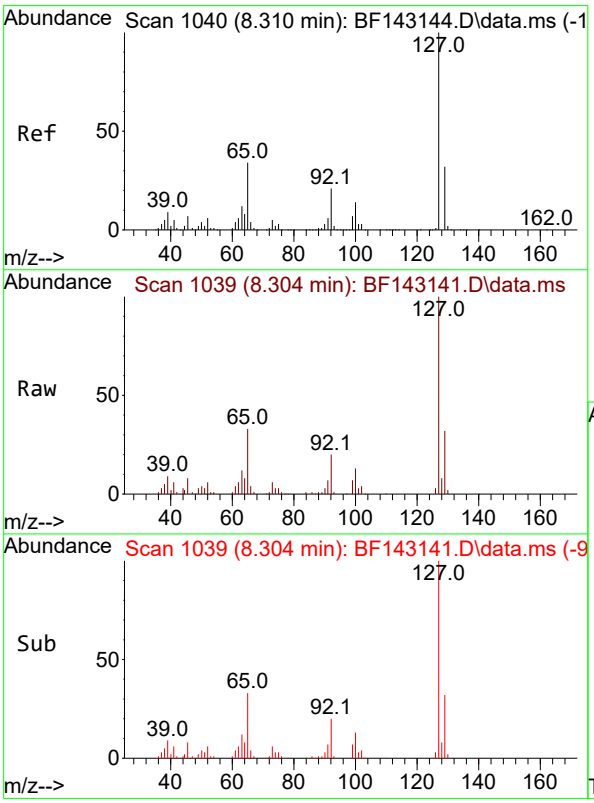
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.4
127	12.7	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

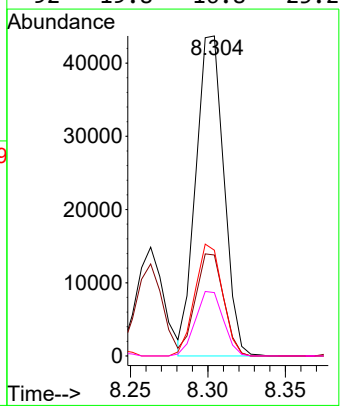


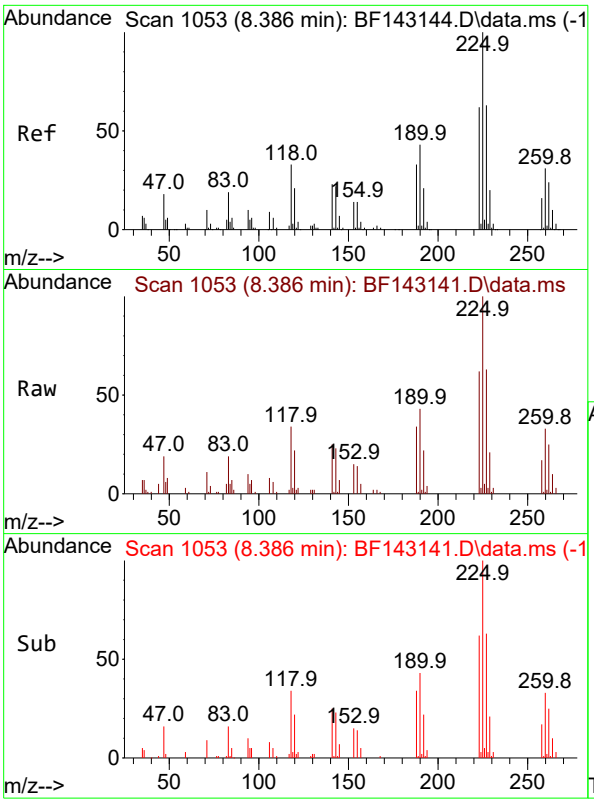


#33
4-Chloroaniline
Concen: 5.431 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

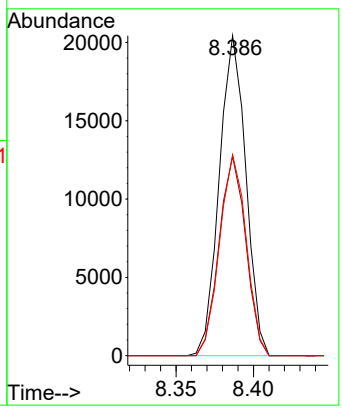
Tgt Ion:225 Resp: 2432

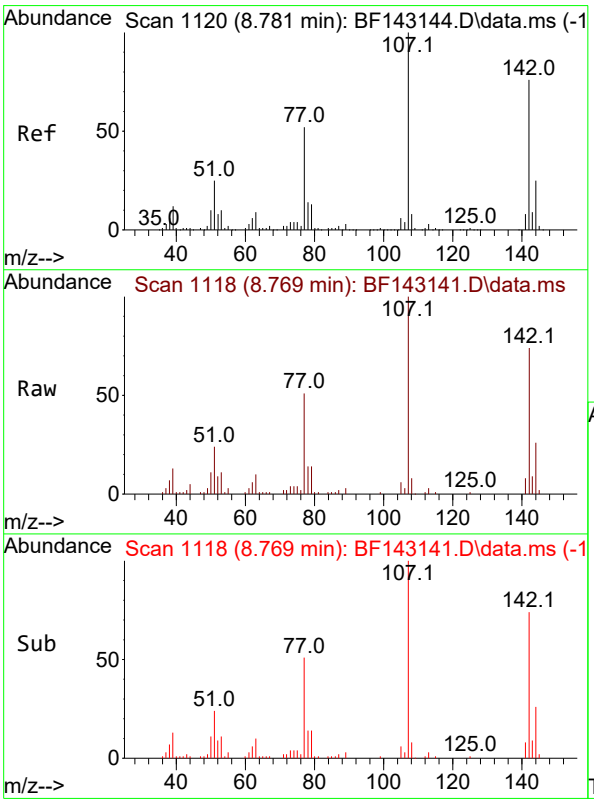
Ion	Ratio	Lower	Upper
225	100		
223	62.3	49.8	74.6
227	62.8	50.2	75.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

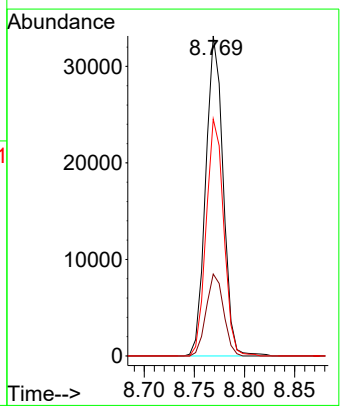


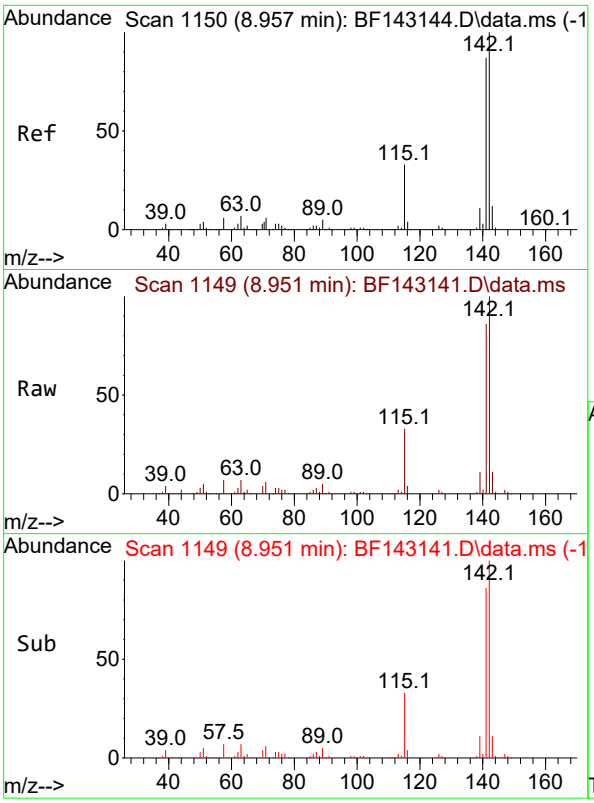


#36
4-Chloro-3-methylphenol
Concen: 5.251 ng
RT: 8.769 min Scan# 1118
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

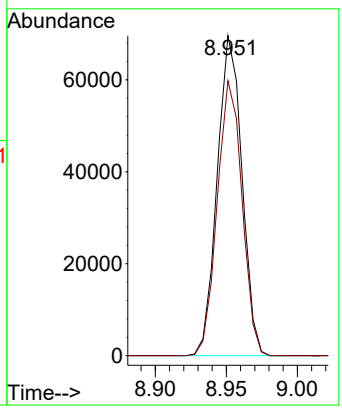
Tgt Ion:142 Resp: 8423

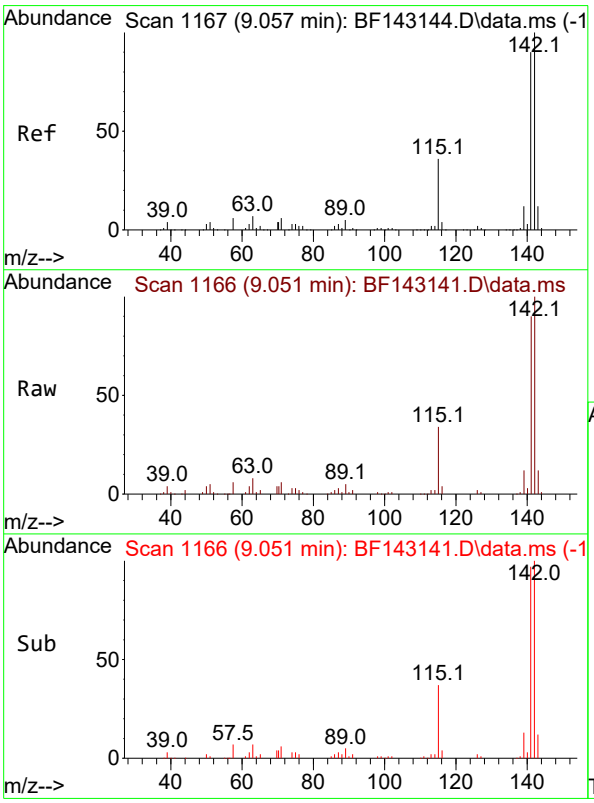
Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

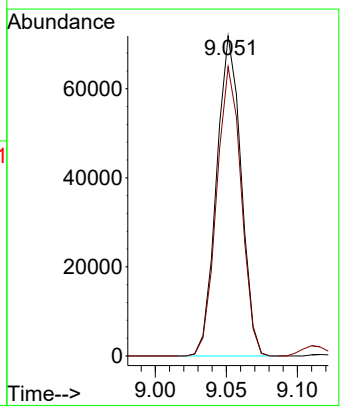


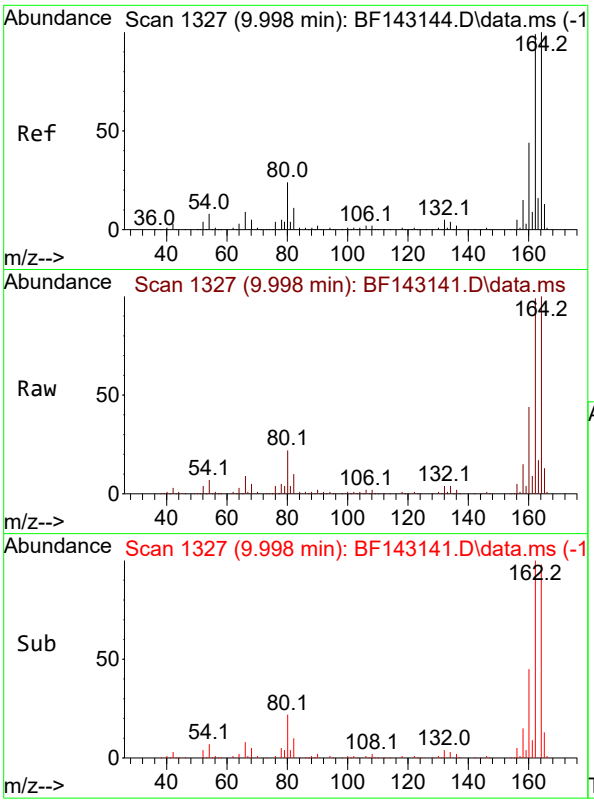


#38
1-Methylnaphthalene
Concen: 5.529 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

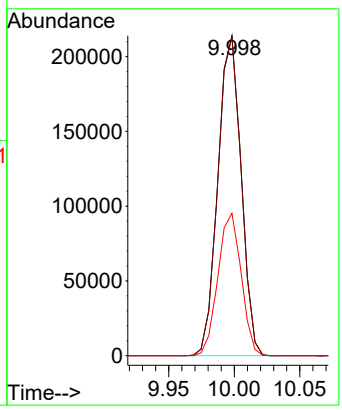
Tgt Ion:164 Resp: 263409

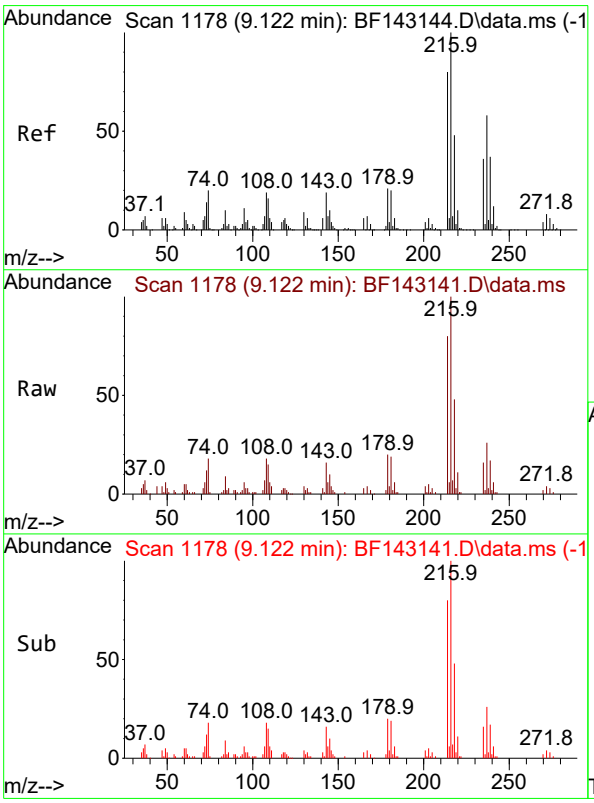
Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.0	118.6
160	44.5	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

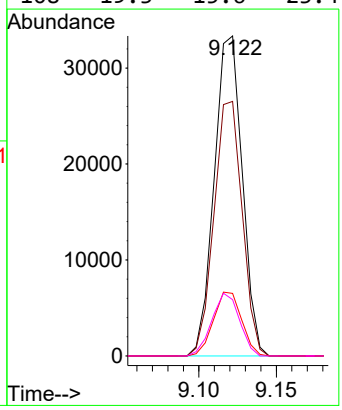


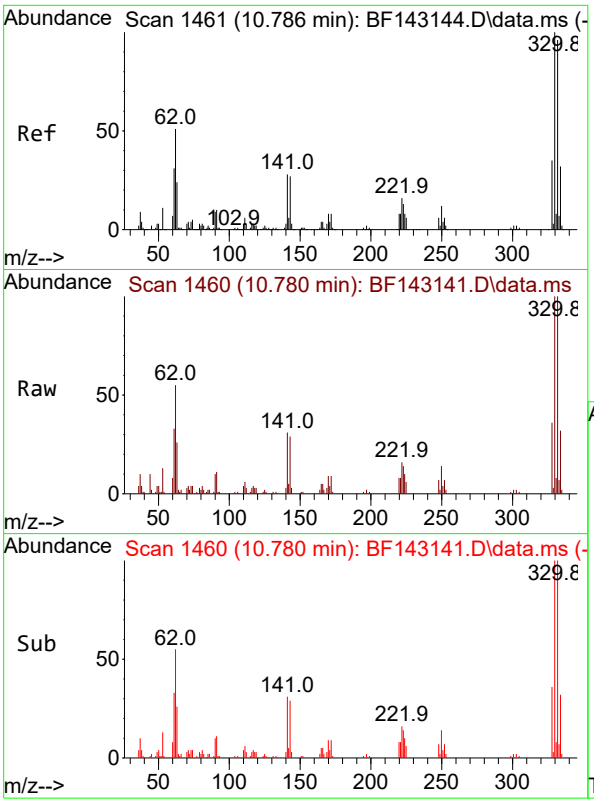


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.523 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

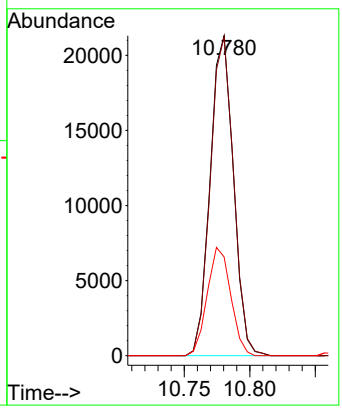
Tgt Ion:330 Resp: 2628

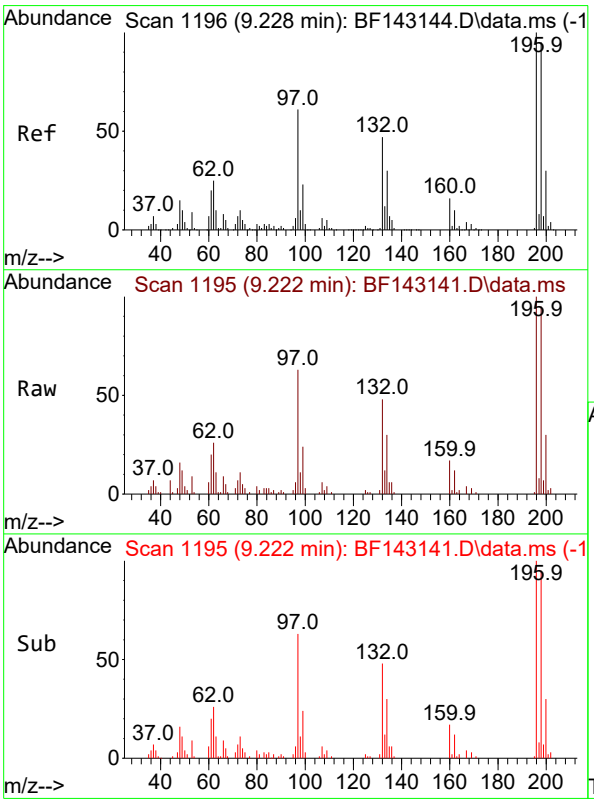
Ion	Ratio	Lower	Upper
330	100		
332	99.4	76.7	115.1
141	34.3	23.3	34.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

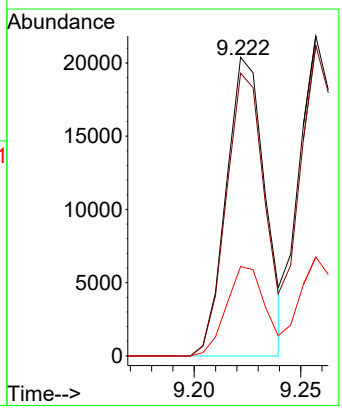


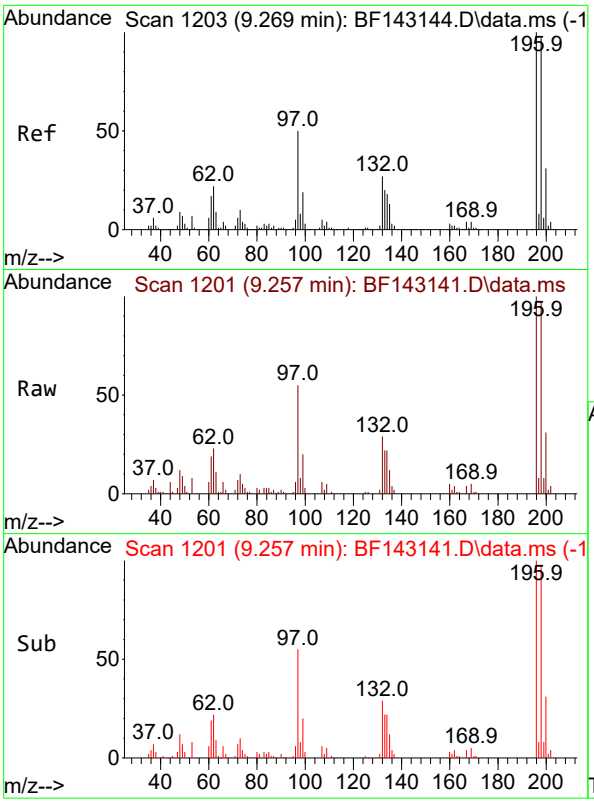


#43
2,4,6-Trichlorophenol
Concen: 4.889 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

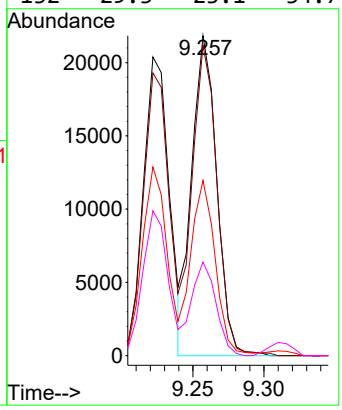




#44
2,4,5-Trichlorophenol
Concen: 5.057 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

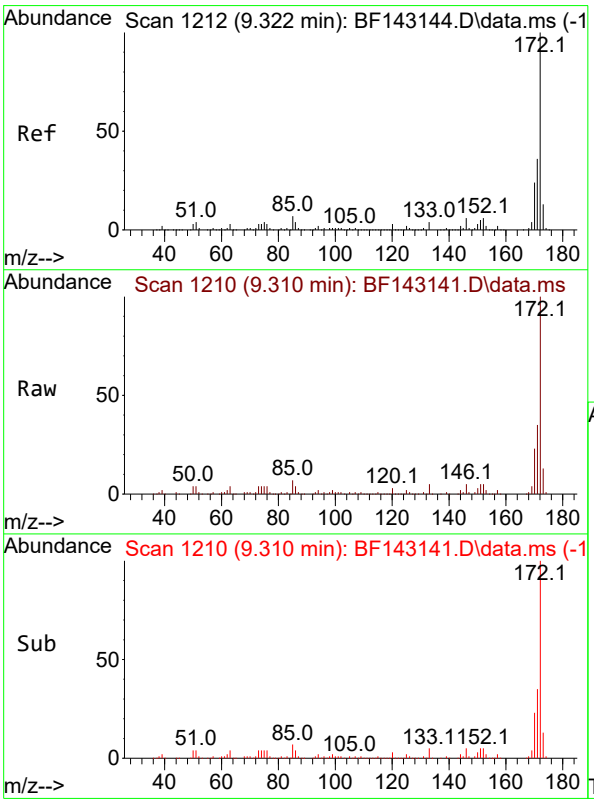
Tgt Ion:196 Resp: 2662

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

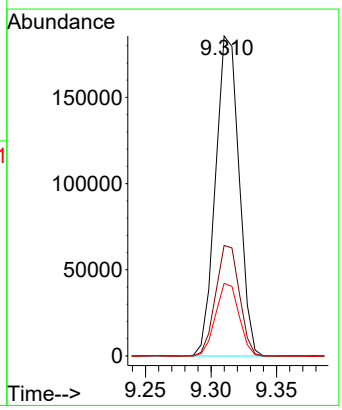
Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

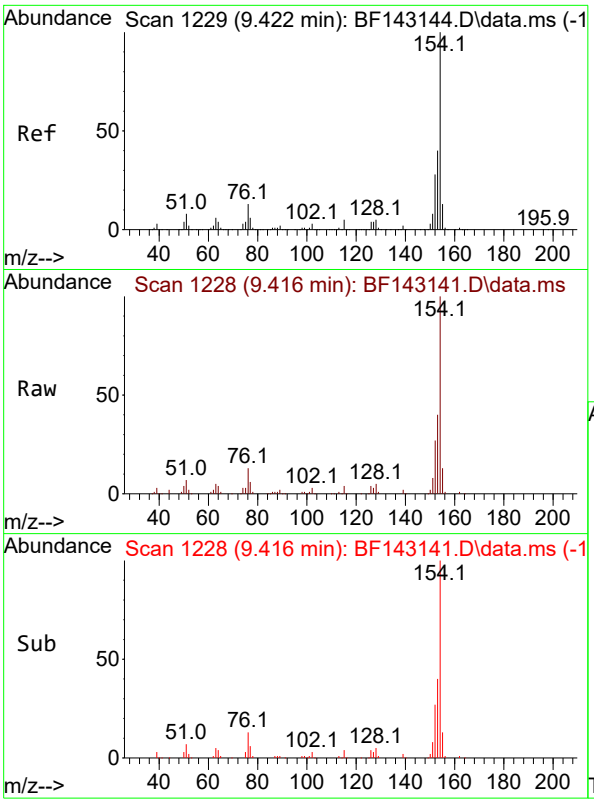


#45
2-Fluorobiphenyl
Concen: 12.043 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

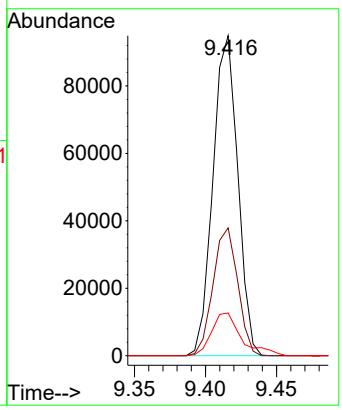
Tgt Ion:154 Resp: 11513

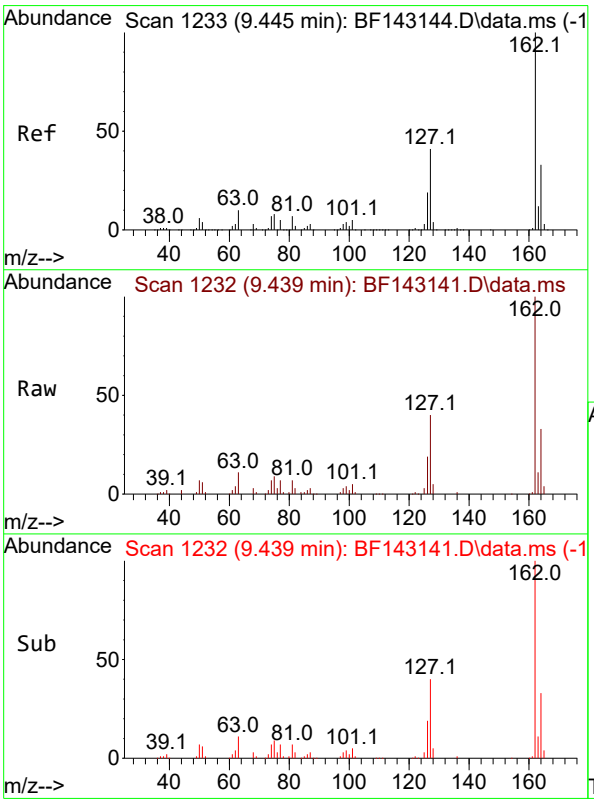
Ion	Ratio	Lower	Upper
154	100		
153	40.0	20.3	60.3
76	13.4	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

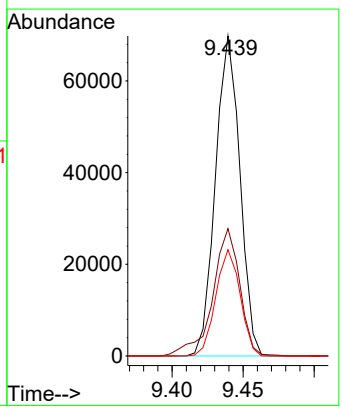


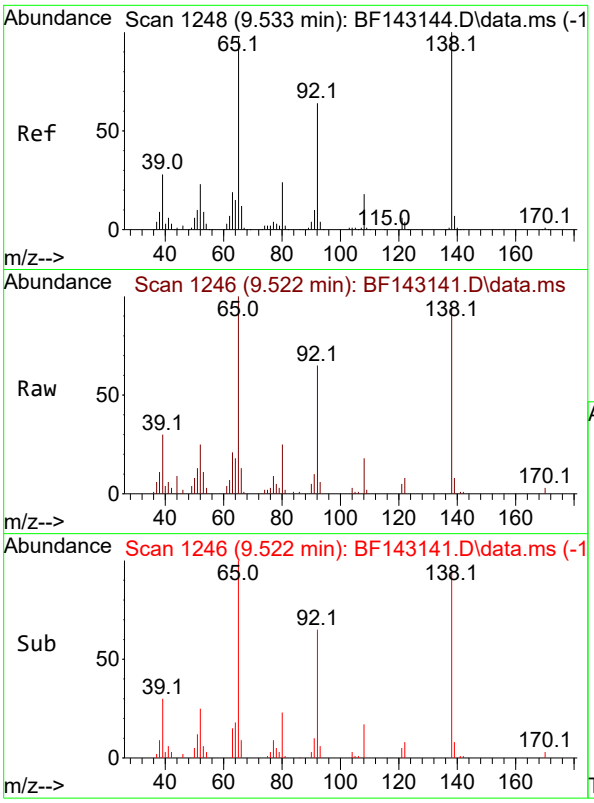


#47
2-Chloronaphthalene
Concen: 5.491 ng
RT: 9.439 min Scan# 1232
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

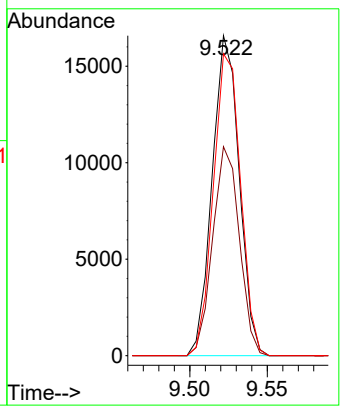
Tgt Ion: 65 Resp: 2007

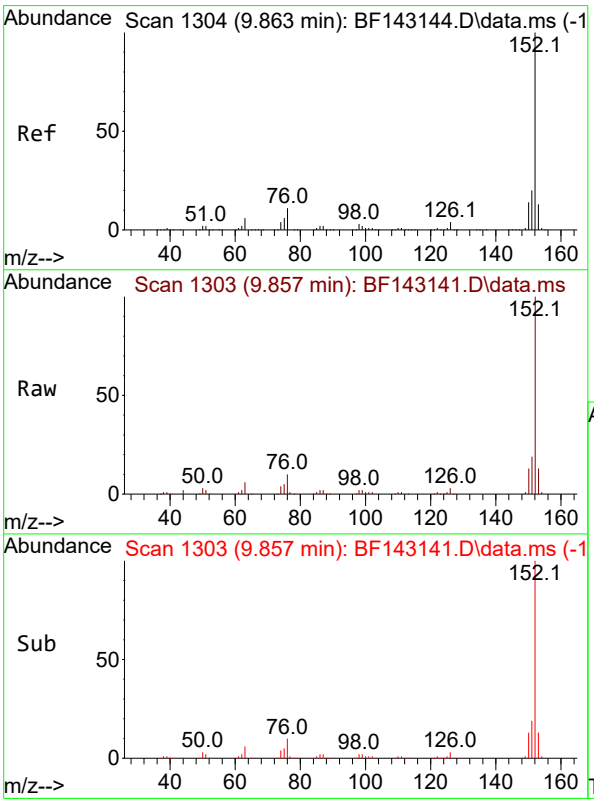
Ion	Ratio	Lower	Upper
65	100		
92	65.3	52.4	78.6
138	94.3	82.3	123.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

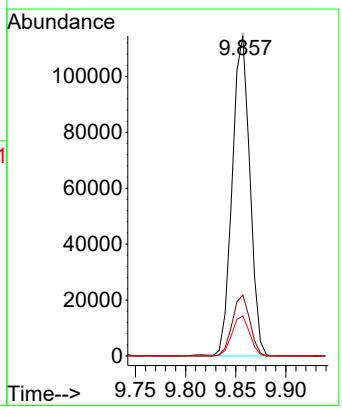


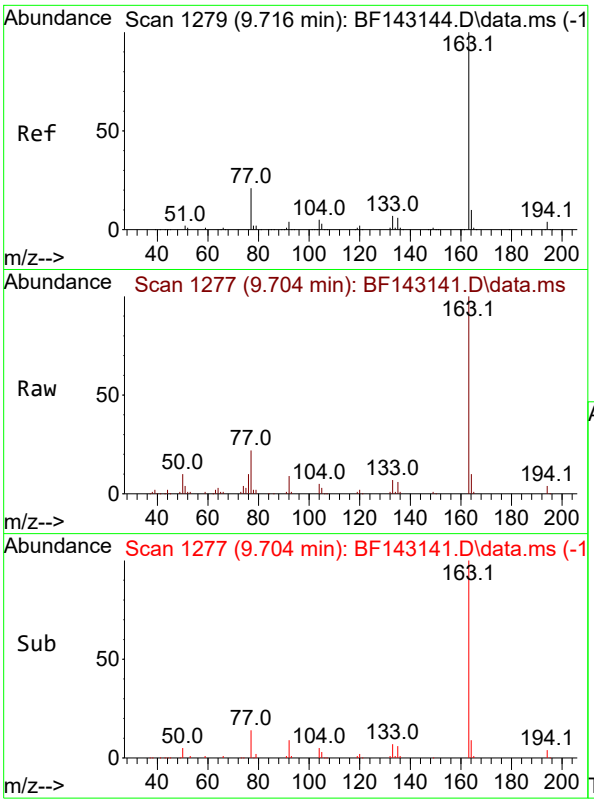


#49
Acenaphthylene
Concen: 5.514 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

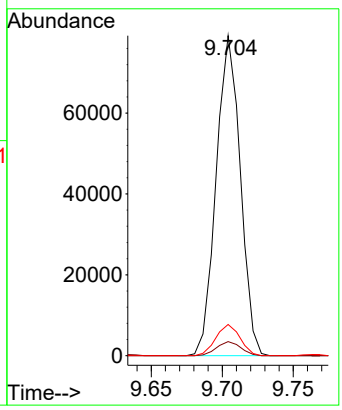
Tgt Ion:163 Resp: 9361

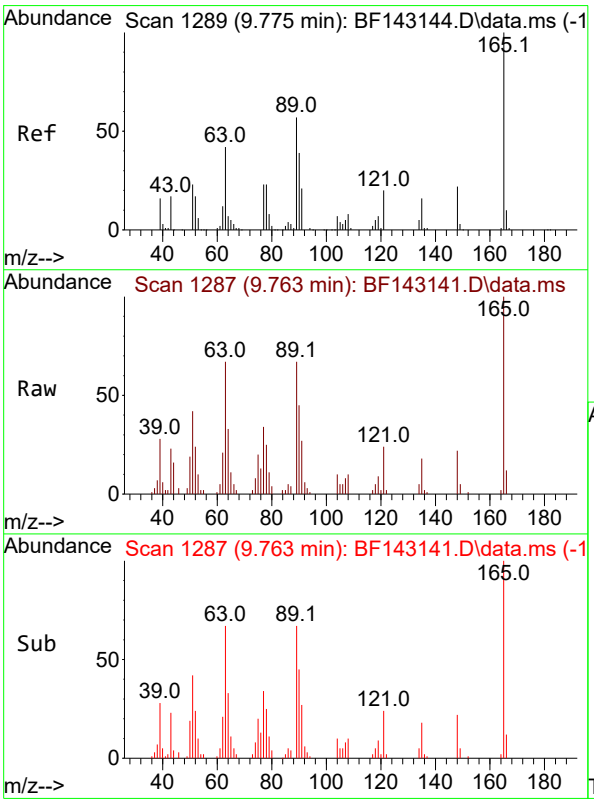
Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	9.8	8.3	12.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

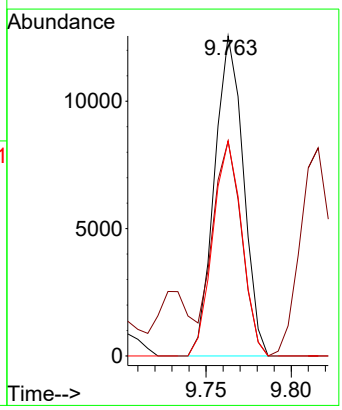


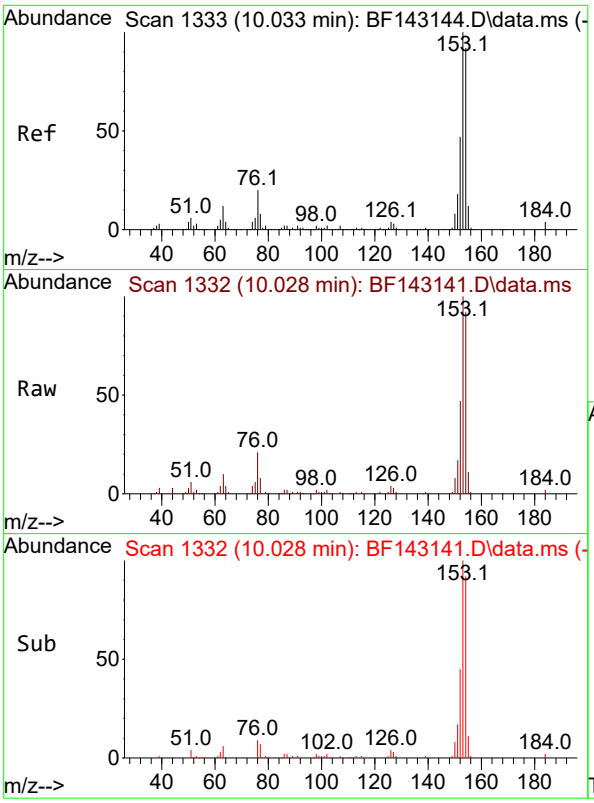


#51
2,6-Dinitrotoluene
Concen: 4.234 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

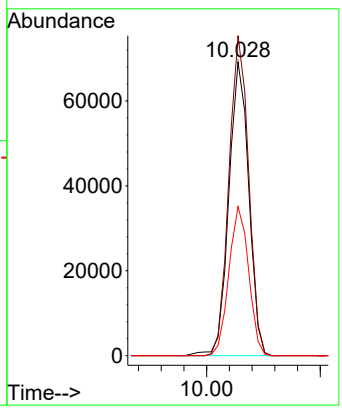
Tgt Ion:154 Resp: 8416

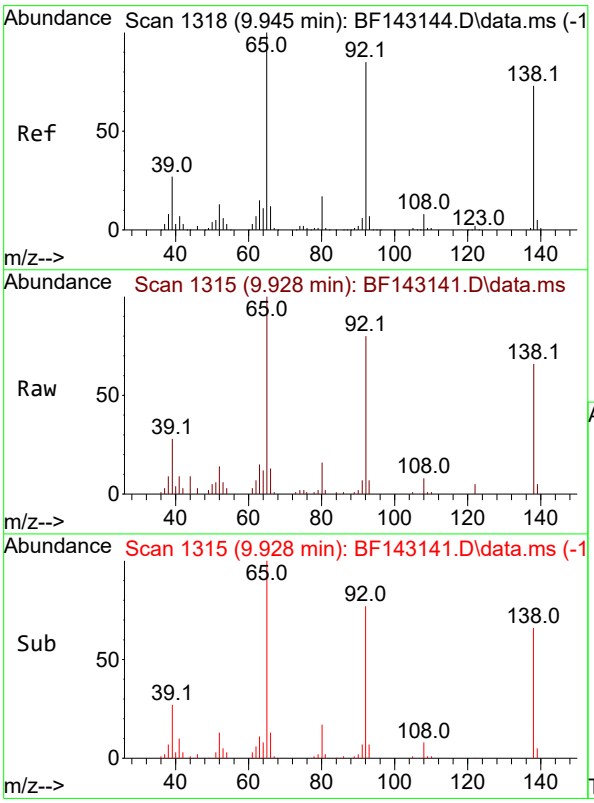
Ion	Ratio	Lower	Upper
154	100		
153	109.0	86.6	129.8
152	50.7	40.4	60.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

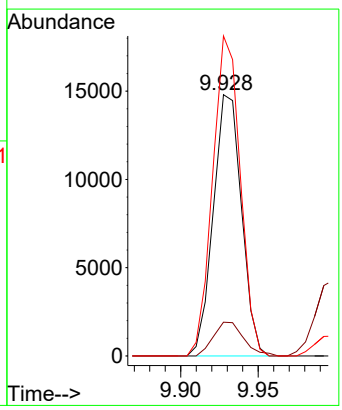


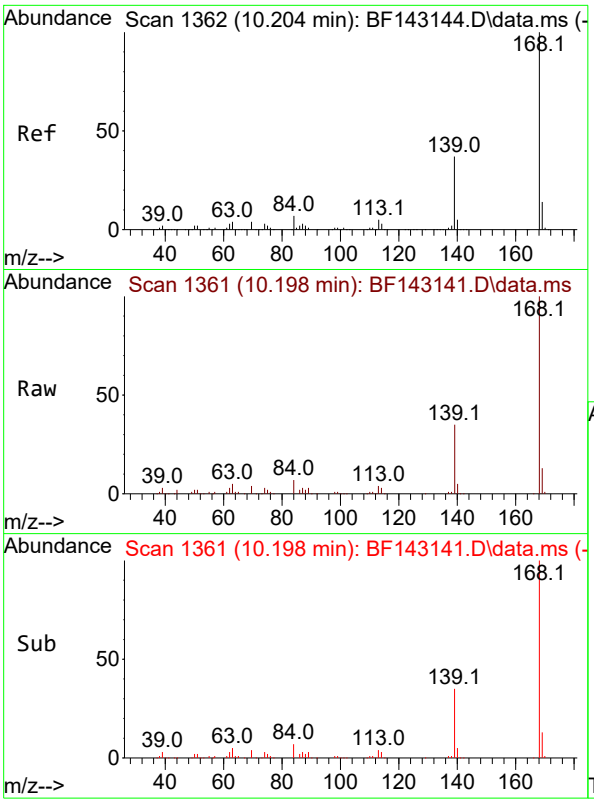


#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

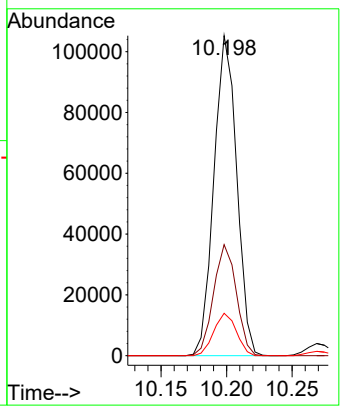
Tgt Ion:168 Resp: 12703

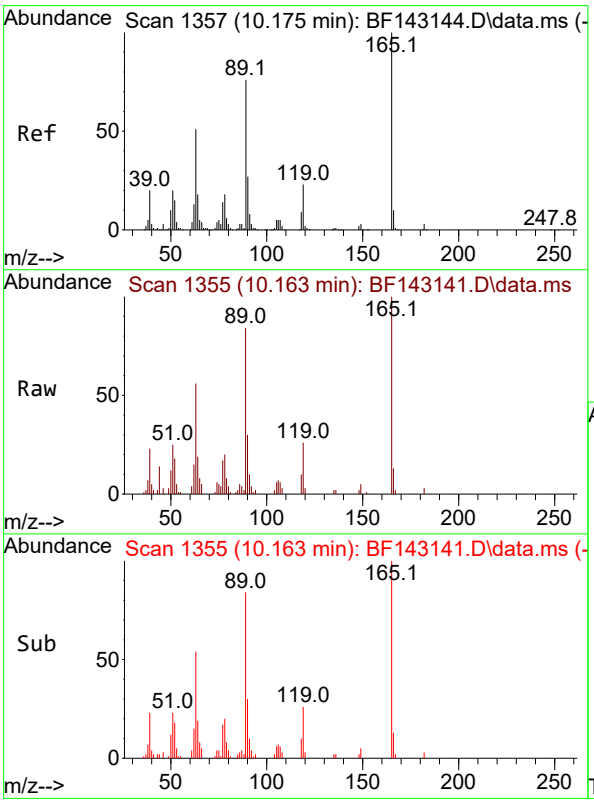
Ion	Ratio	Lower	Upper
168	100		
139	34.7	29.5	44.3
169	13.3	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

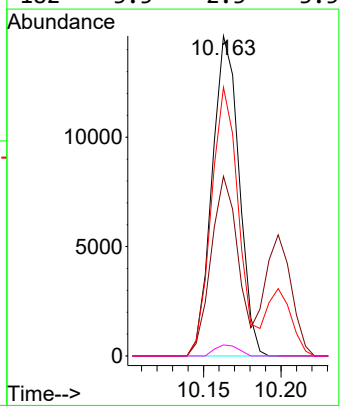


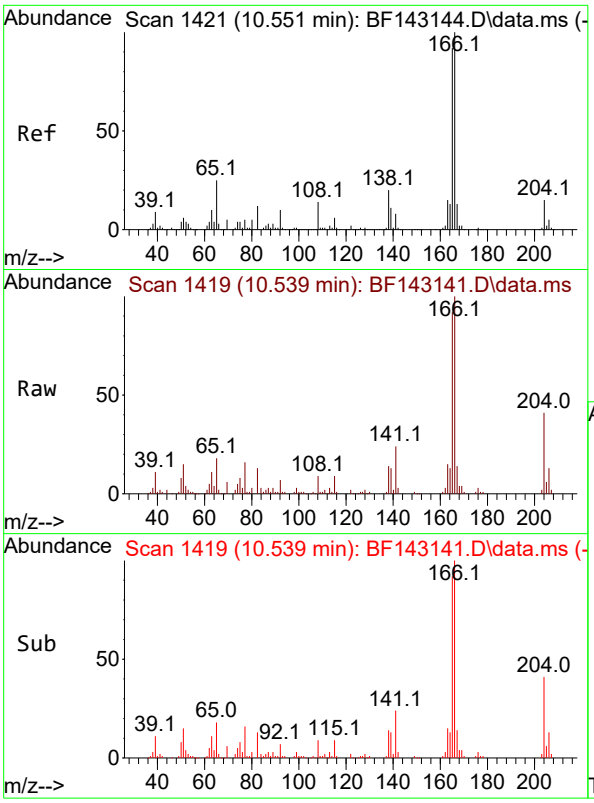


#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 10.163 min Scan# 1355
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

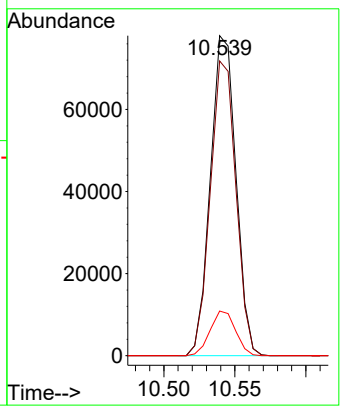
Tgt Ion:166 Resp: 9747

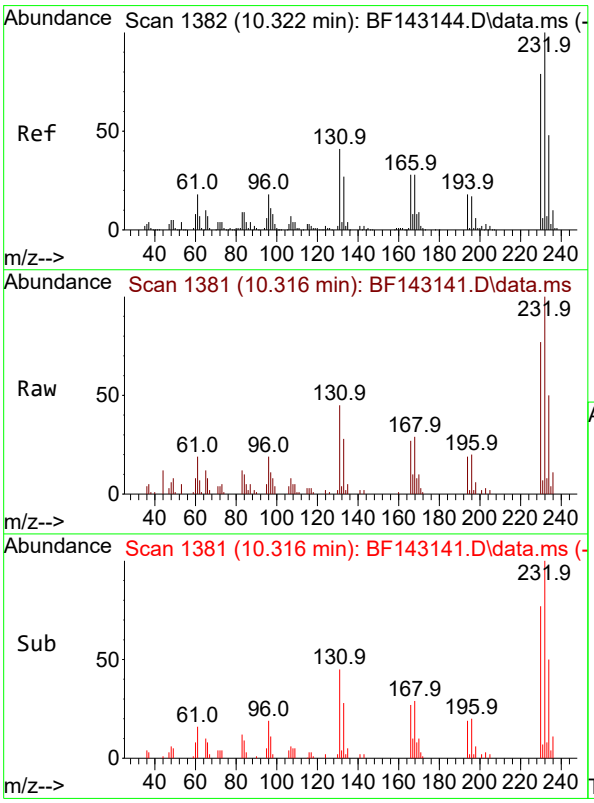
Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	14.0	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

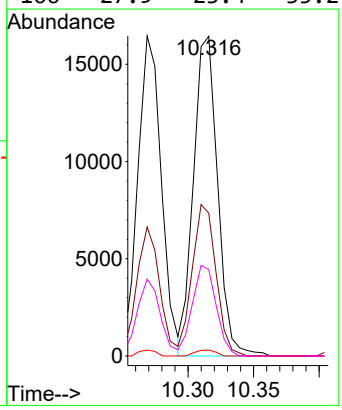


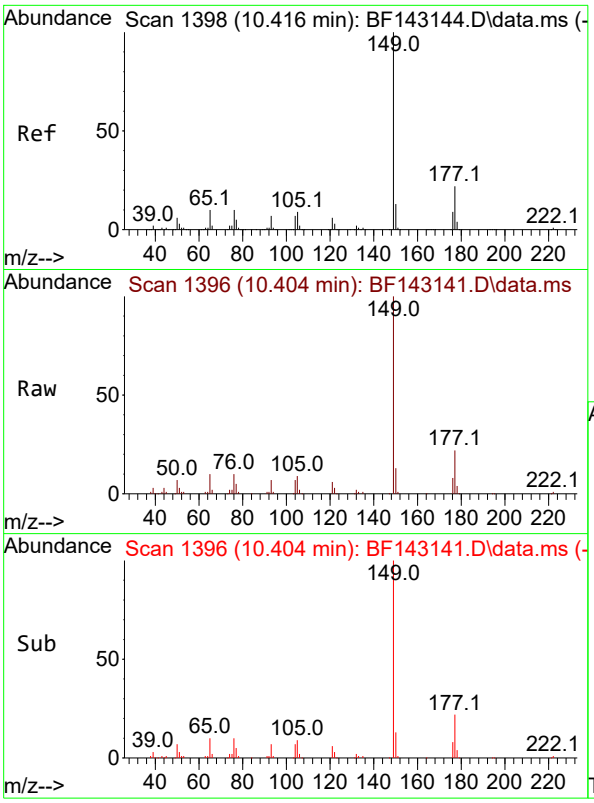


#59
2,3,4,6-Tetrachlorophenol
Concen: 4.840 ng
RT: 10.316 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

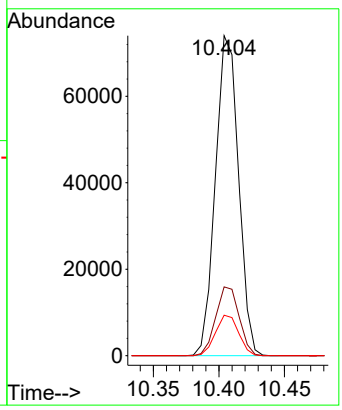
Tgt Ion:149 Resp: 9065

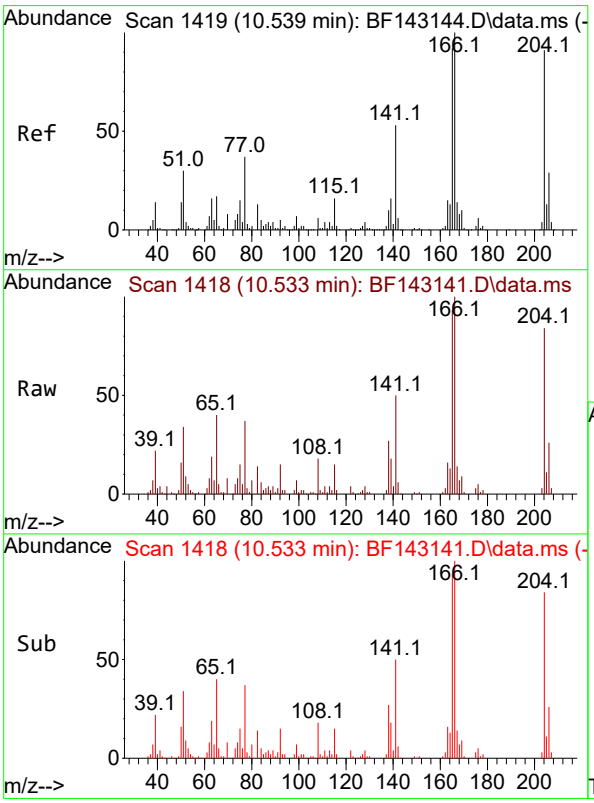
Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.5	26.3
150	12.7	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

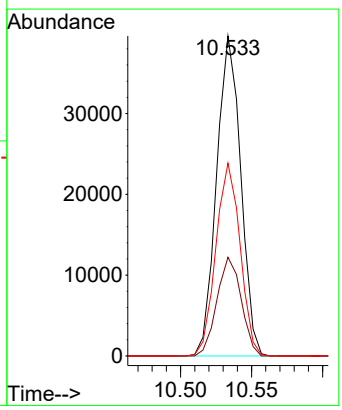


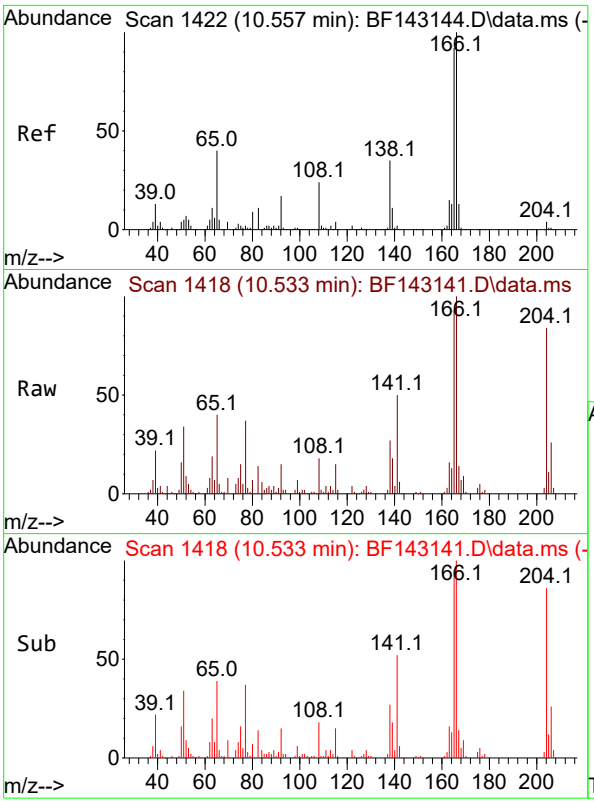


#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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# 1
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

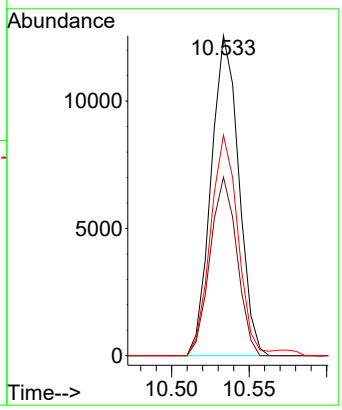
Tgt Ion:138 Resp: 1556

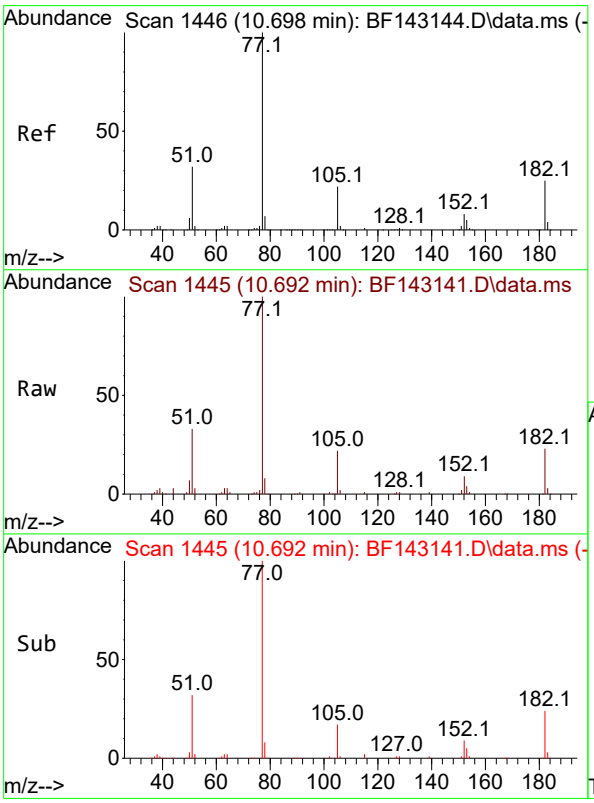
Ion	Ratio	Lower	Upper
138	100		
92	55.8	29.3	69.3
108	68.9	48.3	88.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

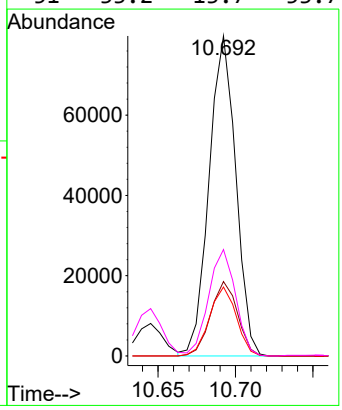


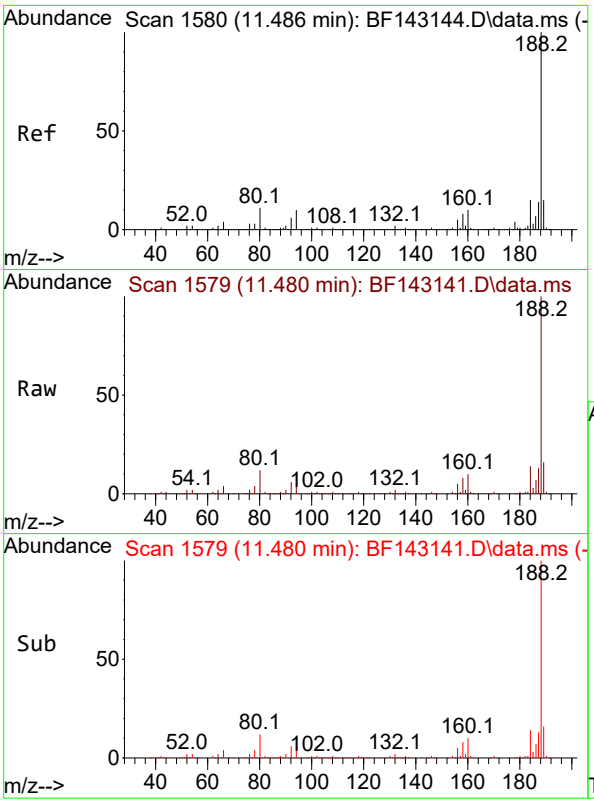


#63
Azobenzene
Concen: 5.405 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

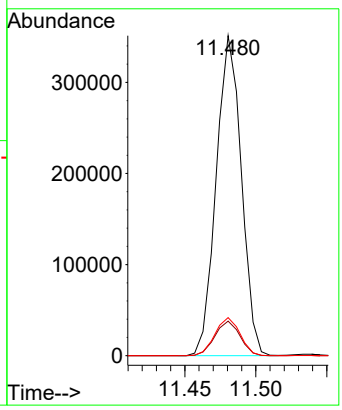
Tgt Ion:188 Resp: 43232

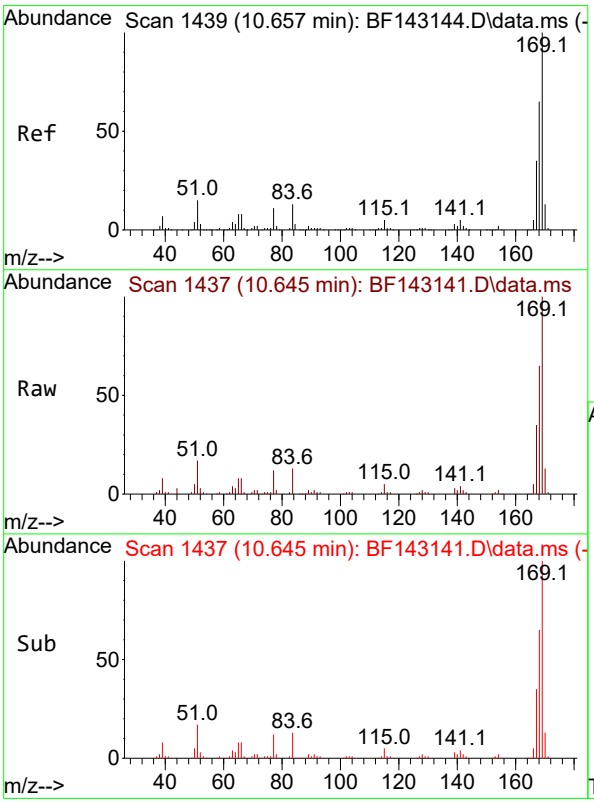
Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.9	9.0	13.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

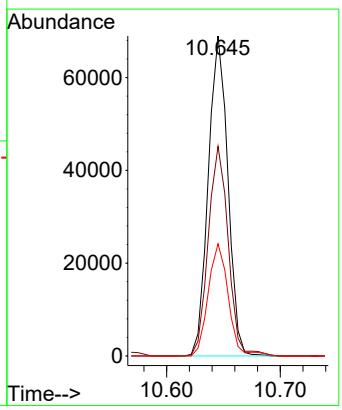


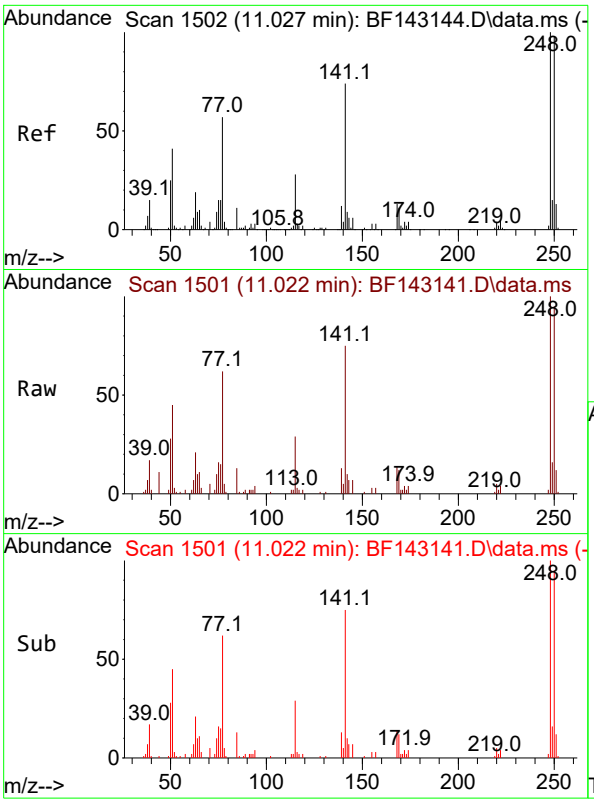


#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

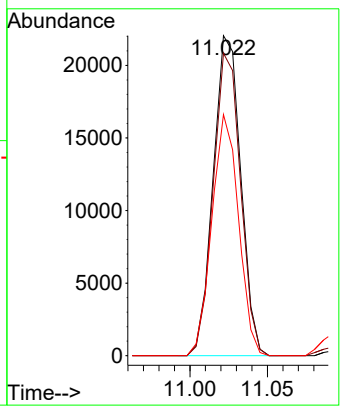
Tgt Ion:248 Resp: 2725

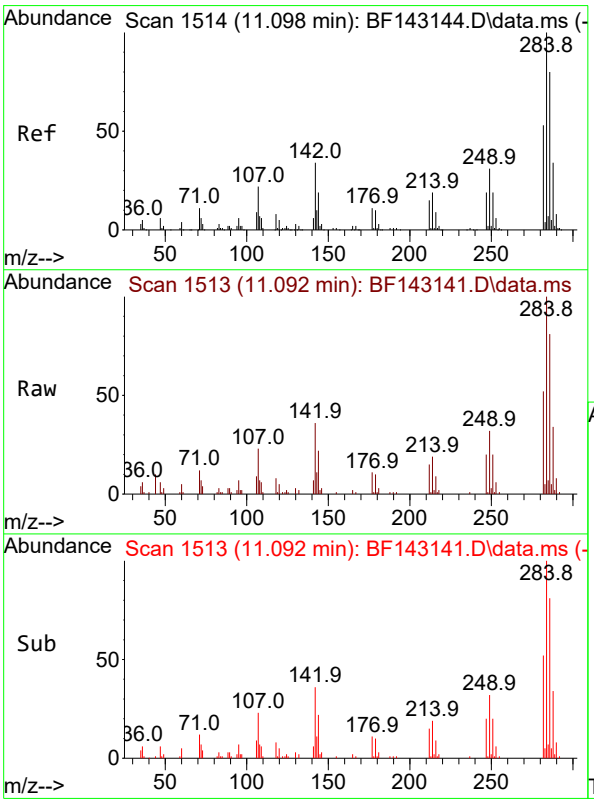
Ion	Ratio	Lower	Upper
248	100		
250	94.5	78.3	117.5
141	75.4	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

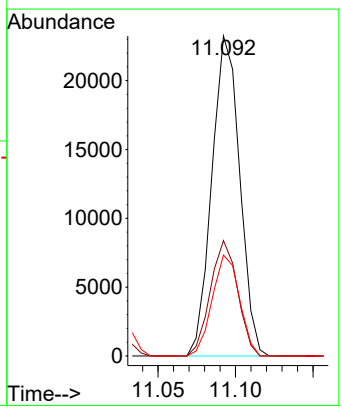


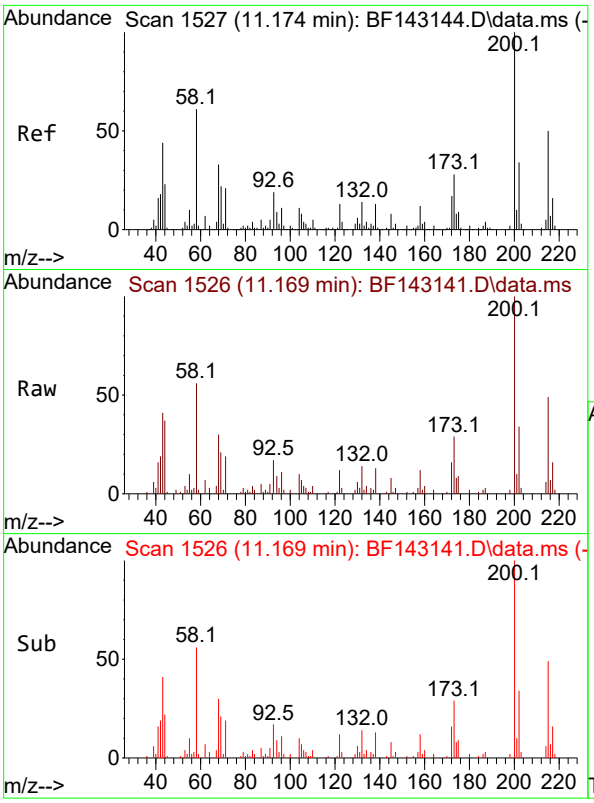


#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

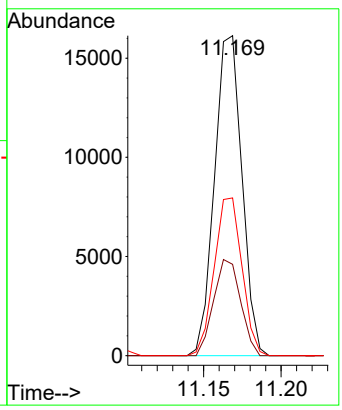
Tgt Ion:200 Resp: 1986

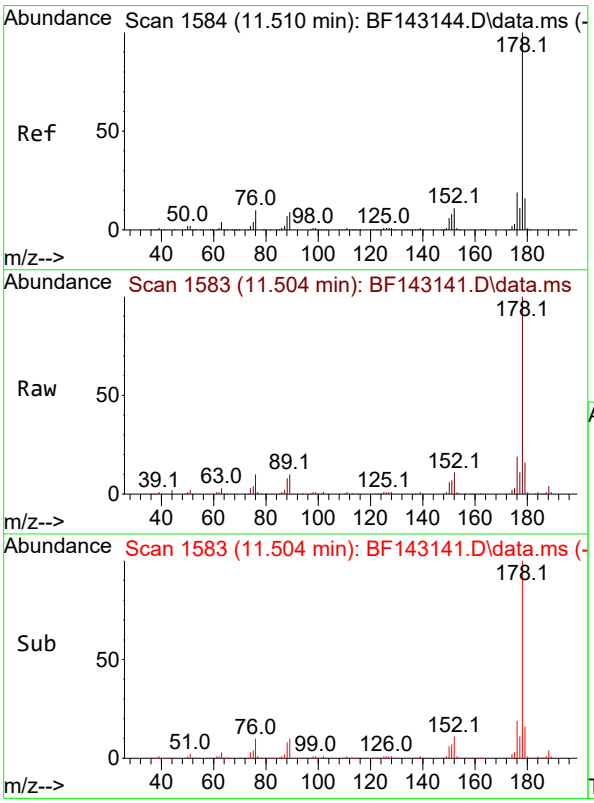
Ion	Ratio	Lower	Upper
200	100		
173	28.5	7.9	47.9
215	49.3	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

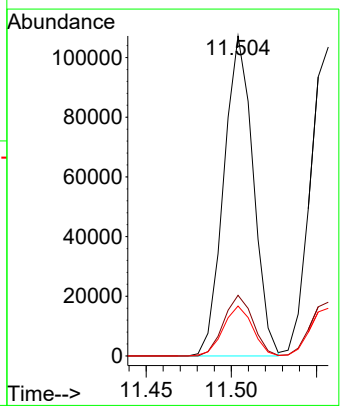


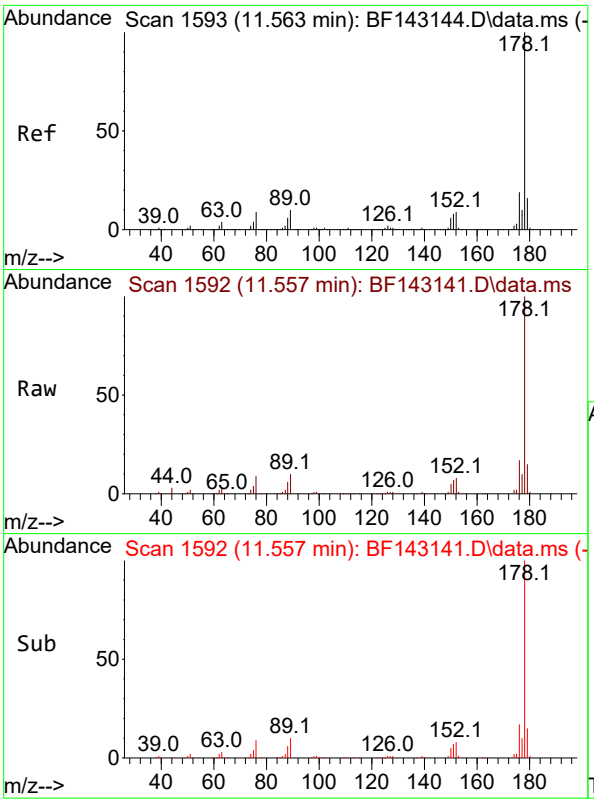


#71
Phenanthrene
Concen: 5.609 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

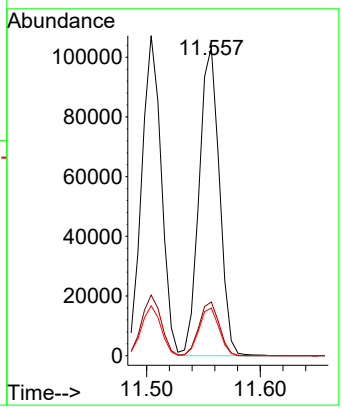
Tgt Ion:178 Resp: 12793

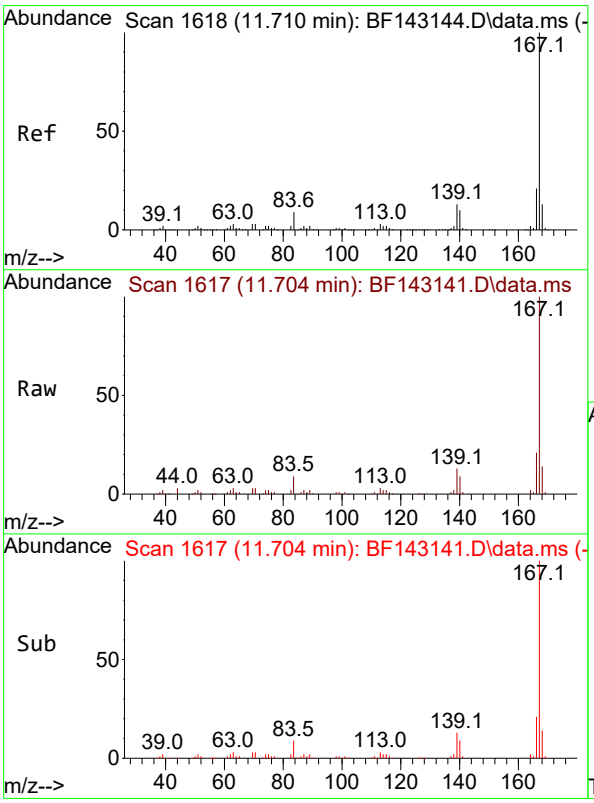
Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.0	22.4
179	15.4	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

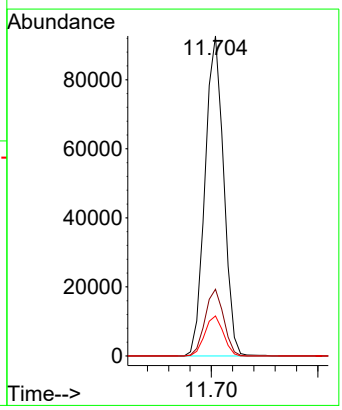


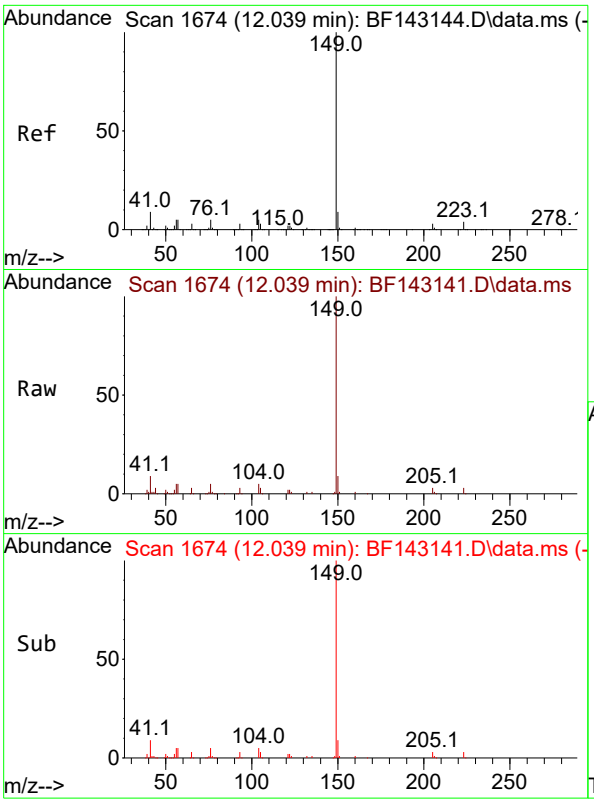


#73
Carbazole
Concen: 5.507 ng
RT: 11.704 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

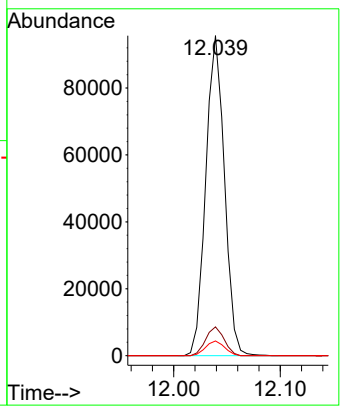
Tgt Ion:149 Resp: 11629

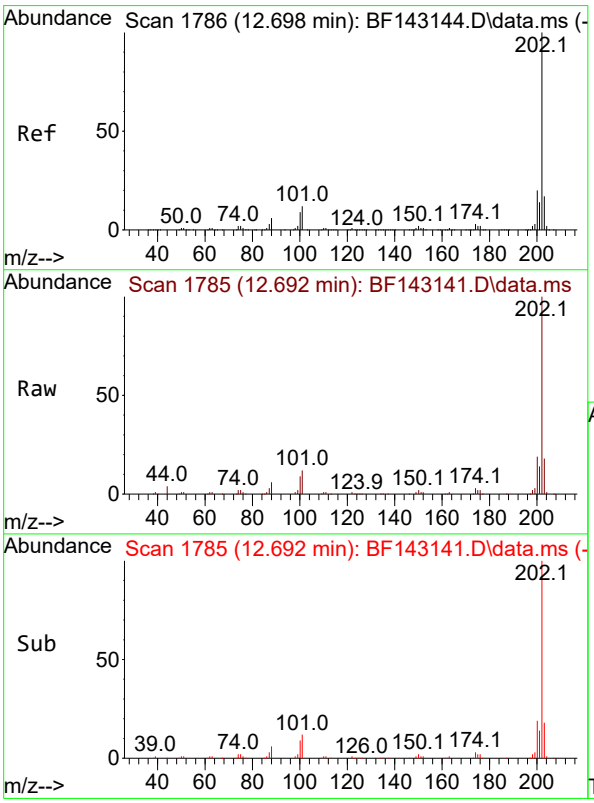
Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.6	3.8	5.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

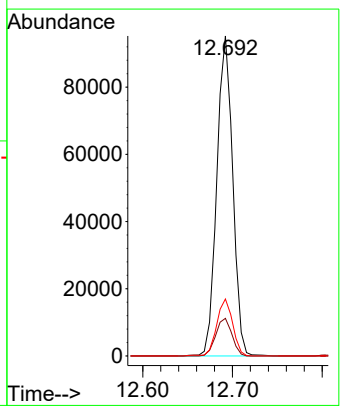


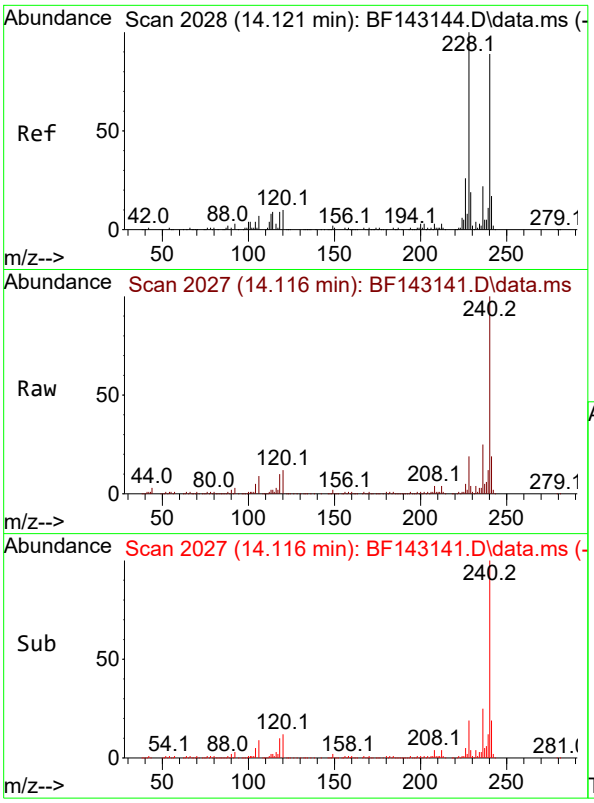


#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

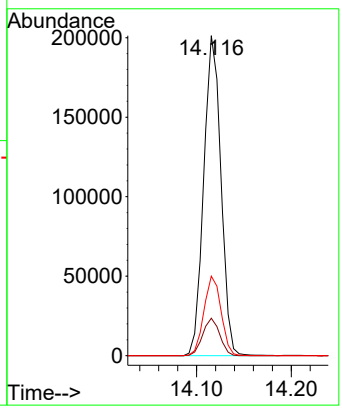
Tgt Ion:240 Resp: 25300

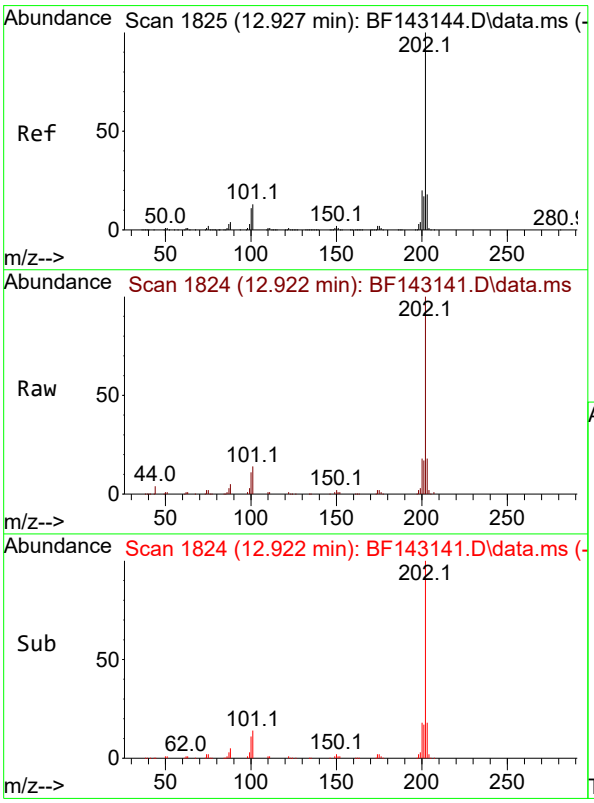
Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.4	14.2
236	24.9	20.2	30.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

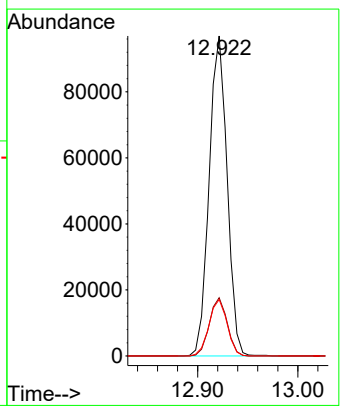


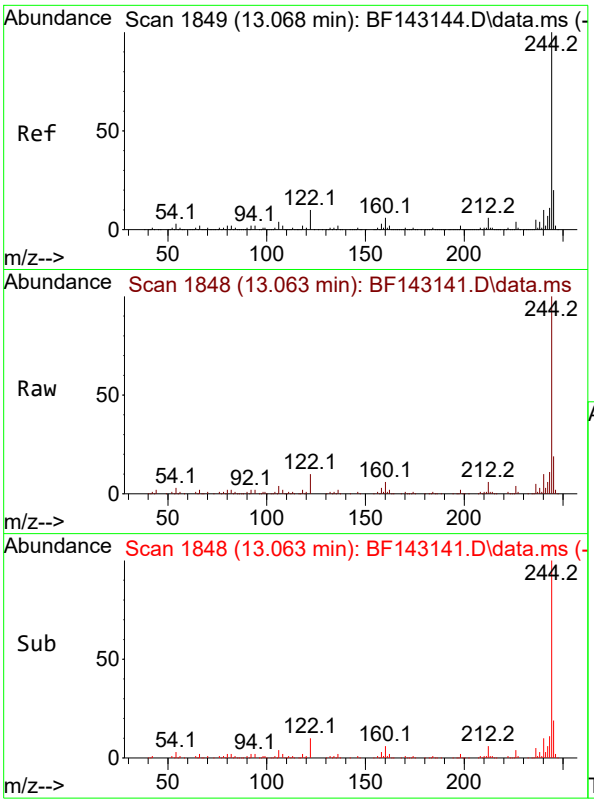


#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

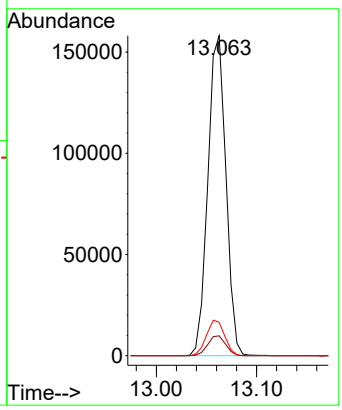
Tgt Ion:244 Resp: 19816

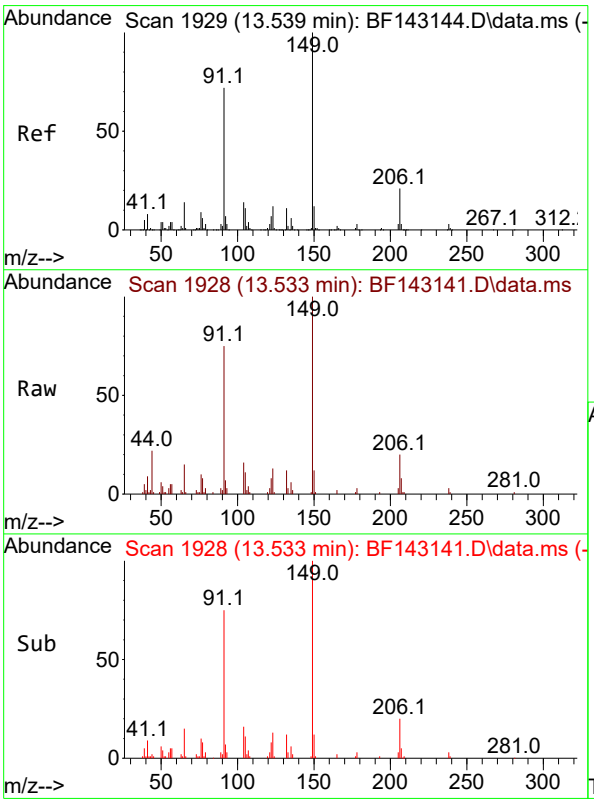
Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.2	7.8
122	10.5	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

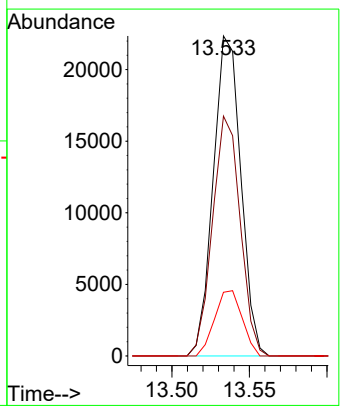


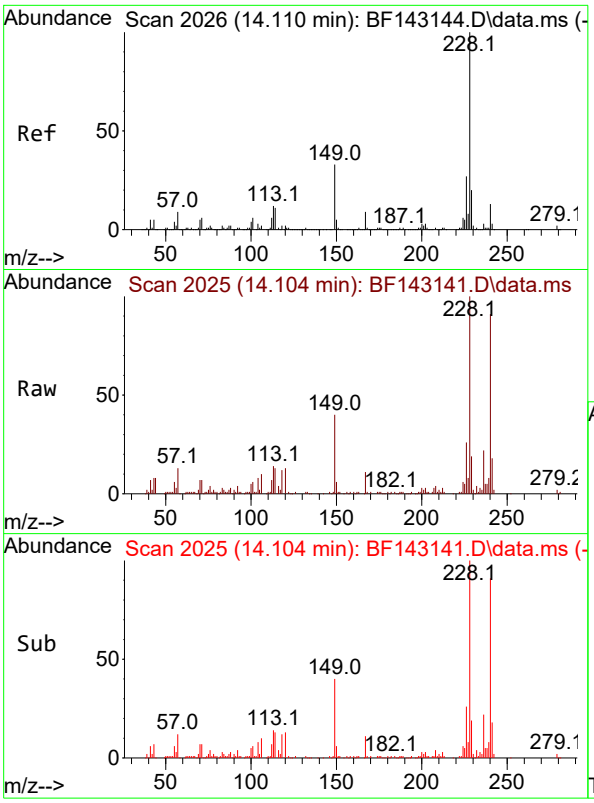


#80
Butylbenzylphthalate
Concen: 4.189 ng
RT: 13.533 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

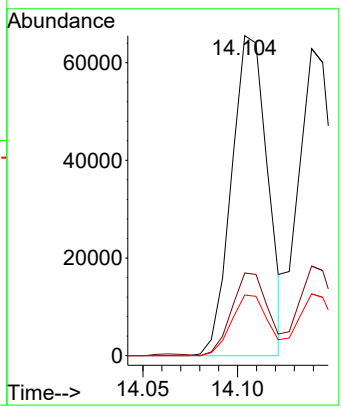
Tgt Ion:228 Resp: 8692(

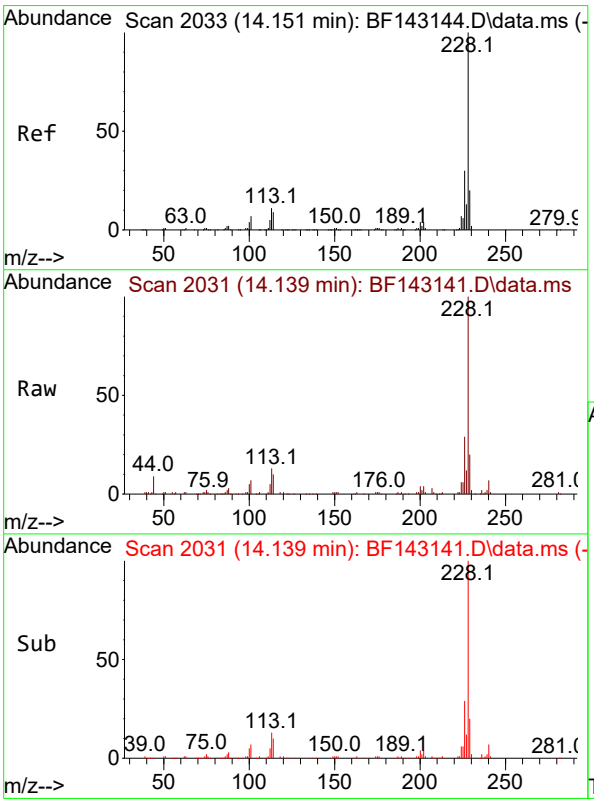
Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.7	32.5
229	19.0	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

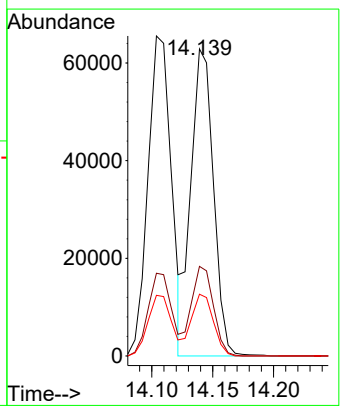


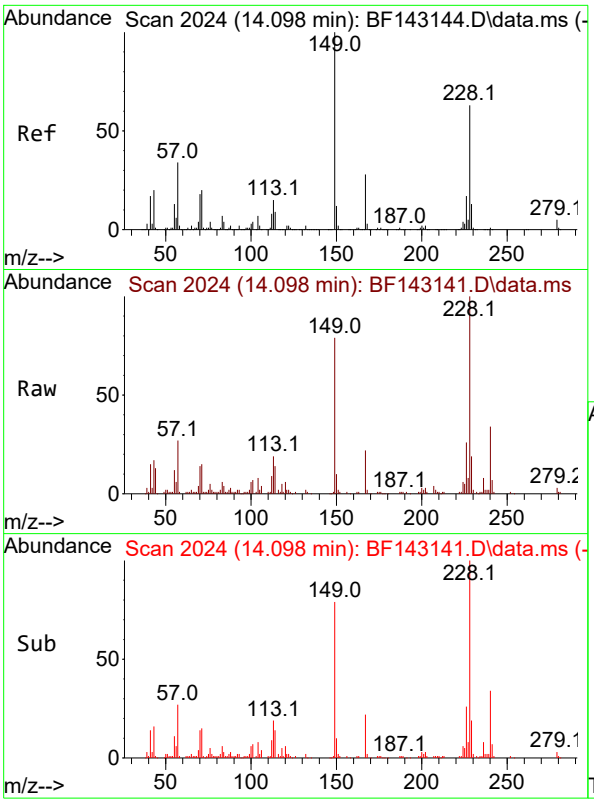


#83
Chrysene
Concen: 5.325 ng
RT: 14.139 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

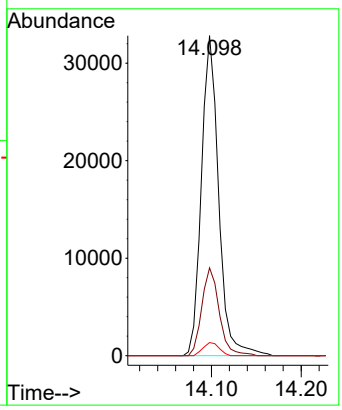
Tgt Ion:149 Resp: 4373

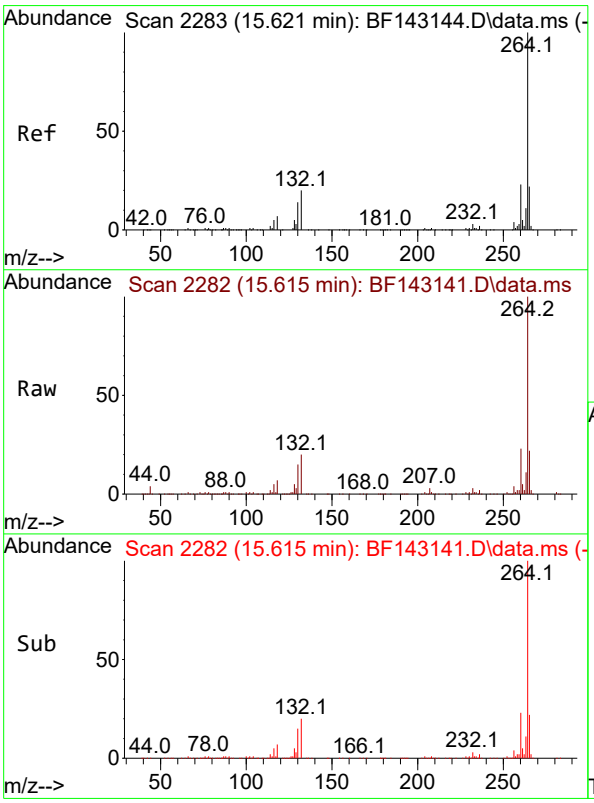
Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.3	33.5
279	4.1	3.6	5.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

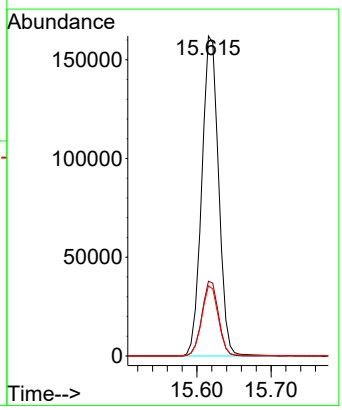


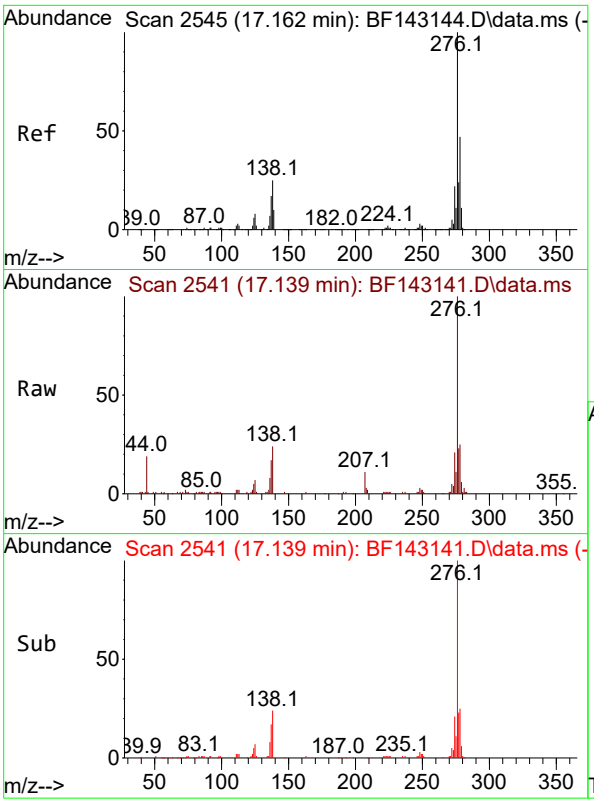


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

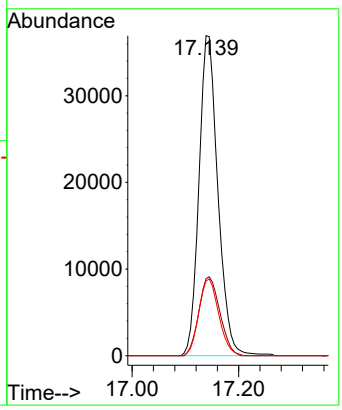
Tgt Ion:276 Resp: 9107

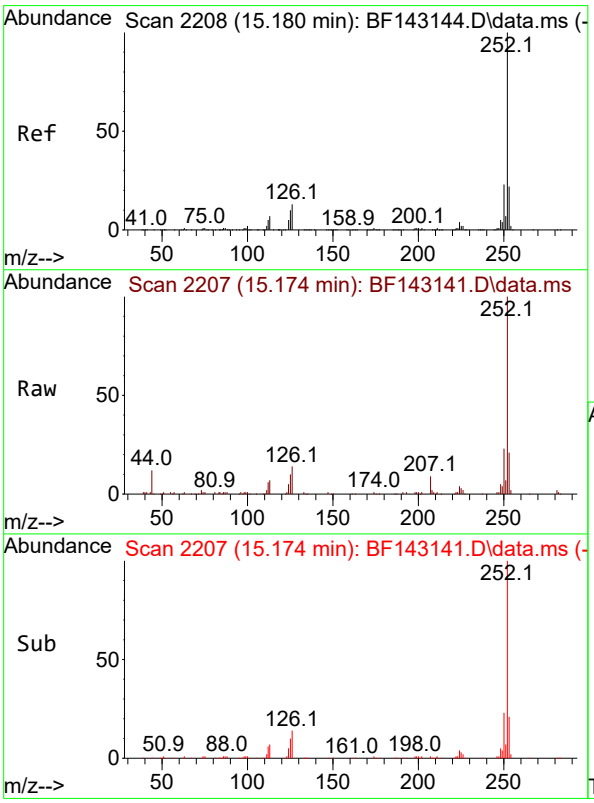
Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	25.2	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

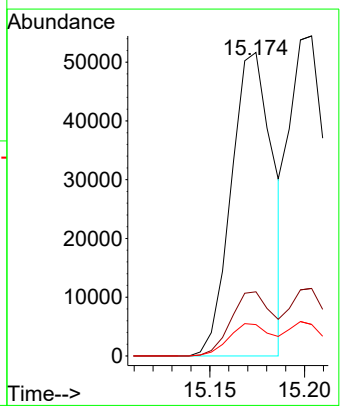


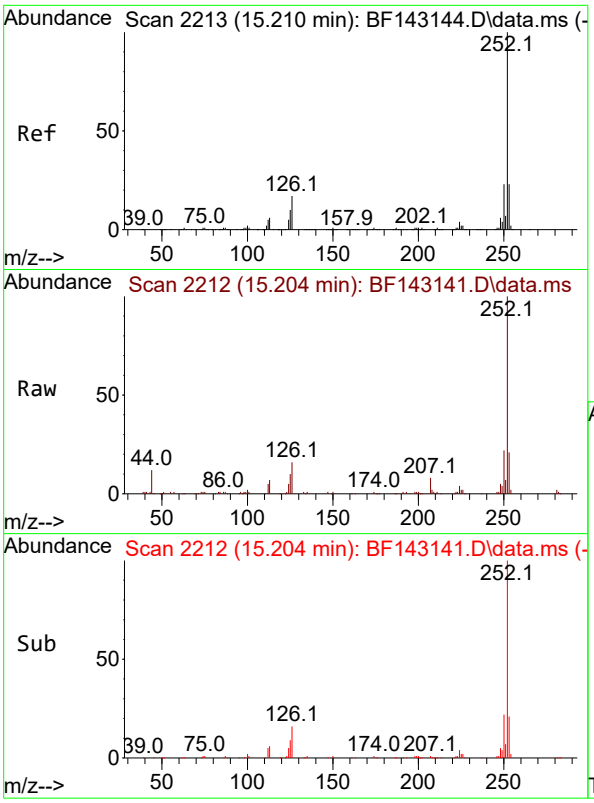


#88
Benzo(b)fluoranthene
Concen: 5.037 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

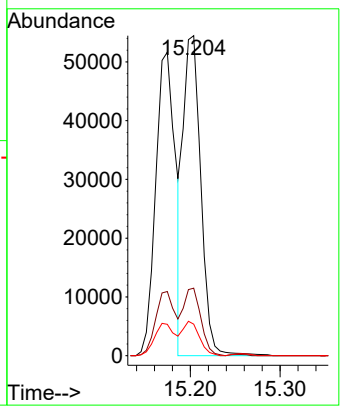
Tgt Ion:252 Resp: 7473

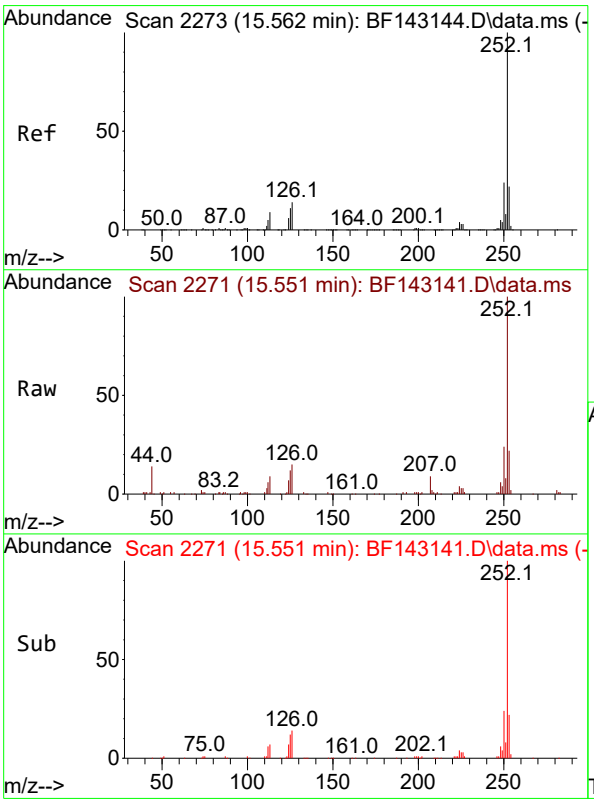
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.8	26.6
125	9.9	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

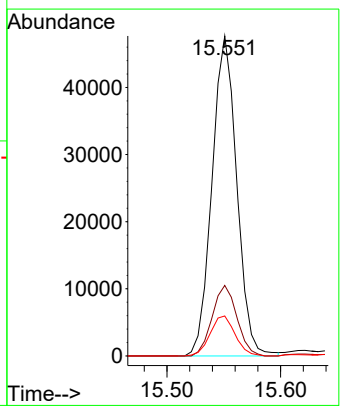


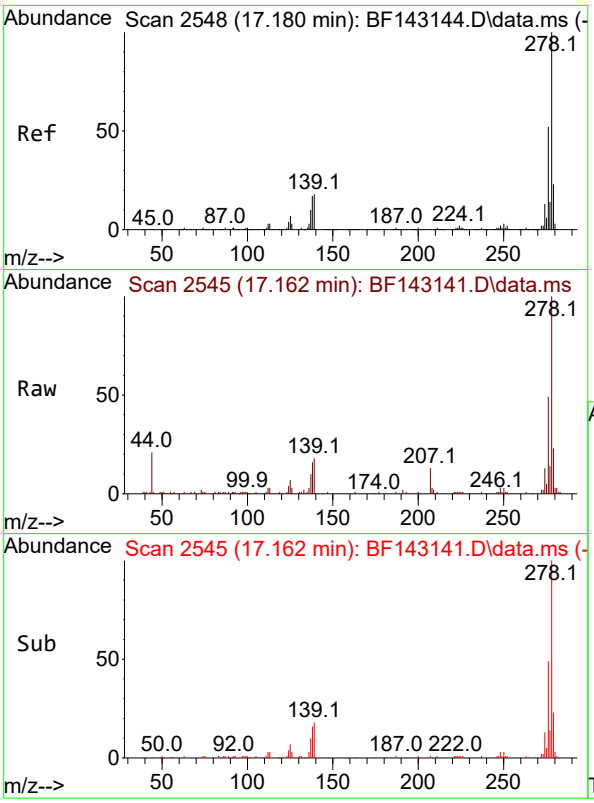


#90
Benzo(a)pyrene
Concen: 5.012 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

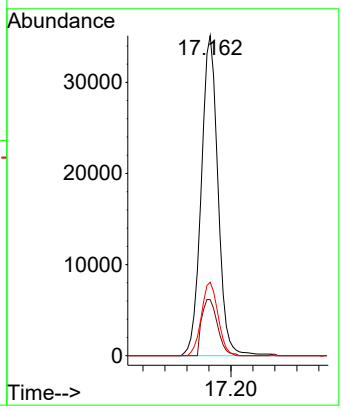
Tgt Ion:278 Resp: 7412

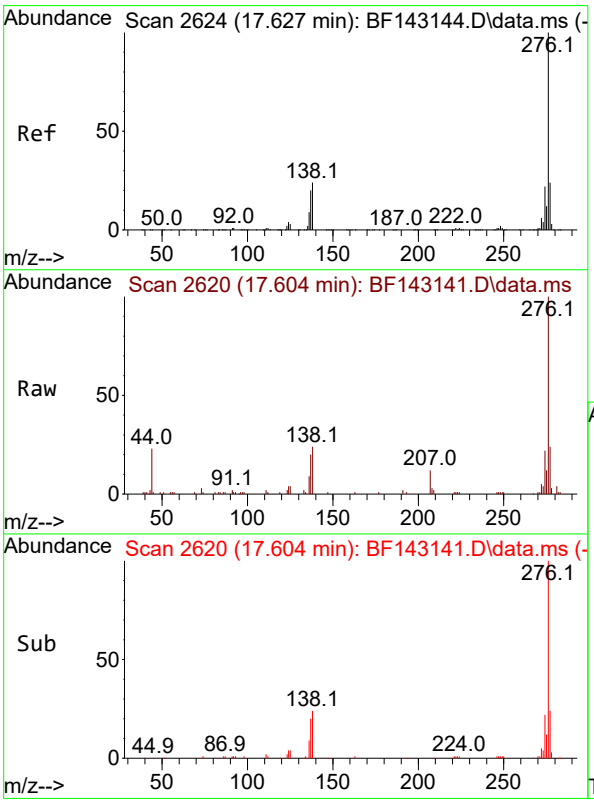
Ion	Ratio	Lower	Upper
278	100		
139	17.5	14.1	21.1
279	22.9	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

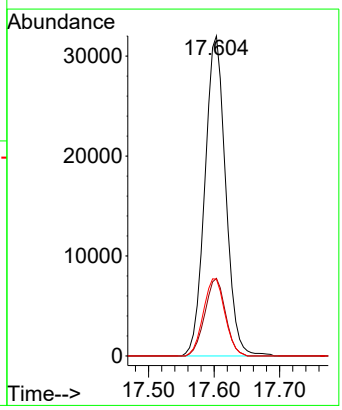




#92
Benzo(g,h,i)perylene
Concen: 4.955 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



Quantitation Report (QT Reviewed)

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)
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

Quantitation Report (QT Reviewed)

ICAL Form

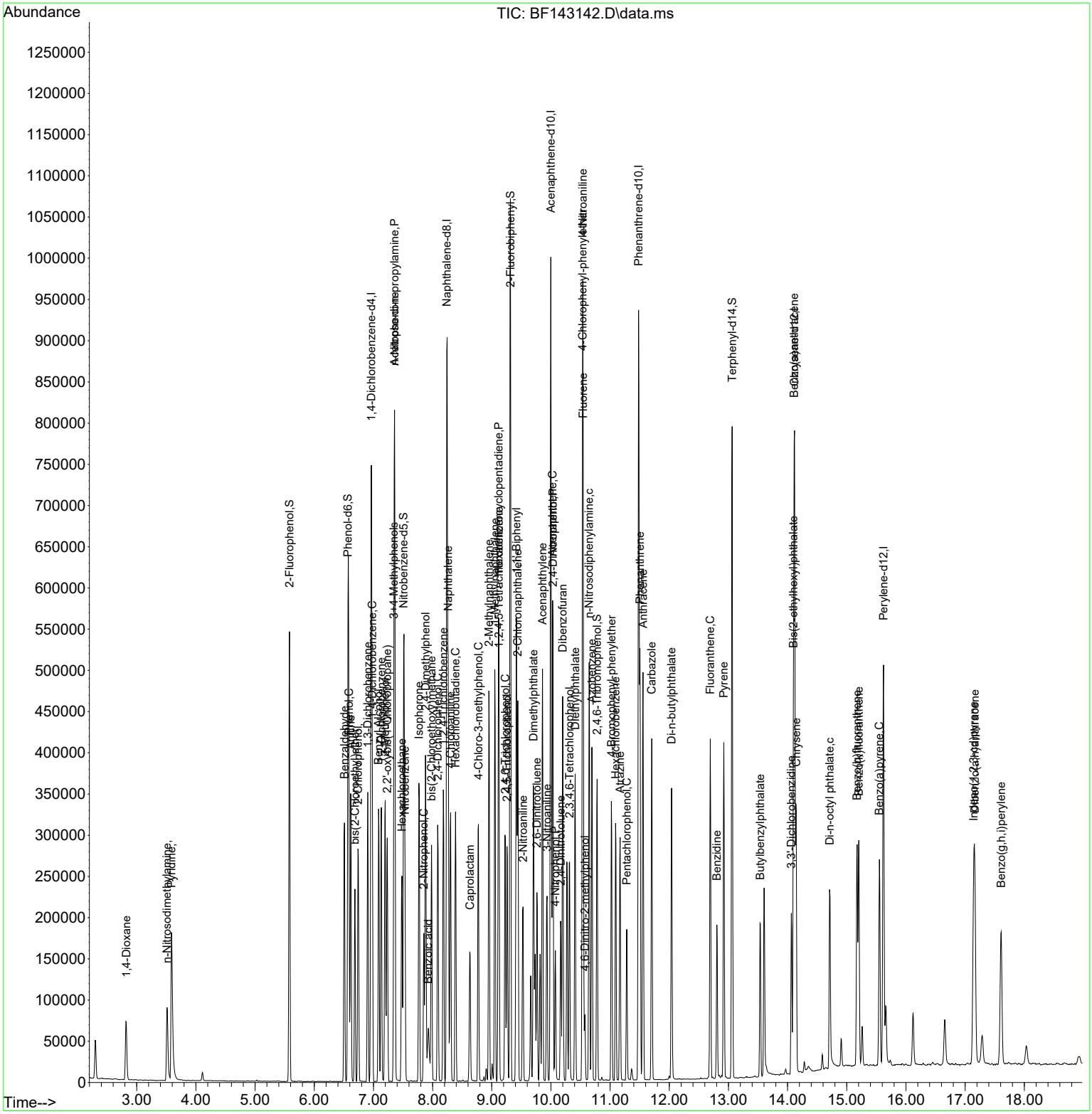
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143142.D
Acq On : 17 Jul 2025 12:04
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 5 Sample Multiplier: 1

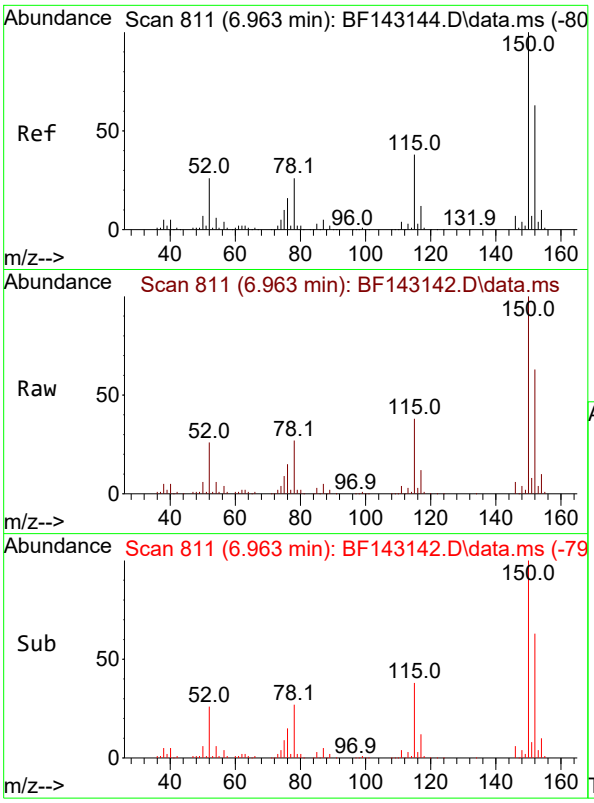
Quant Time: Jul 17 15:01:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025





#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

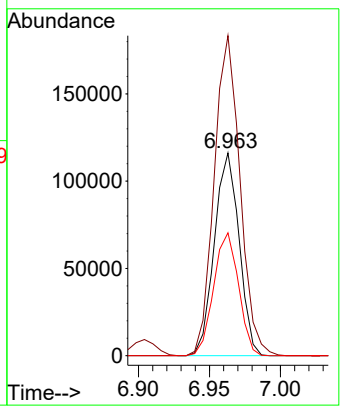
Tgt Ion:152 Resp: 14041

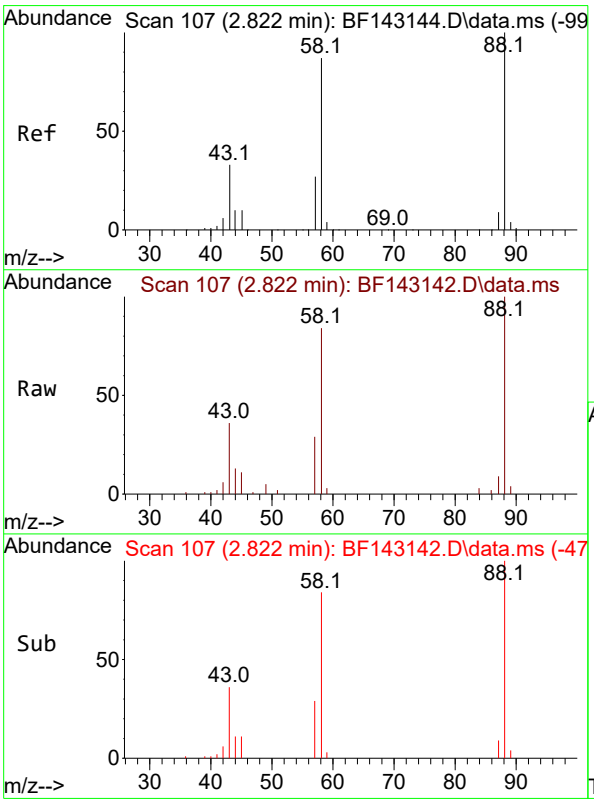
Ion	Ratio	Lower	Upper
152	100		
150	157.8	128.2	192.4
115	60.6	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

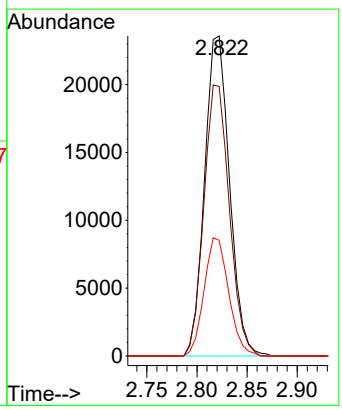


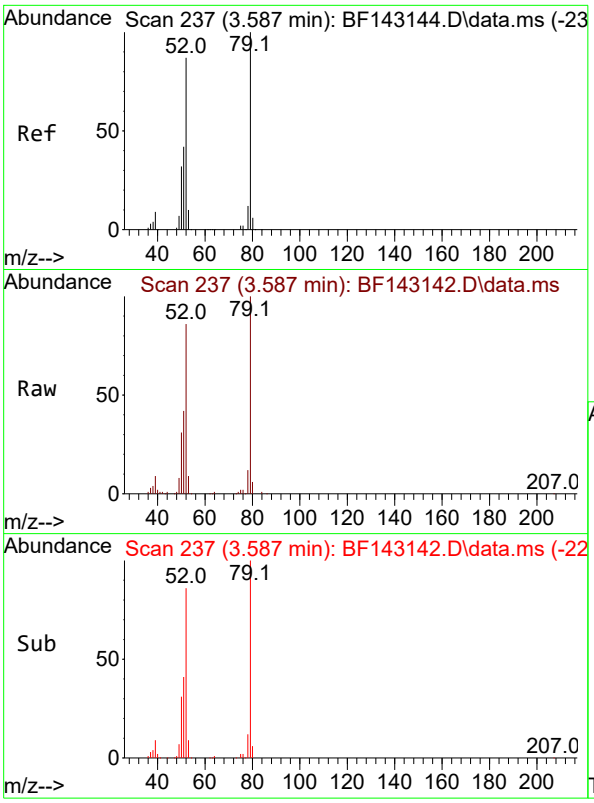


#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

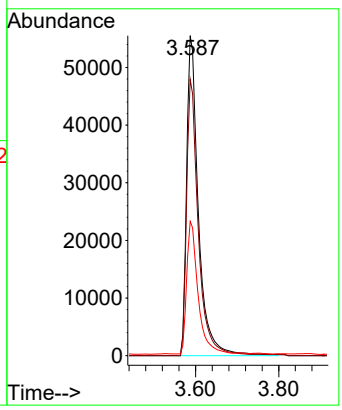
Tgt Ion: 79 Resp: 10931

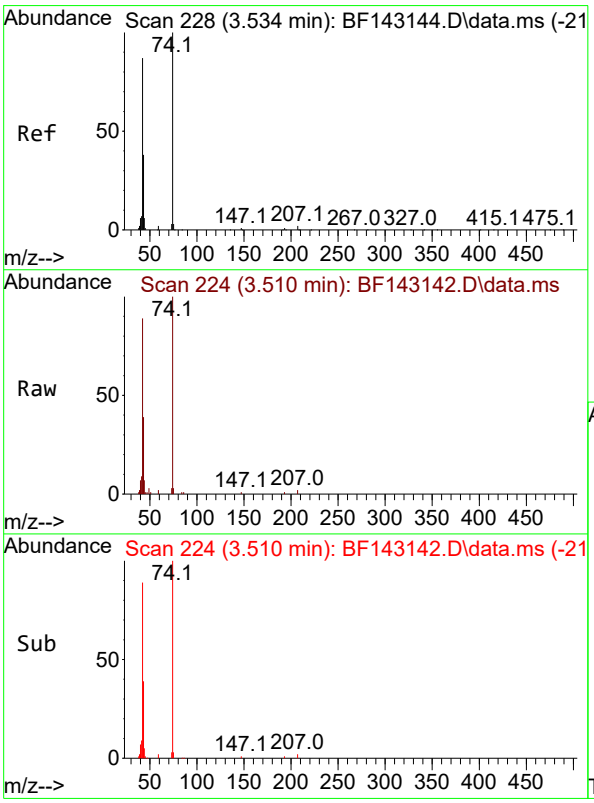
Ion	Ratio	Lower	Upper
79	100		
52	86.3	69.4	104.2
51	42.0	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

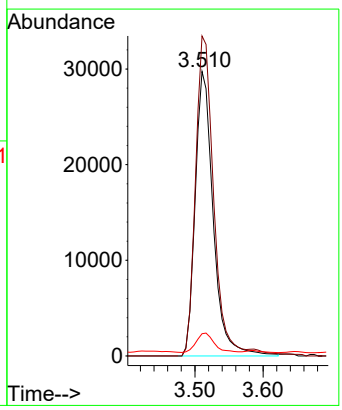


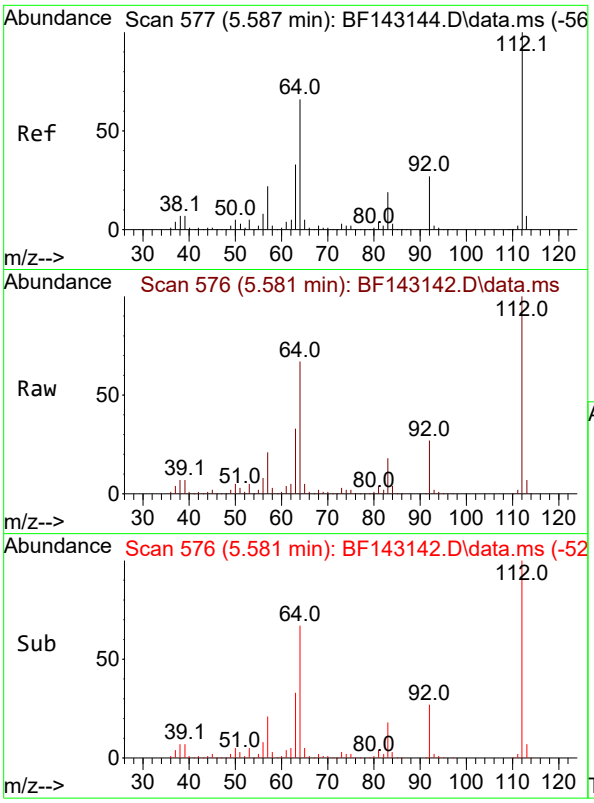


#4
n-Nitrosodimethylamine
Concen: 9.684 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

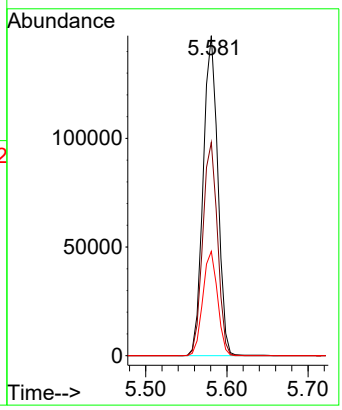
Tgt Ion:112 Resp: 18436

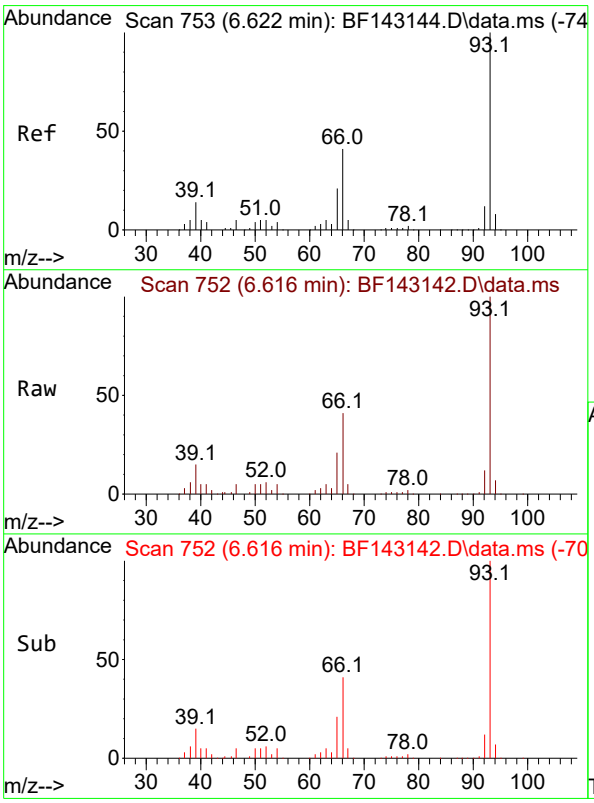
Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	32.6	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

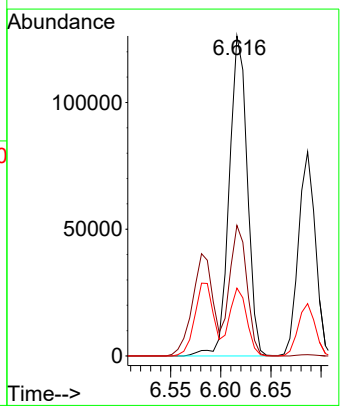


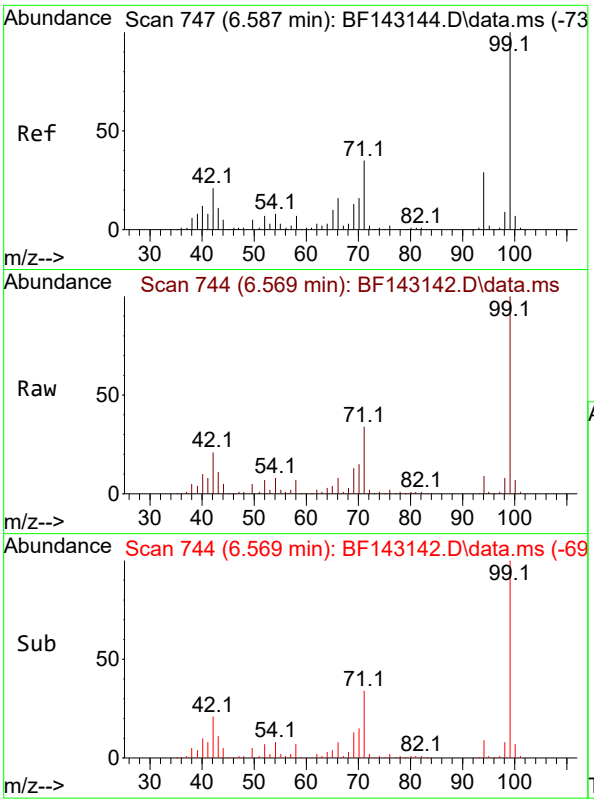


#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

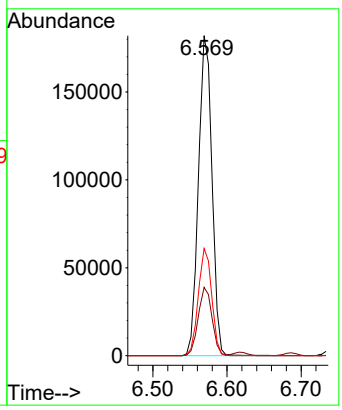
Tgt Ion: 99 Resp: 23020

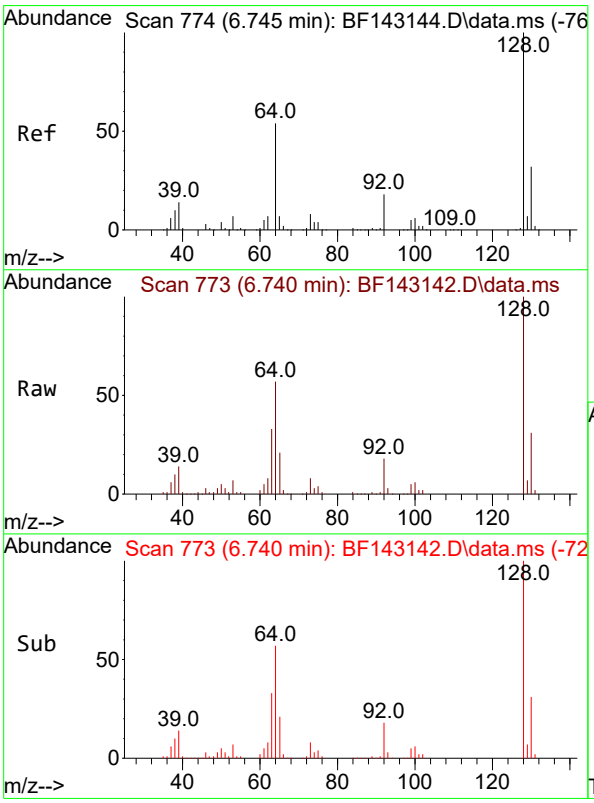
Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	33.5	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

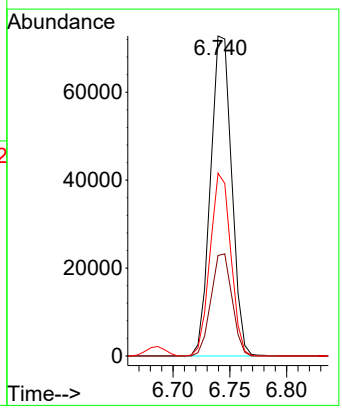


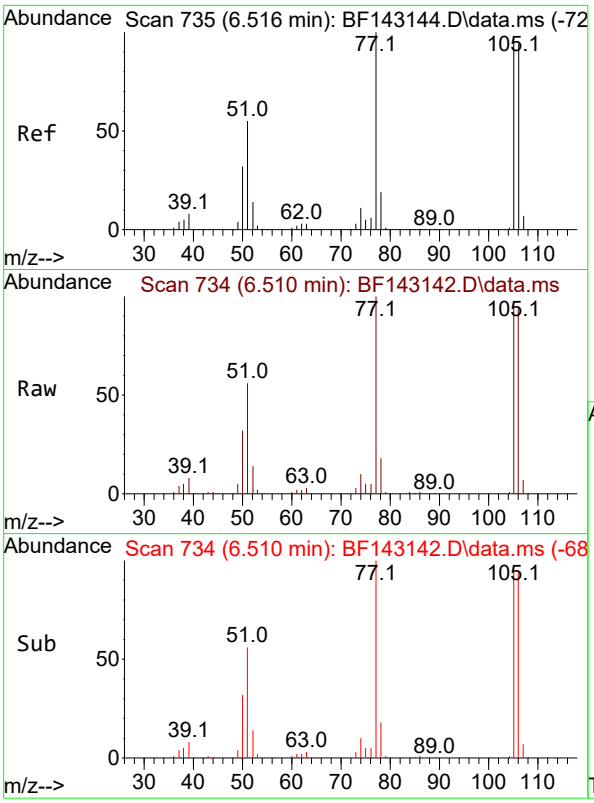


#8
2-Chlorophenol
Concen: 10.135 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

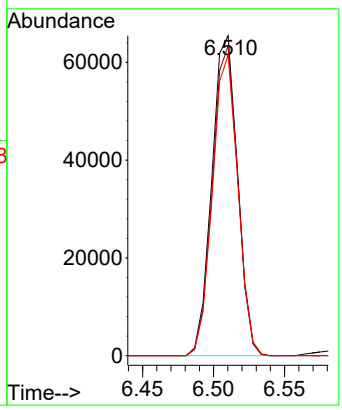
Tgt Ion: 77 Resp: 8189

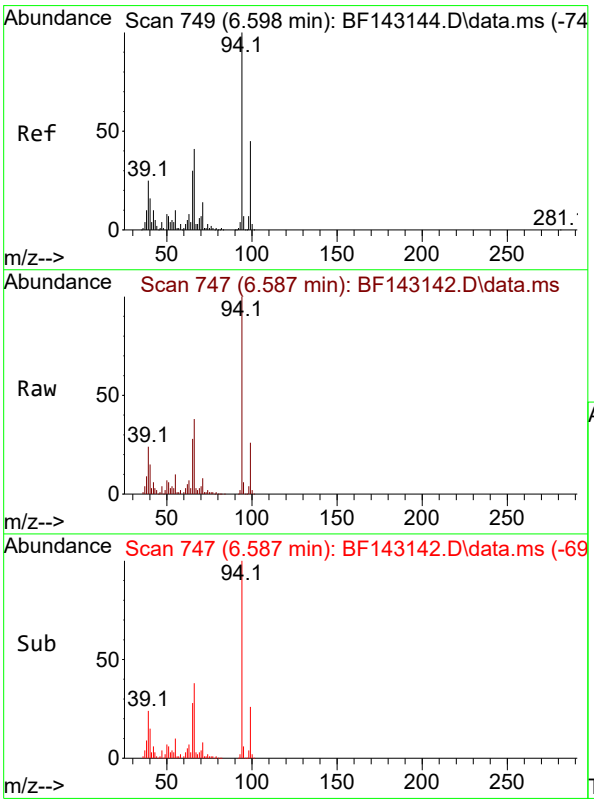
Ion	Ratio	Lower	Upper
77	100		
105	96.9	76.8	116.8
106	93.9	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

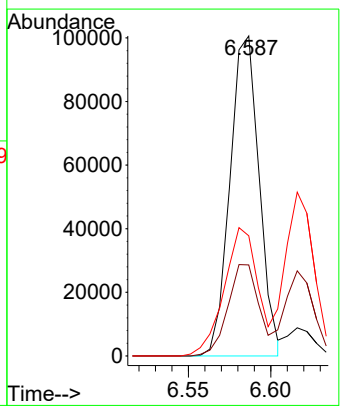


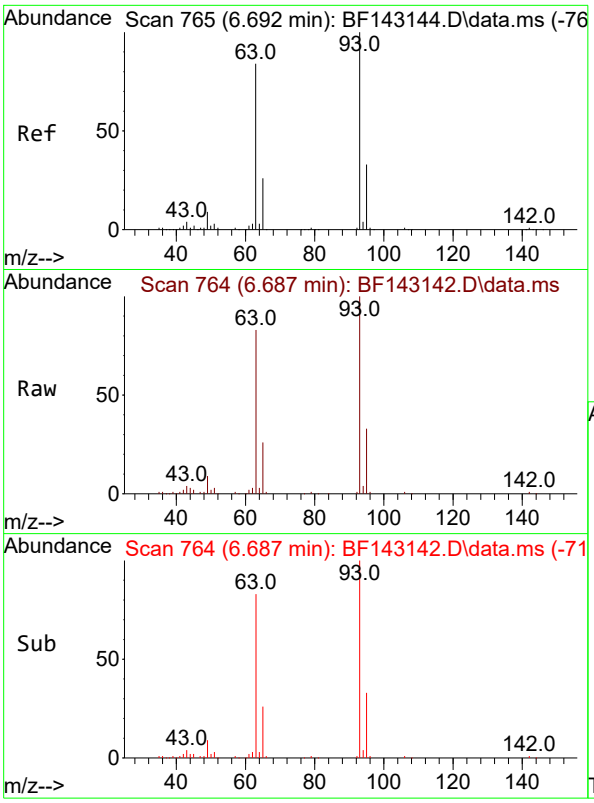


#10
Phenol
Concen: 10.198 ng m
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

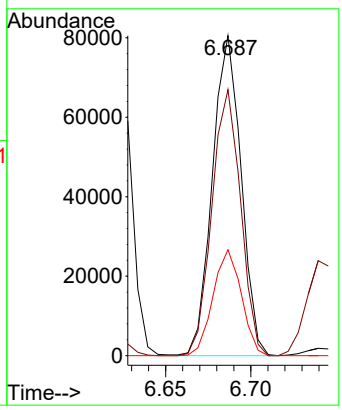
Tgt Ion: 93 Resp: 9426(

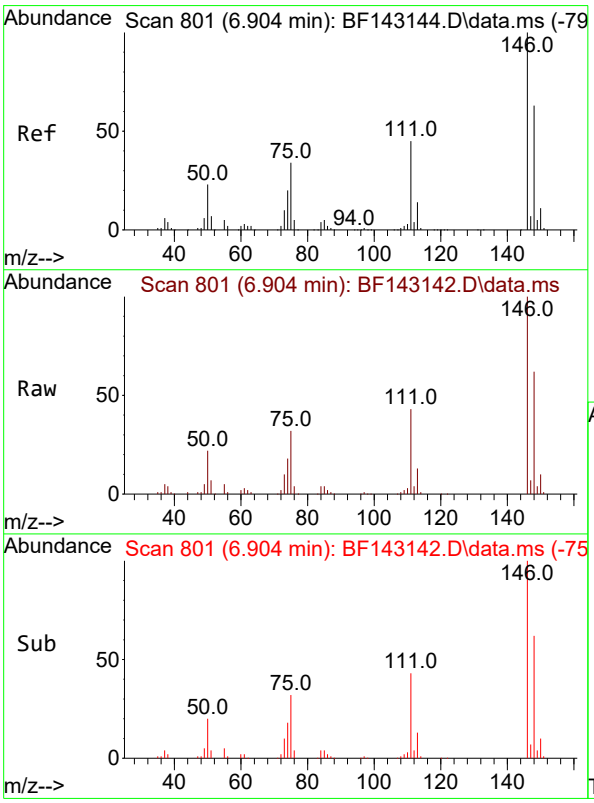
Ion	Ratio	Lower	Upper
93	100		
63	83.2	63.4	103.4
95	33.1	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

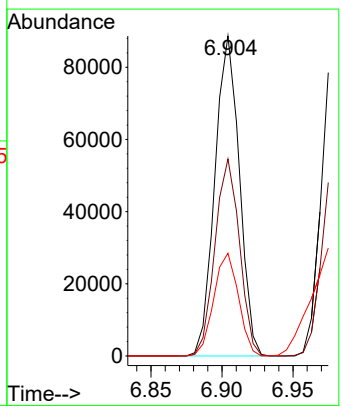


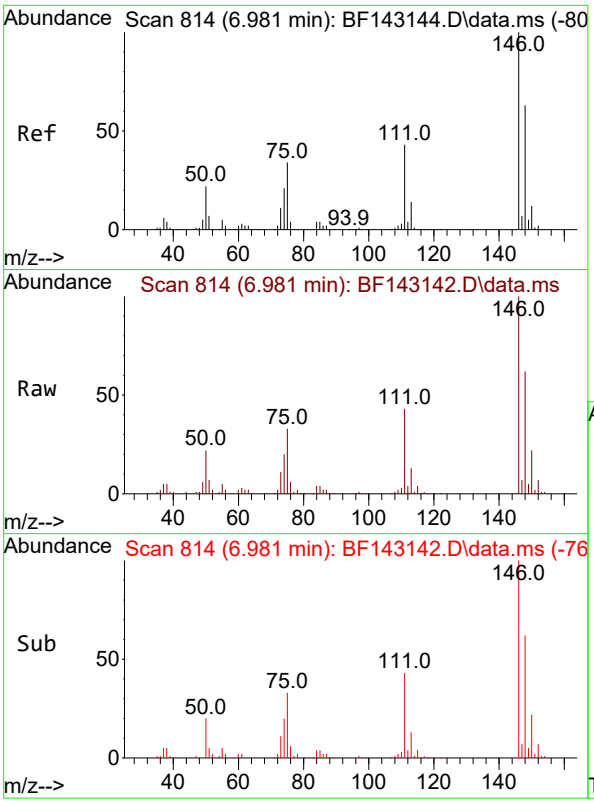


#12
1,3-Dichlorobenzene
Concen: 10.514 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

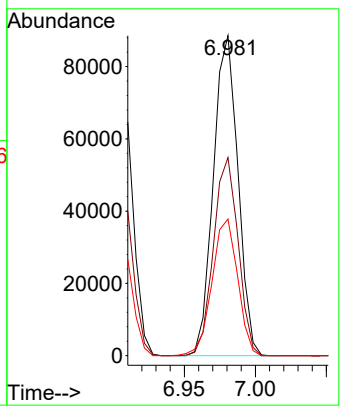
Tgt Ion:146 Resp: 10658

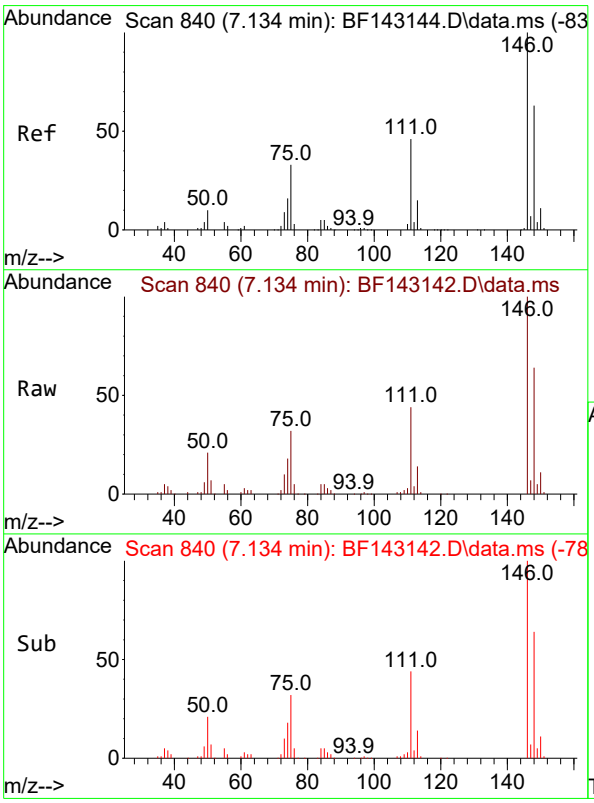
Ion	Ratio	Lower	Upper
146	100		
148	61.9	50.3	75.5
111	42.7	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

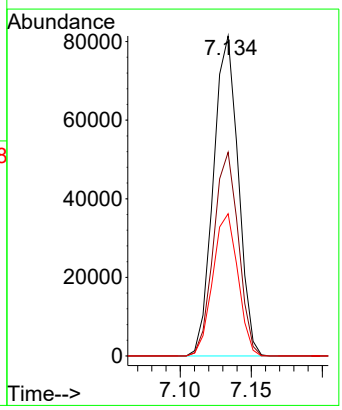


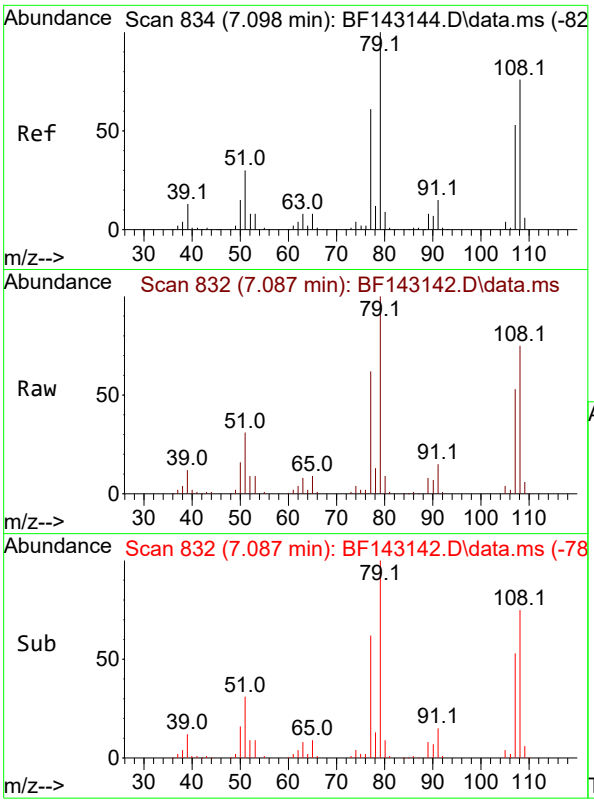


#14
1,2-Dichlorobenzene
Concen: 10.253 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

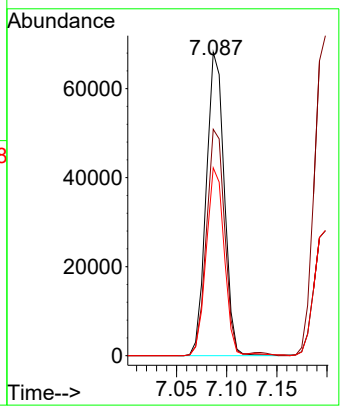
Tgt Ion: 79 Resp: 8524

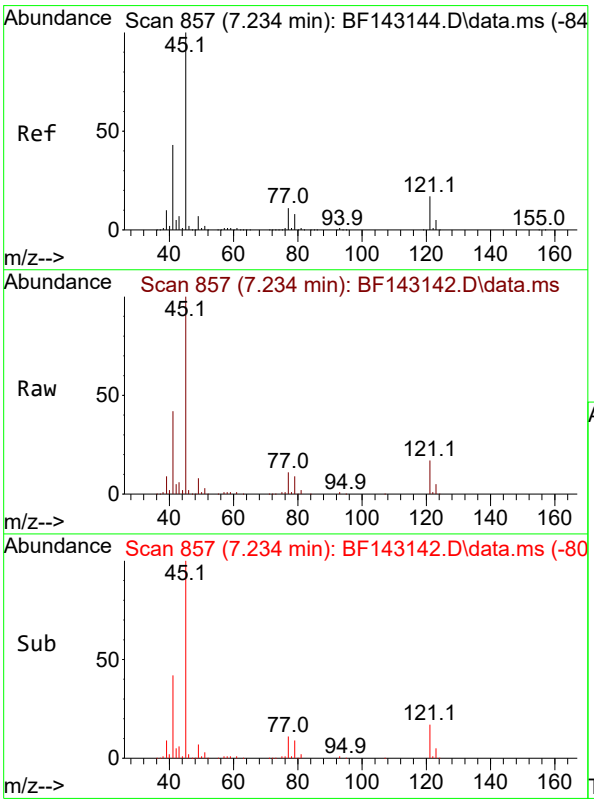
Ion	Ratio	Lower	Upper
79	100		
108	74.6	61.1	91.7
77	61.9	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

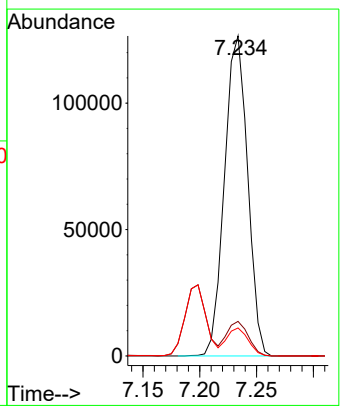


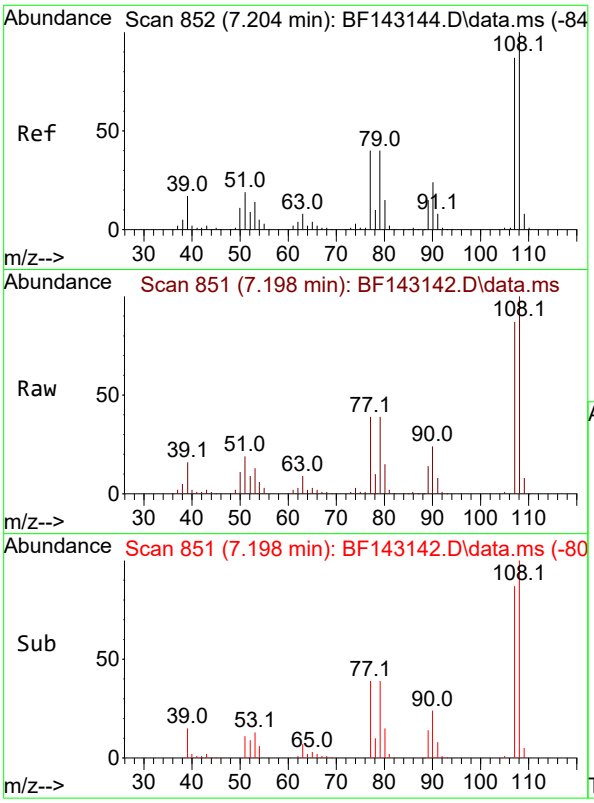


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.371 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

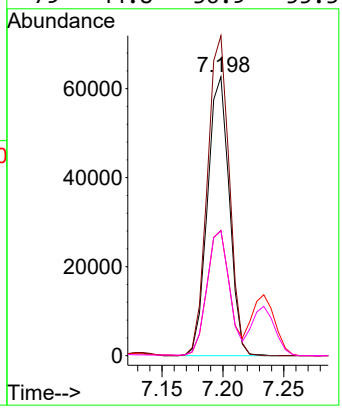
Tgt Ion:107 Resp: 7800

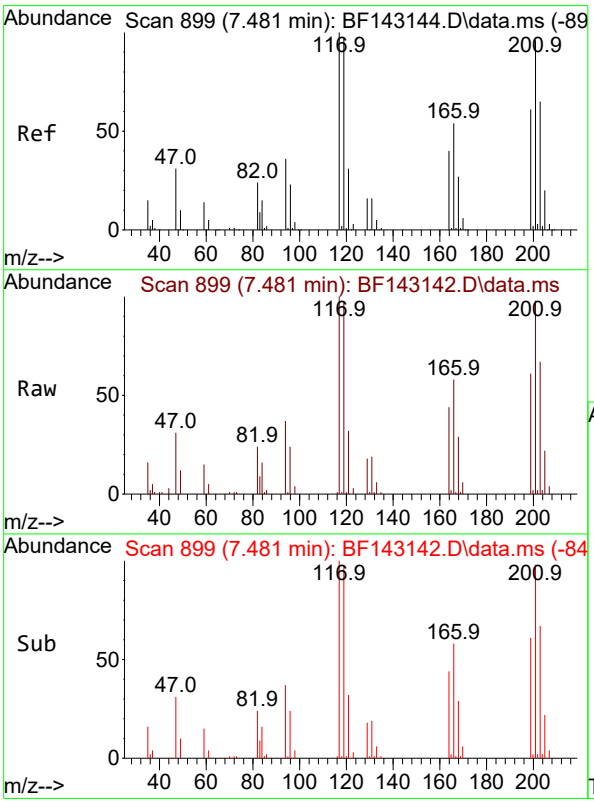
Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.8	137.6
77	45.0	37.0	55.6
79	44.8	36.9	55.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

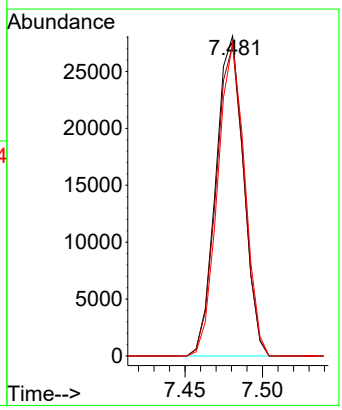


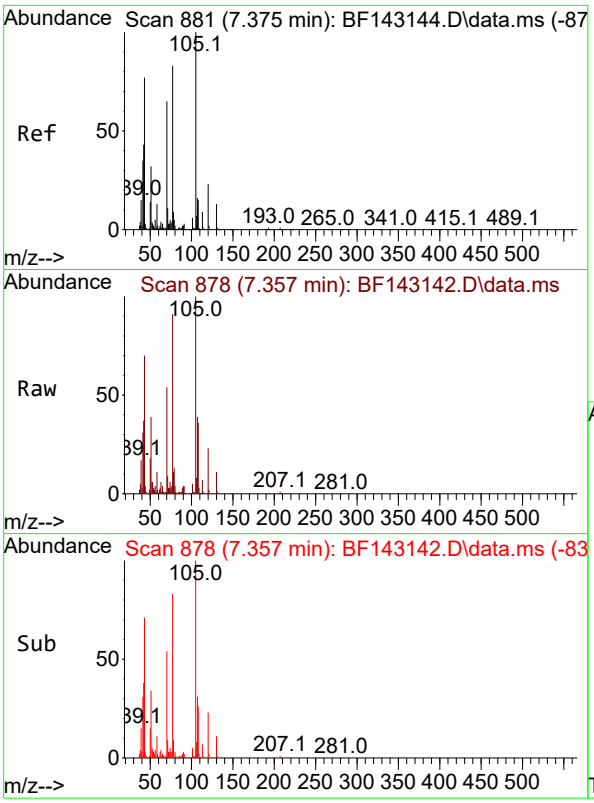


#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

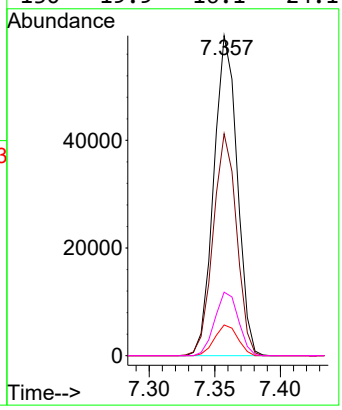
Tgt Ion: 70 Resp: 7381

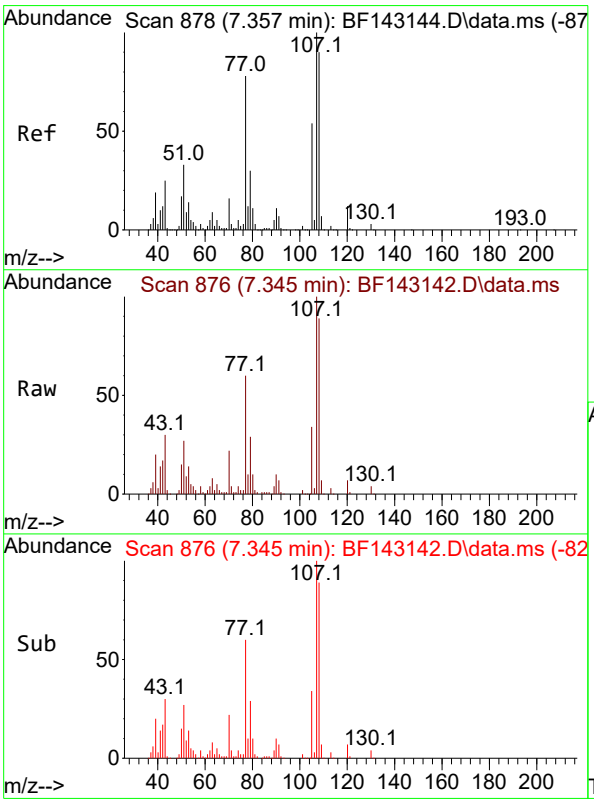
Ion	Ratio	Lower	Upper
70	100		
42	69.4	52.5	78.7
101	9.6	7.6	11.4
130	19.9	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

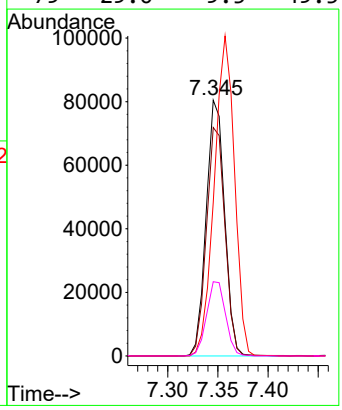


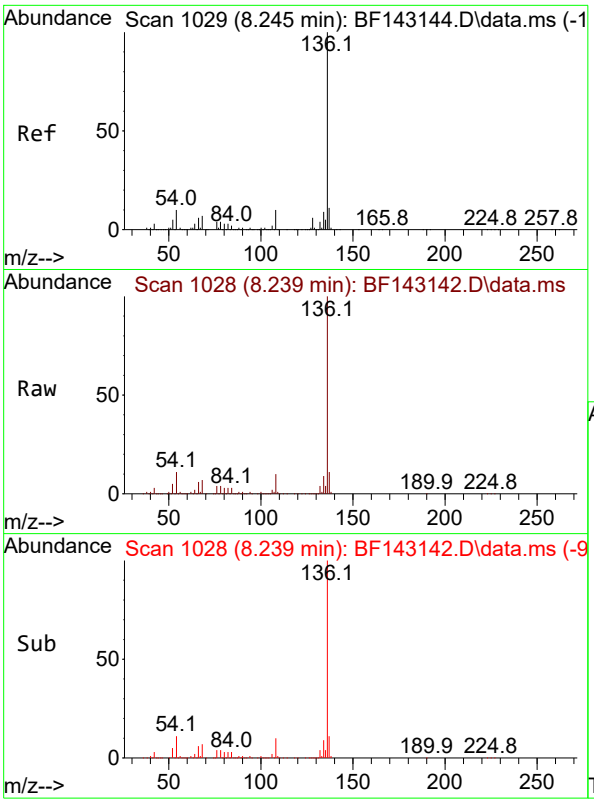


#20
3+4-Methylphenols
Concen: 10.858 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

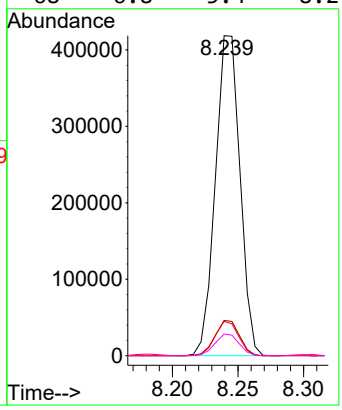




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:136 Resp: 54573(

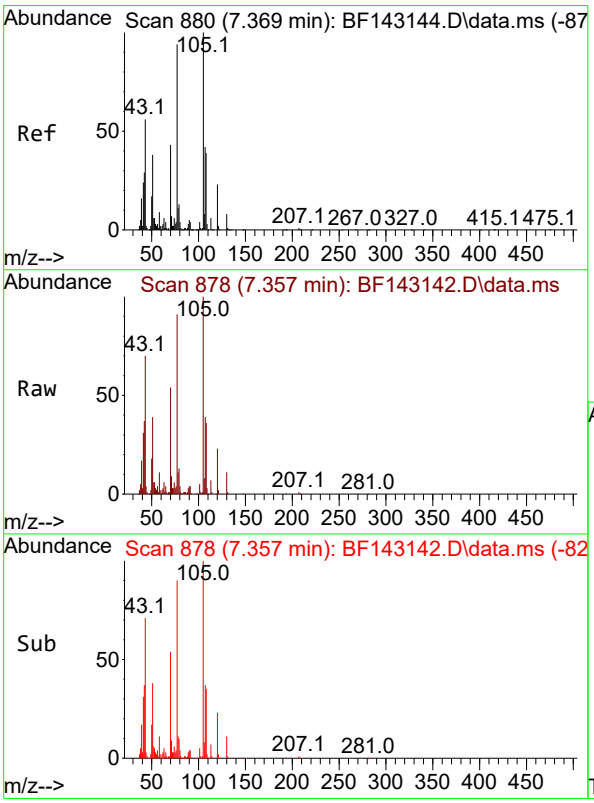
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.7	8.2	12.2
68	6.8	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

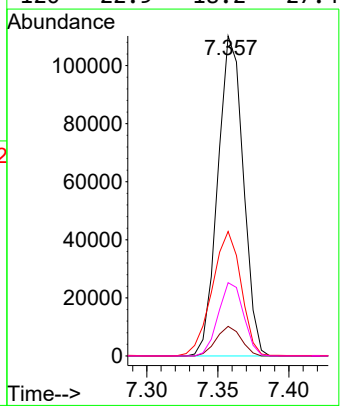
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

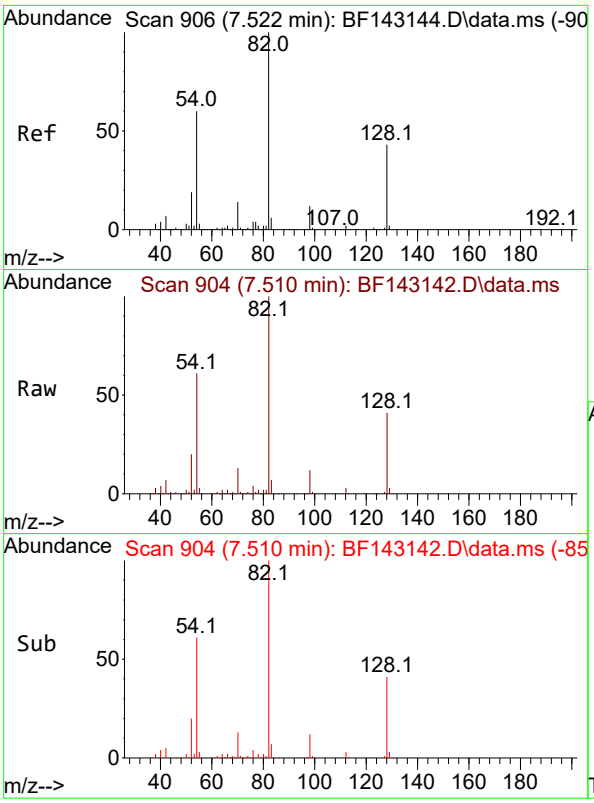


#22
Acetophenone
Concen: 10.645 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

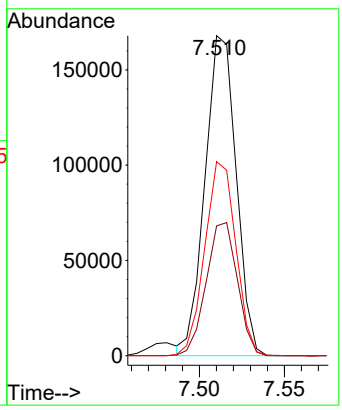
Tgt Ion: 82 Resp: 21508(

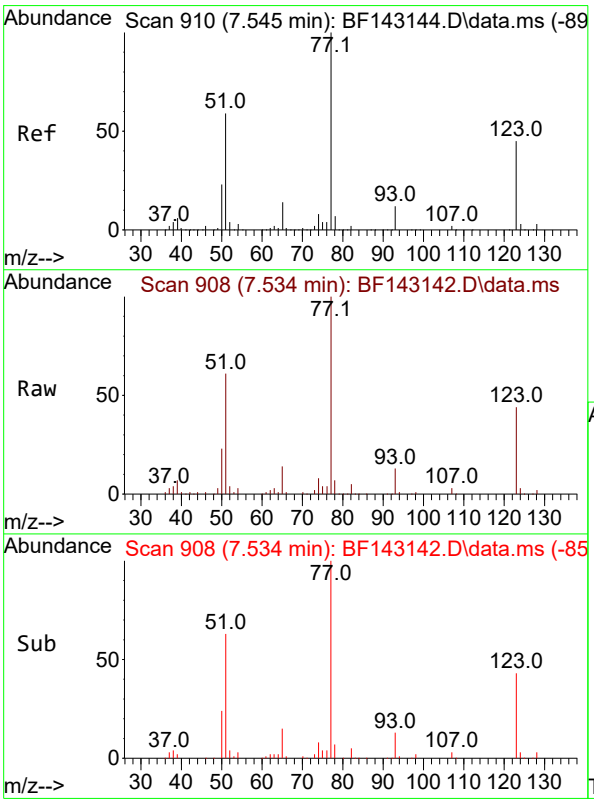
Ion	Ratio	Lower	Upper
82	100		
128	40.5	33.6	50.4
54	60.7	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

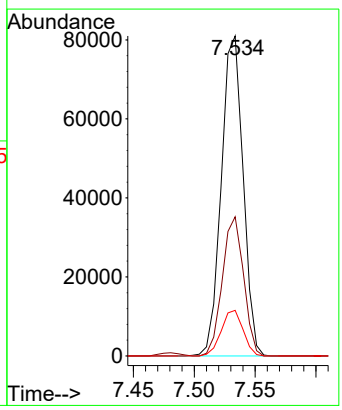


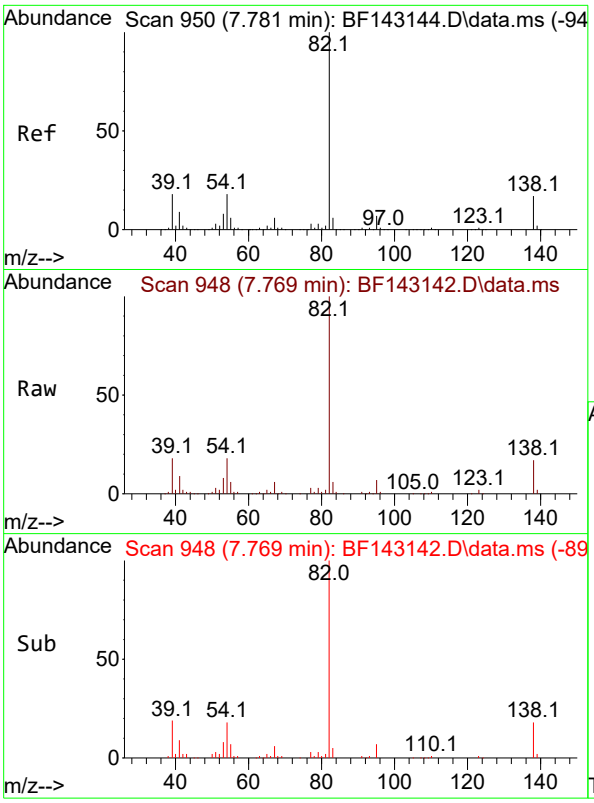


#24
Nitrobenzene
Concen: 9.879 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

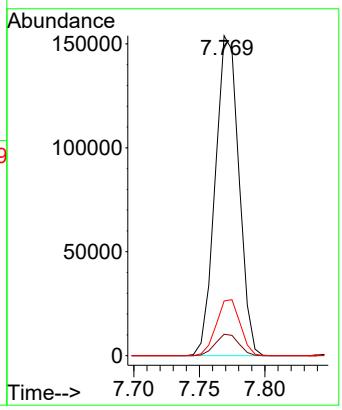
Tgt Ion: 82 Resp: 19289

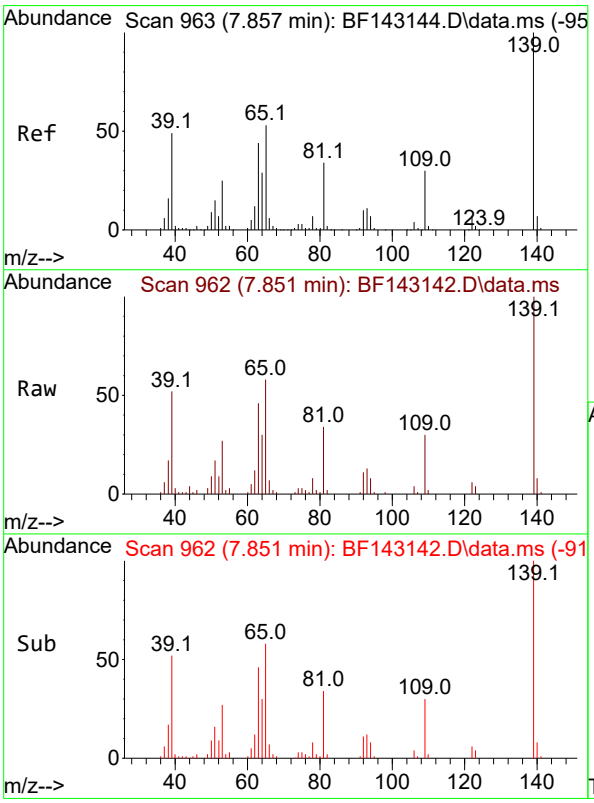
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.1	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

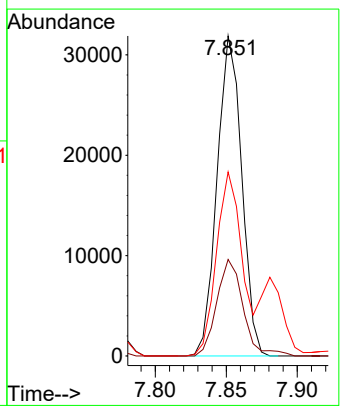


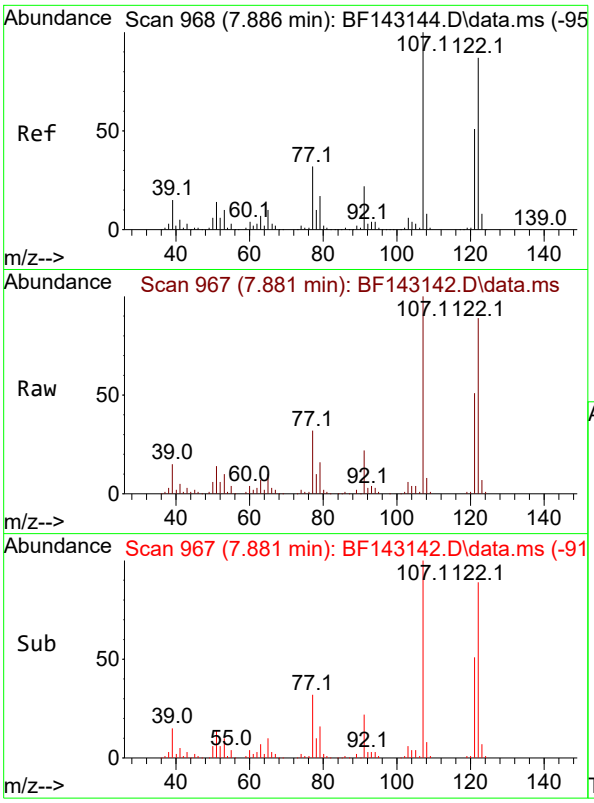


#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

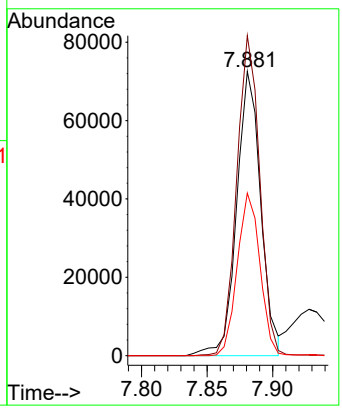
Tgt Ion:122 Resp: 9272

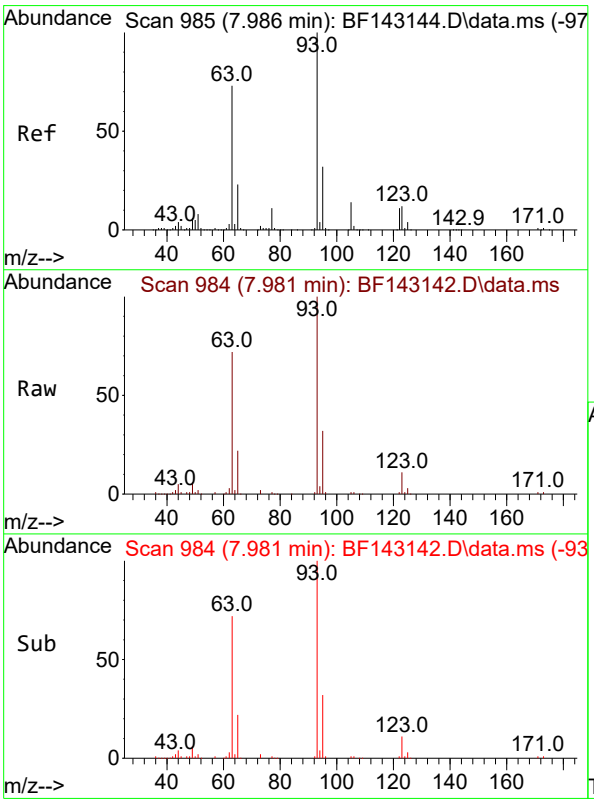
Ion	Ratio	Lower	Upper
122	100		
107	112.6	91.8	137.6
121	57.2	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

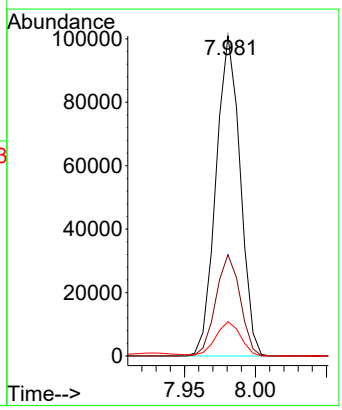


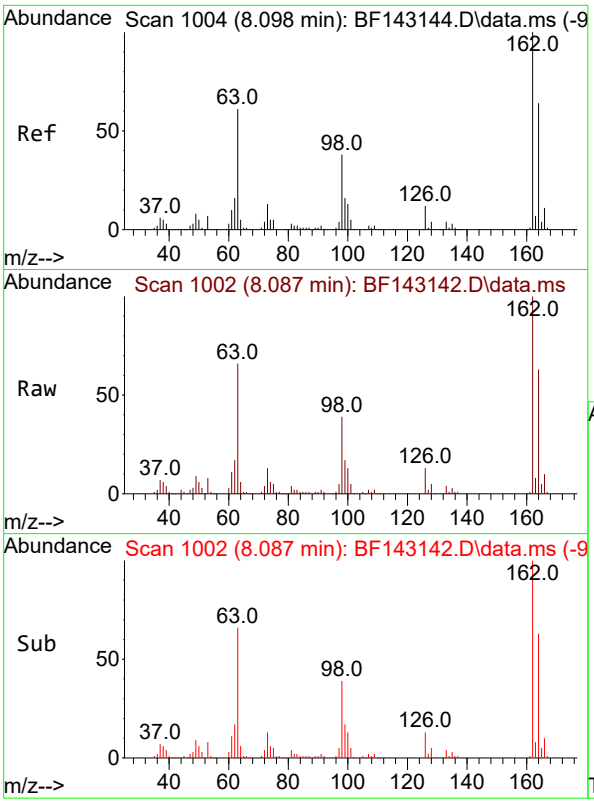


#28
bis(2-Chloroethoxy)methane
Concen: 10.297 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

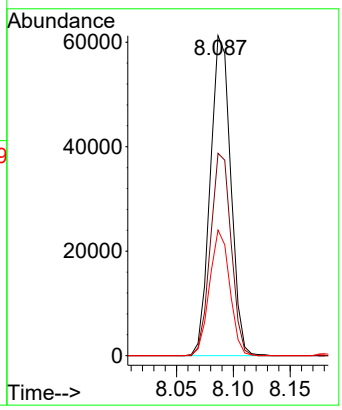
Tgt Ion:162 Resp: 7684

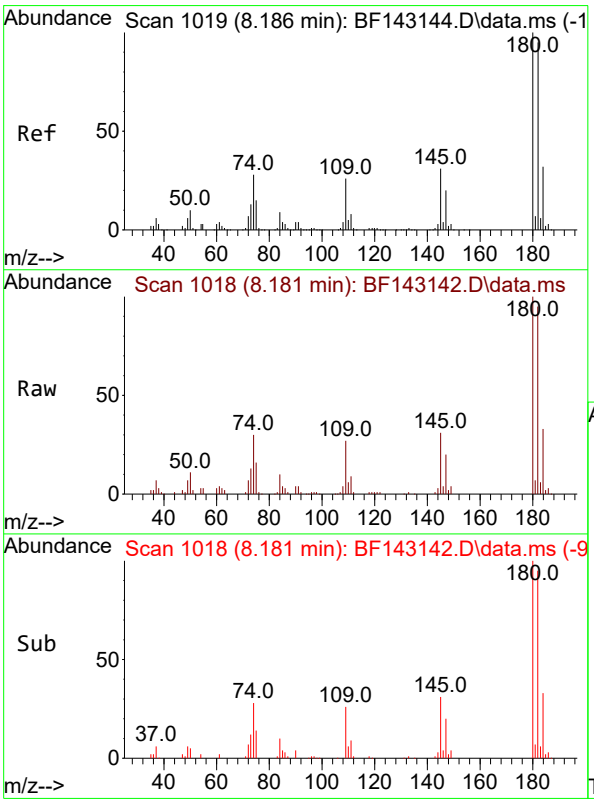
Ion	Ratio	Lower	Upper
162	100		
164	63.3	44.2	84.2
98	39.2	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

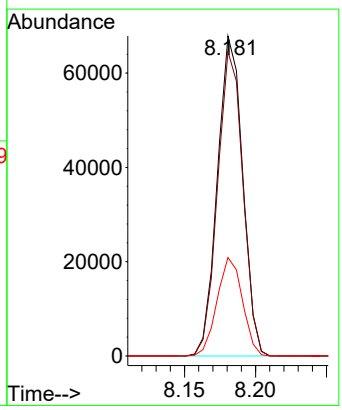


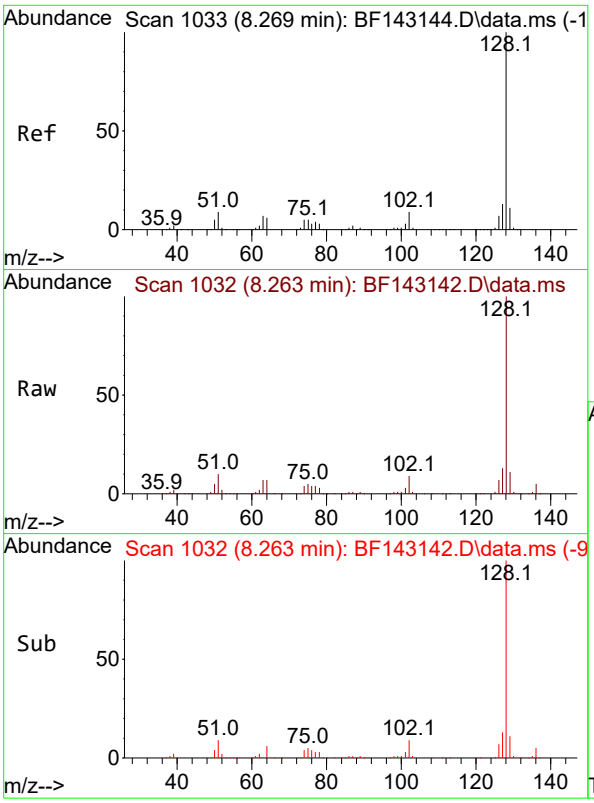


#30
1,2,4-Trichlorobenzene
Concen: 10.191 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

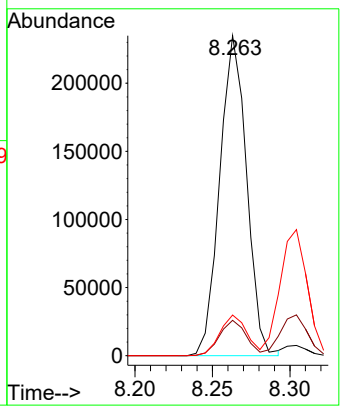
Tgt Ion:128 Resp: 28310

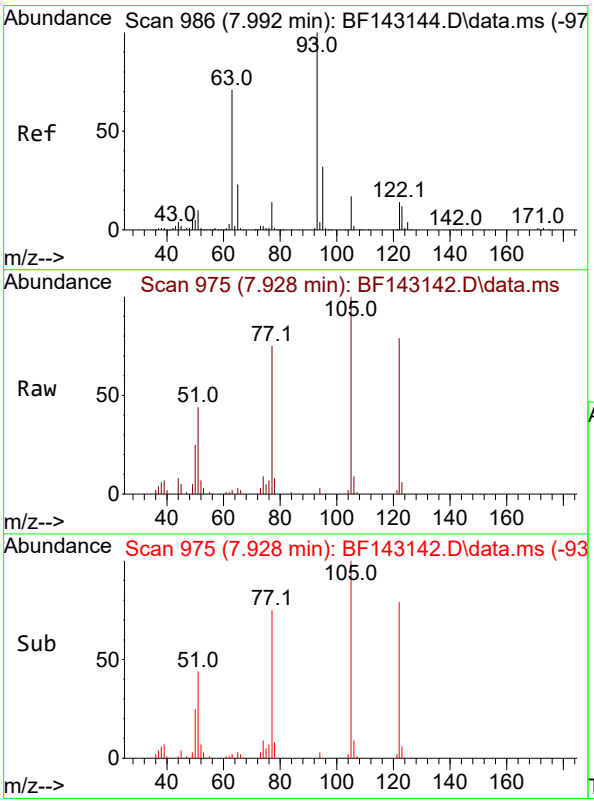
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.4
127	12.7	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

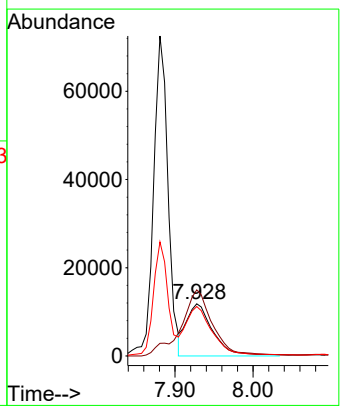


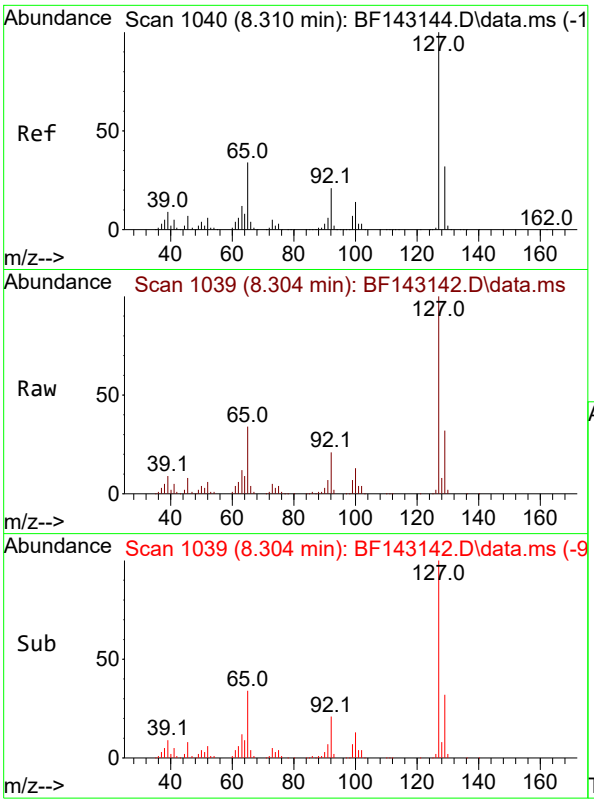


#32
Benzoic acid
Concen: 10.113 ng m
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

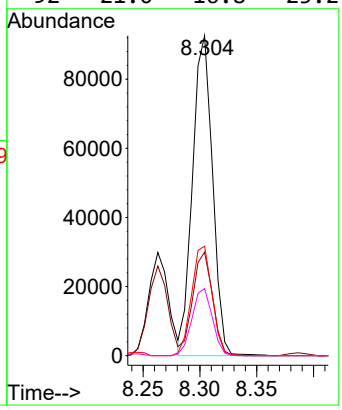
Tgt Ion:127 Resp: 11379

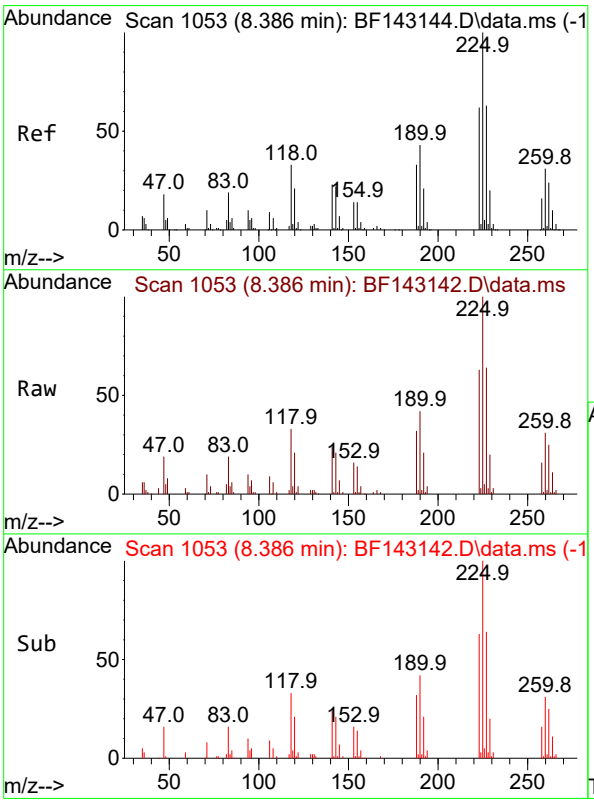
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	34.2	27.4	41.2
92	21.0	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

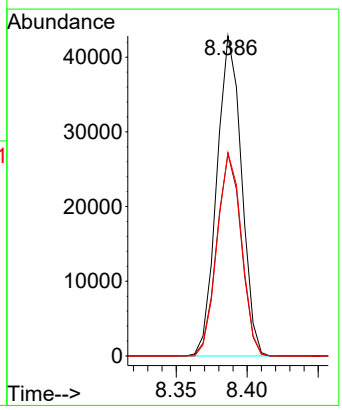


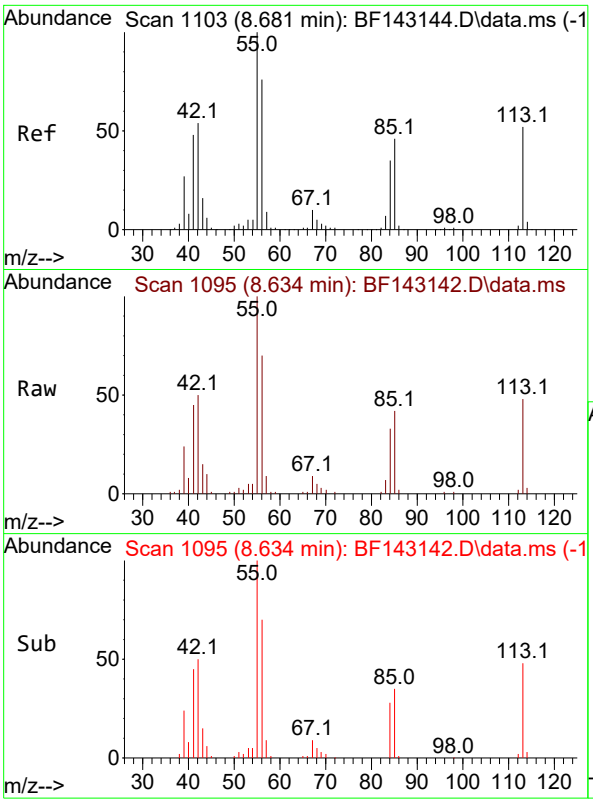


#34
Hexachlorobutadiene
Concen: 10.290 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

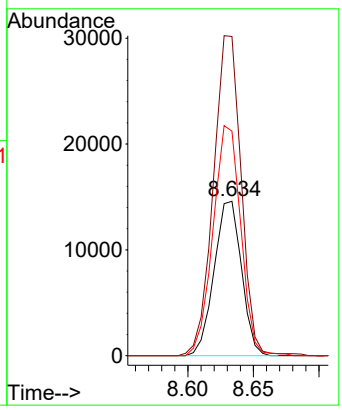
Tgt Ion:113 Resp: 2115

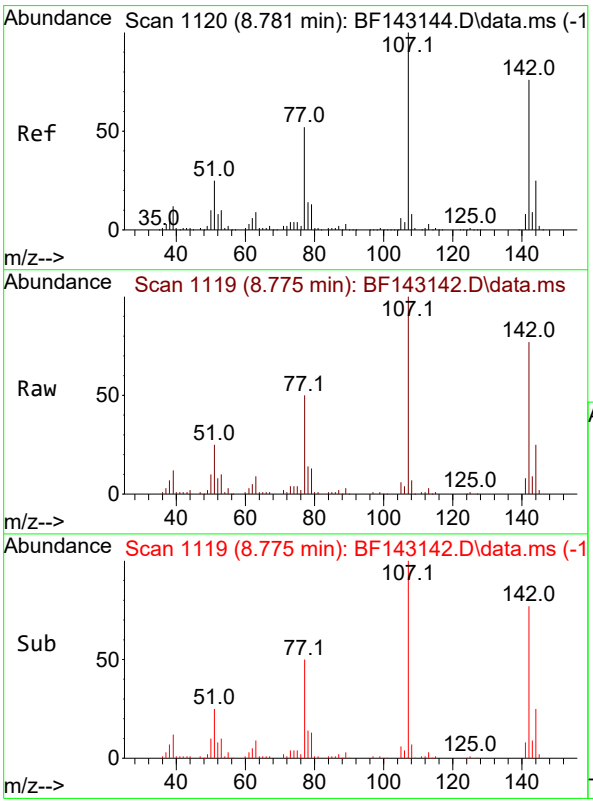
Ion	Ratio	Lower	Upper
113	100		
55	206.8	174.0	214.0
56	145.4	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

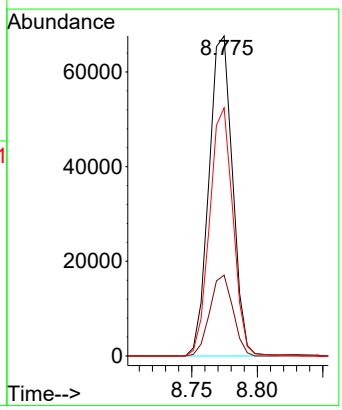


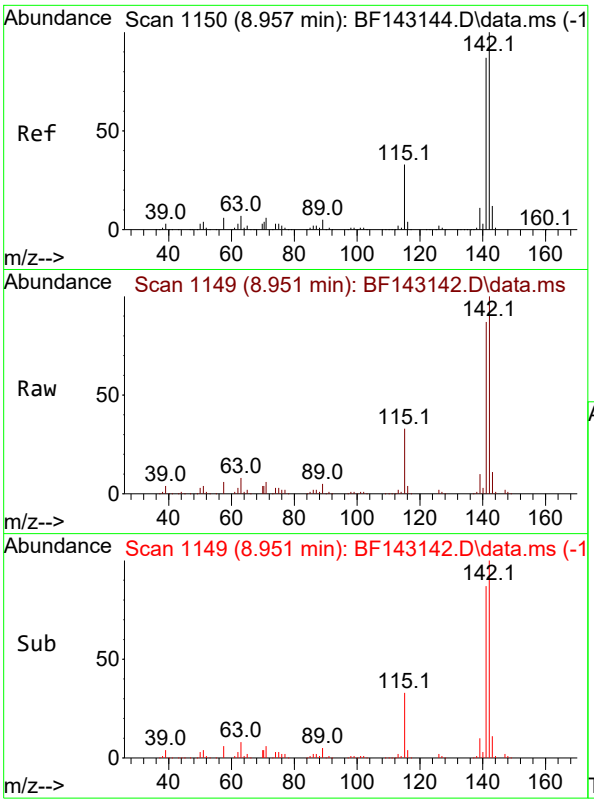


#36
4-Chloro-3-methylphenol
Concen: 10.227 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

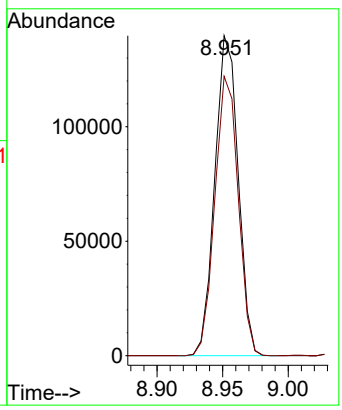
Tgt Ion:142 Resp: 17286

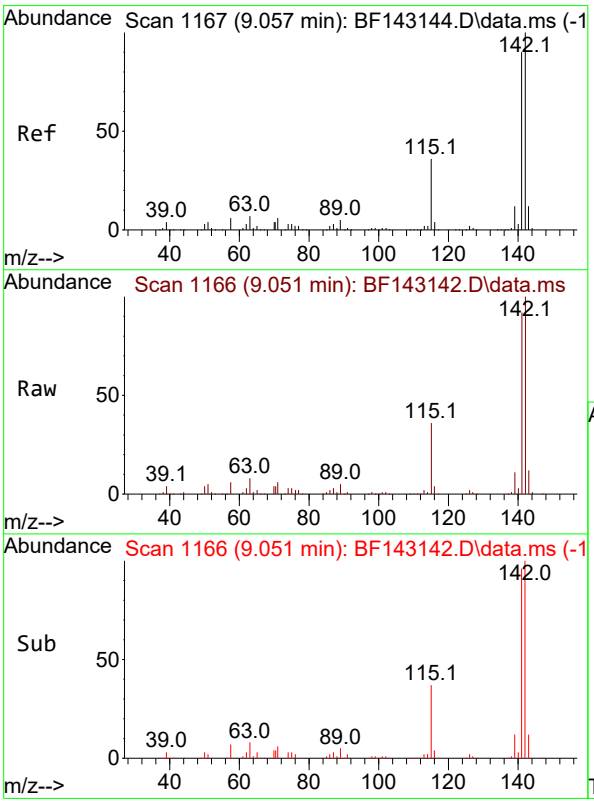
Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

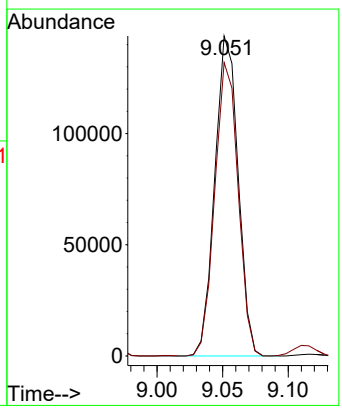


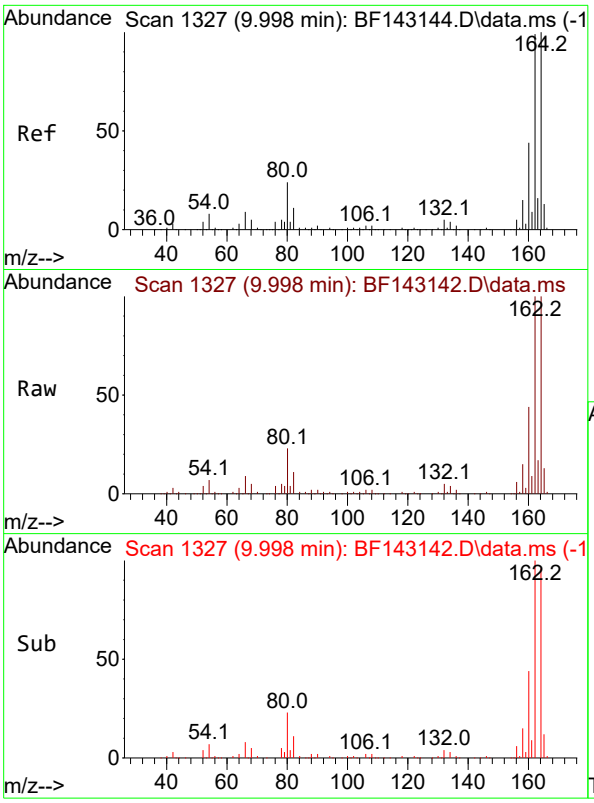


#38
1-Methylnaphthalene
Concen: 10.564 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

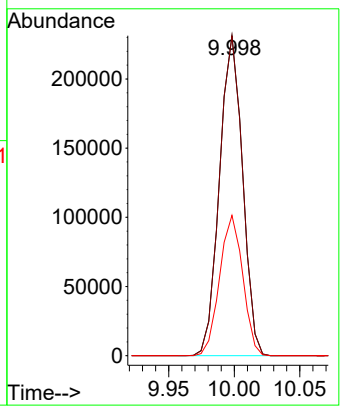
Tgt Ion:164 Resp: 28258

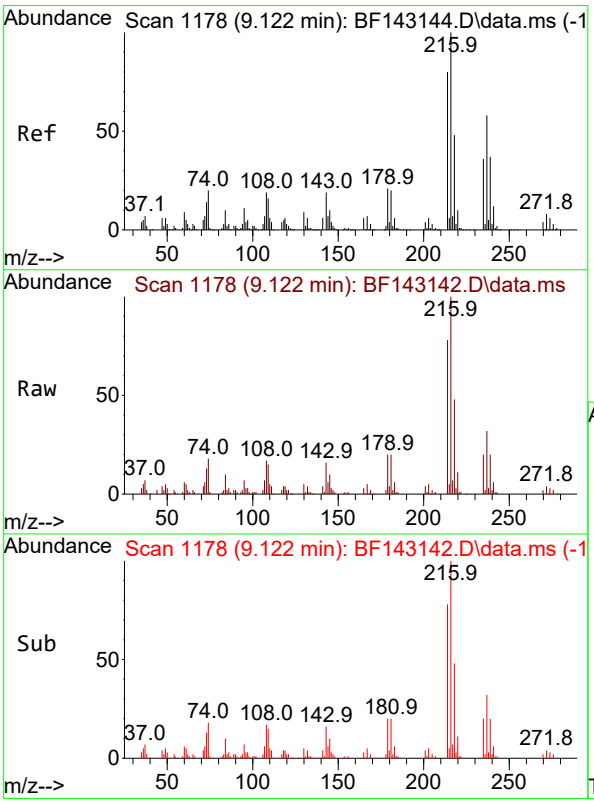
Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.0	118.6
160	43.9	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

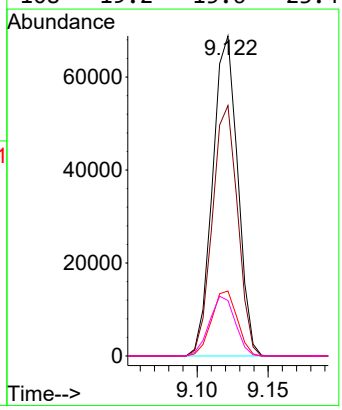


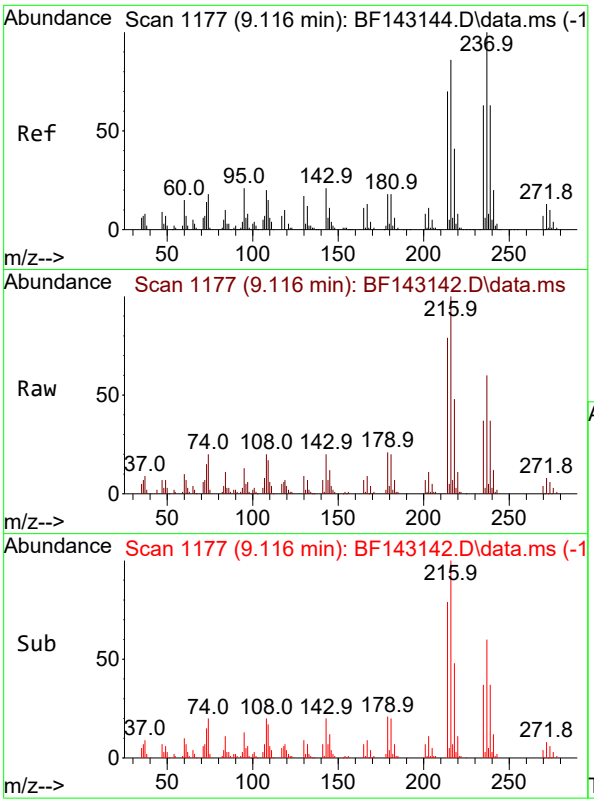


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.357 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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# 1
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

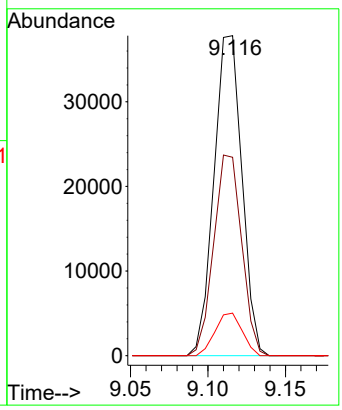
Tgt Ion:237 Resp: 4757

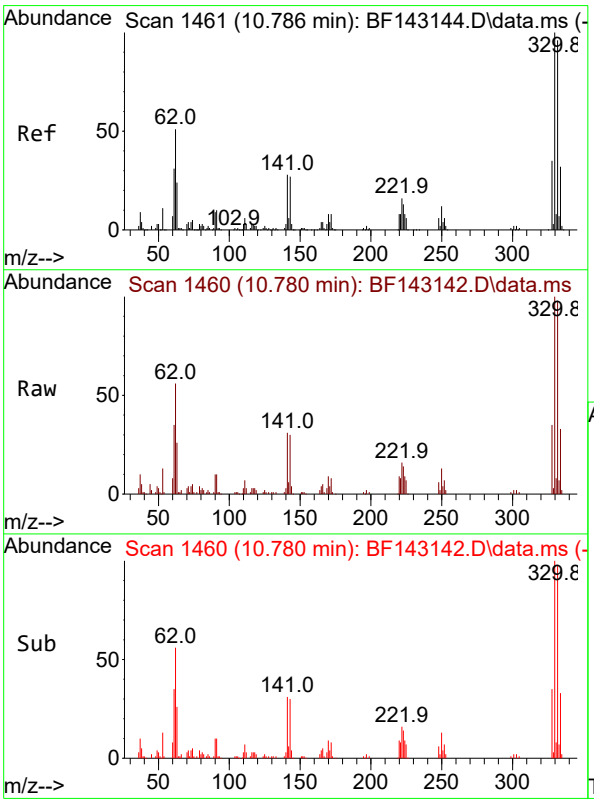
Ion	Ratio	Lower	Upper
237	100		
235	62.0	43.0	83.0
272	13.3	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

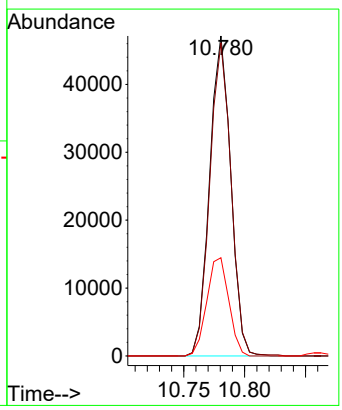


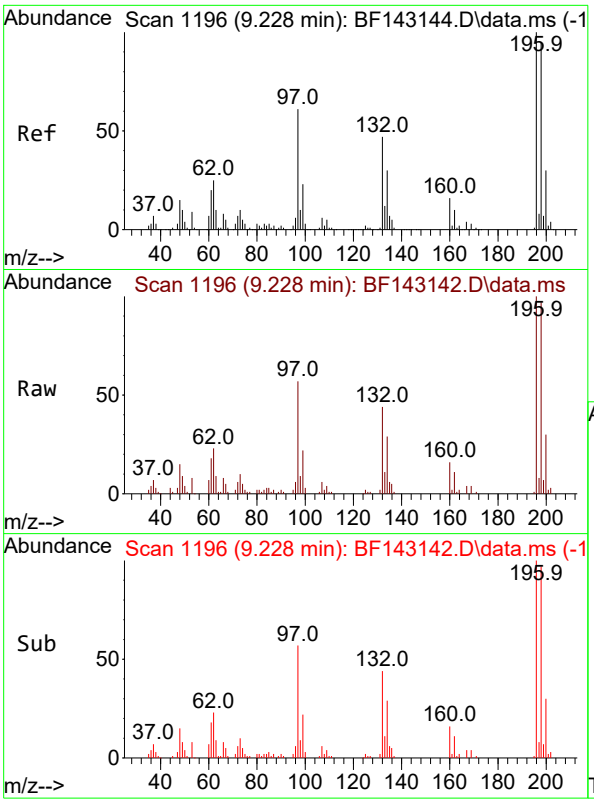


#42
2,4,6-Tribromophenol
Concen: 19.512 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

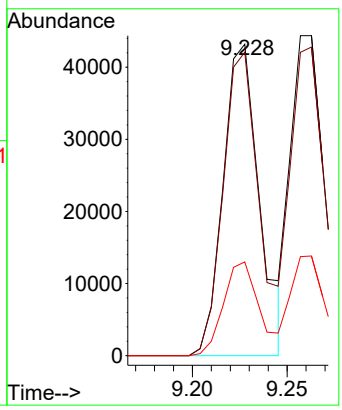
Tgt Ion:196 Resp: 5739

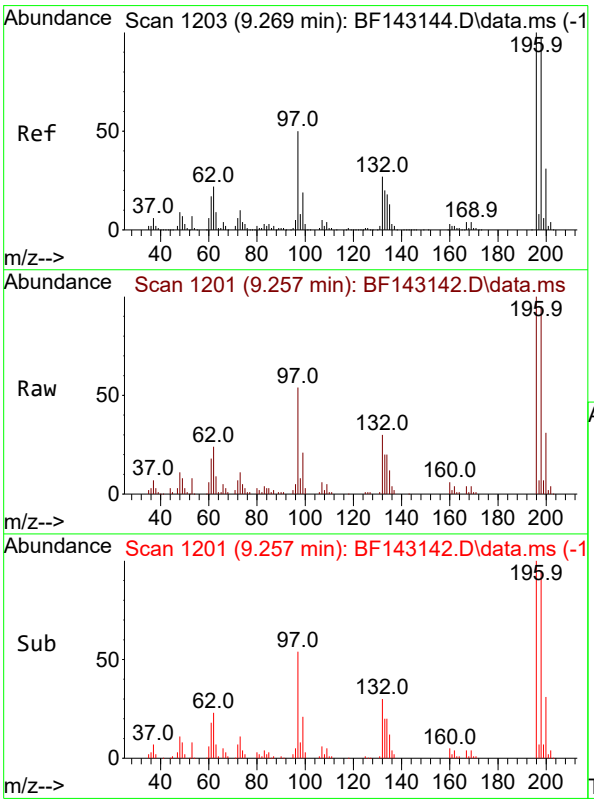
Ion	Ratio	Lower	Upper
196	100		
198	97.4	76.2	114.2
200	30.1	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

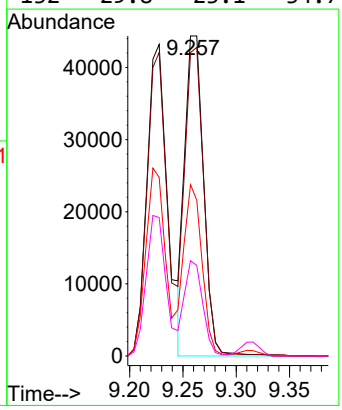


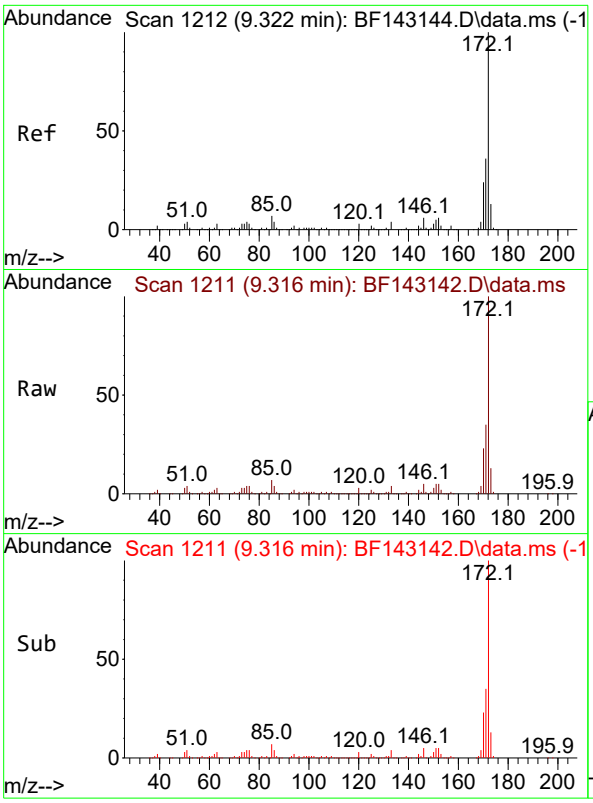


#44
2,4,5-Trichlorophenol
Concen: 9.688 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

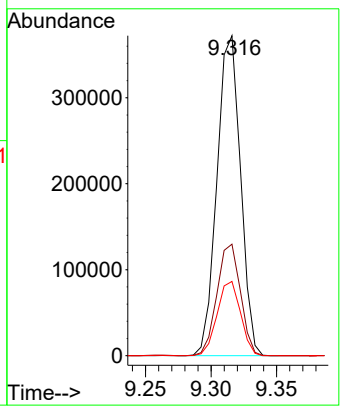
Tgt Ion:172 Resp: 46466

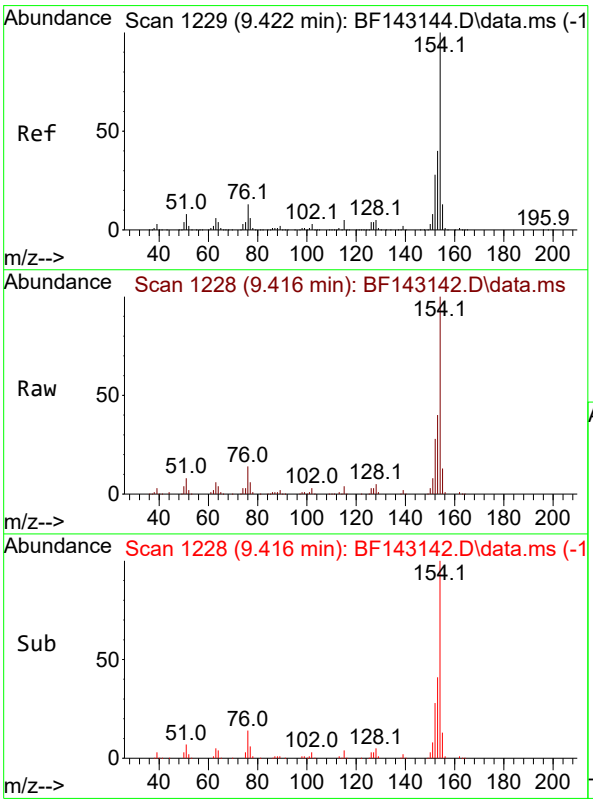
Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	23.2	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

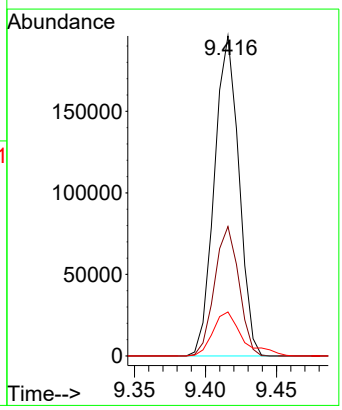


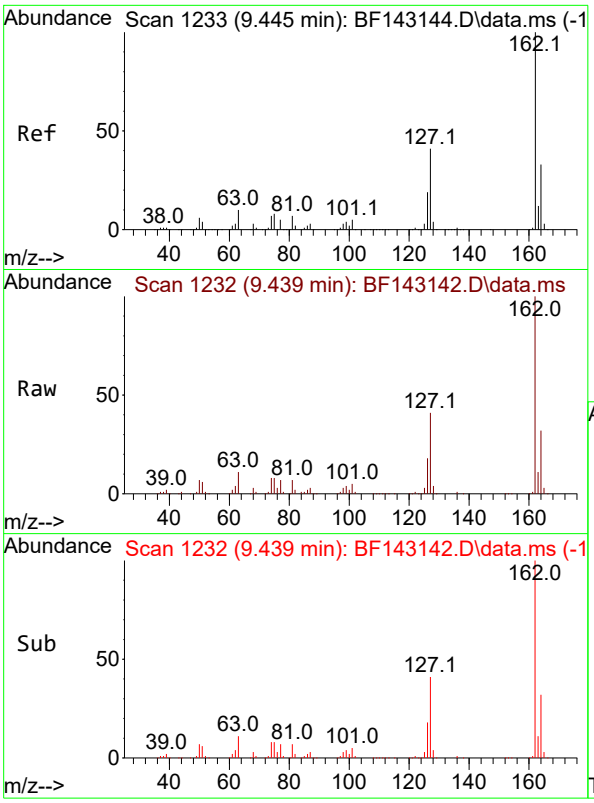


#46
1,1'-Biphenyl
Concen: 10.680 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

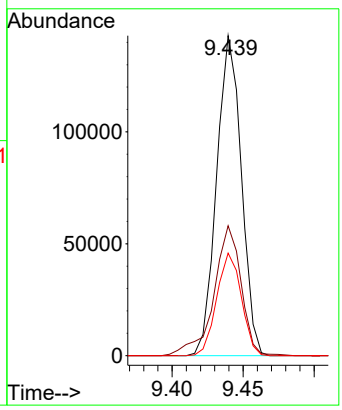
Tgt Ion:162 Resp: 17283

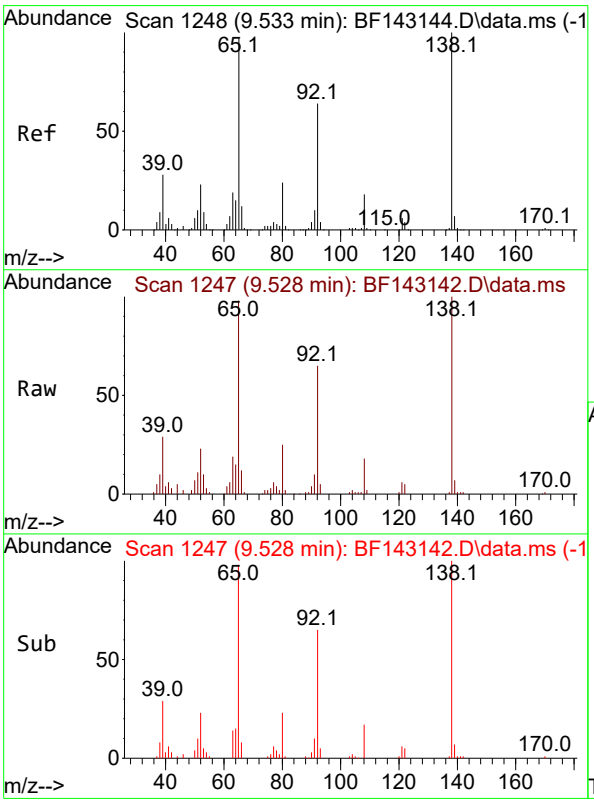
Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.0	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

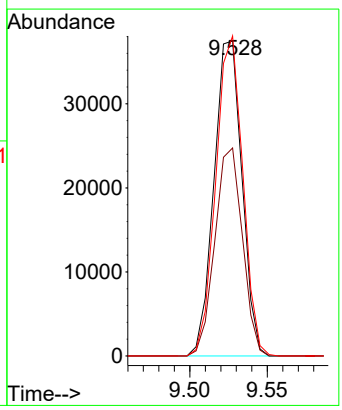


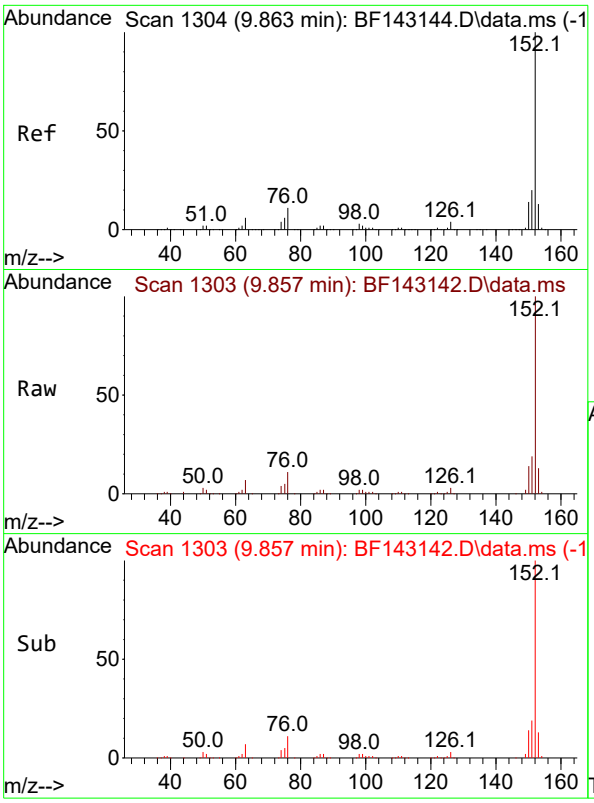


#48
2-Nitroaniline
Concen: 9.198 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

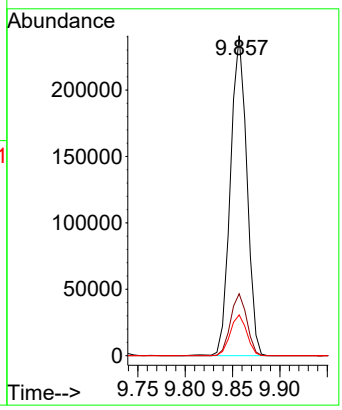
Tgt Ion:152 Resp: 28998

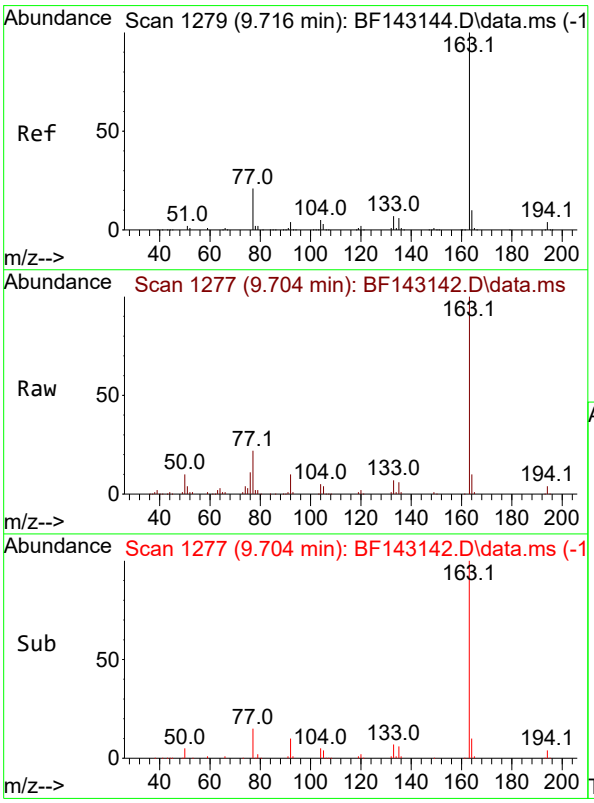
Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.2
153	12.8	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

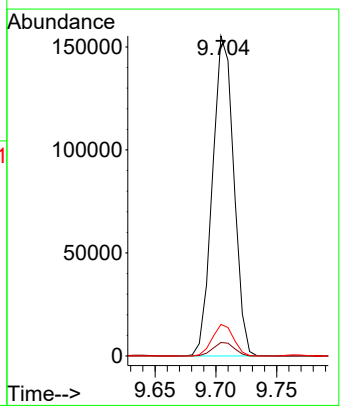


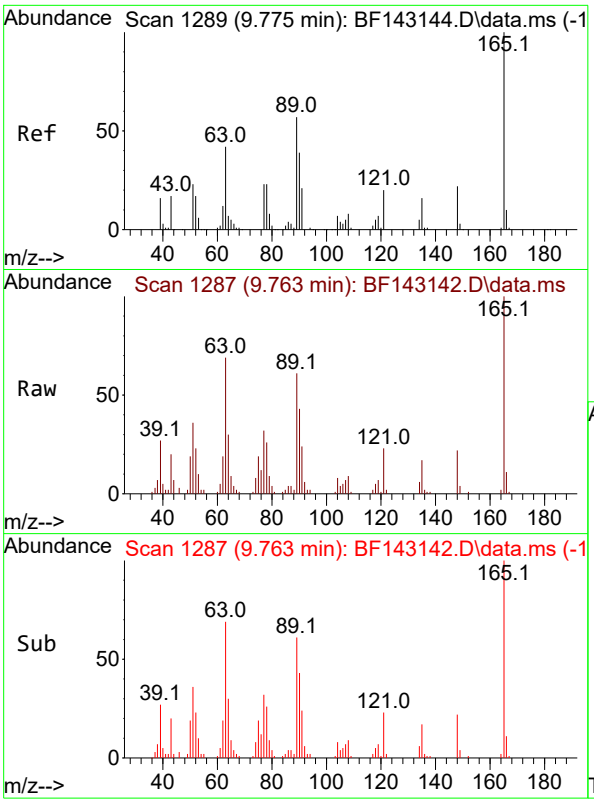


#50
Dimethylphthalate
Concen: 10.283 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

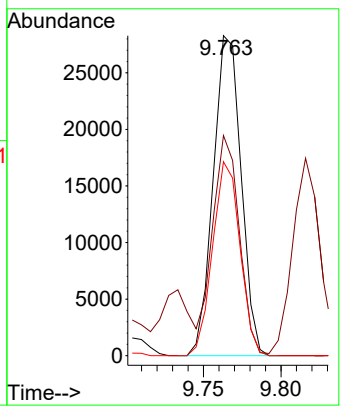
Tgt Ion:165 Resp: 3536

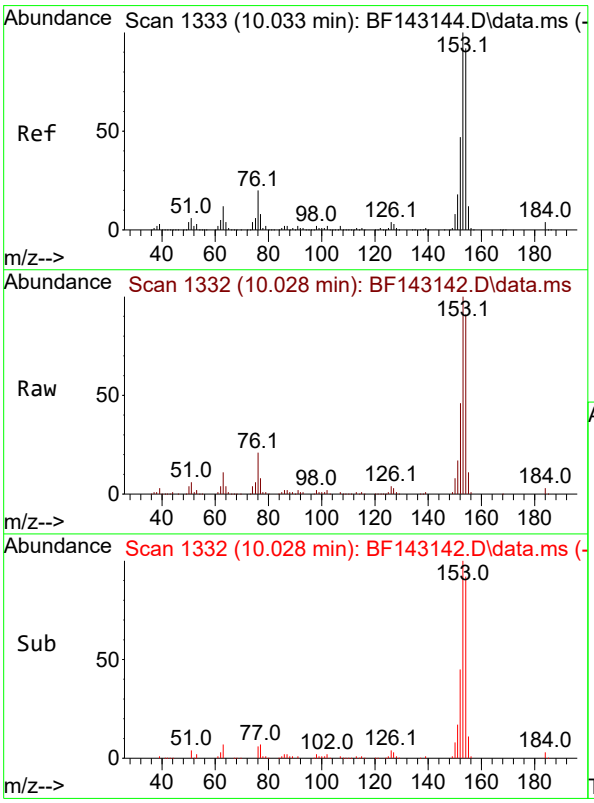
Ion	Ratio	Lower	Upper
165	100		
63	68.8	49.4	74.2
89	60.6	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

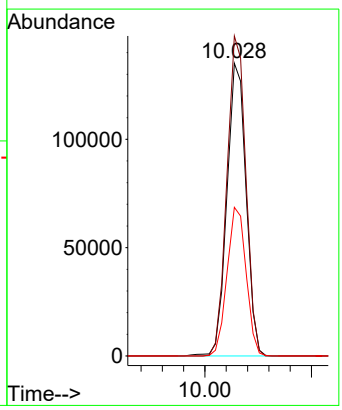


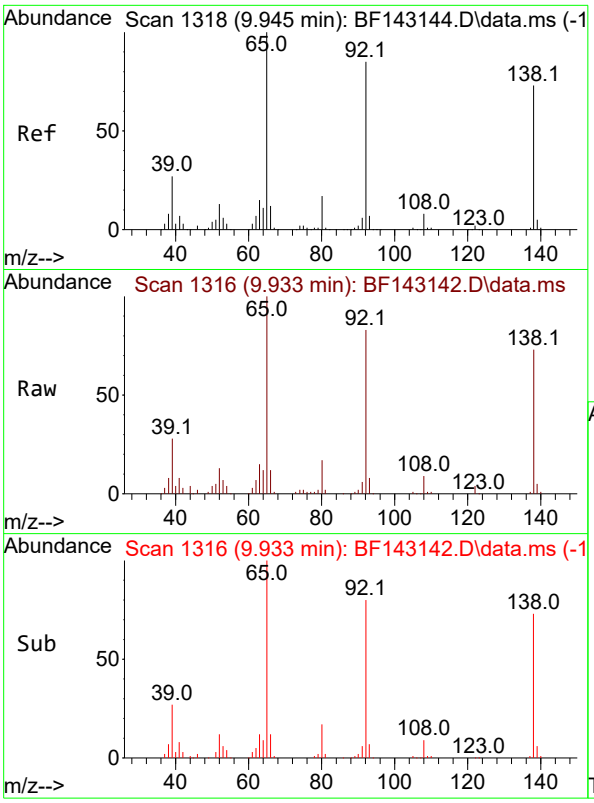


#52
Acenaphthene
Concen: 10.440 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

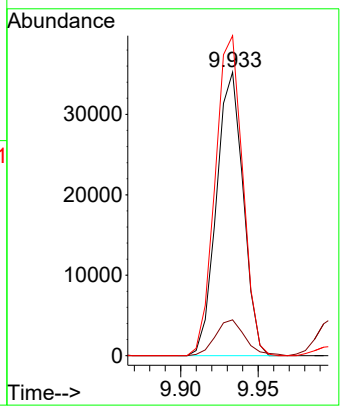
Tgt Ion:138 Resp: 4236

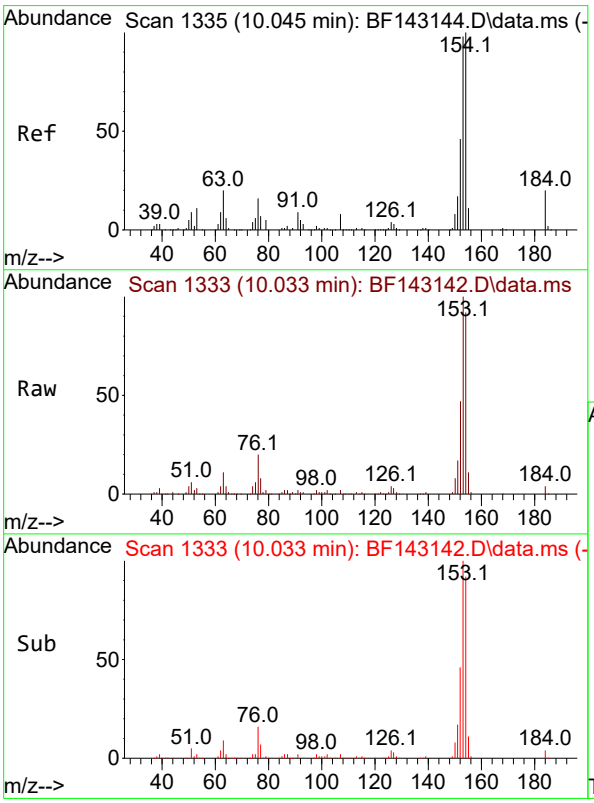
Ion	Ratio	Lower	Upper
138	100		
108	12.7	9.0	13.6
92	112.9	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

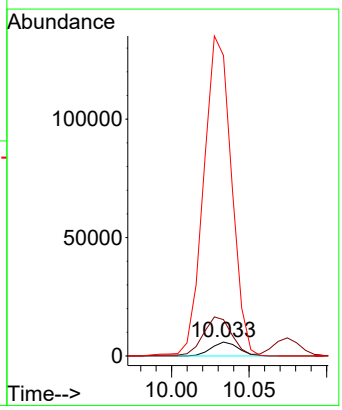


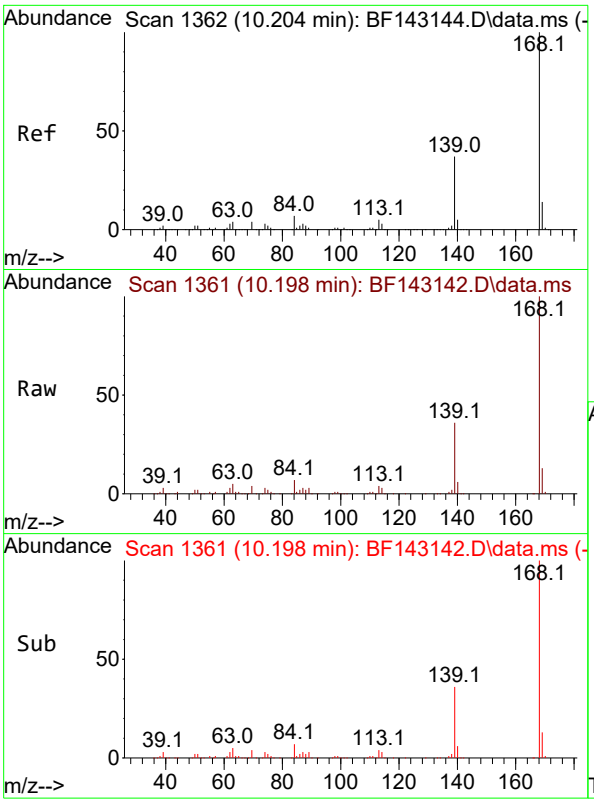


#54
2,4-Dinitrophenol
Concen: 10.522 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

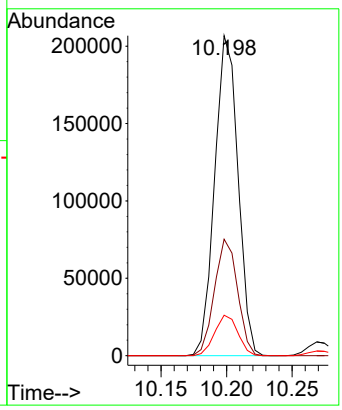
Tgt Ion:168 Resp: 25527

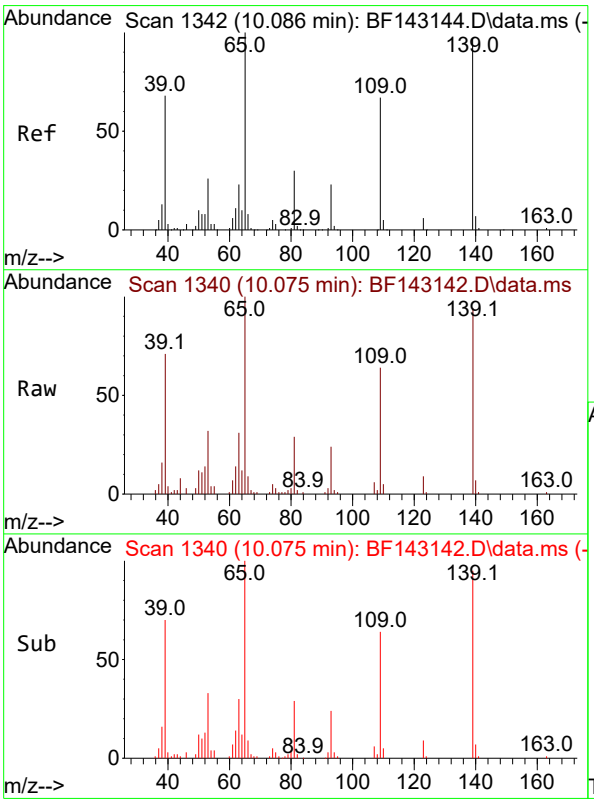
Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.5	44.3
169	12.7	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

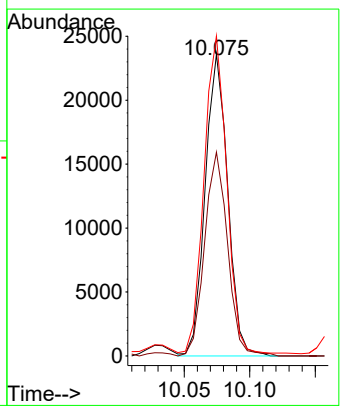


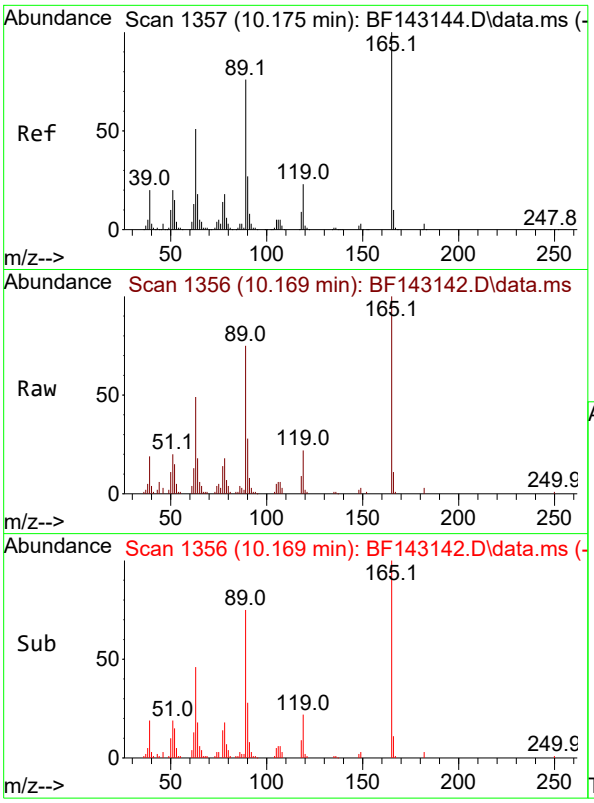


#56
4-Nitrophenol
Concen: 8.627 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

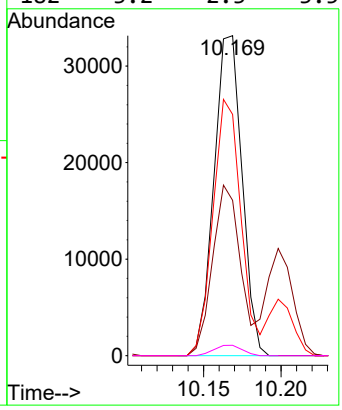
Tgt Ion:165 Resp: 4181

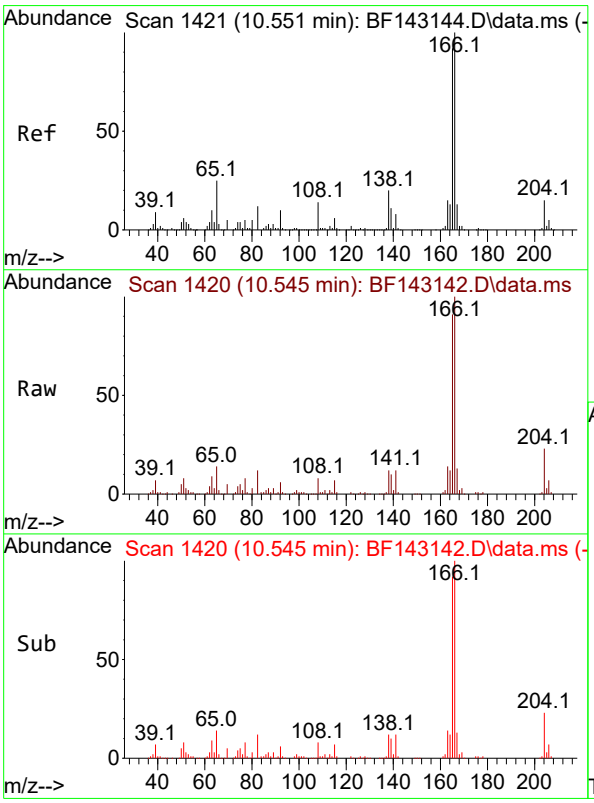
Ion	Ratio	Lower	Upper
165	100		
63	48.5	41.0	61.4
89	75.4	61.1	91.7
182	3.2	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

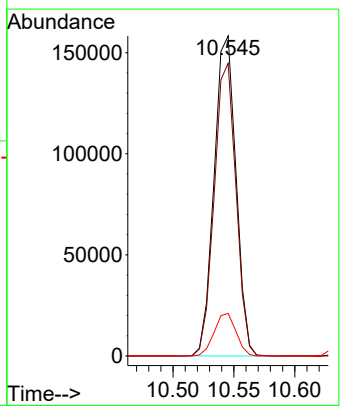


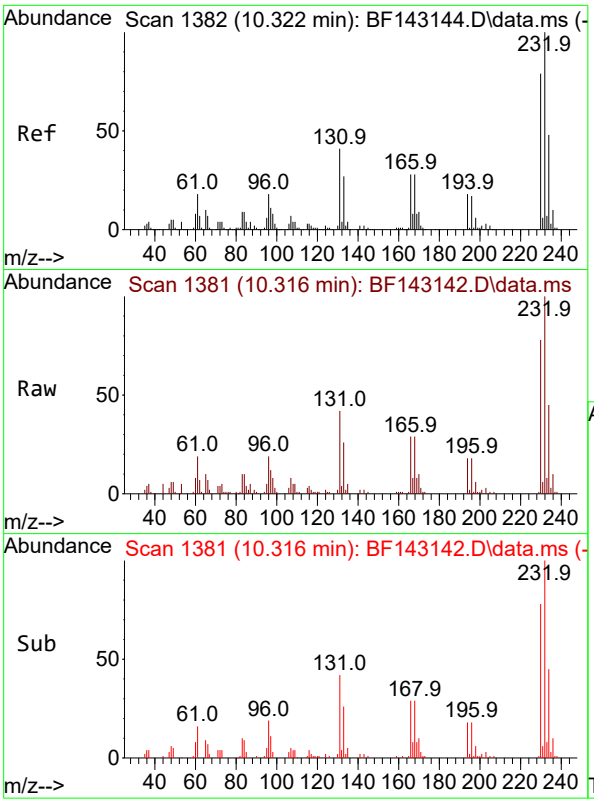


#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

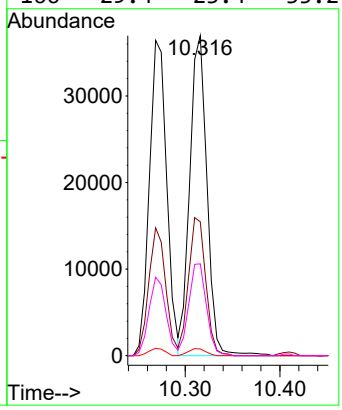




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:232 Resp: 4672

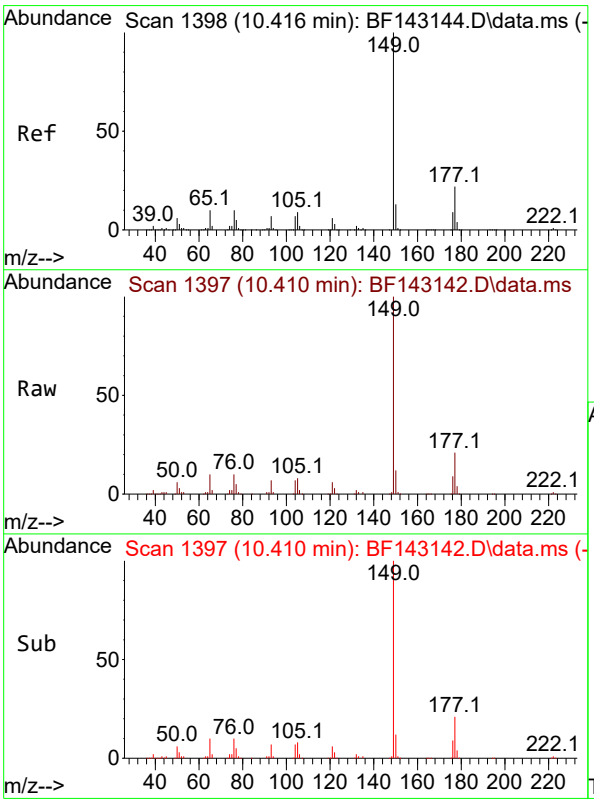
Ion	Ratio	Lower	Upper
232	100		
131	43.0	35.3	52.9
130	2.2	1.7	2.5
166	29.4	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

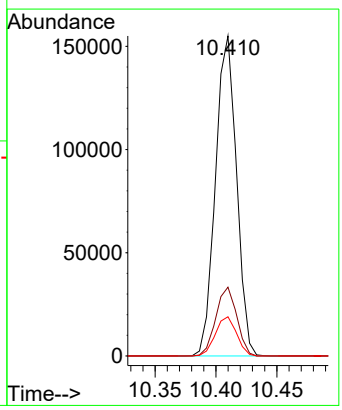
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

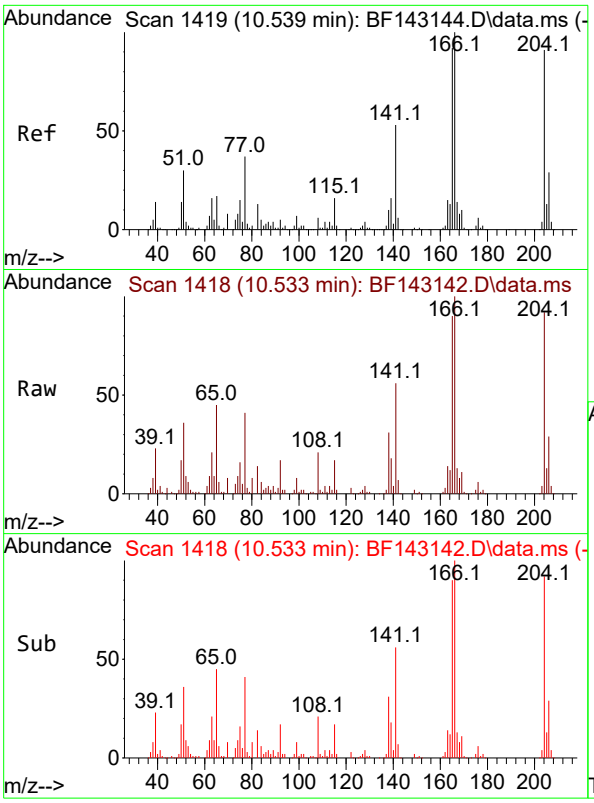


#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

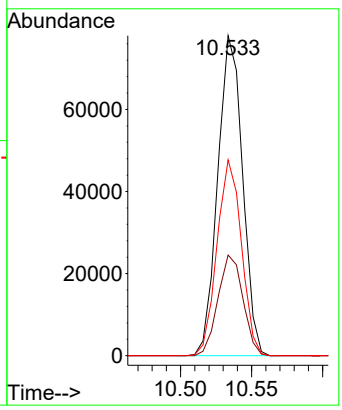
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

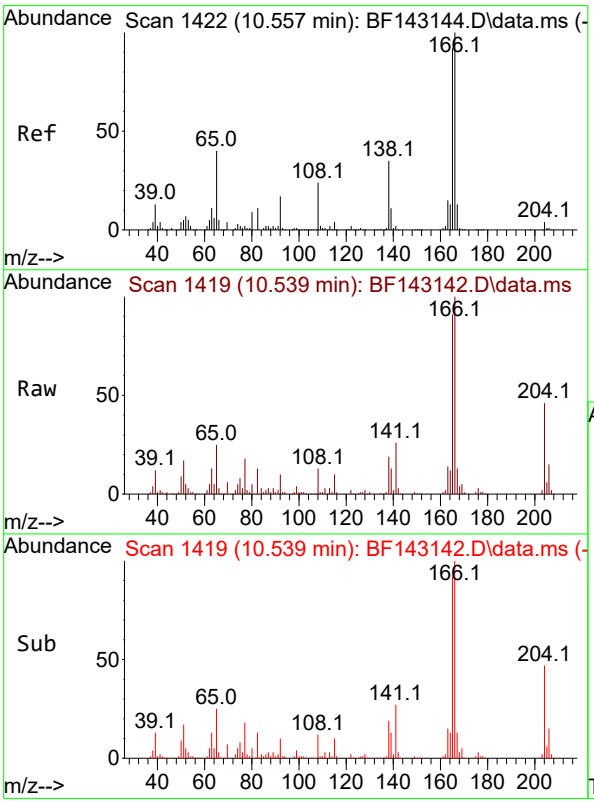
Tgt Ion:204 Resp: 9468

Ion	Ratio	Lower	Upper
204	100		
206	31.4	25.8	38.8
141	61.2	47.0	70.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

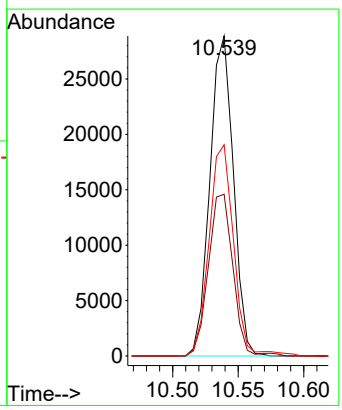


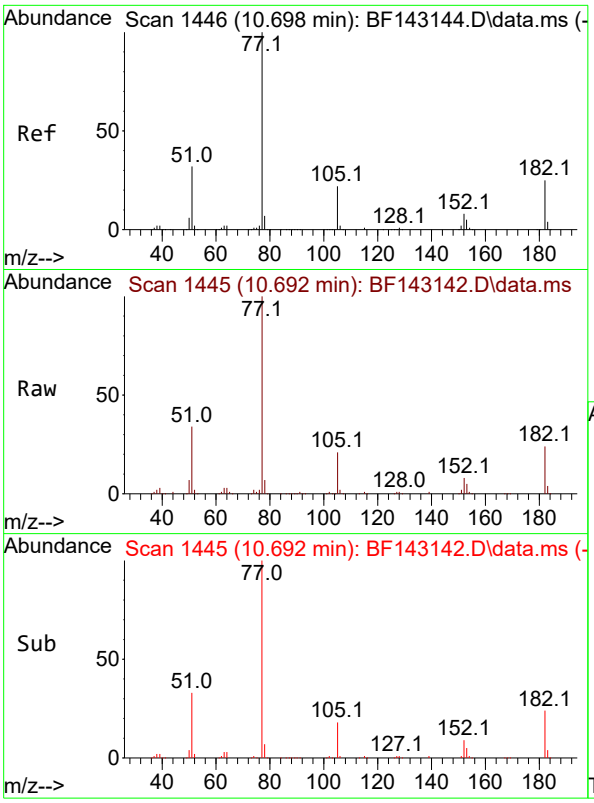


#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

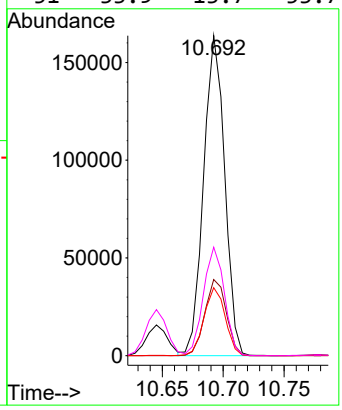
Tgt Ion: 77 Resp: 19799

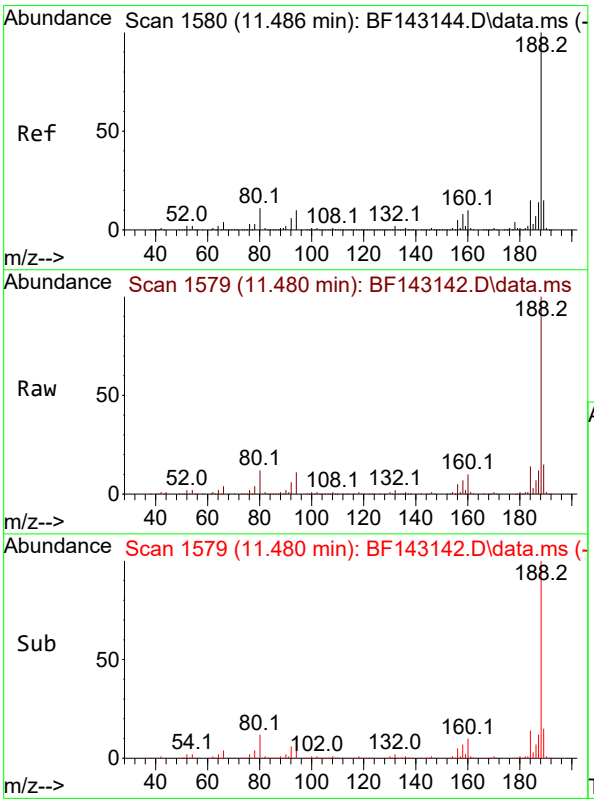
Ion	Ratio	Lower	Upper
77	100		
182	23.8	4.6	44.6
105	21.2	1.4	41.4
51	33.9	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

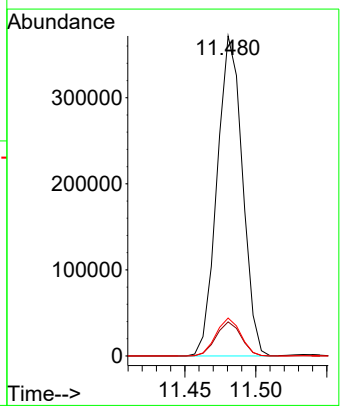


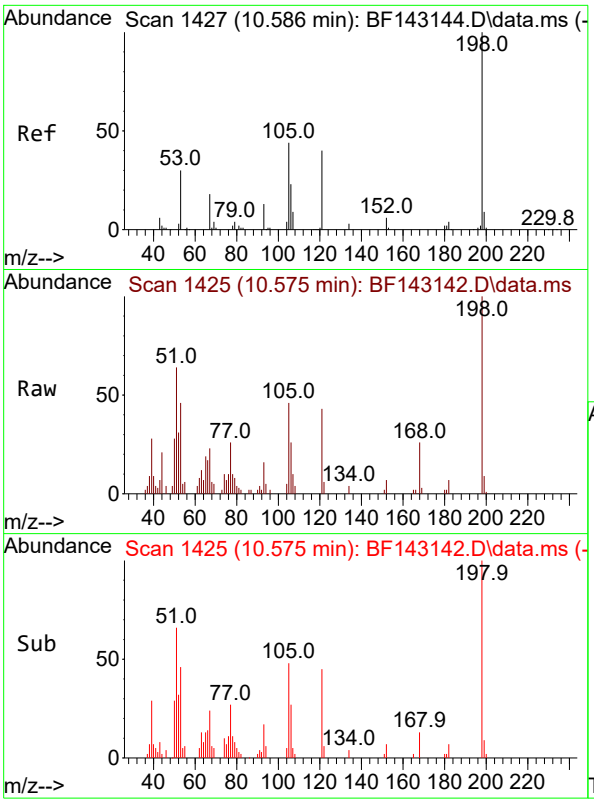


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

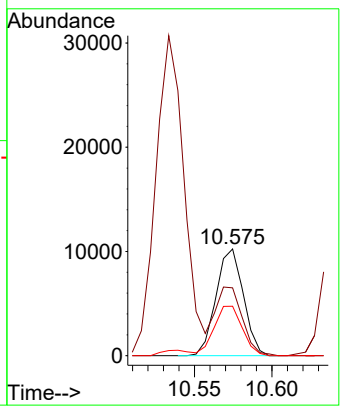
Tgt Ion:198 Resp: 1254

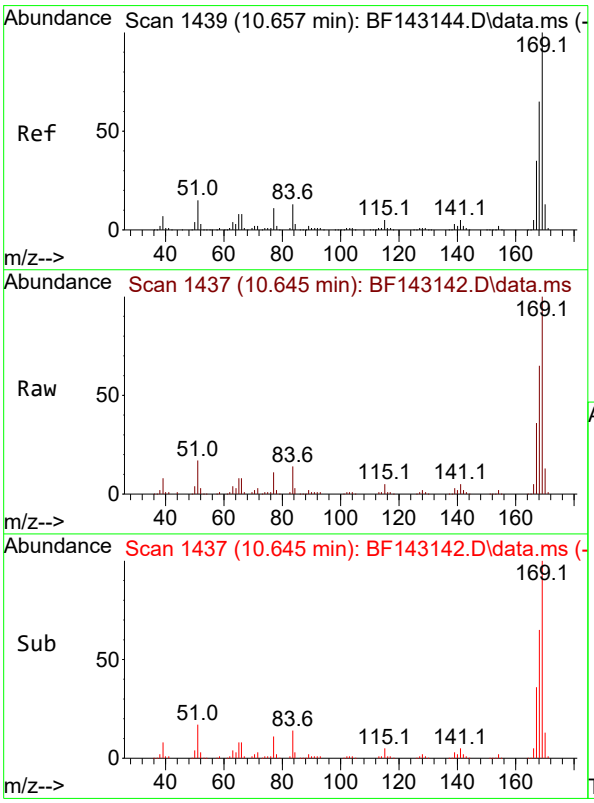
Ion	Ratio	Lower	Upper
198	100		
51	63.6	37.2	77.2
105	46.4	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

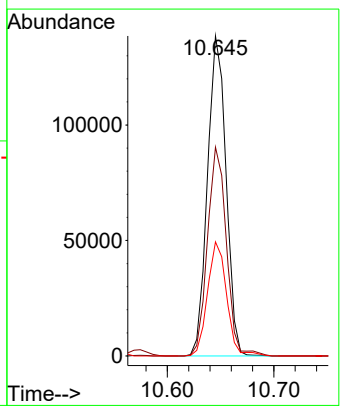


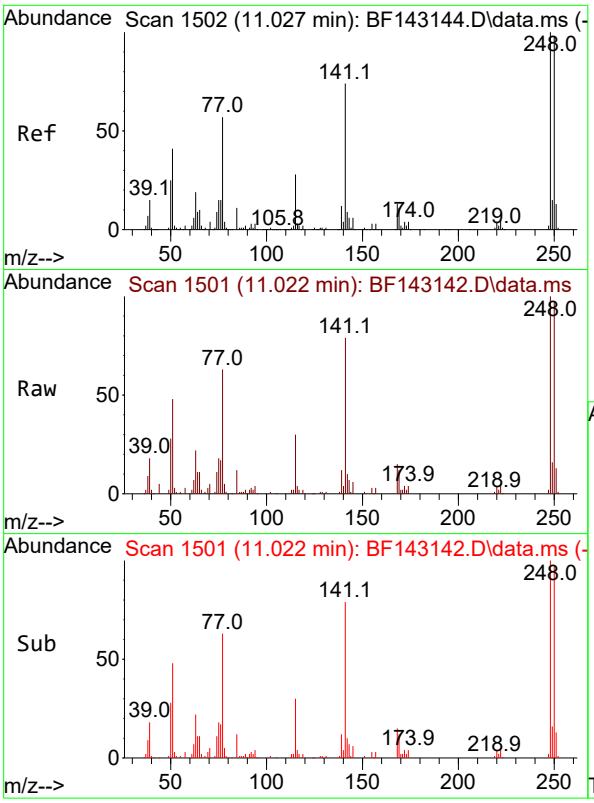


#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

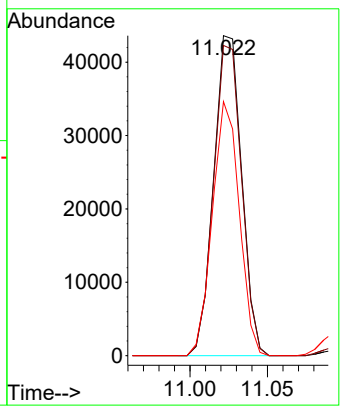
Tgt Ion:248 Resp: 5484

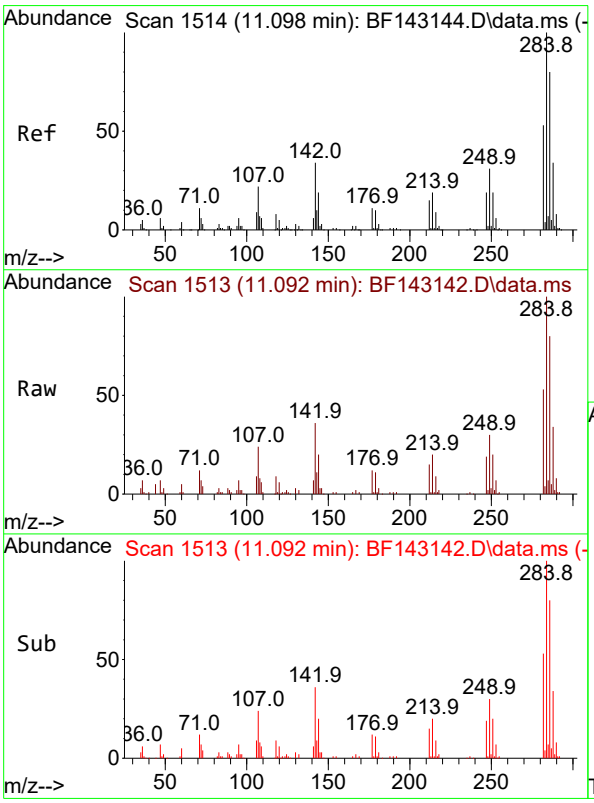
Ion	Ratio	Lower	Upper
248	100		
250	97.0	78.3	117.5
141	79.4	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

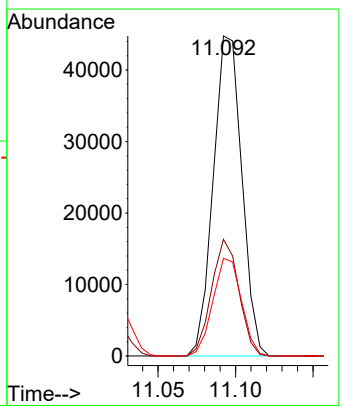


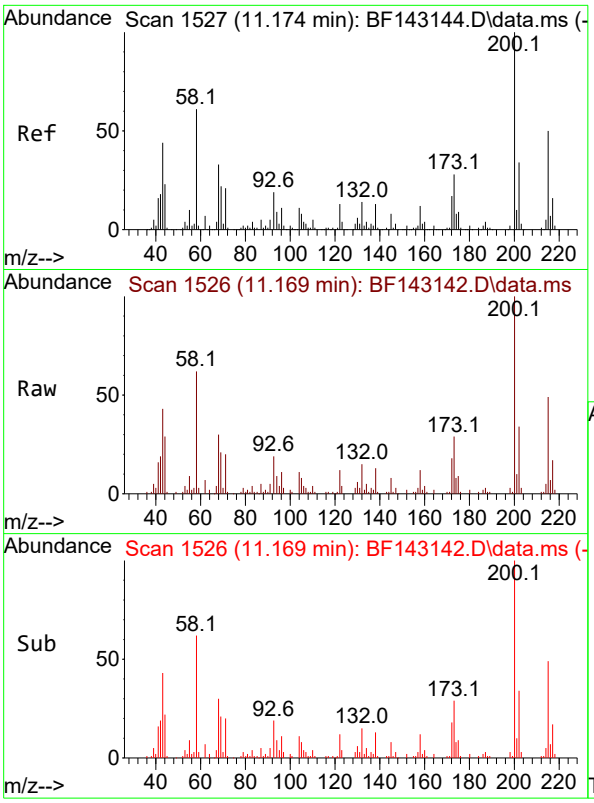


#68
Hexachlorobenzene
Concen: 9.974 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

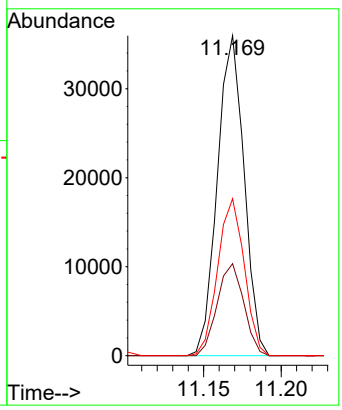
Tgt Ion:200 Resp: 4304

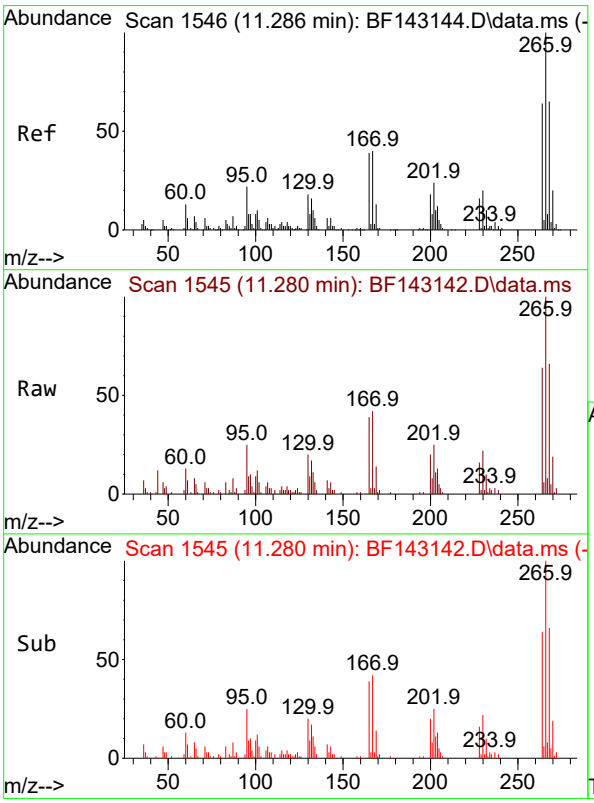
Ion	Ratio	Lower	Upper
200	100		
173	28.7	7.9	47.9
215	49.1	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

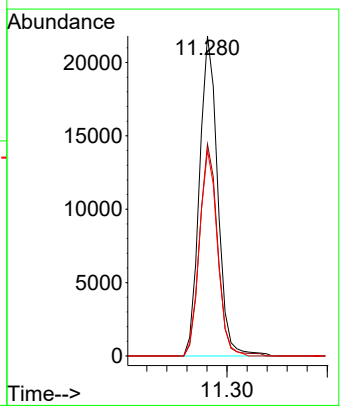


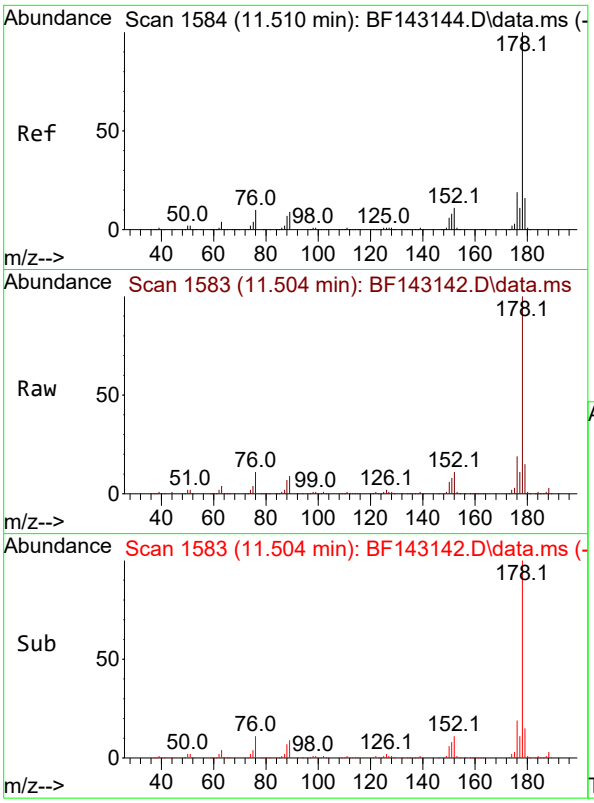


#70
Pentachlorophenol
Concen: 8.148 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

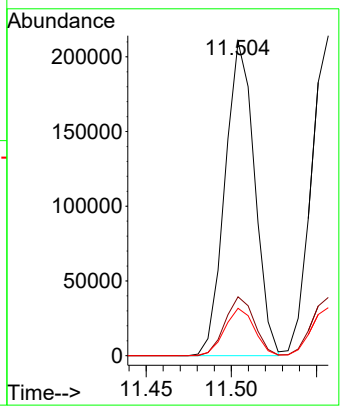
Tgt Ion:178 Resp: 25375

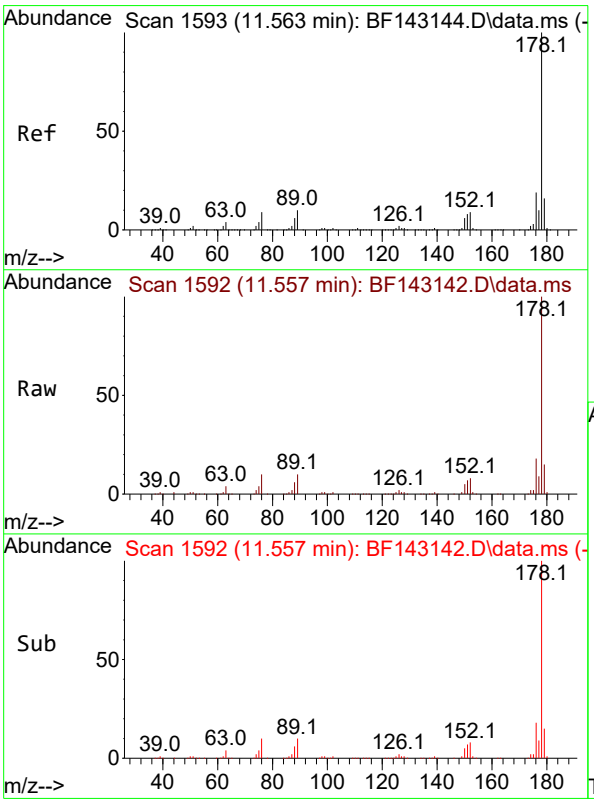
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.1	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

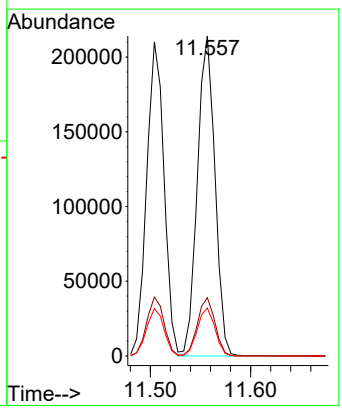


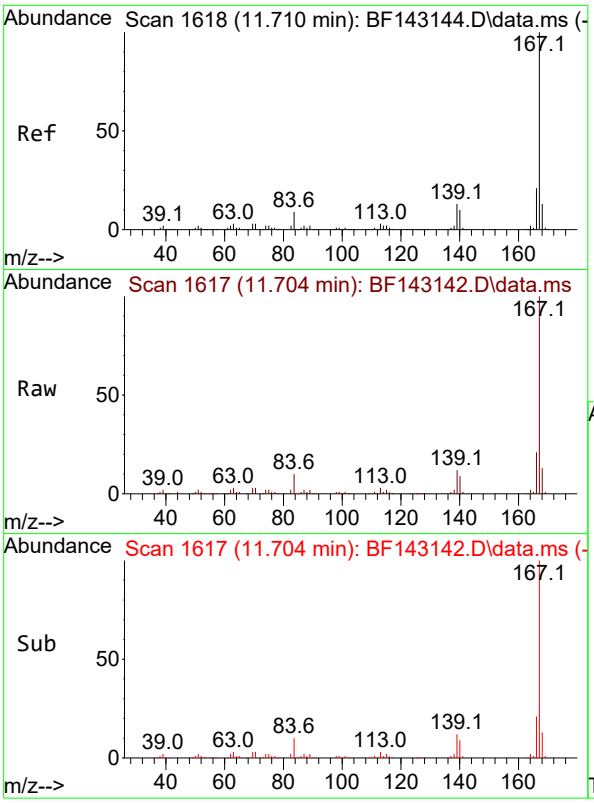


#72
Anthracene
Concen: 10.487 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

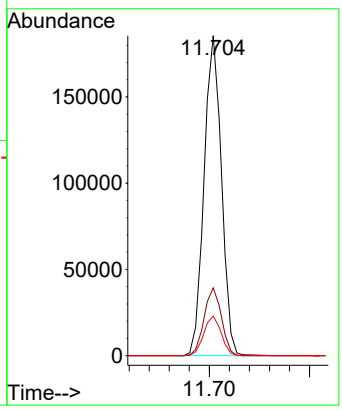
Tgt Ion:167 Resp: 22337

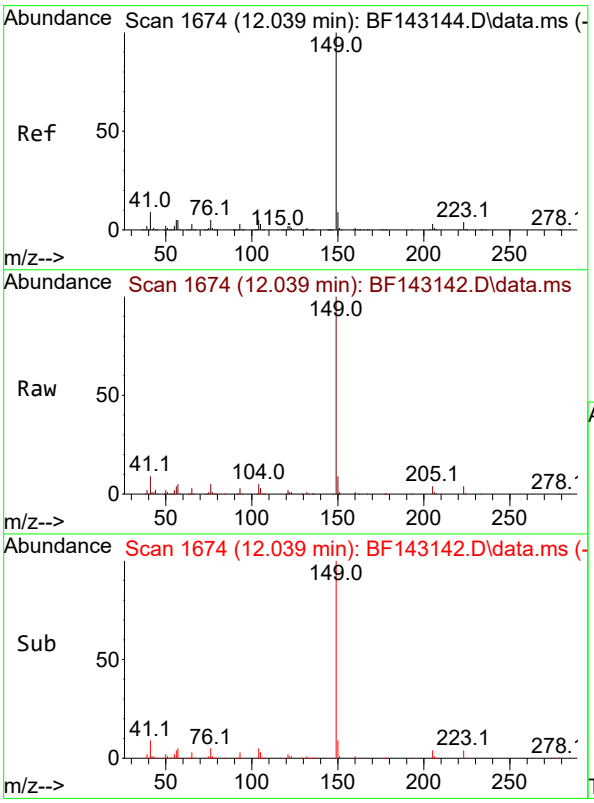
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.4	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

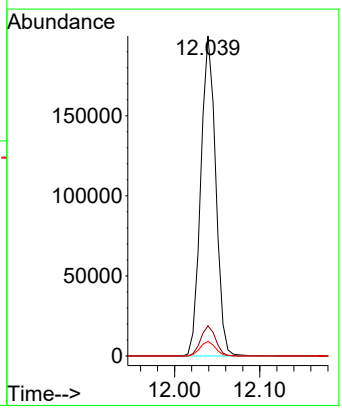


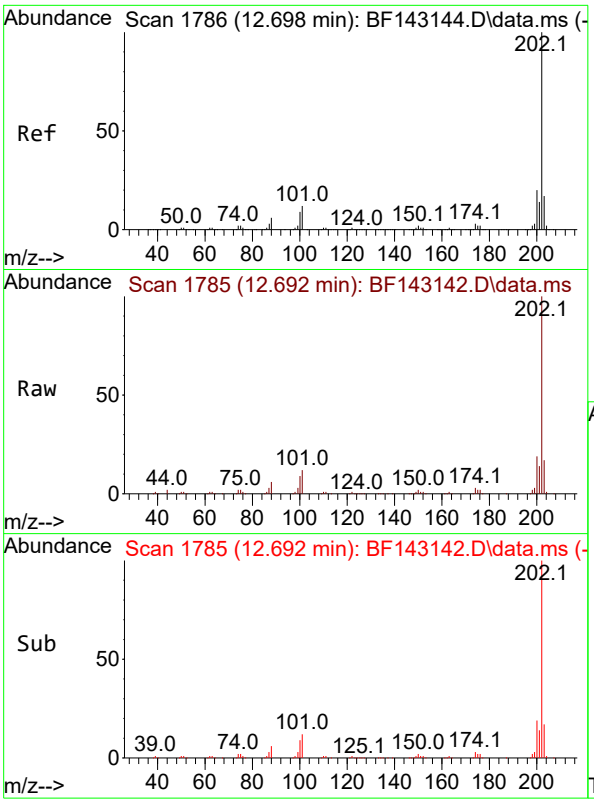


#74
Di-n-butylphthalate
Concen: 9.852 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

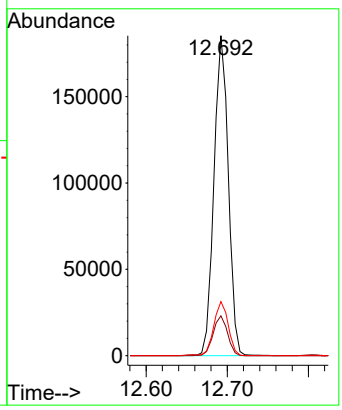
Tgt Ion:202 Resp: 22770

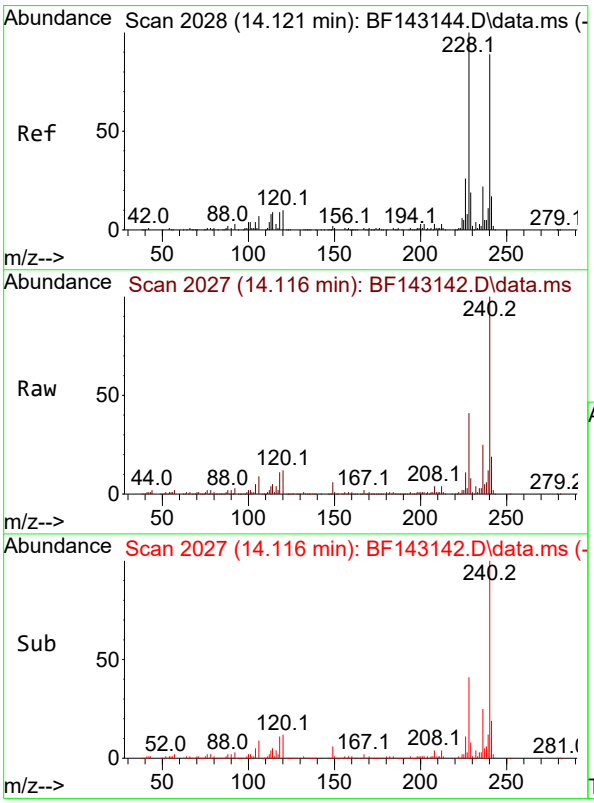
Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.7
203	16.9	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

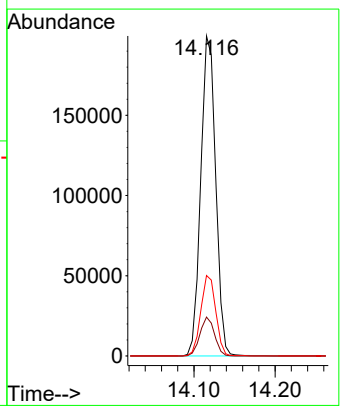


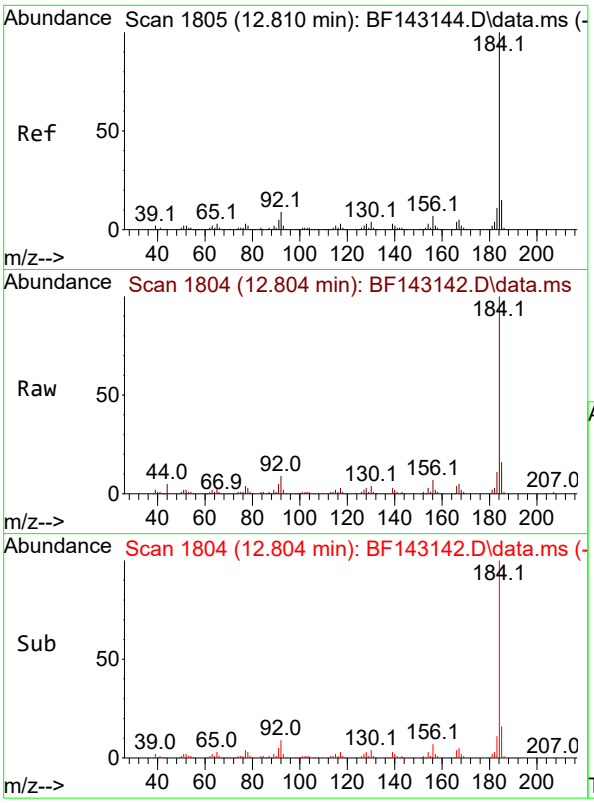


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

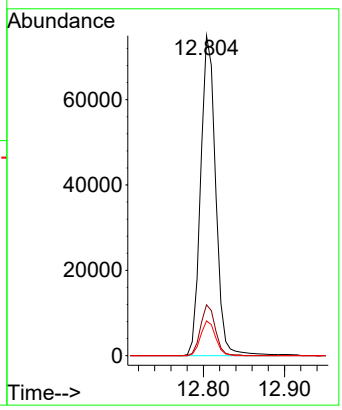
Tgt Ion:184 Resp: 9648

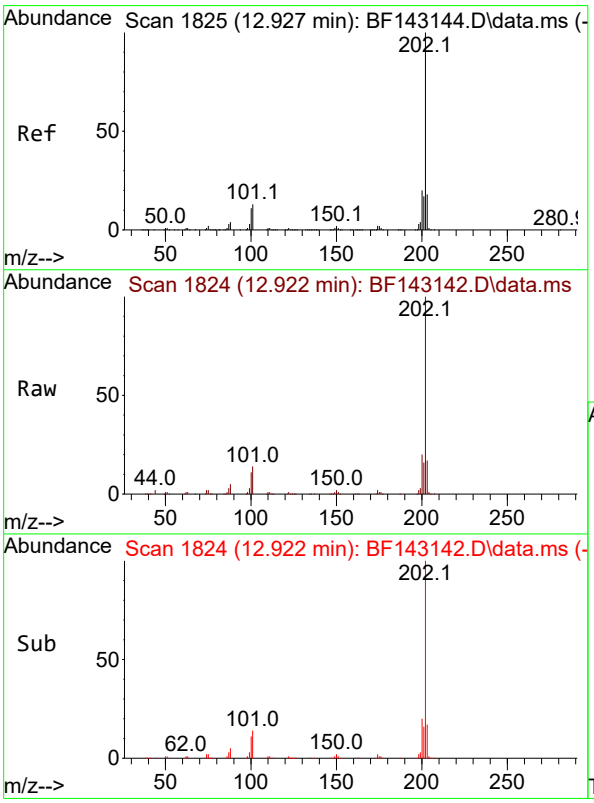
Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.2	18.4
183	10.9	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

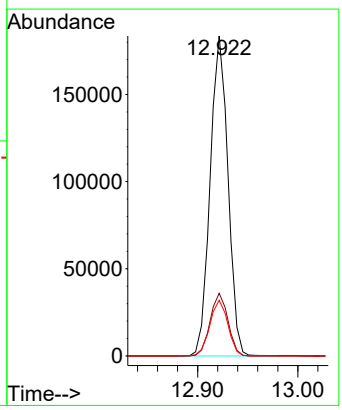


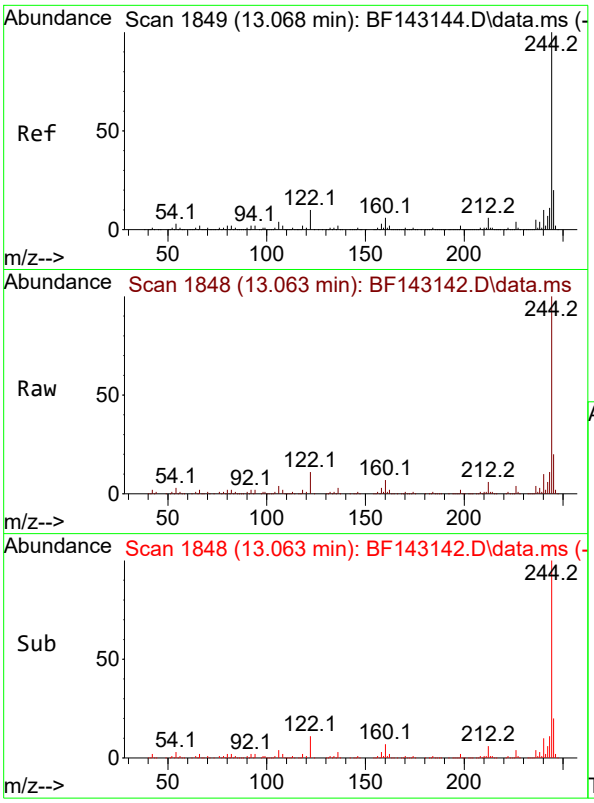


#78
Pyrene
Concen: 10.445 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

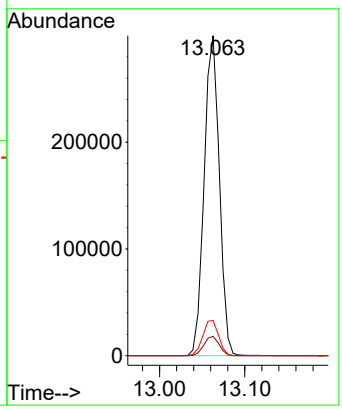
Tgt Ion:244 Resp: 370808

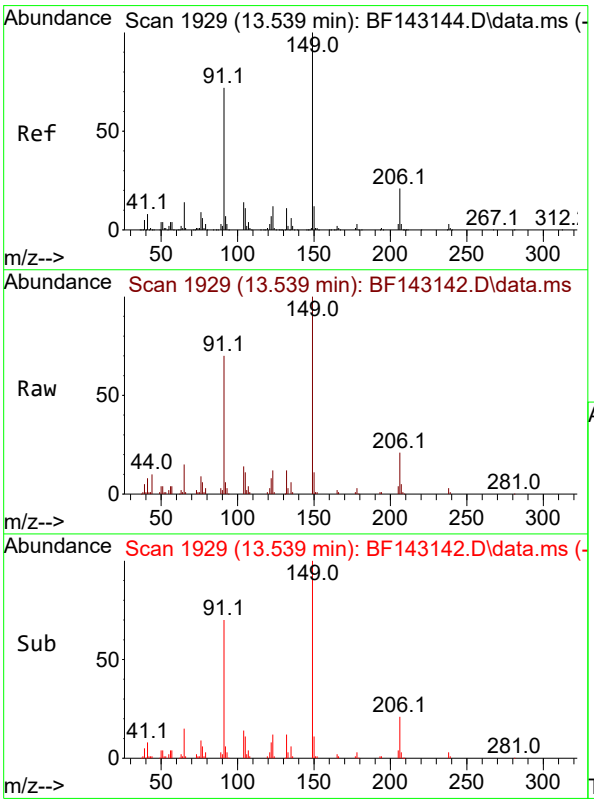
Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.2	7.8
122	11.0	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

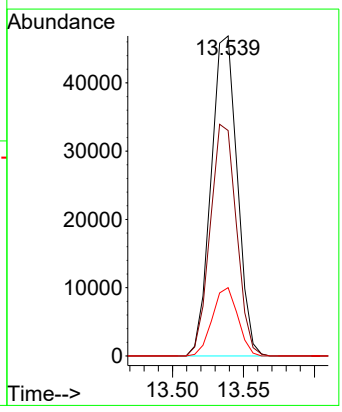


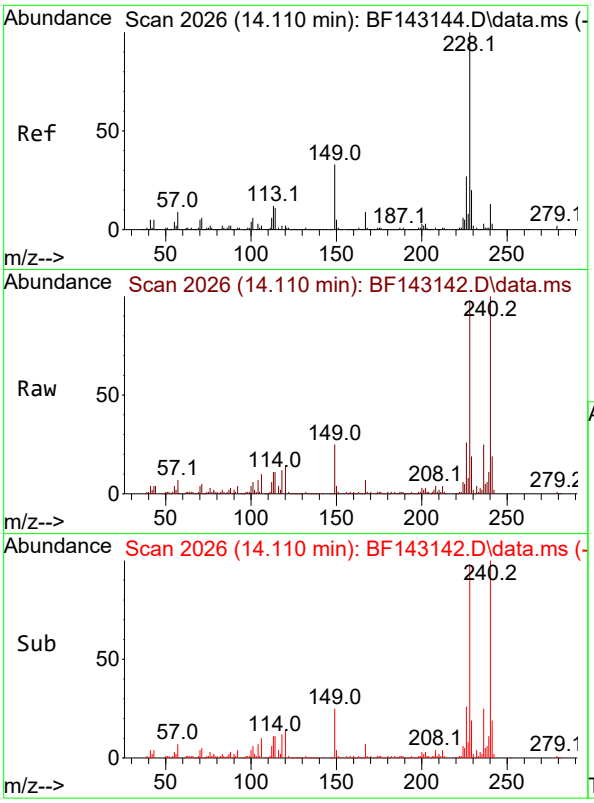


#80
Butylbenzylphthalate
Concen: 9.024 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

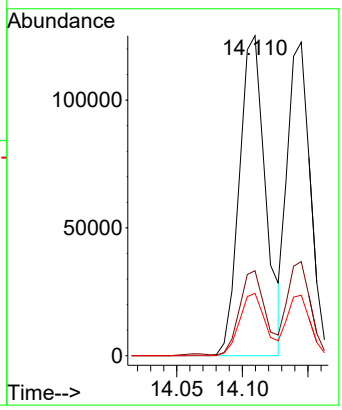
Tgt Ion:228 Resp: 17402(

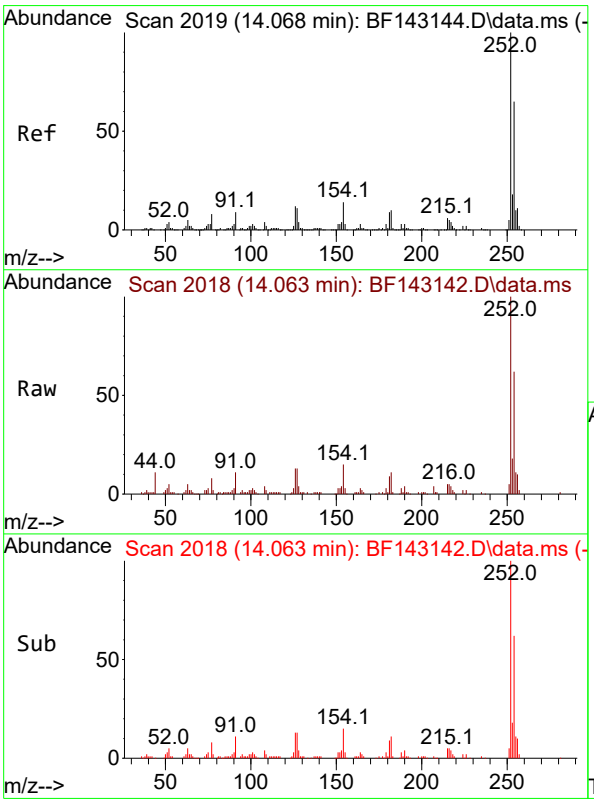
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.5	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

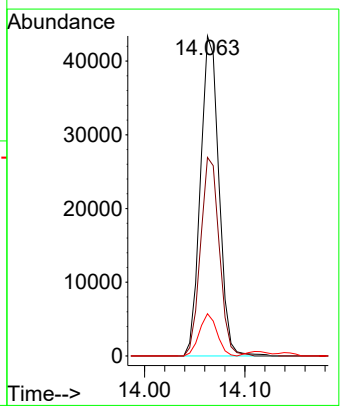


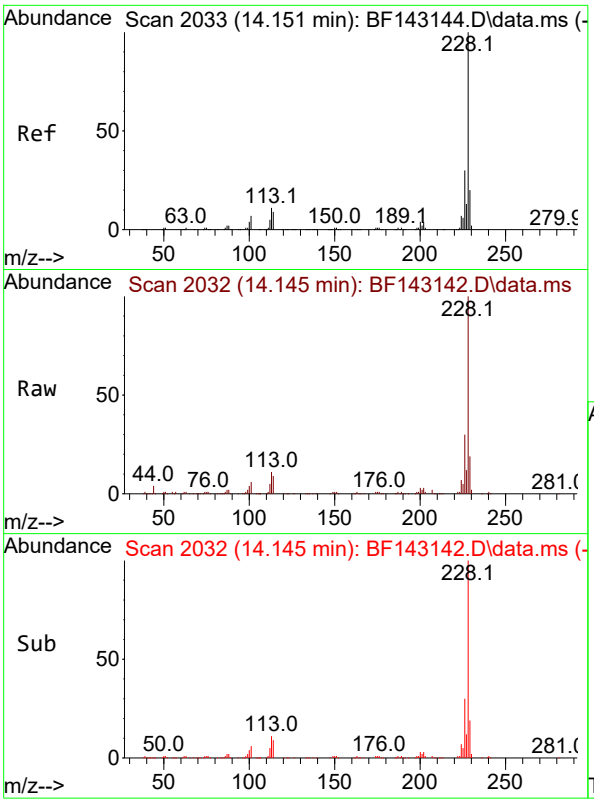


#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

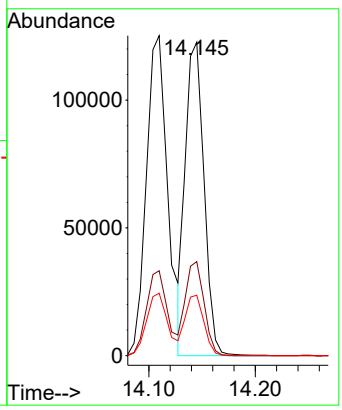
Tgt Ion:228 Resp: 14944(

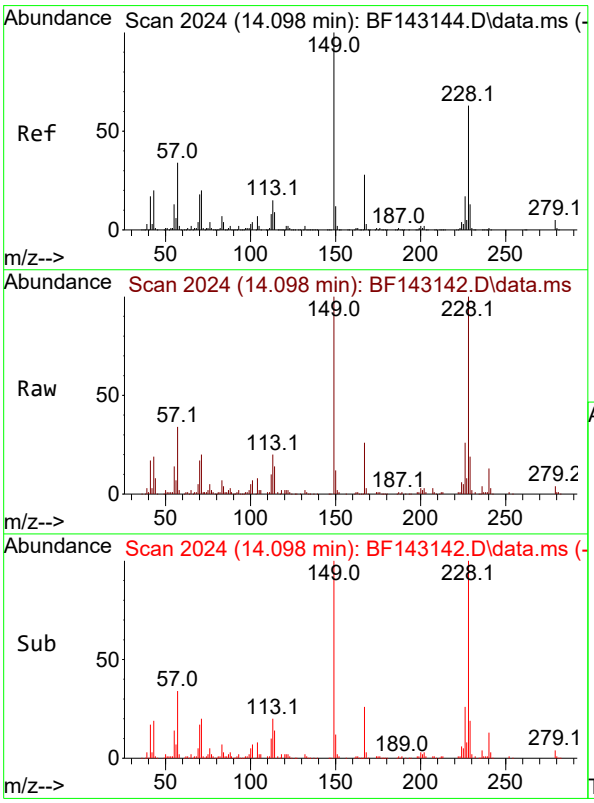
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	19.3	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

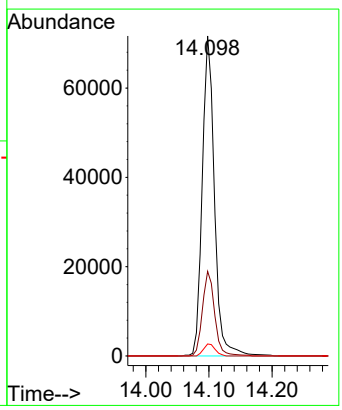


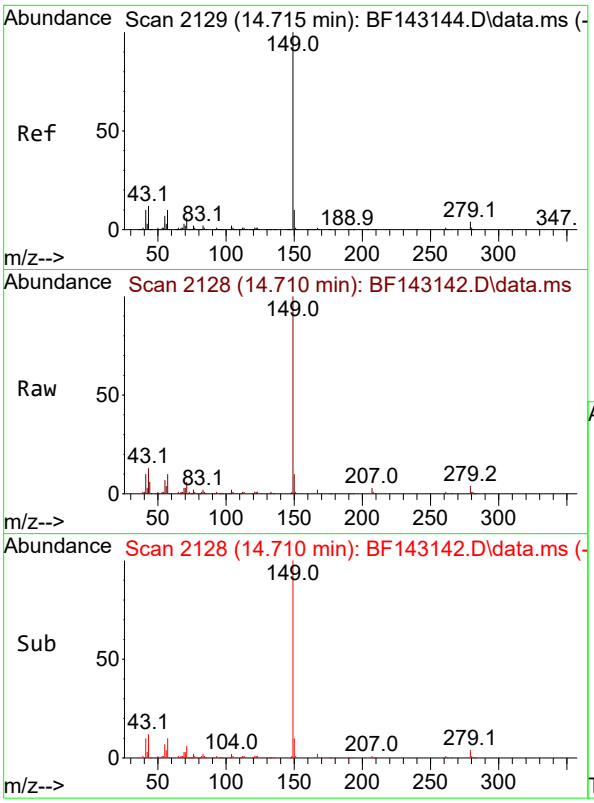


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.549 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

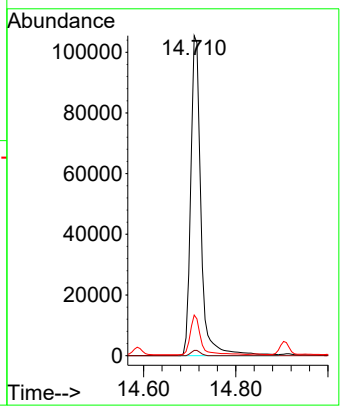
Tgt Ion:149 Resp: 16215

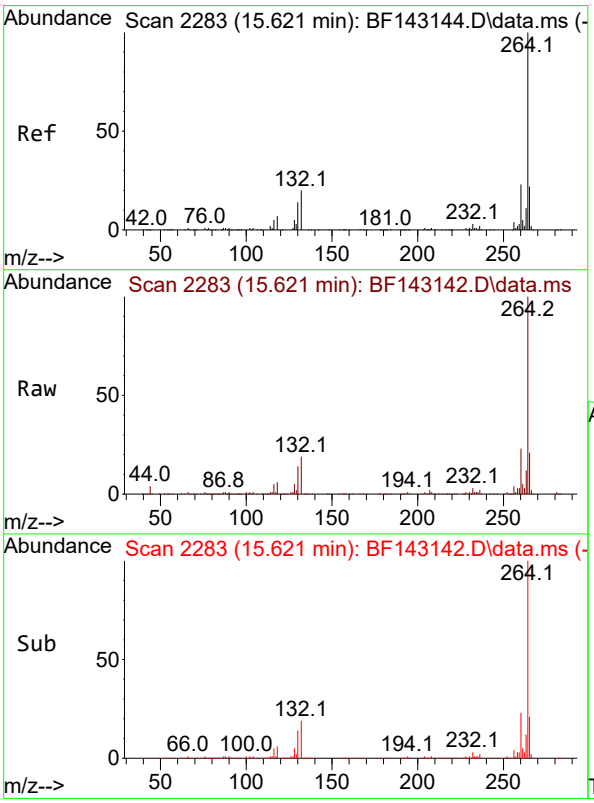
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.7	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

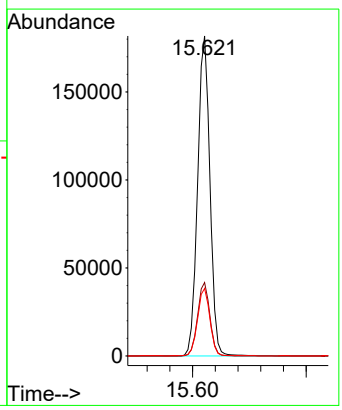


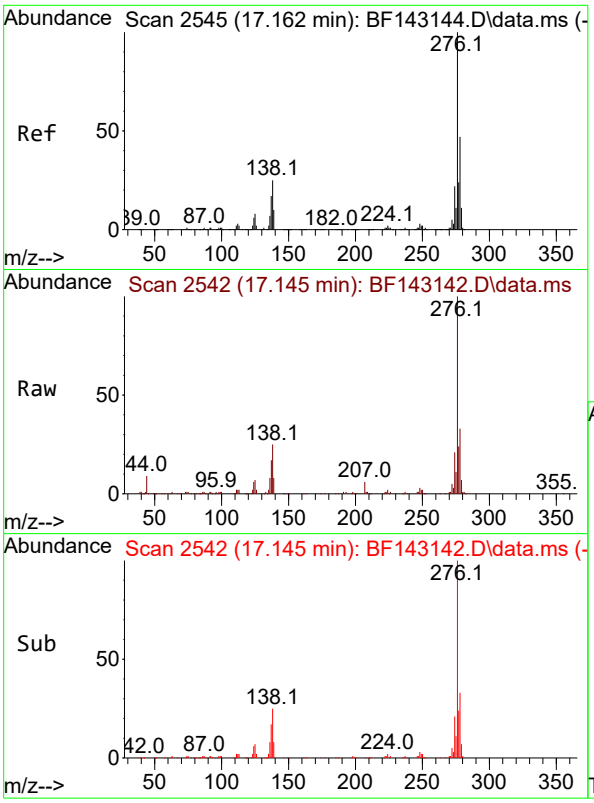


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

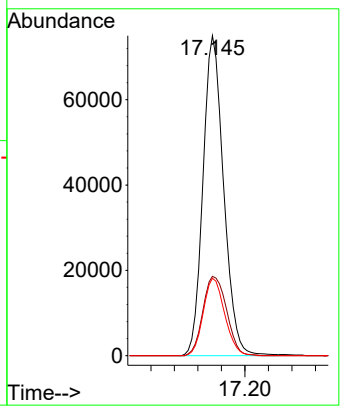
Tgt Ion:276 Resp: 18286

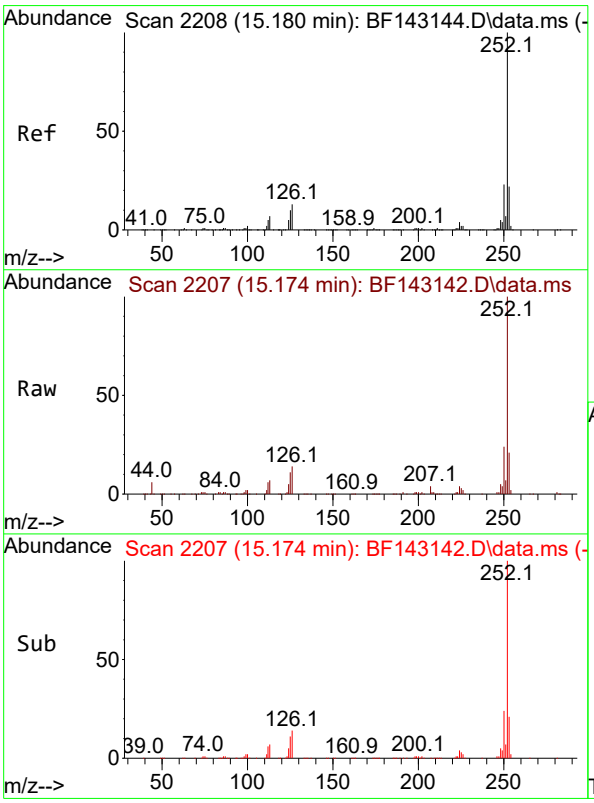
Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.6
277	25.1	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

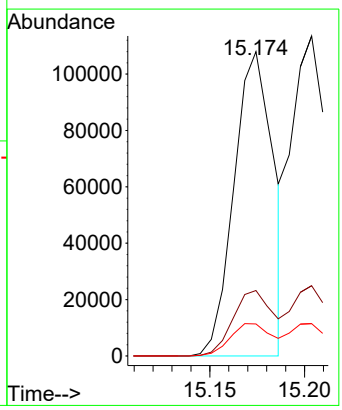


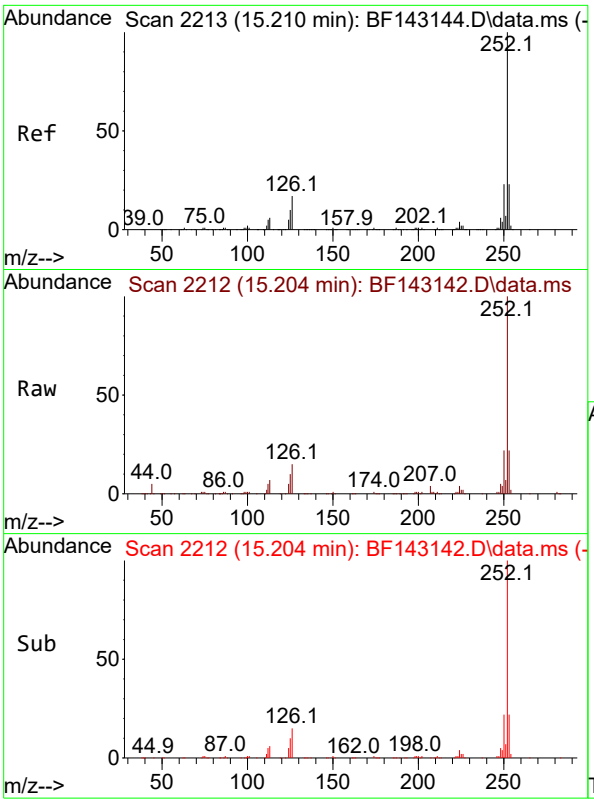


#88
Benzo(b)fluoranthene
Concen: 9.296 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

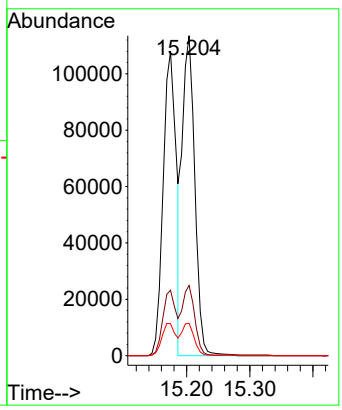
Tgt Ion:252 Resp: 15766

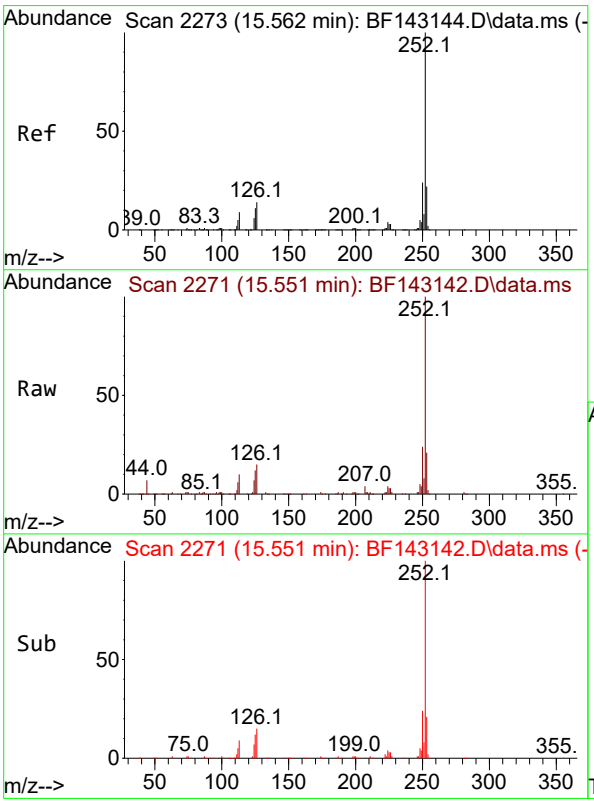
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.1	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

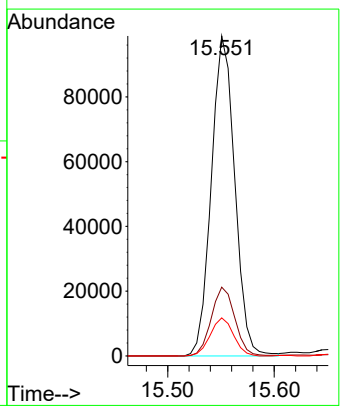


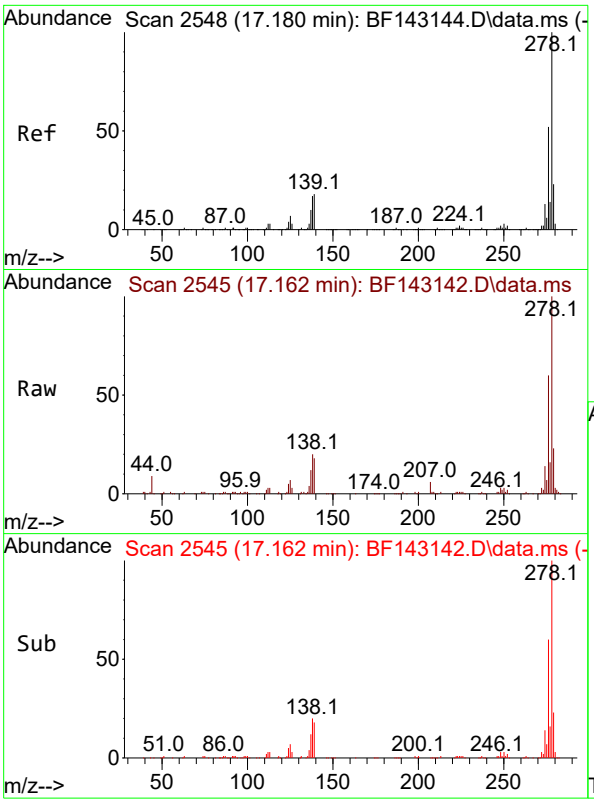


#90
Benzo(a)pyrene
Concen: 9.792 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

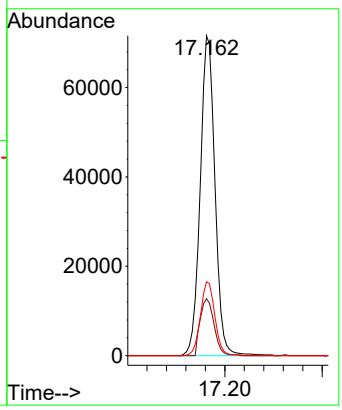
Tgt Ion:278 Resp: 15097

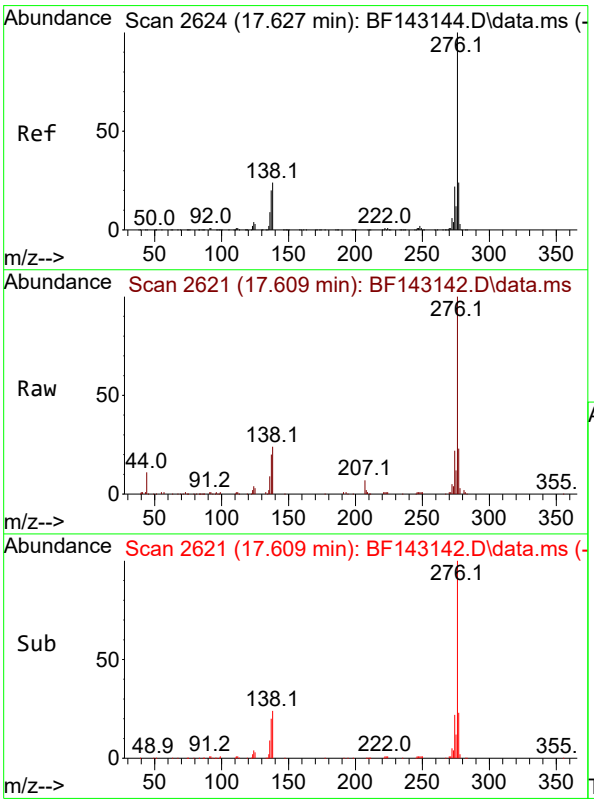
Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.1	21.1
279	23.1	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

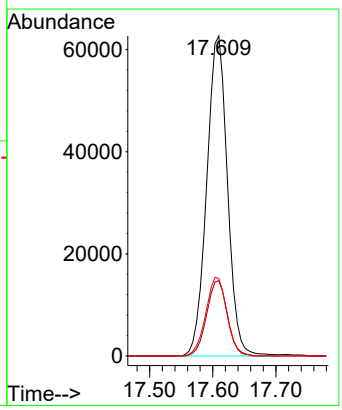




#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



Quantitation Report (QT Reviewed)

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)
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

Quantitation Report (QT Reviewed)

ICAL Form

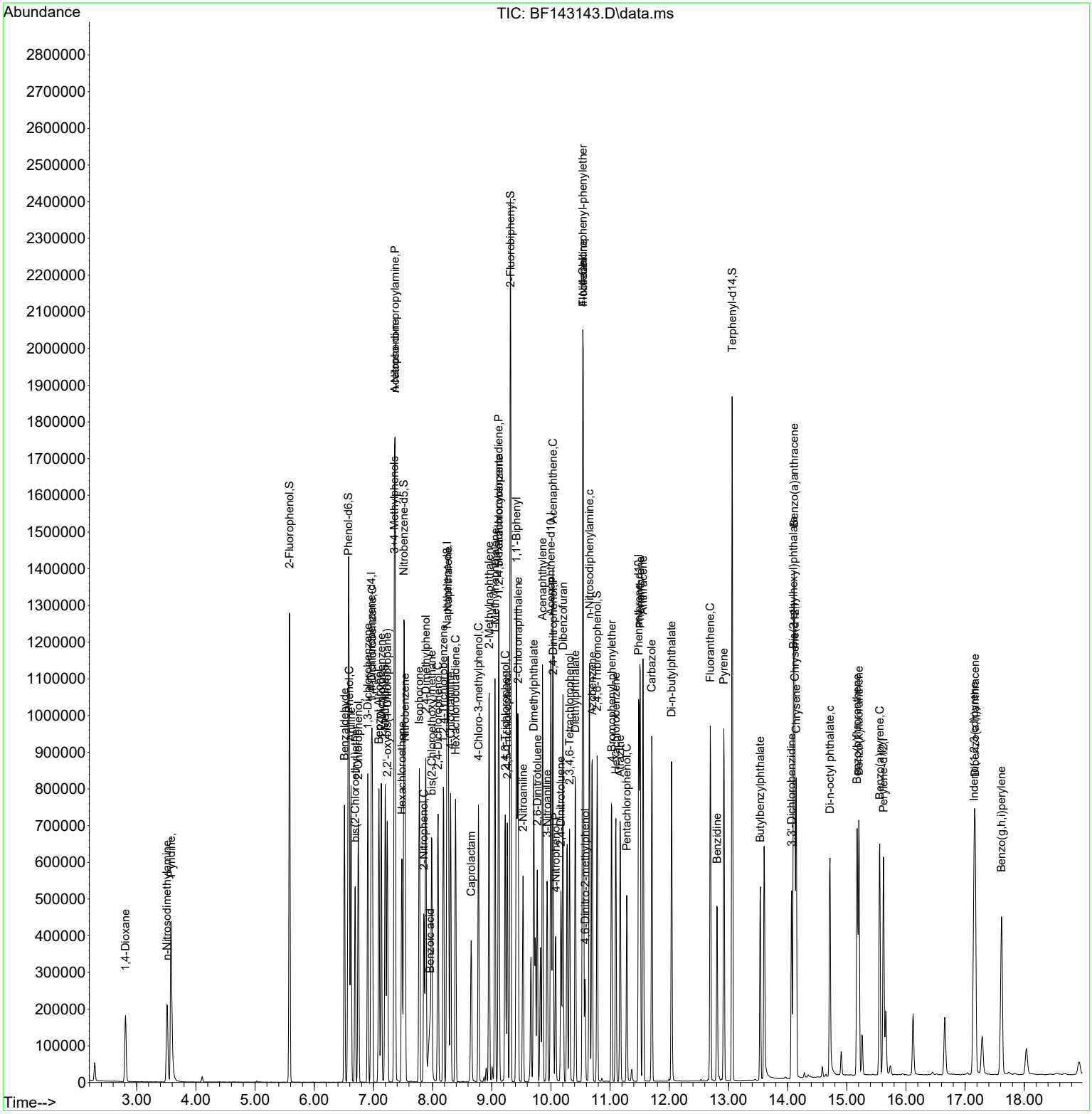
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143143.D
Acq On : 17 Jul 2025 12:34
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 6 Sample Multiplier: 1

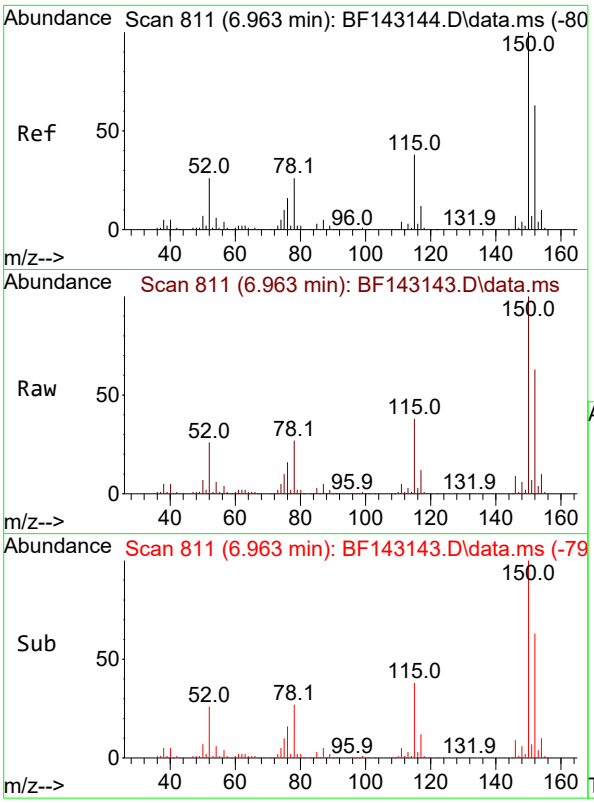
Quant Time: Jul 17 15:02:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025





#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

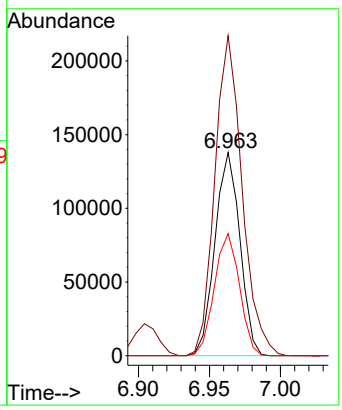
Tgt Ion:152 Resp: 16849

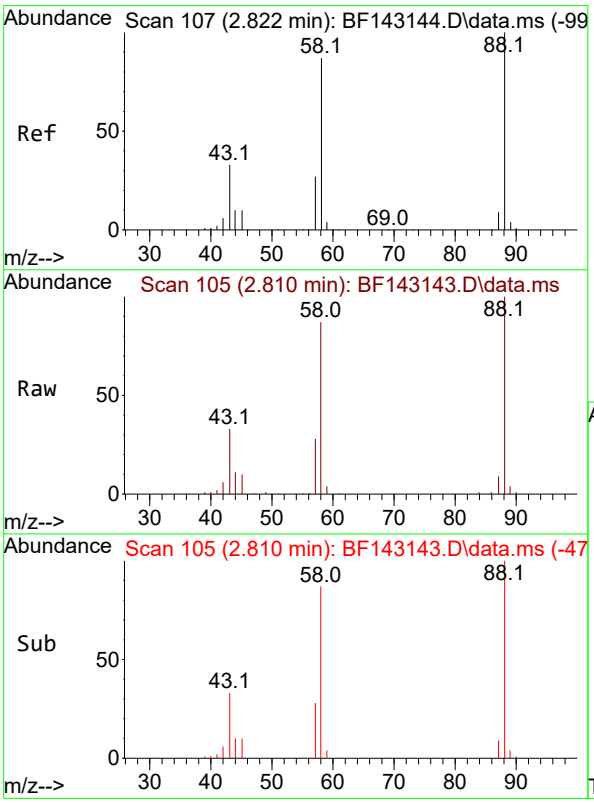
Ion	Ratio	Lower	Upper
152	100		
150	157.5	128.2	192.4
115	60.1	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

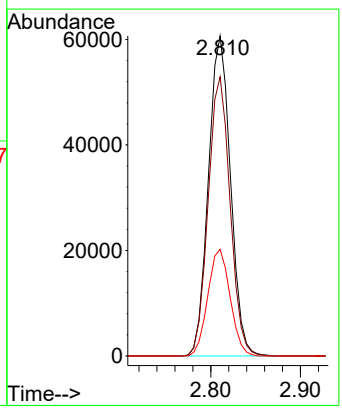


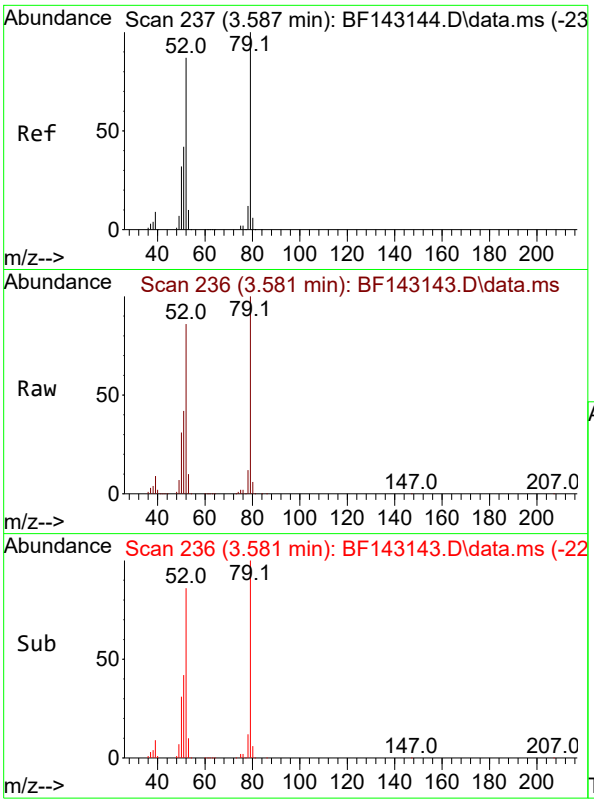


#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

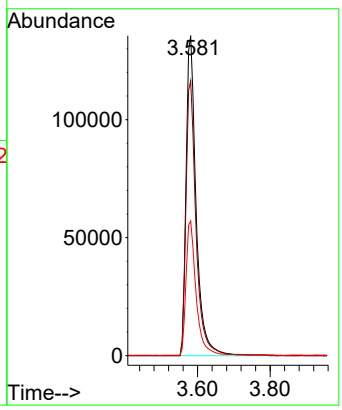
Tgt Ion: 79 Resp: 26140

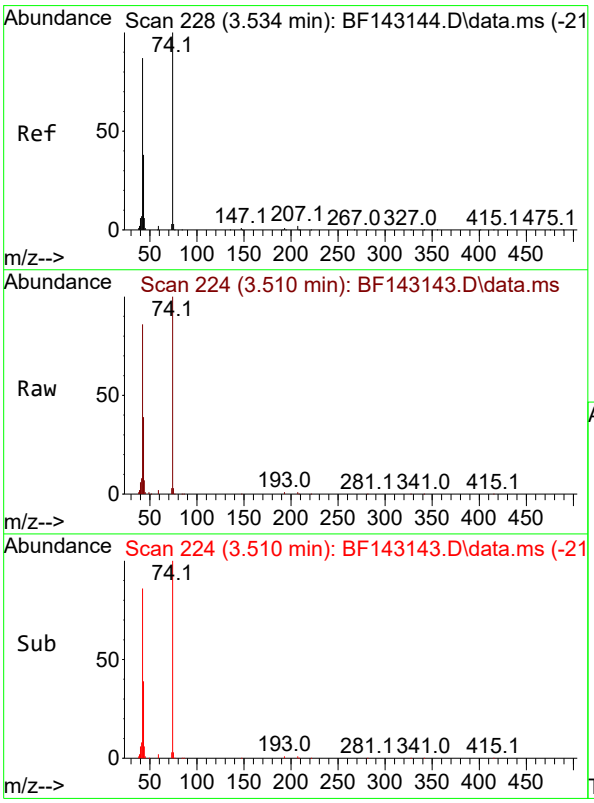
Ion	Ratio	Lower	Upper
79	100		
52	85.9	69.4	104.2
51	42.1	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

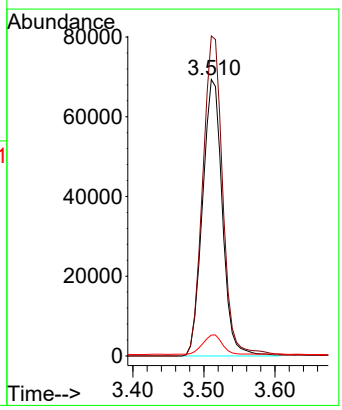


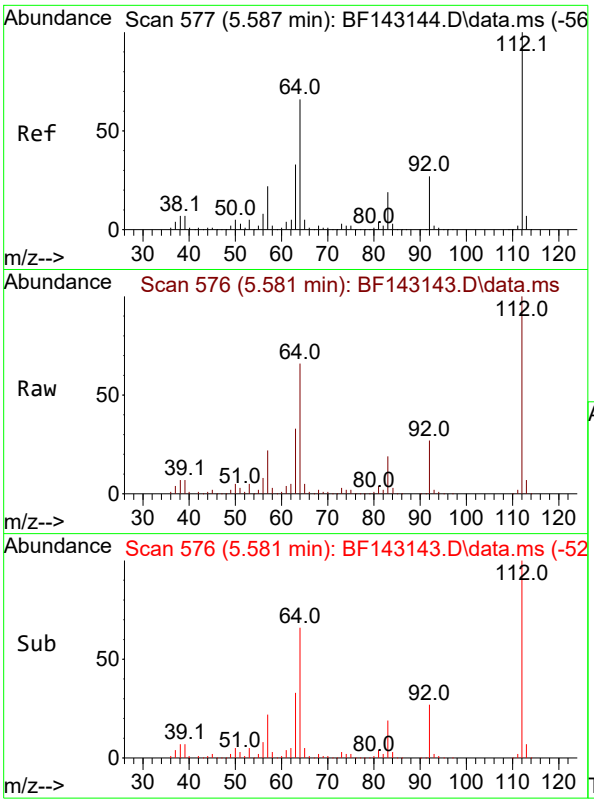


#4
n-Nitrosodimethylamine
Concen: 19.942 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

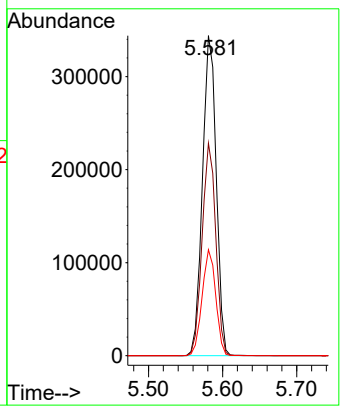
Tgt Ion:112 Resp: 44454

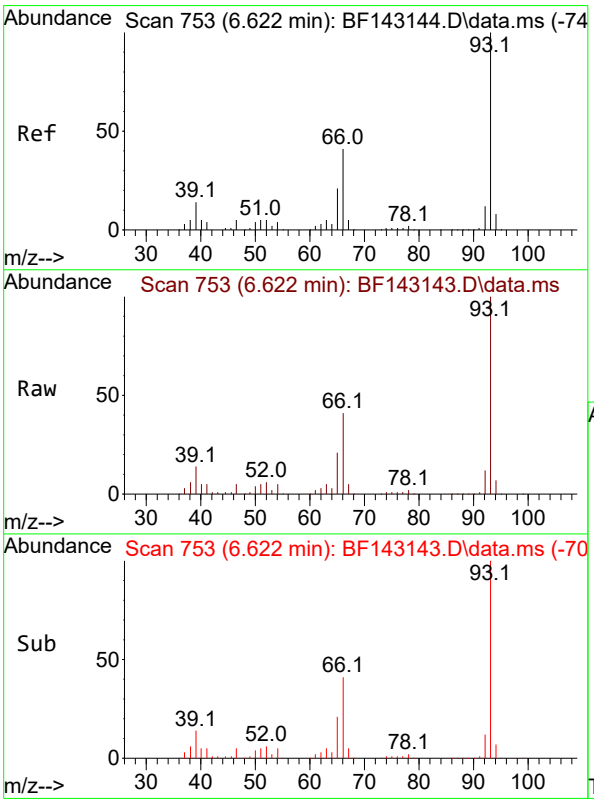
Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.1	79.7
63	33.1	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

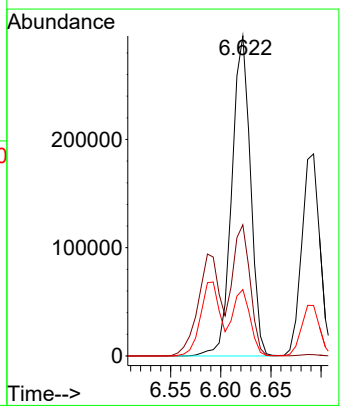


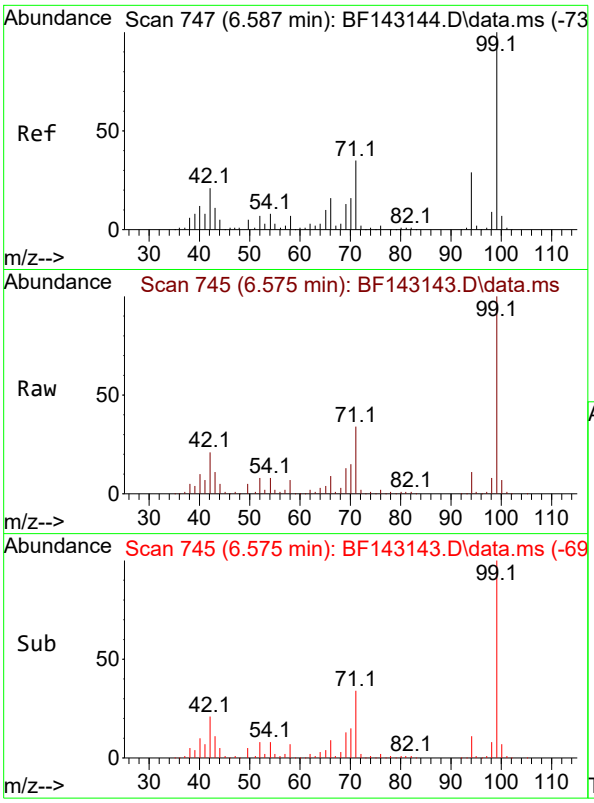


#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

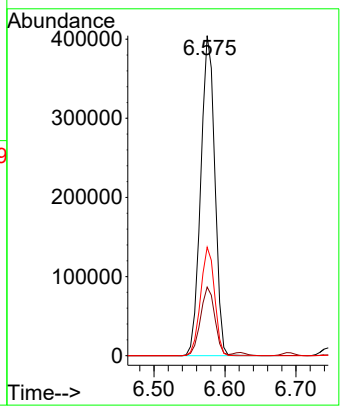
Tgt Ion: 99 Resp: 55842

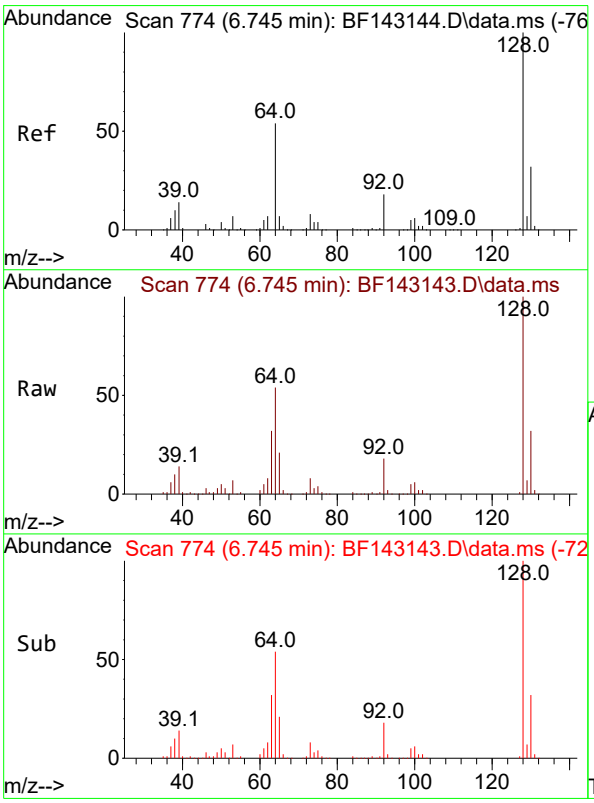
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	33.9	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

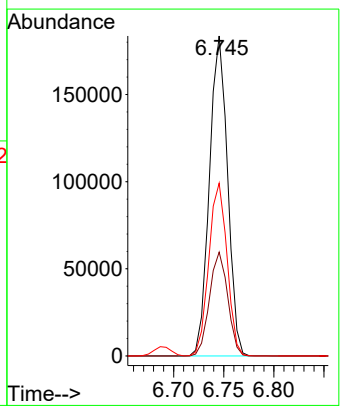


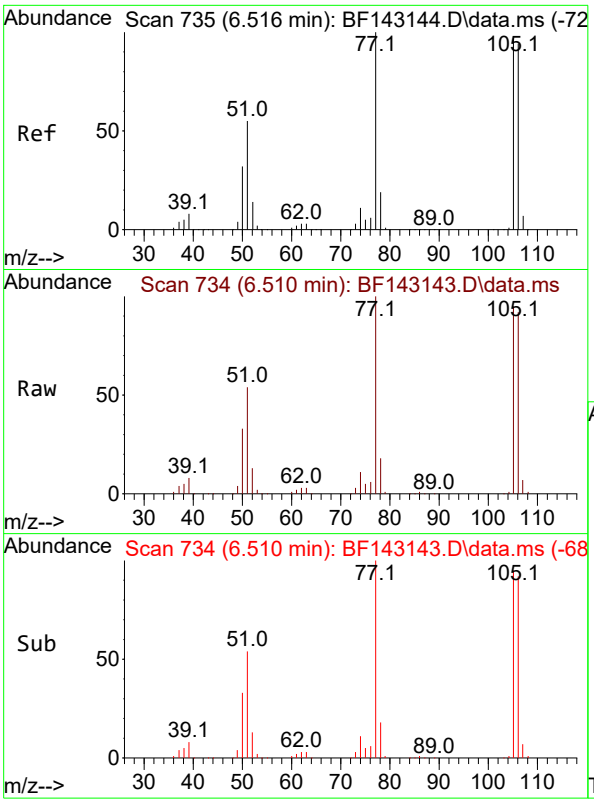


#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

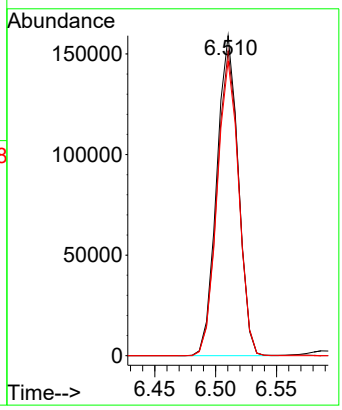
Tgt Ion: 77 Resp: 19600

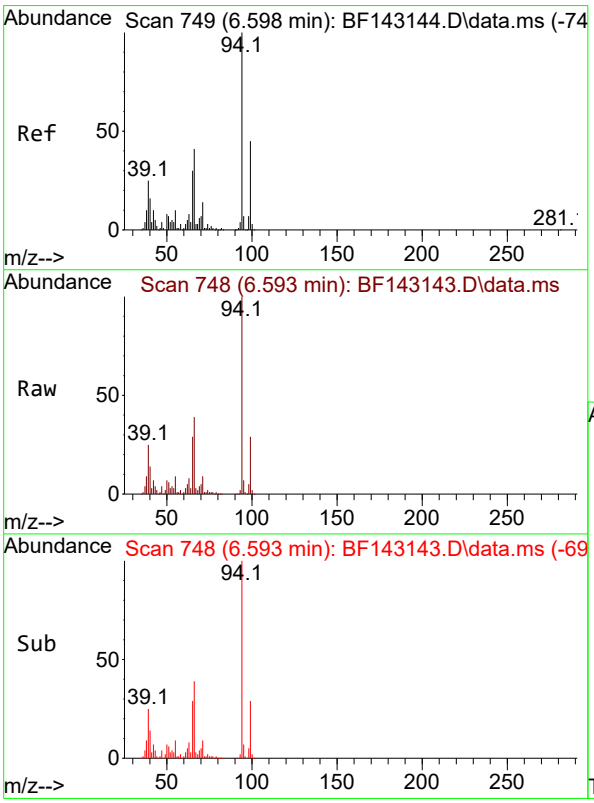
Ion	Ratio	Lower	Upper
77	100		
105	95.3	76.8	116.8
106	92.0	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

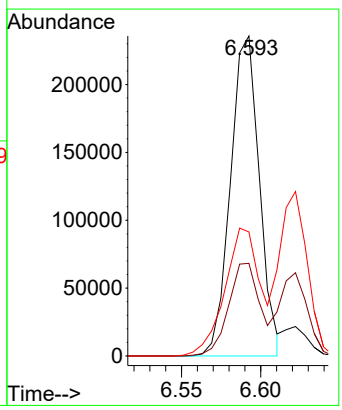


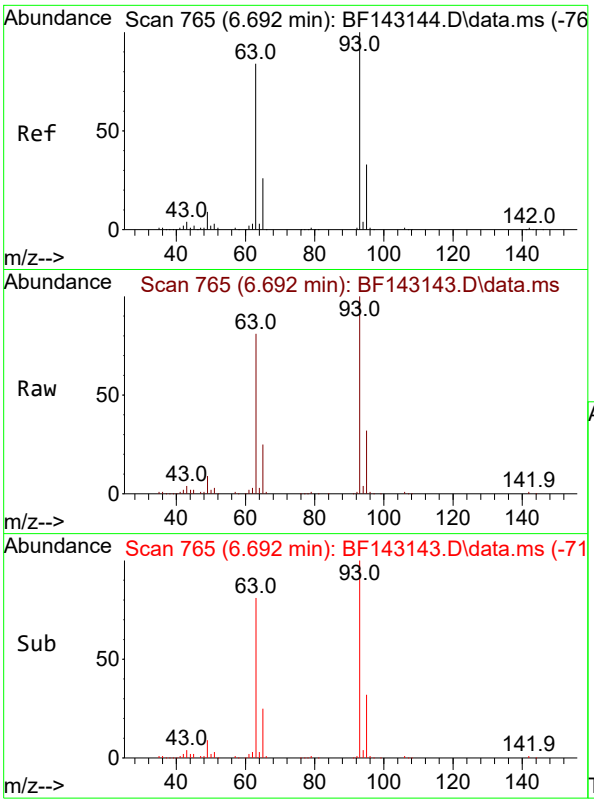


#10
Phenol
Concen: 20.497 ng m
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

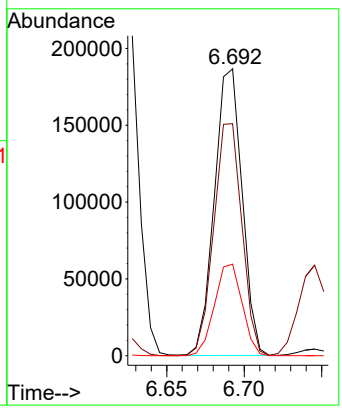
Tgt Ion: 93 Resp: 23242

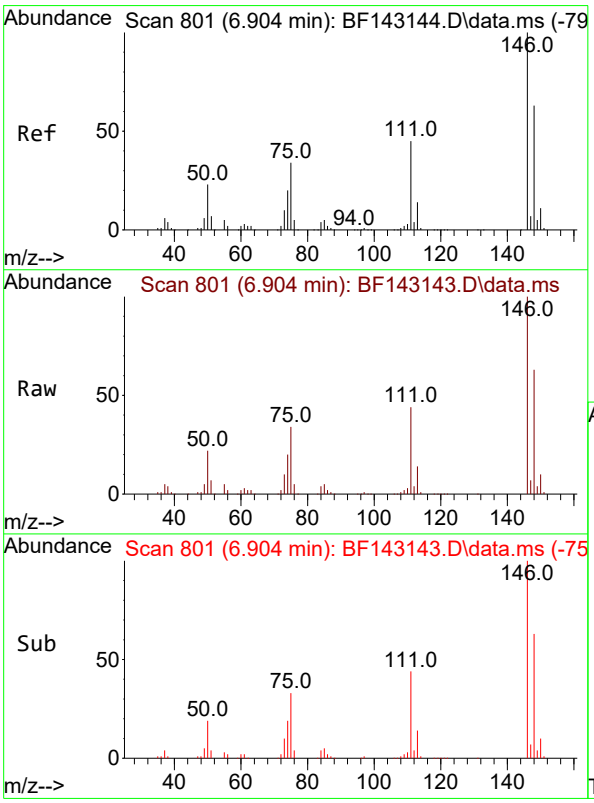
Ion	Ratio	Lower	Upper
93	100		
63	80.9	63.4	103.4
95	31.9	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

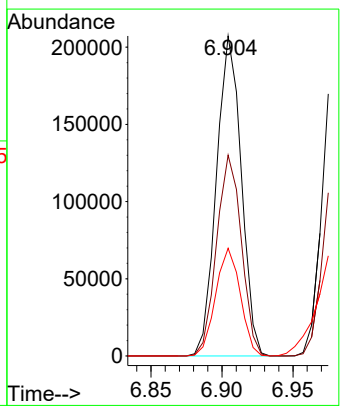


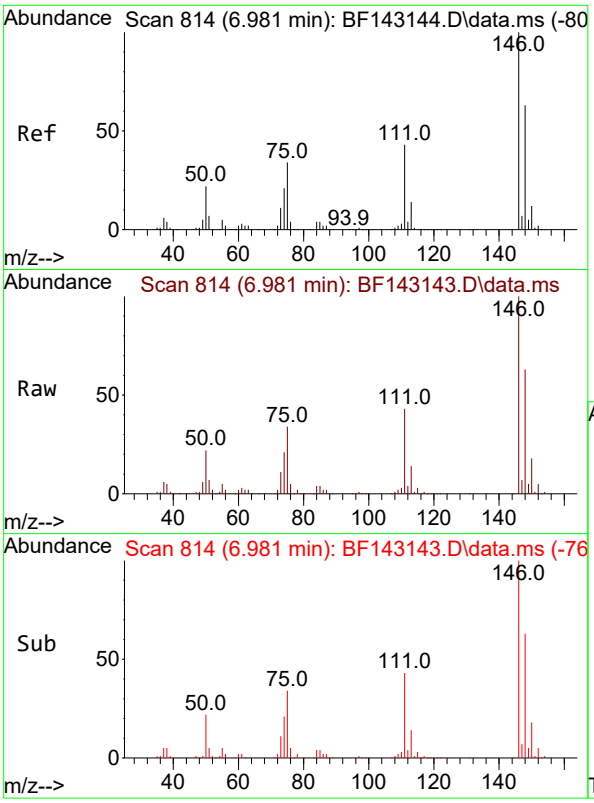


#12
1,3-Dichlorobenzene
Concen: 20.763 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

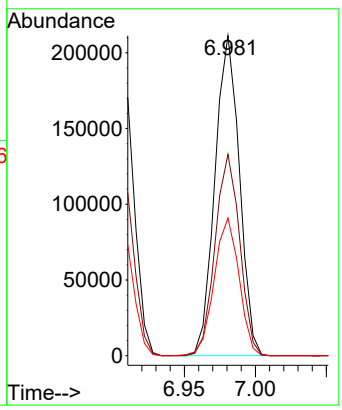
Tgt Ion:146 Resp: 25313

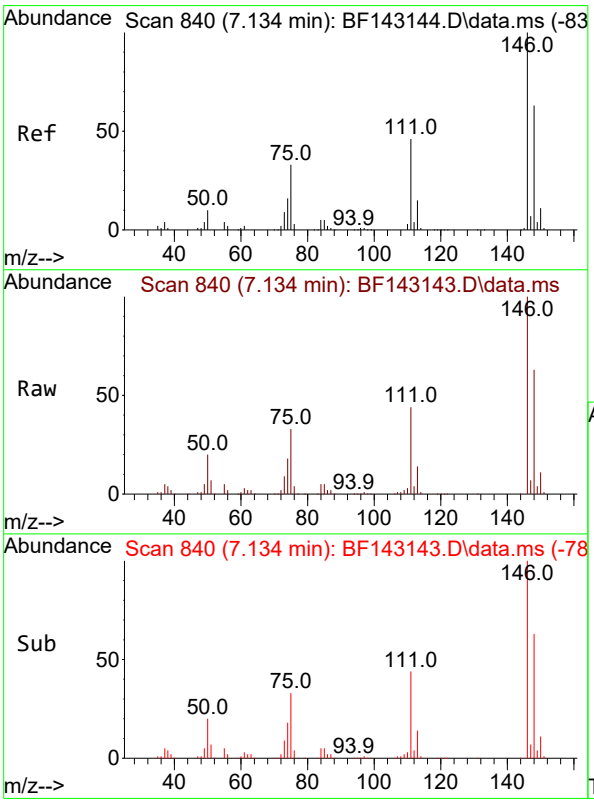
Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.0	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

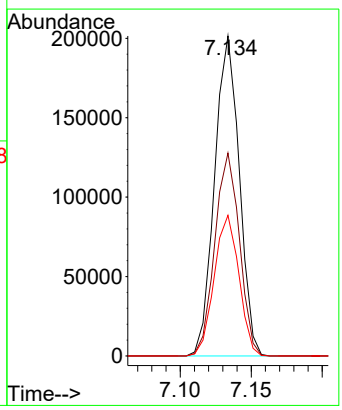


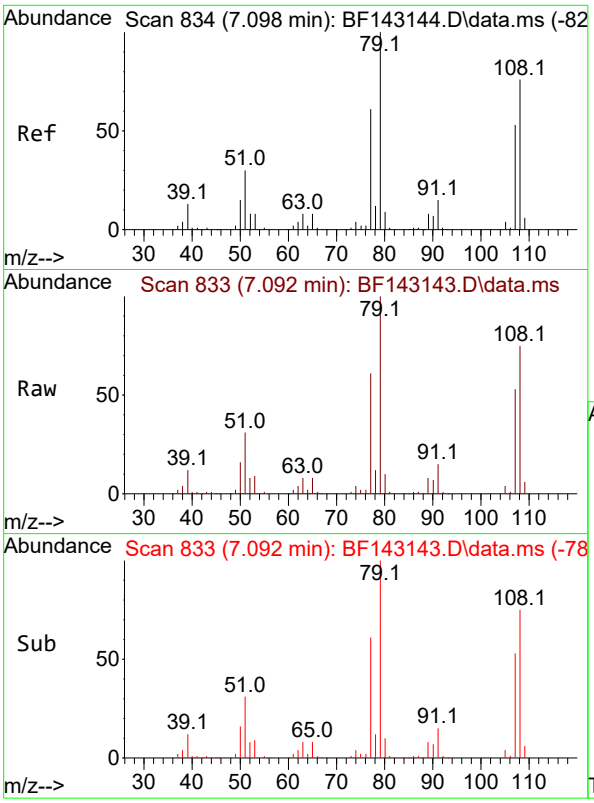


#14
1,2-Dichlorobenzene
Concen: 20.963 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

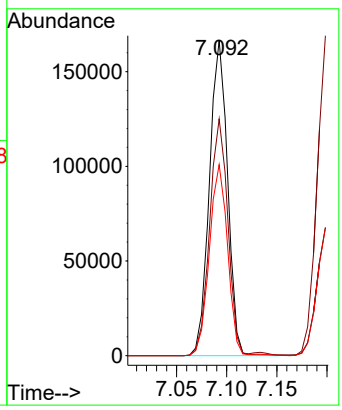
Tgt Ion: 79 Resp: 21001

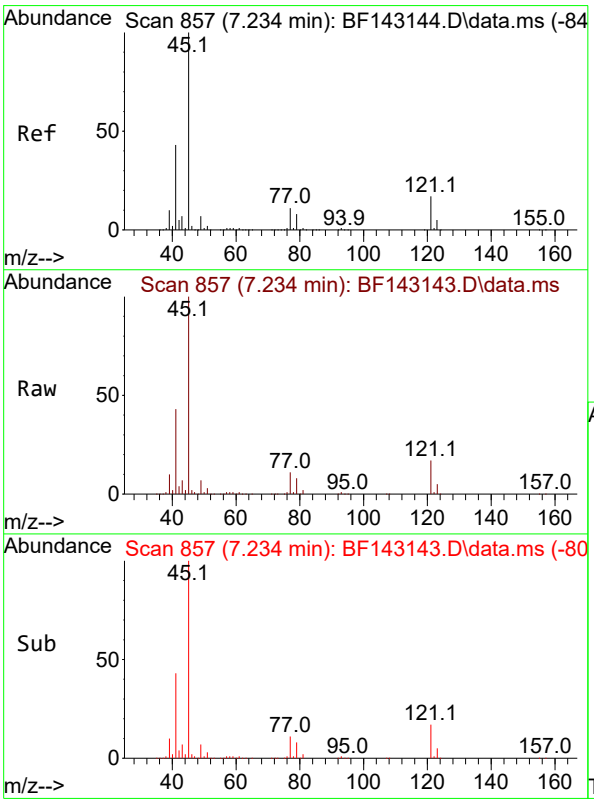
Ion	Ratio	Lower	Upper
79	100		
108	75.0	61.1	91.7
77	60.5	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

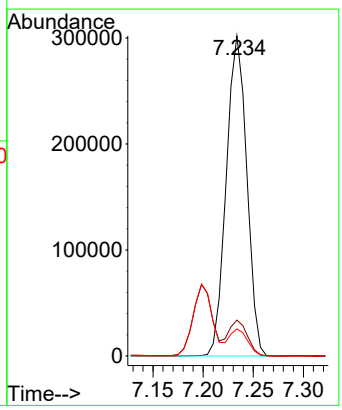


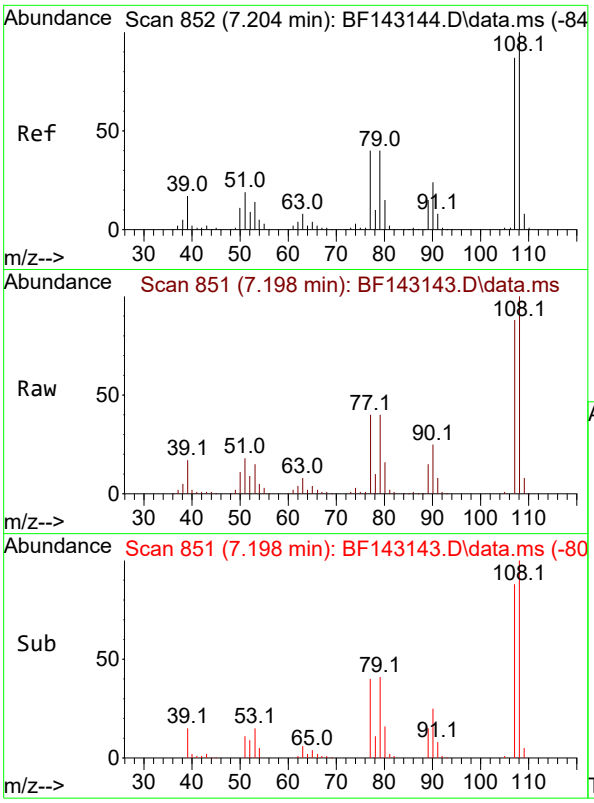


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.680 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

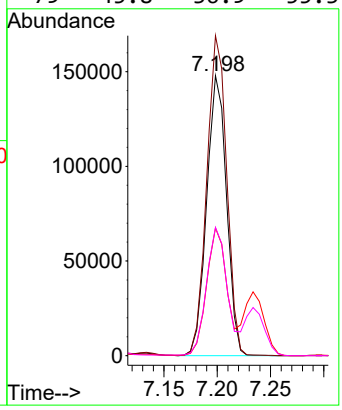
Tgt Ion:107 Resp: 19217

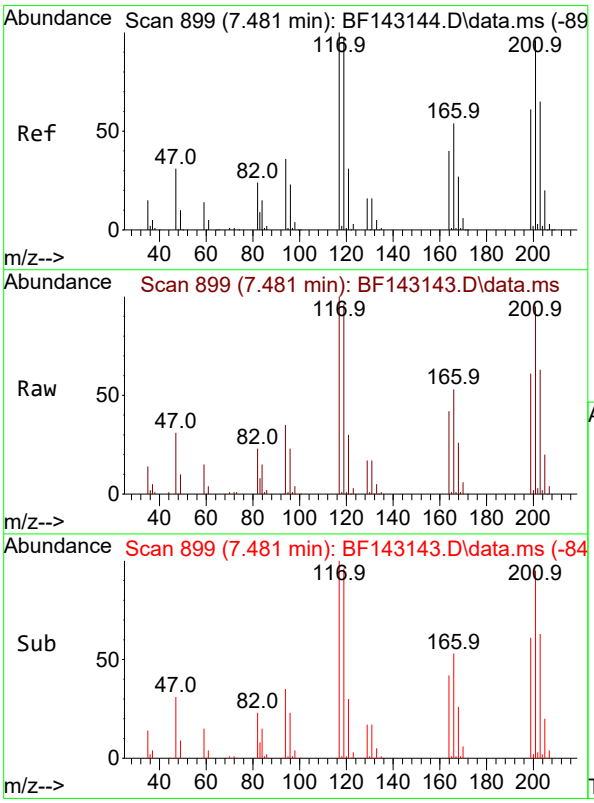
Ion	Ratio	Lower	Upper
107	100		
108	114.3	91.8	137.6
77	45.6	37.0	55.6
79	45.8	36.9	55.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

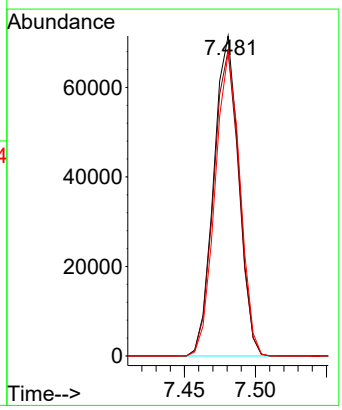


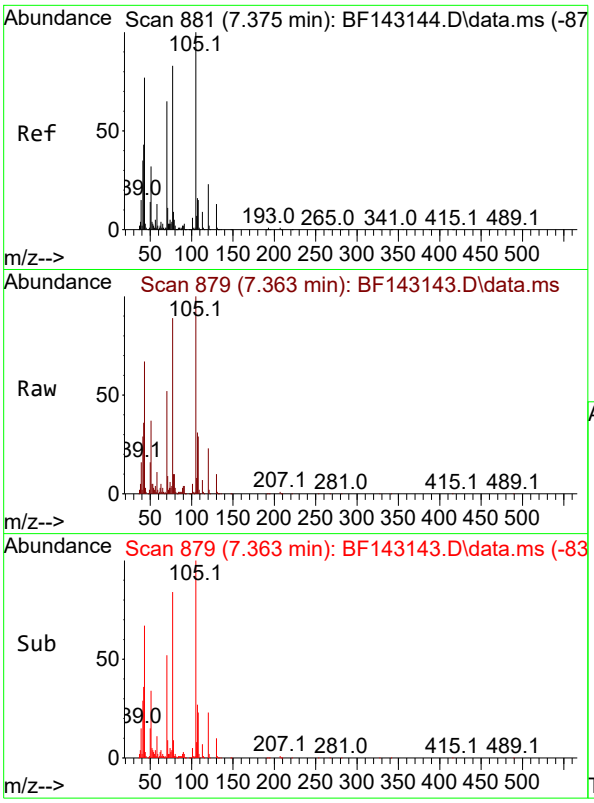


#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

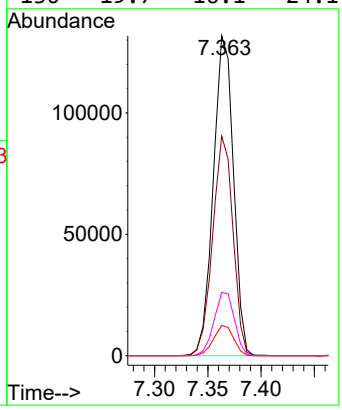




#19
n-Nitroso-di-n-propylamine
Concen: 20.137 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion: 70 Resp: 17314

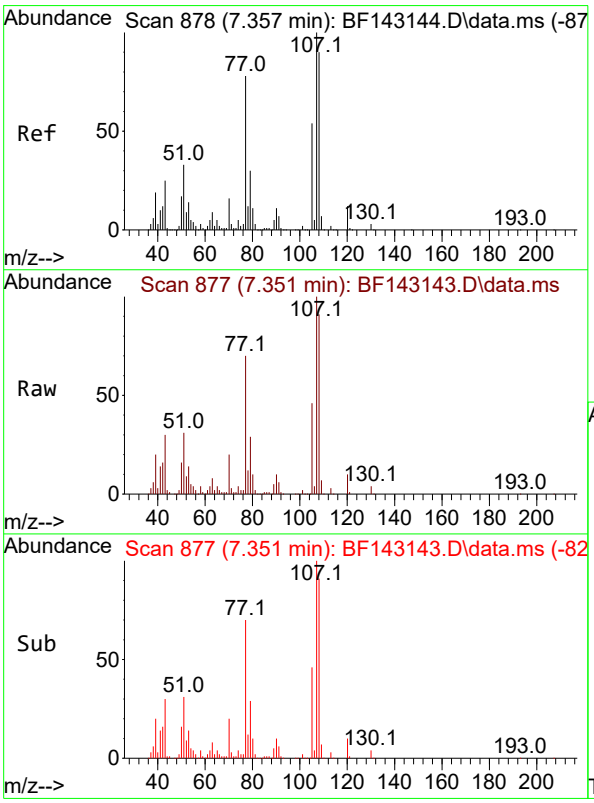
Ion	Ratio	Lower	Upper
70	100		
42	68.6	52.5	78.7
101	9.4	7.6	11.4
130	19.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

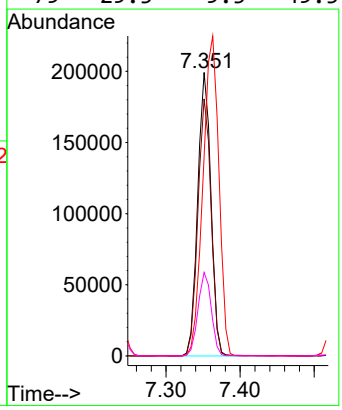
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

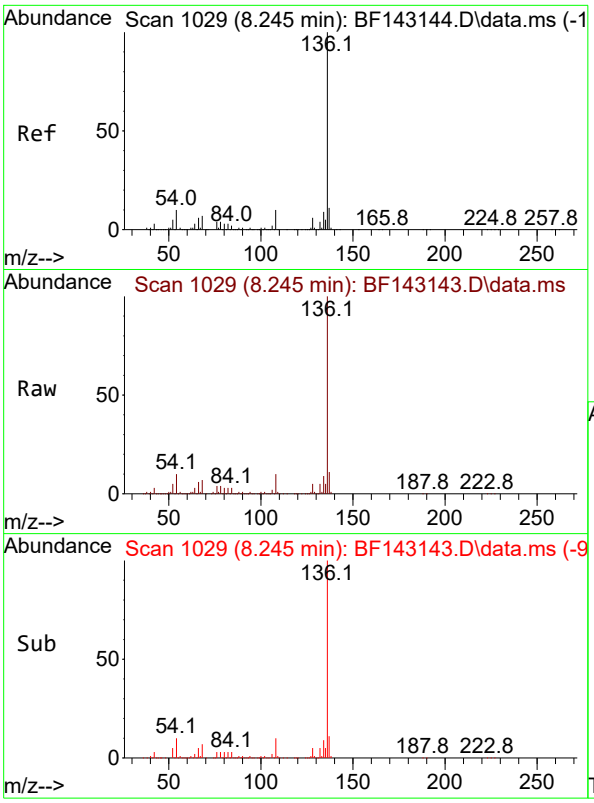


#20
3+4-Methylphenols
Concen: 21.745 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

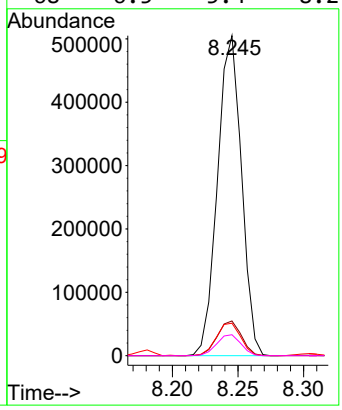




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:136 Resp: 64258(

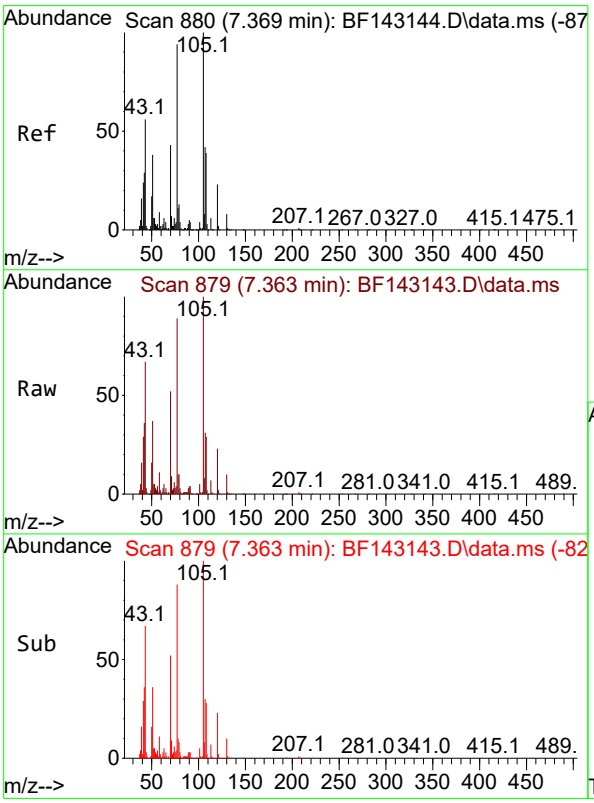
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.2	8.2	12.2
68	6.5	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

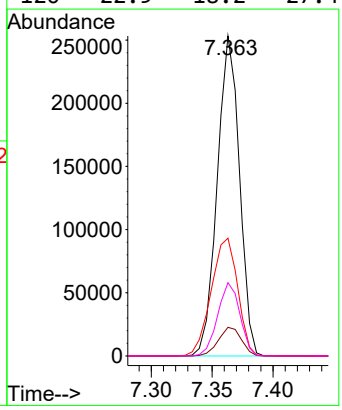
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

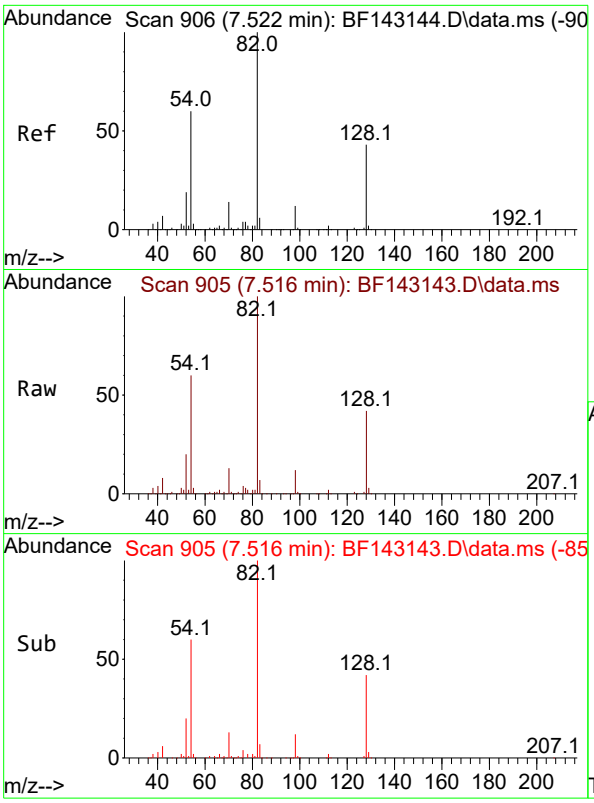


#22
Acetophenone
Concen: 21.151 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

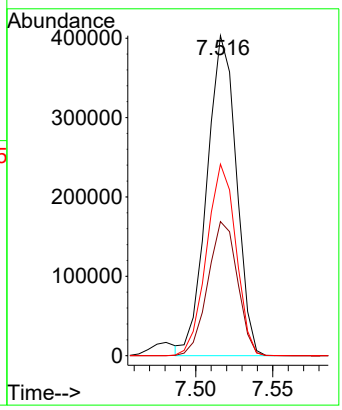
Tgt Ion: 82 Resp: 53558

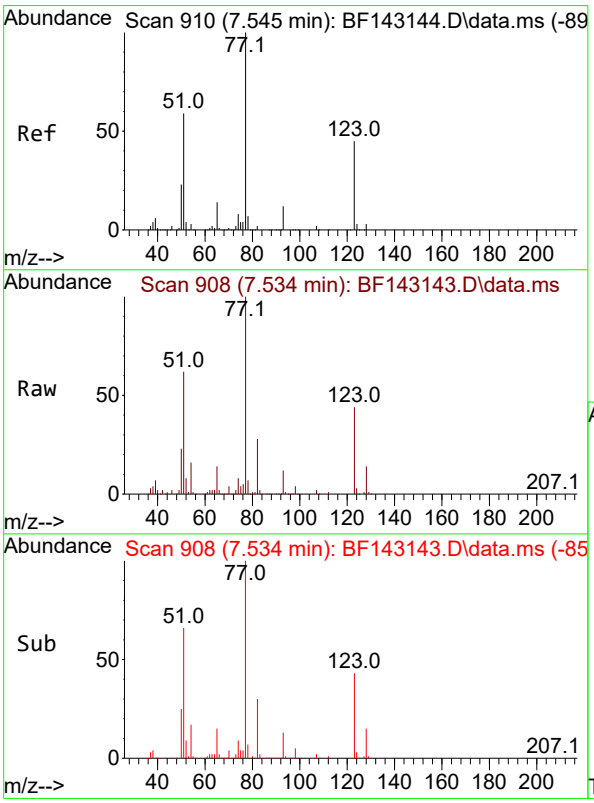
Ion	Ratio	Lower	Upper
82	100		
128	41.9	33.6	50.4
54	59.8	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

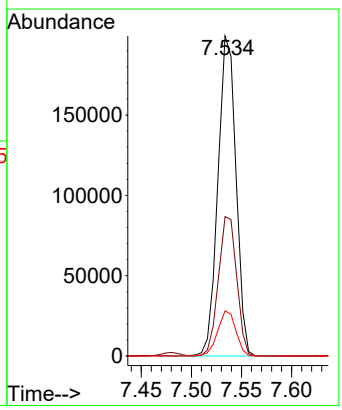


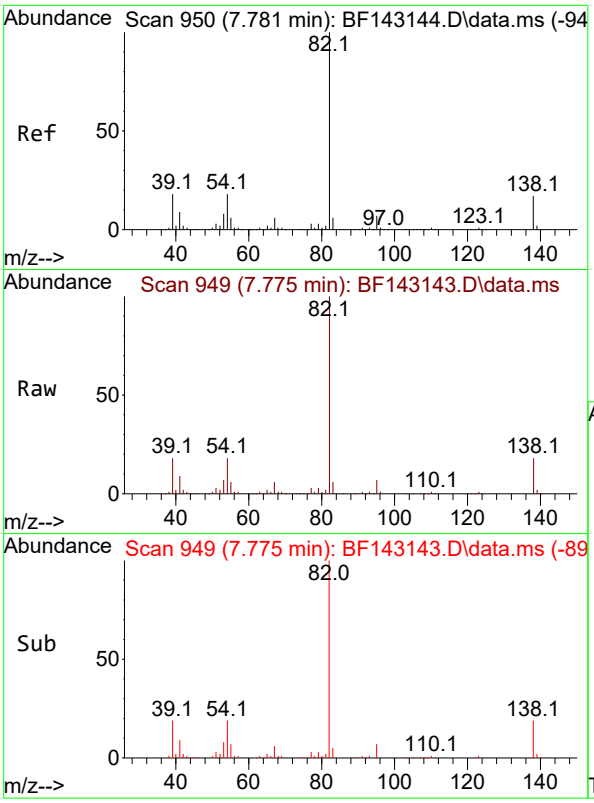


#24
Nitrobenzene
Concen: 20.739 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

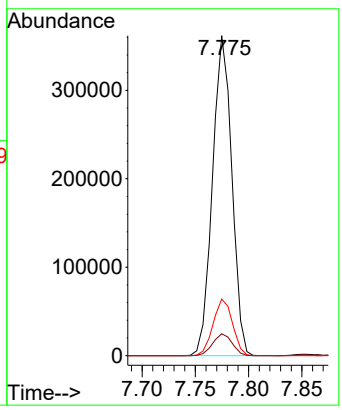
Tgt Ion: 82 Resp: 45714

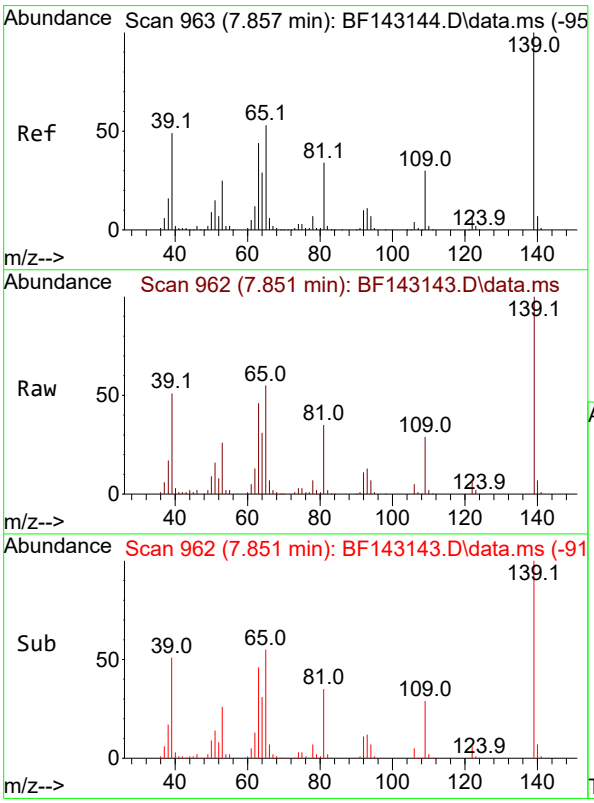
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.7	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

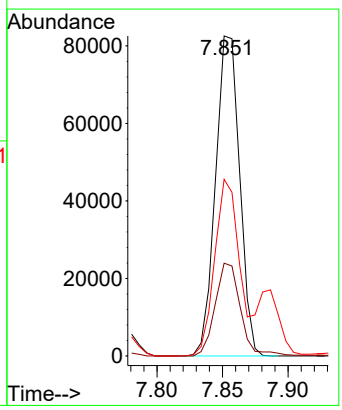


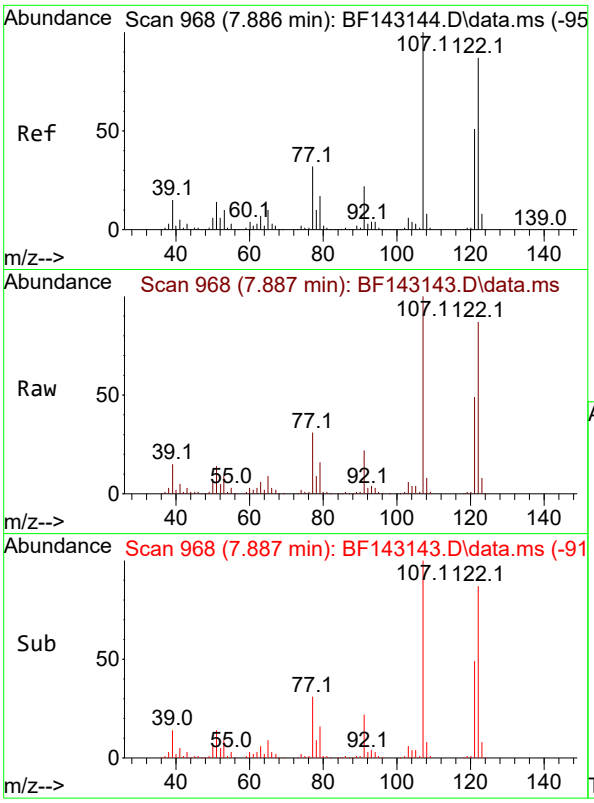


#26
2-Nitrophenol
Concen: 20.261 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

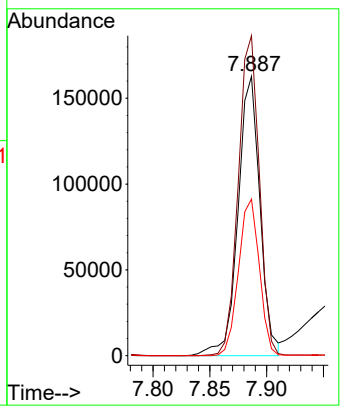
Tgt Ion:122 Resp: 21896

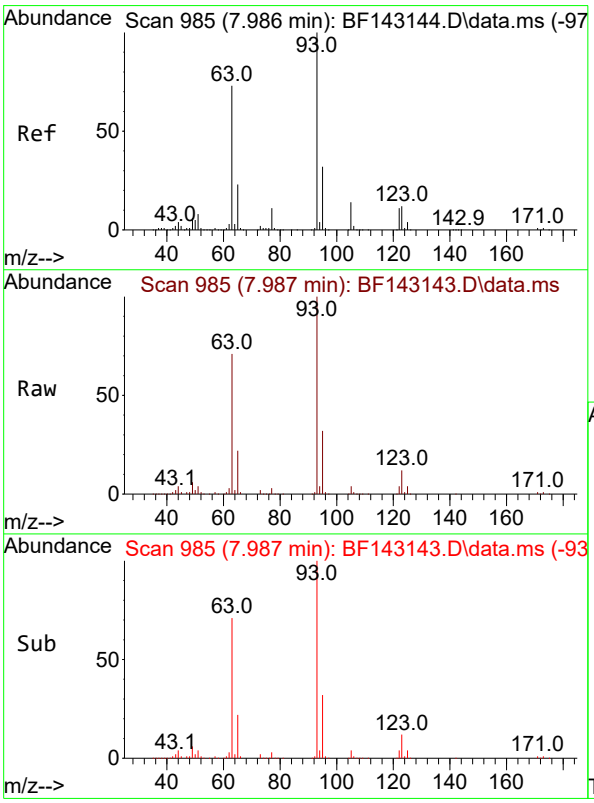
Ion	Ratio	Lower	Upper
122	100		
107	114.5	91.8	137.6
121	56.1	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

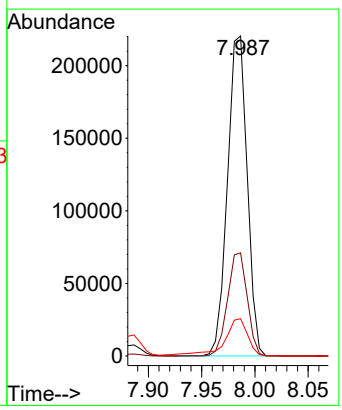


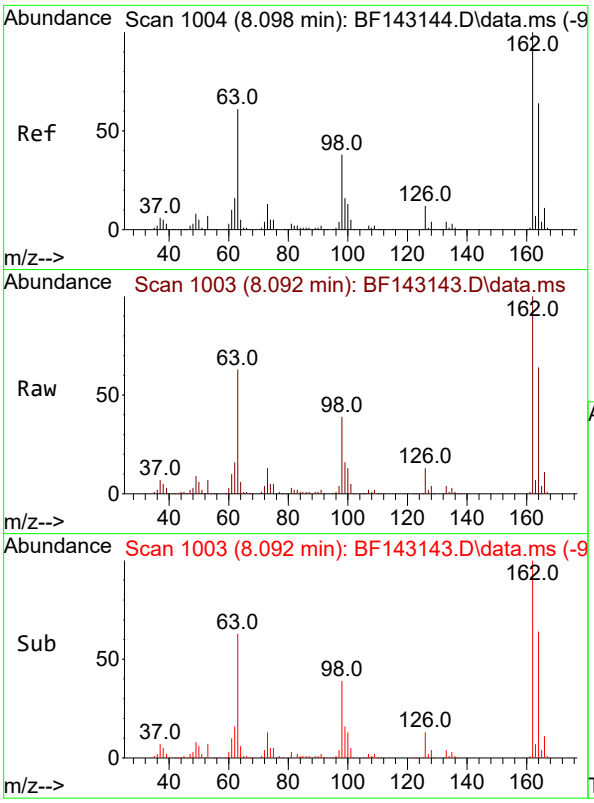


#28
bis(2-Chloroethoxy)methane
Concen: 20.811 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

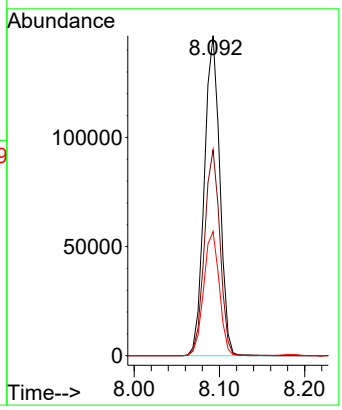
Tgt Ion:162 Resp: 18443

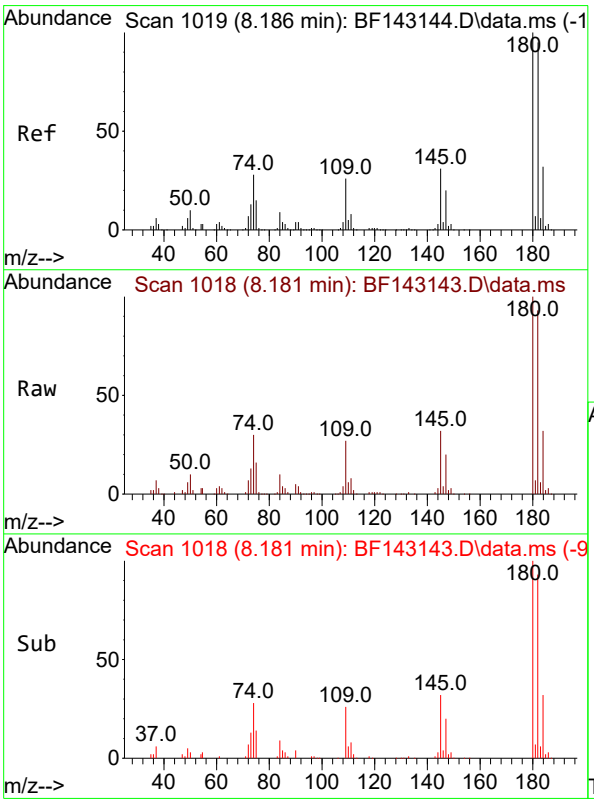
Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.2	84.2
98	38.8	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

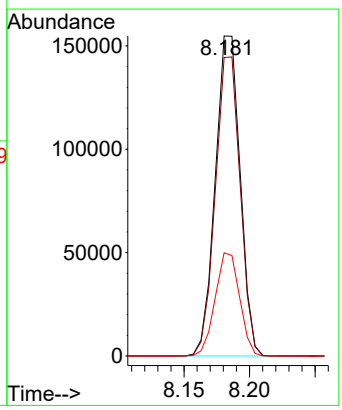


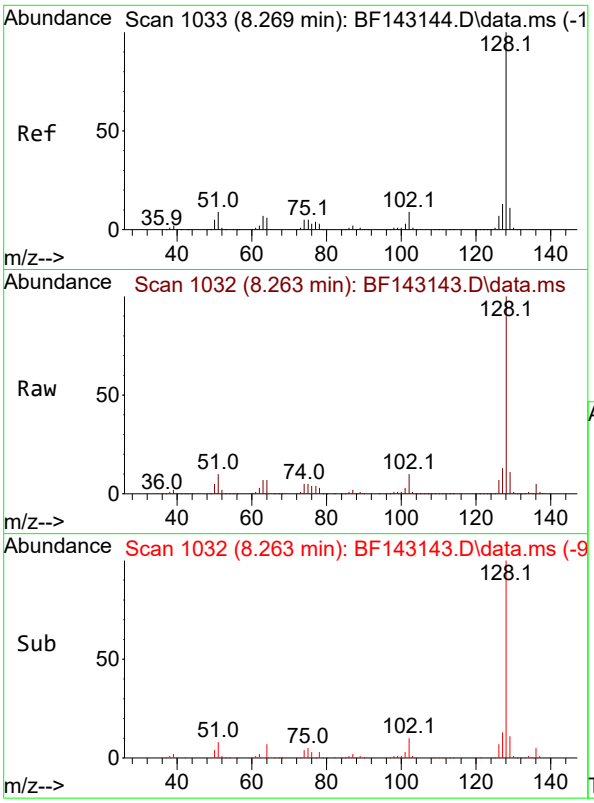


#30
1,2,4-Trichlorobenzene
Concen: 21.070 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

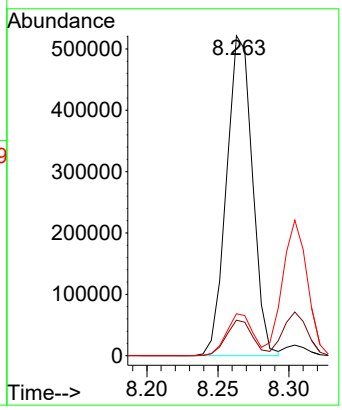
Tgt Ion:128 Resp: 66296

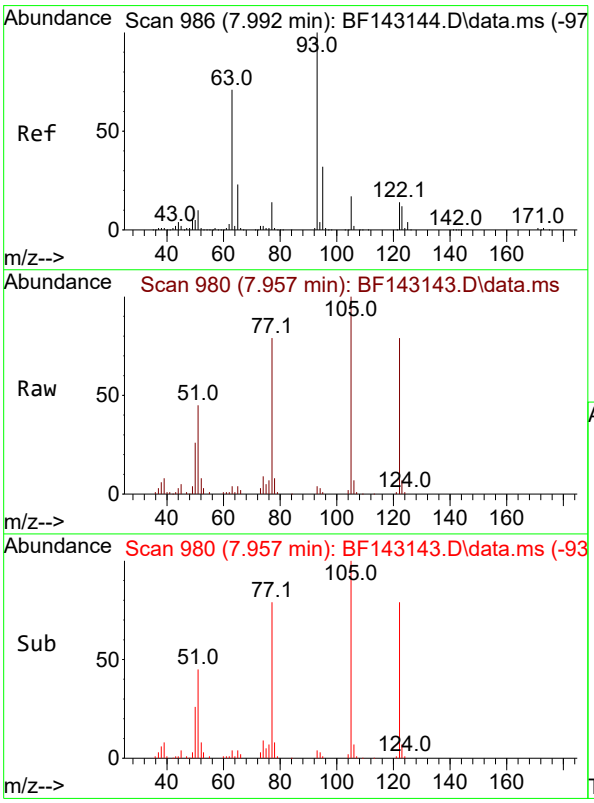
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

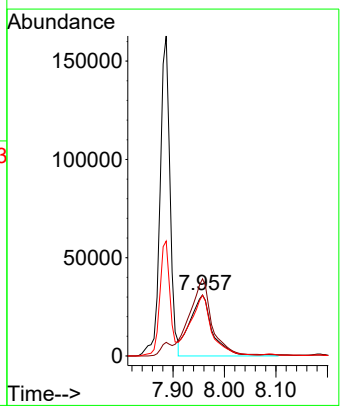


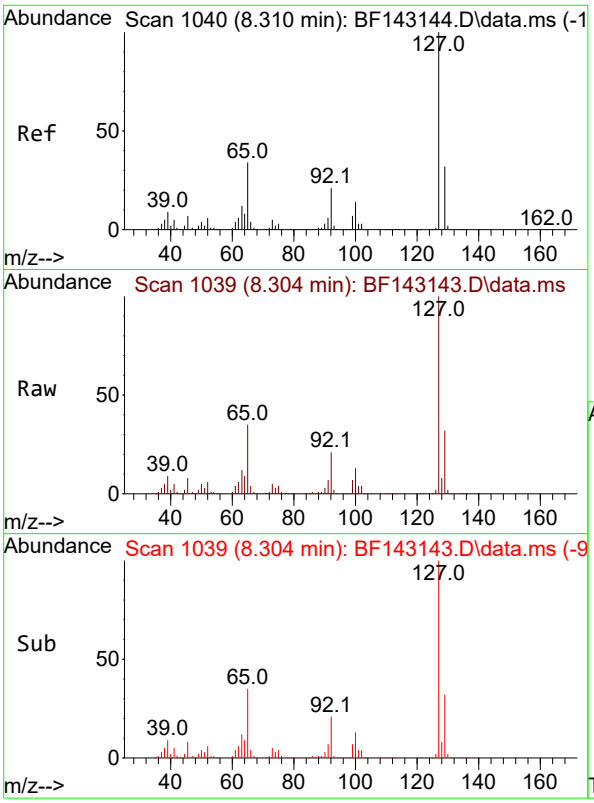


#32
Benzoic acid
Concen: 19.382 ng m
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

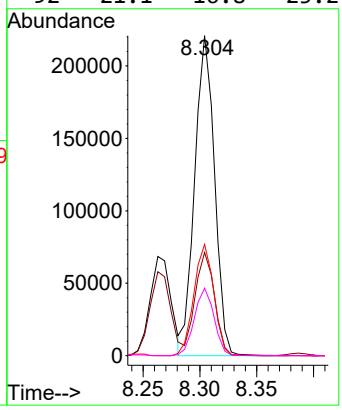
Tgt Ion:127 Resp: 26910

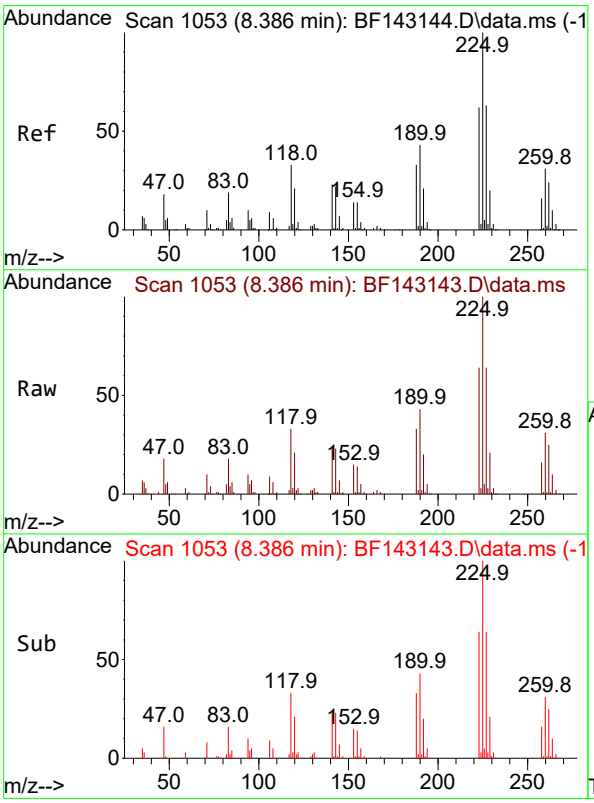
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.0	39.0
65	34.8	27.4	41.2
92	21.1	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

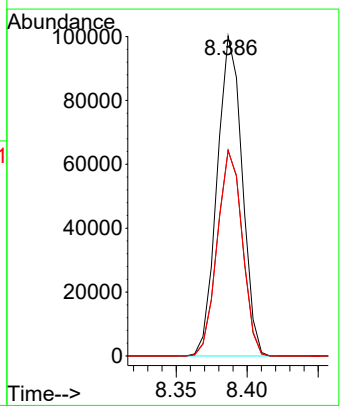


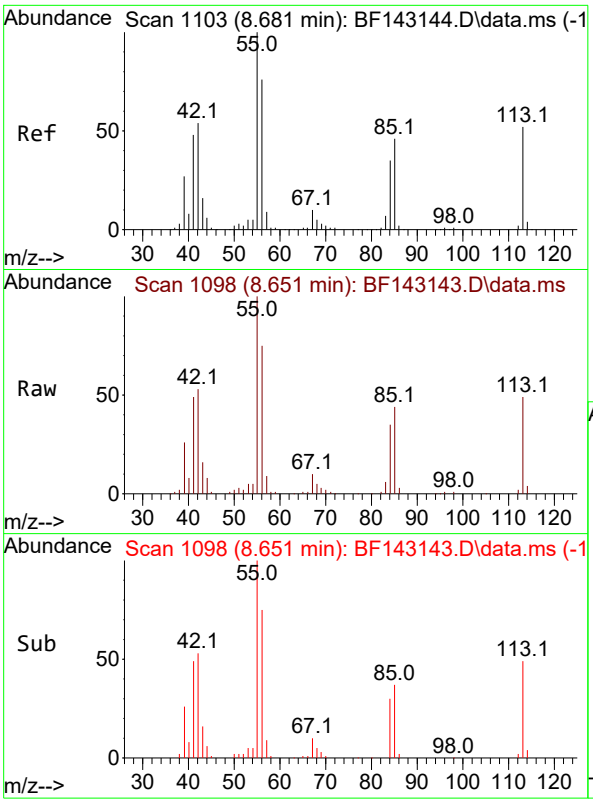


#34
Hexachlorobutadiene
Concen: 20.722 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

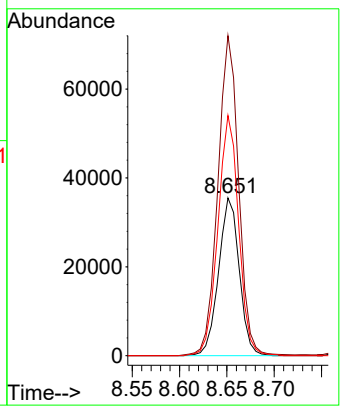
Tgt Ion:113 Resp: 5395(

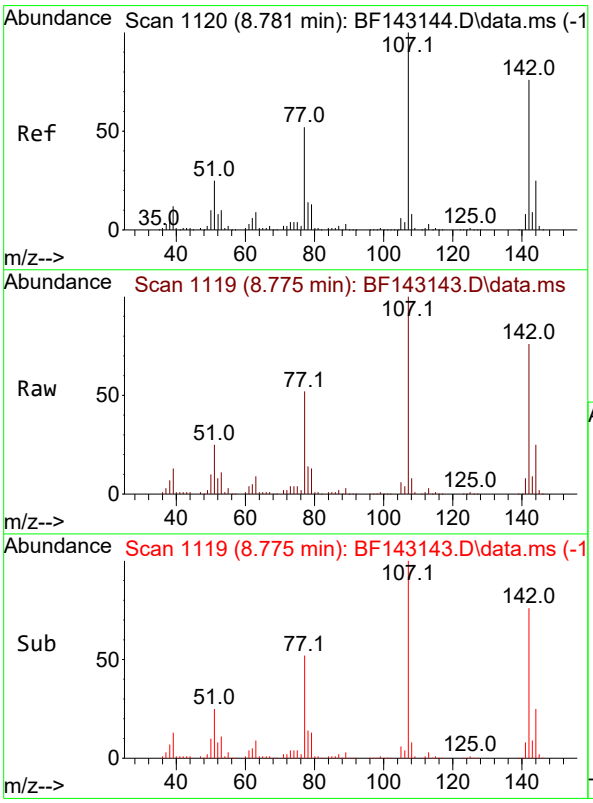
Ion	Ratio	Lower	Upper
113	100		
55	202.9	174.0	214.0
56	152.2	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

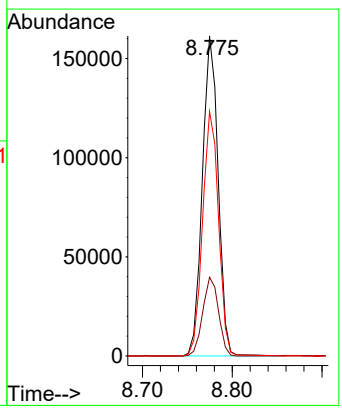


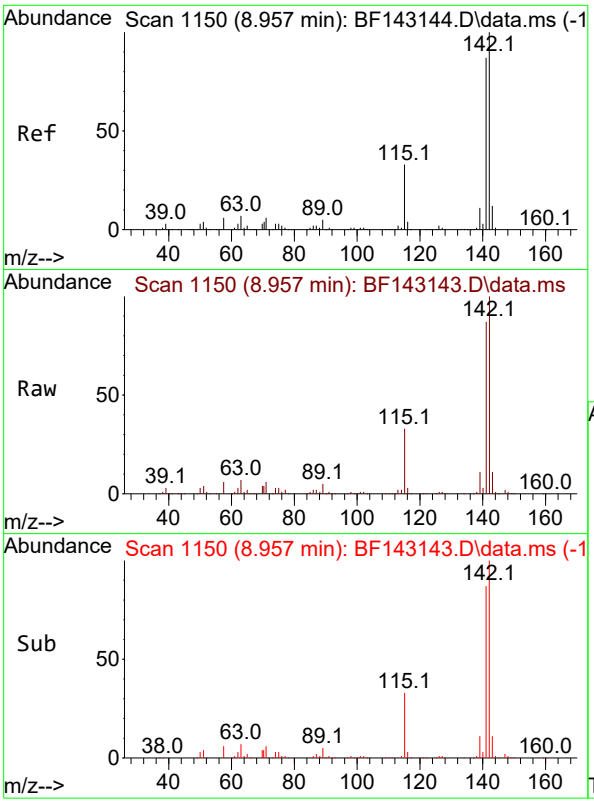


#36
4-Chloro-3-methylphenol
Concen: 20.246 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

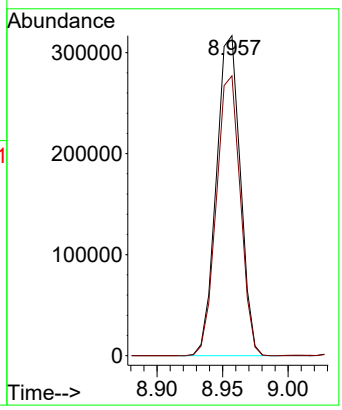
Tgt Ion:142 Resp: 40329

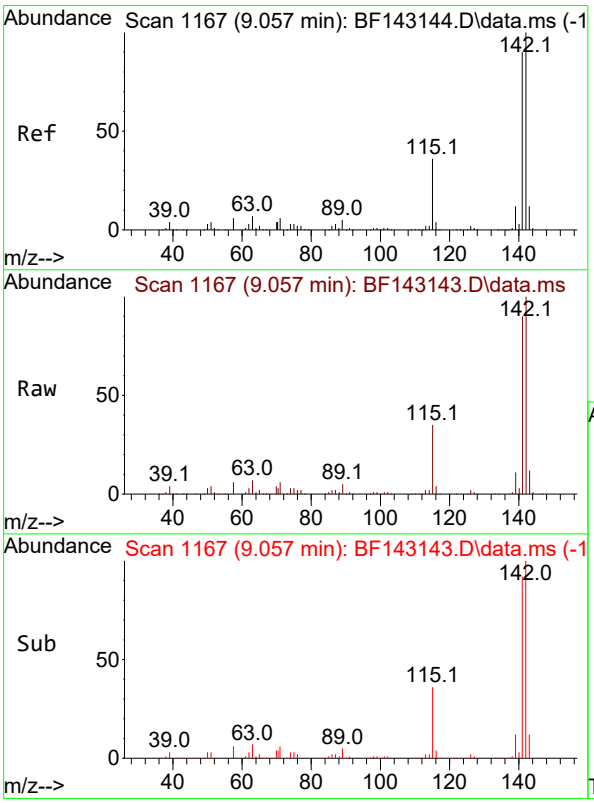
Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

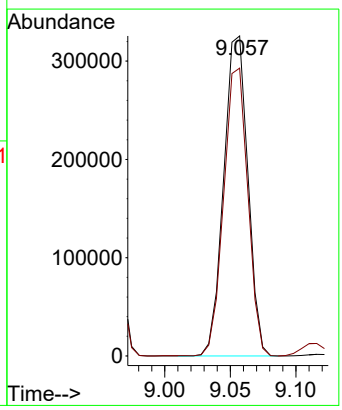


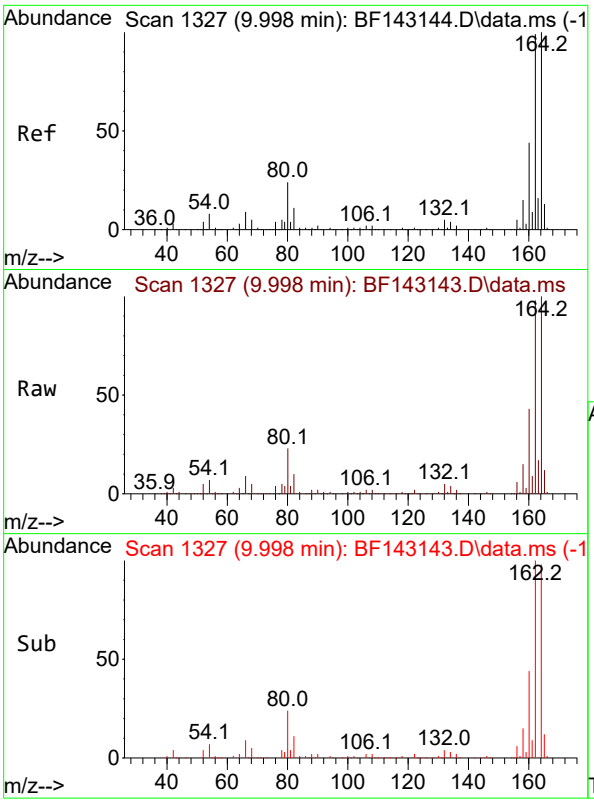


#38
1-Methylnaphthalene
Concen: 21.060 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

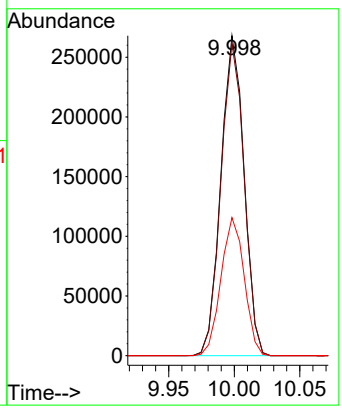
Tgt Ion:164 Resp: 32967

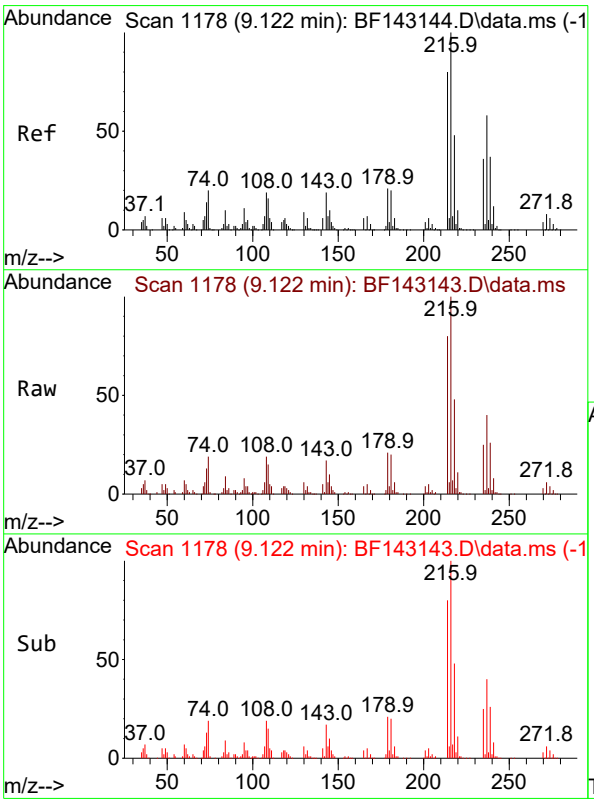
Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.0	118.6
160	43.2	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

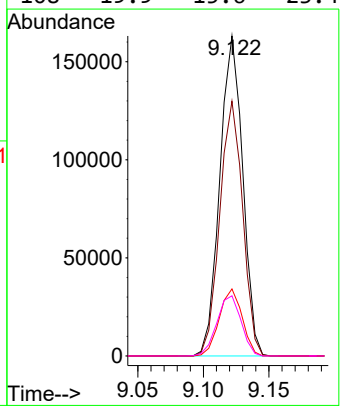


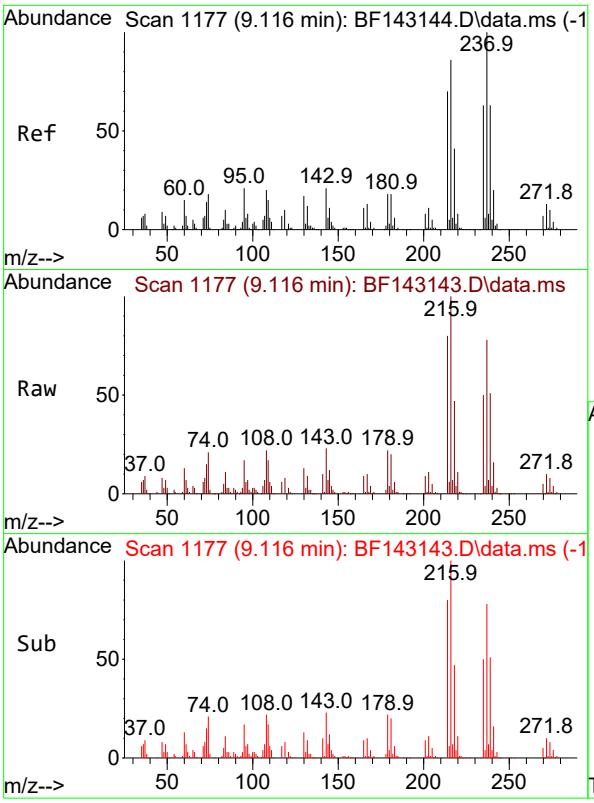


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.804 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

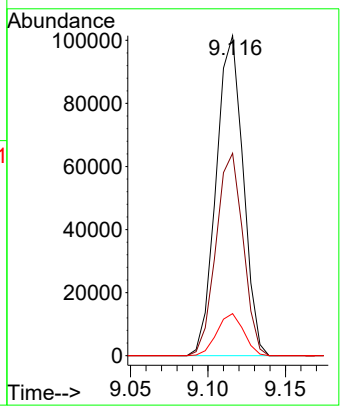
Tgt Ion:237 Resp: 12292

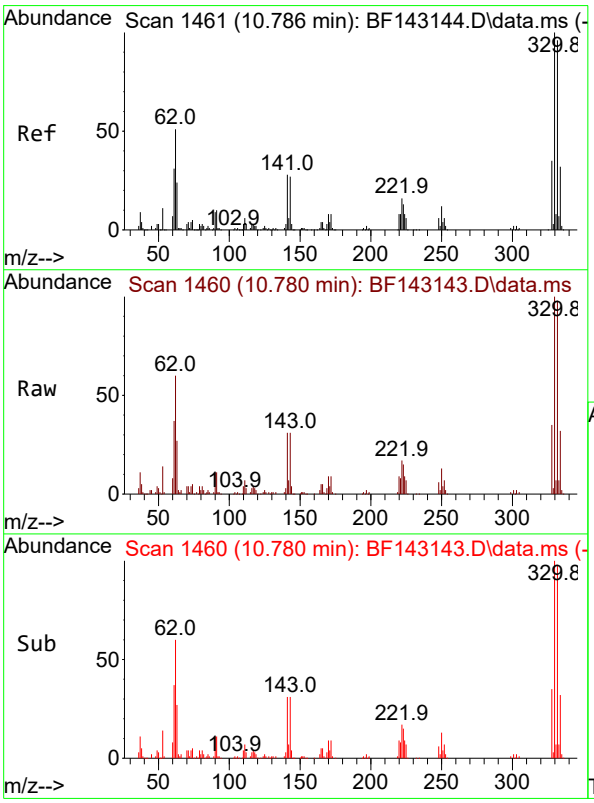
Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.2	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

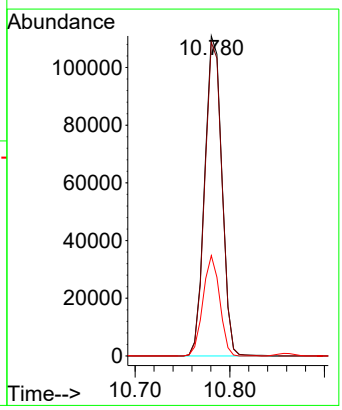


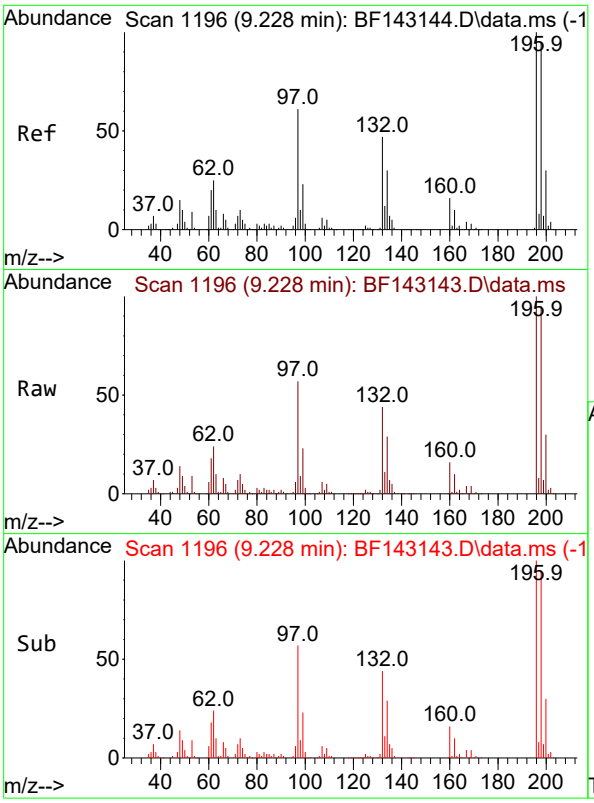


#42
2,4,6-Tribromophenol
Concen: 41.034 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

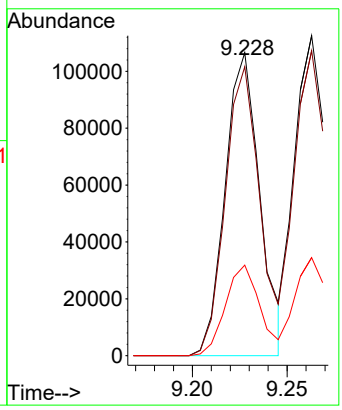
Tgt Ion:196 Resp: 13570

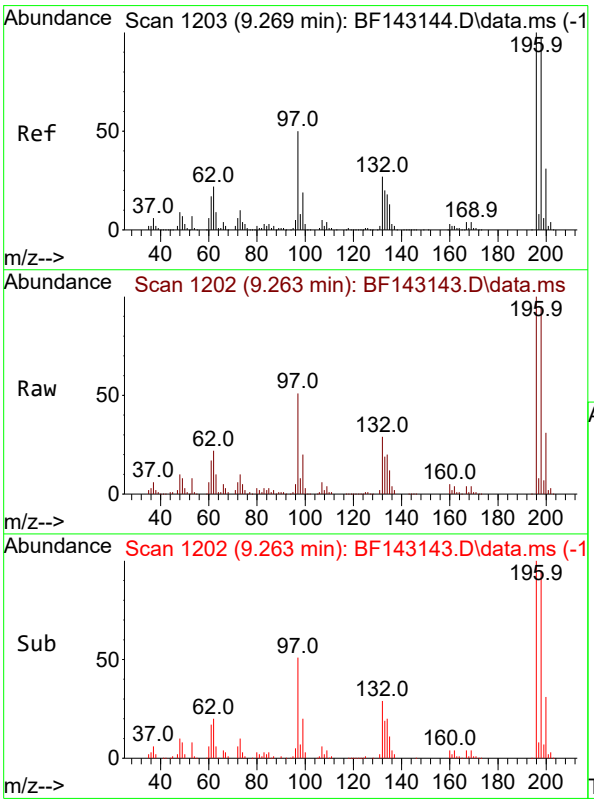
Ion	Ratio	Lower	Upper
196	100		
198	95.4	76.2	114.2
200	29.9	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

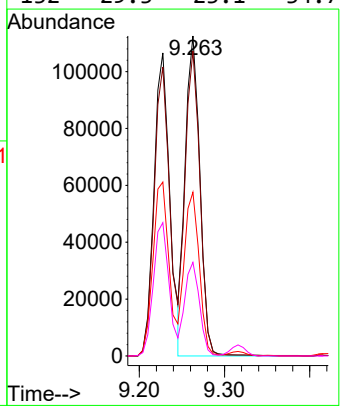


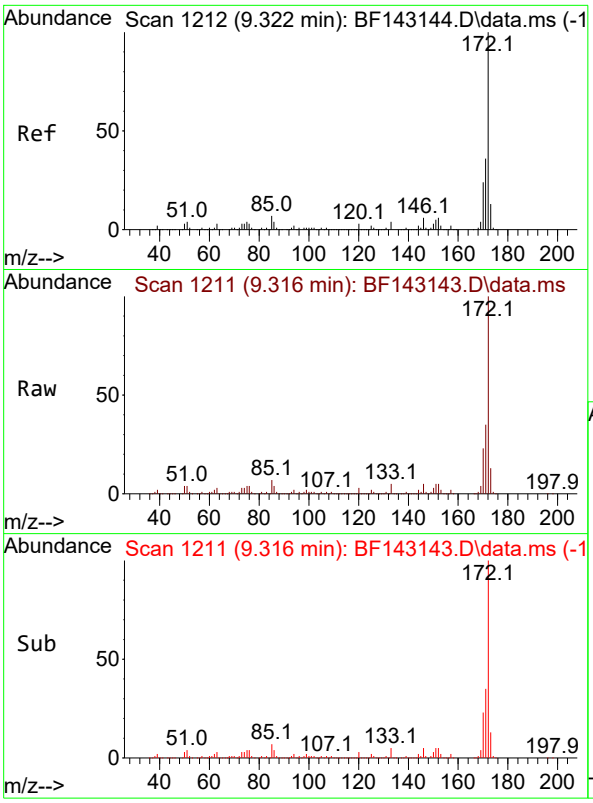


#44
2,4,5-Trichlorophenol
Concen: 20.584 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

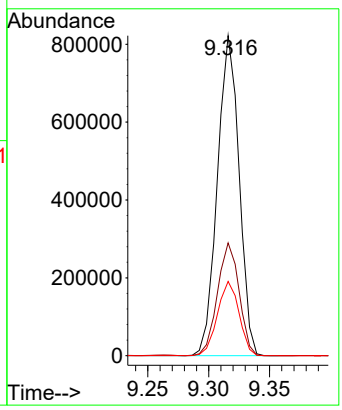
Tgt Ion:172 Resp: 101968

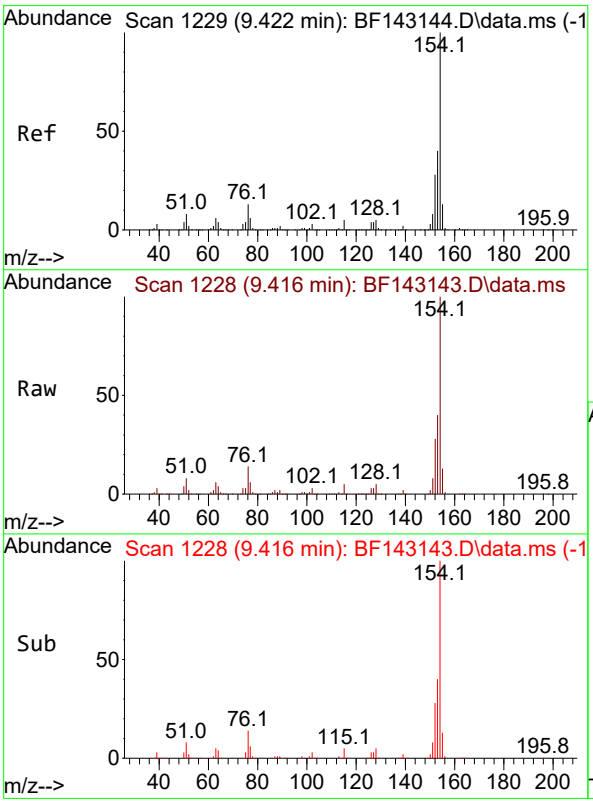
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.2	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

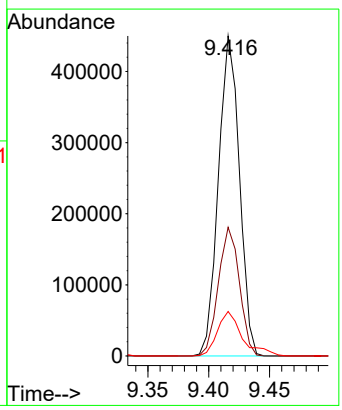


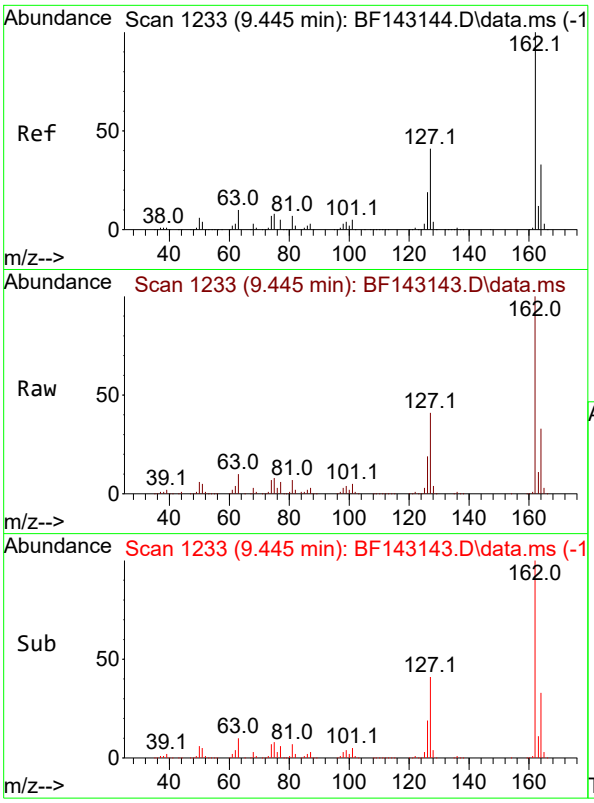


#46
1,1'-Biphenyl
Concen: 21.019 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

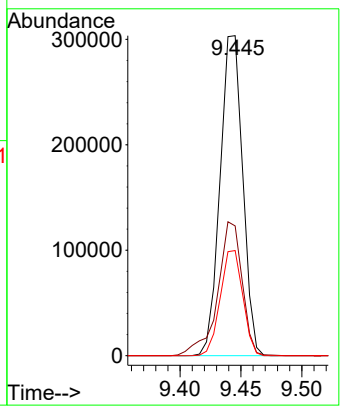
Tgt Ion:162 Resp: 39300

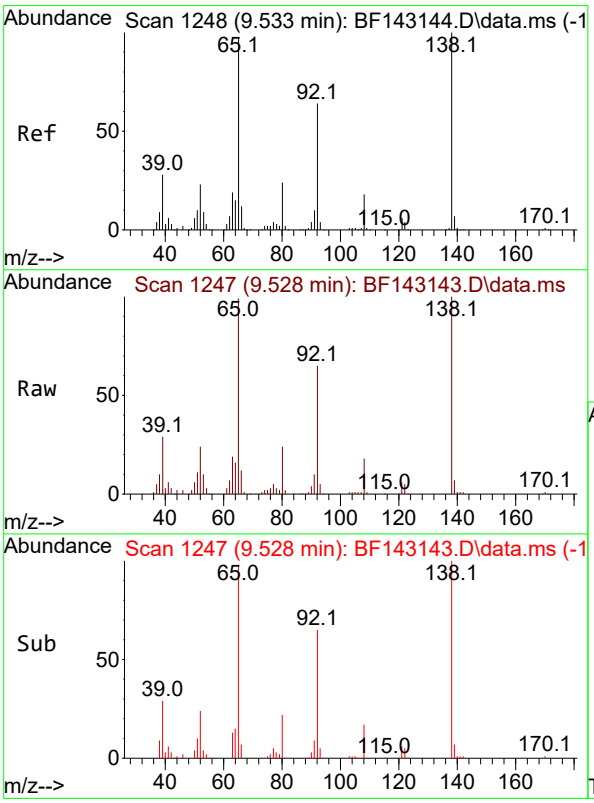
Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.9	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

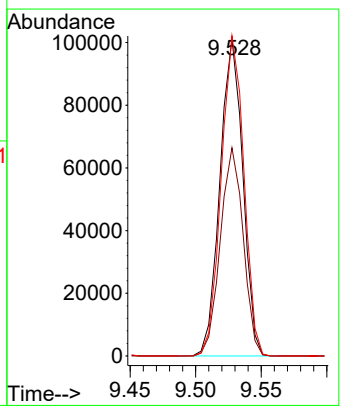


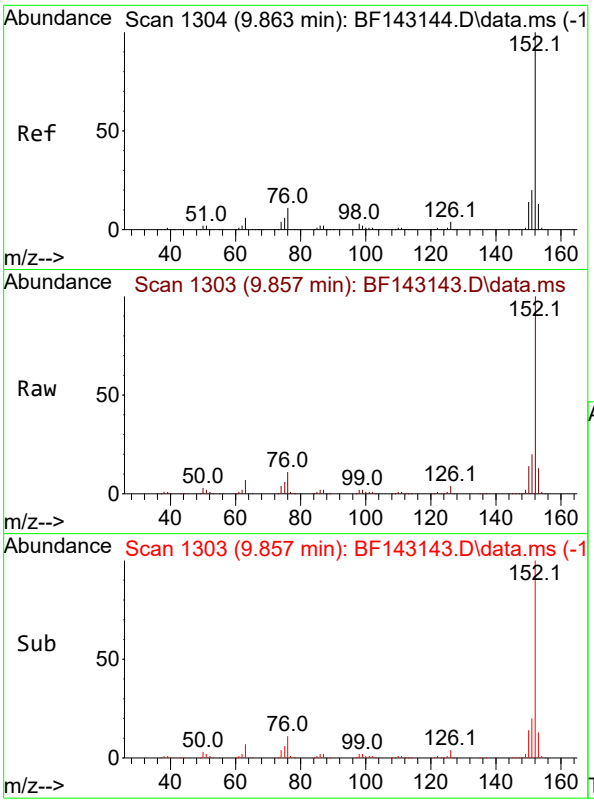


#48
2-Nitroaniline
Concen: 20.528 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

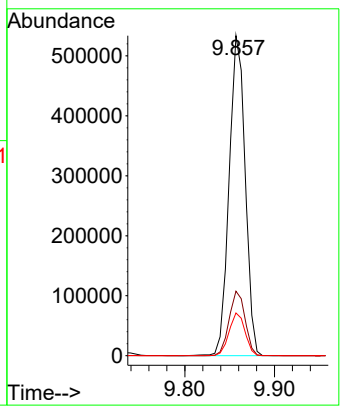
Tgt Ion:152 Resp: 66304

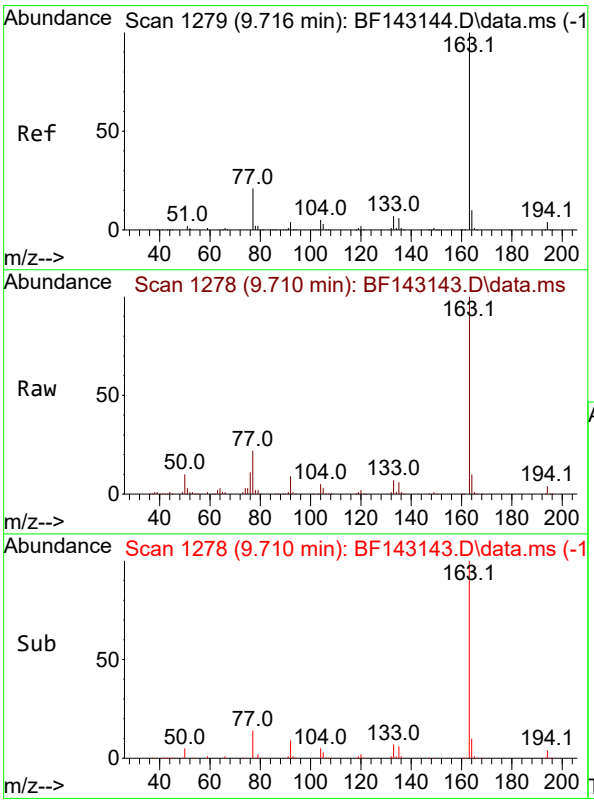
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

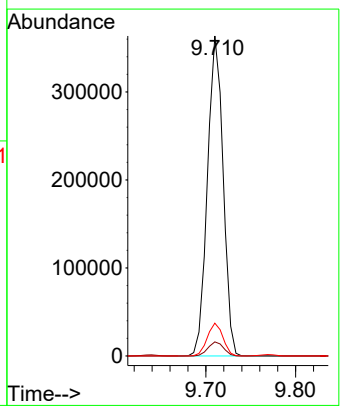


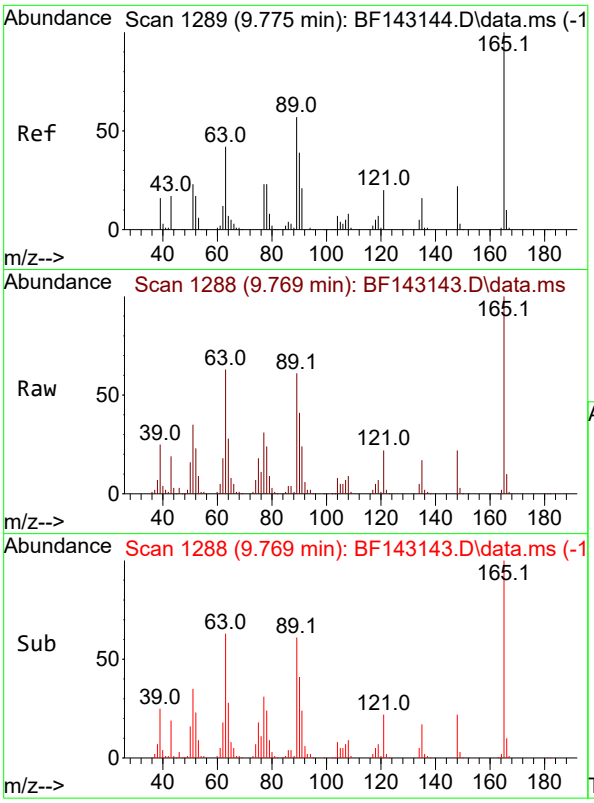


#50
Dimethylphthalate
Concen: 20.558 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

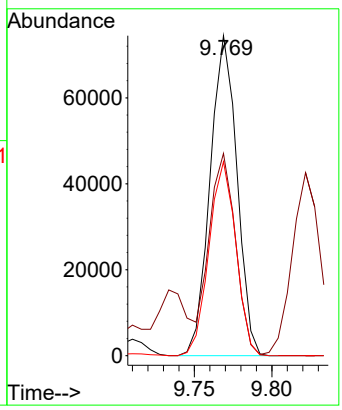
Tgt Ion:165 Resp: 8974

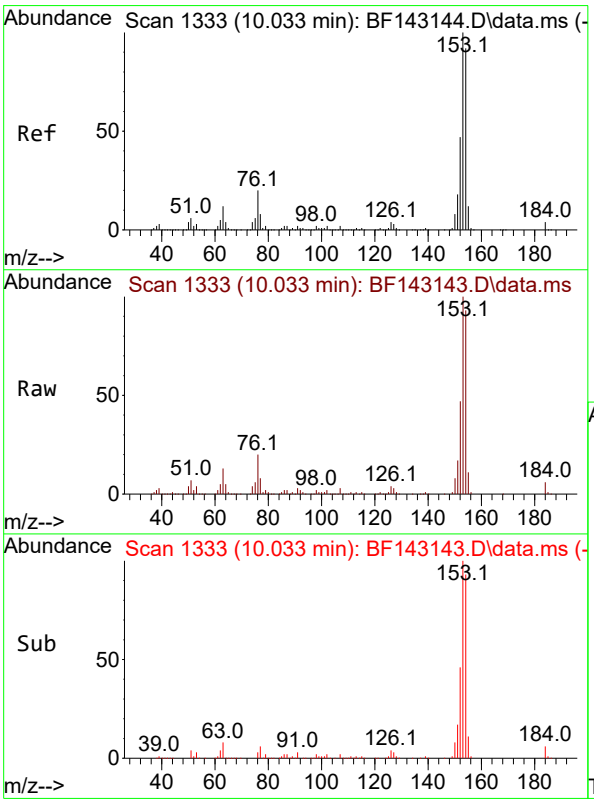
Ion	Ratio	Lower	Upper
165	100		
63	63.2	49.4	74.2
89	60.6	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

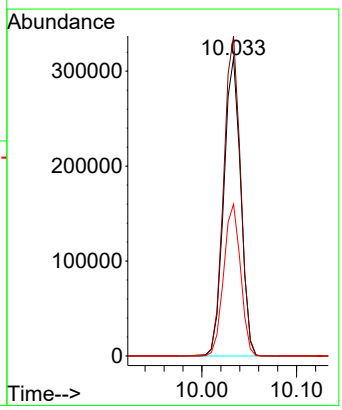


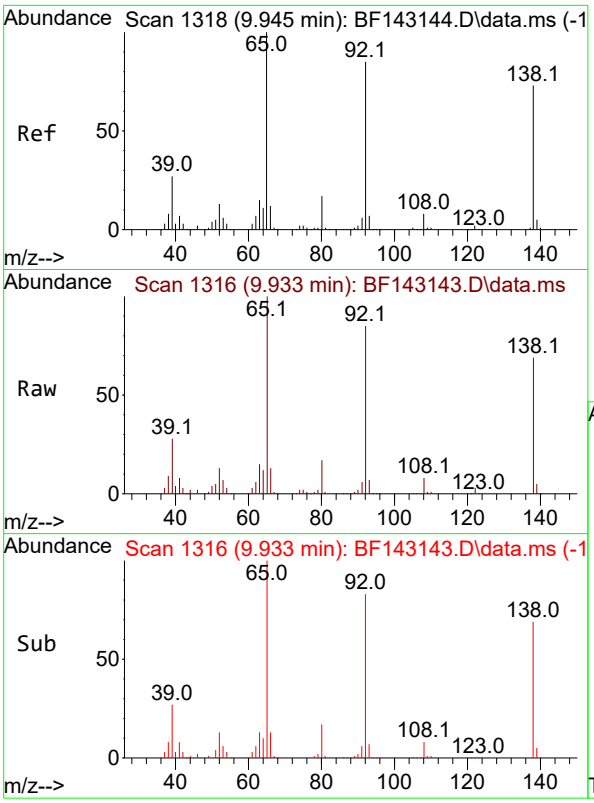


#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

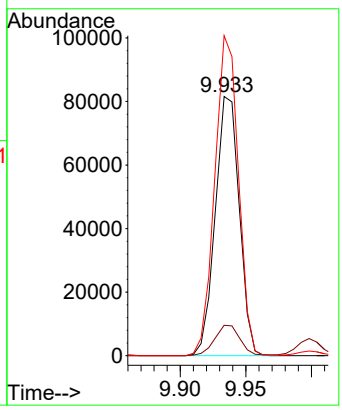
Tgt Ion:138 Resp: 10387

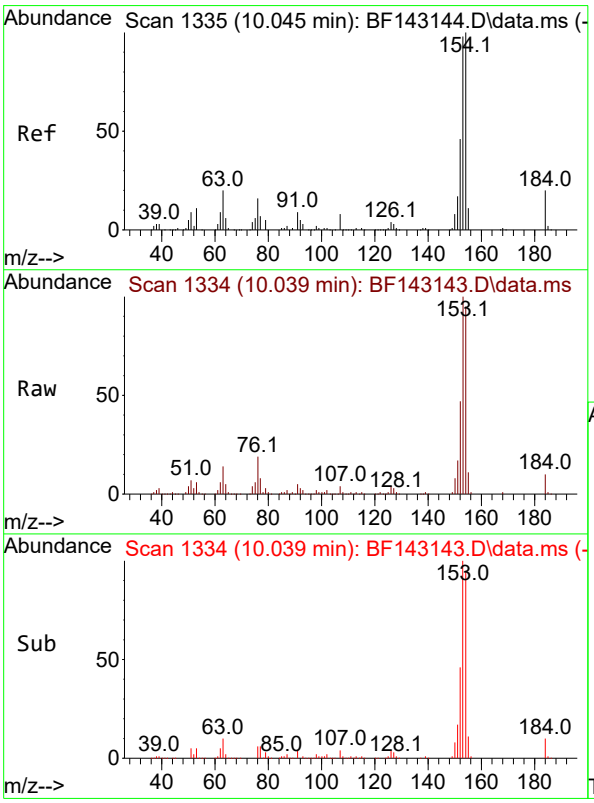
Ion	Ratio	Lower	Upper
138	100		
108	11.7	9.0	13.6
92	123.4	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

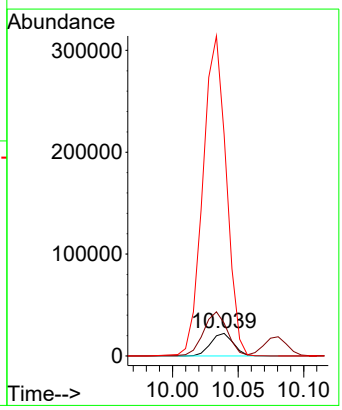


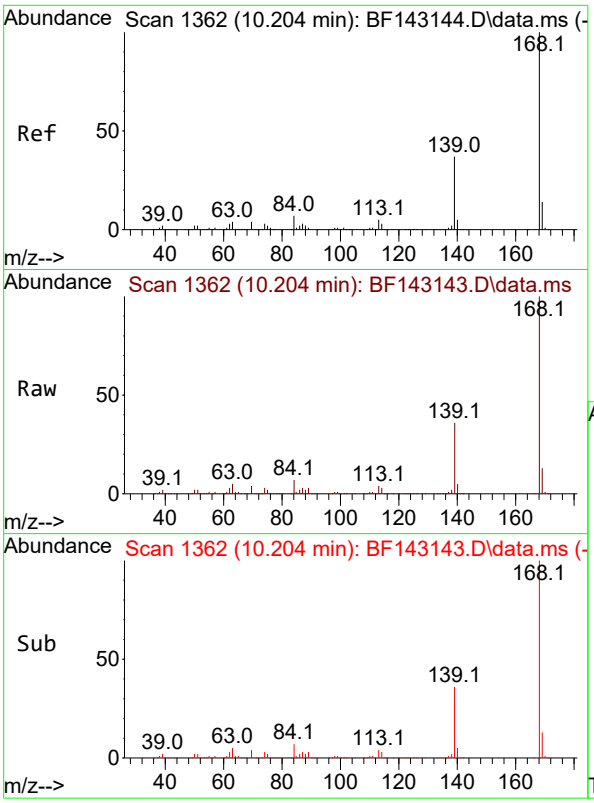


#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

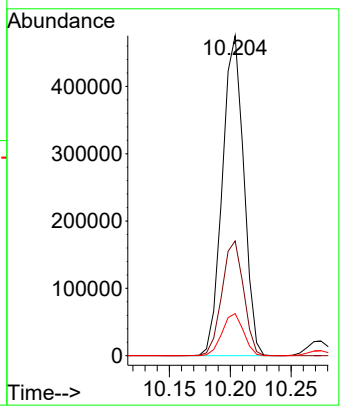
Tgt Ion:168 Resp: 58232

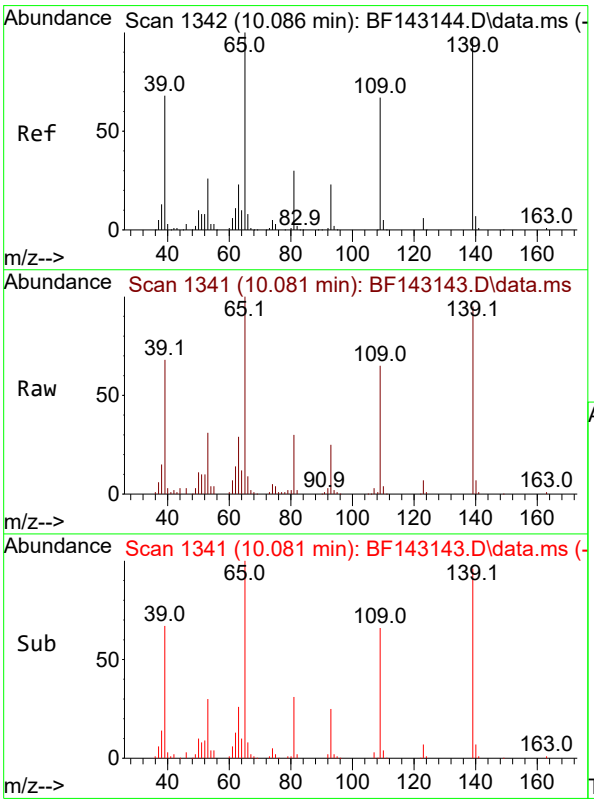
Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.5	44.3
169	13.1	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

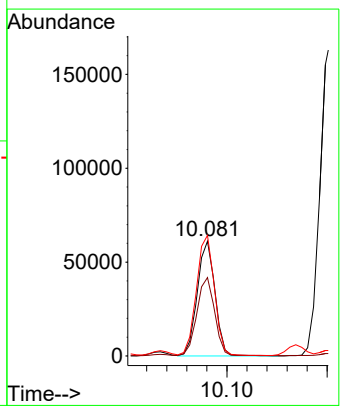


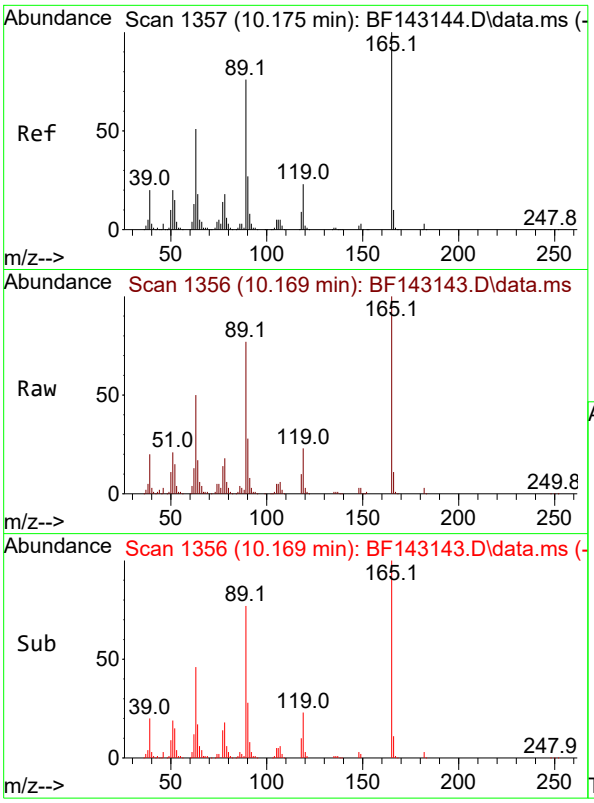


#56
4-Nitrophenol
Concen: 19.715 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

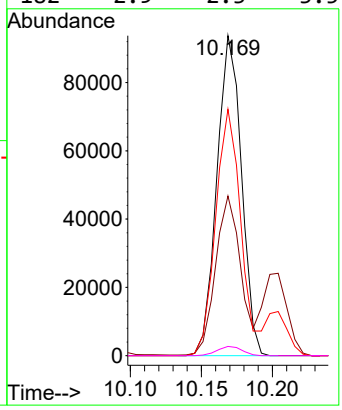
Tgt Ion:165 Resp: 11285

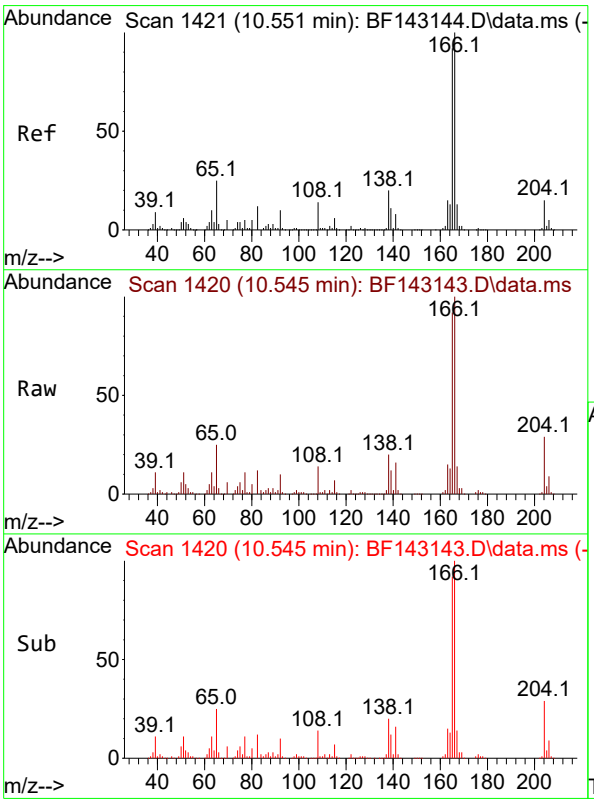
Ion	Ratio	Lower	Upper
165	100		
63	49.9	41.0	61.4
89	77.0	61.1	91.7
182	2.9	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

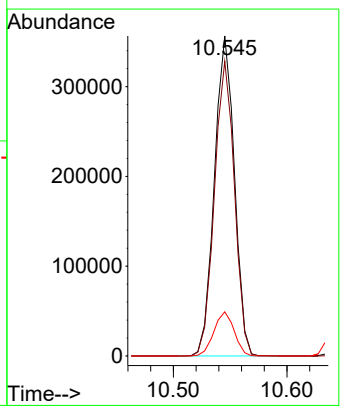


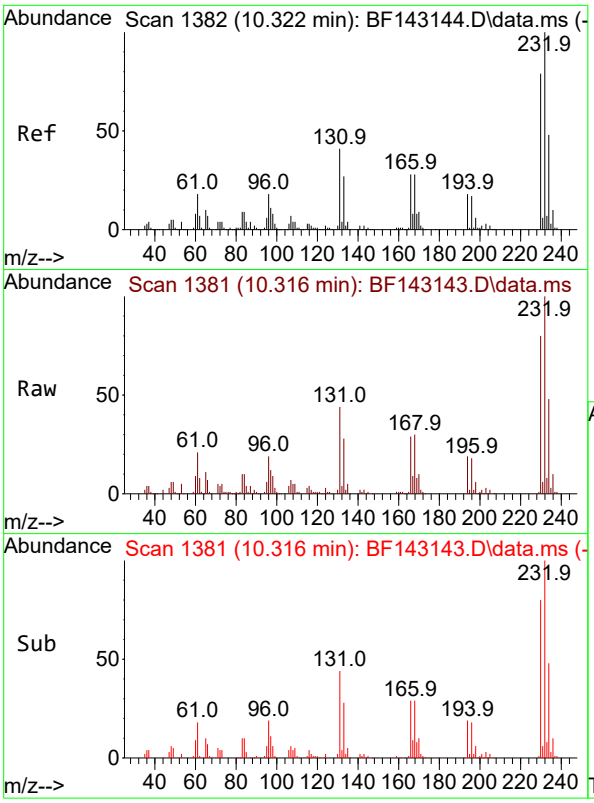


#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

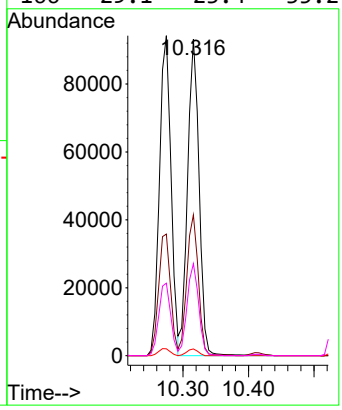
Tgt Ion:232 Resp: 11385

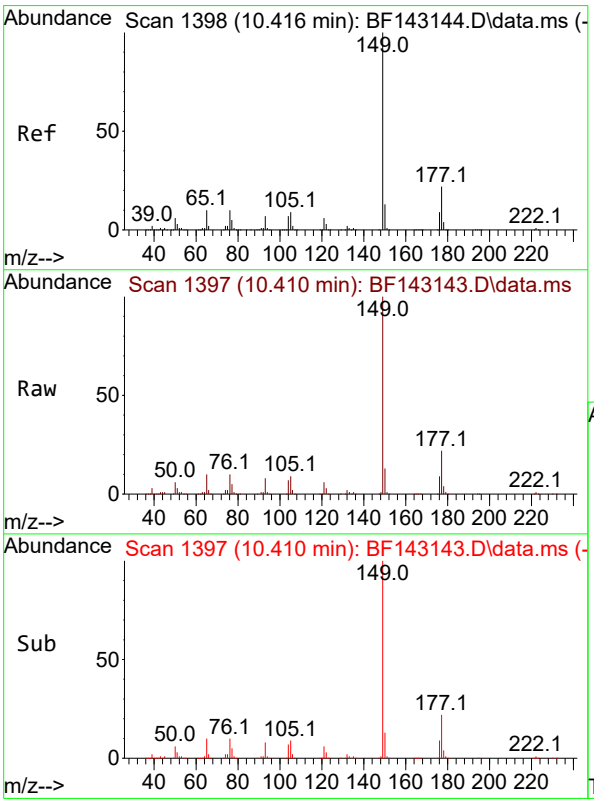
Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.1	1.7	2.5
166	29.1	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

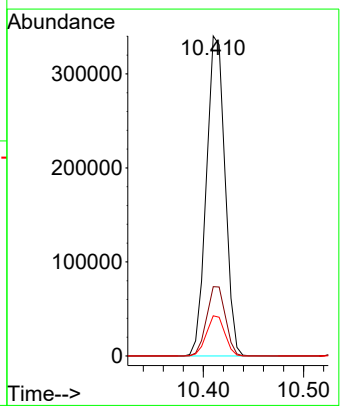


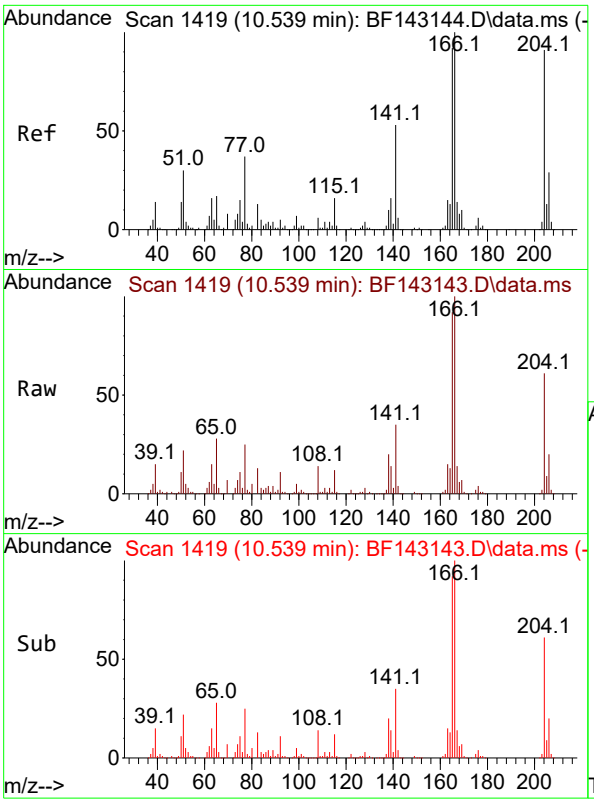


#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

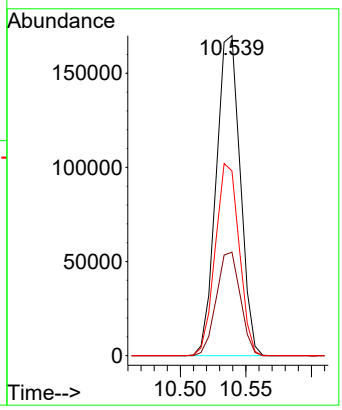
Tgt Ion:204 Resp: 21649

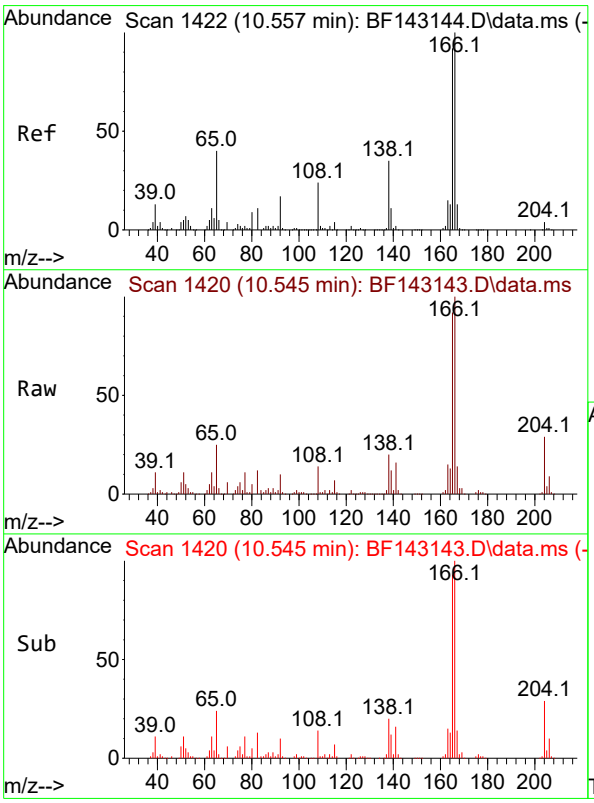
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	57.8	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

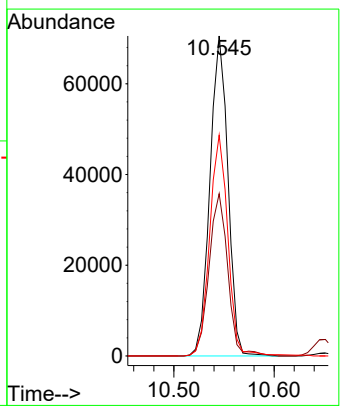


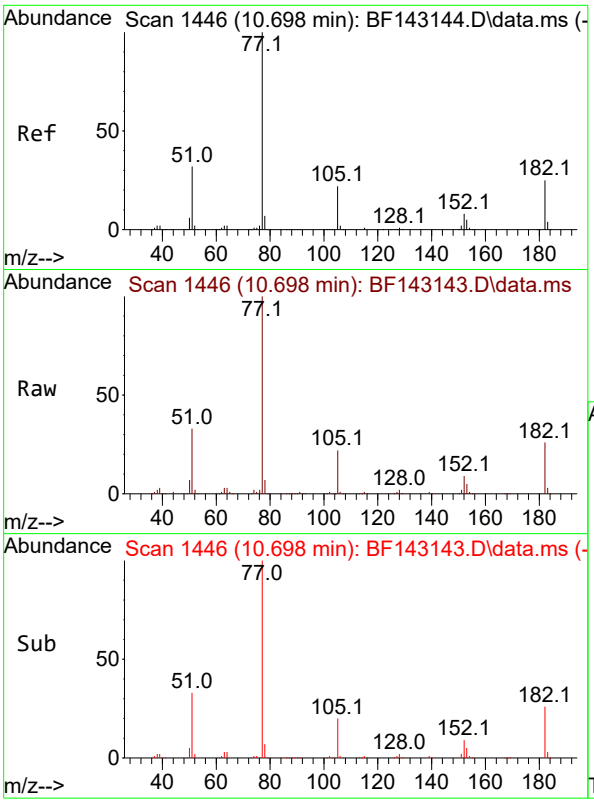


#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

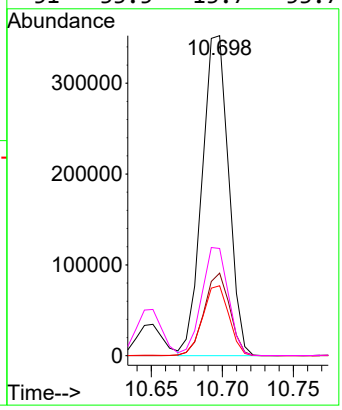
Tgt Ion: 77 Resp: 45801

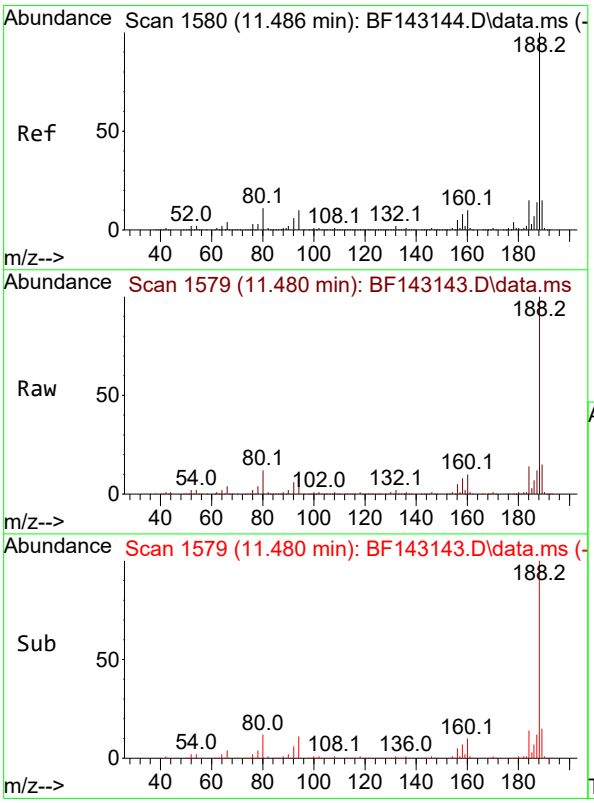
Ion	Ratio	Lower	Upper
77	100		
182	25.8	4.6	44.6
105	21.8	1.4	41.4
51	33.5	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

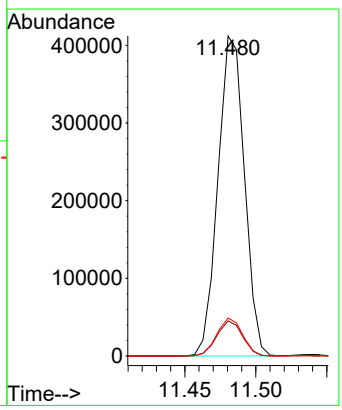


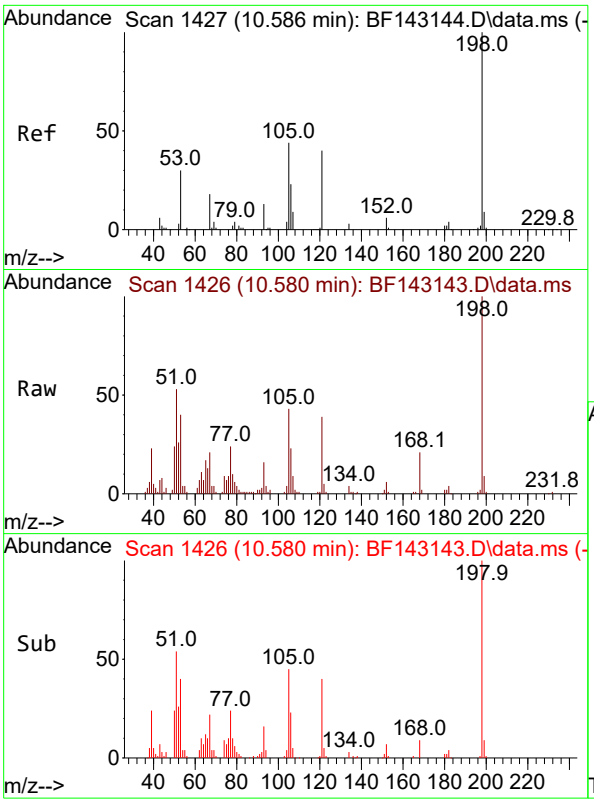


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

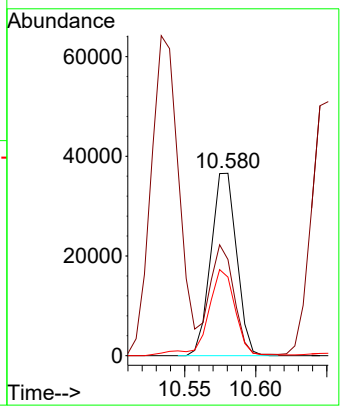
Tgt Ion:198 Resp: 4612

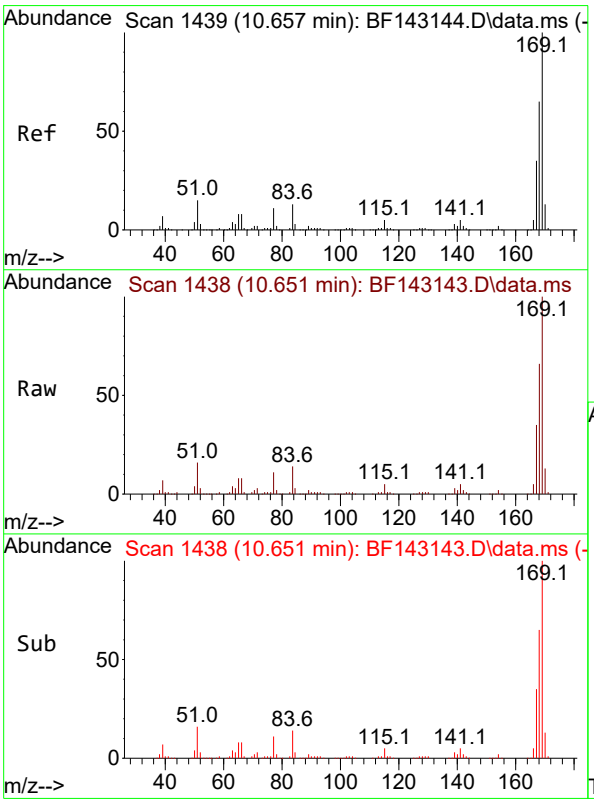
Ion	Ratio	Lower	Upper
198	100		
51	52.7	37.2	77.2
105	43.1	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

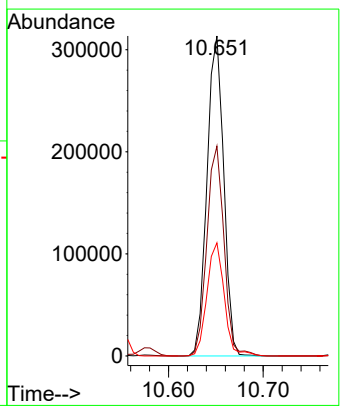


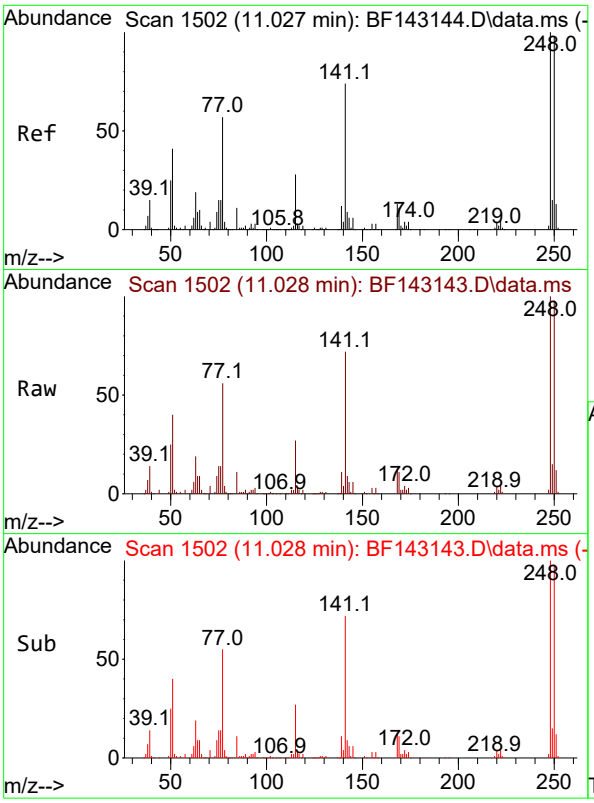


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

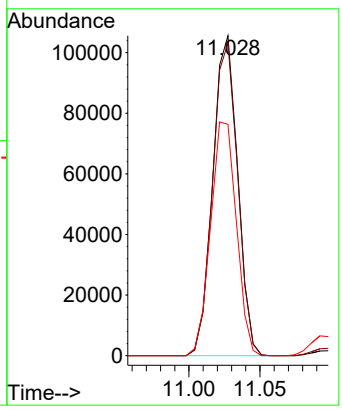
Tgt Ion:248 Resp: 12866

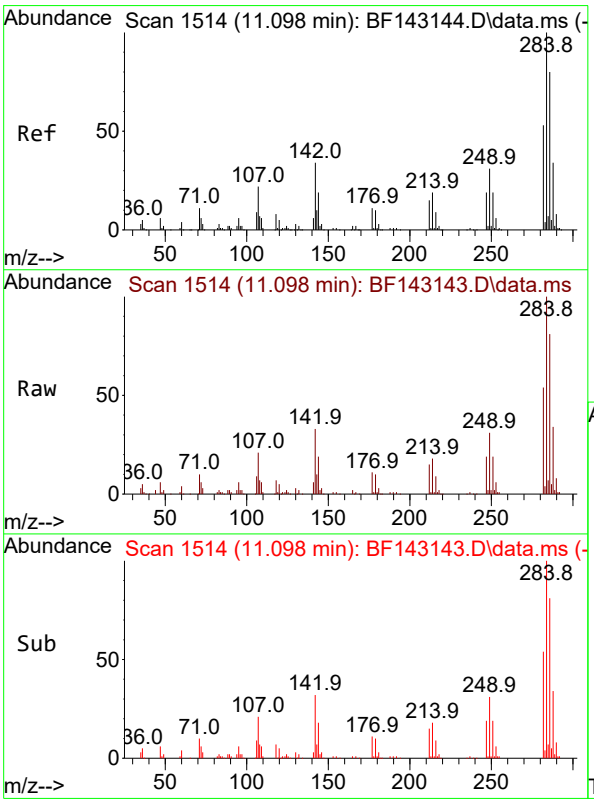
Ion	Ratio	Lower	Upper
248	100		
250	97.8	78.3	117.5
141	72.3	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

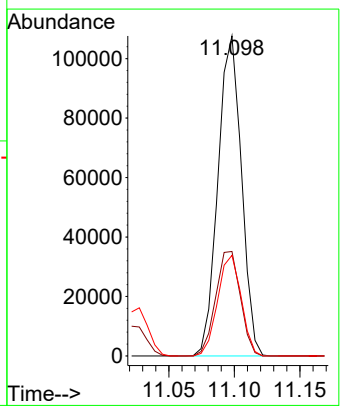


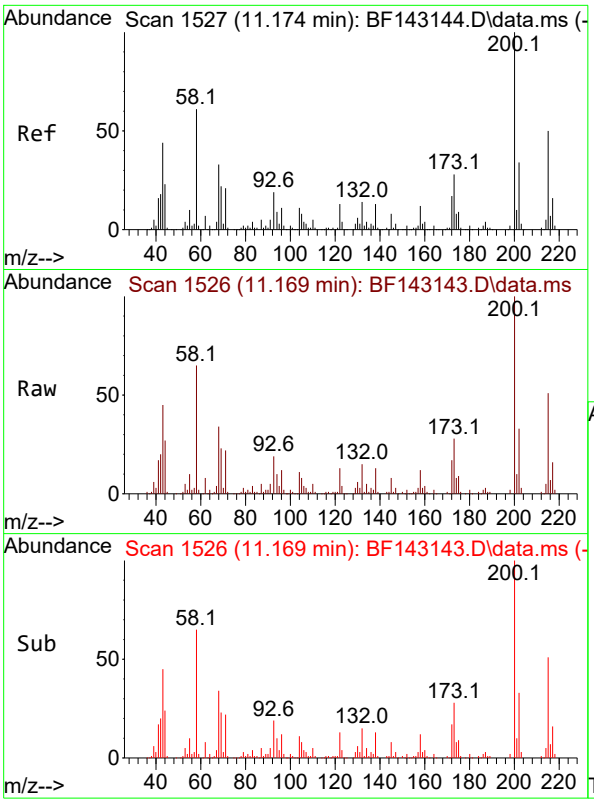


#68
Hexachlorobenzene
Concen: 20.191 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

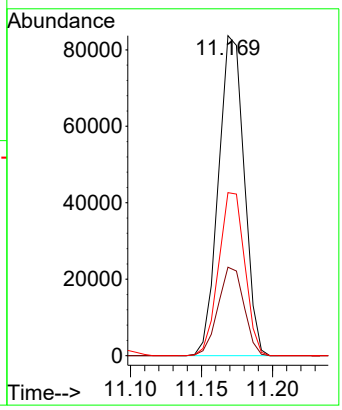
Tgt Ion:200 Resp: 10538

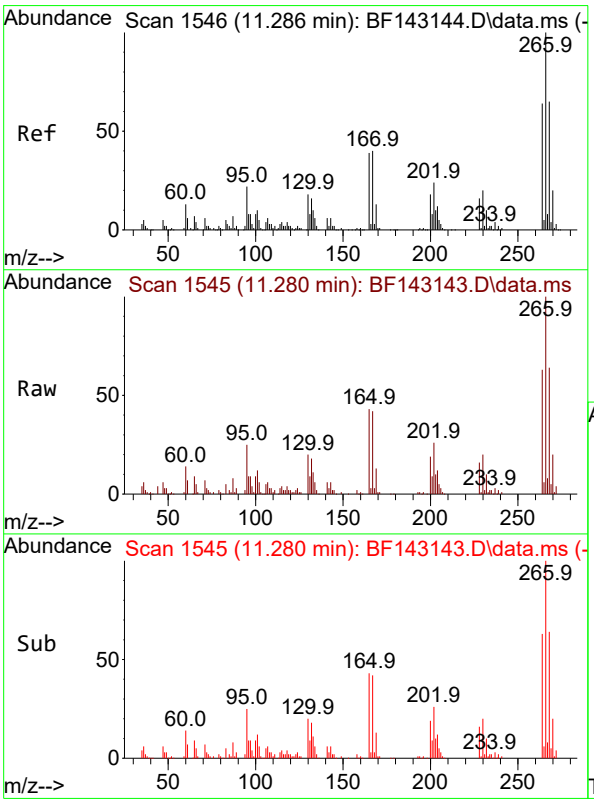
Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.9	47.9
215	51.0	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

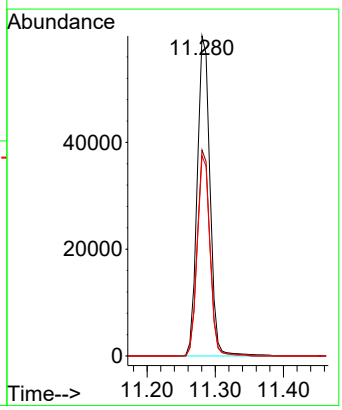


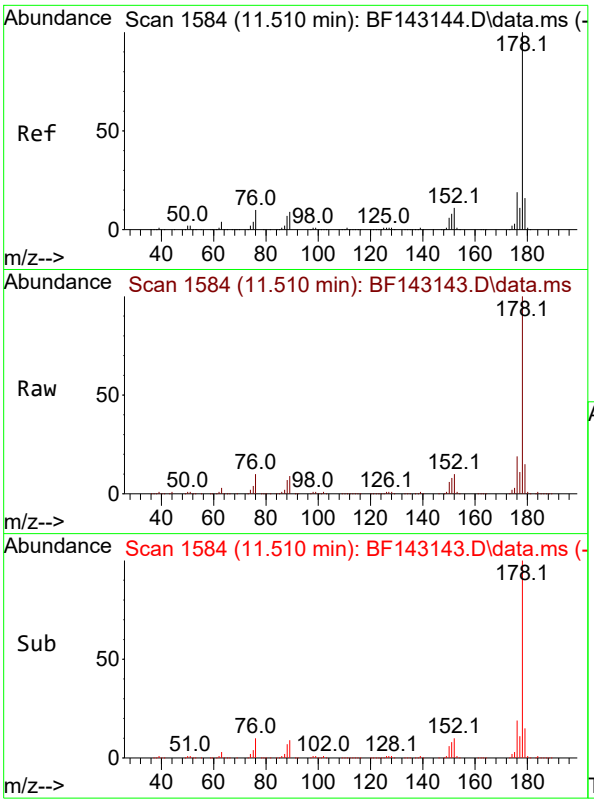


#70
Pentachlorophenol
Concen: 19.957 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

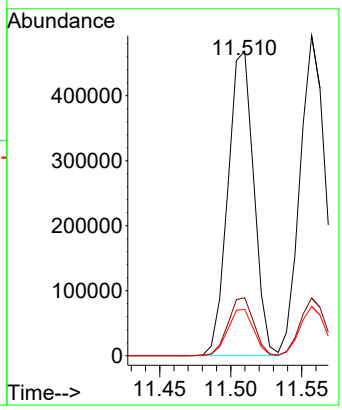
Tgt Ion:178 Resp: 59541

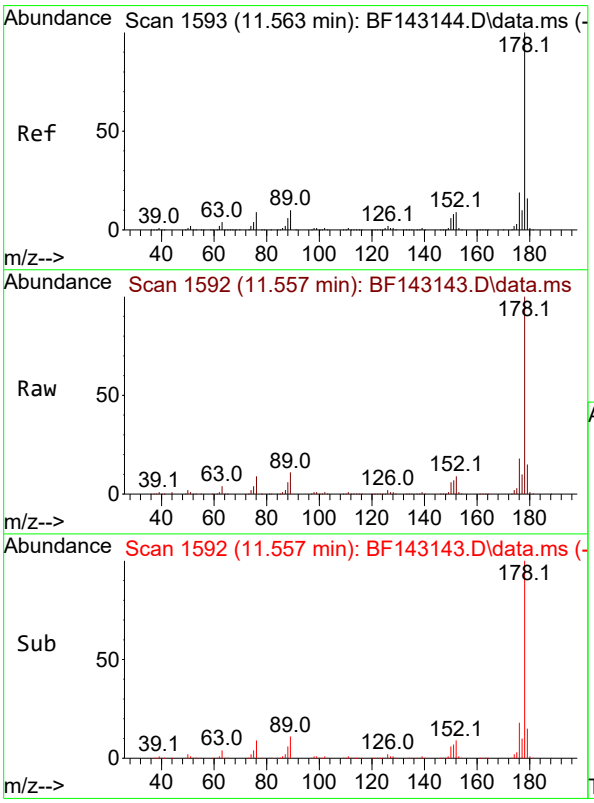
Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.3	22.9
179	15.2	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

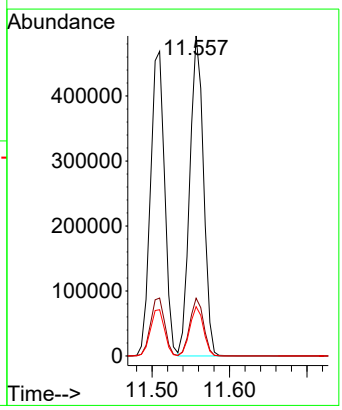


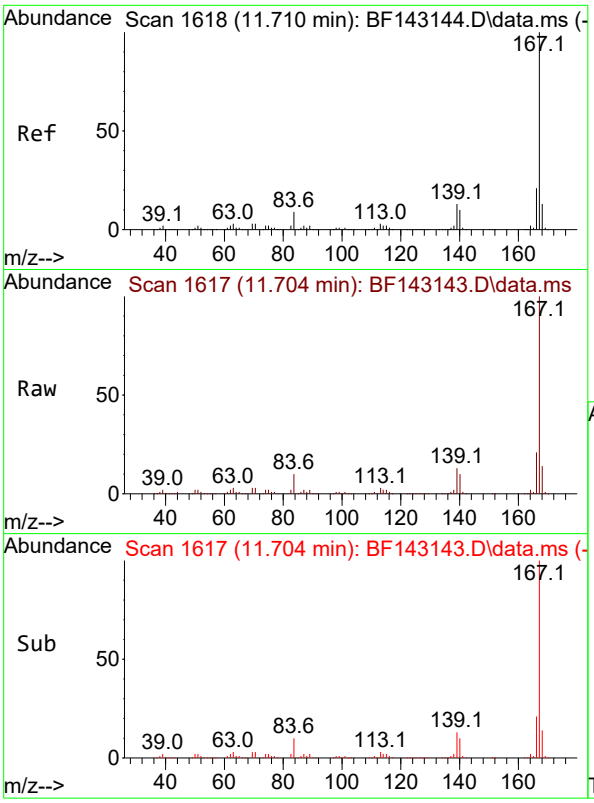


#72
Anthracene
Concen: 20.944 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

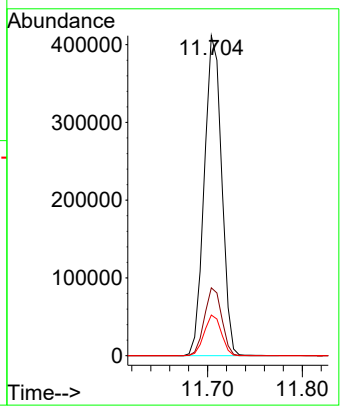
Tgt Ion:167 Resp: 52336

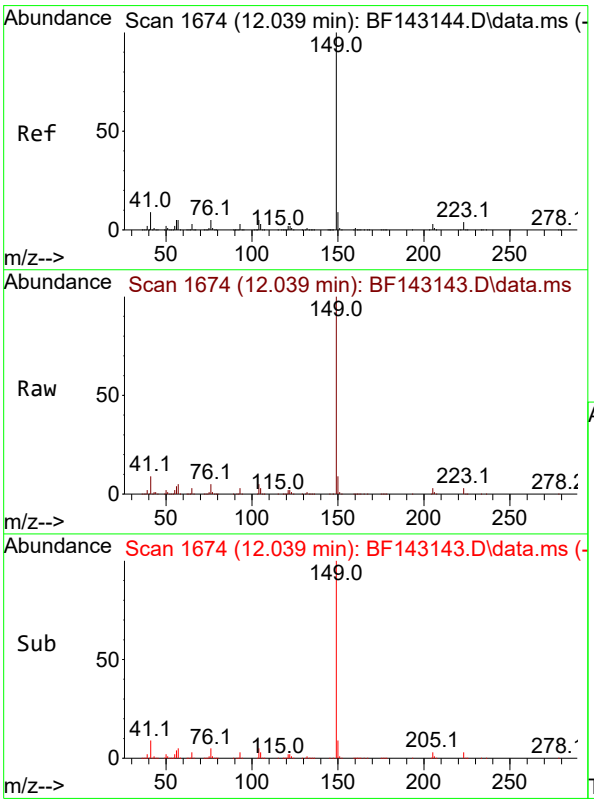
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.7	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

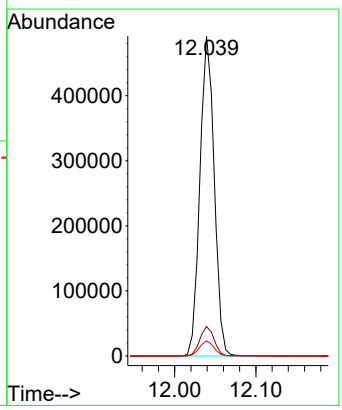


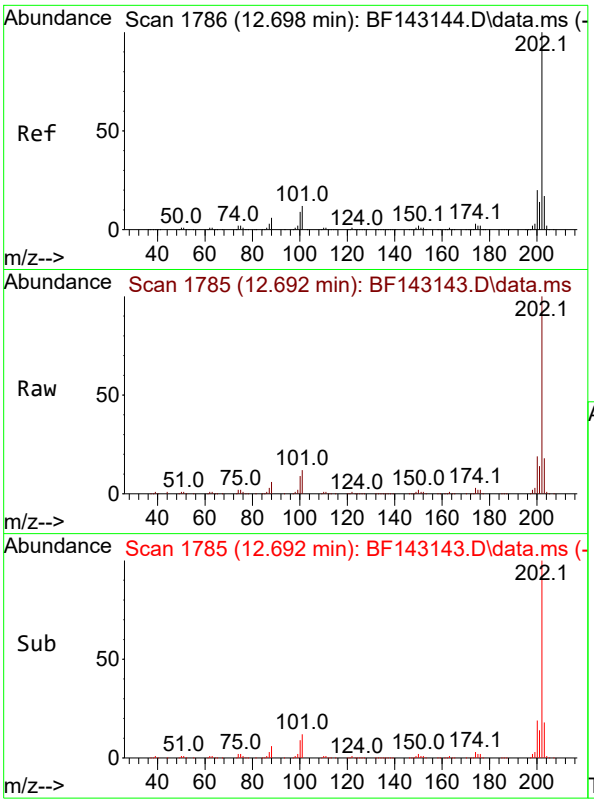


#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

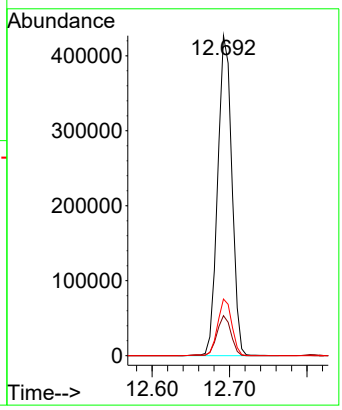
Tgt Ion:202 Resp: 54266

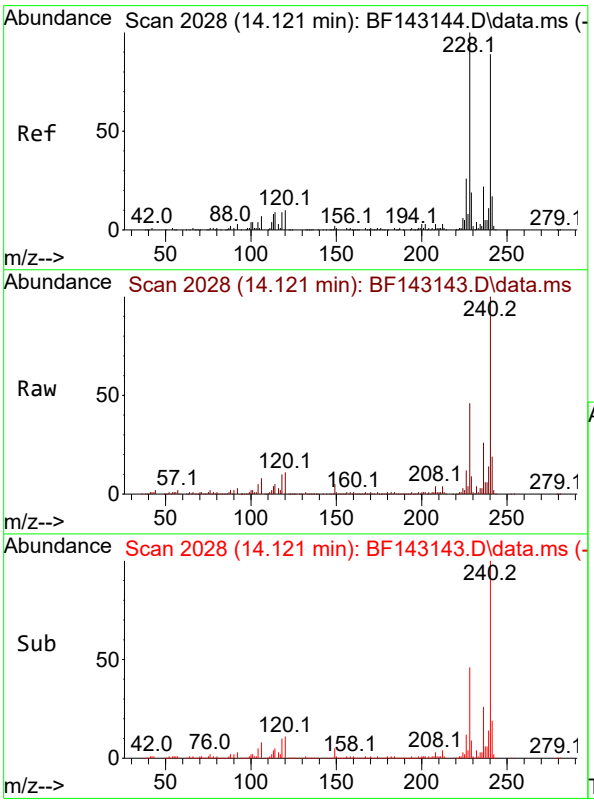
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.7
203	17.7	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

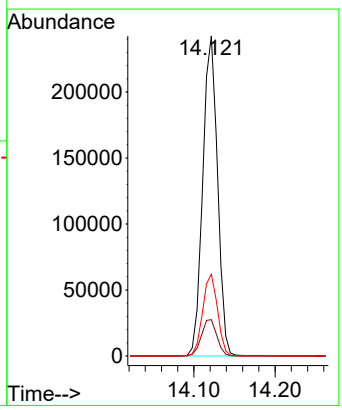


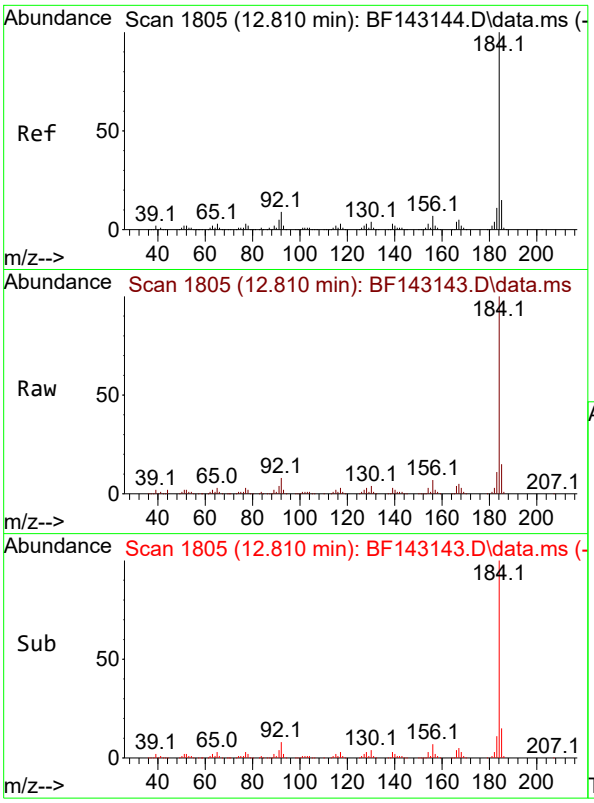


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

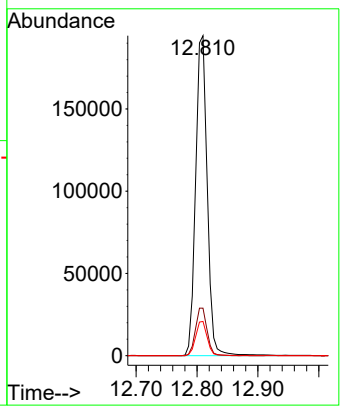
Tgt Ion:184 Resp: 25790

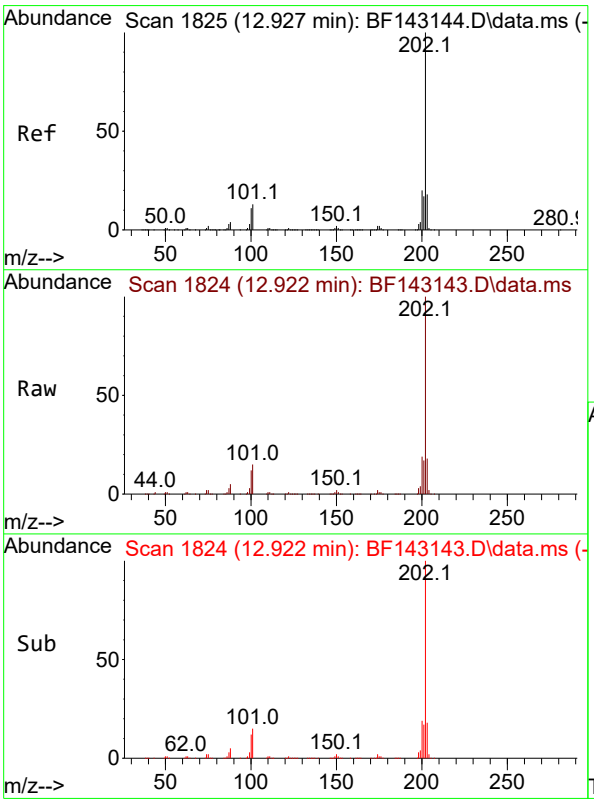
Ion	Ratio	Lower	Upper
184	100		
185	14.9	12.2	18.4
183	10.7	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

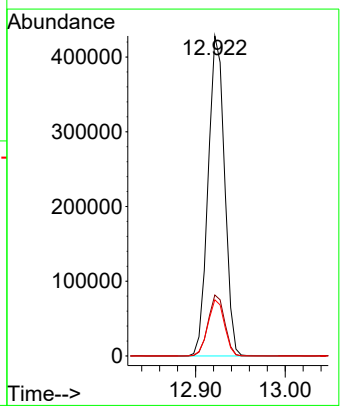


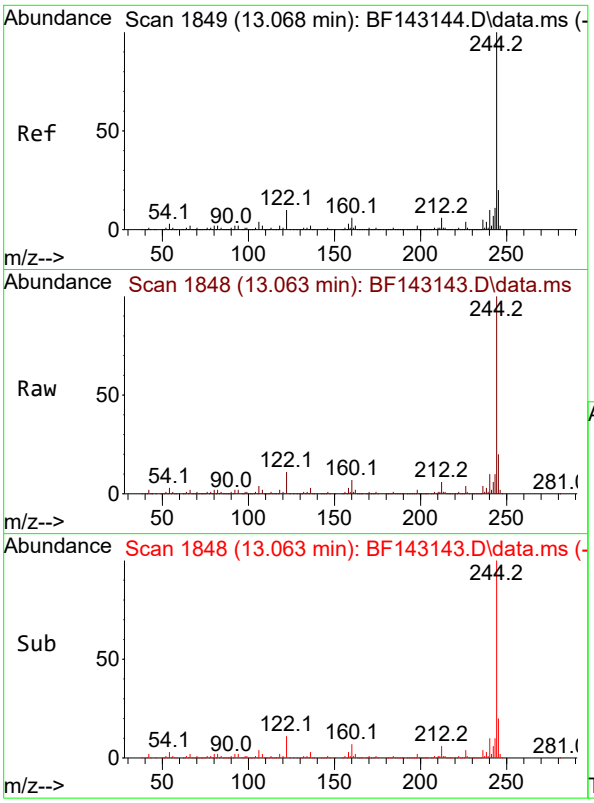


#78
Pyrene
Concen: 20.897 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

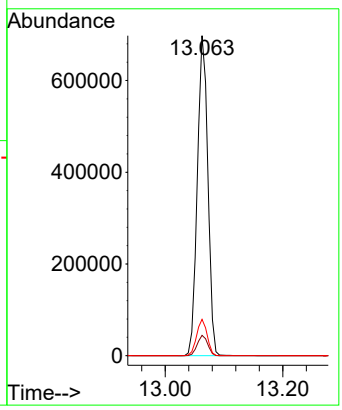
Tgt Ion:244 Resp: 86683

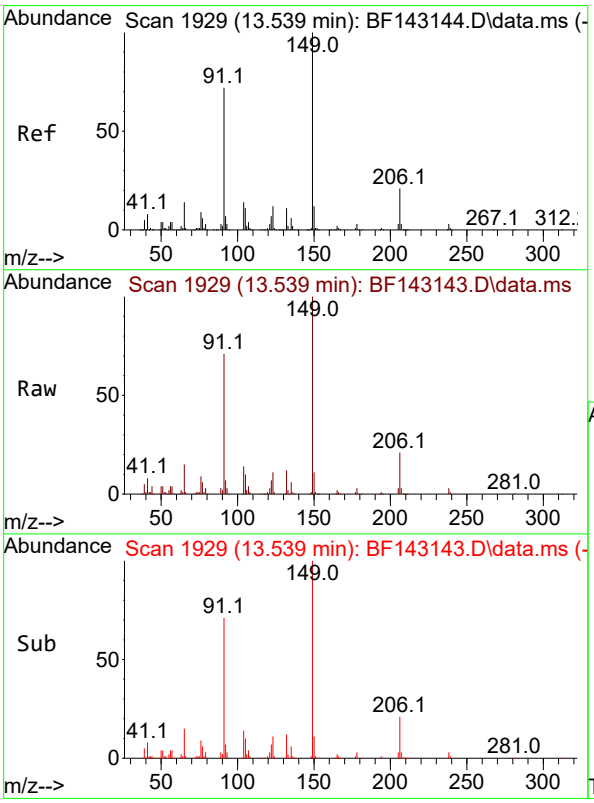
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.3	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

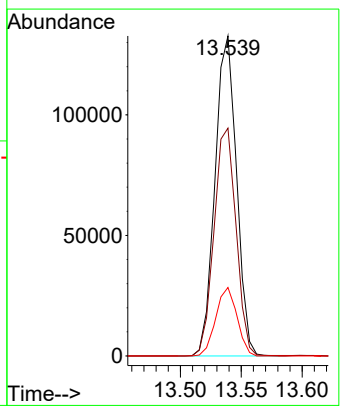


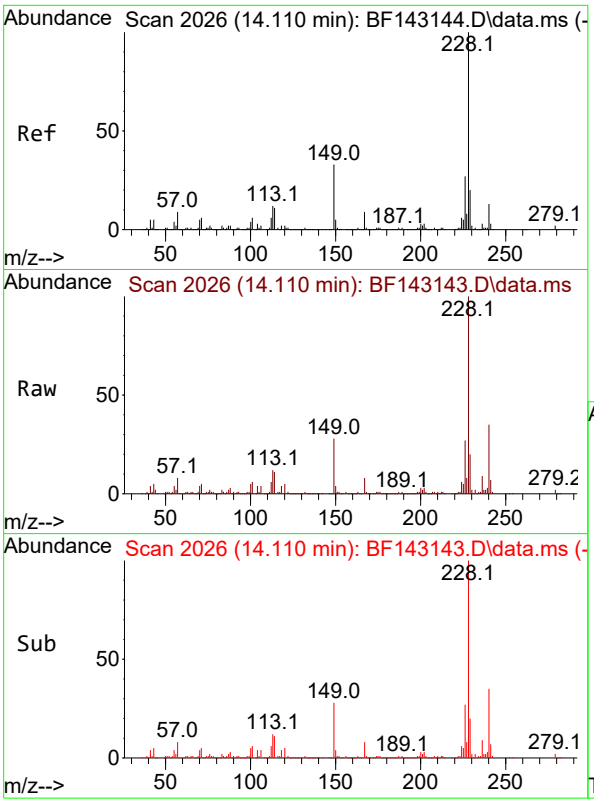


#80
Butylbenzylphthalate
Concen: 20.491 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

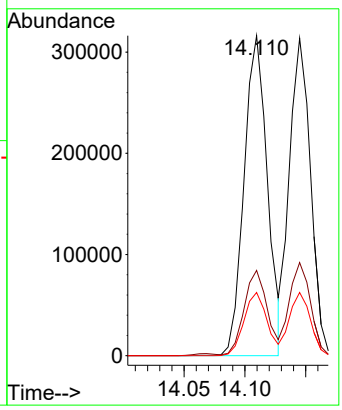
Tgt Ion:228 Resp: 42179

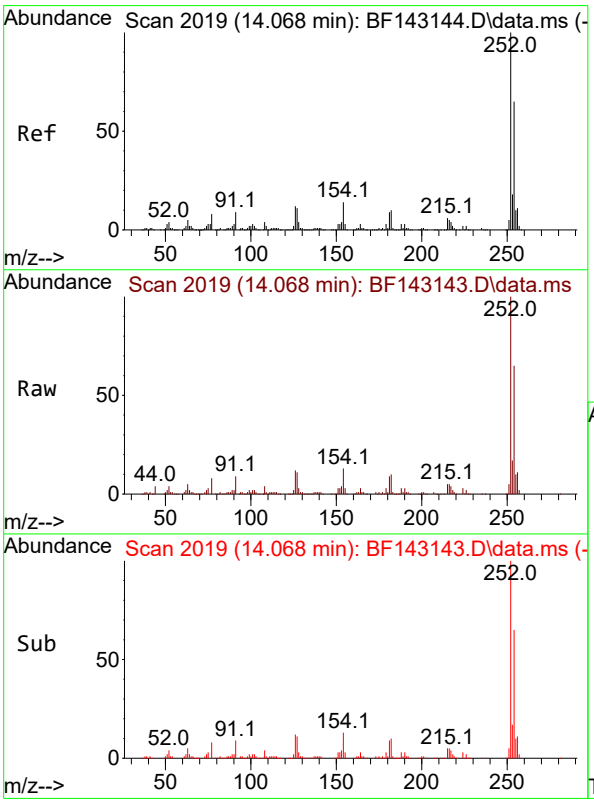
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.8	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

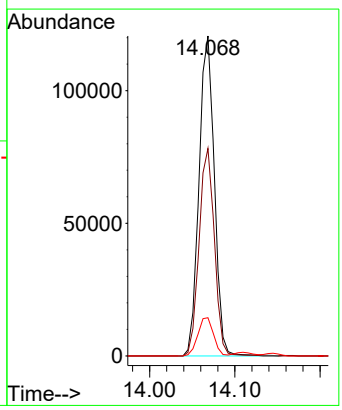


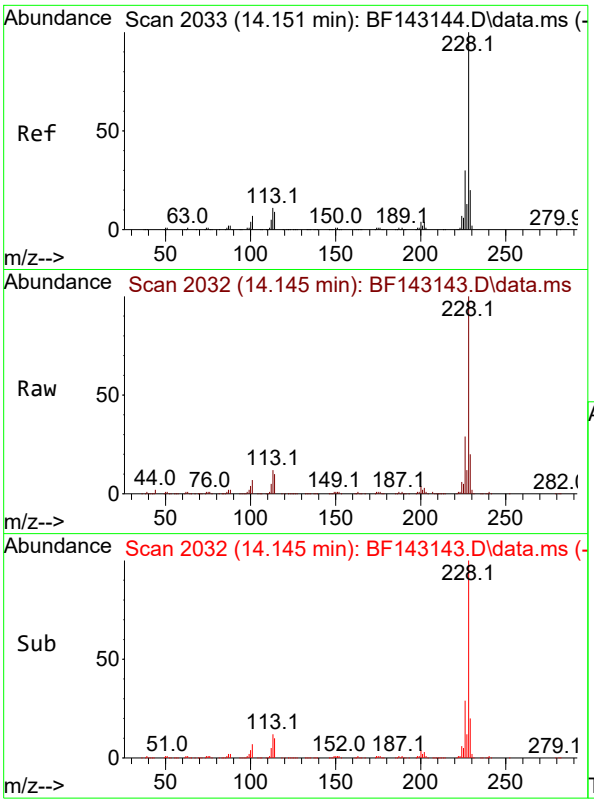


#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

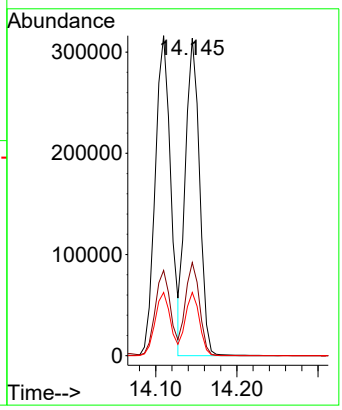
Tgt Ion:228 Resp: 380799

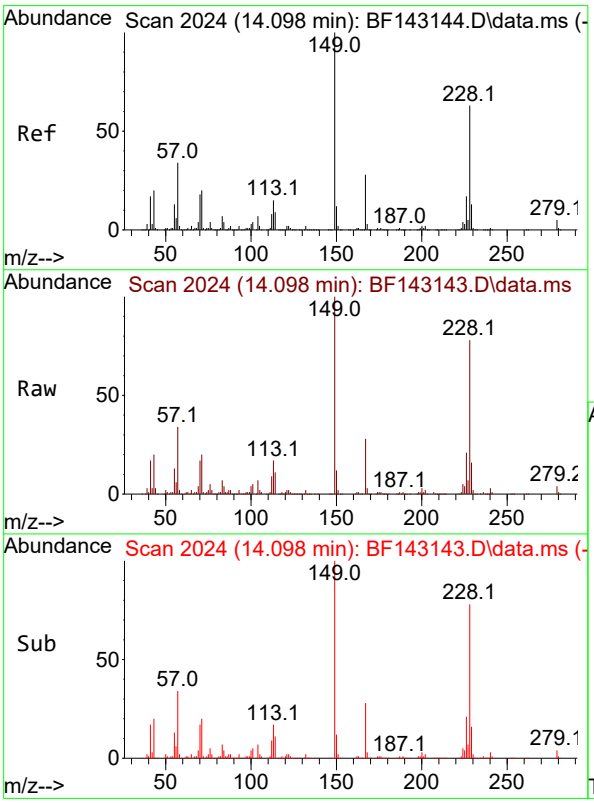
Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	19.9	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

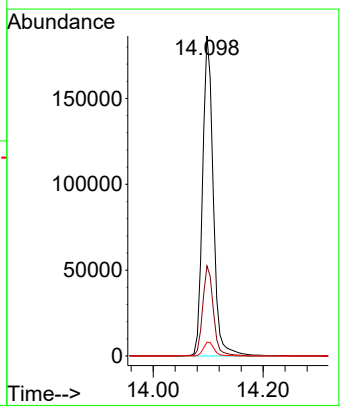


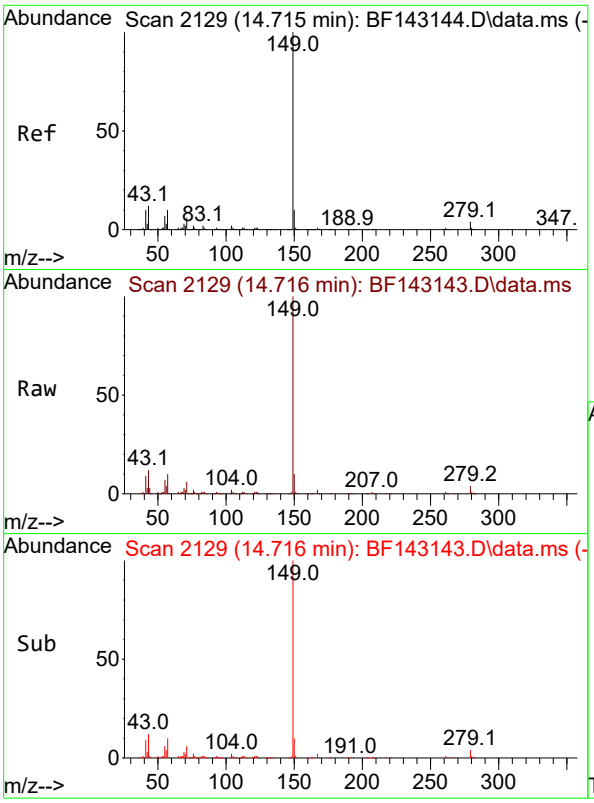


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.839 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

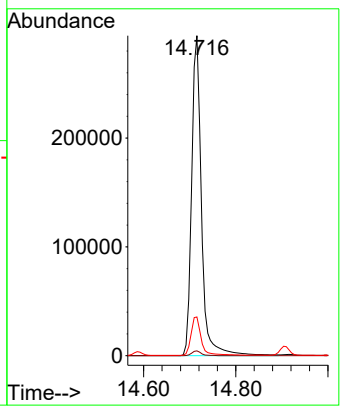
Tgt Ion:149 Resp: 43610

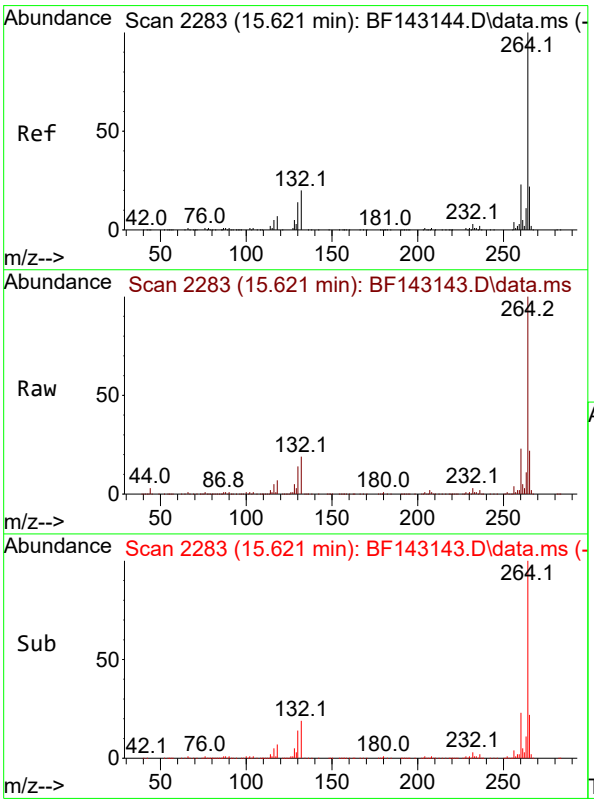
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.4	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

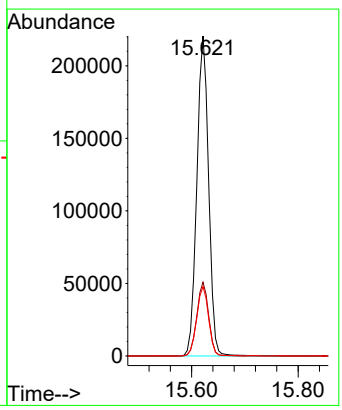


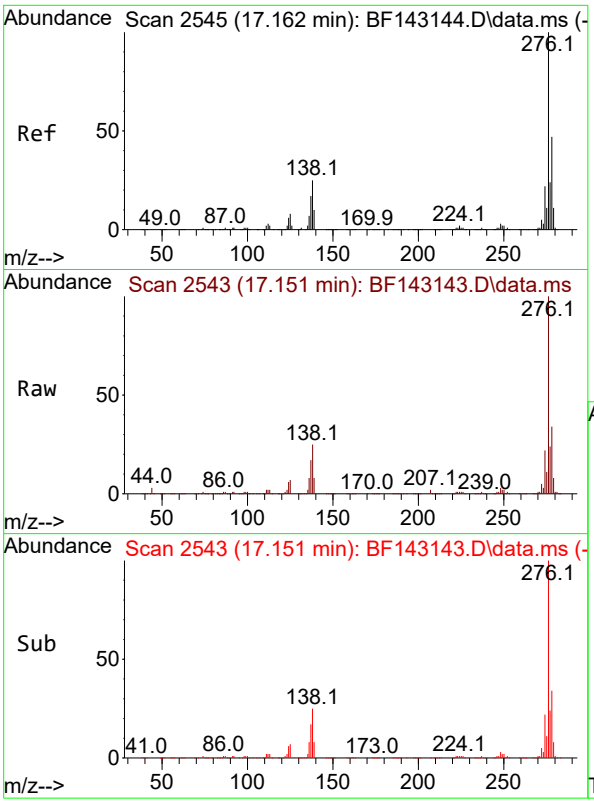


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

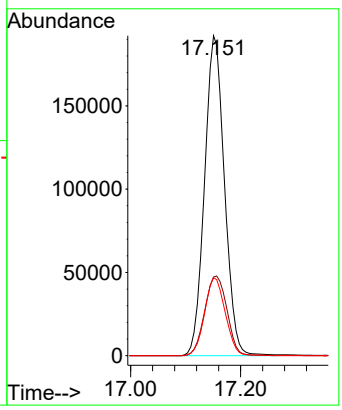
Tgt Ion:276 Resp: 484240

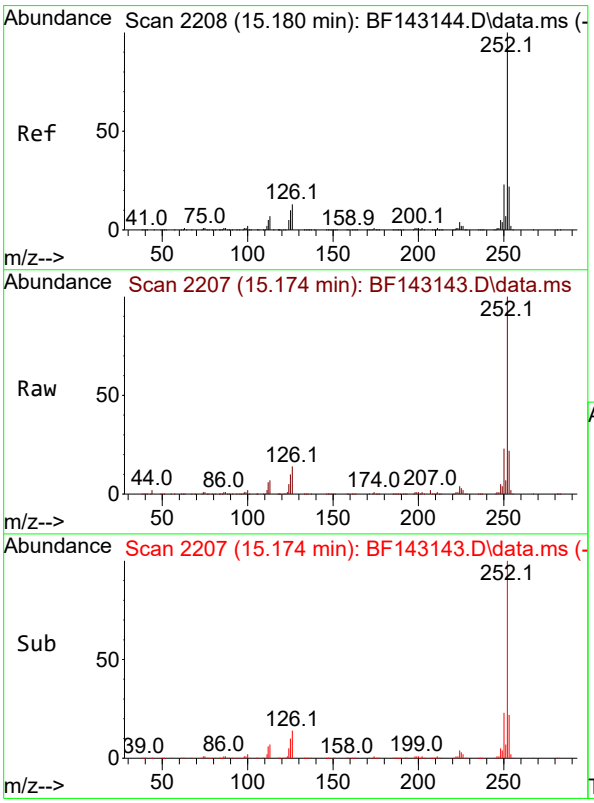
Ion	Ratio	Lower	Upper
276	100		
138	27.8	21.8	32.6
277	25.3	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

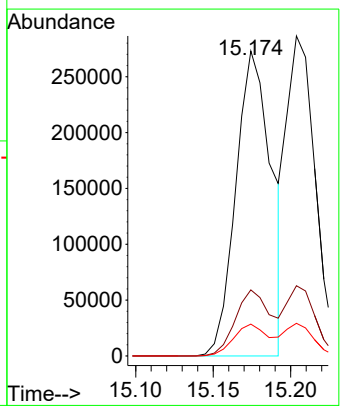


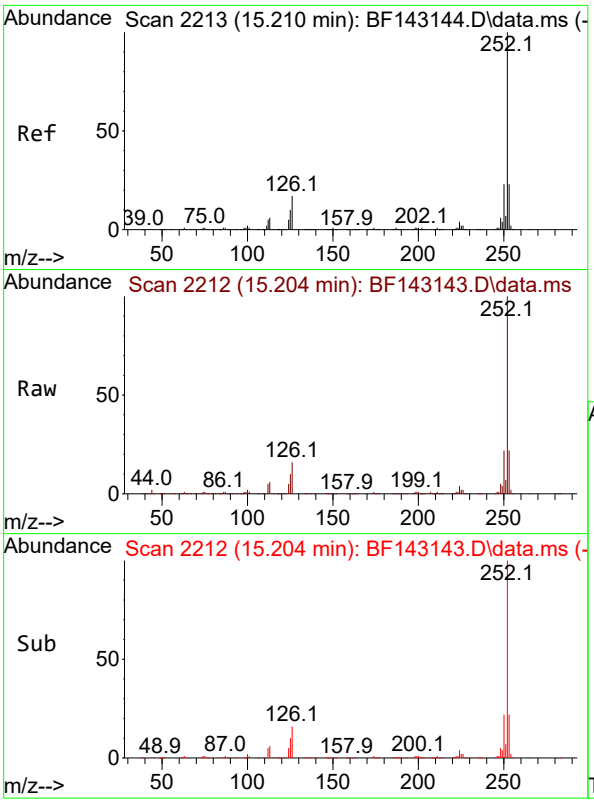


#88
Benzo(b)fluoranthene
Concen: 21.071 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

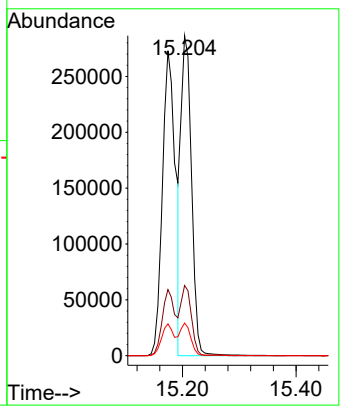
Tgt Ion:252 Resp: 369899

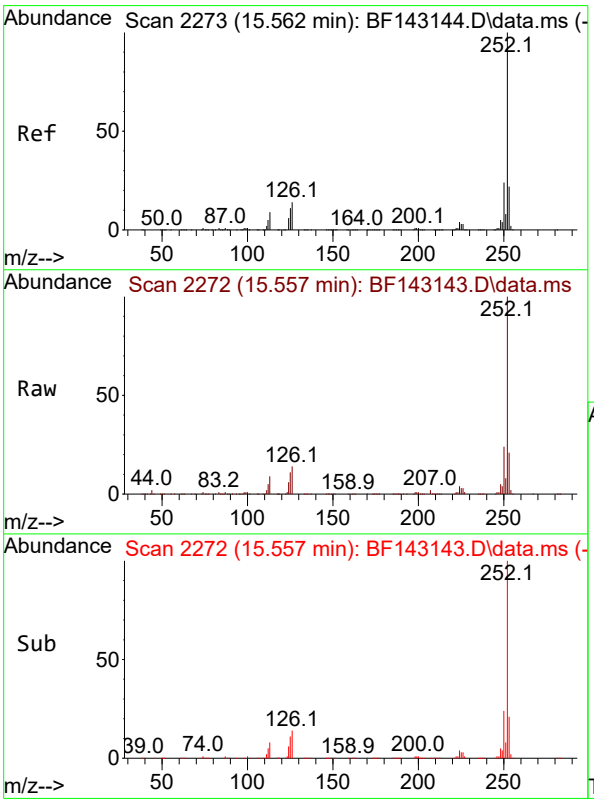
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.2	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

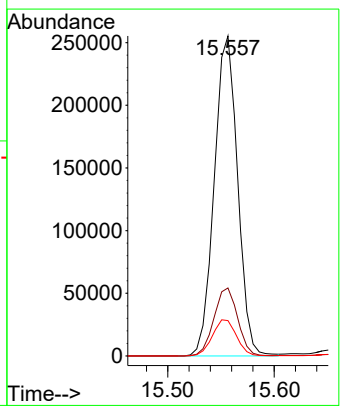


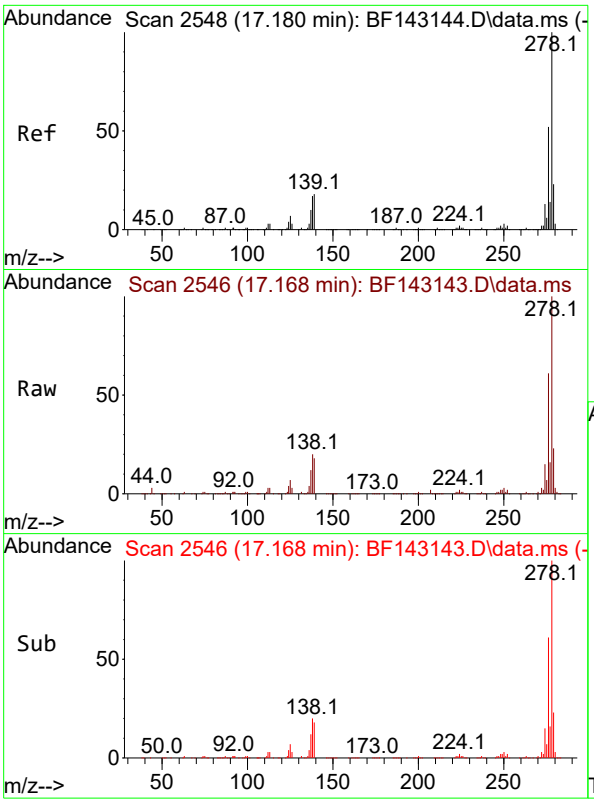


#90
Benzo(a)pyrene
Concen: 20.371 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

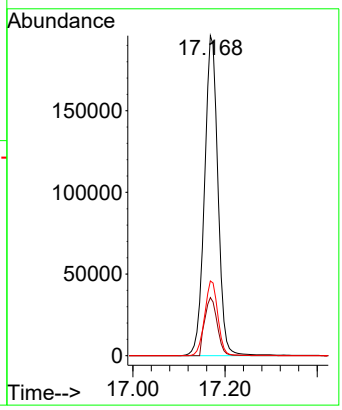
Tgt Ion:278 Resp: 39894

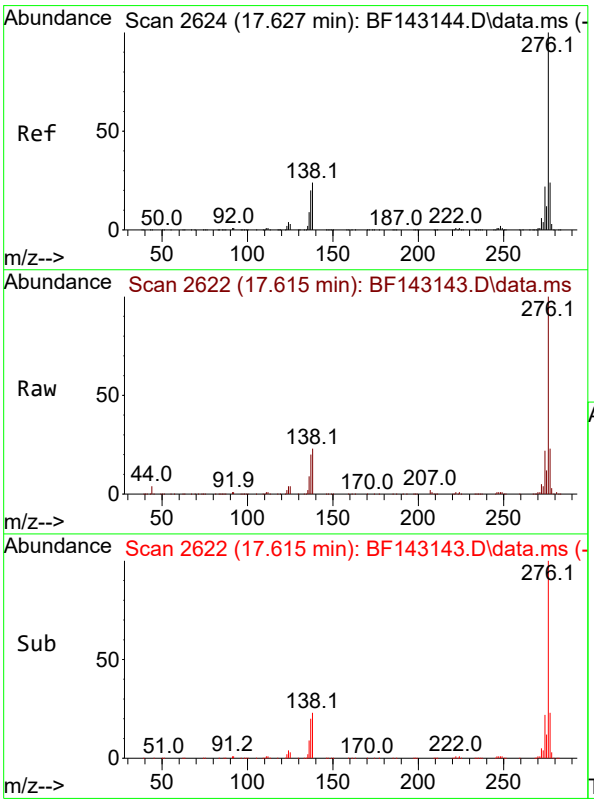
Ion	Ratio	Lower	Upper
278	100		
139	18.2	14.1	21.1
279	23.4	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

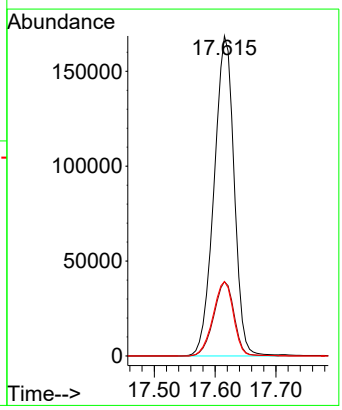




#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



Quantitation Report (QT Reviewed)

ICAL Form

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

ICAL Form

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

Quantitation Report (QT Reviewed)

ICAL Form

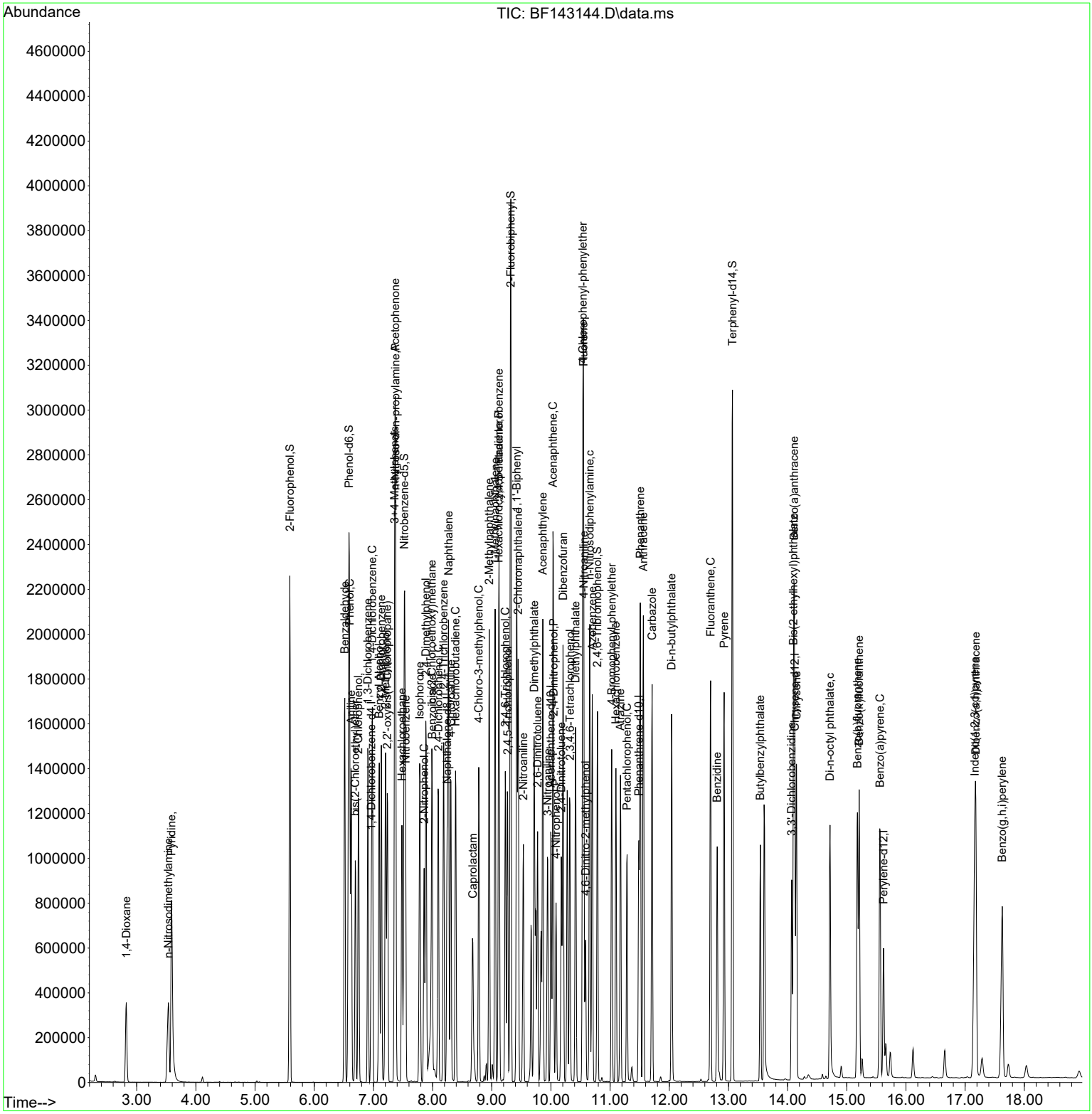
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143144.D
Acq On : 17 Jul 2025 13:03
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 7 Sample Multiplier: 1

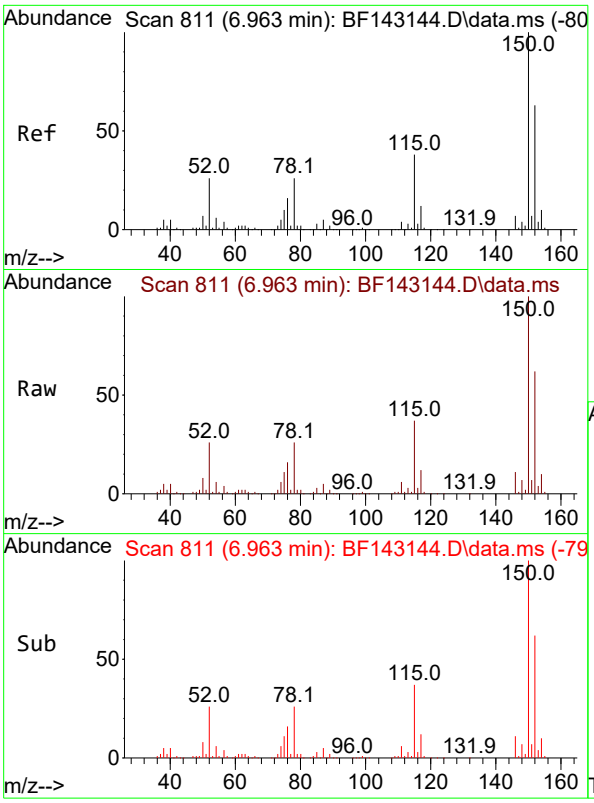
Quant Time: Jul 17 15:03:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

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

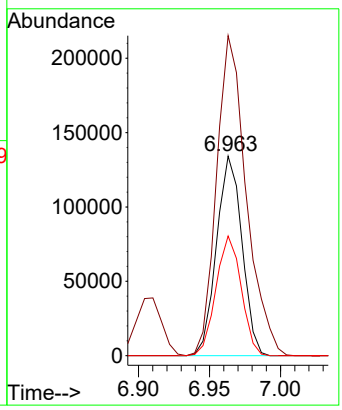
Tgt Ion:152 Resp: 16709

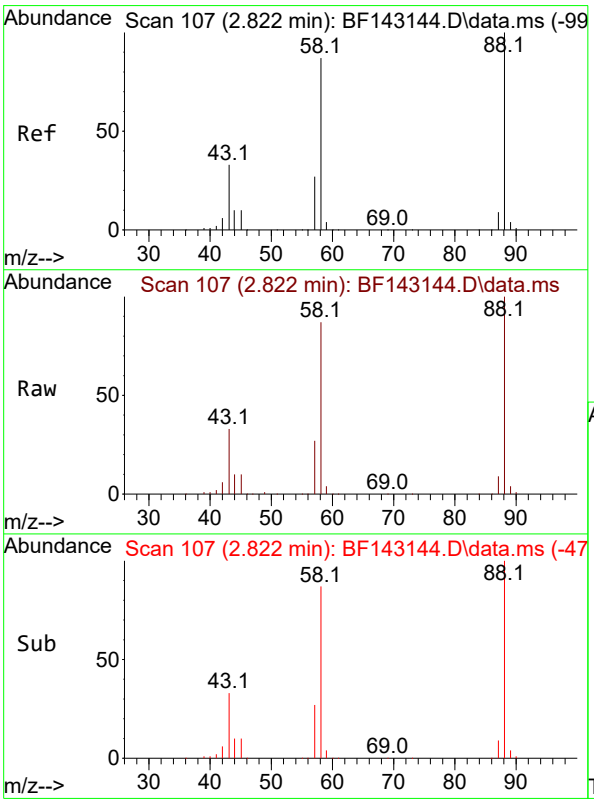
Ion	Ratio	Lower	Upper
152	100		
150	160.3	128.2	192.4
115	59.9	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

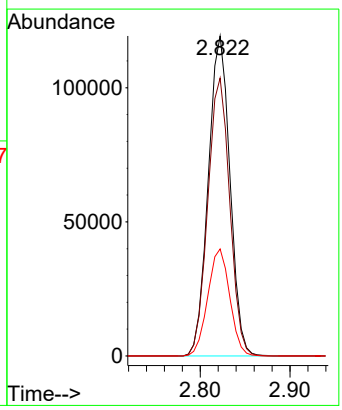


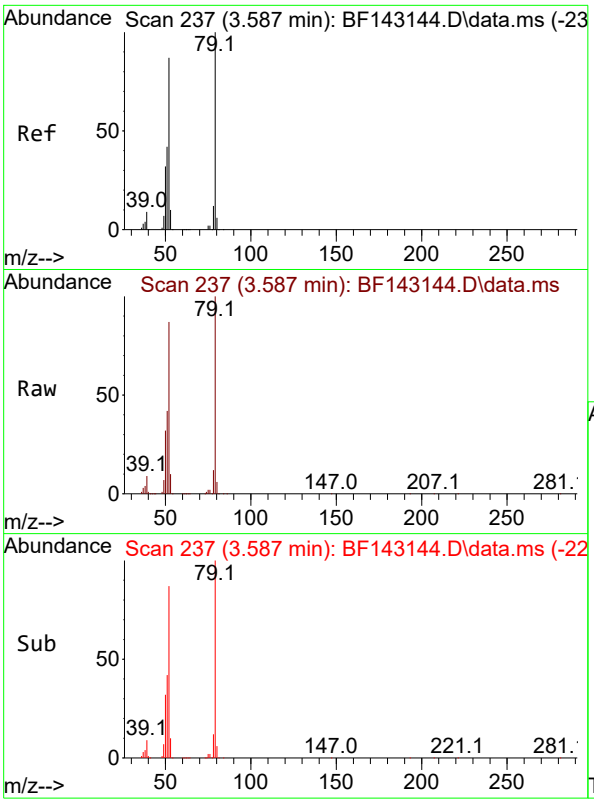


#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

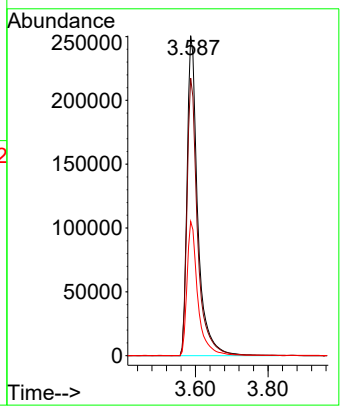
Tgt Ion: 79 Resp: 51141

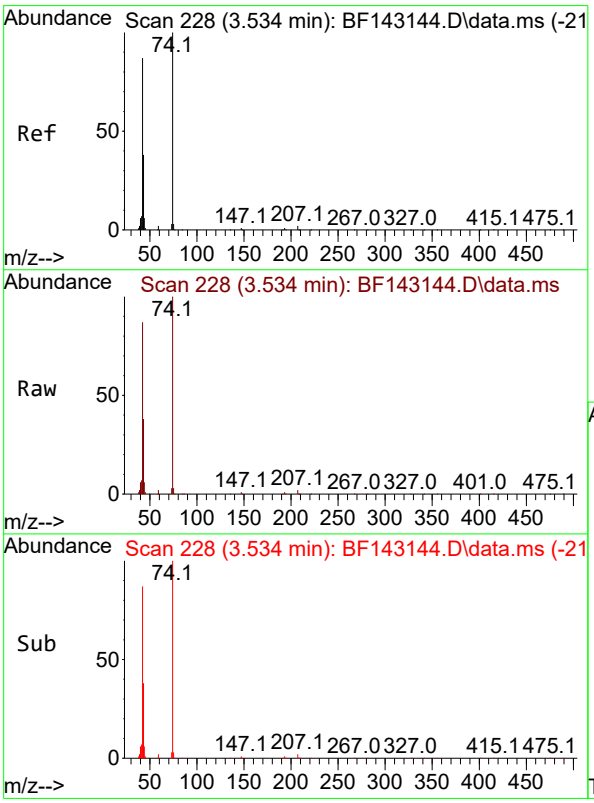
Ion	Ratio	Lower	Upper
79	100		
52	86.8	69.4	104.2
51	41.9	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

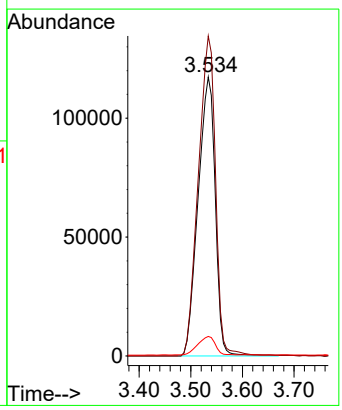


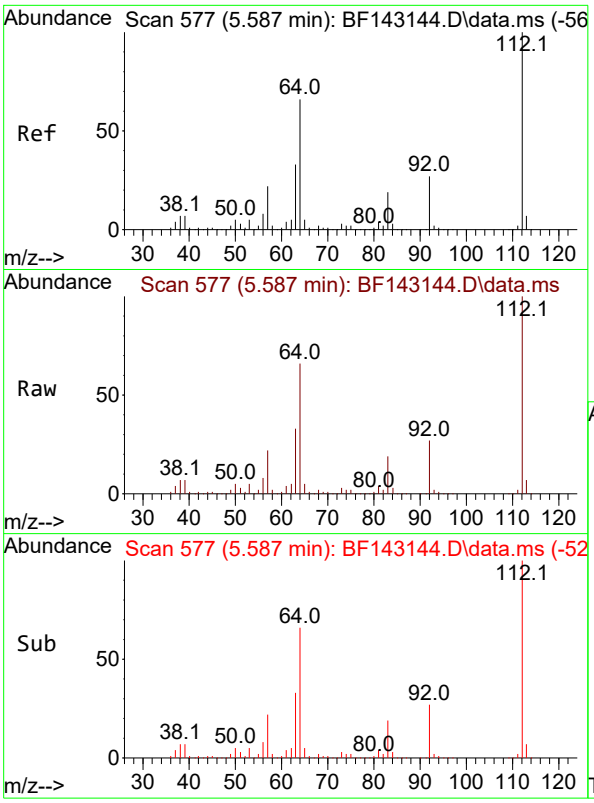


#4
n-Nitrosodimethylamine
Concen: 40.426 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

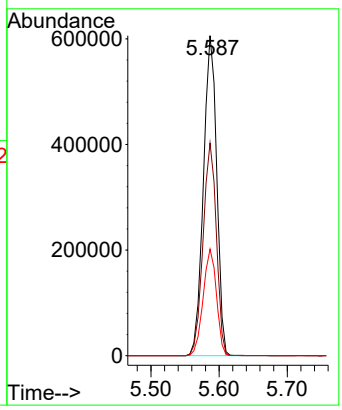
Tgt Ion:112 Resp: 82306

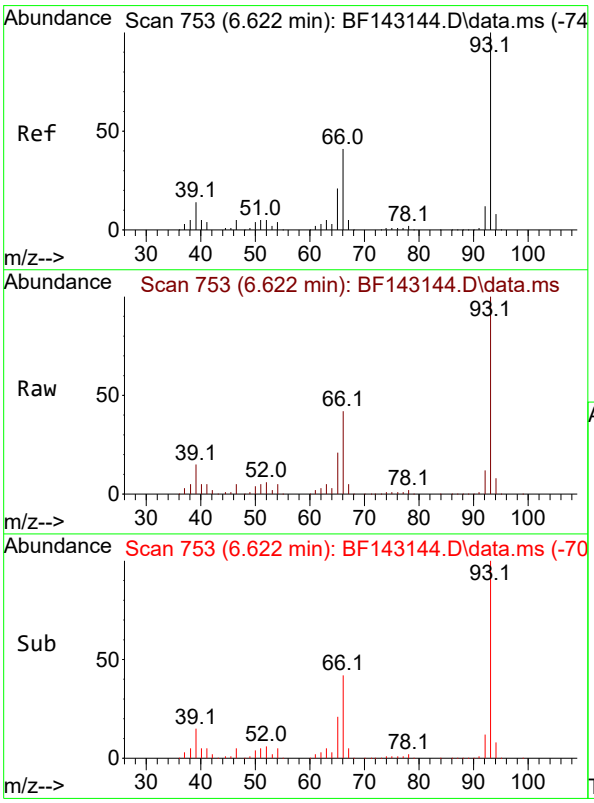
Ion	Ratio	Lower	Upper
112	100		
64	66.4	53.1	79.7
63	33.3	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

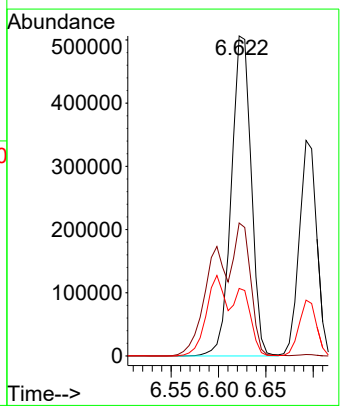


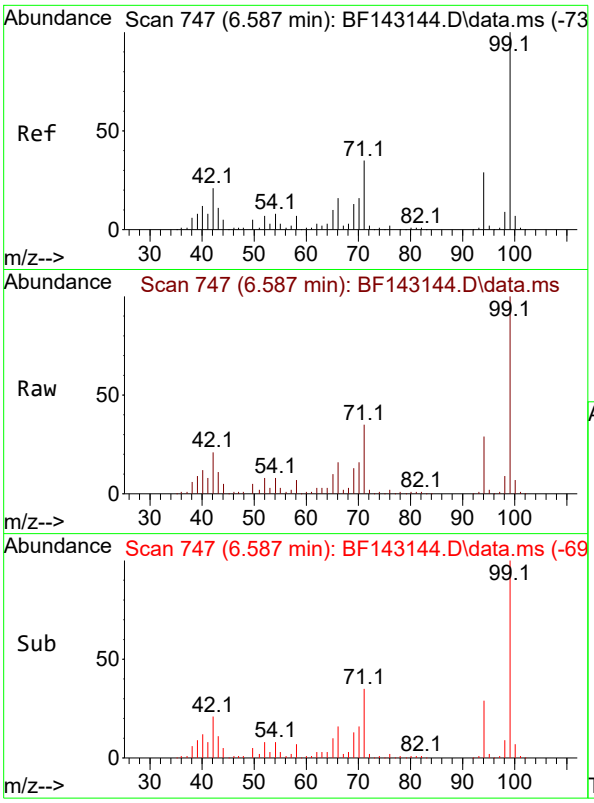


#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

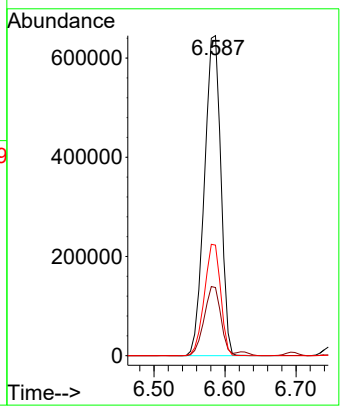
Tgt Ion: 99 Resp: 103882

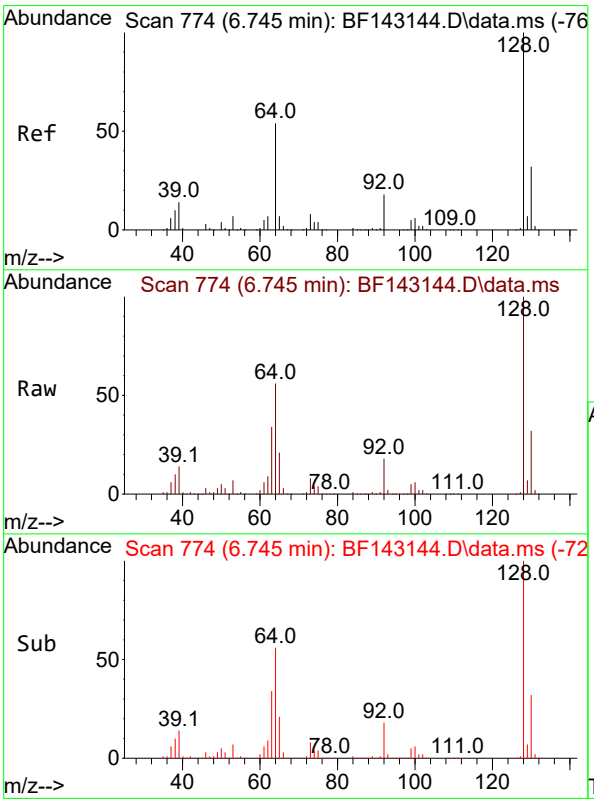
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	34.6	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

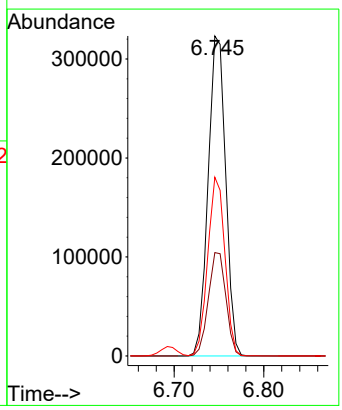


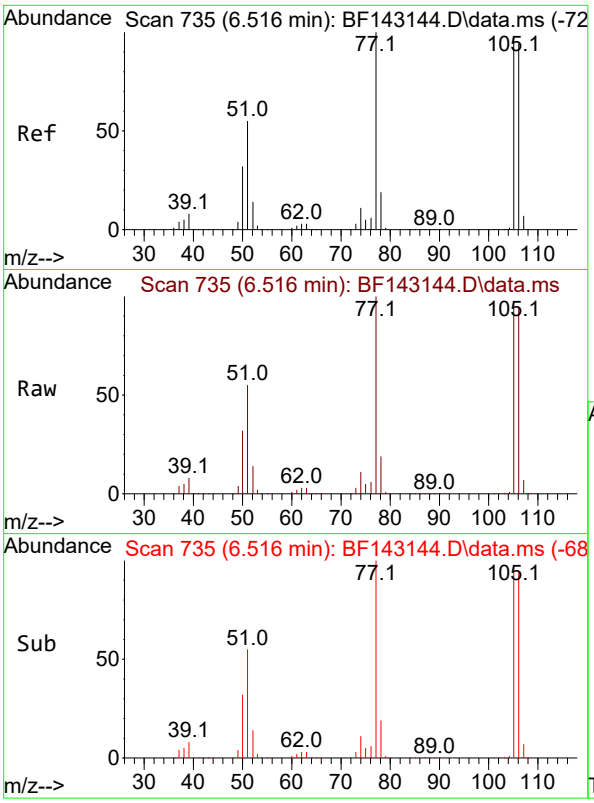


#8
2-Chlorophenol
Concen: 39.565 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

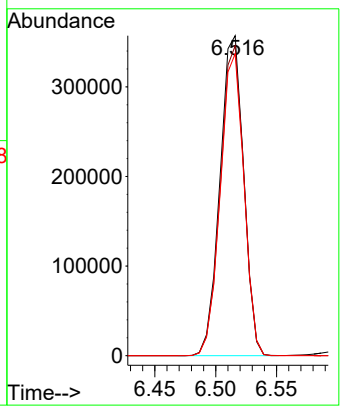
Tgt Ion: 77 Resp: 48223

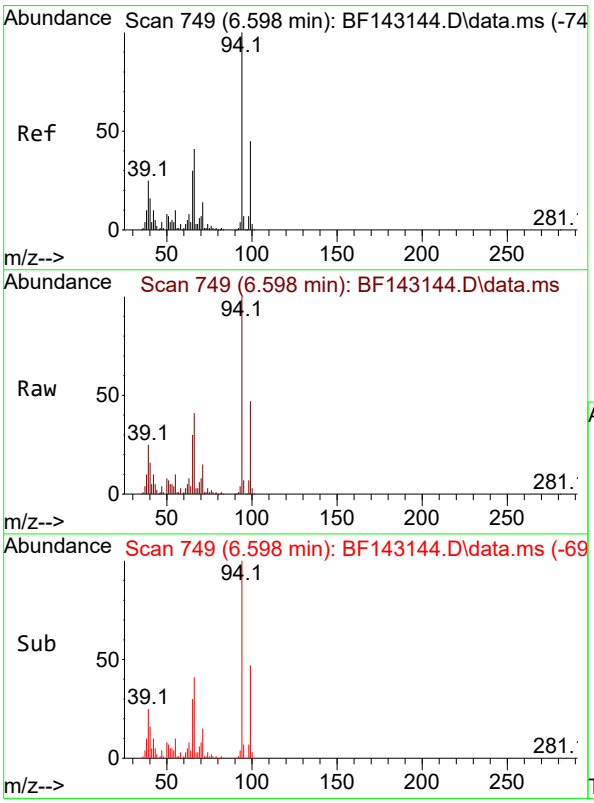
Ion	Ratio	Lower	Upper
77	100		
105	96.8	76.8	116.8
106	94.4	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

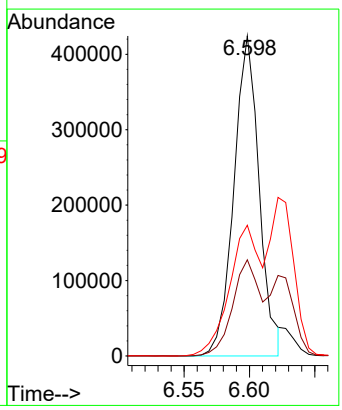


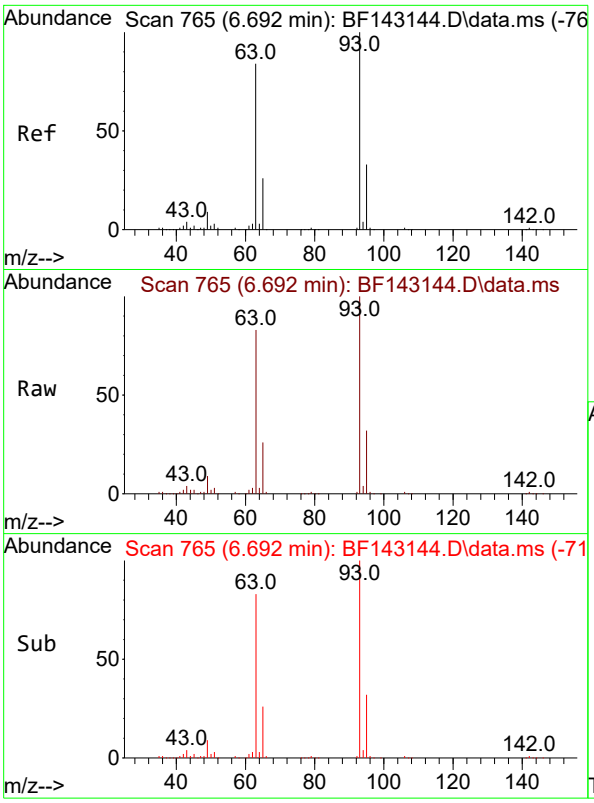


#10
Phenol
Concen: 39.487 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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





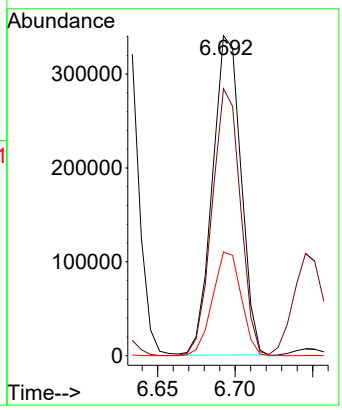
#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

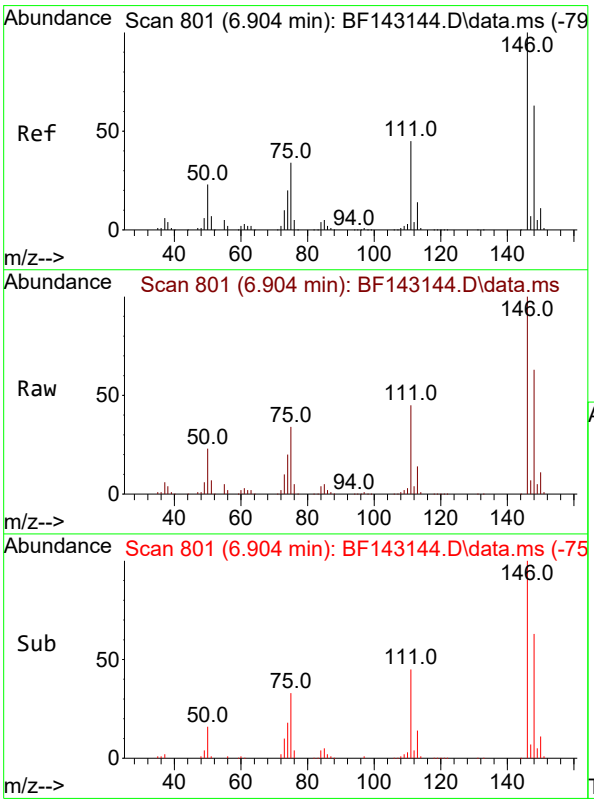
Tgt Ion: 93 Resp: 43545

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

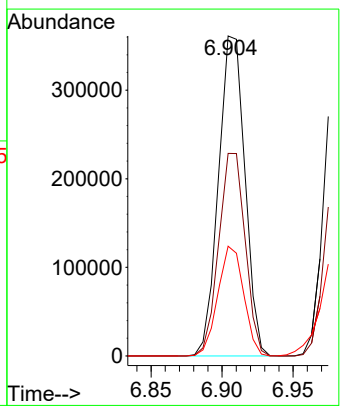


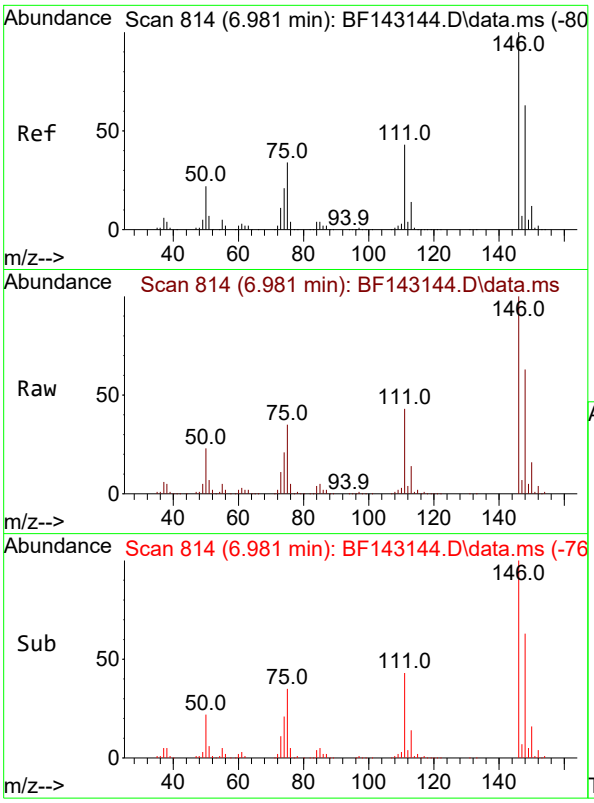


#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

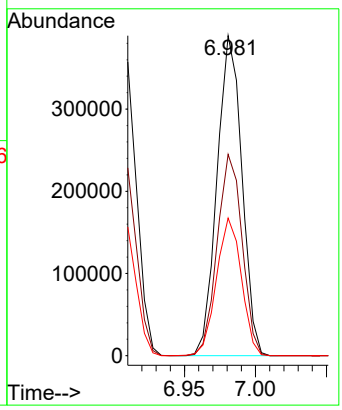
Tgt Ion:146 Resp: 47401

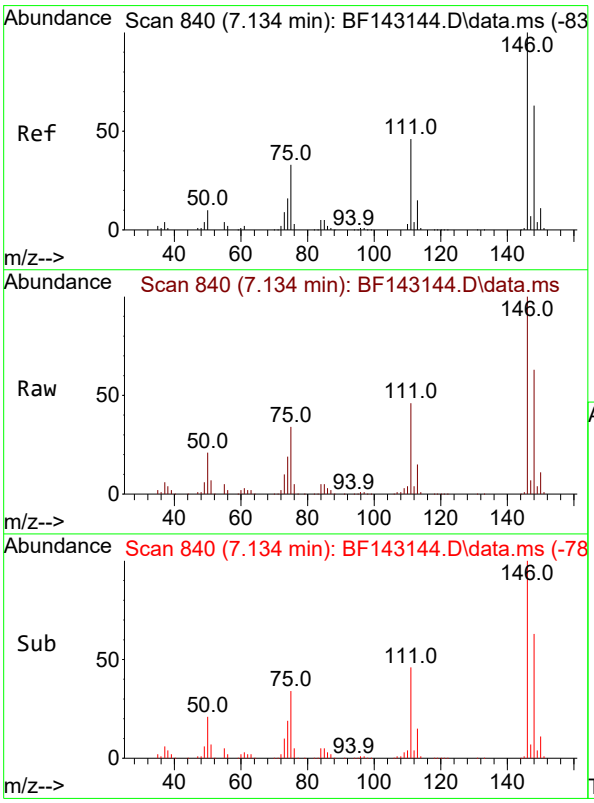
Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.0	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

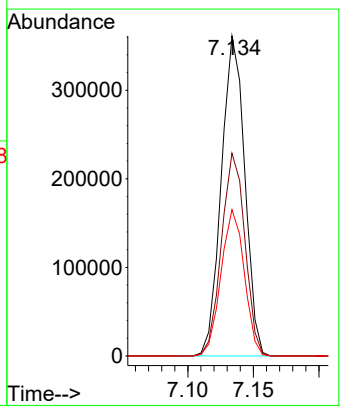


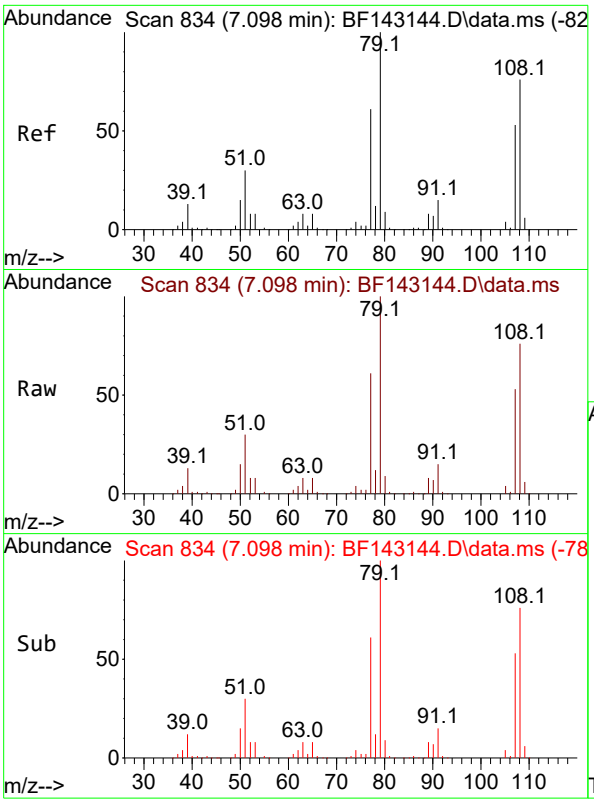


#14
1,2-Dichlorobenzene
Concen: 38.970 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

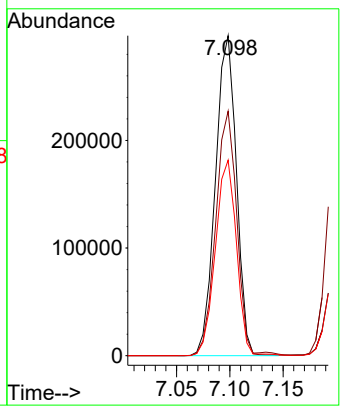
Tgt Ion: 79 Resp: 40610

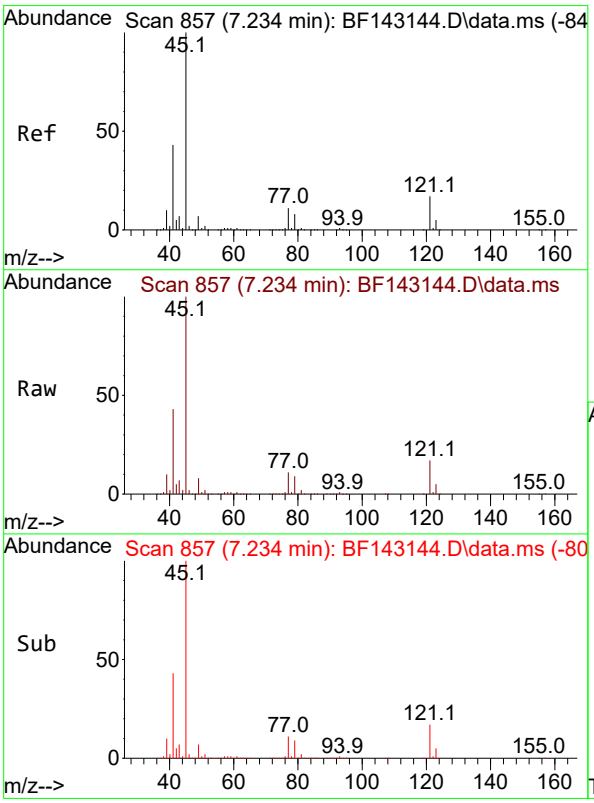
Ion	Ratio	Lower	Upper
79	100		
108	76.4	61.1	91.7
77	61.1	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

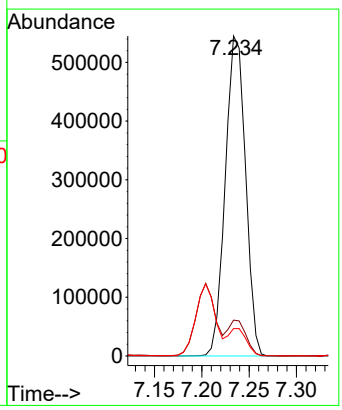


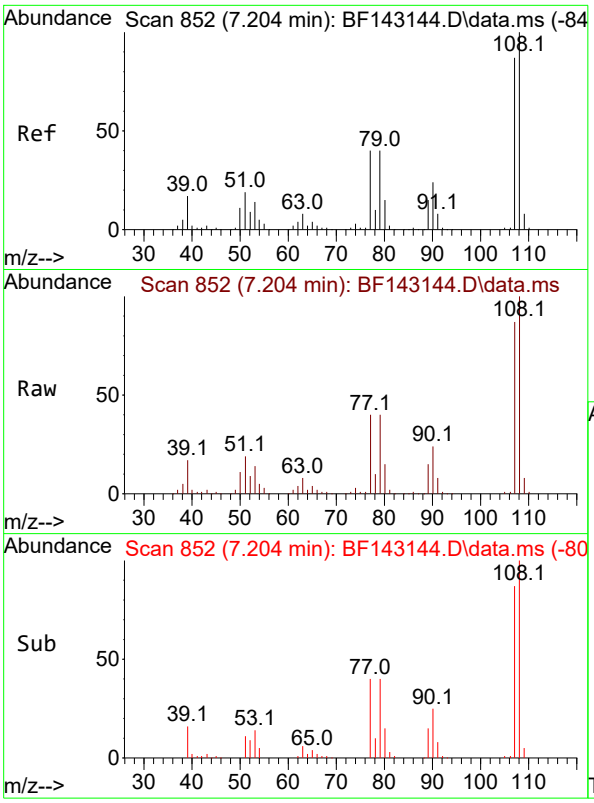


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.337 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

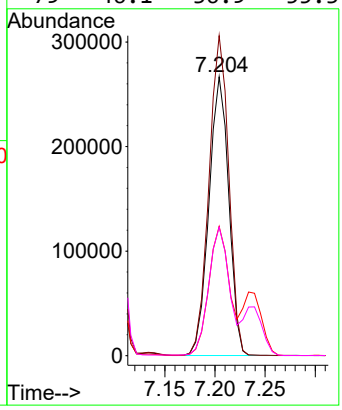




#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:107 Resp: 36649

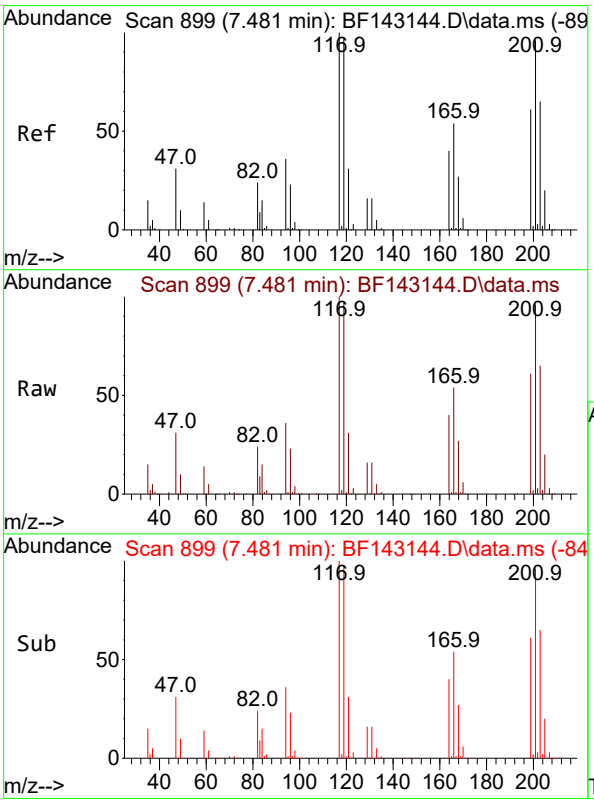
Ion	Ratio	Lower	Upper
107	100		
108	114.7	91.8	137.6
77	46.3	37.0	55.6
79	46.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

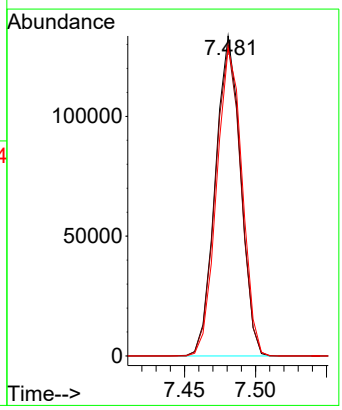
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

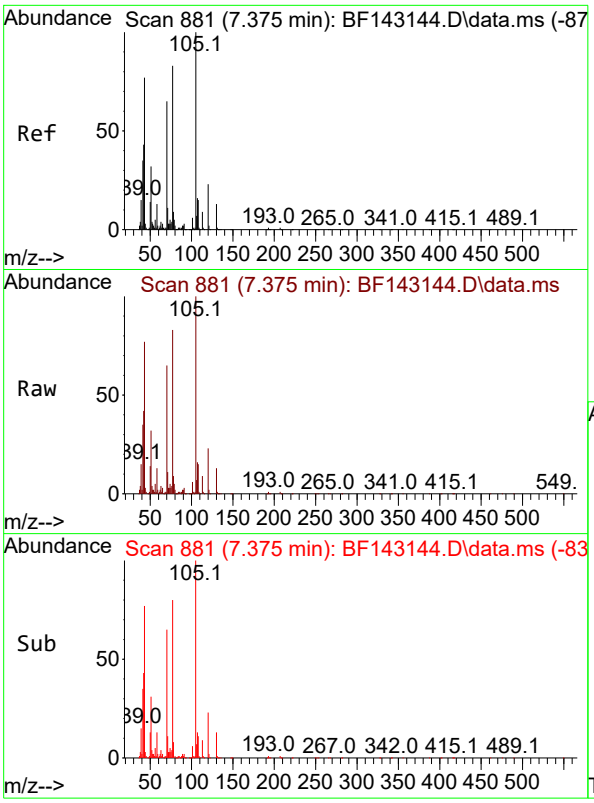


#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

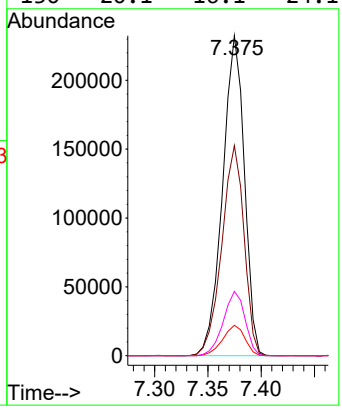




#19
n-Nitroso-di-n-propylamine
Concen: 38.656 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion: 70 Resp: 32961

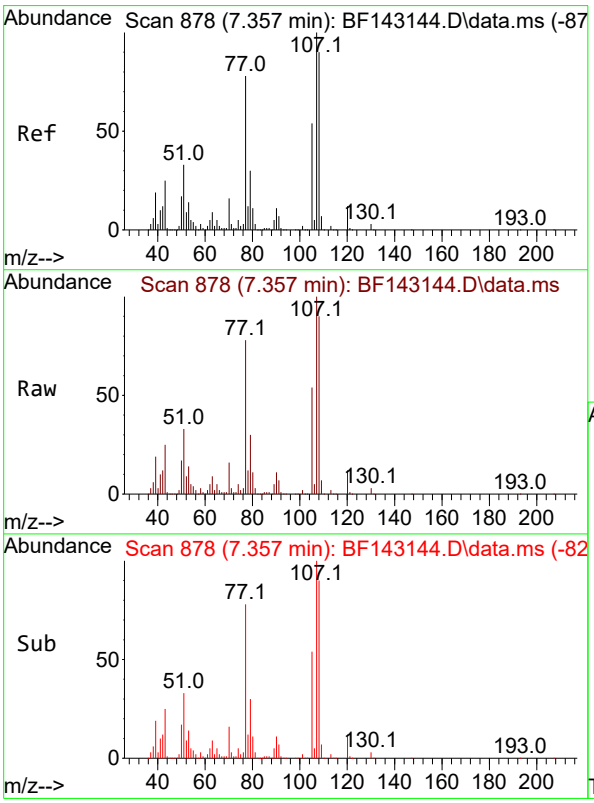
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.5	7.6	11.4
130	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

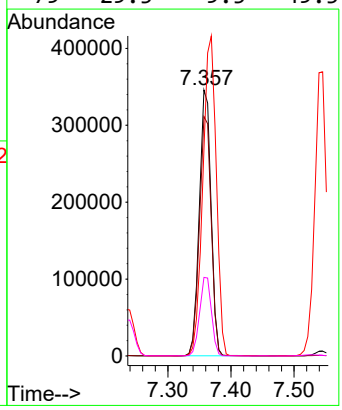
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

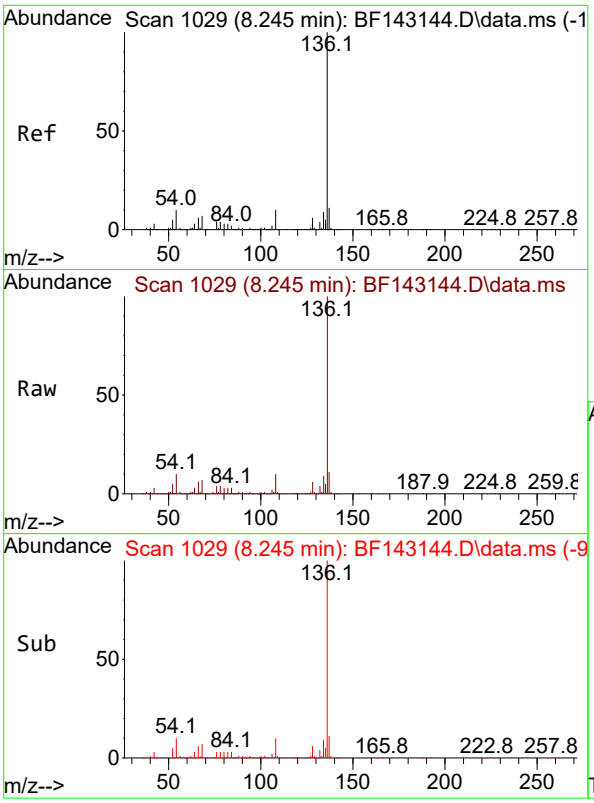


#20
3+4-Methylphenols
Concen: 39.685 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

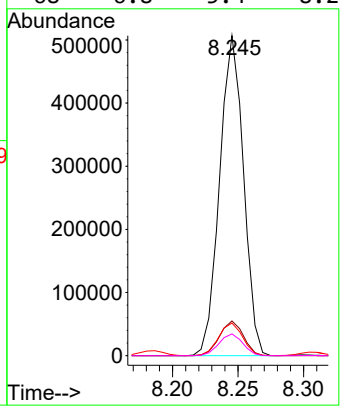




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:136 Resp: 64141

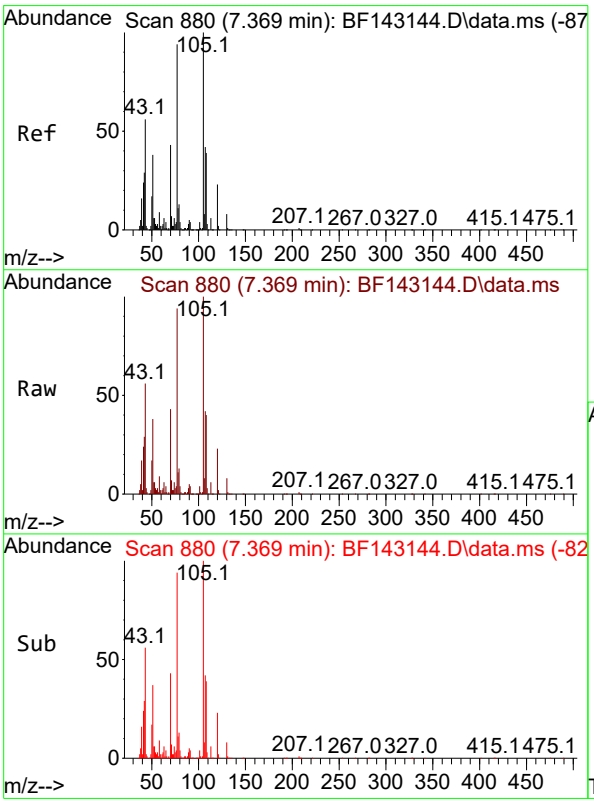
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.2	12.2
68	6.8	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

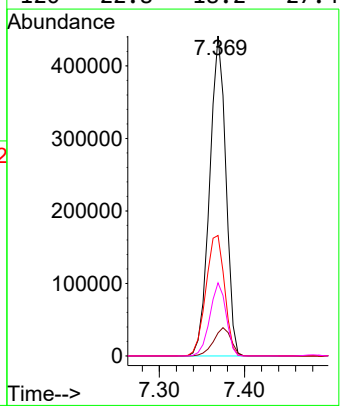
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

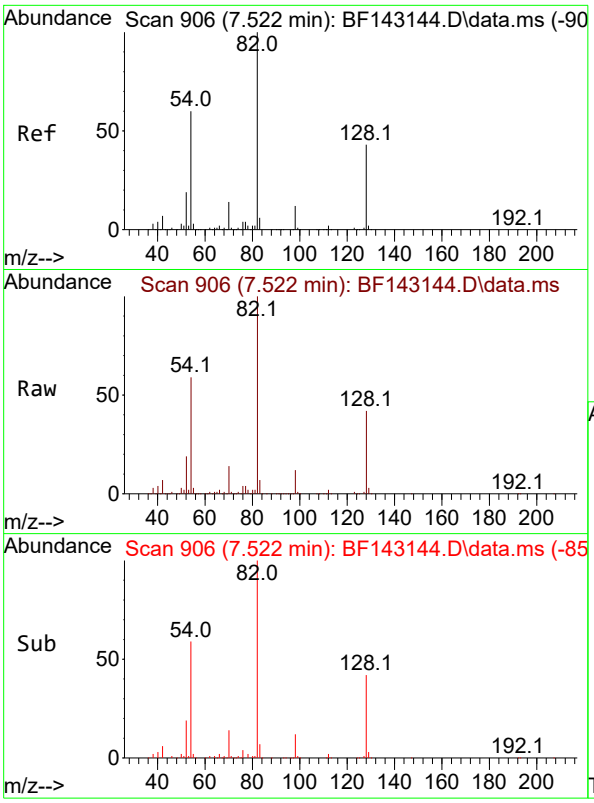


#22
Acetophenone
Concen: 38.444 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

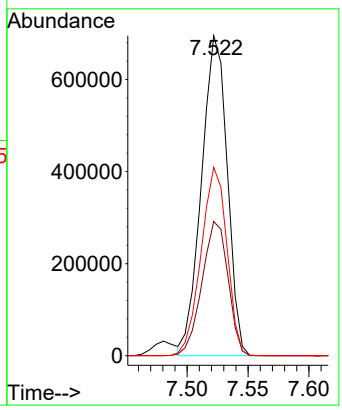
Tgt Ion: 82 Resp: 102313

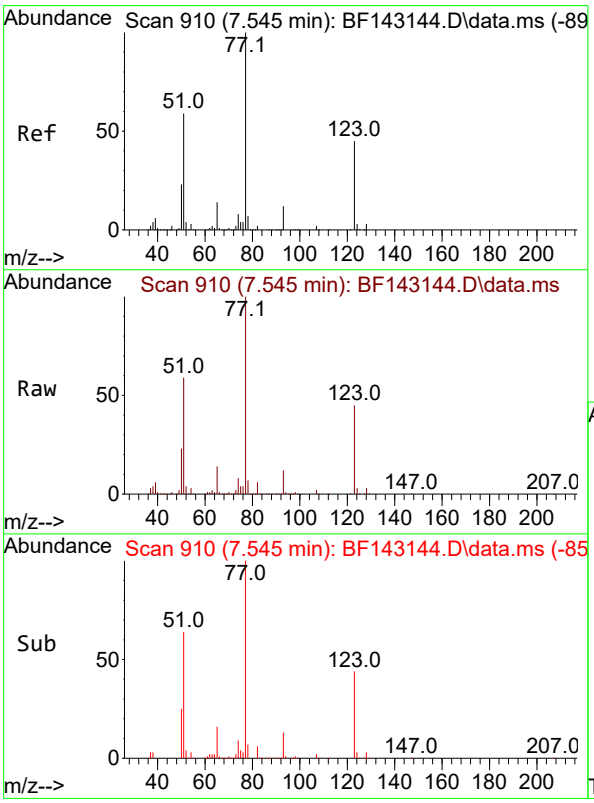
Ion	Ratio	Lower	Upper
82	100		
128	42.0	33.6	50.4
54	58.9	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

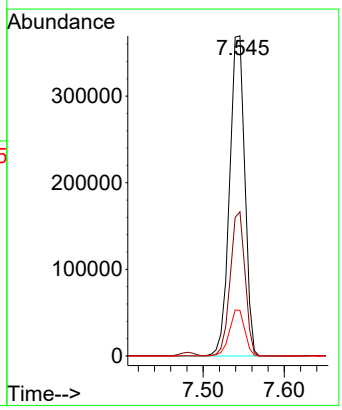


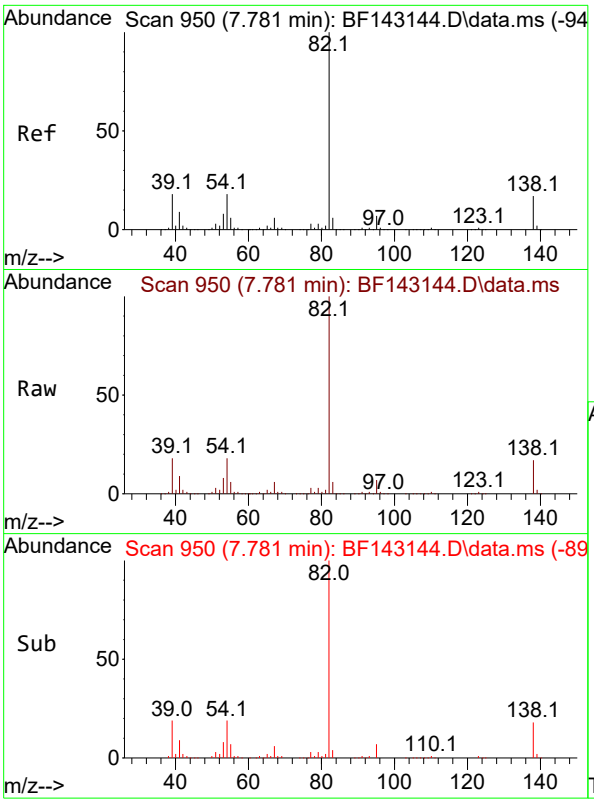


#24
Nitrobenzene
Concen: 40.136 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

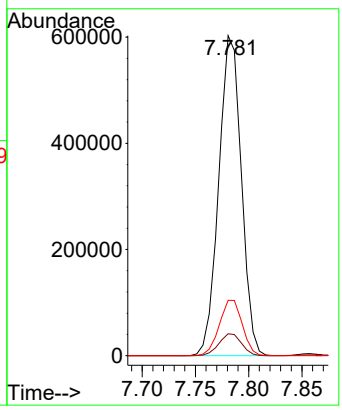
Tgt Ion: 82 Resp: 88801

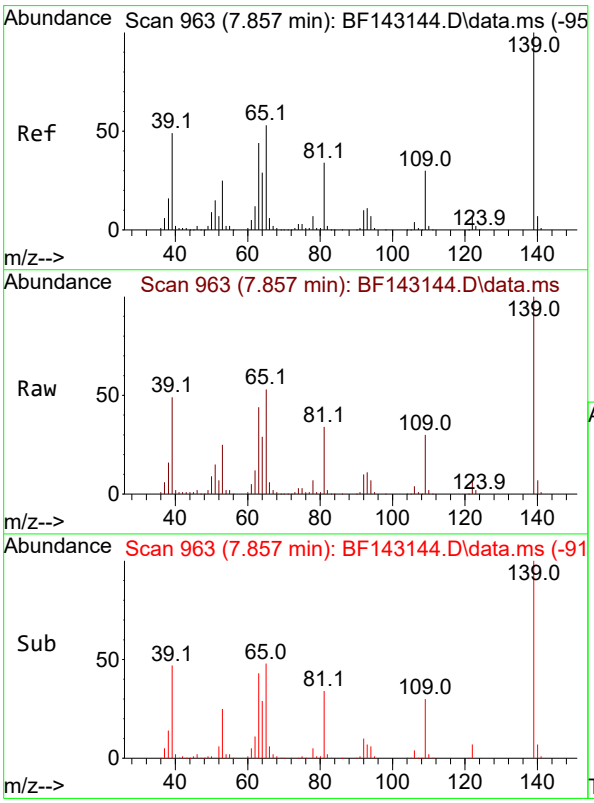
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	17.3	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

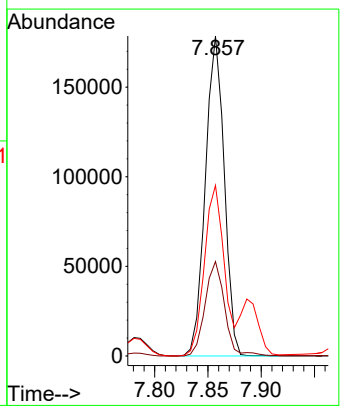


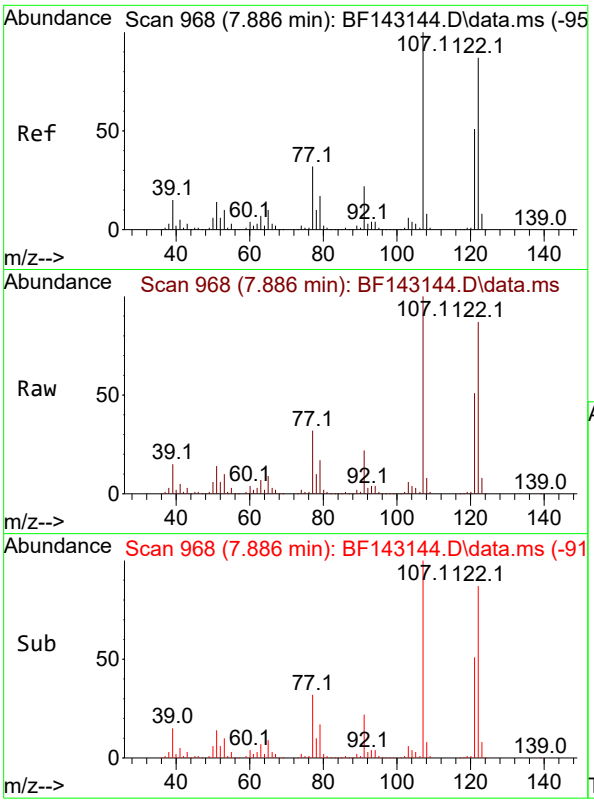


#26
2-Nitrophenol
Concen: 42.323 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

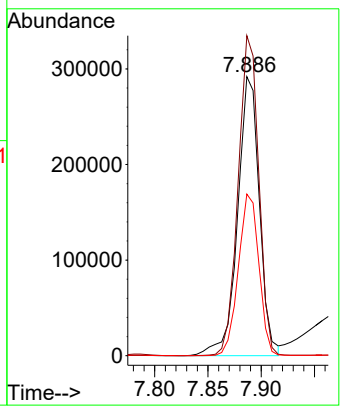
Tgt Ion:122 Resp: 41612

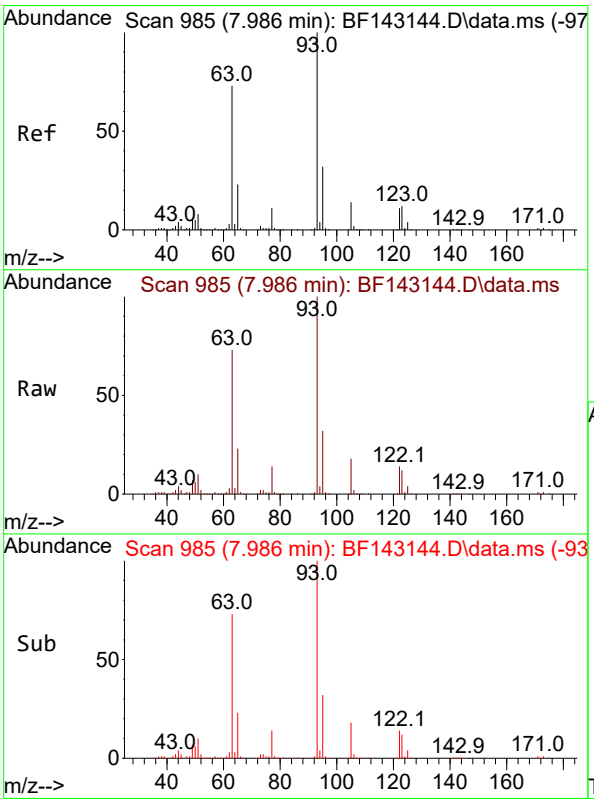
Ion	Ratio	Lower	Upper
122	100		
107	114.7	91.8	137.6
121	57.9	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

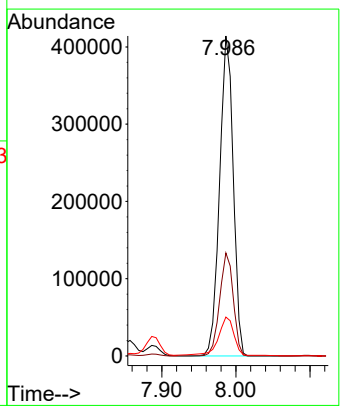


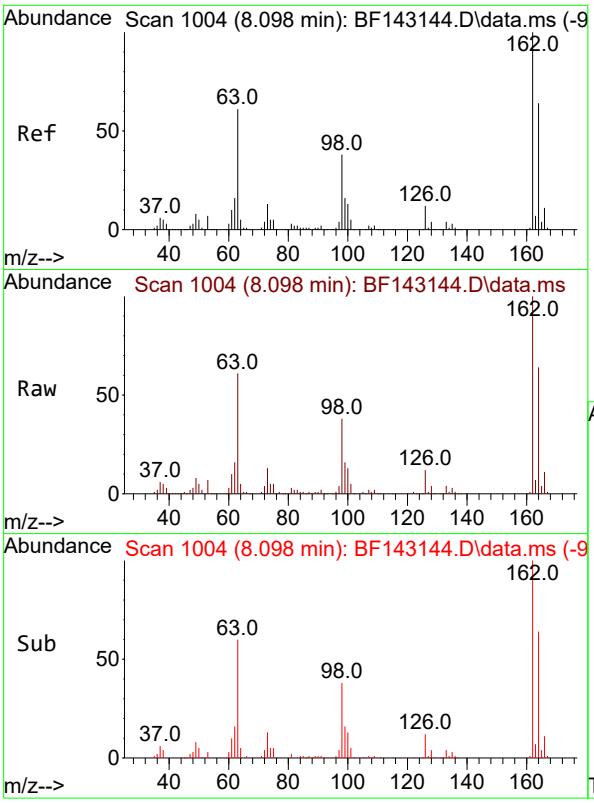


#28
bis(2-Chloroethoxy)methane
Concen: 38.860 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

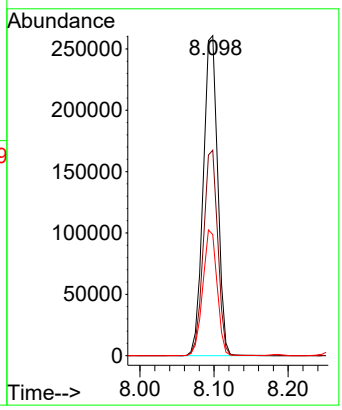
Tgt Ion:162 Resp: 35386(

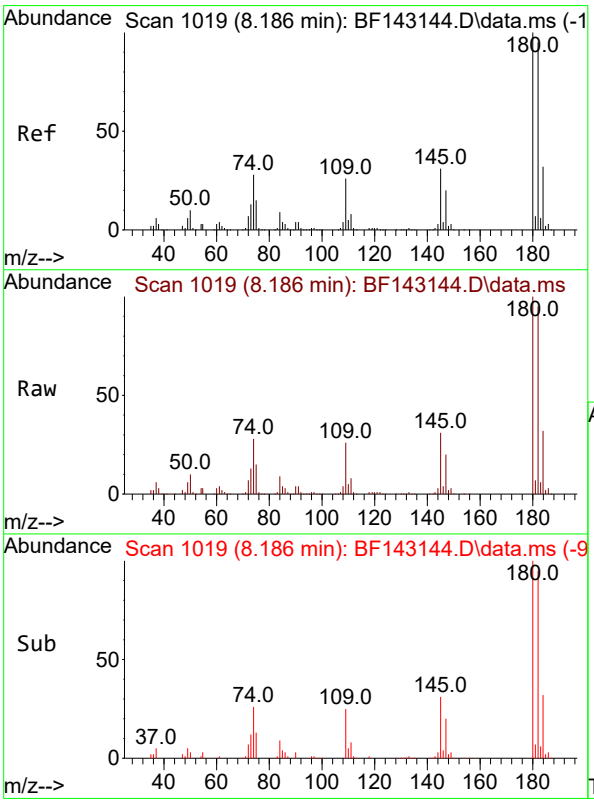
Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.2	84.2
98	37.9	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

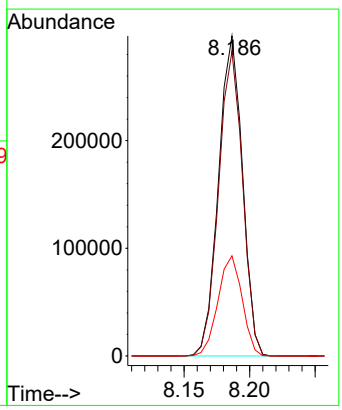


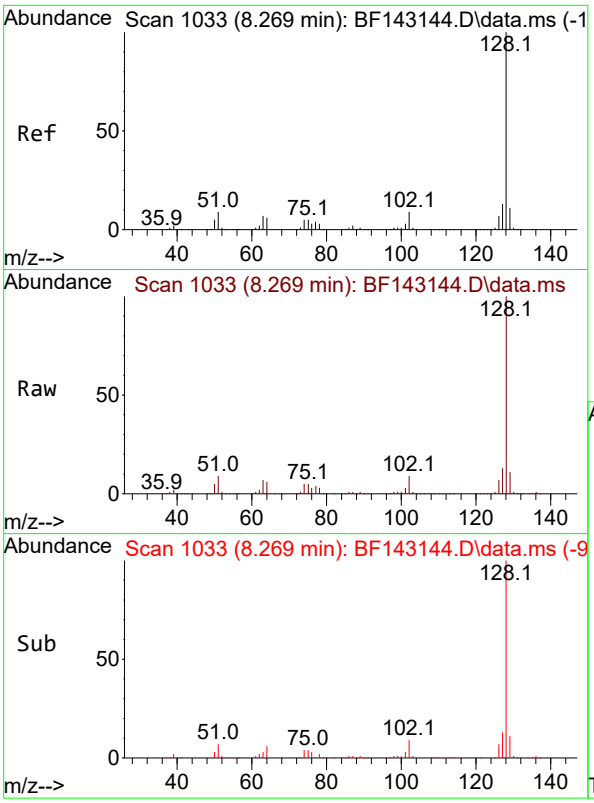


#30
1,2,4-Trichlorobenzene
Concen: 38.947 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

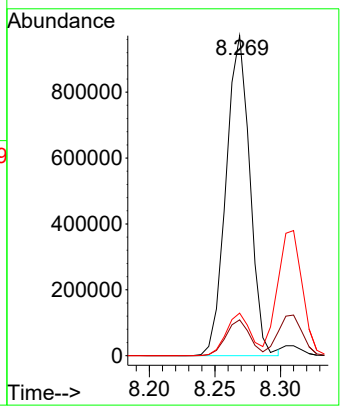
Tgt Ion:128 Resp: 122403

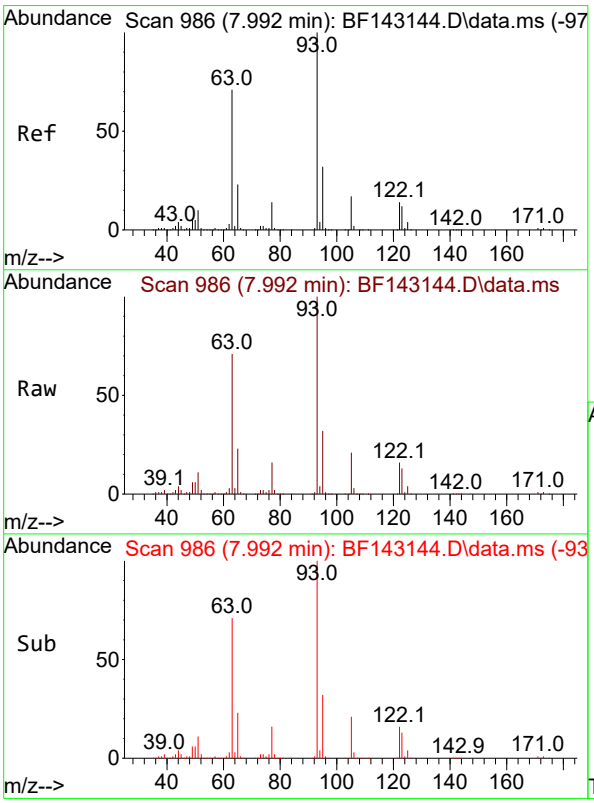
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.4
127	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

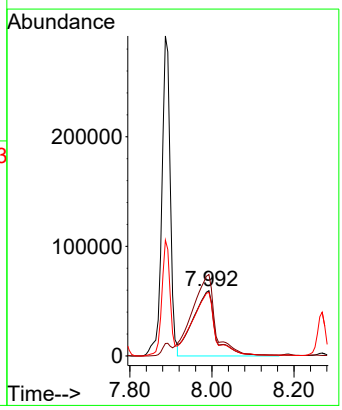


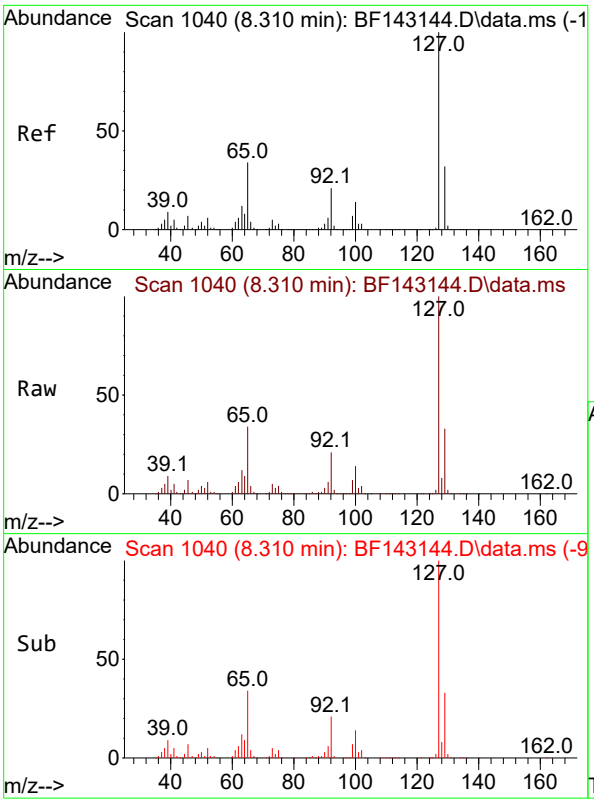


#32
Benzoic acid
Concen: 39.680 ng m
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

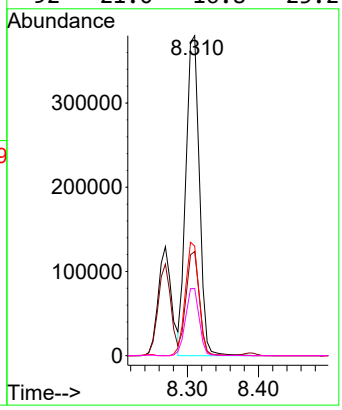
Tgt Ion:127 Resp: 50040

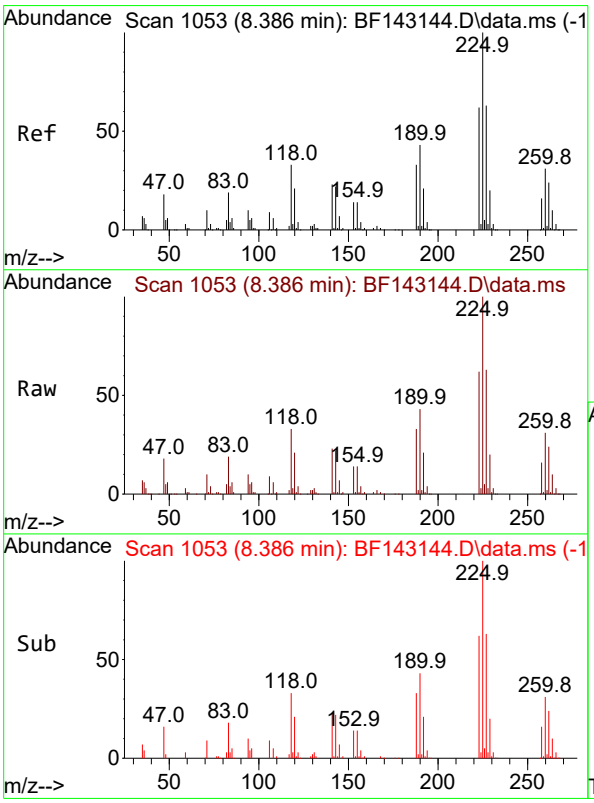
Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.0	39.0
65	34.3	27.4	41.2
92	21.0	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

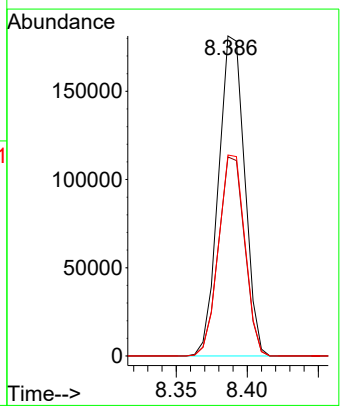


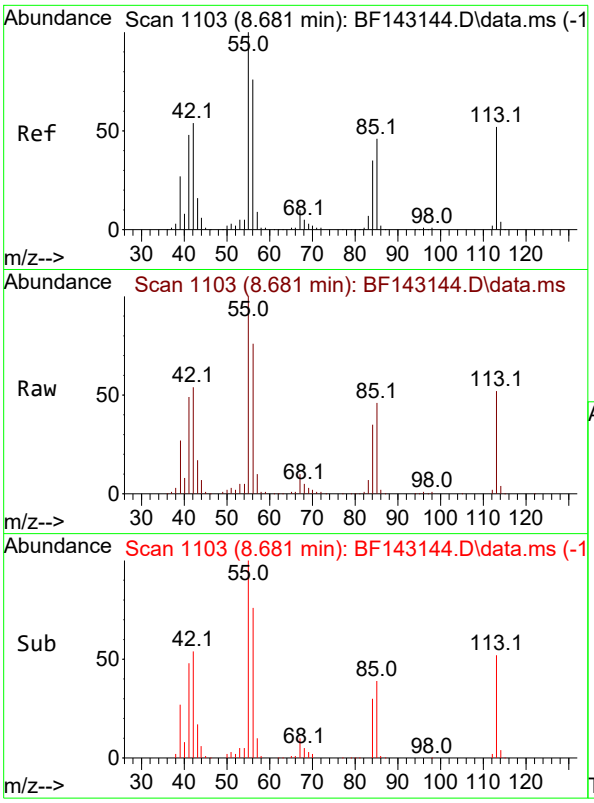


#34
Hexachlorobutadiene
Concen: 39.211 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

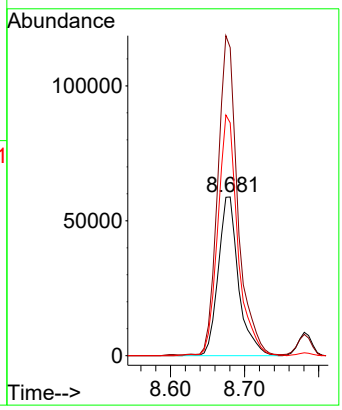
Tgt Ion:113 Resp: 11173

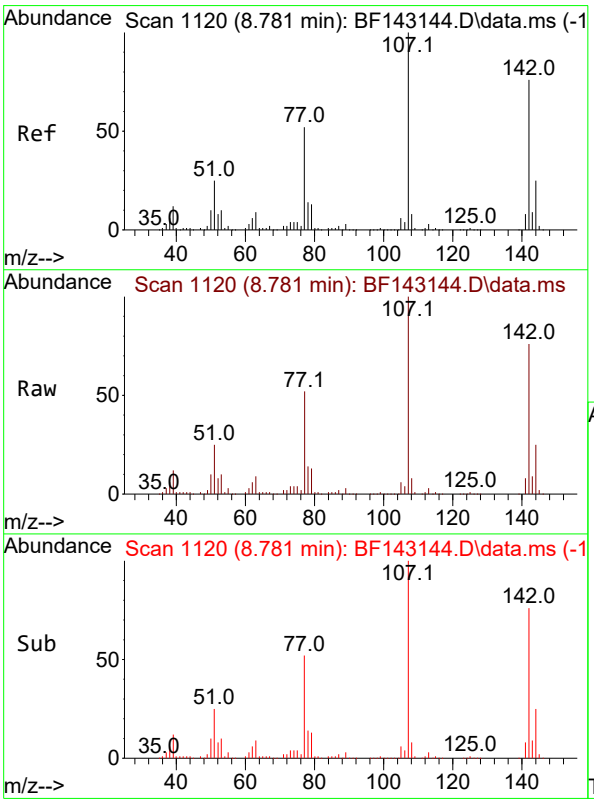
Ion	Ratio	Lower	Upper
113	100		
55	194.0	174.0	214.0
56	146.6	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

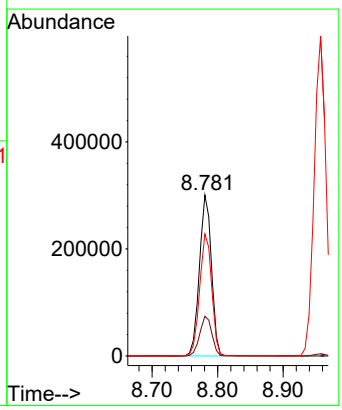


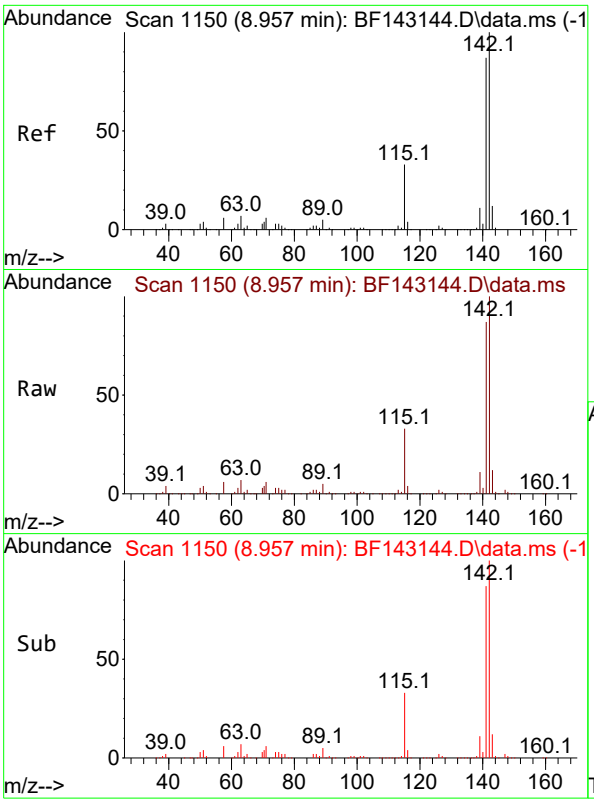


#36
4-Chloro-3-methylphenol
Concen: 39.628 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

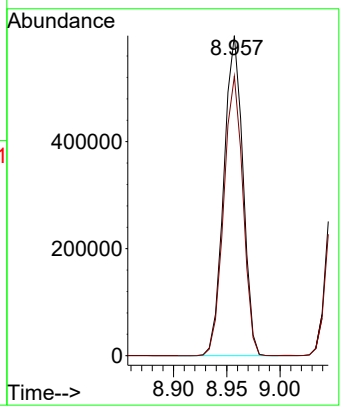
Tgt Ion:142 Resp: 74429

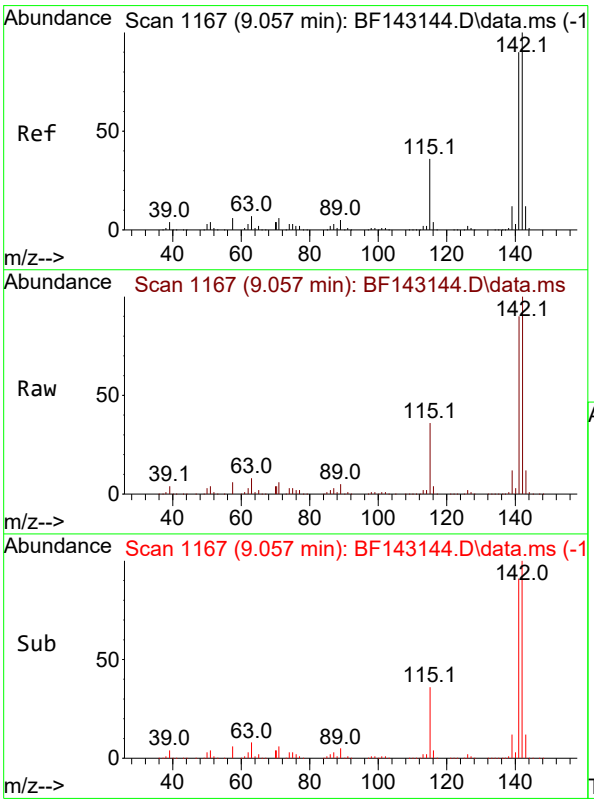
Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

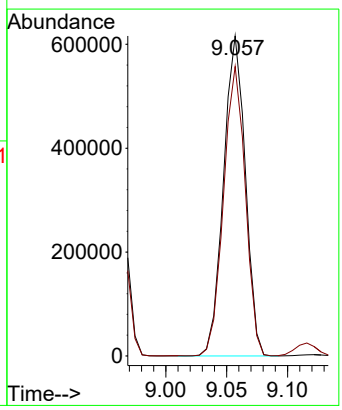


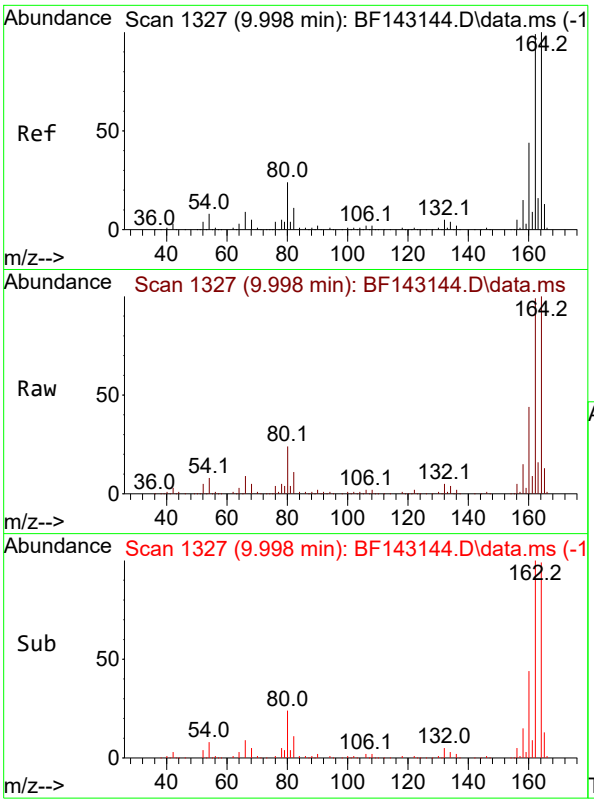


#38
1-Methylnaphthalene
Concen: 38.825 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

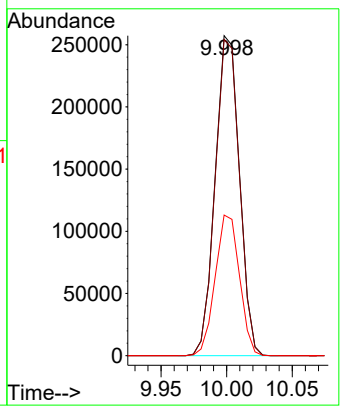
Tgt Ion:164 Resp: 33188

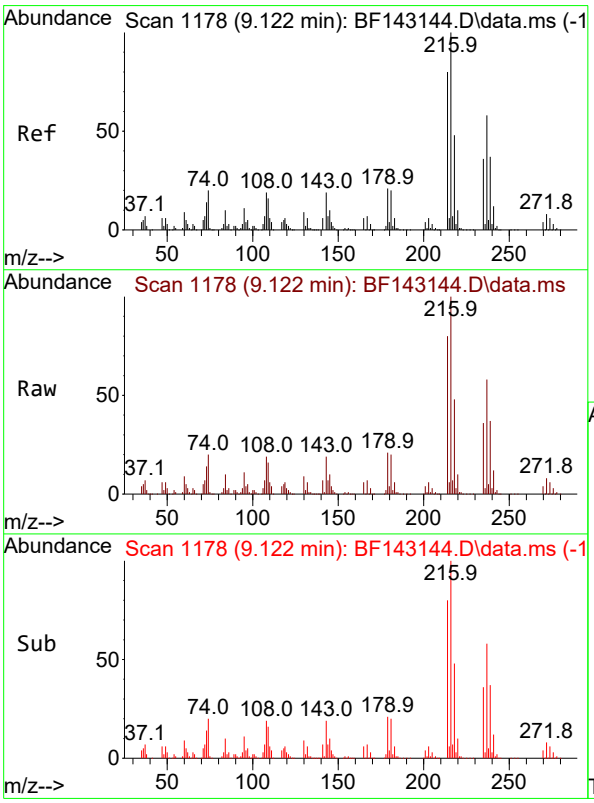
Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	43.9	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

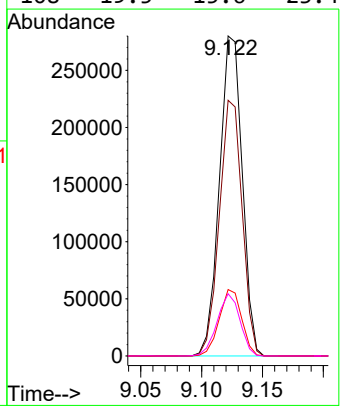


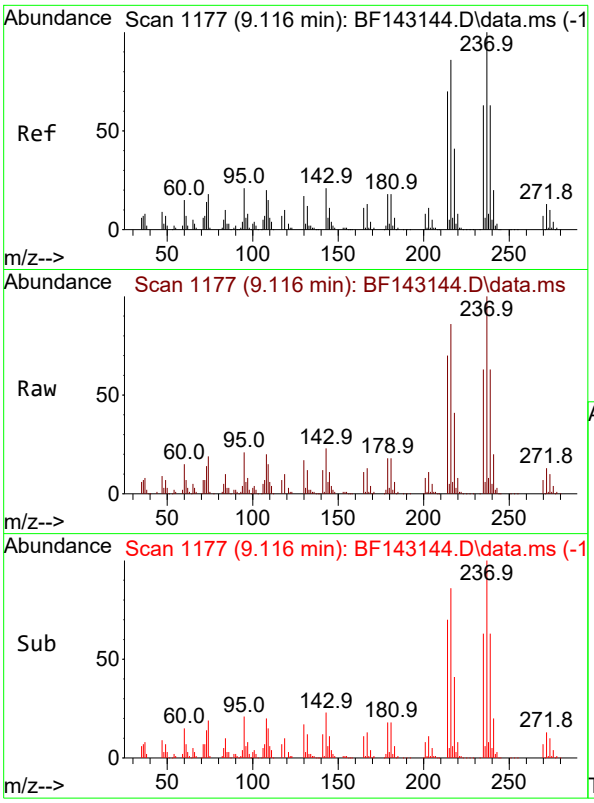


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.118 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

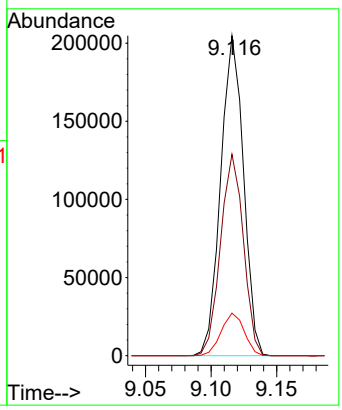
Tgt Ion:237 Resp: 24748

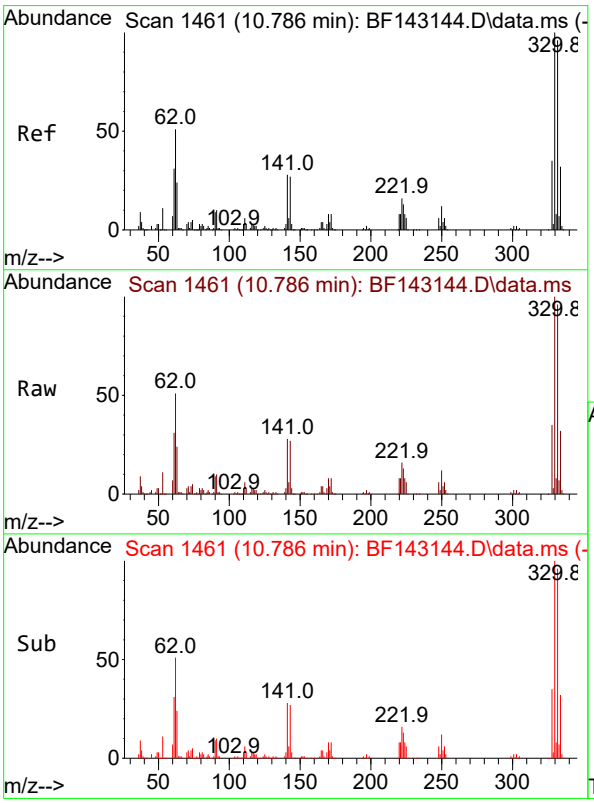
Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.0	83.0
272	13.3	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

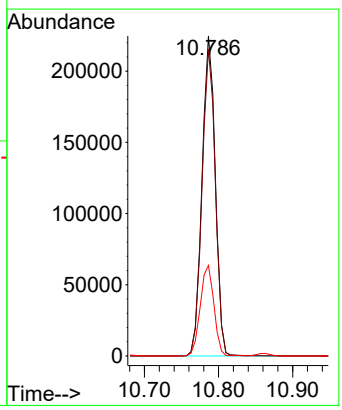


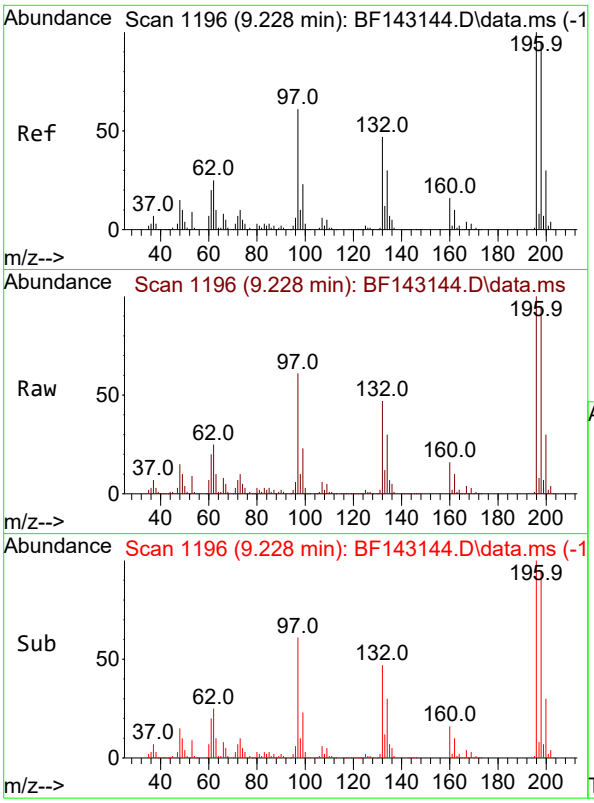


#42
2,4,6-Tribromophenol
Concen: 81.485 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

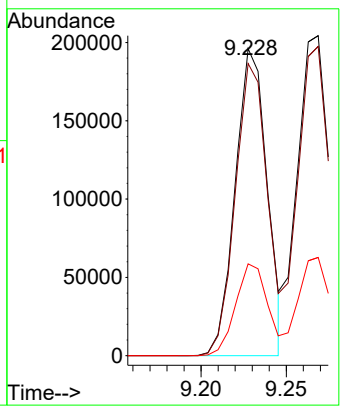
Tgt Ion:196 Resp: 25511

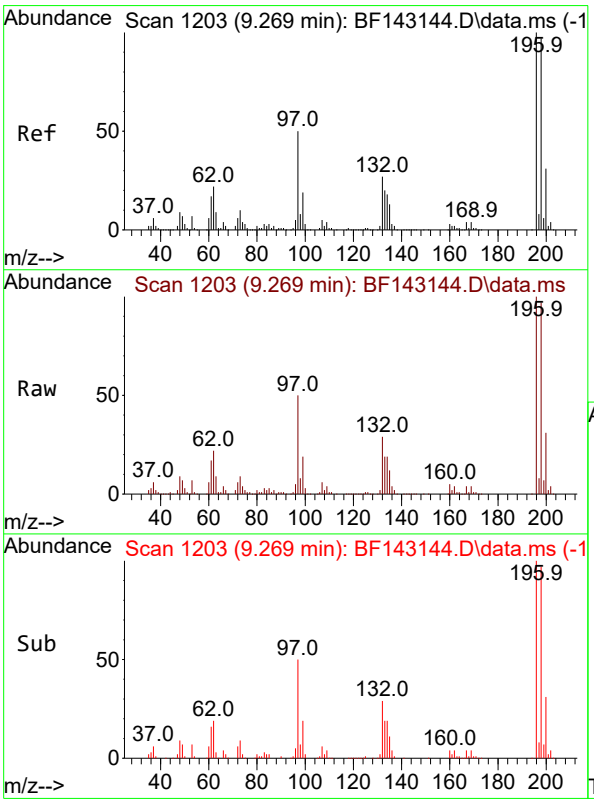
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	29.9	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

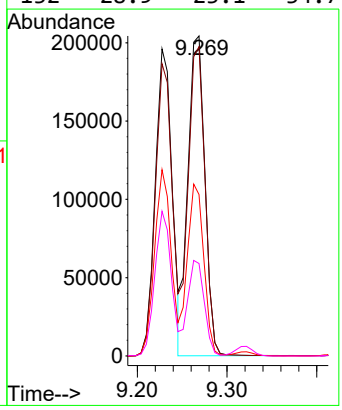


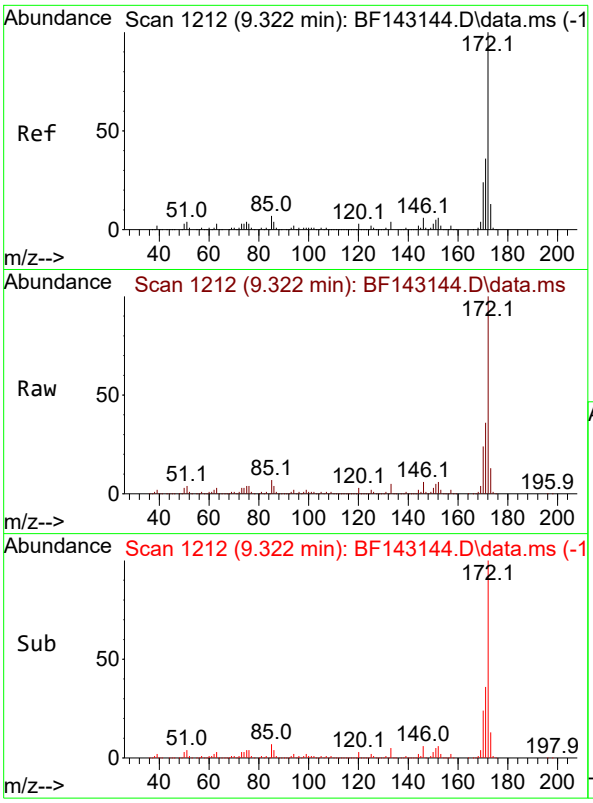


#44
2,4,5-Trichlorophenol
Concen: 40.494 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

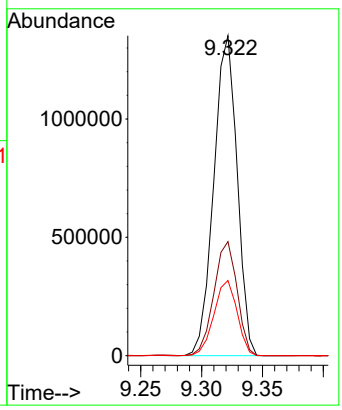
Tgt Ion:172 Resp: 180239

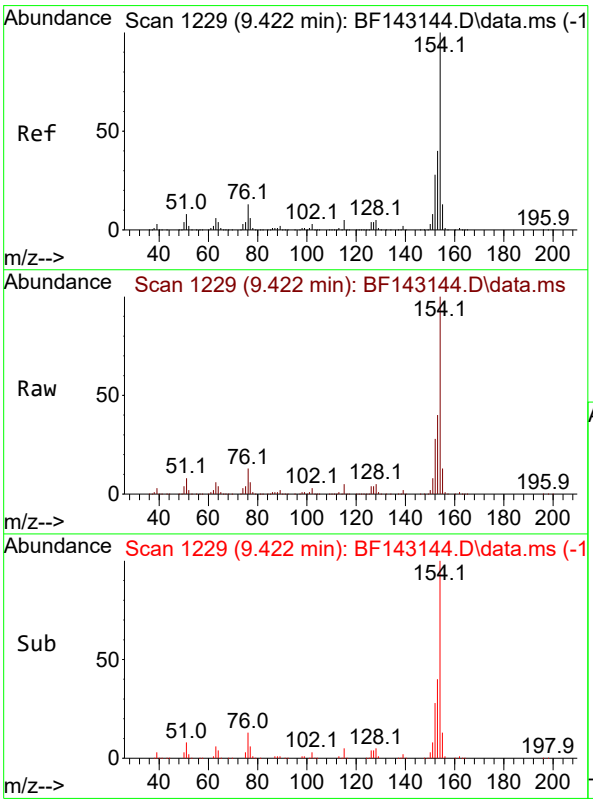
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.5	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

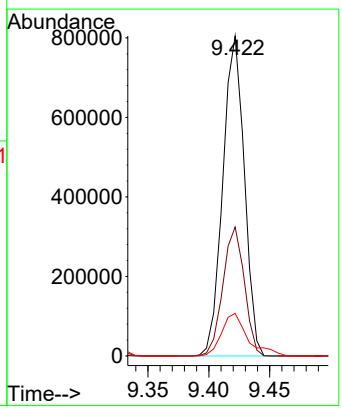


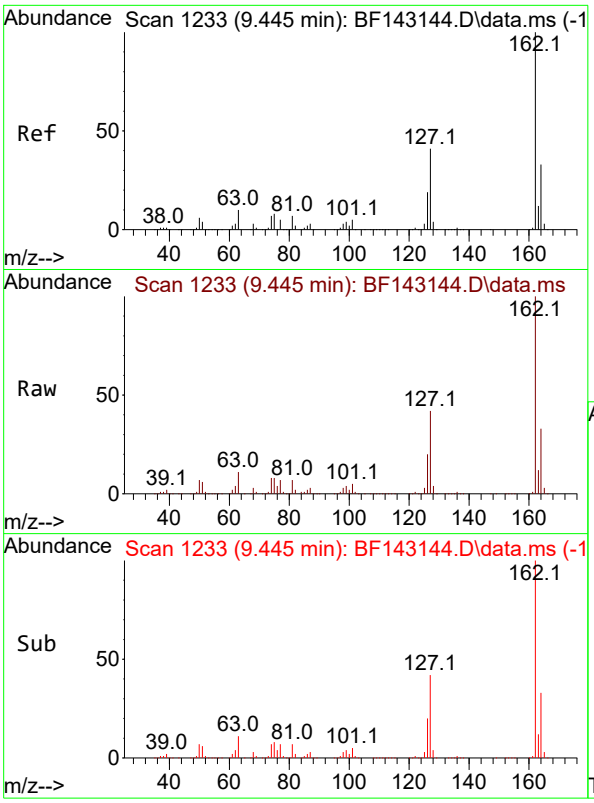


#46
1,1'-Biphenyl
Concen: 38.177 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

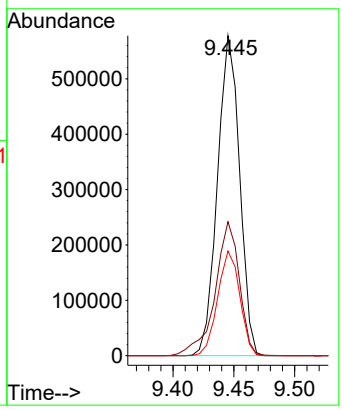
Tgt Ion:162 Resp: 731879

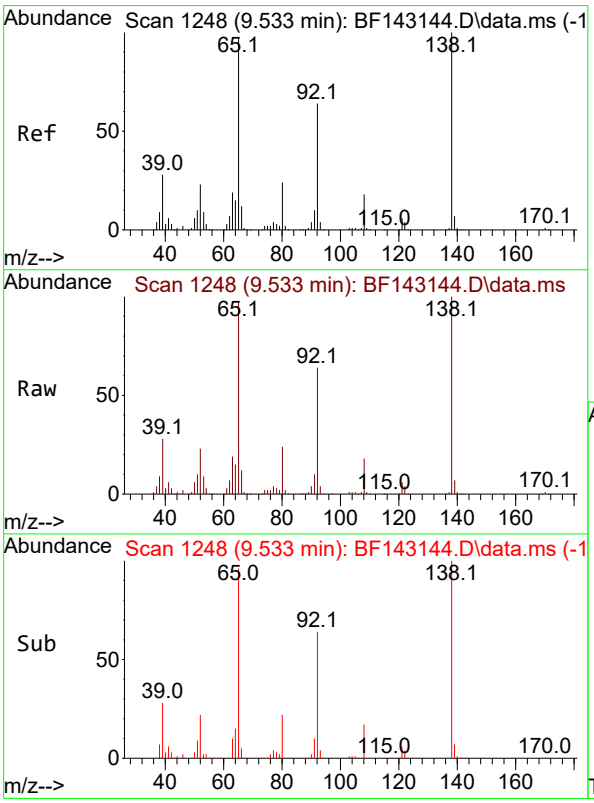
Ion	Ratio	Lower	Upper
162	100		
127	41.8	33.4	50.2
164	32.7	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

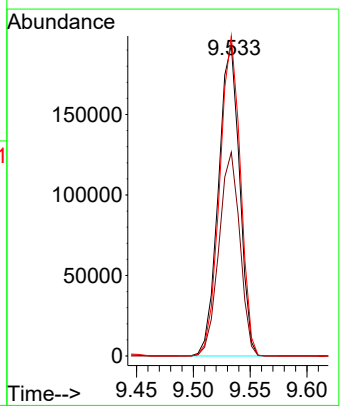


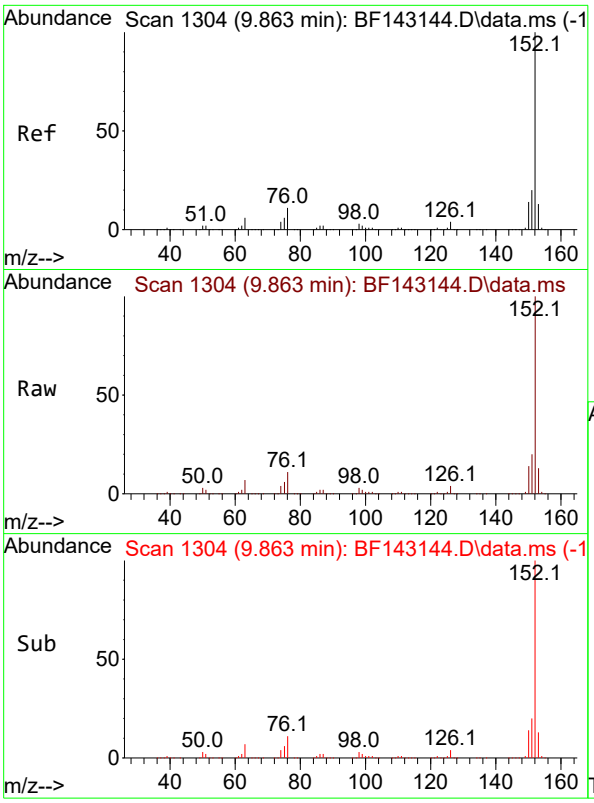


#48
2-Nitroaniline
Concen: 41.594 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

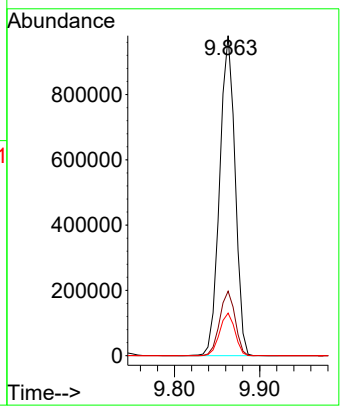
Tgt Ion:152 Resp: 1234789

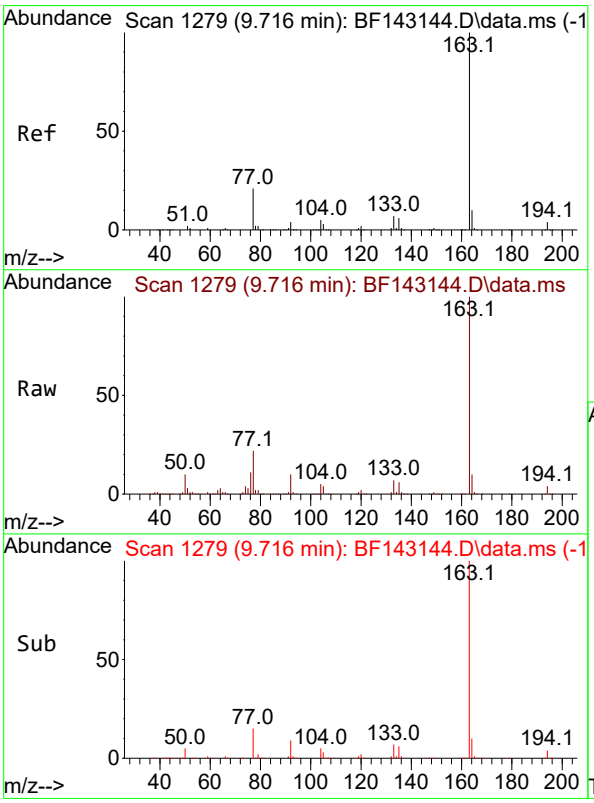
Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2
153	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

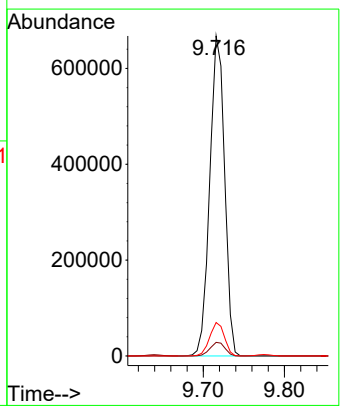


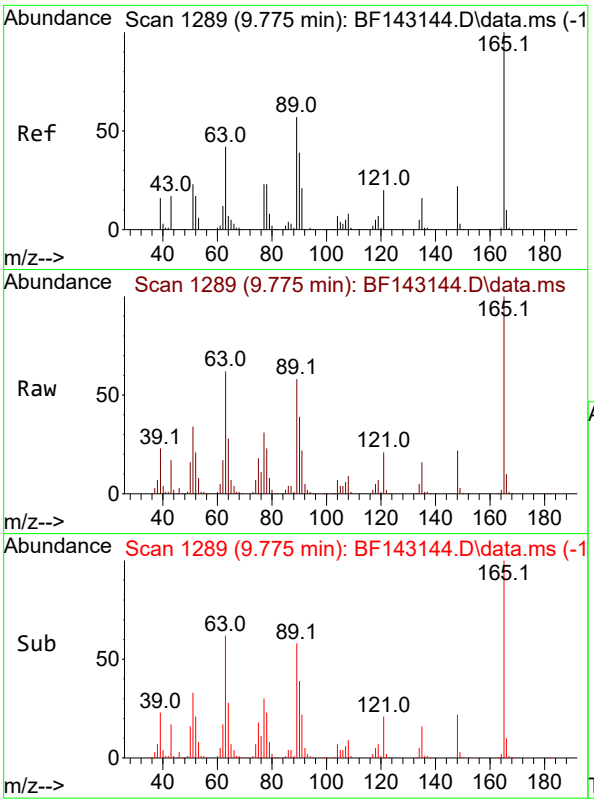


#50
Dimethylphthalate
Concen: 39.238 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

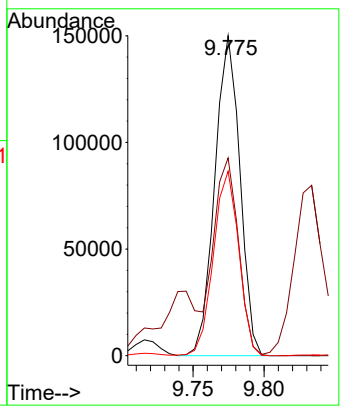
Tgt Ion:165 Resp: 18424

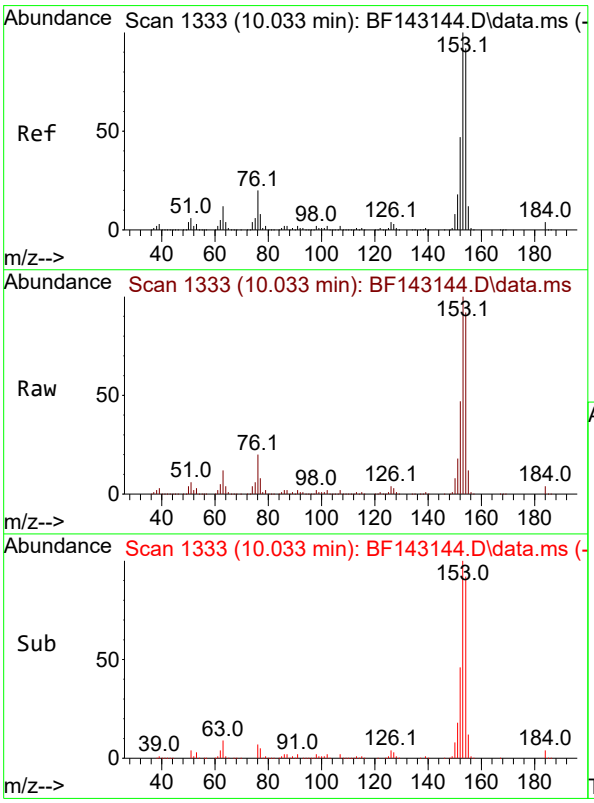
Ion	Ratio	Lower	Upper
165	100		
63	61.8	49.4	74.2
89	57.7	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

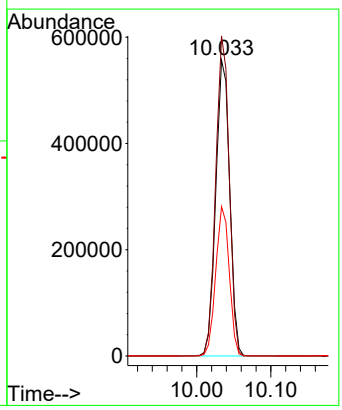


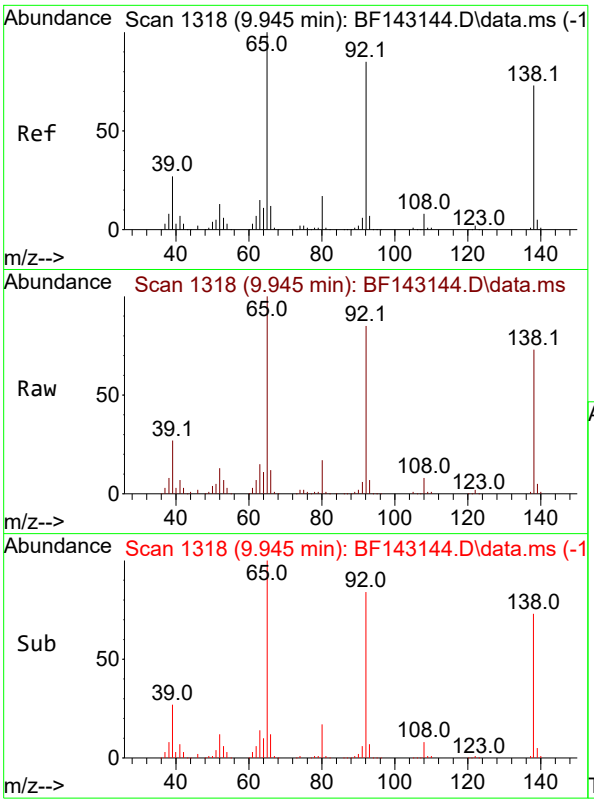


#52
Acenaphthene
Concen: 38.330 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

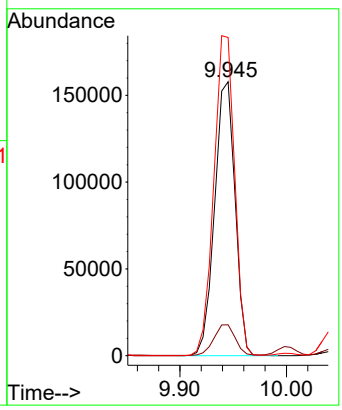
Tgt Ion:138 Resp: 21017

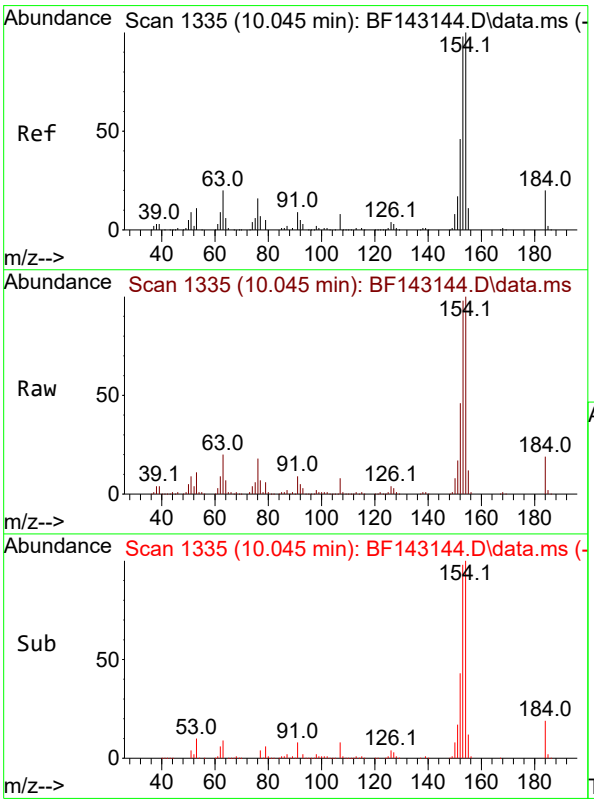
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.6
92	116.2	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

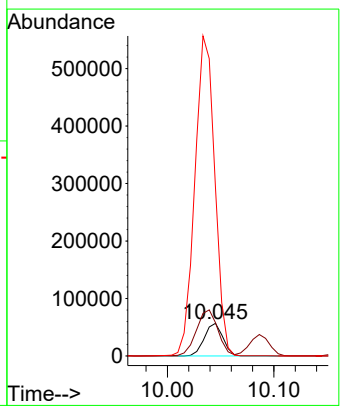


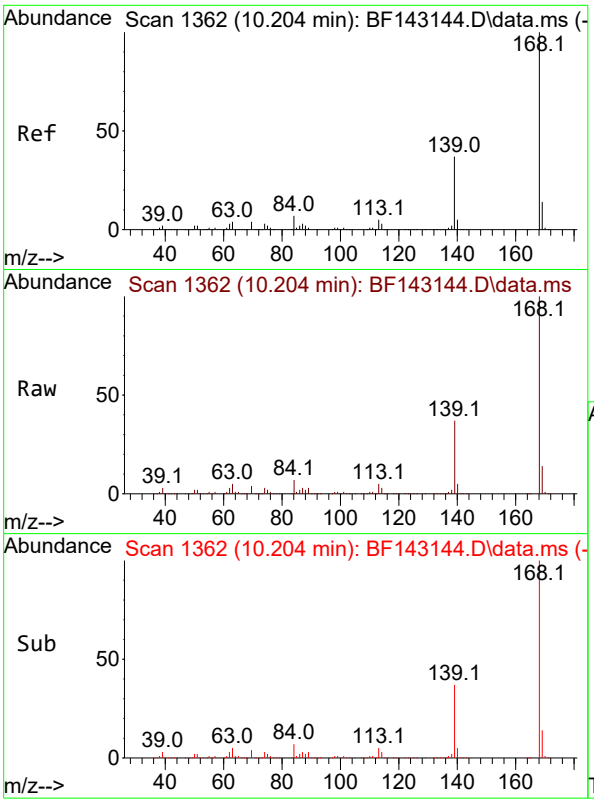


#54
2,4-Dinitrophenol
Concen: 38.449 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

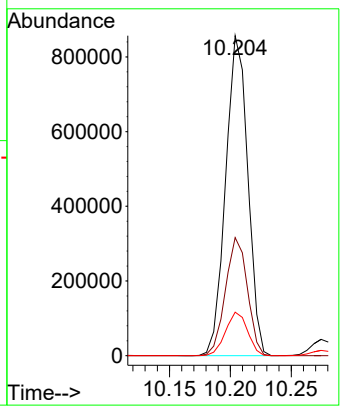
Tgt Ion:168 Resp: 108367

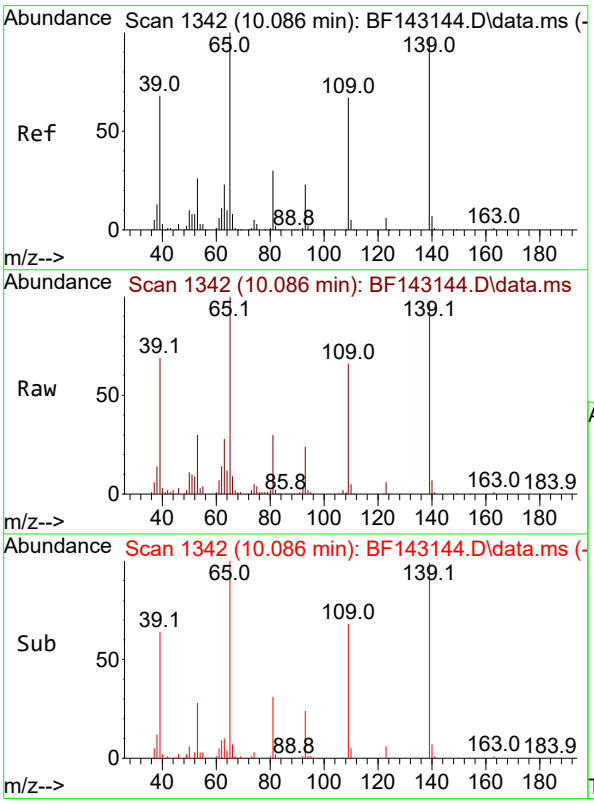
Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.6	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

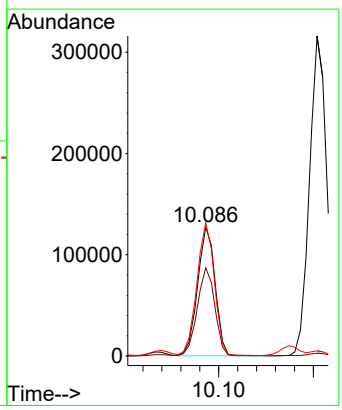


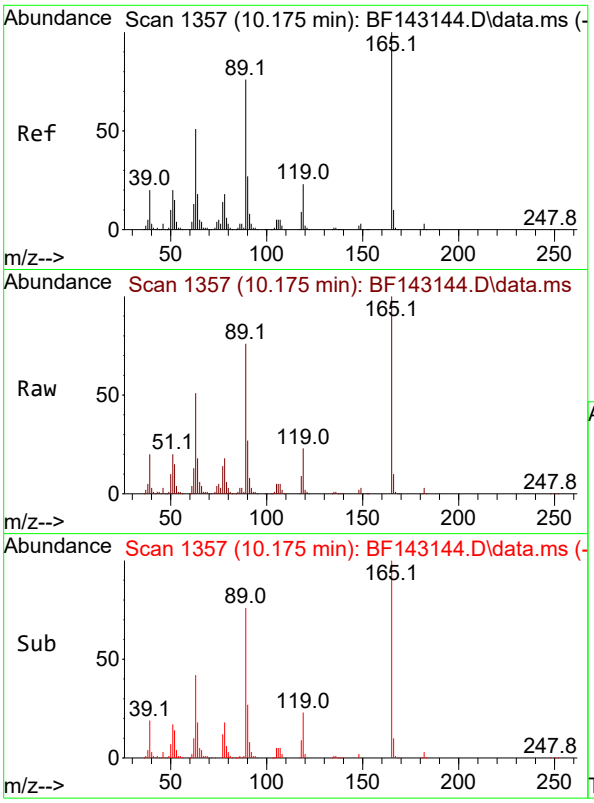


#56
4-Nitrophenol
Concen: 42.408 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

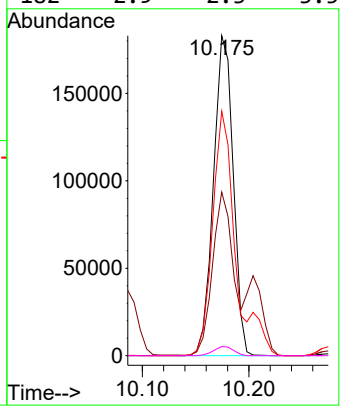
Tgt Ion:165 Resp: 23510

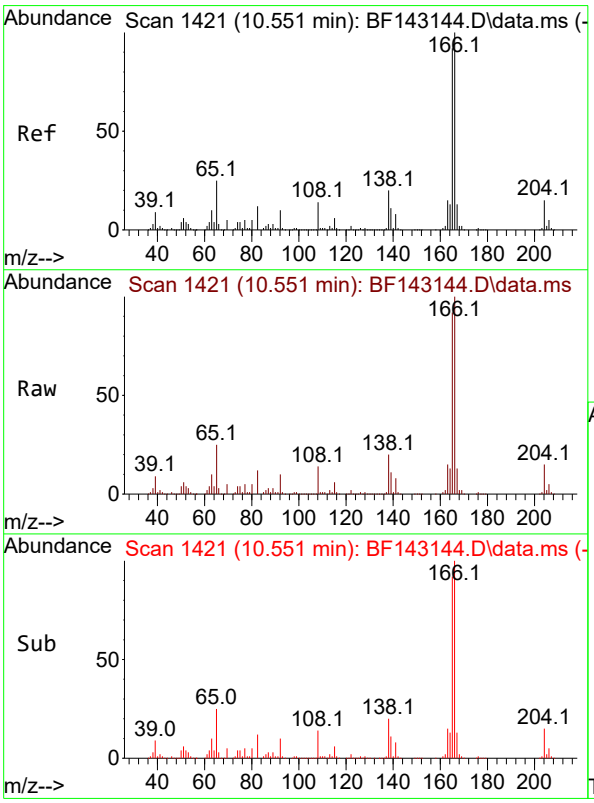
Ion	Ratio	Lower	Upper
165	100		
63	51.2	41.0	61.4
89	76.4	61.1	91.7
182	2.9	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

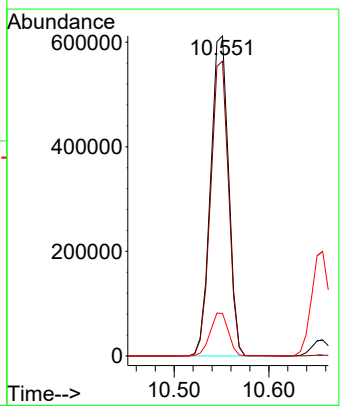


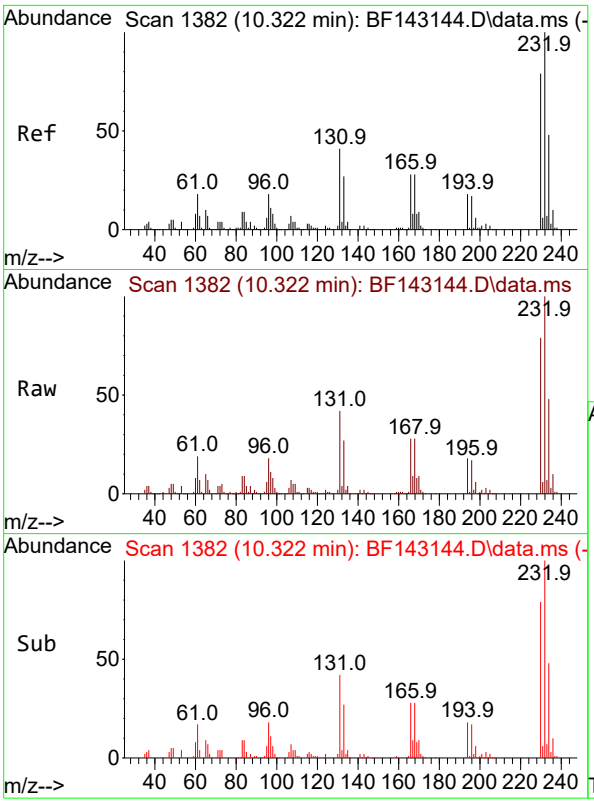


#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

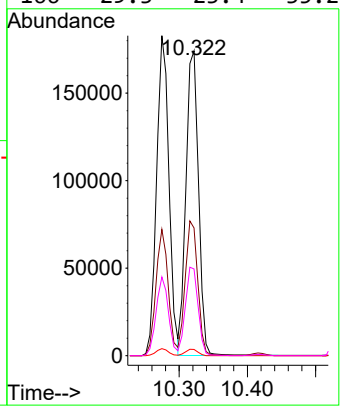
Tgt Ion:232 Resp: 22087

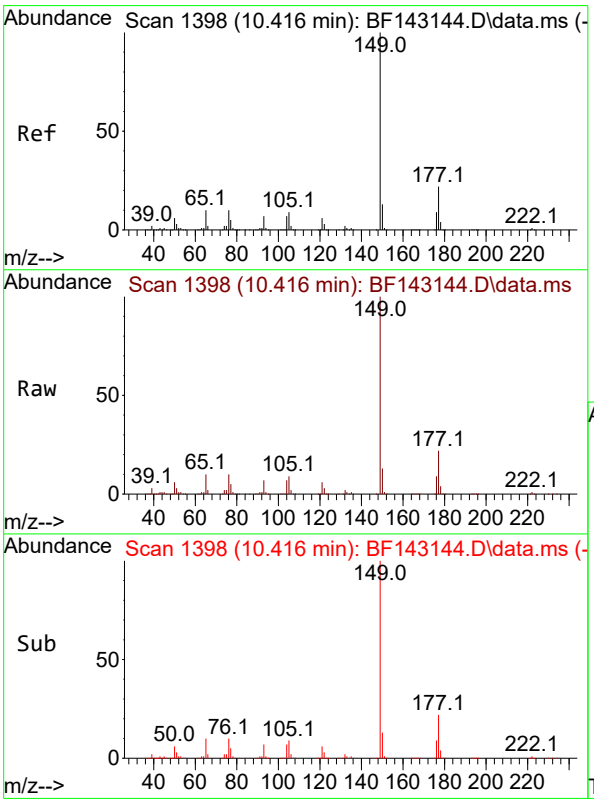
Ion	Ratio	Lower	Upper
232	100		
131	44.1	35.3	52.9
130	2.1	1.7	2.5
166	29.3	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

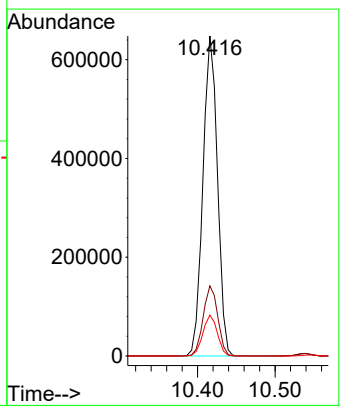


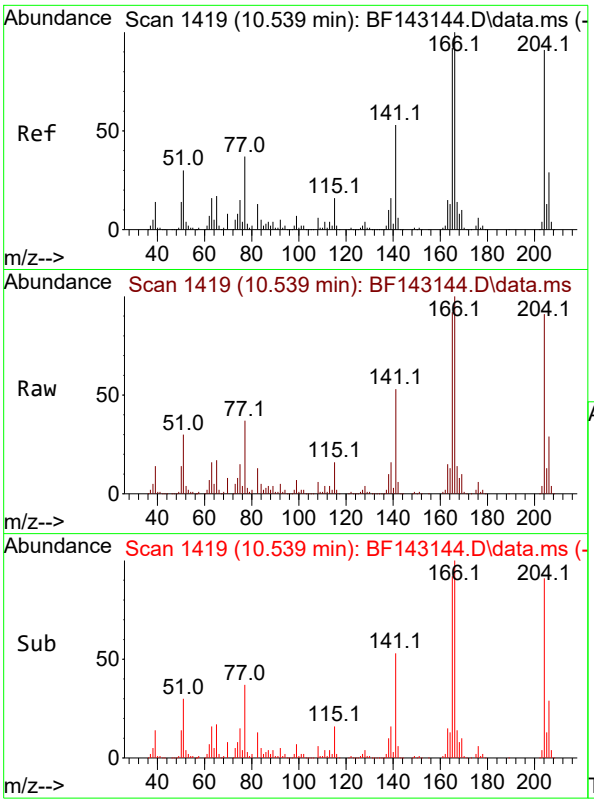


#60
Diethylphthalate
Concen: 39.387 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

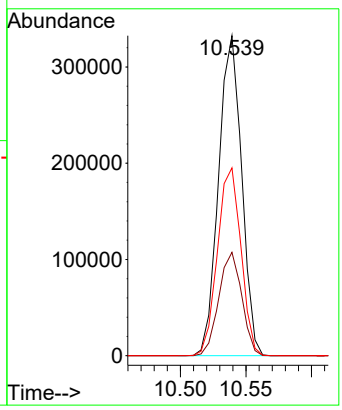
Tgt Ion:204 Resp: 40647

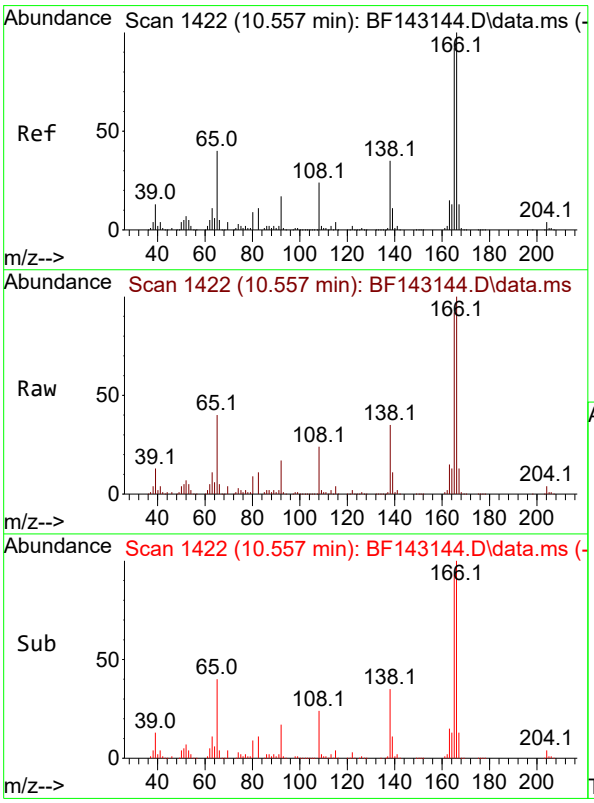
Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.8	38.8
141	58.7	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

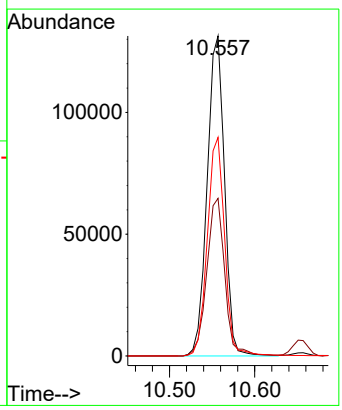


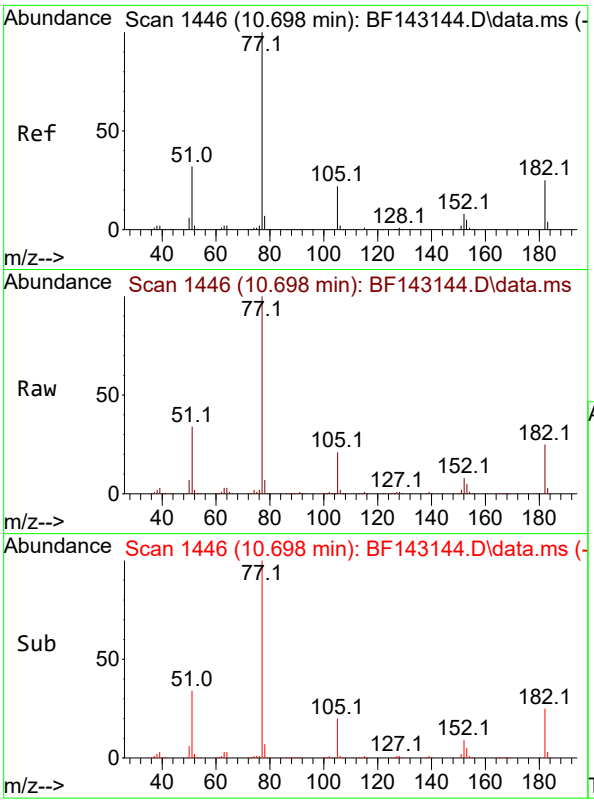


#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

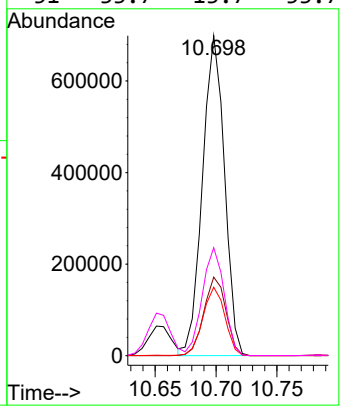
Tgt Ion: 77 Resp: 87638

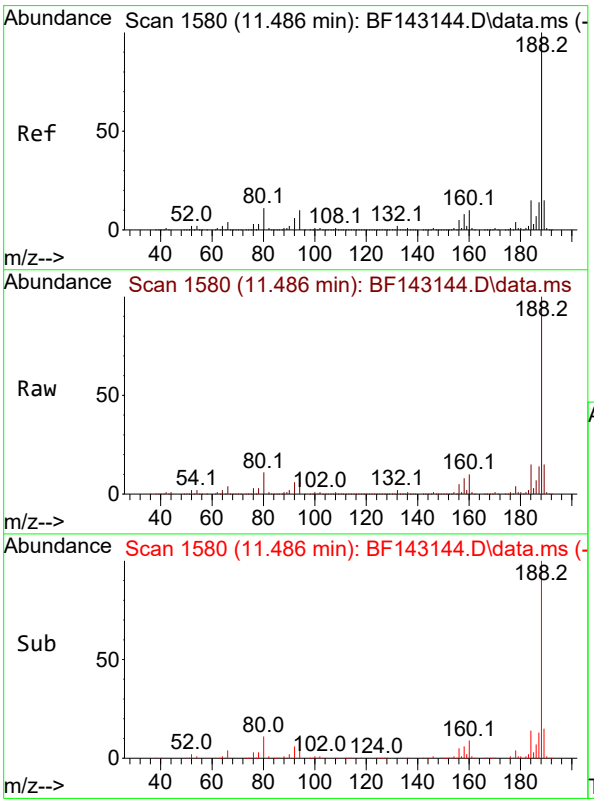
Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.4	1.4	41.4
51	33.7	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

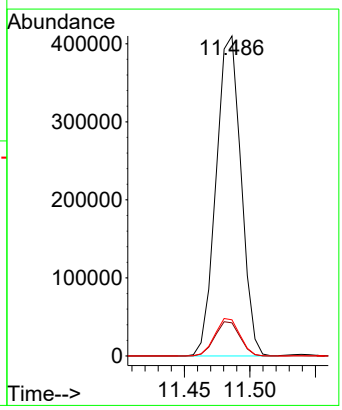


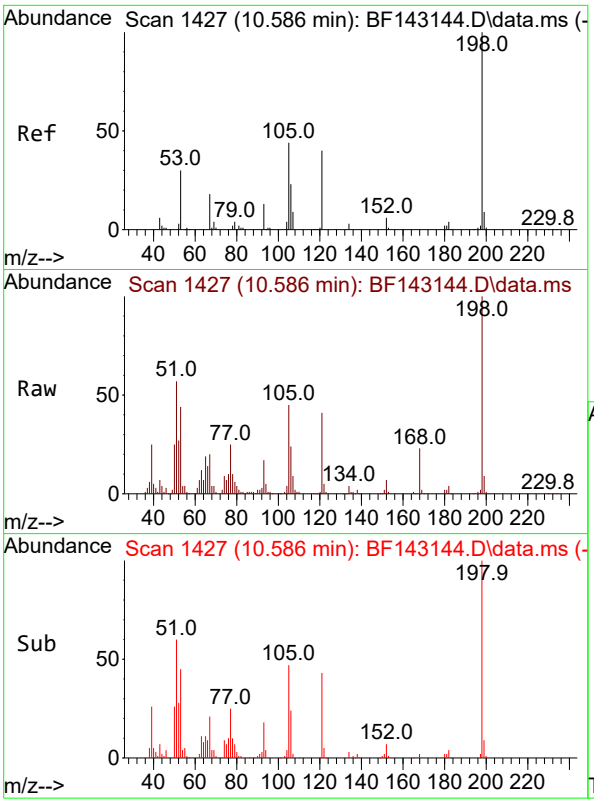


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

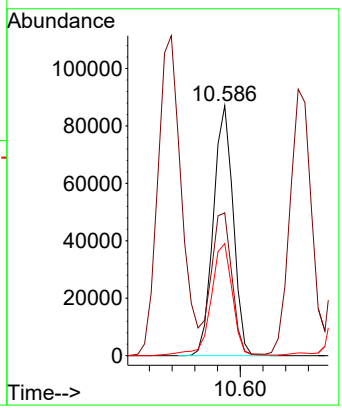
Tgt Ion:198 Resp: 10553

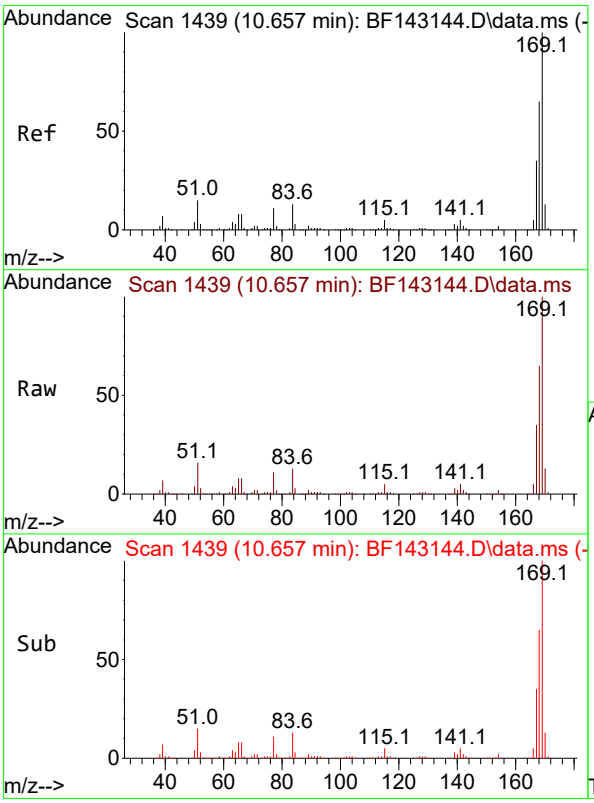
Ion	Ratio	Lower	Upper
198	100		
51	57.2	37.2	77.2
105	44.8	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

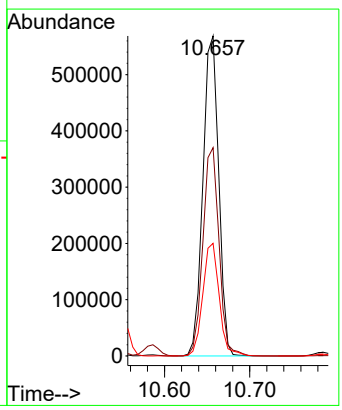


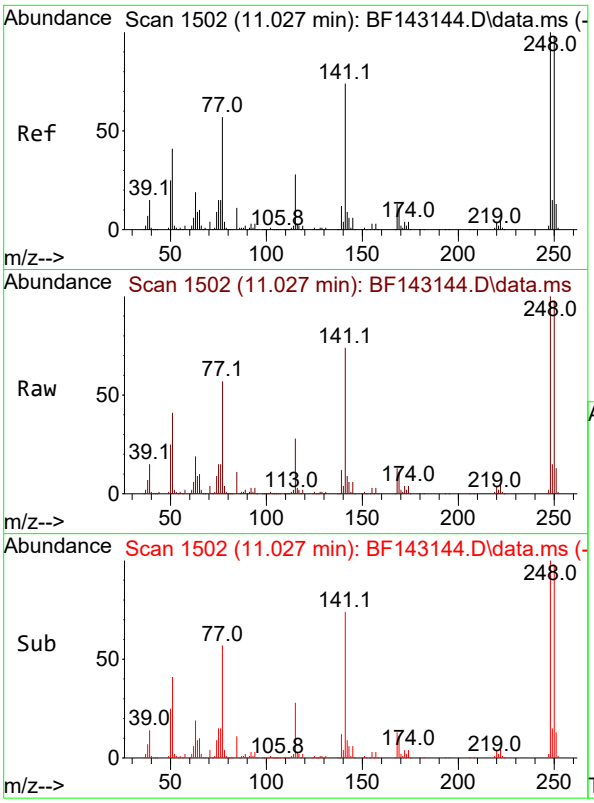


#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

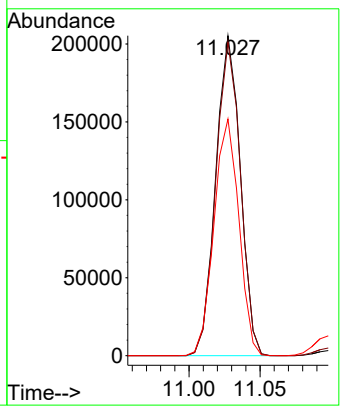
Tgt Ion:248 Resp: 24776

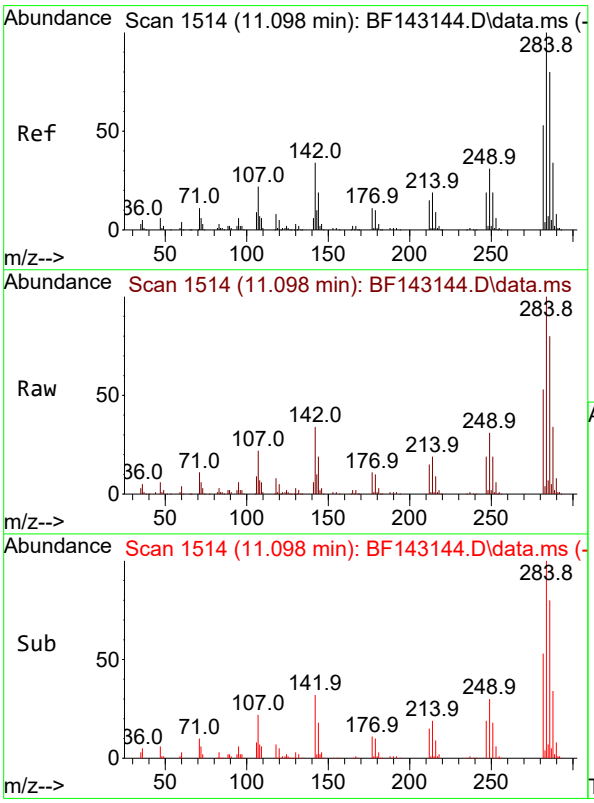
Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	74.0	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

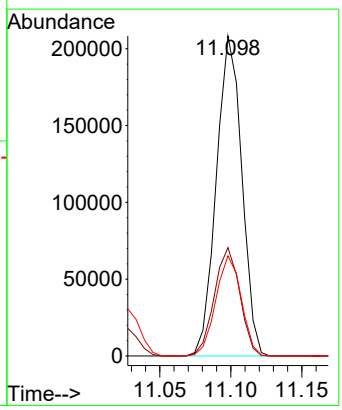


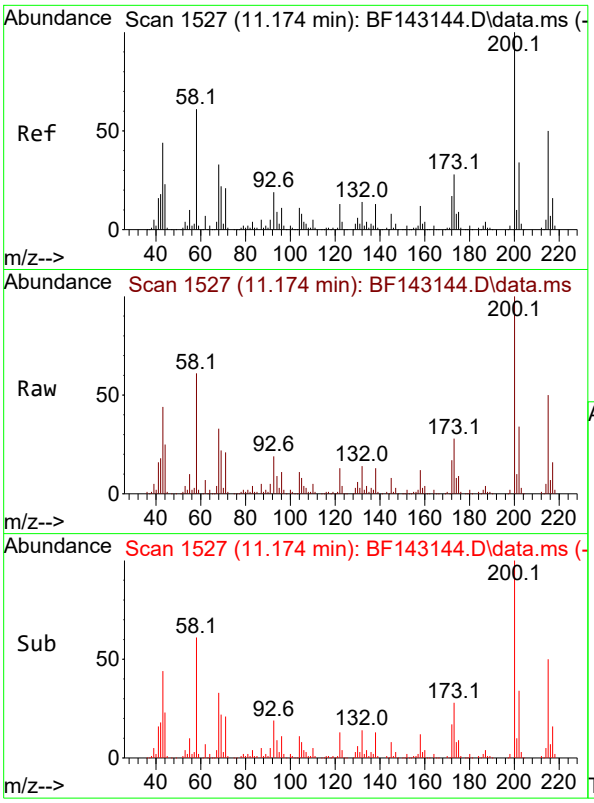


#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

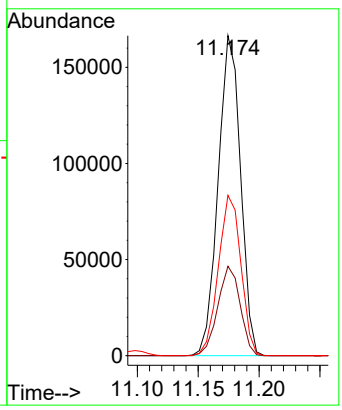
Tgt Ion:200 Resp: 21297

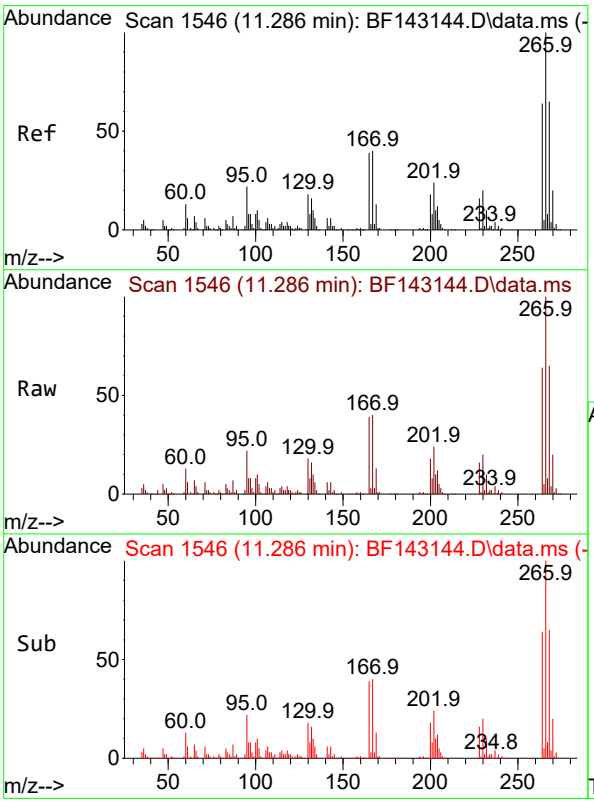
Ion	Ratio	Lower	Upper
200	100		
173	27.9	7.9	47.9
215	50.1	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

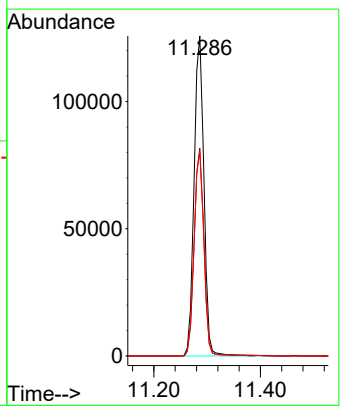


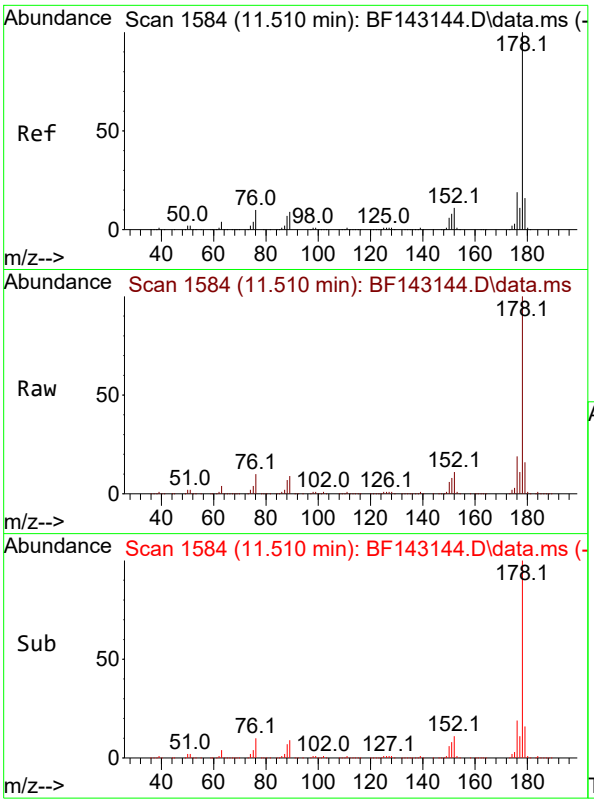


#70
Pentachlorophenol
Concen: 40.500 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

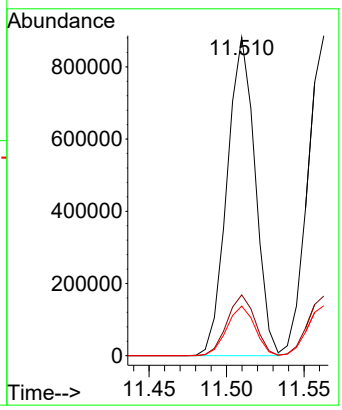
Tgt Ion:178 Resp: 110741

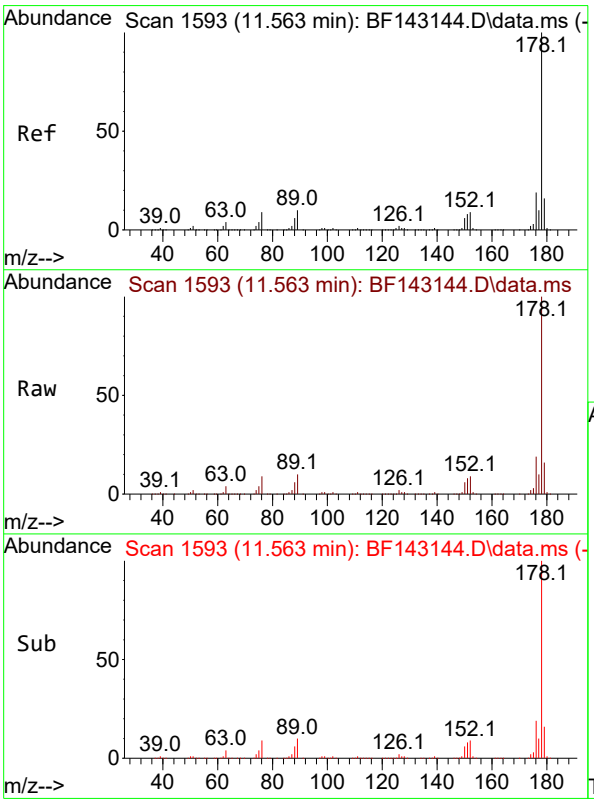
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

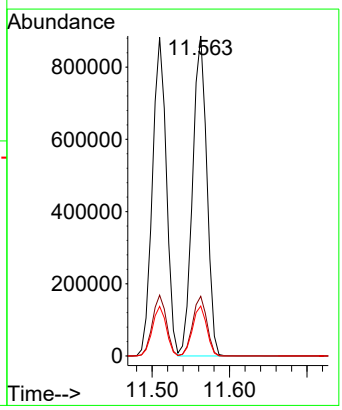


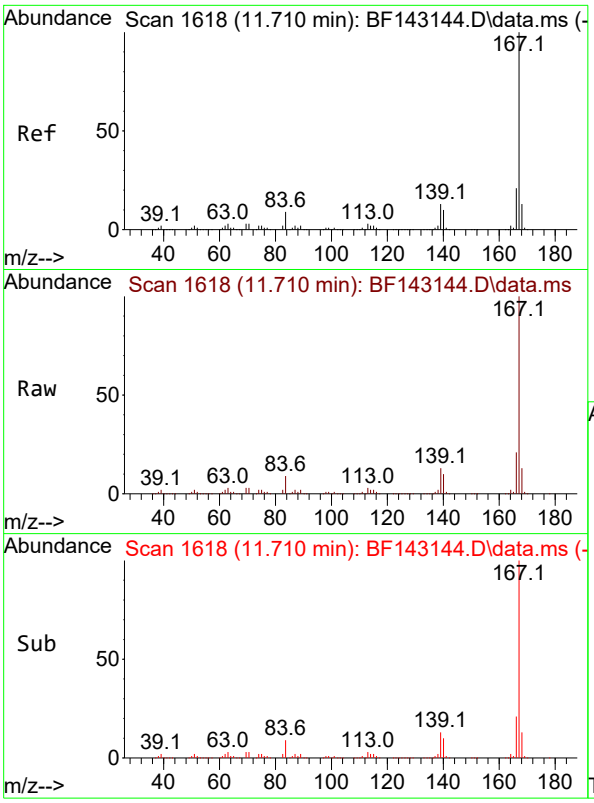


#72
Anthracene
Concen: 38.336 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

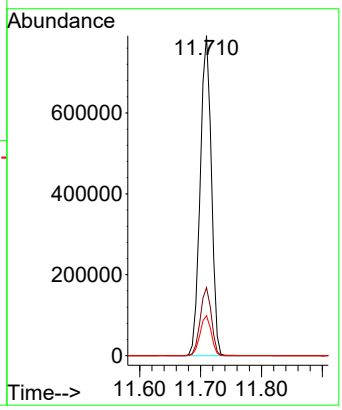
Tgt Ion:167 Resp: 100866

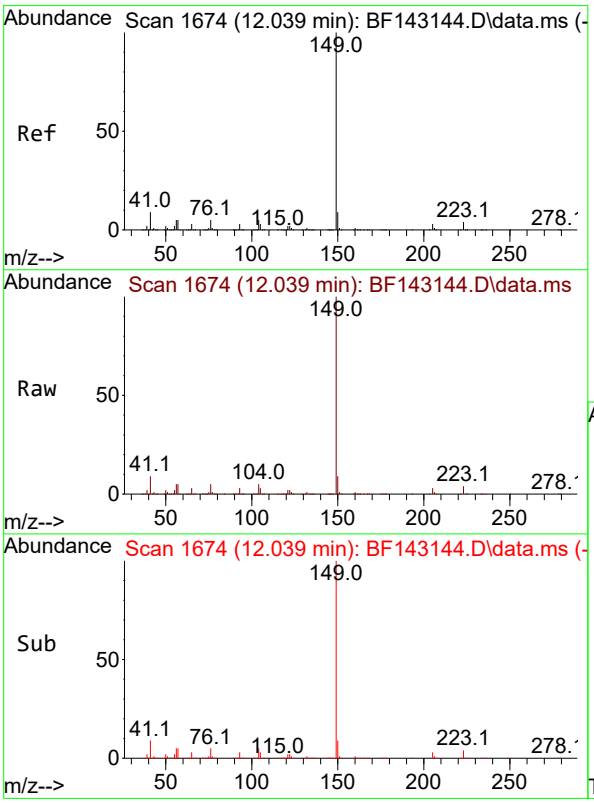
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.0	25.6
139	12.5	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

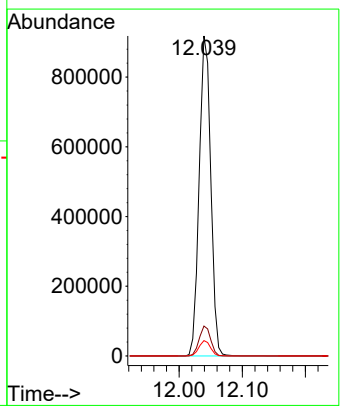


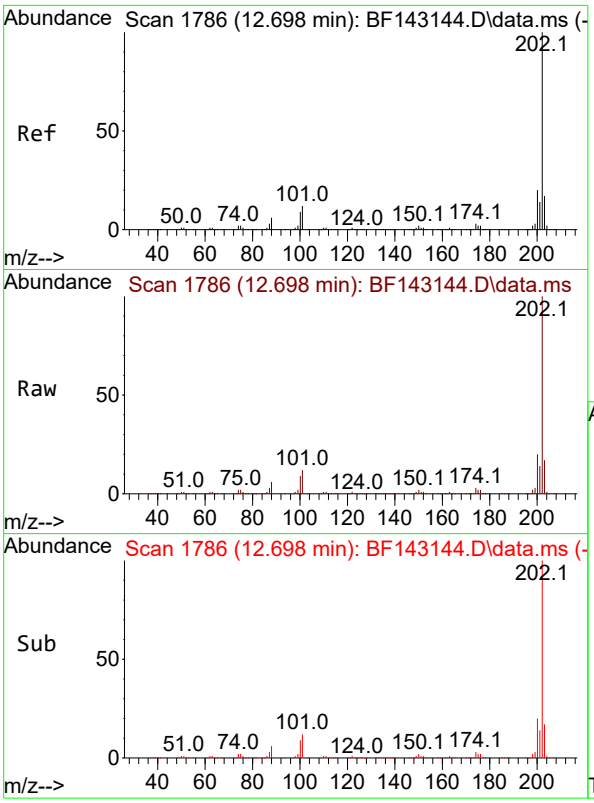


#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

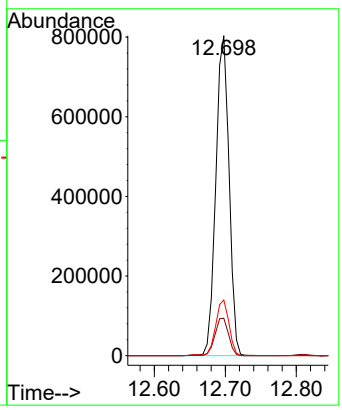
Tgt Ion:202 Resp: 1034509

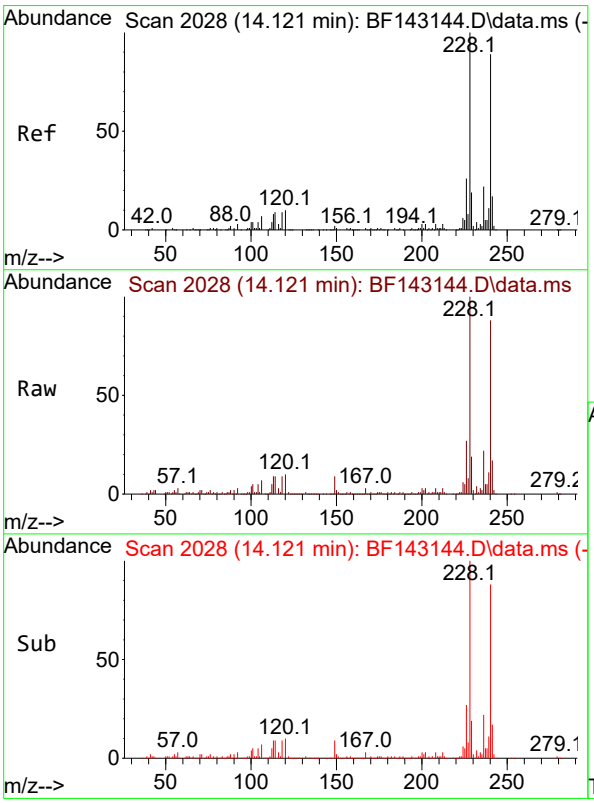
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.4	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

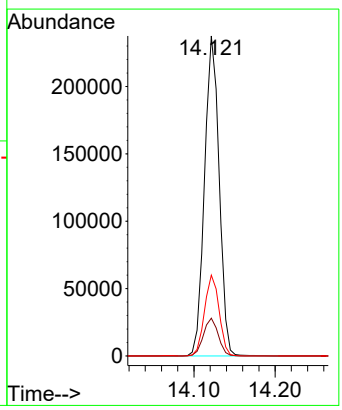


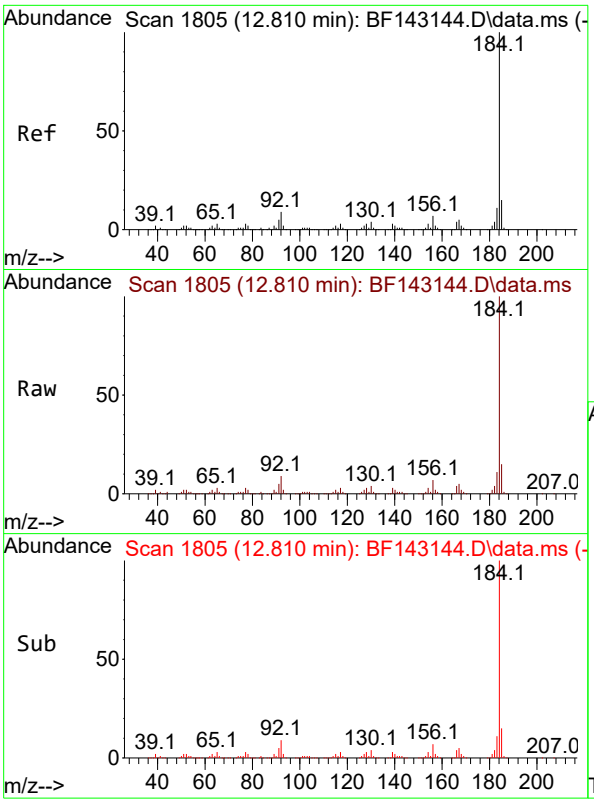


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

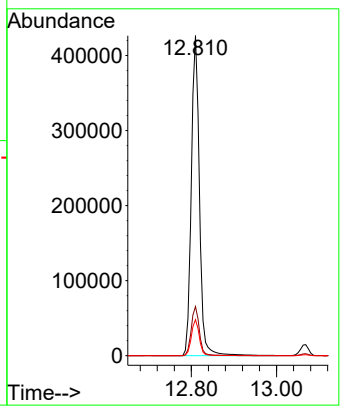
Tgt Ion:184 Resp: 56473

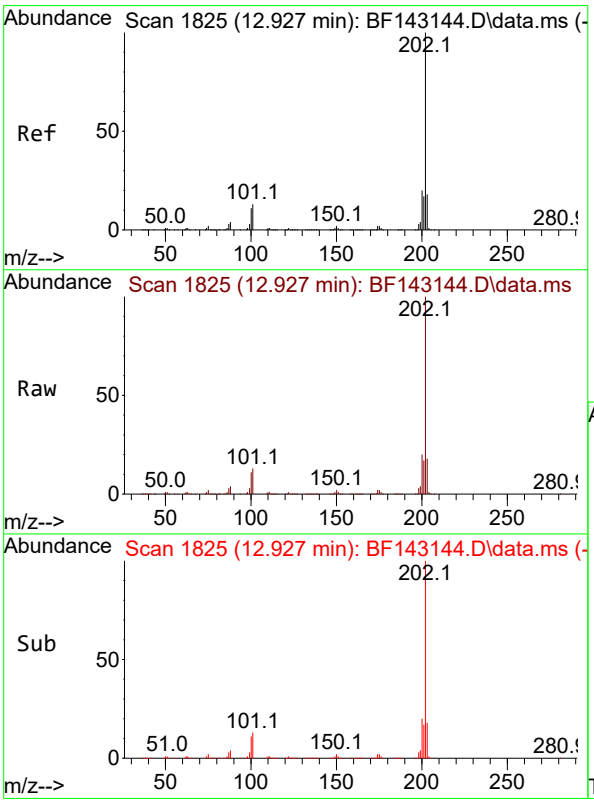
Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.4
183	11.2	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

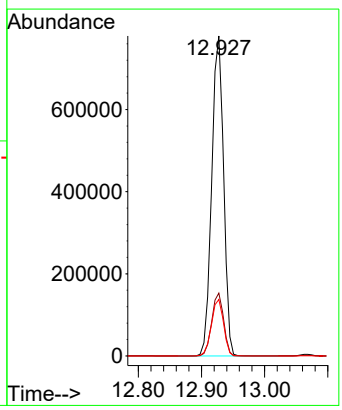


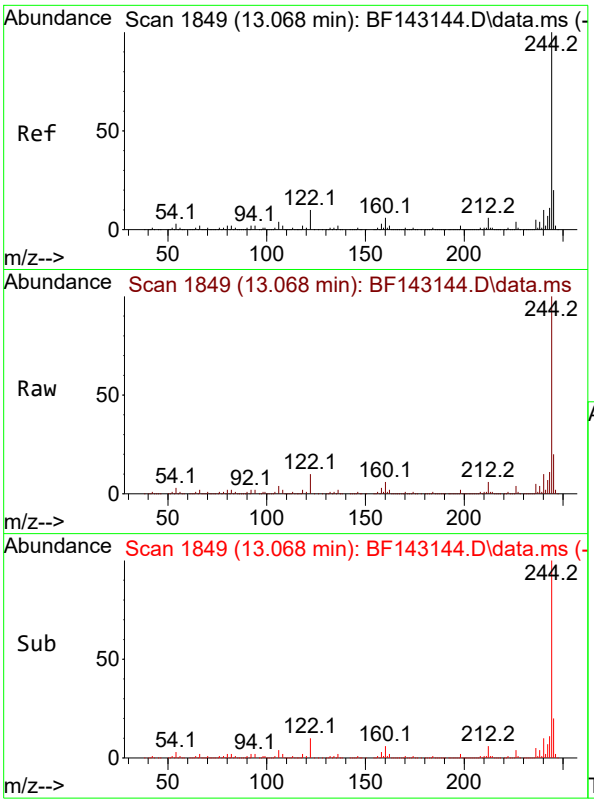


#78
Pyrene
Concen: 40.195 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

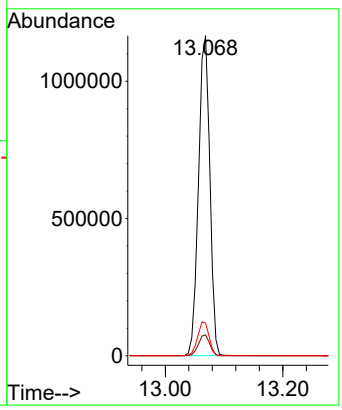
Tgt Ion:244 Resp: 155492

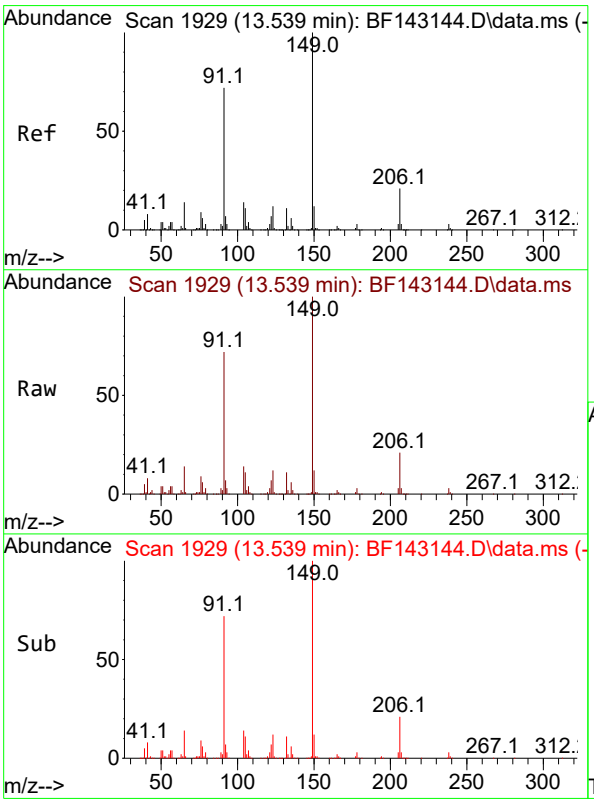
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.2	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

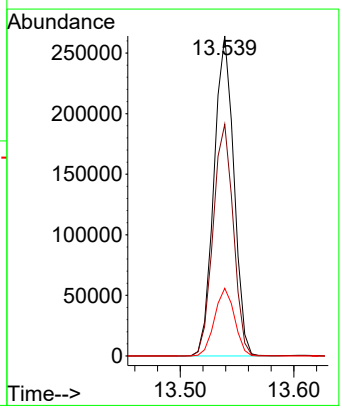


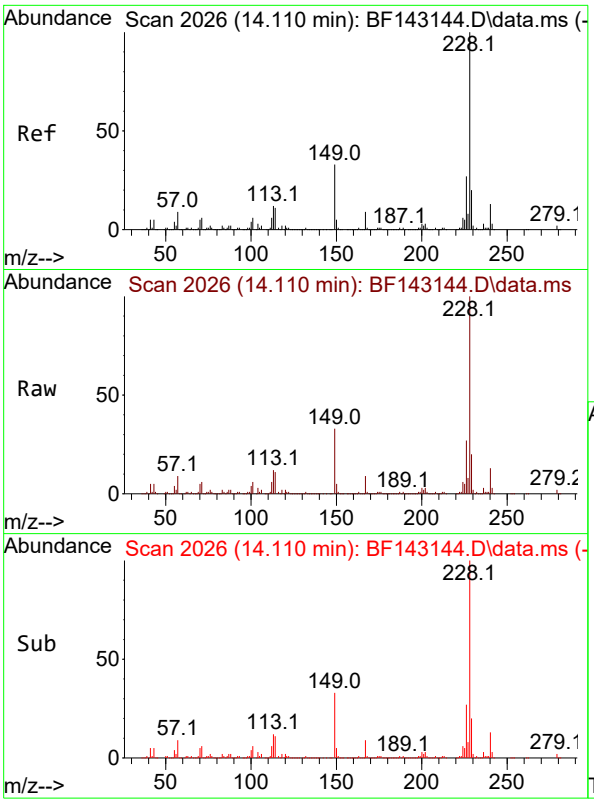


#80
Butylbenzylphthalate
Concen: 41.603 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

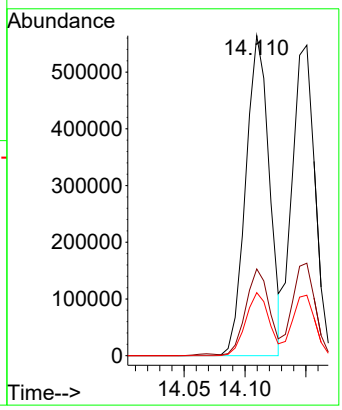
Tgt Ion:228 Resp: 75972(

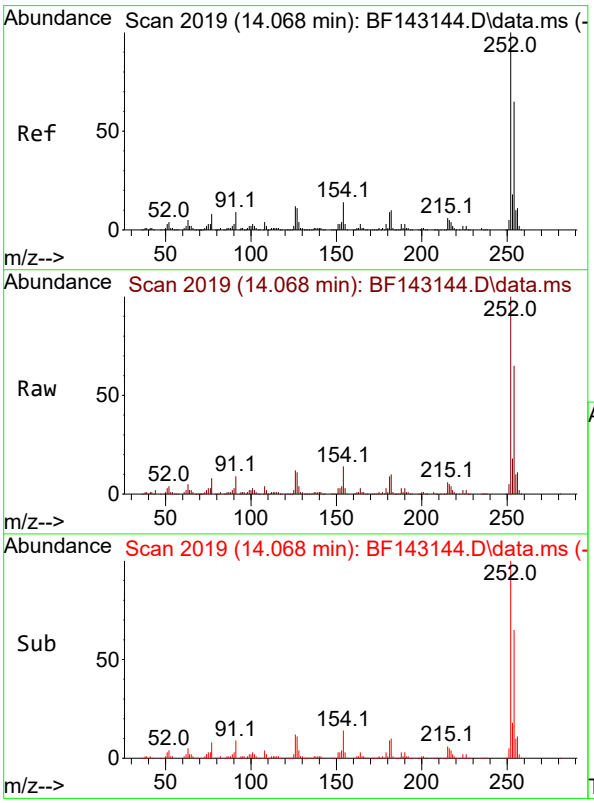
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.7	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

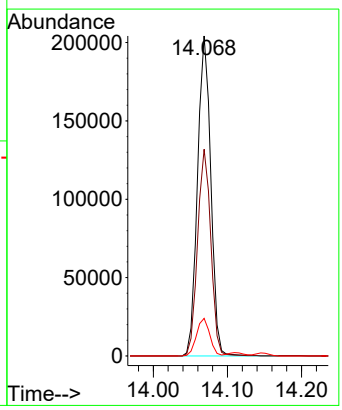


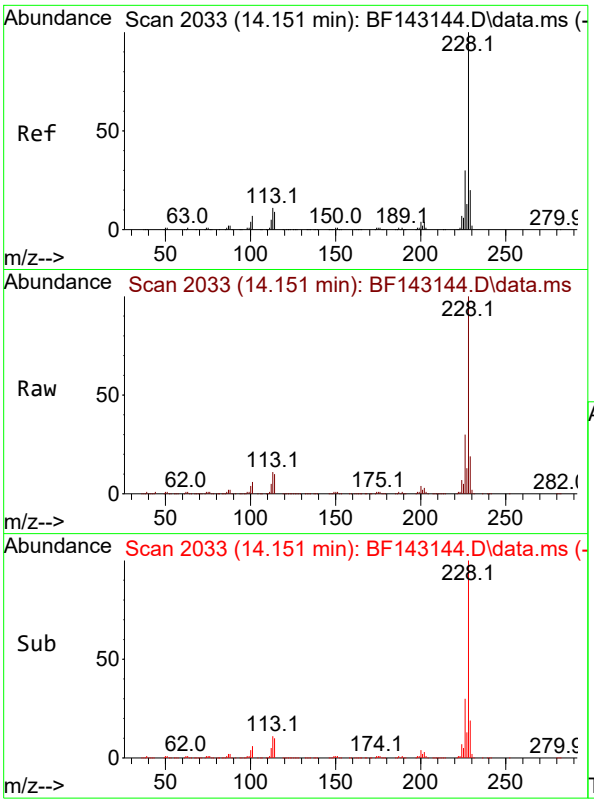


#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

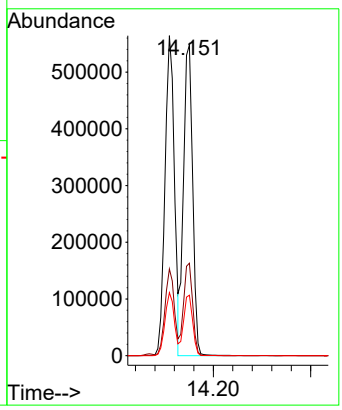
Tgt Ion:228 Resp: 71522

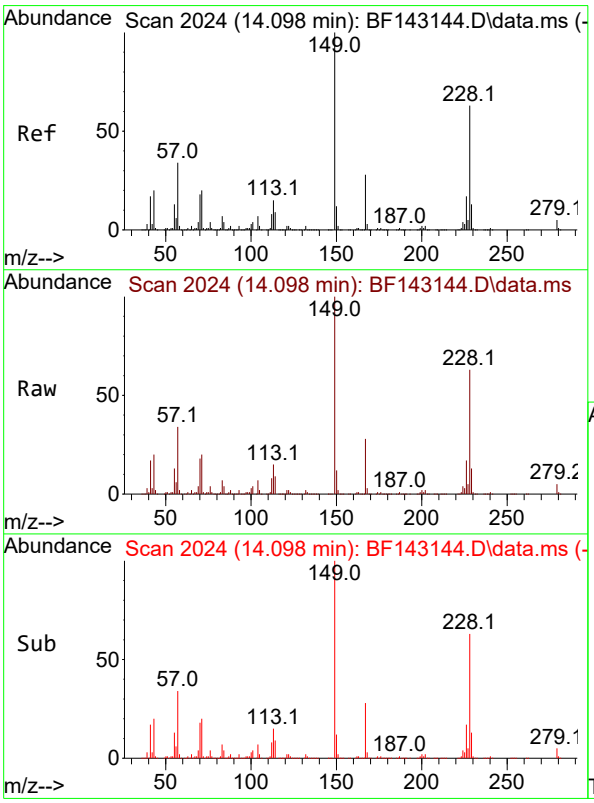
Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.5	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

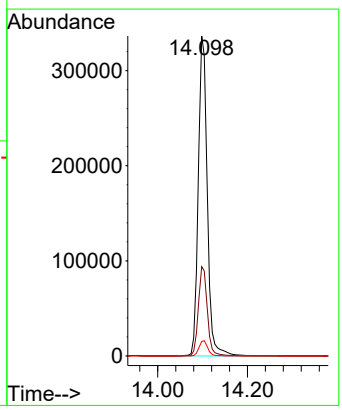


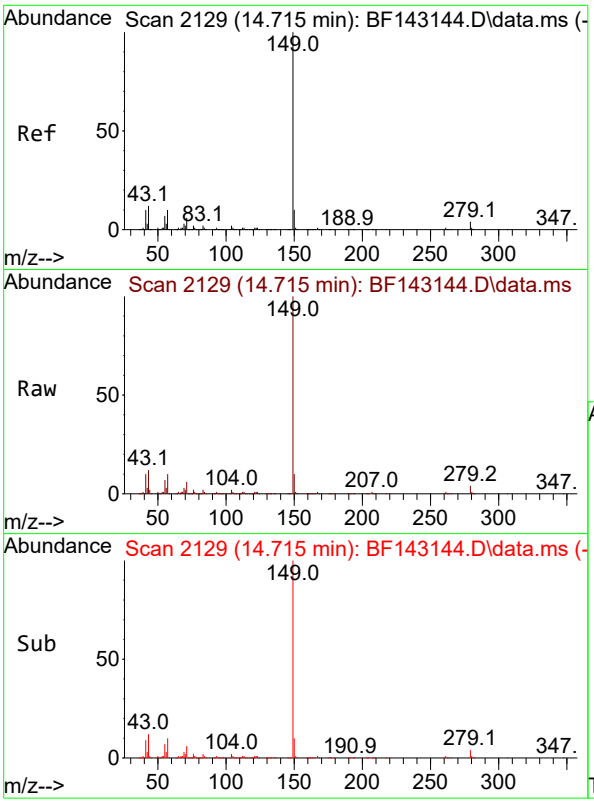


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.906 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

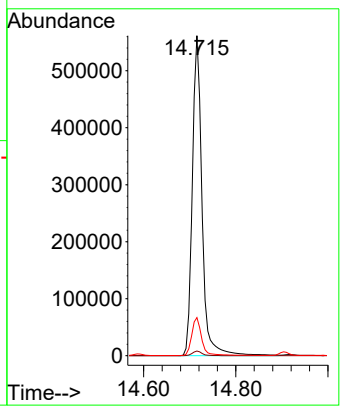
Tgt Ion:149 Resp: 82026

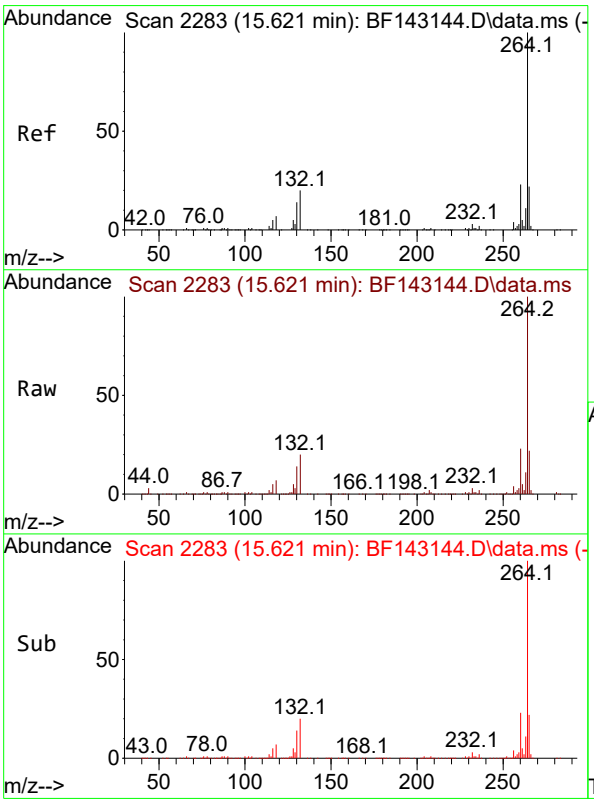
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	12.1	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

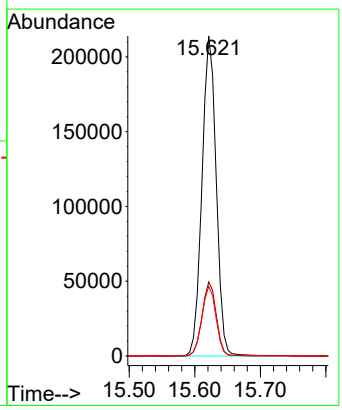


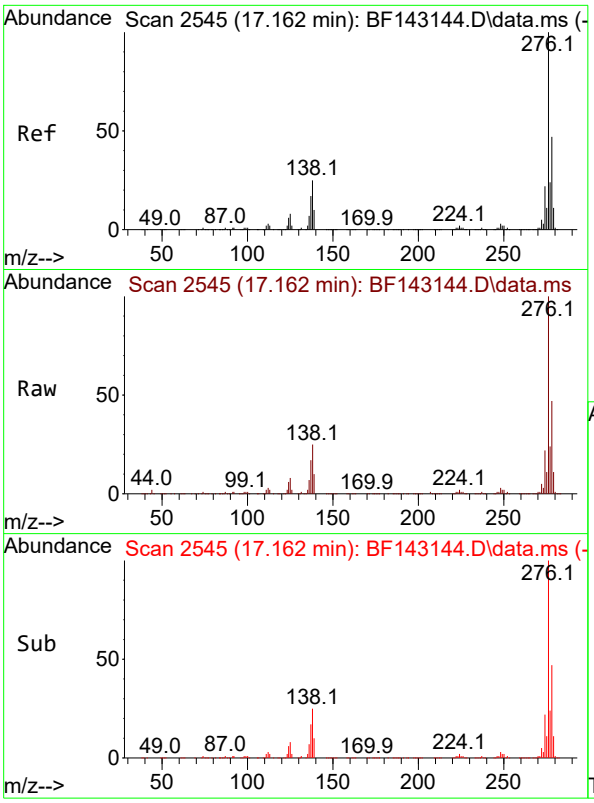


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

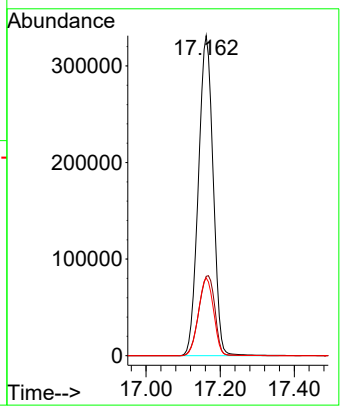
Tgt Ion:276 Resp: 91462

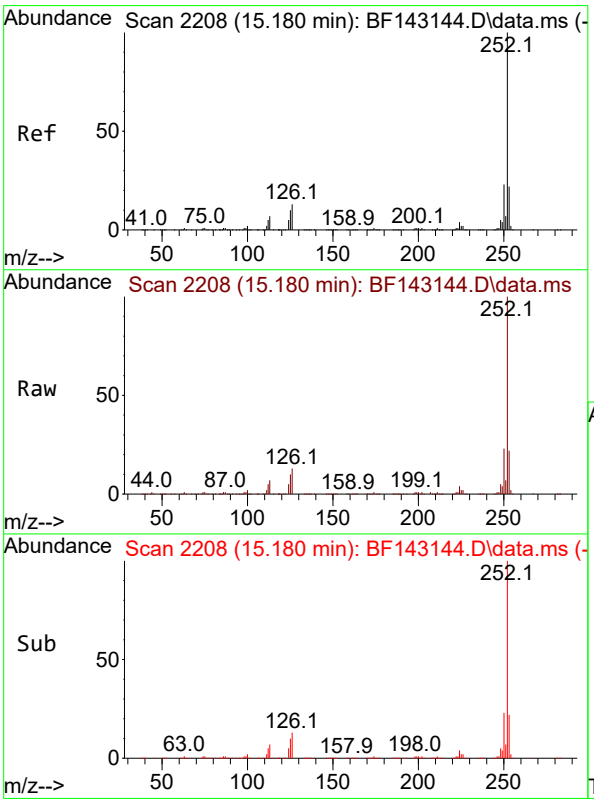
Ion	Ratio	Lower	Upper
276	100		
138	27.2	21.8	32.6
277	25.0	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

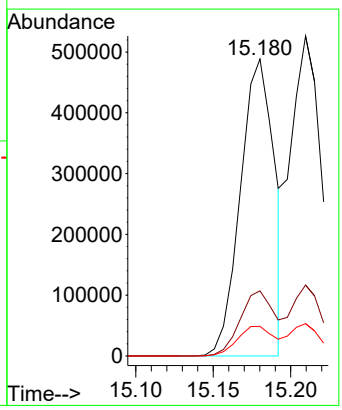


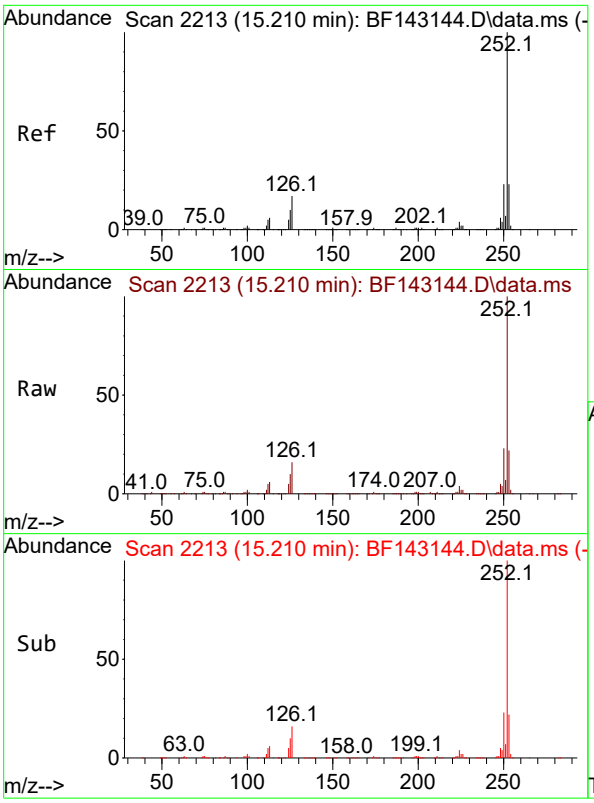


#88
Benzo(b)fluoranthene
Concen: 37.554 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

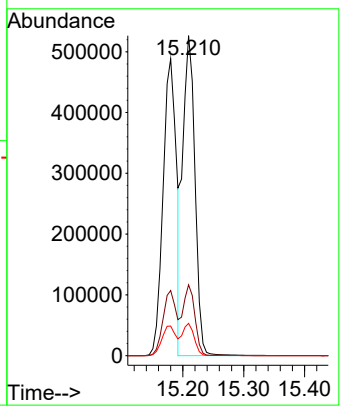
Tgt Ion:252 Resp: 73363

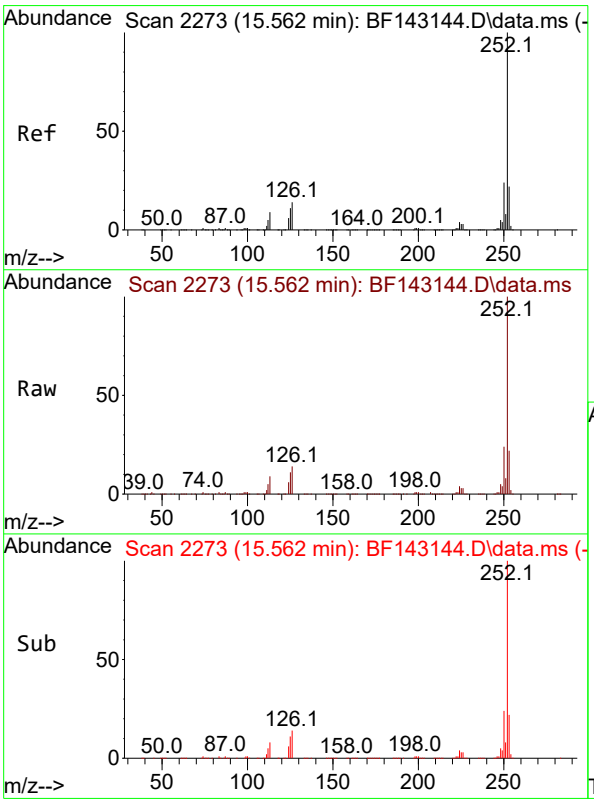
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.1	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

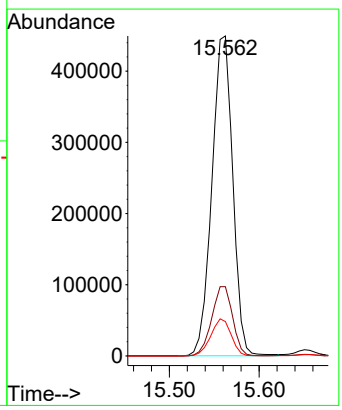


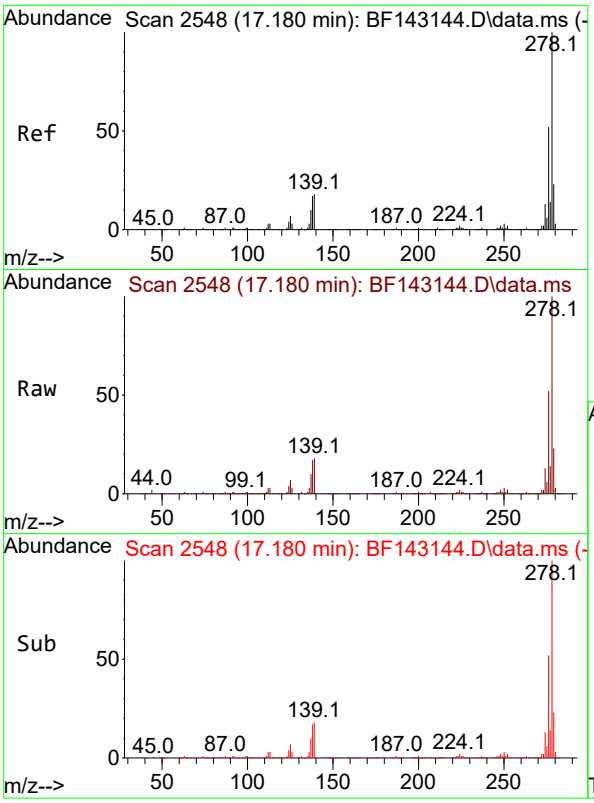


#90
Benzo(a)pyrene
Concen: 39.826 ng
RT: 15.562 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

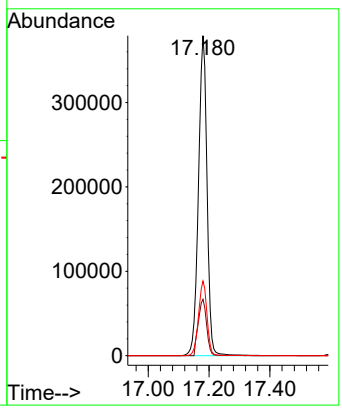
Tgt Ion:278 Resp: 74218

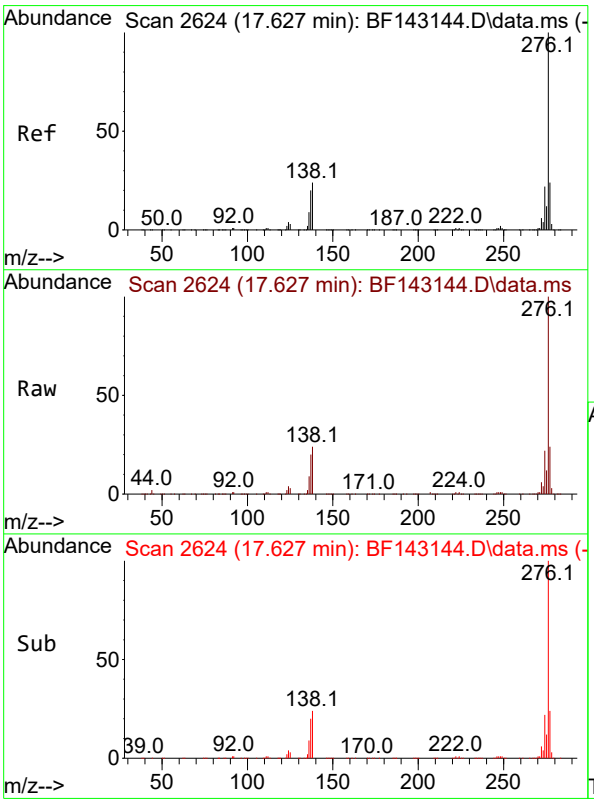
Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.1	21.1
279	23.3	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

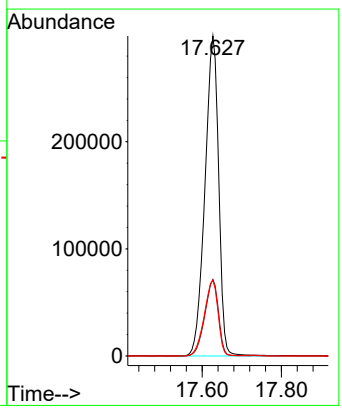




#92
Benzo(g,h,i)perylene
Concen: 39.949 ng
RT: 17.627 min Scan# 2624
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



Quantitation Report (QT Reviewed)

ICAL Form

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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

Quantitation Report (QT Reviewed)

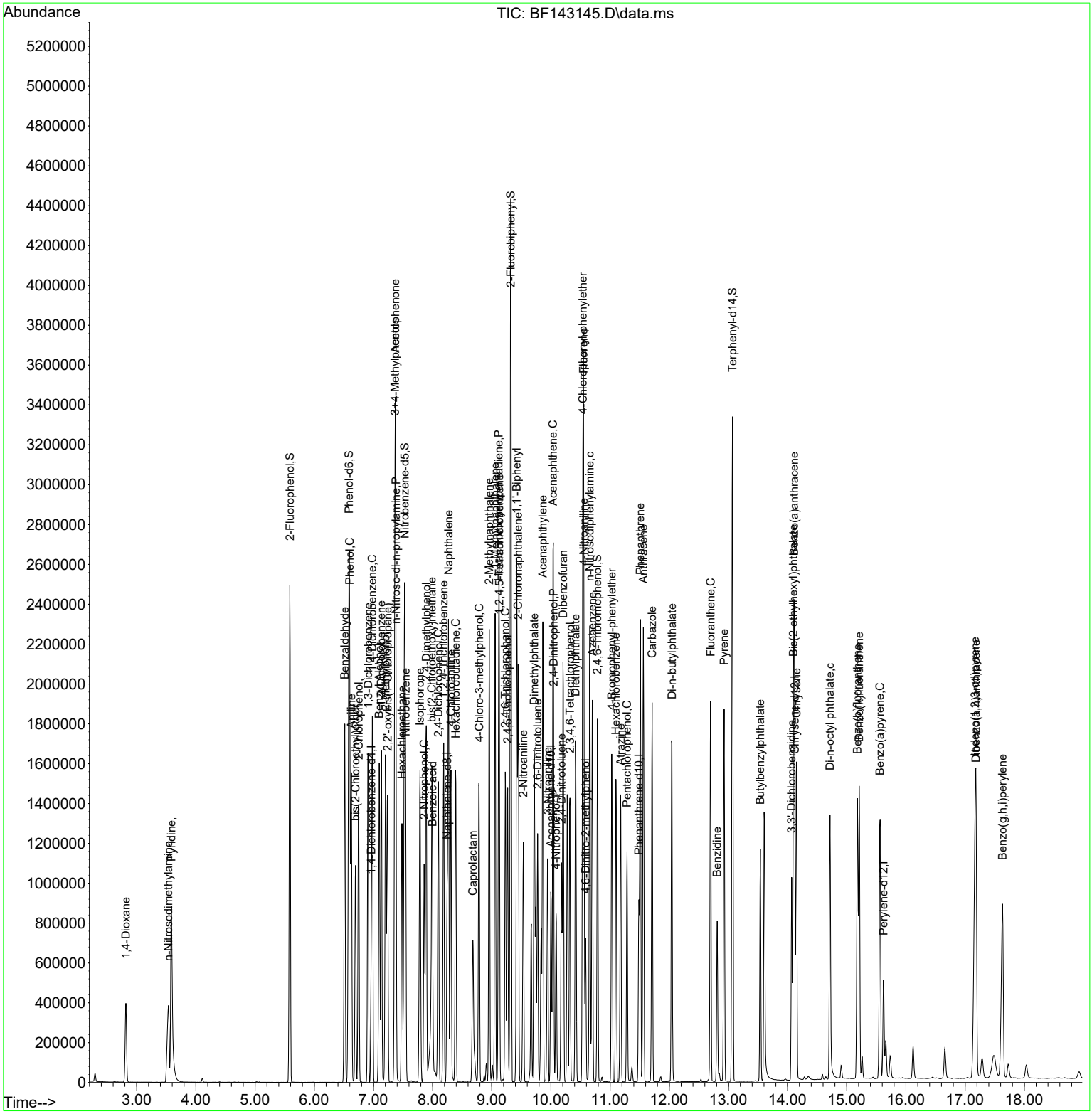
ICAL Form

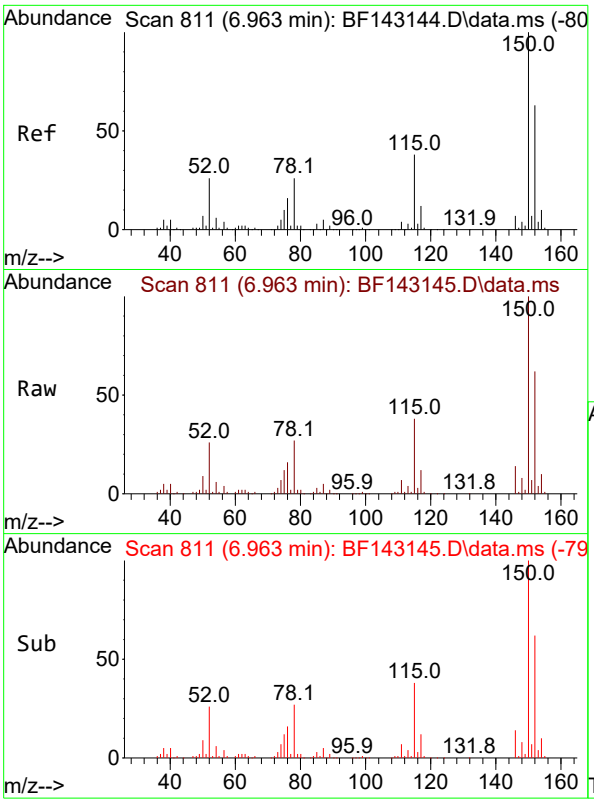
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143145.D
Acq On : 17 Jul 2025 13:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

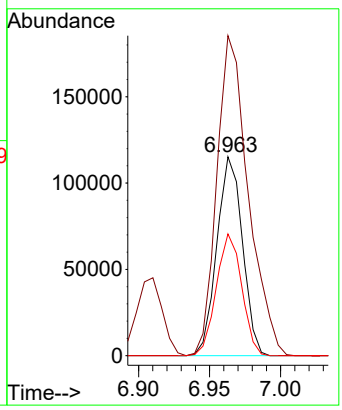
Tgt Ion:152 Resp: 14438

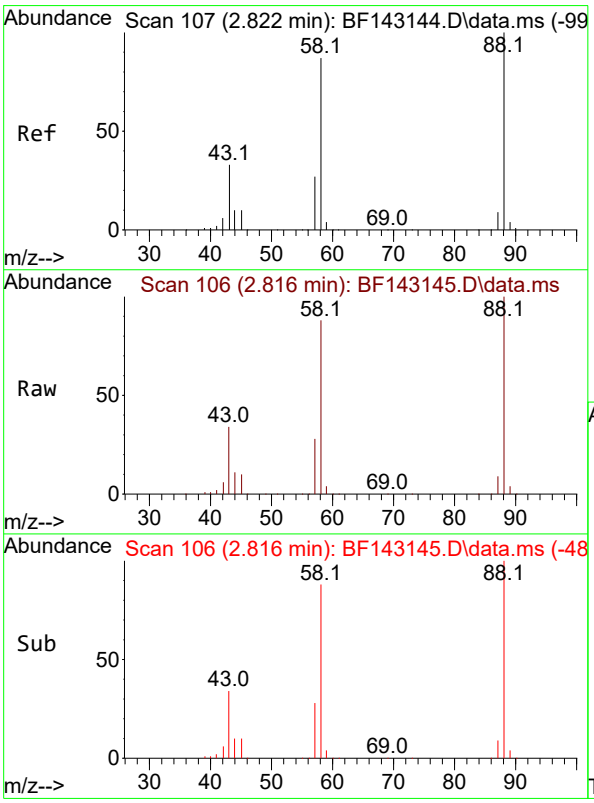
Ion	Ratio	Lower	Upper
152	100		
150	160.9	128.2	192.4
115	61.2	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

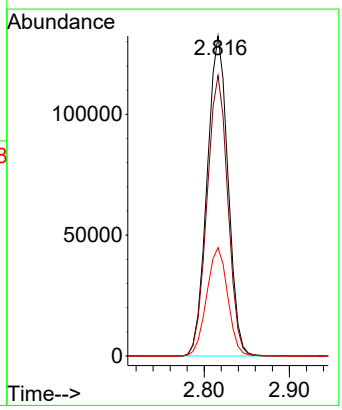


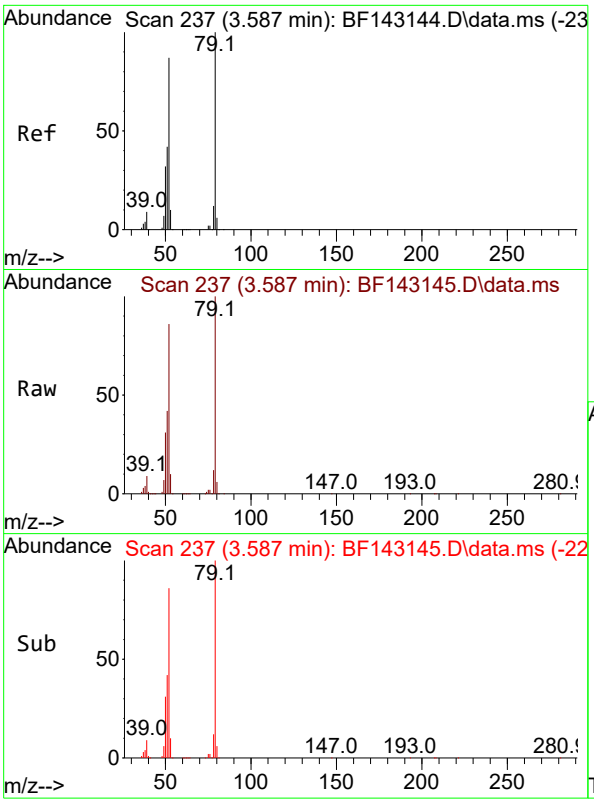


#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

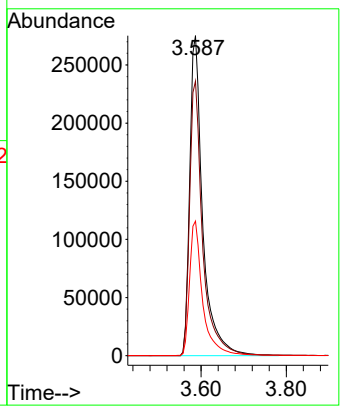
Tgt Ion: 79 Resp: 58406

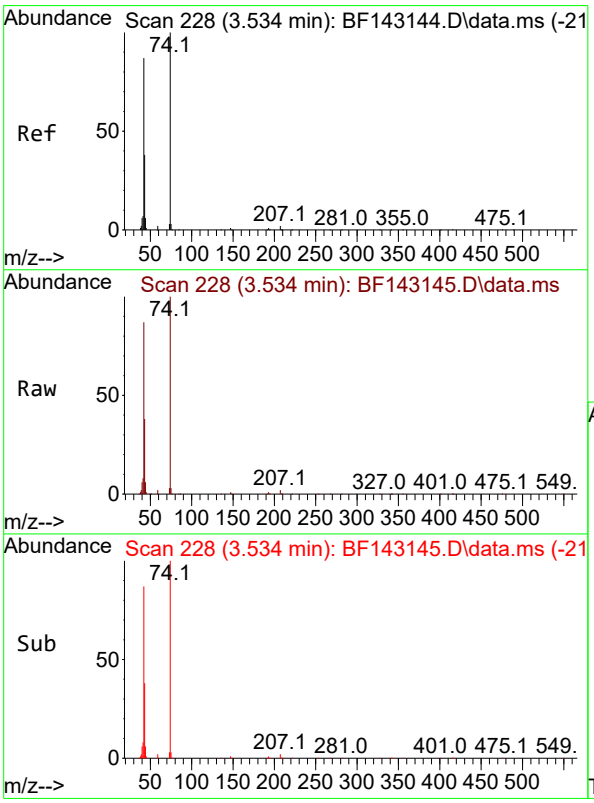
Ion	Ratio	Lower	Upper
79	100		
52	85.8	69.4	104.2
51	42.0	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

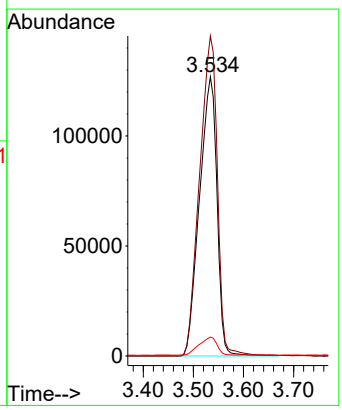


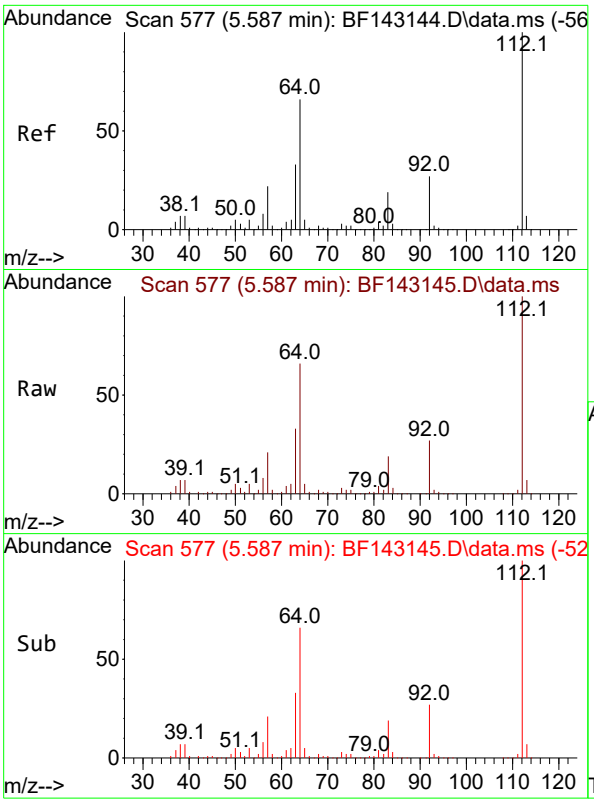


#4
n-Nitrosodimethylamine
Concen: 53.098 ng
RT: 3.534 min Scan# 228
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

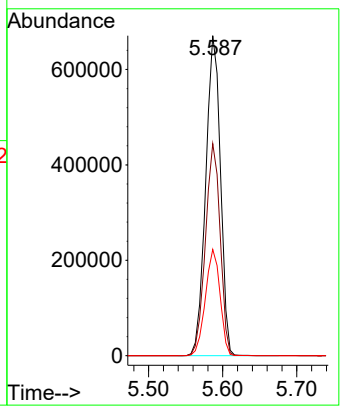
Tgt Ion:112 Resp: 92726

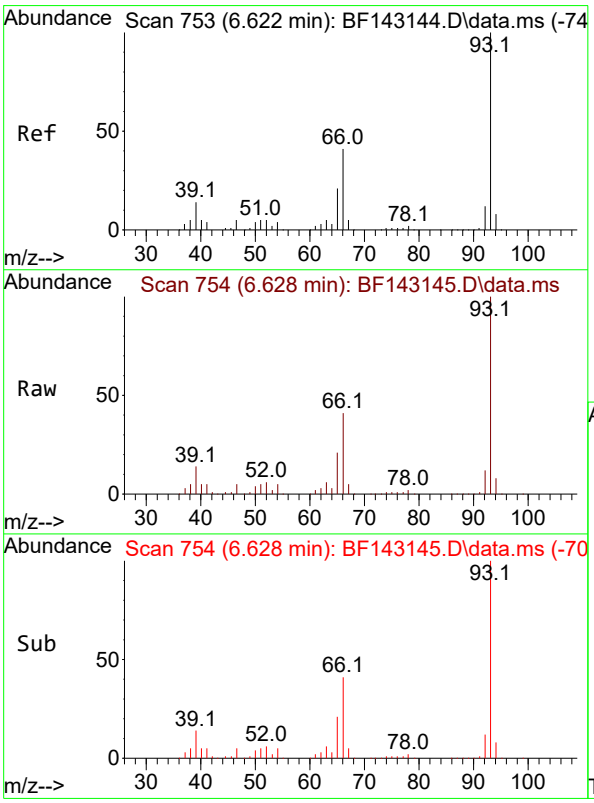
Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.1	79.7
63	33.2	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

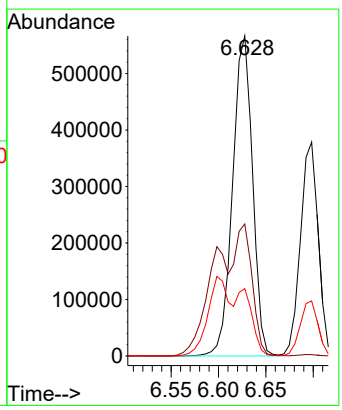


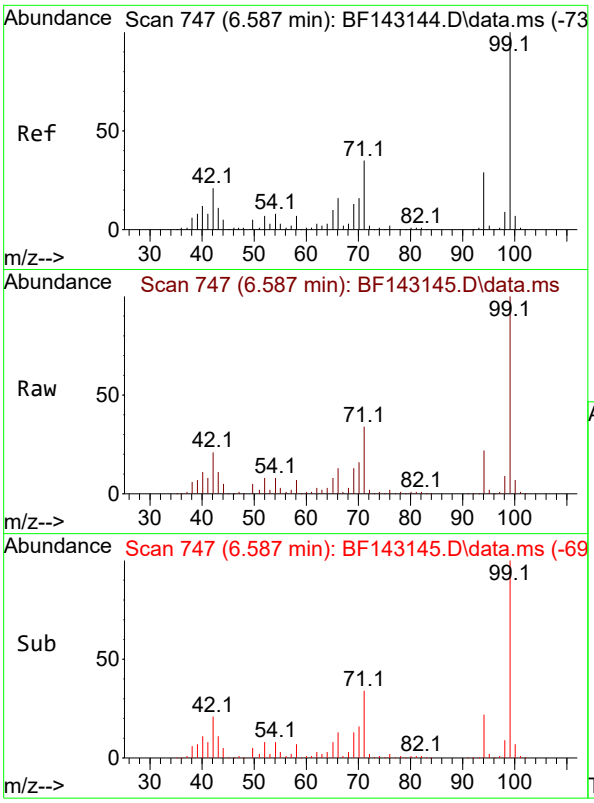


#6
Aniline
Concen: 51.687 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

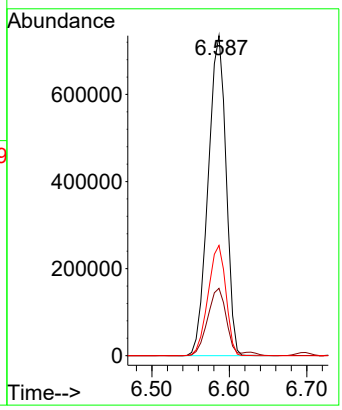
Tgt Ion: 99 Resp: 117846

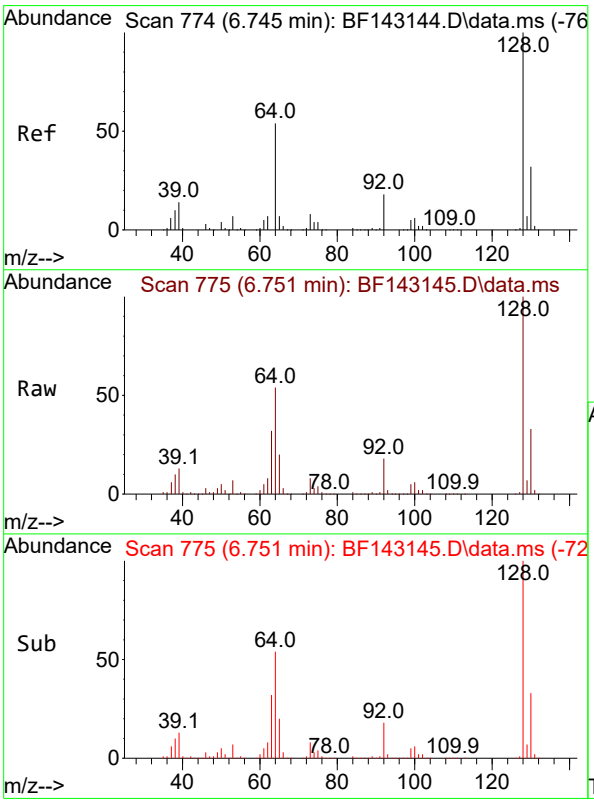
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	34.4	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

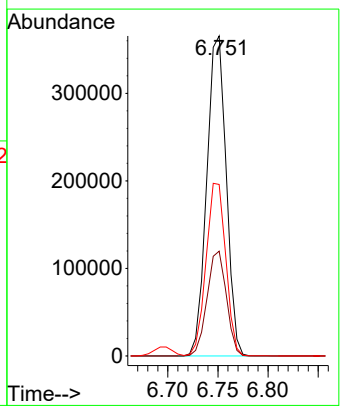


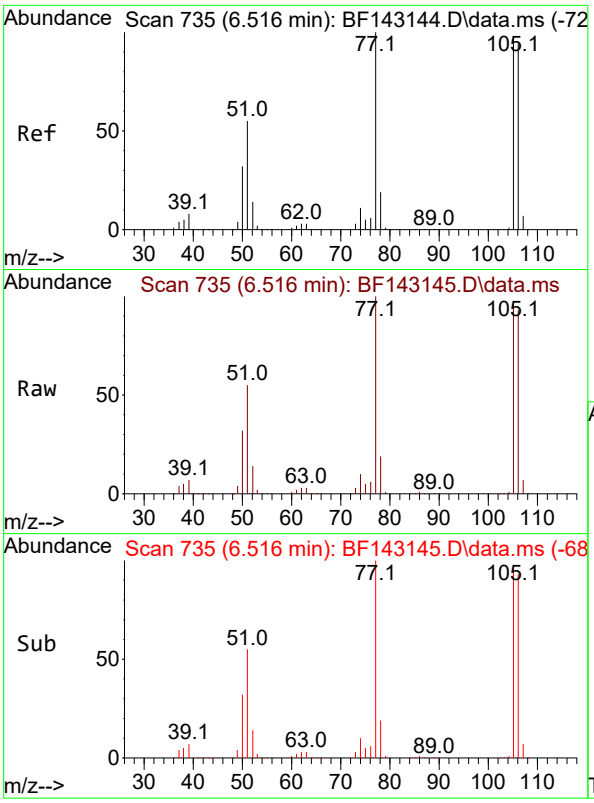


#8
2-Chlorophenol
Concen: 51.652 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

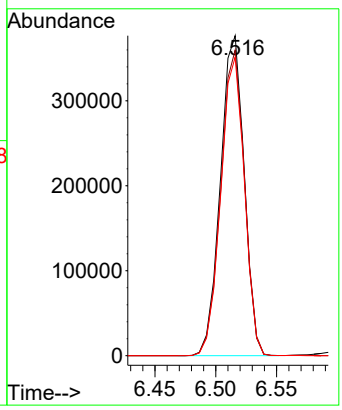
Tgt Ion: 77 Resp: 50947

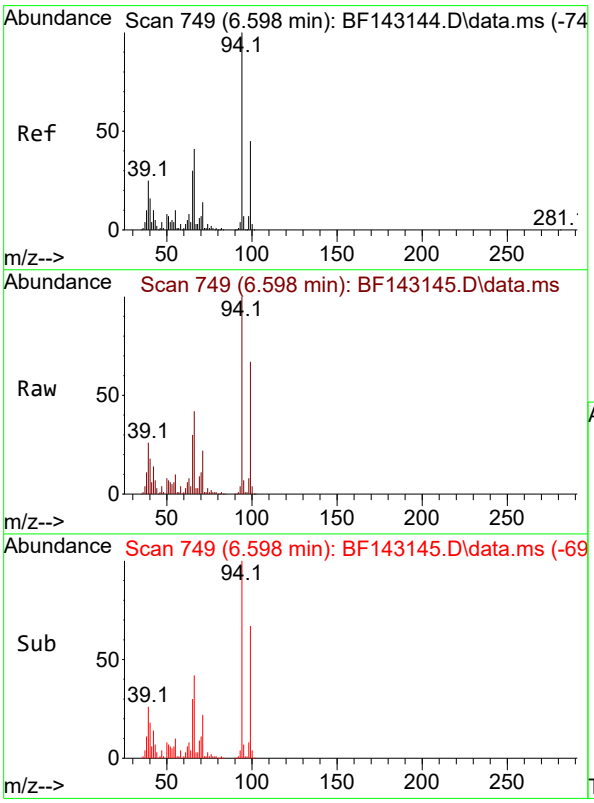
Ion	Ratio	Lower	Upper
77	100		
105	95.5	76.8	116.8
106	93.3	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

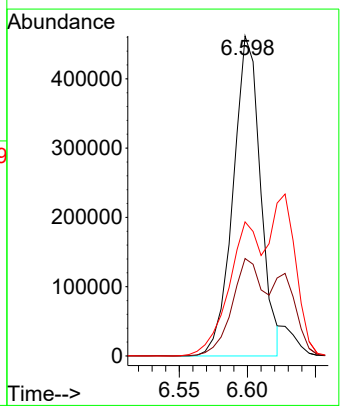


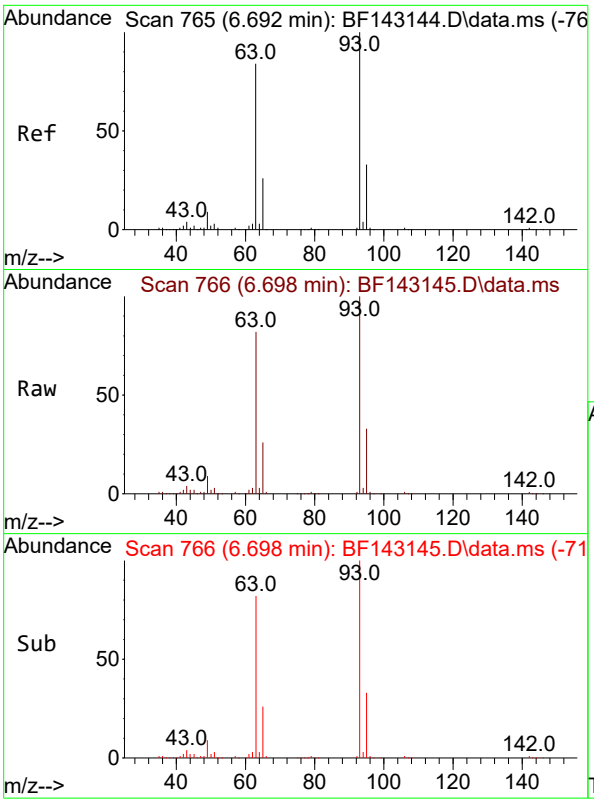


#10
Phenol
Concen: 51.598 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

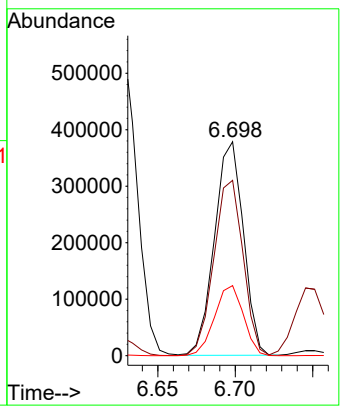
Tgt Ion: 93 Resp: 49137

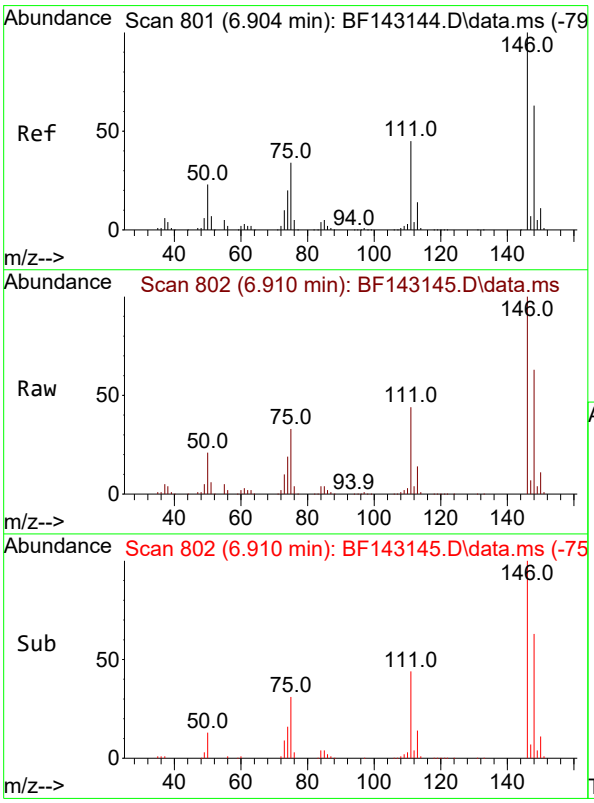
Ion	Ratio	Lower	Upper
93	100		
63	82.0	63.4	103.4
95	32.8	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

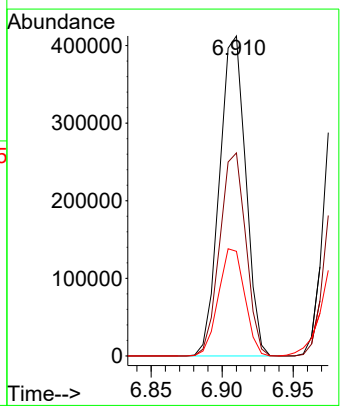


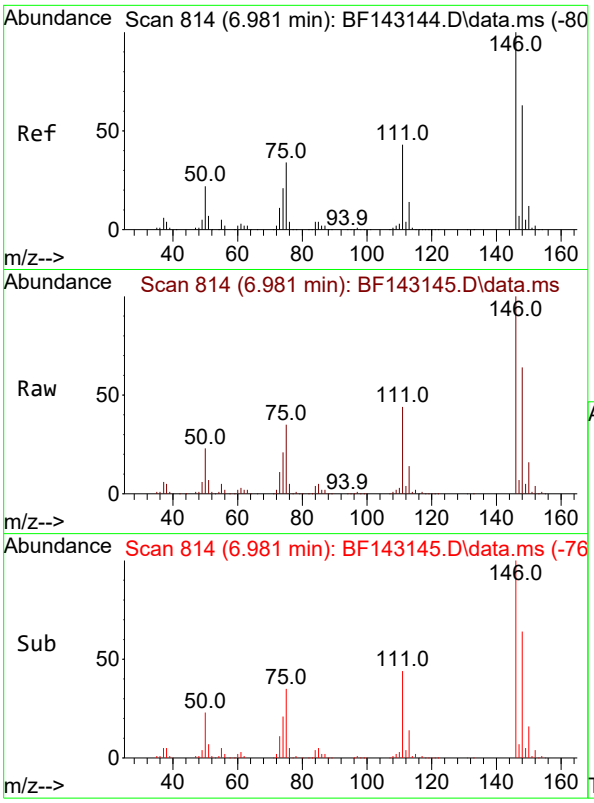


#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

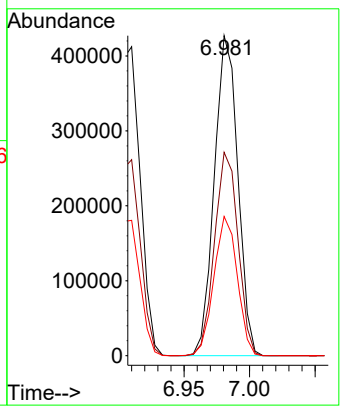
Tgt Ion:146 Resp: 53169

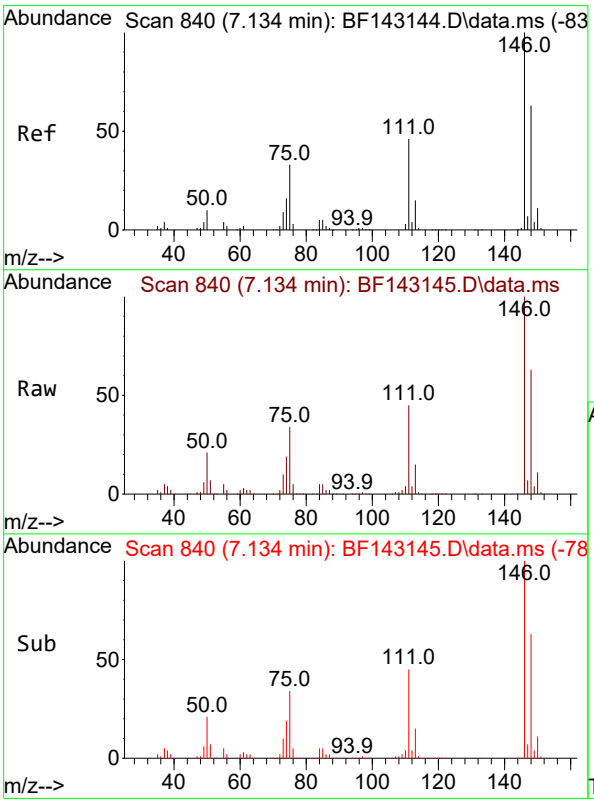
Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.3	75.5
111	43.5	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

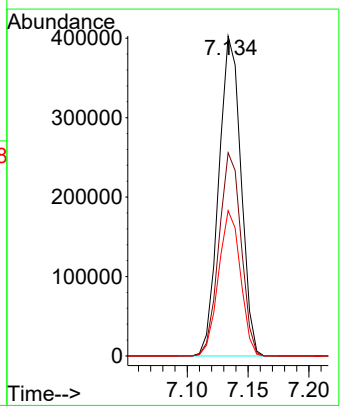


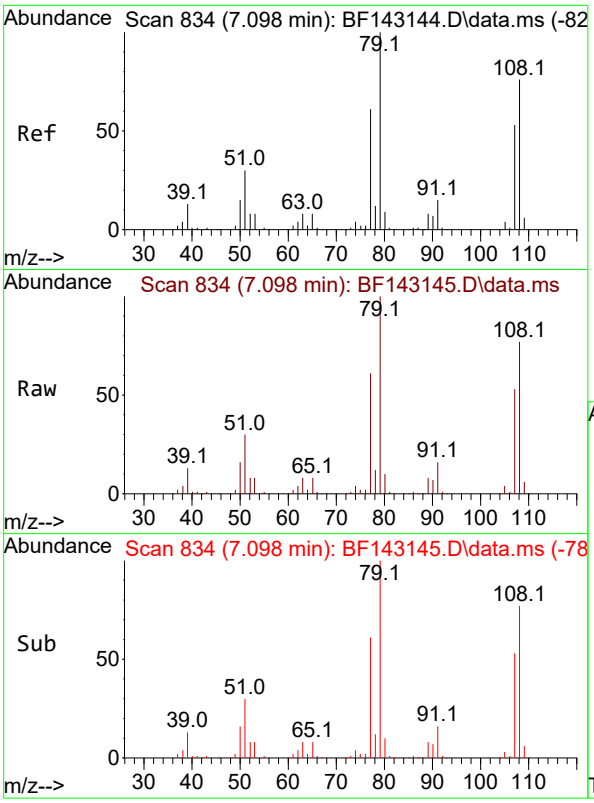


#14
1,2-Dichlorobenzene
Concen: 51.264 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

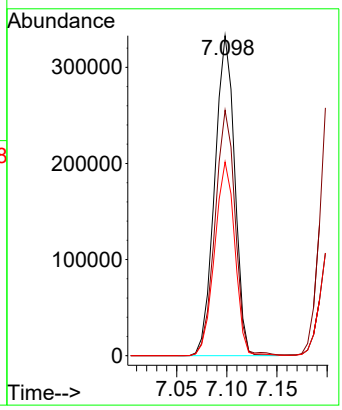
Tgt Ion: 79 Resp: 46137

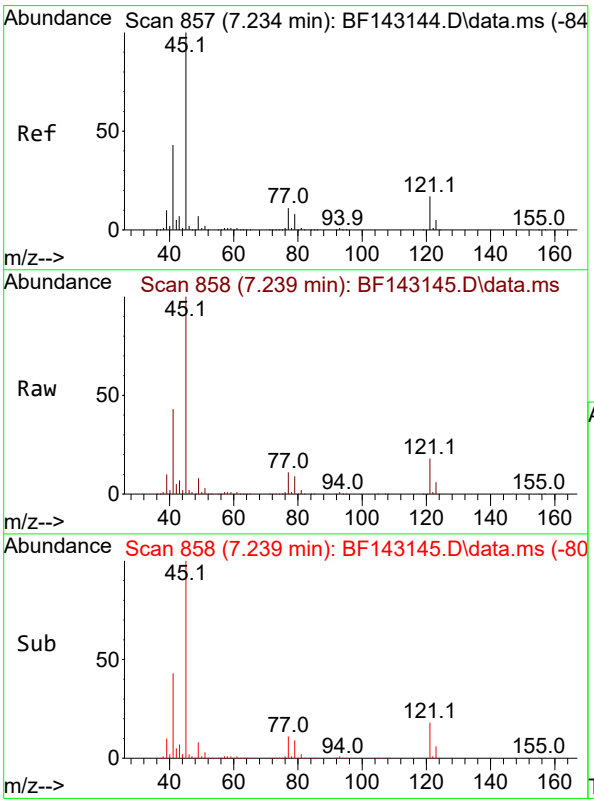
Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.1	91.7
77	60.6	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

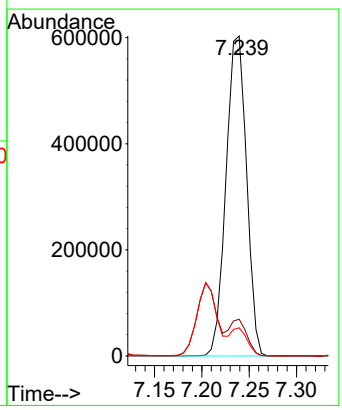


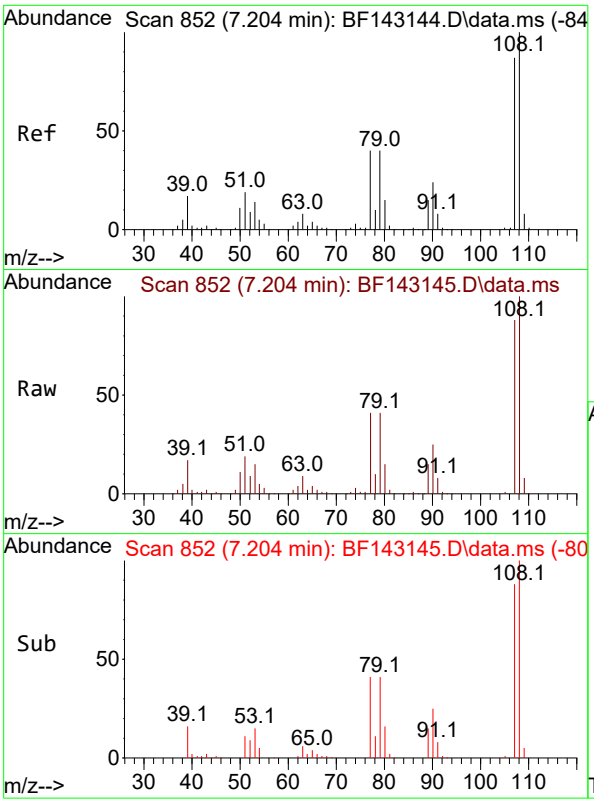


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.128 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

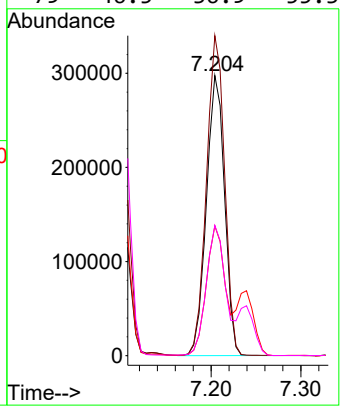




#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:107 Resp: 41879

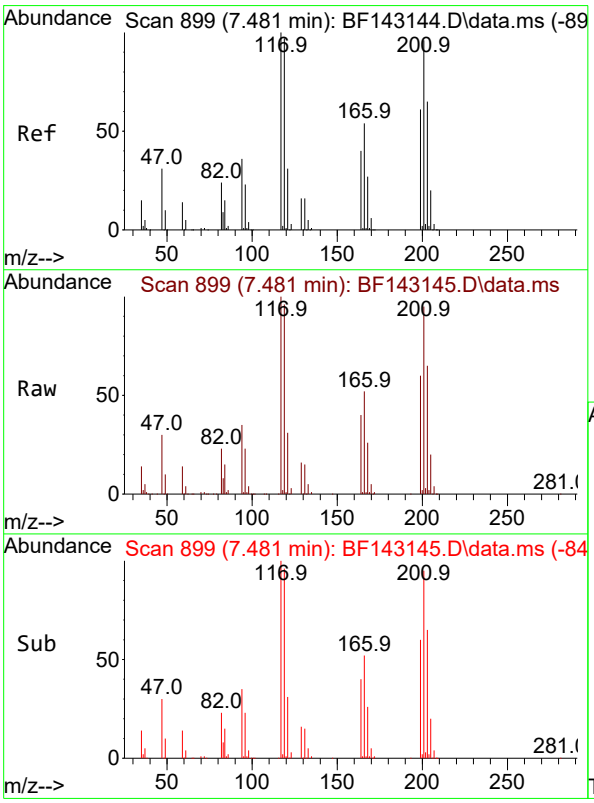
Ion	Ratio	Lower	Upper
107	100		
108	114.2	91.8	137.6
77	46.3	37.0	55.6
79	46.5	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

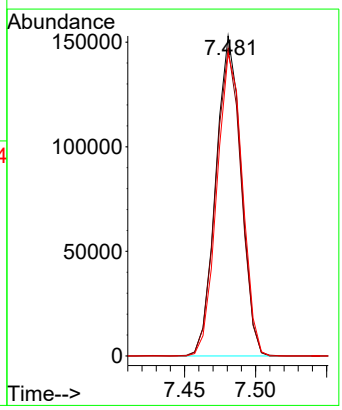
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

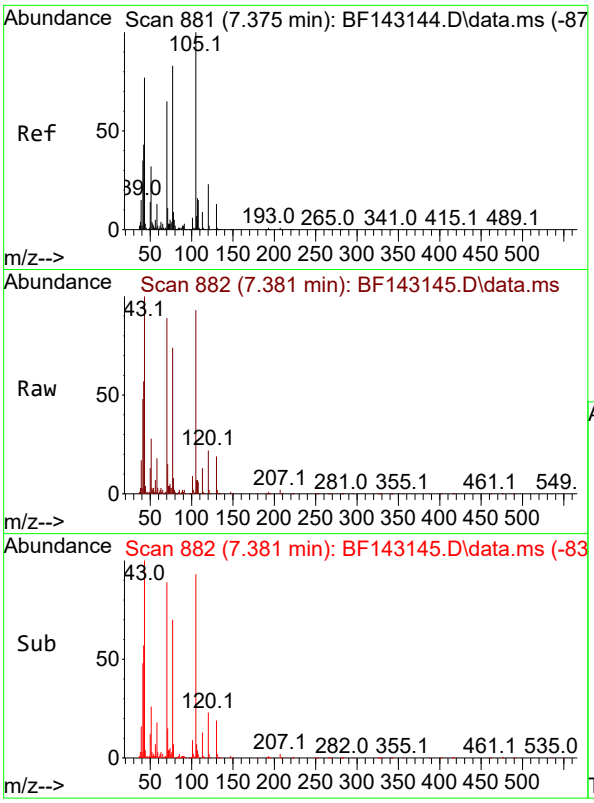


#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

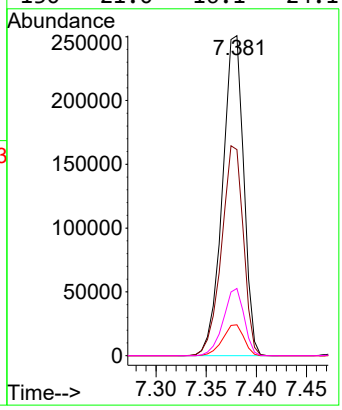




#19
n-Nitroso-di-n-propylamine
Concen: 50.131 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 70 Resp: 36936

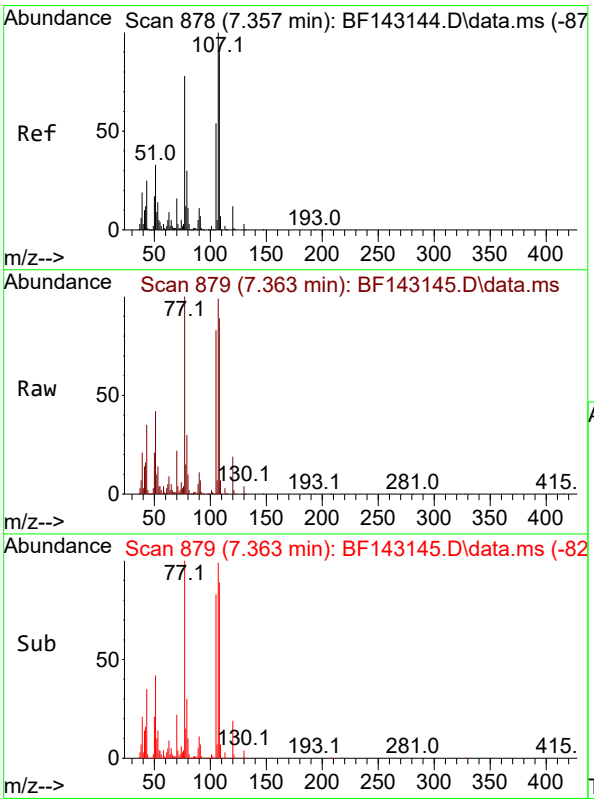
Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.7	7.6	11.4
130	21.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

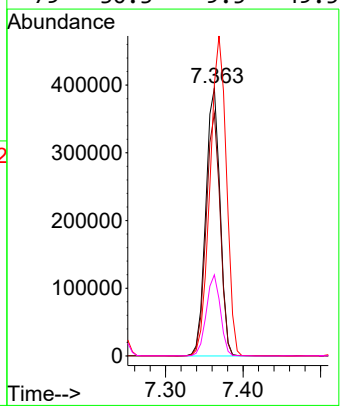
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

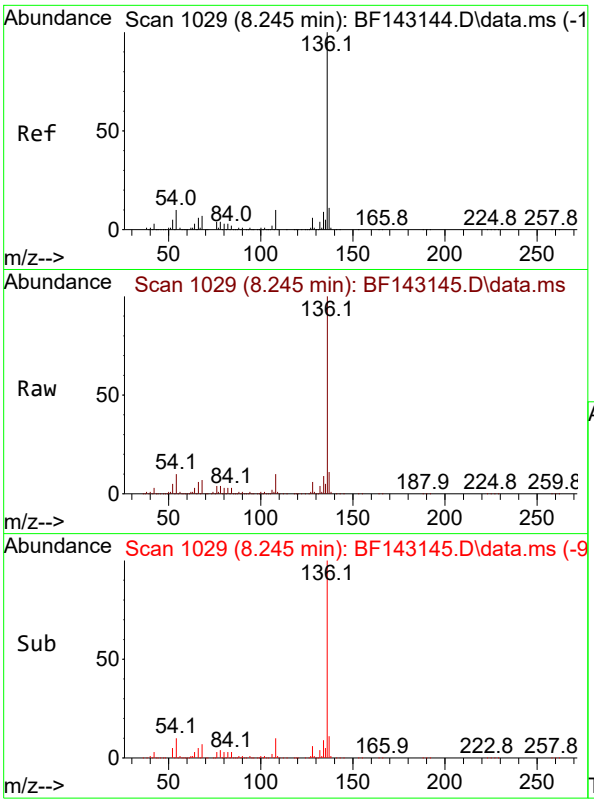


#20
3+4-Methylphenols
Concen: 51.870 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

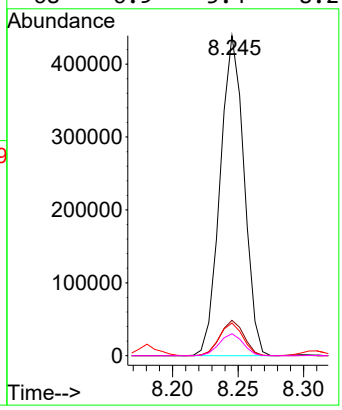




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:136 Resp: 55553(

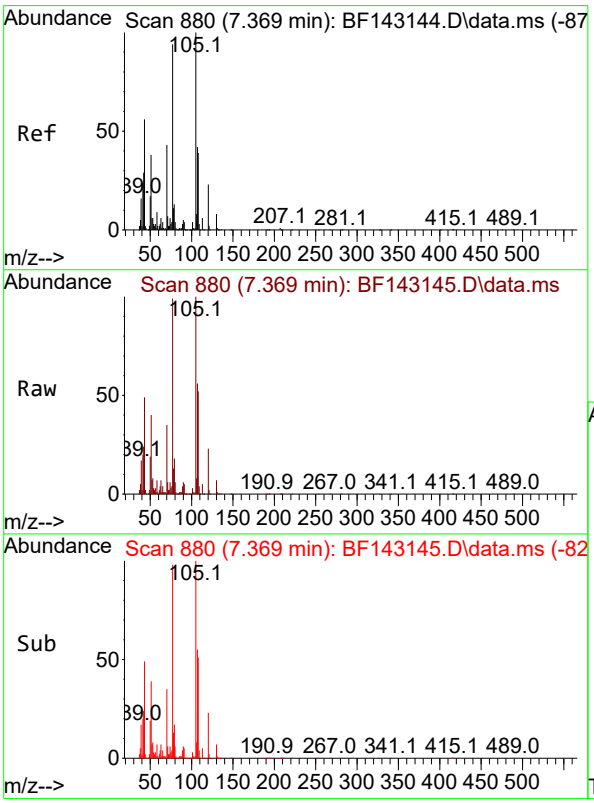
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.2	8.2	12.2
68	6.9	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

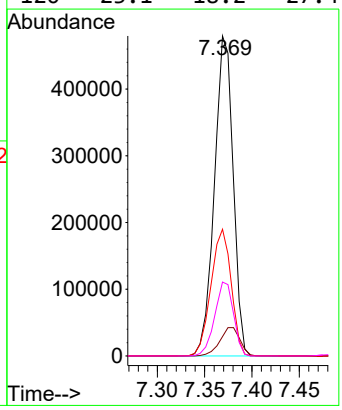
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

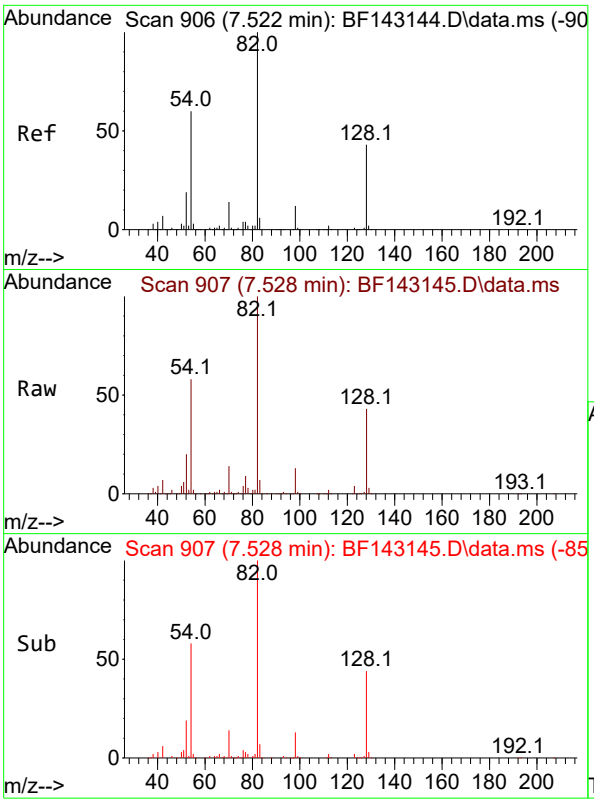


#22
Acetophenone
Concen: 50.258 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

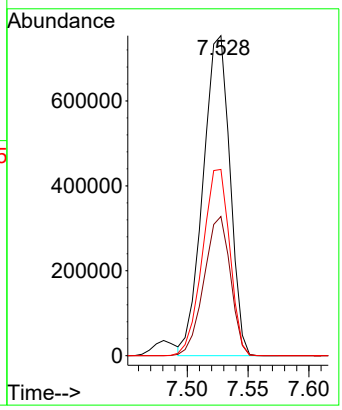
Tgt Ion: 82 Resp: 115849

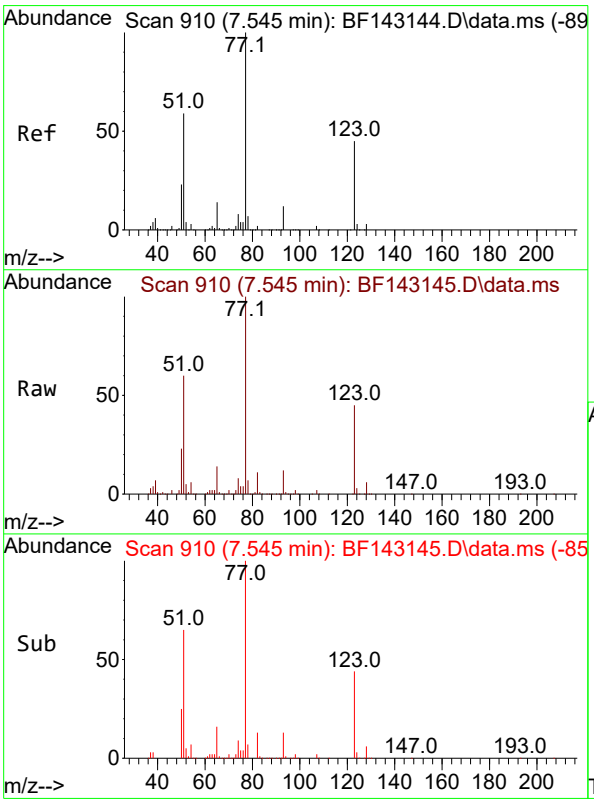
Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.6	50.4
54	58.2	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

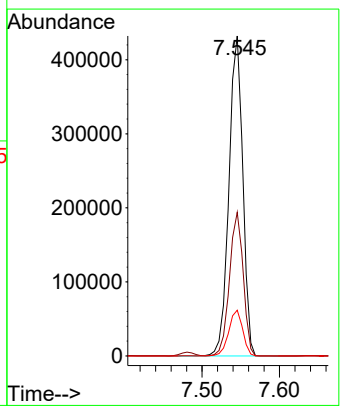


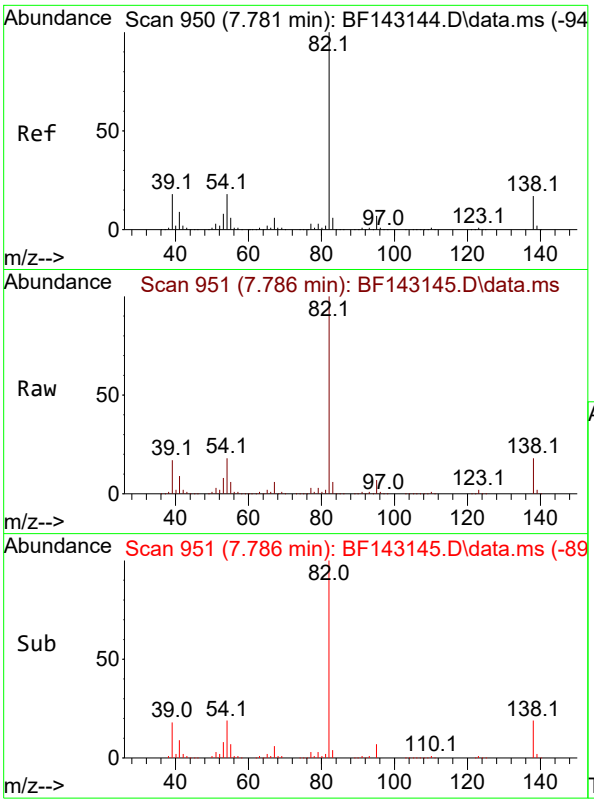


#24
Nitrobenzene
Concen: 51.843 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

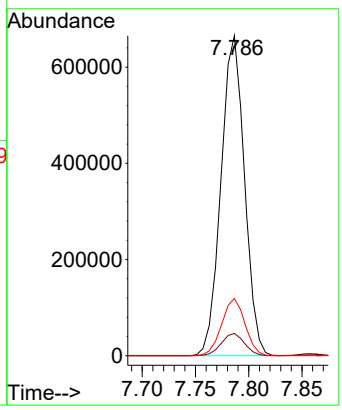
Tgt Ion: 82 Resp: 101878

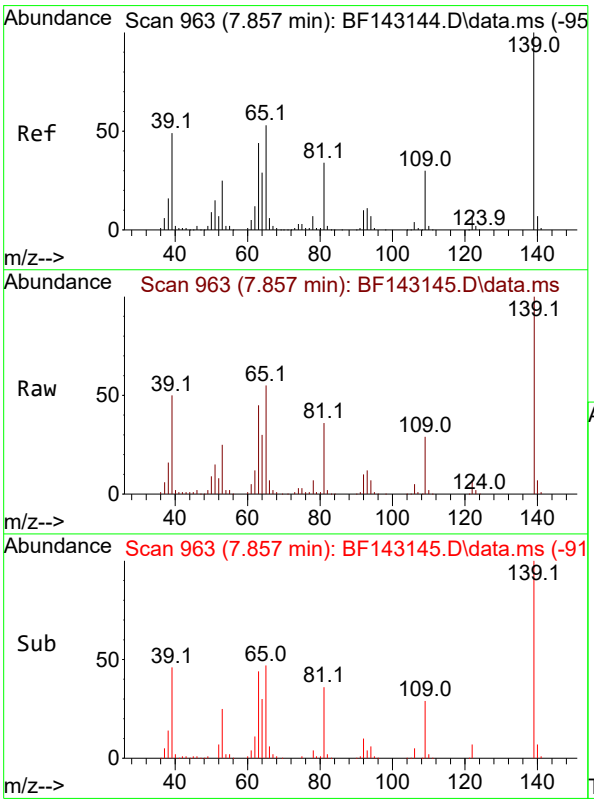
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.5	8.3
138	17.9	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

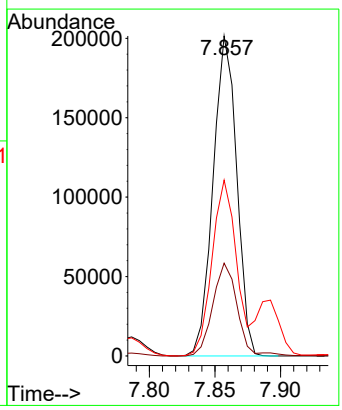


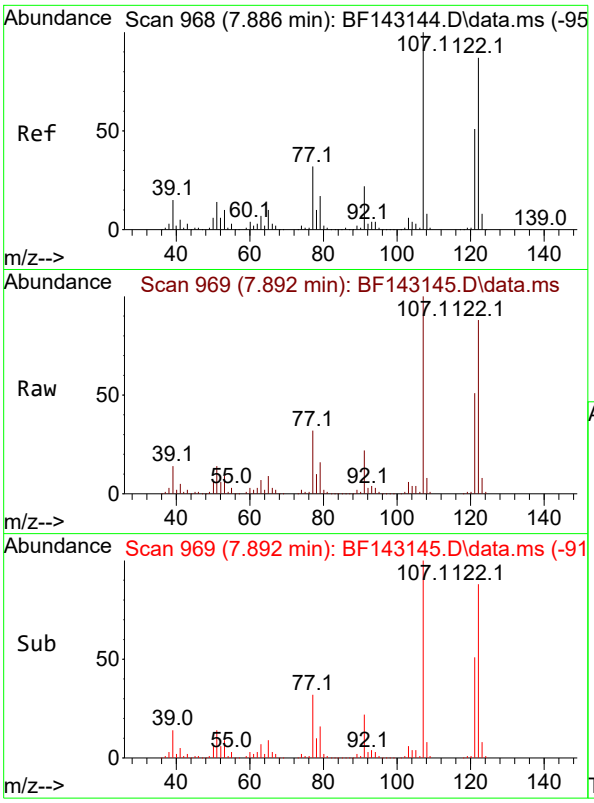


#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

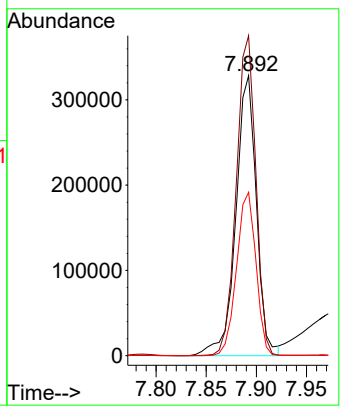
Tgt Ion:122 Resp: 469819

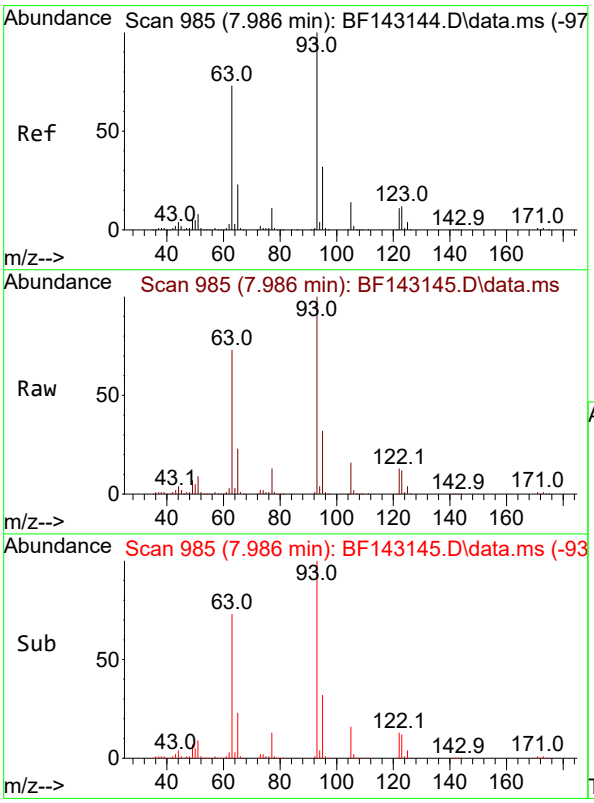
Ion	Ratio	Lower	Upper
122	100		
107	114.3	91.8	137.6
121	58.4	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

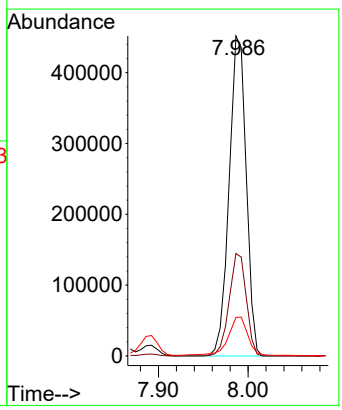


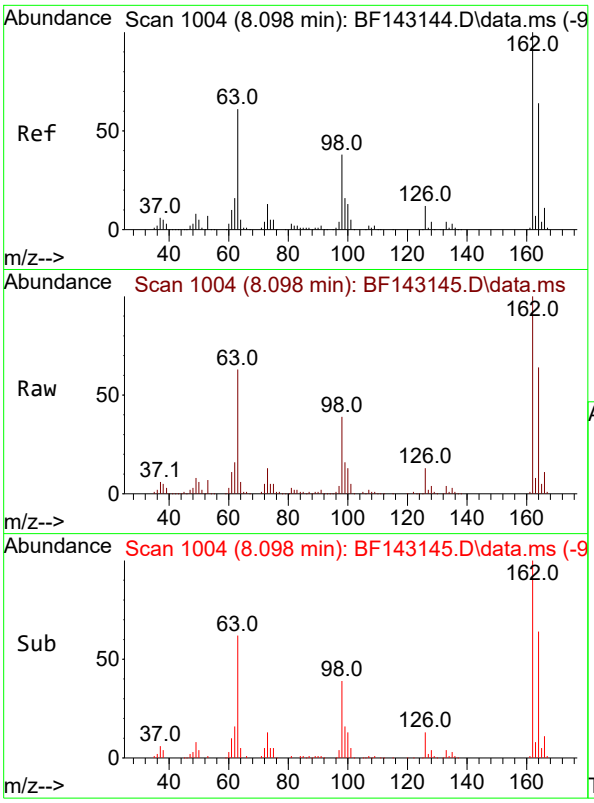


#28
bis(2-Chloroethoxy)methane
Concen: 50.631 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

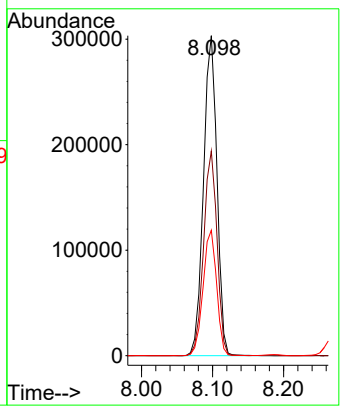
Tgt Ion:162 Resp: 40133(

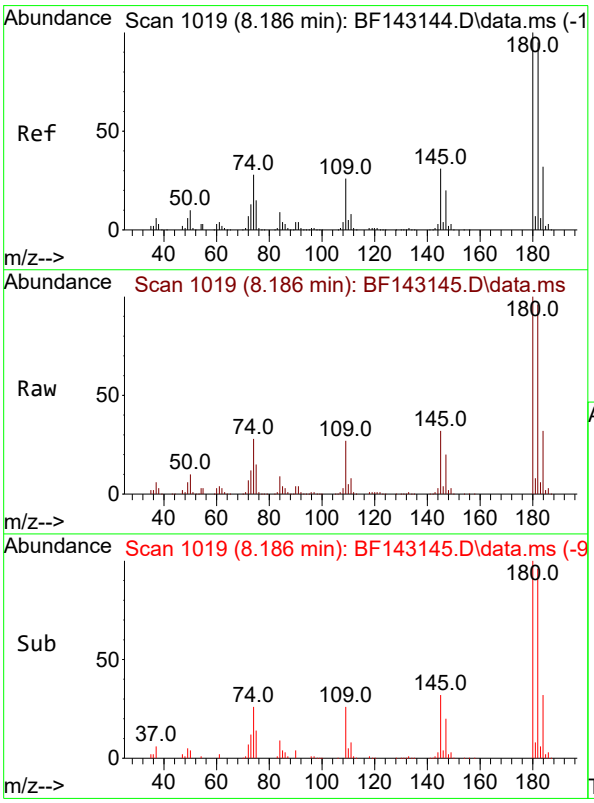
Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.2	84.2
98	39.2	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

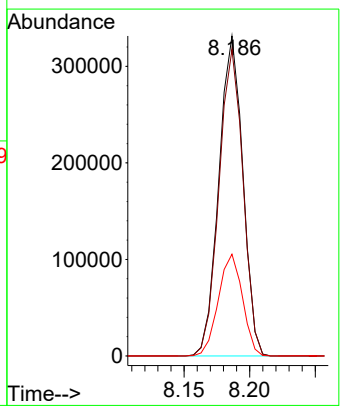


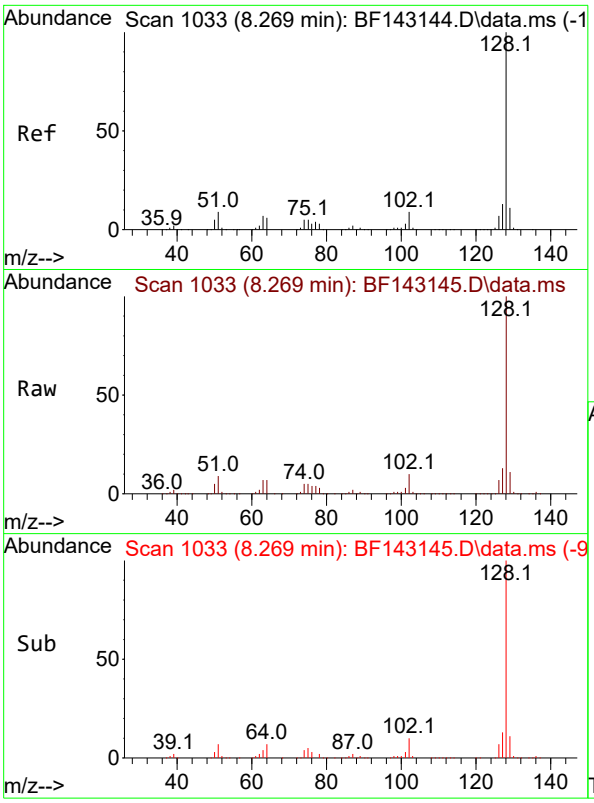


#30
1,2,4-Trichlorobenzene
Concen: 50.242 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

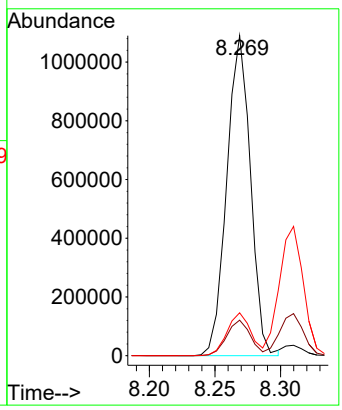
Tgt Ion:128 Resp: 136962

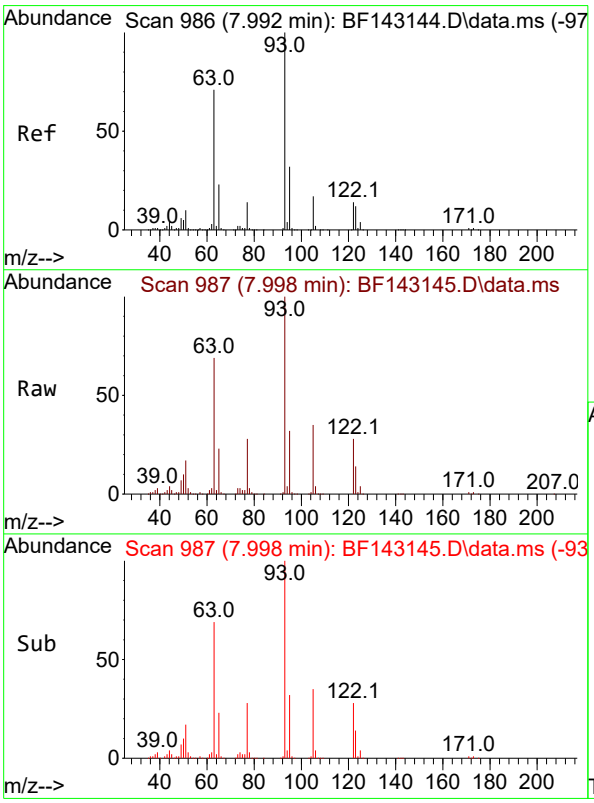
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.4	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

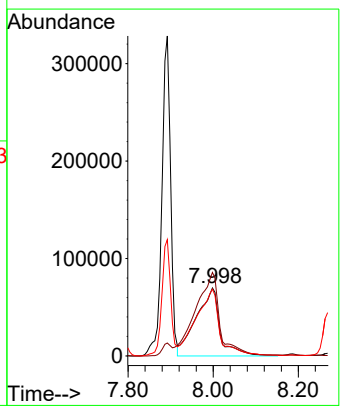


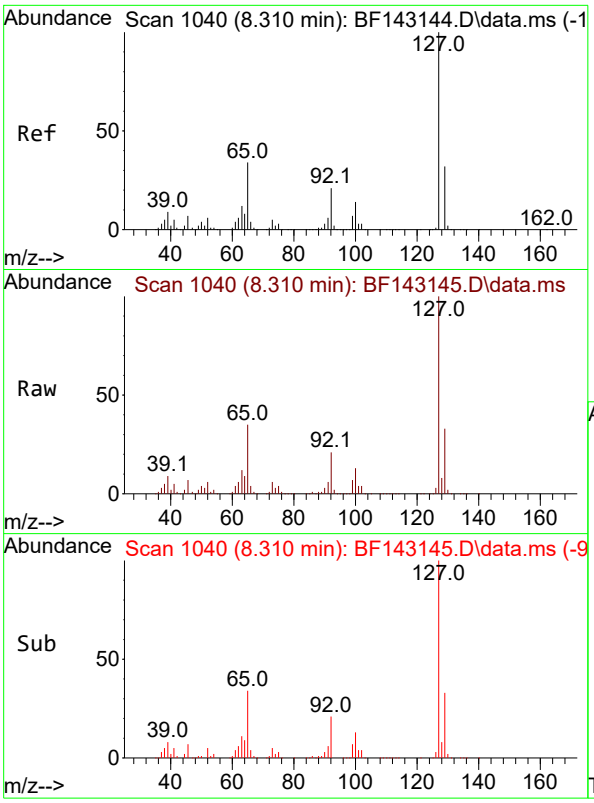


#32
Benzoic acid
Concen: 52.352 ng m
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

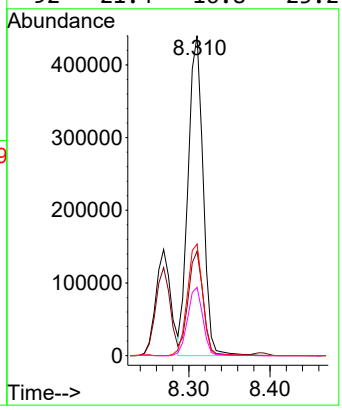
Tgt Ion:127 Resp: 56642

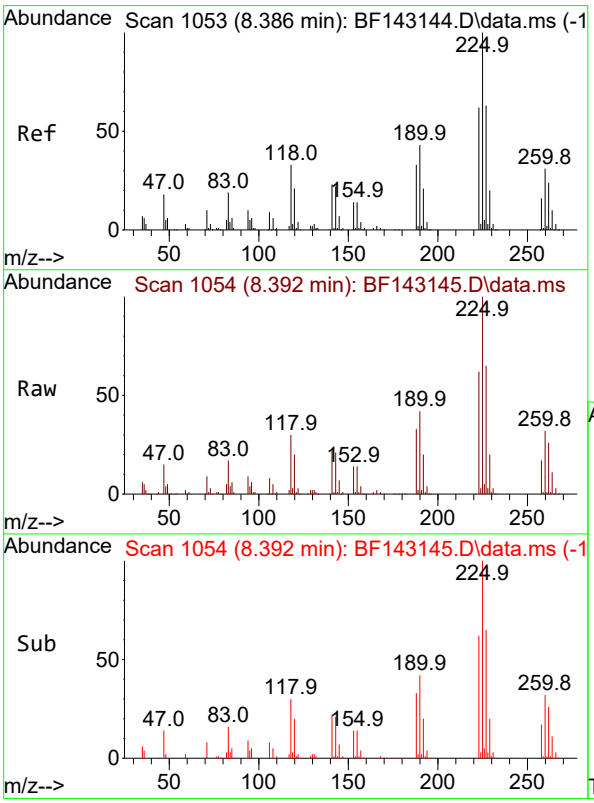
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	34.9	27.4	41.2
92	21.4	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

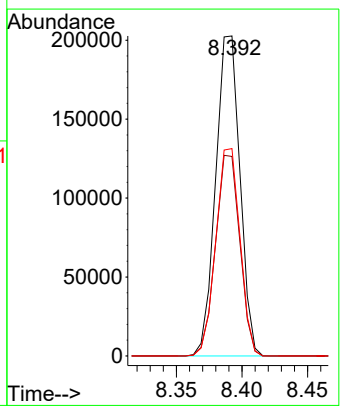


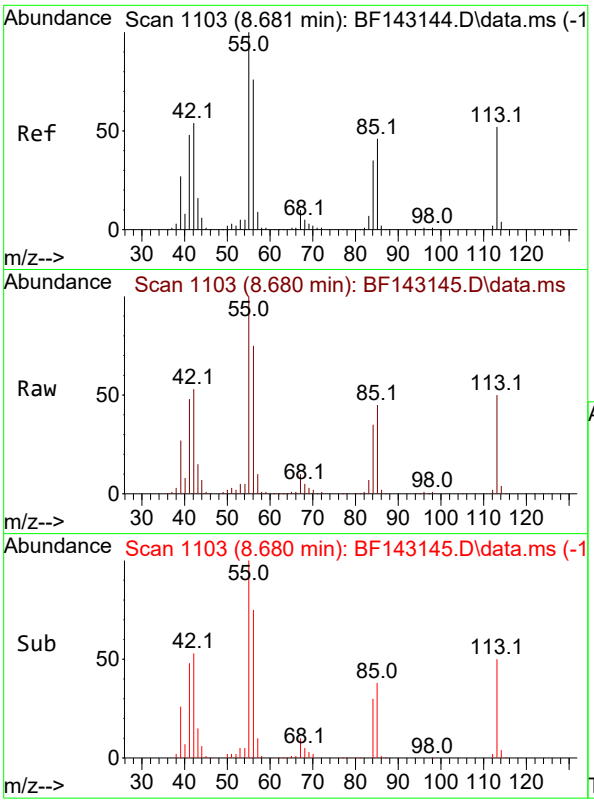


#34
Hexachlorobutadiene
Concen: 50.976 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

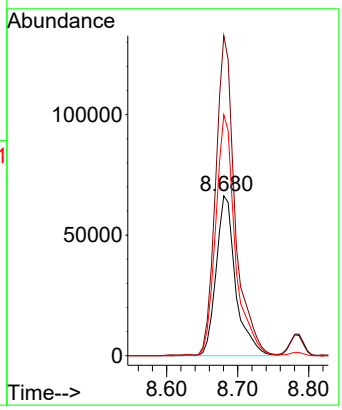
Tgt Ion:113 Resp: 12605

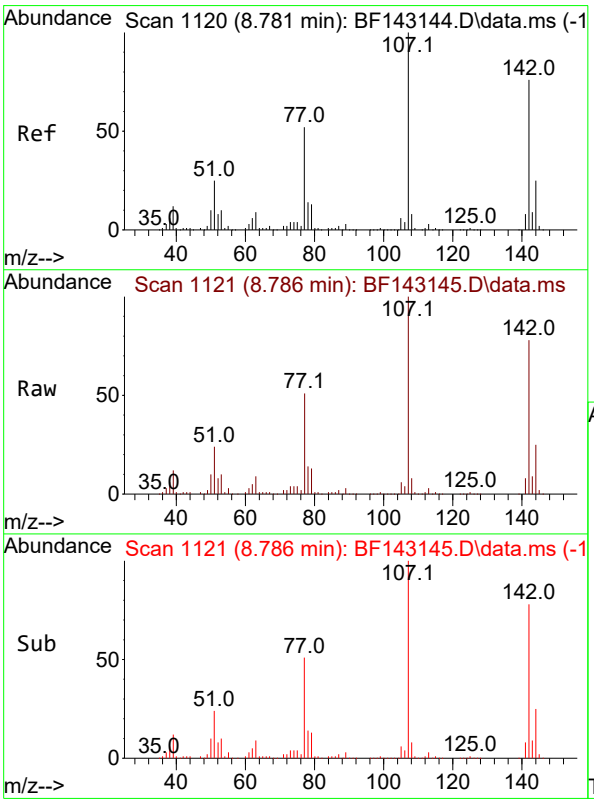
Ion	Ratio	Lower	Upper
113	100		
55	200.3	174.0	214.0
56	150.8	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

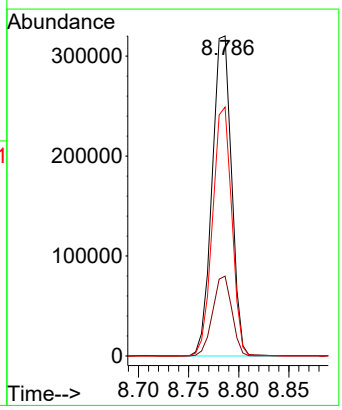


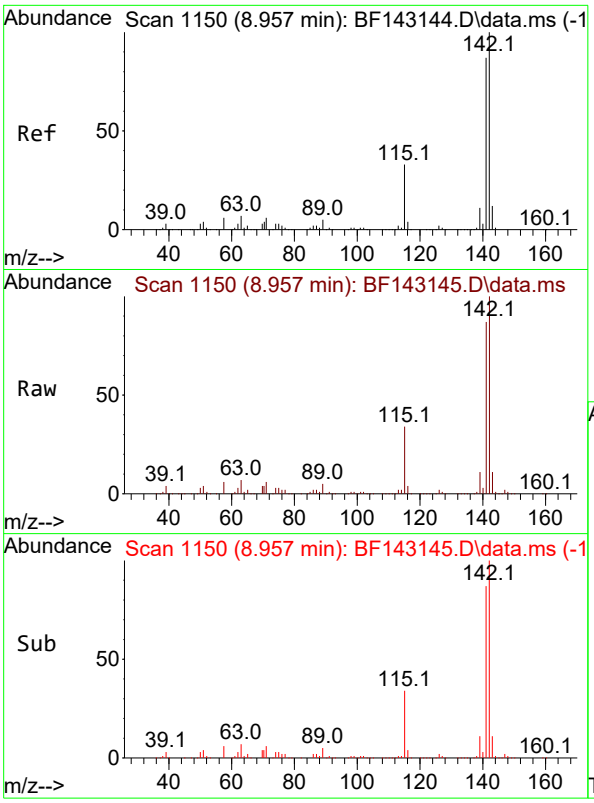


#36
4-Chloro-3-methylphenol
Concen: 51.242 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

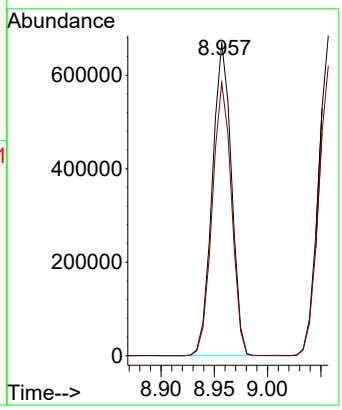
Tgt Ion:142 Resp: 83782

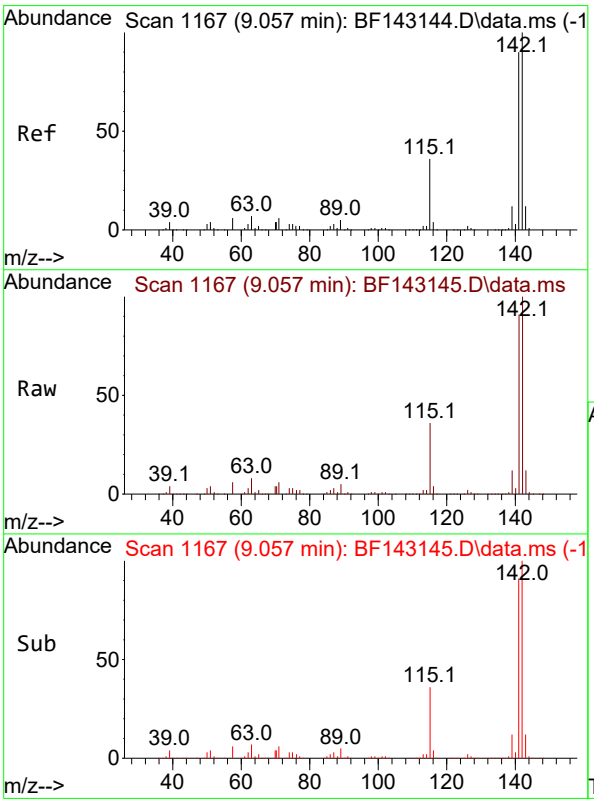
Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

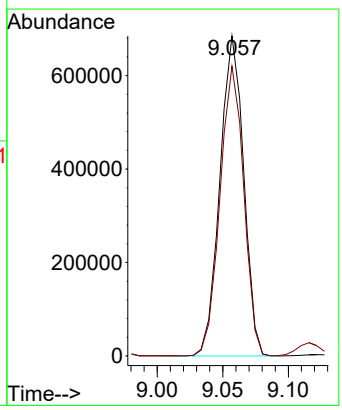


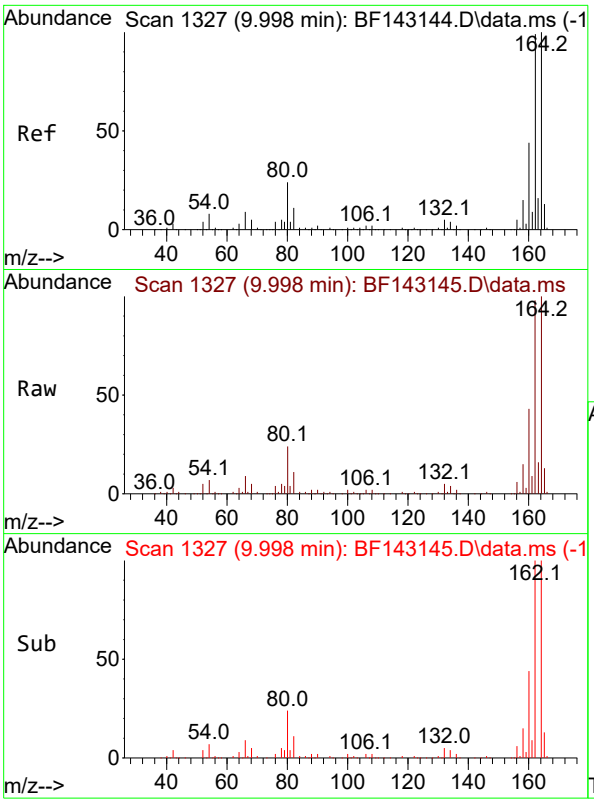


#38
1-Methylnaphthalene
Concen: 50.298 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

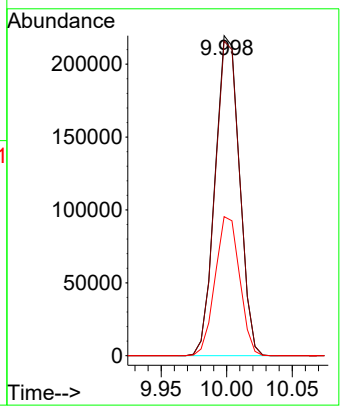
Tgt Ion:164 Resp: 28365

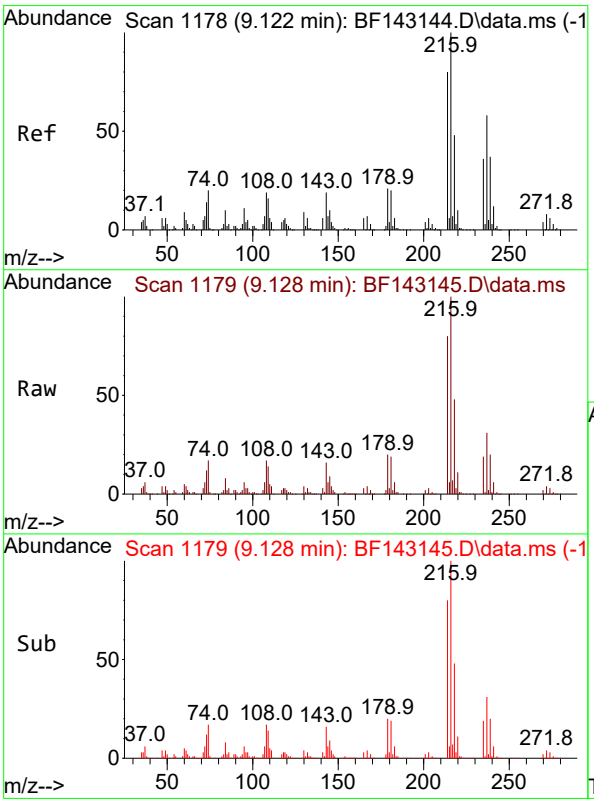
Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	43.5	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

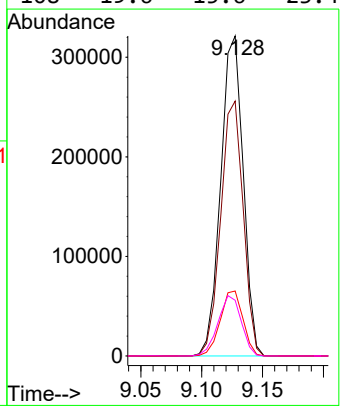


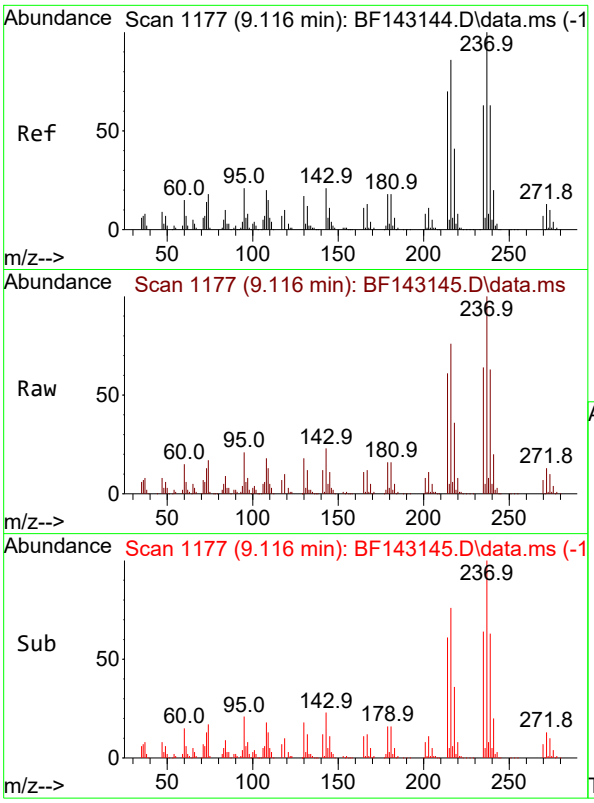


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.420 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

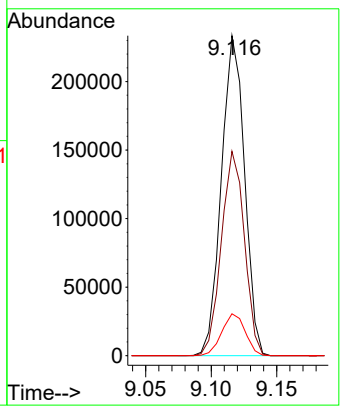
Tgt Ion:237 Resp: 28680

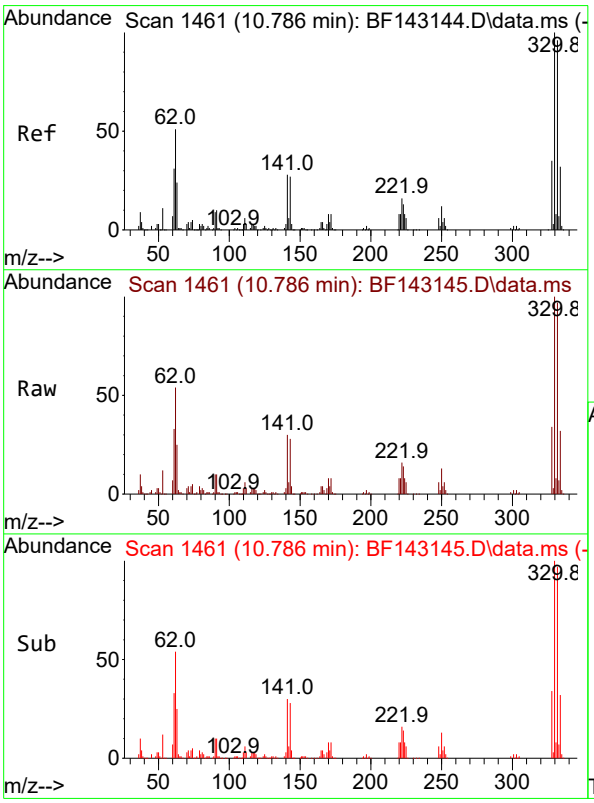
Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.0	83.0
272	13.1	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

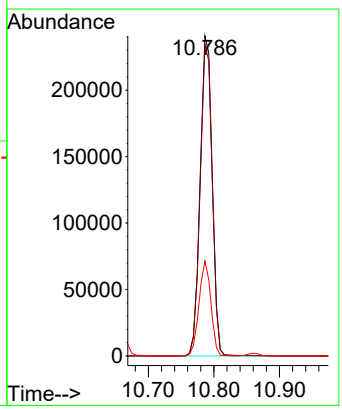


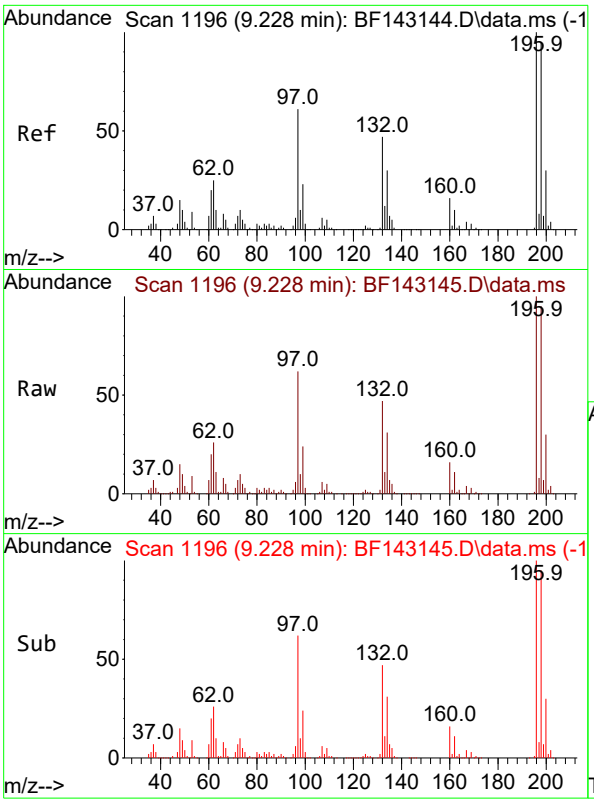


#42
2,4,6-Tribromophenol
Concen: 105.607 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

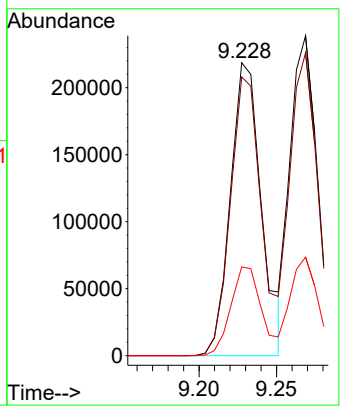
Tgt Ion:196 Resp: 30446

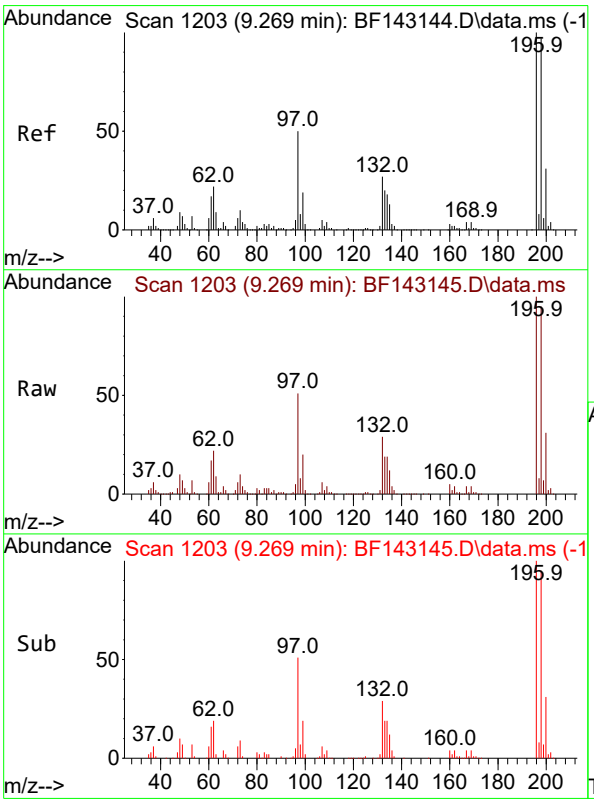
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.3	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

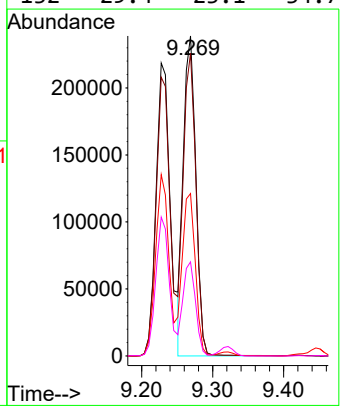


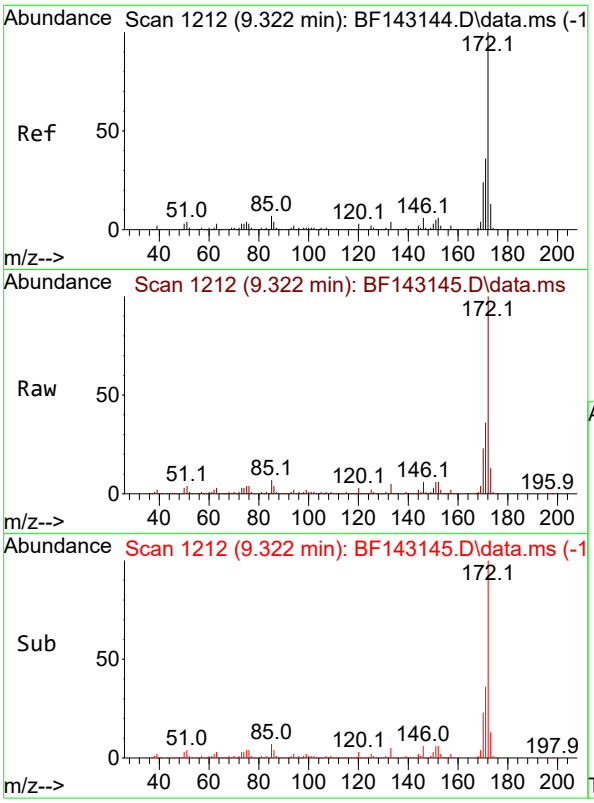


#44
2,4,5-Trichlorophenol
Concen: 51.434 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

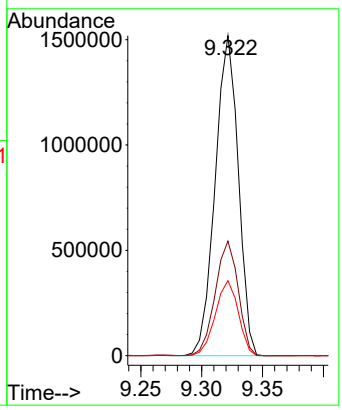
Tgt Ion:172 Resp: 200589

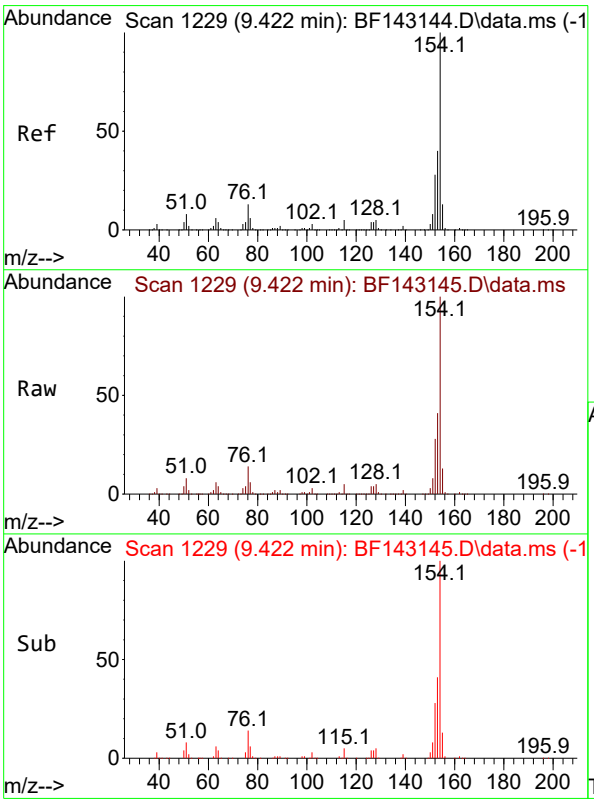
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.5	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

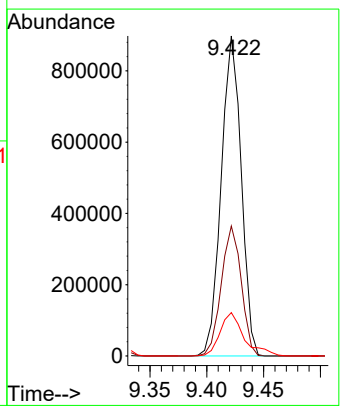


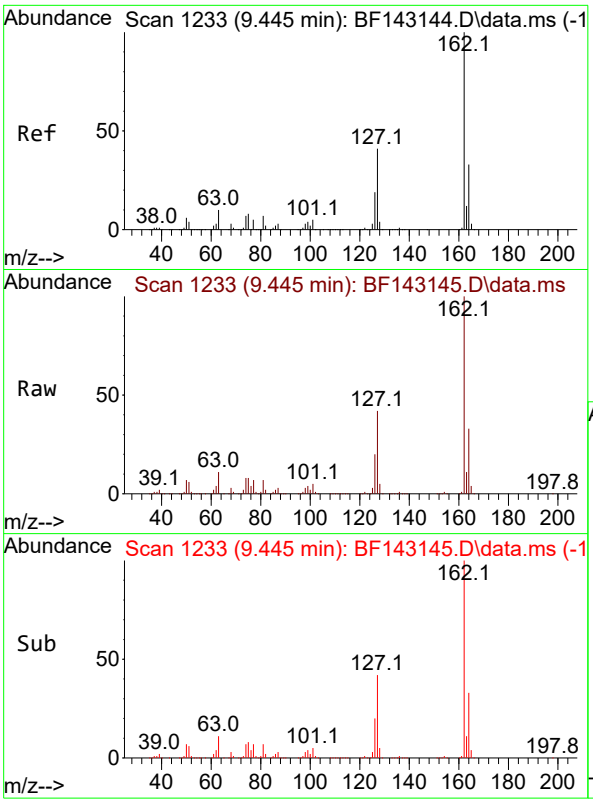


#46
1,1'-Biphenyl
Concen: 49.764 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

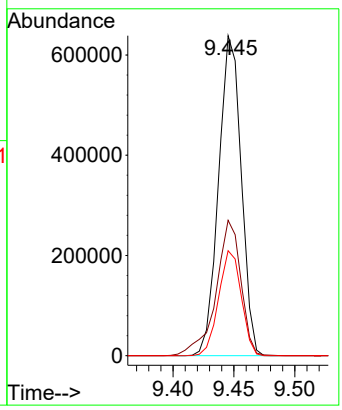
Tgt Ion:162 Resp: 826749

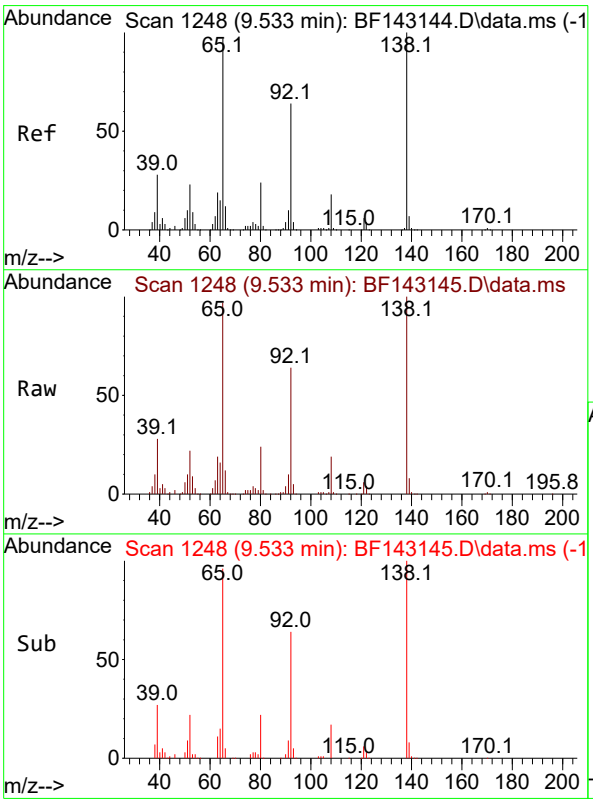
Ion	Ratio	Lower	Upper
162	100		
127	42.3	33.4	50.2
164	32.8	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

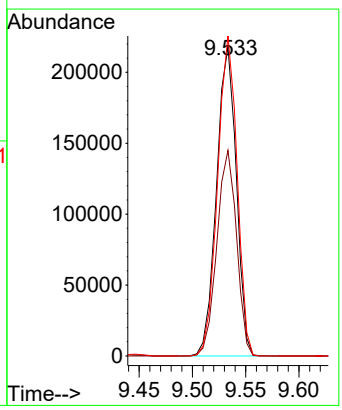


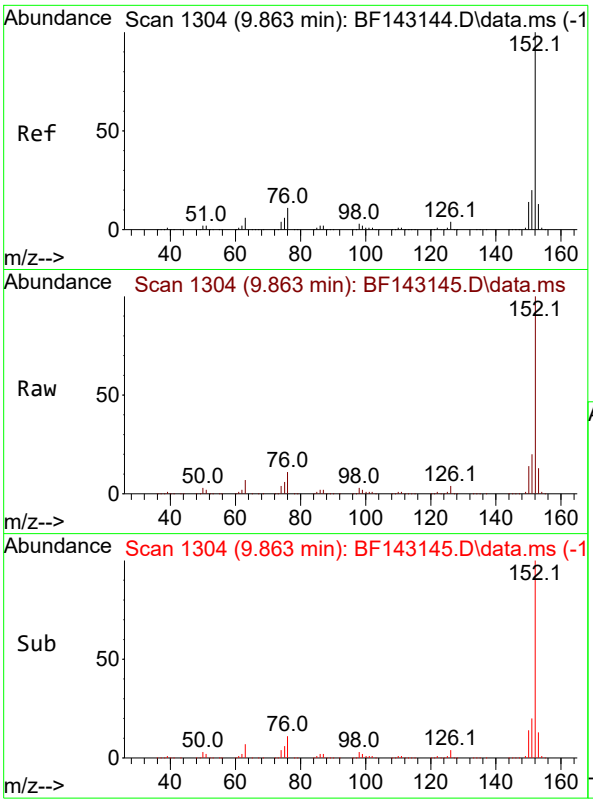


#48
2-Nitroaniline
Concen: 54.736 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

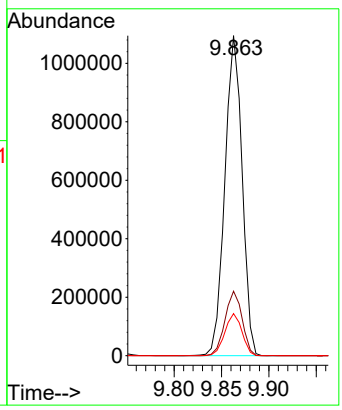
Tgt Ion:152 Resp: 138872

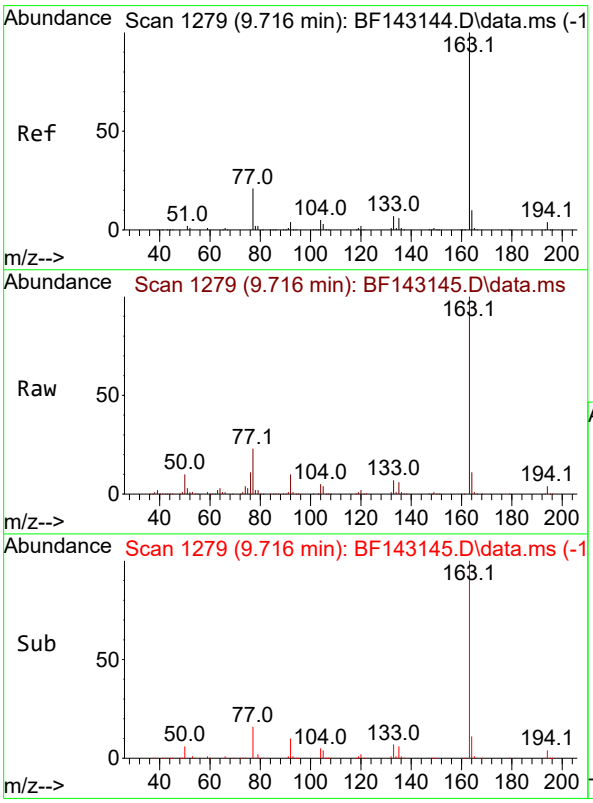
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

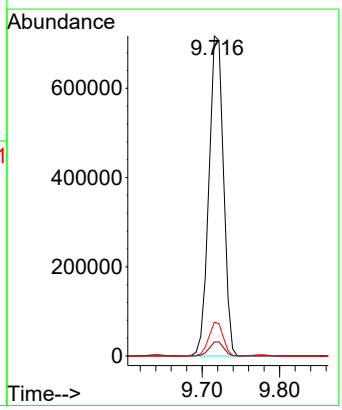


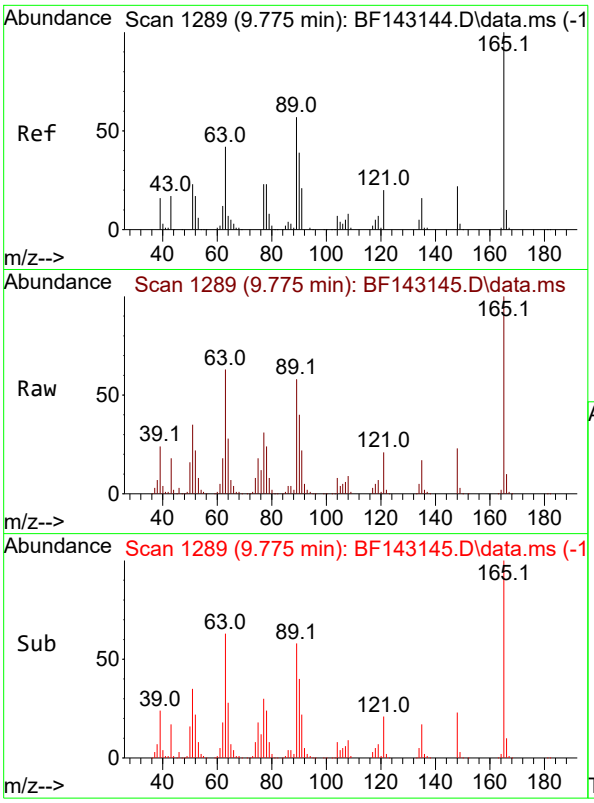


#50
Dimethylphthalate
Concen: 50.832 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

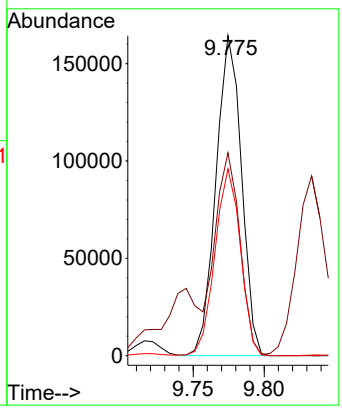
Tgt Ion:165 Resp: 20514

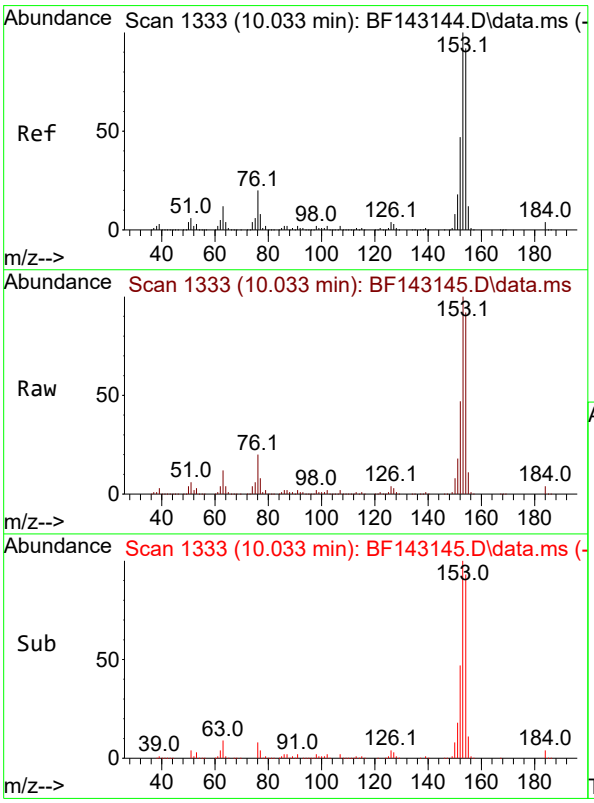
Ion	Ratio	Lower	Upper
165	100		
63	63.4	49.4	74.2
89	58.4	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

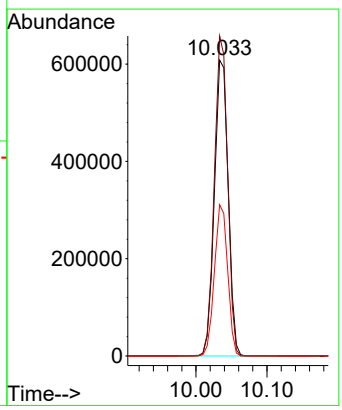


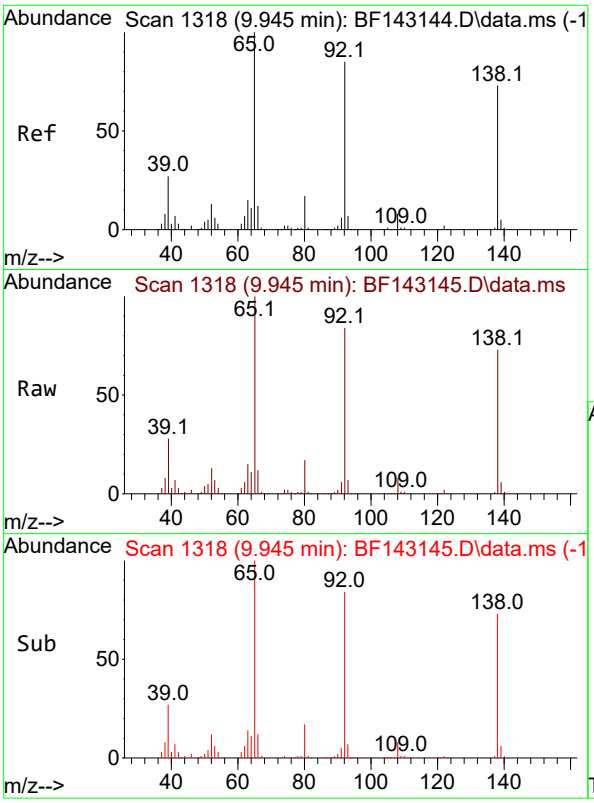


#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

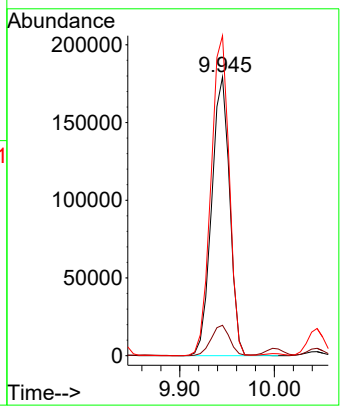
Tgt Ion:138 Resp: 236959

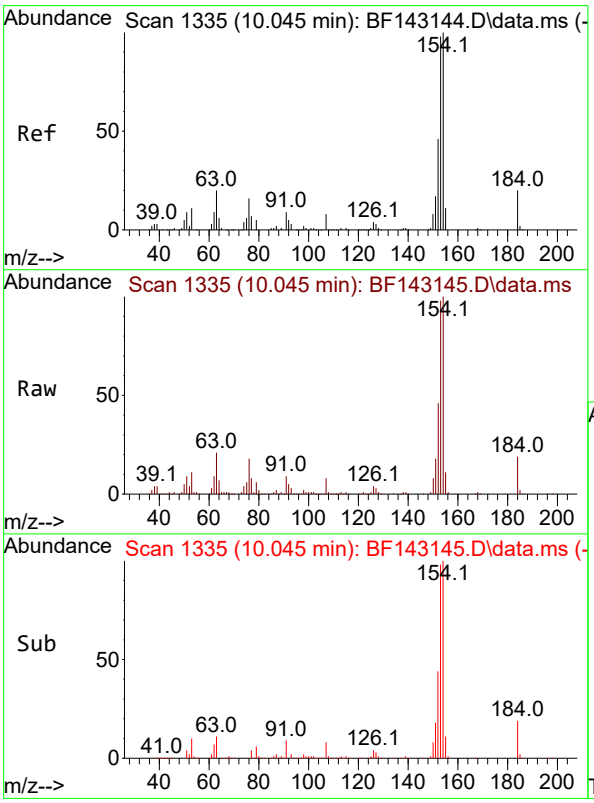
Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.6
92	114.8	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

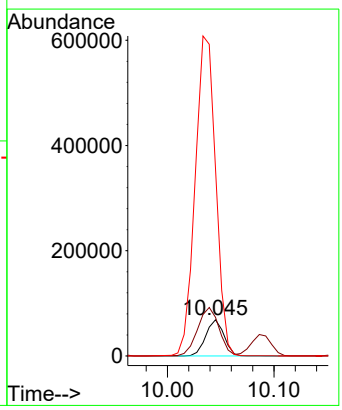


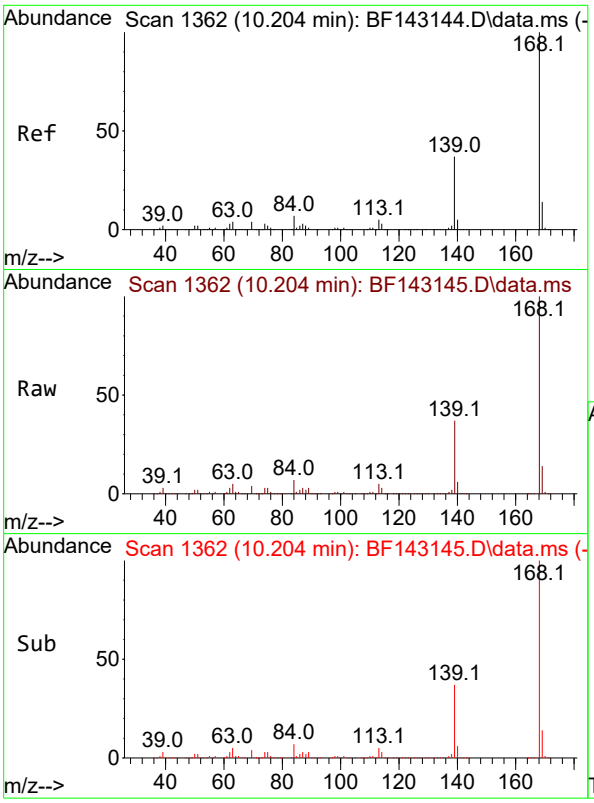


#54
2,4-Dinitrophenol
Concen: 50.750 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

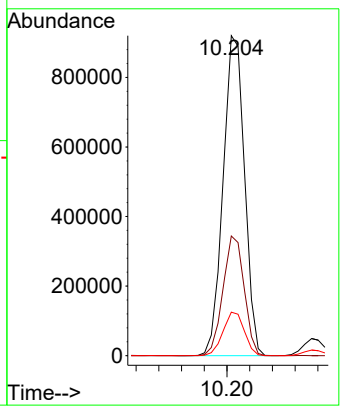
Tgt Ion:168 Resp: 120408

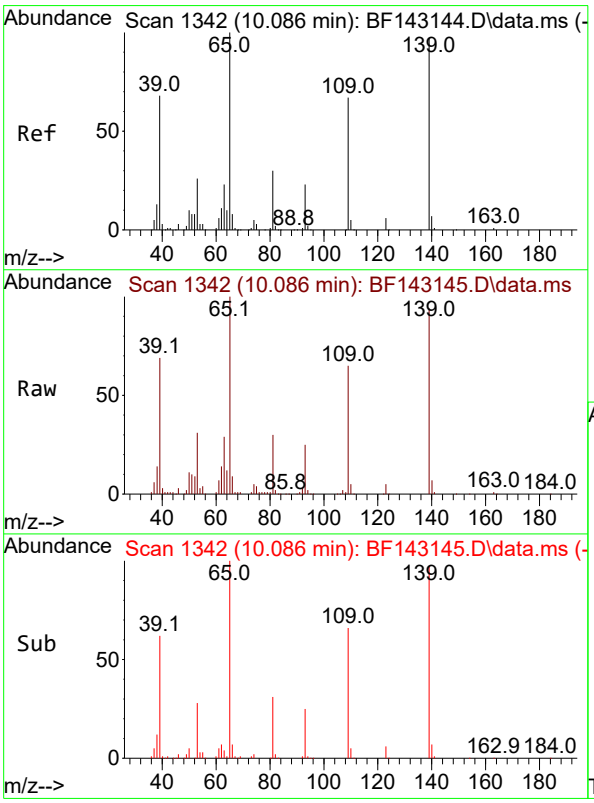
Ion	Ratio	Lower	Upper
168	100		
139	37.4	29.5	44.3
169	13.6	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

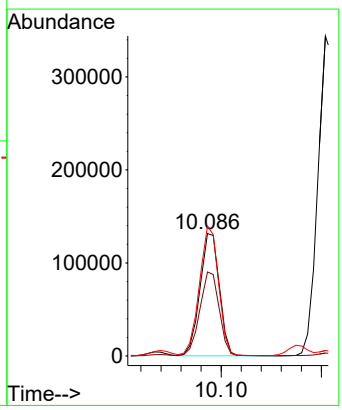


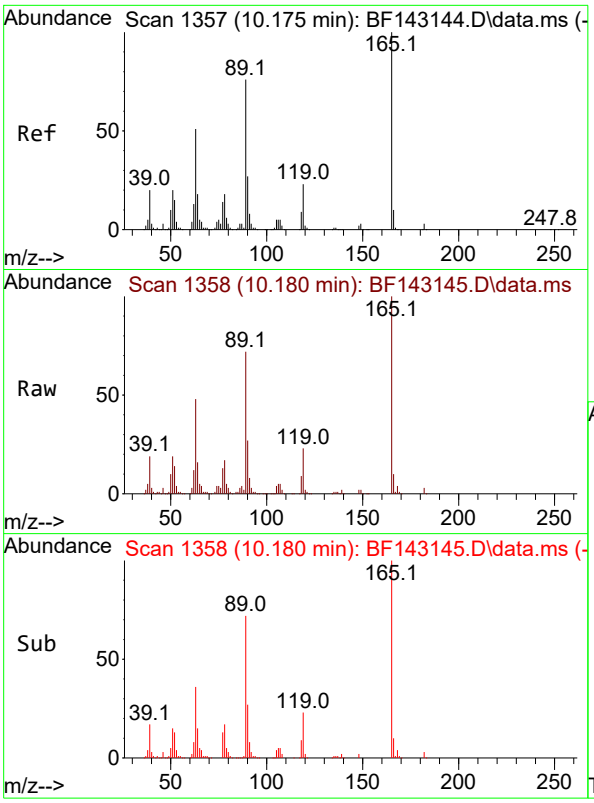


#56
4-Nitrophenol
Concen: 54.001 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

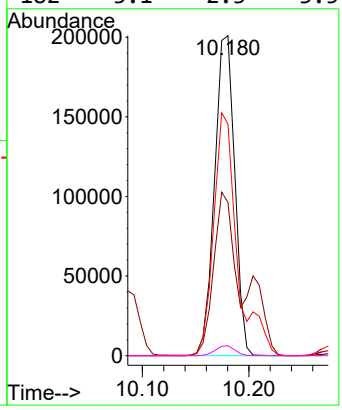
Tgt Ion:165 Resp: 26404

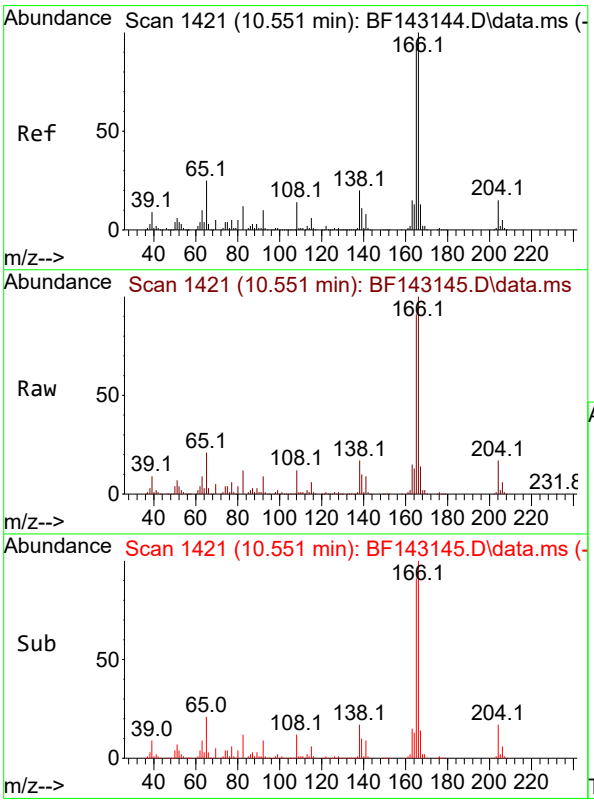
Ion	Ratio	Lower	Upper
165	100		
63	47.9	41.0	61.4
89	72.4	61.1	91.7
182	3.1	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

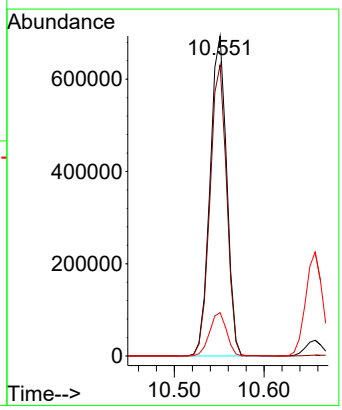


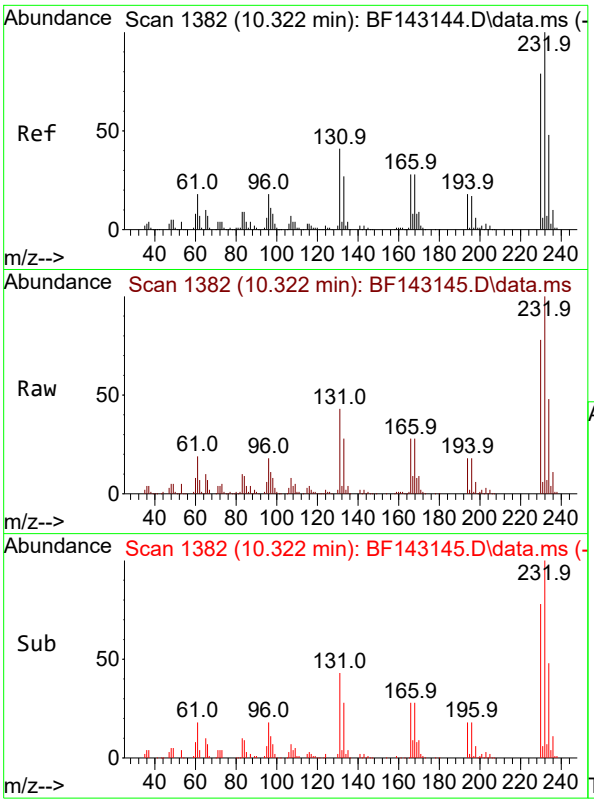


#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

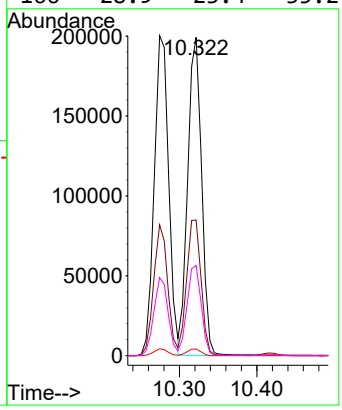
Tgt Ion:232 Resp: 24874

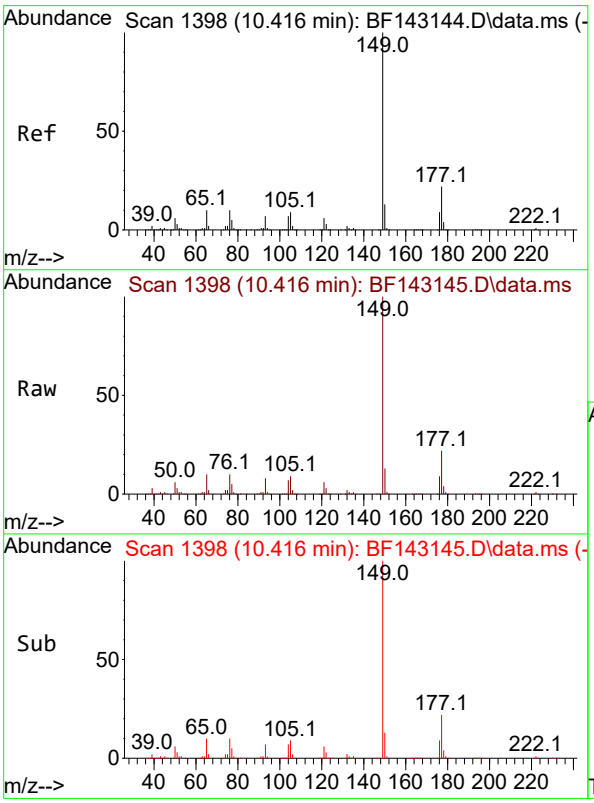
Ion	Ratio	Lower	Upper
232	100		
131	44.3	35.3	52.9
130	2.1	1.7	2.5
166	28.9	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

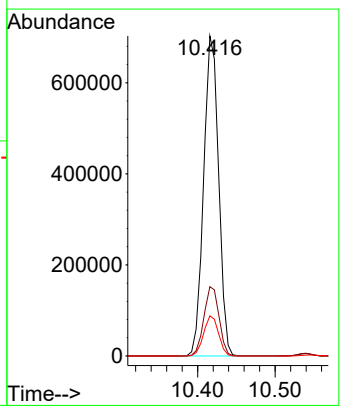


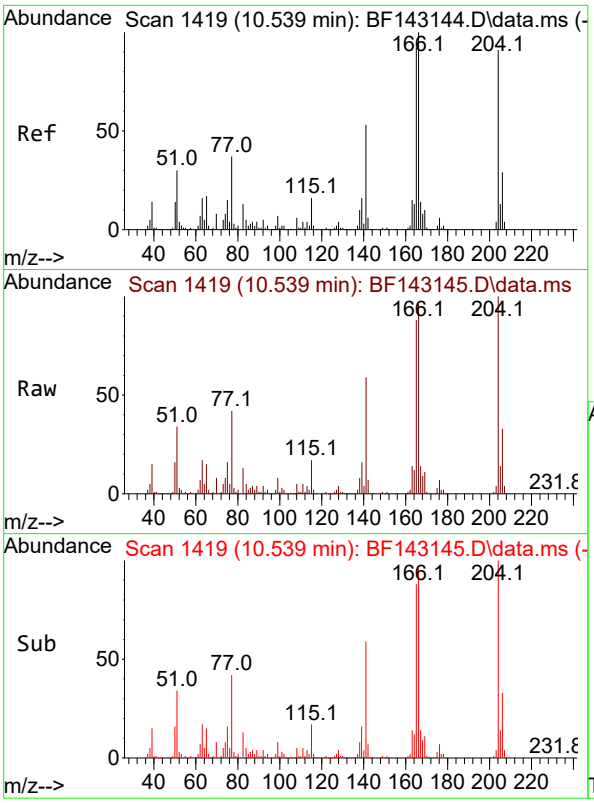


#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

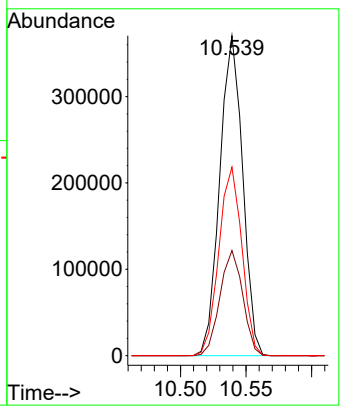
Tgt Ion:204 Resp: 449168

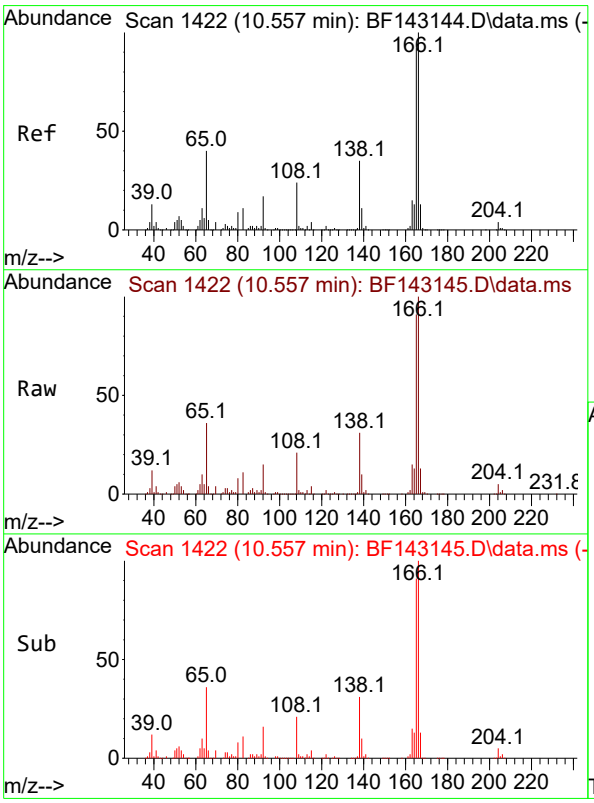
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.8
141	58.9	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

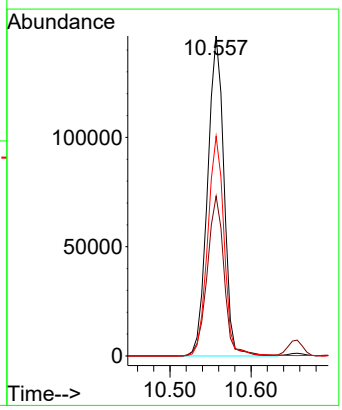


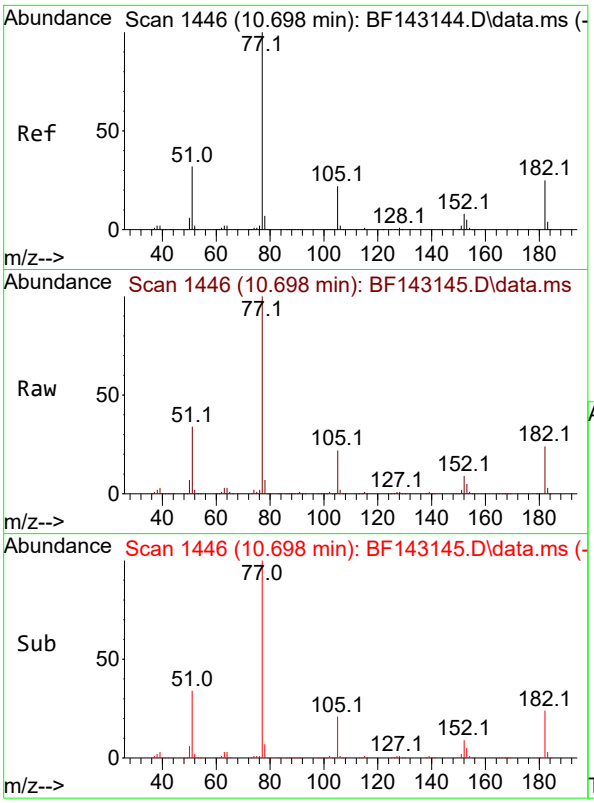


#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

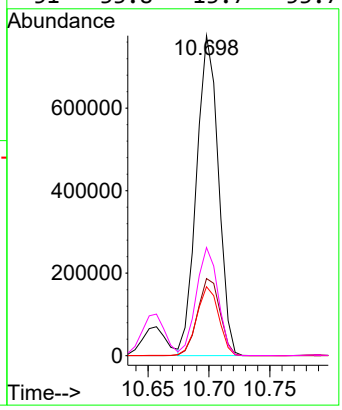




#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion: 77 Resp: 96693

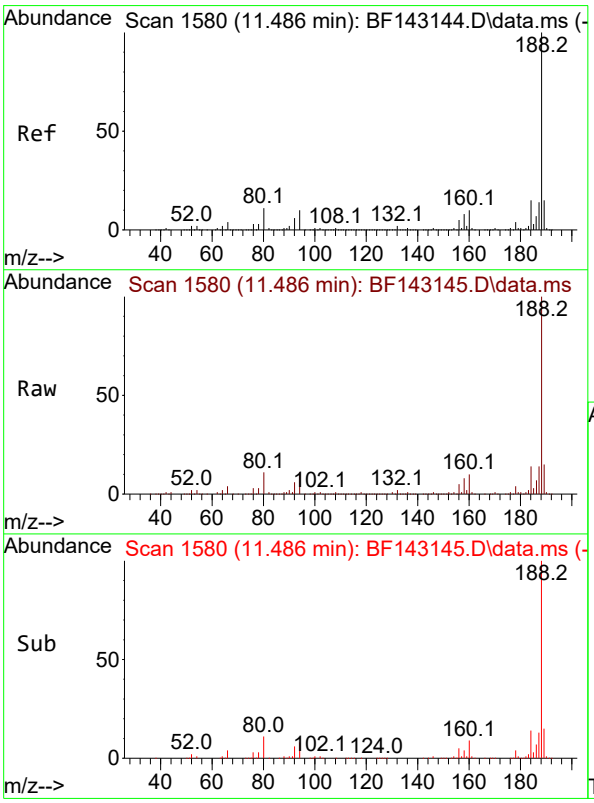
Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.6	44.6
105	21.6	1.4	41.4
51	33.8	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

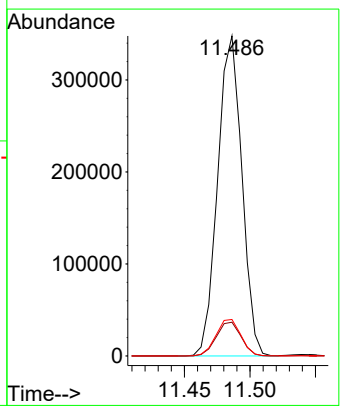
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

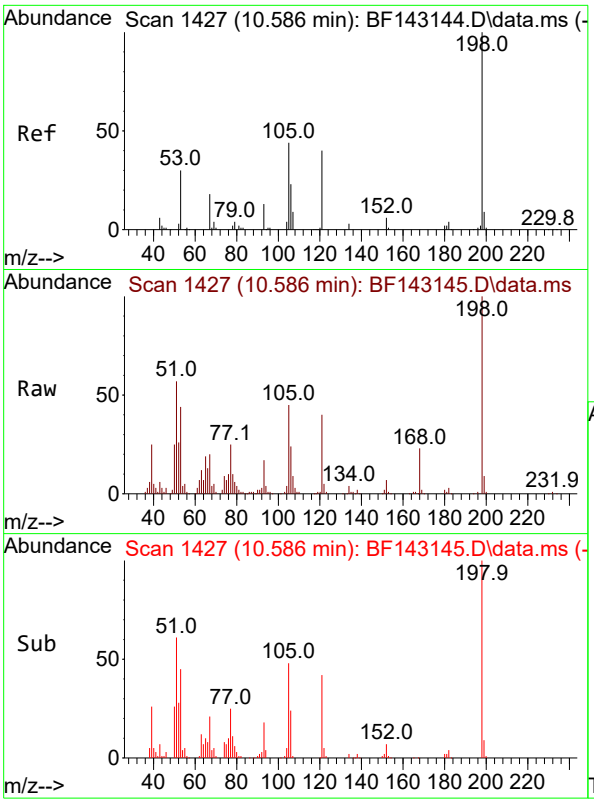


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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# 1
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

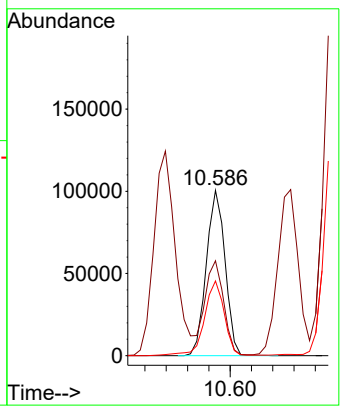
Tgt Ion:198 Resp: 12287

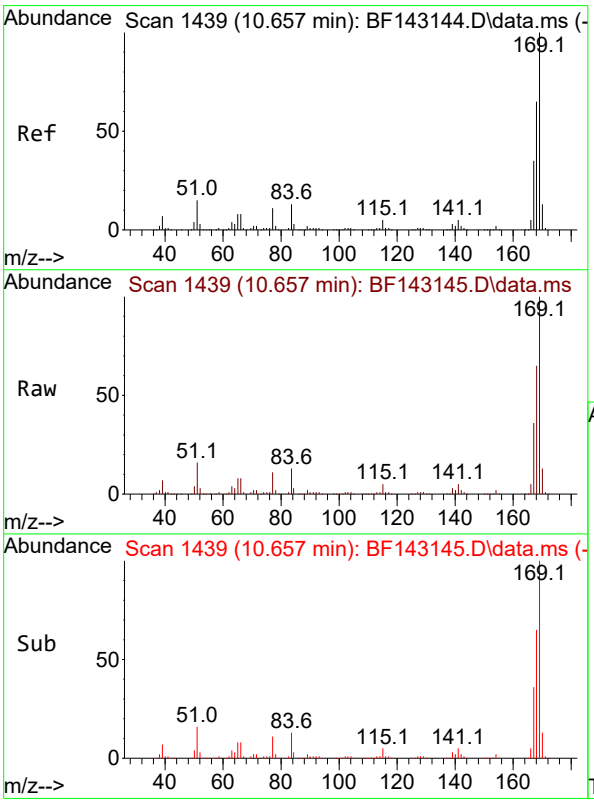
Ion	Ratio	Lower	Upper
198	100		
51	57.3	37.2	77.2
105	45.1	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

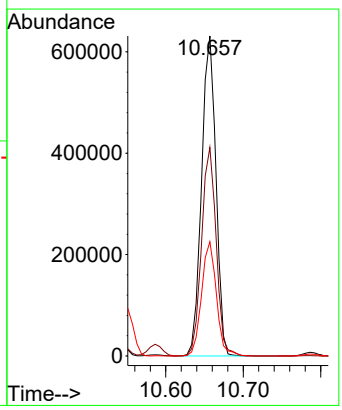


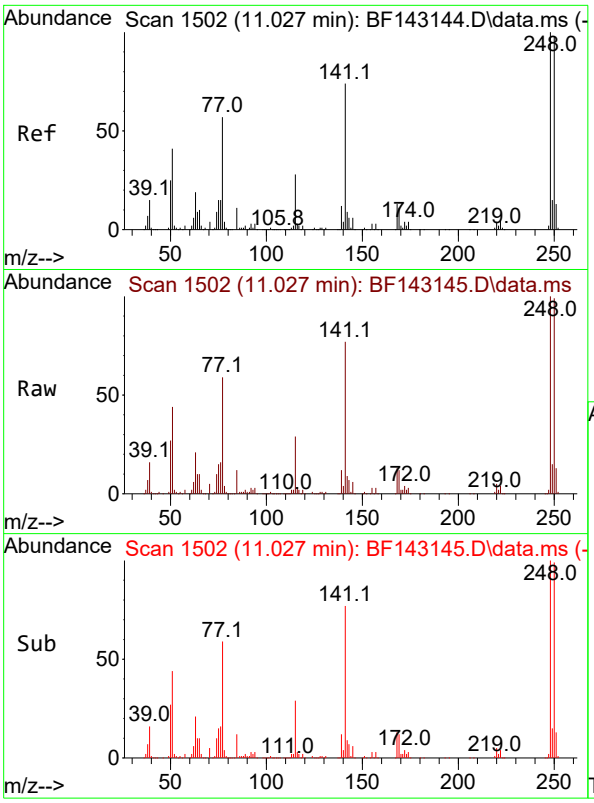


#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

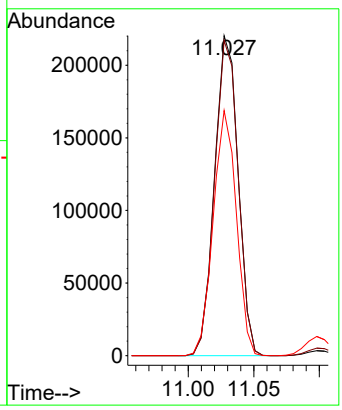
Tgt Ion:248 Resp: 27567

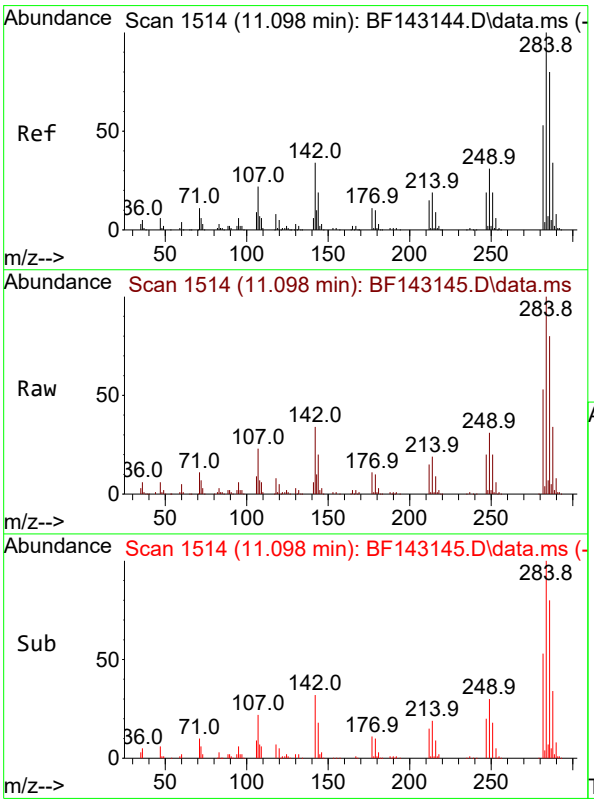
Ion	Ratio	Lower	Upper
248	100		
250	98.5	78.3	117.5
141	76.6	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

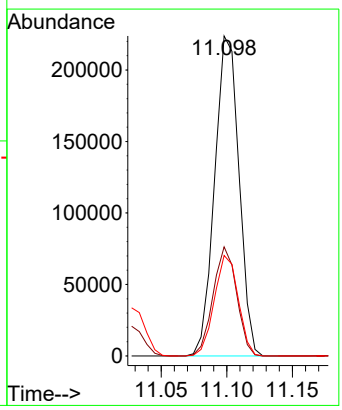


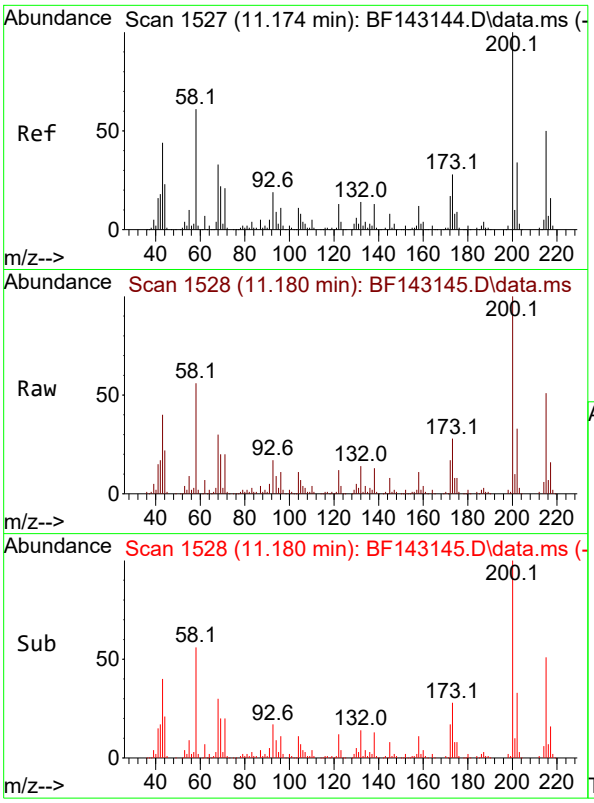


#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

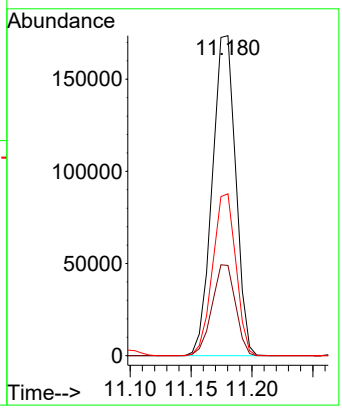
Tgt Ion:200 Resp: 23290

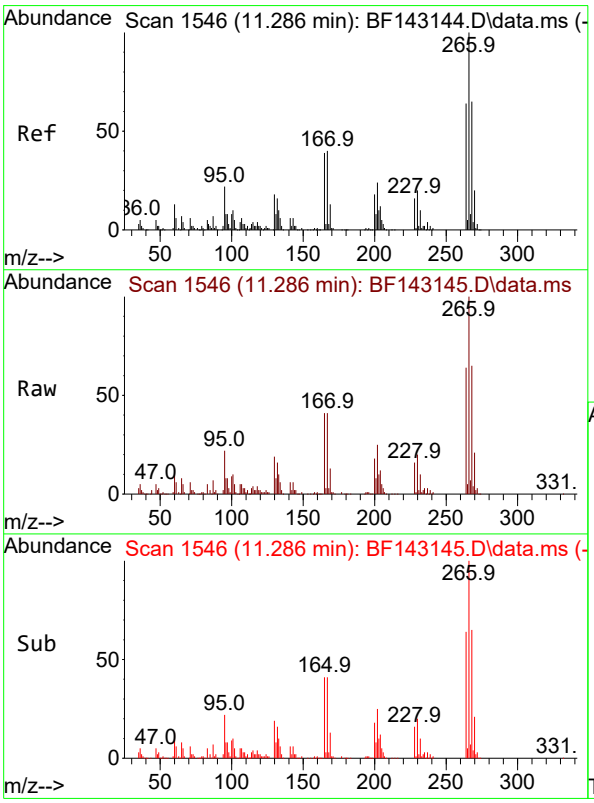
Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.9	47.9
215	50.6	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

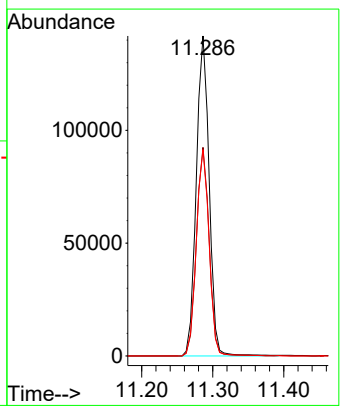


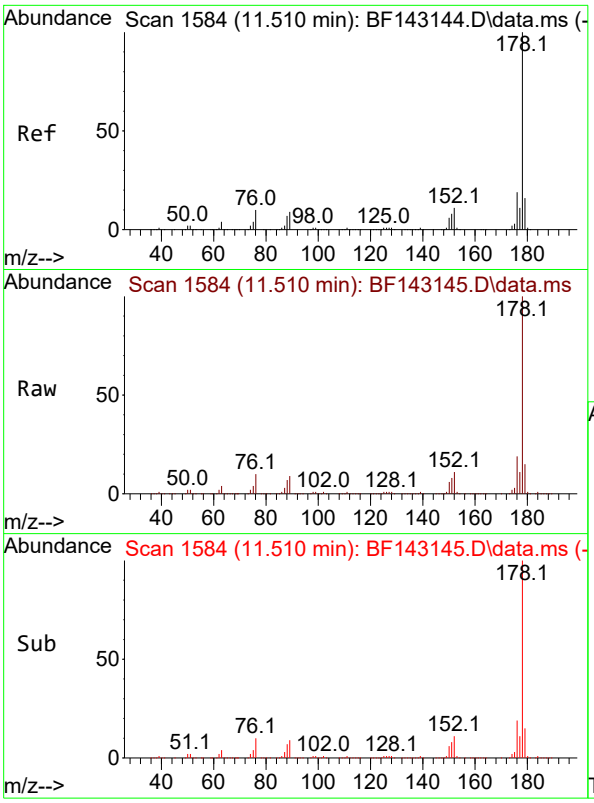


#70
Pentachlorophenol
Concen: 54.581 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

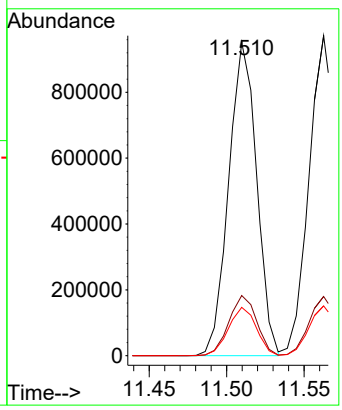
Tgt Ion:178 Resp: 119458

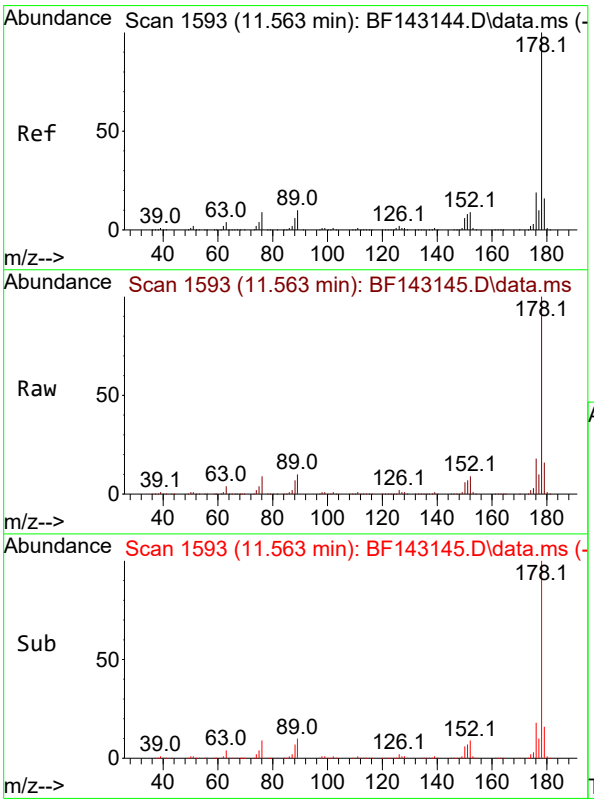
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.4	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

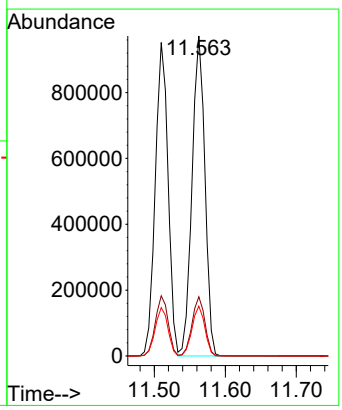


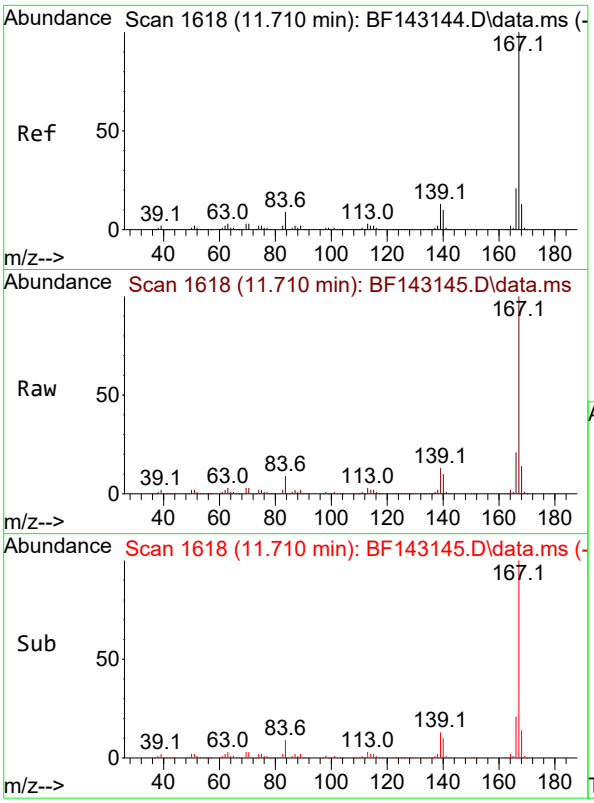


#72
Anthracene
Concen: 50.552 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

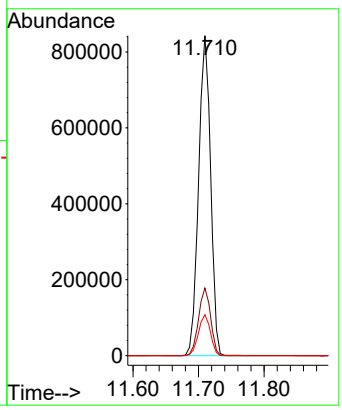
Tgt Ion:167 Resp: 107680

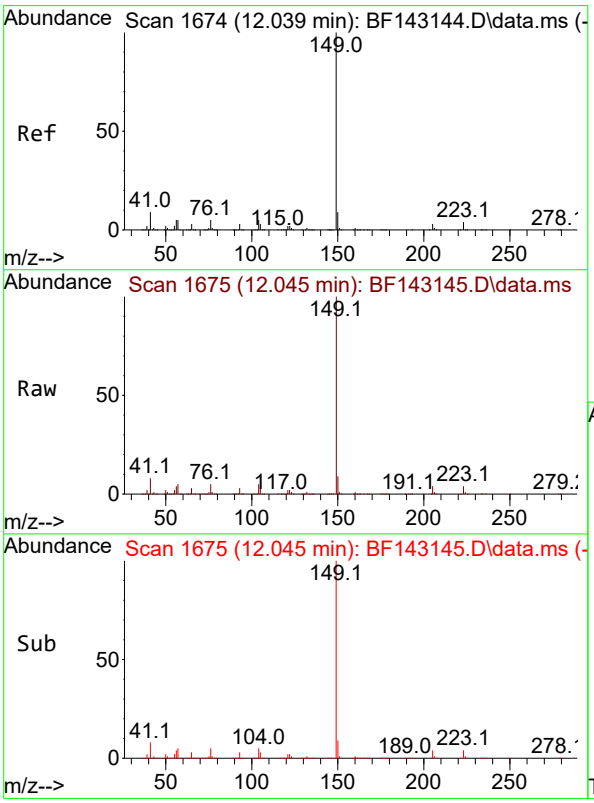
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.8	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

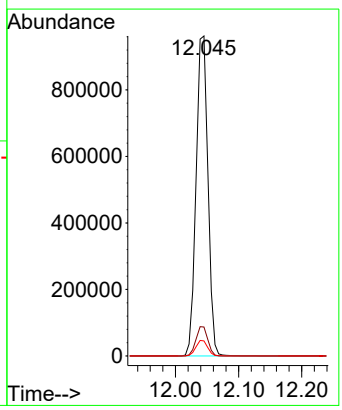


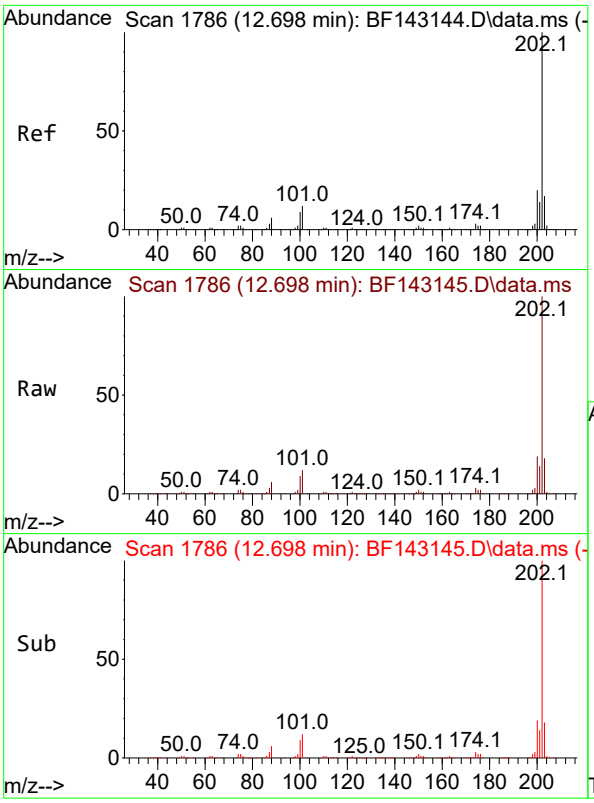


#74
Di-n-butylphthalate
Concen: 52.290 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

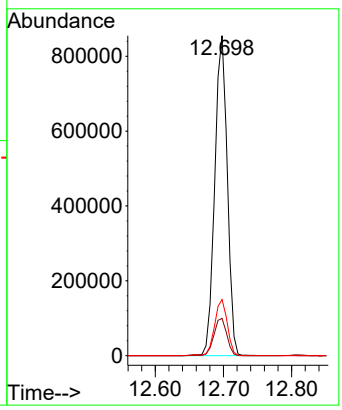
Tgt Ion:202 Resp: 109389

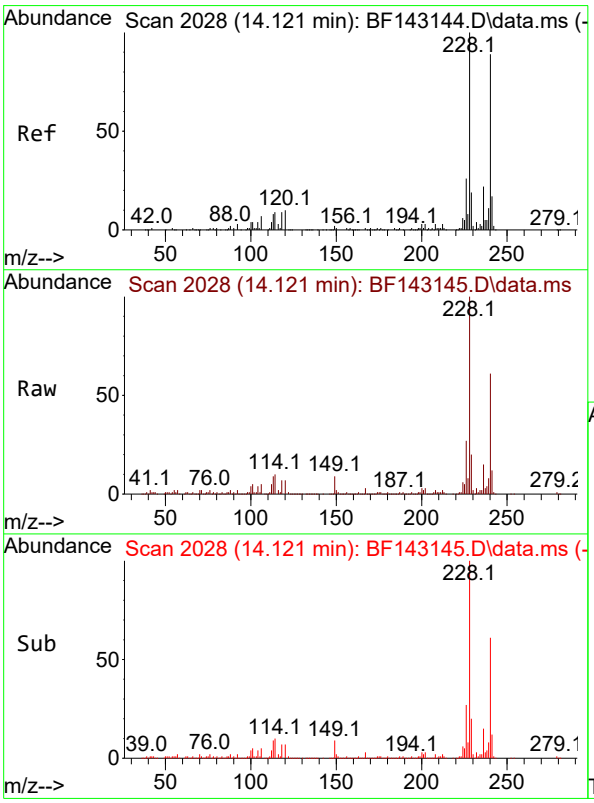
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	31.7
203	17.6	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

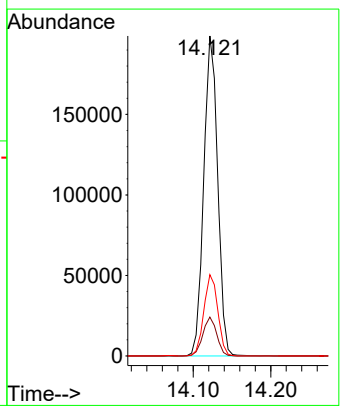


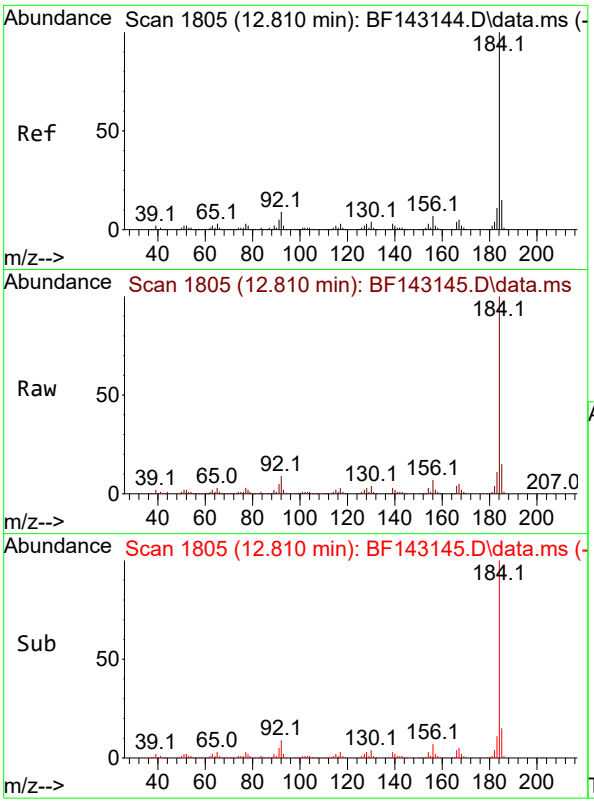


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

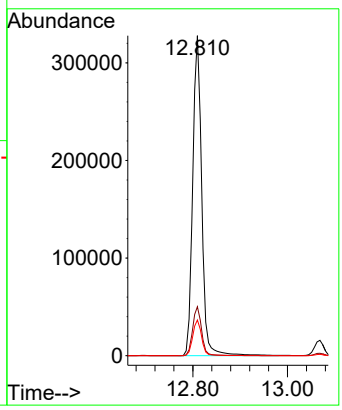
Tgt Ion:184 Resp: 43194

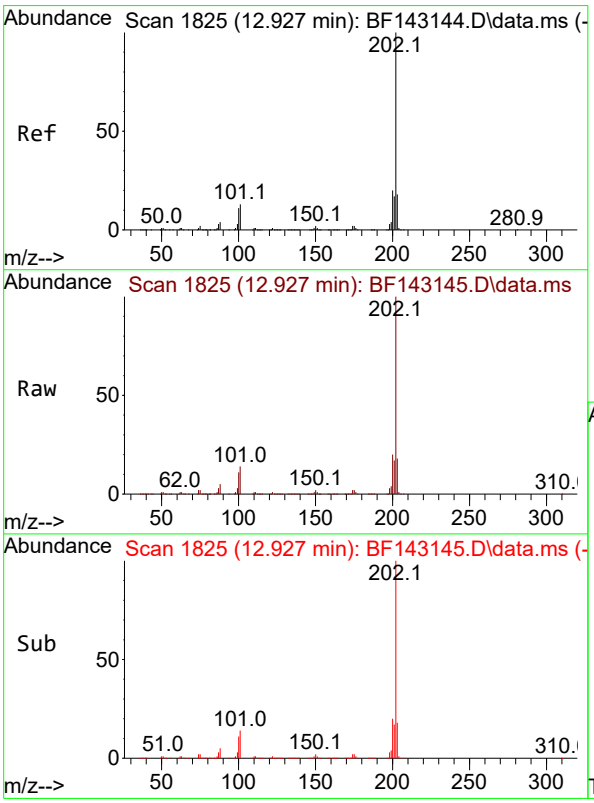
Ion	Ratio	Lower	Upper
184	100		
185	15.3	12.2	18.4
183	11.2	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

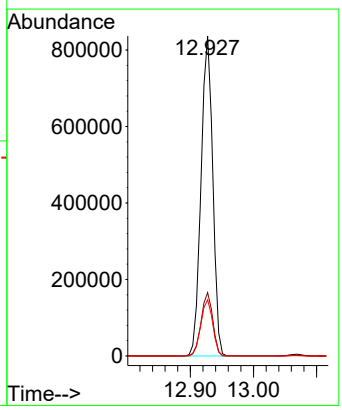


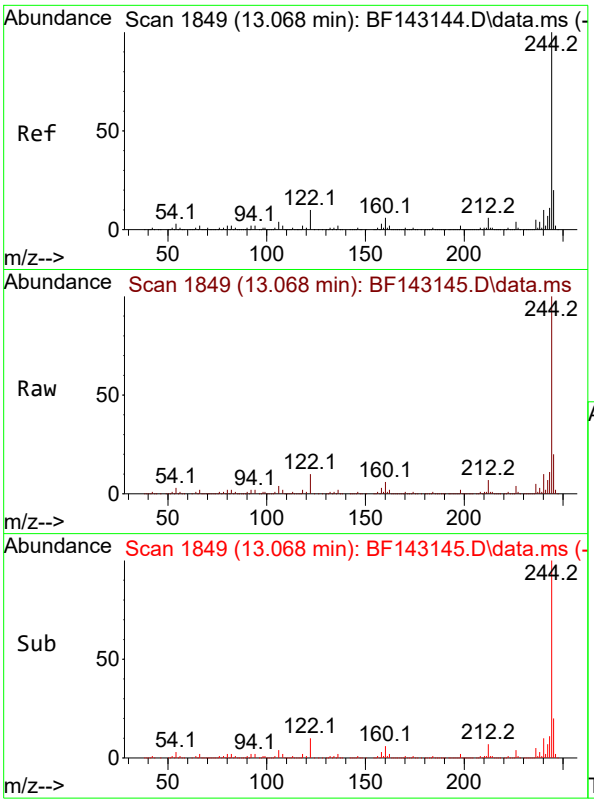


#78
Pyrene
Concen: 50.982 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

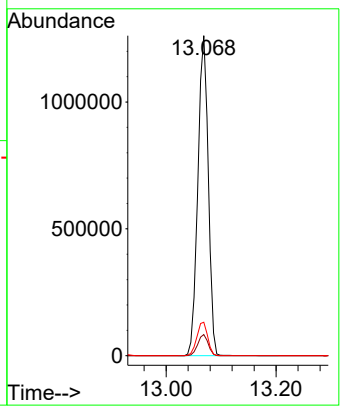
Tgt Ion:244 Resp: 166303

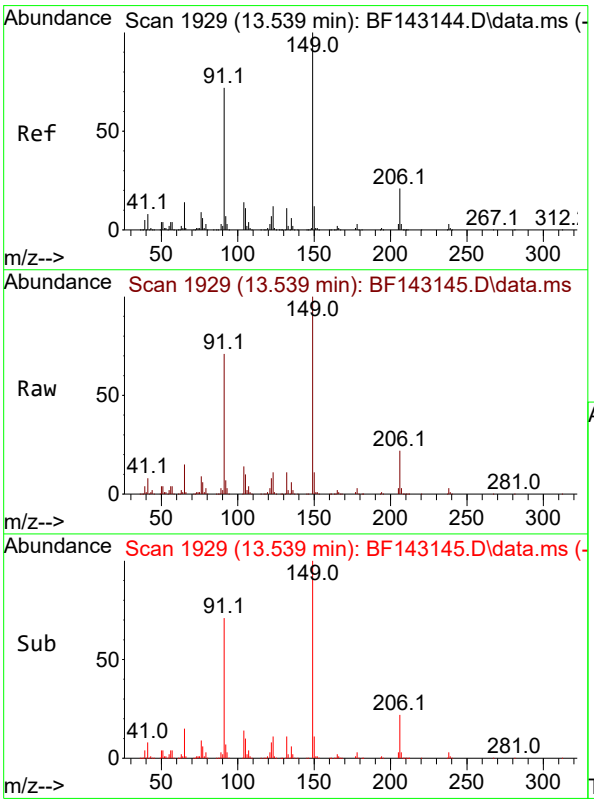
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.2	7.8
122	10.4	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

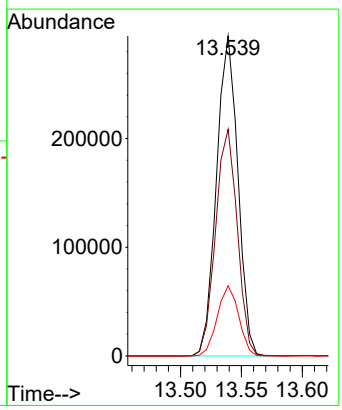


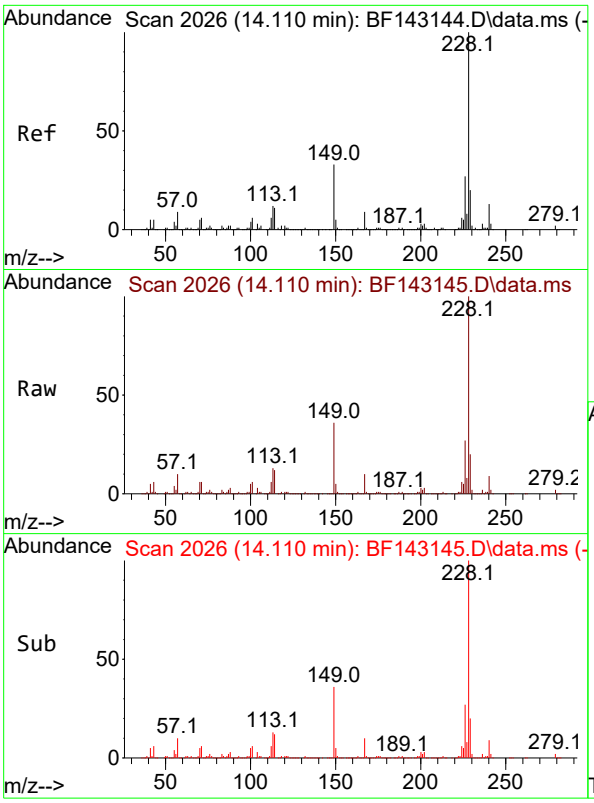


#80
Butylbenzylphthalate
Concen: 55.681 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

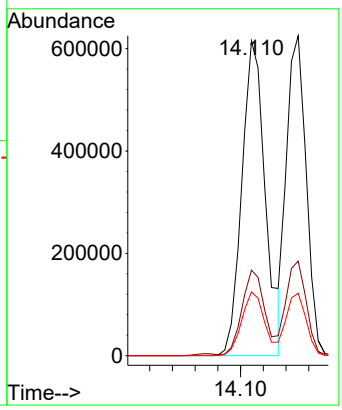
Tgt Ion:228 Resp: 88097

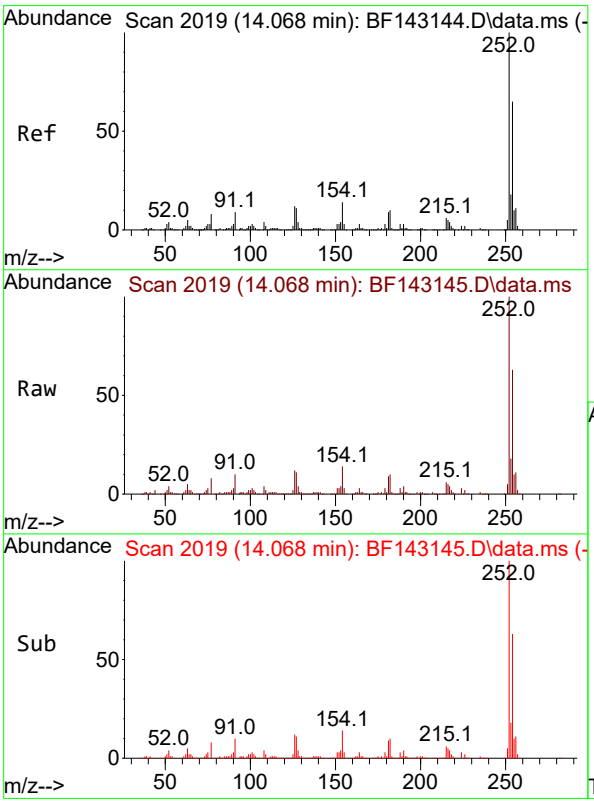
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	20.3	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

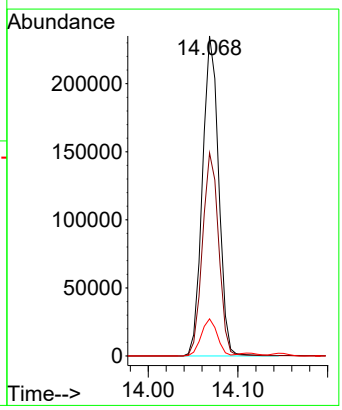


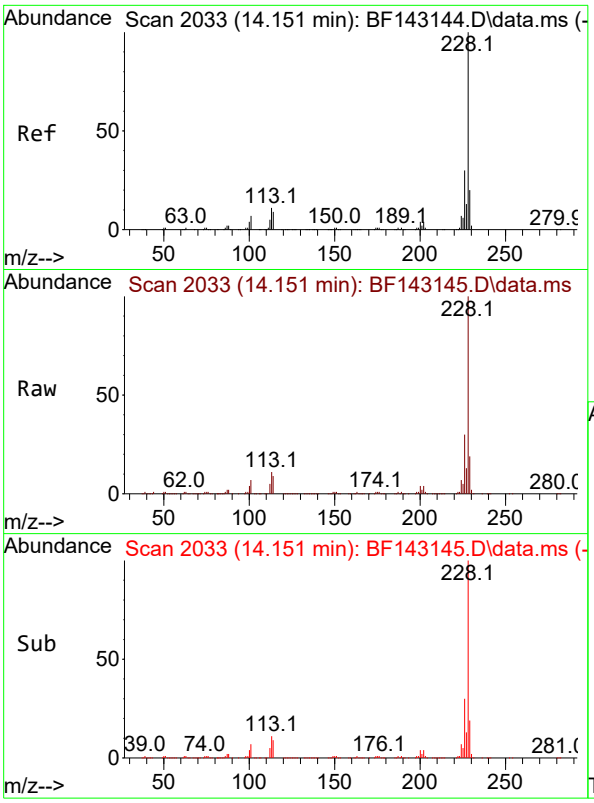


#82
3,3'-Dichlorobenzidine
Concen: 53.305 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

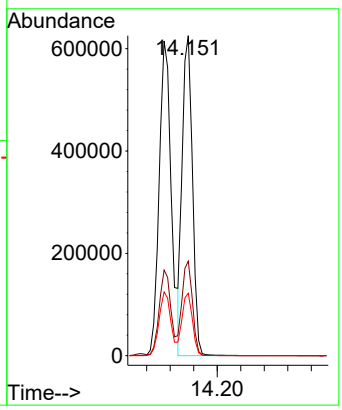
Tgt Ion:228 Resp: 75495

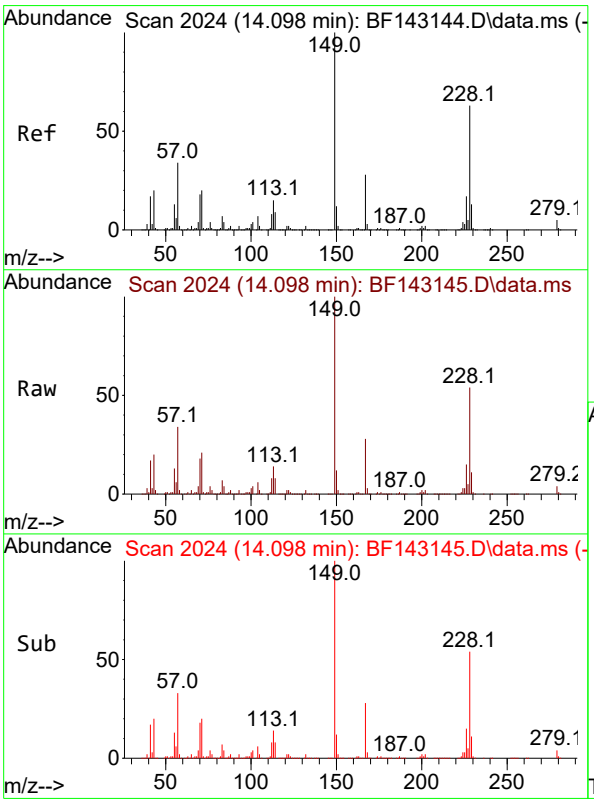
Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	19.5	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

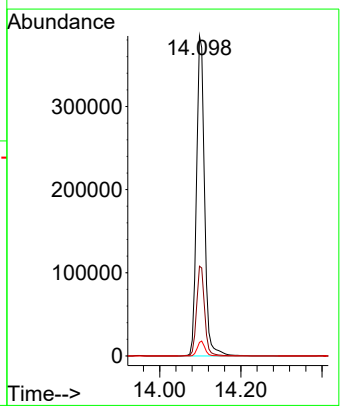


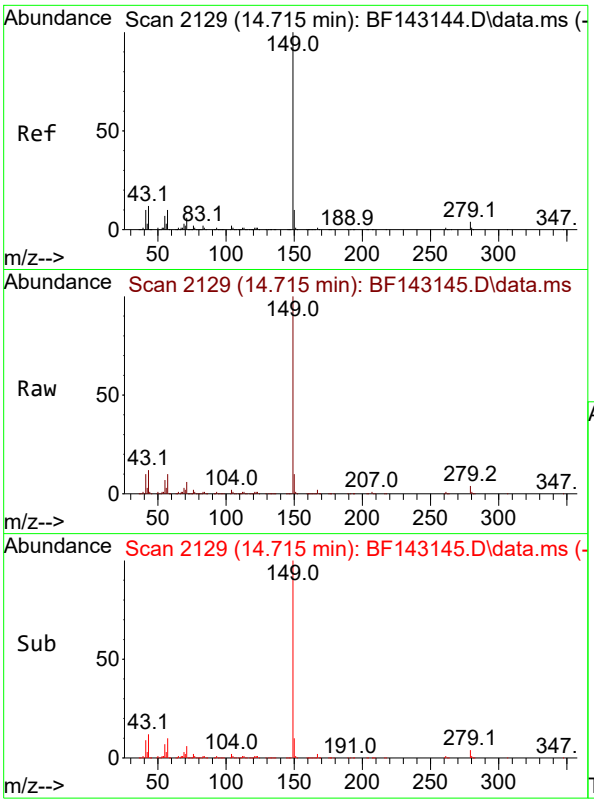


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.475 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

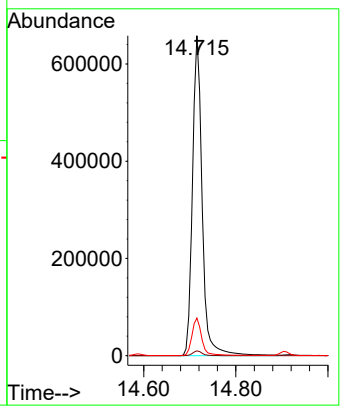
Tgt Ion:149 Resp: 960309

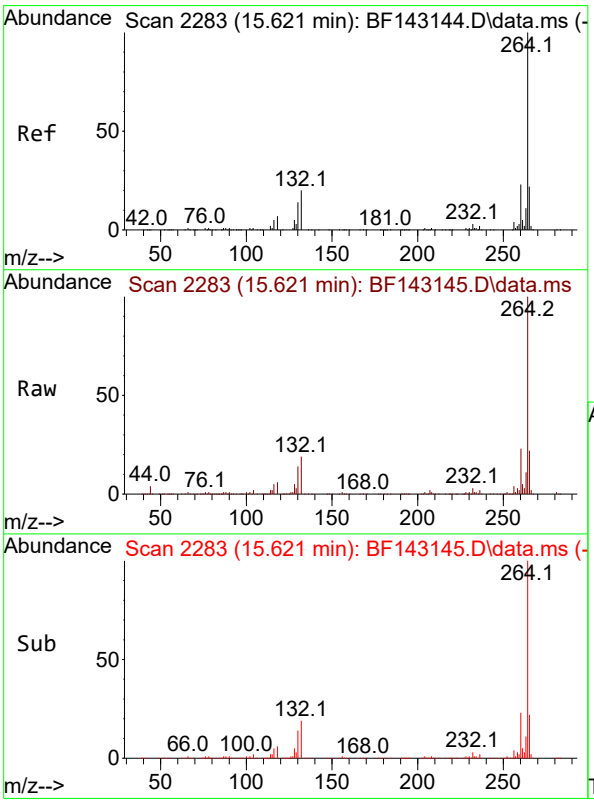
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.9	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

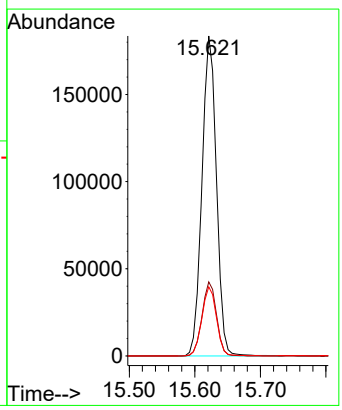


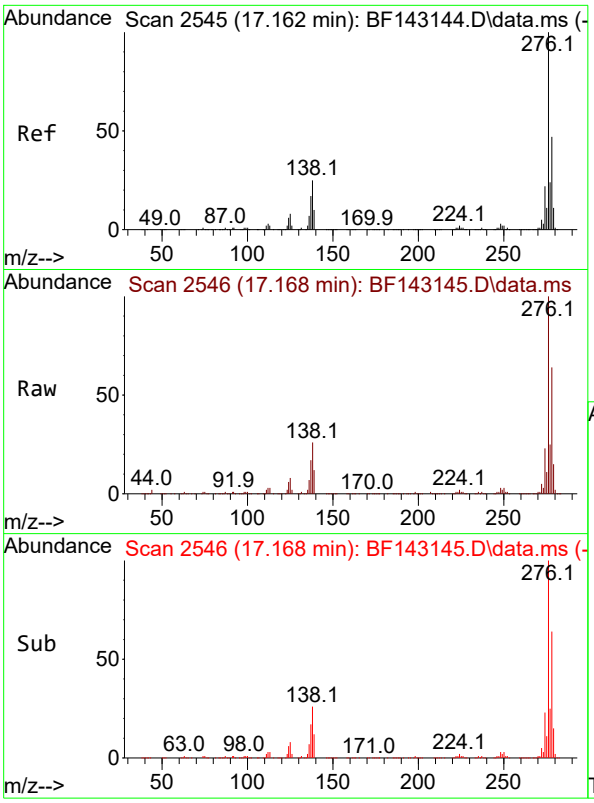


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

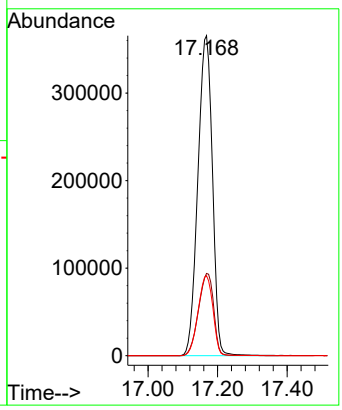
Tgt Ion:276 Resp: 106187

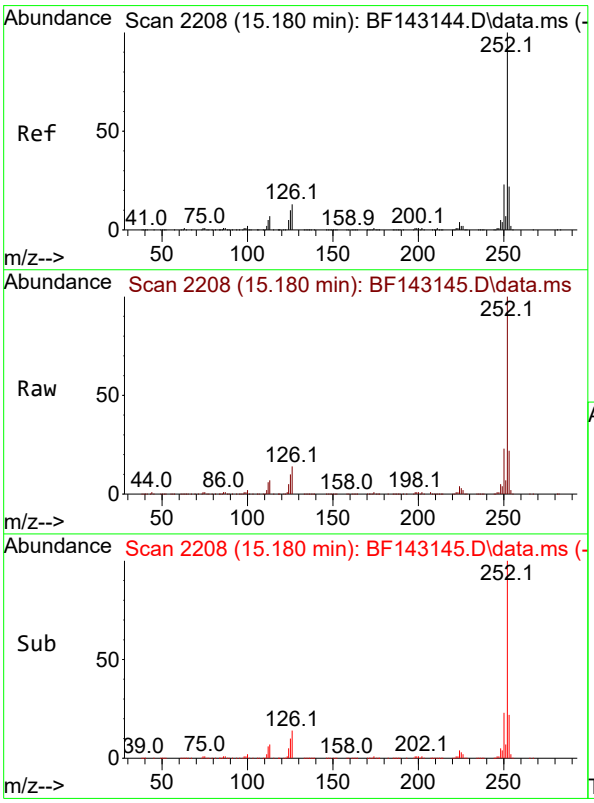
Ion	Ratio	Lower	Upper
276	100		
138	26.8	21.8	32.6
277	25.4	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

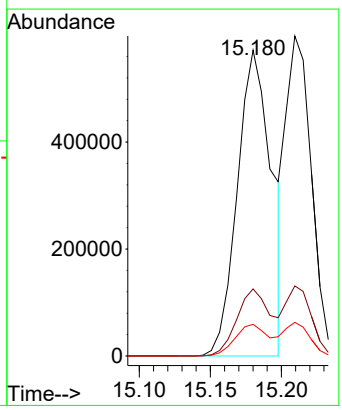


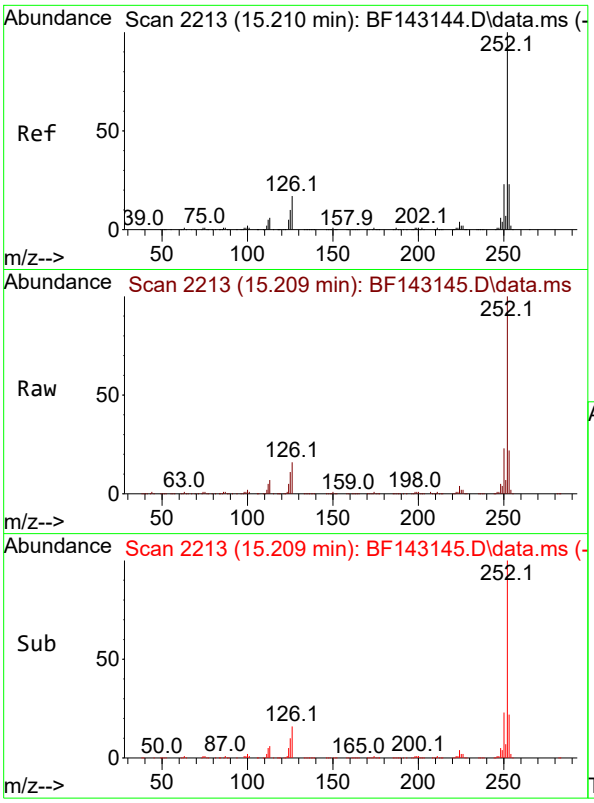


#88
Benzo(b)fluoranthene
Concen: 55.319 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

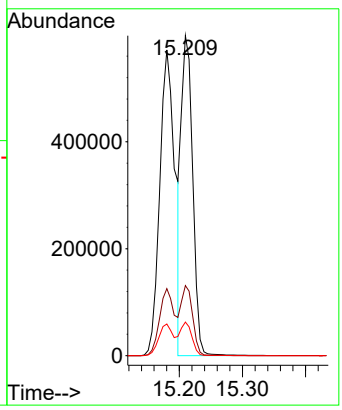
Tgt Ion:252 Resp: 75441

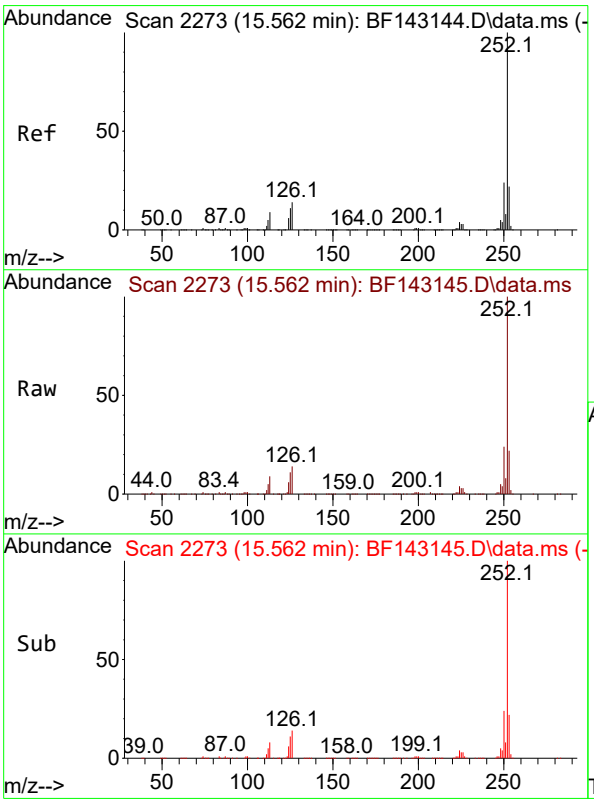
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.5	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

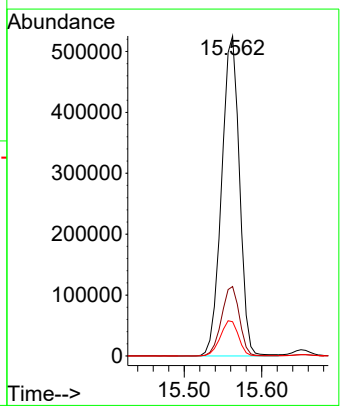


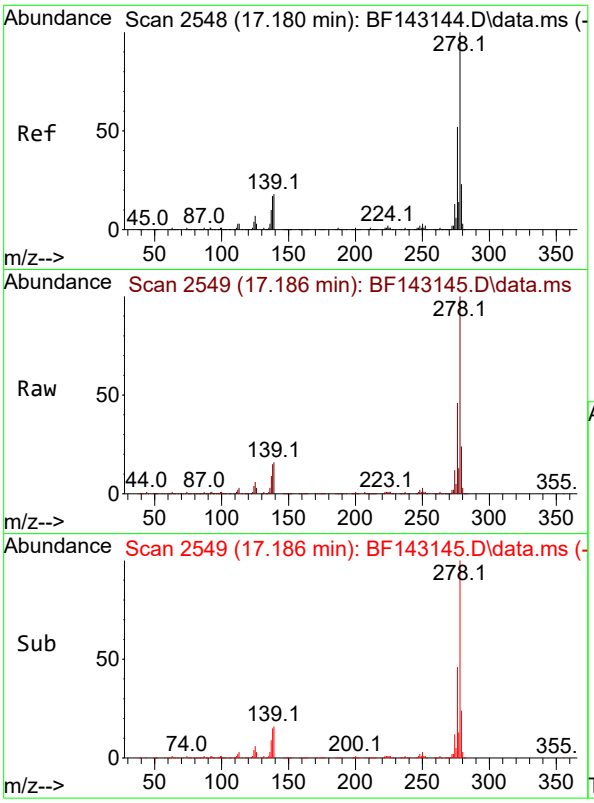


#90
Benzo(a)pyrene
Concen: 52.928 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

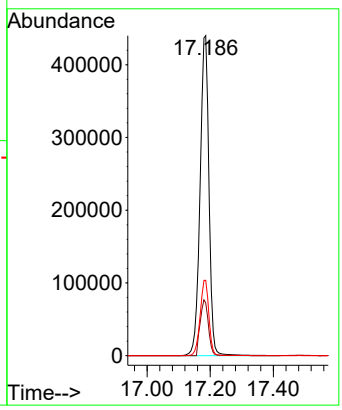
Tgt Ion:278 Resp: 86146

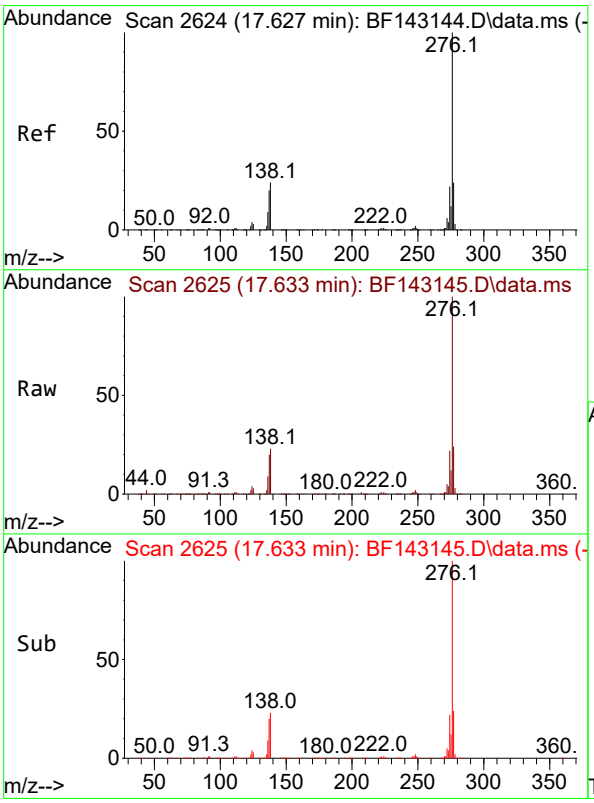
Ion	Ratio	Lower	Upper
278	100		
139	16.5	14.1	21.1
279	23.5	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

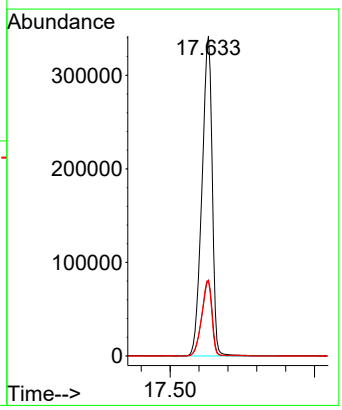




#92
Benzo(g,h,i)perylene
Concen: 53.845 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



Quantitation Report (QT Reviewed)

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

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

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

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 (QT Reviewed)

ICAL Form

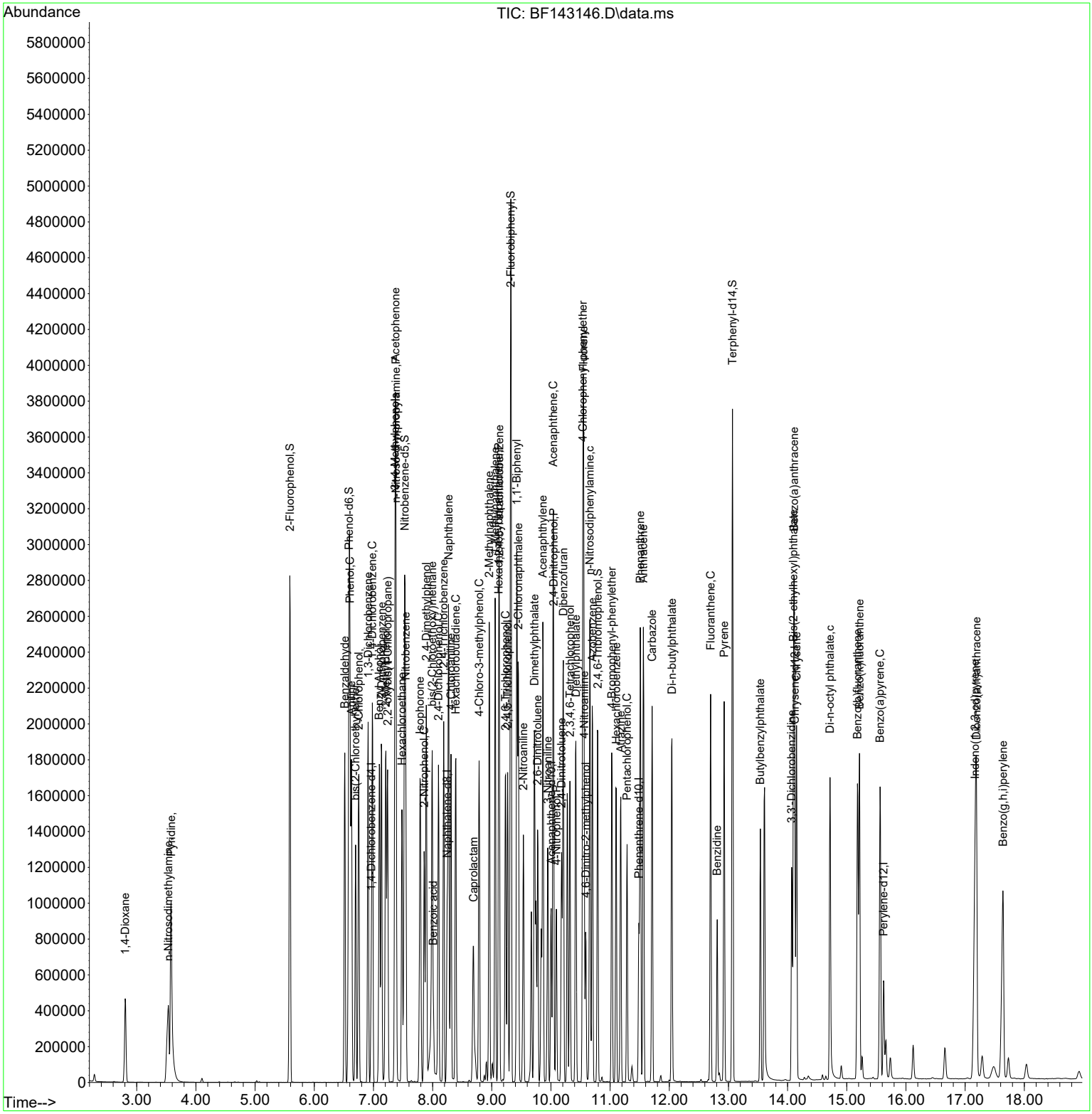
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143146.D
Acq On : 17 Jul 2025 14:04
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 9 Sample Multiplier: 1

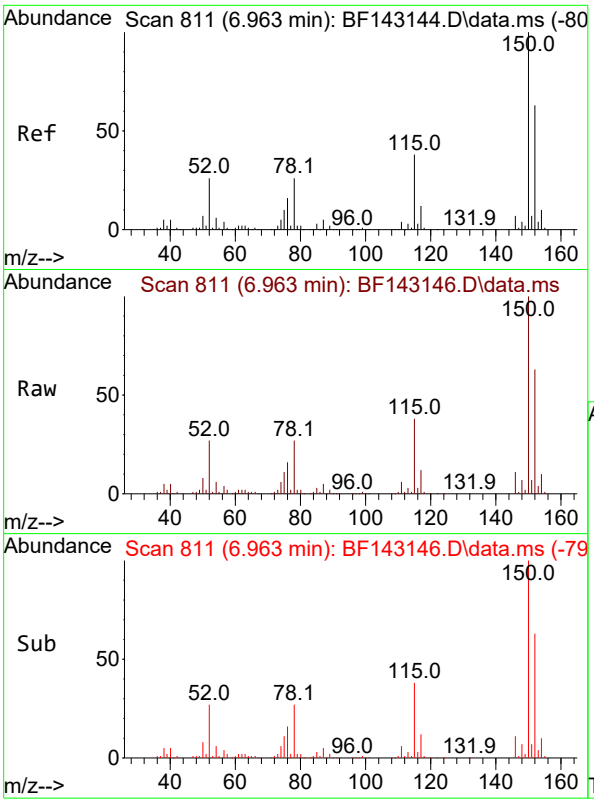
Quant Time: Jul 17 15:05:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

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

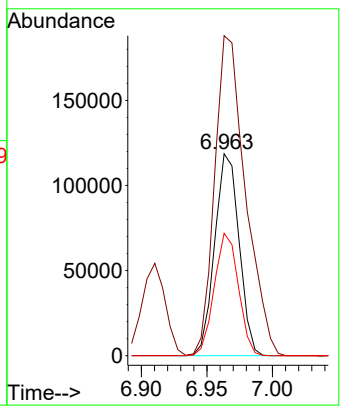
Tgt Ion:152 Resp: 15315

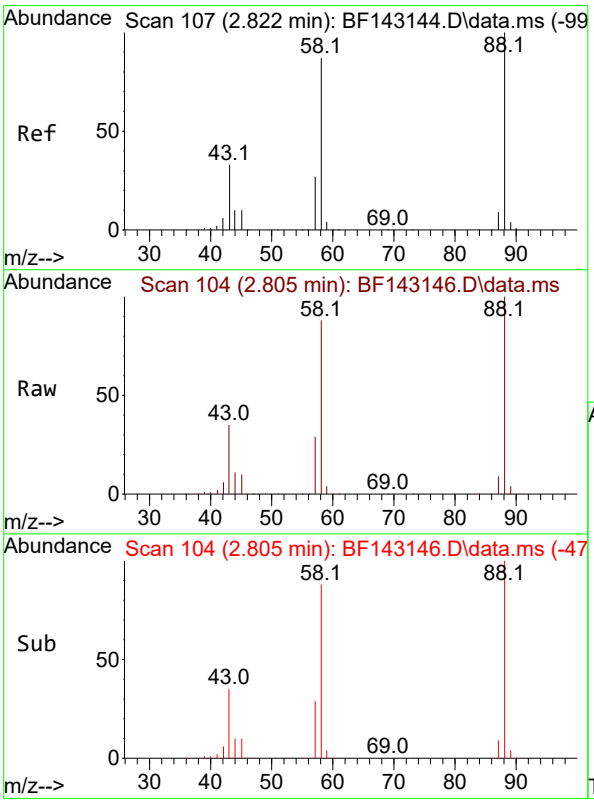
Ion	Ratio	Lower	Upper
152	100		
150	158.5	128.2	192.4
115	60.7	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

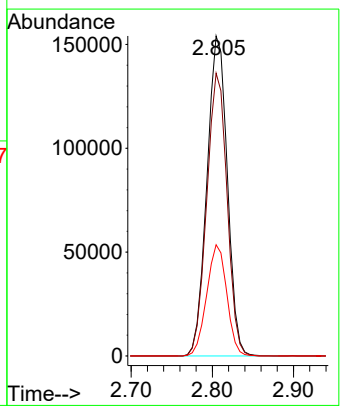


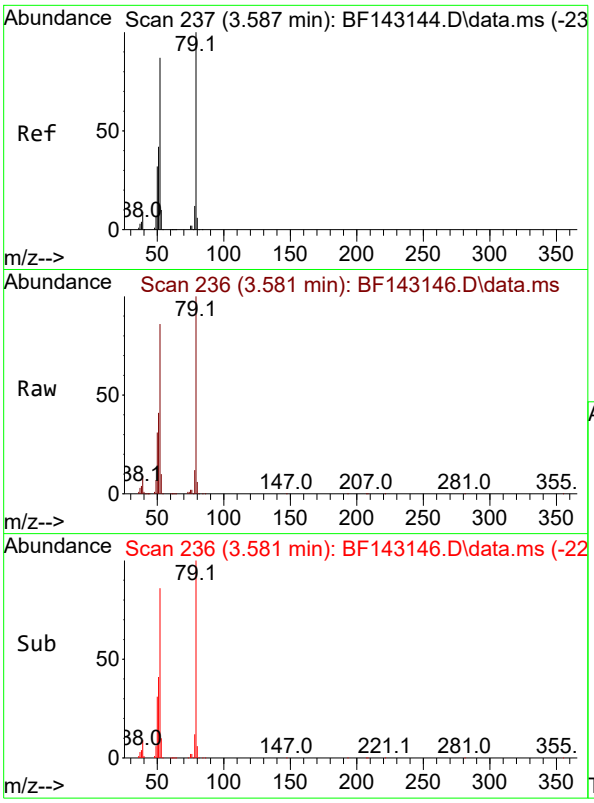


#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

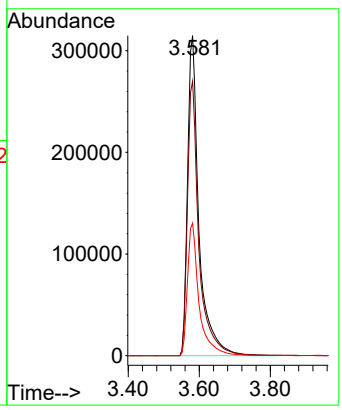
Tgt Ion: 79 Resp: 70086

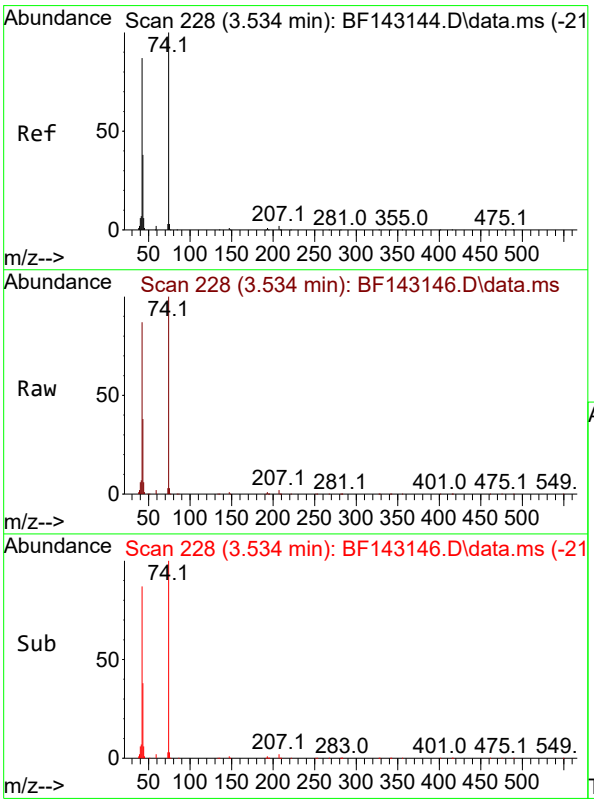
Ion	Ratio	Lower	Upper
79	100		
52	85.7	69.4	104.2
51	41.4	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

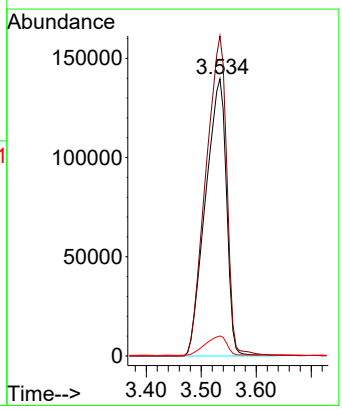


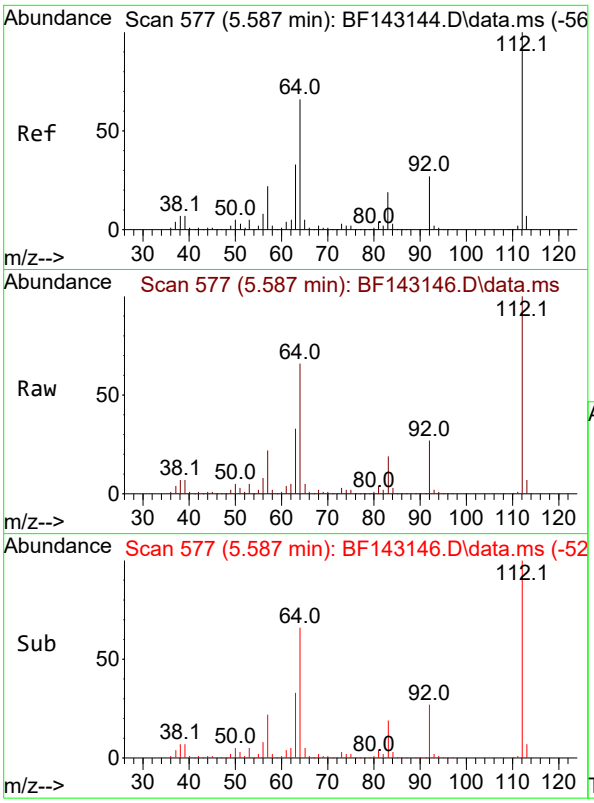


#4
n-Nitrosodimethylamine
Concen: 60.203 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

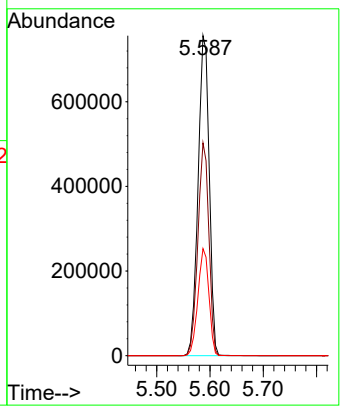
Tgt Ion:112 Resp: 109677

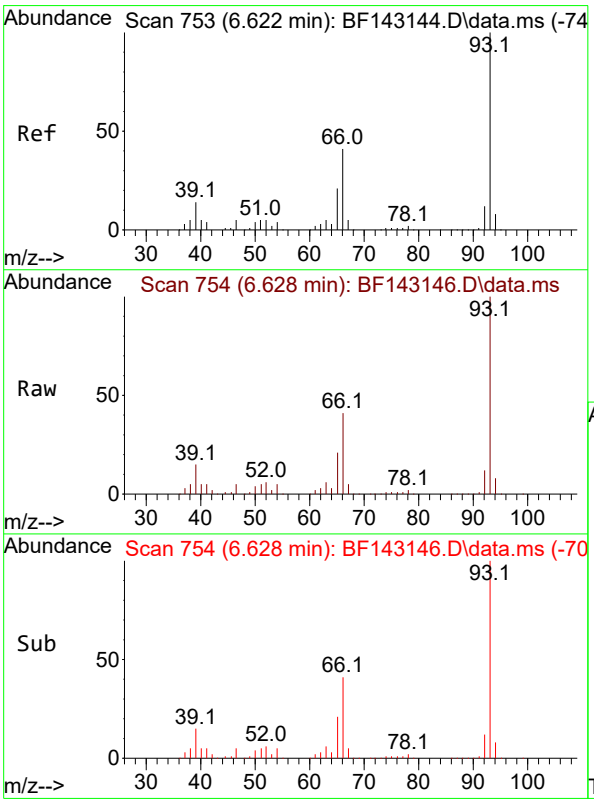
Ion	Ratio	Lower	Upper
112	100		
64	66.5	53.1	79.7
63	33.4	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

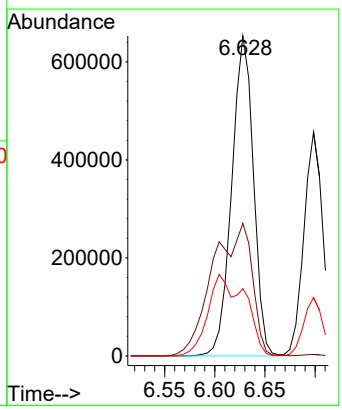


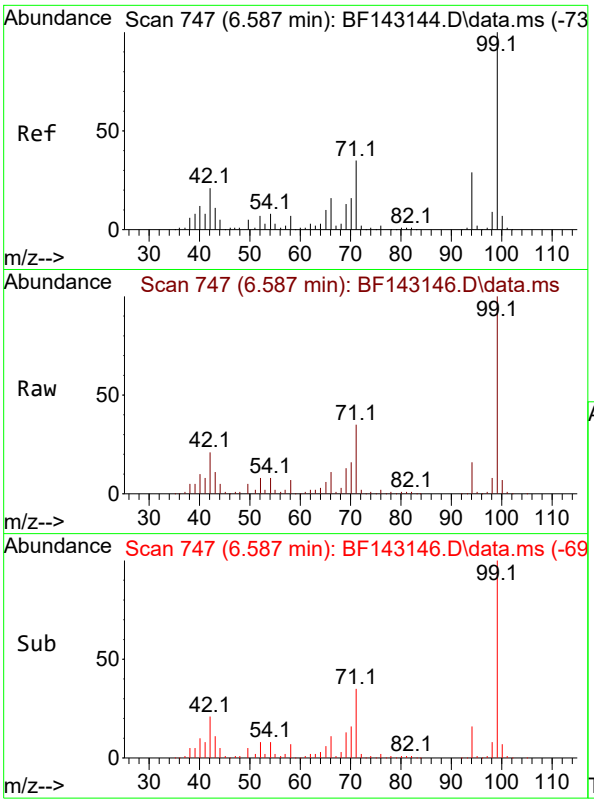


#6
Aniline
Concen: 57.896 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

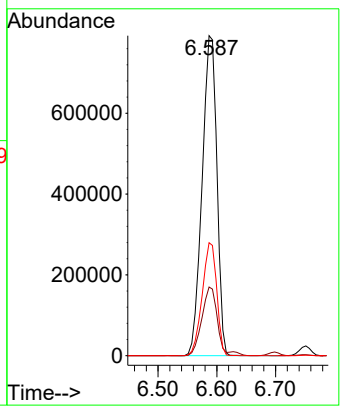
Tgt Ion: 99 Resp: 138401

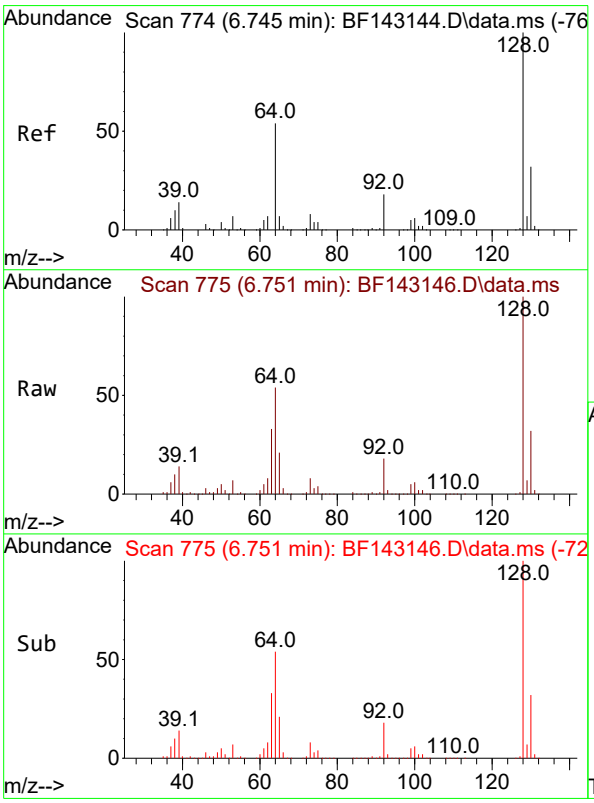
Ion	Ratio	Lower	Upper
99	100		
42	21.4	17.0	25.6
71	35.3	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

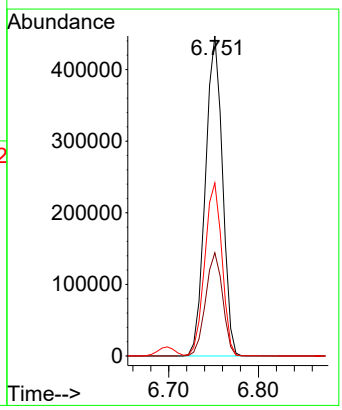


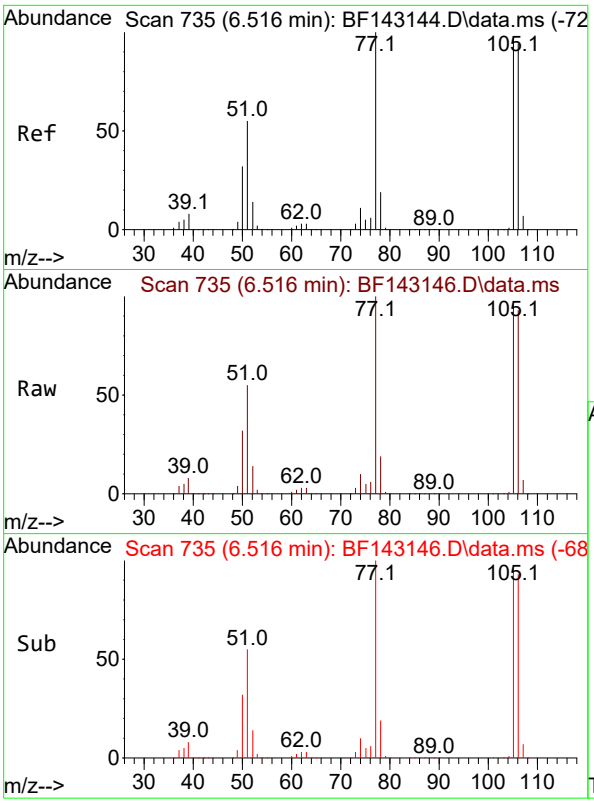


#8
2-Chlorophenol
Concen: 58.147 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

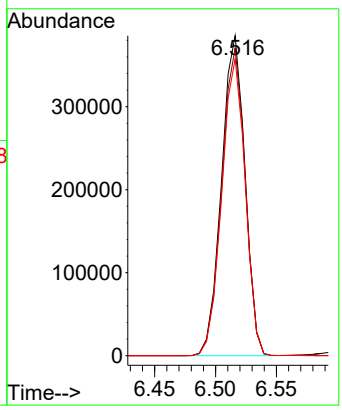
Tgt Ion: 77 Resp: 51558

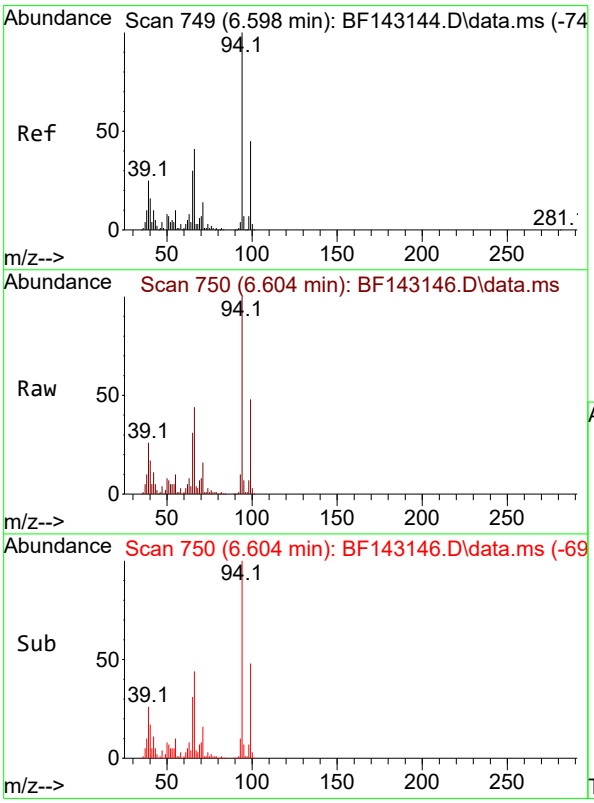
Ion	Ratio	Lower	Upper
77	100		
105	96.1	76.8	116.8
106	92.7	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

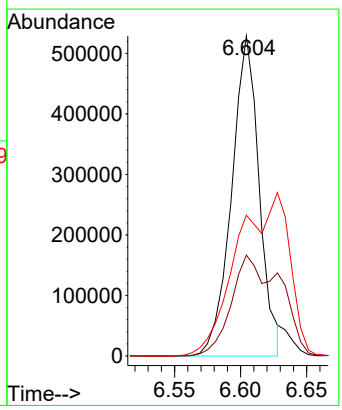


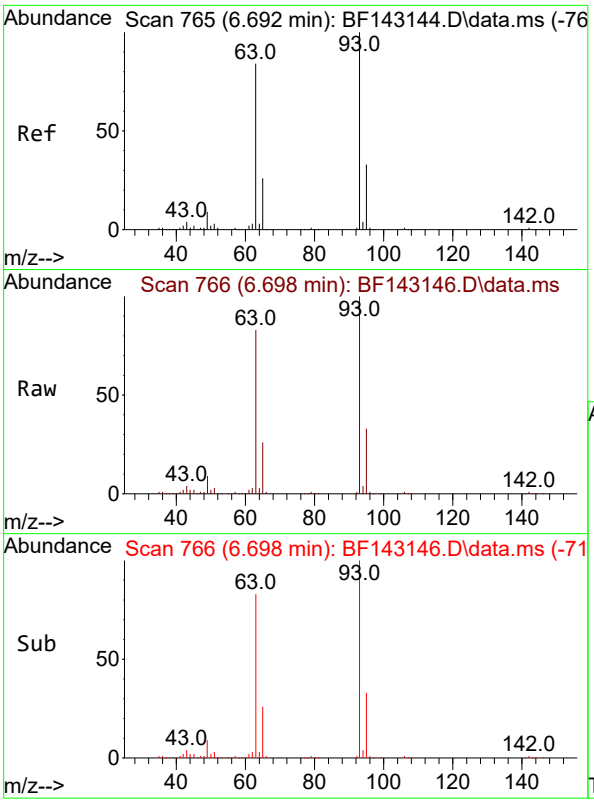


#10
Phenol
Concen: 58.002 ng m
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

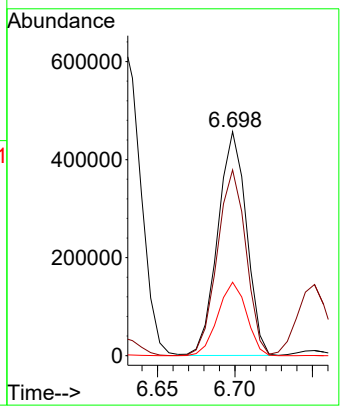
Tgt Ion: 93 Resp: 58849

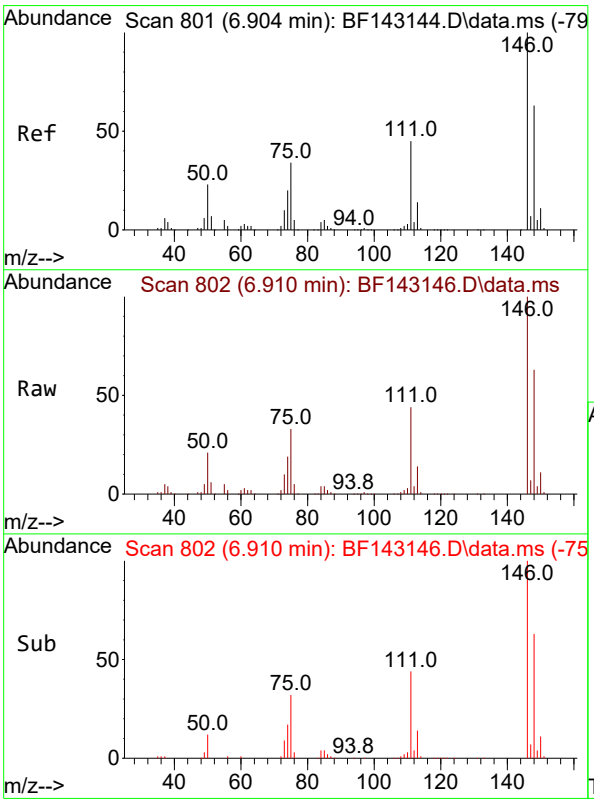
Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.4	103.4
95	32.8	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

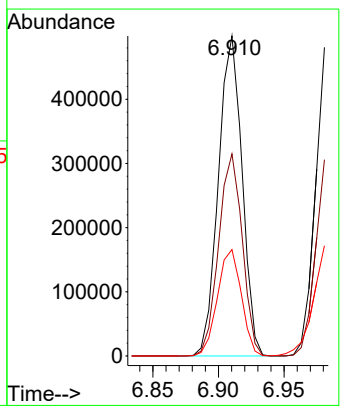


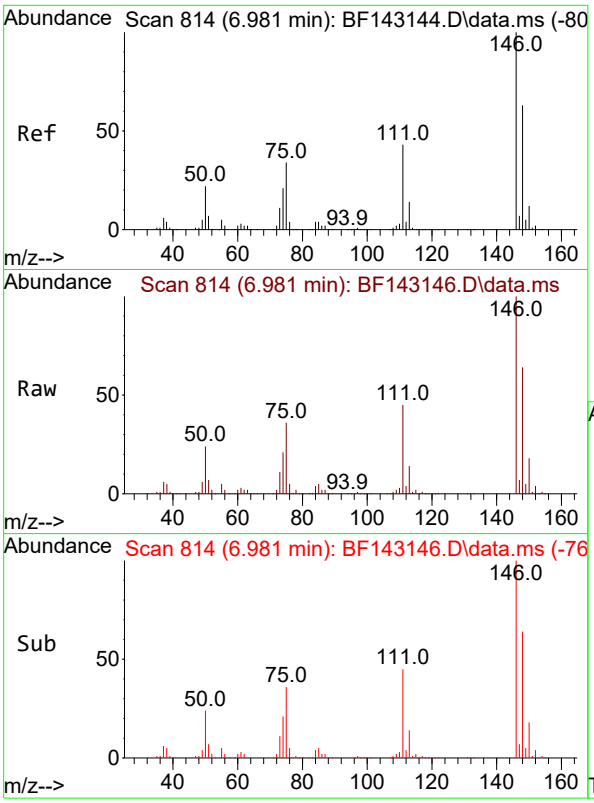


#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

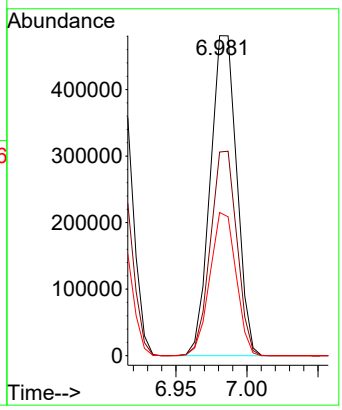
Tgt Ion:146 Resp: 62337

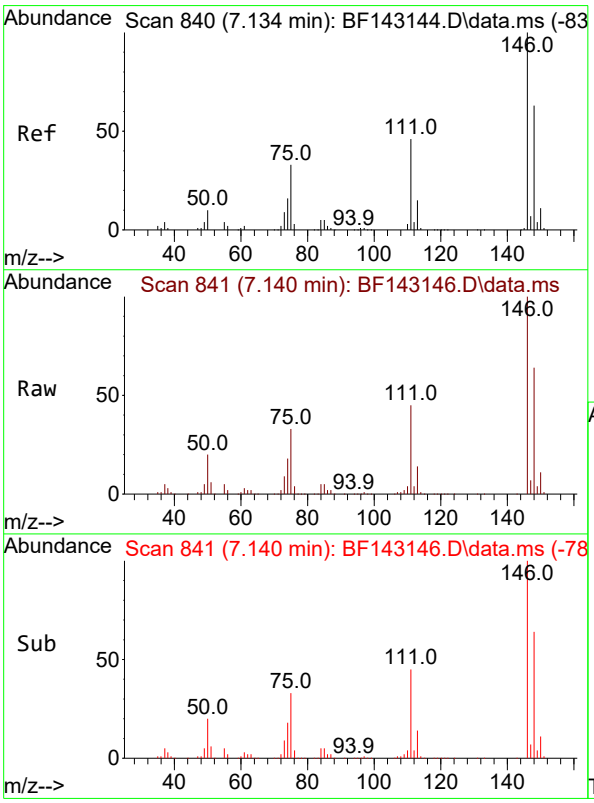
Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.3	75.5
111	44.7	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

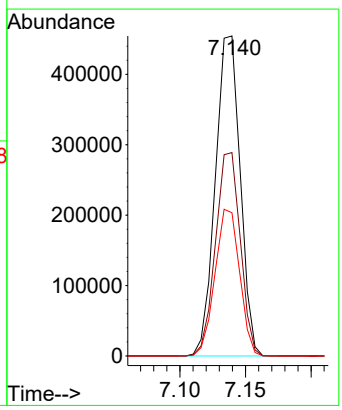


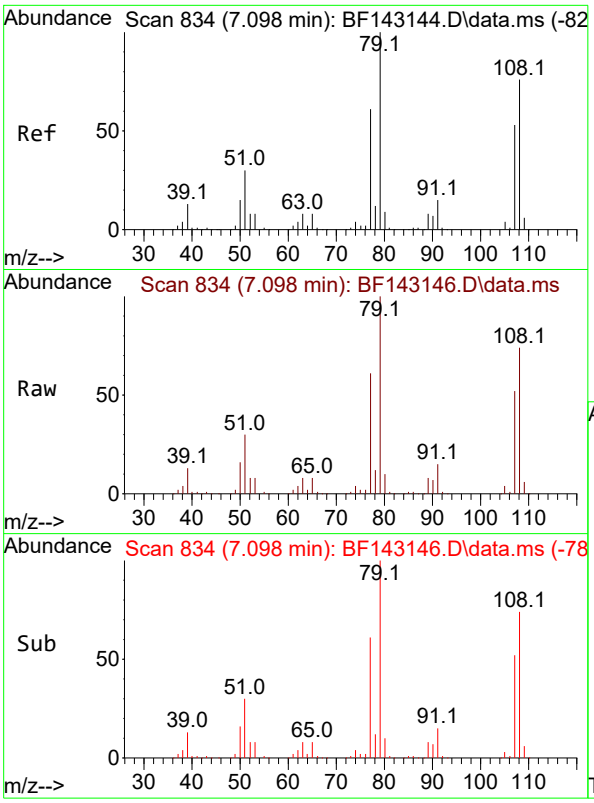


#14
1,2-Dichlorobenzene
Concen: 56.708 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

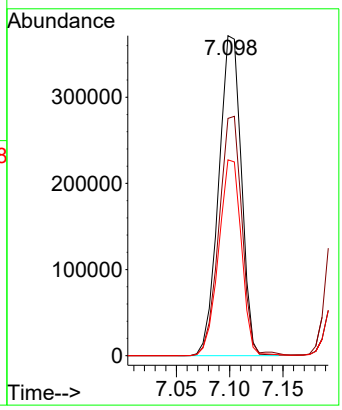
Tgt Ion: 79 Resp: 54815

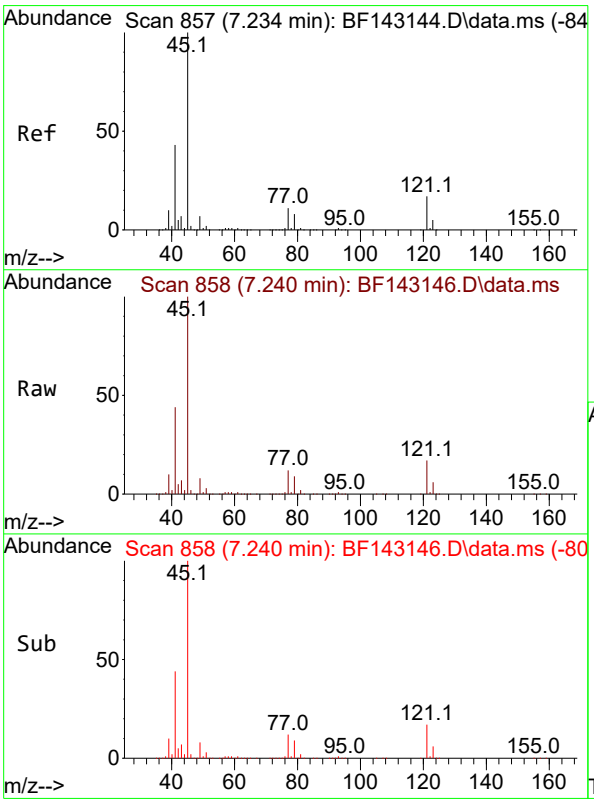
Ion	Ratio	Lower	Upper
79	100		
108	74.2	61.1	91.7
77	61.2	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

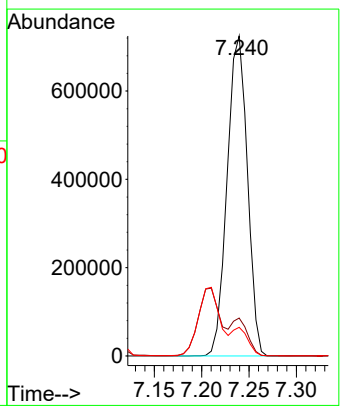


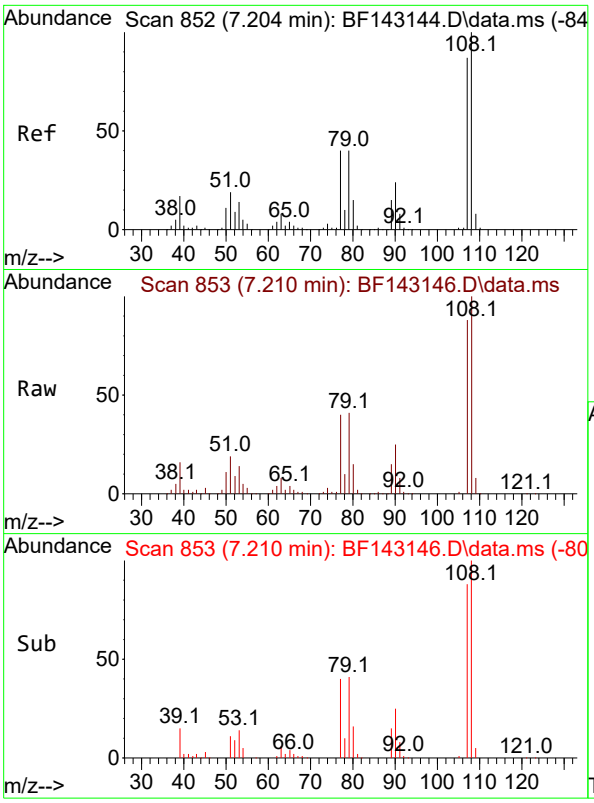


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.120 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

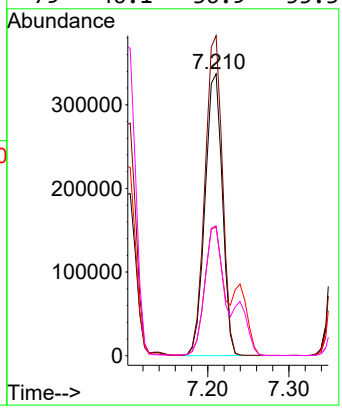




#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:107 Resp: 49807

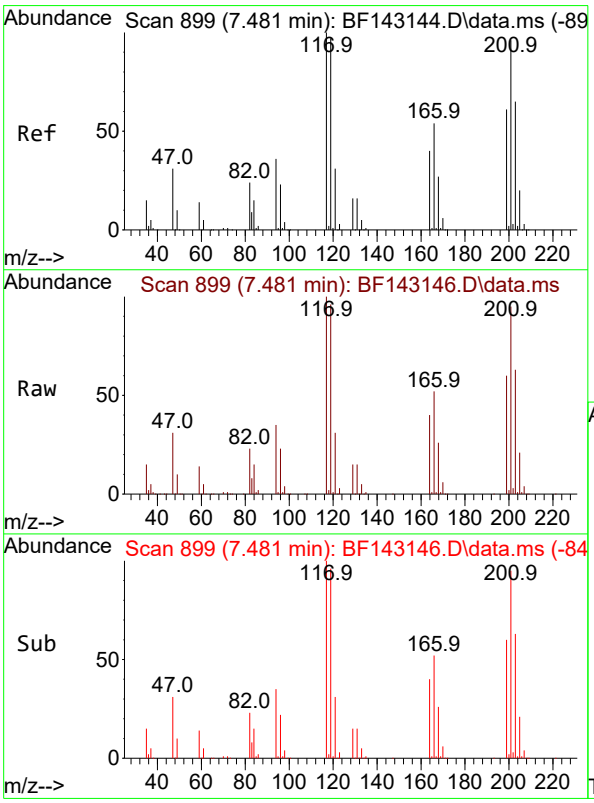
Ion	Ratio	Lower	Upper
107	100		
108	113.6	91.8	137.6
77	45.6	37.0	55.6
79	46.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

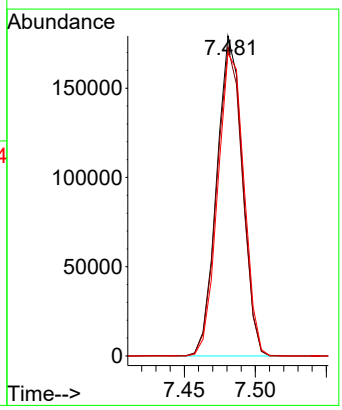
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

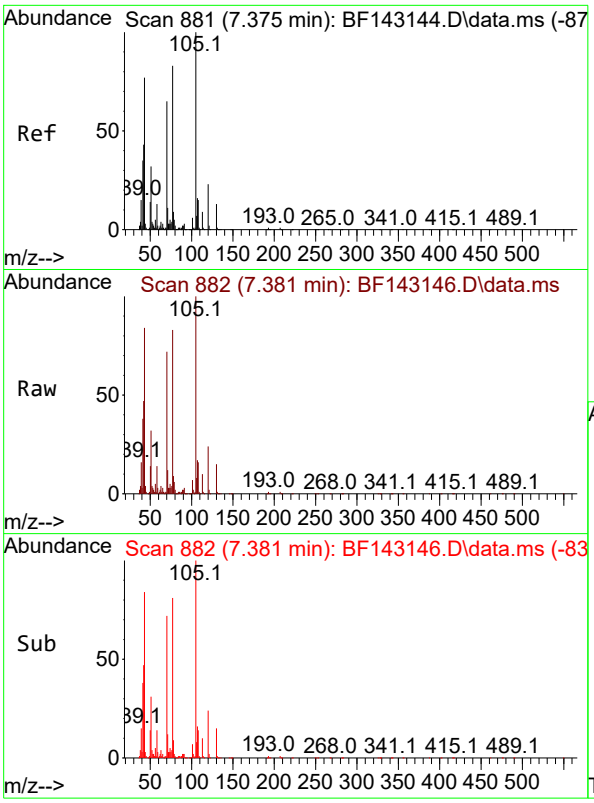


#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

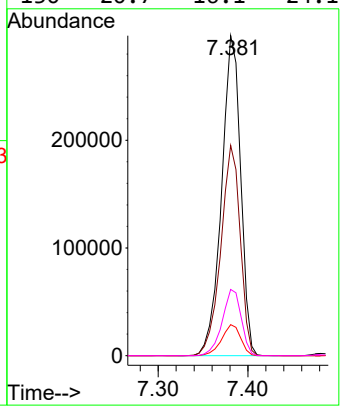
Tgt Ion: 70 Resp: 43775

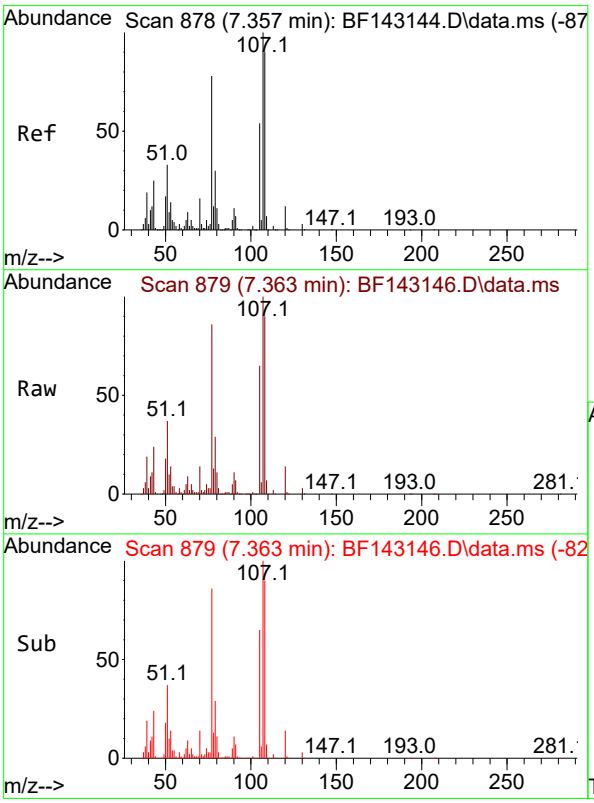
Ion	Ratio	Lower	Upper
70	100		
42	65.7	52.5	78.7
101	9.7	7.6	11.4
130	20.7	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

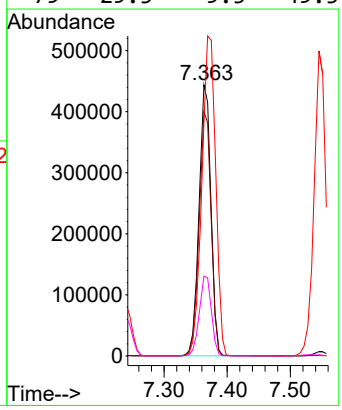


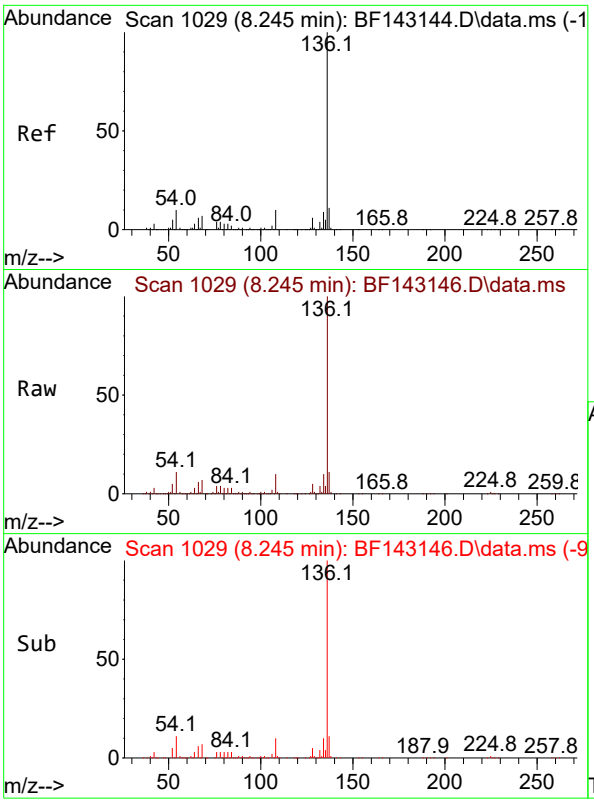


#20
3+4-Methylphenols
Concen: 56.273 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

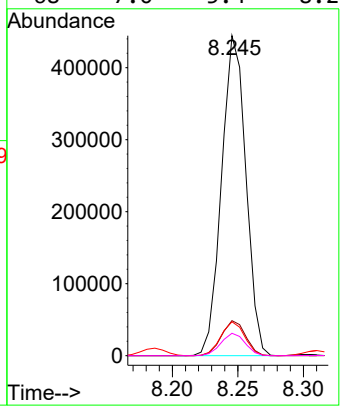




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:136 Resp: 57354

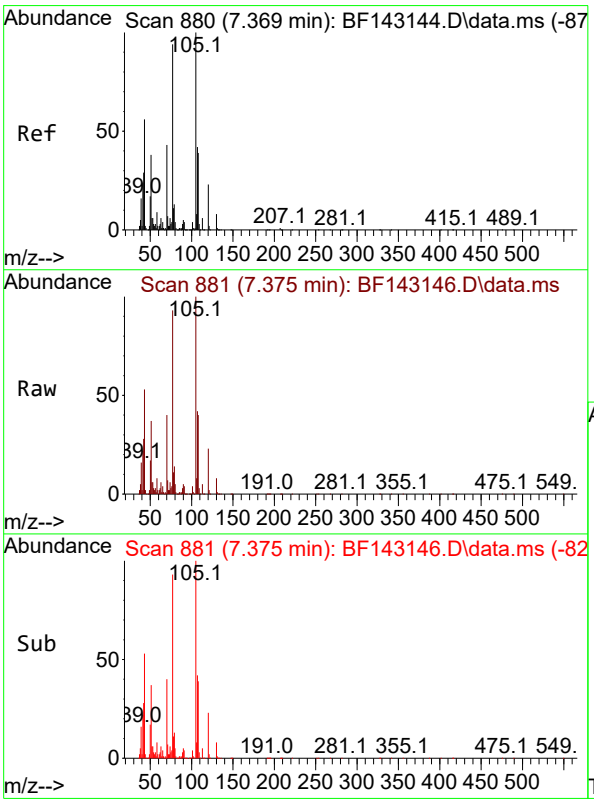
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.0	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

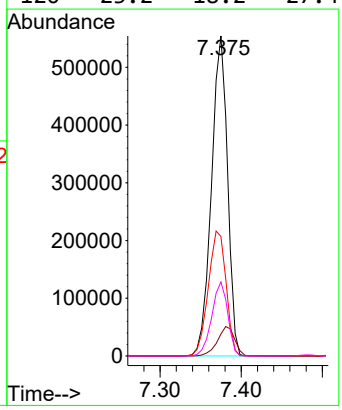
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

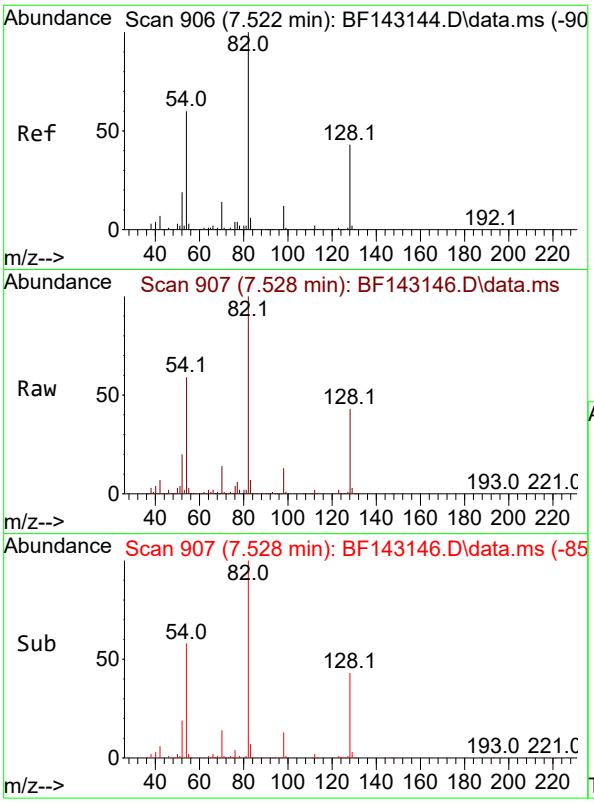


#22
Acetophenone
Concen: 56.041 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

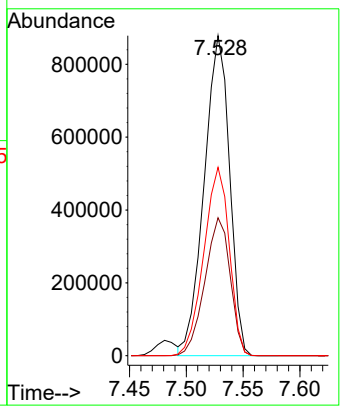
Tgt Ion: 82 Resp: 136701

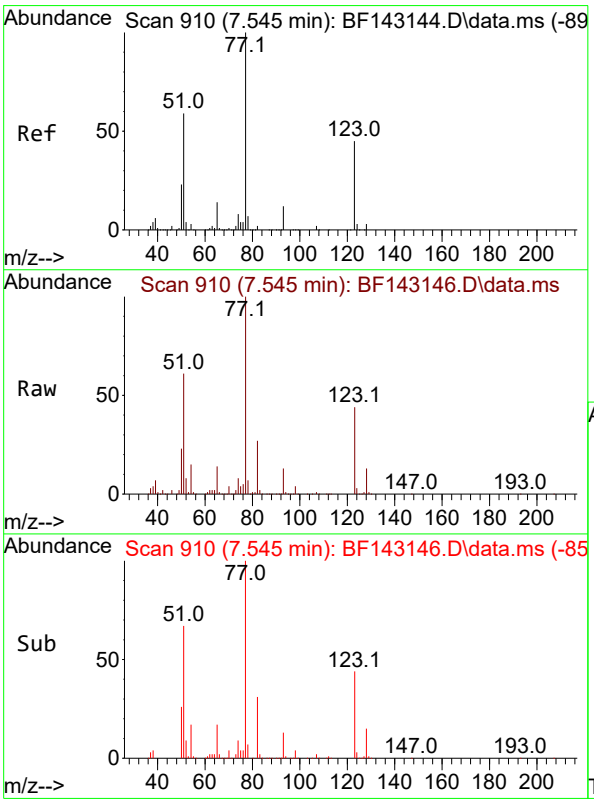
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.9	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

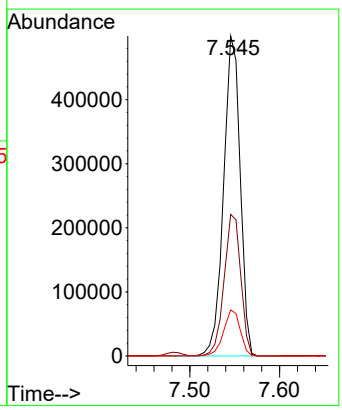


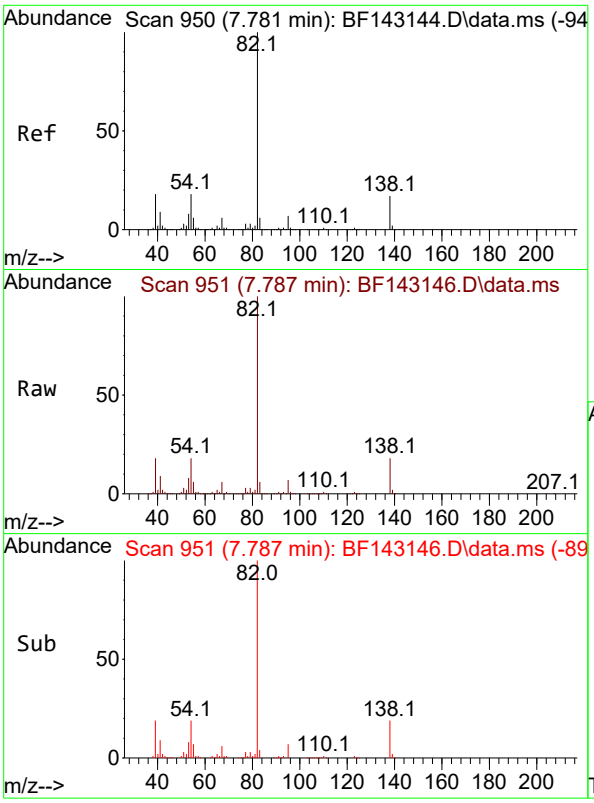


#24
Nitrobenzene
Concen: 59.832 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

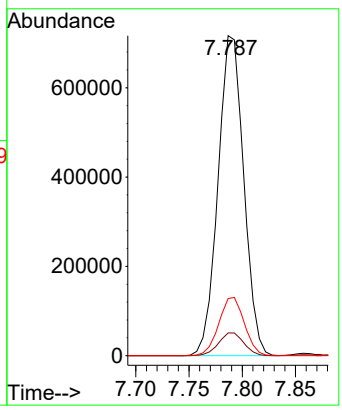
Tgt Ion: 82 Resp: 120250

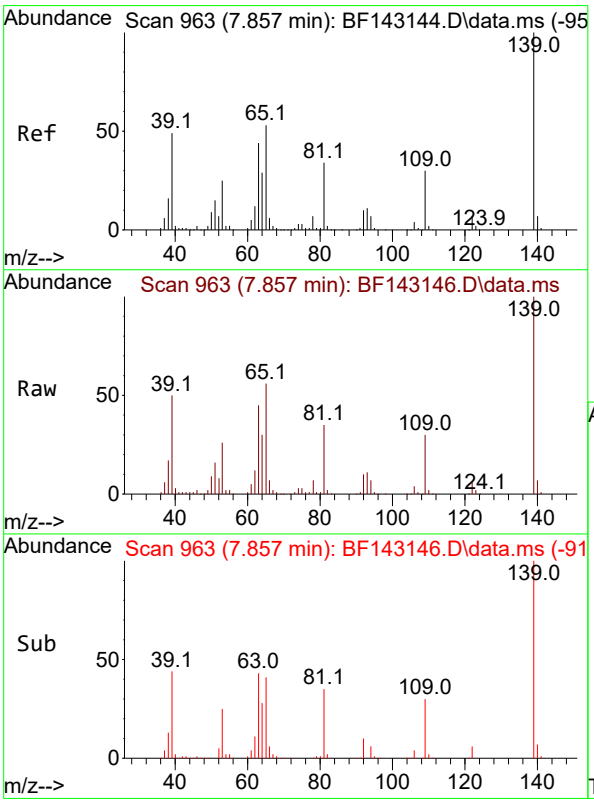
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.9	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

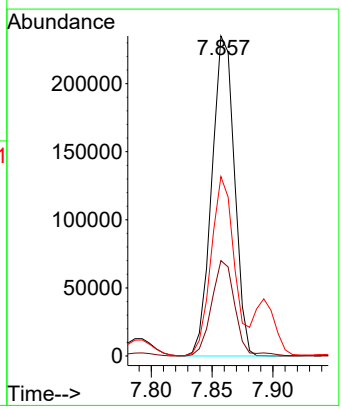


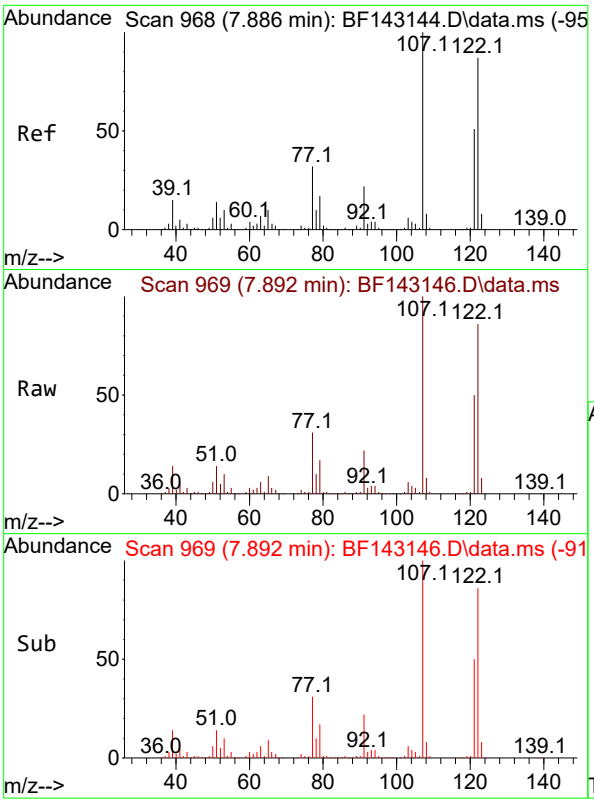


#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

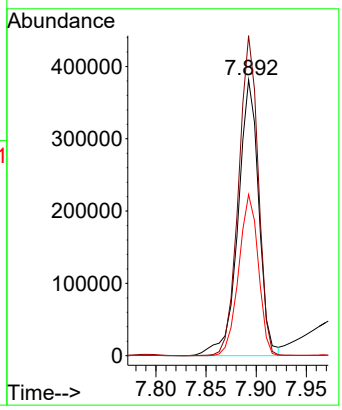
Tgt Ion:122 Resp: 54882

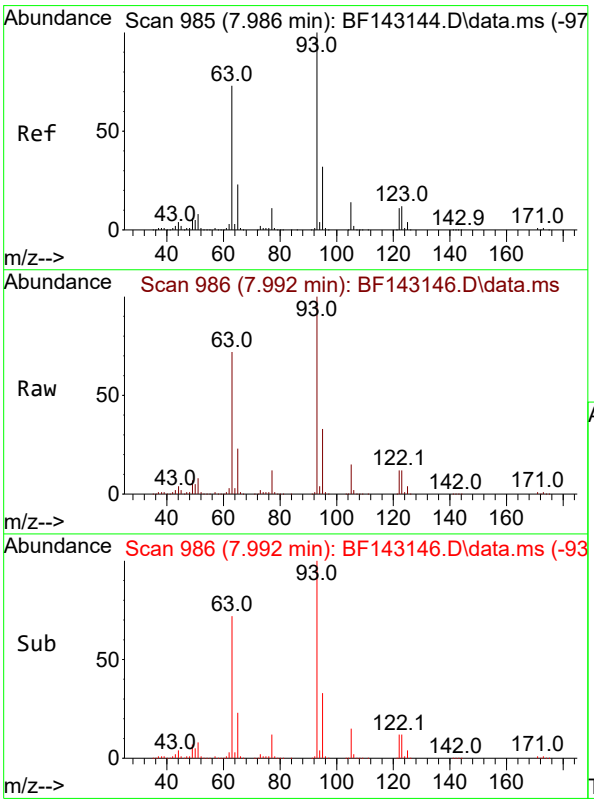
Ion	Ratio	Lower	Upper
122	100		
107	116.0	91.8	137.6
121	58.4	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

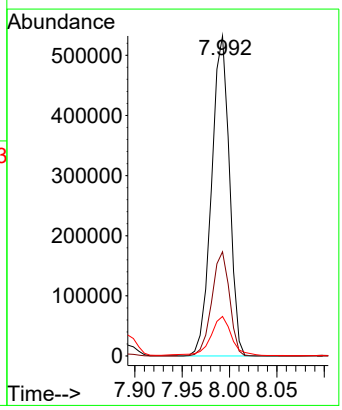


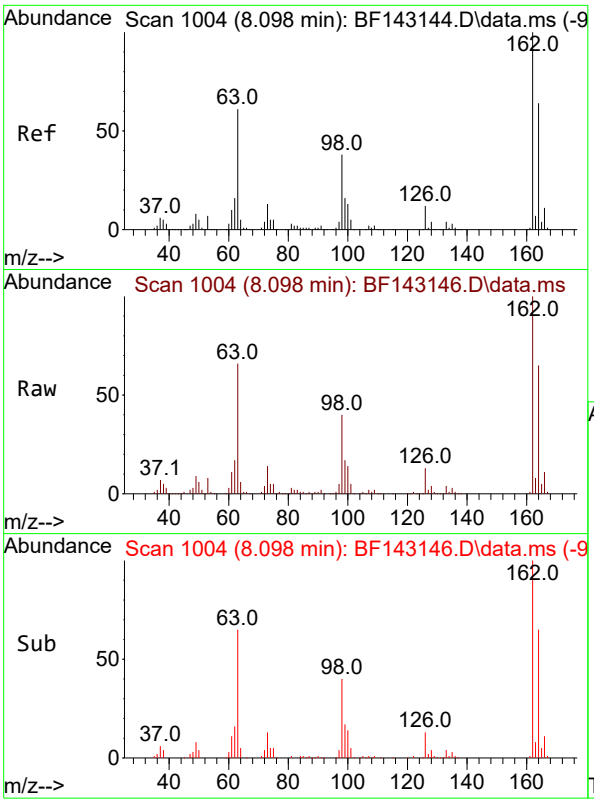


#28
bis(2-Chloroethoxy)methane
Concen: 57.184 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

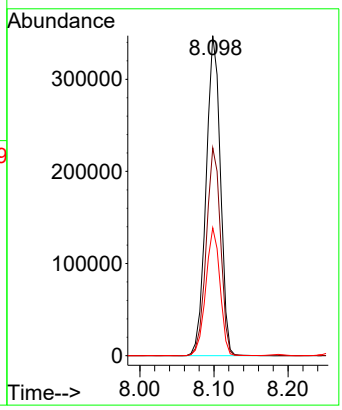
Tgt Ion:162 Resp: 466809

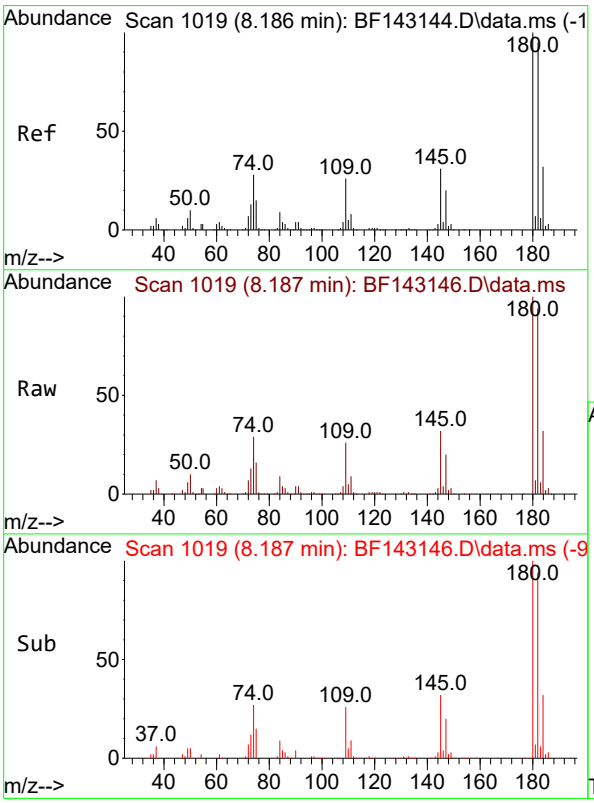
Ion	Ratio	Lower	Upper
162	100		
164	64.9	44.2	84.2
98	39.9	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

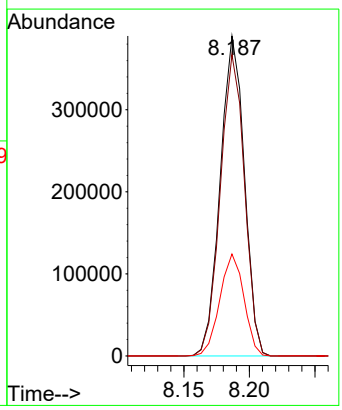


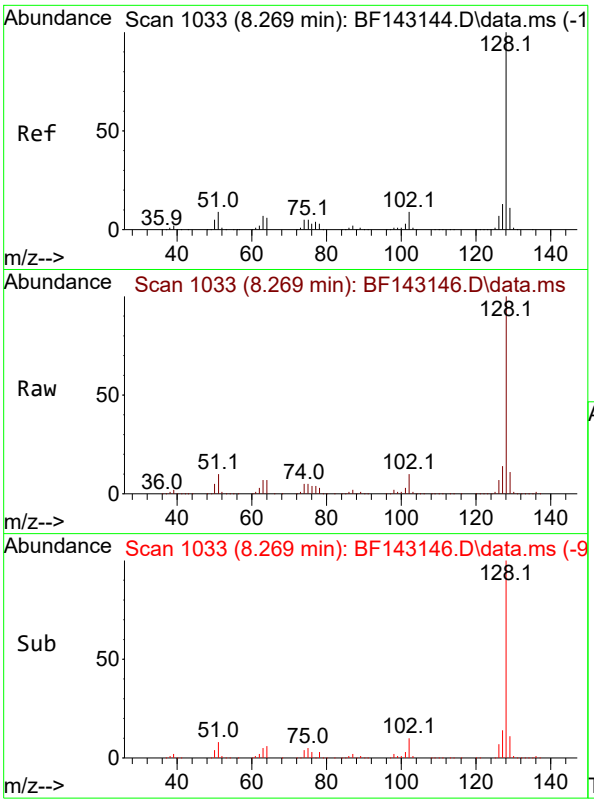


#30
1,2,4-Trichlorobenzene
Concen: 57.653 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

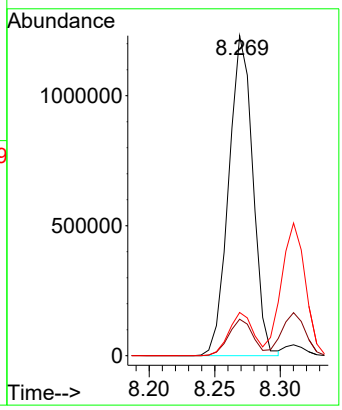
Tgt Ion:128 Resp: 157569(

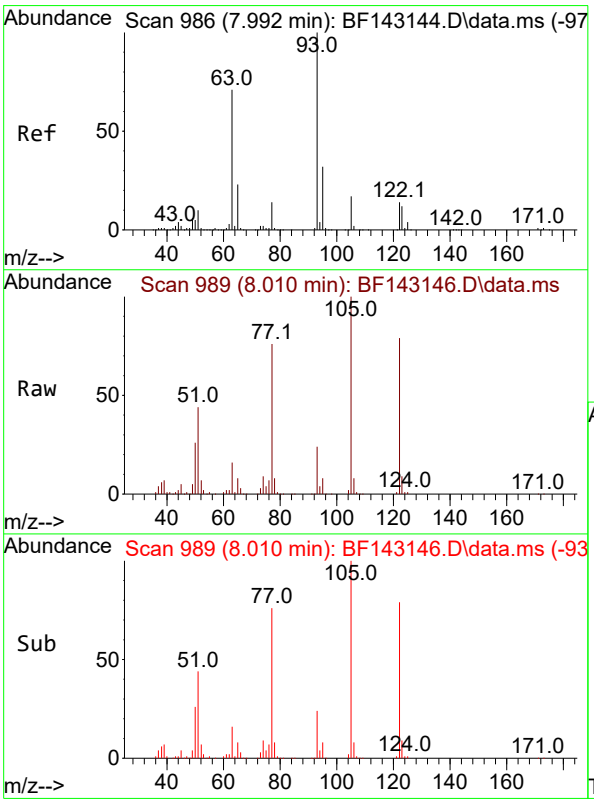
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.4
127	13.5	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

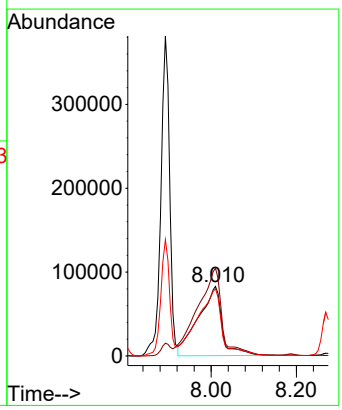


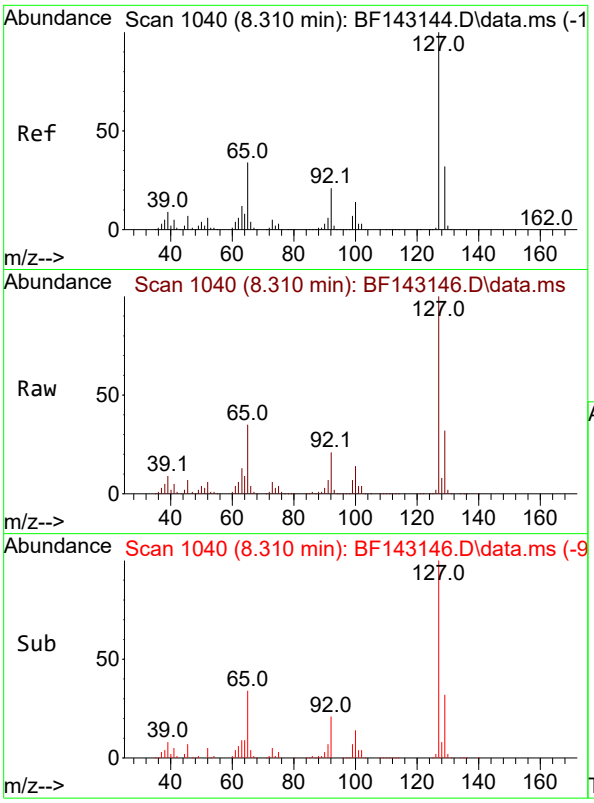


#32
Benzoic acid
Concen: 58.961 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

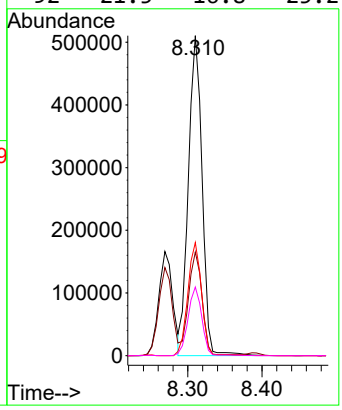
Tgt Ion:127 Resp: 65946

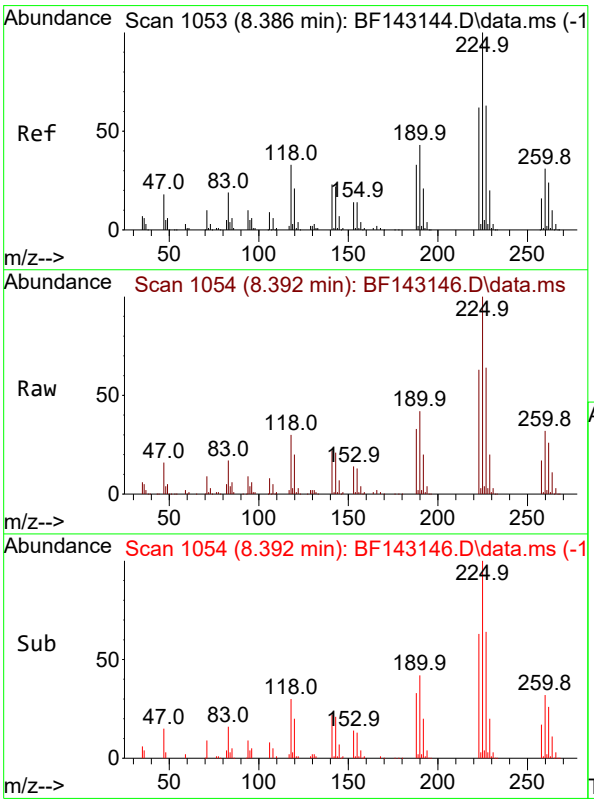
Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.0	39.0
65	35.3	27.4	41.2
92	21.5	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

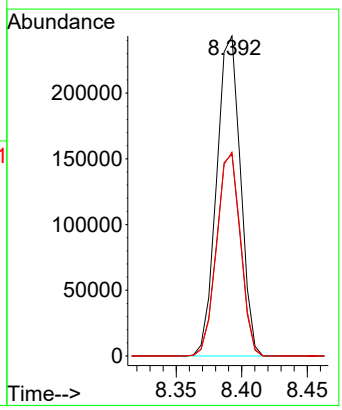


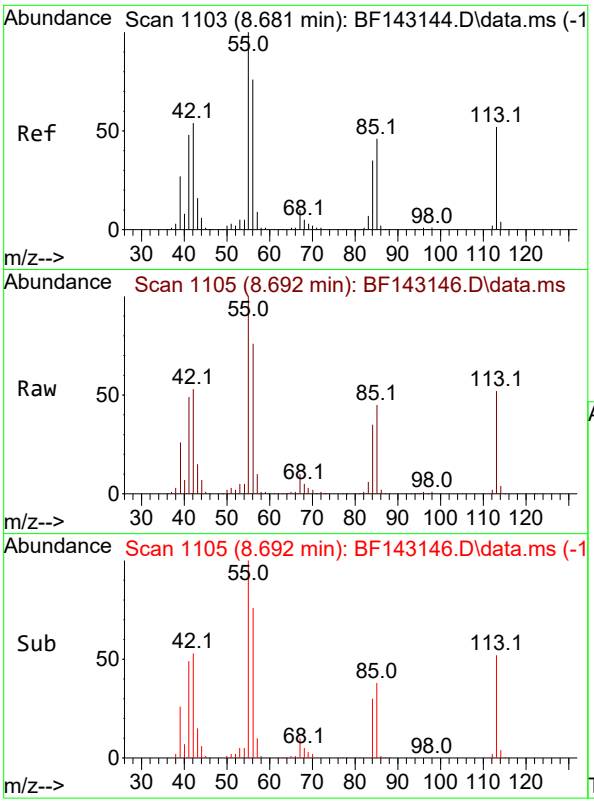


#34
Hexachlorobutadiene
Concen: 58.230 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

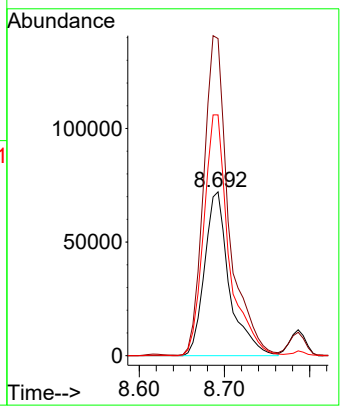
Tgt Ion:113 Resp: 14589

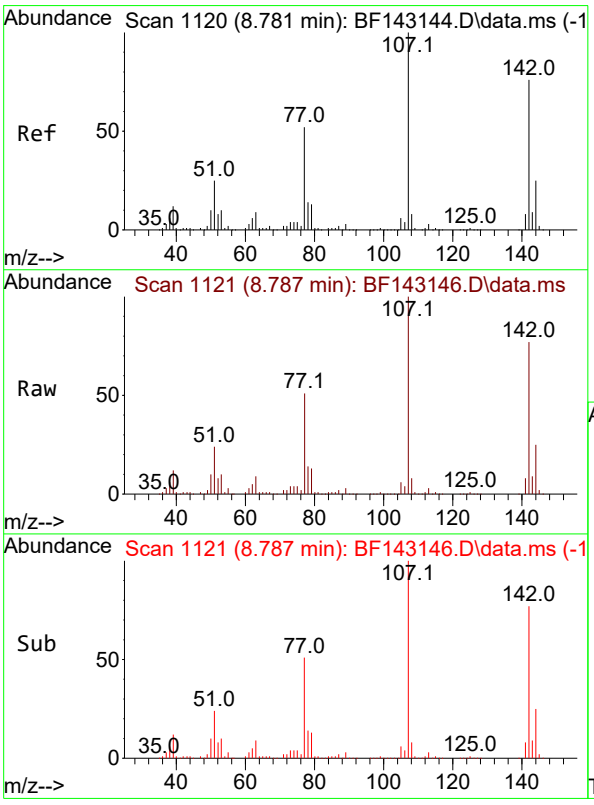
Ion	Ratio	Lower	Upper
113	100		
55	193.5	174.0	214.0
56	146.9	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

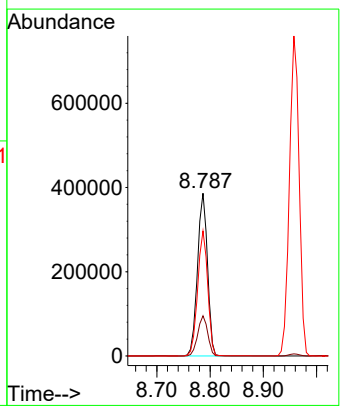


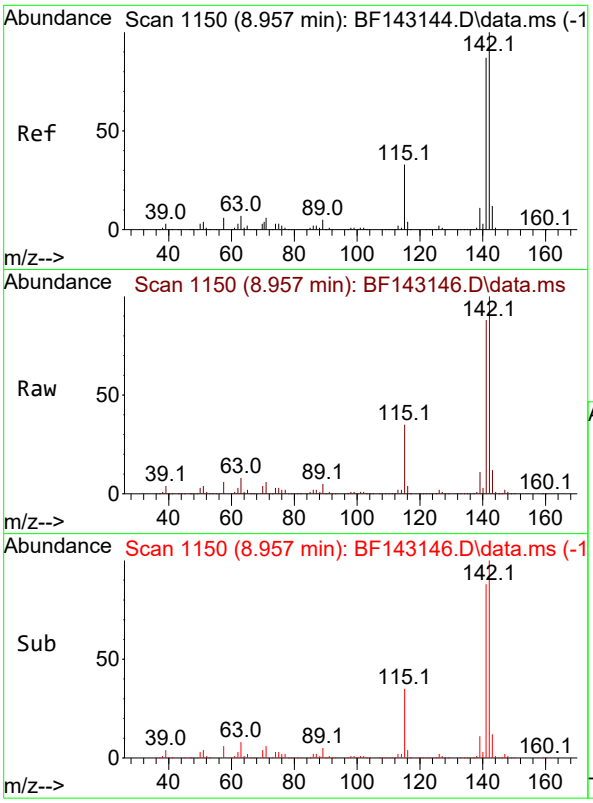


#36
4-Chloro-3-methylphenol
Concen: 58.186 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

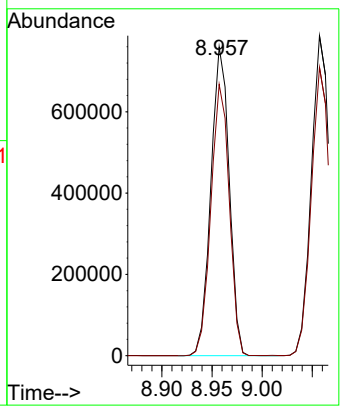
Tgt Ion:142 Resp: 96603

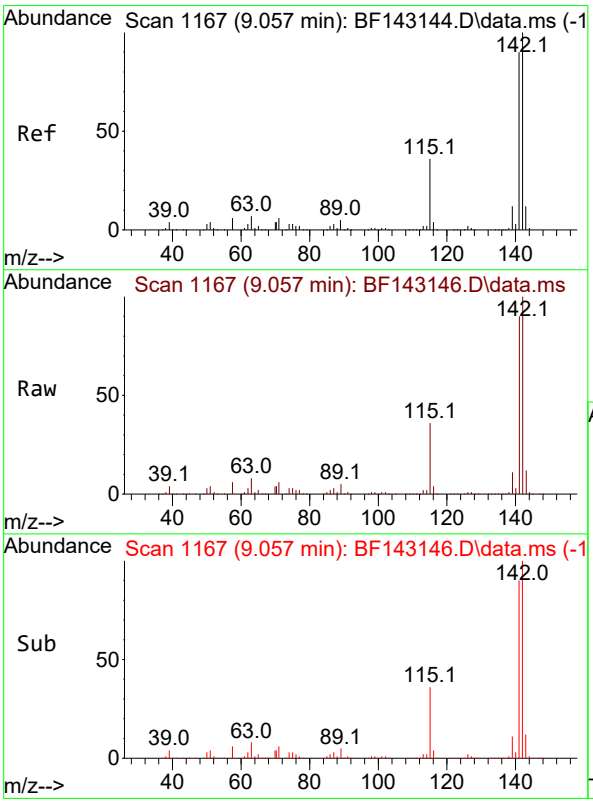
Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

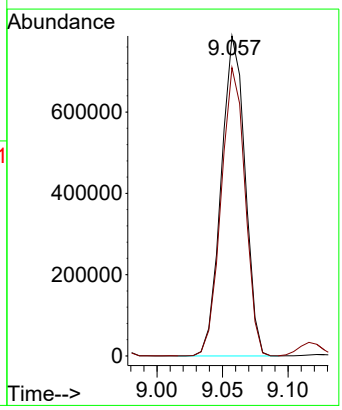


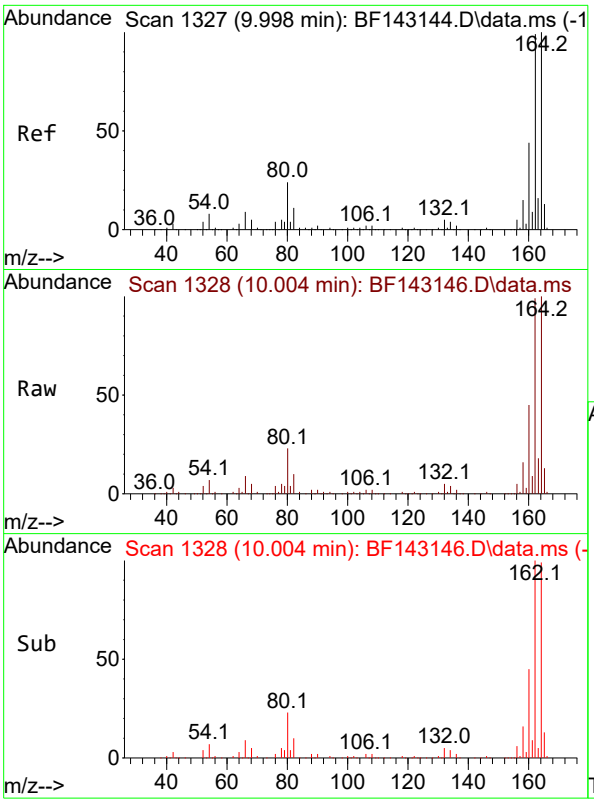


#38
1-Methylnaphthalene
Concen: 56.329 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

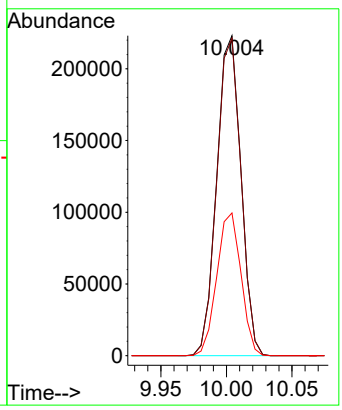
Tgt Ion:164 Resp: 28654

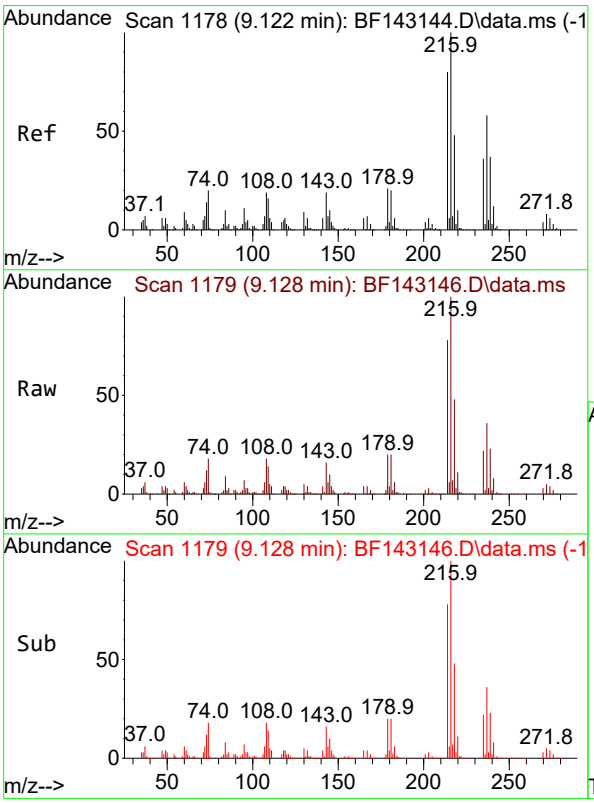
Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.0	118.6
160	44.6	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

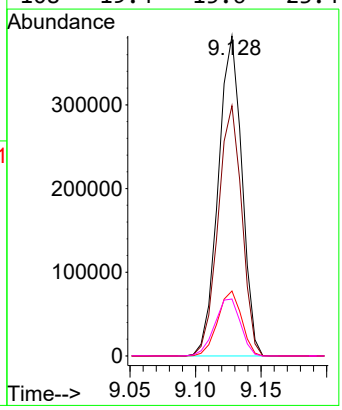


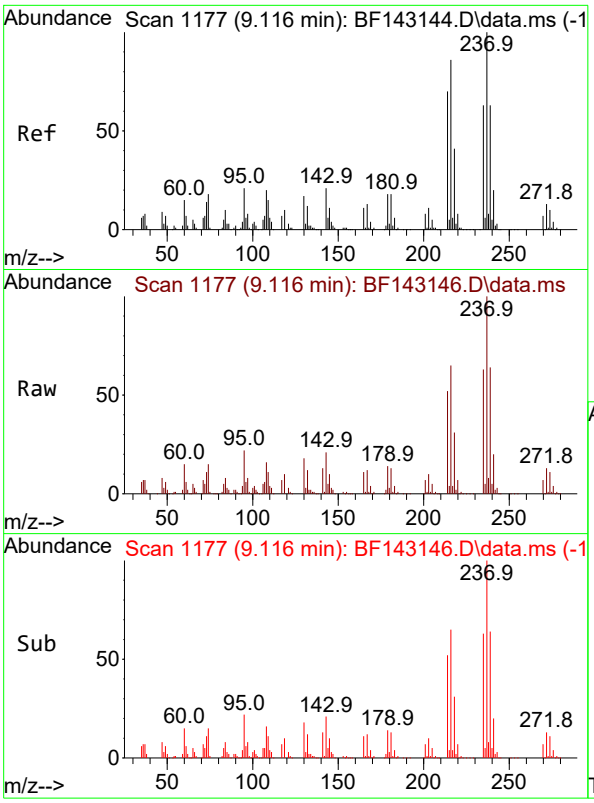


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.955 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

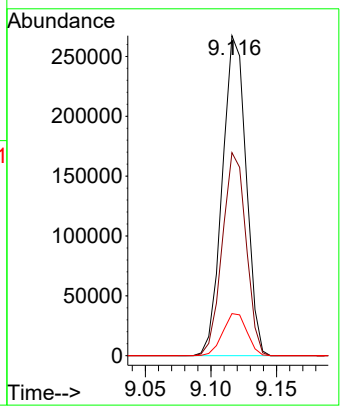
Tgt Ion:237 Resp: 33783

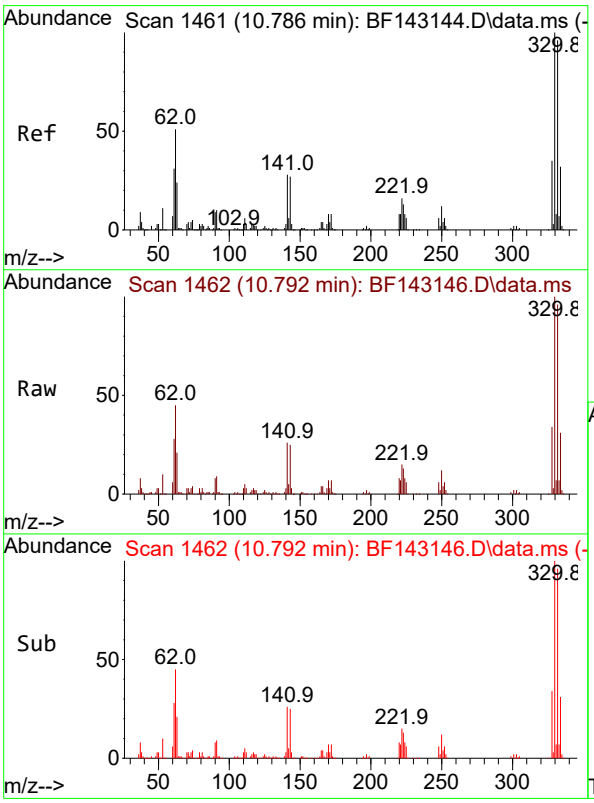
Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.0	83.0
272	13.2	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

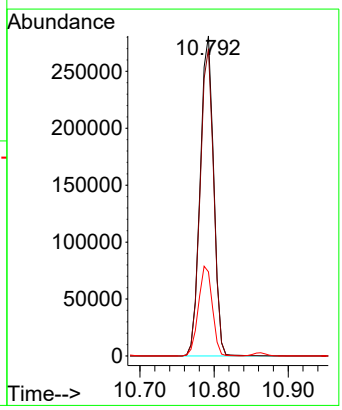


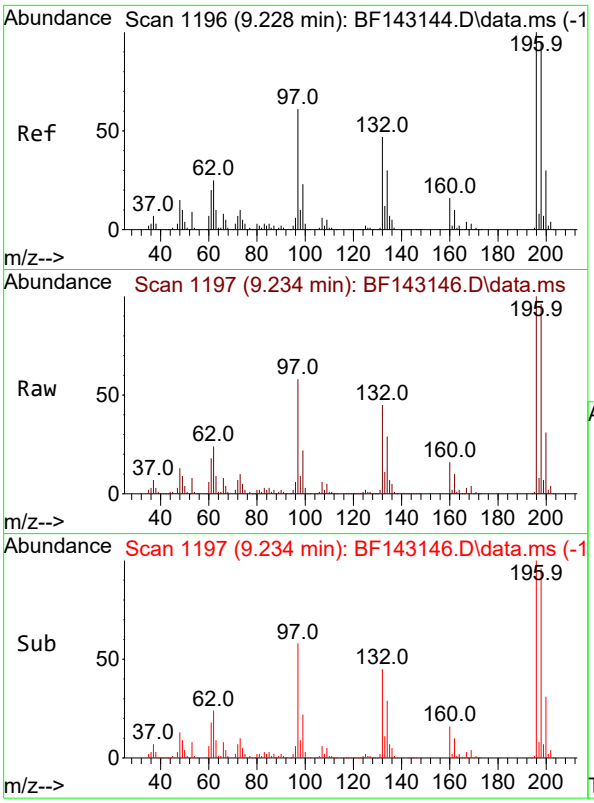


#42
2,4,6-Tribromophenol
Concen: 119.817 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

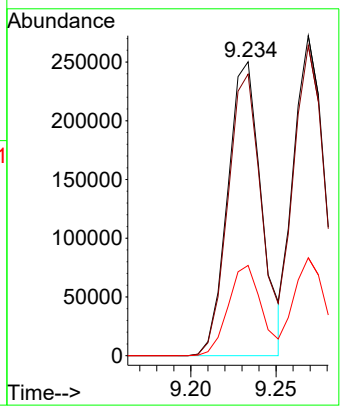
Tgt Ion:196 Resp: 34494

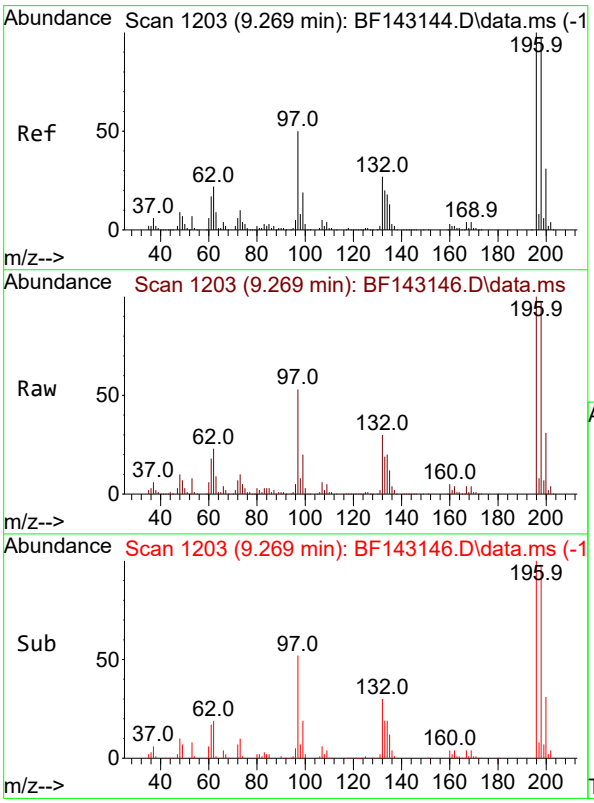
Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.2	114.2
200	30.7	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

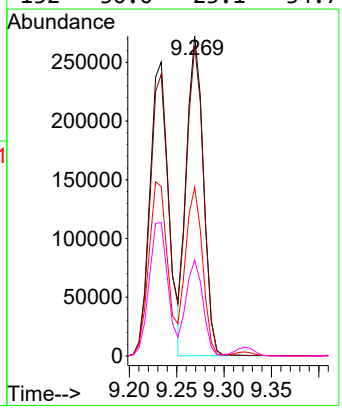


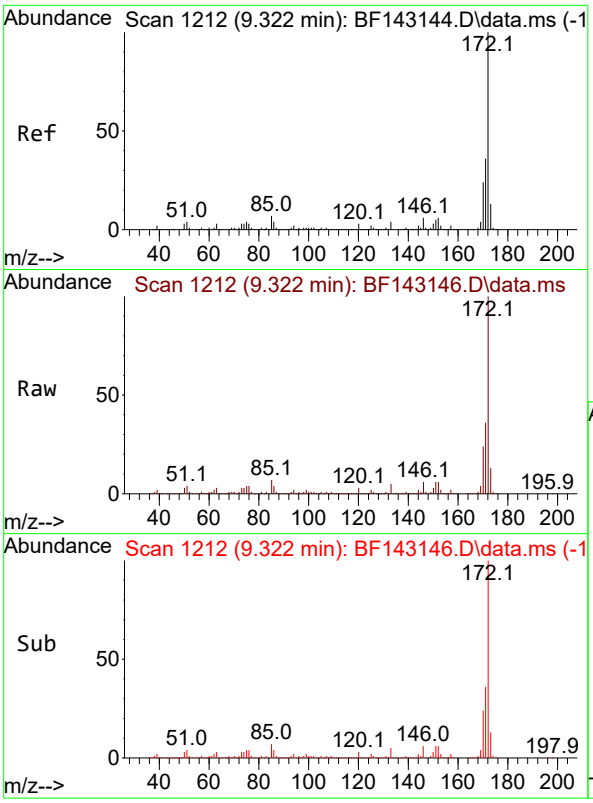


#44
2,4,5-Trichlorophenol
Concen: 59.305 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

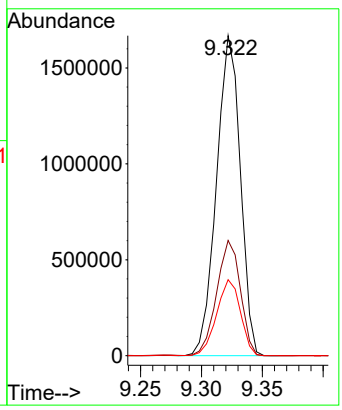
Tgt Ion:172 Resp: 227450

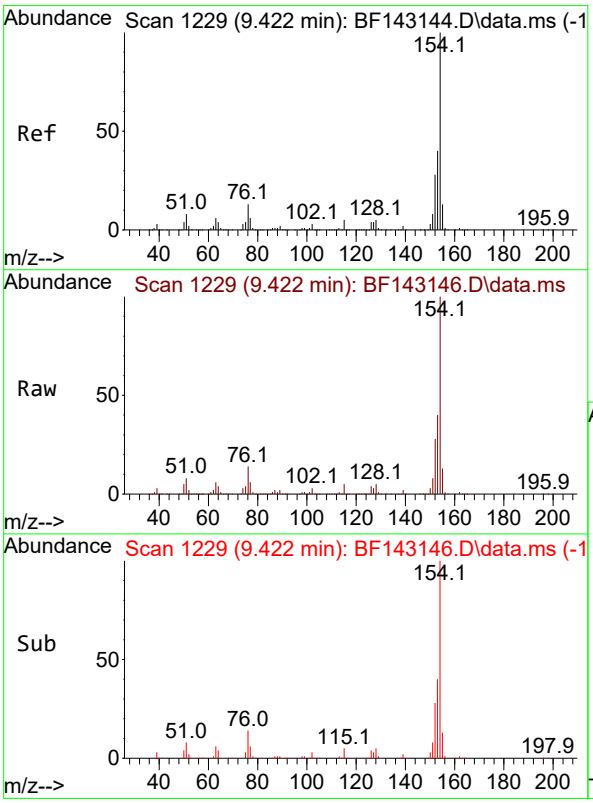
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	23.7	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

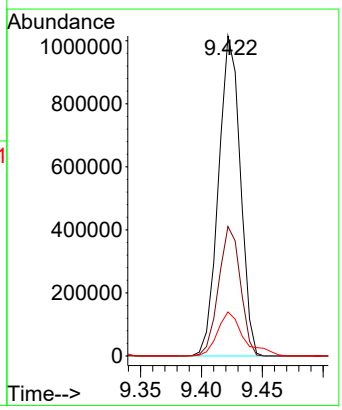


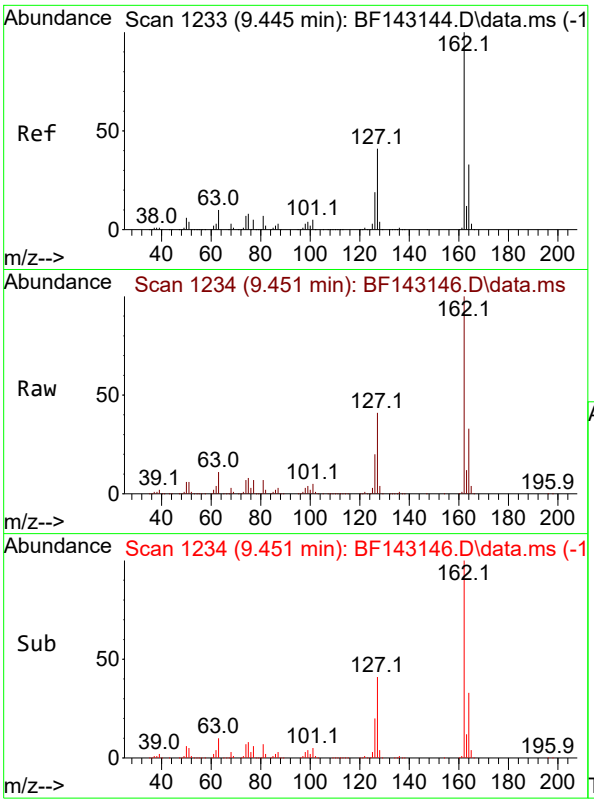


#46
1,1'-Biphenyl
Concen: 56.610 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

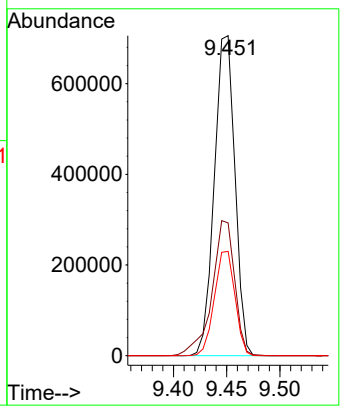
Tgt Ion:162 Resp: 94891

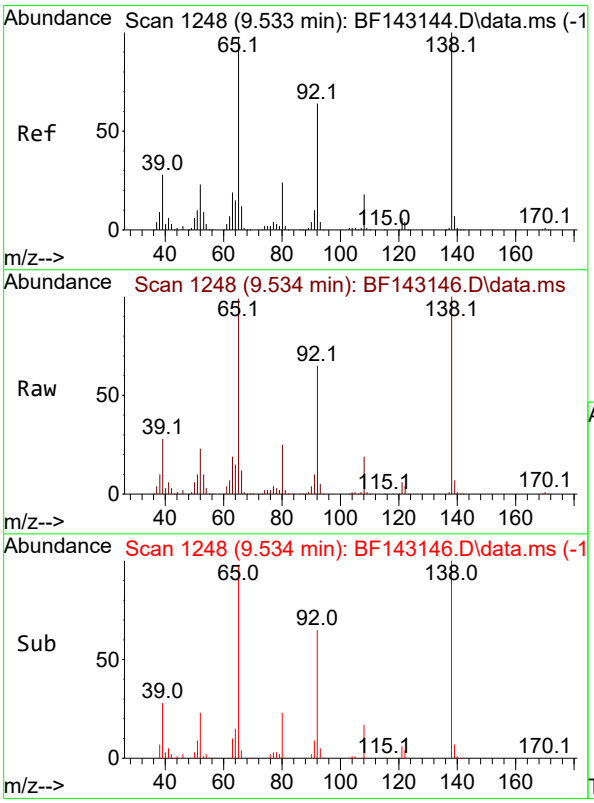
Ion	Ratio	Lower	Upper
162	100		
127	41.5	33.4	50.2
164	32.6	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

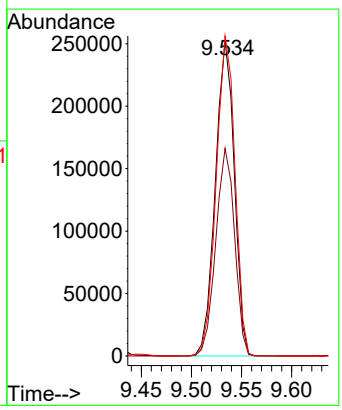


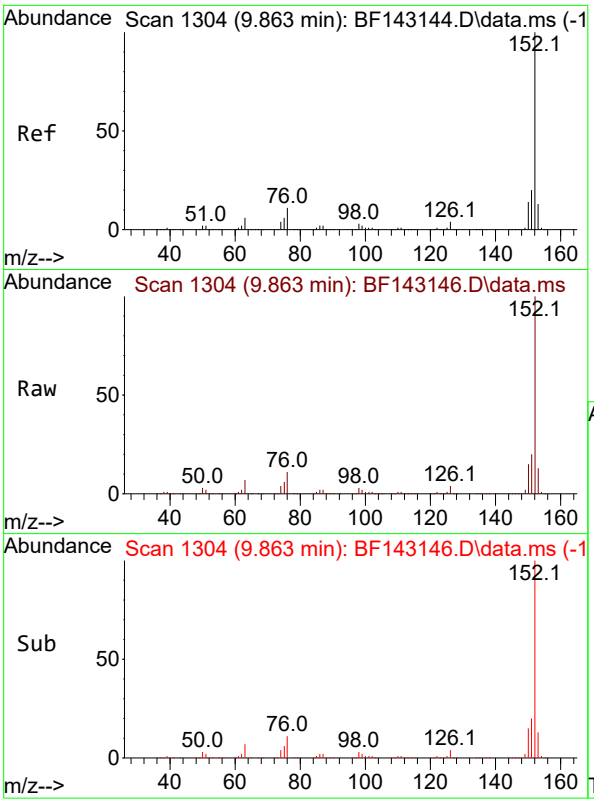


#48
2-Nitroaniline
Concen: 63.904 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

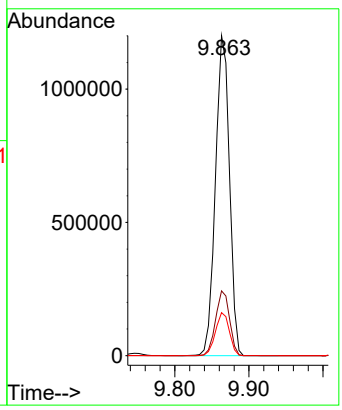
Tgt Ion:152 Resp: 157624

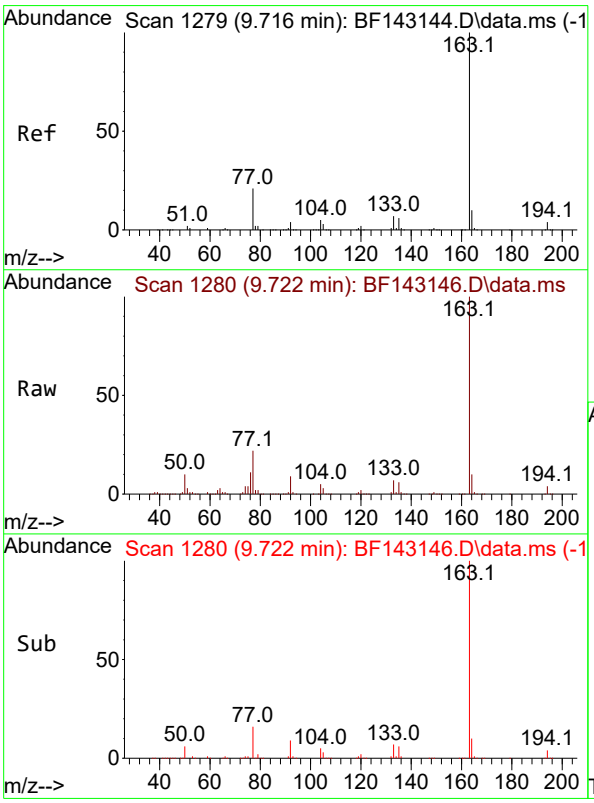
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.5	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

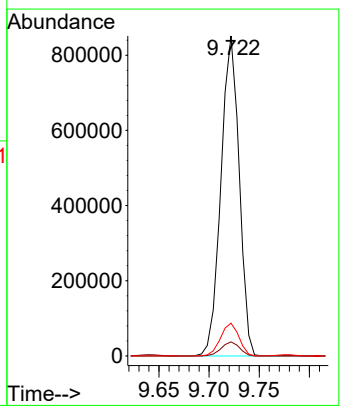


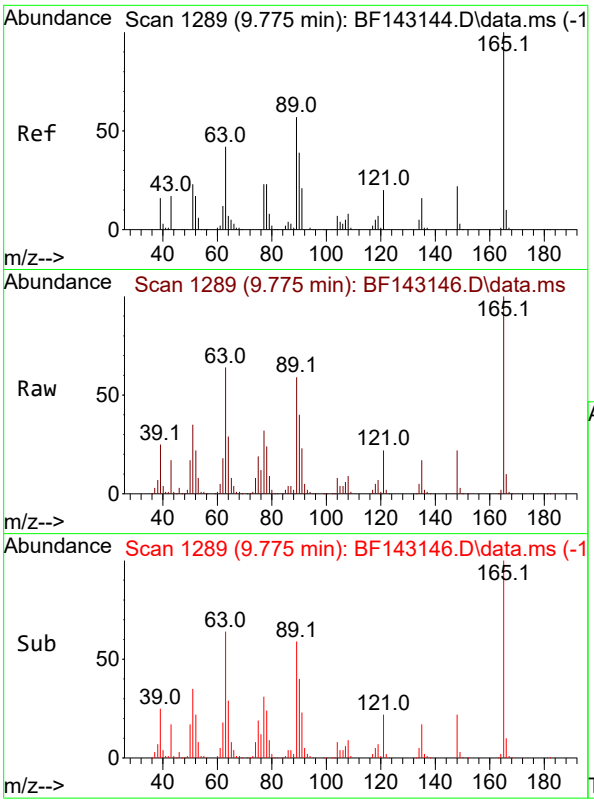


#50
Dimethylphthalate
Concen: 57.558 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

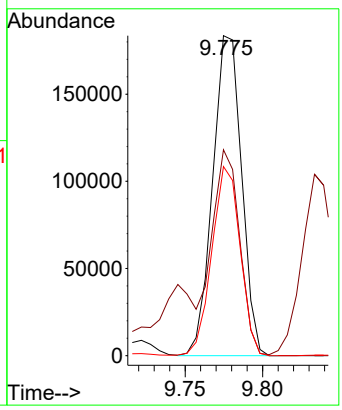
Tgt Ion:165 Resp: 23810

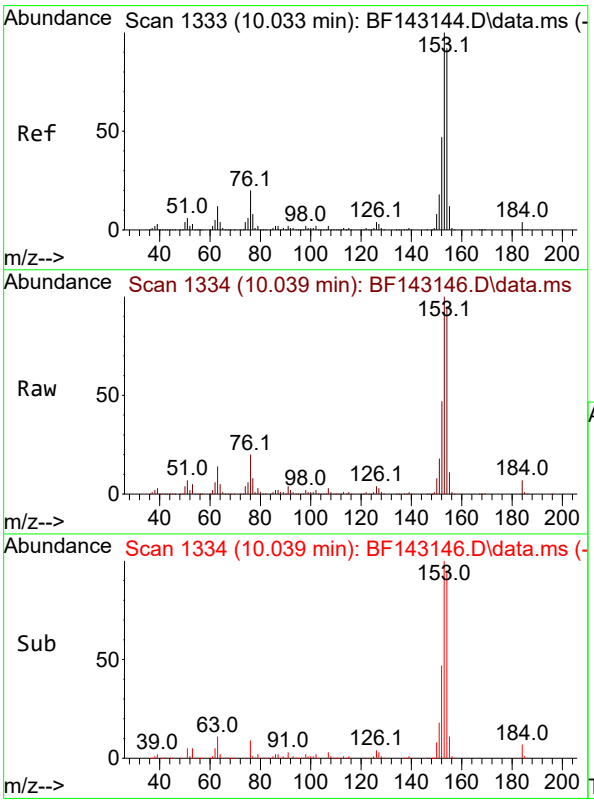
Ion	Ratio	Lower	Upper
165	100		
63	64.4	49.4	74.2
89	59.1	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

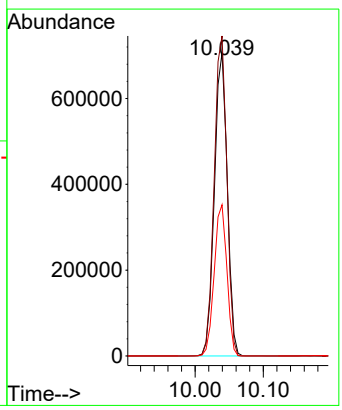


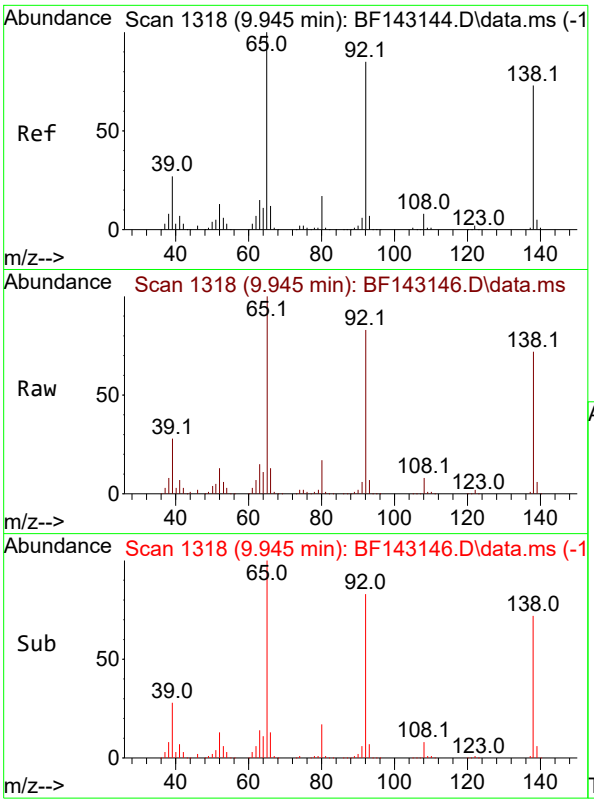


#52
Acenaphthene
Concen: 56.814 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

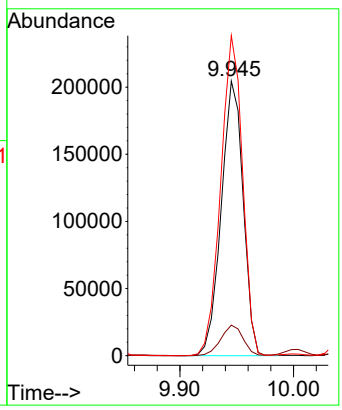
Tgt Ion:138 Resp: 27350

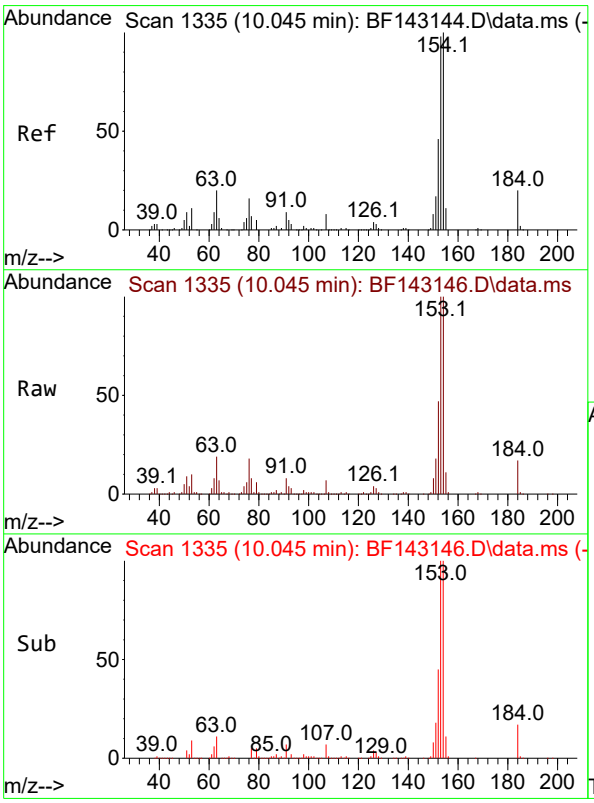
Ion	Ratio	Lower	Upper
138	100		
108	11.1	9.0	13.6
92	116.5	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

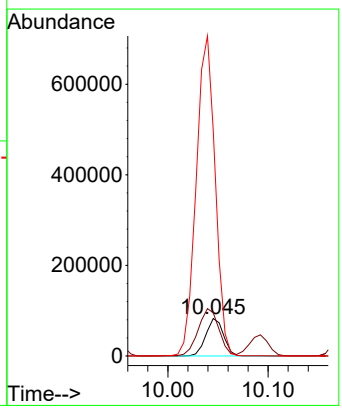


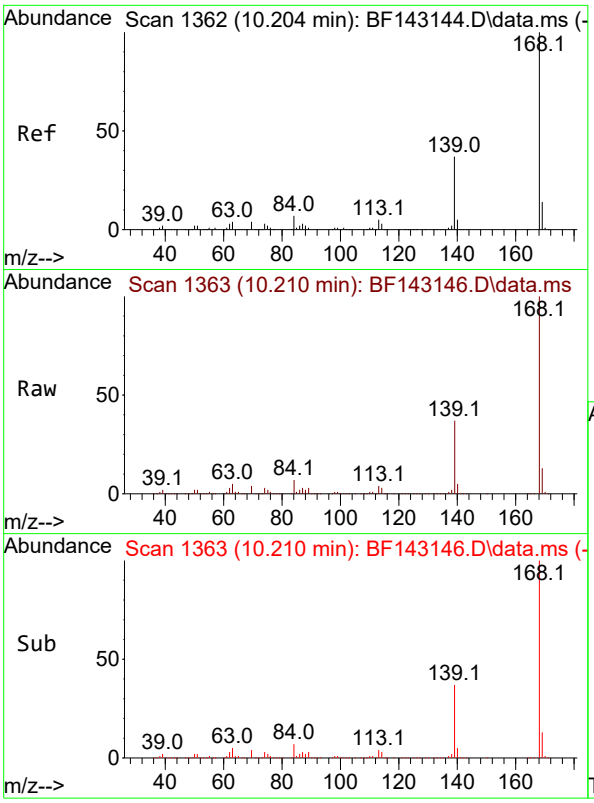


#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

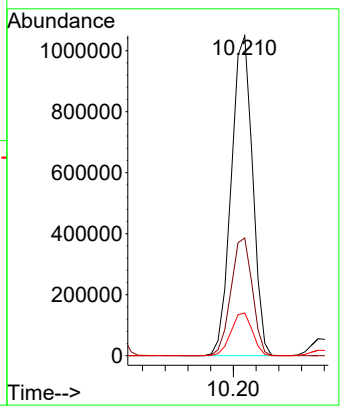
Tgt Ion:168 Resp: 136453

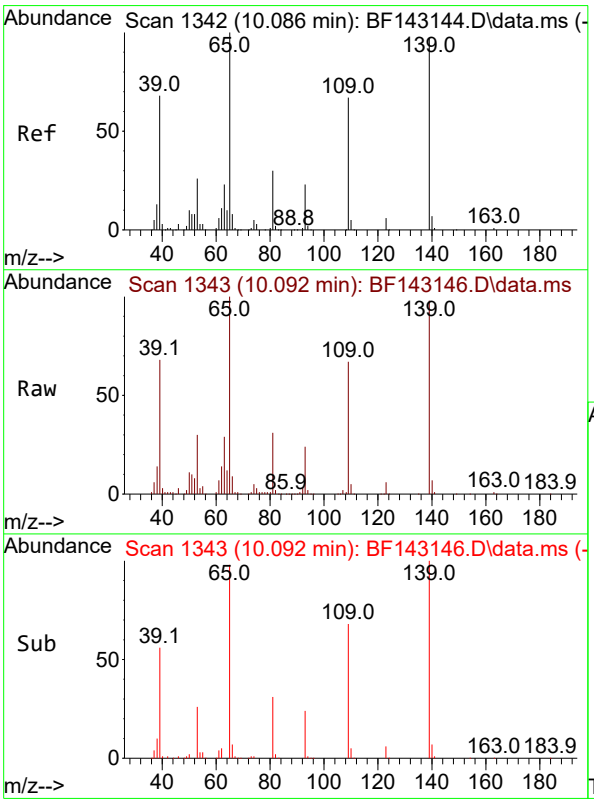
Ion	Ratio	Lower	Upper
168	100		
139	36.7	29.5	44.3
169	13.4	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

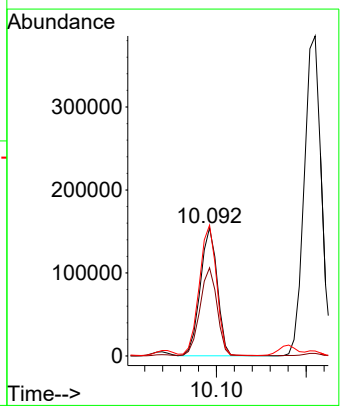


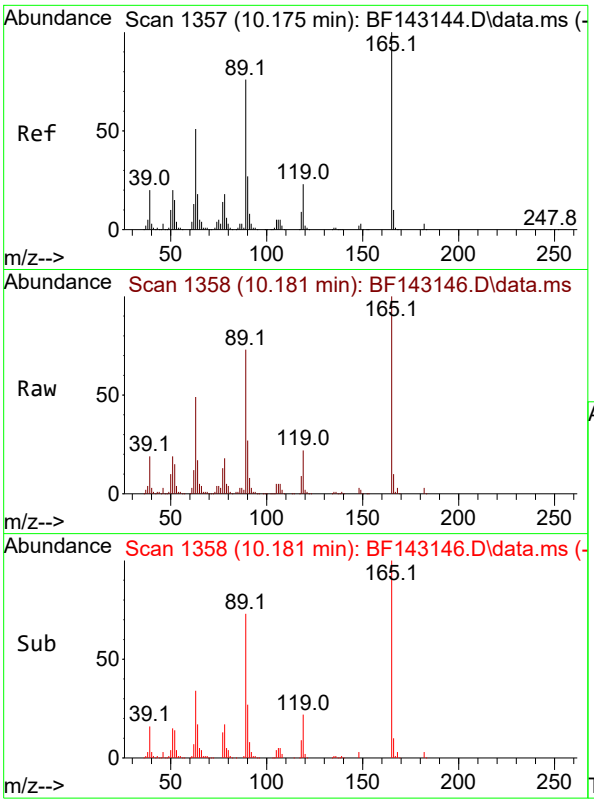


#56
4-Nitrophenol
Concen: 61.312 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

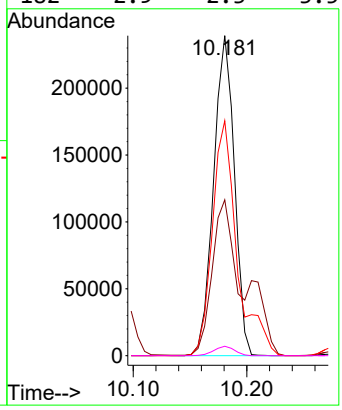




#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:165 Resp: 30446

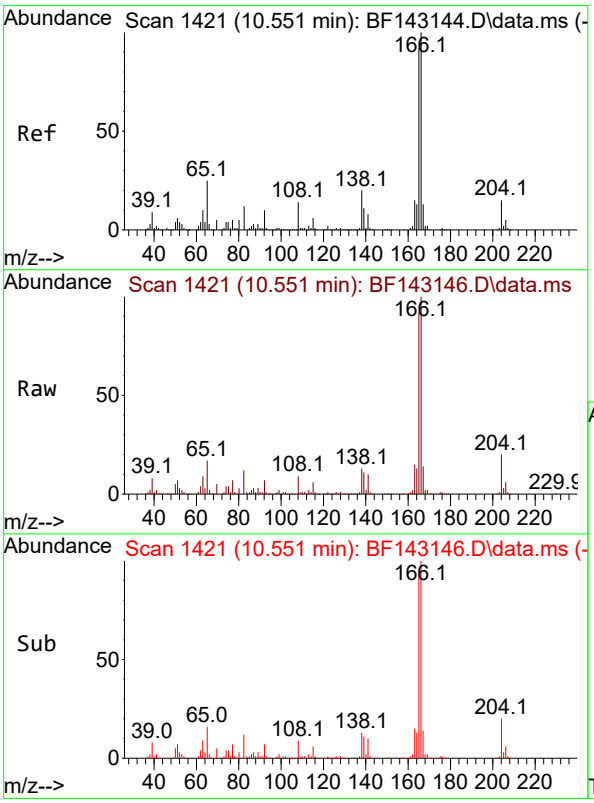
Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	73.4	61.1	91.7
182	2.9	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

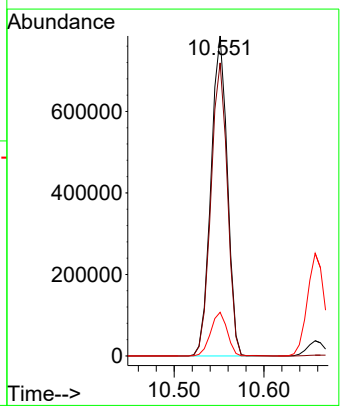
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

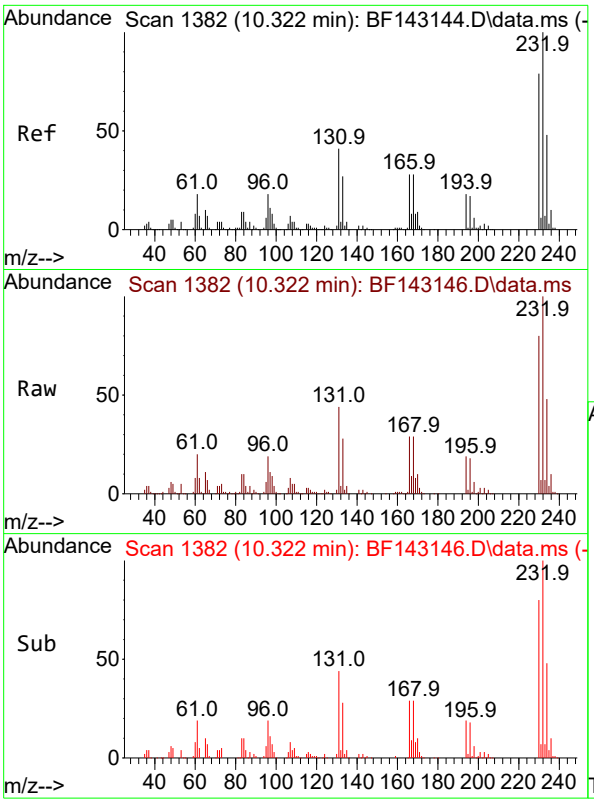


#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

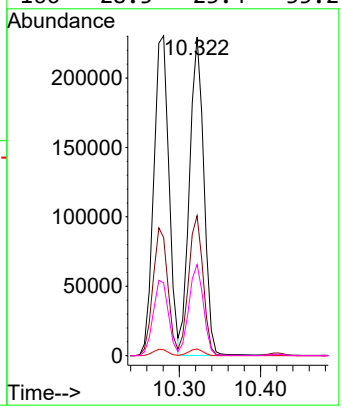




#59
2,3,4,6-Tetrachlorophenol
Concen: 59.678 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:232 Resp: 28312

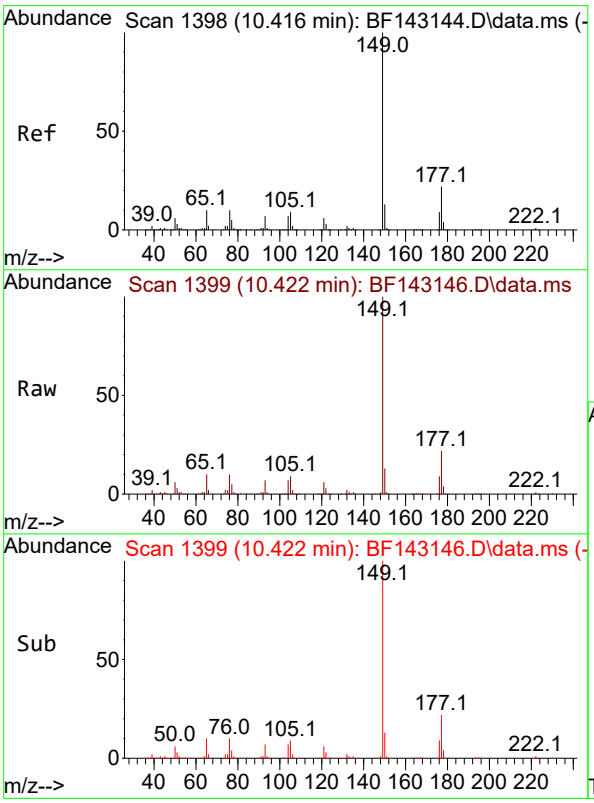
Ion	Ratio	Lower	Upper
232	100		
131	44.2	35.3	52.9
130	2.1	1.7	2.5
166	28.5	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

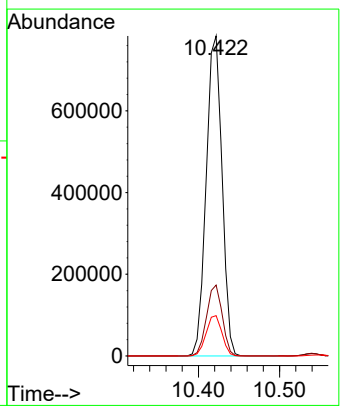
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

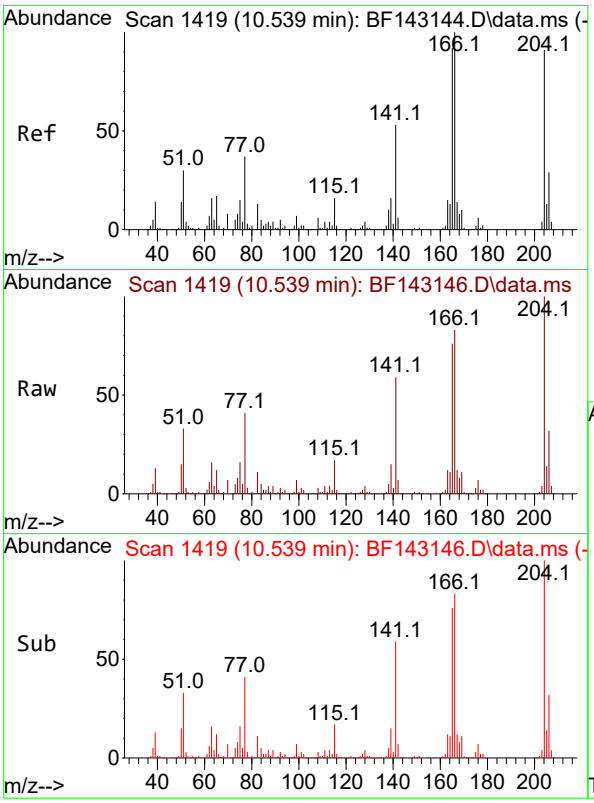


#60
Diethylphthalate
Concen: 57.301 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

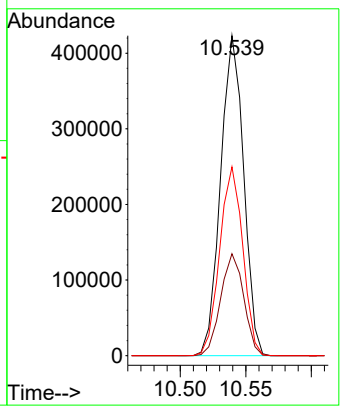
Tgt Ion:204 Resp: 516980

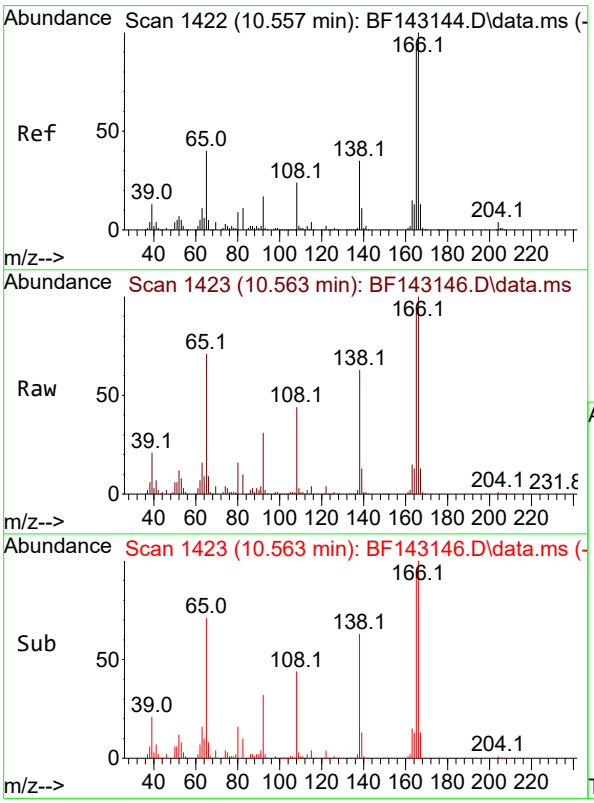
Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.8
141	59.0	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

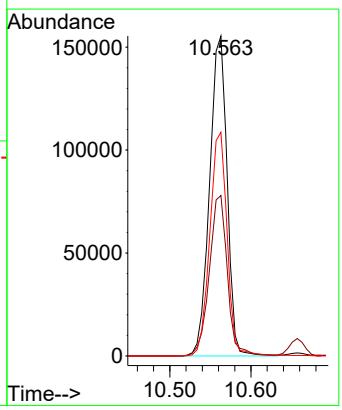


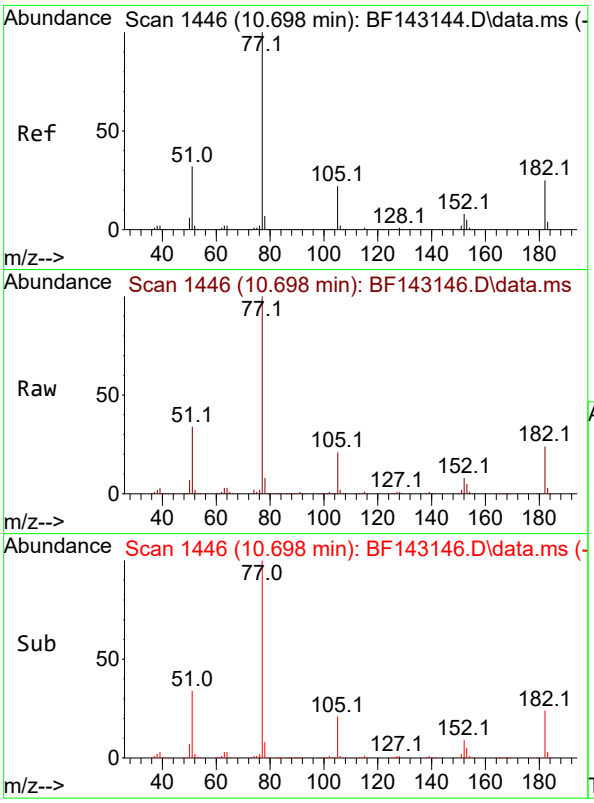


#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

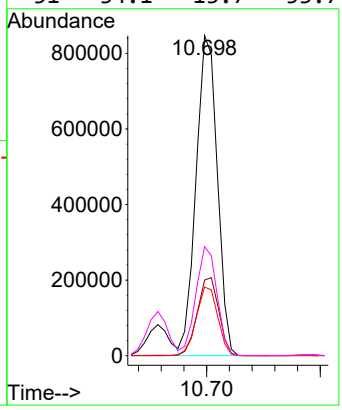




#63
Azobenzene
Concen: 57.107 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion: 77 Resp: 109877

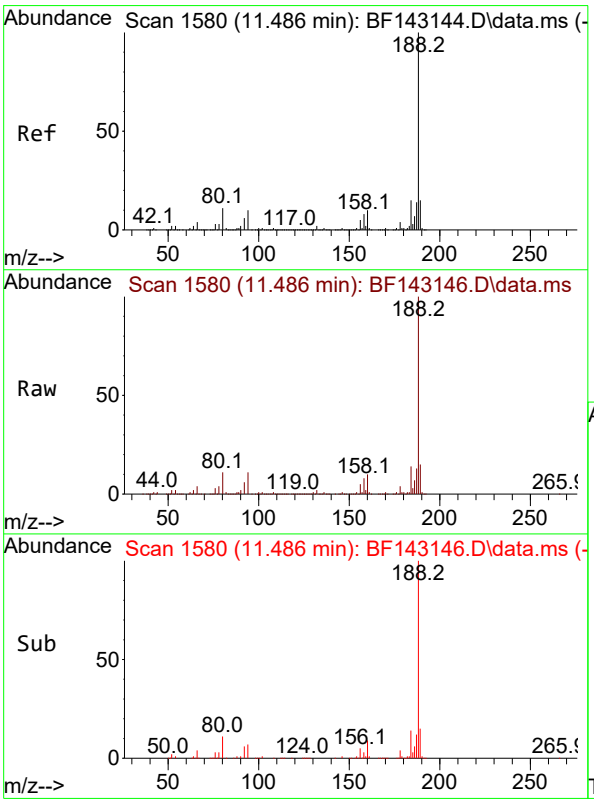
Ion	Ratio	Lower	Upper
77	100		
182	23.6	4.6	44.6
105	21.4	1.4	41.4
51	34.1	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

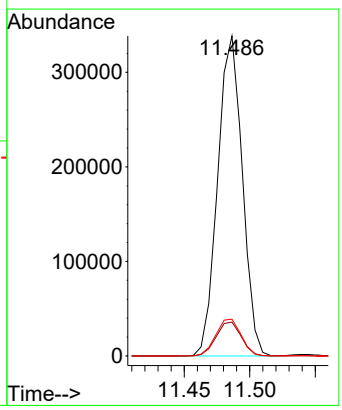
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

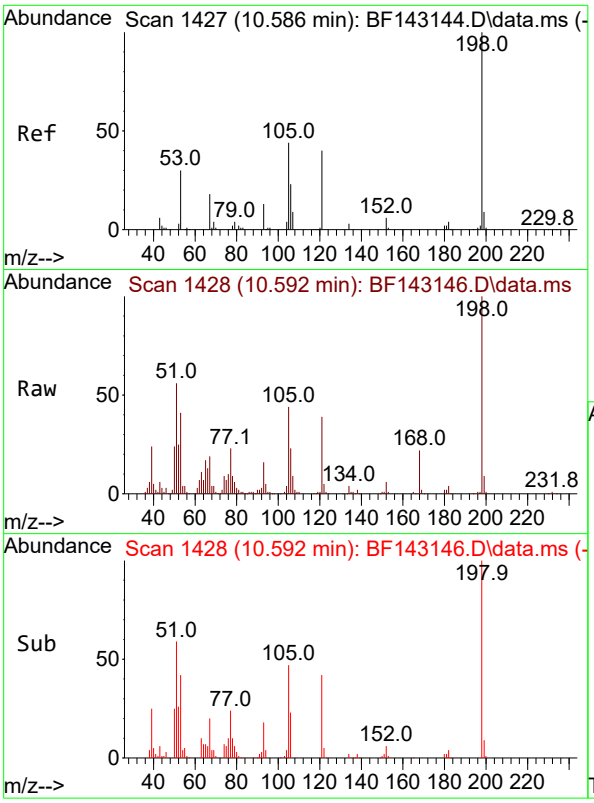


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

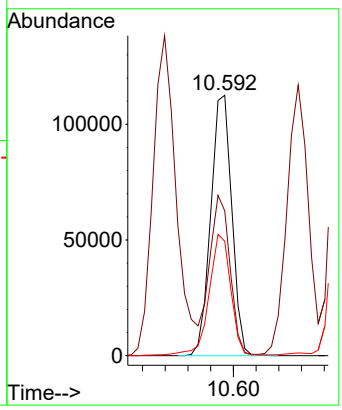
Tgt Ion:198 Resp: 14475

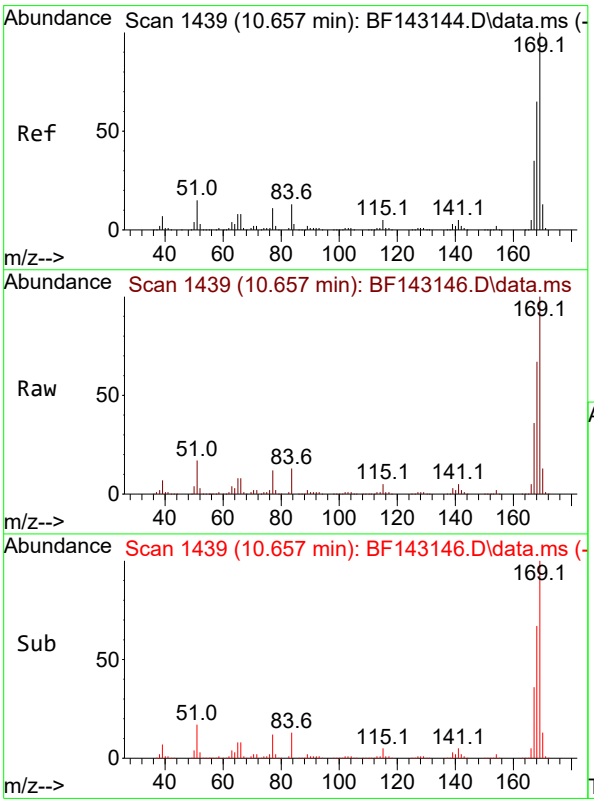
Ion	Ratio	Lower	Upper
198	100		
51	55.6	37.2	77.2
105	43.9	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

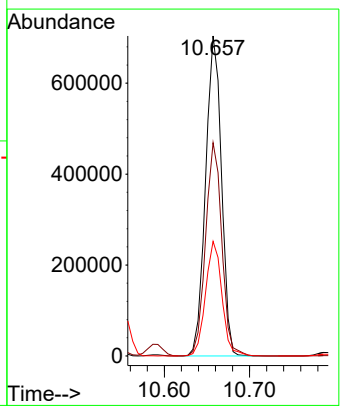


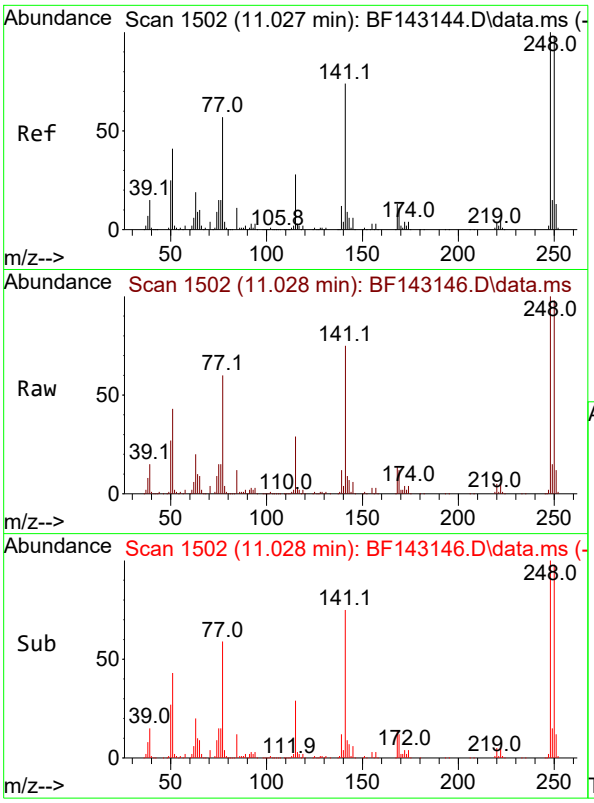


#66
n-Nitrosodiphenylamine
Concen: 58.380 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

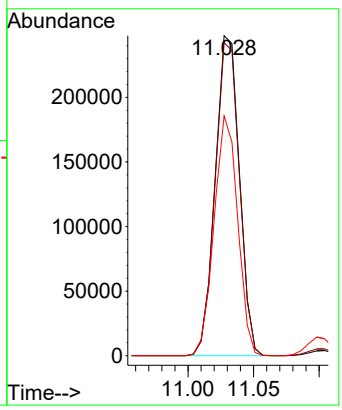
Tgt Ion:248 Resp: 31808

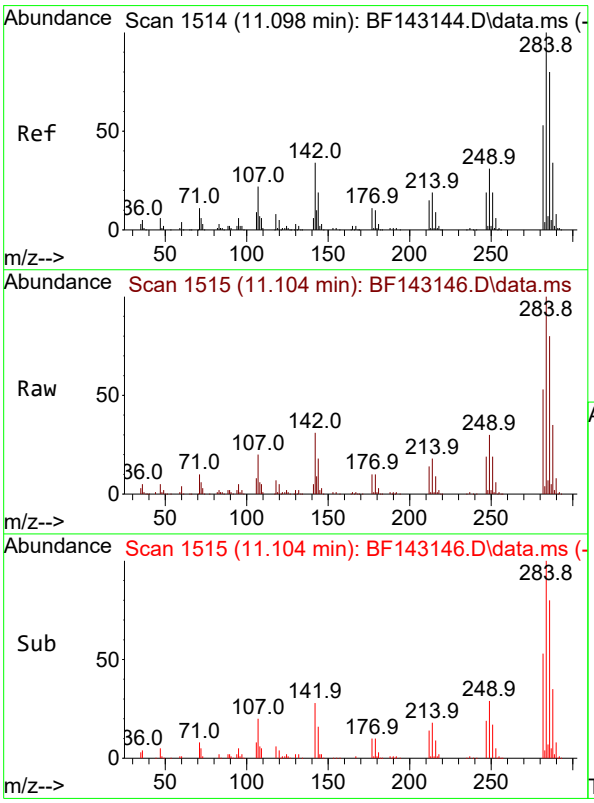
Ion	Ratio	Lower	Upper
248	100		
250	97.9	78.3	117.5
141	75.0	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

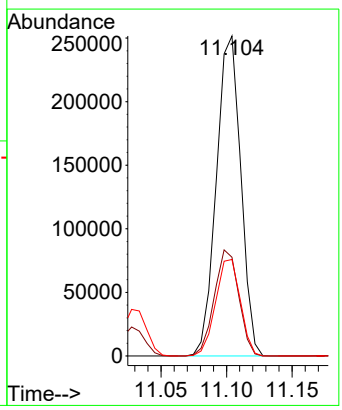


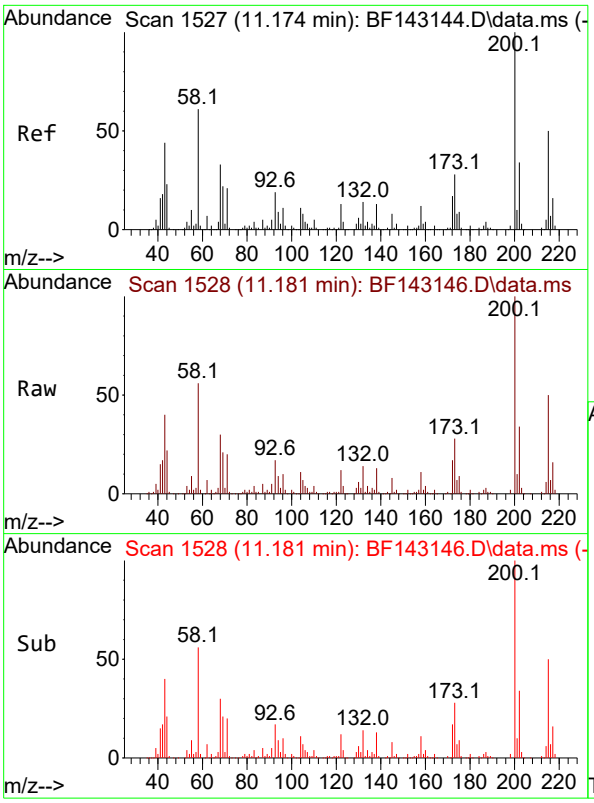


#68
Hexachlorobenzene
Concen: 59.054 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

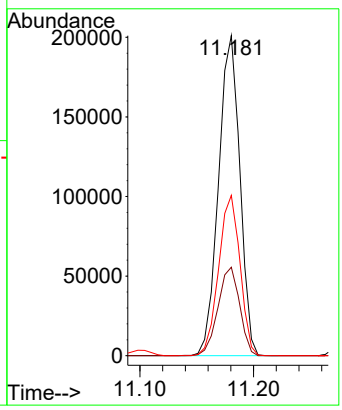
Tgt Ion:200 Resp: 26237

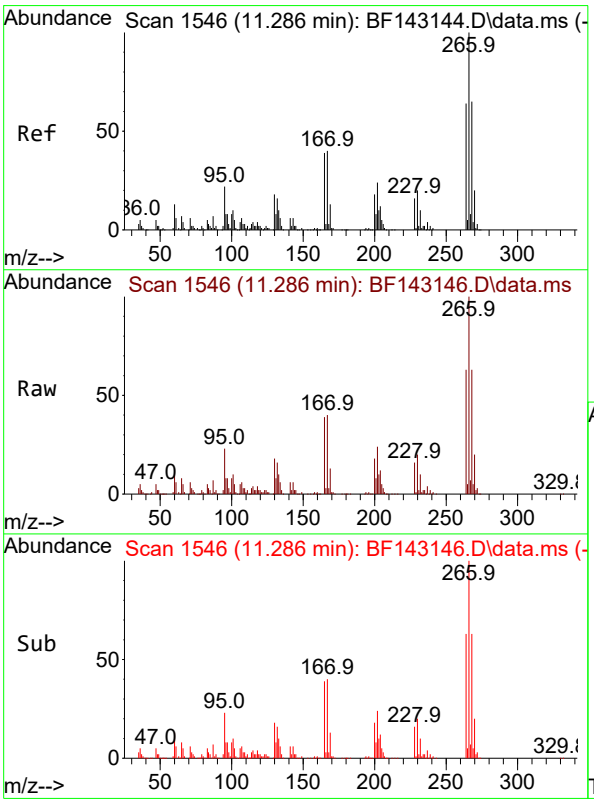
Ion	Ratio	Lower	Upper
200	100		
173	27.6	7.9	47.9
215	50.1	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

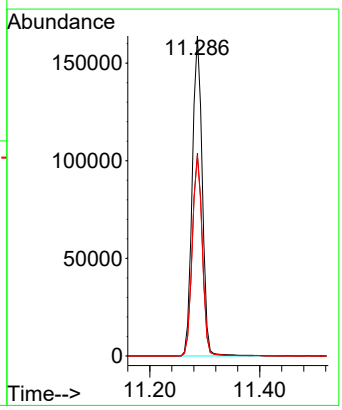


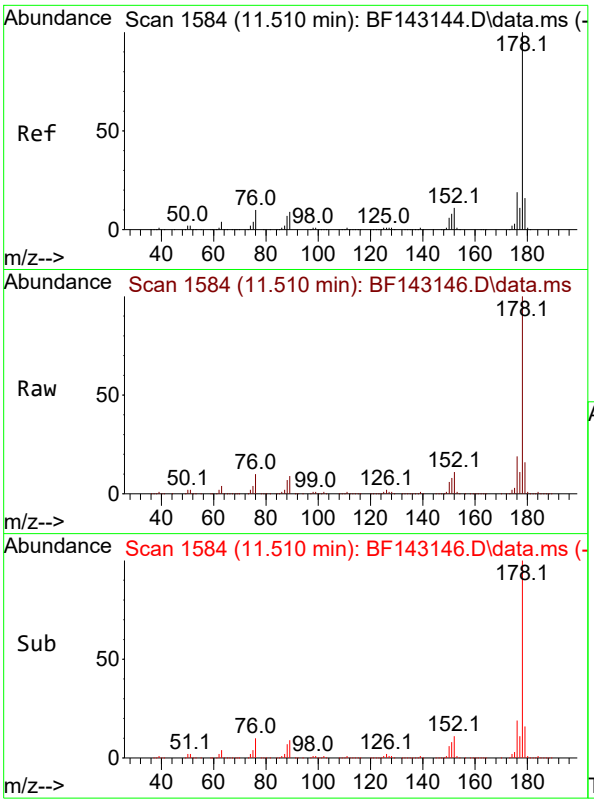


#70
Pentachlorophenol
Concen: 63.625 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

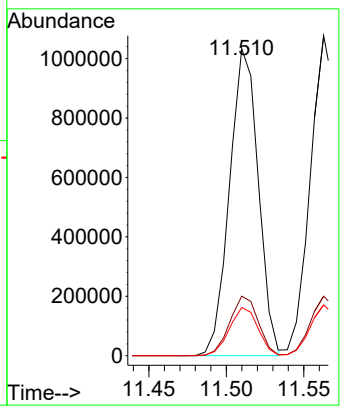
Tgt Ion:178 Resp: 133148

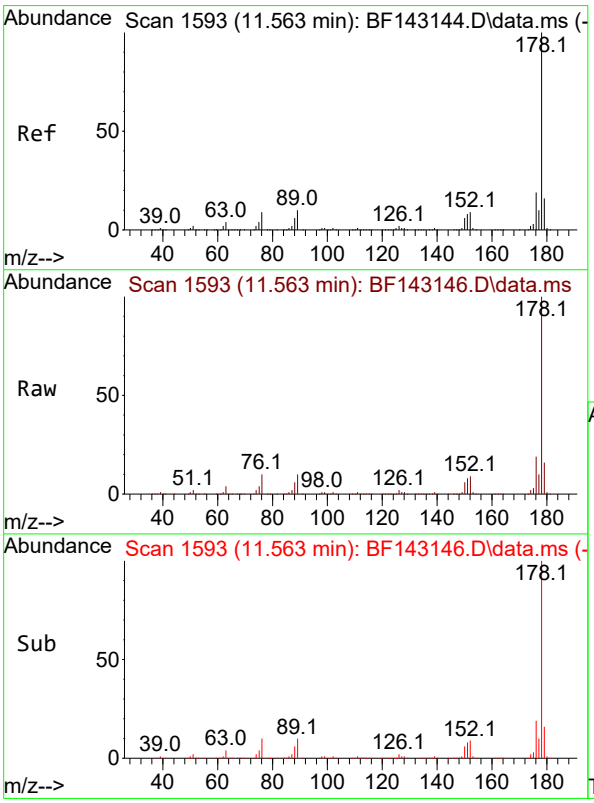
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	15.7	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

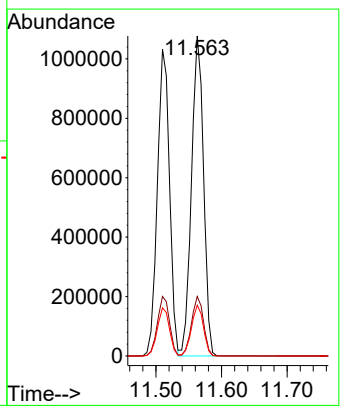


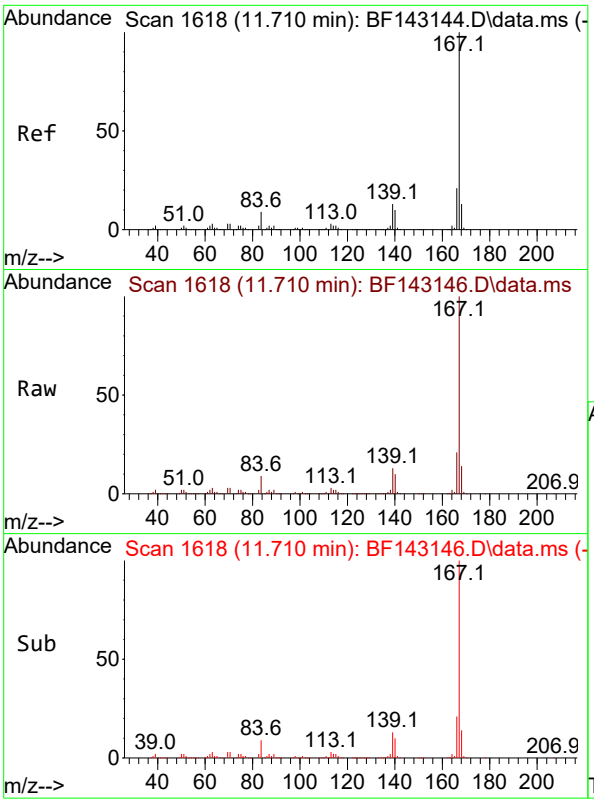


#72
Anthracene
Concen: 57.522 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

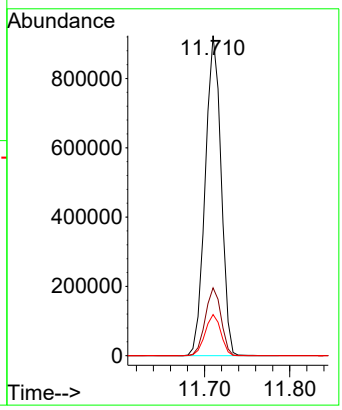
Tgt Ion:167 Resp: 119402(

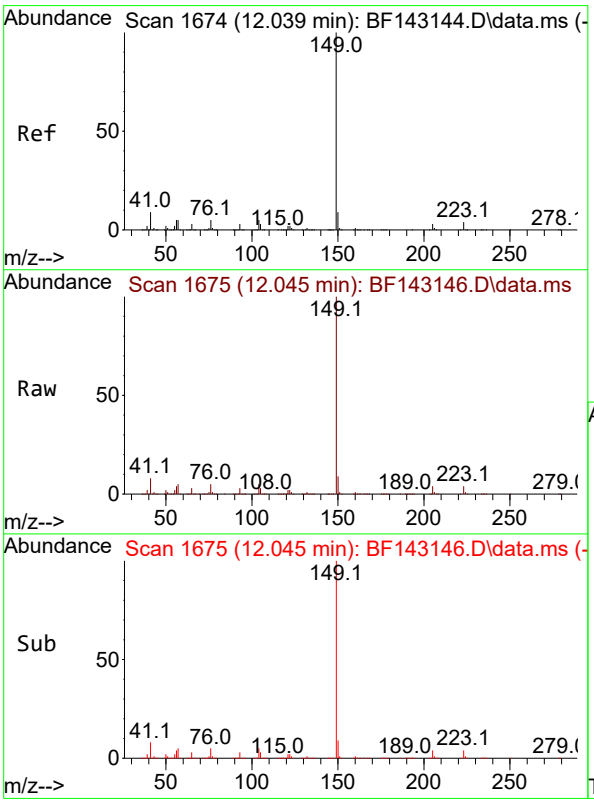
Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.0	25.6
139	12.9	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

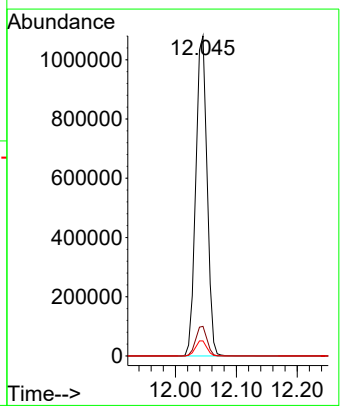


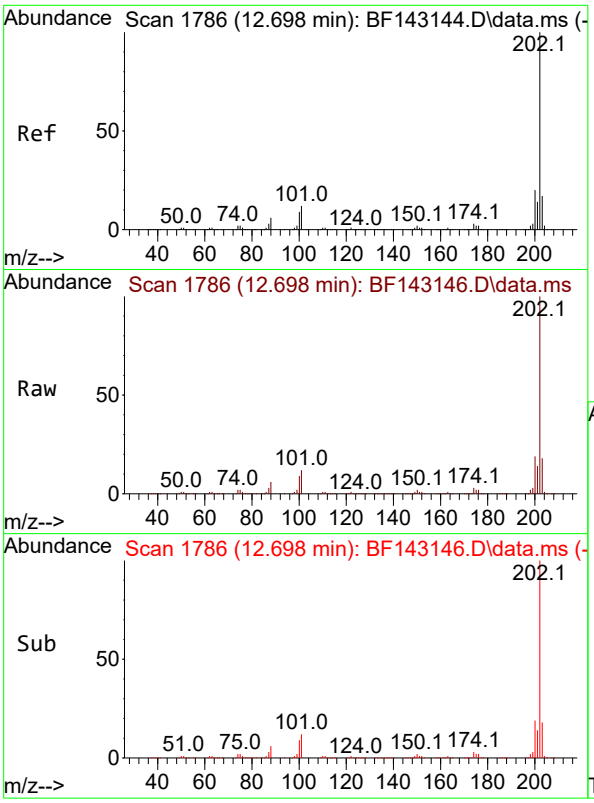


#74
Di-n-butylphthalate
Concen: 58.757 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

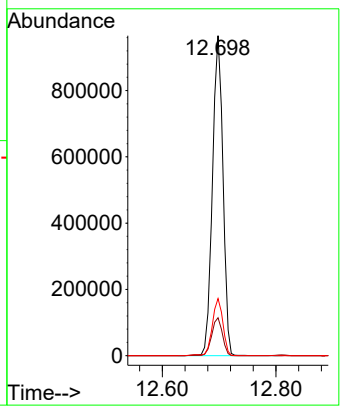
Tgt Ion:202 Resp: 123295

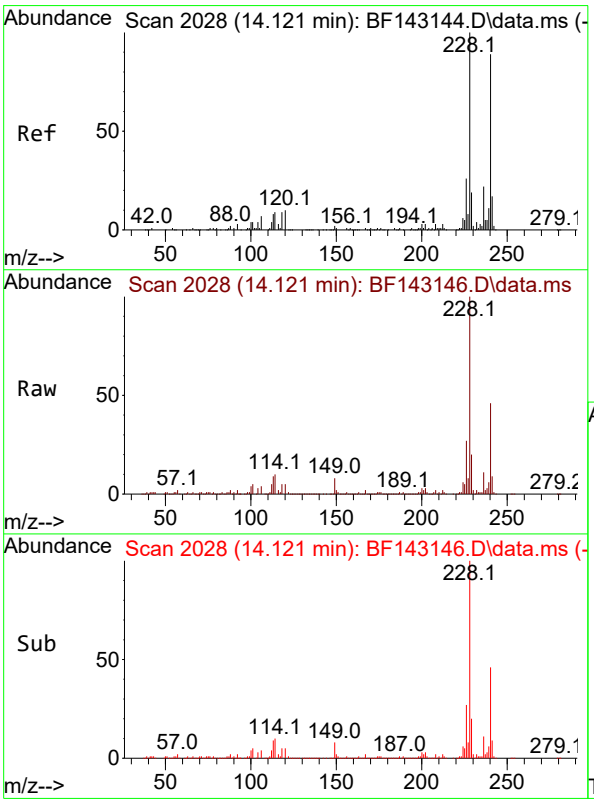
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	31.7
203	17.8	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

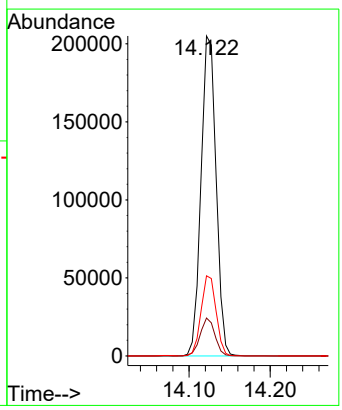


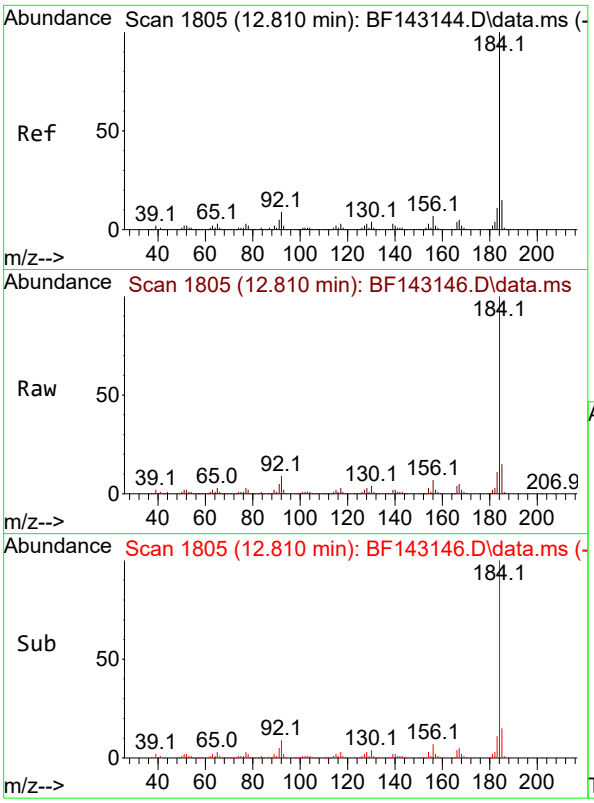


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

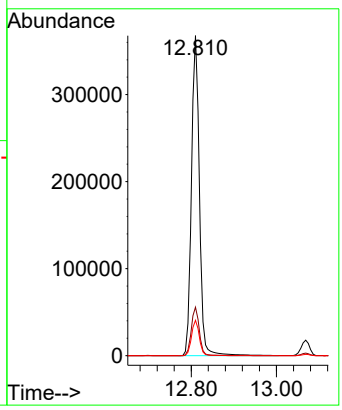
Tgt Ion:184 Resp: 47655

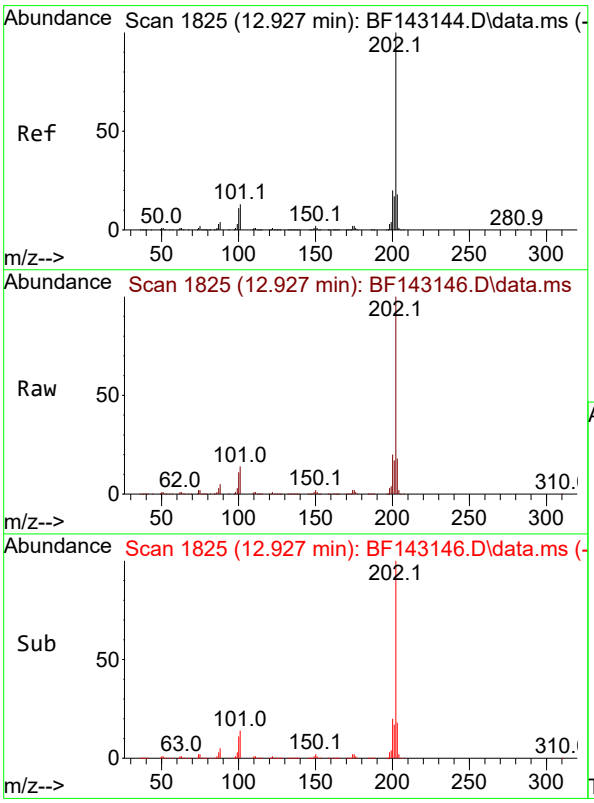
Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.4
183	11.0	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

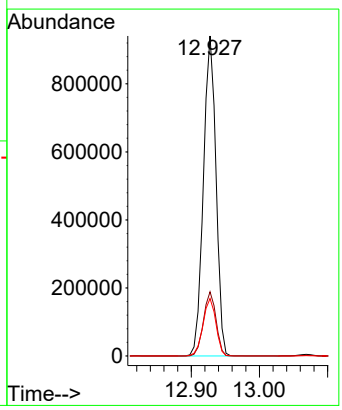


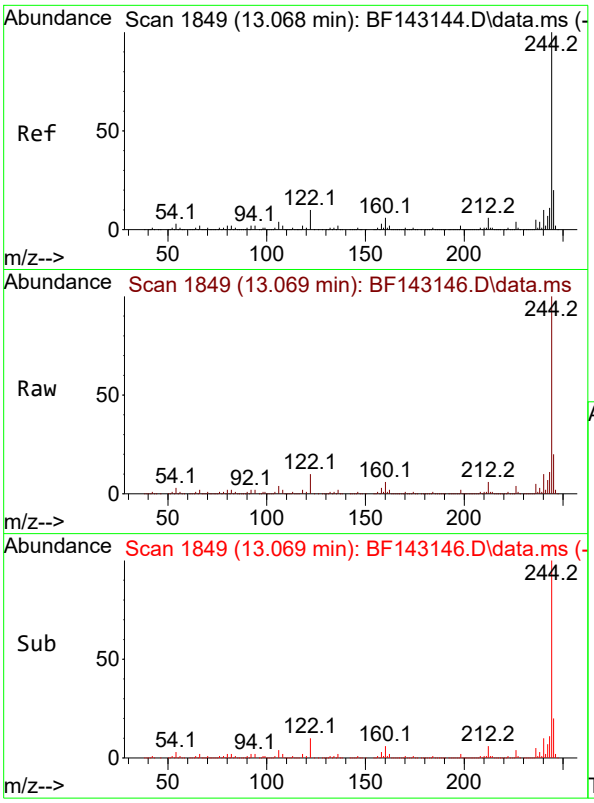


#78
Pyrene
Concen: 53.536 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

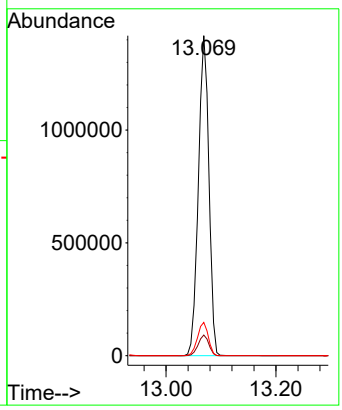
Tgt Ion:244 Resp: 188854

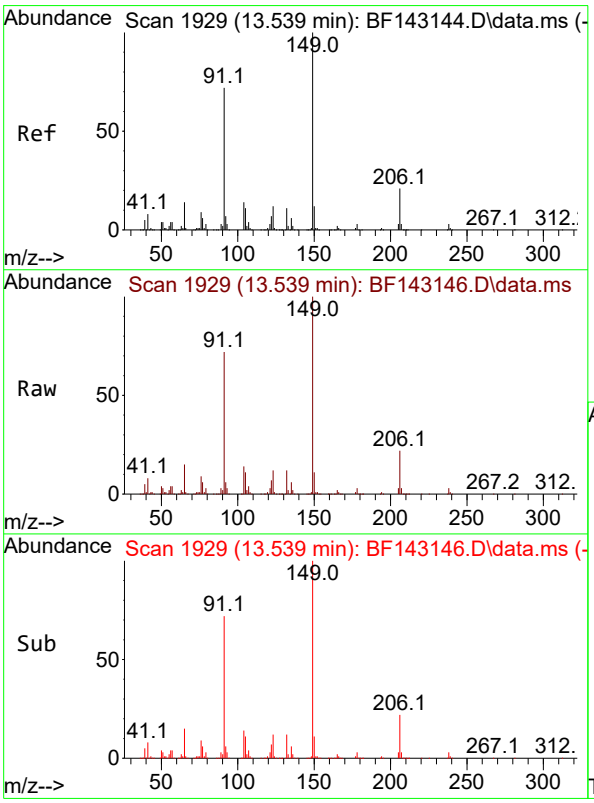
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	10.4	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

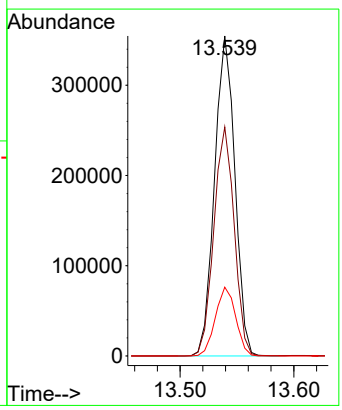


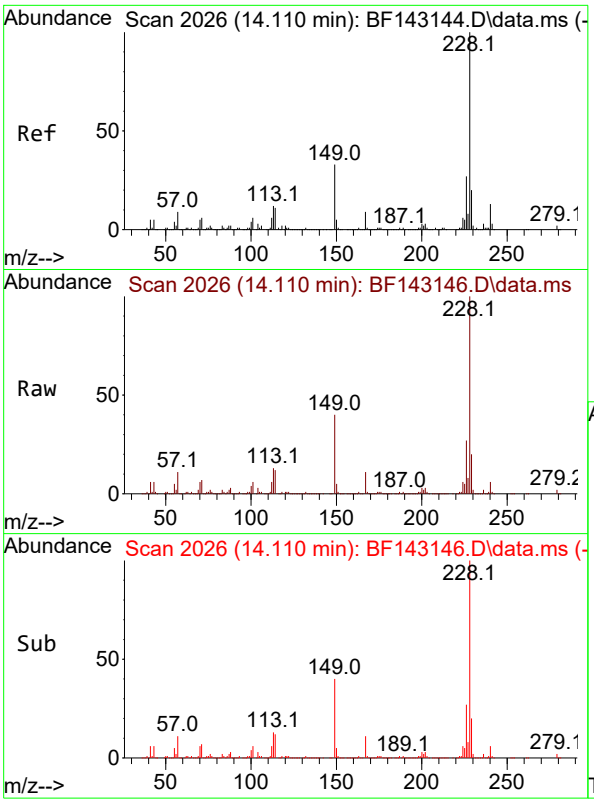


#80
Butylbenzylphthalate
Concen: 63.875 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

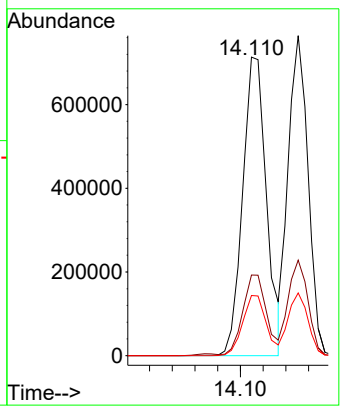
Tgt Ion:228 Resp: 104123(

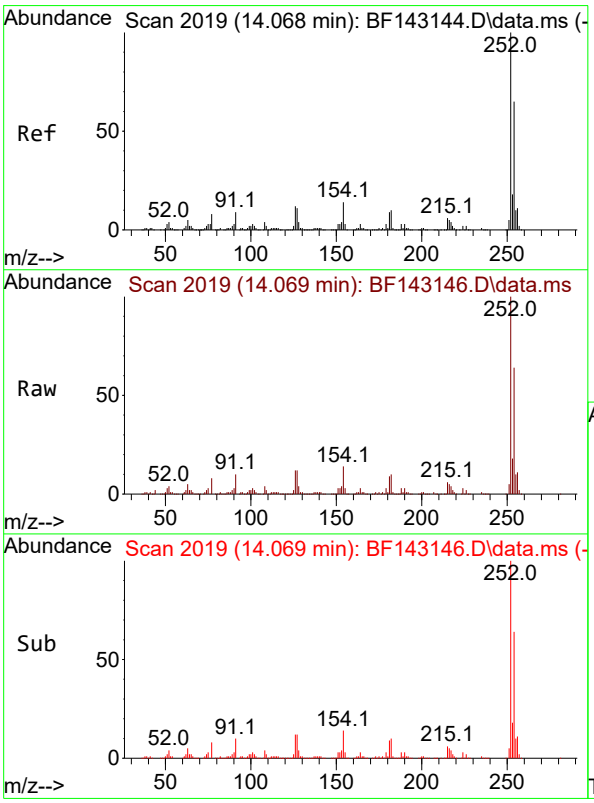
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	20.2	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

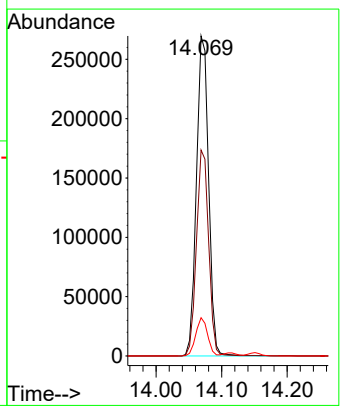


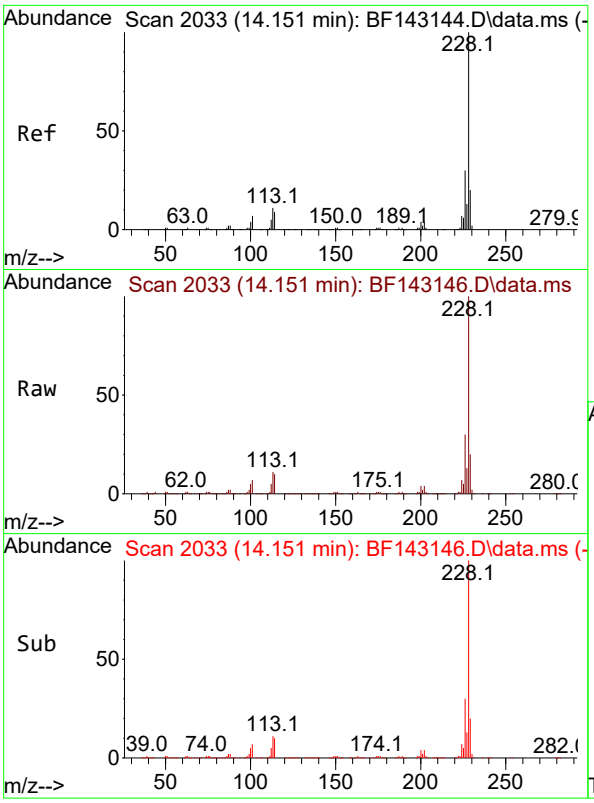


#82
3,3'-Dichlorobenzidine
Concen: 59.155 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

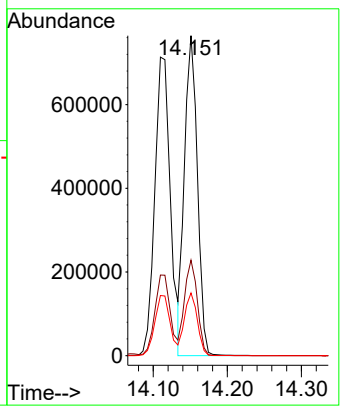
Tgt Ion:228 Resp: 93054

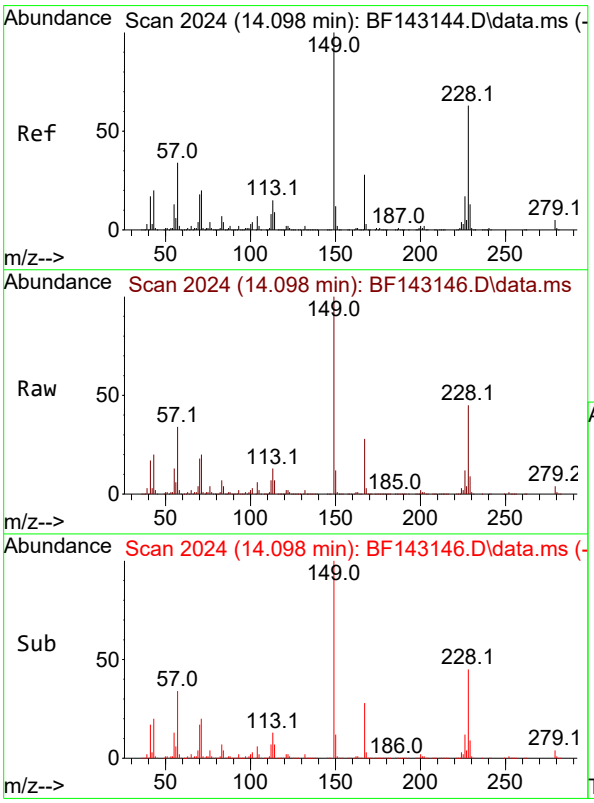
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.6	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

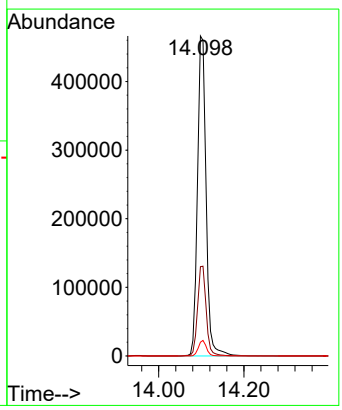


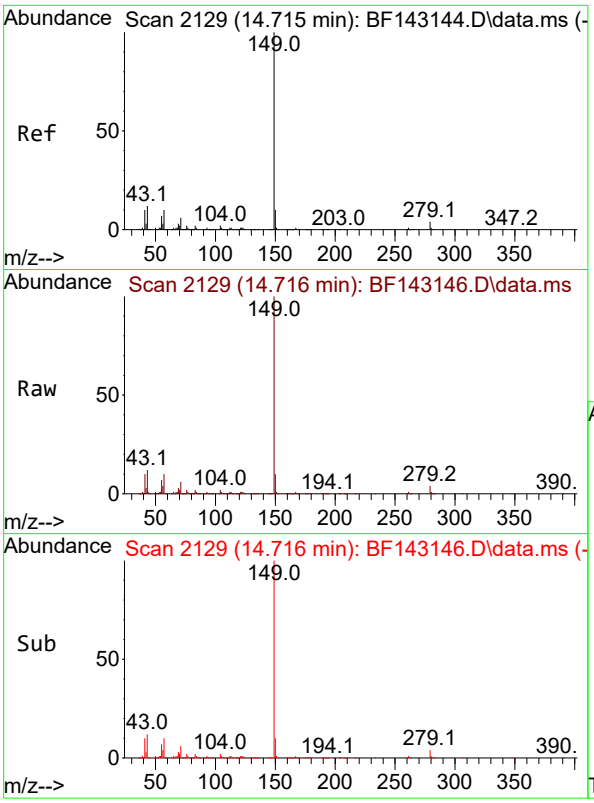


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.678 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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# 2
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

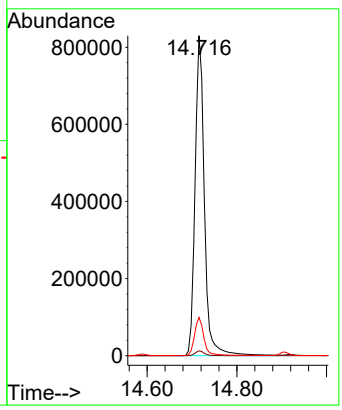
Tgt Ion:149 Resp: 119604

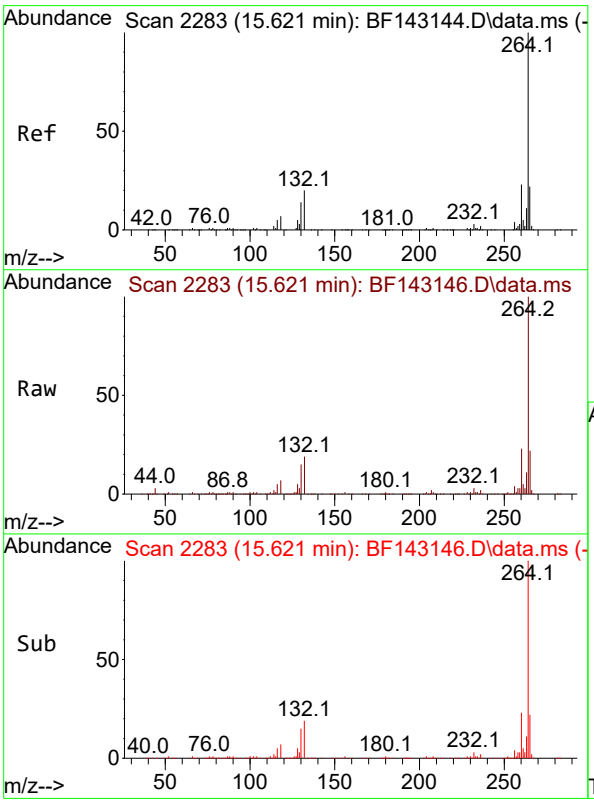
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.0	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

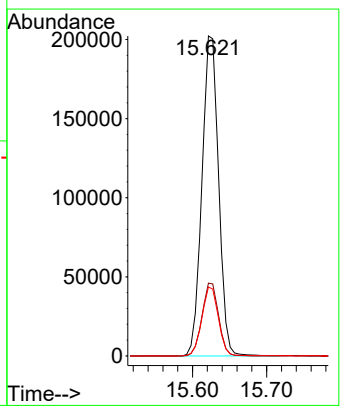


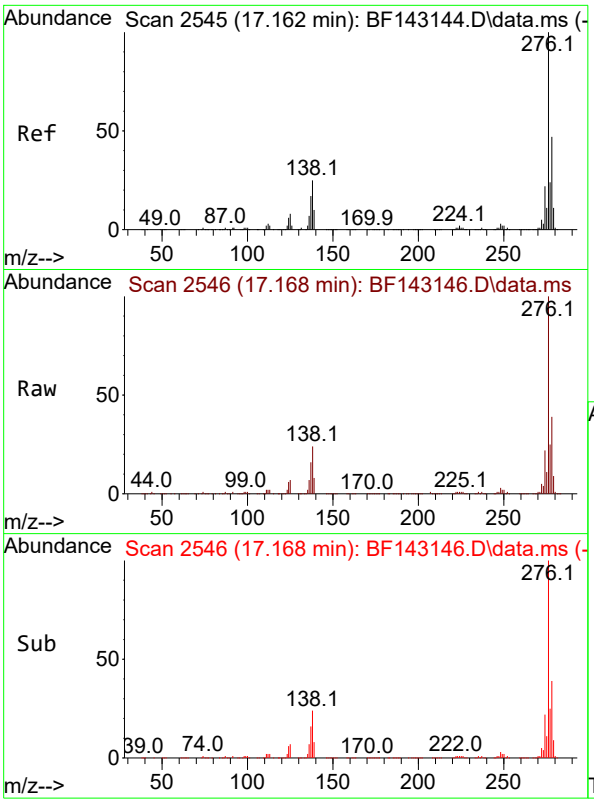


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

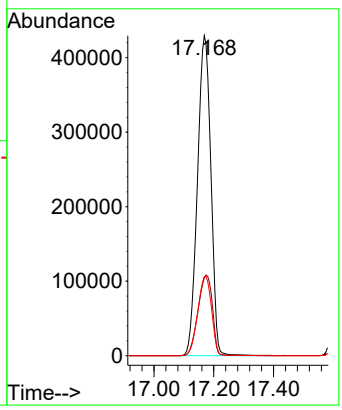
Tgt Ion:276 Resp: 133736

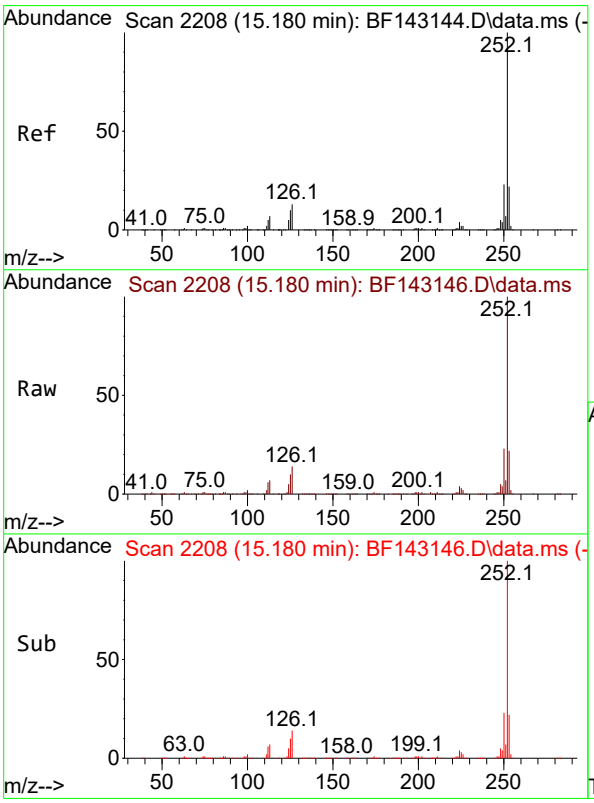
Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.4	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

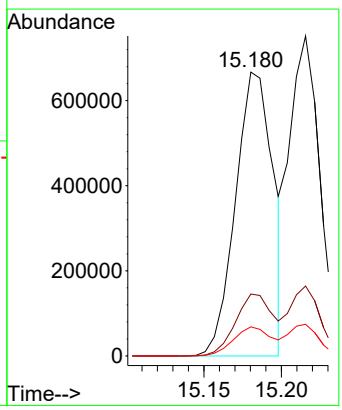


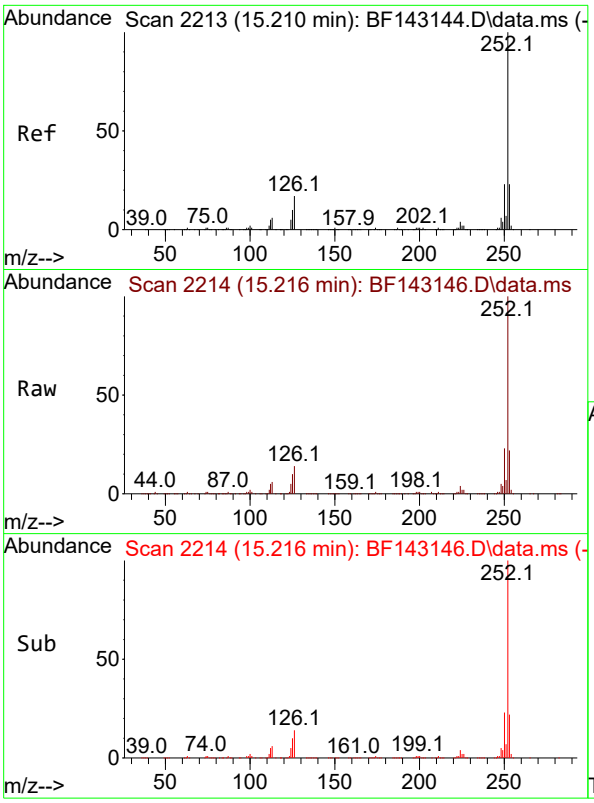


#88
Benzo(b)fluoranthene
Concen: 58.328 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

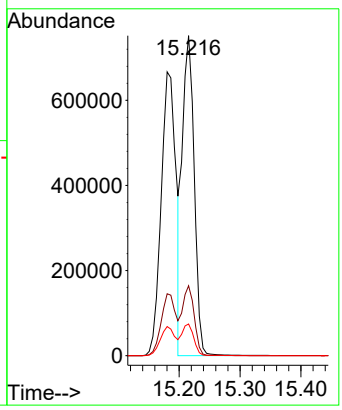
Tgt Ion:252 Resp: 102313

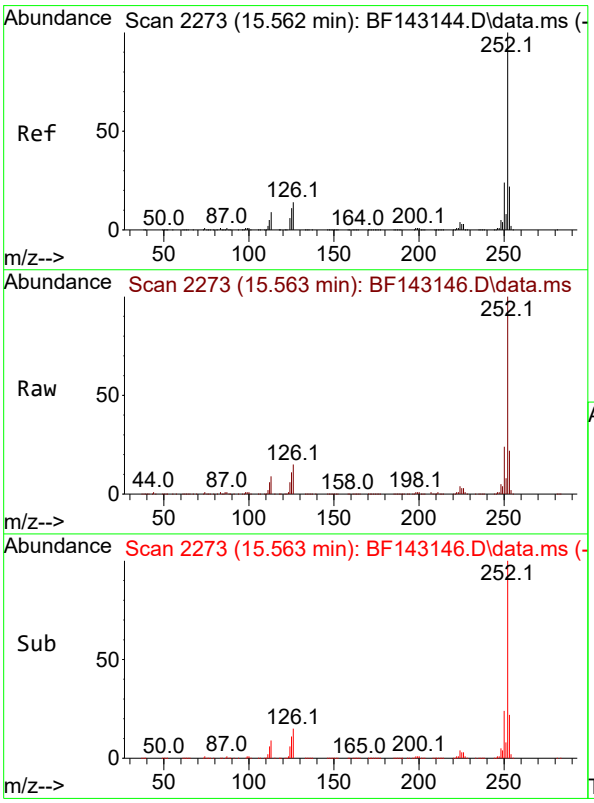
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.9	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

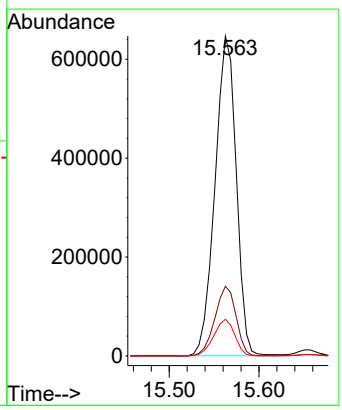


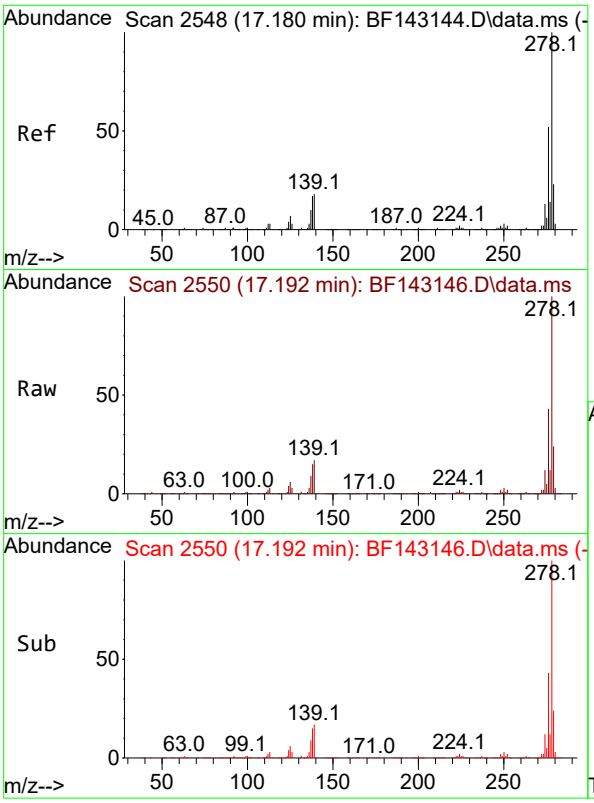


#90
Benzo(a)pyrene
Concen: 59.730 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

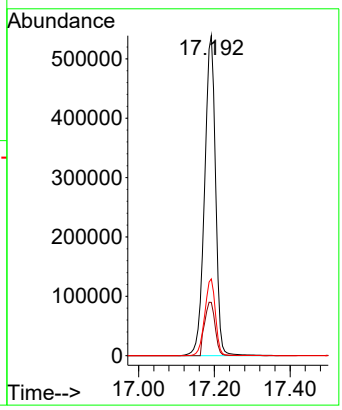
Tgt Ion:278 Resp: 108076

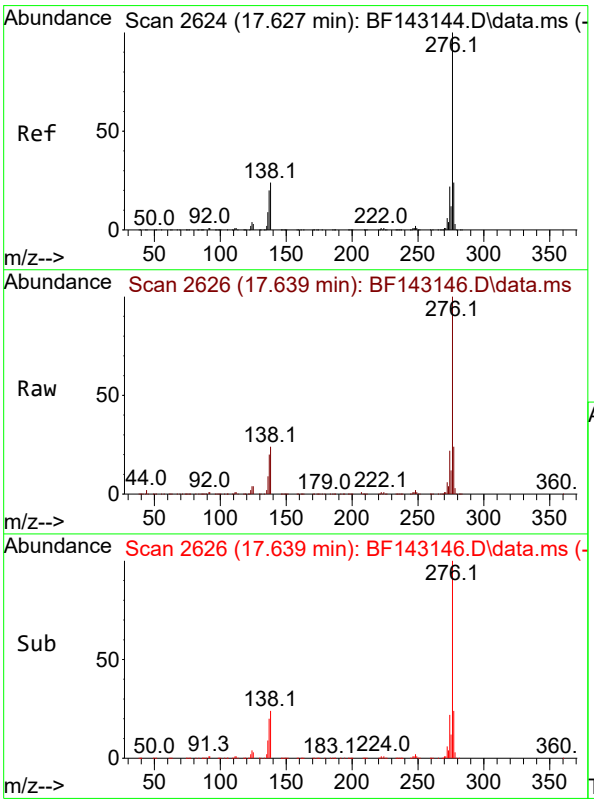
Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.1	21.1
279	24.0	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

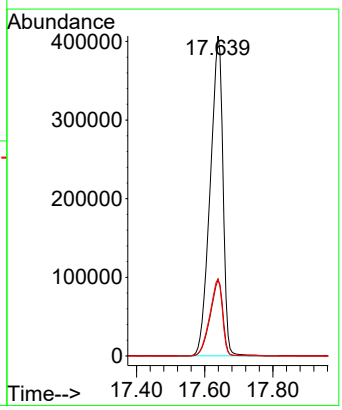




#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



Quantitation Report (QT Reviewed)

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

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

Quantitation Report (QT Reviewed)

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

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

Quantitation Report (QT Reviewed)

ICAL Form

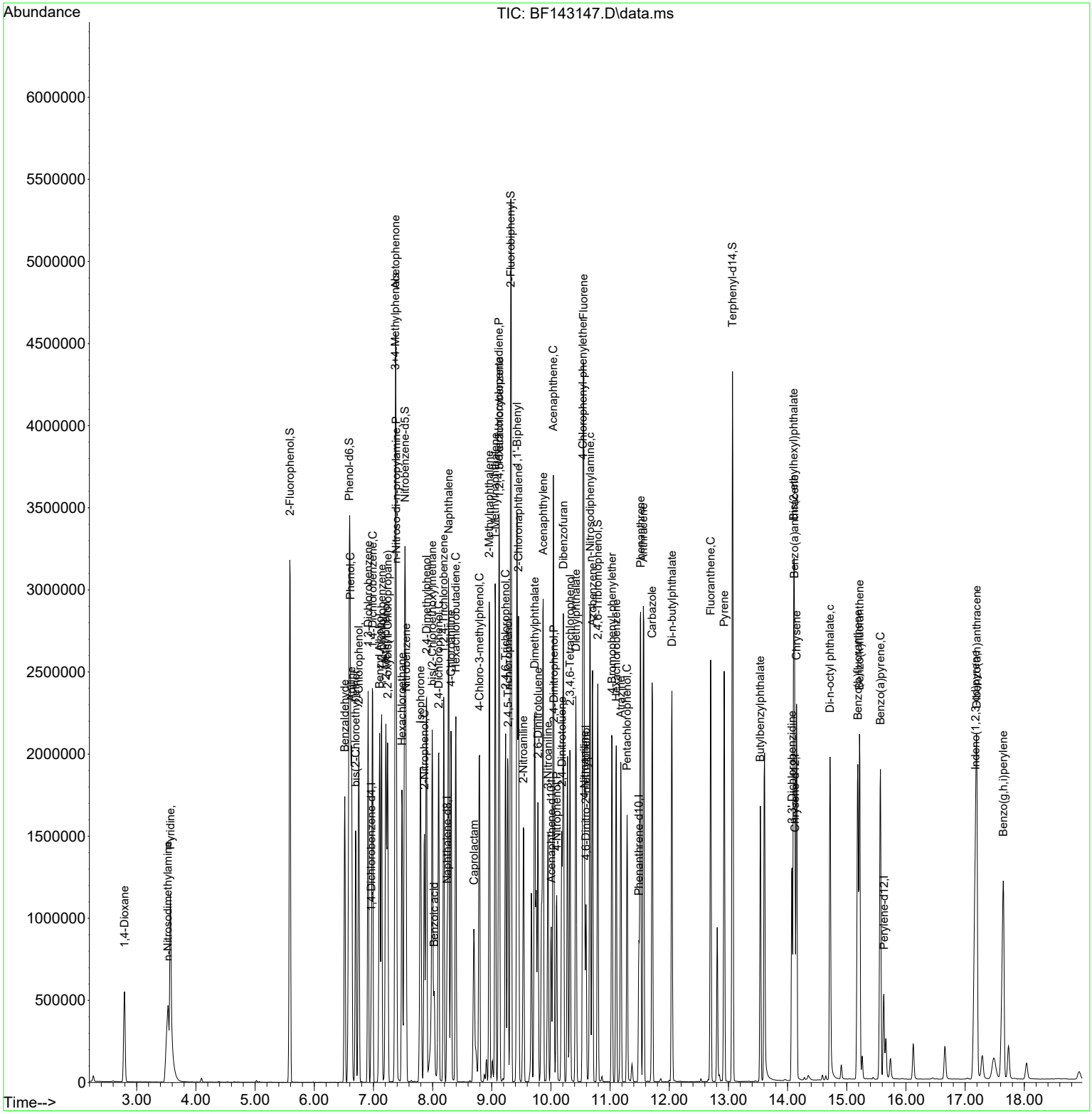
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143147.D
Acq On : 17 Jul 2025 14:34
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 10 Sample Multiplier: 1

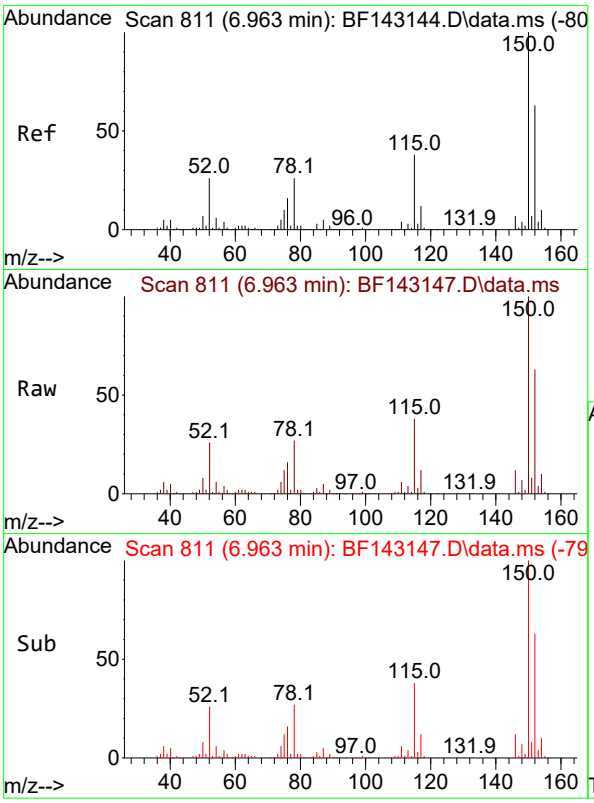
Quant Time: Jul 17 15:05:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 14:54:43 2025
Response via : Initial Calibration

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

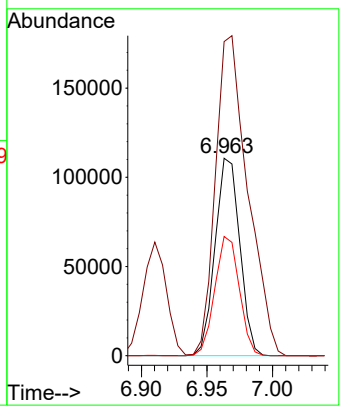
Tgt Ion:152 Resp: 14503

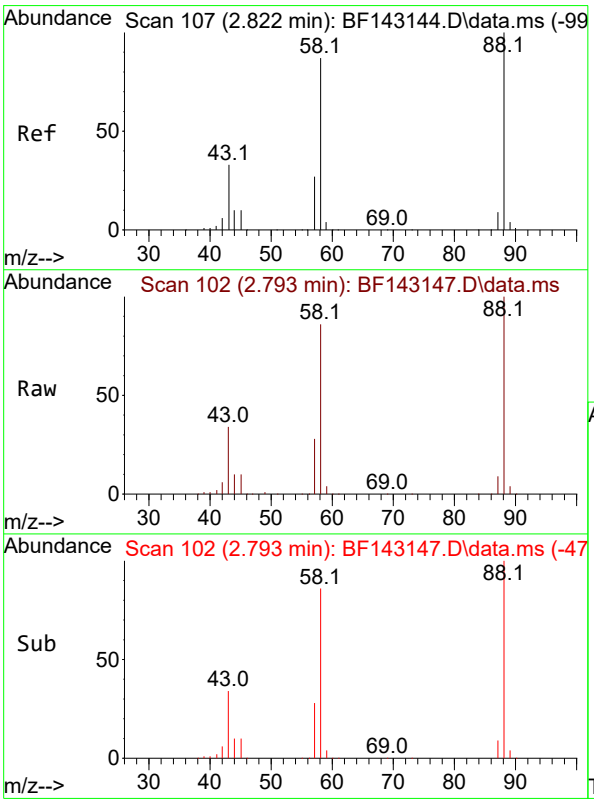
Ion	Ratio	Lower	Upper
152	100		
150	159.0	128.2	192.4
115	60.4	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

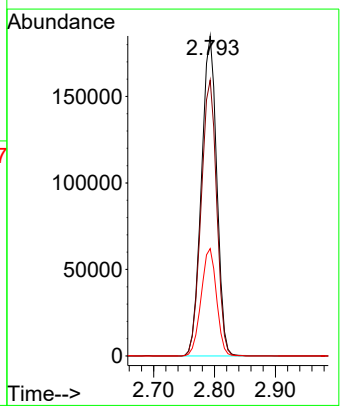


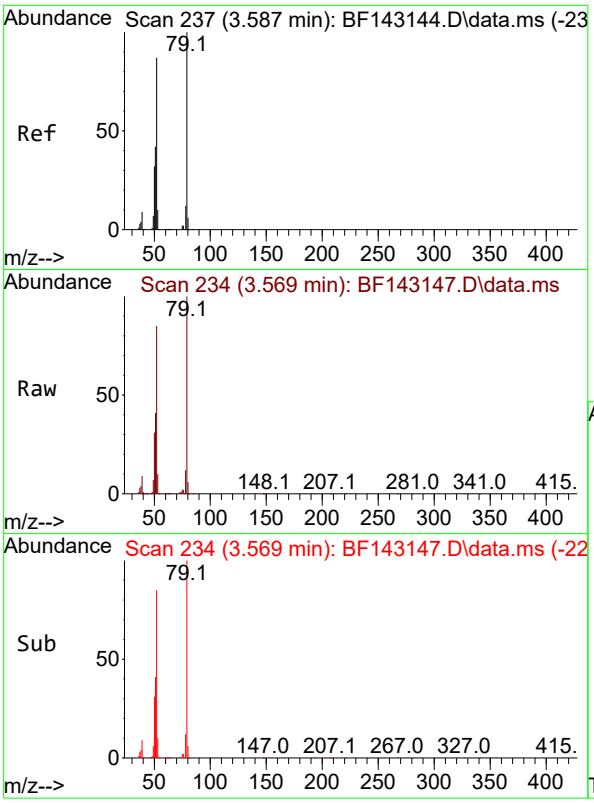


#2
1,4-Dioxane
Concen: 74.710 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

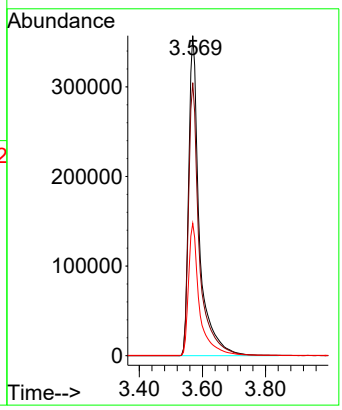
Tgt Ion: 79 Resp: 84244

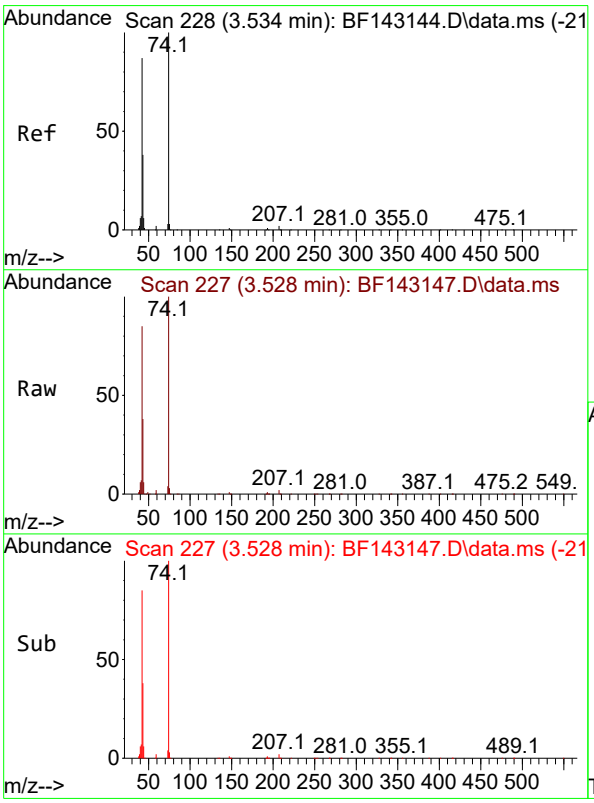
Ion	Ratio	Lower	Upper
79	100		
52	85.3	69.4	104.2
51	41.4	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

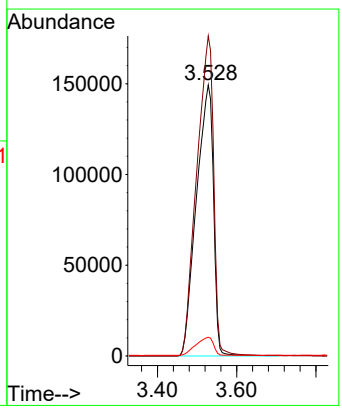


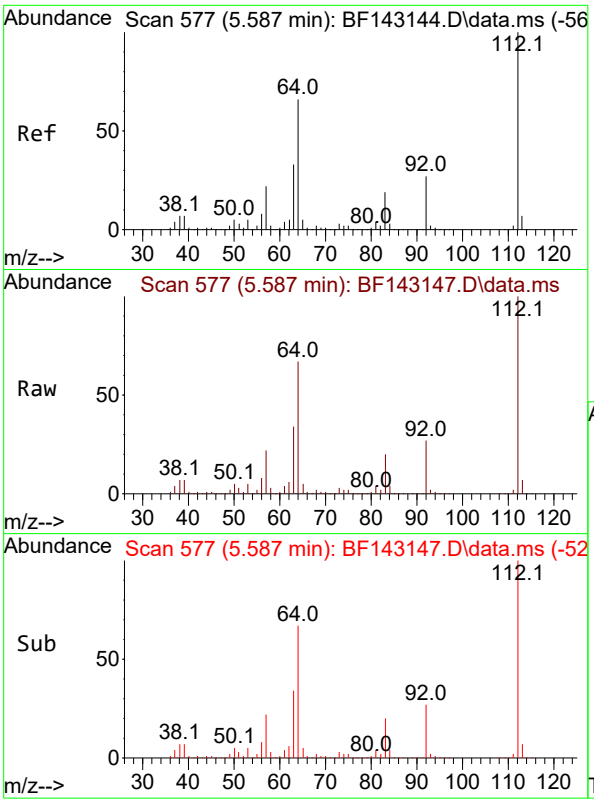


#4
n-Nitrosodimethylamine
Concen: 76.677 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

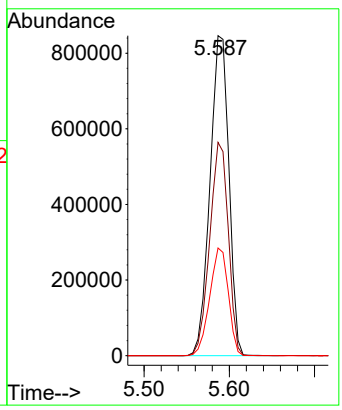
Tgt Ion:112 Resp: 130034

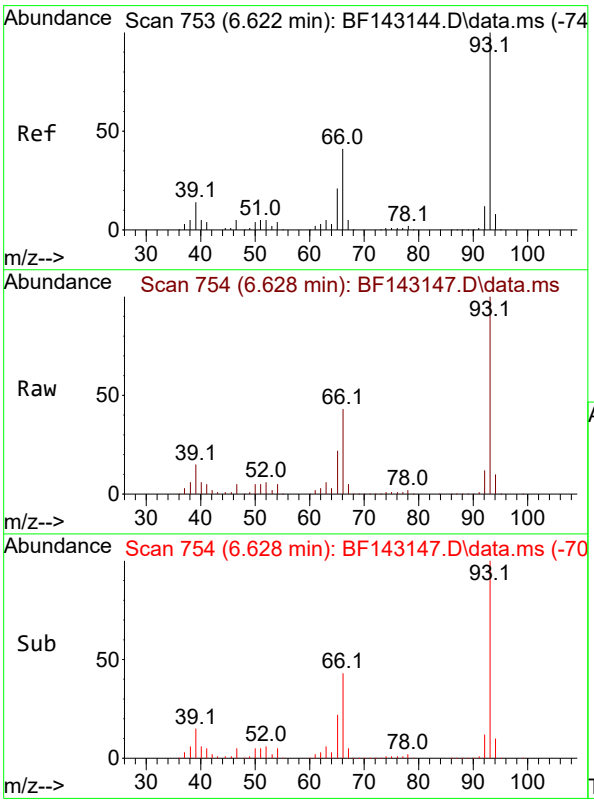
Ion	Ratio	Lower	Upper
112	100		
64	66.6	53.1	79.7
63	33.6	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

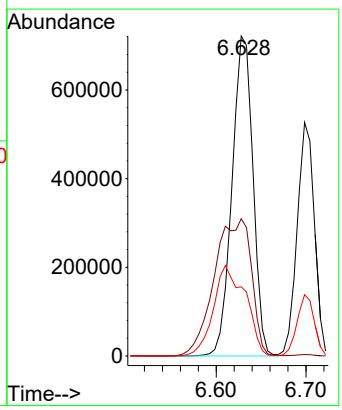


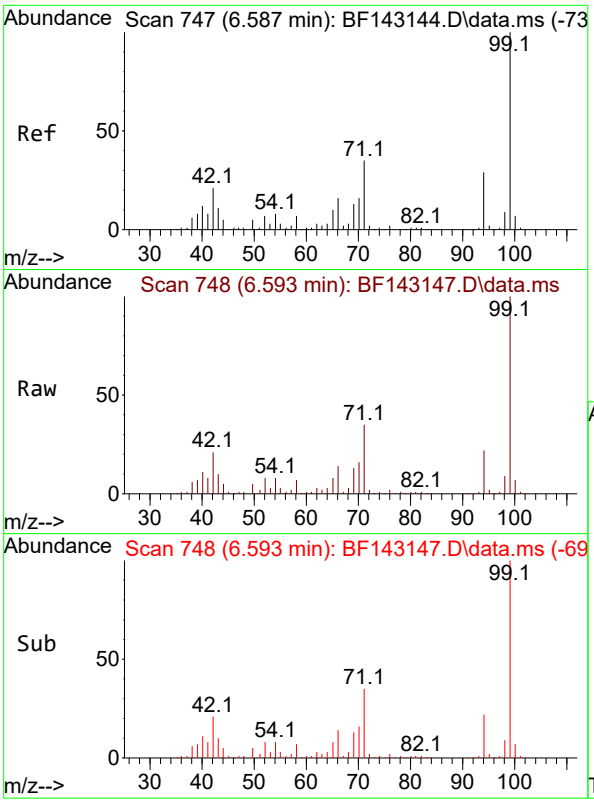


#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

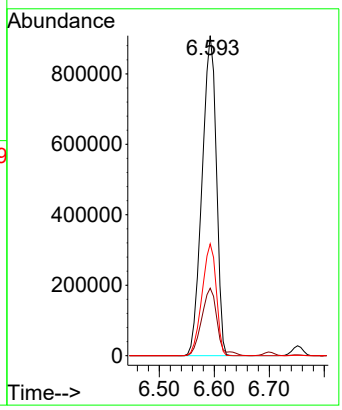
Tgt Ion: 99 Resp: 163993

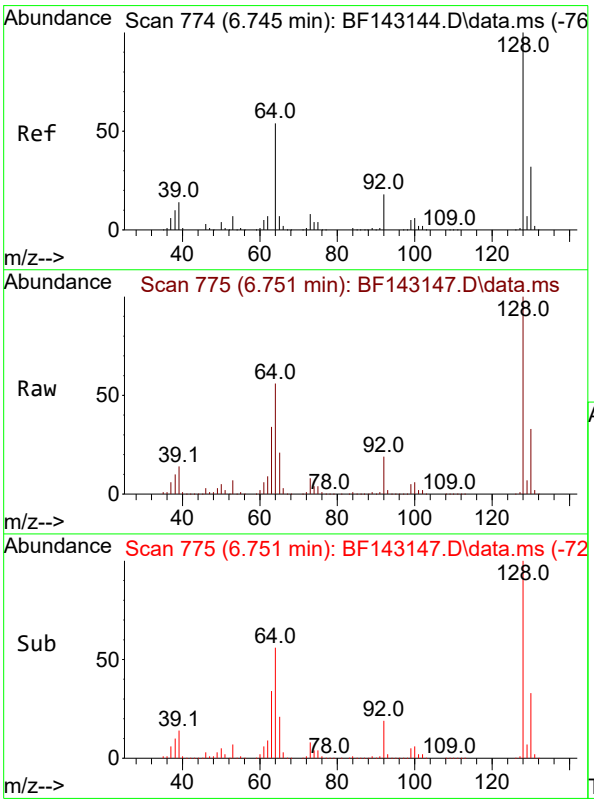
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	35.0	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

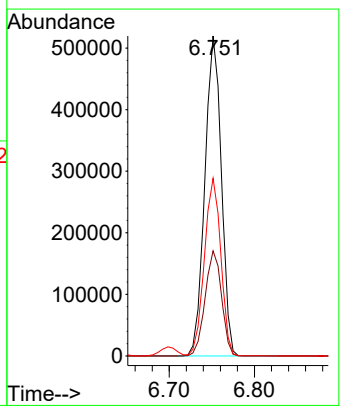


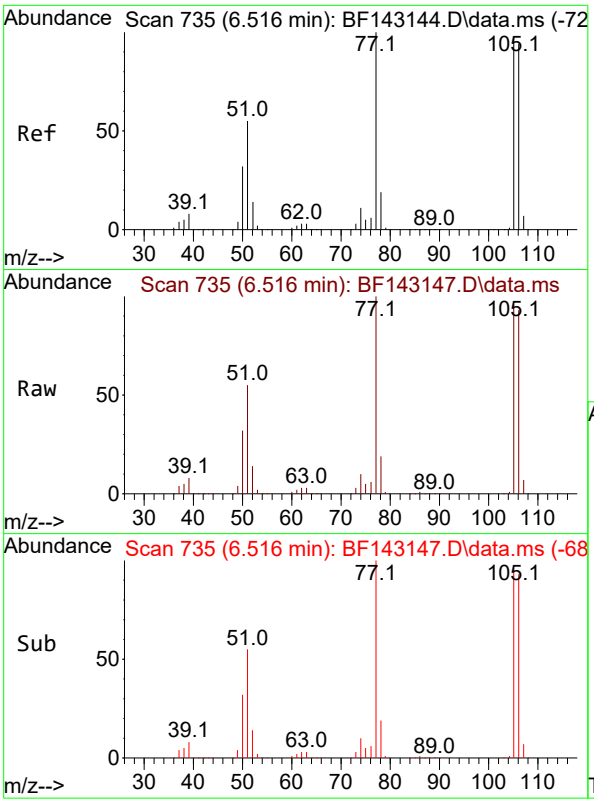


#8
2-Chlorophenol
Concen: 72.781 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

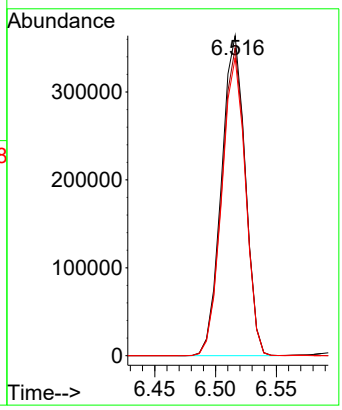
Tgt Ion: 77 Resp: 49354

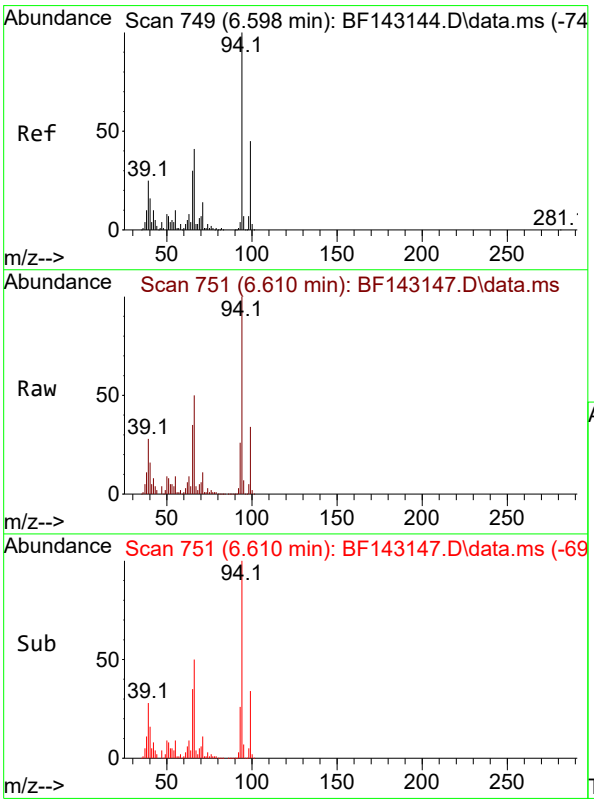
Ion	Ratio	Lower	Upper
77	100		
105	96.2	76.8	116.8
106	93.1	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

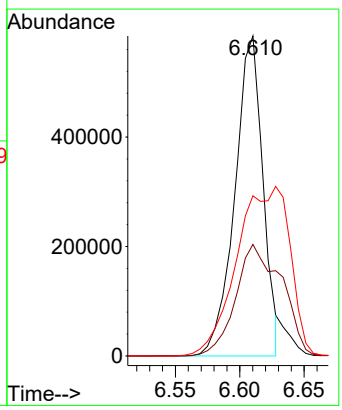


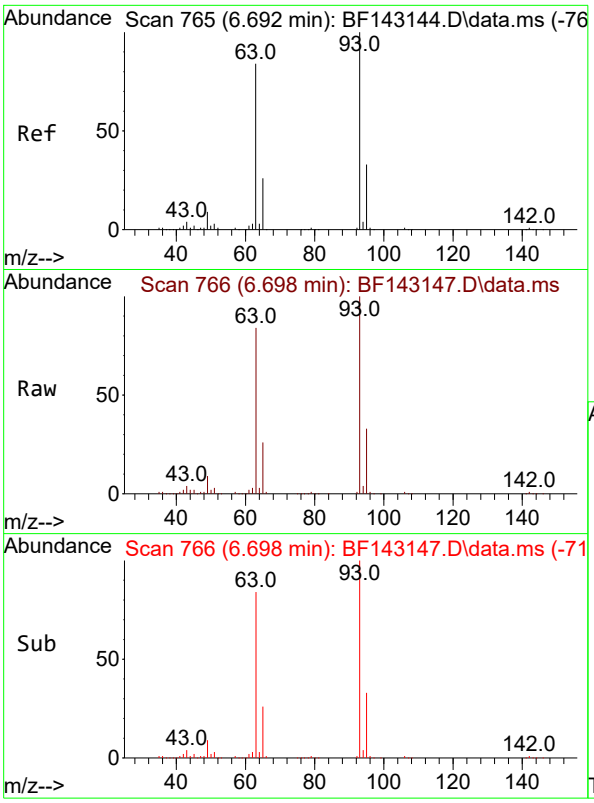


#10
Phenol
Concen: 70.663 ng m
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

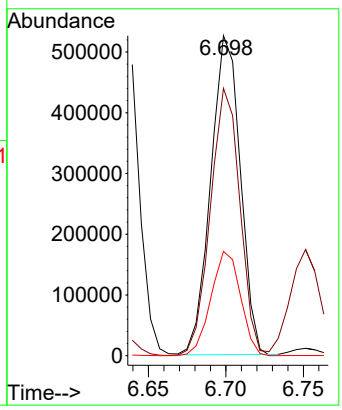
Tgt Ion: 93 Resp: 69764

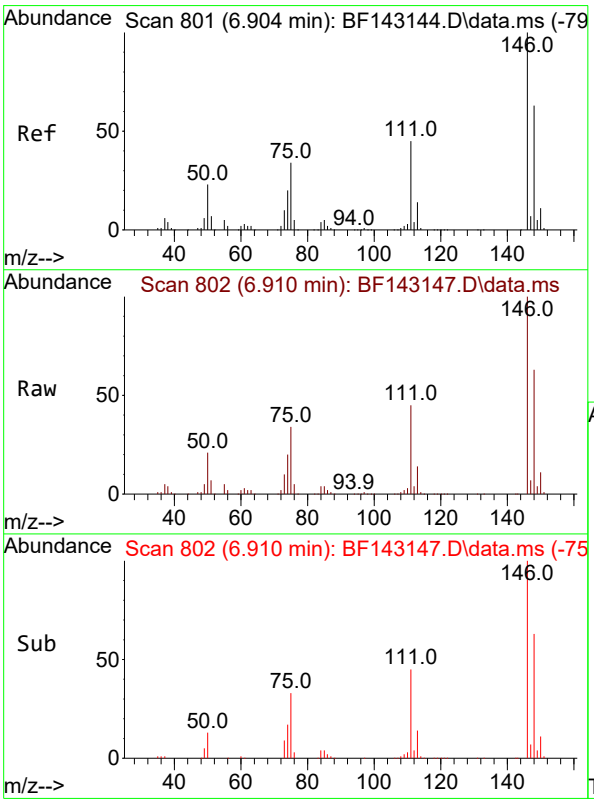
Ion	Ratio	Lower	Upper
93	100		
63	83.6	63.4	103.4
95	32.6	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

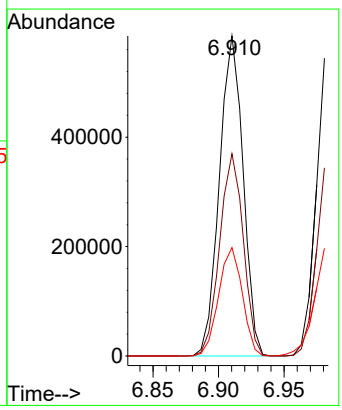


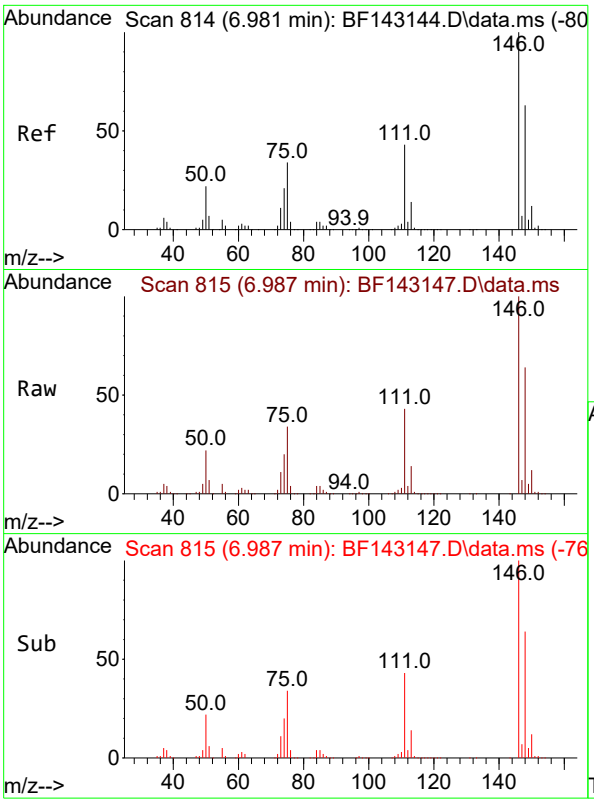


#12
1,3-Dichlorobenzene
Concen: 70.400 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

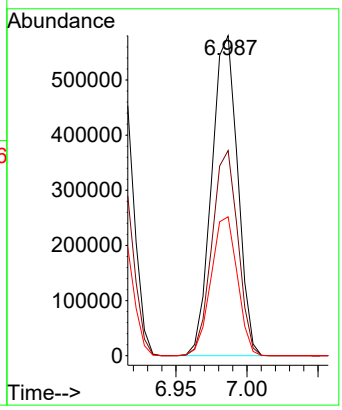
Tgt Ion:146 Resp: 73946

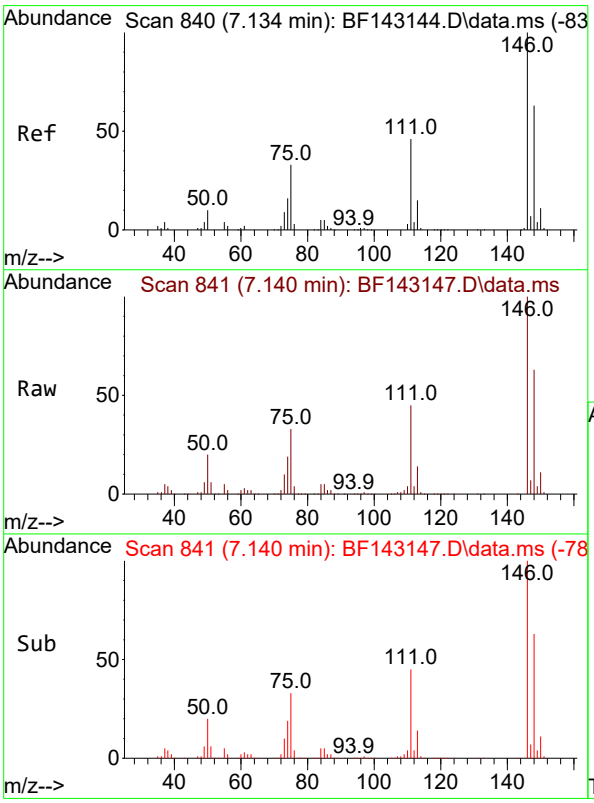
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	43.4	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

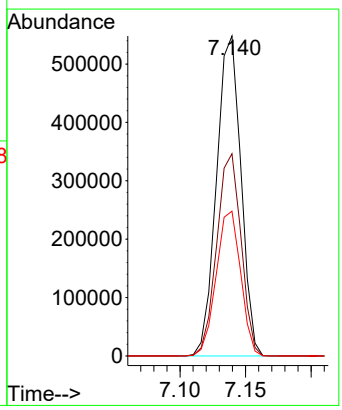


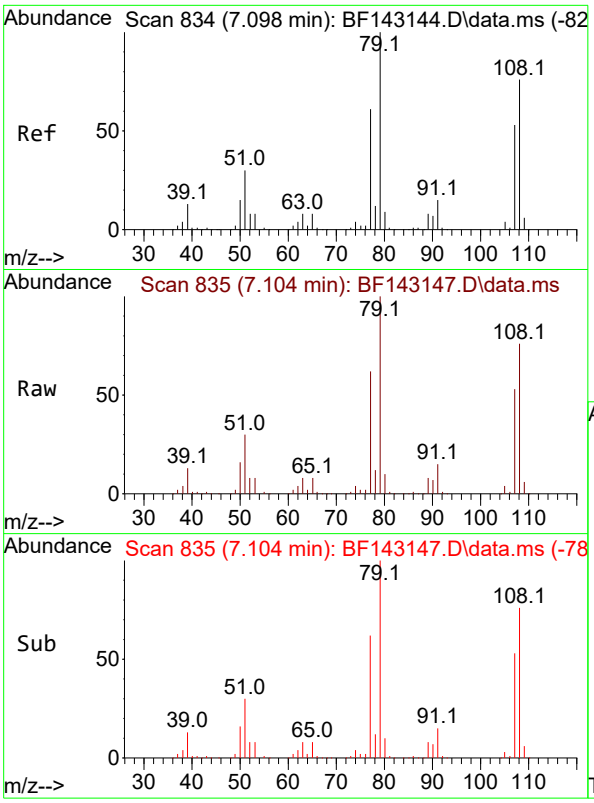


#14
1,2-Dichlorobenzene
Concen: 70.958 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

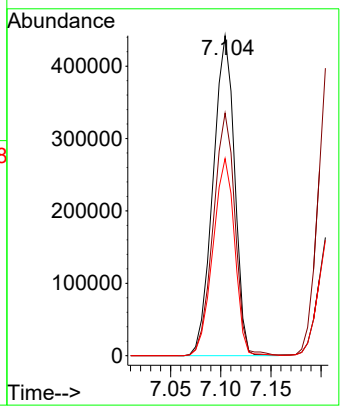
Tgt Ion: 79 Resp: 66184

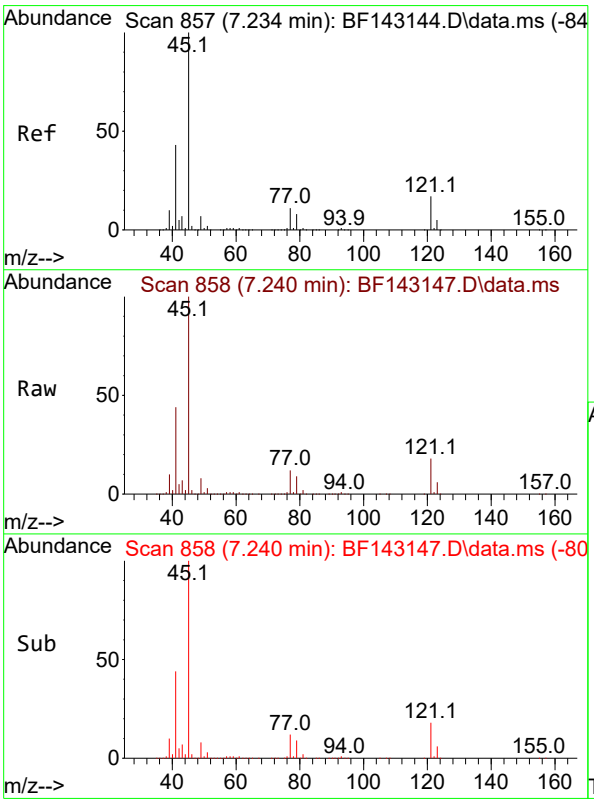
Ion	Ratio	Lower	Upper
79	100		
108	75.8	61.1	91.7
77	61.6	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

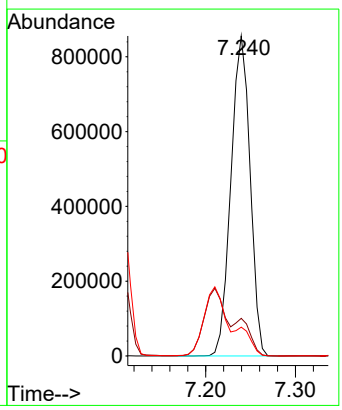


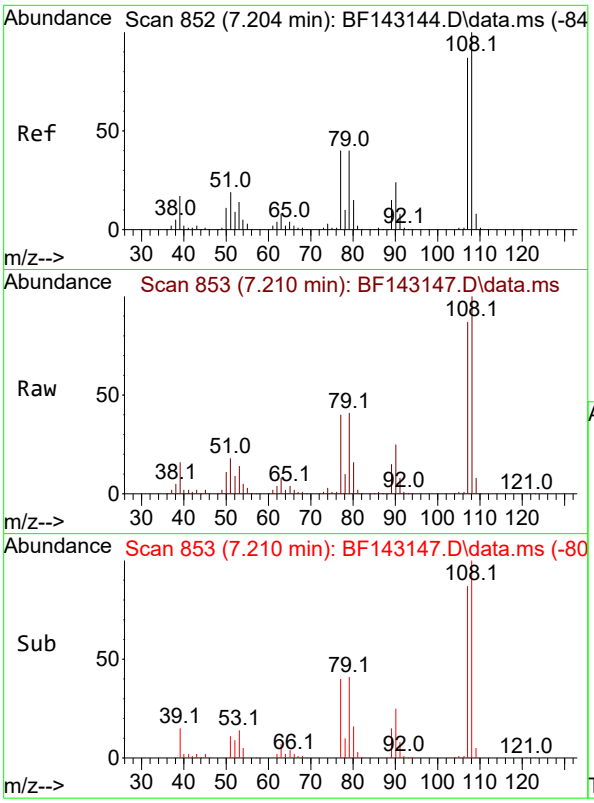


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.902 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

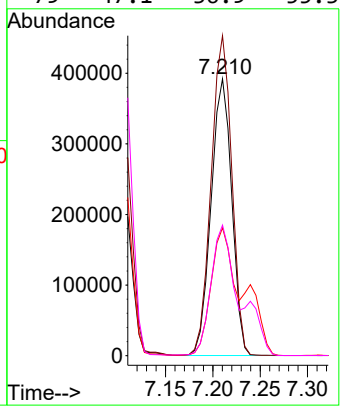




#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:107 Resp: 59547

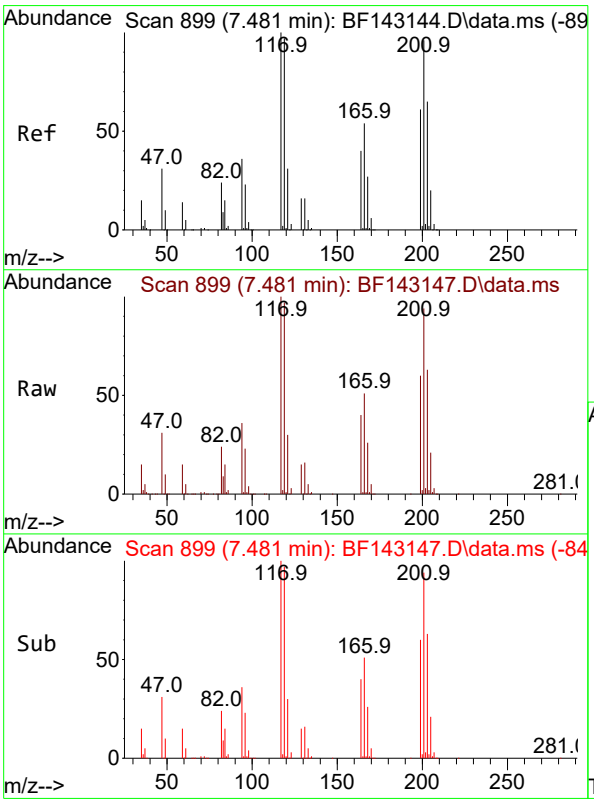
Ion	Ratio	Lower	Upper
107	100		
108	115.6	91.8	137.6
77	46.2	37.0	55.6
79	47.1	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

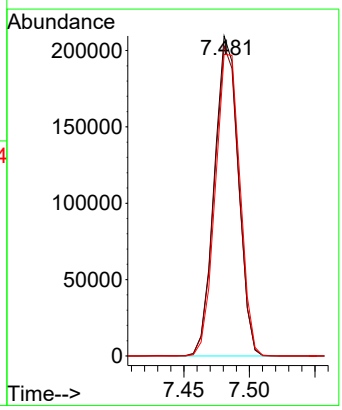
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

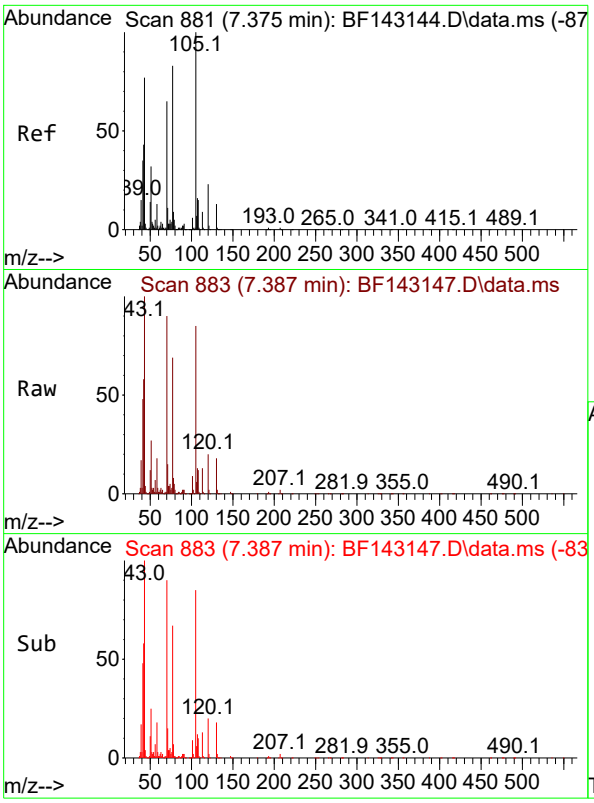


#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

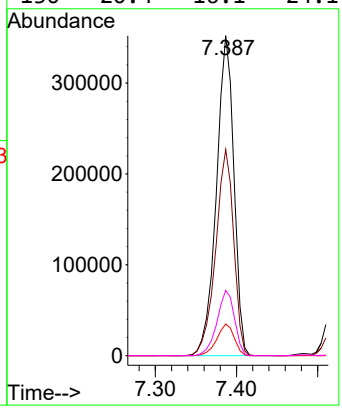




#19
n-Nitroso-di-n-propylamine
Concen: 71.452 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion: 70 Resp: 52882

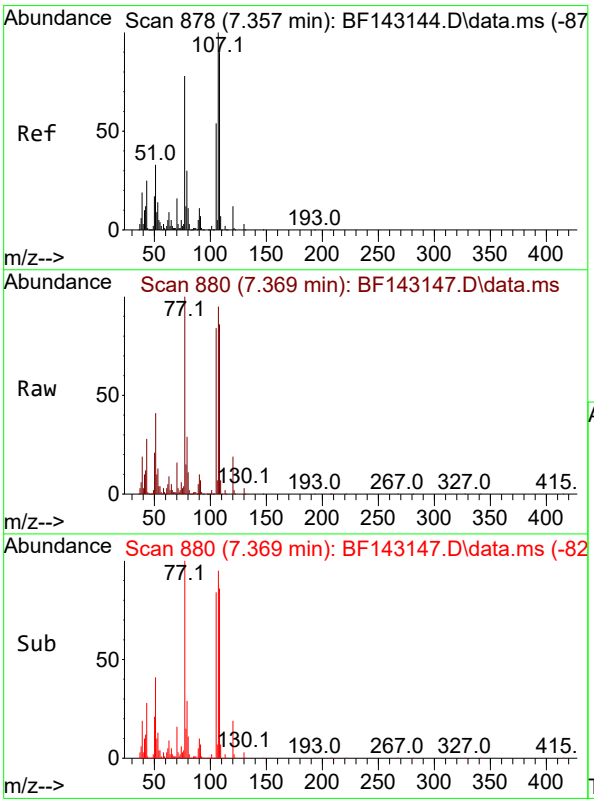
Ion	Ratio	Lower	Upper
70	100		
42	64.4	52.5	78.7
101	9.9	7.6	11.4
130	20.4	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

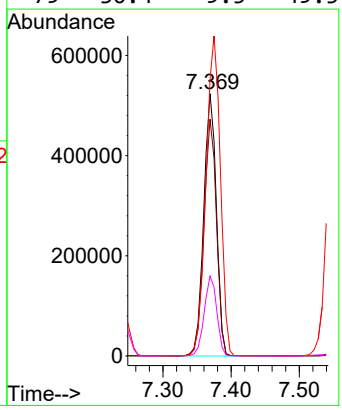
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

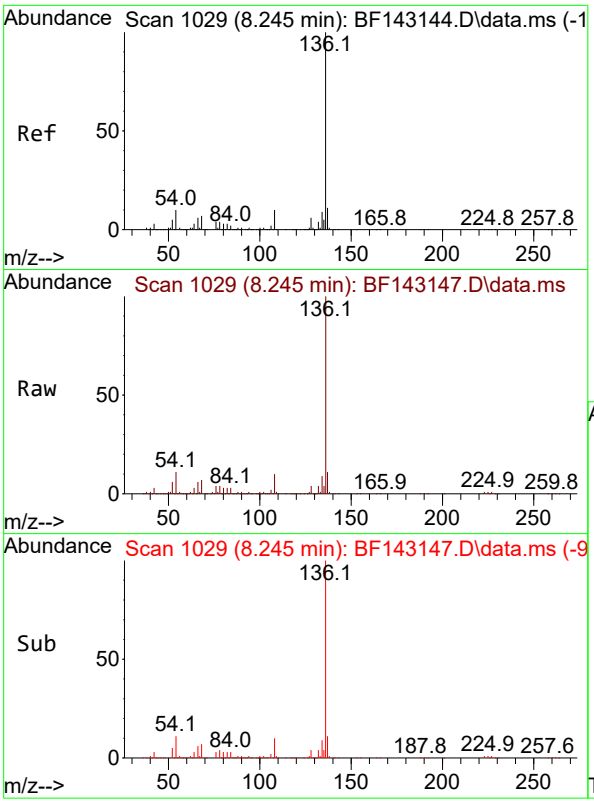


#20
3+4-Methylphenols
Concen: 68.763 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

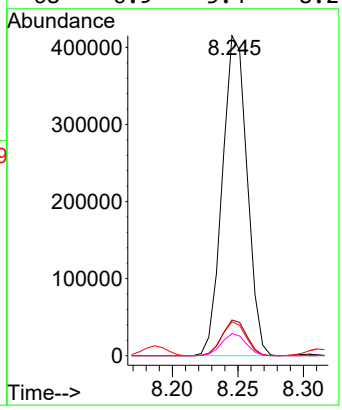




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:136 Resp: 54451(

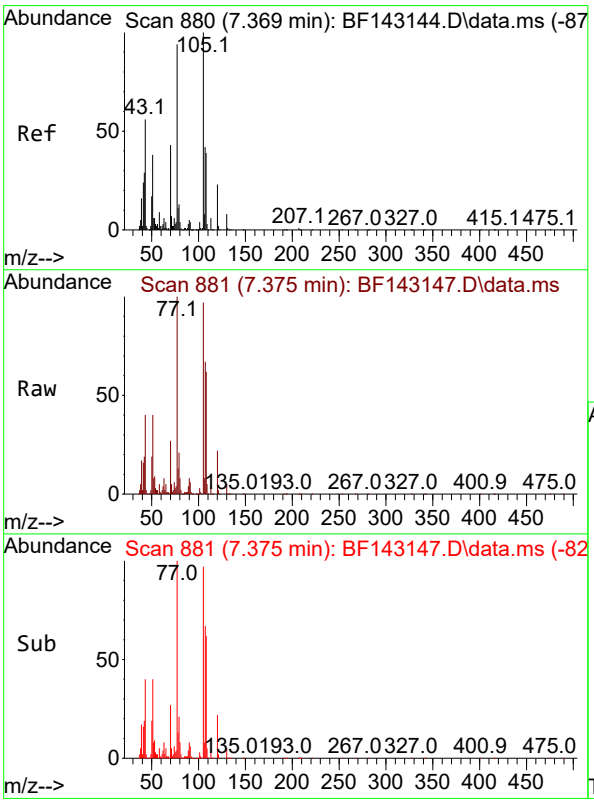
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.6	8.2	12.2
68	6.9	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

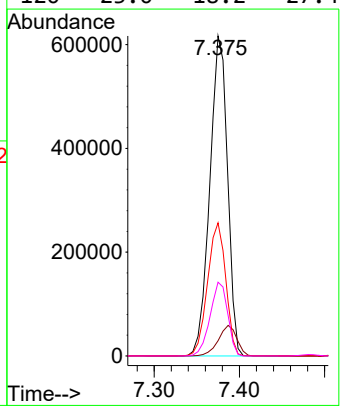
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

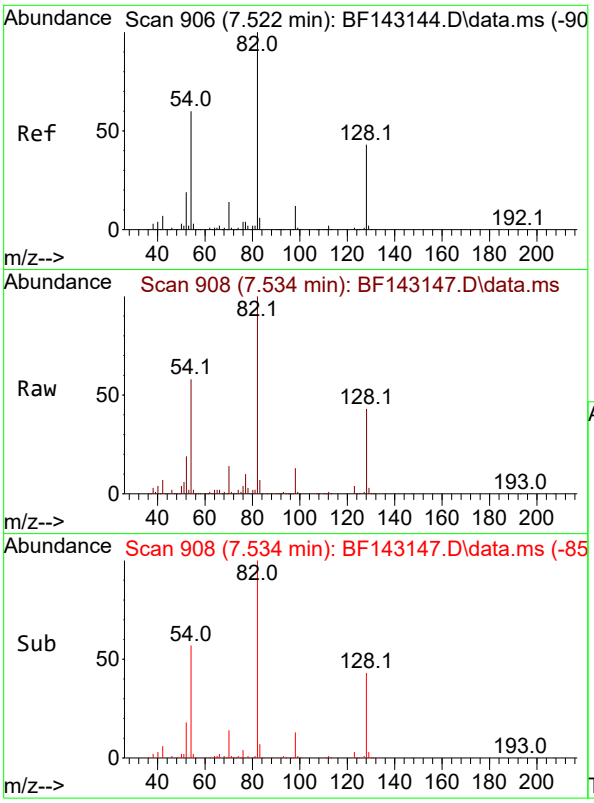


#22
Acetophenone
Concen: 69.107 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

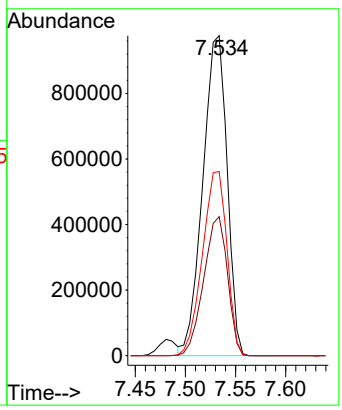
Tgt Ion: 82 Resp: 164458

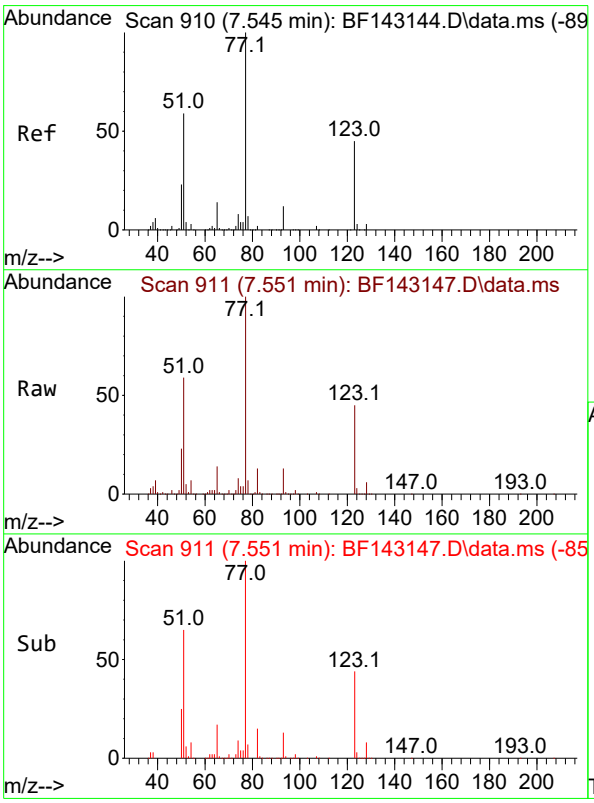
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	57.5	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

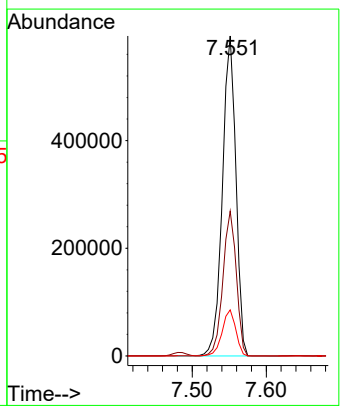


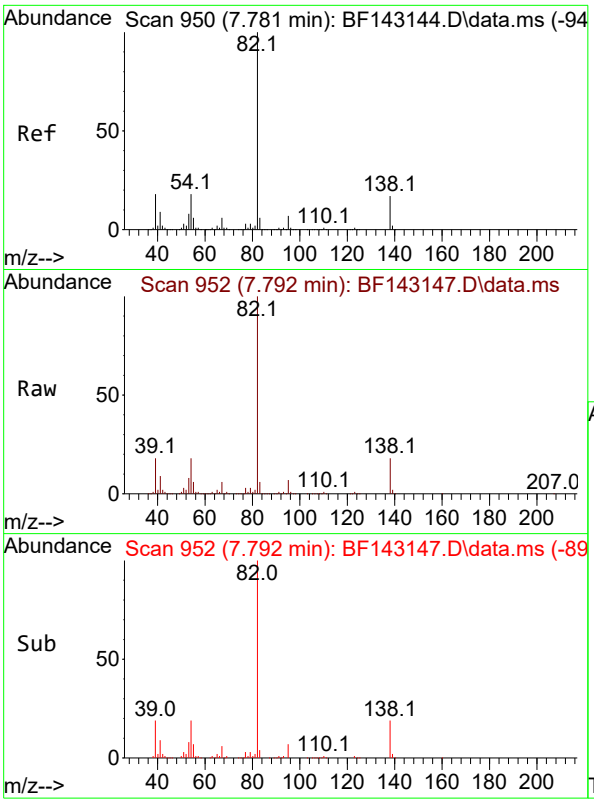


#24
Nitrobenzene
Concen: 73.836 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

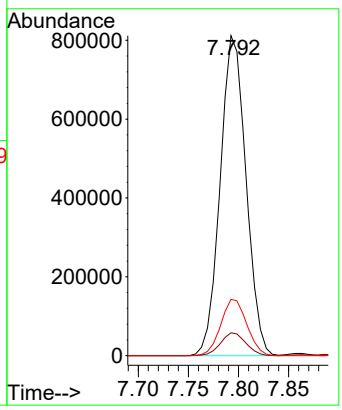
Tgt Ion: 82 Resp: 145335

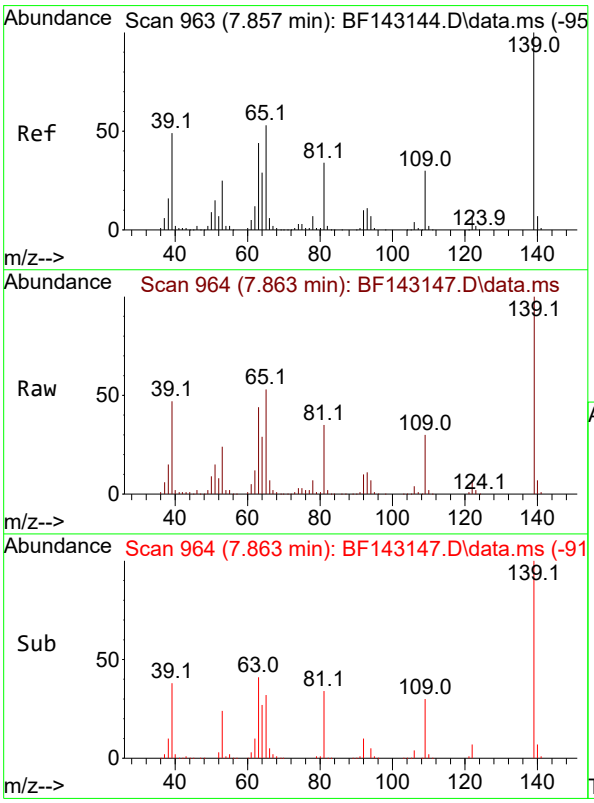
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.5	8.3
138	17.6	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

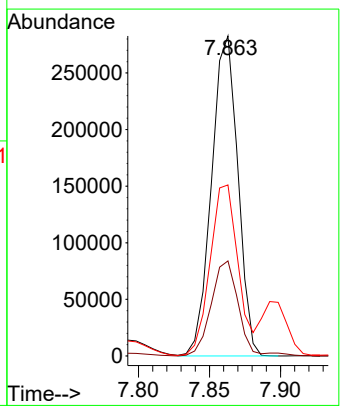


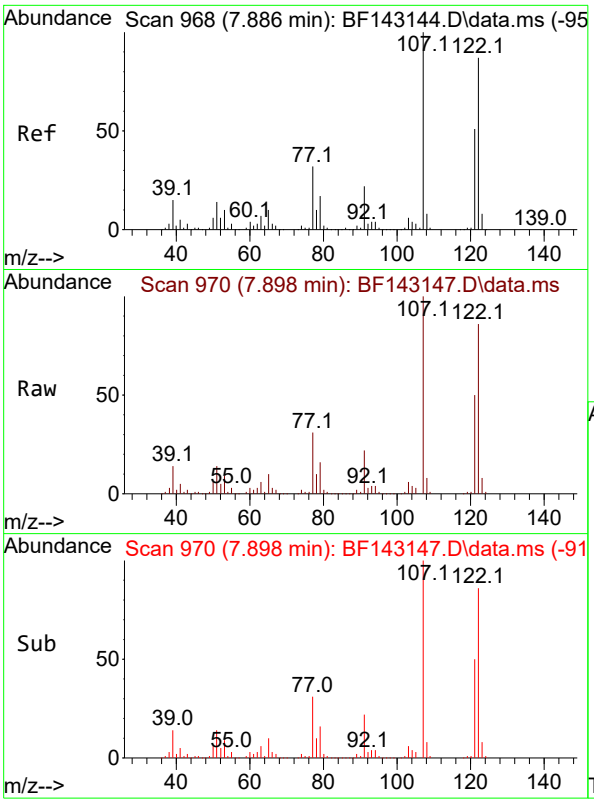


#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

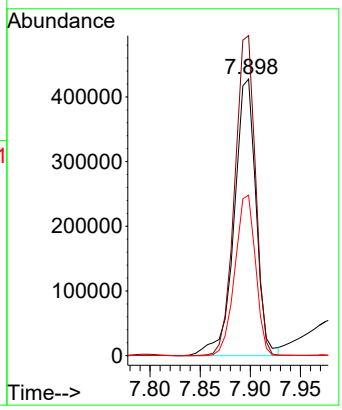
Tgt Ion:122 Resp: 649144

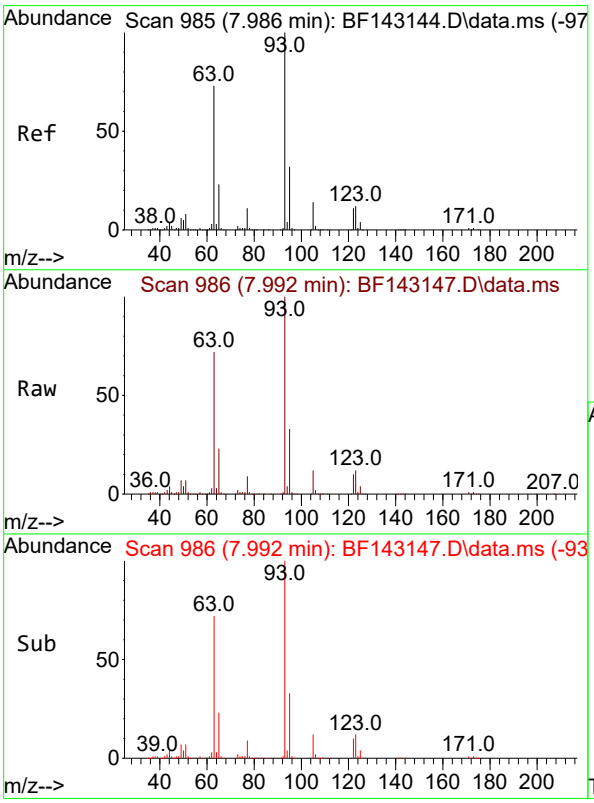
Ion	Ratio	Lower	Upper
122	100		
107	115.7	91.8	137.6
121	58.0	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

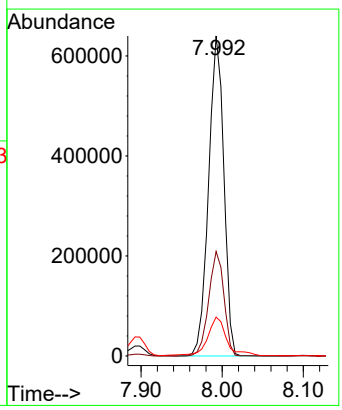


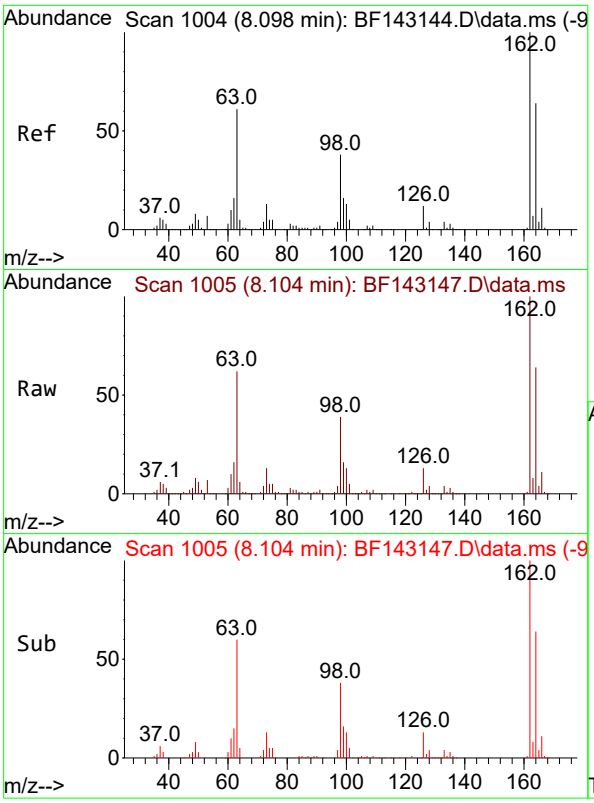


#28
bis(2-Chloroethoxy)methane
Concen: 72.134 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

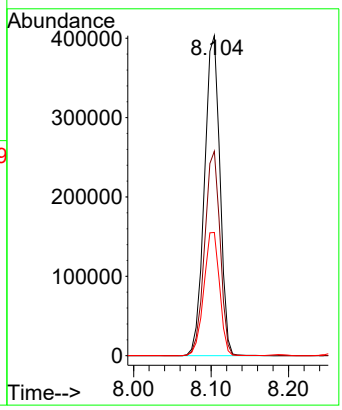
Tgt Ion:162 Resp: 55866

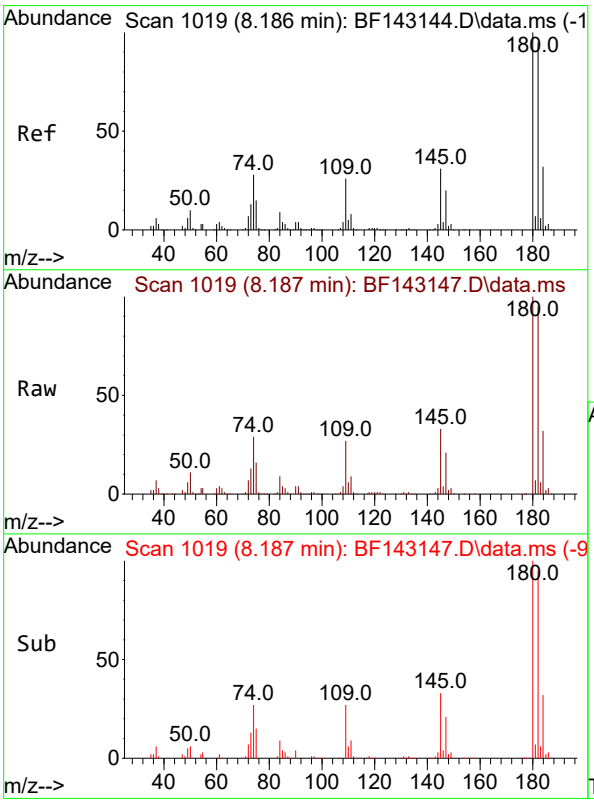
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.2	84.2
98	38.5	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

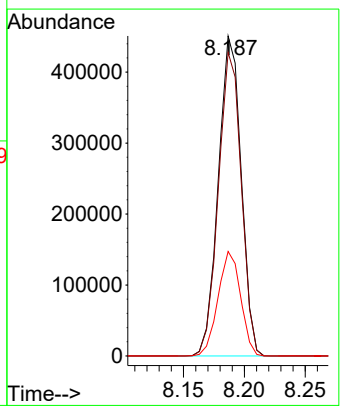


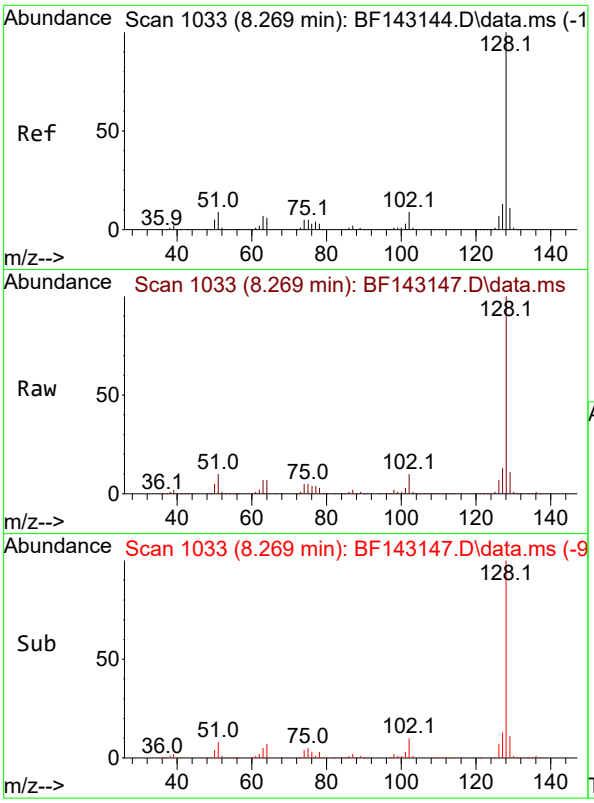


#30
1,2,4-Trichlorobenzene
Concen: 71.673 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

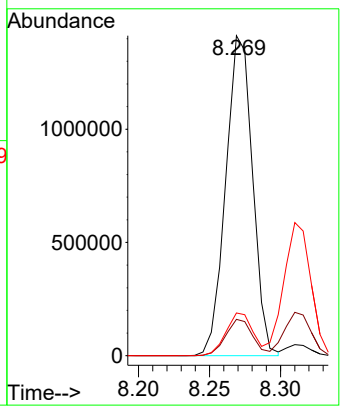
Tgt Ion:128 Resp: 185438

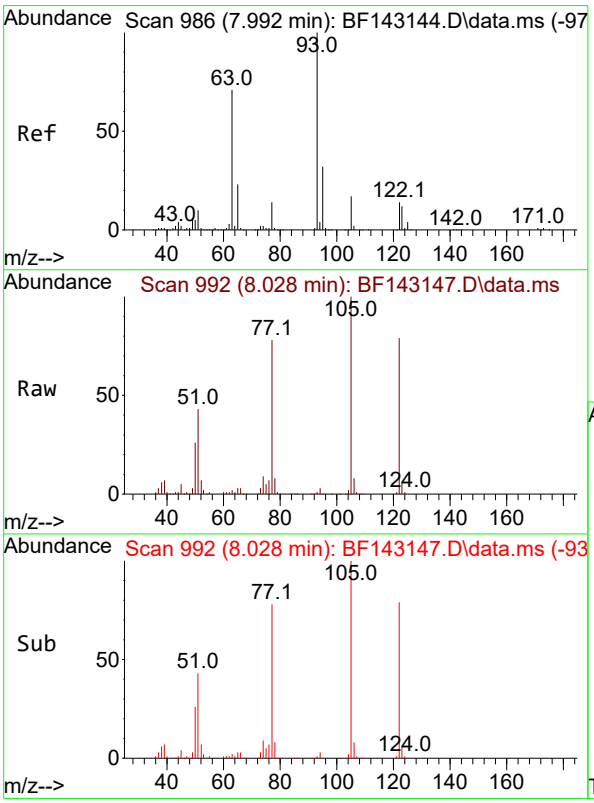
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

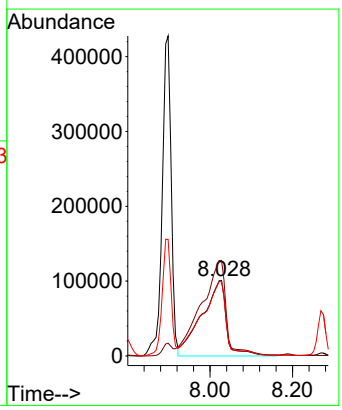


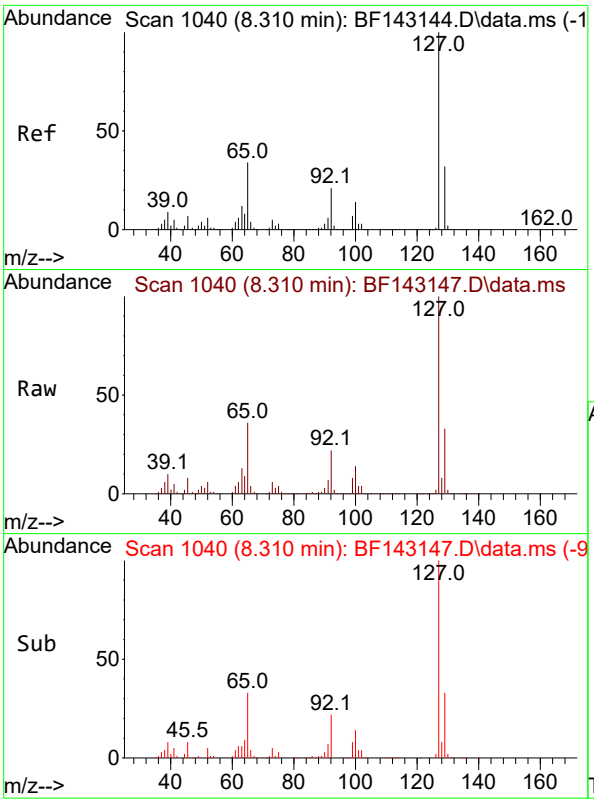


#32
Benzoic acid
Concen: 79.801 ng m
RT: 8.028 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

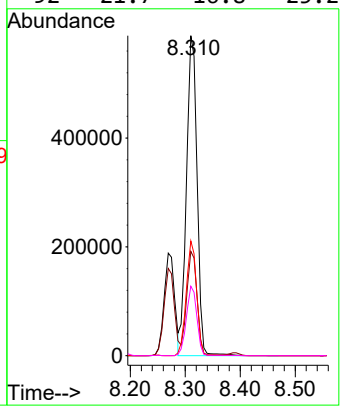
Tgt Ion:127 Resp: 78724

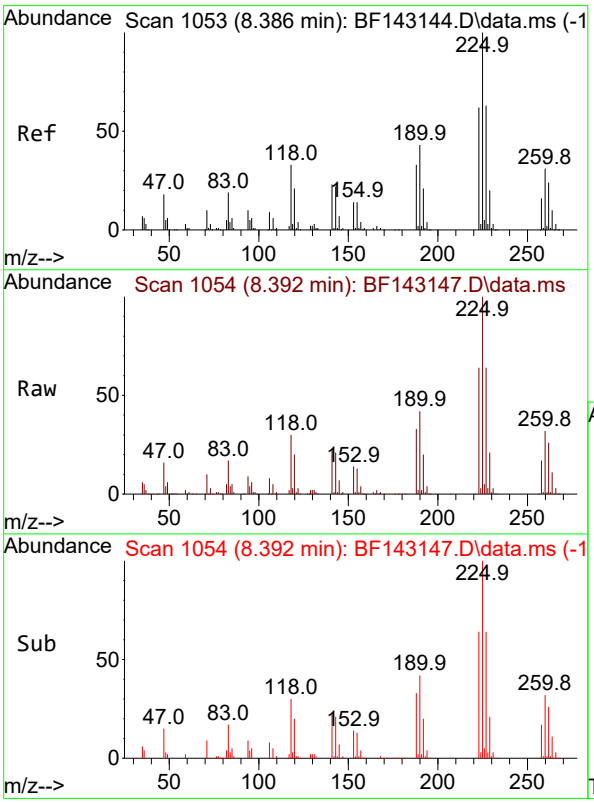
Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.0	39.0
65	35.9	27.4	41.2
92	21.7	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

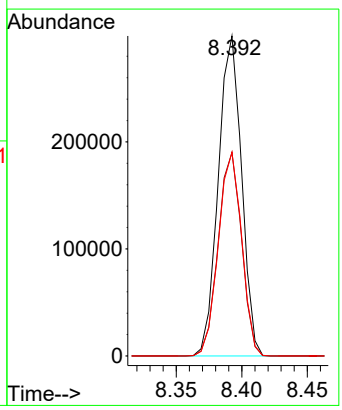


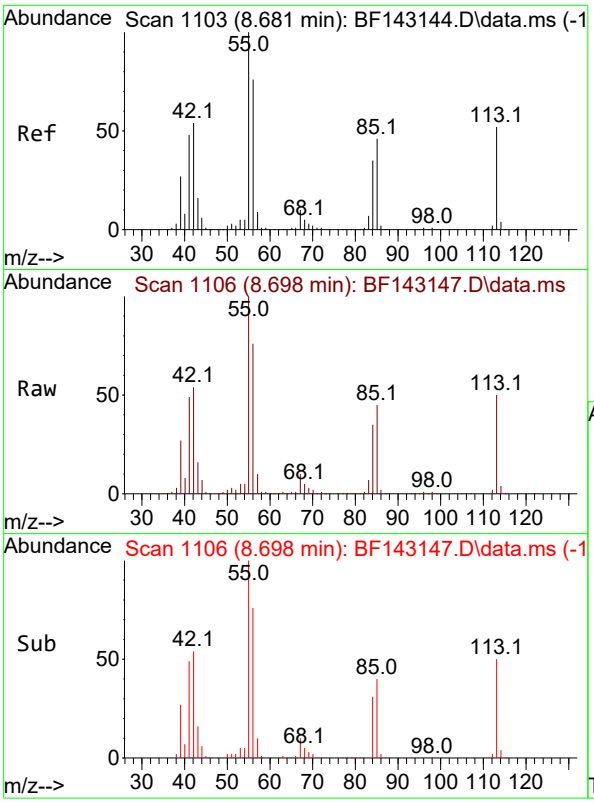


#34
Hexachlorobutadiene
Concen: 73.453 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

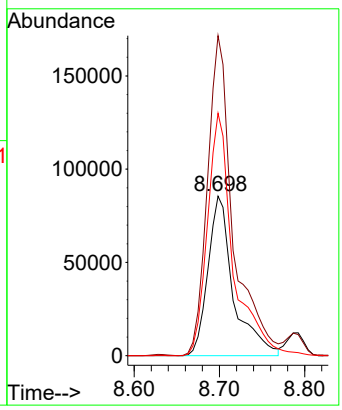
Tgt Ion:113 Resp: 17827

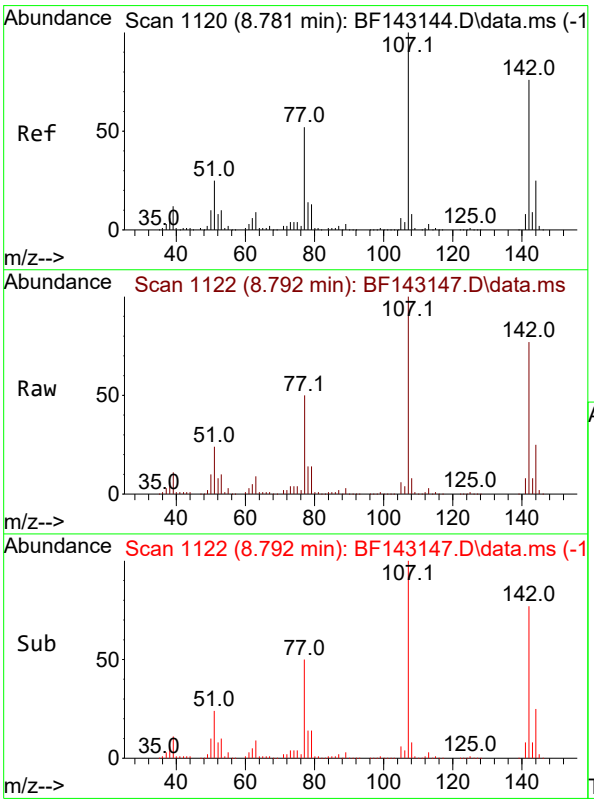
Ion	Ratio	Lower	Upper
113	100		
55	200.6	174.0	214.0
56	152.0	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

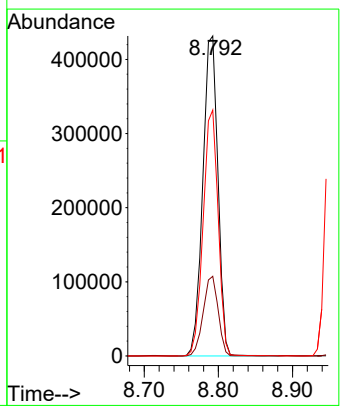


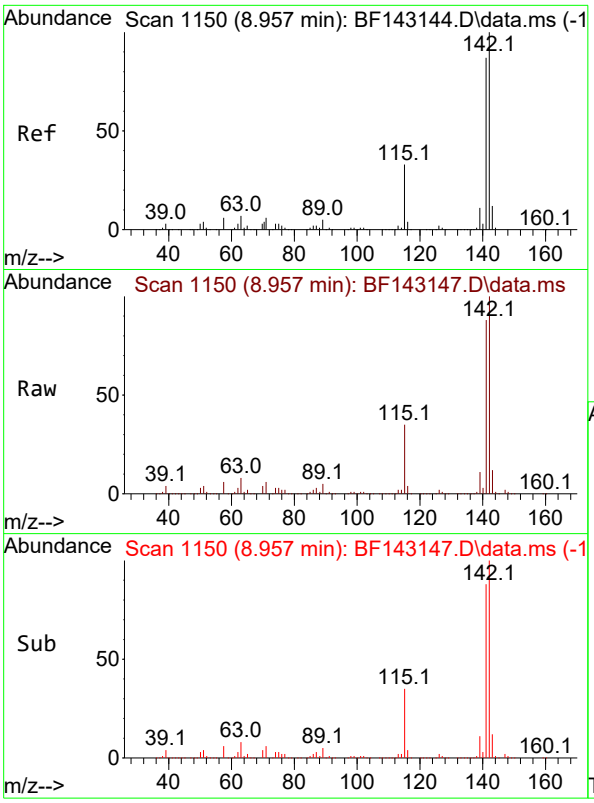


#36
4-Chloro-3-methylphenol
Concen: 74.354 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

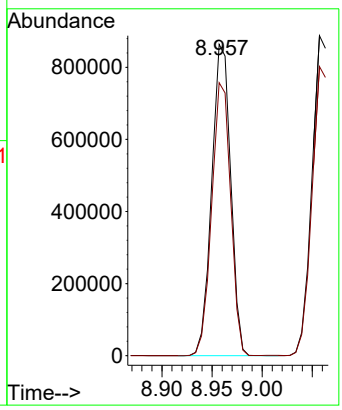
Tgt Ion:142 Resp: 113717

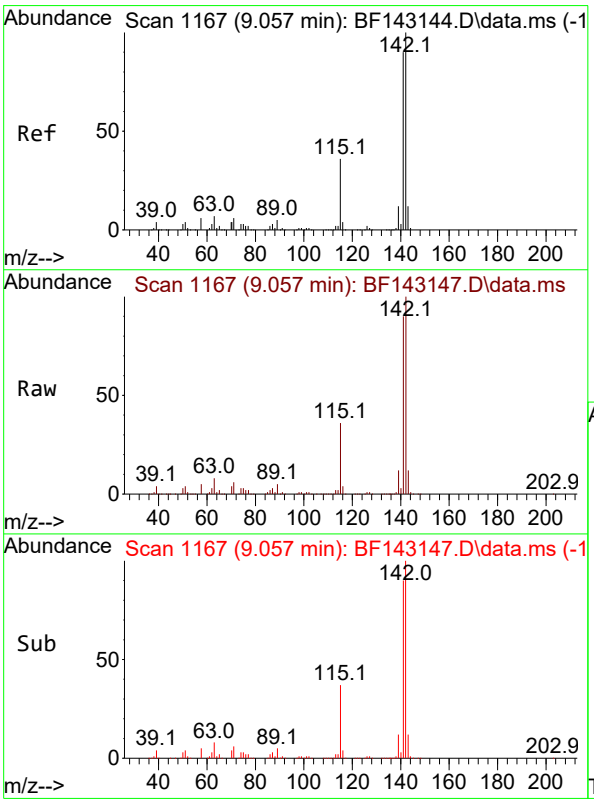
Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

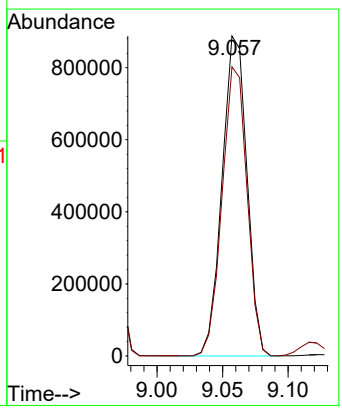


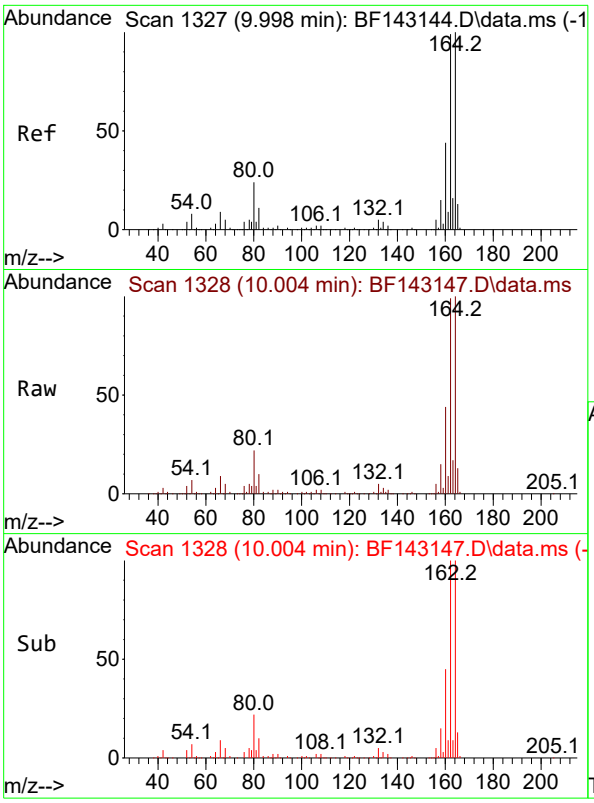


#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

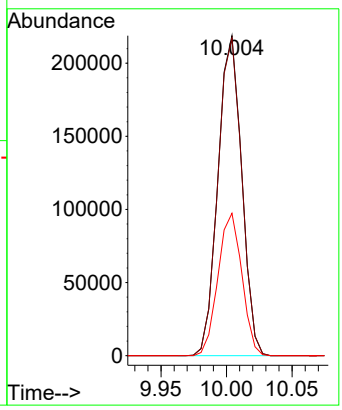
Tgt Ion:164 Resp: 27561

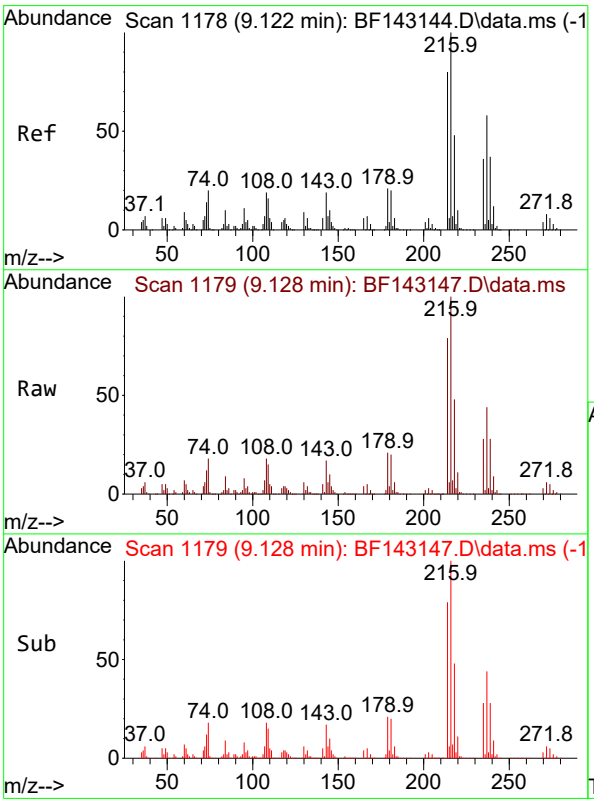
Ion	Ratio	Lower	Upper
164	100		
162	99.2	79.0	118.6
160	44.5	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

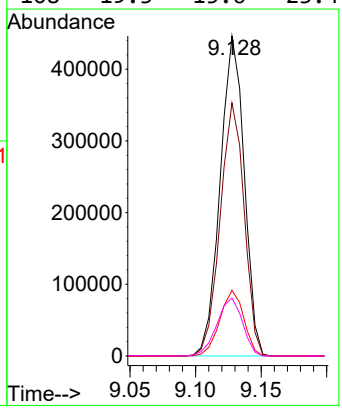


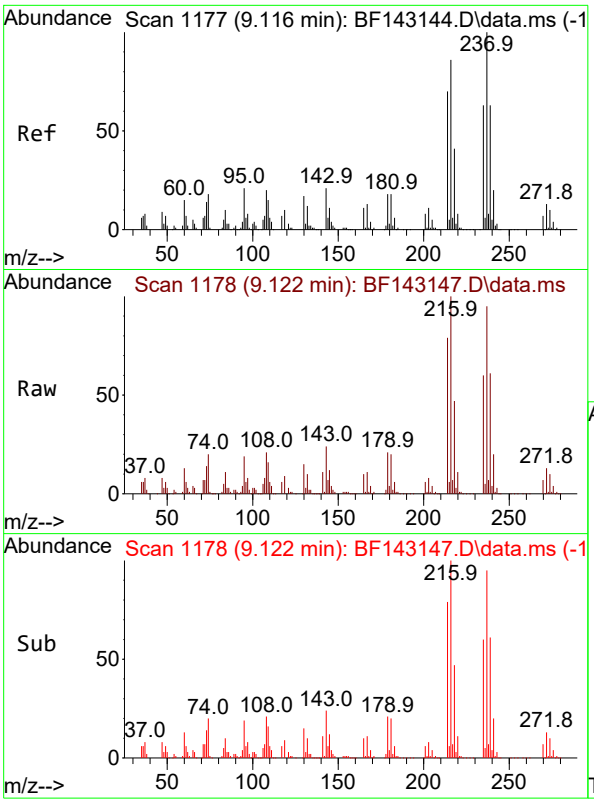


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.389 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

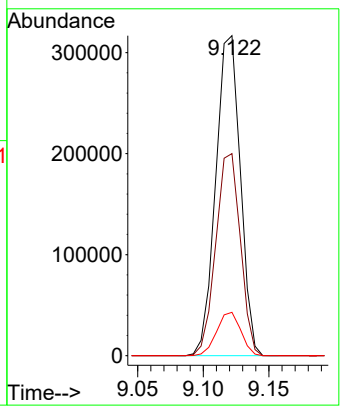
Tgt Ion:237 Resp: 41275

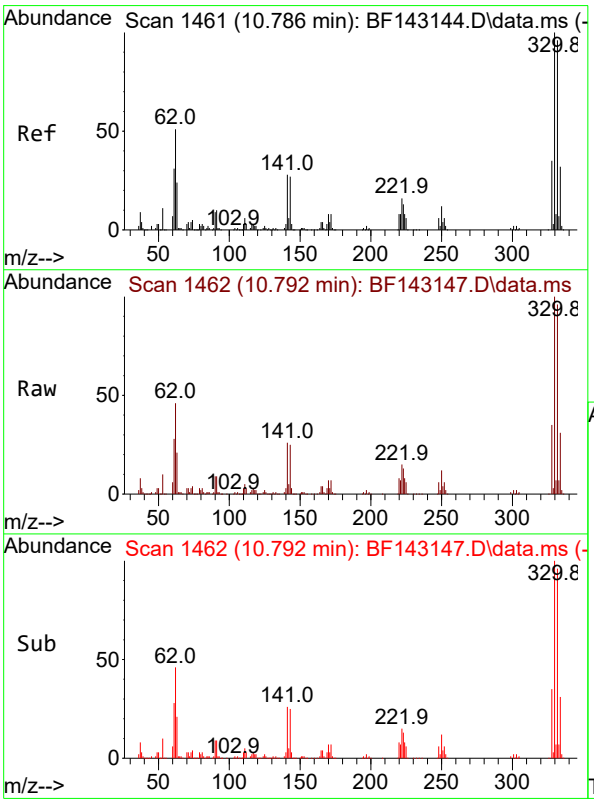
Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.6	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

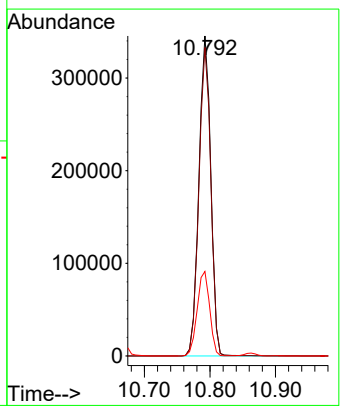


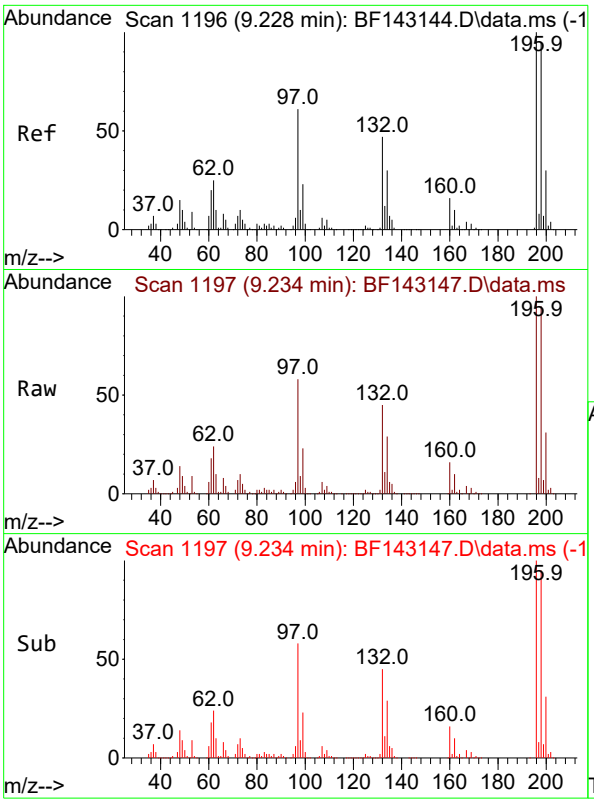


#42
2,4,6-Tribromophenol
Concen: 153.498 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

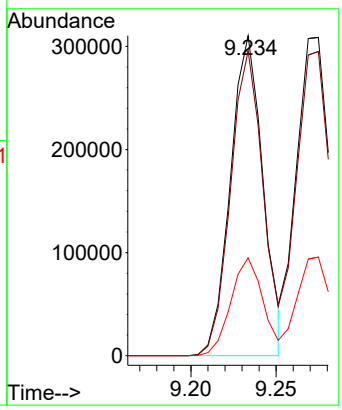
Tgt Ion:196 Resp: 41214

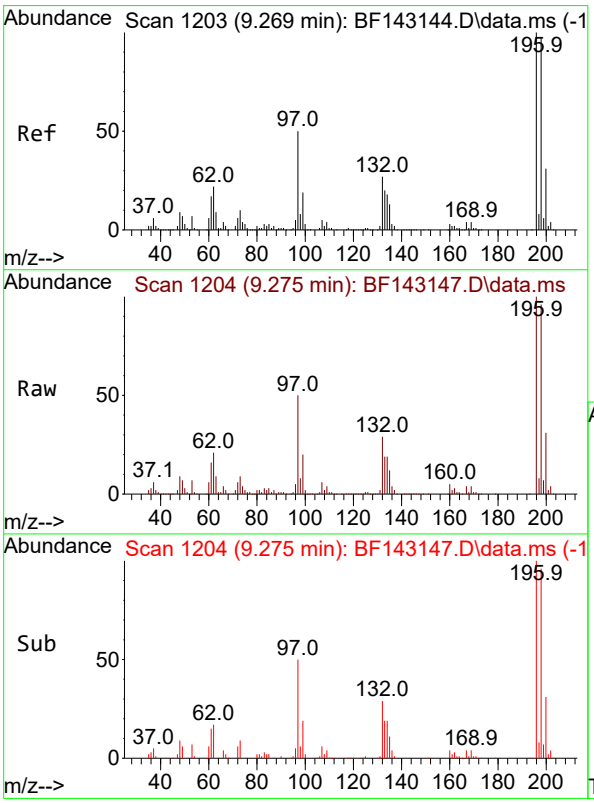
Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.2	114.2
200	30.6	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

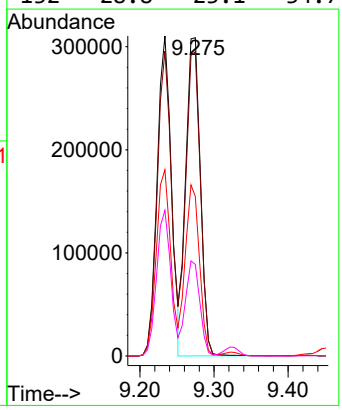


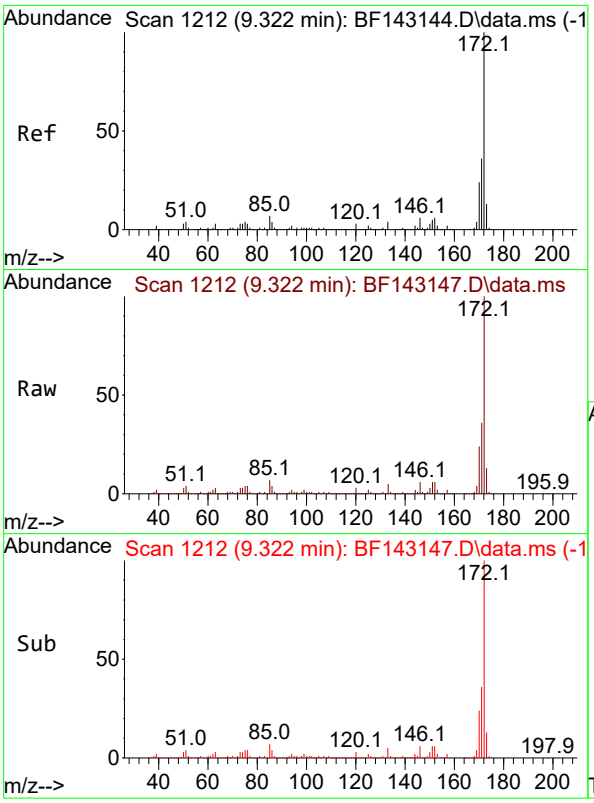


#44
2,4,5-Trichlorophenol
Concen: 76.888 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

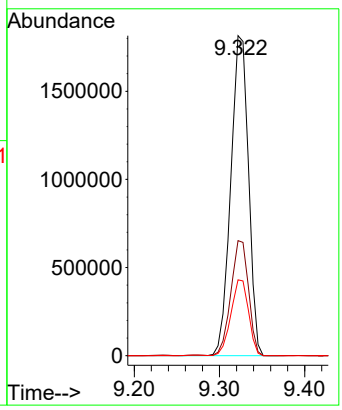
Tgt Ion:172 Resp: 262307

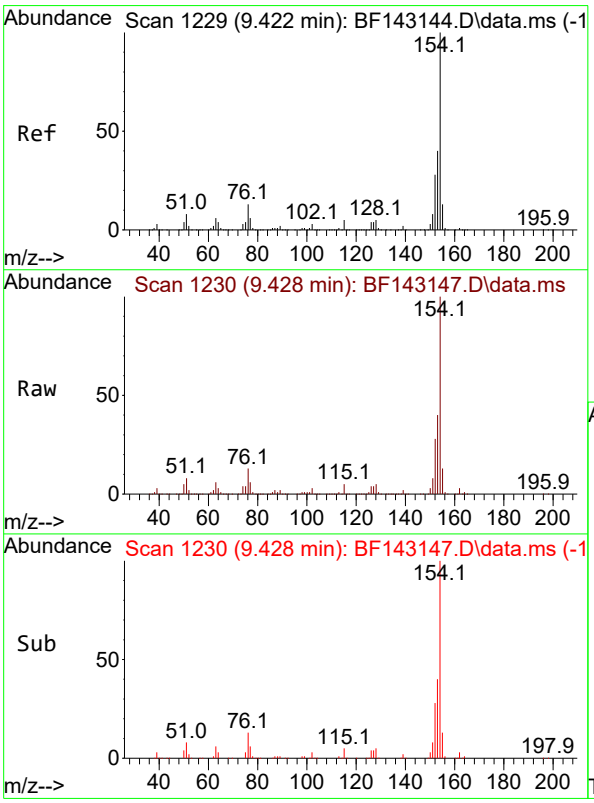
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	23.7	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

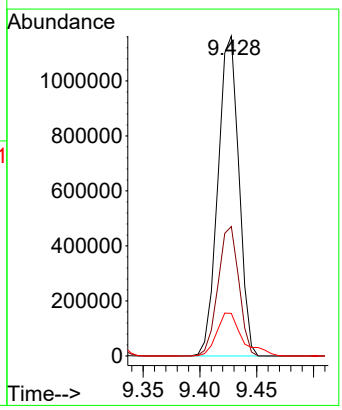


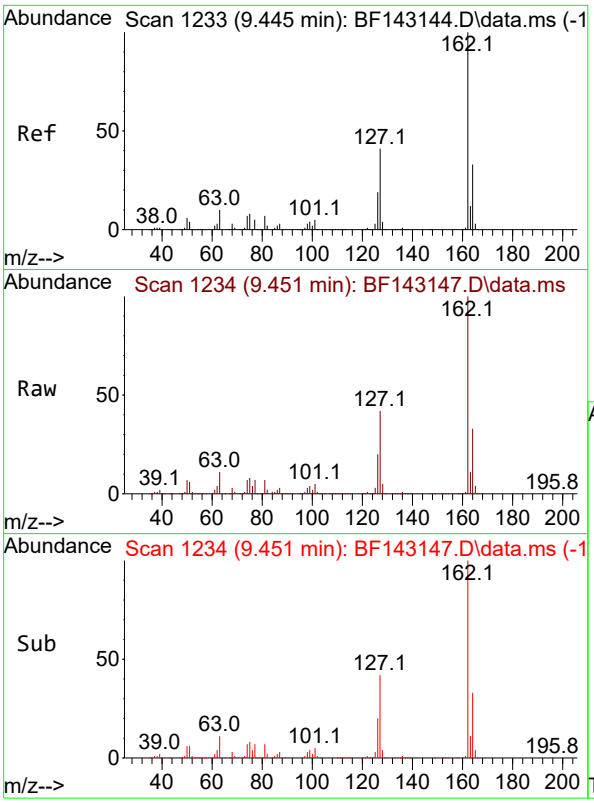


#46
1,1'-Biphenyl
Concen: 69.388 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

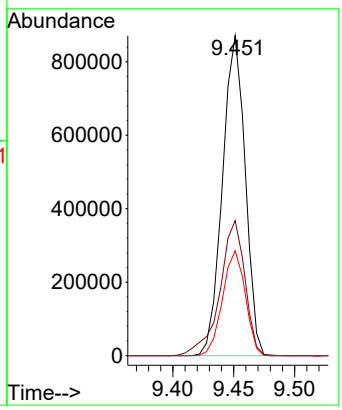
Tgt Ion:162 Resp: 113162

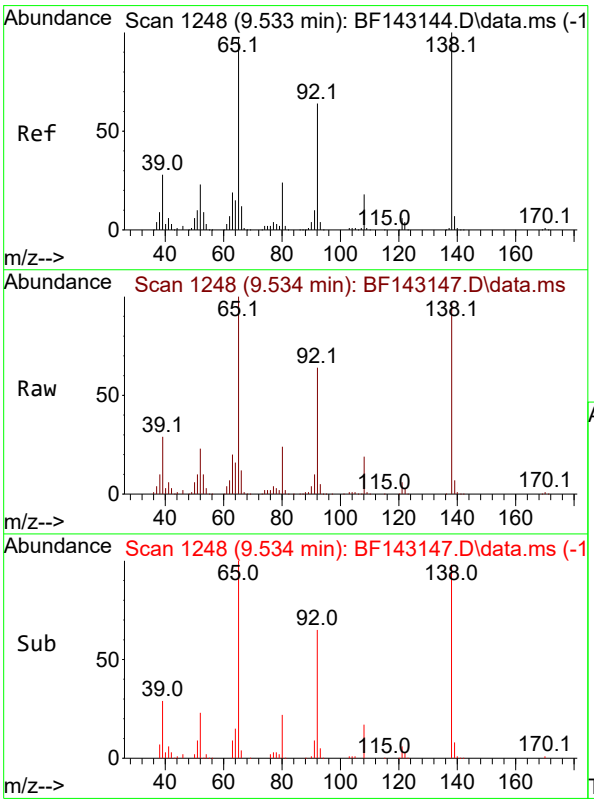
Ion	Ratio	Lower	Upper
162	100		
127	42.2	33.4	50.2
164	32.8	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

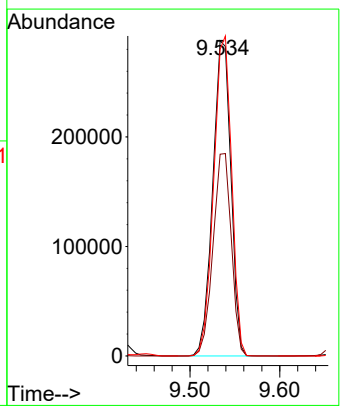


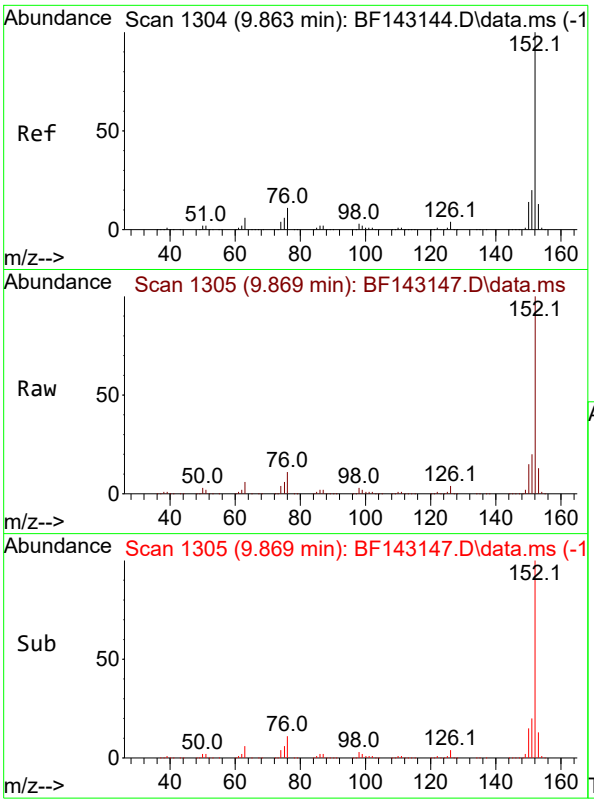


#48
2-Nitroaniline
Concen: 80.971 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

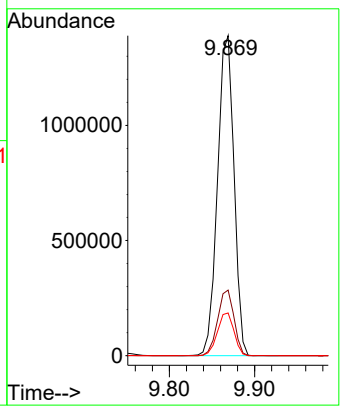
Tgt Ion:152 Resp: 186806

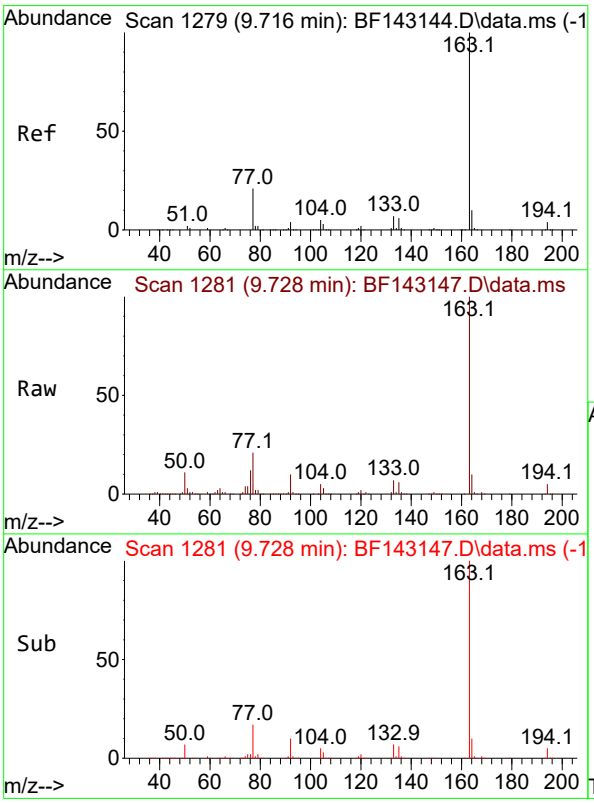
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.2
153	13.4	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

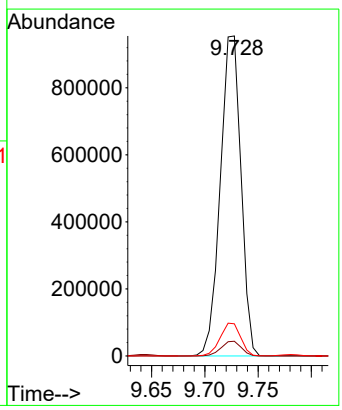


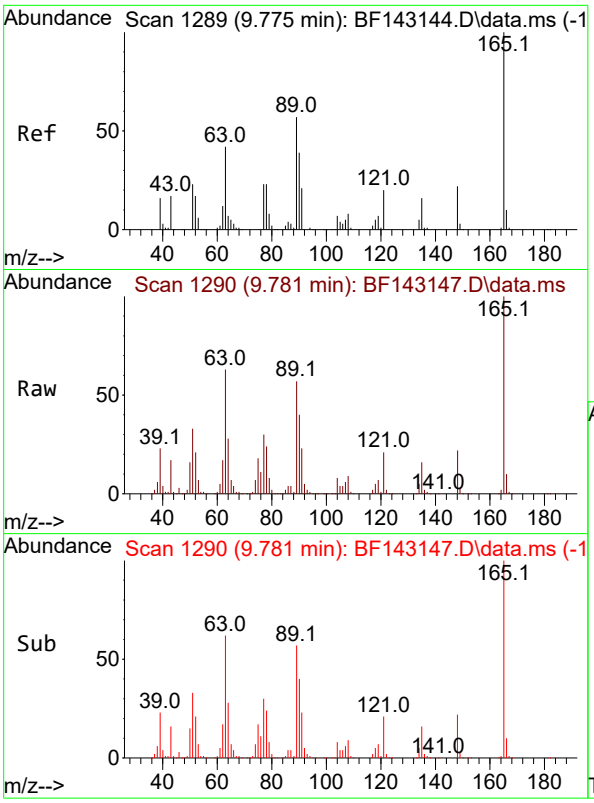


#50
Dimethylphthalate
Concen: 71.723 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

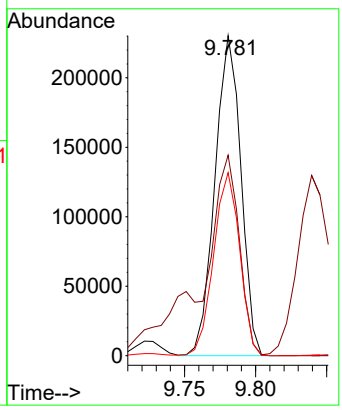
Tgt Ion:165 Resp: 29271

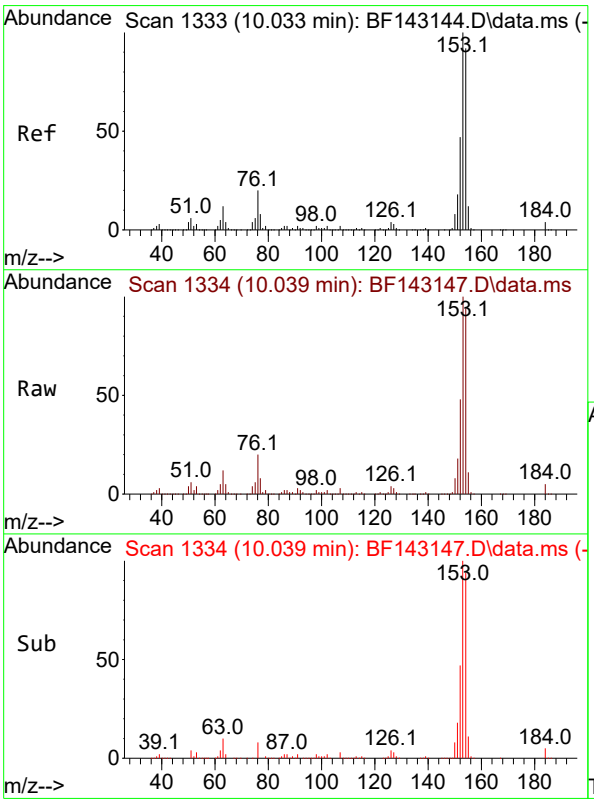
Ion	Ratio	Lower	Upper
165	100		
63	62.6	49.4	74.2
89	57.2	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

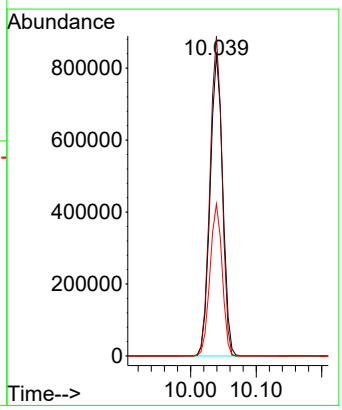


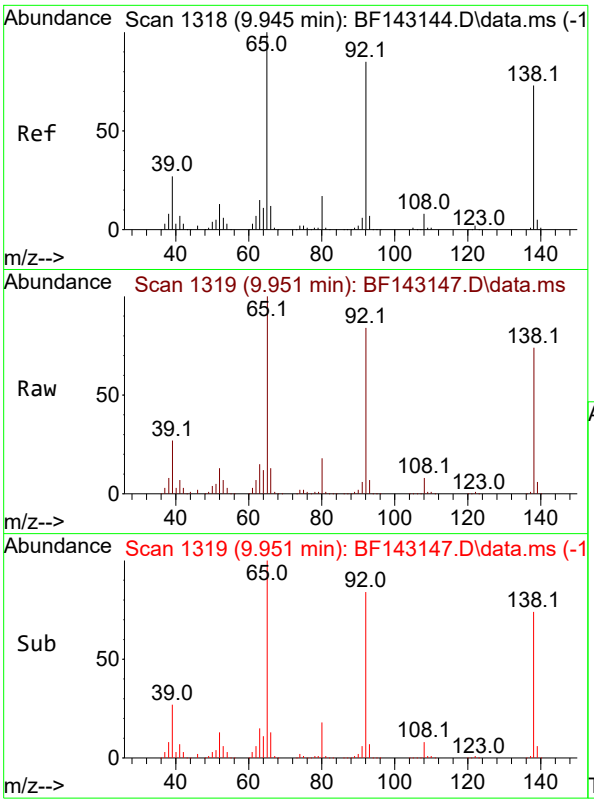


#52
Acenaphthene
Concen: 71.086 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

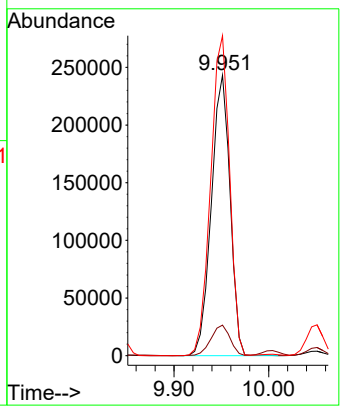
Tgt Ion:138 Resp: 33398

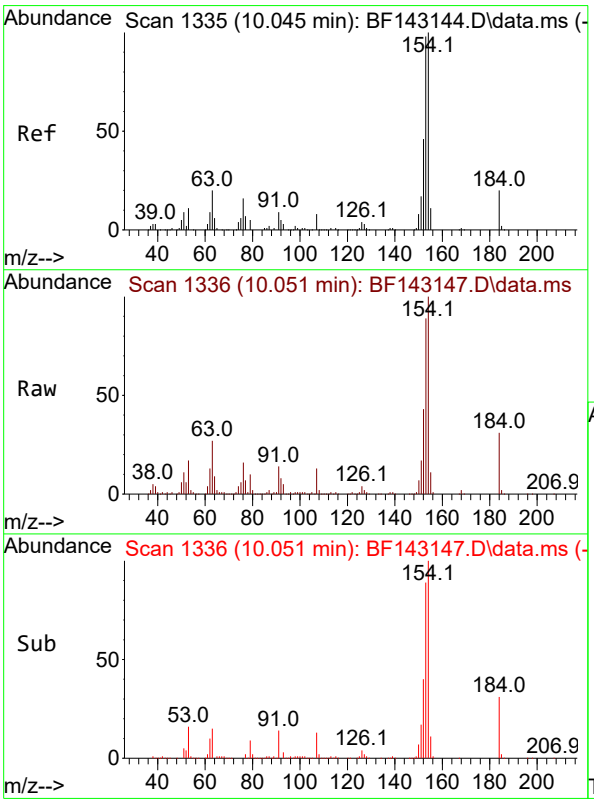
Ion	Ratio	Lower	Upper
138	100		
108	10.9	9.0	13.6
92	114.1	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

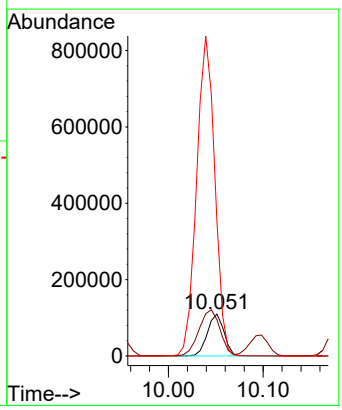


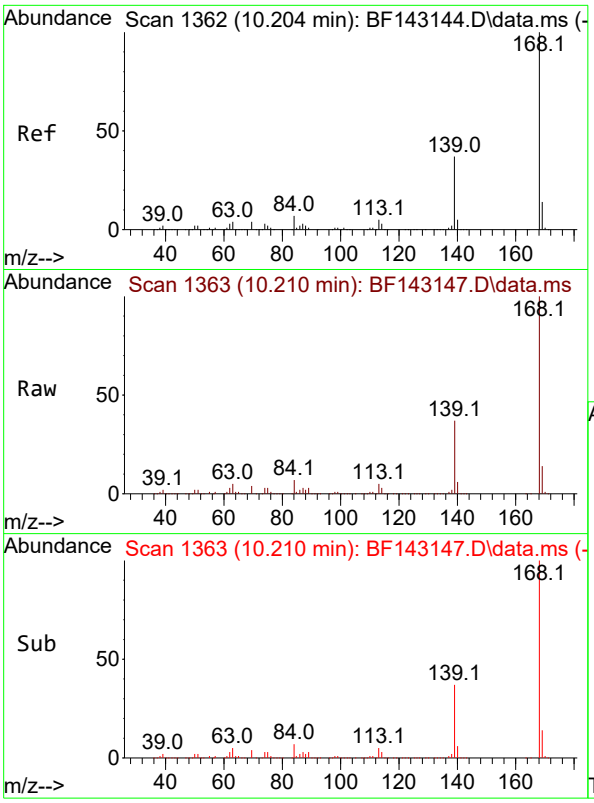


#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

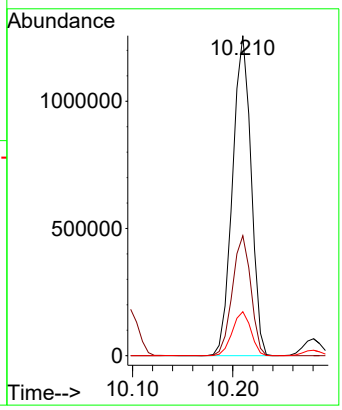
Tgt Ion:168 Resp: 1615399

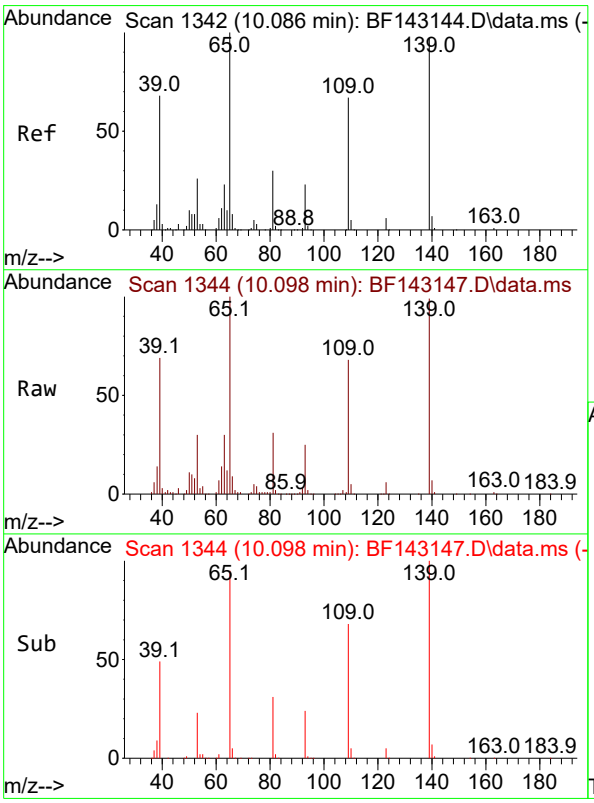
Ion	Ratio	Lower	Upper
168	100		
139	37.5	29.5	44.3
169	13.8	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

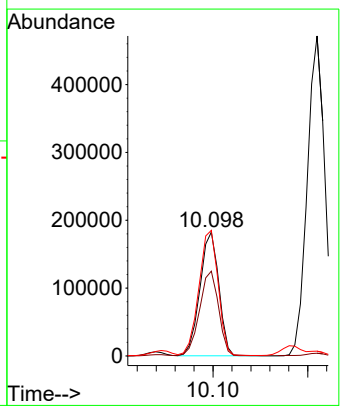


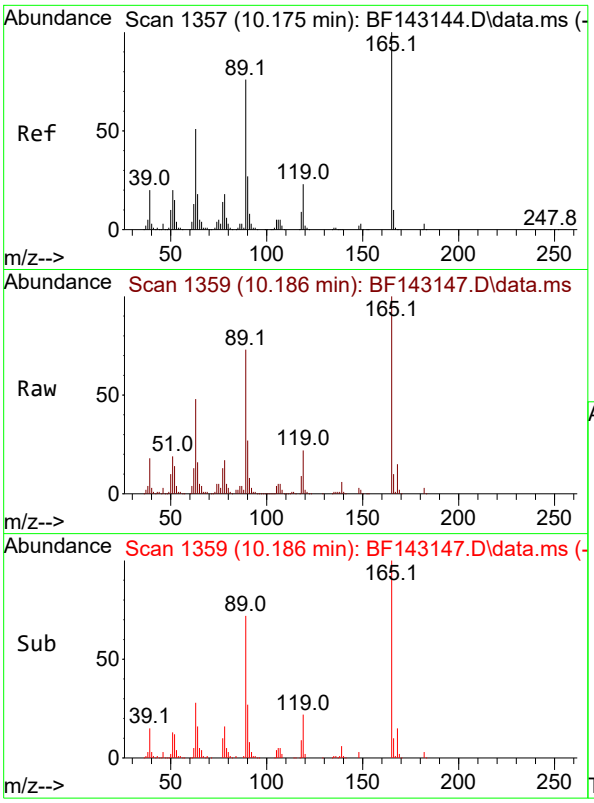


#56
4-Nitrophenol
Concen: 79.161 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

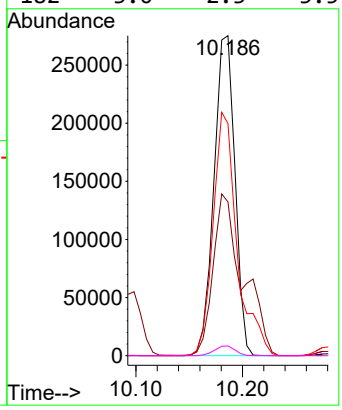
Tgt Ion:165 Resp: 37612

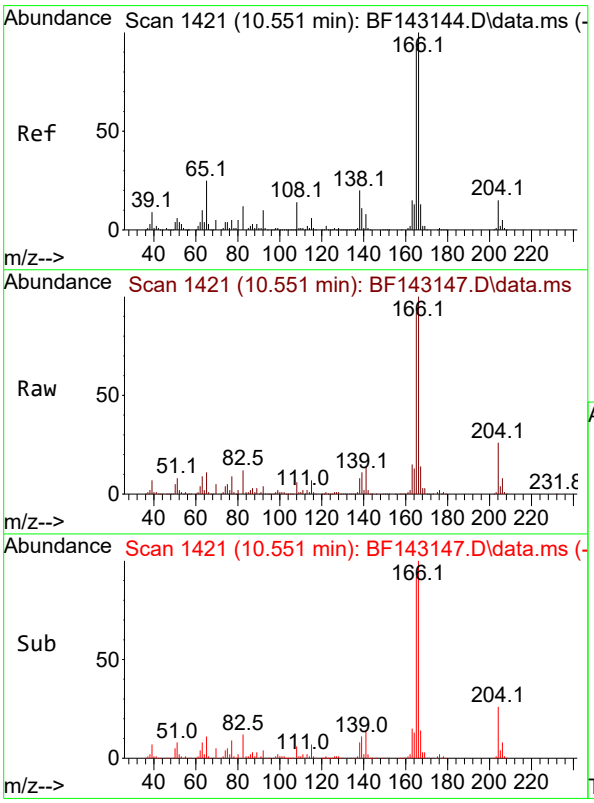
Ion	Ratio	Lower	Upper
165	100		
63	48.1	41.0	61.4
89	72.5	61.1	91.7
182	3.0	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

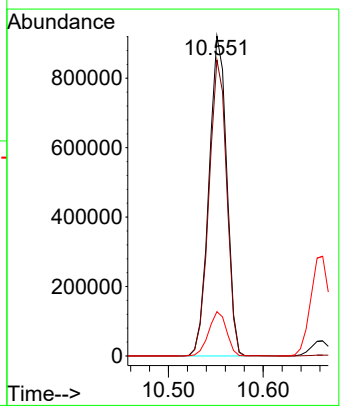


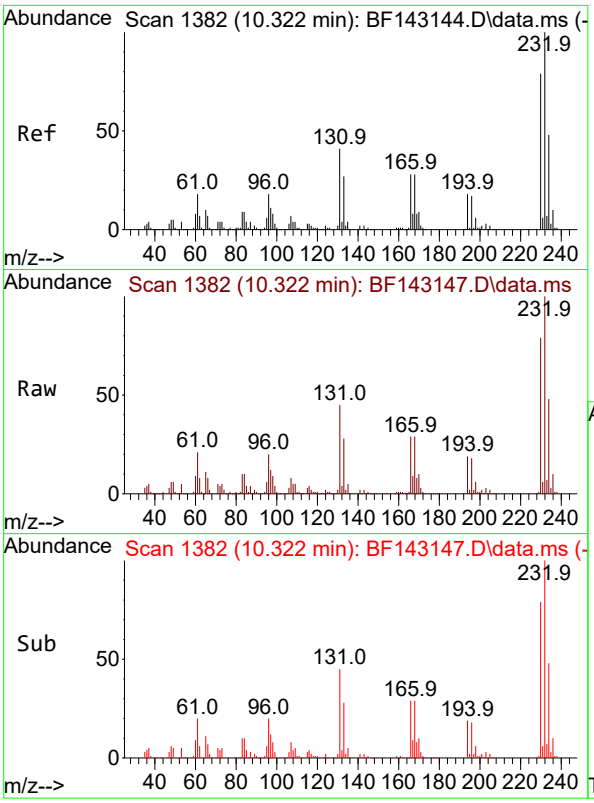


#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

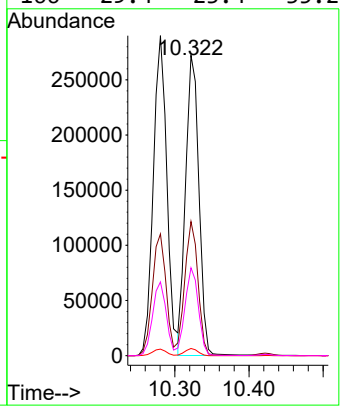
Tgt Ion:232 Resp: 340118

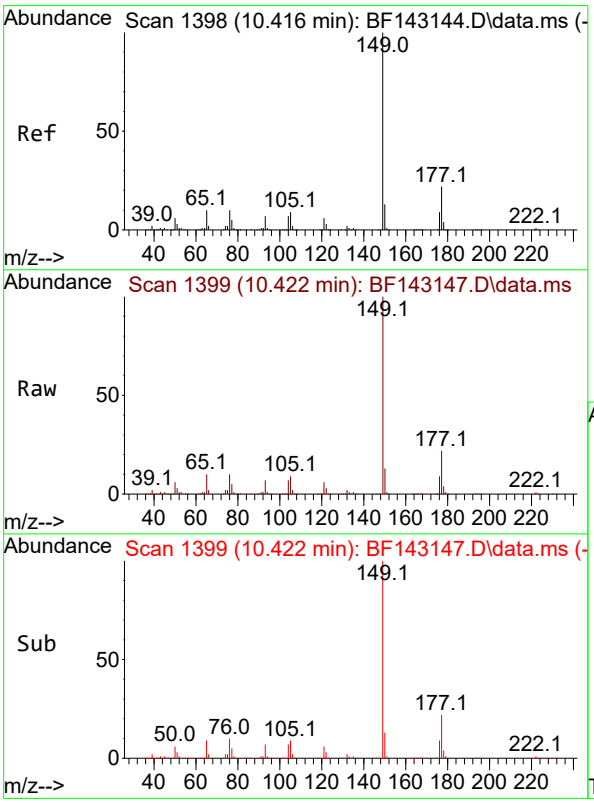
Ion	Ratio	Lower	Upper
232	100		
131	44.5	35.3	52.9
130	2.4	1.7	2.5
166	29.4	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

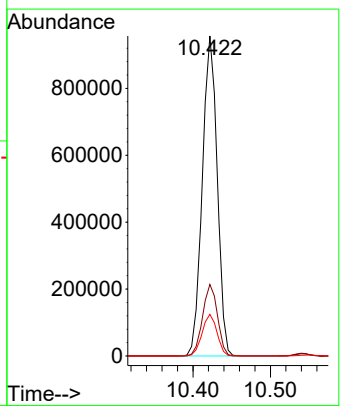


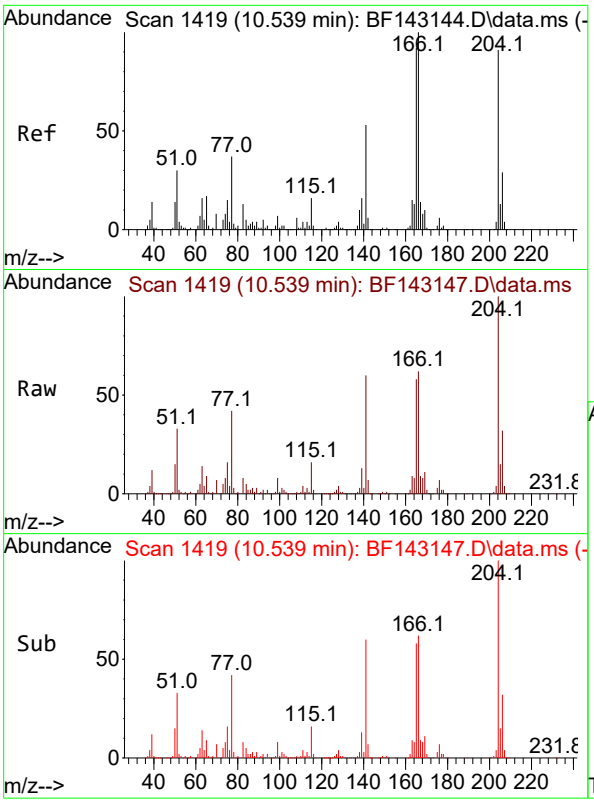


#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

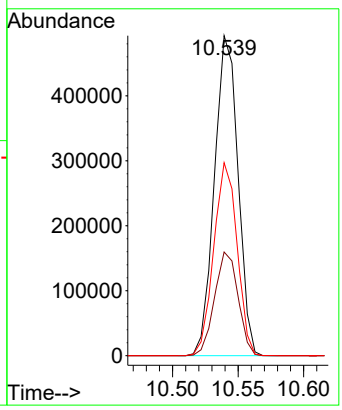
Tgt Ion:204 Resp: 61496

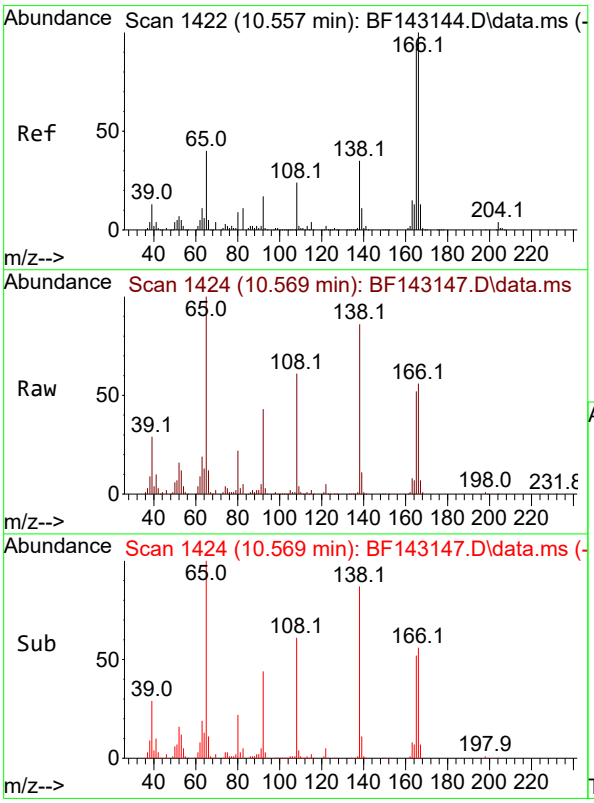
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	60.3	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

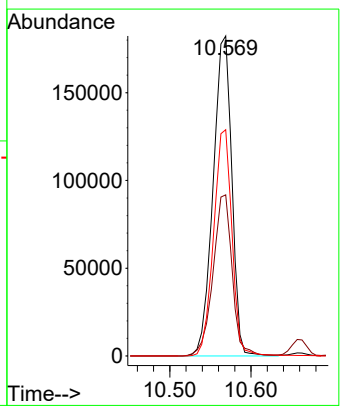


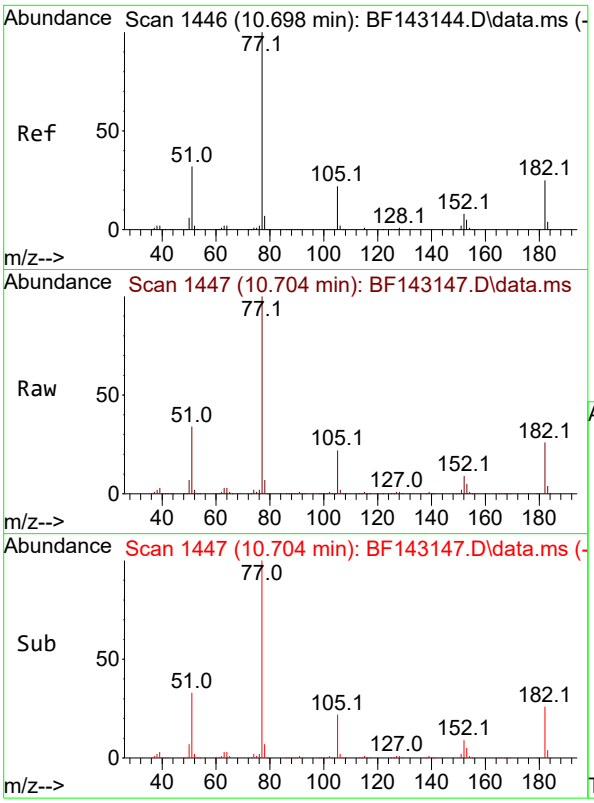


#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

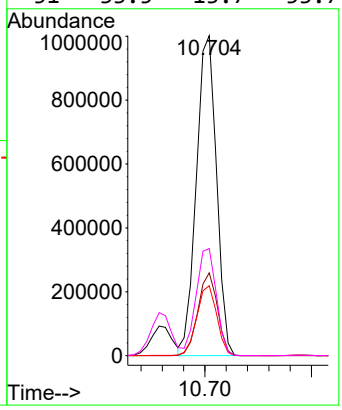
Tgt Ion: 77 Resp: 131872

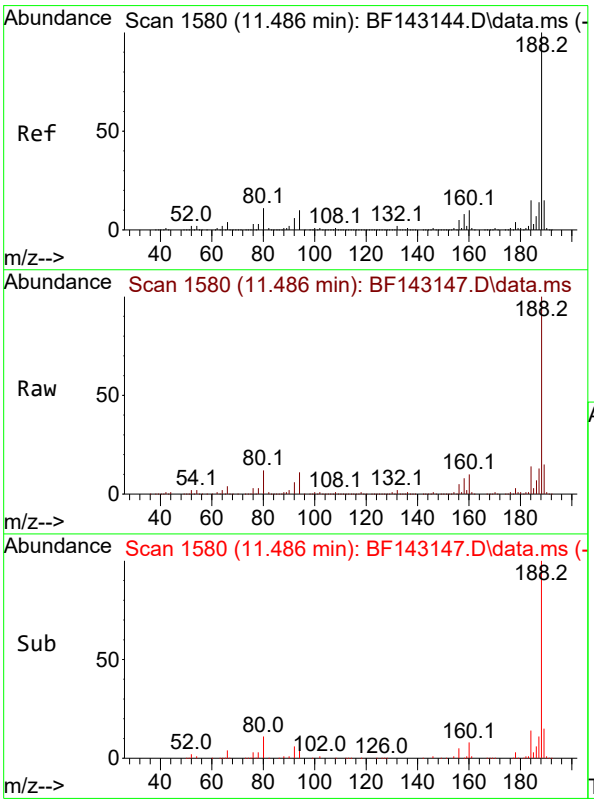
Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.6	44.6
105	21.9	1.4	41.4
51	33.5	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

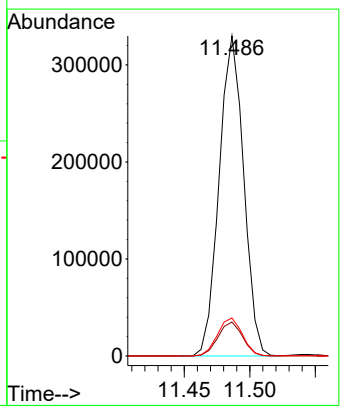


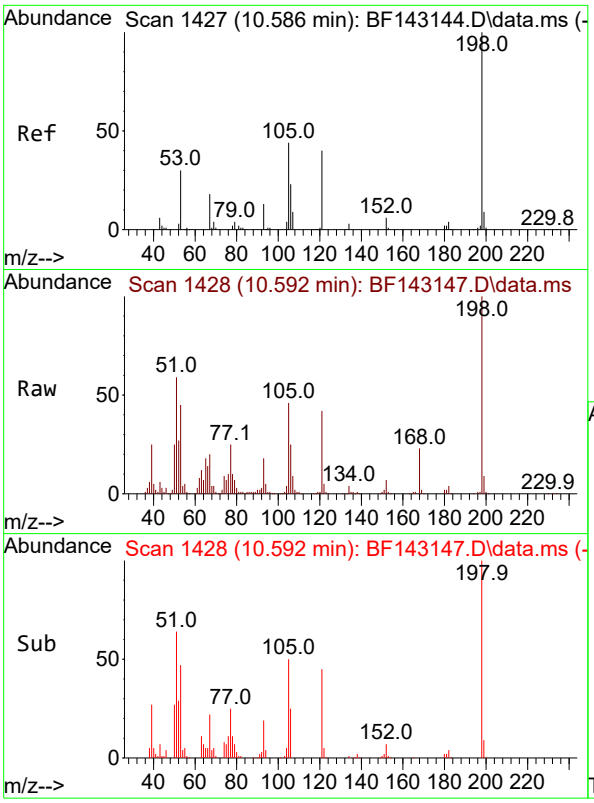


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

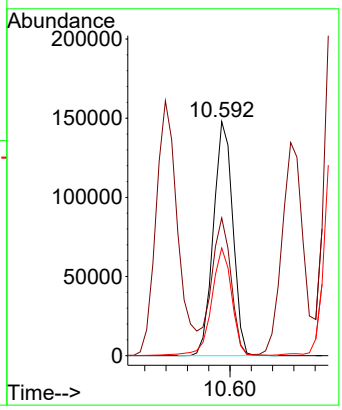
Tgt Ion:198 Resp: 18641

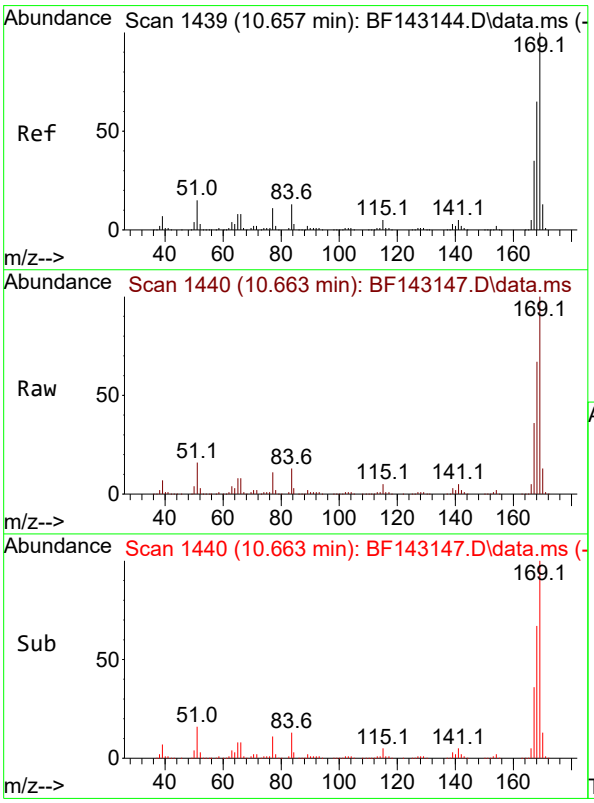
Ion	Ratio	Lower	Upper
198	100		
51	58.9	37.2	77.2
105	46.0	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

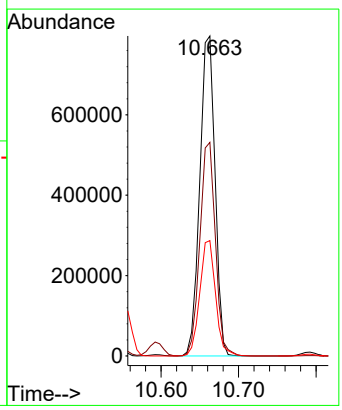


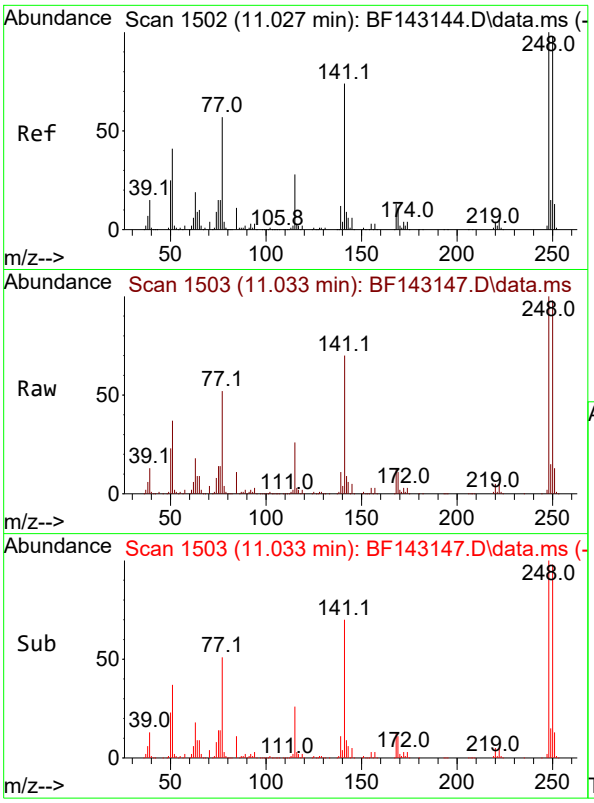


#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

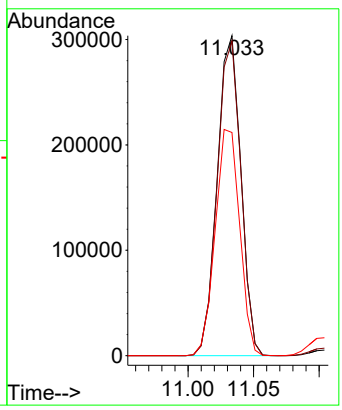
Tgt Ion:248 Resp: 38212

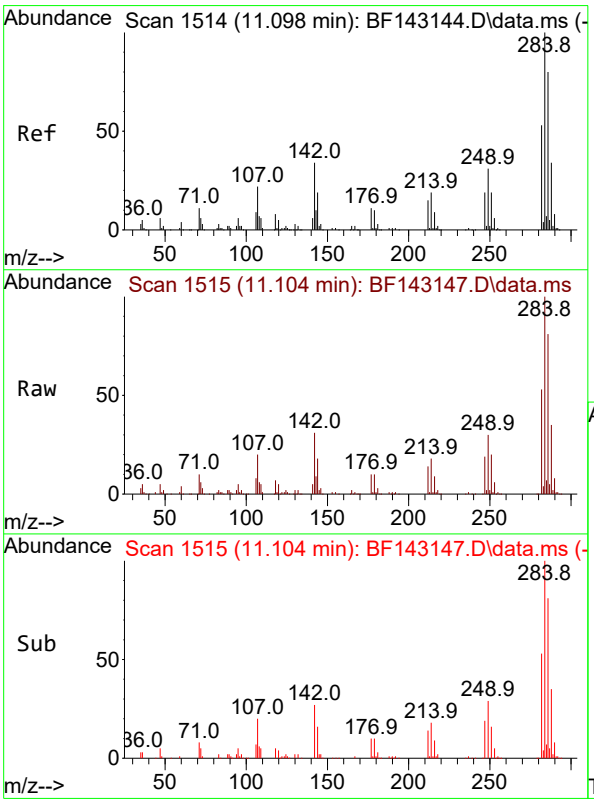
Ion	Ratio	Lower	Upper
248	100		
250	98.3	78.3	117.5
141	69.8	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

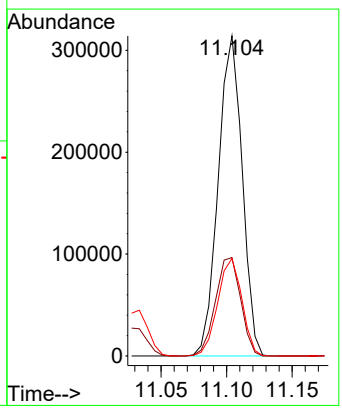


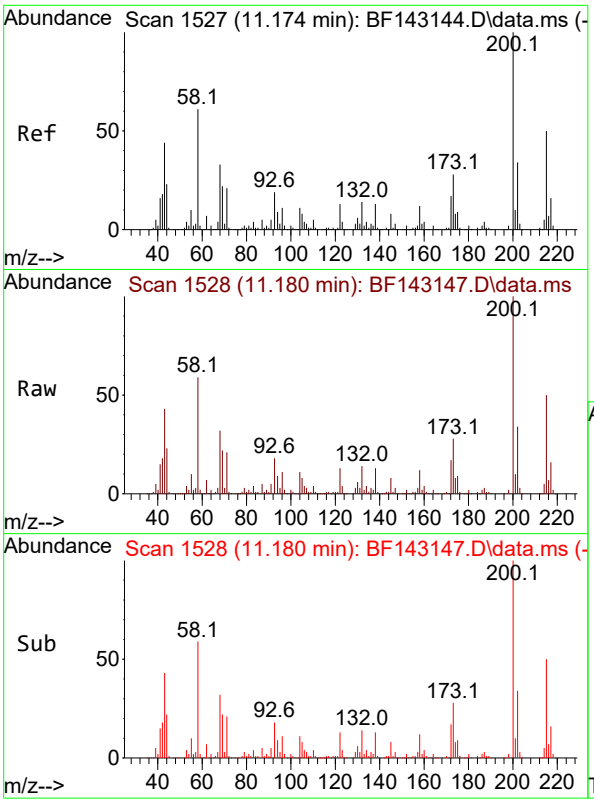


#68
Hexachlorobenzene
Concen: 74.680 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

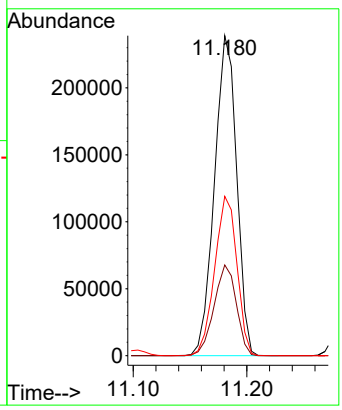
Tgt Ion:200 Resp: 32412

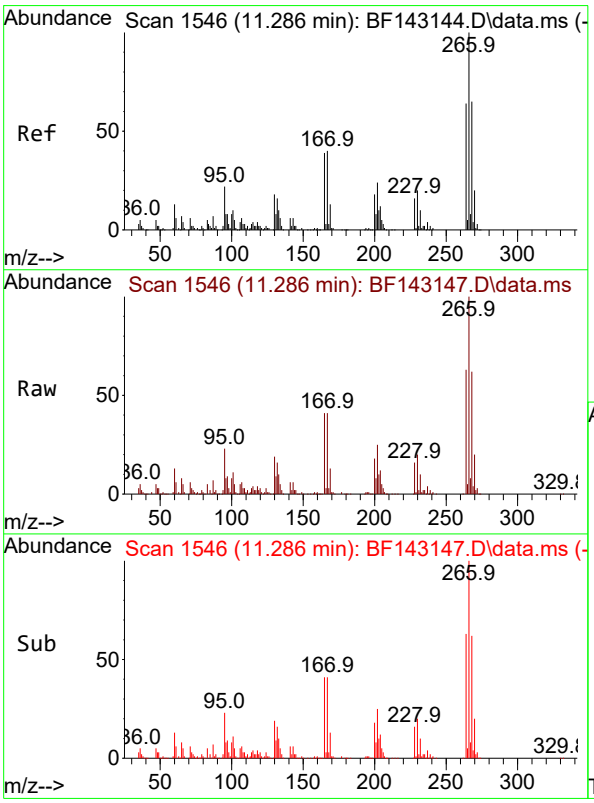
Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.8	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

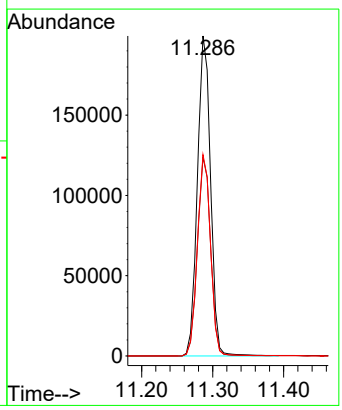


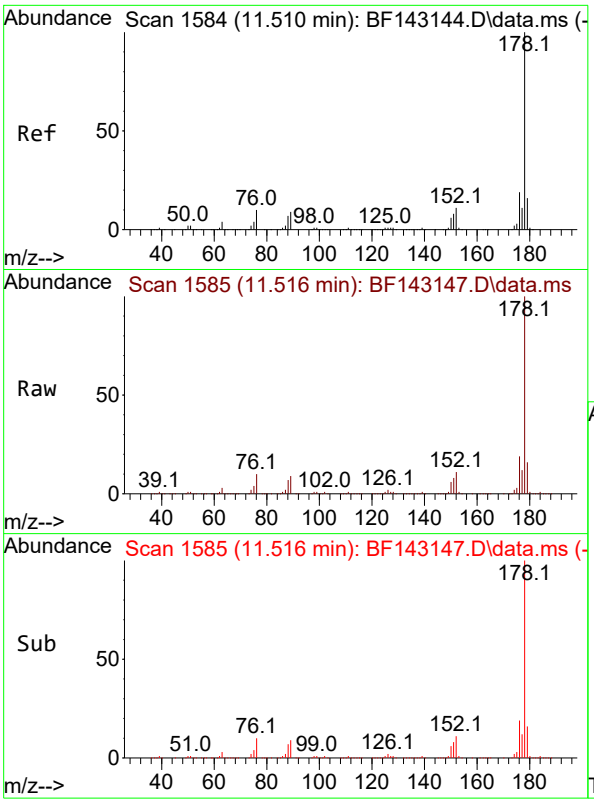


#70
Pentachlorophenol
Concen: 81.829 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

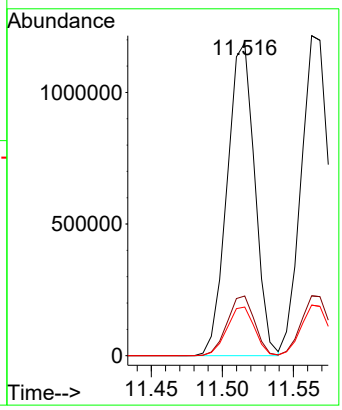
Tgt Ion:178 Resp: 160220

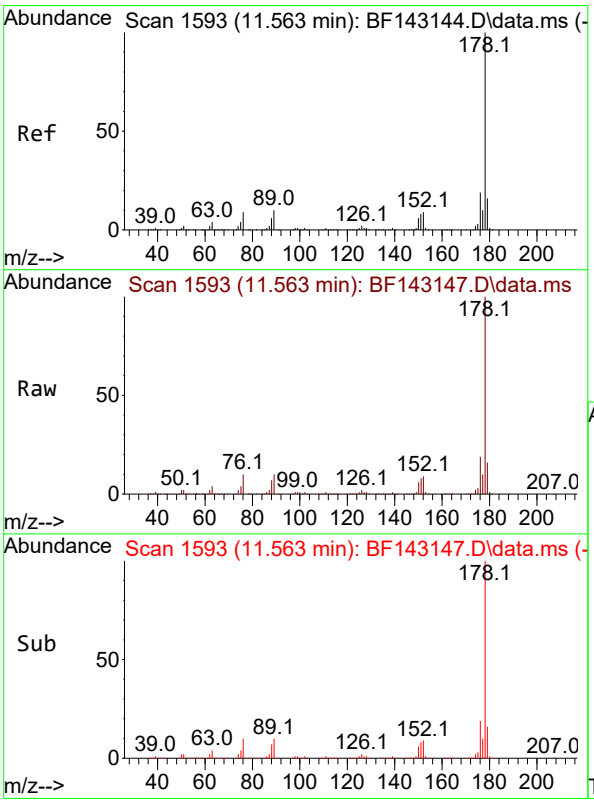
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.5	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

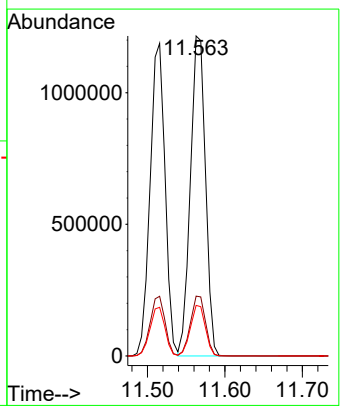


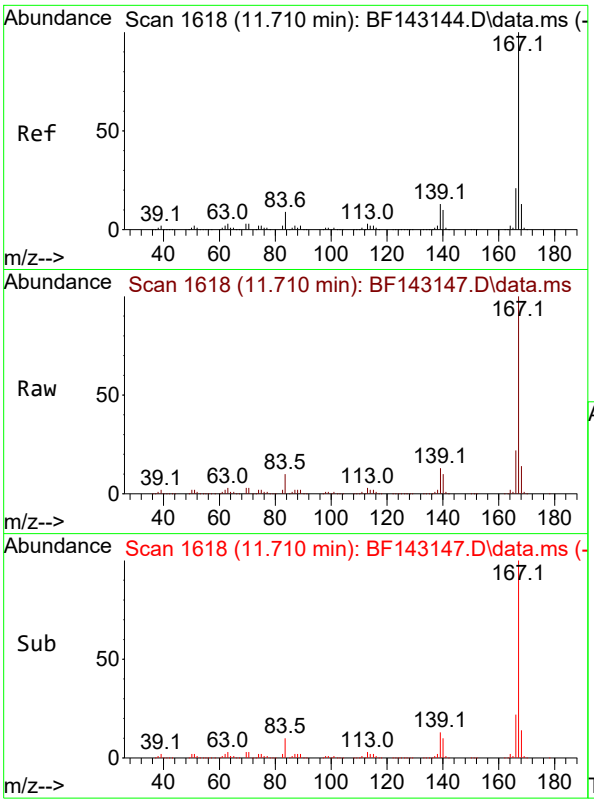


#72
Anthracene
Concen: 70.640 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

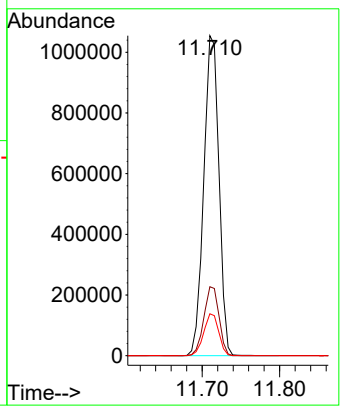
Tgt Ion:167 Resp: 143544

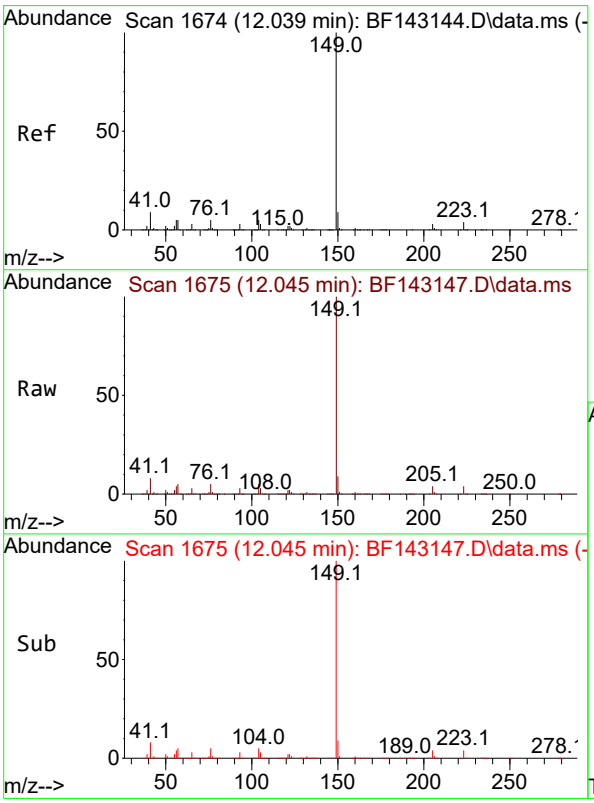
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.0	25.6
139	13.1	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

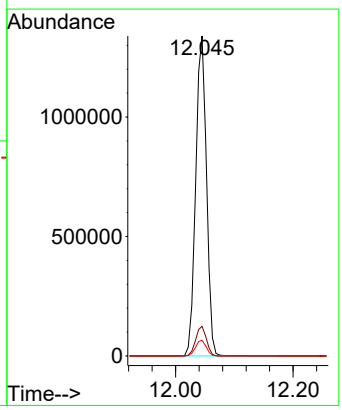


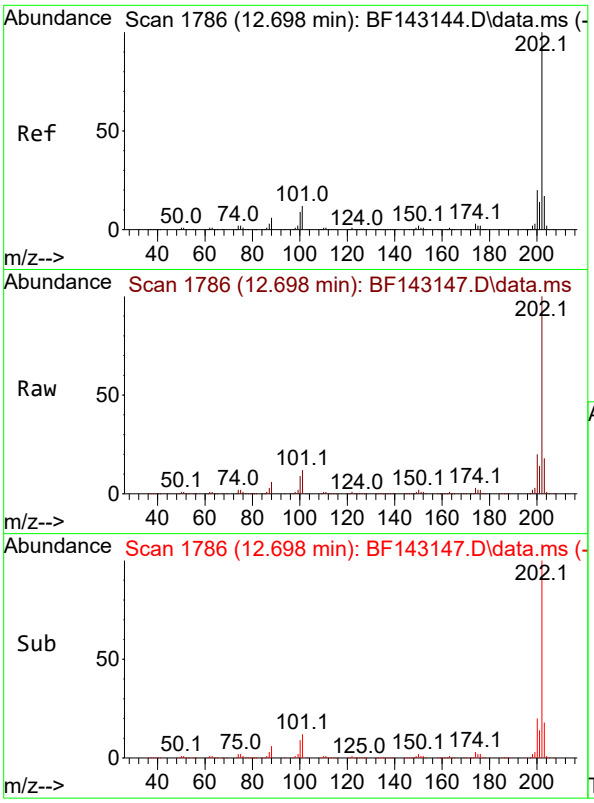


#74
Di-n-butylphthalate
Concen: 74.034 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

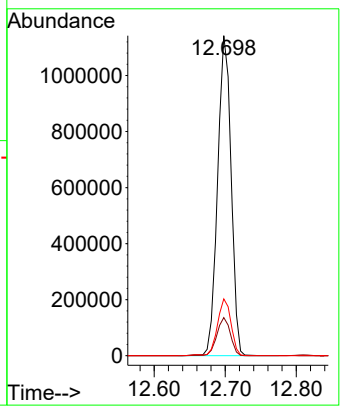
Tgt Ion:202 Resp: 149810

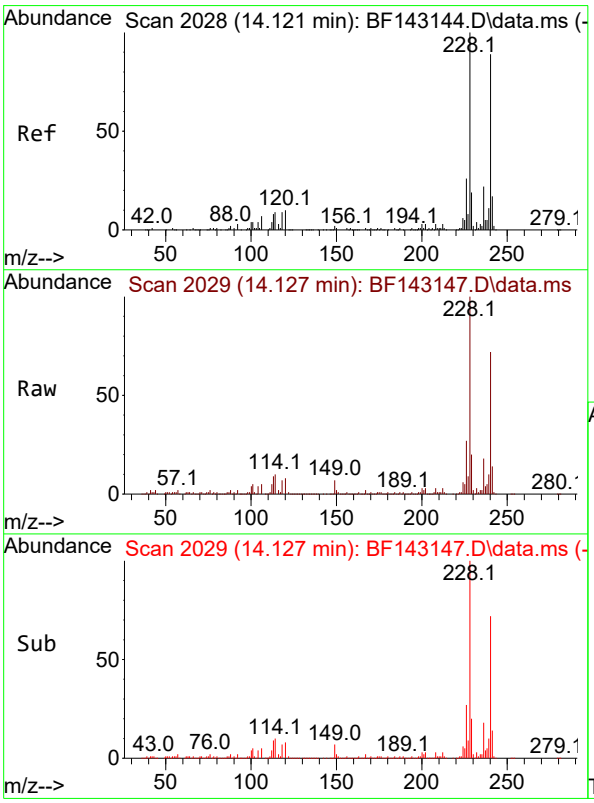
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.7
203	17.8	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

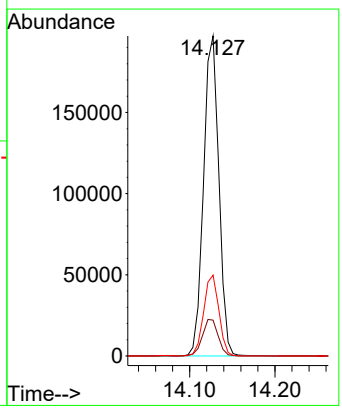


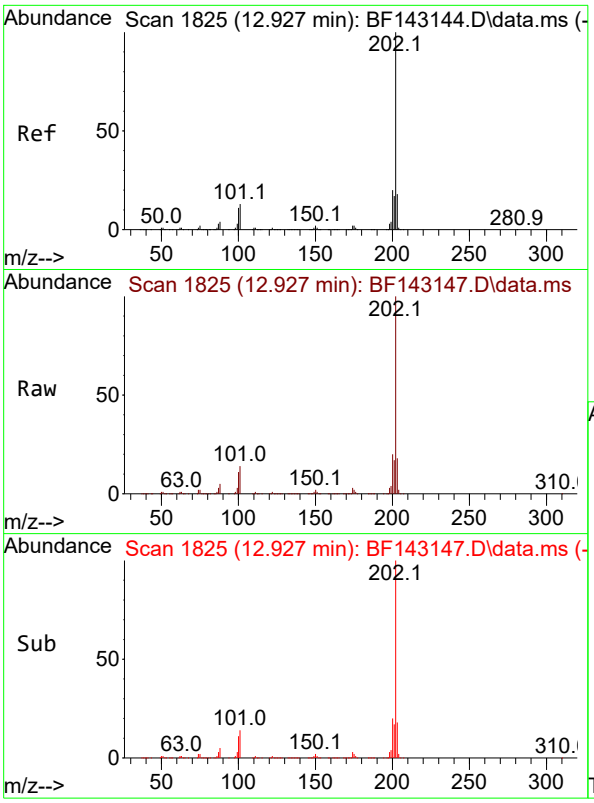


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

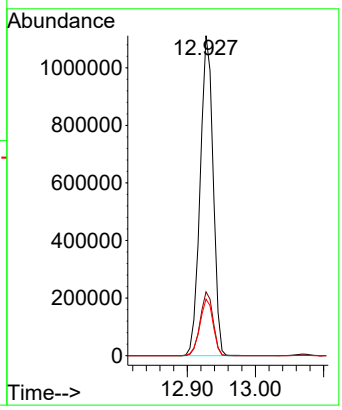
Tgt Ion:202 Resp: 146620

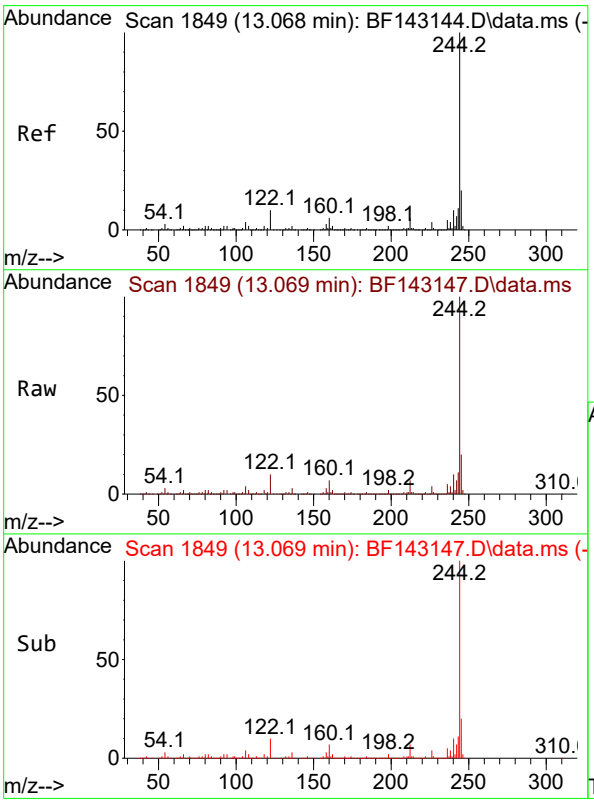
Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	17.7	14.2	21.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

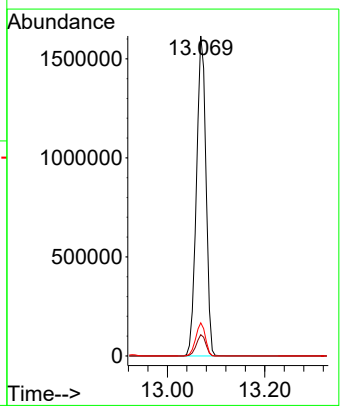


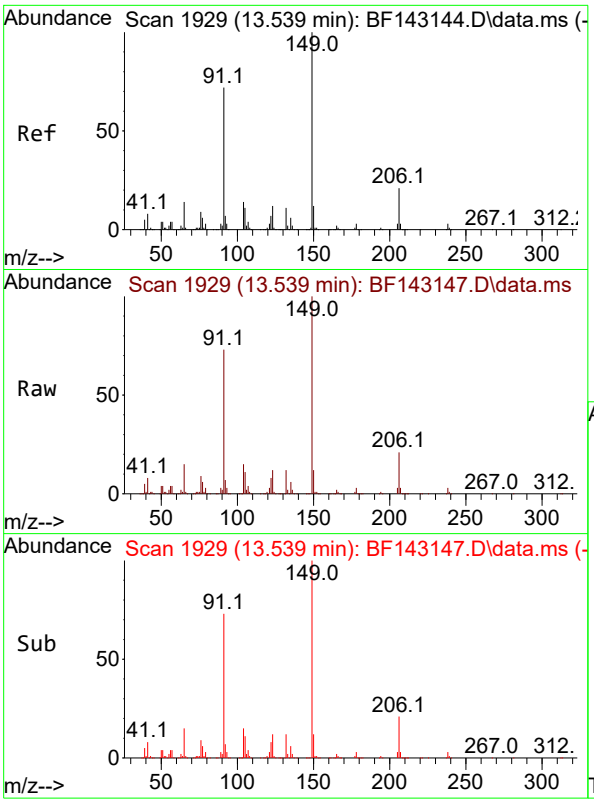


#79
Terphenyl-d14
Concen: 133.606 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

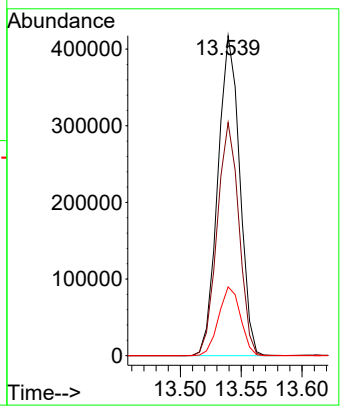
Tgt Ion:149 Resp: 52163

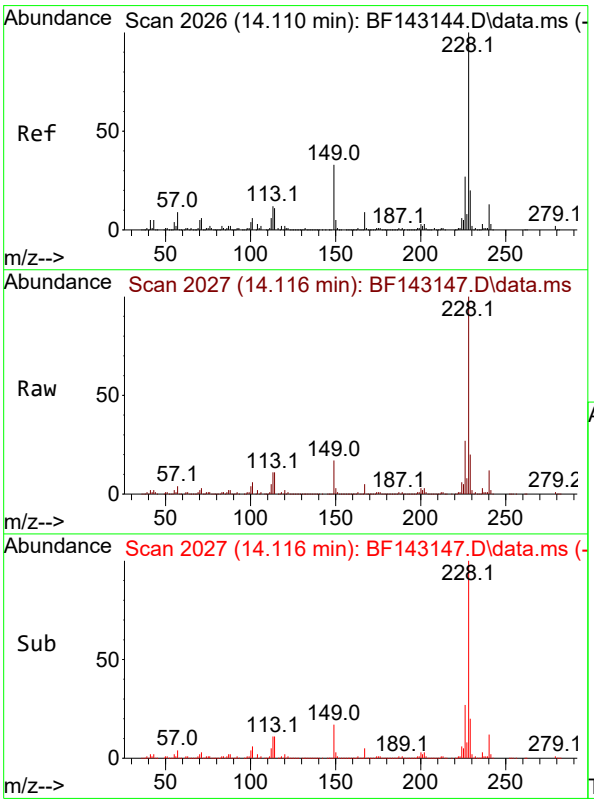
Ion	Ratio	Lower	Upper
149	100		
91	72.9	57.9	86.9
206	21.5	17.0	25.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

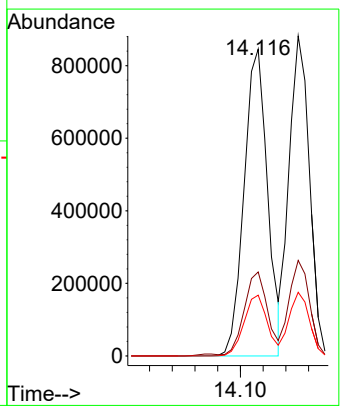


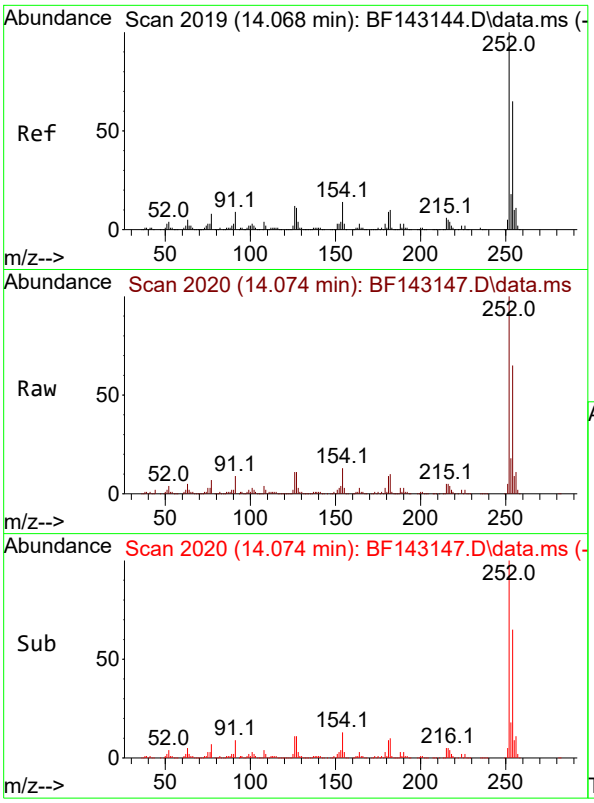


#81
Benzo(a)anthracene
Concen: 73.788 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

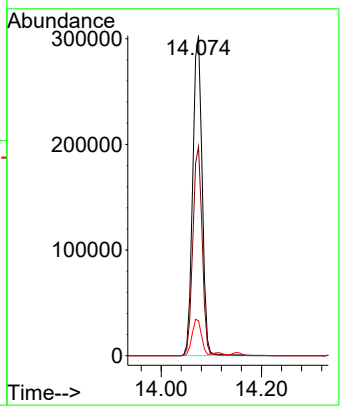
Tgt Ion:252 Resp: 39344

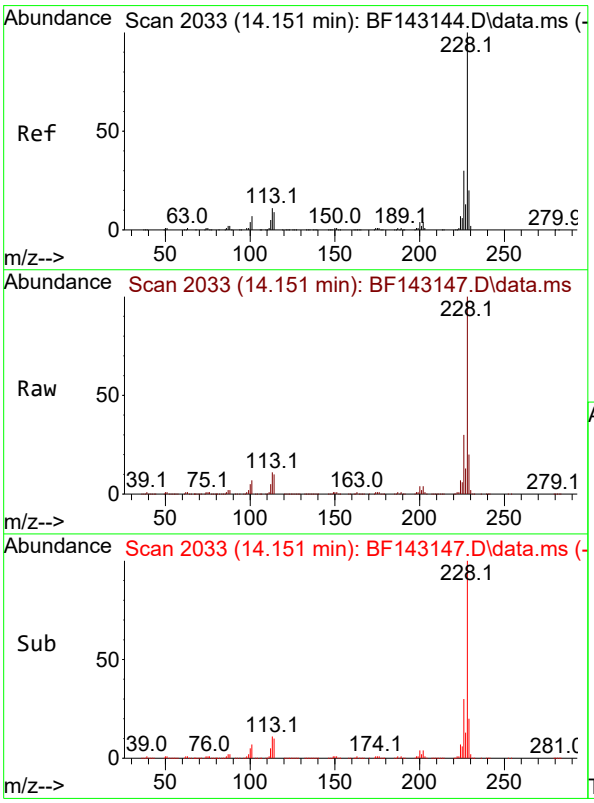
Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.7	77.5
126	10.9	9.4	14.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

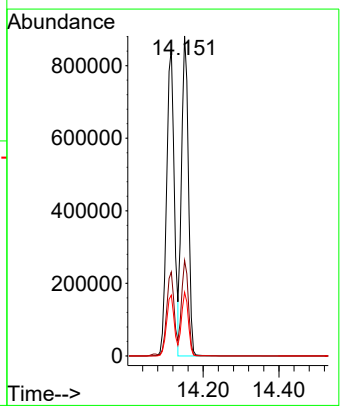


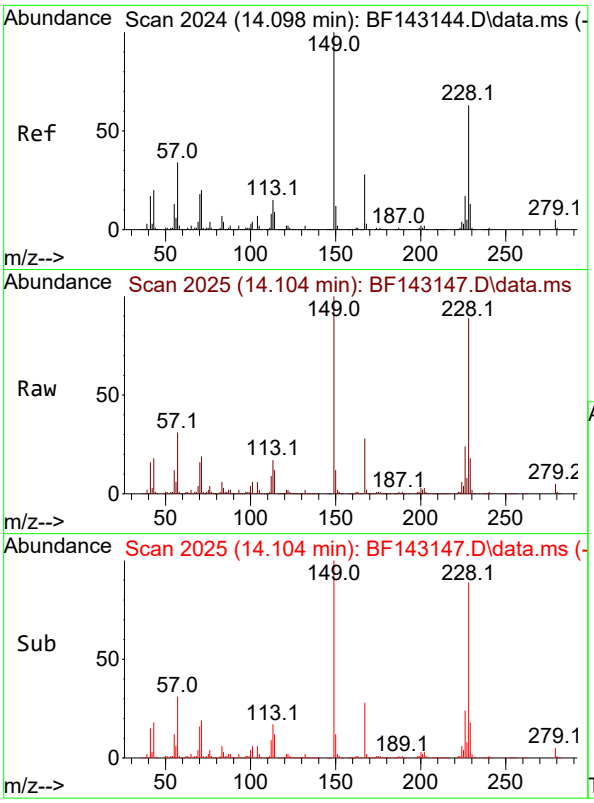


#83
Chrysene
Concen: 74.863 ng
RT: 14.151 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

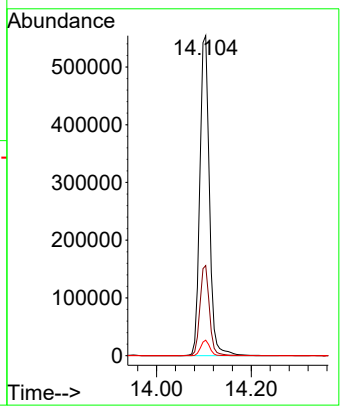
Tgt Ion:149 Resp: 77436(

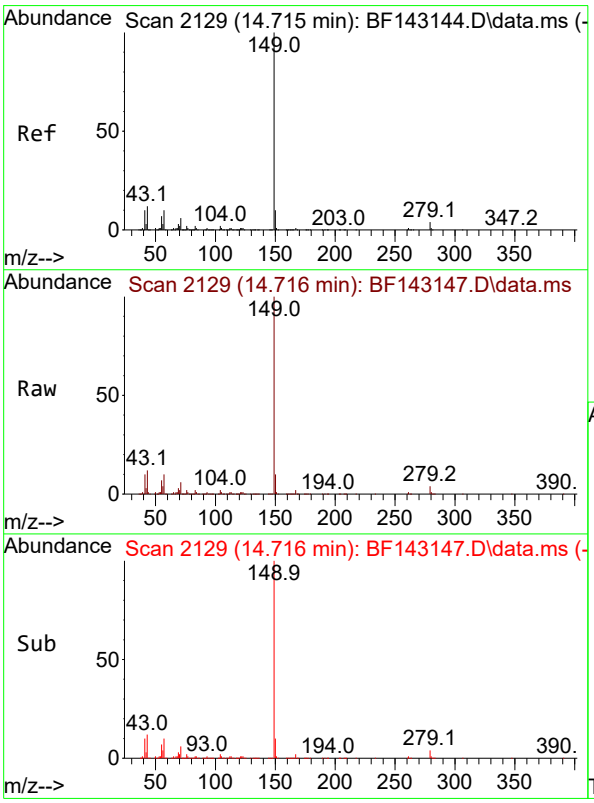
Ion	Ratio	Lower	Upper
149	100		
167	28.1	22.3	33.5
279	4.9	3.6	5.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

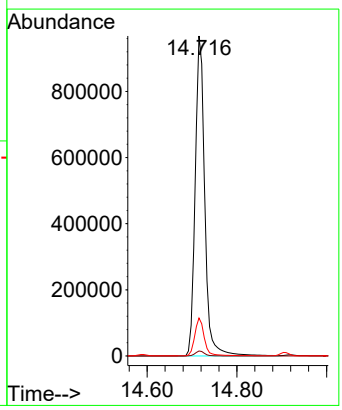


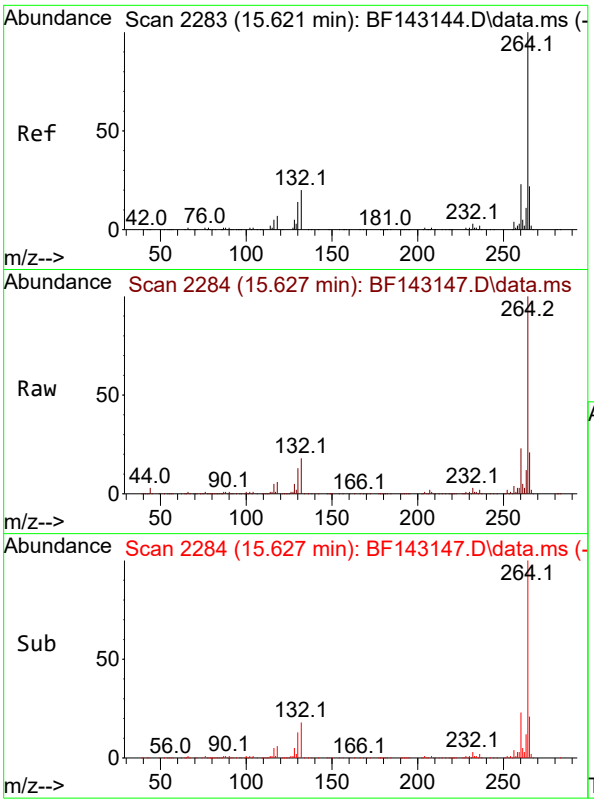


#85
Di-n-octyl phthalate
Concen: 81.519 ng
RT: 14.716 min Scan# 2129
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

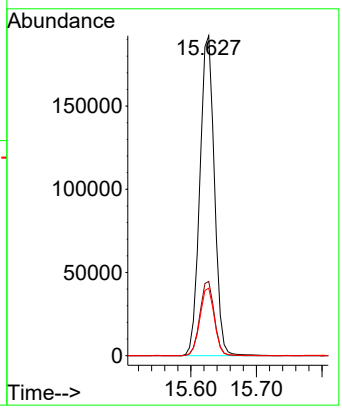
Tgt Ion:264 Resp: 29668

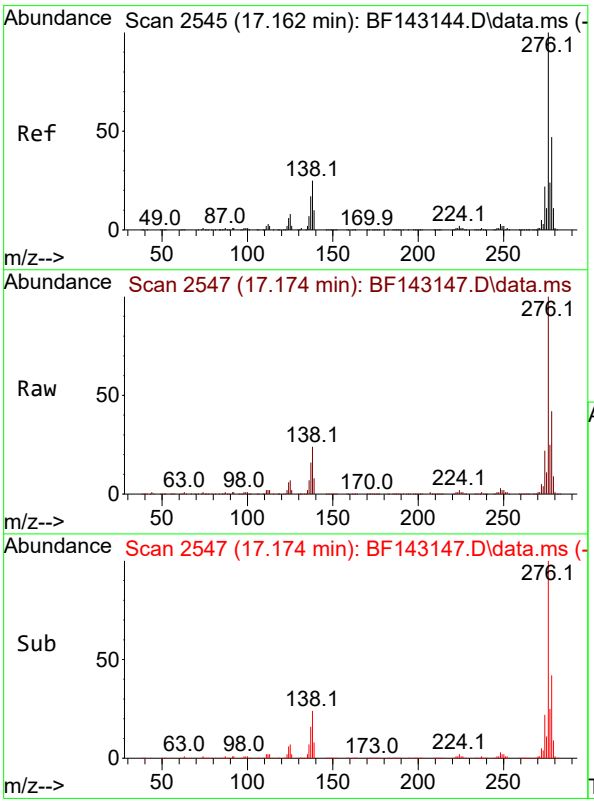
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.1	17.4	26.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

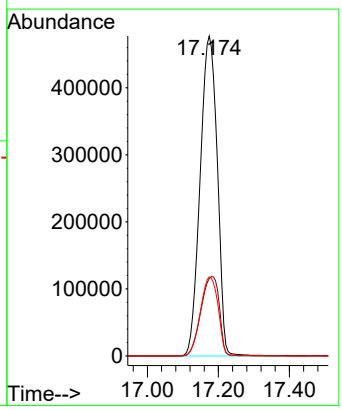


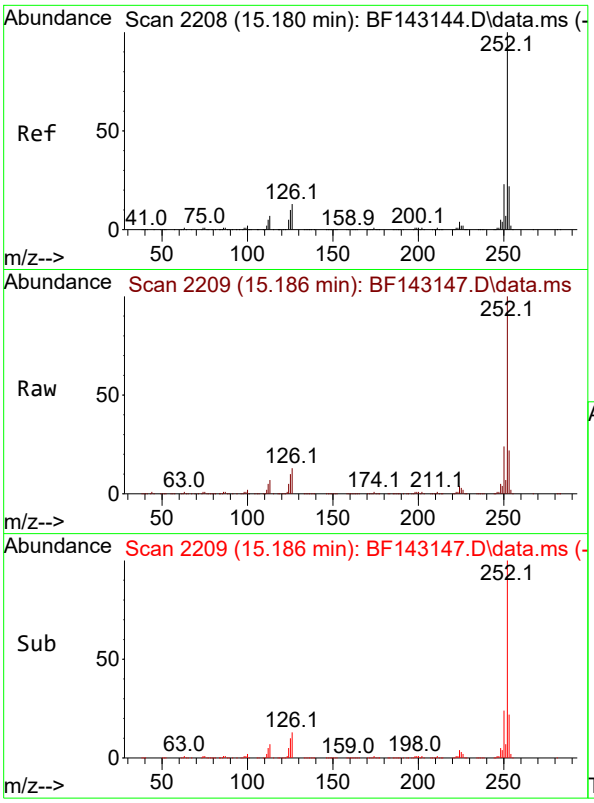


#87
Indeno(1,2,3-cd)pyrene
Concen: 76.718 ng
RT: 17.174 min Scan# 2547
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

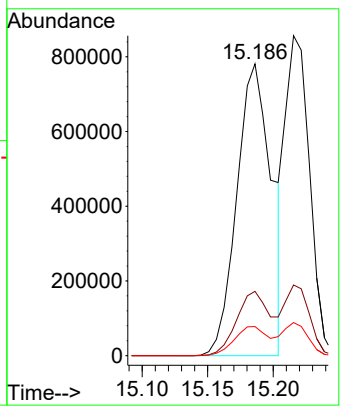
Tgt Ion:252 Resp: 1438518

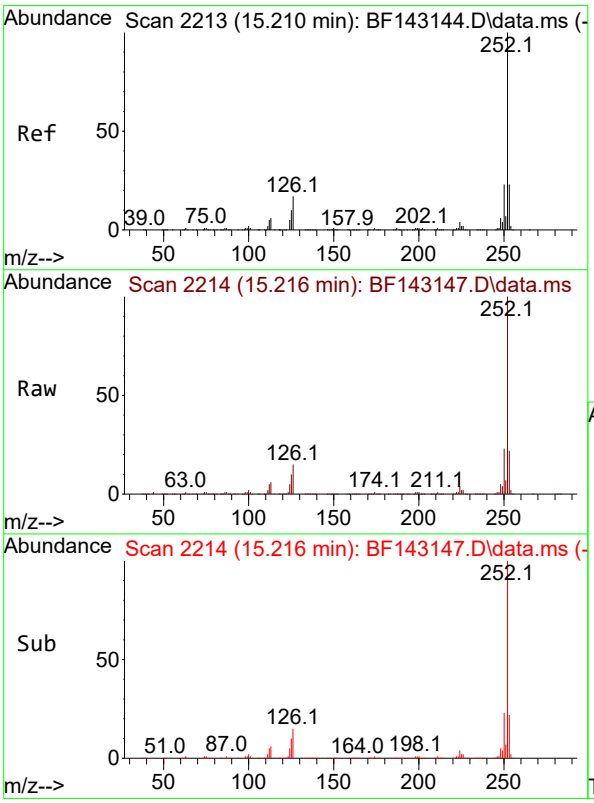
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.5	26.3
125	10.0	8.0	12.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

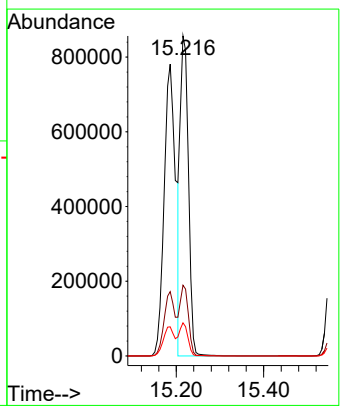


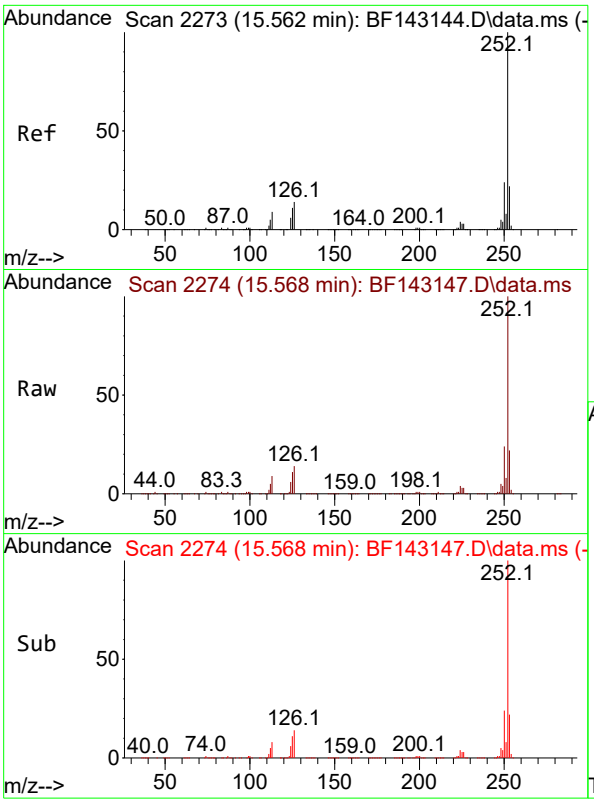


#89
Benzo(k)fluoranthene
Concen: 68.737 ng
RT: 15.216 min Scan# 2214
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

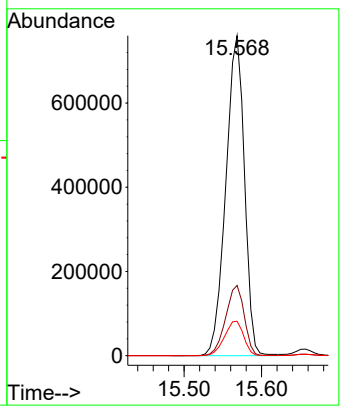
Tgt Ion:252 Resp: 126925

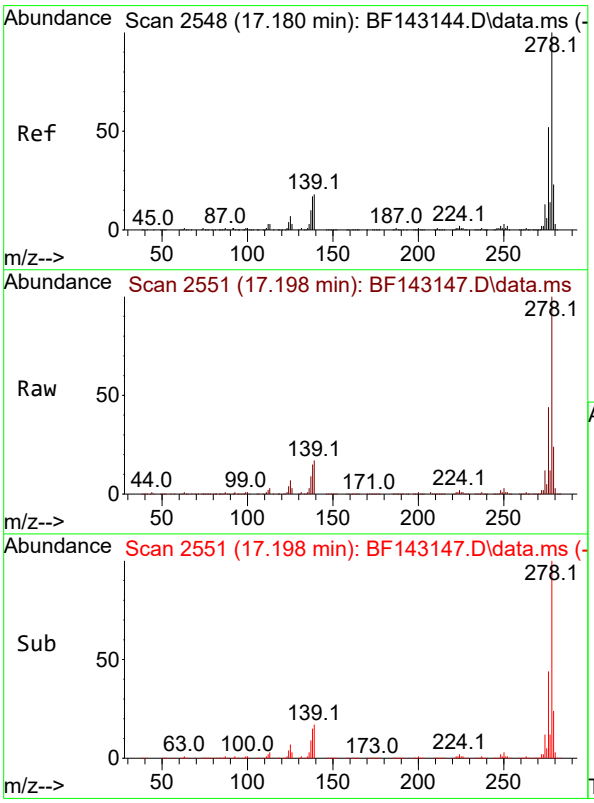
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	10.8	8.6	13.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

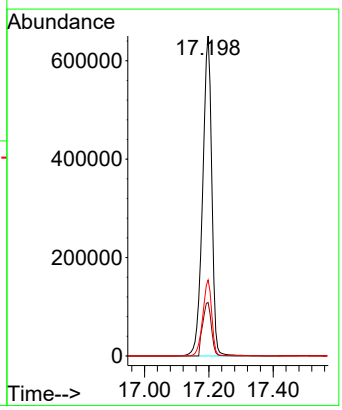


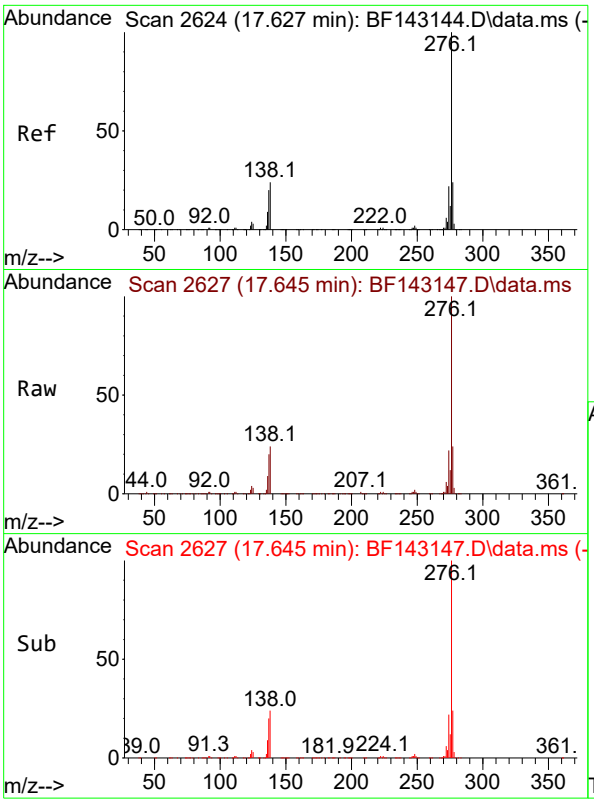


#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 2551
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

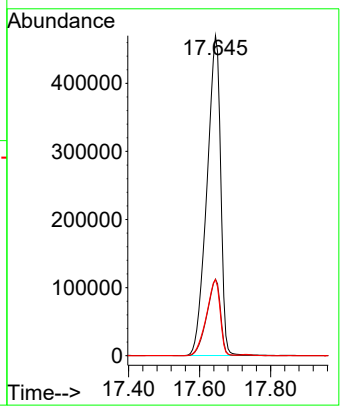




#92
Benzo(g,h,i)perylene
Concen: 76.846 ng
RT: 17.645 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

Quantitation Report (QT Reviewed)

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 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

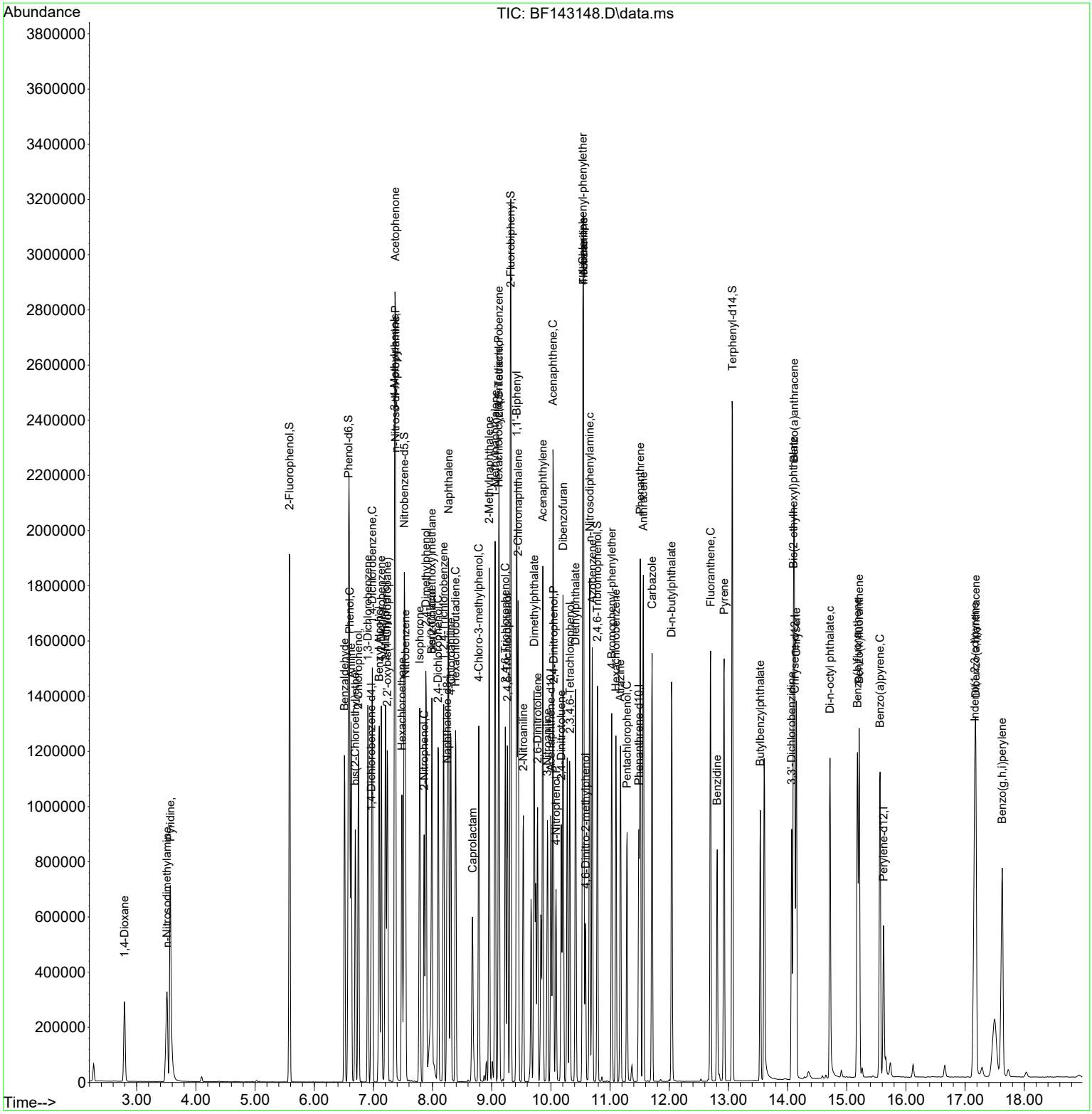
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143148.D
Acq On : 17 Jul 2025 15:06
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

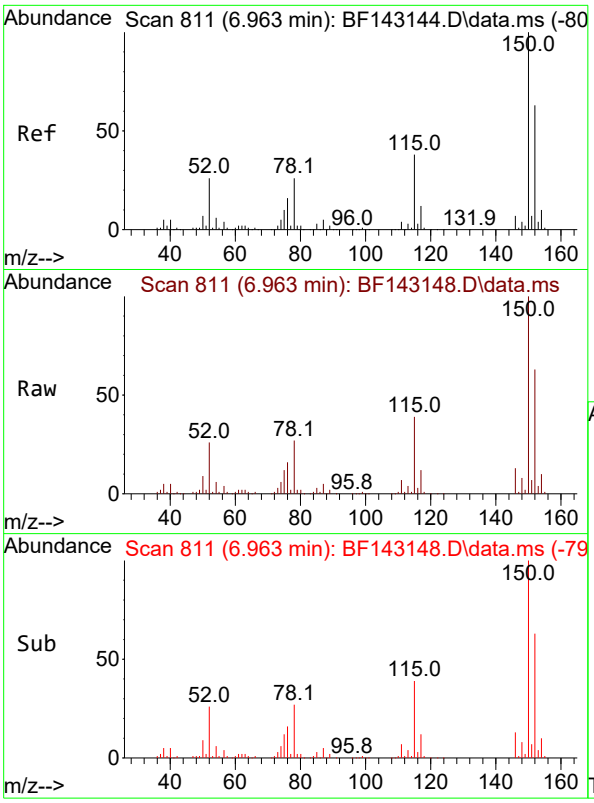
Quant Time: Jul 17 16:24:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

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

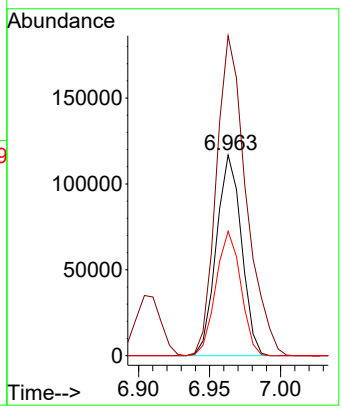
Tgt Ion:152 Resp: 14386

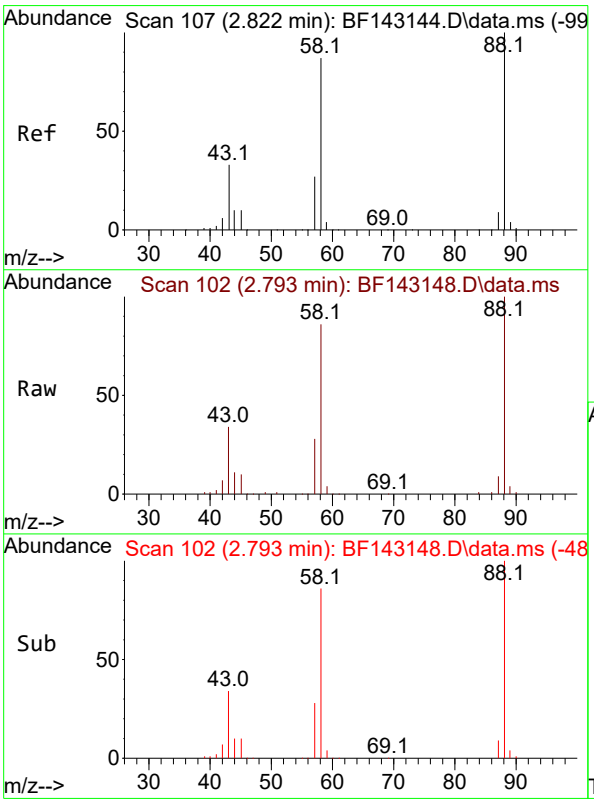
Ion	Ratio	Lower	Upper
152	100		
150	159.5	128.2	192.4
115	62.0	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

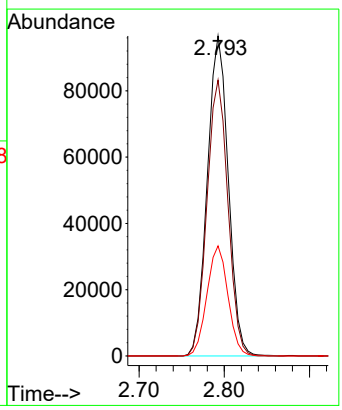


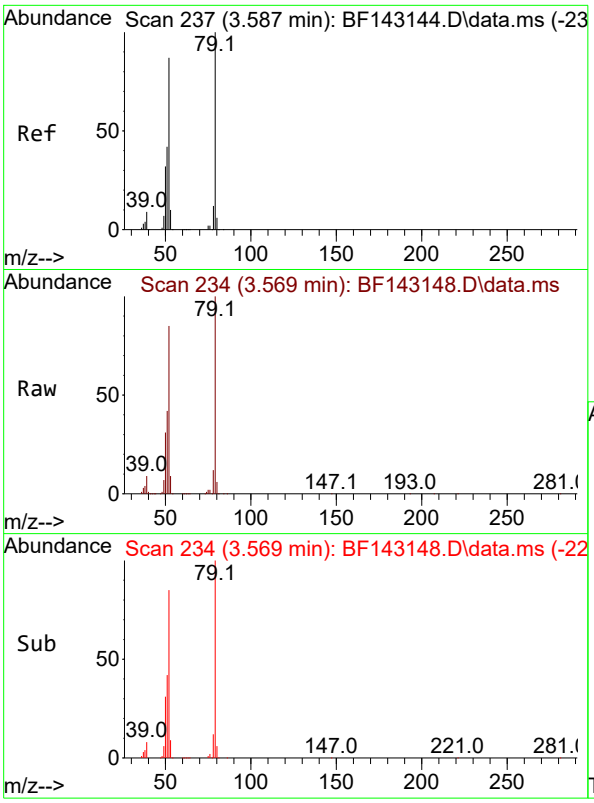


#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

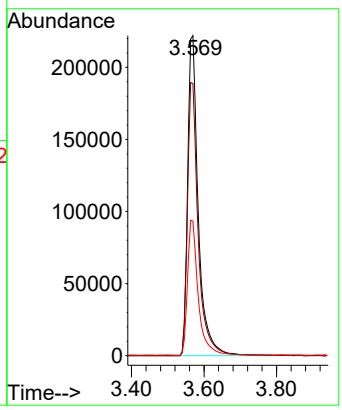
Tgt Ion: 79 Resp: 45336

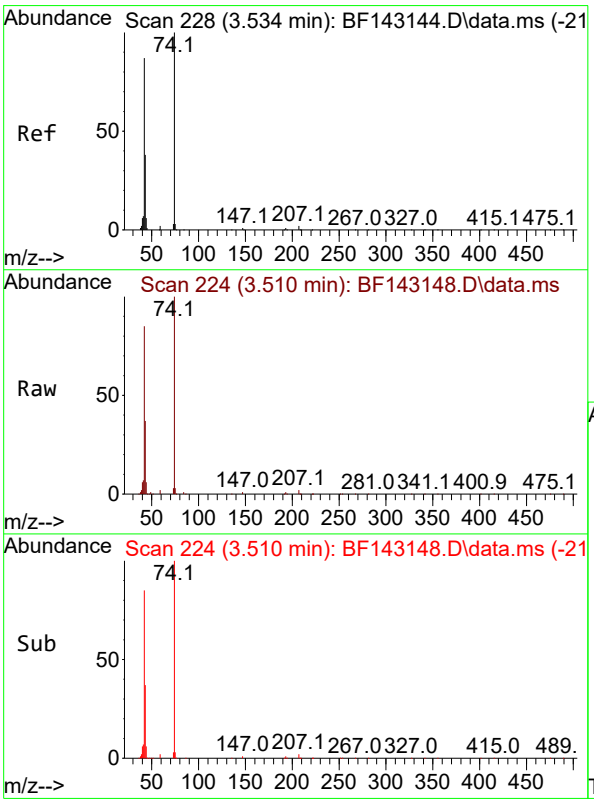
Ion	Ratio	Lower	Upper
79	100		
52	85.0	69.4	104.2
51	42.0	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

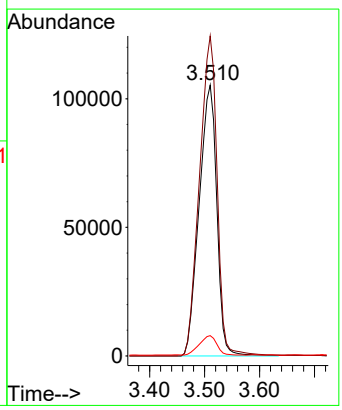


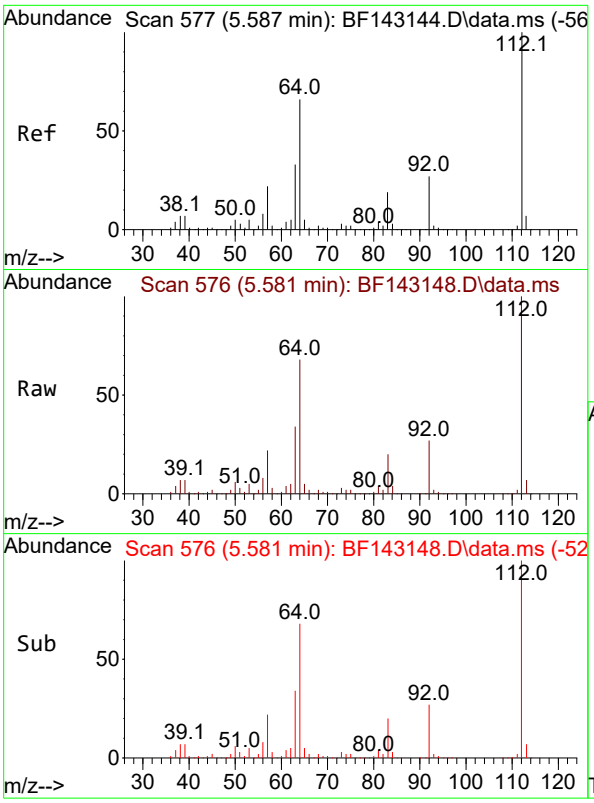


#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.024 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

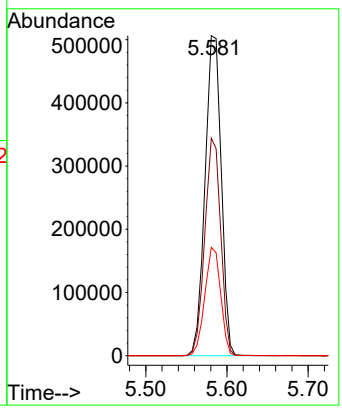
Tgt Ion:112 Resp: 70133

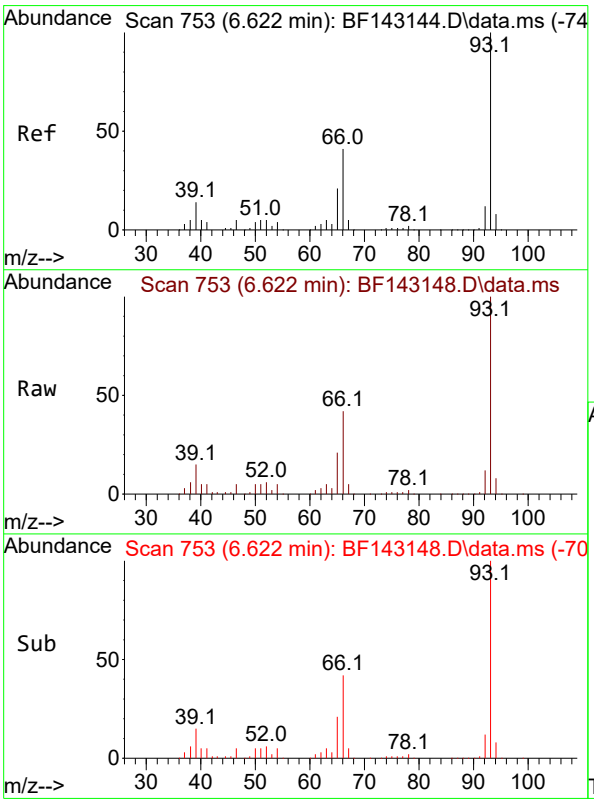
Ion	Ratio	Lower	Upper
112	100		
64	68.0	53.1	79.7
63	33.9	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

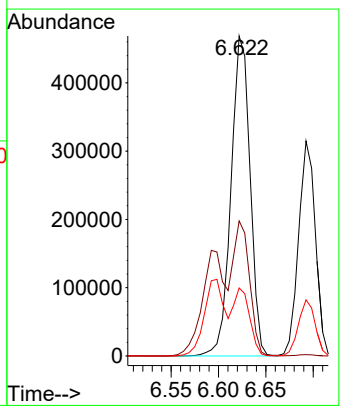


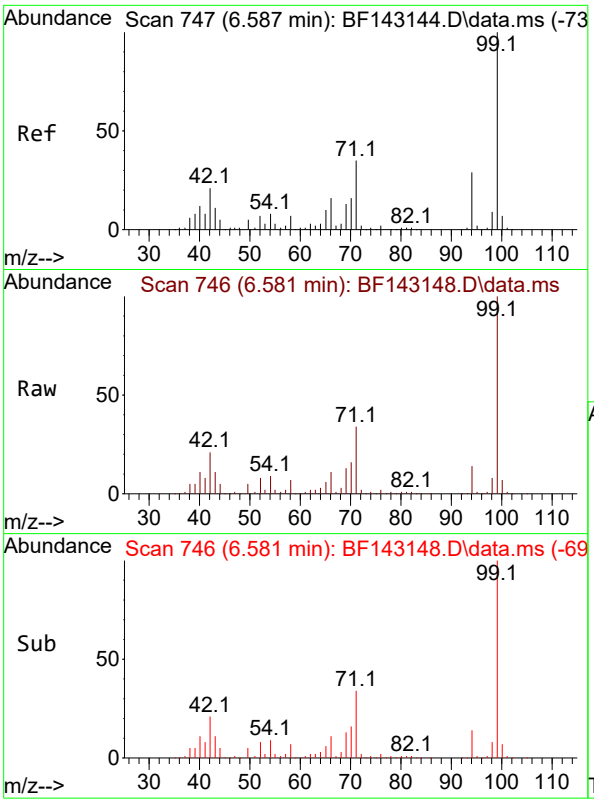


#6
Aniline
Concen: 41.078 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

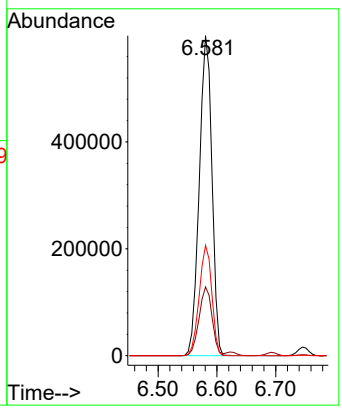
Tgt Ion: 99 Resp: 89408

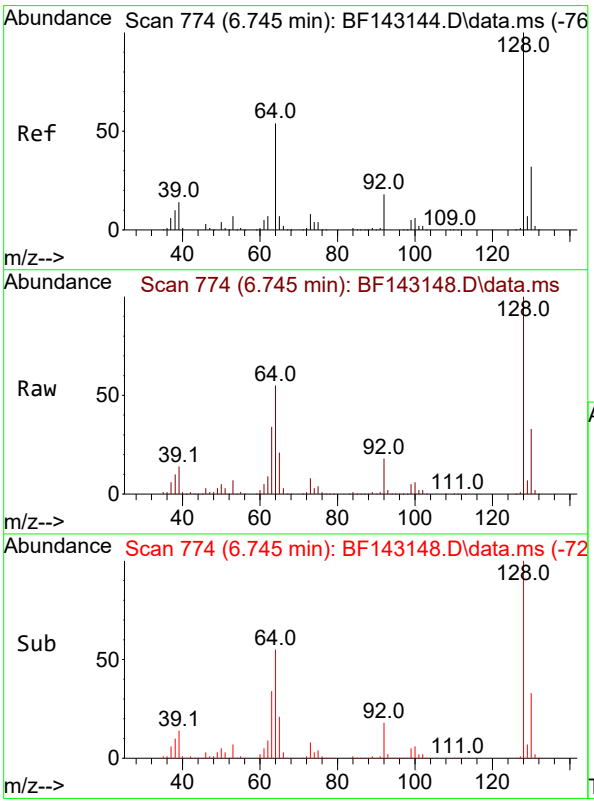
Ion	Ratio	Lower	Upper
99	100		
42	21.5	17.0	25.6
71	34.5	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

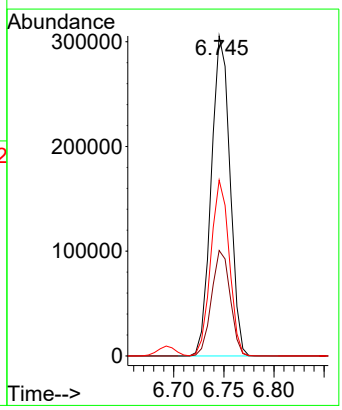


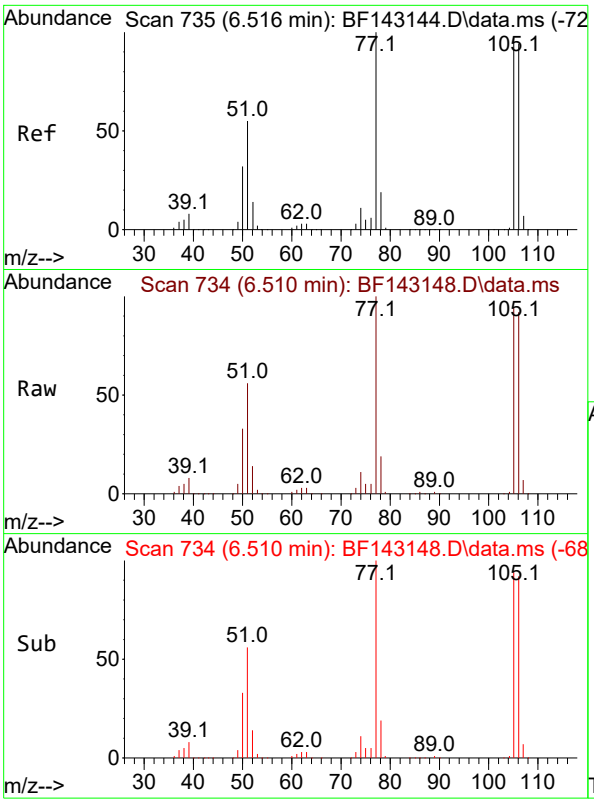


#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

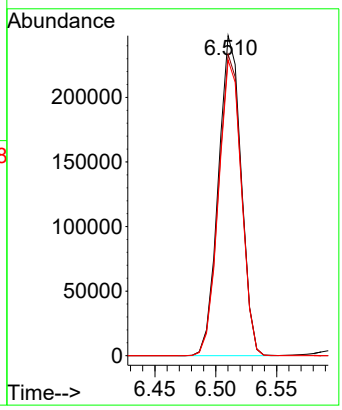
Tgt Ion: 77 Resp: 32126

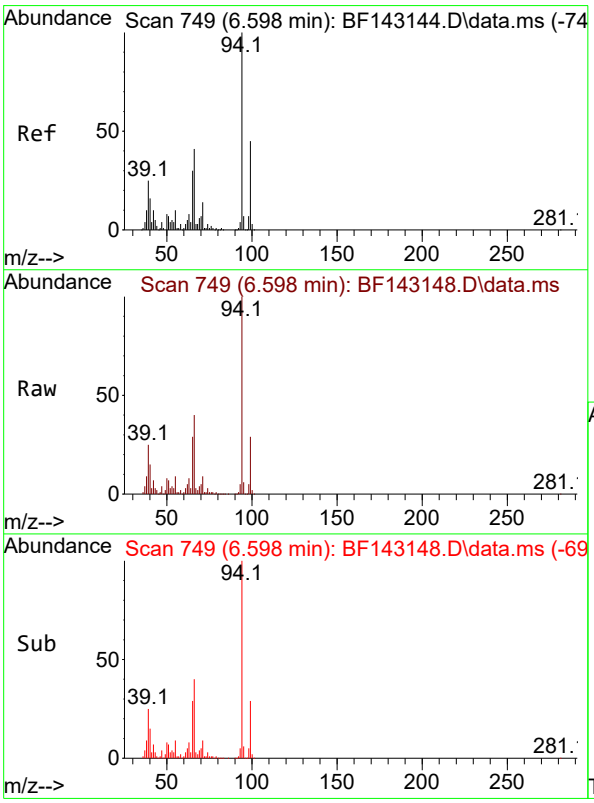
Ion	Ratio	Lower	Upper
77	100		
105	94.2	76.8	116.8
106	92.4	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

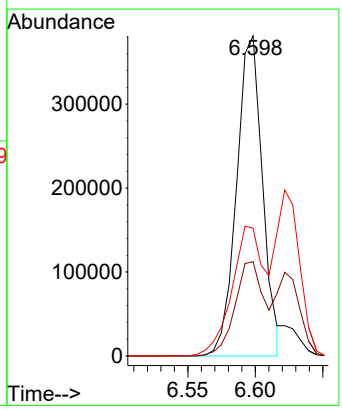


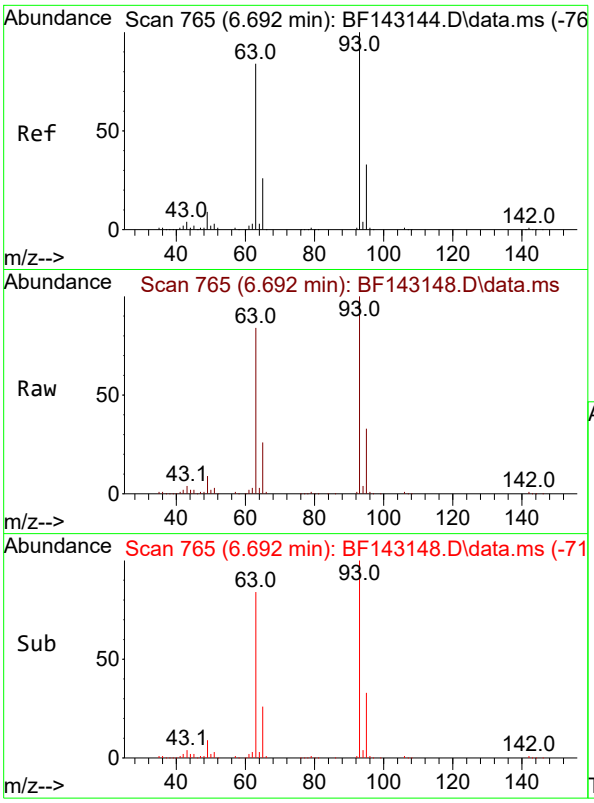


#10
Phenol
Concen: 40.827 ng m
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

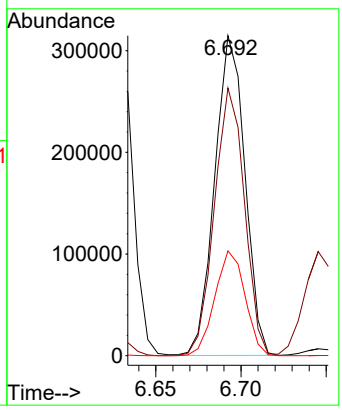
Tgt Ion: 93 Resp: 38779

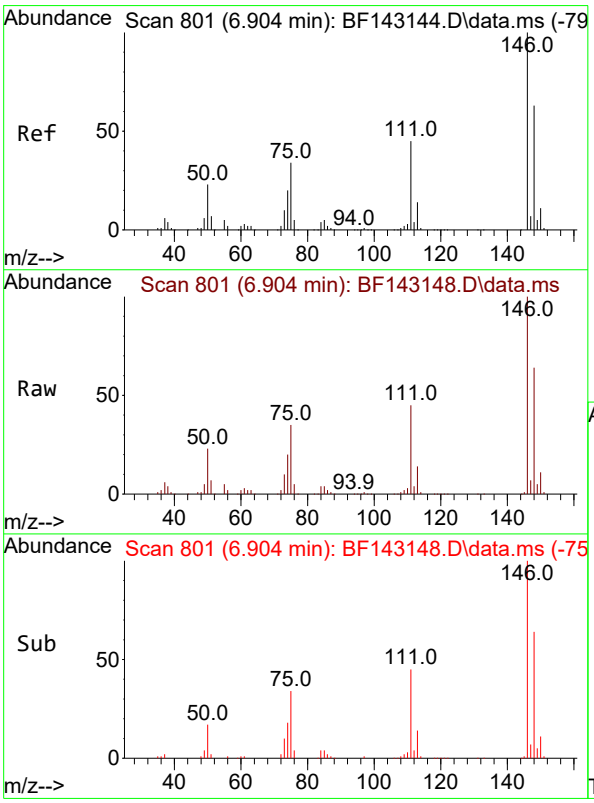
Ion	Ratio	Lower	Upper
93	100		
63	83.7	63.4	103.4
95	32.7	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

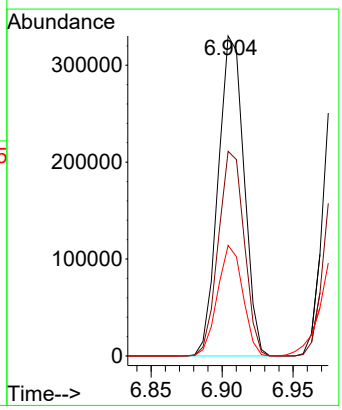


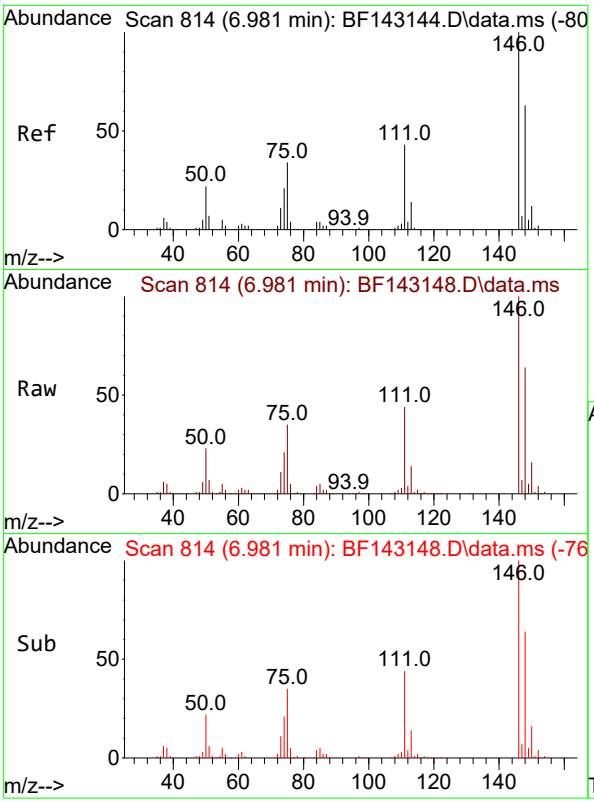


#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

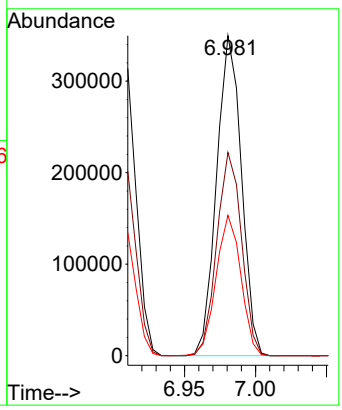
Tgt Ion:146 Resp: 42462

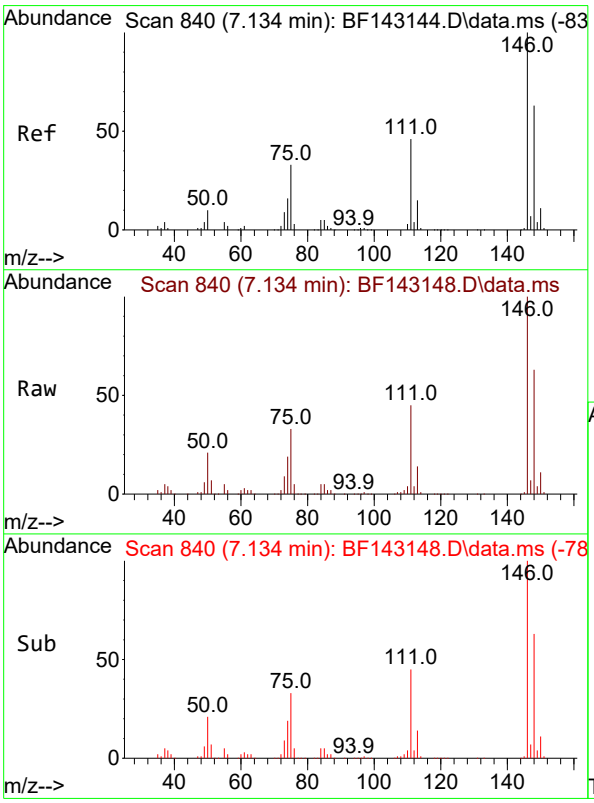
Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	43.8	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

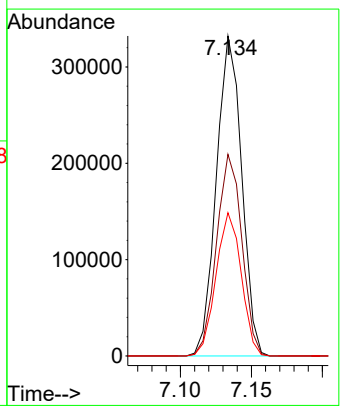


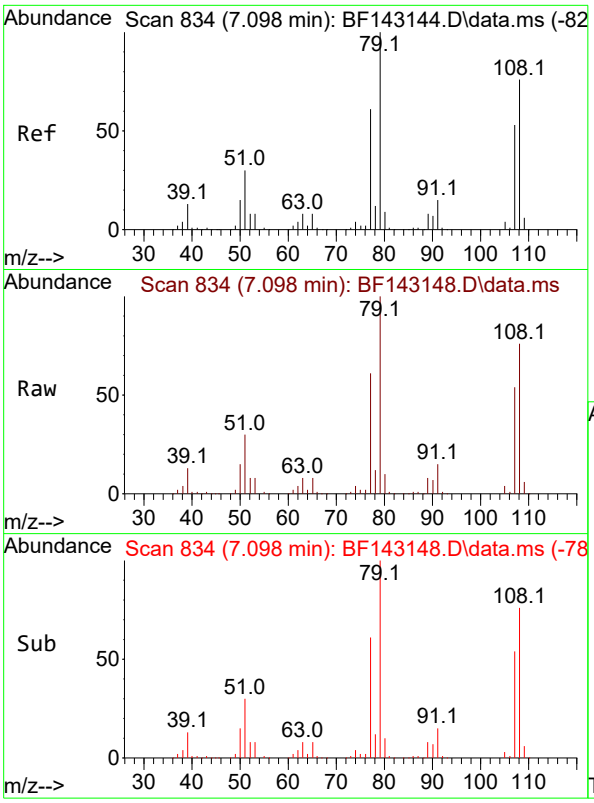


#14
1,2-Dichlorobenzene
Concen: 41.506 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

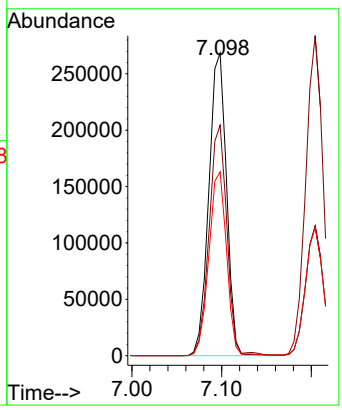
Tgt Ion: 79 Resp: 36660

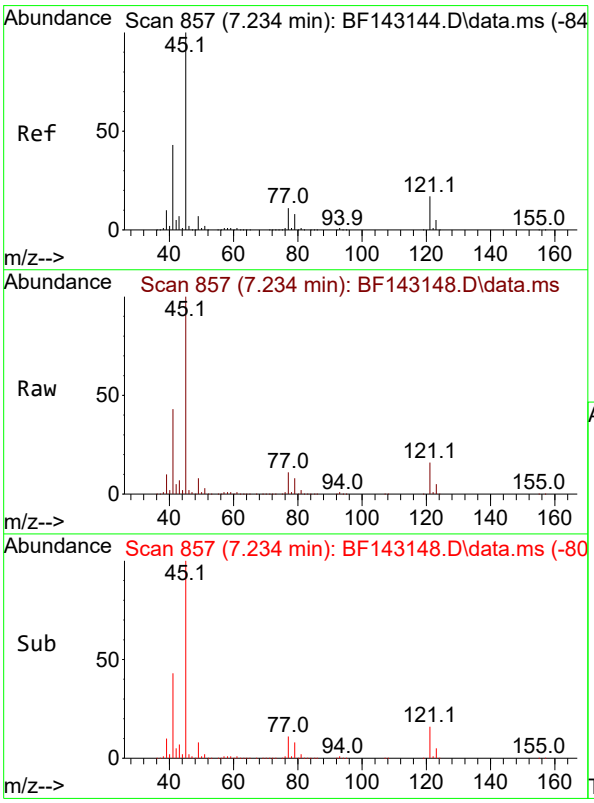
Ion	Ratio	Lower	Upper
79	100		
108	76.2	61.1	91.7
77	60.8	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

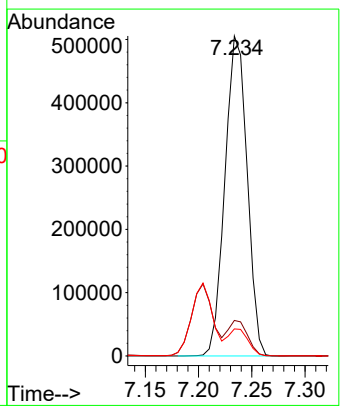


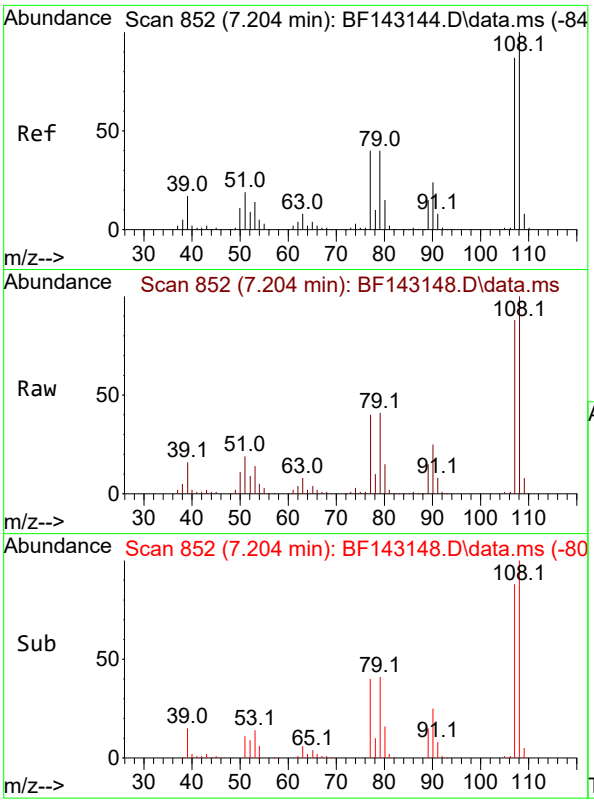


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.357 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

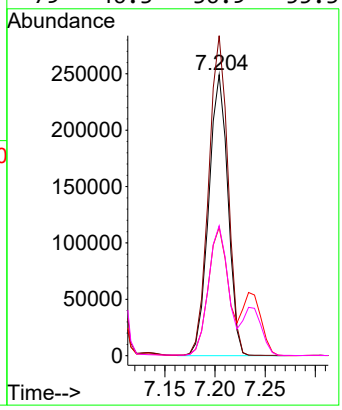




#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:107 Resp: 331709

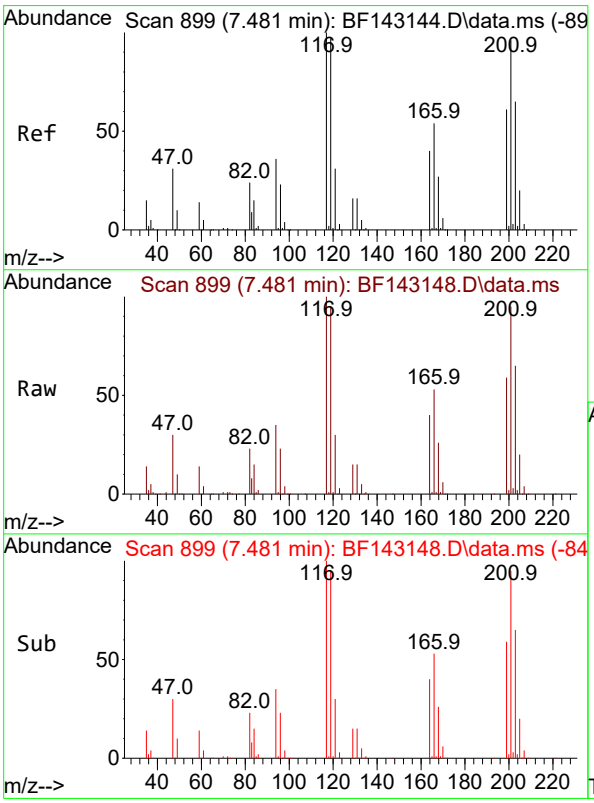
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.8	137.6
77	45.7	37.0	55.6
79	46.3	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

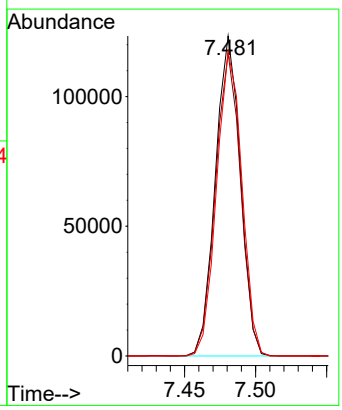
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

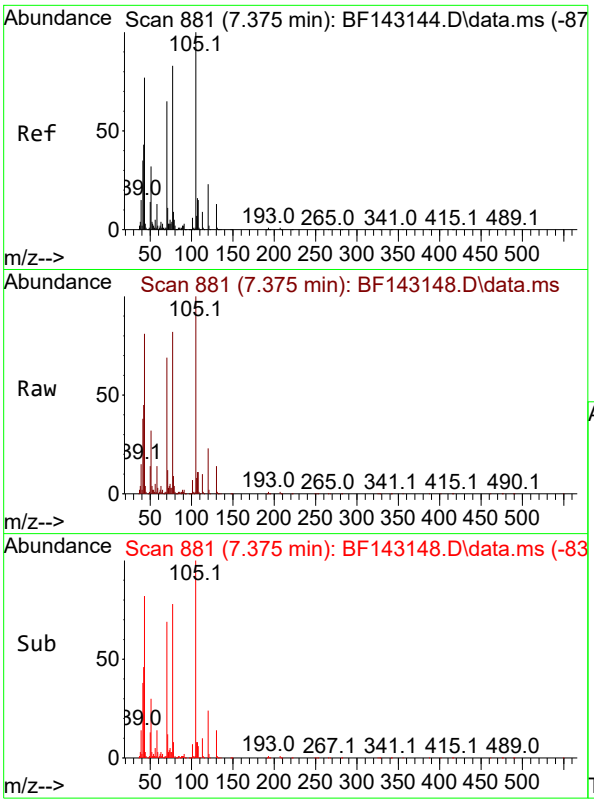


#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

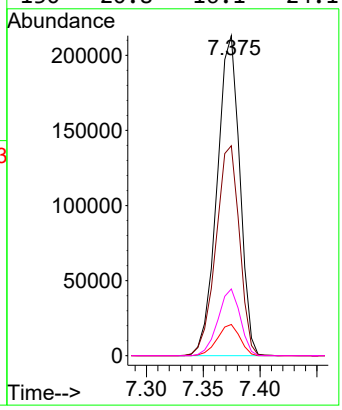




#19
n-Nitroso-di-n-propylamine
Concen: 40.342 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion: 70 Resp: 29617

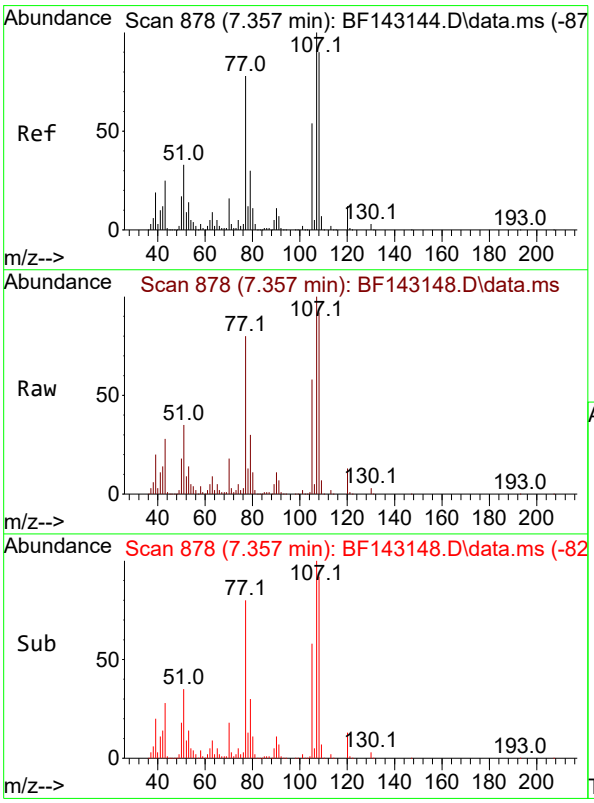
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.8	7.6	11.4
130	20.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

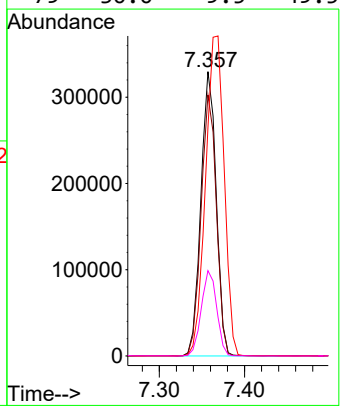
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

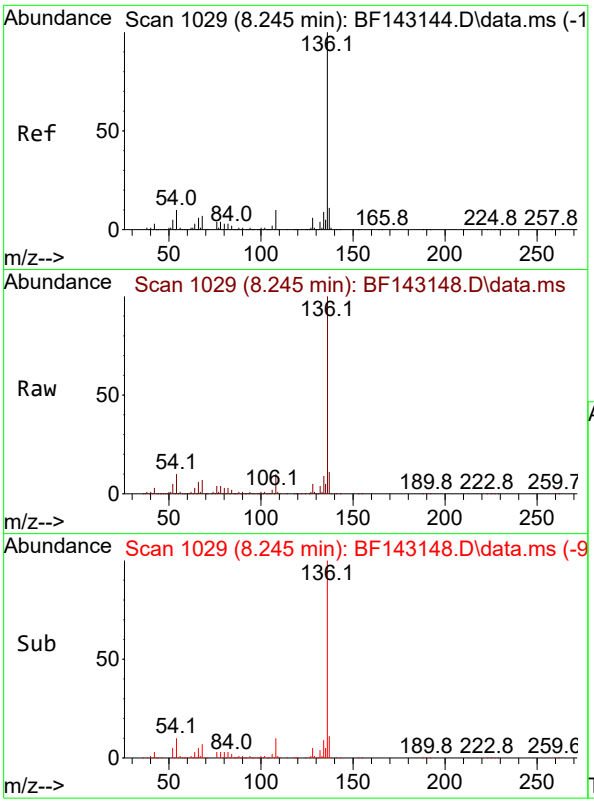


#20
3+4-Methylphenols
Concen: 42.387 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

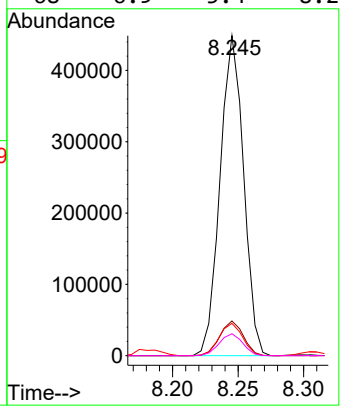




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:136 Resp: 55967

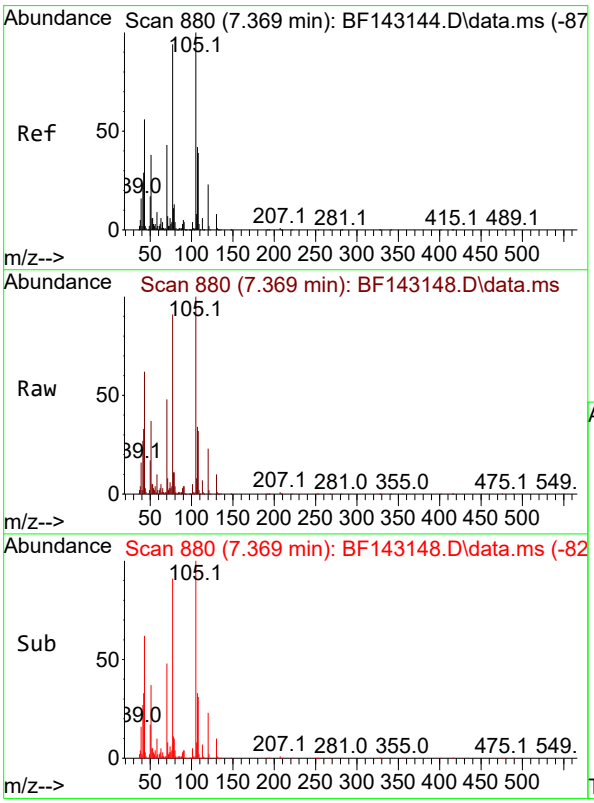
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	6.9	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

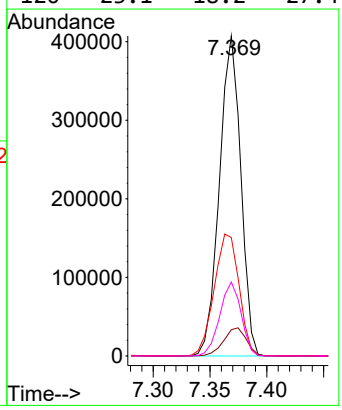
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

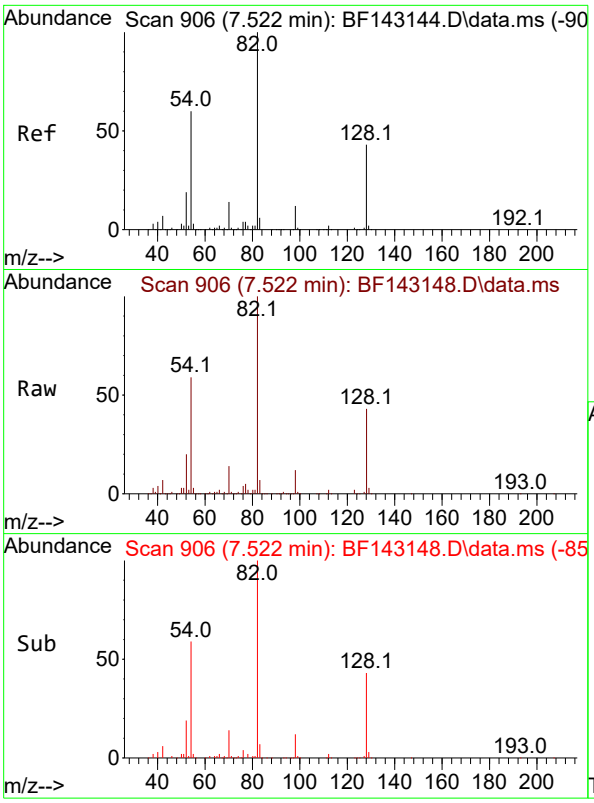


#22
Acetophenone
Concen: 40.260 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

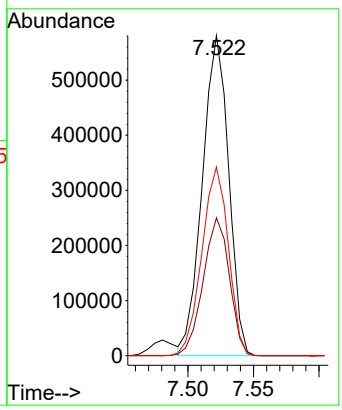
Tgt Ion: 82 Resp: 81117

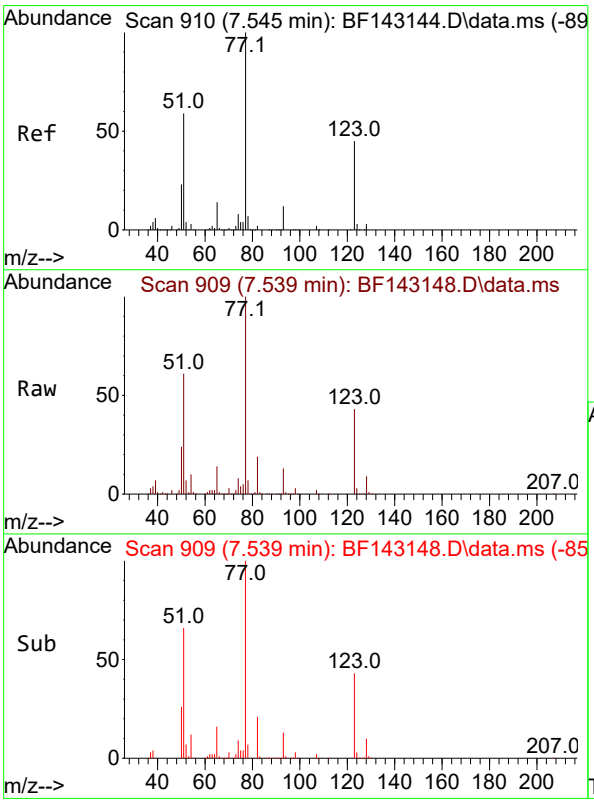
Ion	Ratio	Lower	Upper
82	100		
128	43.1	33.6	50.4
54	58.9	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

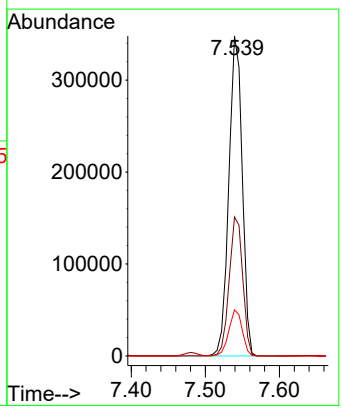


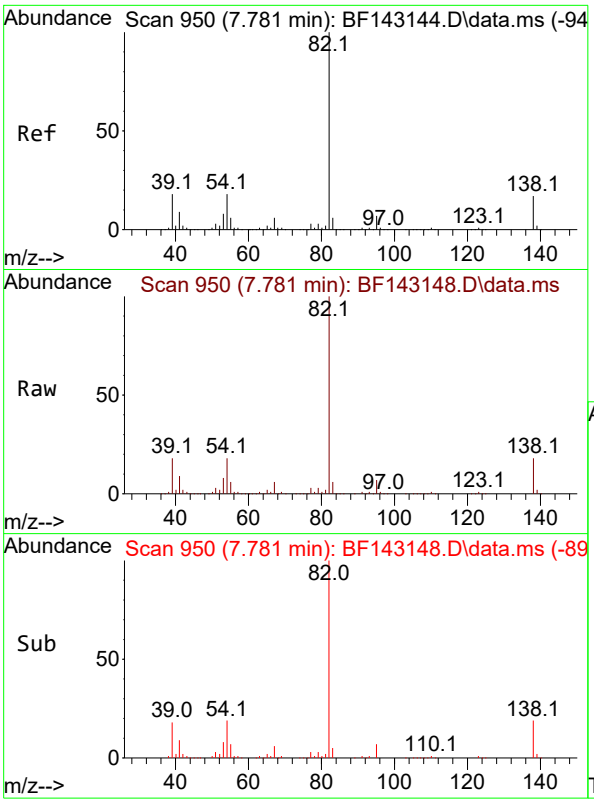


#24
Nitrobenzene
Concen: 41.731 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

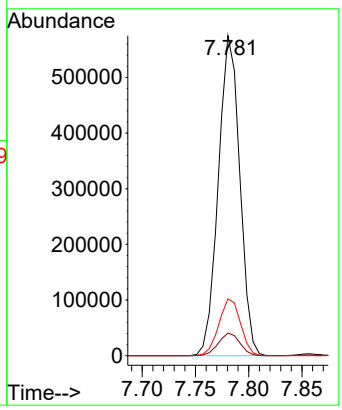
Tgt Ion: 82 Resp: 80407

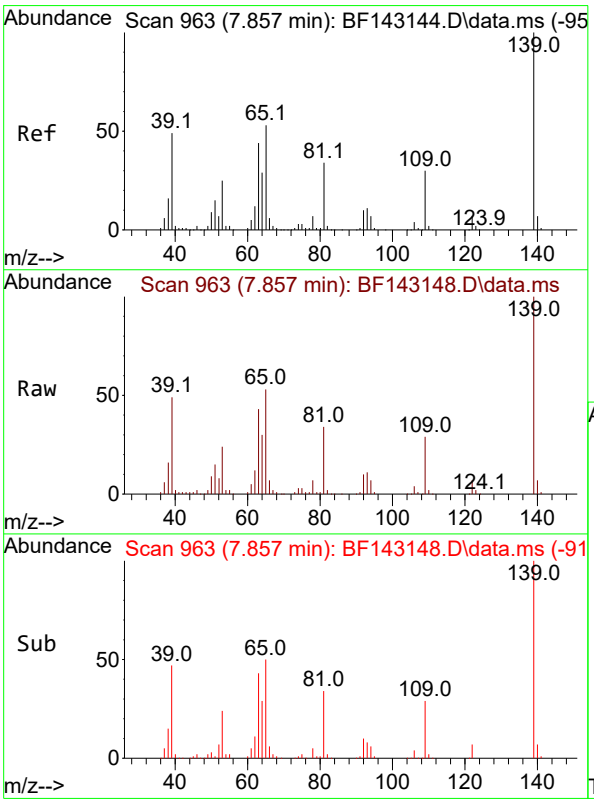
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.5	8.3
138	17.8	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

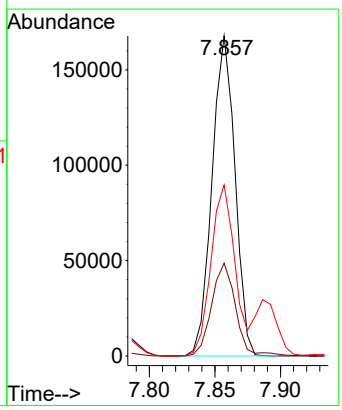


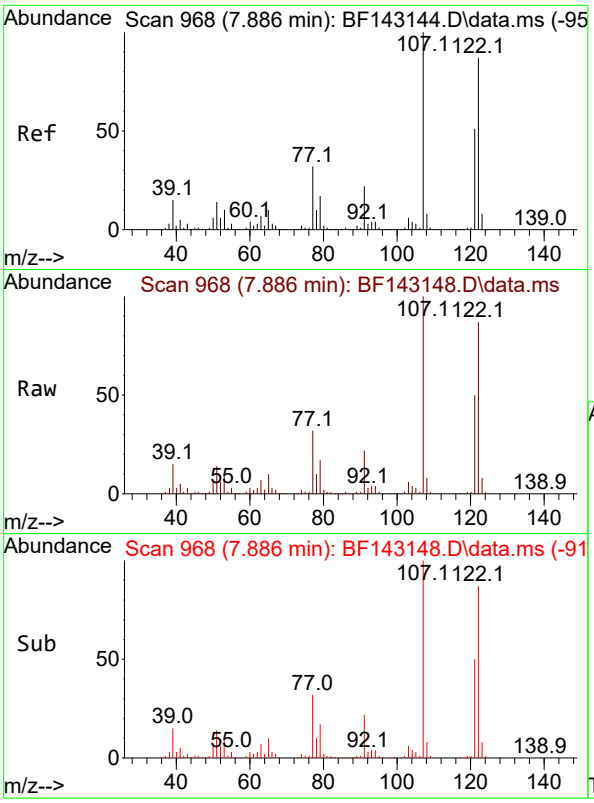


#26
2-Nitrophenol
Concen: 44.896 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

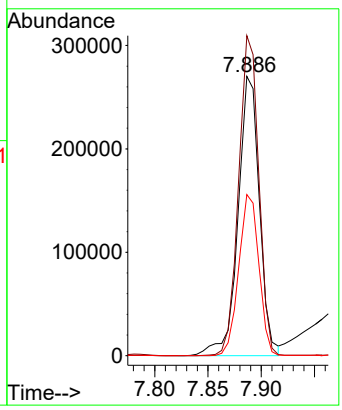
Tgt Ion:122 Resp: 37757

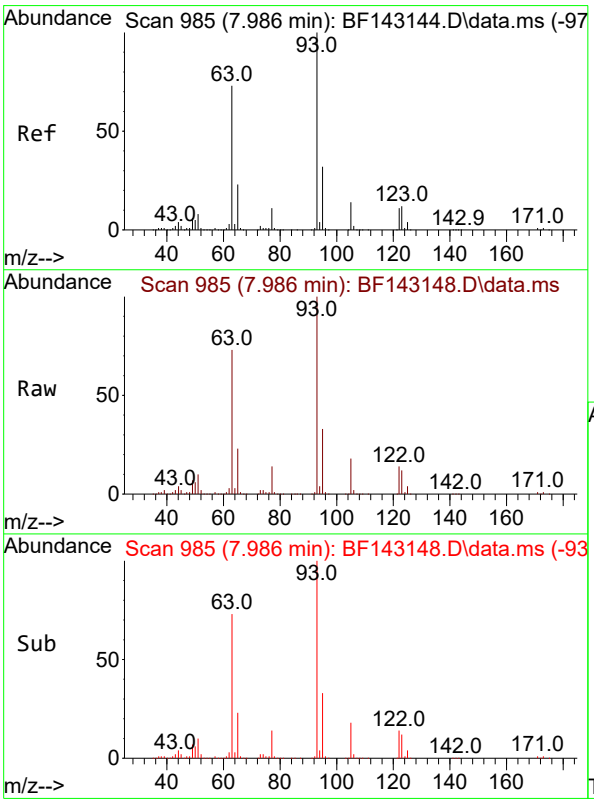
Ion	Ratio	Lower	Upper
122	100		
107	114.6	91.8	137.6
121	57.7	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

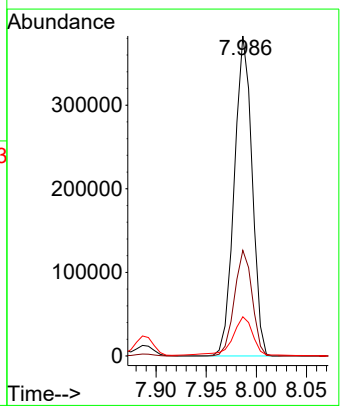


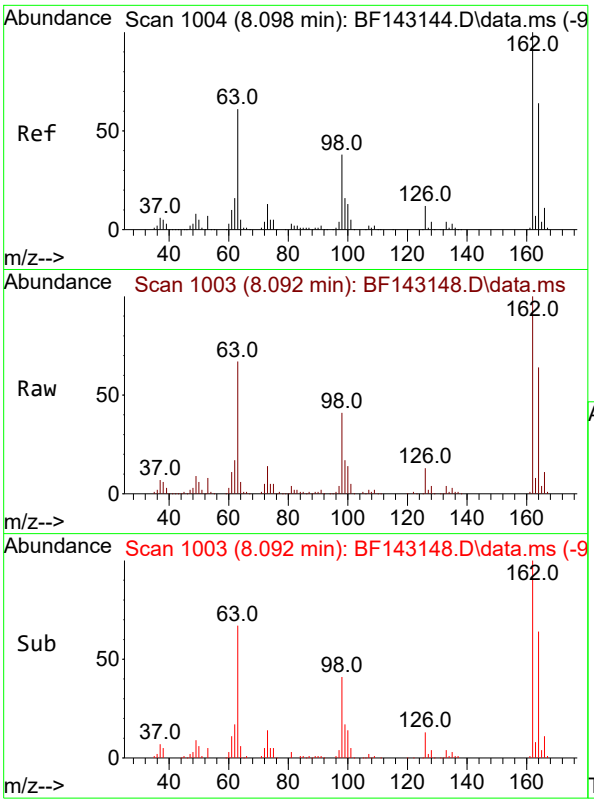


#28
bis(2-Chloroethoxy)methane
Concen: 39.939 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

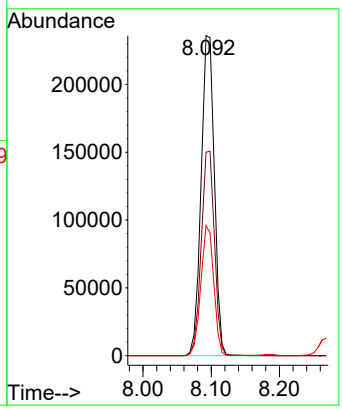
Tgt Ion:162 Resp: 31921(

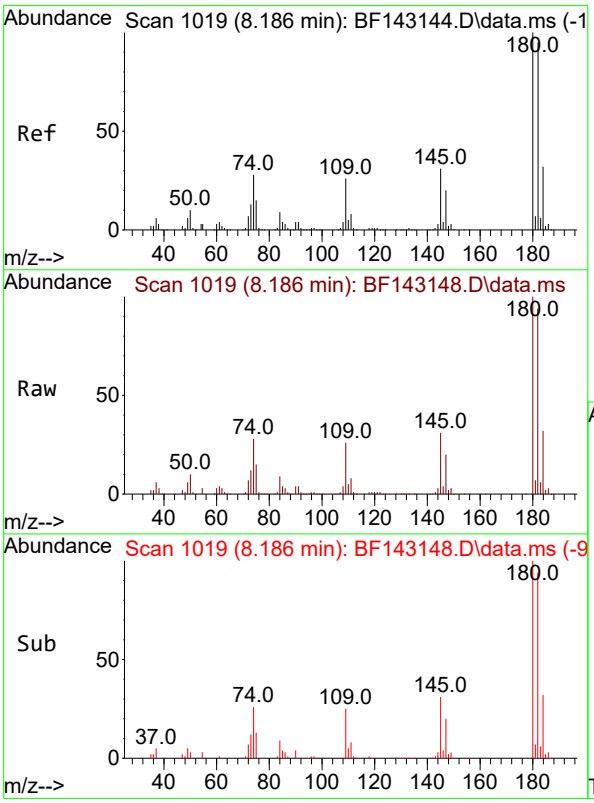
Ion	Ratio	Lower	Upper
162	100		
164	63.6	44.2	84.2
98	40.7	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

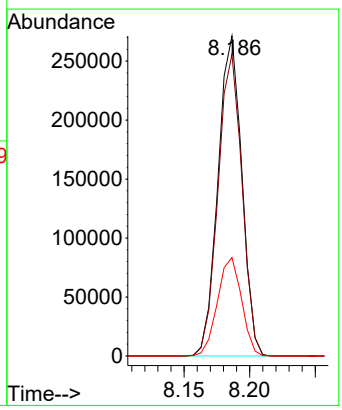


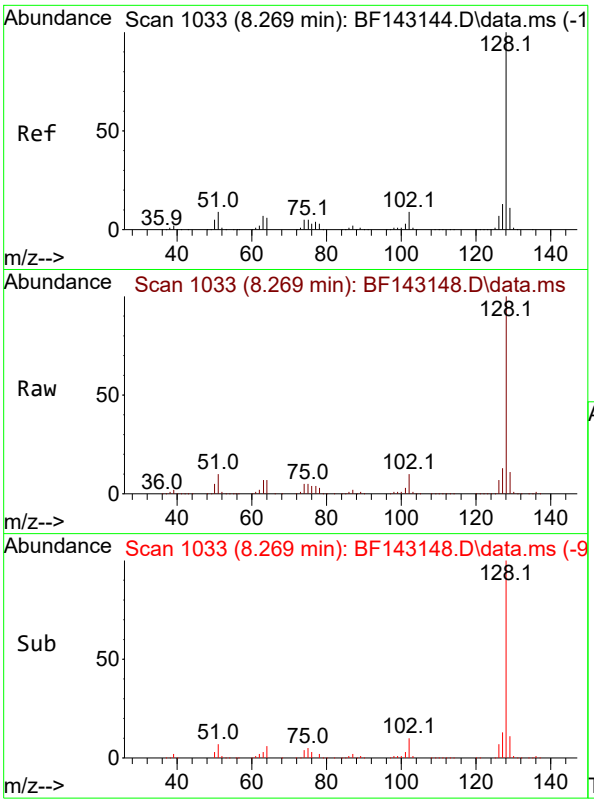


#30
1,2,4-Trichlorobenzene
Concen: 40.551 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

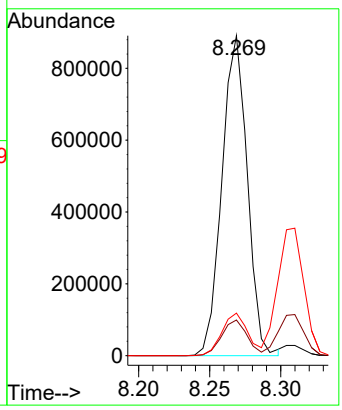
Tgt Ion:128 Resp: 110648

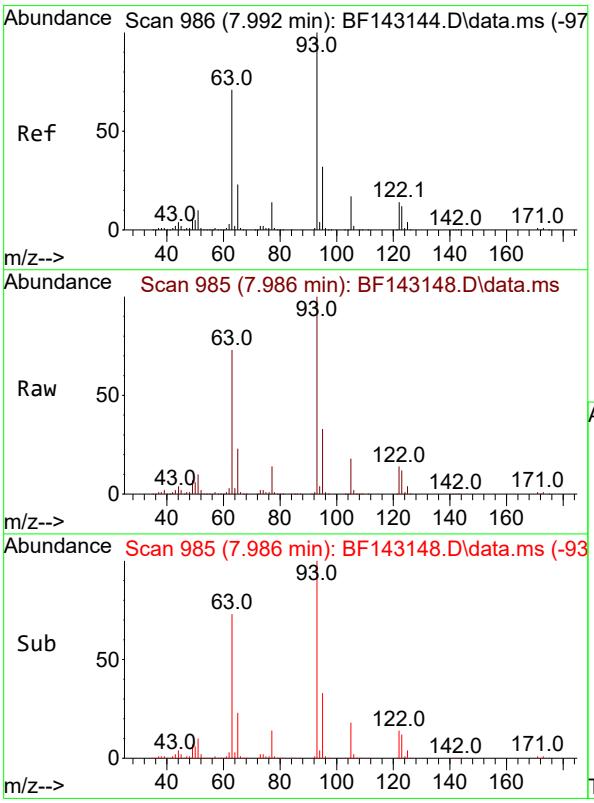
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

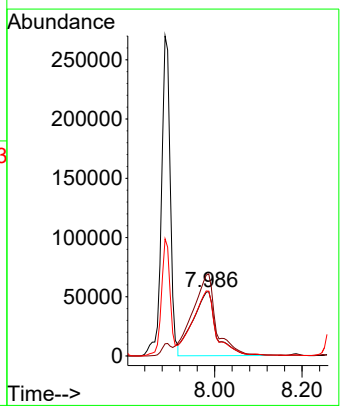


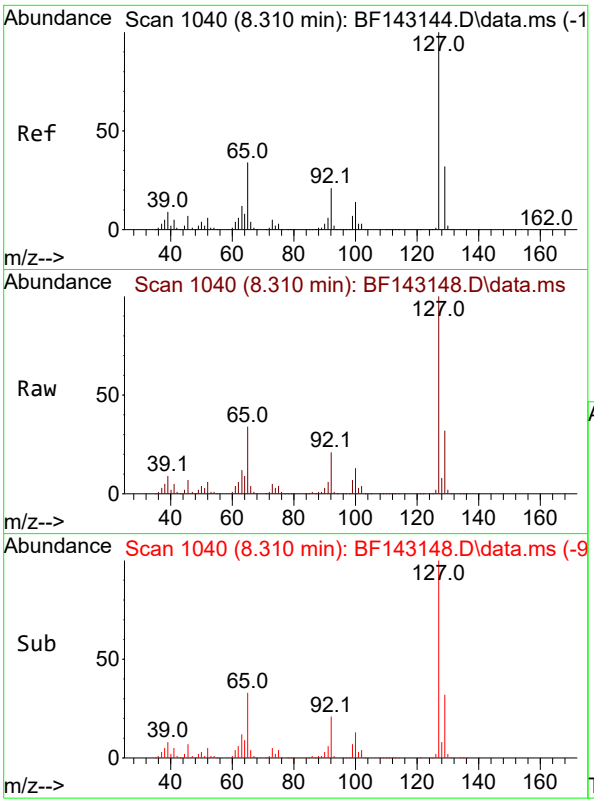


#32
Benzoic acid
Concen: 39.782 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

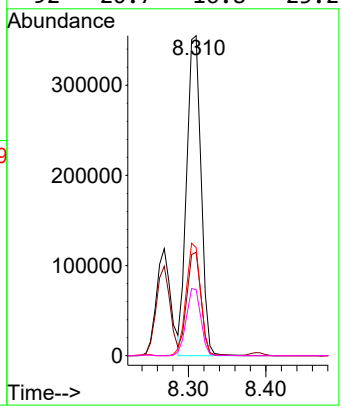
Tgt Ion:127 Resp: 45774

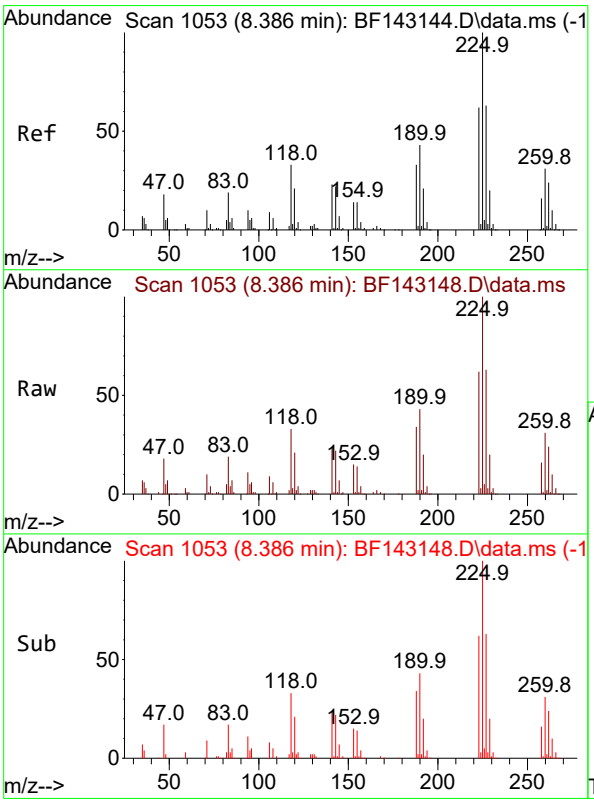
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.8	27.4	41.2
92	20.7	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

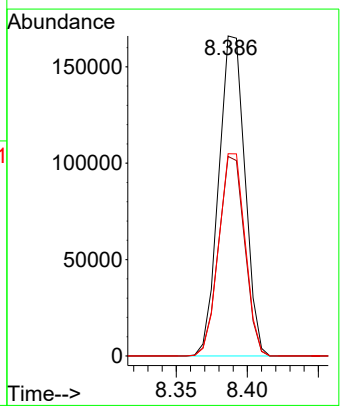


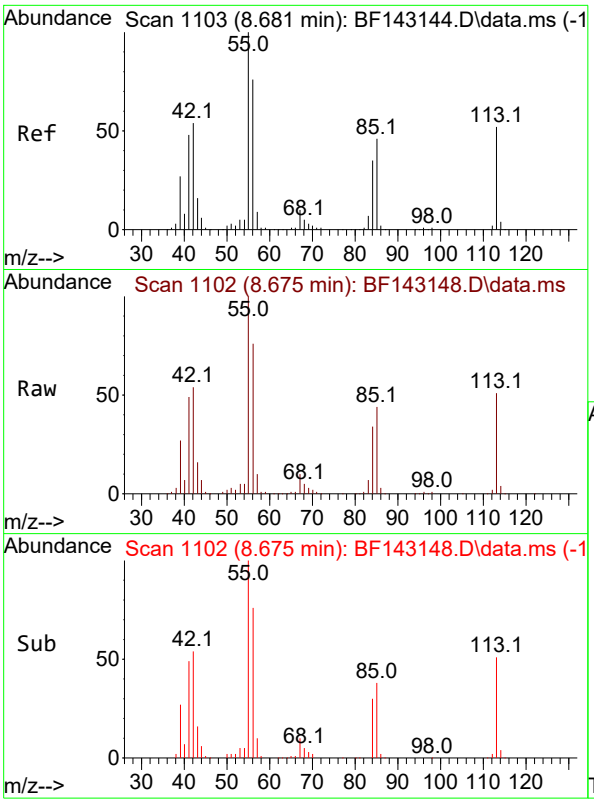


#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

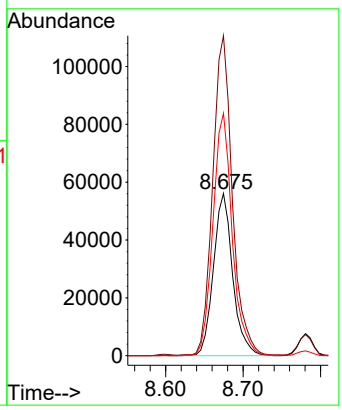
Tgt Ion:113 Resp: 9666

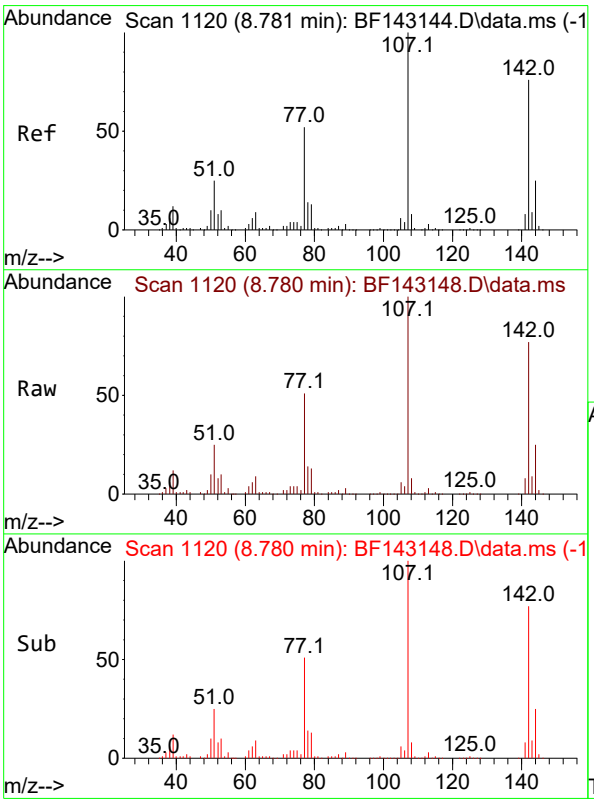
Ion	Ratio	Lower	Upper
113	100		
55	197.3	174.0	214.0
56	149.4	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

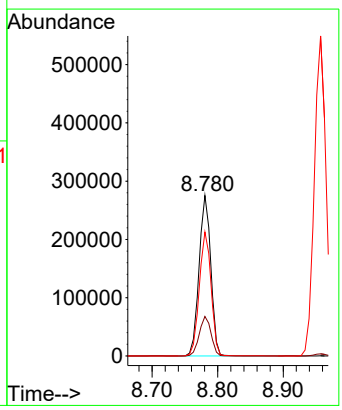


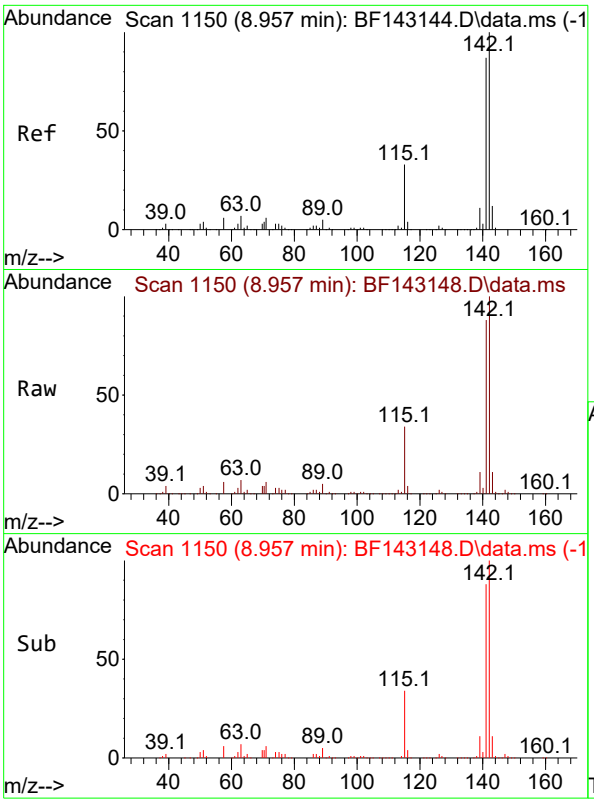


#36
4-Chloro-3-methylphenol
Concen: 40.611 ng
RT: 8.780 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

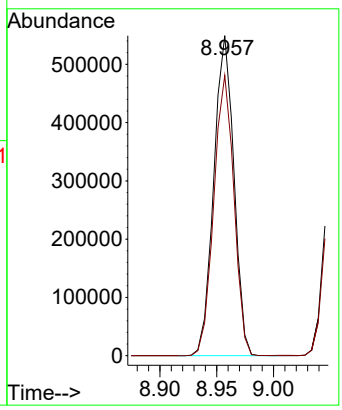
Tgt Ion:142 Resp: 67559

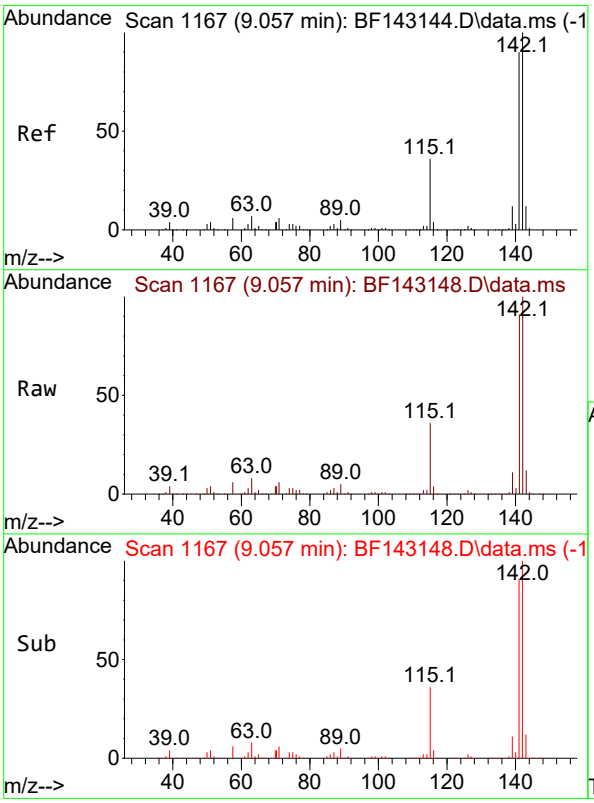
Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

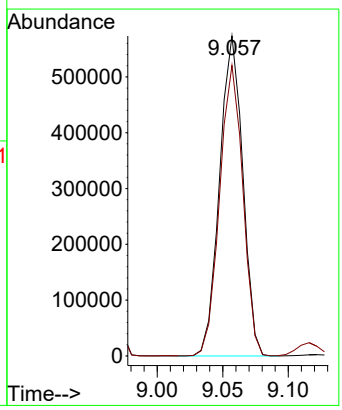


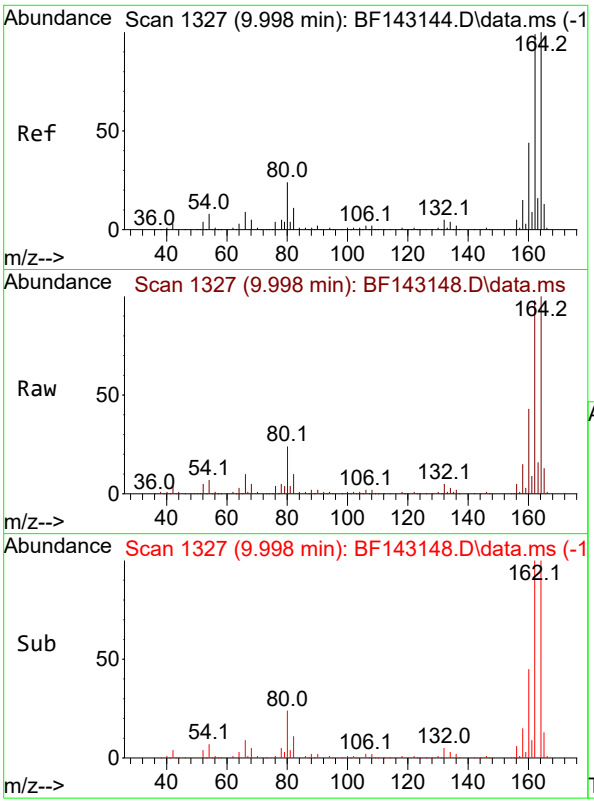


#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

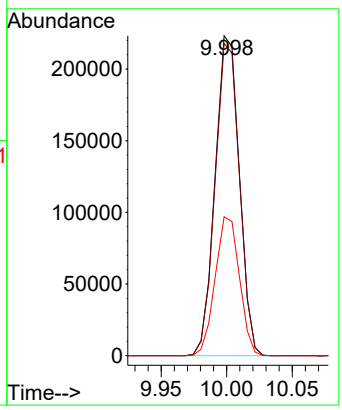
Tgt Ion:164 Resp: 28725

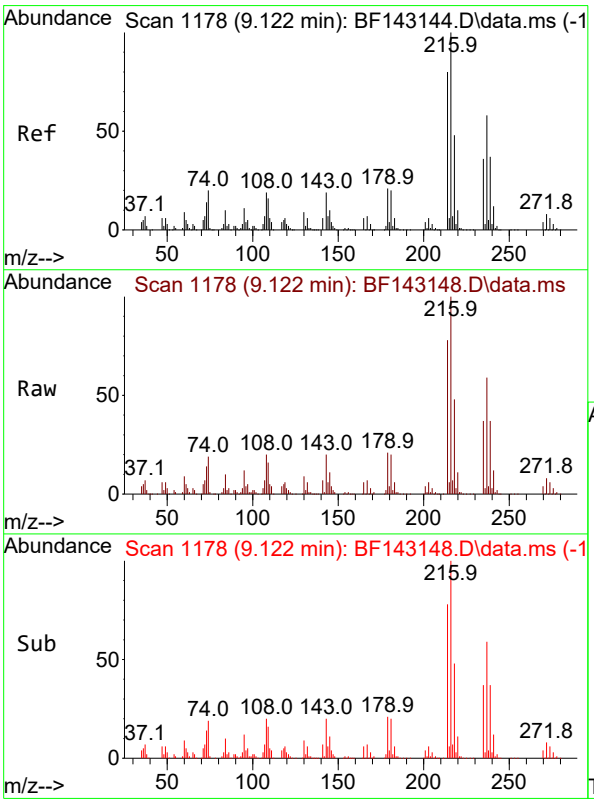
Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.0	118.6
160	43.4	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

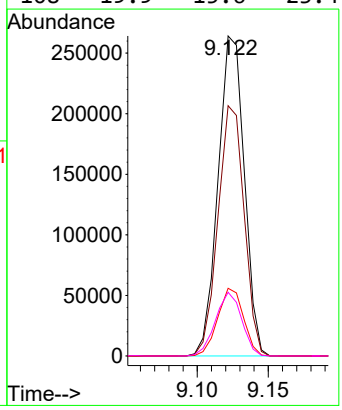


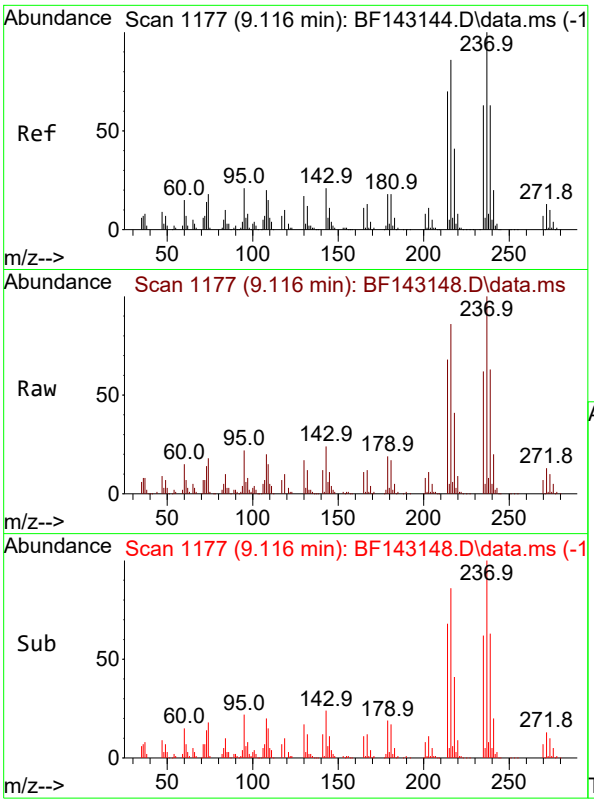


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.944 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

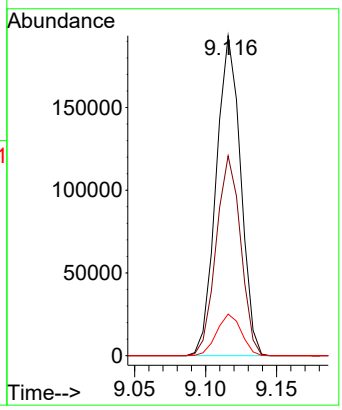
Tgt Ion:237 Resp: 231349

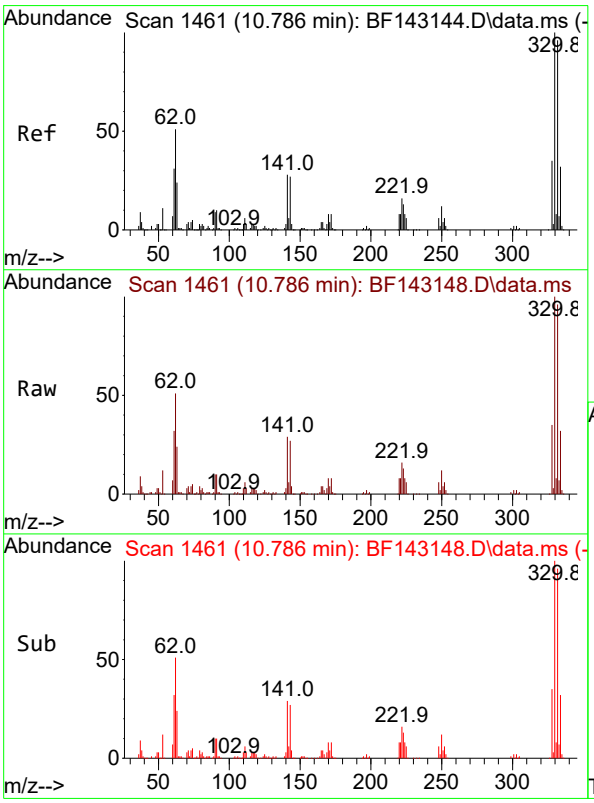
Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.0	83.0
272	13.0	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

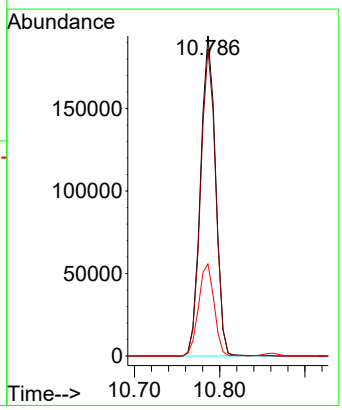


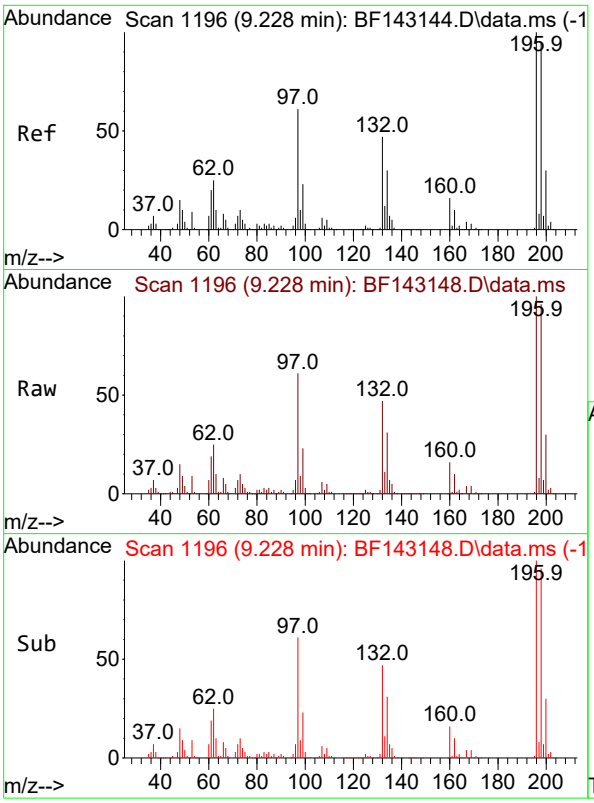


#42
2,4,6-Tribromophenol
Concen: 79.969 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

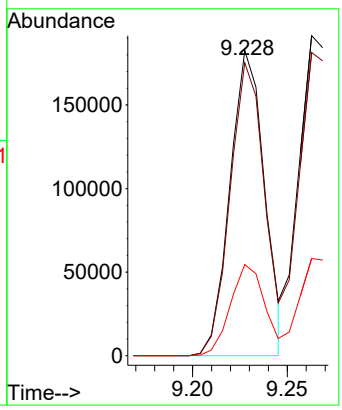
Tgt Ion:196 Resp: 23104

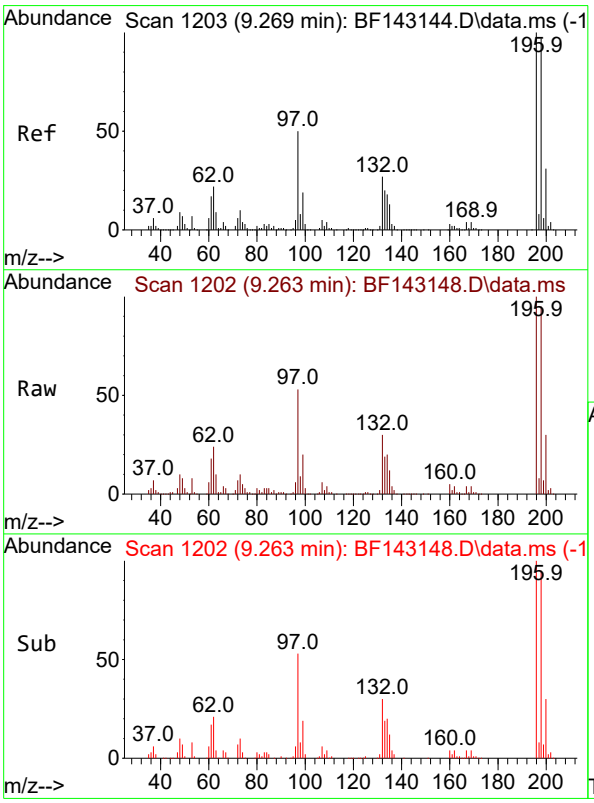
Ion	Ratio	Lower	Upper
196	100		
198	95.9	76.2	114.2
200	29.9	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

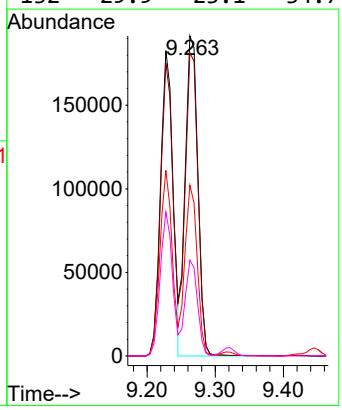


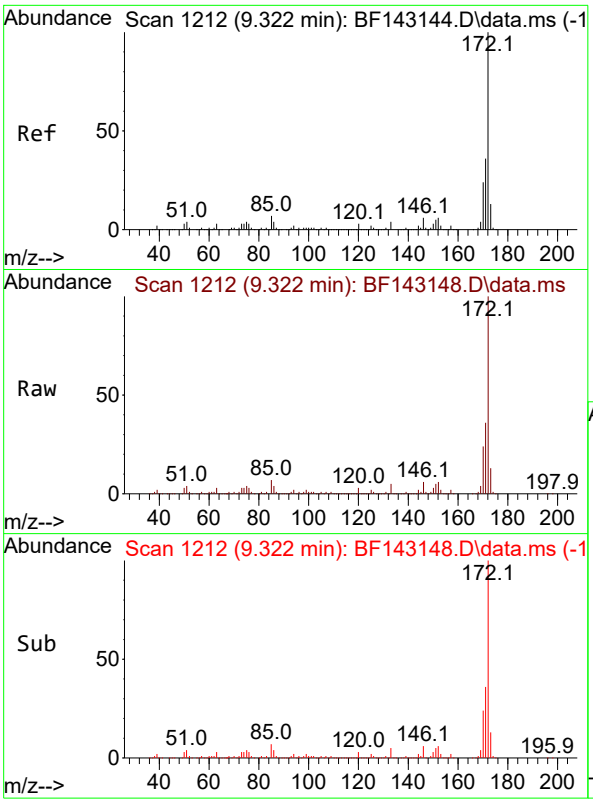


#44
2,4,5-Trichlorophenol
Concen: 42.989 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

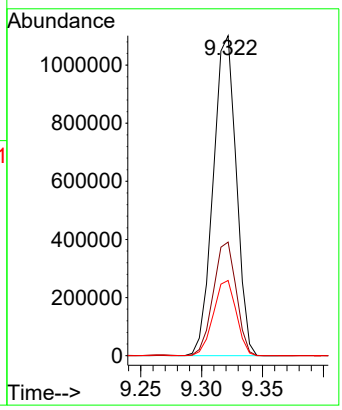
Tgt Ion:172 Resp: 1449098

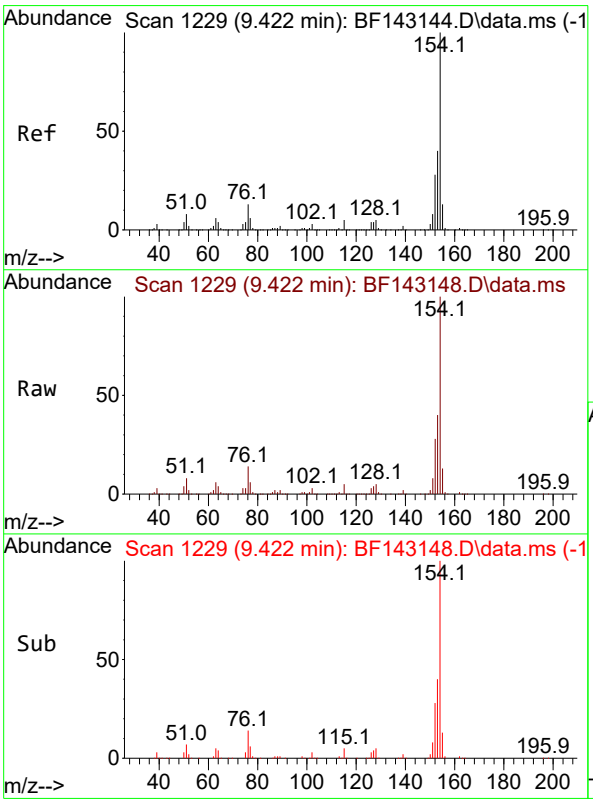
Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	42.8
170	23.5	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

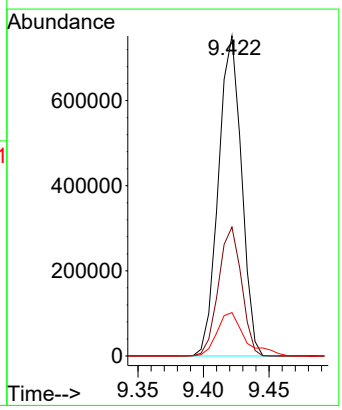


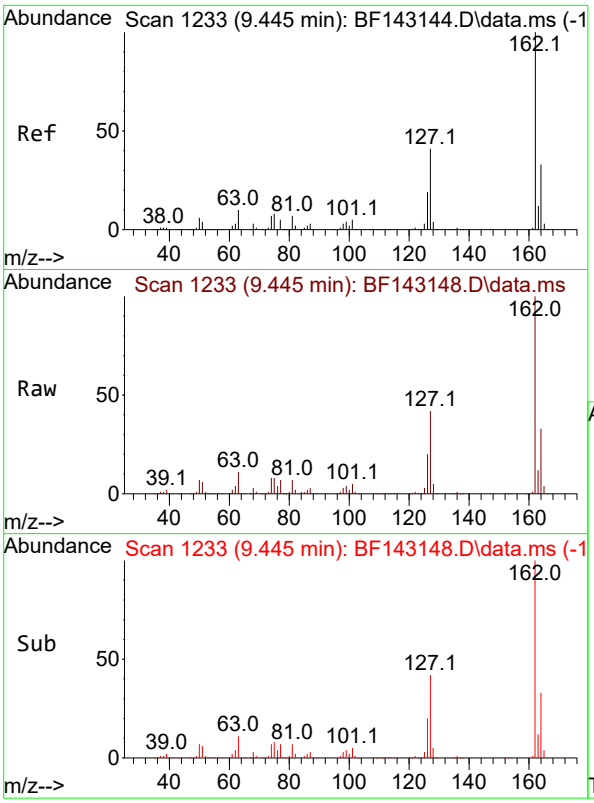


#46
1,1'-Biphenyl
Concen: 41.053 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

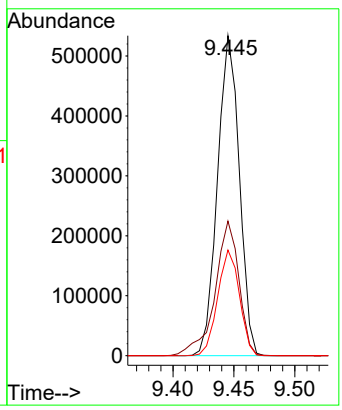
Tgt Ion:162 Resp: 66635

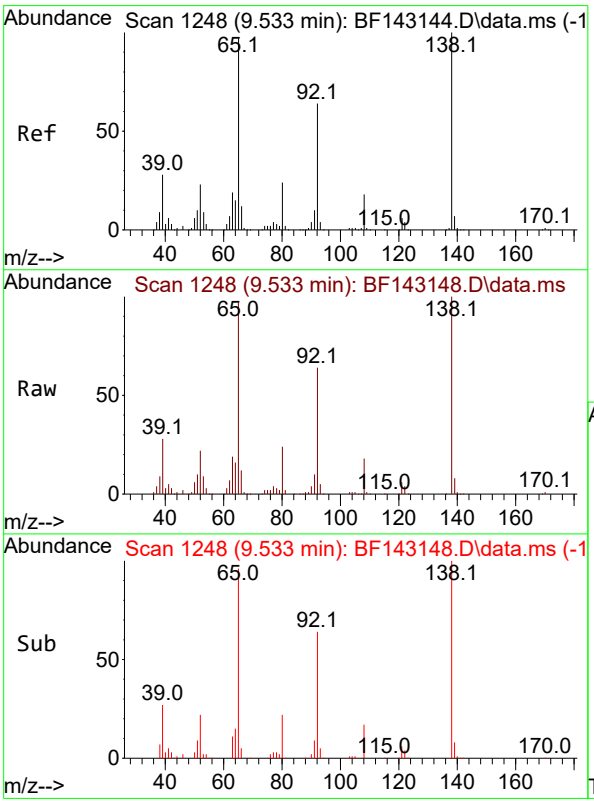
Ion	Ratio	Lower	Upper
162	100		
127	42.0	33.4	50.2
164	33.0	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

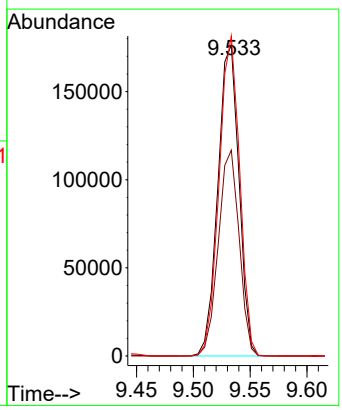


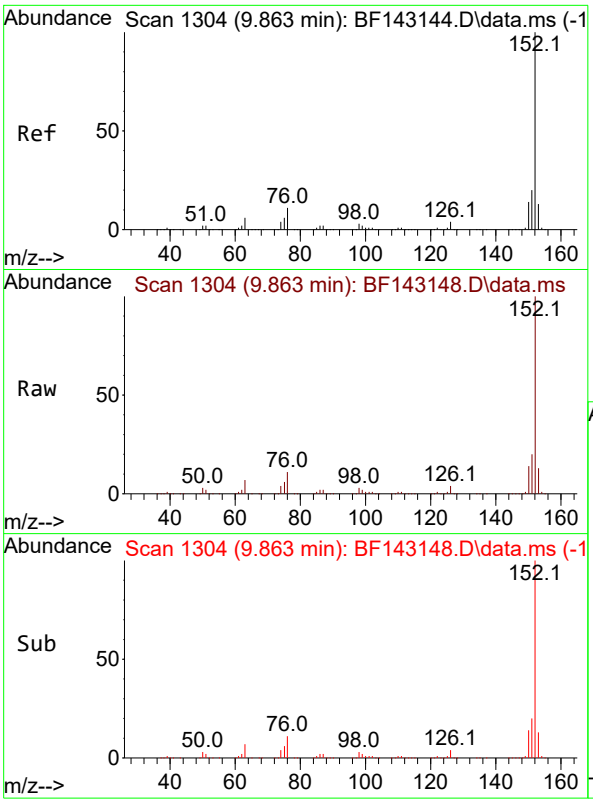


#48
2-Nitroaniline
Concen: 43.723 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

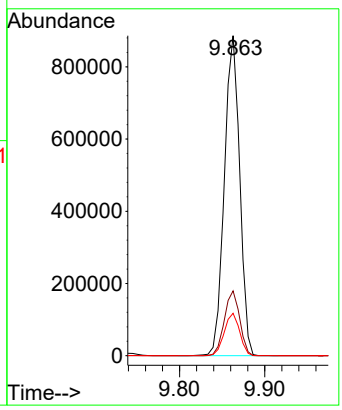
Tgt Ion:152 Resp: 111199

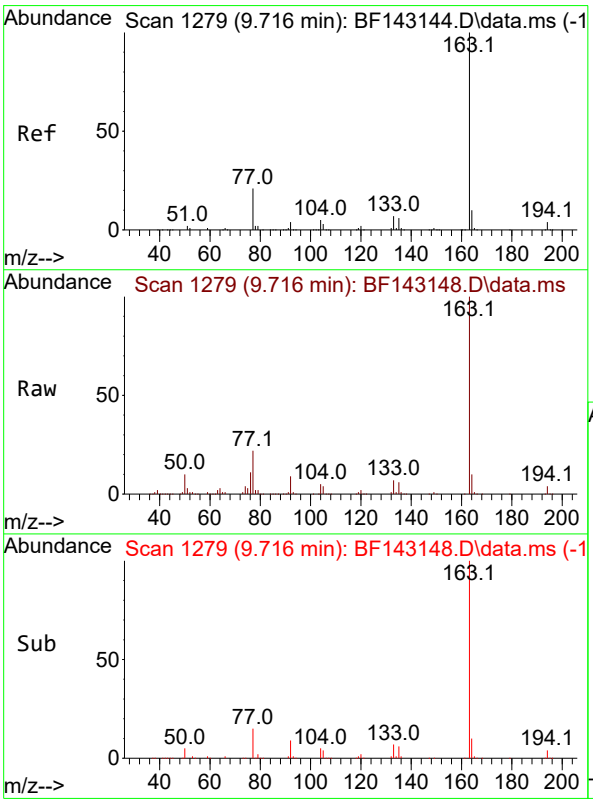
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.2
153	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

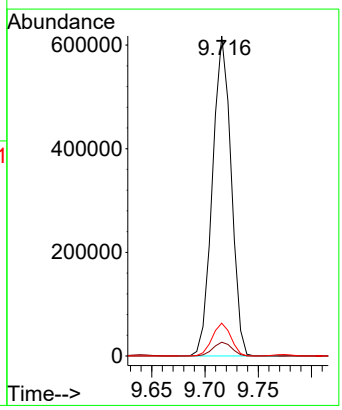


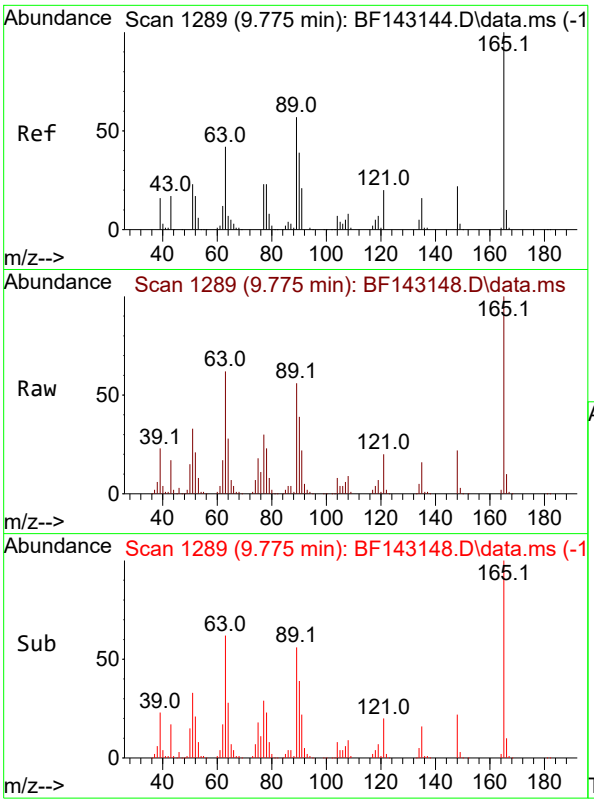


#50
Dimethylphthalate
Concen: 40.218 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

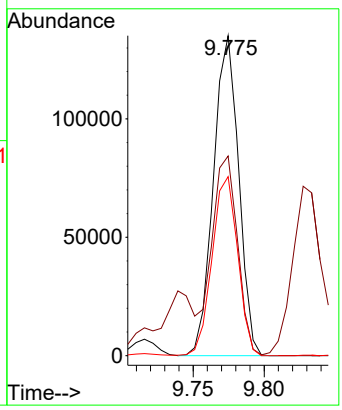
Tgt Ion:165 Resp: 16691

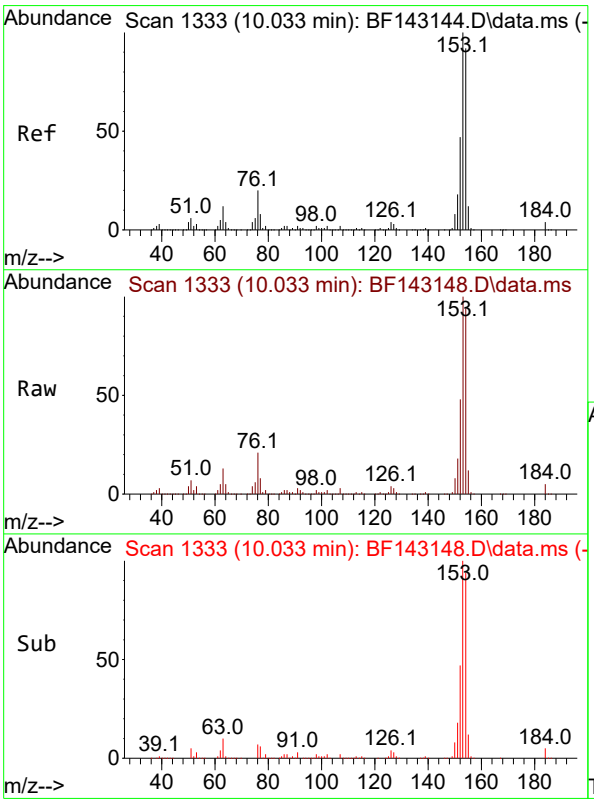
Ion	Ratio	Lower	Upper
165	100		
63	62.4	49.4	74.2
89	56.0	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

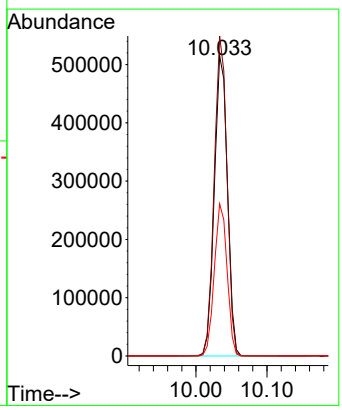


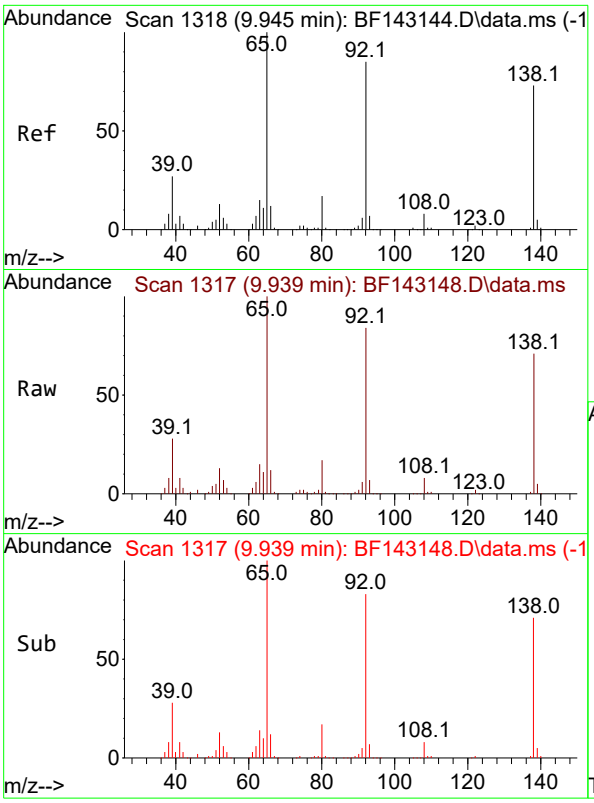


#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

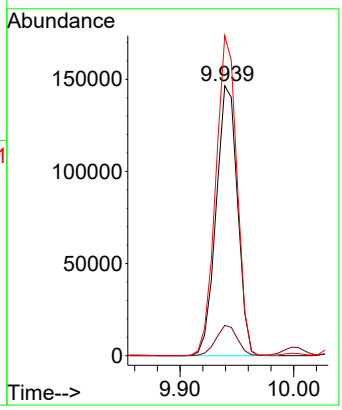
Tgt Ion:138 Resp: 19151

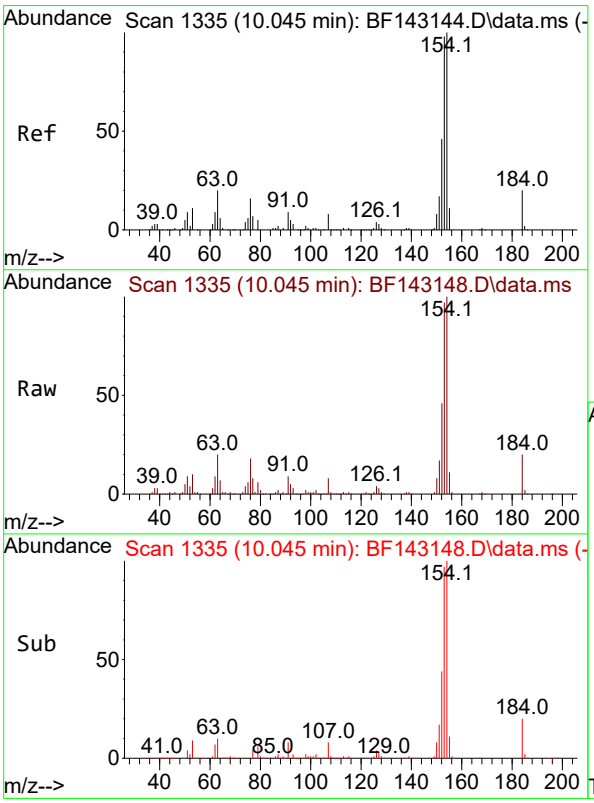
Ion	Ratio	Lower	Upper
138	100		
108	11.2	9.0	13.6
92	118.6	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

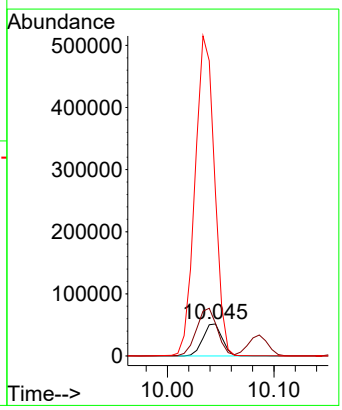


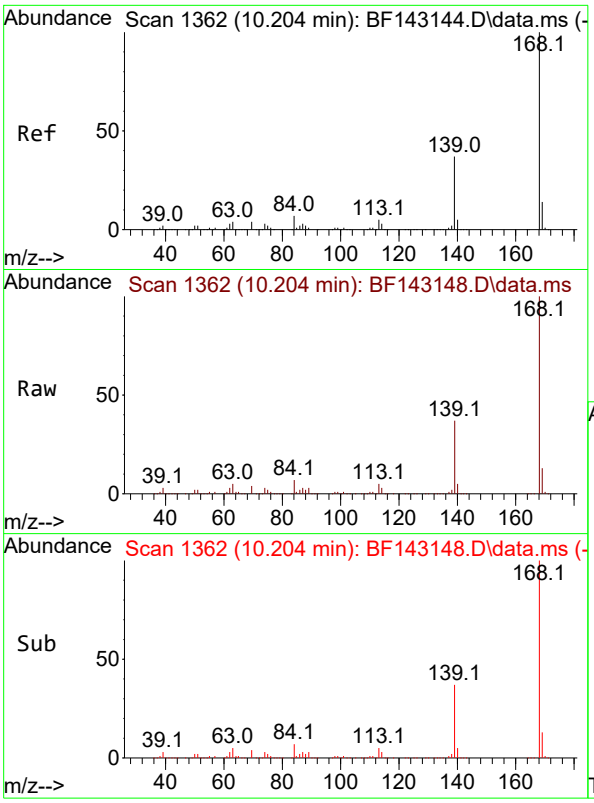


#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

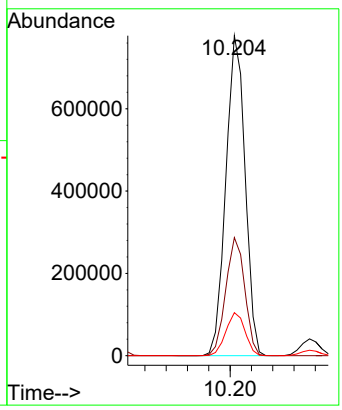
Tgt Ion:168 Resp: 97499

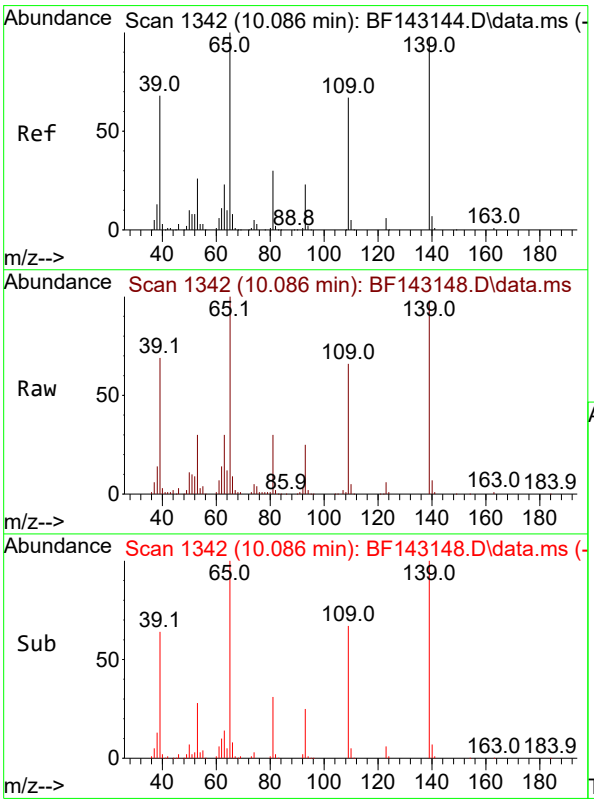
Ion	Ratio	Lower	Upper
168	100		
139	36.9	29.5	44.3
169	13.5	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

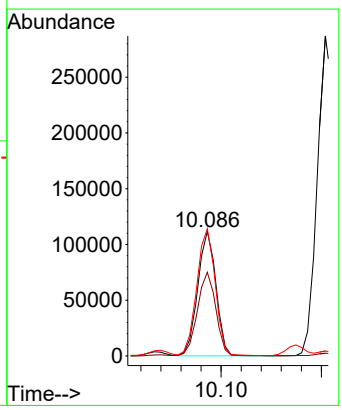


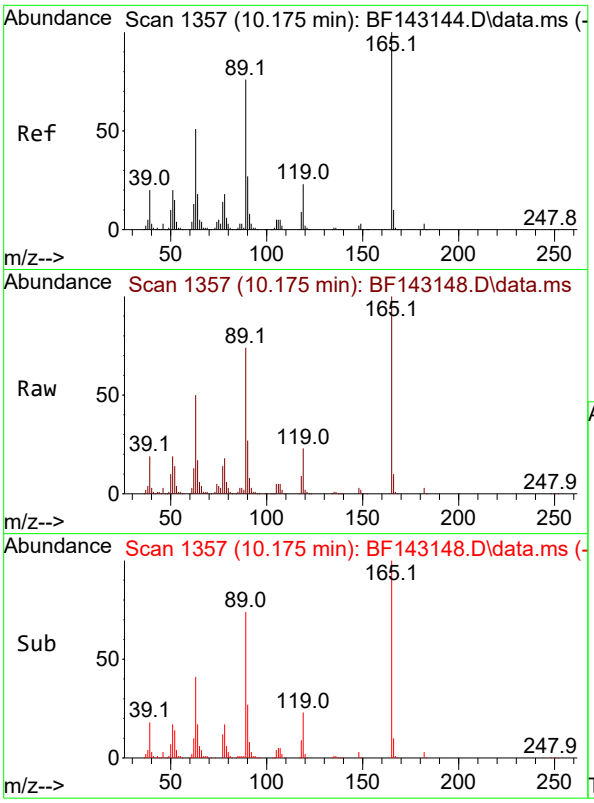


#56
4-Nitrophenol
Concen: 42.344 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

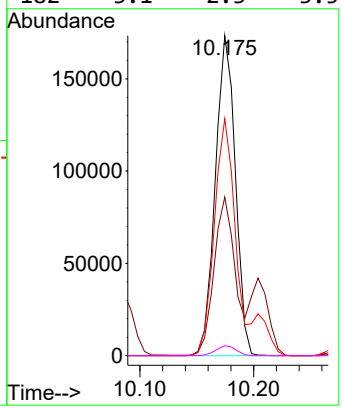
Tgt Ion:165 Resp: 21236

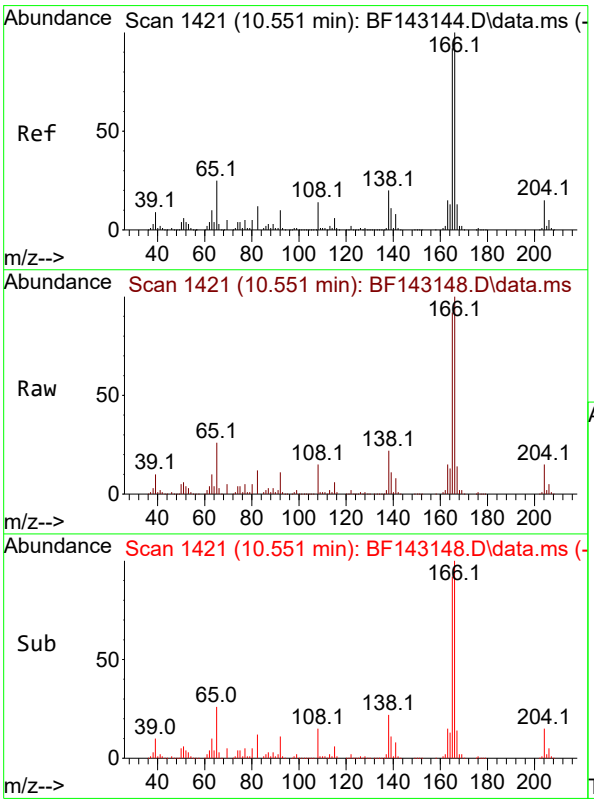
Ion	Ratio	Lower	Upper
165	100		
63	49.5	41.0	61.4
89	74.0	61.1	91.7
182	3.1	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

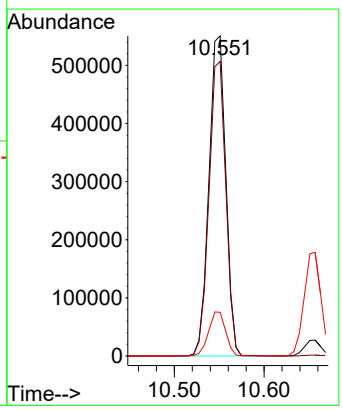


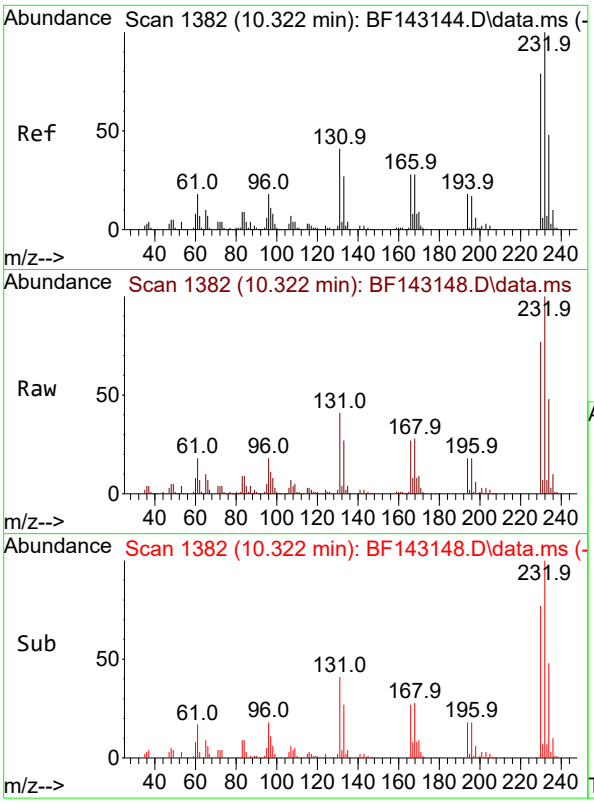


#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

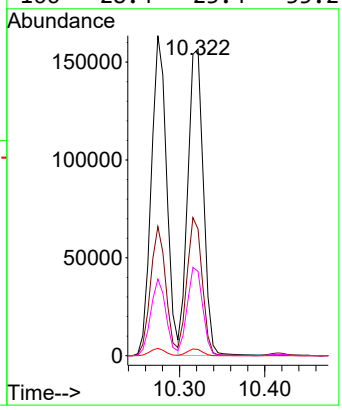
Tgt Ion:232 Resp: 19853

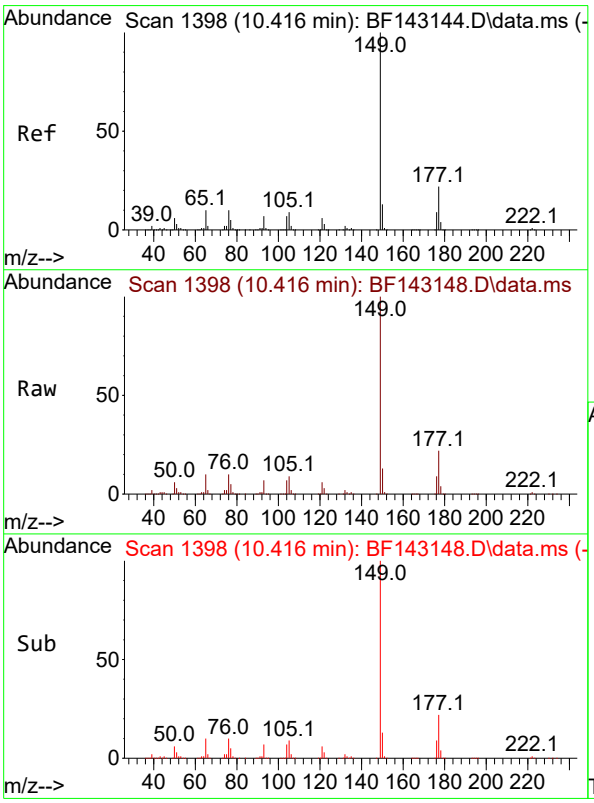
Ion	Ratio	Lower	Upper
232	100		
131	43.9	35.3	52.9
130	2.1	1.7	2.5
166	28.4	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

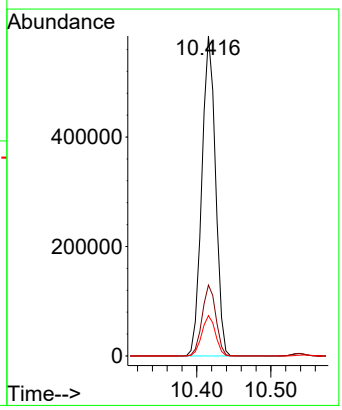


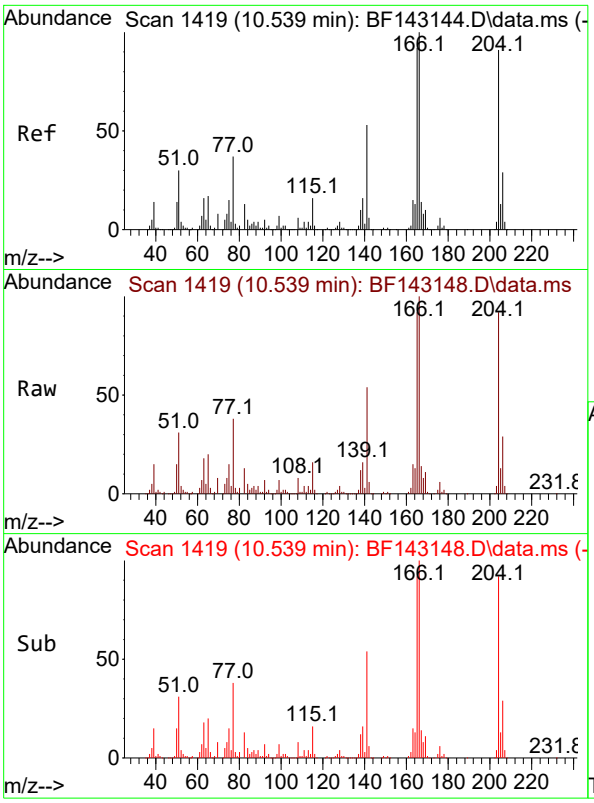


#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

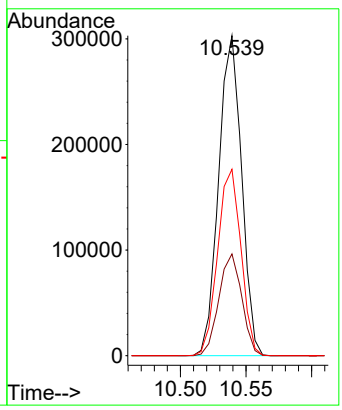
Tgt Ion:204 Resp: 36798

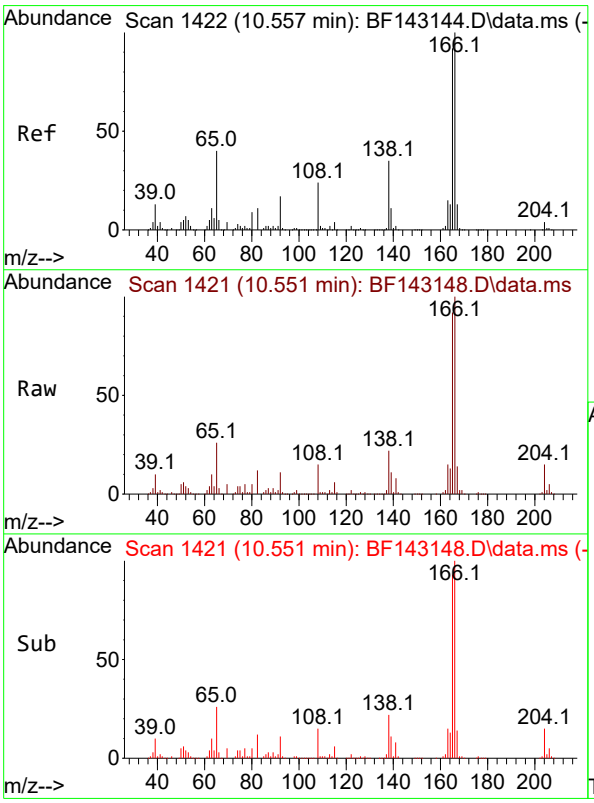
Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.8
141	58.3	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

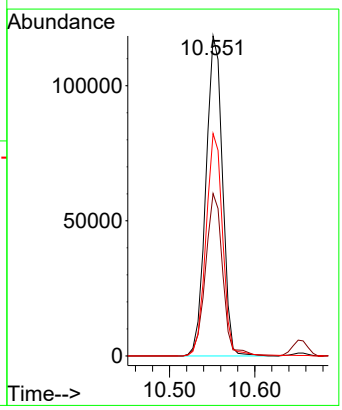


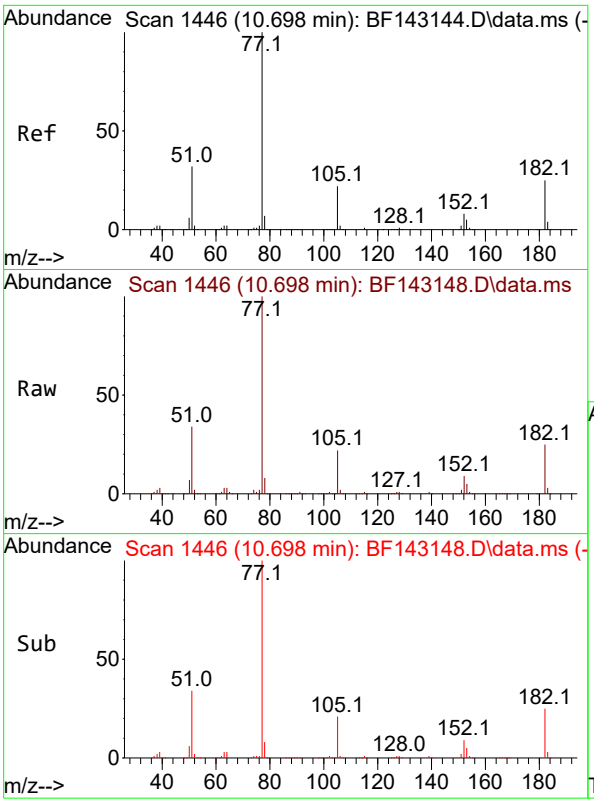


#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

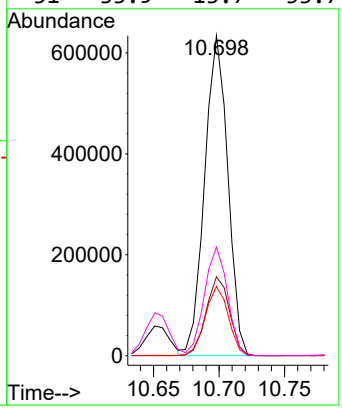
Tgt Ion: 77 Resp: 77952

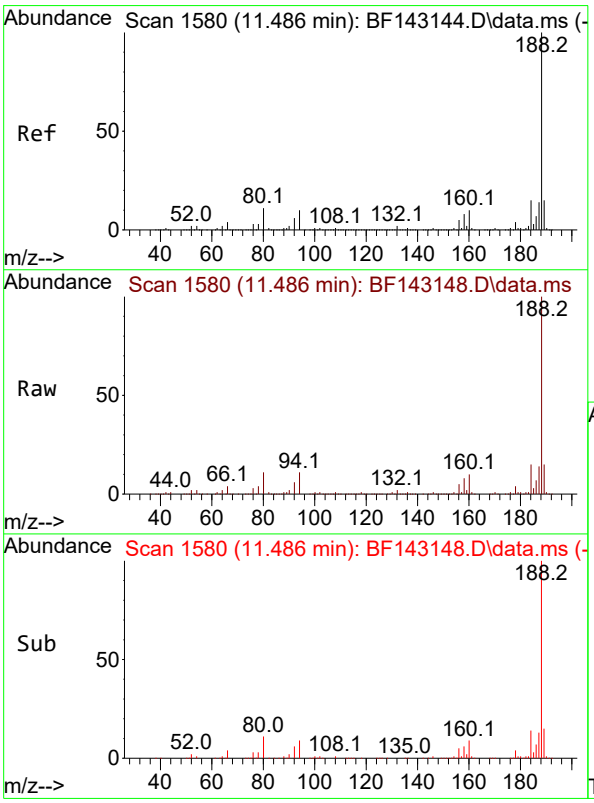
Ion	Ratio	Lower	Upper
77	100		
182	24.6	4.6	44.6
105	21.6	1.4	41.4
51	33.9	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

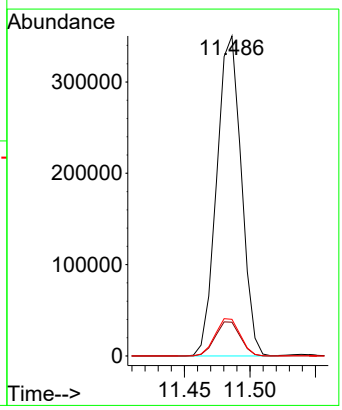


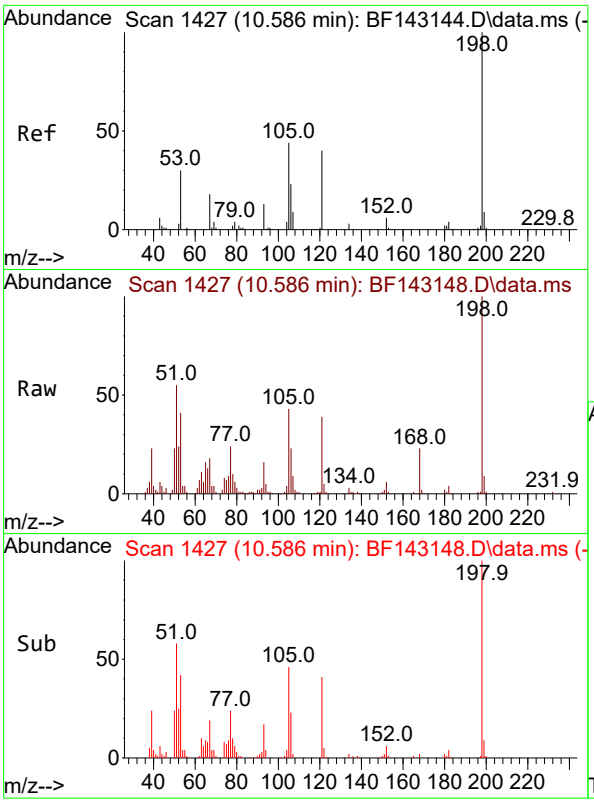


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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# 1
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

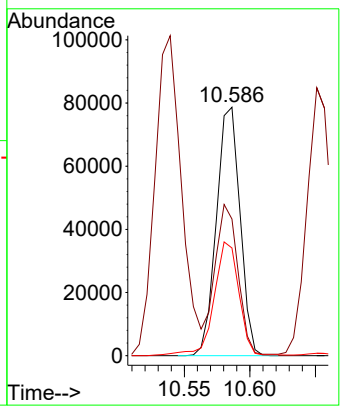
Tgt Ion:198 Resp: 9846

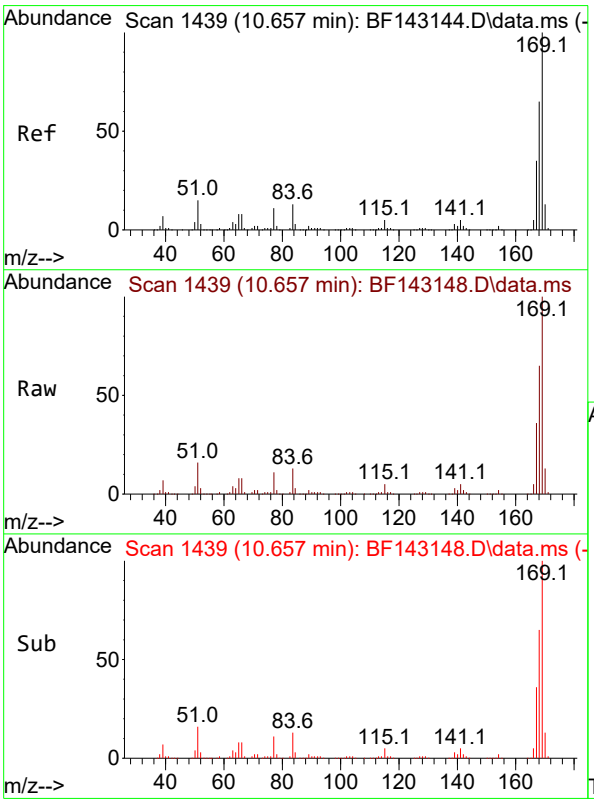
Ion	Ratio	Lower	Upper
198	100		
51	55.0	37.2	77.2
105	43.3	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

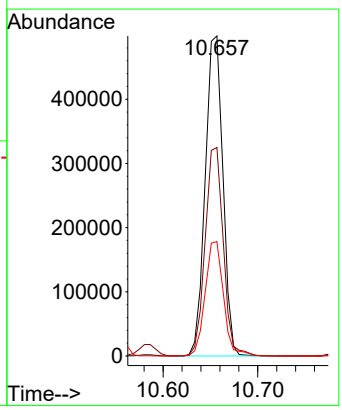


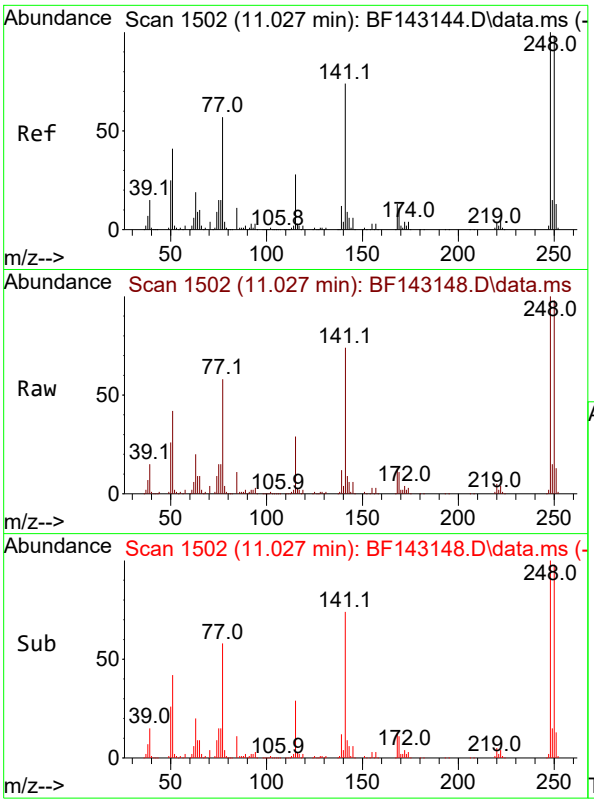


#66
n-Nitrosodiphenylamine
Concen: 40.250 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

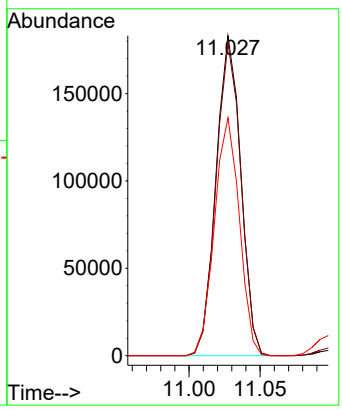
Tgt Ion:248 Resp: 22240

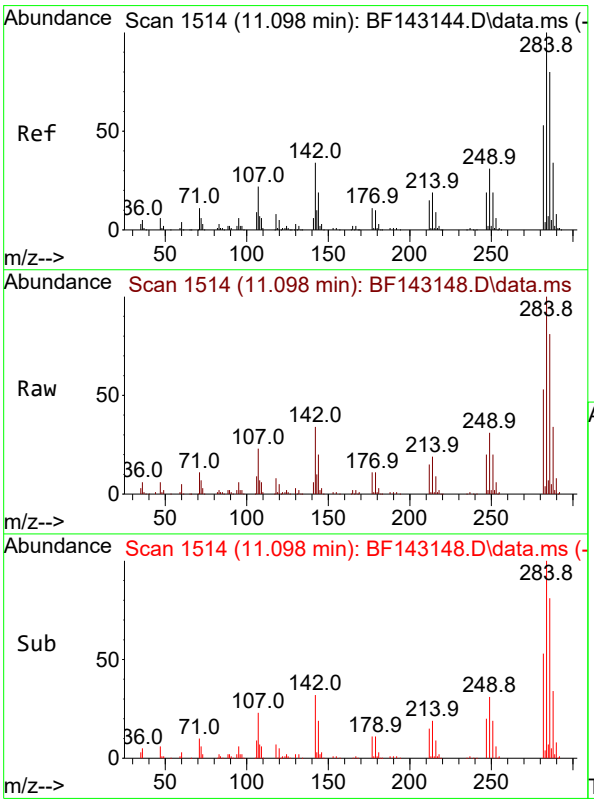
Ion	Ratio	Lower	Upper
248	100		
250	97.7	78.3	117.5
141	74.3	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

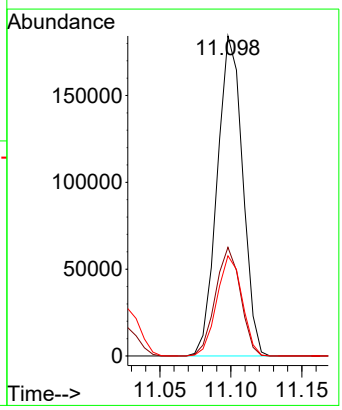


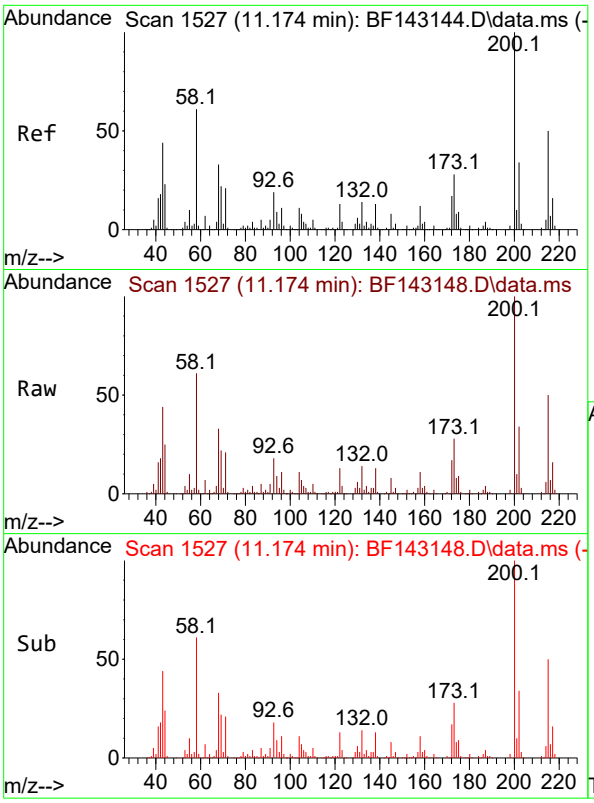


#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

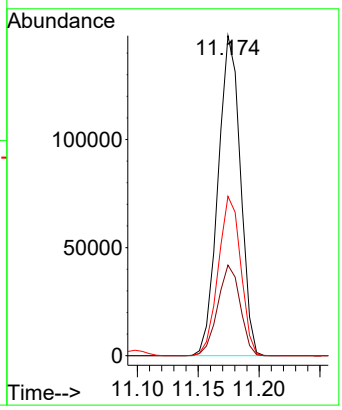
Tgt Ion:200 Resp: 189104

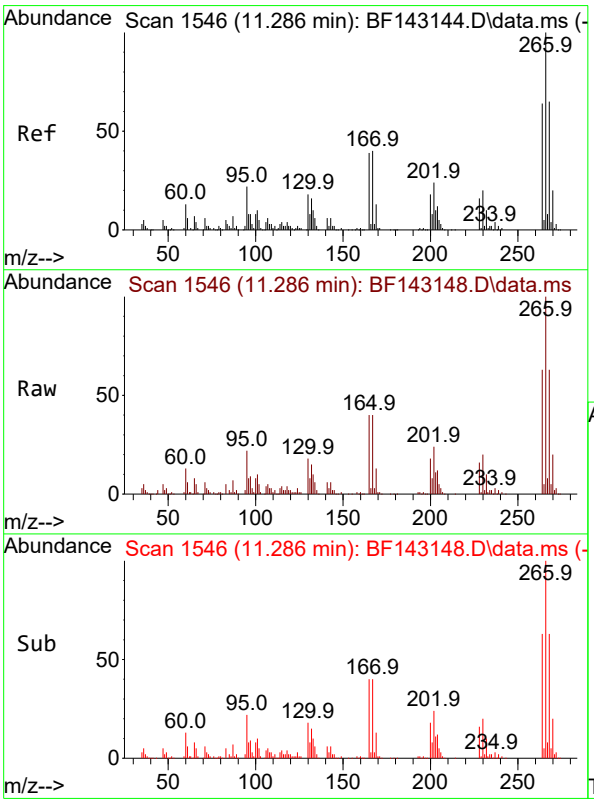
Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.8	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

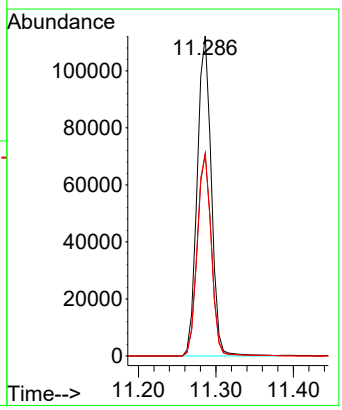


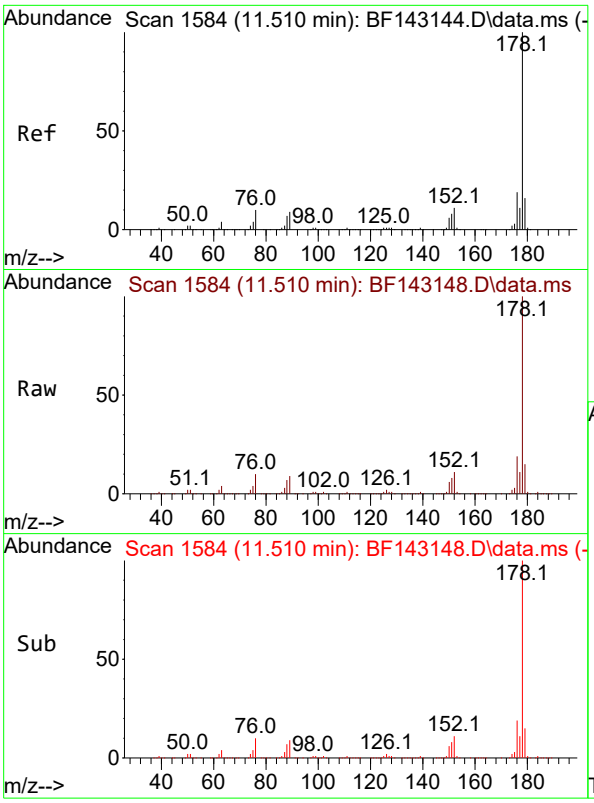


#70
Pentachlorophenol
Concen: 42.292 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

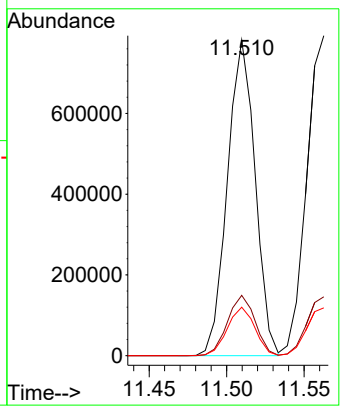
Tgt Ion:178 Resp: 97144

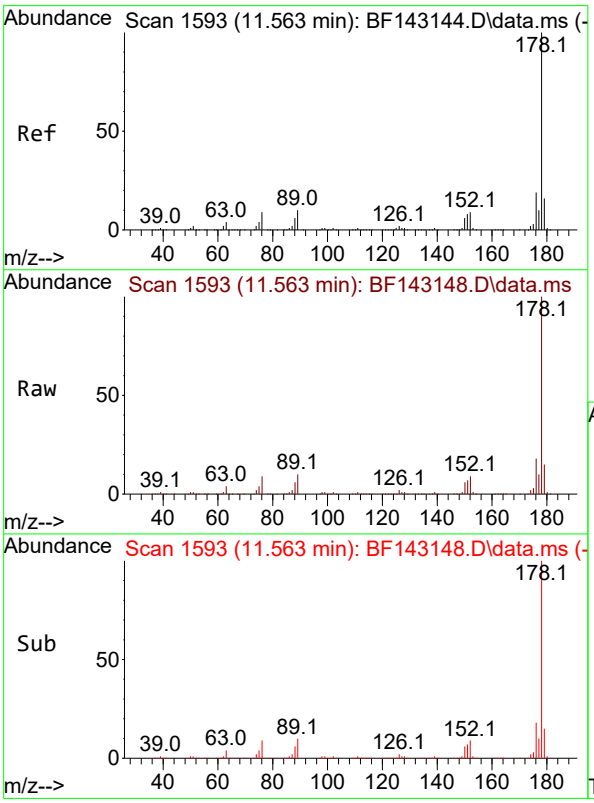
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.3	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

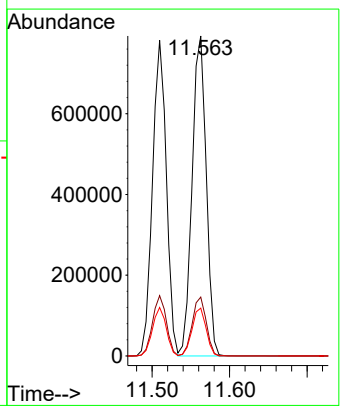


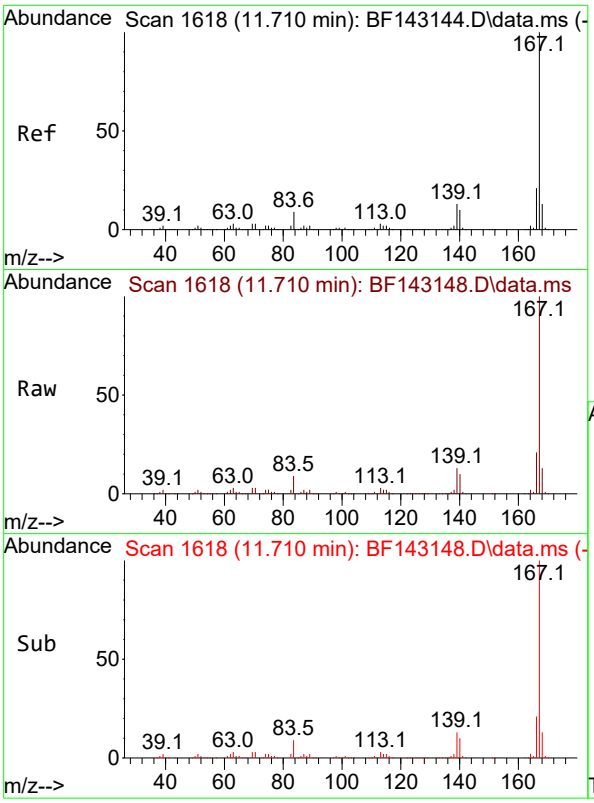


#72
Anthracene
Concen: 40.557 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

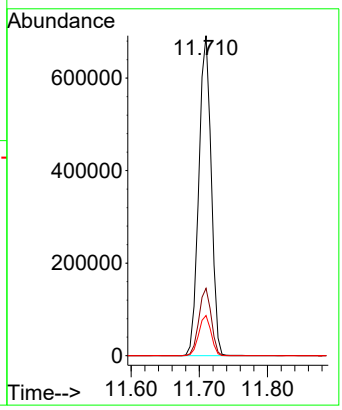
Tgt Ion:167 Resp: 87486

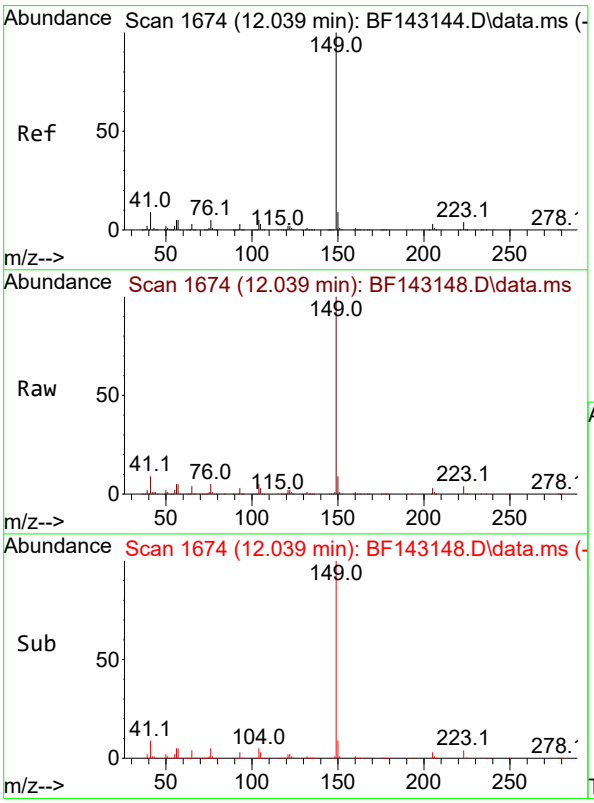
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.5	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

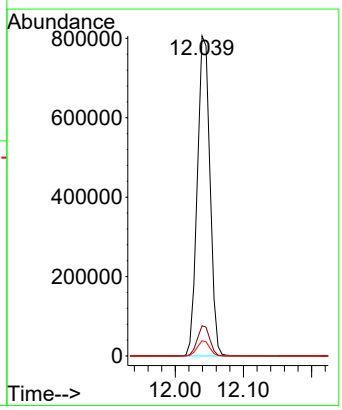


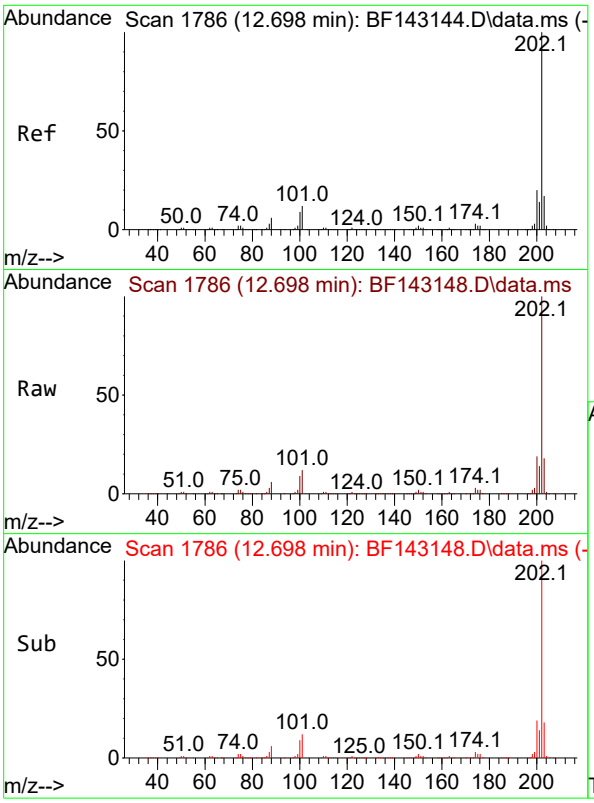


#74
Di-n-butylphthalate
Concen: 42.330 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

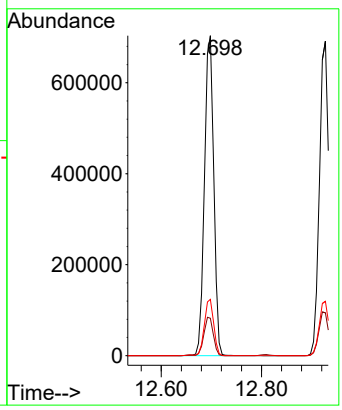
Tgt Ion:202 Resp: 90971

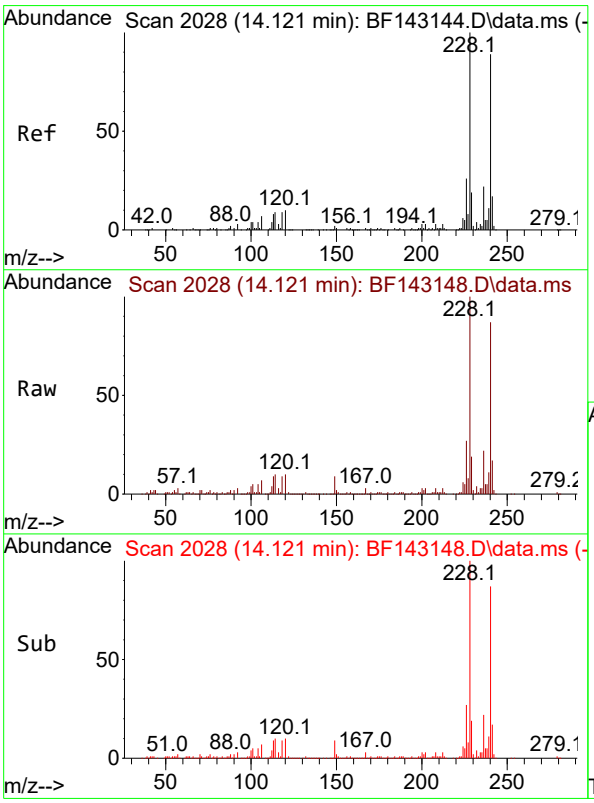
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.7
203	17.6	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

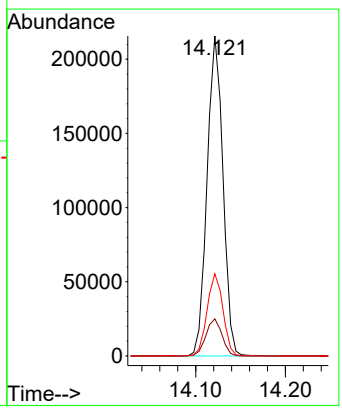


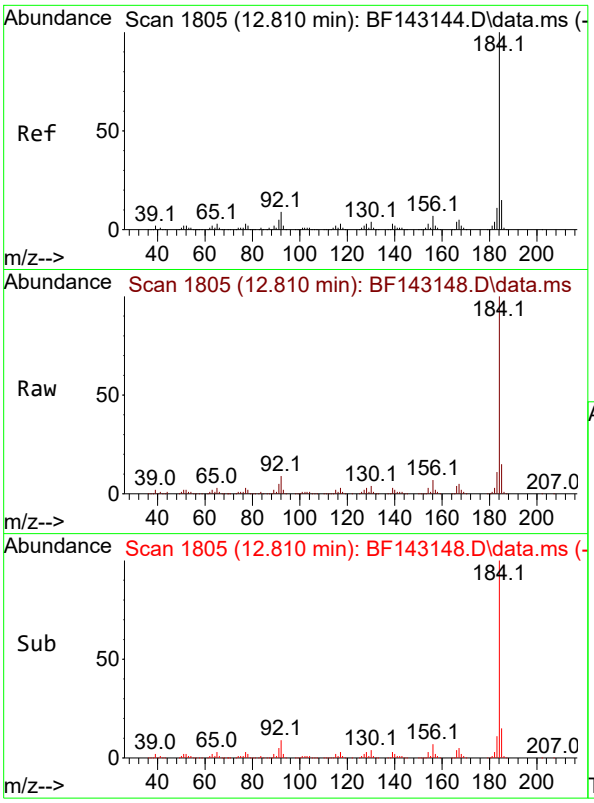


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

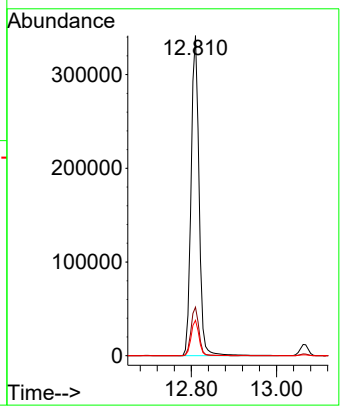
Tgt Ion:184 Resp: 44147

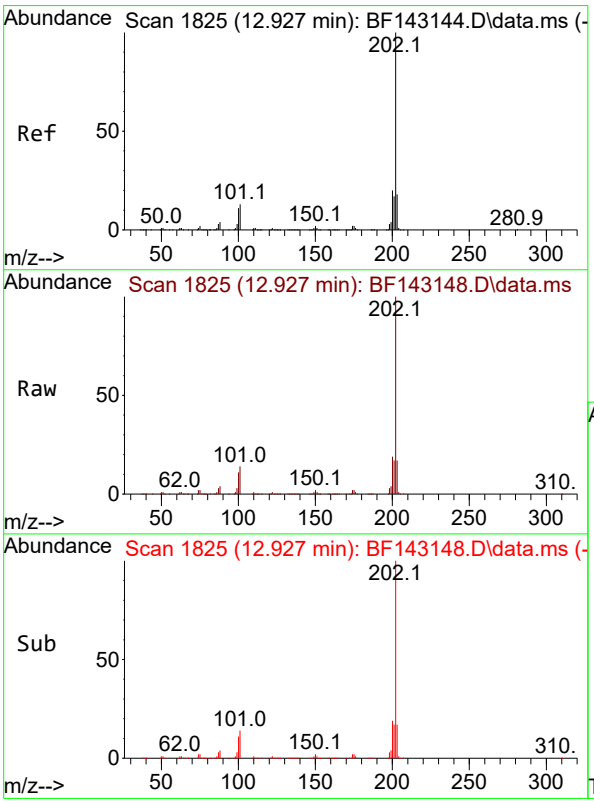
Ion	Ratio	Lower	Upper
184	100		
185	15.1	12.2	18.4
183	11.1	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

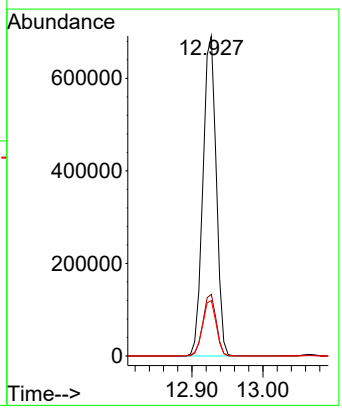


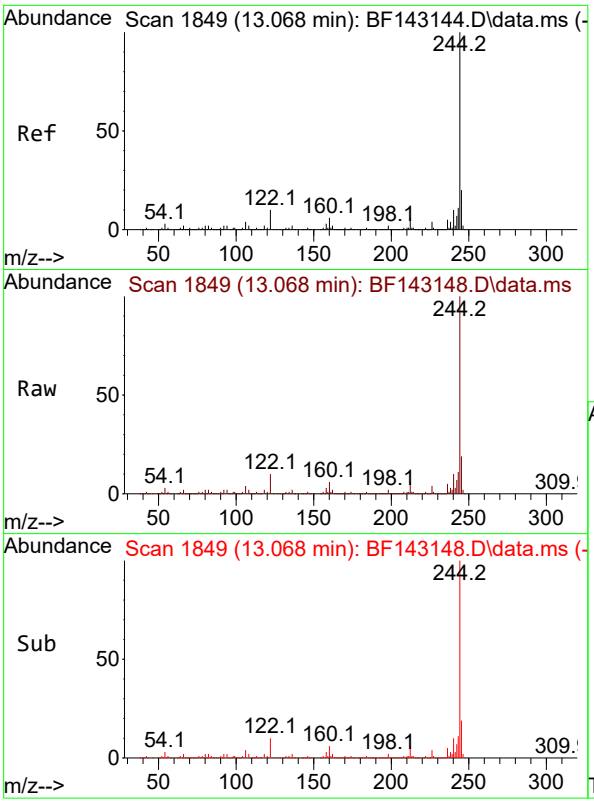


#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

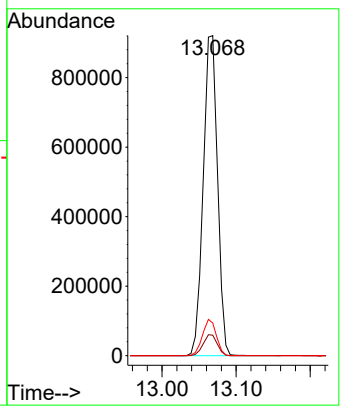
Tgt Ion:244 Resp: 123470

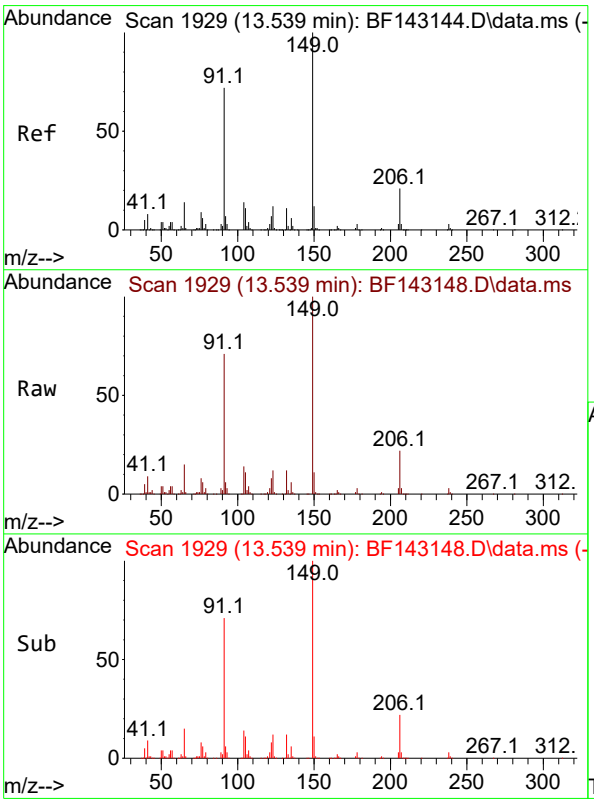
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.2	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

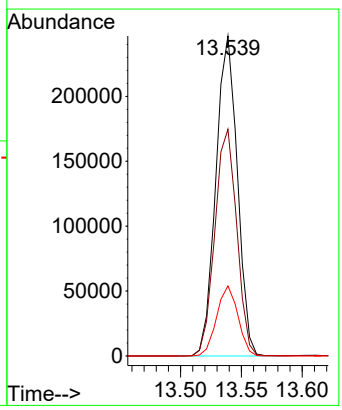


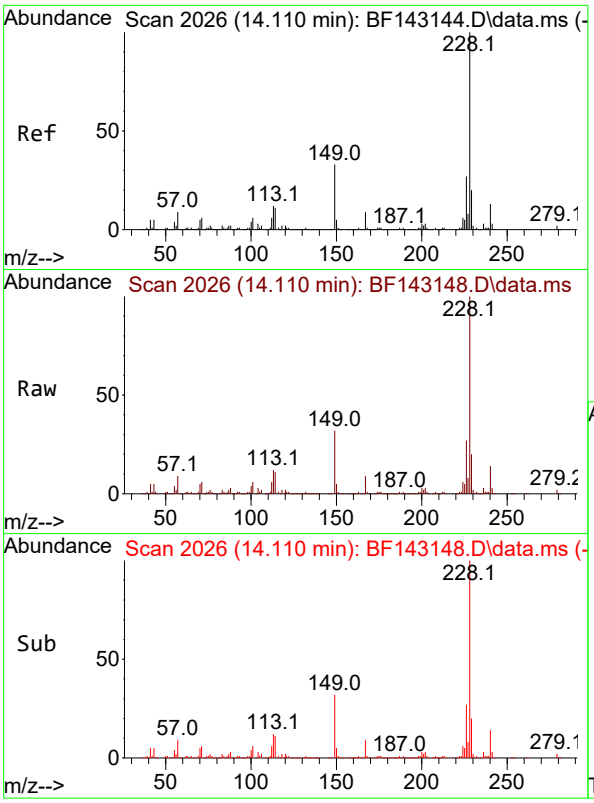


#80
Butylbenzylphthalate
Concen: 43.827 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

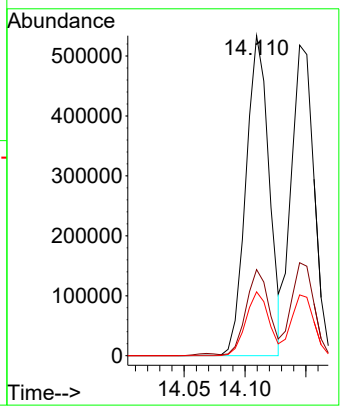
Tgt Ion:228 Resp: 708799

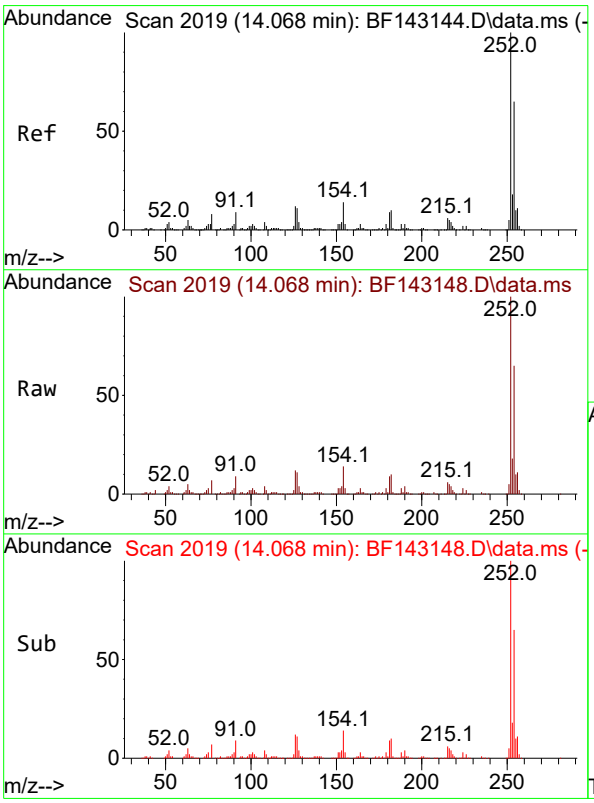
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	20.0	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

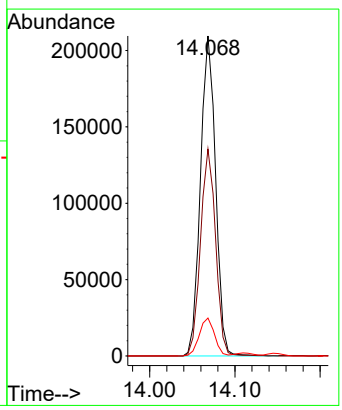


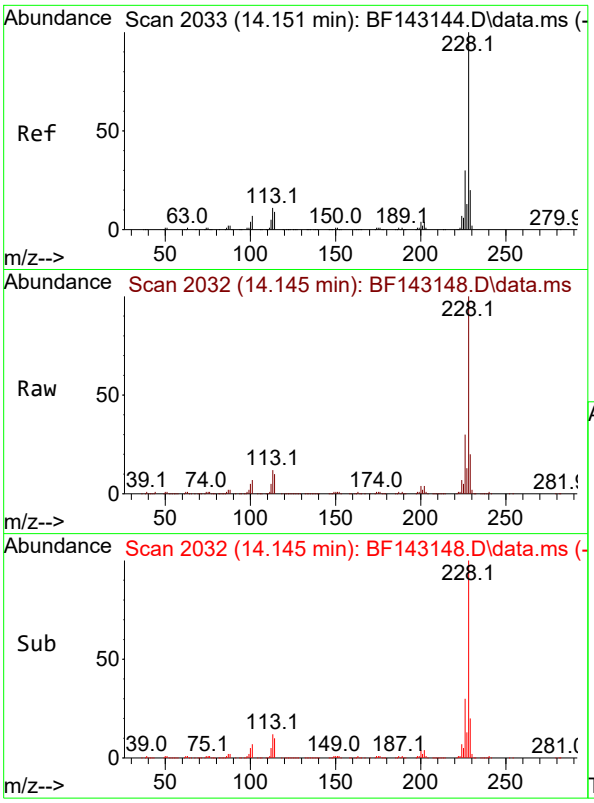


#82
3,3'-Dichlorobenzidine
Concen: 43.772 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

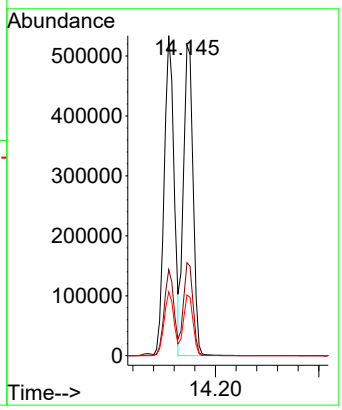
Tgt Ion:228 Resp: 67370

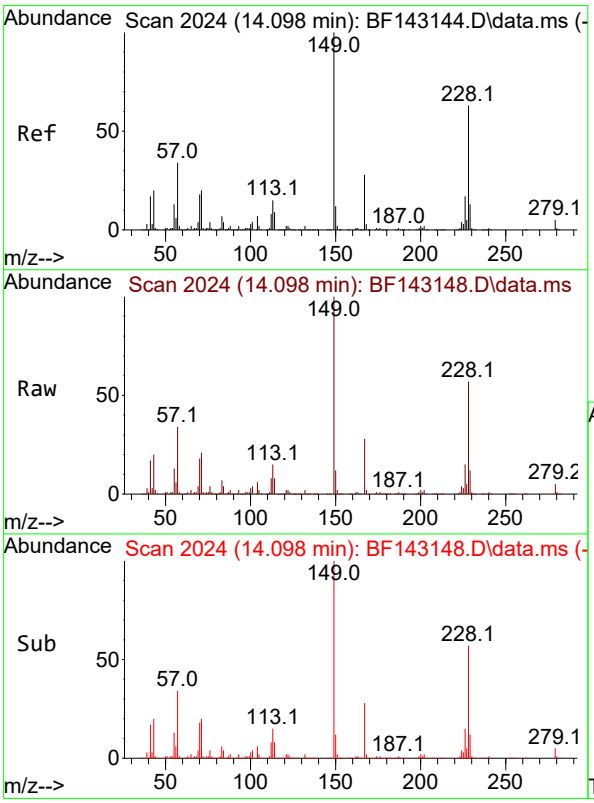
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.6	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

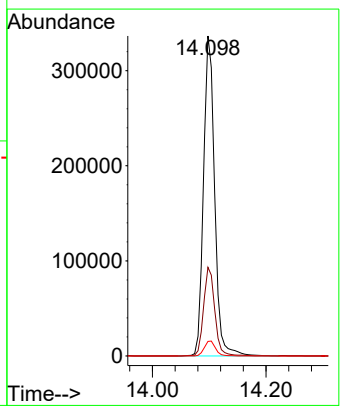


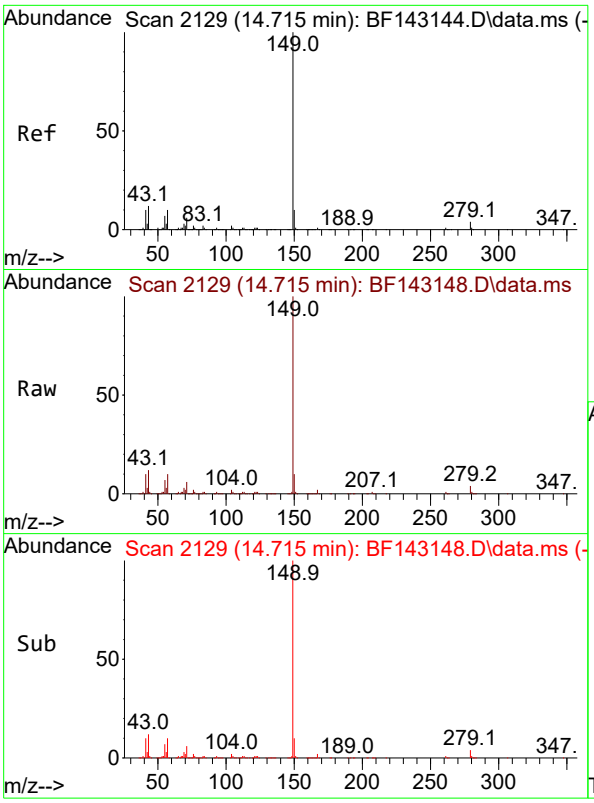


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.578 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

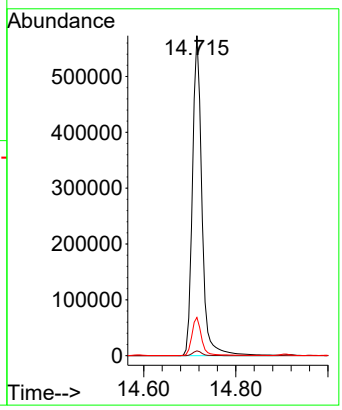
Tgt Ion:149 Resp: 81851

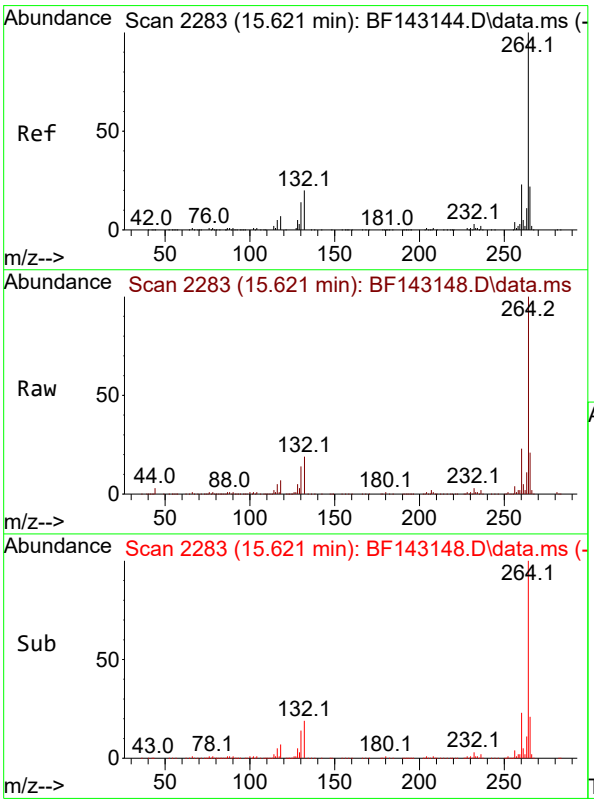
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	12.2	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

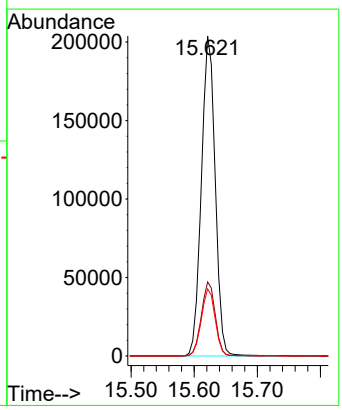


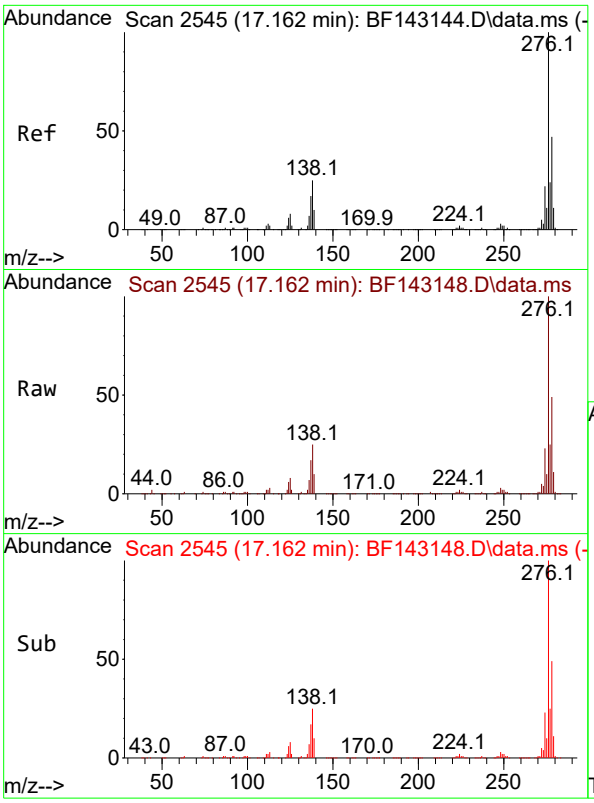


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

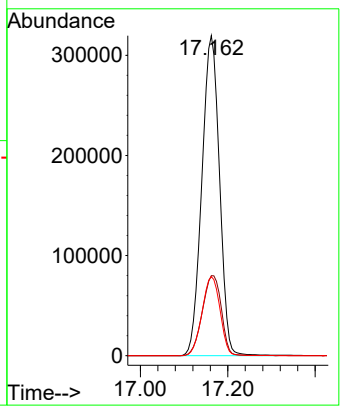
Tgt Ion:276 Resp: 89640

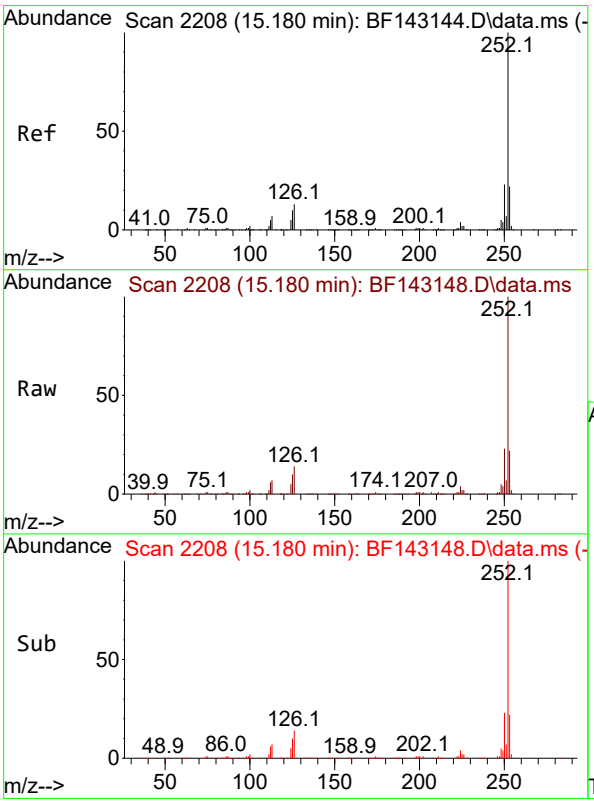
Ion	Ratio	Lower	Upper
276	100		
138	26.9	21.8	32.6
277	25.2	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

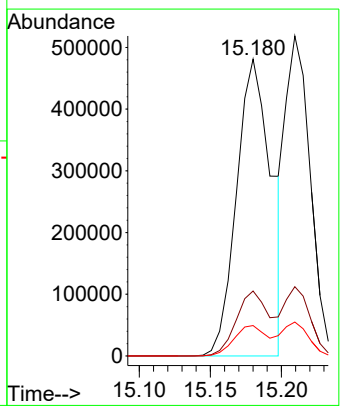


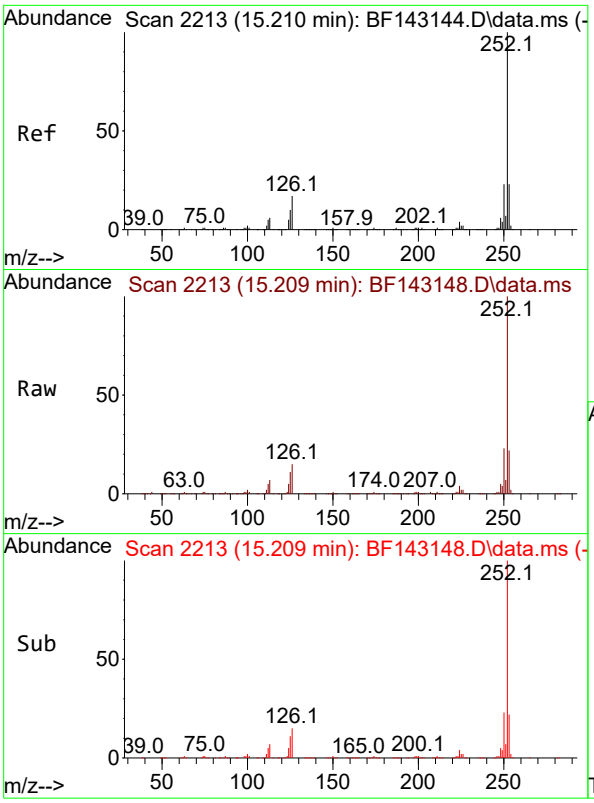


#88
Benzo(b)fluoranthene
Concen: 43.278 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

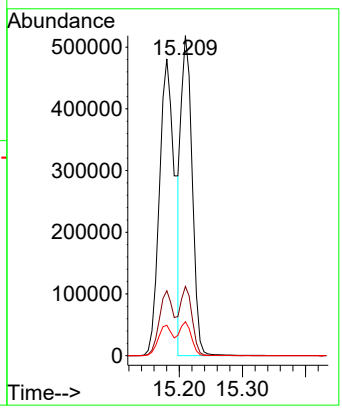
Tgt Ion:252 Resp: 63464

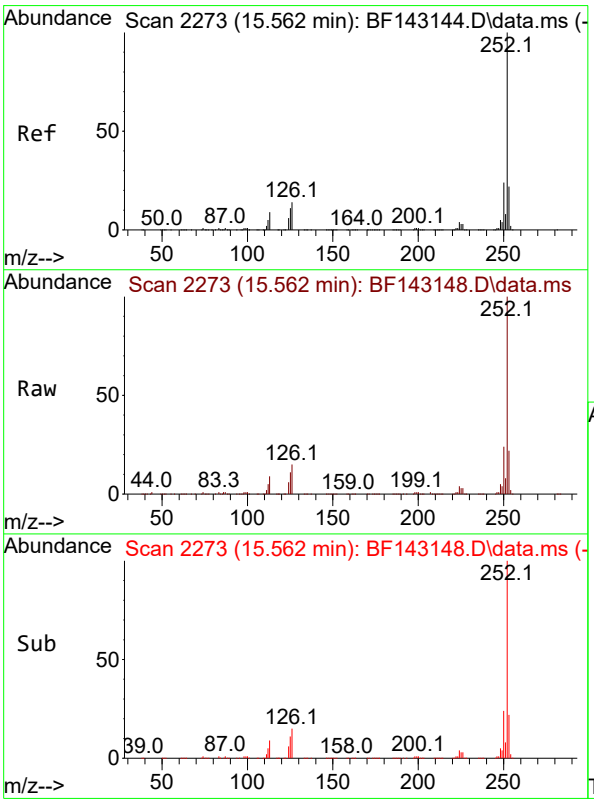
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

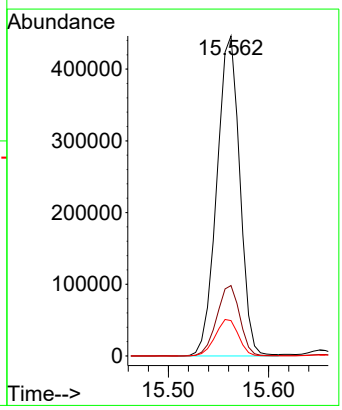


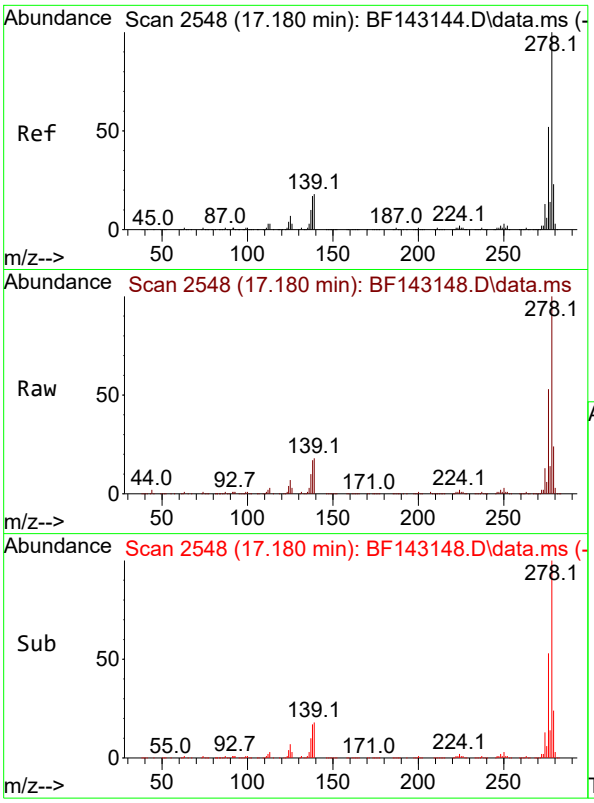


#90
Benzo(a)pyrene
Concen: 40.594 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

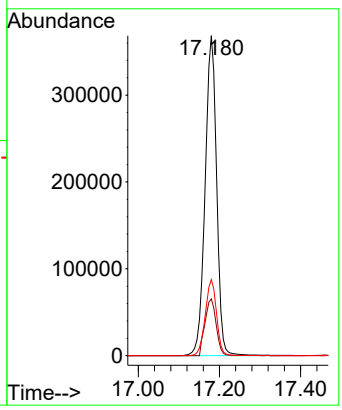
Tgt Ion:278 Resp: 72475

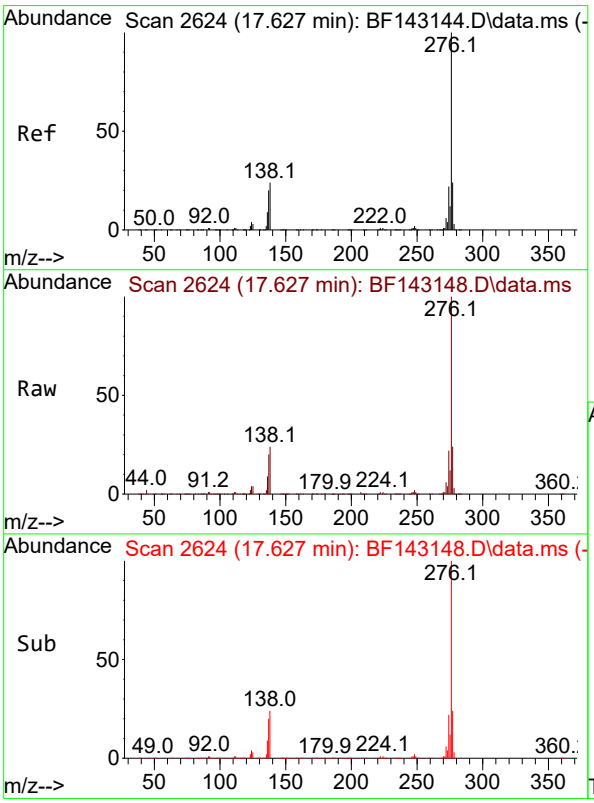
Ion	Ratio	Lower	Upper
278	100		
139	17.8	14.1	21.1
279	23.8	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

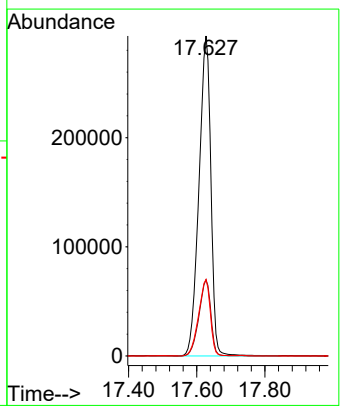




#92
Benzo(g,h,i)perylene
Concen: 41.394 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



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

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

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

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

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

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

Evaluate Continuing Calibration Report

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

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

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

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

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

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.: Q2747

Instrument ID: BNA_F Calibration Date/Time: 08/05/2025 10:00

Lab File ID: BF143305.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	1.256		-0.6	
Phenol-d6	1.591	1.570		-1.3	
Nitrobenzene-d5	0.401	0.409		2.0	
Naphthalene	0.985	0.982		-0.3	
2-Methylnaphthalene	0.599	0.594		-0.8	
2-Fluorobiphenyl	1.462	1.437		-1.7	
Acenaphthylene	1.935	1.903		-1.7	
Acenaphthene	1.144	1.158		1.2	20.0
Fluorene	1.274	1.245		-2.3	
2,4,6-Tribromophenol	0.207	0.201		-2.9	
Phenanthrene	1.062	1.054		-0.8	
Anthracene	1.083	1.085		0.2	
Fluoranthene	0.975	1.012		3.8	20.0
Pyrene	1.707	1.555		-8.9	
Terphenyl-d14	1.344	1.214		-9.7	
Benzo(a)anthracene	1.339	1.306		-2.5	
Chrysene	1.204	1.231		2.2	
Benzo(b)fluoranthene	1.222	1.160		-5.1	
Benzo(k)fluoranthene	1.090	1.056		-3.1	
Benzo(a)pyrene	1.126	1.108		-1.6	20.0
Indeno(1,2,3-cd)pyrene	1.410	1.401		-0.6	
Dibenzo(a,h)anthracene	1.148	1.123		-2.2	
Benzo(g,h,i)perylene	1.110	1.130		1.8	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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	113128	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	431458	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	216118	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	330581	20.000	ng		0.00
76) Chrysene-d12	14.127	240	218496	20.000	ng		0.00
86) Perylene-d12	15.633	264	256941	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	568417	79.512	ng		0.00
7) Phenol-d6	6.587	99	710622	78.974	ng		0.00
23) Nitrobenzene-d5	7.522	82	706383	81.610	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	173707	77.804	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1241906	78.589	ng		0.00
79) Terphenyl-d14	13.069	244	1061185	72.274	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.793	88	140646	41.578	ng		98
3) Pyridine	3.569	79	354428	40.368	ng		98
4) n-Nitrosodimethylamine	3.510	42	181754	40.095	ng		97
6) Aniline	6.622	93	500443	39.906	ng		99
8) 2-Chlorophenol	6.751	128	300692	40.127	ng		98
9) Benzaldehyde	6.510	77	285940	42.378	ng		99
10) Phenol	6.604	94	410472	41.874	ng		98
11) bis(2-Chloroethyl)ether	6.692	93	302536	40.309	ng		99
12) 1,3-Dichlorobenzene	6.904	146	325898	40.035	ng		99
13) 1,4-Dichlorobenzene	6.981	146	326121	39.782	ng		99
14) 1,2-Dichlorobenzene	7.134	146	313591	40.219	ng		99
15) Benzyl Alcohol	7.098	79	269432	39.216	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	565350	40.606	ng		100
17) 2-Methylphenol	7.210	107	247541	39.288	ng		98
18) Hexachloroethane	7.481	117	115517	40.705	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	220998	38.282	ng		98
20) 3+4-Methylphenols	7.363	107	302555	39.579	ng	#	75
22) Acetophenone	7.369	105	394575	38.628	ng	#	99
24) Nitrobenzene	7.539	77	330922	41.008	ng		99
25) Isophorone	7.781	82	595203	38.953	ng		98
26) 2-Nitrophenol	7.857	139	161031	45.979	ng		98
27) 2,4-Dimethylphenol	7.892	122	279672	39.176	ng		97
28) bis(2-Chloroethoxy)met...	7.987	93	373502	40.769	ng		99
29) 2,4-Dichlorophenol	8.098	162	243569	40.457	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	261981	40.279	ng		99
31) Naphthalene	8.263	128	847127	39.867	ng		100
32) Benzoic acid	7.992	122	137490	35.679	ng		99
33) 4-Chloroaniline	8.310	127	338525	39.017	ng		98
34) Hexachlorobutadiene	8.386	225	158189	39.813	ng		98
35) Caprolactam	8.669	113	71956	39.552	ng		96
36) 4-Chloro-3-methylphenol	8.786	107	254785	38.936	ng		98
37) 2-Methylnaphthalene	8.957	142	512465	39.633	ng		100
38) 1-Methylnaphthalene	9.057	142	527577	39.623	ng		99
40) 1,2,4,5-Tetrachloroben...	9.122	216	258812	41.479	ng		98
41) Hexachlorocyclopentadiene	9.116	237	144189	35.515	ng		99
43) 2,4,6-Trichlorophenol	9.233	196	164824	38.169	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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

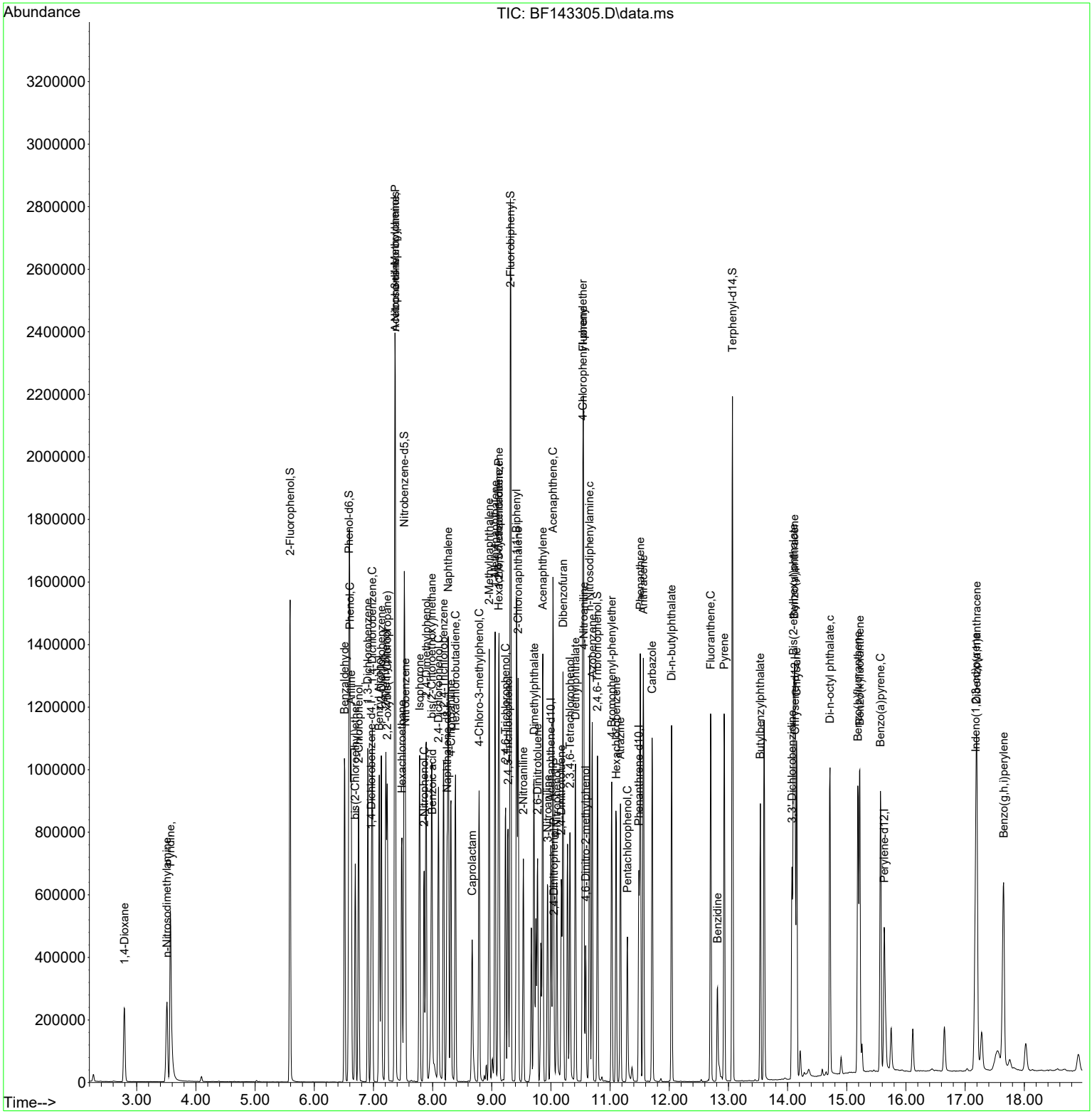
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	172802	40.004 ng		99
46) 1,1'-Biphenyl	9.416	154	679840	40.319 ng		99
47) 2-Chloronaphthalene	9.445	162	498905	39.988 ng		99
48) 2-Nitroaniline	9.533	65	165874	42.396 ng		99
49) Acenaphthylene	9.863	152	822478	39.337 ng		100
50) Dimethylphthalate	9.716	163	554408	39.355 ng		99
51) 2,6-Dinitrotoluene	9.775	165	120661	42.105 ng		97
52) Acenaphthene	10.033	154	500323	40.487 ng		99
53) 3-Nitroaniline	9.945	138	136582	40.747 ng		96
54) 2,4-Dinitrophenol	10.051	184	49591	41.665 ng	#	1
55) Dibenzofuran	10.204	168	719575	39.219 ng		98
56) 4-Nitrophenol	10.098	139	144639	57.785 ng		98
57) 2,4-Dinitrotoluene	10.175	165	152755	42.487 ng		99
58) Fluorene	10.545	166	538130	39.080 ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	134953	37.715 ng		99
60) Diethylphthalate	10.416	149	540701	38.833 ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	274523	40.037 ng		98
62) 4-Nitroaniline	10.557	138	115398	40.169 ng		97
63) Azobenzene	10.698	77	566976	39.070 ng		99
65) 4,6-Dinitro-2-methylph...	10.586	198	74287	43.445 ng		96
66) n-Nitrosodiphenylamine	10.651	169	473628	40.687 ng		99
67) 4-Bromophenyl-phenylether	11.028	248	161943	41.106 ng		98
68) Hexachlorobenzene	11.104	284	162603	39.488 ng		97
69) Atrazine	11.175	200	134626	41.949 ng		99
70) Pentachlorophenol	11.292	266	84653	34.958 ng		95
71) Phenanthrene	11.510	178	696835	39.699 ng		100
72) Anthracene	11.563	178	717238	40.065 ng		99
73) Carbazole	11.710	167	624105	39.925 ng		100
74) Di-n-butylphthalate	12.039	149	778708	44.026 ng		100
75) Fluoranthene	12.698	202	668876	41.516 ng		99
77) Benzidine	12.816	184	214485	25.479 ng		98
78) Pyrene	12.927	202	679600	36.445 ng		100
80) Butylbenzylphthalate	13.539	149	270164	47.313 ng		100
81) Benzo(a)anthracene	14.116	228	570817	39.021 ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	204352	41.914 ng		99
83) Chrysene	14.151	228	538092	40.913 ng		100
84) Bis(2-ethylhexyl)phtha...	14.098	149	383240	44.342 ng		99
85) Di-n-octyl phthalate	14.716	149	645935	41.231 ng		100
87) Indeno(1,2,3-cd)pyrene	17.180	276	720085	39.745 ng		99
88) Benzo(b)fluoranthene	15.186	252	595917	37.964 ng		98
89) Benzo(k)fluoranthene	15.221	252	542772	38.750 ng		100
90) Benzo(a)pyrene	15.568	252	569386	39.371 ng		99
91) Dibenzo(a,h)anthracene	17.198	278	576896	39.120 ng		98
92) Benzo(g,h,i)perylene	17.651	276	580577	40.700 ng		99

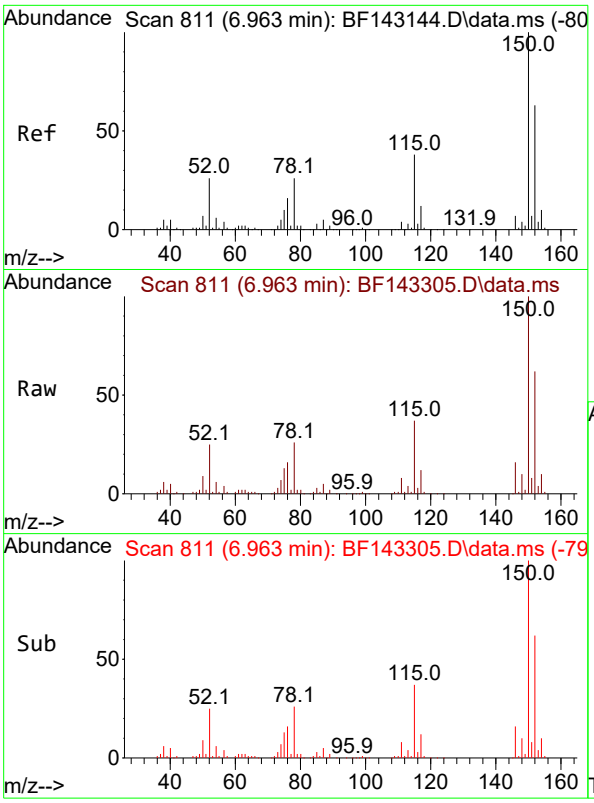
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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



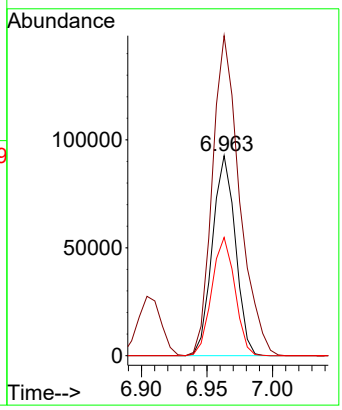


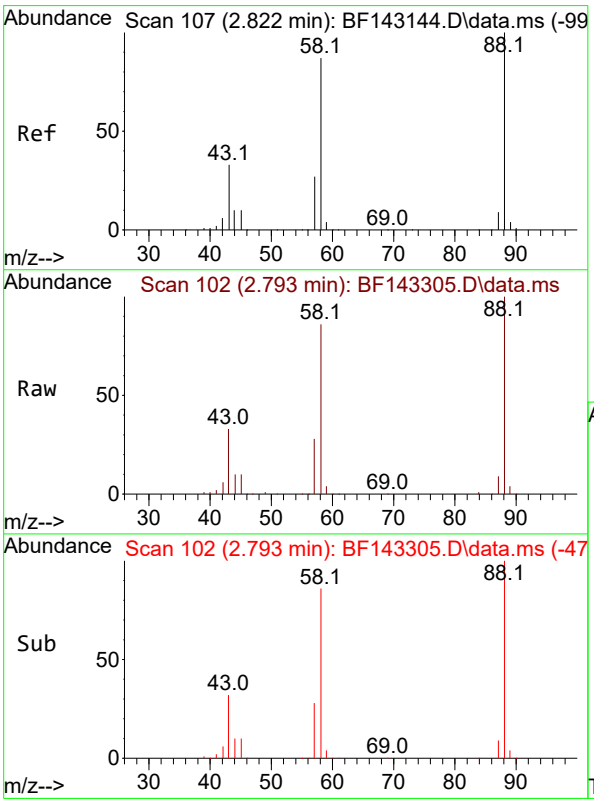
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 113128

Ion	Ratio	Lower	Upper
152	100		
150	160.0	128.2	192.4
115	59.1	47.9	71.9

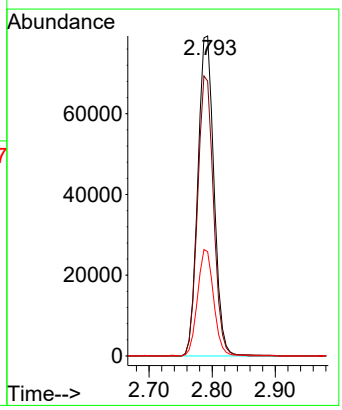


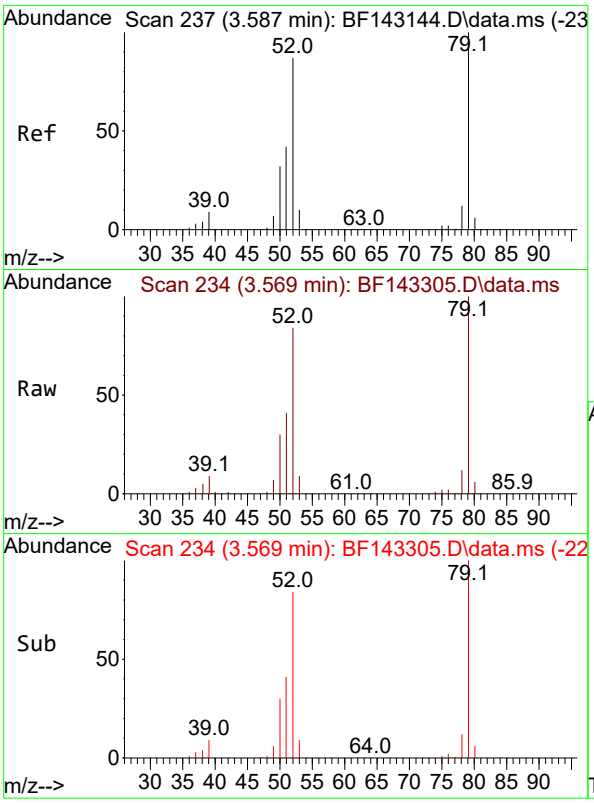


#2
1,4-Dioxane
Concen: 41.578 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 88 Resp: 140646

Ion	Ratio	Lower	Upper
88	100		
58	86.2	70.2	105.2
43	33.2	27.1	40.7



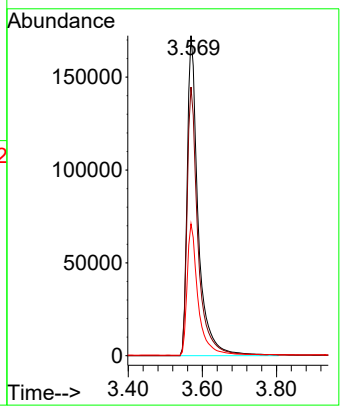


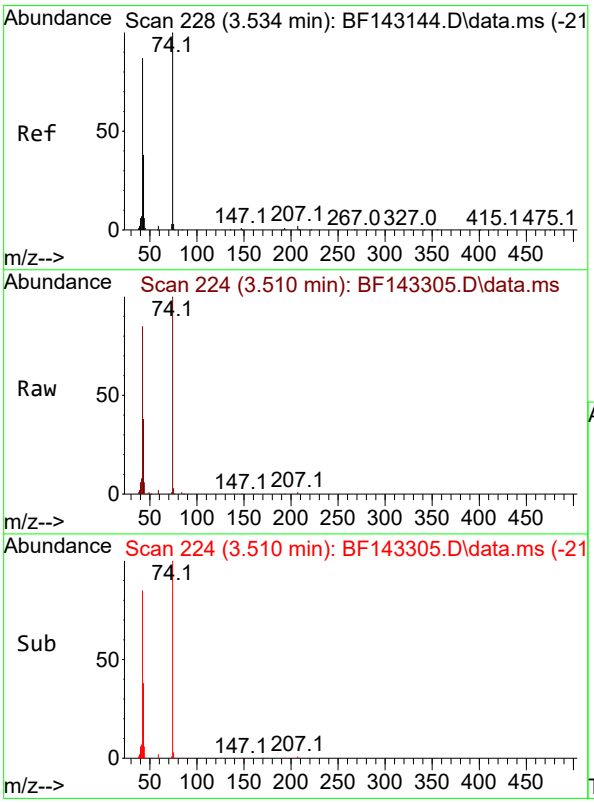
#3
Pyridine
Concen: 40.368 ng
RT: 3.569 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 354428

Ion	Ratio	Lower	Upper
79	100		
52	84.0	69.4	104.2
51	41.2	33.5	50.3

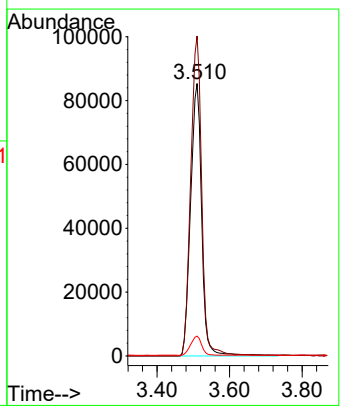


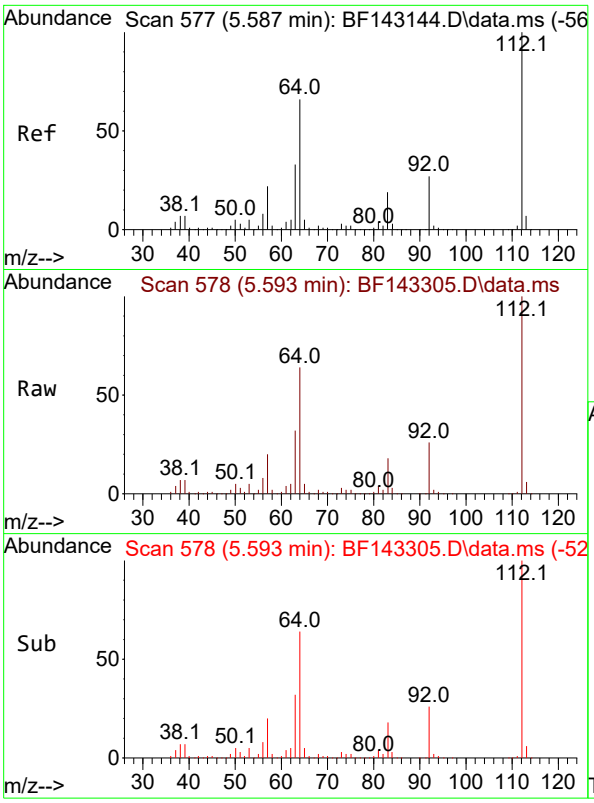


#4
n-Nitrosodimethylamine
Concen: 40.095 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 42 Resp: 181754

Ion	Ratio	Lower	Upper
42	100		
74	117.4	91.7	137.5
44	7.3	5.6	8.4



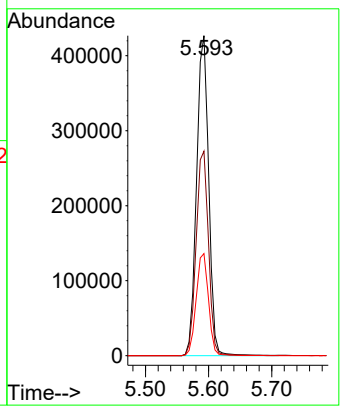


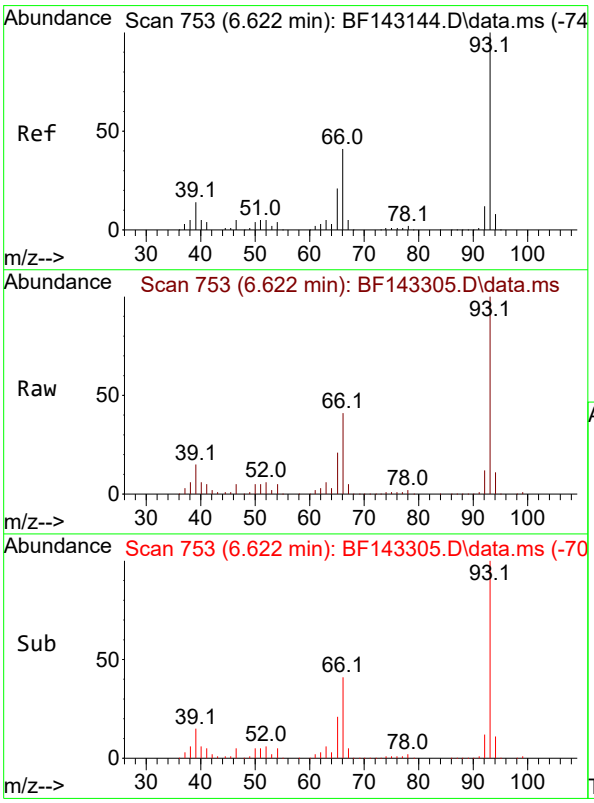
#5
2-Fluorophenol
Concen: 79.512 ng
RT: 5.593 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 568417

Ion	Ratio	Lower	Upper
112	100		
64	63.9	53.1	79.7
63	31.9	26.6	40.0

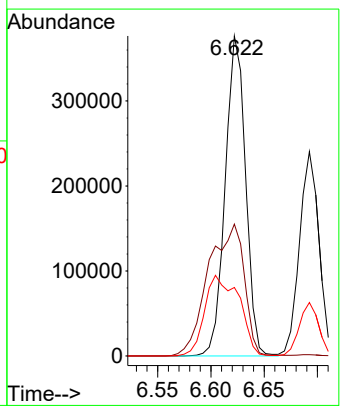


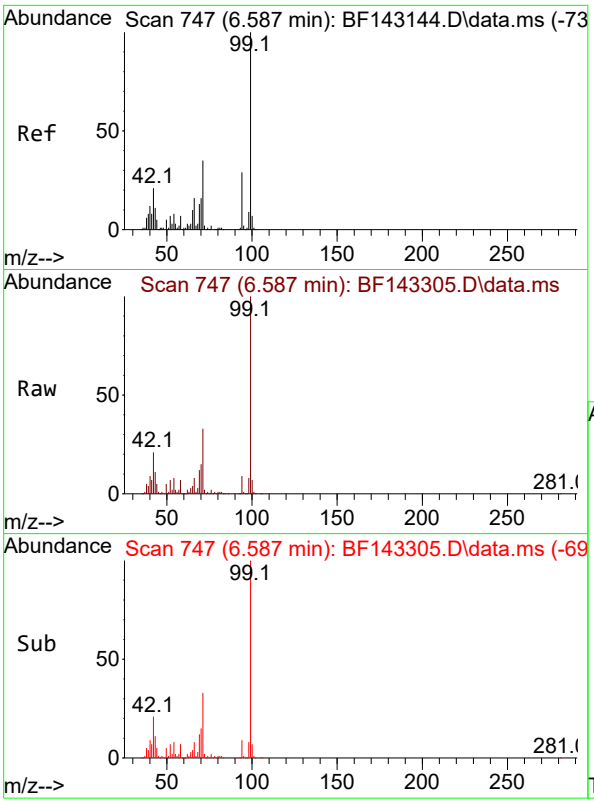


#6
Aniline
Concen: 39.906 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 93 Resp: 500443

Ion	Ratio	Lower	Upper
93	100		
66	41.2	33.2	49.8
65	21.4	16.9	25.3



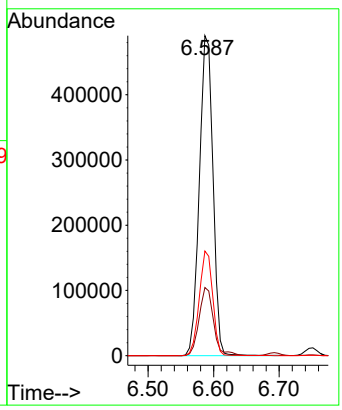


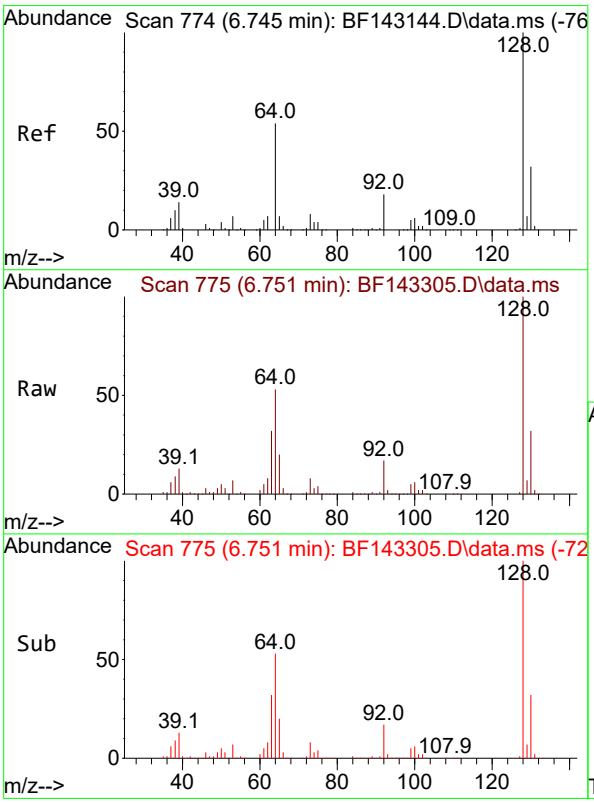
#7
Phenol-d6
Concen: 78.974 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 710622

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	32.7	27.7	41.5

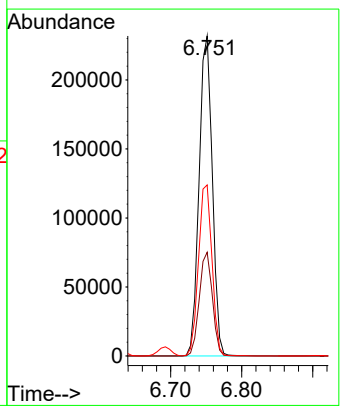


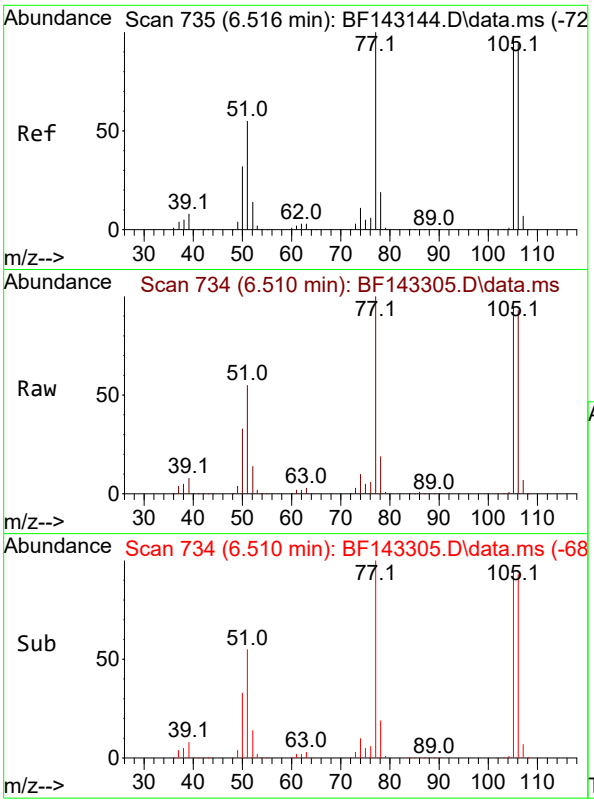


#8
2-Chlorophenol
Concen: 40.127 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:128 Resp: 300692

Ion	Ratio	Lower	Upper
128	100		
130	32.4	12.3	52.3
64	53.4	35.9	75.9



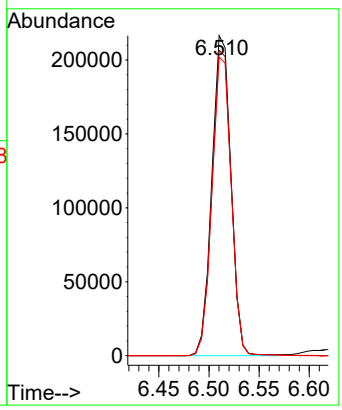


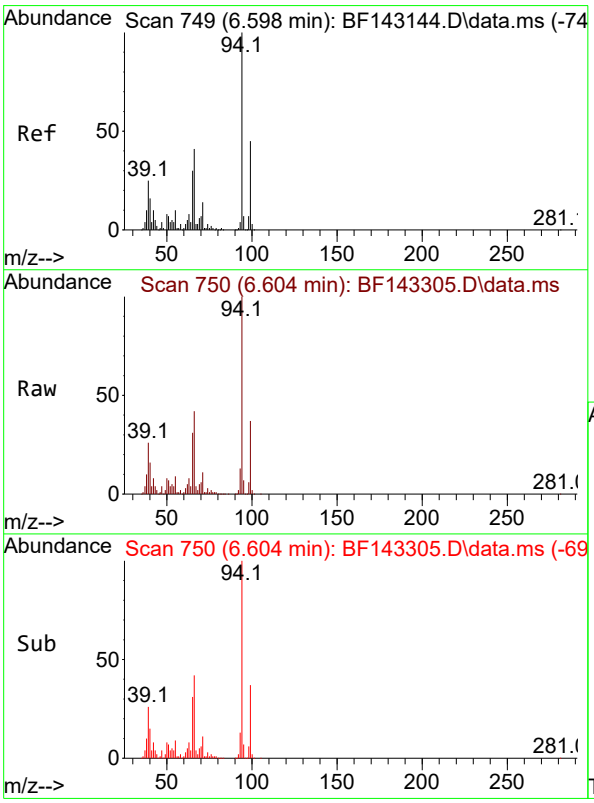
#9
Benzaldehyde
Concen: 42.378 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 285940

Ion	Ratio	Lower	Upper
77	100		
105	95.5	76.8	116.8
106	93.3	74.4	114.4

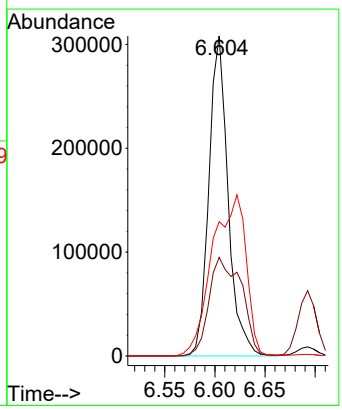


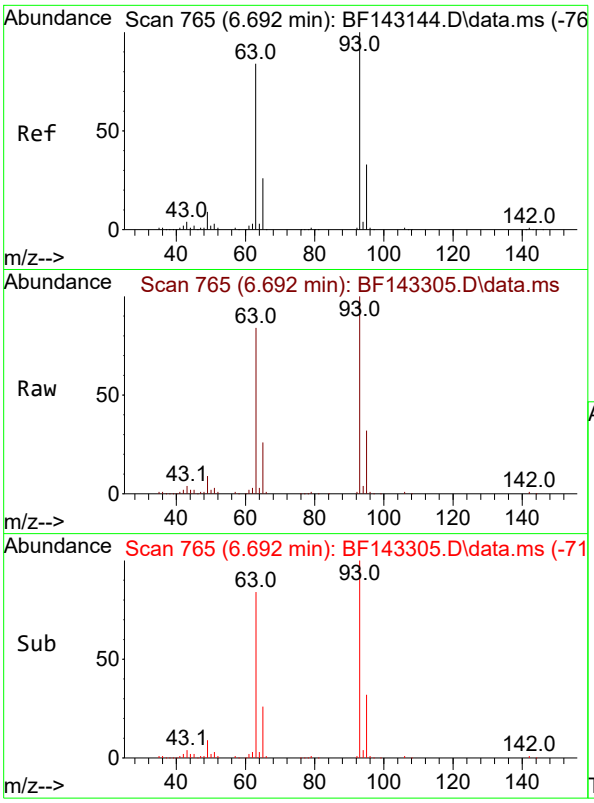


#10
Phenol
Concen: 41.874 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 94 Resp: 410472

Ion	Ratio	Lower	Upper
94	100		
65	30.8	10.0	50.0
66	42.0	20.8	60.8



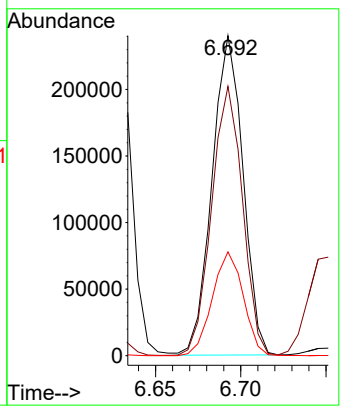


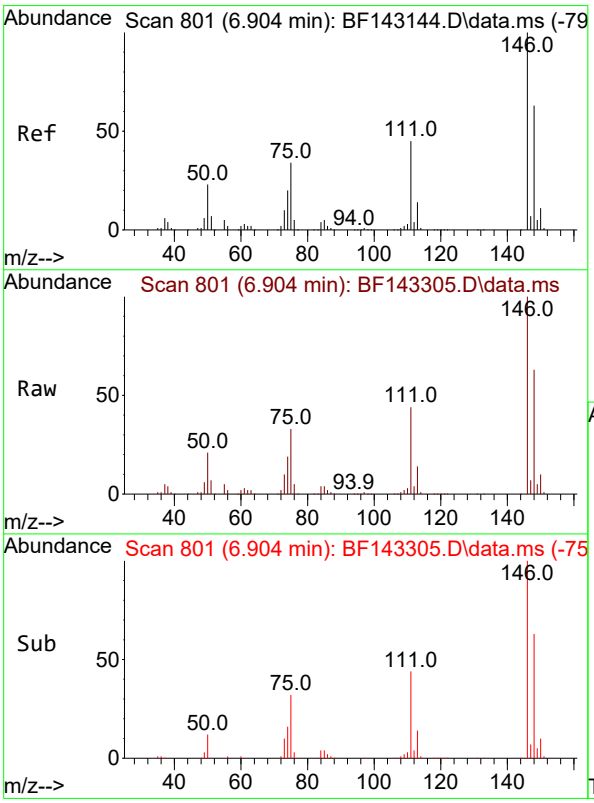
#11
bis(2-Chloroethyl)ether
Concen: 40.309 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 302536

Ion	Ratio	Lower	Upper
93	100		
63	84.1	63.4	103.4
95	32.4	12.4	52.4

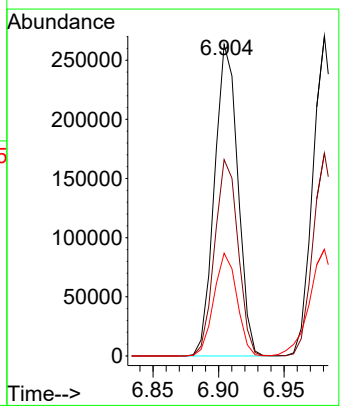


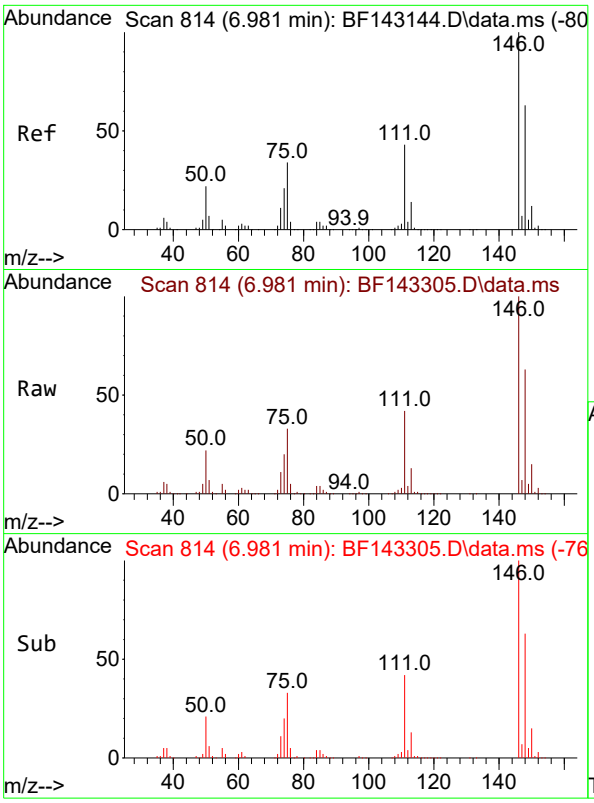


#12
1,3-Dichlorobenzene
Concen: 40.035 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:146 Resp: 325898

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.6	76.0
75	33.0	27.4	41.2



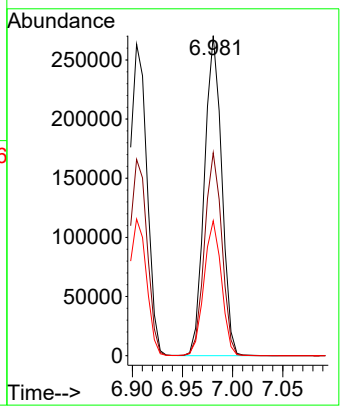


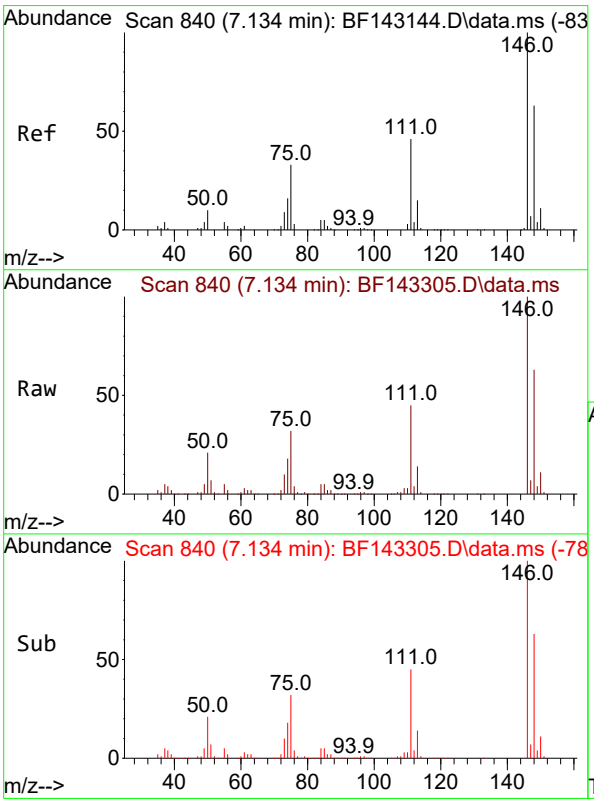
#13
1,4-Dichlorobenzene
Concen: 39.782 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 326121

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.3	75.5
111	42.1	34.4	51.6

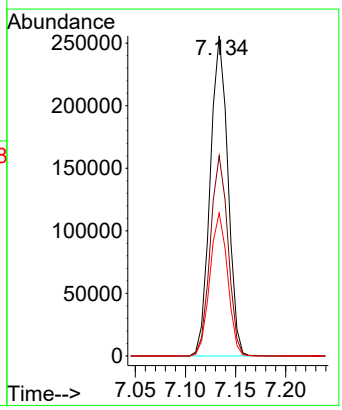


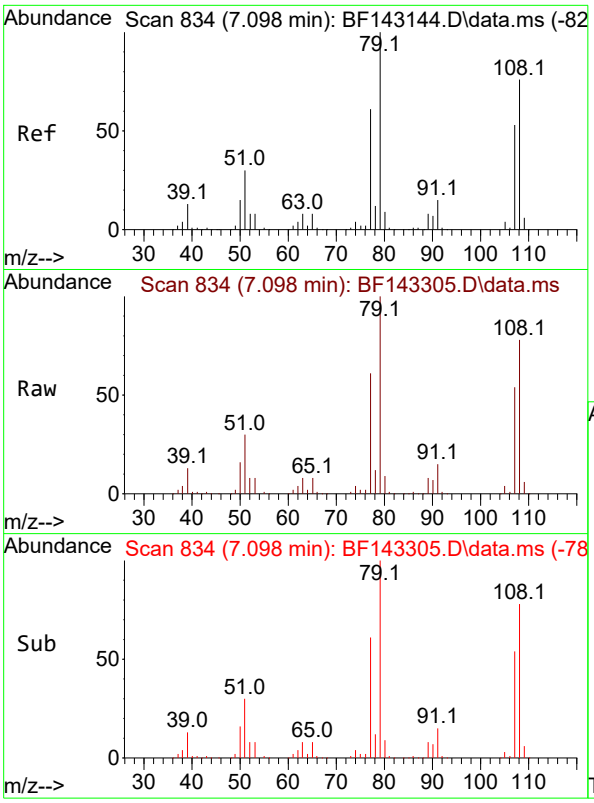


#14
1,2-Dichlorobenzene
Concen: 40.219 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:146 Resp: 313591

Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.7	76.1
111	44.6	36.6	54.8



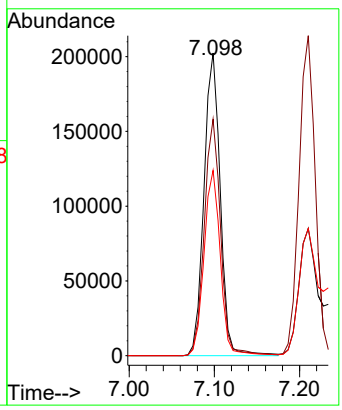


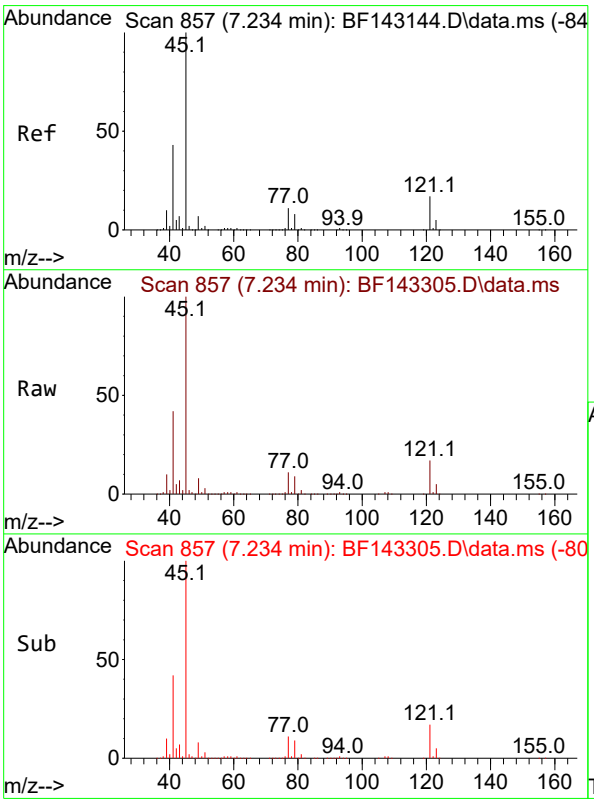
#15
Benzyl Alcohol
Concen: 39.216 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 269432

Ion	Ratio	Lower	Upper
79	100		
108	78.1	61.1	91.7
77	61.2	48.9	73.3

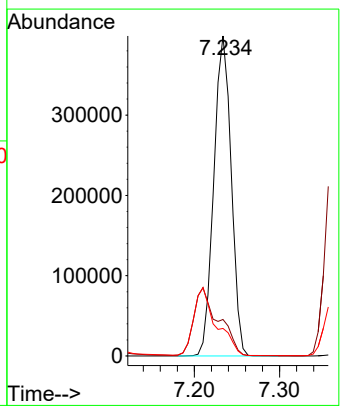


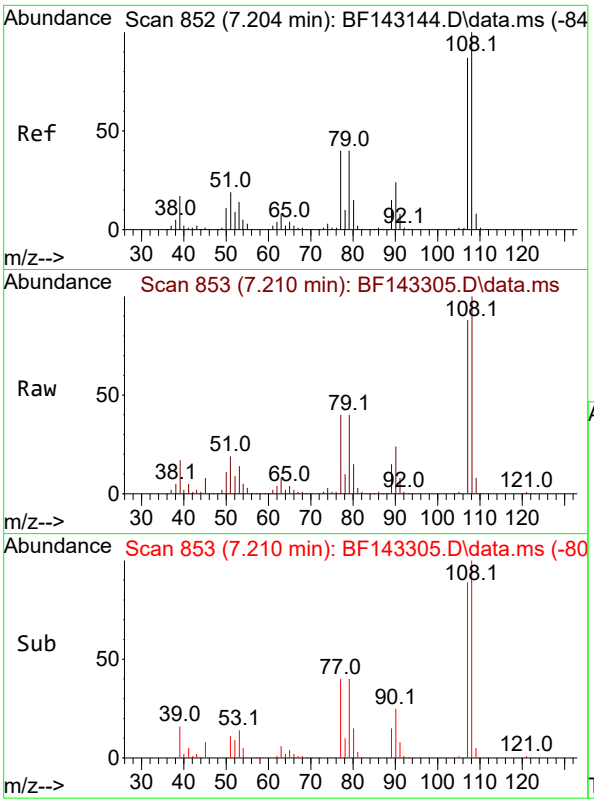


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.606 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 45 Resp: 565350

Ion	Ratio	Lower	Upper
45	100		
77	11.4	0.0	31.2
79	8.6	0.0	28.5



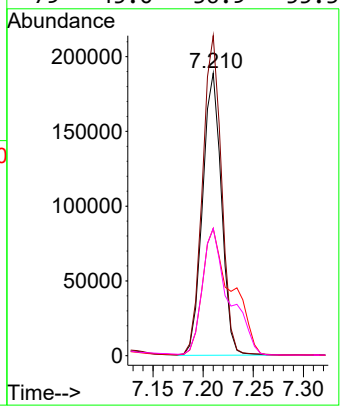


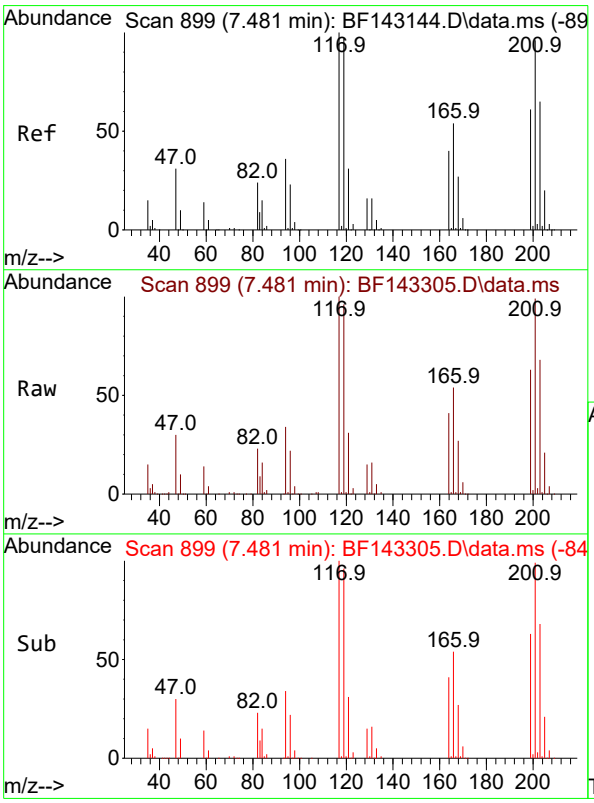
#17
2-Methylphenol
Concen: 39.288 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 247541

Ion	Ratio	Lower	Upper
107	100		
108	113.2	91.8	137.6
77	45.0	37.0	55.6
79	45.0	36.9	55.3

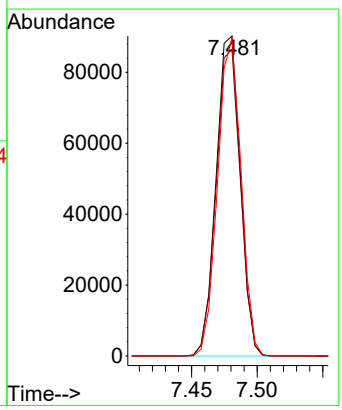


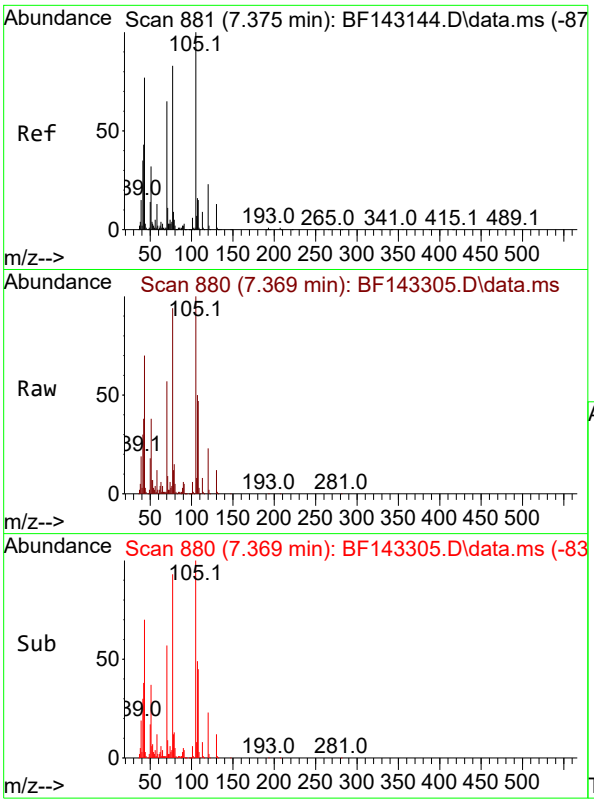


#18
Hexachloroethane
Concen: 40.705 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:117 Resp: 115517

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.8	116.8
201	99.4	77.0	115.4



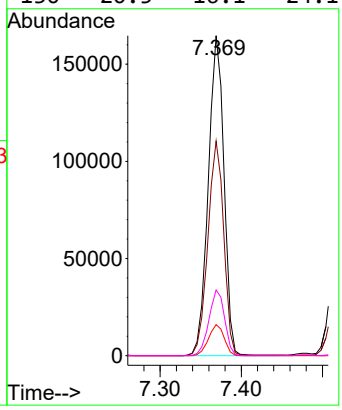


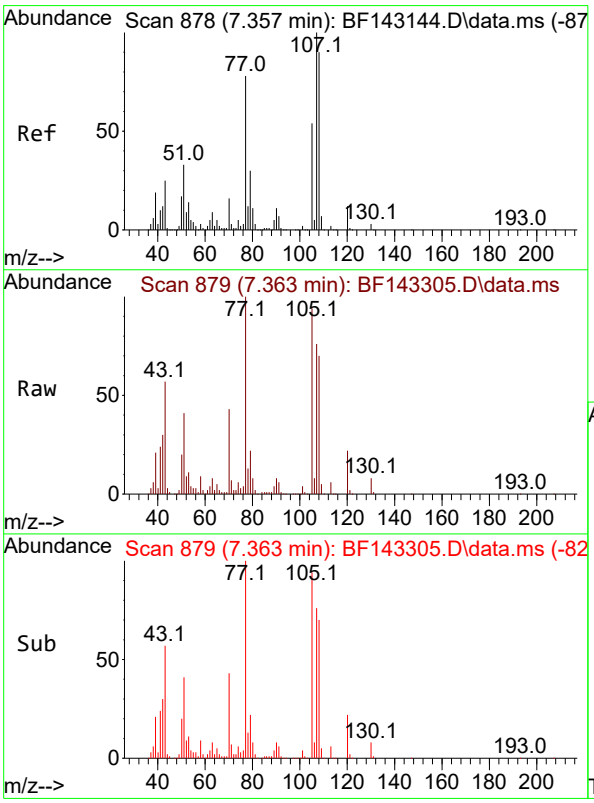
#19
n-Nitroso-di-n-propylamine
Concen: 38.282 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 220998

Ion	Ratio	Lower	Upper
70	100		
42	67.1	52.5	78.7
101	9.7	7.6	11.4
130	20.5	16.1	24.1

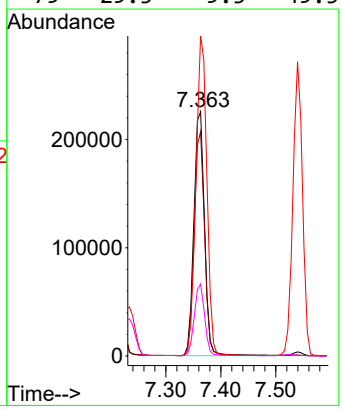


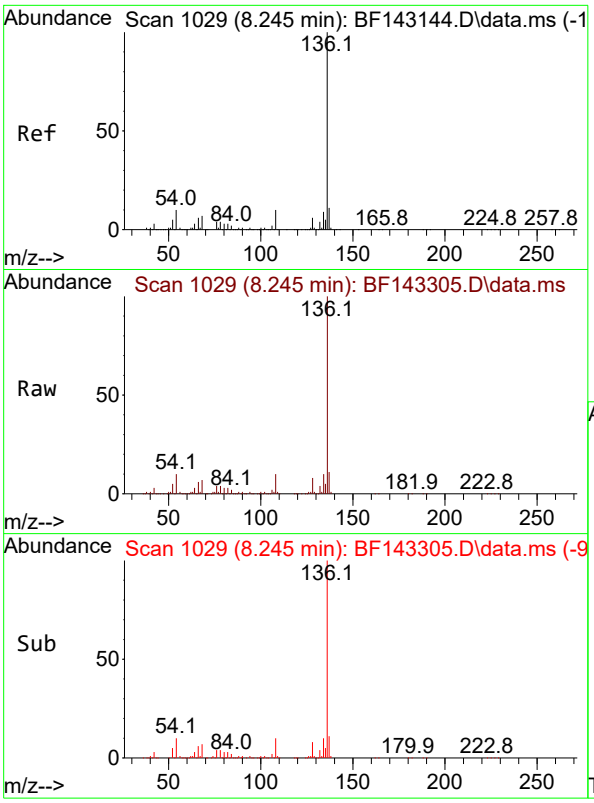


#20
3+4-Methylphenols
Concen: 39.579 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:107 Resp: 302555

Ion	Ratio	Lower	Upper
107	100		
108	91.8	70.0	110.0
77	131.0	57.8	97.8#
79	29.5	9.5	49.5



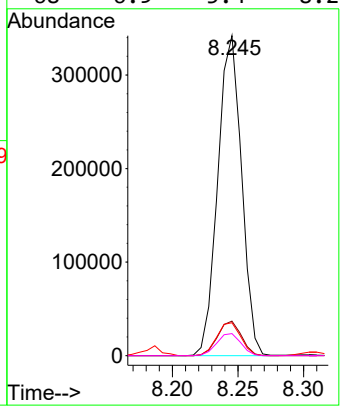


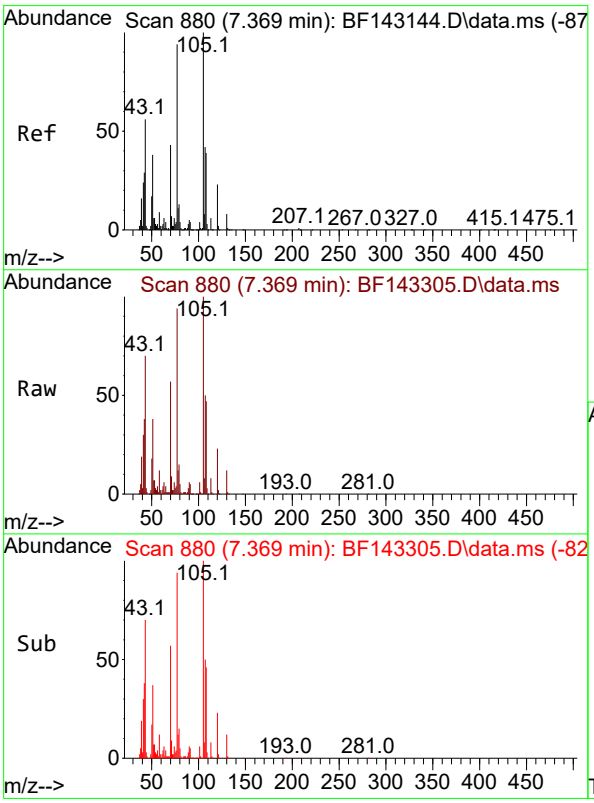
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 431458

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.3	8.2	12.2
68	6.9	5.4	8.2

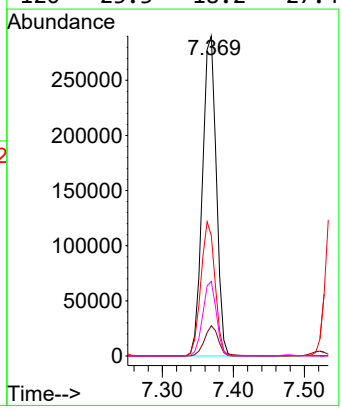


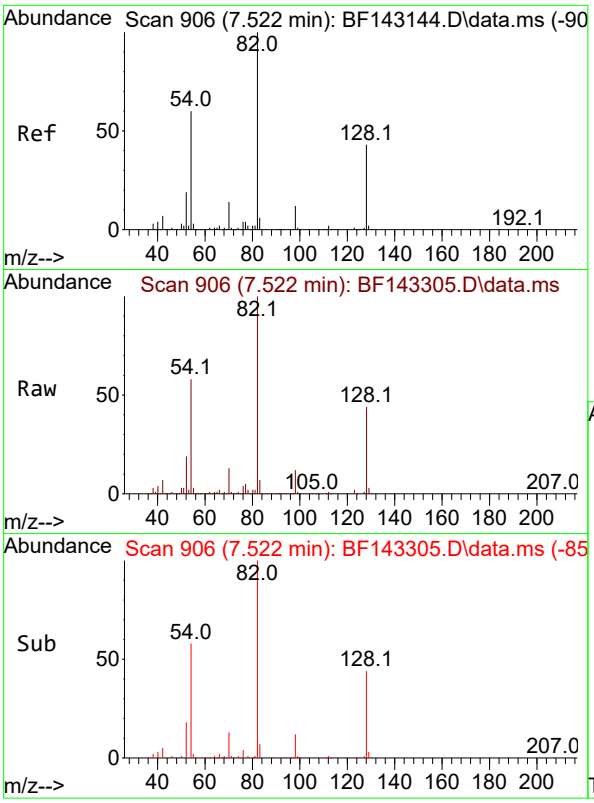


#22
Acetophenone
Concen: 38.628 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:105 Resp: 394575

Ion	Ratio	Lower	Upper
105	100		
71	9.5	5.8	8.6#
51	37.6	30.2	45.2
120	23.3	18.2	27.4



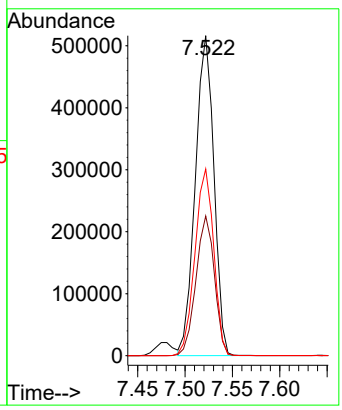


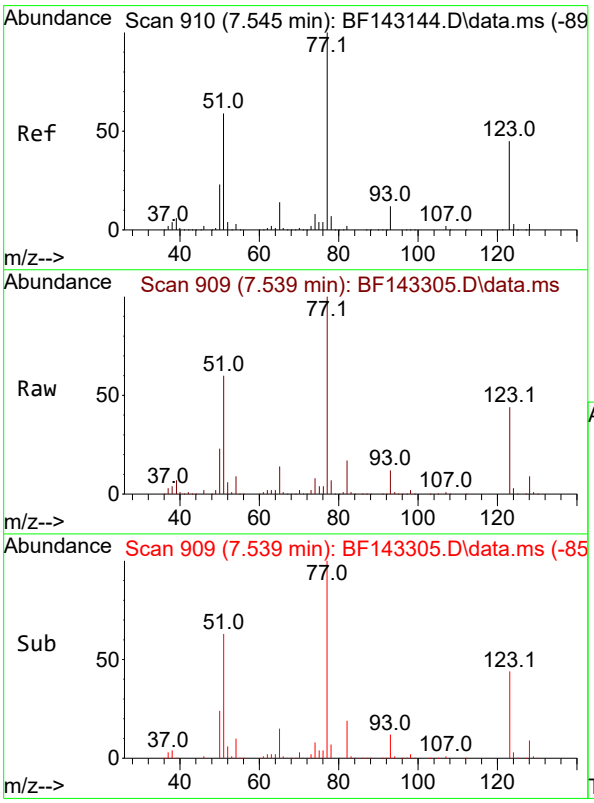
#23
Nitrobenzene-d5
Concen: 81.610 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 706383

Ion	Ratio	Lower	Upper
82	100		
128	43.7	33.6	50.4
54	58.3	47.1	70.7

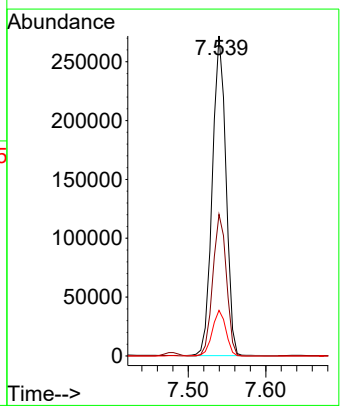


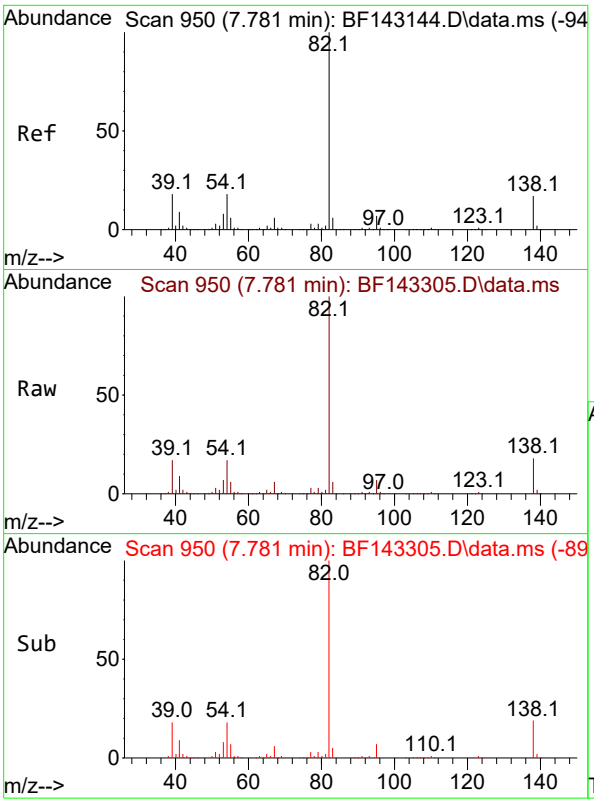


#24
Nitrobenzene
Concen: 41.008 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 77 Resp: 330922

Ion	Ratio	Lower	Upper
77	100		
123	44.3	36.1	54.1
65	14.2	11.4	17.2



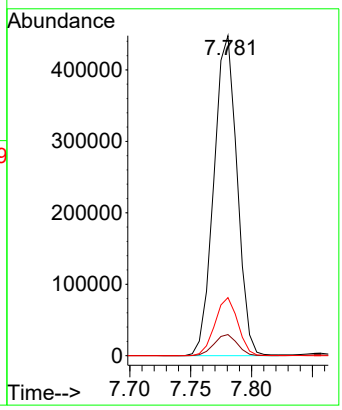


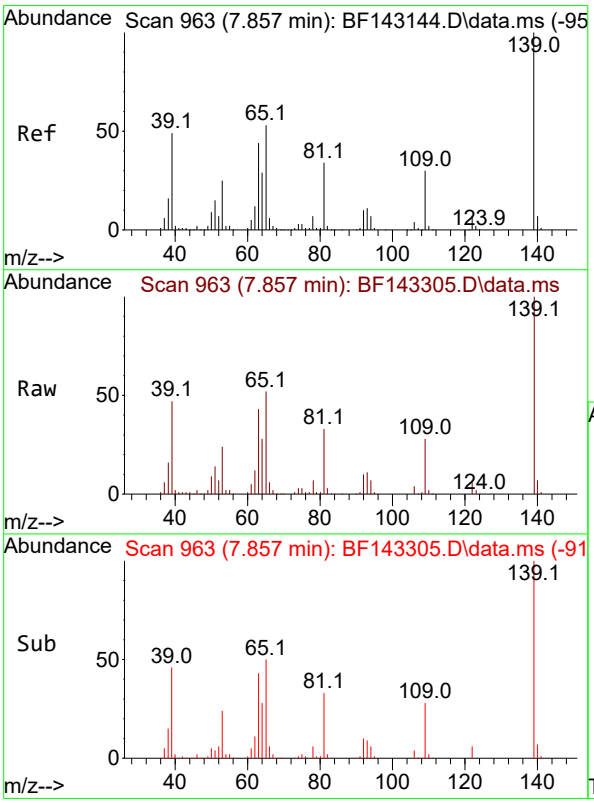
#25
Isophorone
Concen: 38.953 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 595203

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	18.2	13.8	20.8

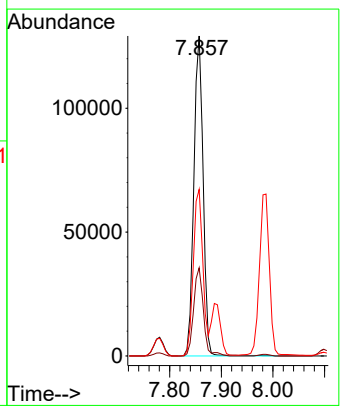


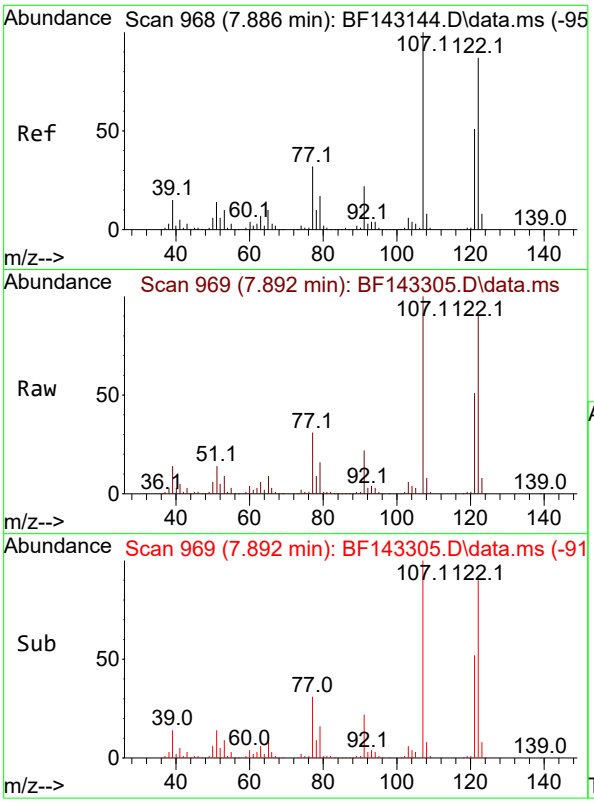


#26
2-Nitrophenol
Concen: 45.979 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:139 Resp: 161031

Ion	Ratio	Lower	Upper
139	100		
109	27.5	23.6	35.4
65	52.1	42.6	64.0



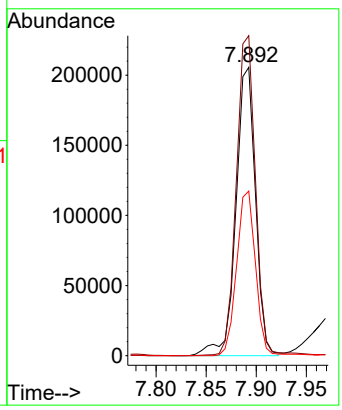


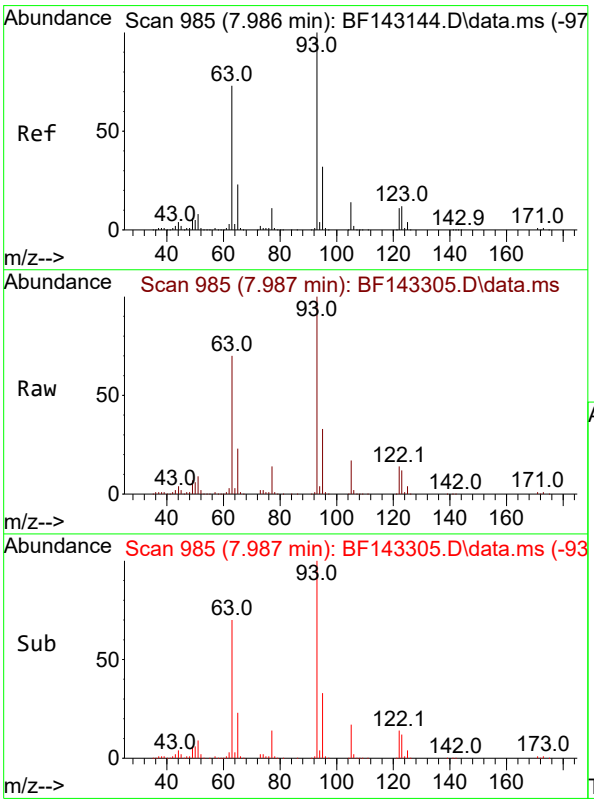
#27
2,4-Dimethylphenol
Concen: 39.176 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 279672

Ion	Ratio	Lower	Upper
122	100		
107	111.0	91.8	137.6
121	57.1	46.3	69.5

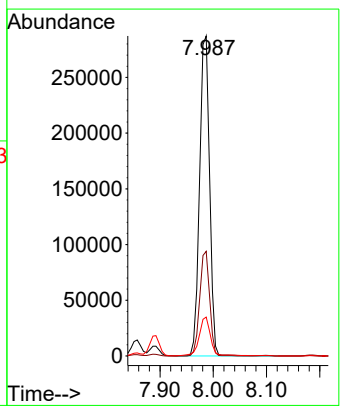


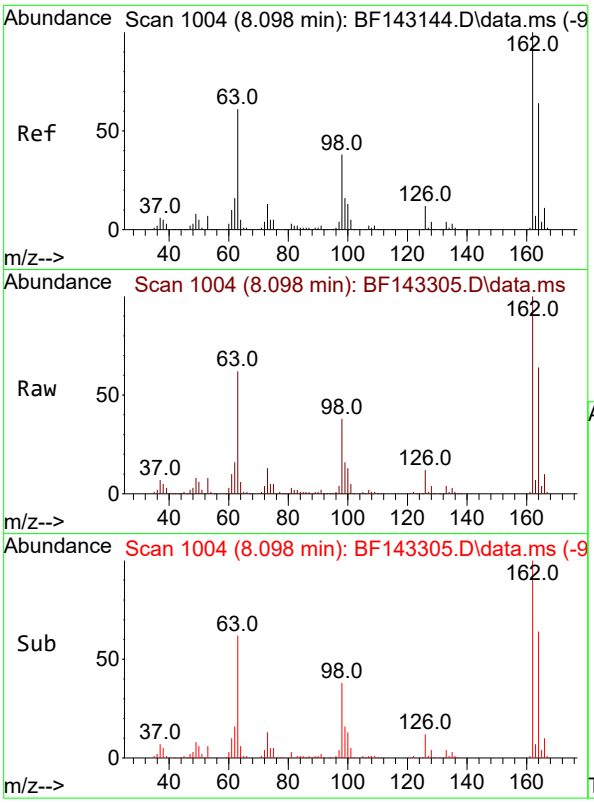


#28
bis(2-Chloroethoxy)methane
Concen: 40.769 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 93 Resp: 373502

Ion	Ratio	Lower	Upper
93	100		
95	32.7	25.8	38.6
123	12.1	9.7	14.5



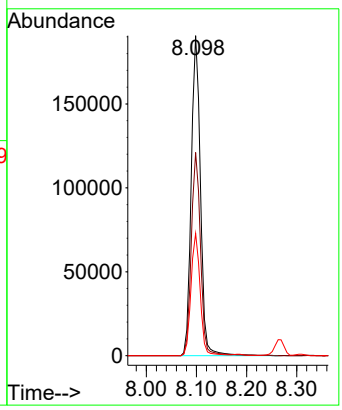


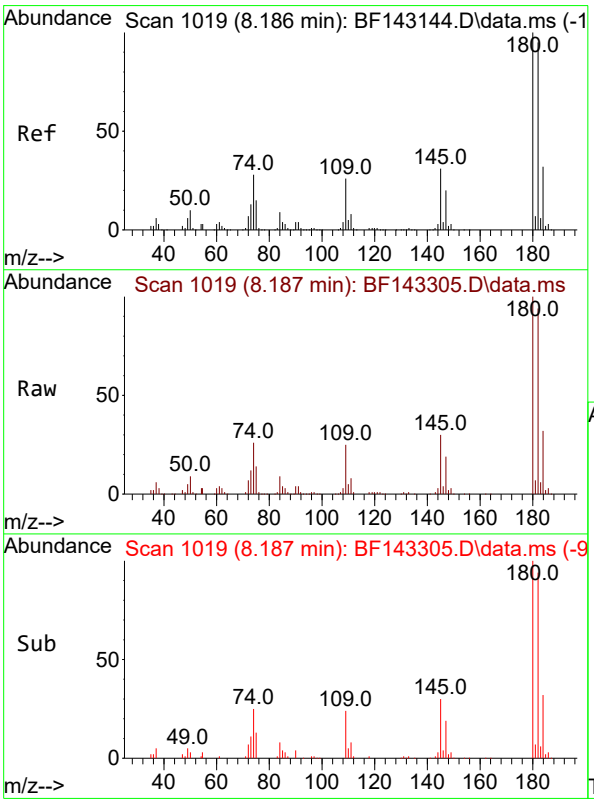
#29
2,4-Dichlorophenol
Concen: 40.457 ng
RT: 8.098 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 243569

Ion	Ratio	Lower	Upper
162	100		
164	63.5	44.2	84.2
98	38.2	17.9	57.9

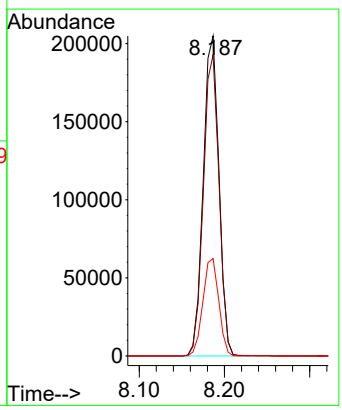


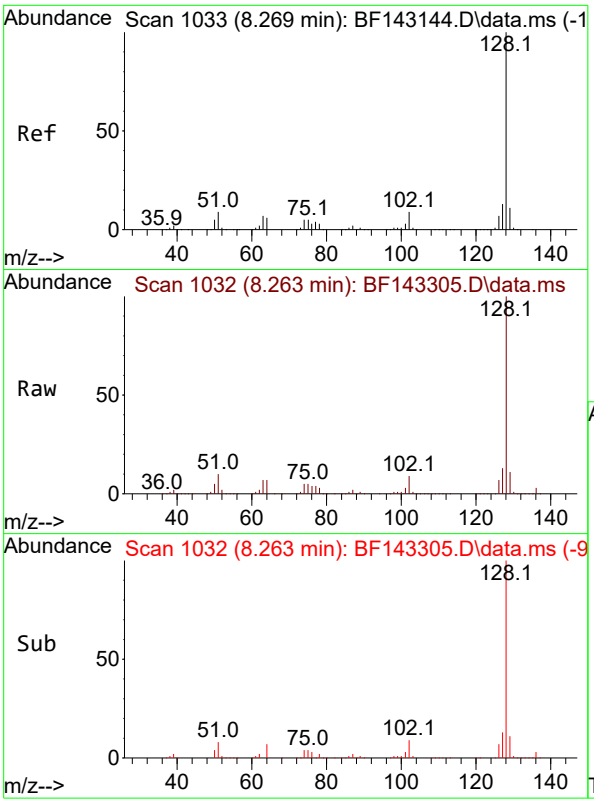


#30
1,2,4-Trichlorobenzene
Concen: 40.279 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:180 Resp: 261981

Ion	Ratio	Lower	Upper
180	100		
182	94.0	76.2	114.2
145	30.4	25.0	37.6



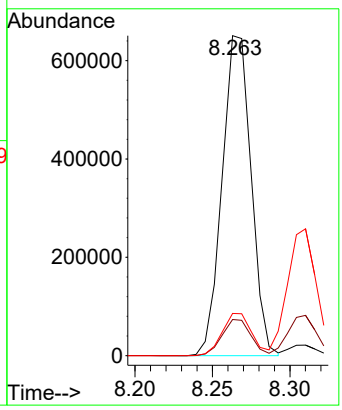


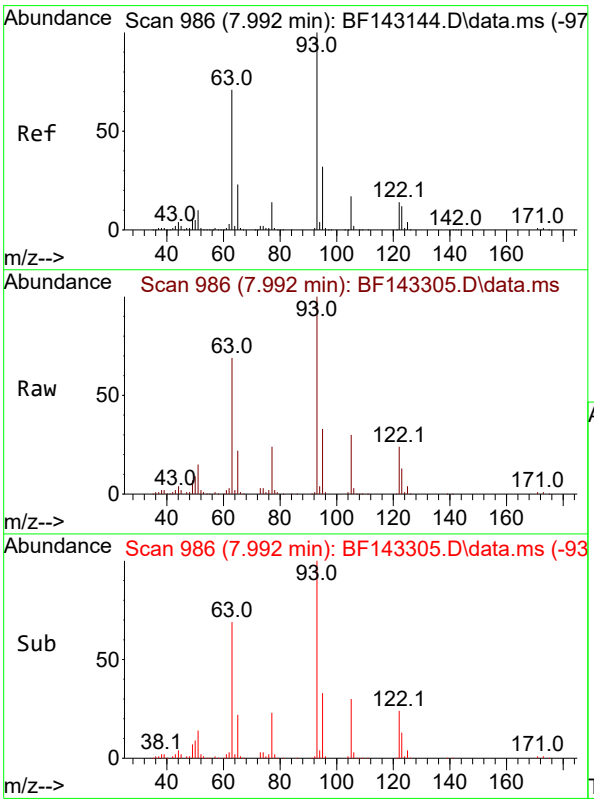
#31
Naphthalene
Concen: 39.867 ng
RT: 8.263 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 847127

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.2	10.6	16.0

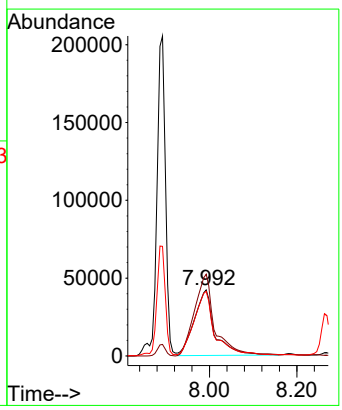


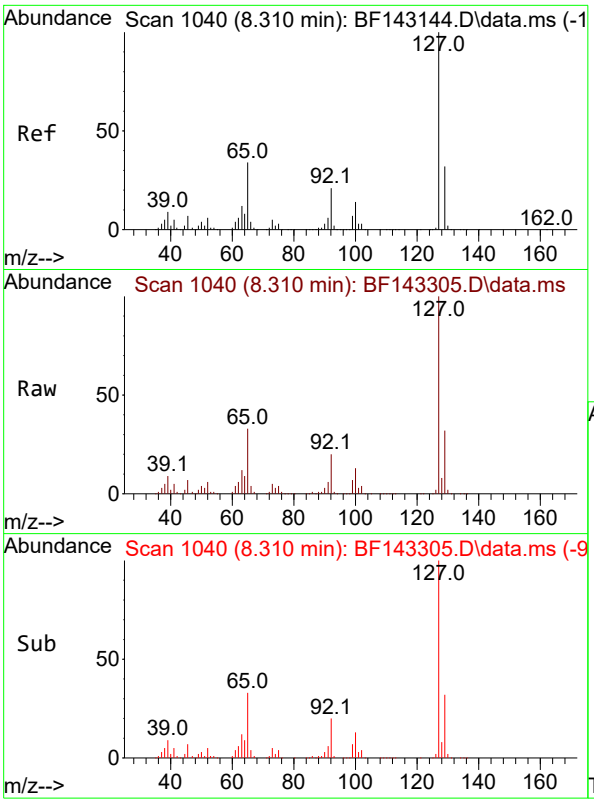


#32
Benzoic acid
Concen: 35.679 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:122 Resp: 137490

Ion	Ratio	Lower	Upper
122	100		
105	123.8	104.8	144.8
77	97.9	77.6	117.6



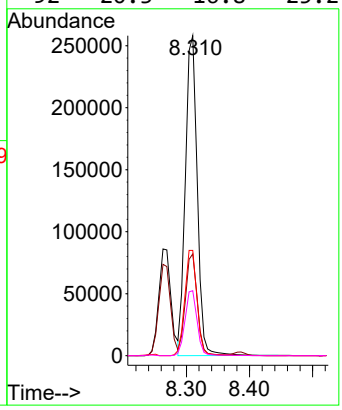


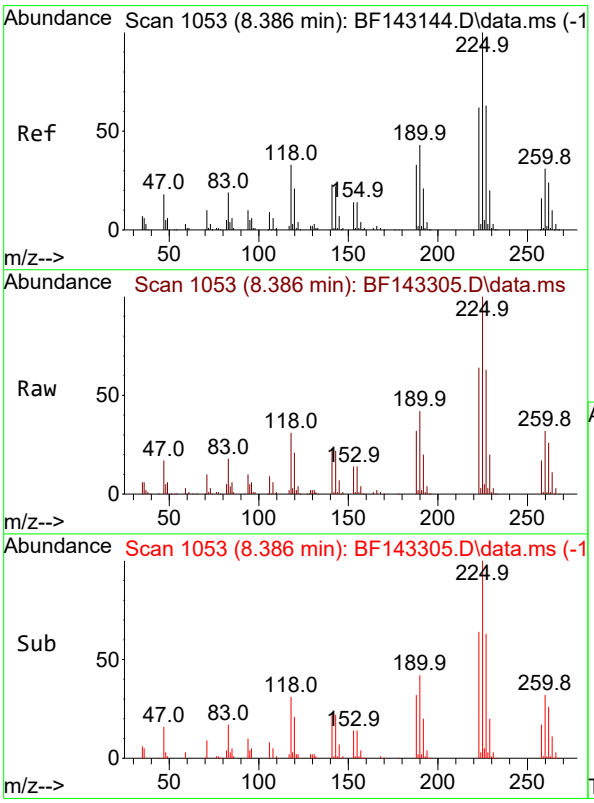
#33
4-Chloroaniline
Concen: 39.017 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 338525

Ion	Ratio	Lower	Upper
127	100		
129	31.8	26.0	39.0
65	32.9	27.4	41.2
92	20.3	16.8	25.2

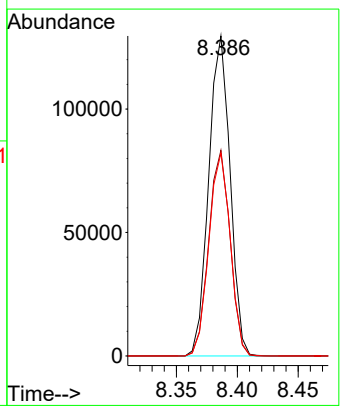


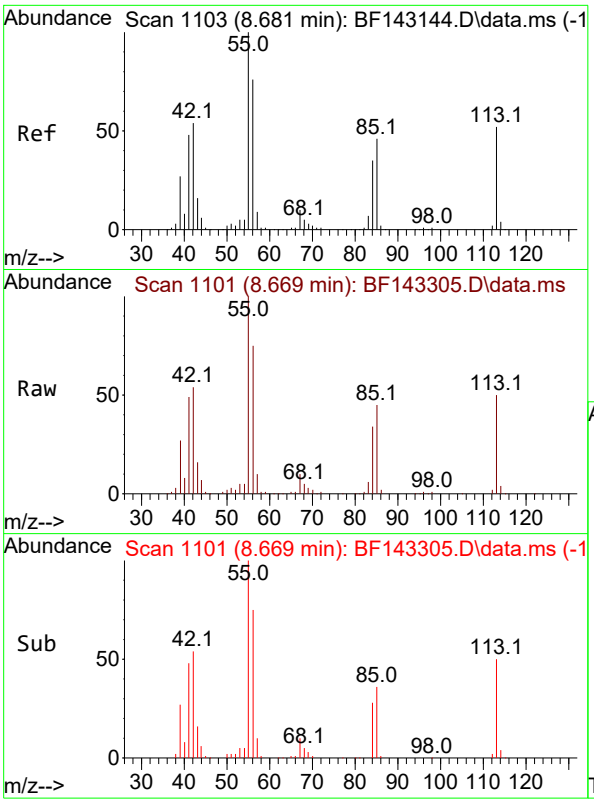


#34
Hexachlorobutadiene
Concen: 39.813 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:225 Resp: 158189

Ion	Ratio	Lower	Upper
225	100		
223	64.2	49.8	74.6
227	63.4	50.2	75.4



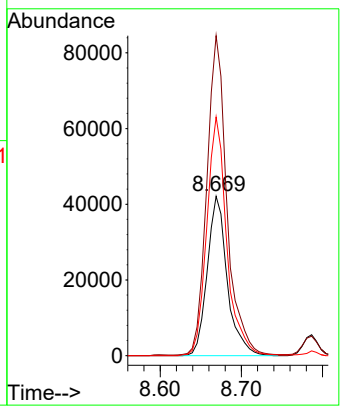


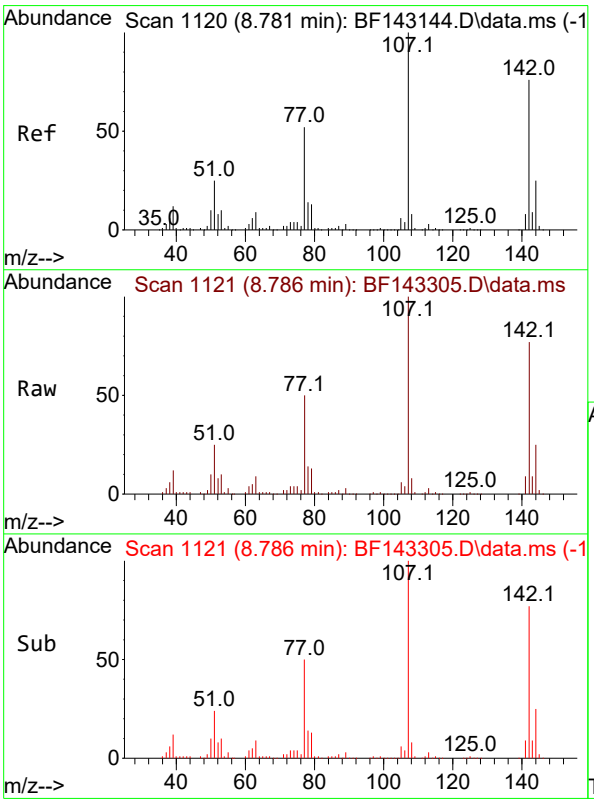
#35
Caprolactam
Concen: 39.552 ng
RT: 8.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 71956

Ion	Ratio	Lower	Upper
113	100		
55	200.8	174.0	214.0
56	149.8	126.6	166.6

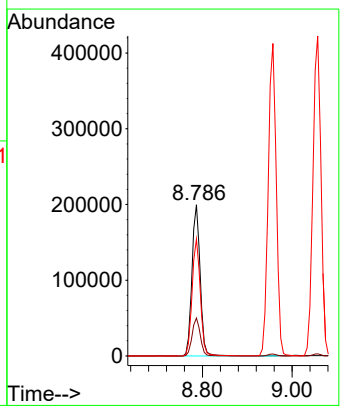


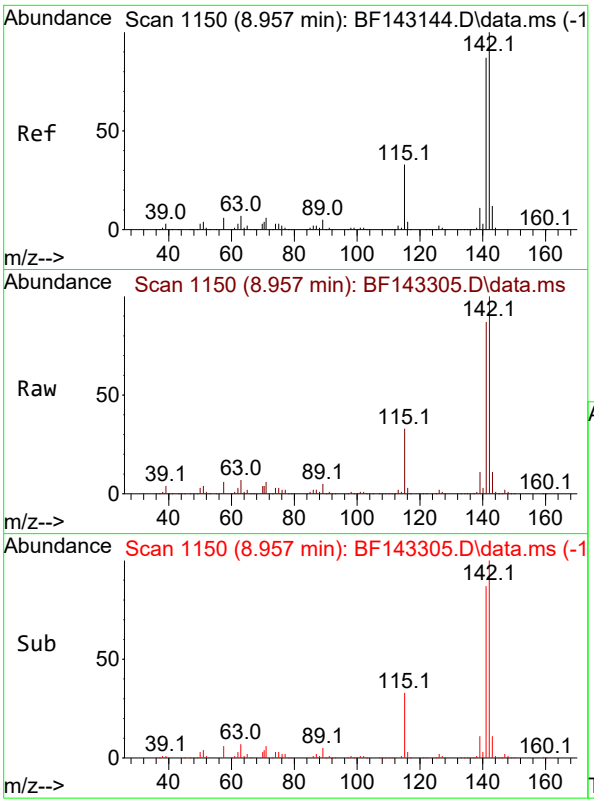


#36
4-Chloro-3-methylphenol
Concen: 38.936 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:107 Resp: 254785

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.8	29.6
142	77.4	60.6	90.8



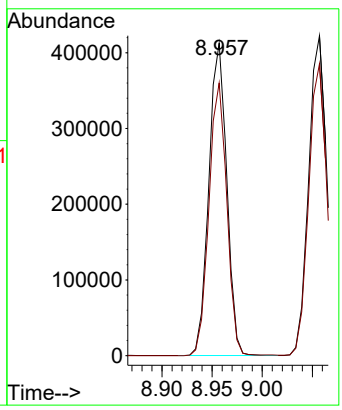


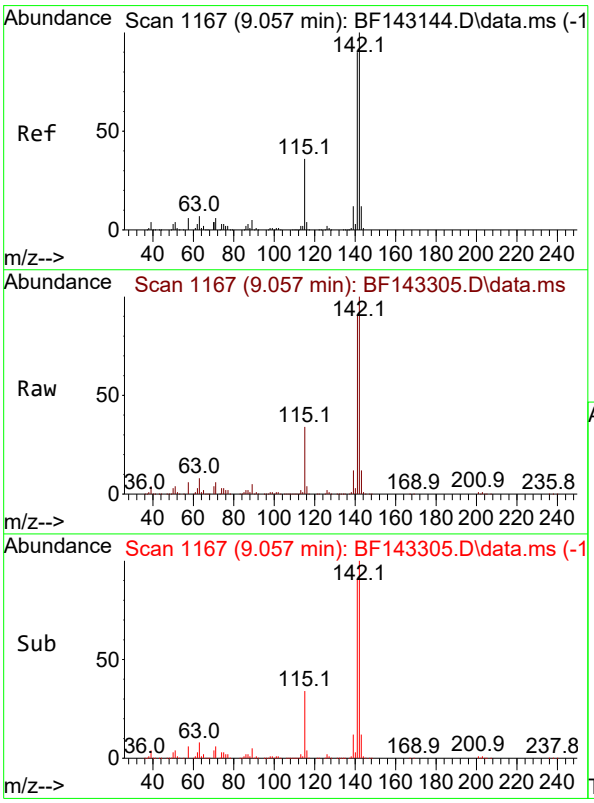
#37
2-Methylnaphthalene
Concen: 39.633 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 512465

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.9	104.9

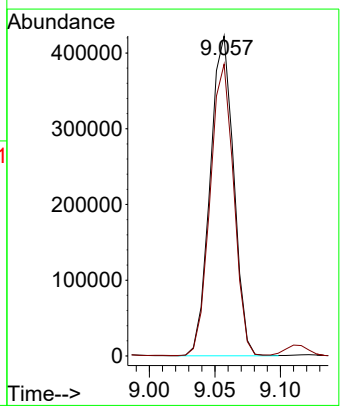


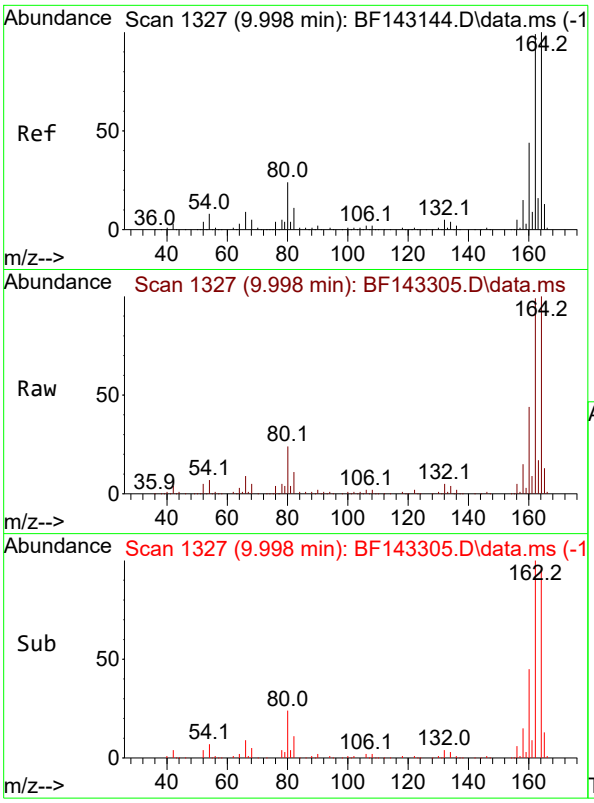


#38
1-Methylnaphthalene
Concen: 39.623 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:142 Resp: 527577

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.3	108.5



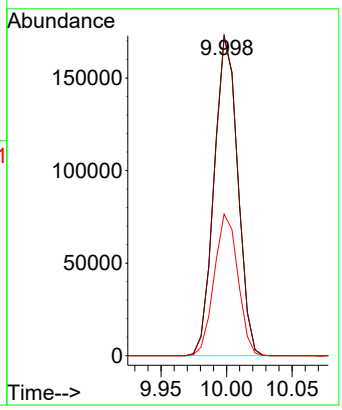


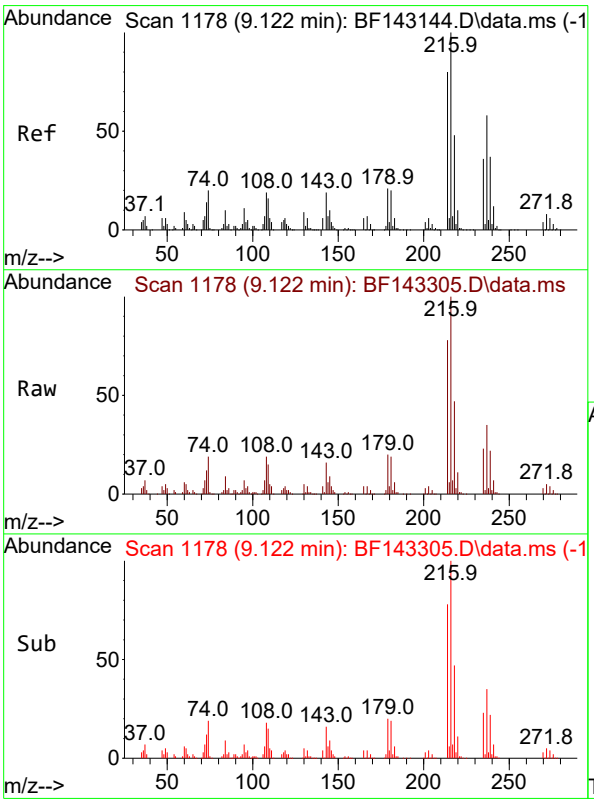
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 216118

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.0	118.6
160	44.2	35.1	52.7

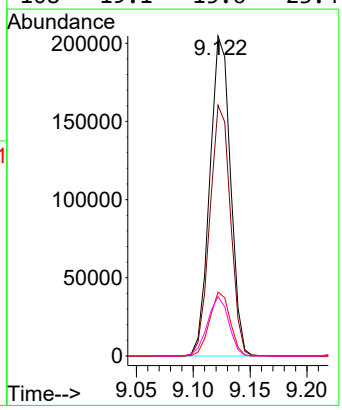


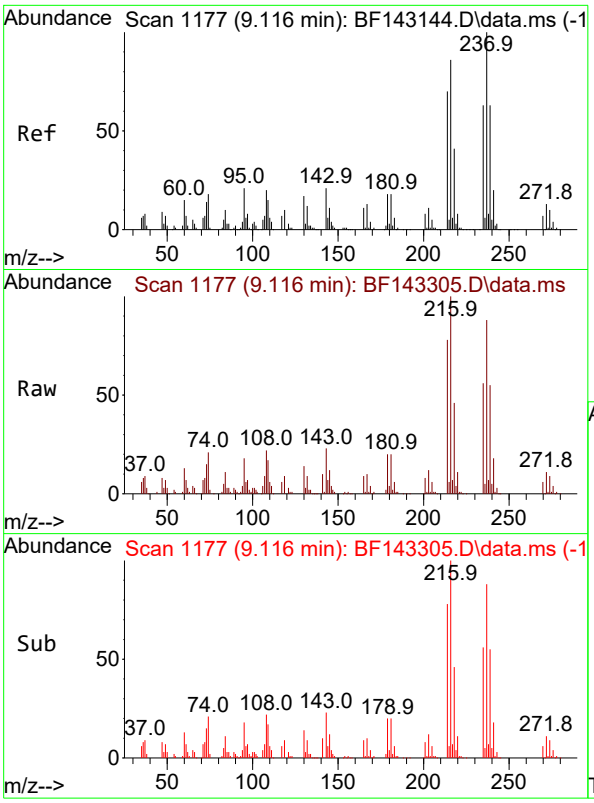


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.479 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:216 Resp: 258812

Ion	Ratio	Lower	Upper
216	100		
214	78.1	63.8	95.8
179	19.8	16.4	24.6
108	19.1	15.6	23.4



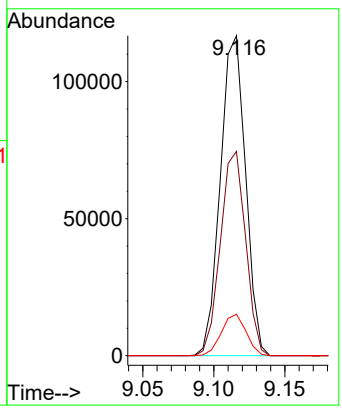


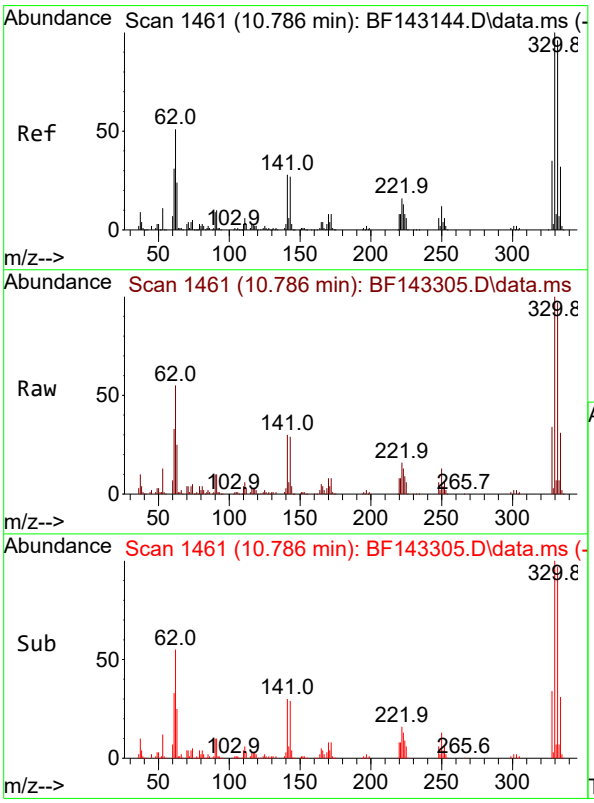
#41
Hexachlorocyclopentadiene
Concen: 35.515 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 144189

Ion	Ratio	Lower	Upper
237	100		
235	63.8	43.0	83.0
272	13.0	0.0	33.3

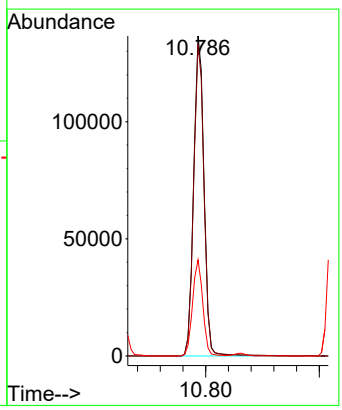


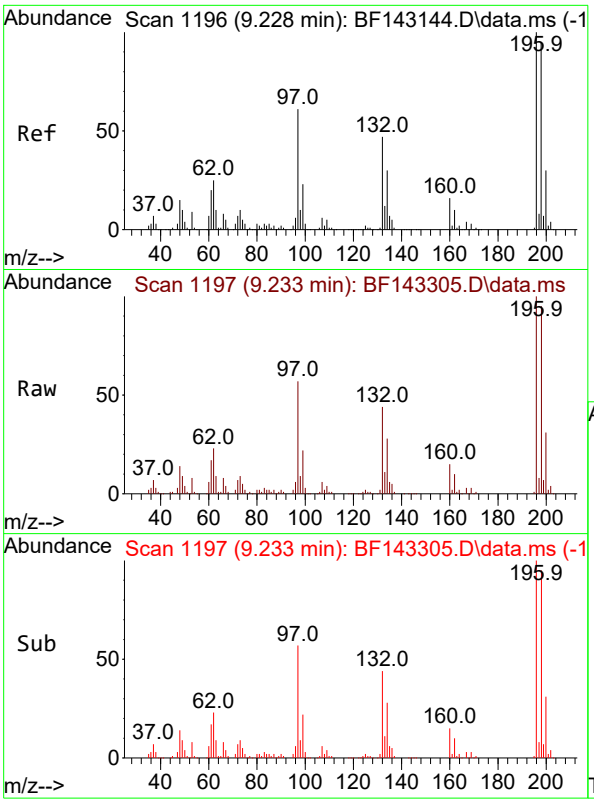


#42
2,4,6-Tribromophenol
Concen: 77.804 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:330 Resp: 173707

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.7	115.1
141	29.6	23.3	34.9



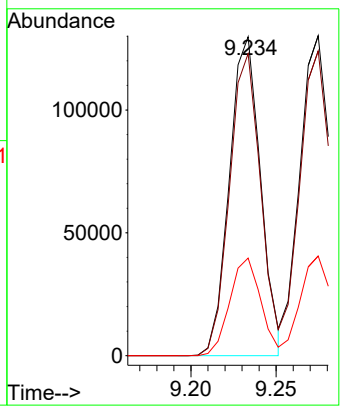


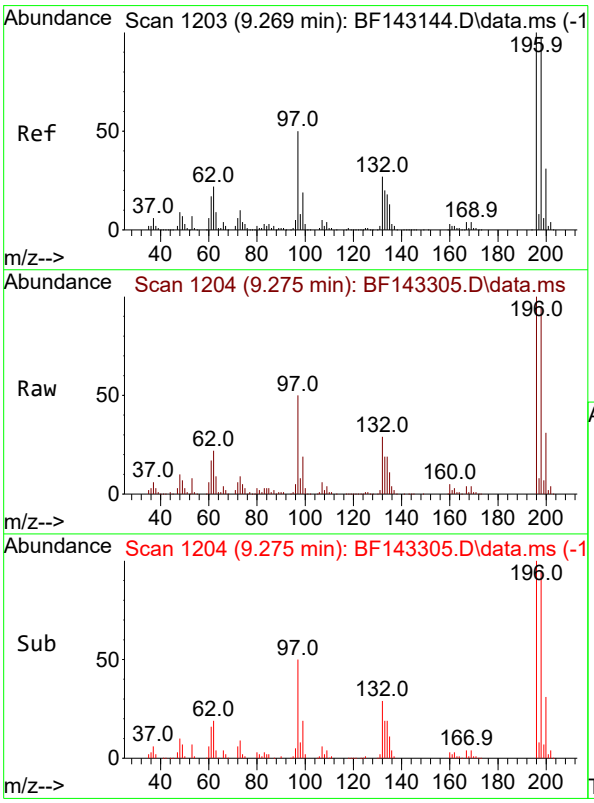
#43
2,4,6-Trichlorophenol
Concen: 38.169 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 164824

Ion	Ratio	Lower	Upper
196	100		
198	94.7	76.2	114.2
200	30.6	23.9	35.9

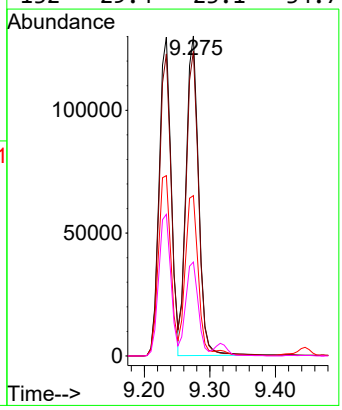


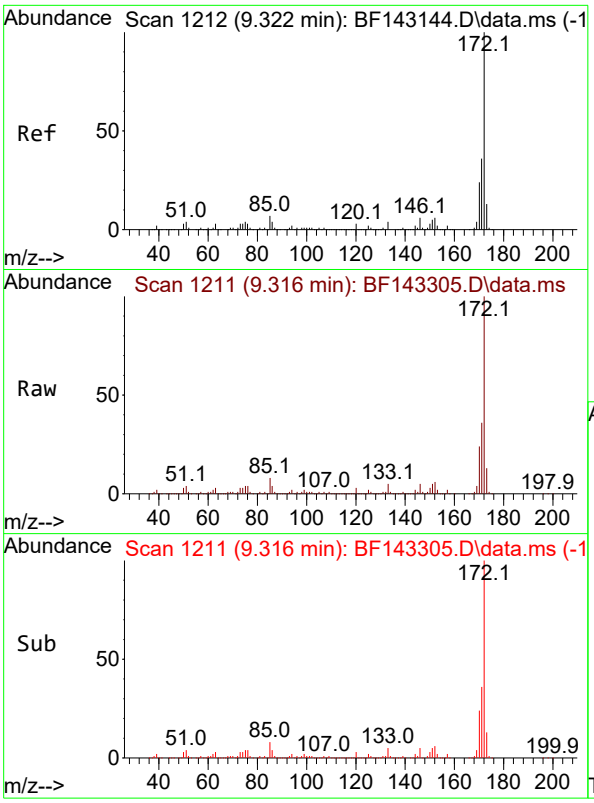


#44
2,4,5-Trichlorophenol
Concen: 40.004 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:196 Resp: 172802

Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.3	115.9
97	50.1	40.3	60.5
132	29.4	23.1	34.7



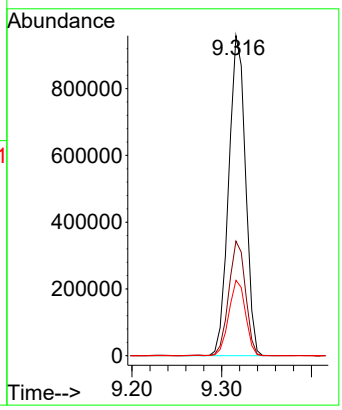


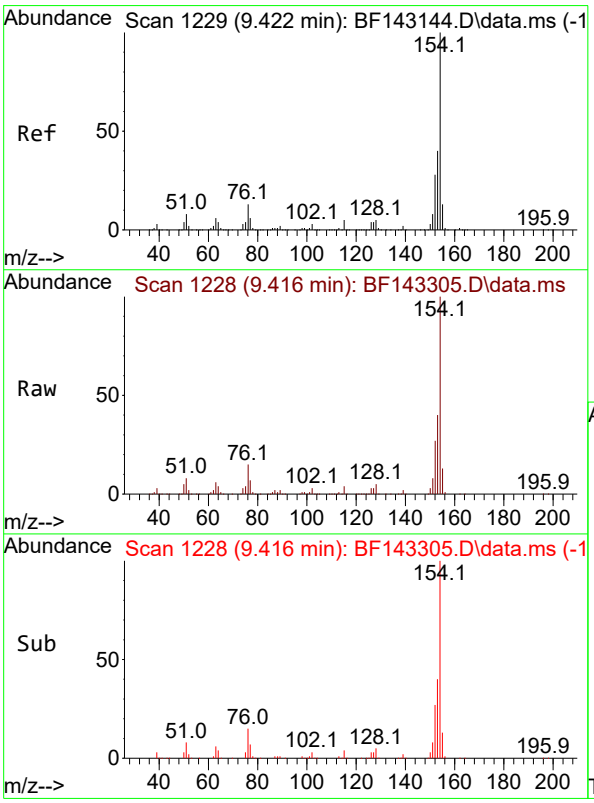
#45
2-Fluorobiphenyl
Concen: 78.589 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1241906

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.6	18.8	28.2

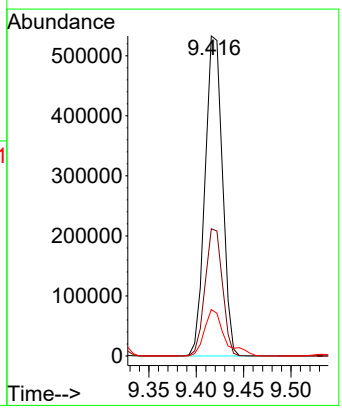


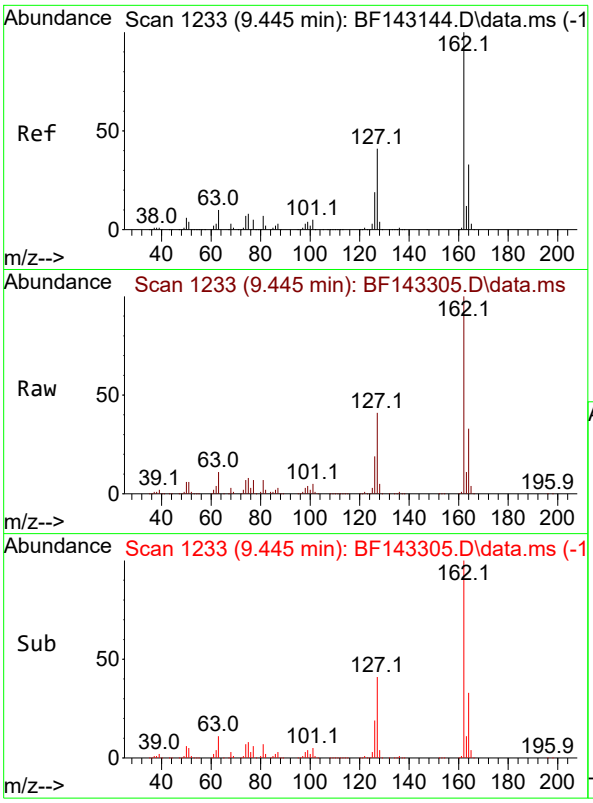


#46
1,1'-Biphenyl
Concen: 40.319 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:154 Resp: 679840

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	14.5	0.0	33.3



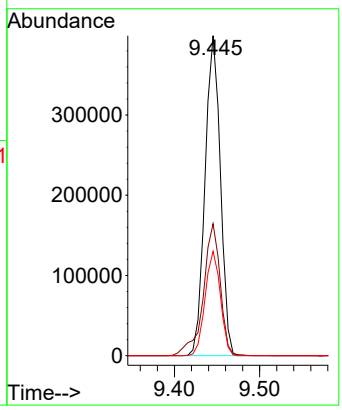


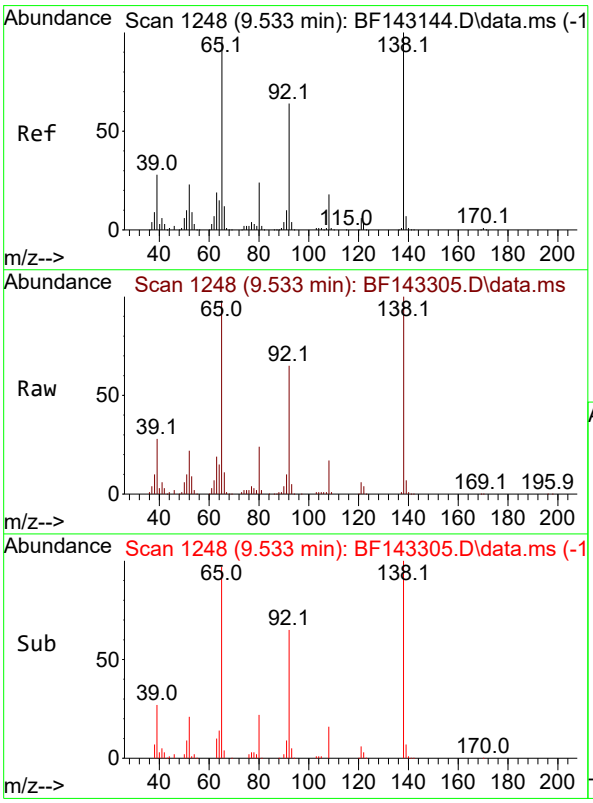
#47
2-Chloronaphthalene
Concen: 39.988 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 498905

Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.4	50.2
164	32.6	26.2	39.2

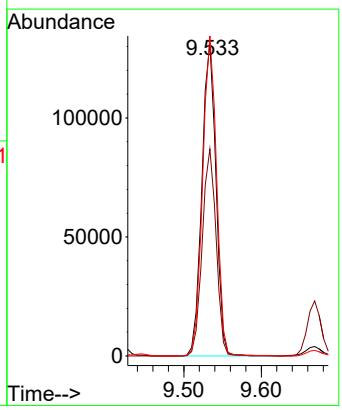


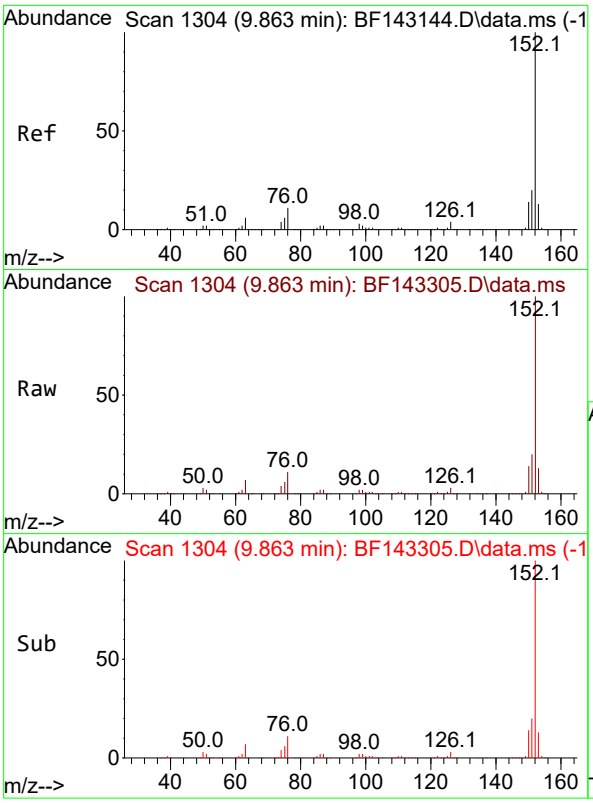


#48
2-Nitroaniline
Concen: 42.396 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion: 65 Resp: 165874

Ion	Ratio	Lower	Upper
65	100		
92	66.2	52.4	78.6
138	102.2	82.3	123.5



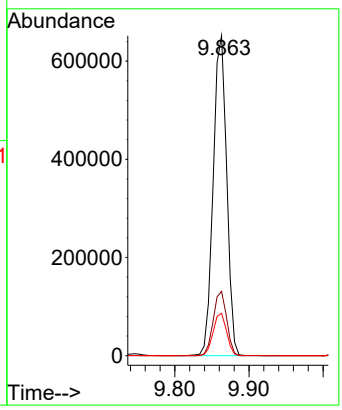


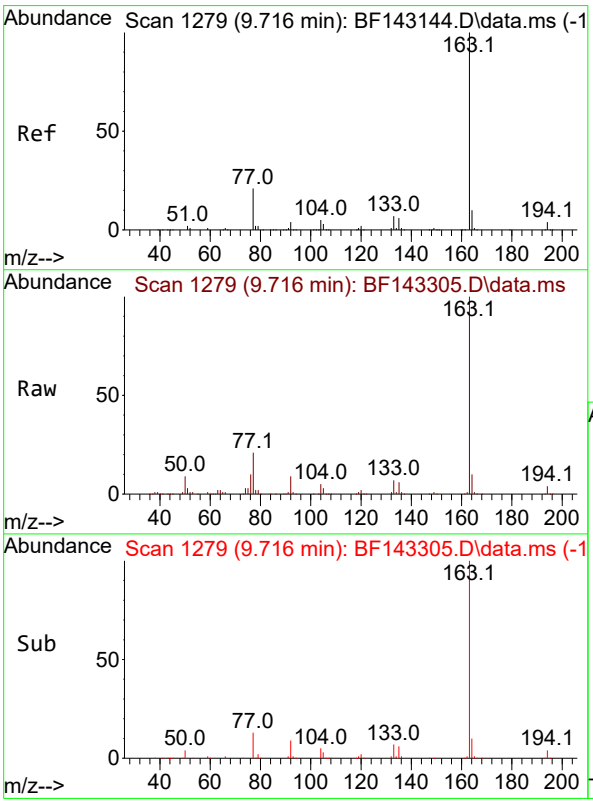
#49
Acenaphthylene
Concen: 39.337 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 822478

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.3	10.6	16.0

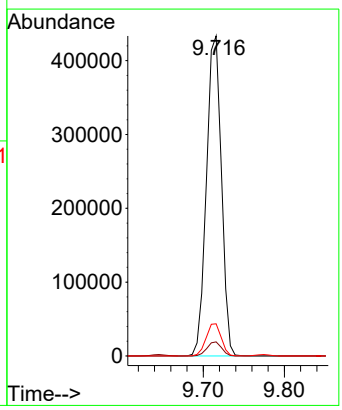


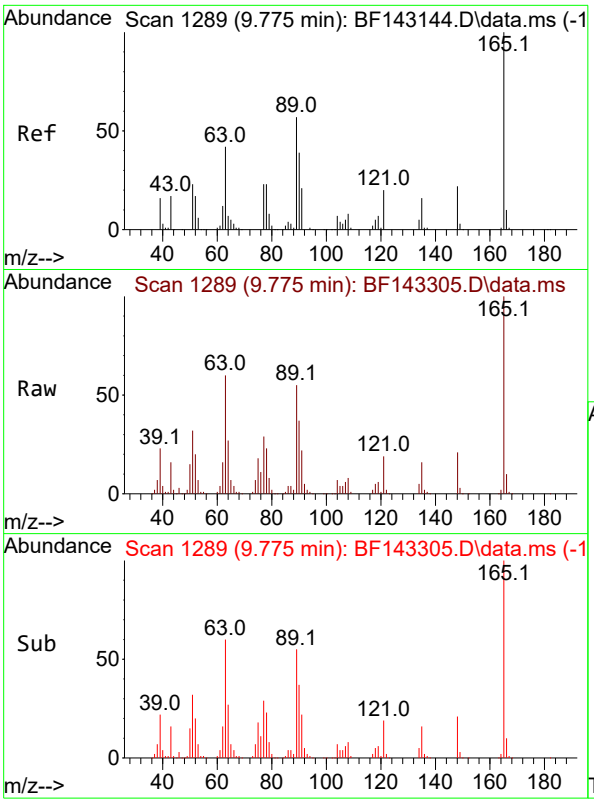


#50
Dimethylphthalate
Concen: 39.355 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:163 Resp: 554408

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	10.1	8.3	12.5



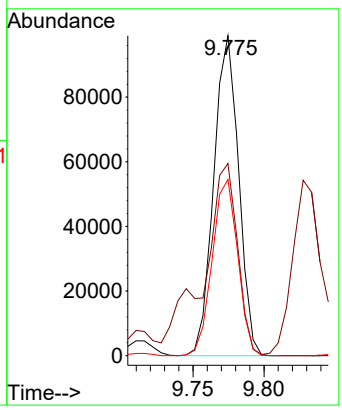


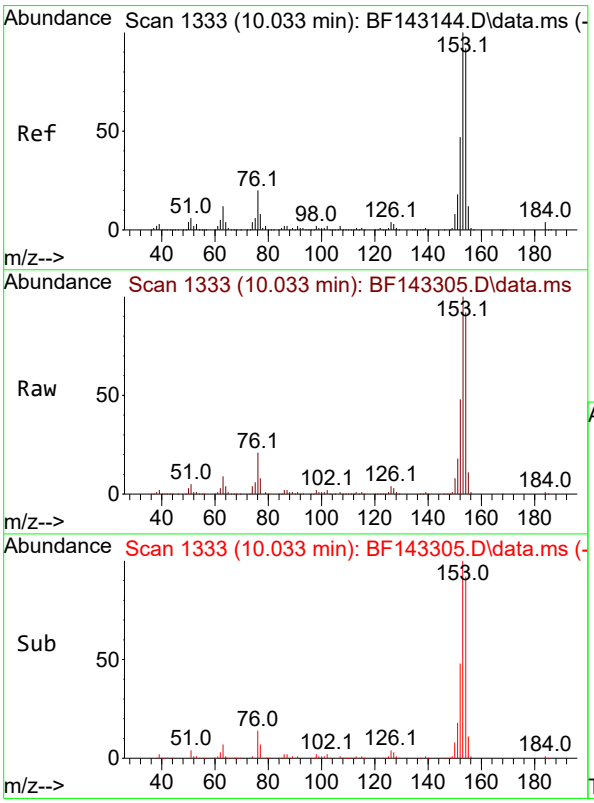
#51
2,6-Dinitrotoluene
Concen: 42.105 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 120661

Ion	Ratio	Lower	Upper
165	100		
63	60.0	49.4	74.2
89	55.0	46.2	69.2

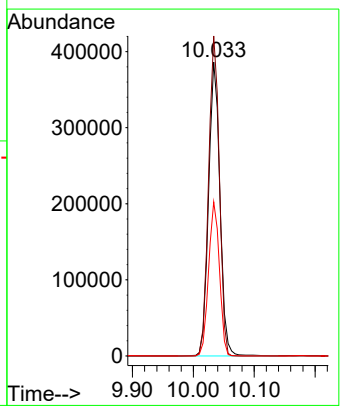


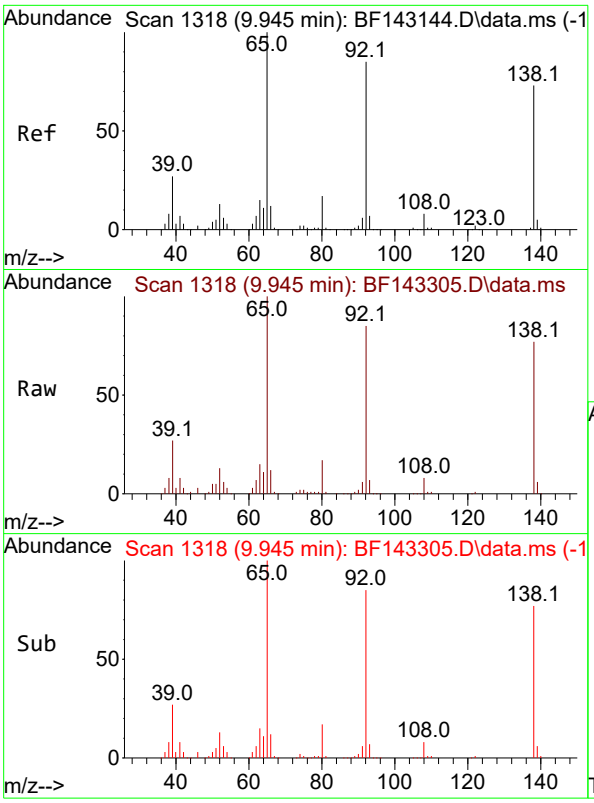


#52
Acenaphthene
Concen: 40.487 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:154 Resp: 500323

Ion	Ratio	Lower	Upper
154	100		
153	108.9	86.6	129.8
152	52.4	40.4	60.6



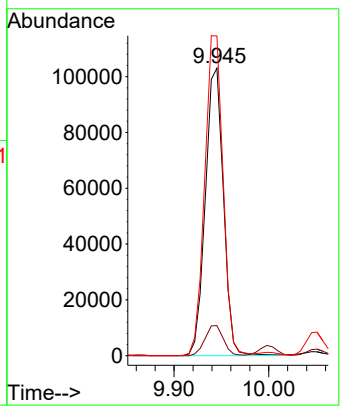


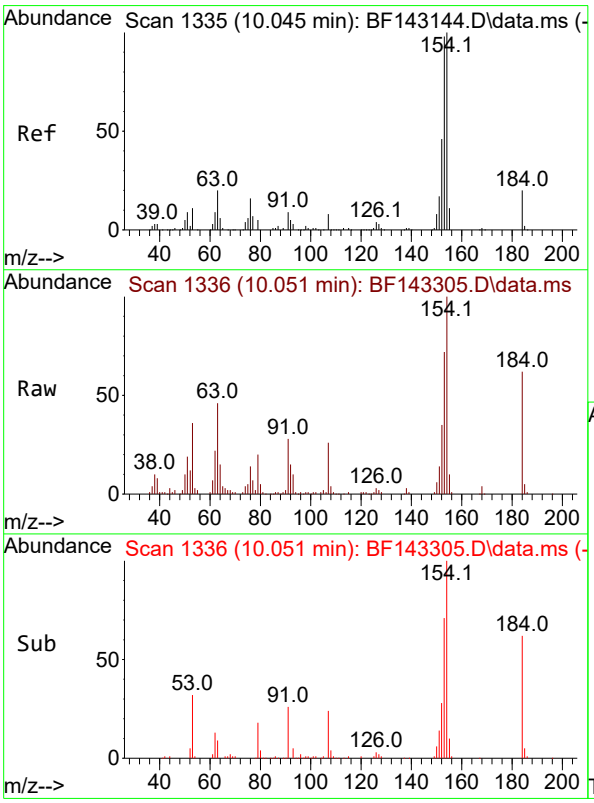
#53
3-Nitroaniline
Concen: 40.747 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 136582

Ion	Ratio	Lower	Upper
138	100		
108	10.4	9.0	13.6
92	111.2	93.0	139.4

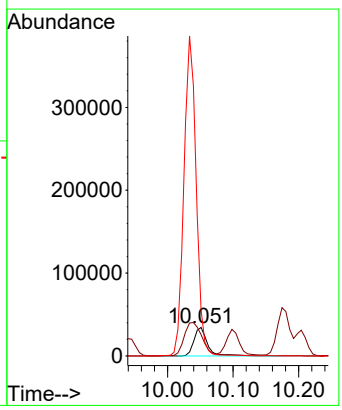


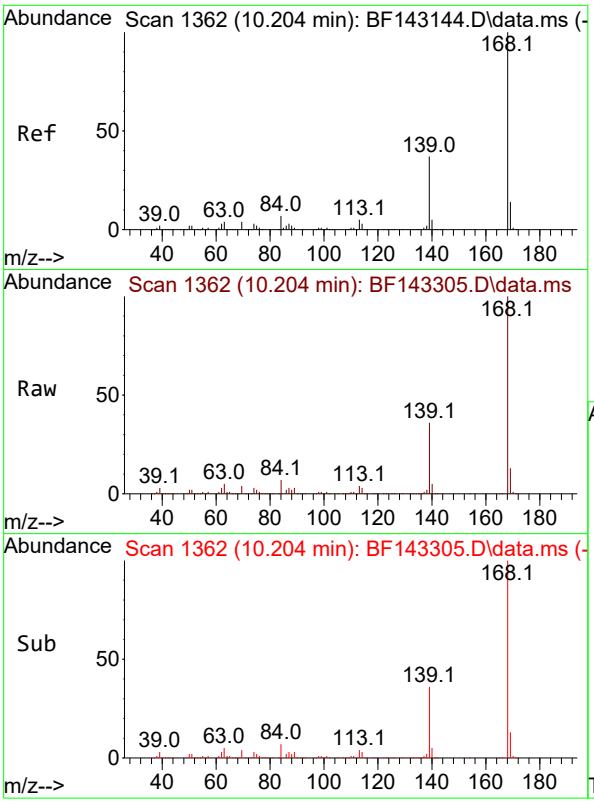


#54
2,4-Dinitrophenol
Concen: 41.665 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:184 Resp: 49591

Ion	Ratio	Lower	Upper
184	100		
63	75.0	81.8	122.6#
154	161.8	412.2	618.4#



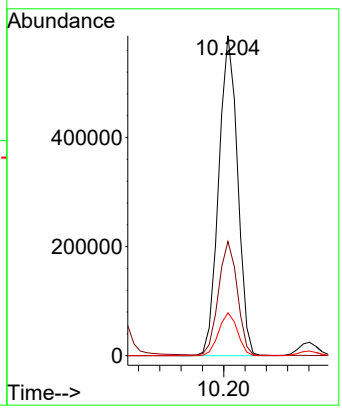


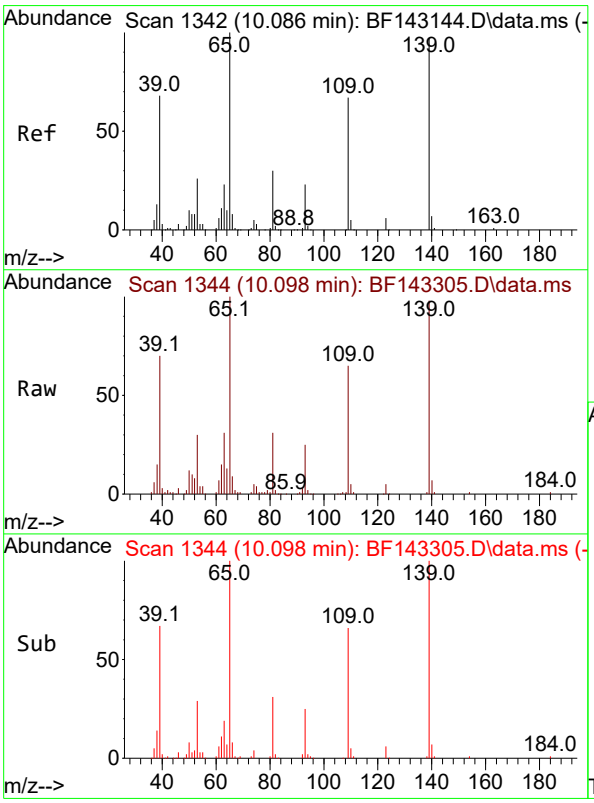
#55
Dibenzofuran
Concen: 39.219 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 719575

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.5	44.3
169	13.4	10.9	16.3

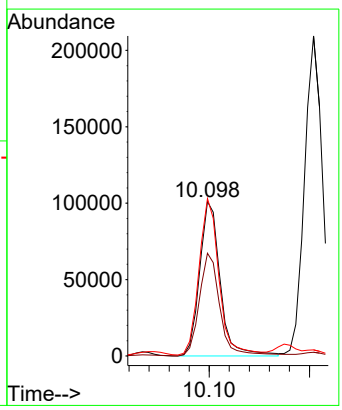


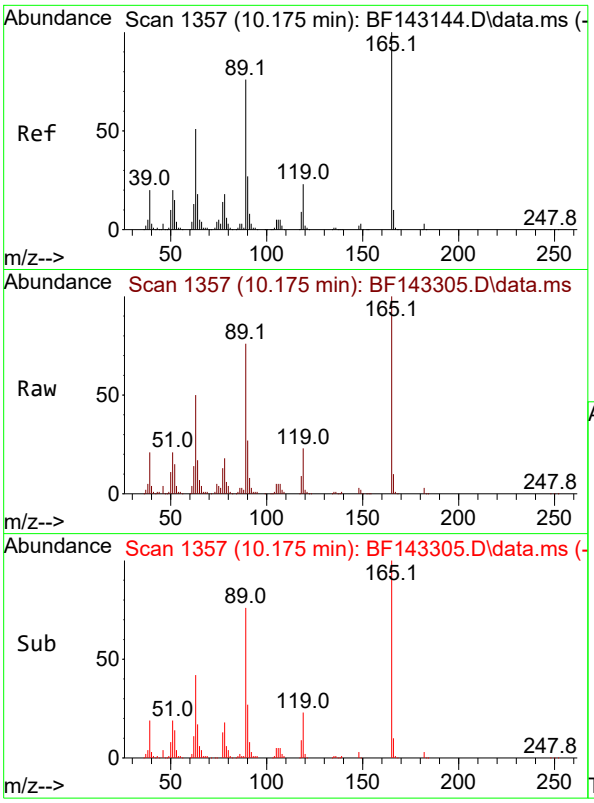


#56
4-Nitrophenol
Concen: 57.785 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:139 Resp: 144639

Ion	Ratio	Lower	Upper
139	100		
109	66.6	48.5	88.5
65	102.1	83.4	123.4



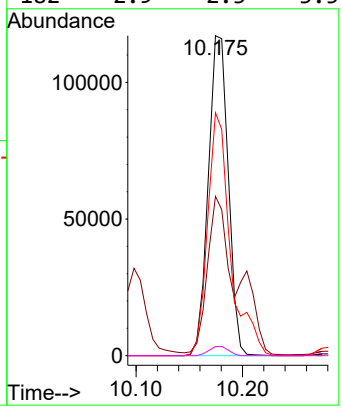


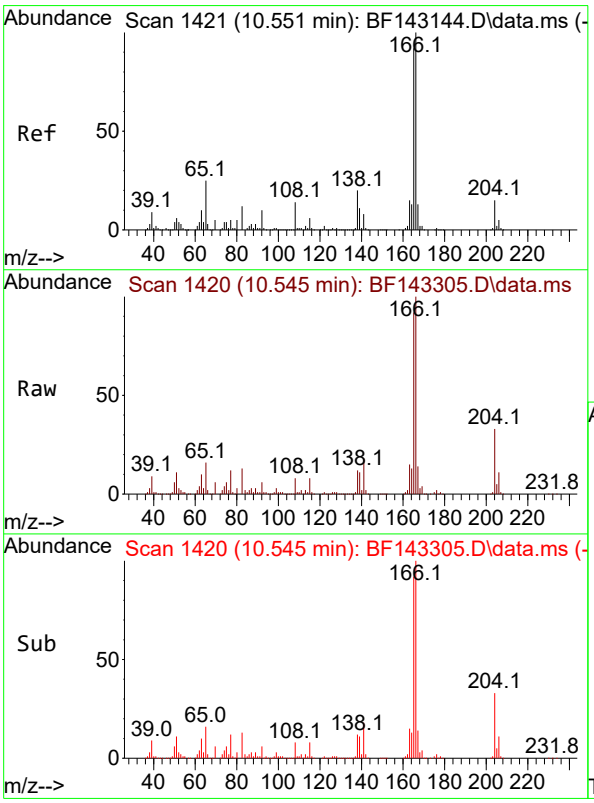
#57
2,4-Dinitrotoluene
Concen: 42.487 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 152755

Ion	Ratio	Lower	Upper
165	100		
63	49.8	41.0	61.4
89	75.9	61.1	91.7
182	2.9	2.3	3.5

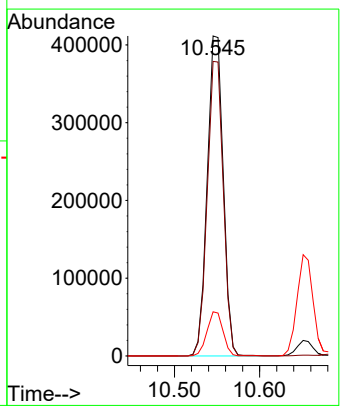


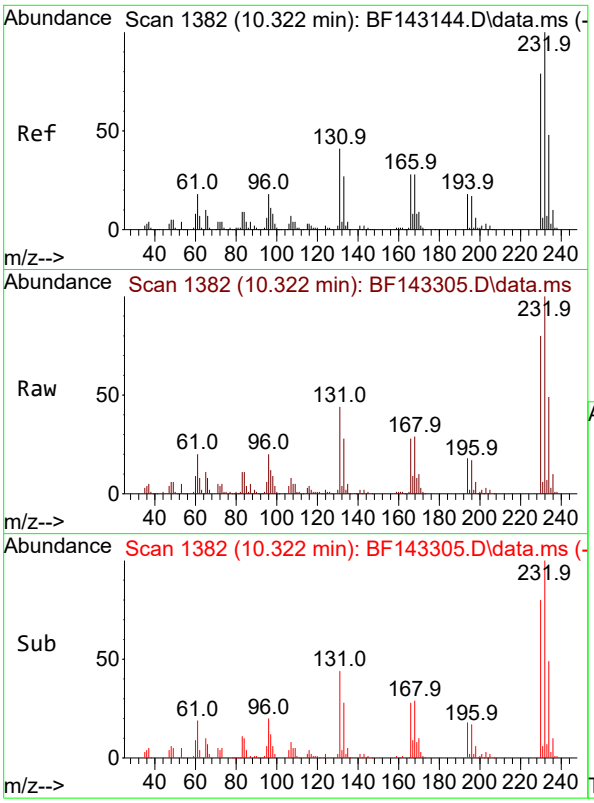


#58
Fluorene
Concen: 39.080 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:166 Resp: 538130

Ion	Ratio	Lower	Upper
166	100		
165	92.1	73.7	110.5
167	13.8	10.6	16.0



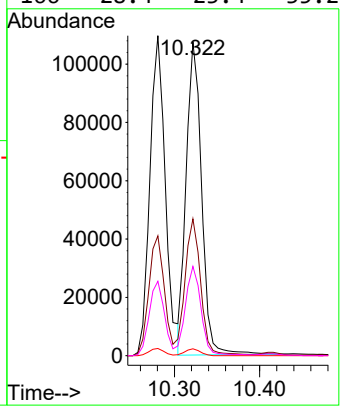


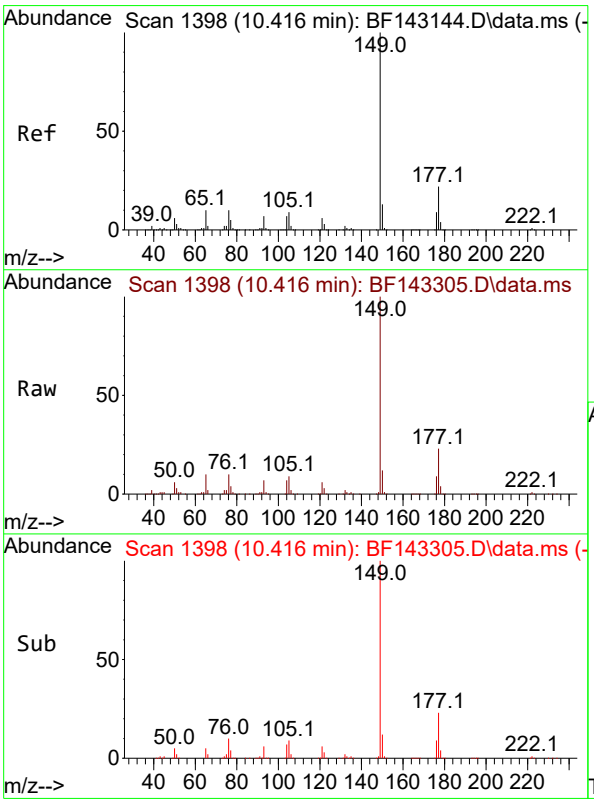
#59
2,3,4,6-Tetrachlorophenol
Concen: 37.715 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 134953

Ion	Ratio	Lower	Upper
232	100		
131	44.7	35.3	52.9
130	2.2	1.7	2.5
166	28.4	23.4	35.2

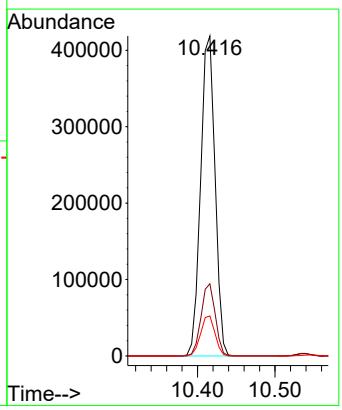


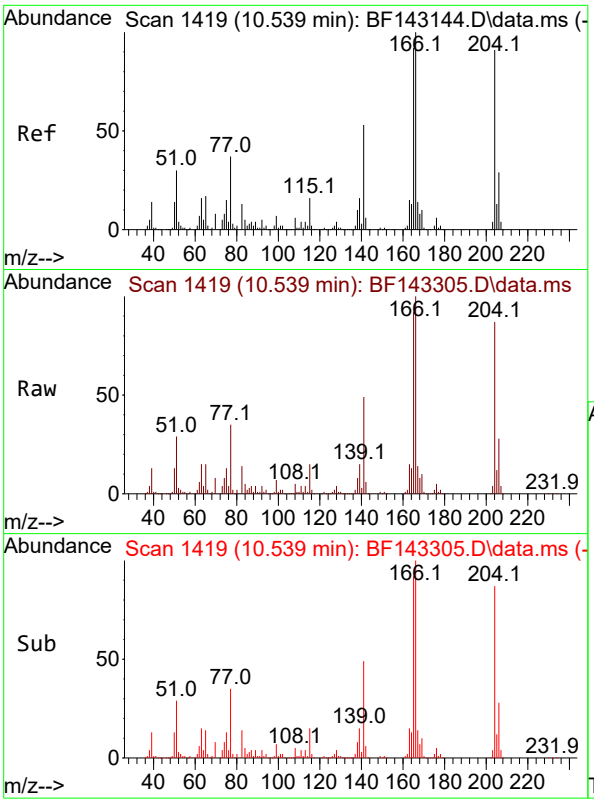


#60
Diethylphthalate
Concen: 38.833 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:149 Resp: 540701

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.5	26.3
150	12.5	10.2	15.2



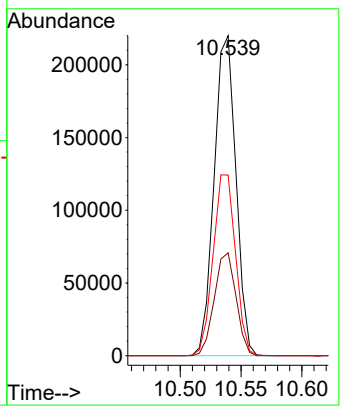


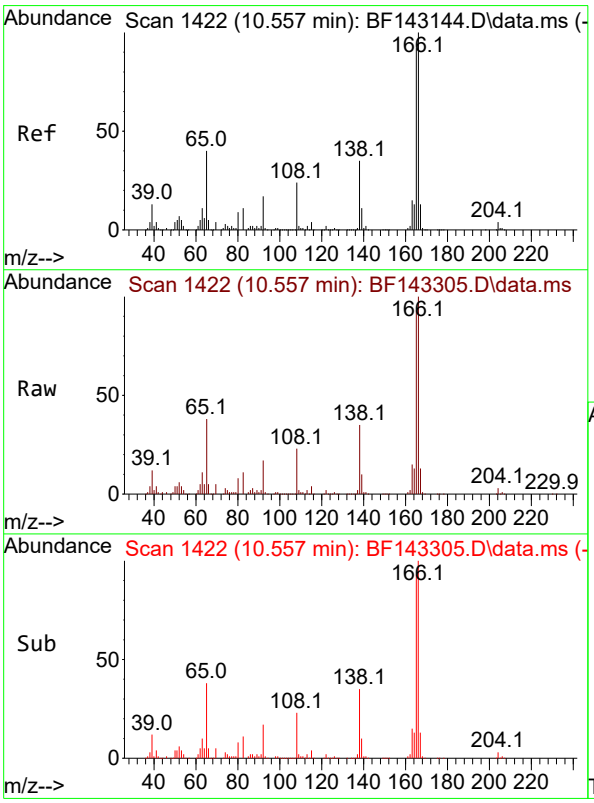
#61
4-Chlorophenyl-phenylether
Concen: 40.037 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 274523

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.8	38.8
141	56.5	47.0	70.4

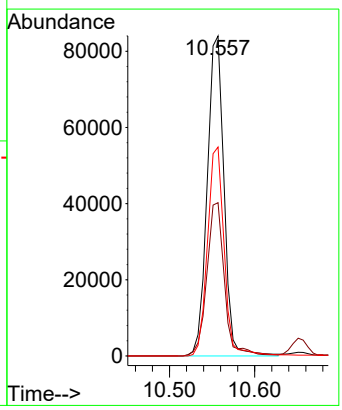


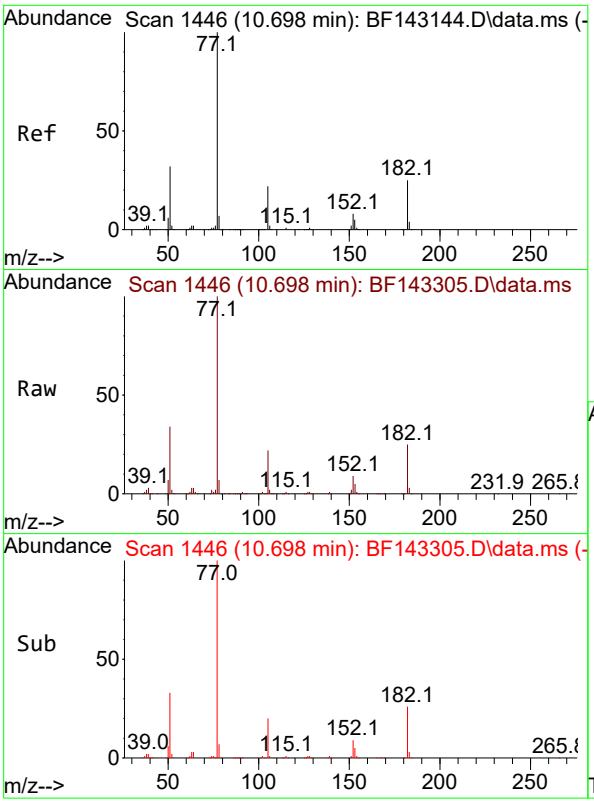


#62
4-Nitroaniline
Concen: 40.169 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:138 Resp: 115398

Ion	Ratio	Lower	Upper
138	100		
92	47.9	29.3	69.3
108	65.3	48.3	88.3



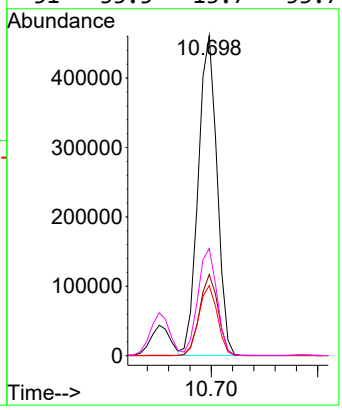


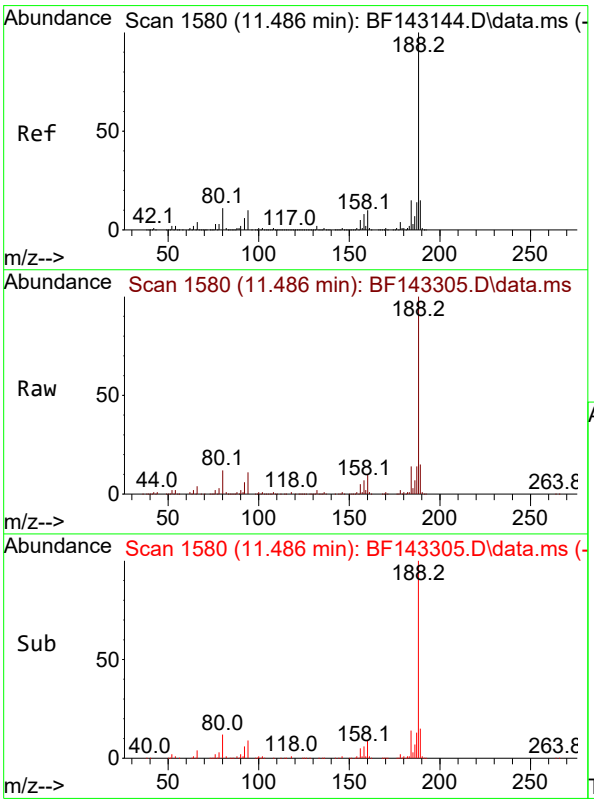
#63
Azobenzene
Concen: 39.070 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 566976

Ion	Ratio	Lower	Upper
77	100		
182	25.4	4.6	44.6
105	21.9	1.4	41.4
51	33.5	13.7	53.7

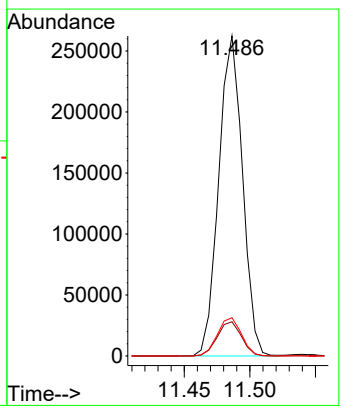


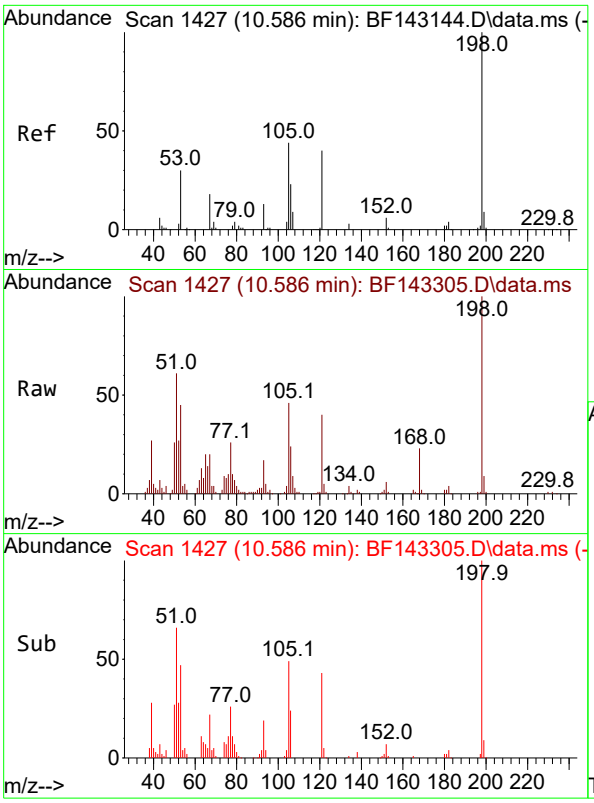


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:188 Resp: 330581

Ion	Ratio	Lower	Upper
188	100		
94	10.7	8.3	12.5
80	11.9	9.0	13.6



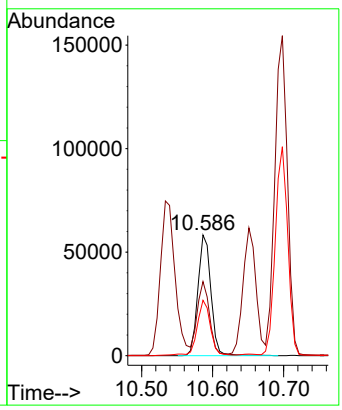


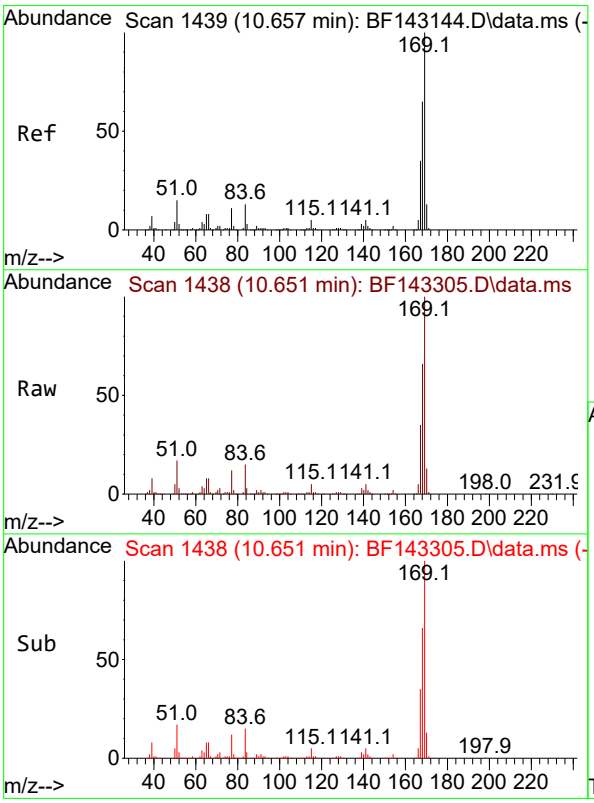
#65
4,6-Dinitro-2-methylphenol
Concen: 43.445 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 74287

Ion	Ratio	Lower	Upper
198	100		
51	61.4	37.2	77.2
105	45.9	24.8	64.8

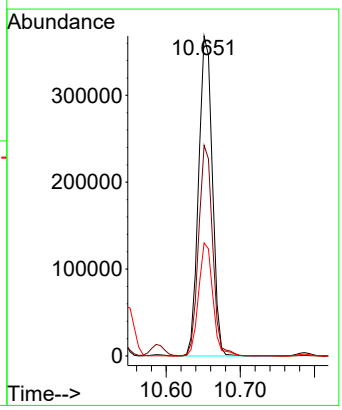


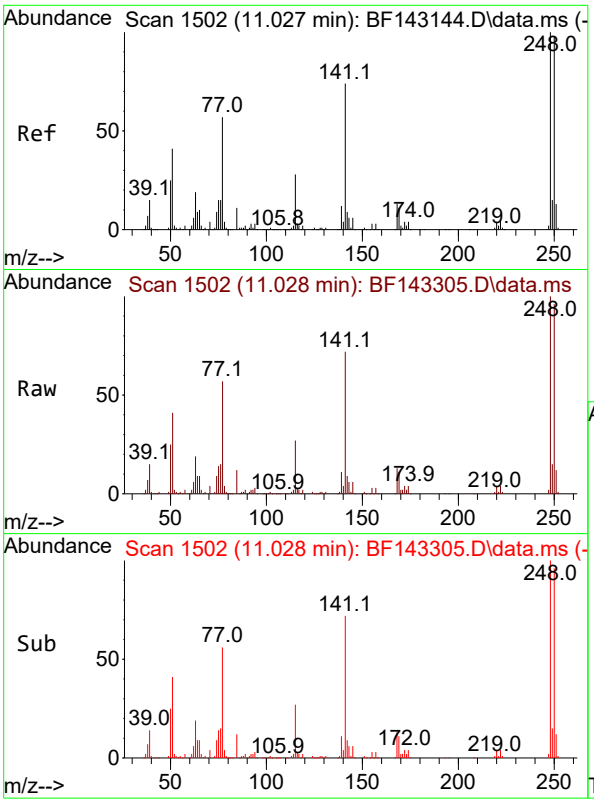


#66
n-Nitrosodiphenylamine
Concen: 40.687 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:169 Resp: 473628

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.1	78.1
167	35.4	28.2	42.2



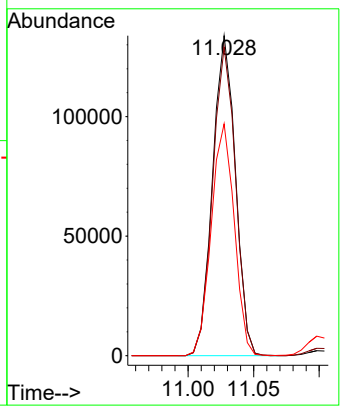


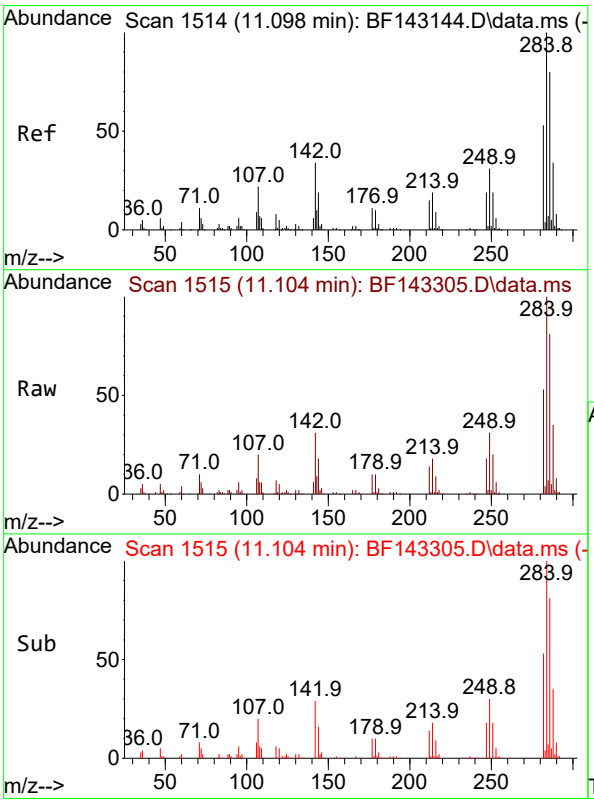
#67
4-Bromophenyl-phenylether
Concen: 41.106 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 161943

Ion	Ratio	Lower	Upper
248	100		
250	96.5	78.3	117.5
141	72.5	59.2	88.8

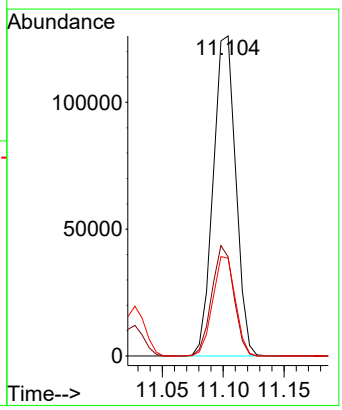


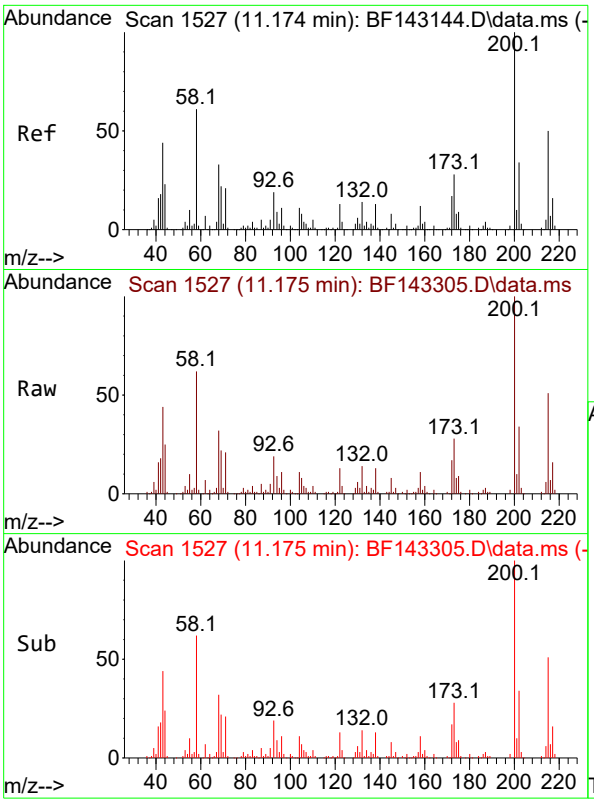


#68
Hexachlorobenzene
Concen: 39.488 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:284 Resp: 162603

Ion	Ratio	Lower	Upper
284	100		
142	30.9	27.0	40.6
249	30.5	25.0	37.6



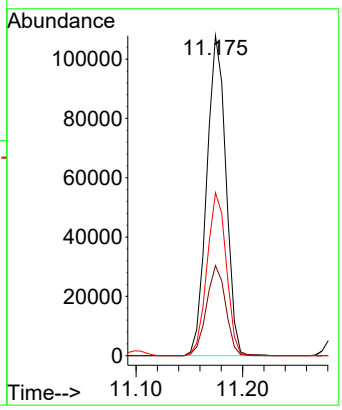


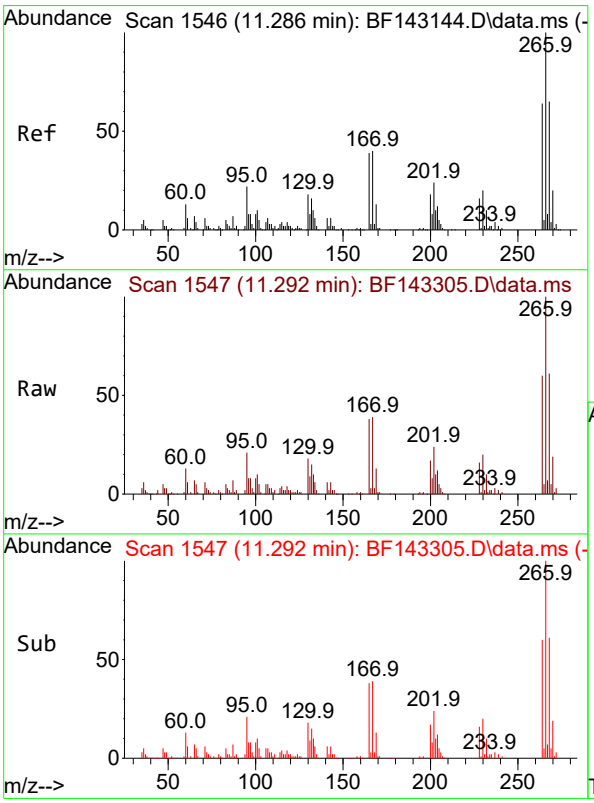
#69
Atrazine
Concen: 41.949 ng
RT: 11.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 134626

Ion	Ratio	Lower	Upper
200	100		
173	28.1	7.9	47.9
215	50.9	30.1	70.1

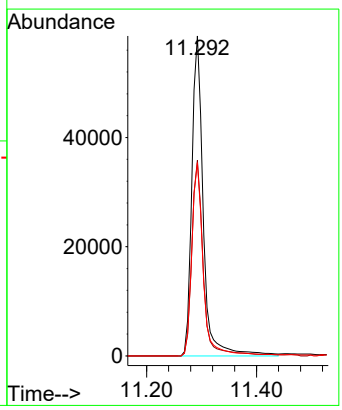


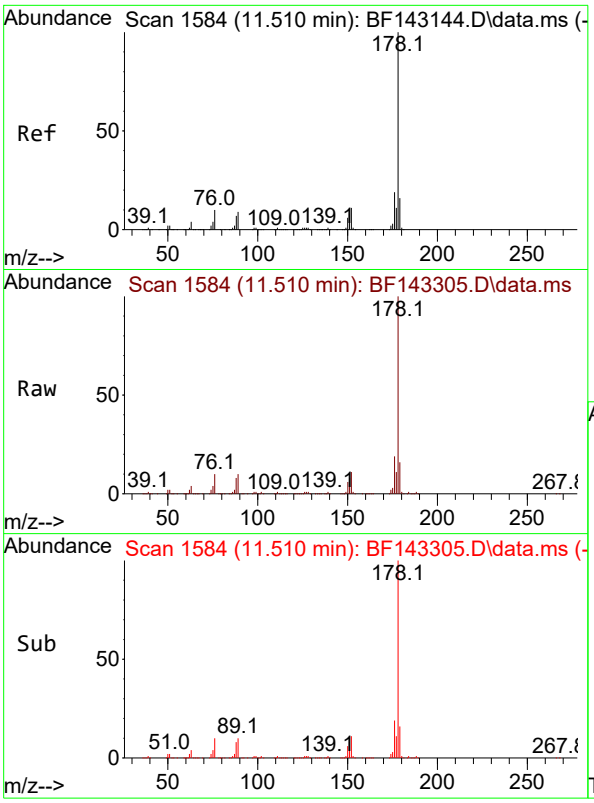


#70
Pentachlorophenol
Concen: 34.958 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:266 Resp: 84653

Ion	Ratio	Lower	Upper
266	100		
268	61.1	51.9	77.9
264	60.4	51.0	76.6



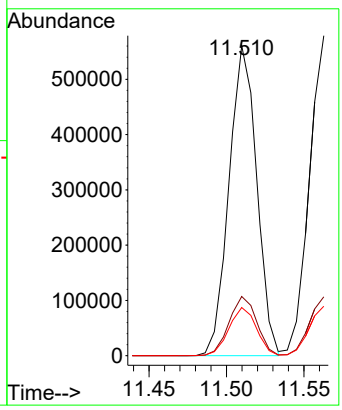


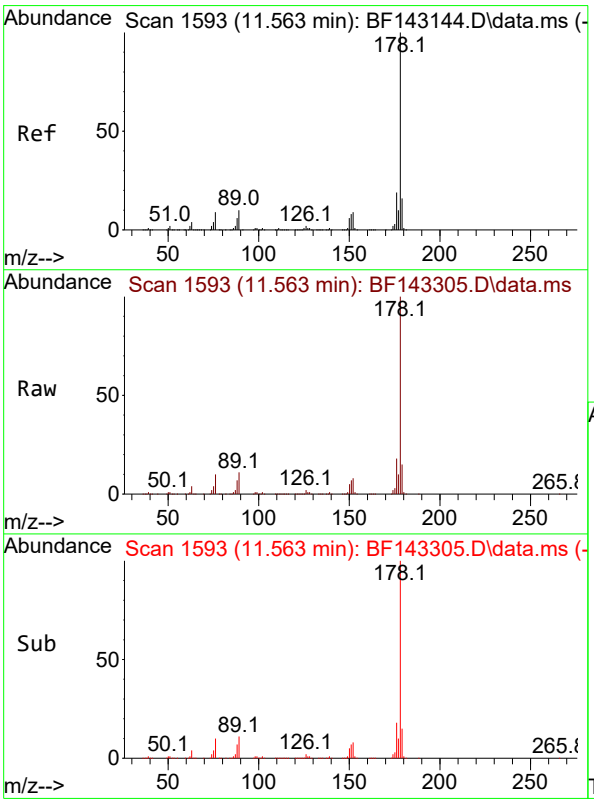
#71
Phenanthrene
Concen: 39.699 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 696835

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.6	12.5	18.7

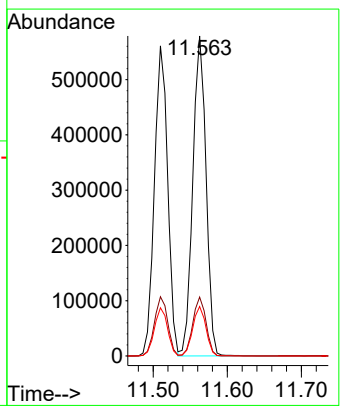


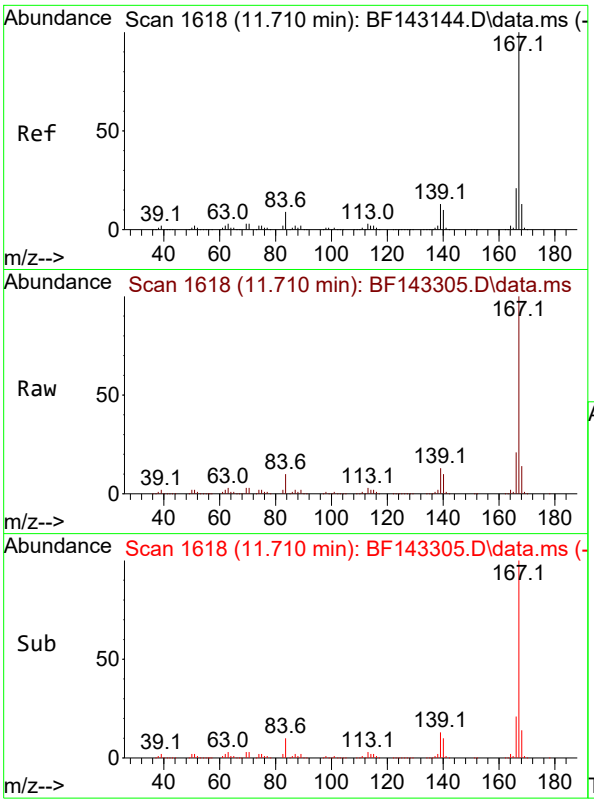


#72
Anthracene
Concen: 40.065 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:178 Resp: 717238

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.4	12.5	18.7



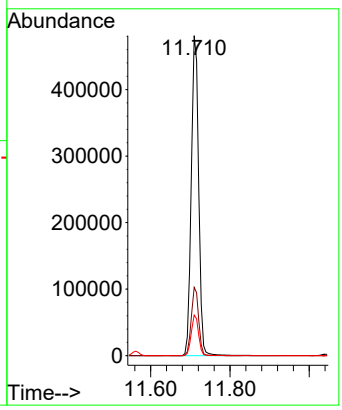


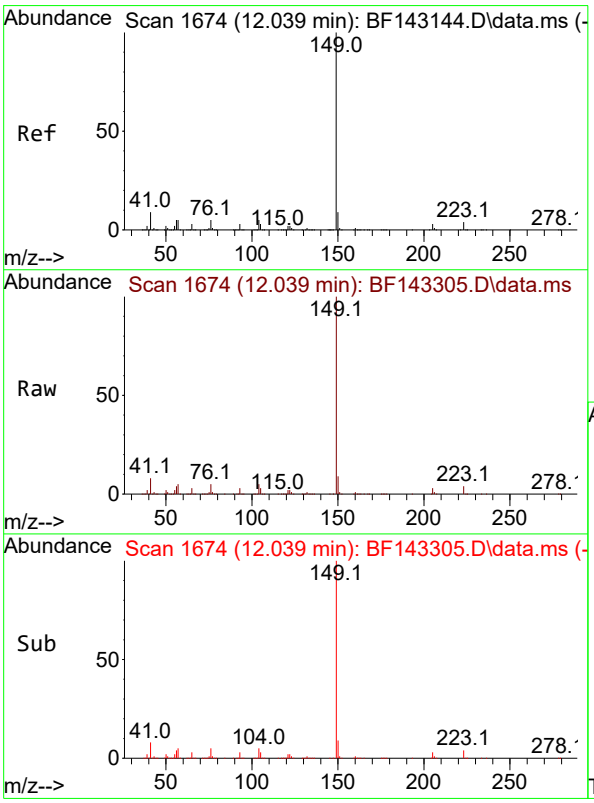
#73
Carbazole
Concen: 39.925 ng
RT: 11.710 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 624105

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.7	10.0	15.0

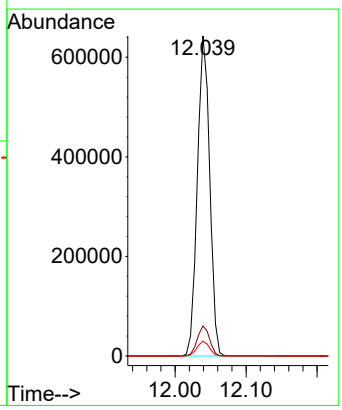


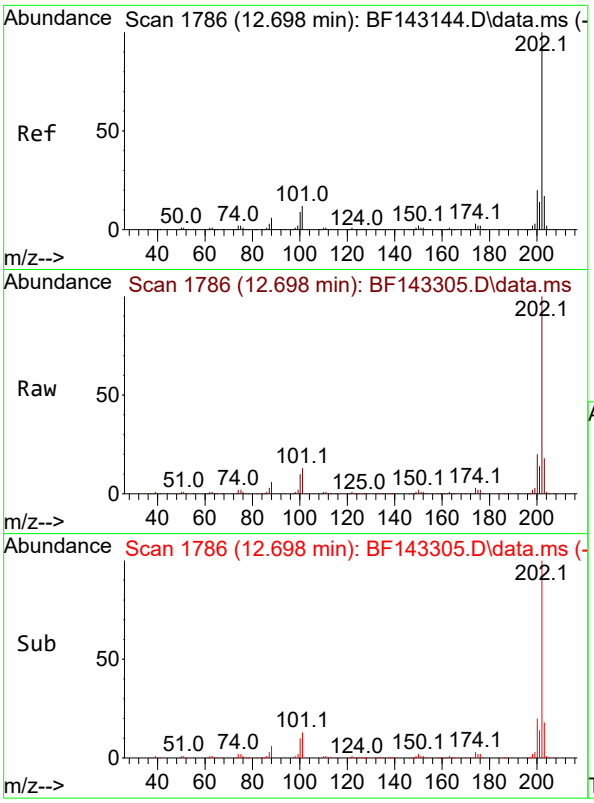


#74
Di-n-butylphthalate
Concen: 44.026 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:149 Resp: 778708

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	4.7	3.8	5.8



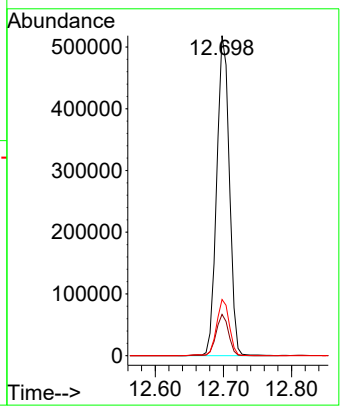


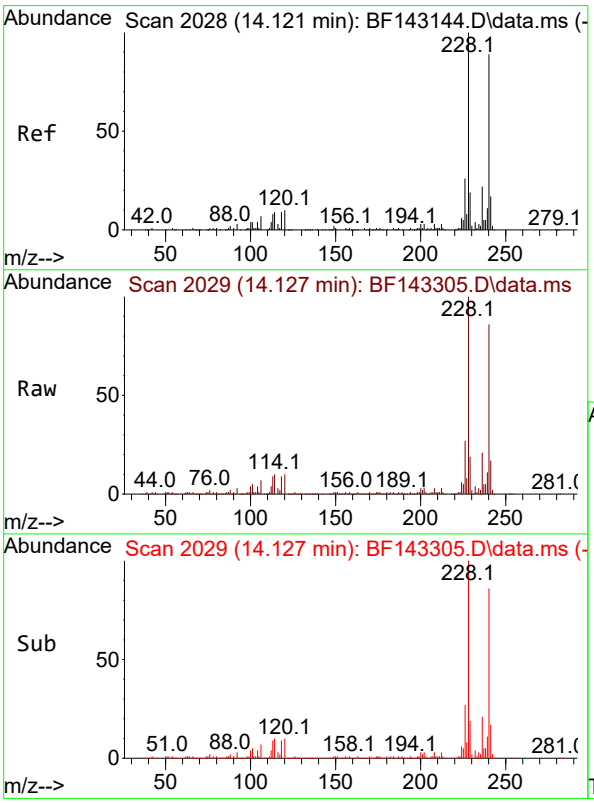
#75
Fluoranthene
Concen: 41.516 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 668876

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.7
203	17.5	0.0	37.4

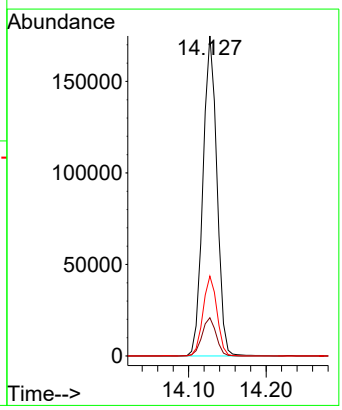


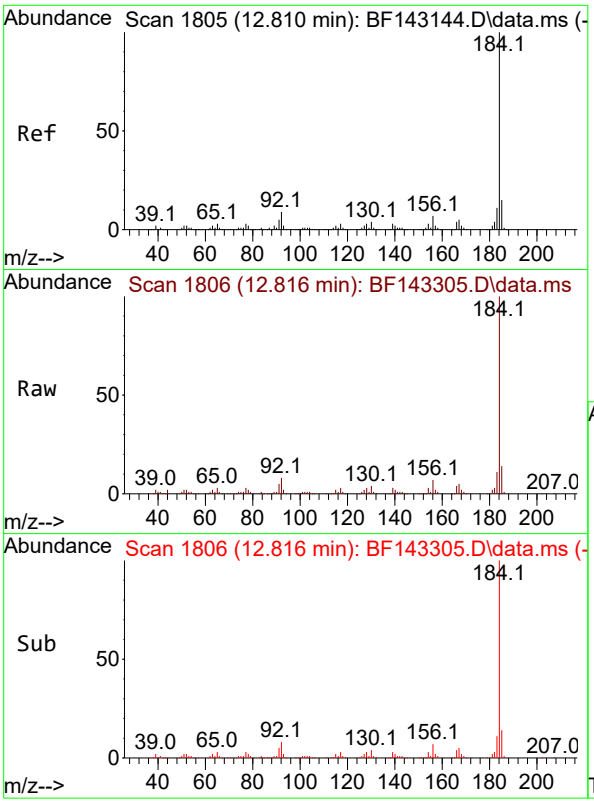


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:240 Resp: 218496

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.4	14.2
236	25.0	20.2	30.4



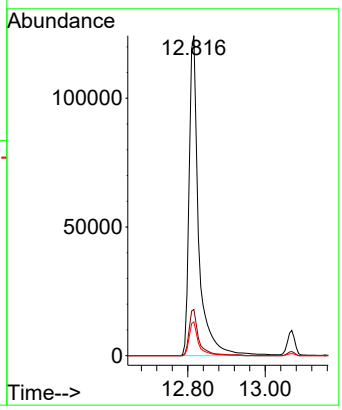


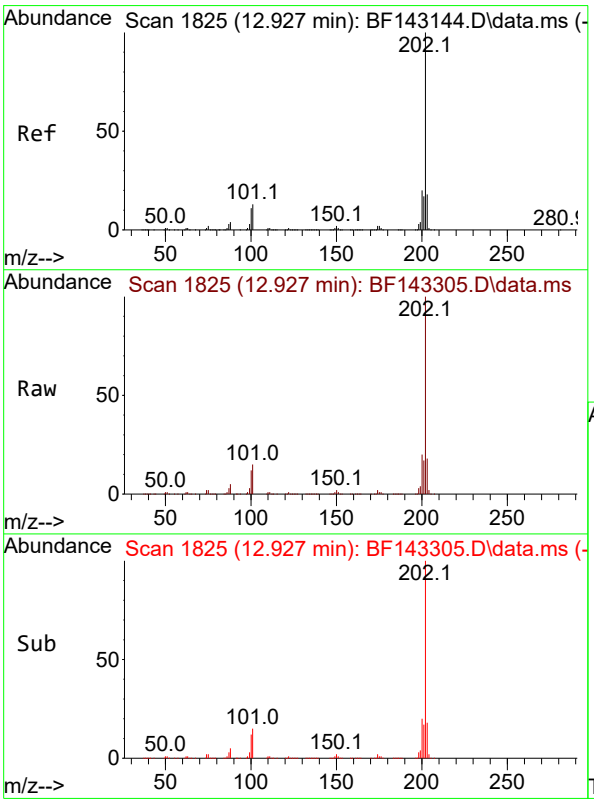
#77
Benzidine
Concen: 25.479 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 214485

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.2	18.4
183	10.6	9.0	13.4

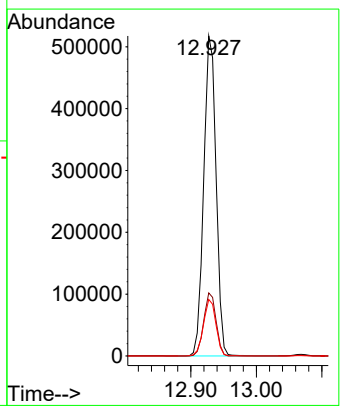


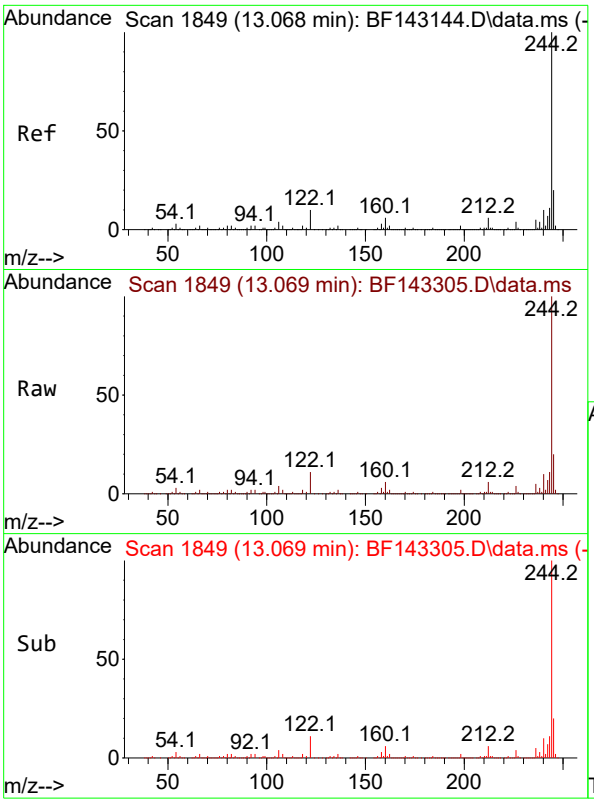


#78
Pyrene
Concen: 36.445 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:202 Resp: 679600

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.7	14.2	21.2



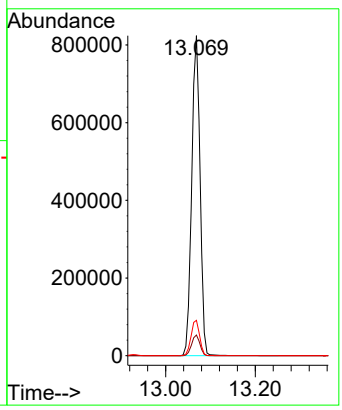


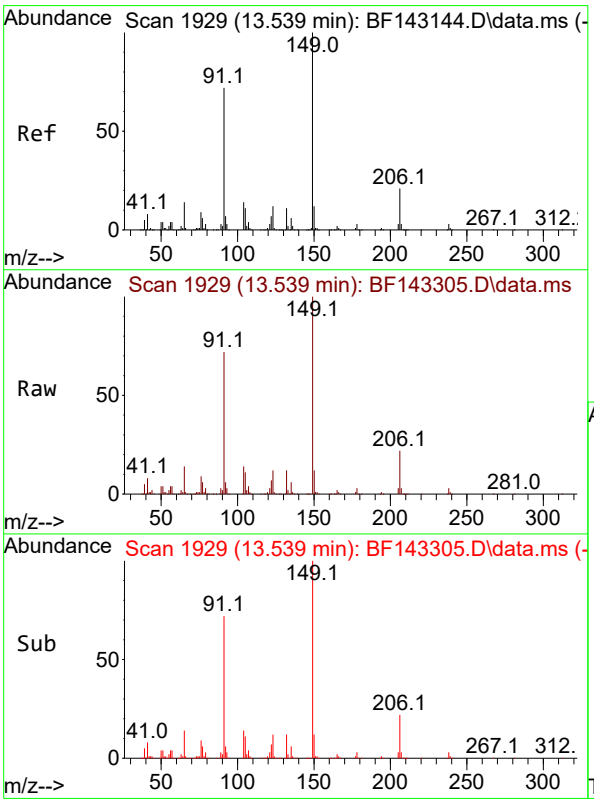
#79
Terphenyl-d14
Concen: 72.274 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1061185

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.0	8.2	12.2

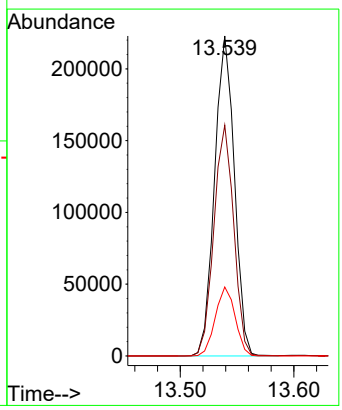


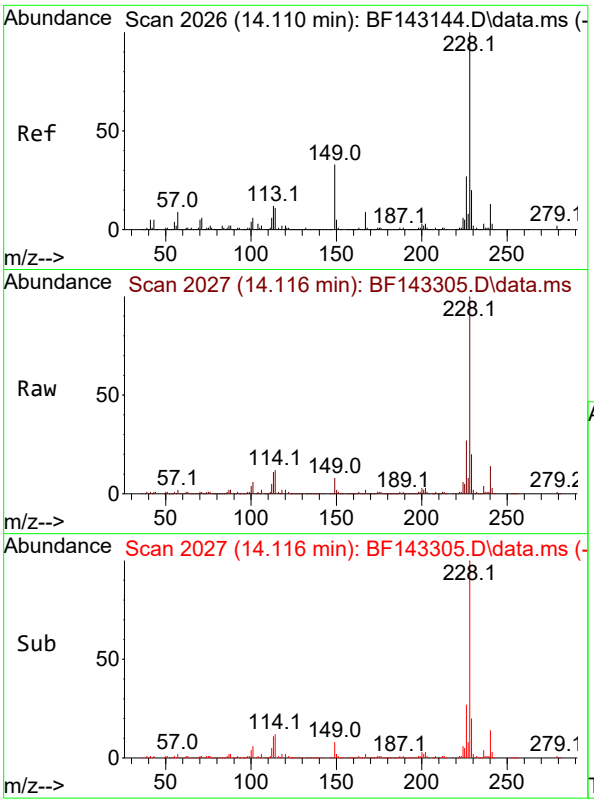


#80
Butylbenzylphthalate
Concen: 47.313 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:149 Resp: 270164

Ion	Ratio	Lower	Upper
149	100		
91	72.1	57.9	86.9
206	21.6	17.0	25.4



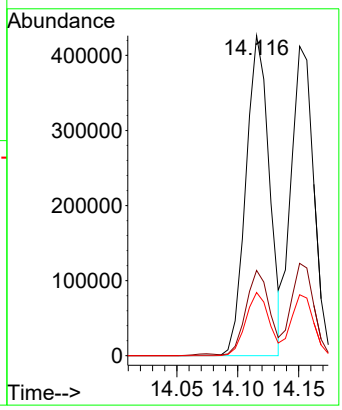


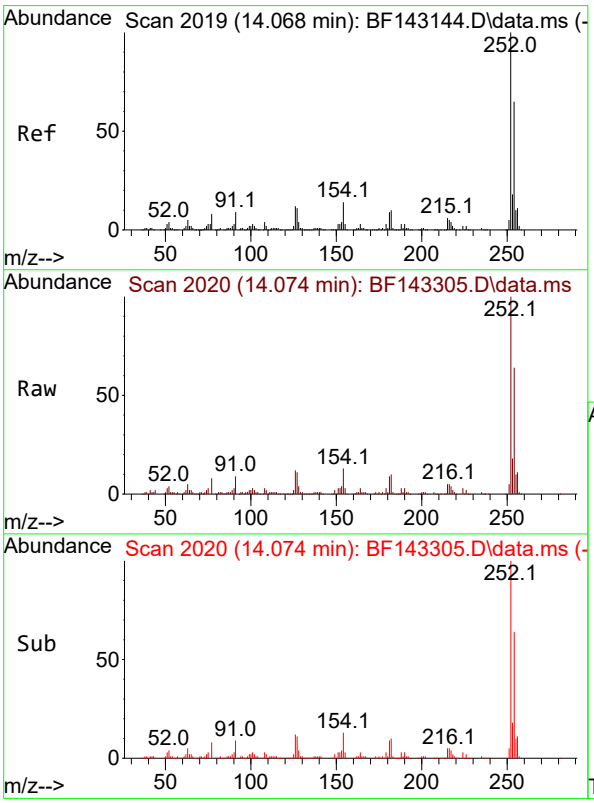
#81
Benzo(a)anthracene
Concen: 39.021 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 570817

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.7	32.5
229	19.8	15.8	23.6

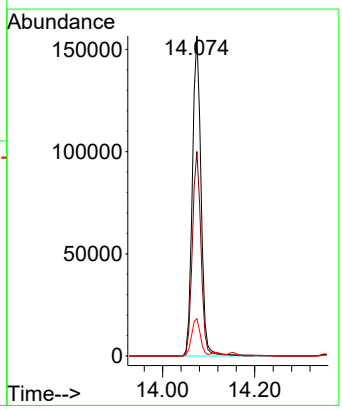


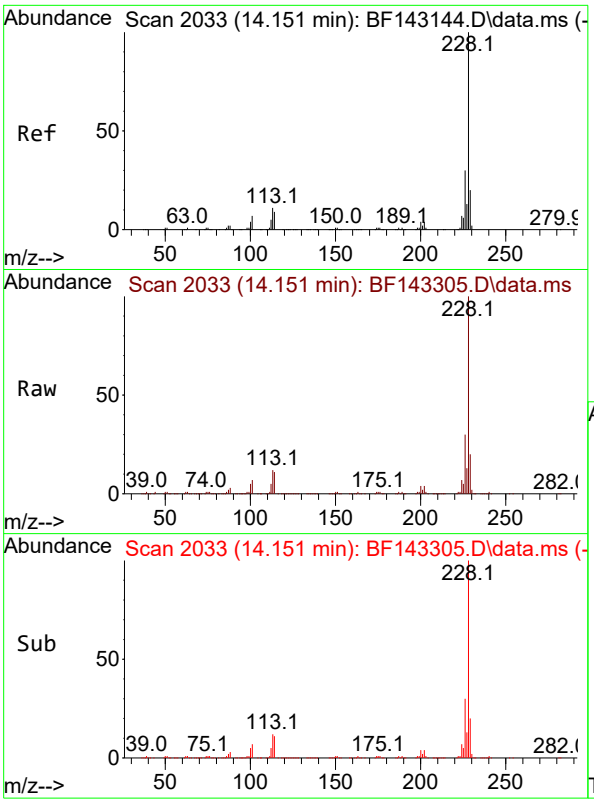


#82
3,3'-Dichlorobenzidine
Concen: 41.914 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:252 Resp: 204352

Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.7	77.5
126	11.7	9.4	14.0



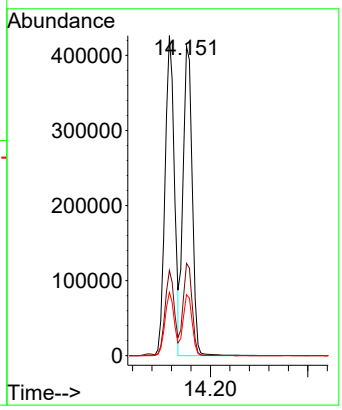


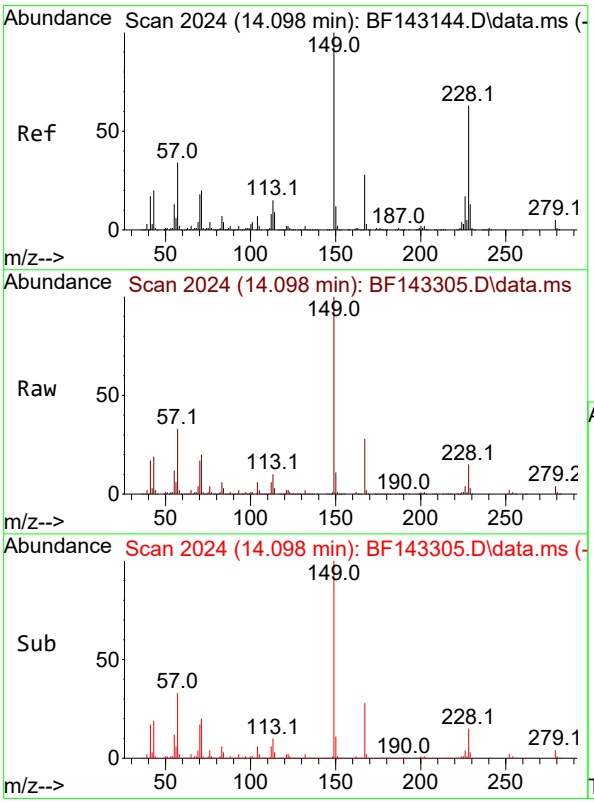
#83
Chrysene
Concen: 40.913 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 538092

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.7	15.6	23.4

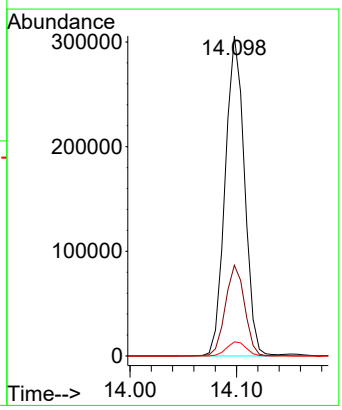


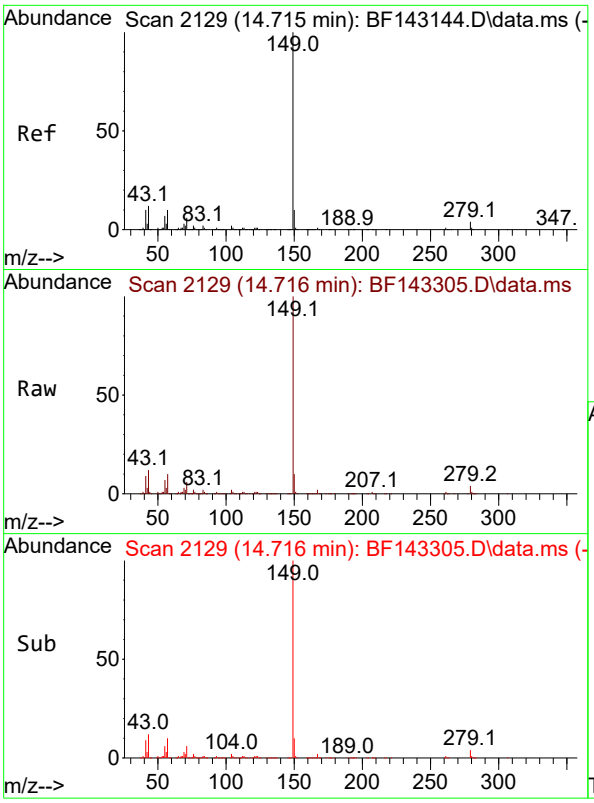


#84
Bis(2-ethylhexyl)phthalate
Concen: 44.342 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:149 Resp: 383240

Ion	Ratio	Lower	Upper
149	100		
167	28.3	22.3	33.5
279	4.4	3.6	5.4



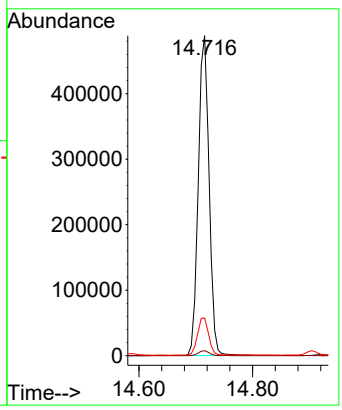


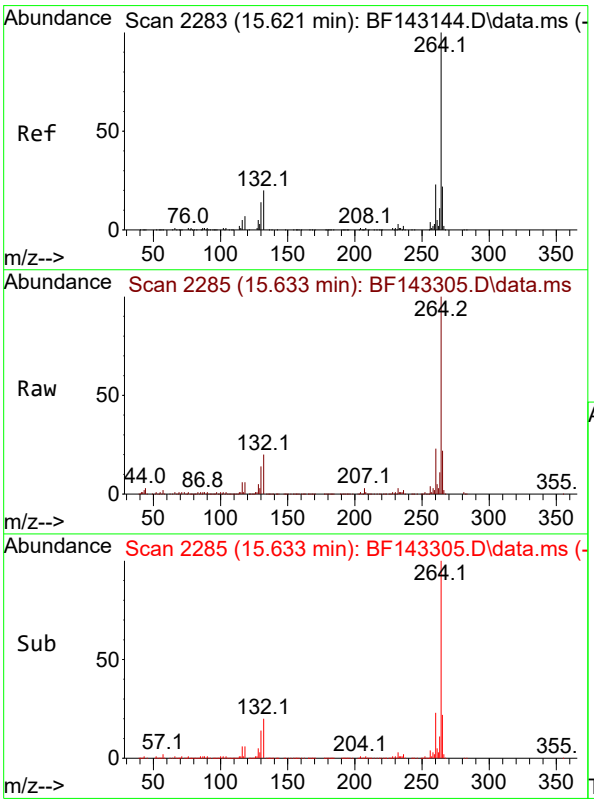
#85
Di-n-octyl phthalate
Concen: 41.231 ng
RT: 14.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 645935

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	12.0	9.7	14.5

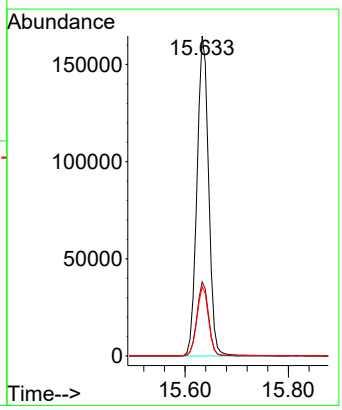


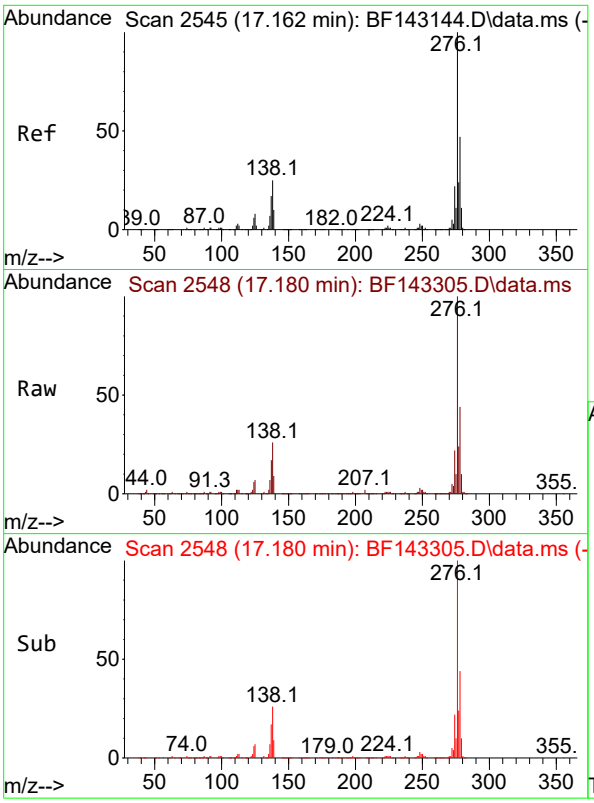


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:264 Resp: 256941

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	21.7	17.4	26.2



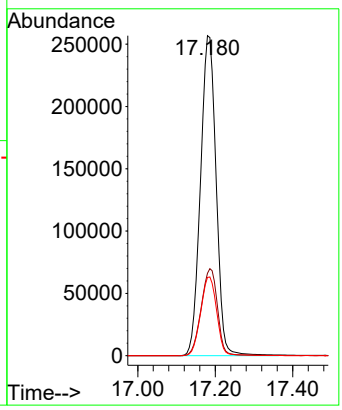


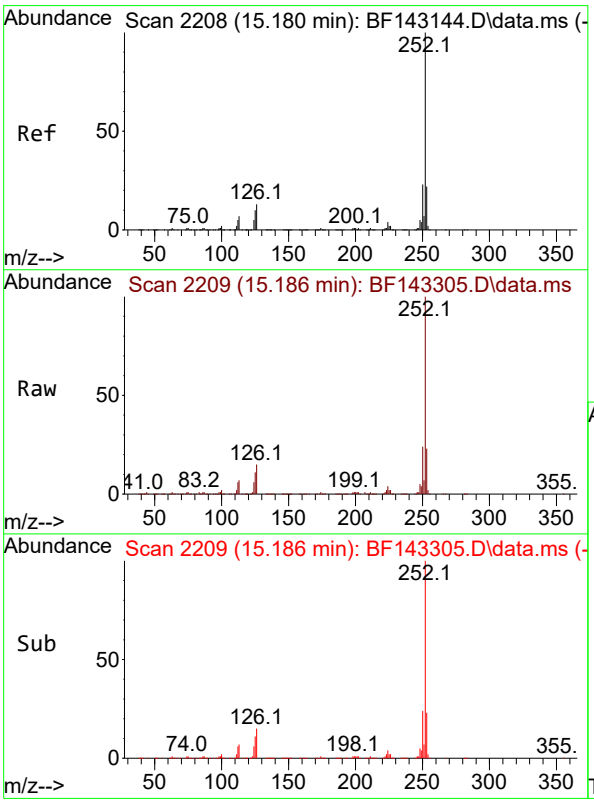
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.745 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 720085

Ion	Ratio	Lower	Upper
276	100		
138	28.3	21.8	32.6
277	25.3	20.0	30.0

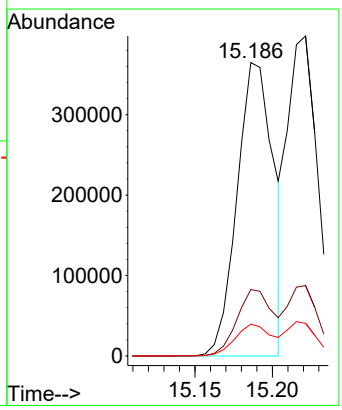


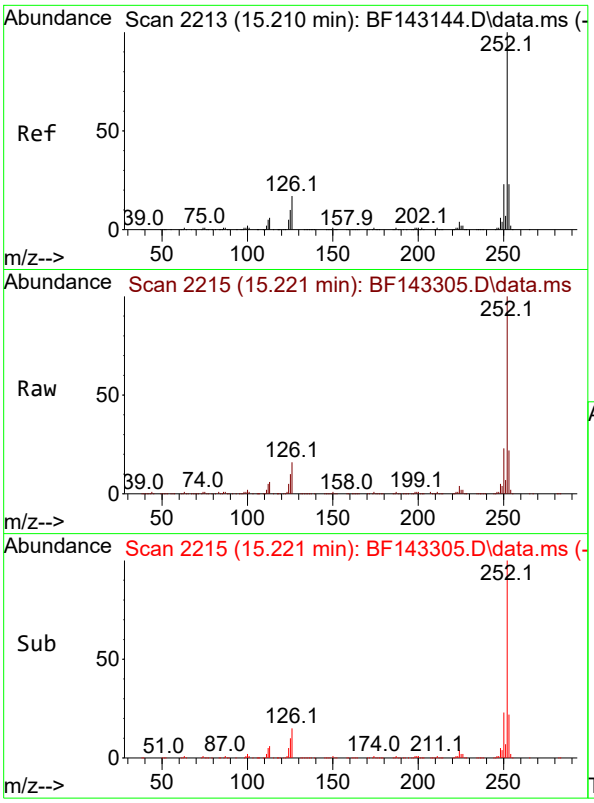


#88
Benzo(b)fluoranthene
Concen: 37.964 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:252 Resp: 595917

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	10.8	8.0	12.0



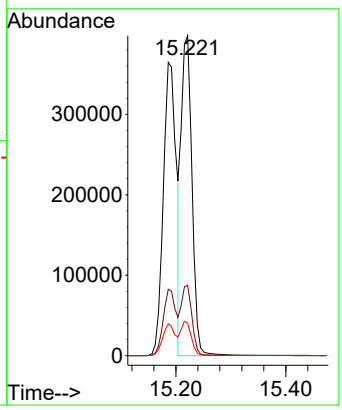


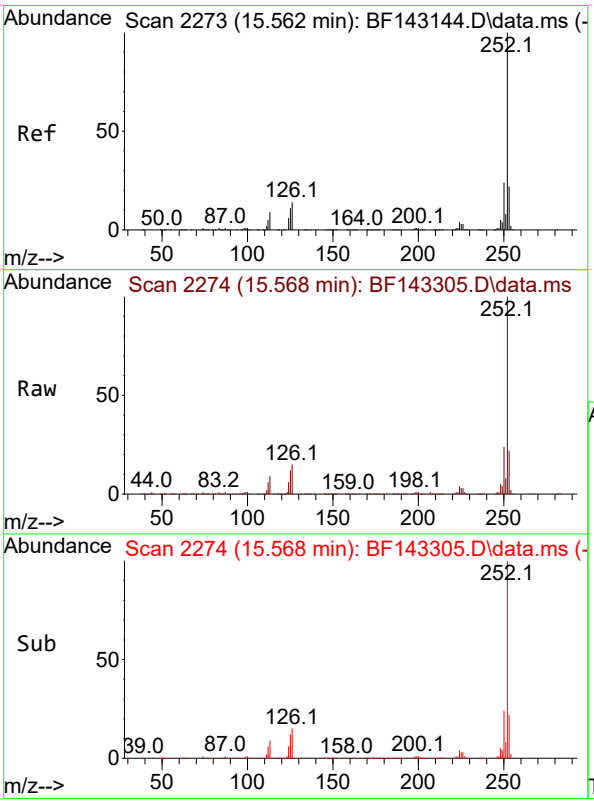
#89
Benzo(k)fluoranthene
Concen: 38.750 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 542772

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.2	8.1	12.1

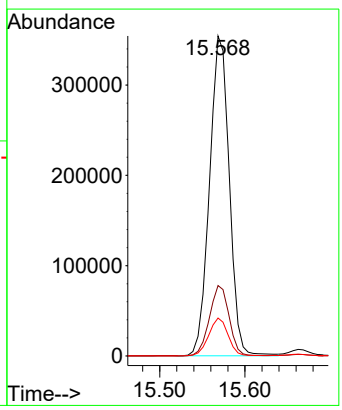


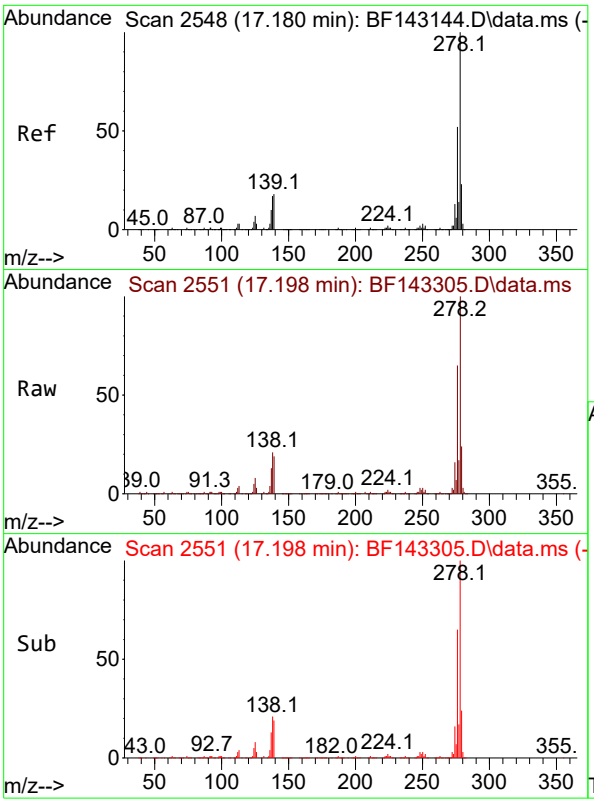


#90
Benzo(a)pyrene
Concen: 39.371 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:252 Resp: 569386

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	11.8	8.6	13.0



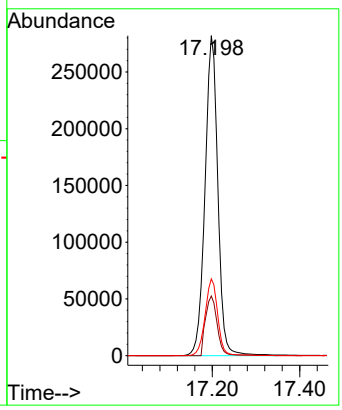


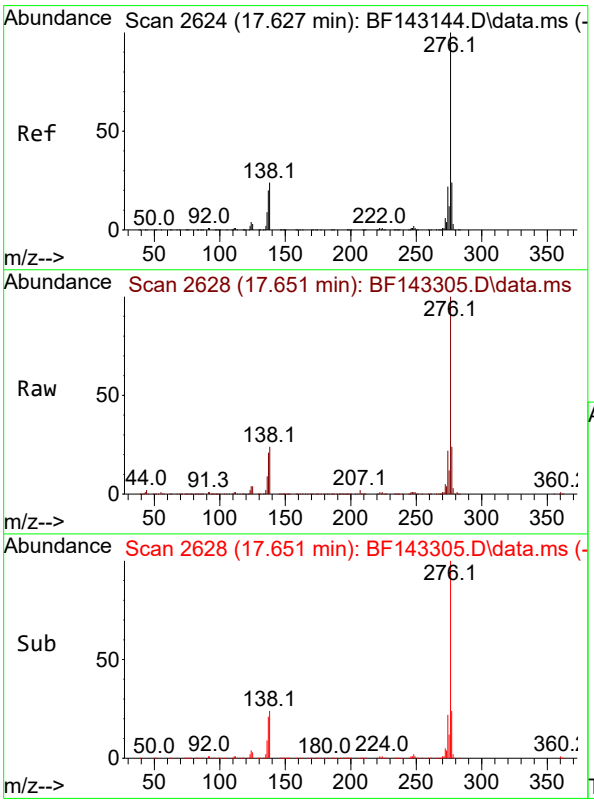
#91
Dibenzo(a,h)anthracene
Concen: 39.120 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 576896

Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.1	21.1
279	24.0	18.6	28.0

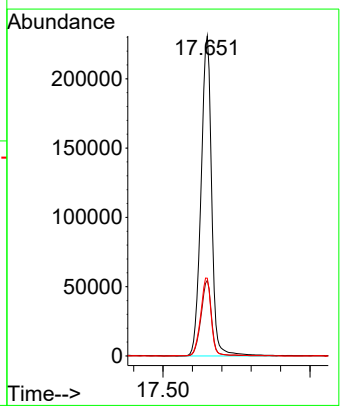




#92
Benzo(g,h,i)perylene
Concen: 40.700 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.024 min
Lab File: BF143305.D
Acq: 05 Aug 2025 10:00

Tgt Ion:276 Resp: 580577

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.1	28.7
138	24.3	18.9	28.3



Sample Results: **BF143305.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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	68	0.00
2		1,4-Dioxane	0.598	0.622	-4.0	70	-0.03
3		Pyridine	1.552	1.566	-0.9	69	-0.02
4		n-Nitrosodimethylamine	0.801	0.803	-0.2	67	-0.02
5	S	2-Fluorophenol	1.264	1.256	0.6	69	0.00
6		Aniline	2.217	2.212	0.2	68	0.00
7	S	Phenol-d6	1.591	1.570	1.3	68	0.00
8		2-Chlorophenol	1.325	1.329	-0.3	69	0.00
9		Benzaldehyde	1.193	1.264	-6.0	59	0.00
10	C	Phenol	1.733	1.814	-4.7	72	0.00
11		bis(2-Chloroethyl)ether	1.327	1.337	-0.8	69	0.00
12		1,3-Dichlorobenzene	1.439	1.440	-0.1	70	0.00
13	C	1,4-Dichlorobenzene	1.449	1.441	0.6	69	0.00
14		1,2-Dichlorobenzene	1.378	1.386	-0.6	70	0.00
15		Benzyl Alcohol	1.215	1.191	2.0	66	0.00
16		2,2'-oxybis(1-Chloropropane	2.461	2.499	-1.5	70	0.00
17		2-Methylphenol	1.114	1.094	1.8	68	0.00
18		Hexachloroethane	0.502	0.511	-1.8	70	0.00
19	P	n-Nitroso-di-n-propylamine	1.021	0.977	4.3	67	0.00
20		3+4-Methylphenols	1.351	1.337	1.0	68	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	67	0.00
22		Acetophenone	0.474	0.457	3.6	68	0.00
23	S	Nitrobenzene-d5	0.401	0.409	-2.0	69	0.00
24		Nitrobenzene	0.374	0.383	-2.4	69	0.00
25		Isophorone	0.708	0.690	2.5	67	0.00
26	C	2-Nitrophenol	0.162	0.187	-15.4	73	0.00
27		2,4-Dimethylphenol	0.331	0.324	2.1	67	0.00
28		bis(2-Chloroethoxy)methane	0.425	0.433	-1.9	71	0.00
29	C	2,4-Dichlorophenol	0.279	0.282	-1.1	69	0.00
30		1,2,4-Trichlorobenzene	0.302	0.304	-0.7	70	0.00
31		Naphthalene	0.985	0.982	0.3	69	0.00
32		Benzoic acid	0.169	0.159	5.9	60	0.00
33		4-Chloroaniline	0.402	0.392	2.5	68	0.00
34	C	Hexachlorobutadiene	0.184	0.183	0.5	68	0.00
35		Caprolactam	0.084	0.083	1.2	64	-0.01
36	C	4-Chloro-3-methylphenol	0.303	0.295	2.6	66	0.00
37		2-Methylnaphthalene	0.599	0.594	0.8	69	0.00
38		1-Methylnaphthalene	0.617	0.611	1.0	69	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	0.577	0.599	-3.8	71	0.00
41	P	Hexachlorocyclopentadiene	0.376	0.334	11.2	58	0.00
42	S	2,4,6-Tribromophenol	0.207	0.201	2.9	62	0.00
43	C	2,4,6-Trichlorophenol	0.400	0.381	4.8	65	0.00
44		2,4,5-Trichlorophenol	0.400	0.400	0.0	64	0.00
45	S	2-Fluorobiphenyl	1.462	1.437	1.7	69	0.00
46		1,1'-Biphenyl	1.560	1.573	-0.8	69	0.00
47		2-Chloronaphthalene	1.155	1.154	0.1	68	0.00

Sample Results: **BF143305.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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	0.384	-6.1	66	0.00
49	Acenaphthylene	1.935	1.903	1.7	67	0.00
50	Dimethylphthalate	1.304	1.283	1.6	65	0.00
51	2,6-Dinitrotoluene	0.265	0.279	-5.3	65	0.00
52 C	Acenaphthene	1.144	1.158	-1.2	69	0.00
53	3-Nitroaniline	0.310	0.316	-1.9	65	0.00
54 P	2,4-Dinitrophenol	0.098	0.115	-17.3	72	0.00
55	Dibenzofuran	1.698	1.665	1.9	66	0.00
56 P	4-Nitrophenol	0.232	0.335	-44.4#	89	0.01
57	2,4-Dinitrotoluene	0.333	0.353	-6.0	65	0.00
58	Fluorene	1.274	1.245	2.3	67	0.00
59	2,3,4,6-Tetrachlorophenol	0.331	0.312	5.7	61	0.00
60	Diethylphthalate	1.289	1.251	2.9	64	0.00
61	4-Chlorophenyl-phenylether	0.635	0.635	0.0	68	0.00
62	4-Nitroaniline	0.266	0.267	-0.4	62	0.00
63	Azobenzene	1.343	1.312	2.3	65	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	61	0.00
65	4,6-Dinitro-2-methylphenol	0.094	0.112	-19.1	70	0.00
66 c	n-Nitrosodiphenylamine	0.704	0.716	-1.7	65	0.00
67	4-Bromophenyl-phenylether	0.238	0.245	-2.9	65	0.00
68	Hexachlorobenzene	0.249	0.246	1.2	63	0.00
69	Atrazine	0.194	0.204	-5.2	63	0.00
70 C	Pentachlorophenol	0.147	0.128	12.9	53	0.00
71	Phenanthrene	1.062	1.054	0.8	63	0.00
72	Anthracene	1.083	1.085	-0.2	64	0.00
73	Carbazole	0.946	0.944	0.2	62	0.00
74	Di-n-butylphthalate	1.070	1.178	-10.1	67	0.00
75 C	Fluoranthene	0.975	1.012	-3.8	65	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	74	0.00
77	Benzidine	0.771	0.491	36.3#	38#	0.00
78	Pyrene	1.707	1.555	8.9	67	0.00
79 S	Terphenyl-d14	1.344	1.214	9.7	68	0.00
80	Butylbenzylphthalate	0.523	0.618	-18.2	84	0.00
81	Benzo(a)anthracene	1.339	1.306	2.5	75	0.00
82	3,3'-Dichlorobenzidine	0.446	0.468	-4.9	80	0.00
83	Chrysene	1.204	1.231	-2.2	75	0.00
84	Bis(2-ethylhexyl)phthalate	0.791	0.877	-10.9	82	0.00
85 c	Di-n-octyl phthalate	1.434	1.478	-3.1	79	0.00
86 I	Perylene-d12	1.000	1.000	0.0	79	0.01
87	Indeno(1,2,3-cd)pyrene	1.410	1.401	0.6	79	0.02
88	Benzo(b)fluoranthene	1.222	1.160	5.1	80	0.00
89	Benzo(k)fluoranthene	1.090	1.056	3.1	74	0.01
90 C	Benzo(a)pyrene	1.126	1.108	1.6	78	0.00
91	Dibenzo(a,h)anthracene	1.148	1.123	2.2	78	0.02
92	Benzo(g,h,i)perylene	1.110	1.130	-1.8	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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

Sample Results: **BF143305.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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	68	0.00
2		1,4-Dioxane	40.000	41.578	-3.9	70	-0.03
3		Pyridine	40.000	40.368	-0.9	69	-0.02
4		n-Nitrosodimethylamine	40.000	40.095	-0.2	67	-0.02
5	S	2-Fluorophenol	80.000	79.512	0.6	69	0.00
6		Aniline	40.000	39.906	0.2	68	0.00
7	S	Phenol-d6	80.000	78.974	1.3	68	0.00
8		2-Chlorophenol	40.000	40.127	-0.3	69	0.00
9		Benzaldehyde	40.000	42.378	-5.9	59	0.00
10	C	Phenol	40.000	41.874	-4.7	72	0.00
11		bis(2-Chloroethyl)ether	40.000	40.309	-0.8	69	0.00
12		1,3-Dichlorobenzene	40.000	40.035	-0.1	70	0.00
13	C	1,4-Dichlorobenzene	40.000	39.782	0.5	69	0.00
14		1,2-Dichlorobenzene	40.000	40.219	-0.5	70	0.00
15		Benzyl Alcohol	40.000	39.216	2.0	66	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	40.606	-1.5	70	0.00
17		2-Methylphenol	40.000	39.288	1.8	68	0.00
18		Hexachloroethane	40.000	40.705	-1.8	70	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.282	4.3	67	0.00
20		3+4-Methylphenols	40.000	39.579	1.1	68	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	67	0.00
22		Acetophenone	40.000	38.628	3.4	68	0.00
23	S	Nitrobenzene-d5	80.000	81.610	-2.0	69	0.00
24		Nitrobenzene	40.000	41.008	-2.5	69	0.00
25		Isophorone	40.000	38.953	2.6	67	0.00
26	C	2-Nitrophenol	40.000	45.979	-14.9	73	0.00
27		2,4-Dimethylphenol	40.000	39.176	2.1	67	0.00
28		bis(2-Chloroethoxy)methane	40.000	40.769	-1.9	71	0.00
29	C	2,4-Dichlorophenol	40.000	40.457	-1.1	69	0.00
30		1,2,4-Trichlorobenzene	40.000	40.279	-0.7	70	0.00
31		Naphthalene	40.000	39.867	0.3	69	0.00
32		Benzoic acid	40.000	35.679	10.8	60	0.00
33		4-Chloroaniline	40.000	39.017	2.5	68	0.00
34	C	Hexachlorobutadiene	40.000	39.813	0.5	68	0.00
35		Caprolactam	40.000	39.552	1.1	64	-0.01
36	C	4-Chloro-3-methylphenol	40.000	38.936	2.7	66	0.00
37		2-Methylnaphthalene	40.000	39.633	0.9	69	0.00
38		1-Methylnaphthalene	40.000	39.623	0.9	69	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	65	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	41.479	-3.7	71	0.00
41	P	Hexachlorocyclopentadiene	40.000	35.515	11.2	58	0.00
42	S	2,4,6-Tribromophenol	80.000	77.804	2.7	62	0.00
43	C	2,4,6-Trichlorophenol	40.000	38.169	4.6	65	0.00
44		2,4,5-Trichlorophenol	40.000	40.004	-0.0	64	0.00
45	S	2-Fluorobiphenyl	80.000	78.589	1.8	69	0.00
46		1,1'-Biphenyl	40.000	40.319	-0.8	69	0.00
47		2-Chloronaphthalene	40.000	39.988	0.0	68	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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	42.396	-6.0	66	0.00
49		Acenaphthylene	40.000	39.337	1.7	67	0.00
50		Dimethylphthalate	40.000	39.355	1.6	65	0.00
51		2,6-Dinitrotoluene	40.000	42.105	-5.3	65	0.00
52	C	Acenaphthene	40.000	40.487	-1.2	69	0.00
53		3-Nitroaniline	40.000	40.747	-1.9	65	0.00
54	P	2,4-Dinitrophenol	40.000	41.665	-4.2	72	0.00
55		Dibenzofuran	40.000	39.219	2.0	66	0.00
56	P	4-Nitrophenol	40.000	57.785	-44.5#	89	0.01
57		2,4-Dinitrotoluene	40.000	42.487	-6.2	65	0.00
58		Fluorene	40.000	39.080	2.3	67	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	37.715	5.7	61	0.00
60		Diethylphthalate	40.000	38.833	2.9	64	0.00
61		4-Chlorophenyl-phenylether	40.000	40.037	-0.1	68	0.00
62		4-Nitroaniline	40.000	40.169	-0.4	62	0.00
63		Azobenzene	40.000	39.070	2.3	65	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	61	0.00
65		4,6-Dinitro-2-methylphenol	40.000	43.445	-8.6	70	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.687	-1.7	65	0.00
67		4-Bromophenyl-phenylether	40.000	41.106	-2.8	65	0.00
68		Hexachlorobenzene	40.000	39.488	1.3	63	0.00
69		Atrazine	40.000	41.949	-4.9	63	0.00
70	C	Pentachlorophenol	40.000	34.958	12.6	53	0.00
71		Phenanthrene	40.000	39.699	0.8	63	0.00
72		Anthracene	40.000	40.065	-0.2	64	0.00
73		Carbazole	40.000	39.925	0.2	62	0.00
74		Di-n-butylphthalate	40.000	44.026	-10.1	67	0.00
75	C	Fluoranthene	40.000	41.516	-3.8	65	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	74	0.00
77		Benzidine	40.000	25.479	36.3#	38	0.00
78		Pyrene	40.000	36.445	8.9	67	0.00
79	S	Terphenyl-d14	80.000	72.274	9.7	68	0.00
80		Butylbenzylphthalate	40.000	47.313	-18.3	84	0.00
81		Benzo(a)anthracene	40.000	39.021	2.4	75	0.00
82		3,3'-Dichlorobenzidine	40.000	41.914	-4.8	80	0.00
83		Chrysene	40.000	40.913	-2.3	75	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	44.342	-10.9	82	0.00
85	c	Di-n-octyl phthalate	40.000	41.231	-3.1	79	0.00
86	I	Perylene-d12	20.000	20.000	0.0	79	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.745	0.6	79	0.02
88		Benzo(b)fluoranthene	40.000	37.964	5.1	80	0.00
89		Benzo(k)fluoranthene	40.000	38.750	3.1	74	0.01
90	C	Benzo(a)pyrene	40.000	39.371	1.6	78	0.00
91		Dibenzo(a,h)anthracene	40.000	39.120	2.2	78	0.02
92		Benzo(g,h,i)perylene	40.000	40.700	-1.8	81	0.02

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143305.D
Acq On : 05 Aug 2025 10:00
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 05 10:19:56 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.: Q2747
Instrument ID: BNA_F
Calibration Date/Time: 08/05/2025 16:54
Lab File ID: BF143319.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	1.292		2.2	50.0
Phenol-d6	1.591	1.556		-2.2	50.0
Nitrobenzene-d5	0.401	0.430		7.2	50.0
Naphthalene	0.985	0.976		-0.9	50.0
2-Methylnaphthalene	0.599	0.558		-6.8	50.0
2-Fluorobiphenyl	1.462	1.573		7.6	50.0
Acenaphthylene	1.935	1.945		0.5	50.0
Acenaphthene	1.144	1.091		-4.6	50.0
Fluorene	1.274	1.229		-3.5	50.0
2,4,6-Tribromophenol	0.207	0.190		-8.2	50.0
Phenanthrene	1.062	1.061		-0.1	50.0
Anthracene	1.083	1.105		2.0	50.0
Fluoranthene	0.975	1.229		26.1	50.0
Pyrene	1.707	1.487		-12.9	50.0
Terphenyl-d14	1.344	1.156		-14.0	50.0
Benzo(a)anthracene	1.339	1.342		0.2	50.0
Chrysene	1.204	1.141		-5.2	50.0
Benzo(b)fluoranthene	1.222	1.276		4.4	50.0
Benzo(k)fluoranthene	1.090	1.280		17.4	50.0
Benzo(a)pyrene	1.126	1.135		0.8	50.0
Indeno(1,2,3-cd)pyrene	1.410	1.177		-16.5	50.0
Dibenzo(a,h)anthracene	1.148	0.958		-16.6	50.0
Benzo(g,h,i)perylene	1.110	0.931		-16.1	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\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 11:16:26 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 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	115829	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	403036	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	172118	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	266991	20.000	ng	0.00
76) Chrysene-d12	14.133	240	225915	20.000	ng	0.01
86) Perylene-d12	15.645	264	164343	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	598473	81.764	ng	0.01
7) Phenol-d6	6.598	99	720943	78.253	ng	0.01
23) Nitrobenzene-d5	7.528	82	692854	85.691	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	131149	73.759	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1083208	86.070	ng	0.00
79) Terphenyl-d14	13.074	244	1044774	68.820	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.787	88	148776	42.956	ng	99
3) Pyridine	3.575	79	365673	40.678	ng	99
4) n-Nitrosodimethylamine	3.510	42	191235	41.203	ng	96
6) Aniline	6.628	93	487661	37.980	ng	96
8) 2-Chlorophenol	6.757	128	304529	39.692	ng	97
9) Benzaldehyde	6.516	77	299235	43.315	ng	99
10) Phenol	6.610	94	408897	40.741	ng	92
11) bis(2-Chloroethyl)ether	6.693	93	311935	40.592	ng	99
12) 1,3-Dichlorobenzene	6.910	146	330958	39.709	ng	99
13) 1,4-Dichlorobenzene	6.987	146	332099	39.566	ng	99
14) 1,2-Dichlorobenzene	7.140	146	315356	39.503	ng	98
15) Benzyl Alcohol	7.104	79	272514	38.739	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	562635	39.468	ng	93
17) 2-Methylphenol	7.216	107	245244	38.016	ng	99
18) Hexachloroethane	7.481	117	92374	31.791	ng	99
19) n-Nitroso-di-n-propyla...	7.375	70	217374	36.776	ng	98
20) 3+4-Methylphenols	7.369	107	290249	37.084	ng #	72
22) Acetophenone	7.369	105	396296	41.532	ng	95
24) Nitrobenzene	7.545	77	321496	42.649	ng	99
25) Isophorone	7.781	82	583128	40.854	ng	99
26) 2-Nitrophenol	7.857	139	81014	24.763	ng	98
27) 2,4-Dimethylphenol	7.898	122	260882	39.121	ng	98
28) bis(2-Chloroethoxy)met...	7.987	93	362892	42.404	ng	99
29) 2,4-Dichlorophenol	8.104	162	212334	37.756	ng	100
30) 1,2,4-Trichlorobenzene	8.187	180	241950	39.822	ng	100
31) Naphthalene	8.269	128	786998	39.649	ng	100
32) Benzoic acid	7.975	122	90853m	26.755	ng	
33) 4-Chloroaniline	8.310	127	320214	39.509	ng	100
34) Hexachlorobutadiene	8.387	225	150342	40.507	ng	100
35) Caprolactam	8.675	113	67702	39.838	ng	98
36) 4-Chloro-3-methylphenol	8.792	107	212318	34.734	ng	97
37) 2-Methylnaphthalene	8.957	142	450138	37.268	ng	100
38) 1-Methylnaphthalene	9.057	142	463577	37.272	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	218890	44.049	ng	98
41) Hexachlorocyclopentadiene	9.116	237	10105	3.125	ng	98
43) 2,4,6-Trichlorophenol	9.239	196	127779	37.154	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 11:16:26 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 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.281	196	129763	37.720 ng		98
46) 1,1'-Biphenyl	9.422	154	580633	43.239 ng		99
47) 2-Chloronaphthalene	9.451	162	411529	41.417 ng		99
48) 2-Nitroaniline	9.539	65	150901	48.428 ng		99
49) Acenaphthylene	9.863	152	669468	40.205 ng		100
50) Dimethylphthalate	9.716	163	495822	44.194 ng		100
51) 2,6-Dinitrotoluene	9.775	165	87635	38.398 ng		99
52) Acenaphthene	10.039	154	375398	38.143 ng		97
53) 3-Nitroaniline	9.945	138	131107	49.113 ng		98
54) 2,4-Dinitrophenol	10.057	184	443	7.056 ng	#	1
55) Dibenzofuran	10.210	168	571344	39.101 ng		98
56) 4-Nitrophenol	10.110	139	118907	59.649 ng		94
57) 2,4-Dinitrotoluene	10.181	165	104606	36.532 ng		94
58) Fluorene	10.551	166	423115	38.582 ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	104348	36.617 ng		97
60) Diethylphthalate	10.416	149	461013	41.574 ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	214710	39.319 ng		99
62) 4-Nitroaniline	10.557	138	119776	52.351 ng		98
63) Azobenzene	10.698	77	440989	38.157 ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	1441	6.326 ng	#	64
66) n-Nitrosodiphenylamine	10.657	169	376391	40.035 ng		99
67) 4-Bromophenyl-phenylether	11.033	248	123055	38.674 ng		96
68) Hexachlorobenzene	11.104	284	123569	37.156 ng		99
69) Atrazine	11.180	200	97197	37.500 ng		99
70) Pentachlorophenol	11.298	266	58301	29.810 ng		100
71) Phenanthrene	11.516	178	566802	39.982 ng		99
72) Anthracene	11.569	178	590204	40.821 ng		99
73) Carbazole	11.716	167	564156	44.686 ng		100
74) Di-n-butylphthalate	12.045	149	658512	46.098 ng		99
75) Fluoranthene	12.704	202	656053	50.419 ng		99
77) Benzidine	12.822	184	221504	25.449 ng		99
78) Pyrene	12.939	202	671894	34.848 ng		99
80) Butylbenzylphthalate	13.545	149	291998	49.458 ng		99
81) Benzo(a)anthracene	14.121	228	606515	40.100 ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	192778	38.242 ng		99
83) Chrysene	14.163	228	515742	37.926 ng		100
84) Bis(2-ethylhexyl)phtha...	14.104	149	418675	46.851 ng		99
85) Di-n-octyl phthalate	14.721	149	678536	41.890 ng		100
87) Indeno(1,2,3-cd)pyrene	17.198	276	386942	33.390 ng		99
88) Benzo(b)fluoranthene	15.198	252	419253	41.759 ng		99
89) Benzo(k)fluoranthene	15.227	252	420715	46.960 ng		99
90) Benzo(a)pyrene	15.580	252	373155	40.340 ng		98
91) Dibenzo(a,h)anthracene	17.209	278	315027	33.399 ng		99
92) Benzo(g,h,i)perylene	17.662	276	306065	33.545 ng		98

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

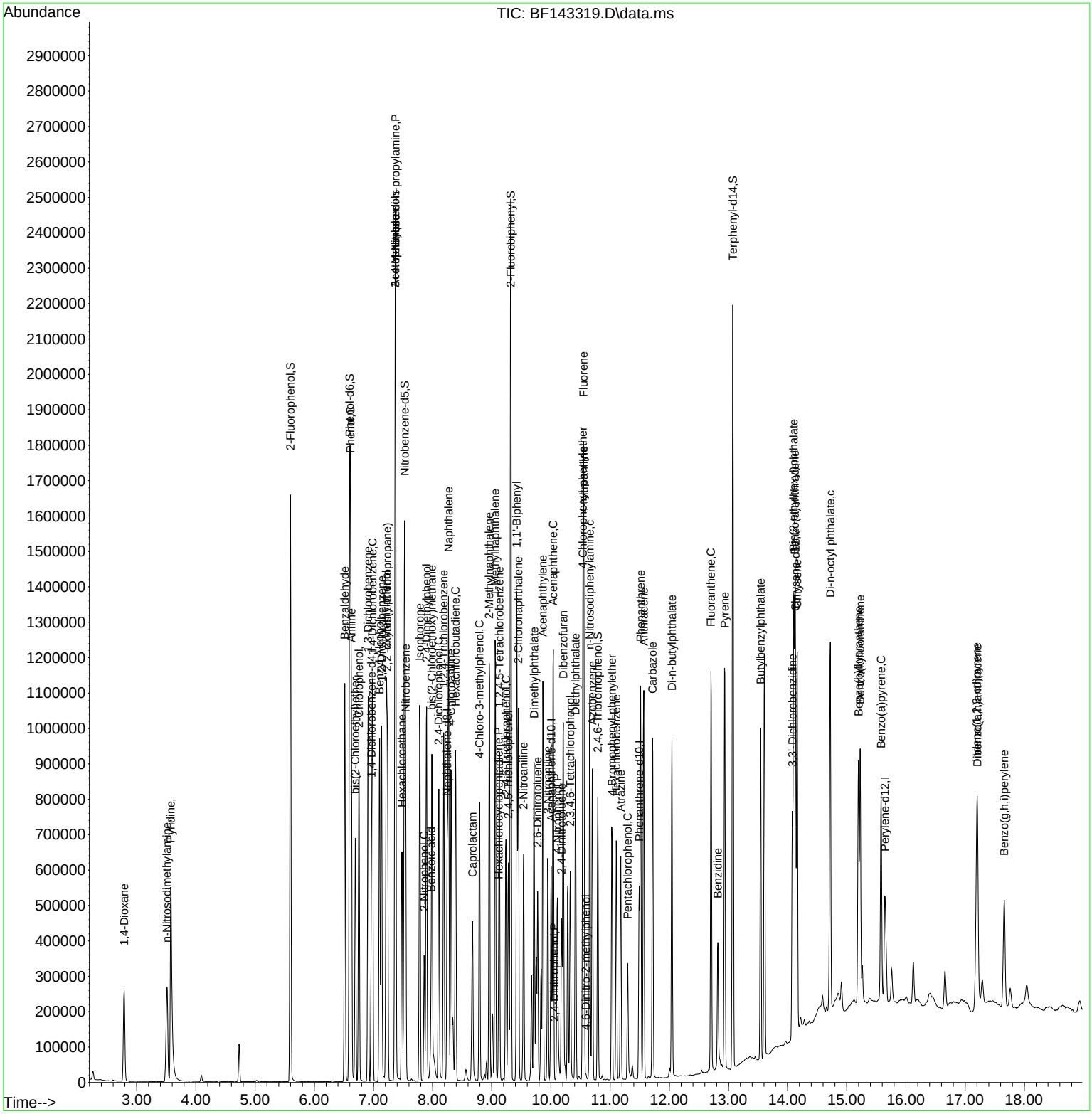
Sample Results: **BF143319.D**

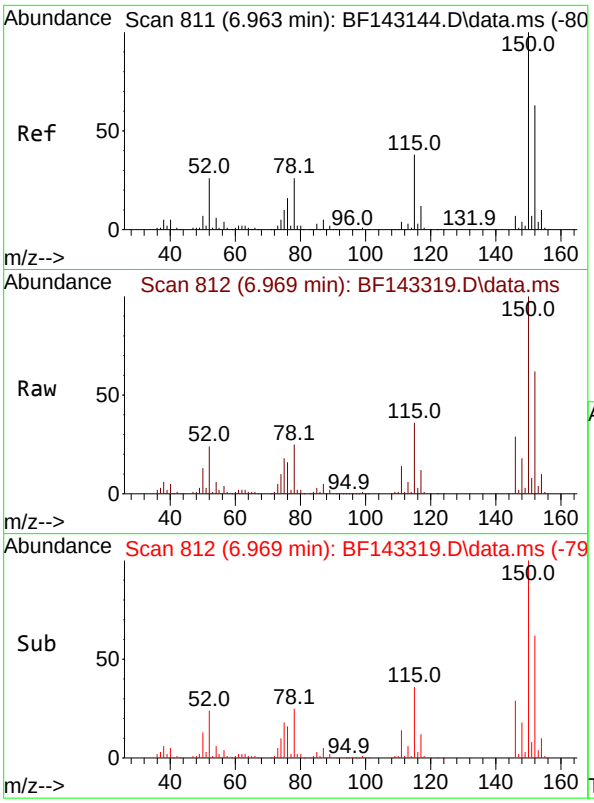
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 06 11:16:26 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 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

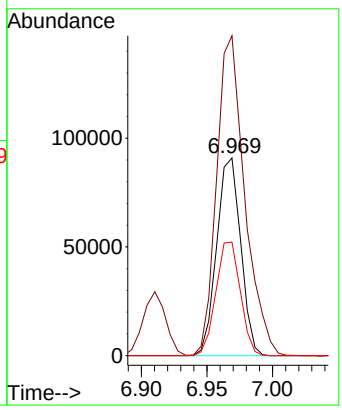
Tgt Ion:152 Resp: 115829

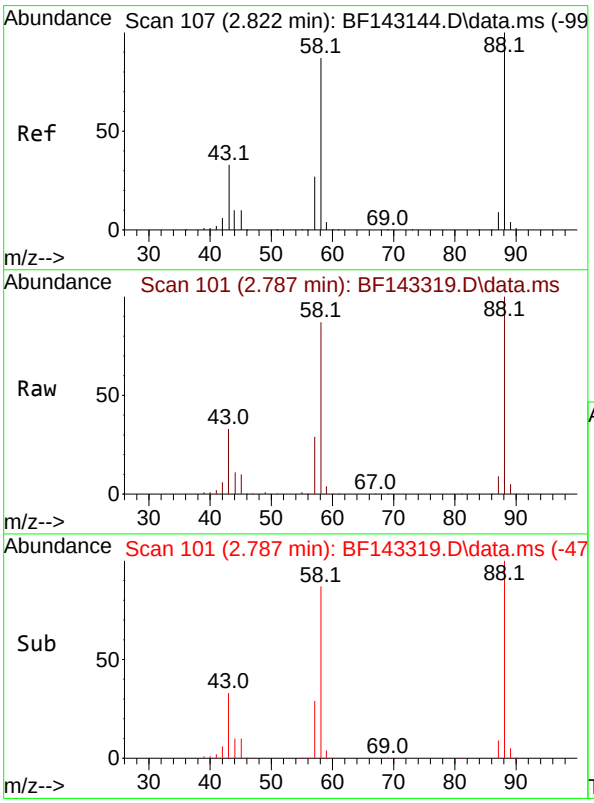
Ion	Ratio	Lower	Upper
152	100		
150	161.8	128.2	192.4
115	57.5	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

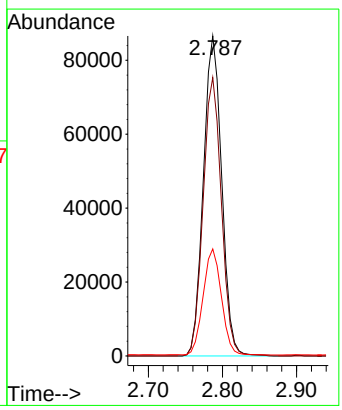


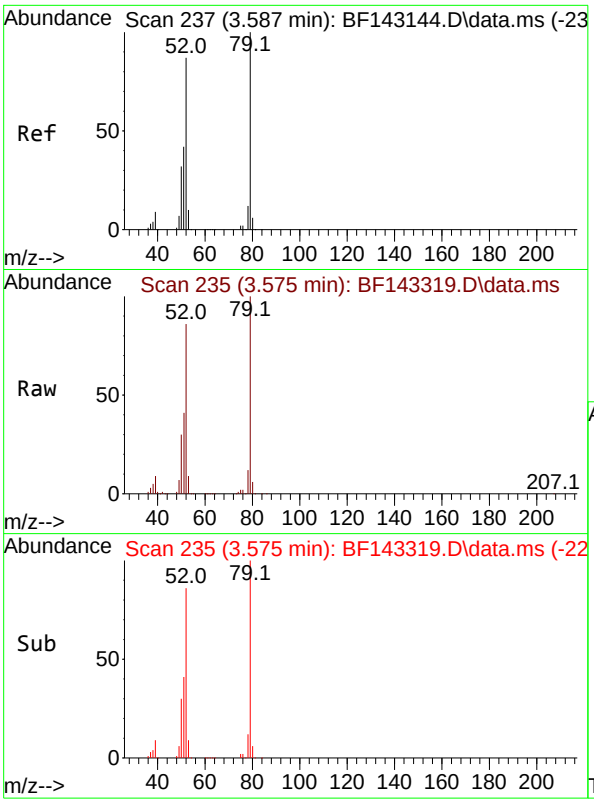


#2
1,4-Dioxane
Concen: 42.956 ng
RT: 2.787 min Scan# 101
Delta R.T. -0.035 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 88 Resp: 148776

Ion	Ratio	Lower	Upper
88	100		
58	86.9	70.2	105.2
43	33.1	27.1	40.7





#3
Pyridine
Concen: 40.678 ng
RT: 3.575 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

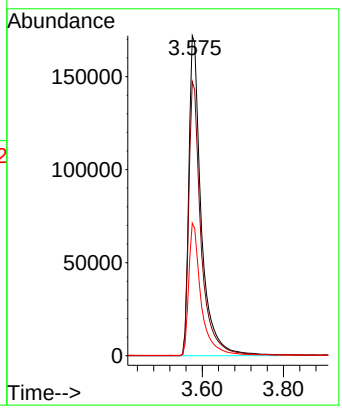
Tgt Ion: 79 Resp: 36567

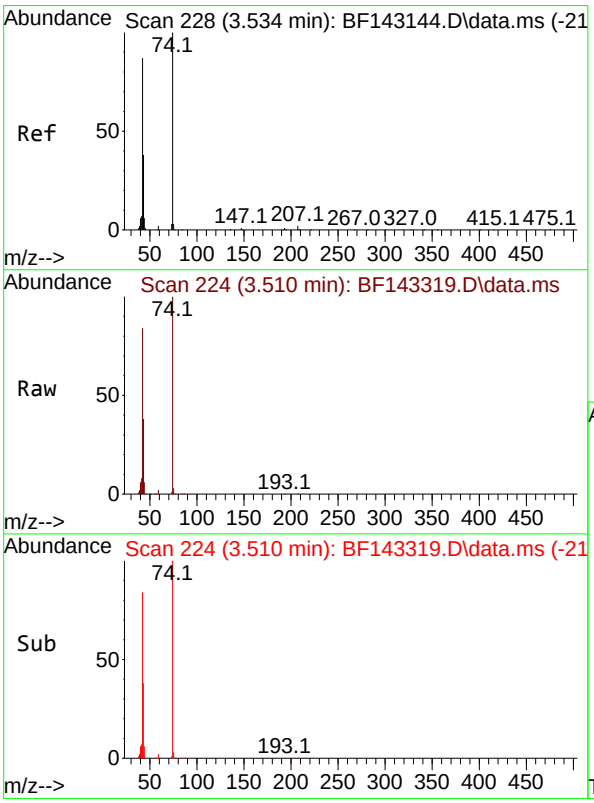
Ion	Ratio	Lower	Upper
79	100		
52	85.6	69.4	104.2
51	41.4	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

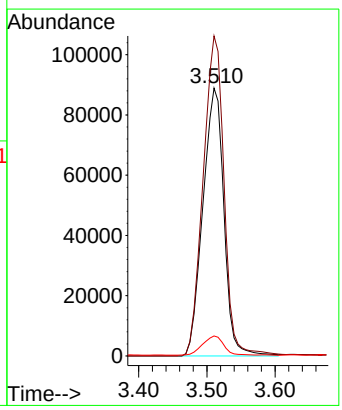


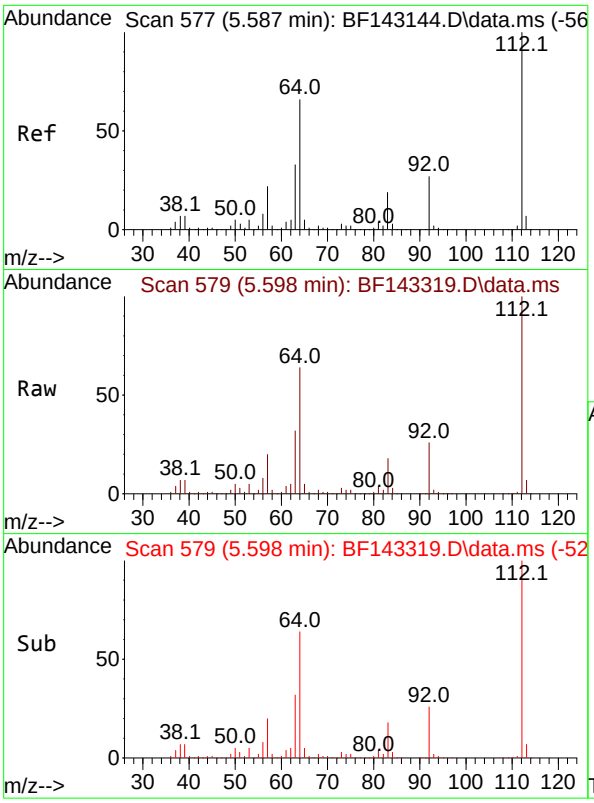


#4
n-Nitrosodimethylamine
Concen: 41.203 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 42 Resp: 191235

Ion	Ratio	Lower	Upper
42	100		
74	119.4	91.7	137.5
44	7.4	5.6	8.4





#5
2-Fluorophenol
Concen: 81.764 ng
RT: 5.598 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

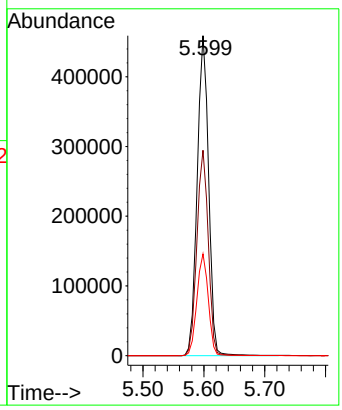
Tgt Ion:112 Resp: 59847

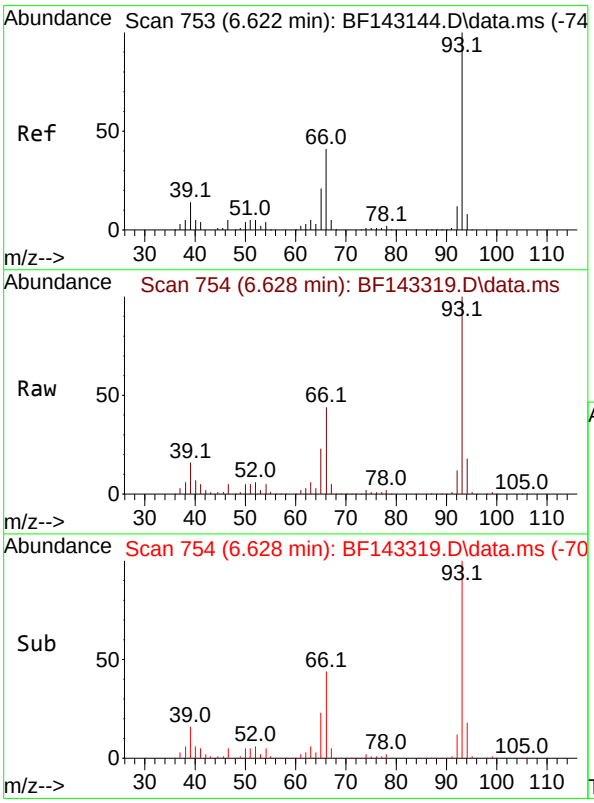
Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.1	79.7
63	31.8	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

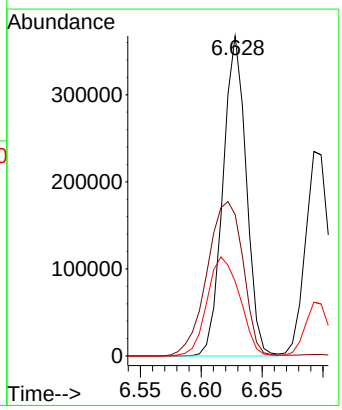


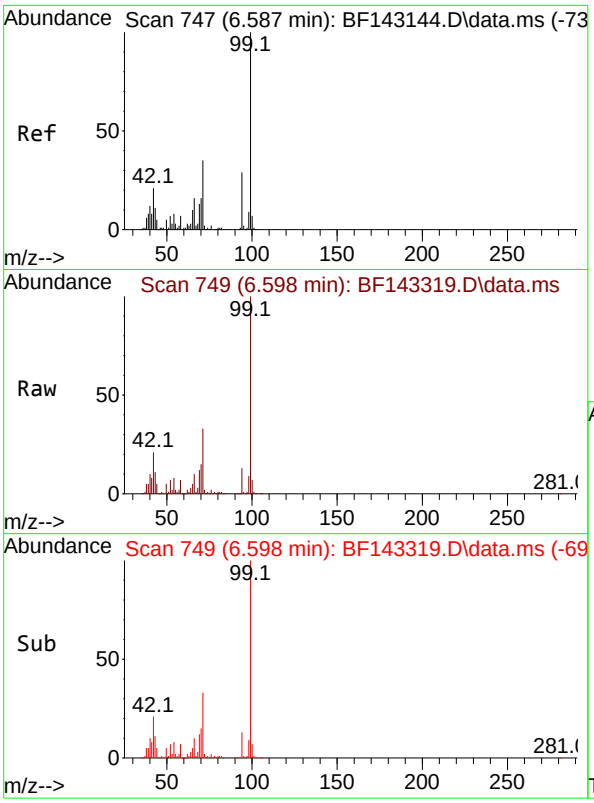


#6
Aniline
Concen: 37.980 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 93 Resp: 487661

Ion	Ratio	Lower	Upper
93	100		
66	44.2	33.2	49.8
65	23.3	16.9	25.3





#7
Phenol-d6
Concen: 78.253 ng
RT: 6.598 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

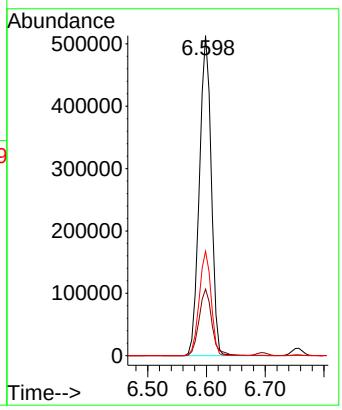
Tgt Ion: 99 Resp: 72094

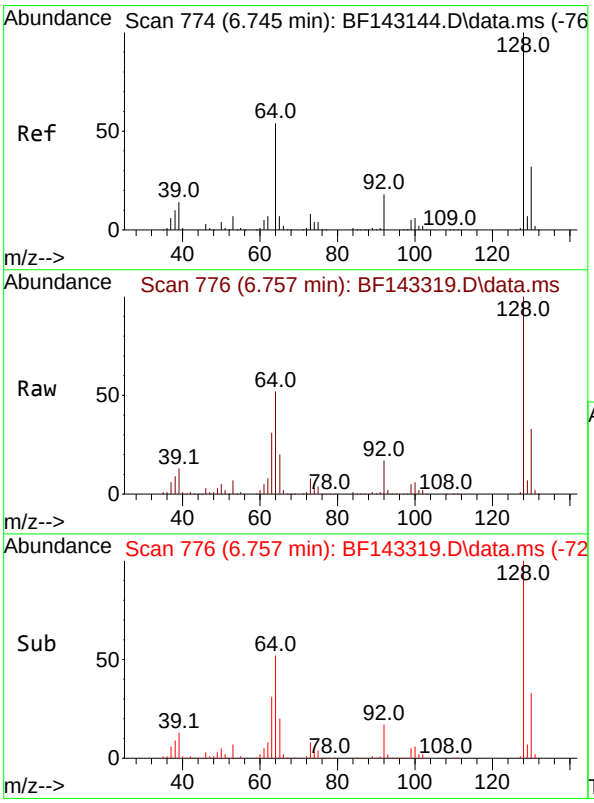
Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	32.6	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

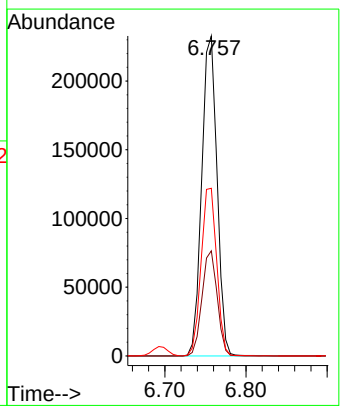


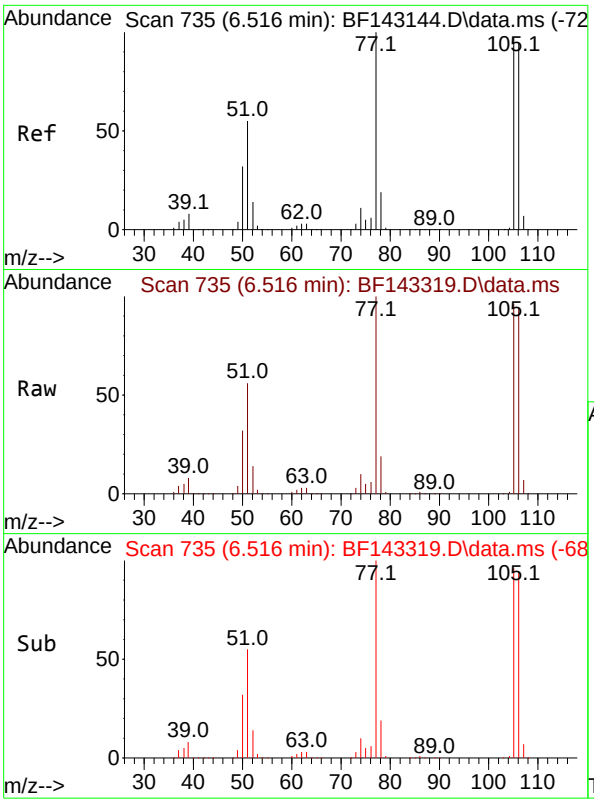


#8
2-Chlorophenol
Concen: 39.692 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:128 Resp: 304529

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	52.4	35.9	75.9





#9
Benzaldehyde
Concen: 43.315 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

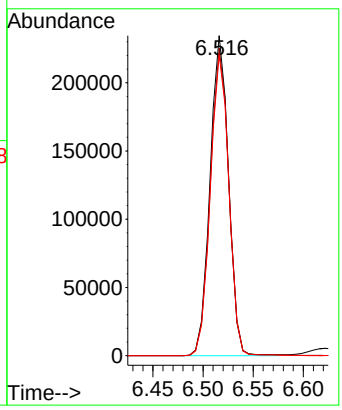
Tgt Ion: 77 Resp: 29923

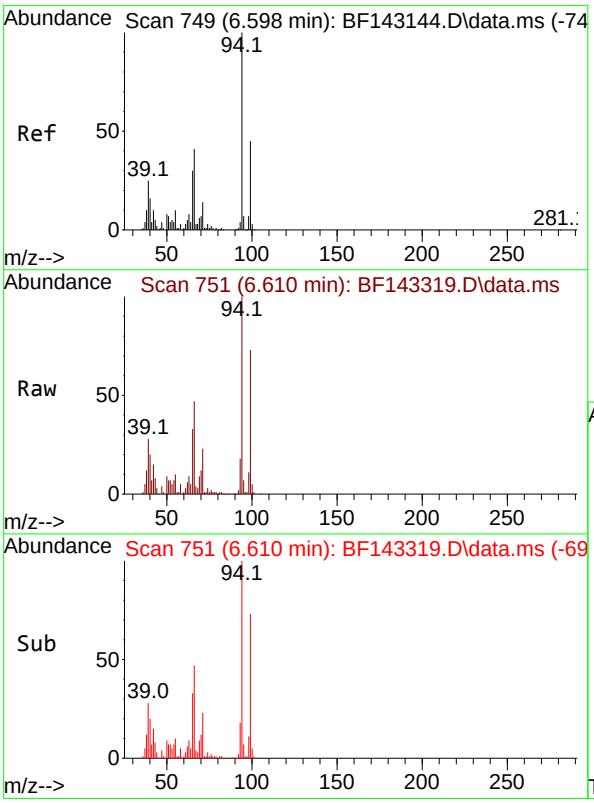
Ion	Ratio	Lower	Upper
77	100		
105	96.1	76.8	116.8
106	94.1	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

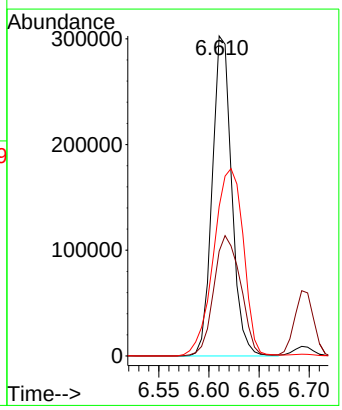


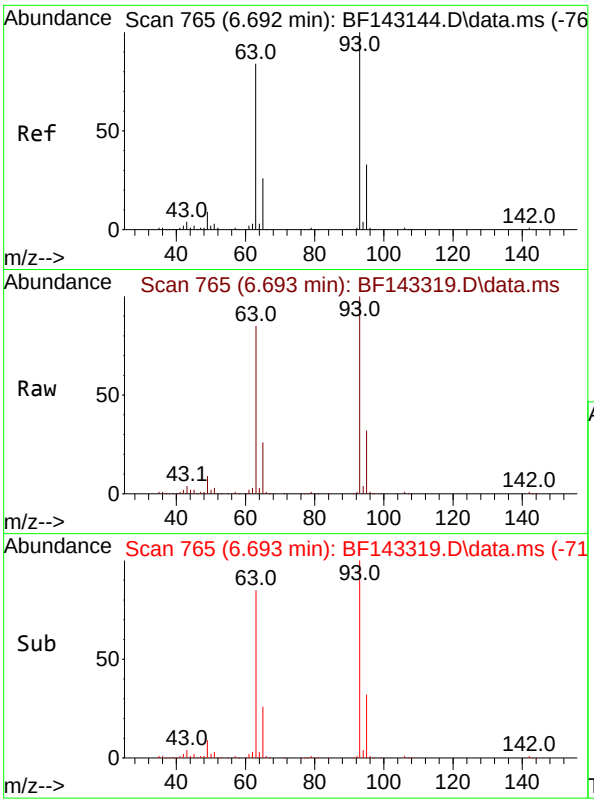


#10
Phenol
Concen: 40.741 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 94 Resp: 408897

Ion	Ratio	Lower	Upper
94	100		
65	32.7	10.0	50.0
66	46.7	20.8	60.8





#11
bis(2-Chloroethyl)ether
Concen: 40.592 ng
RT: 6.693 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

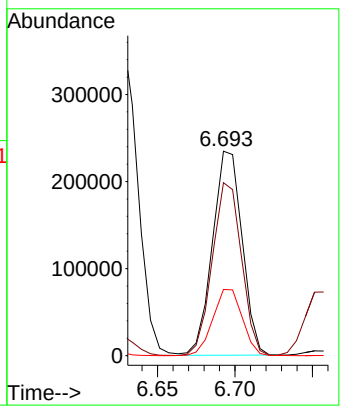
Tgt Ion: 93 Resp: 31193

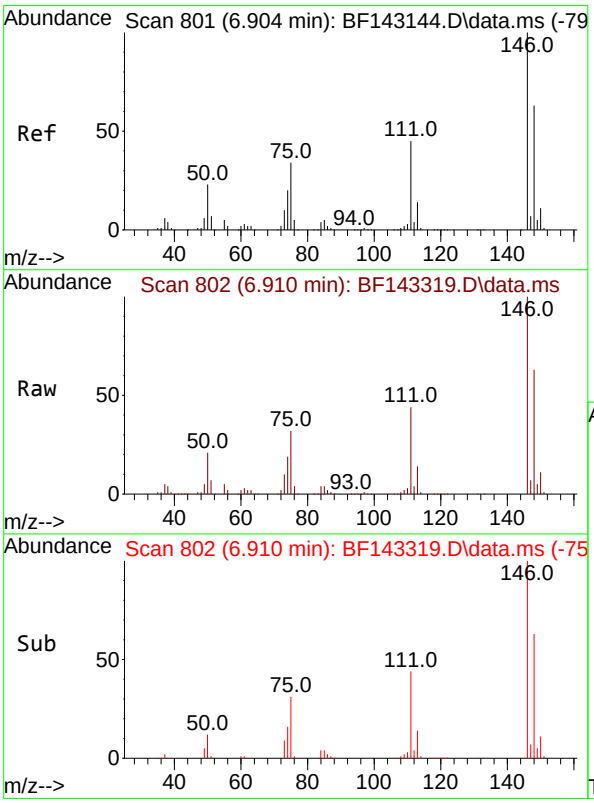
Ion	Ratio	Lower	Upper
93	100		
63	84.6	63.4	103.4
95	32.4	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

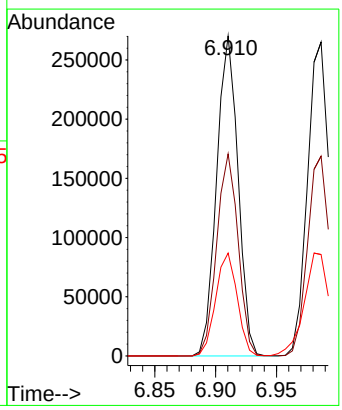


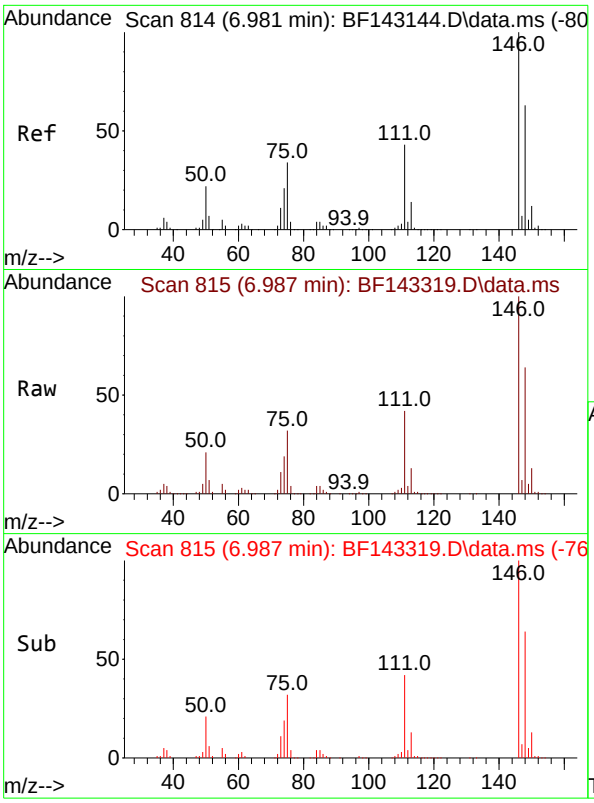


#12
1,3-Dichlorobenzene
Concen: 39.709 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:146 Resp: 330958

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
75	32.2	27.4	41.2





#13
1,4-Dichlorobenzene
Concen: 39.566 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

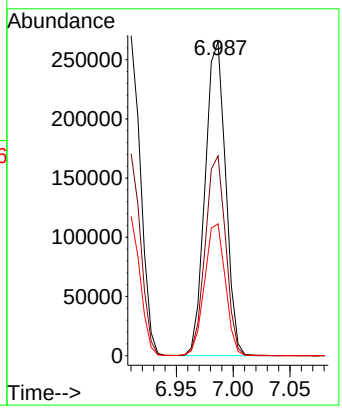
Tgt Ion:146 Resp: 332099

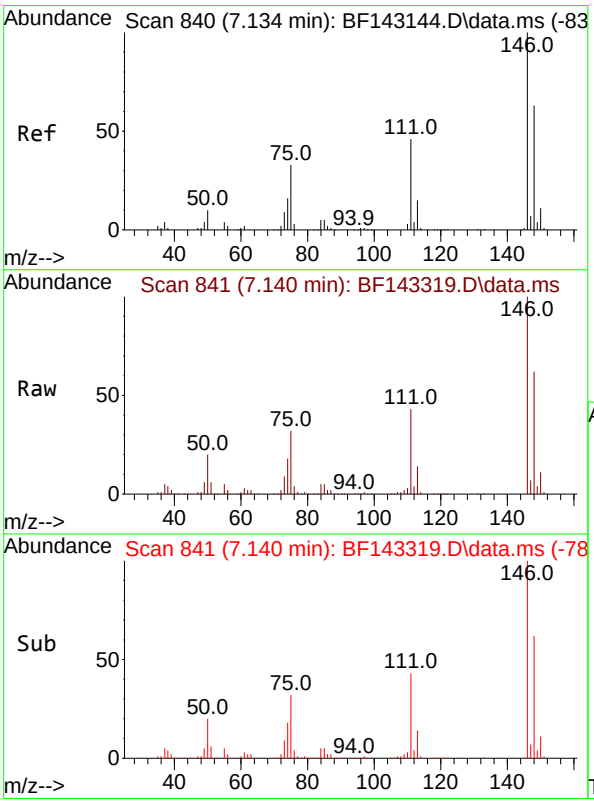
Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.3	75.5
111	42.0	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

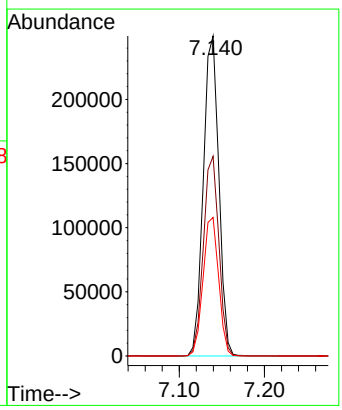


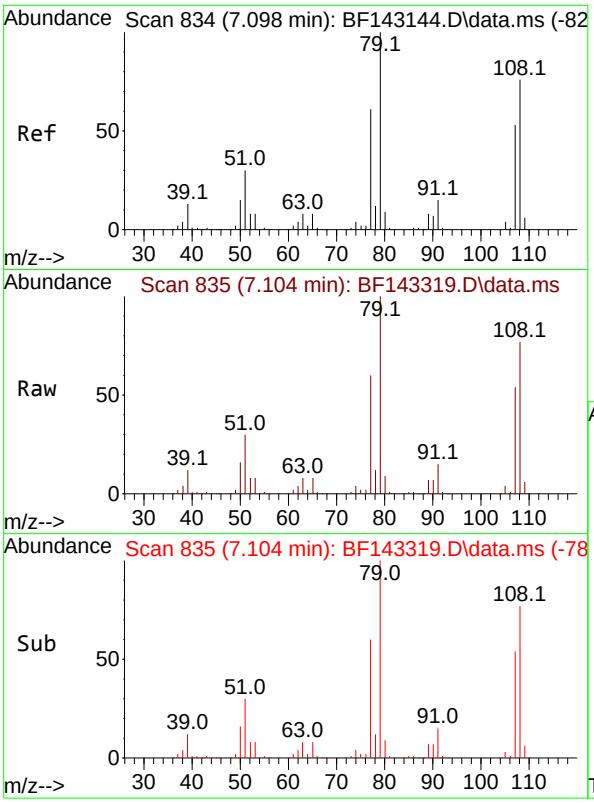


#14
1,2-Dichlorobenzene
Concen: 39.503 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:146 Resp: 315356

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.7	76.1
111	43.3	36.6	54.8





#15
Benzyl Alcohol
Concen: 38.739 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

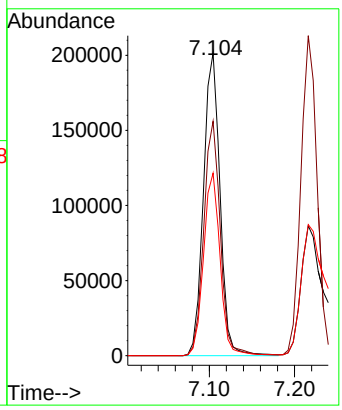
Tgt Ion: 79 Resp: 27251

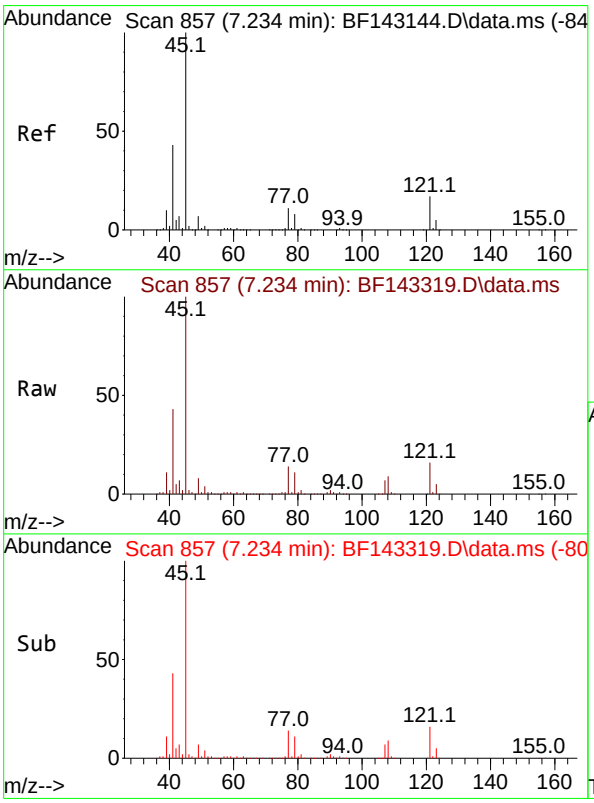
Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.1	91.7
77	60.3	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

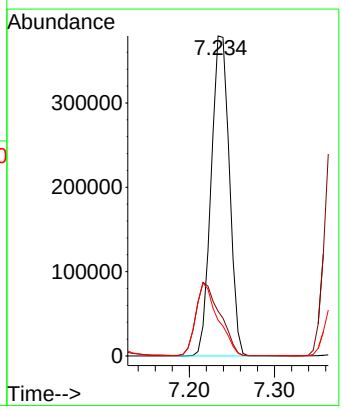


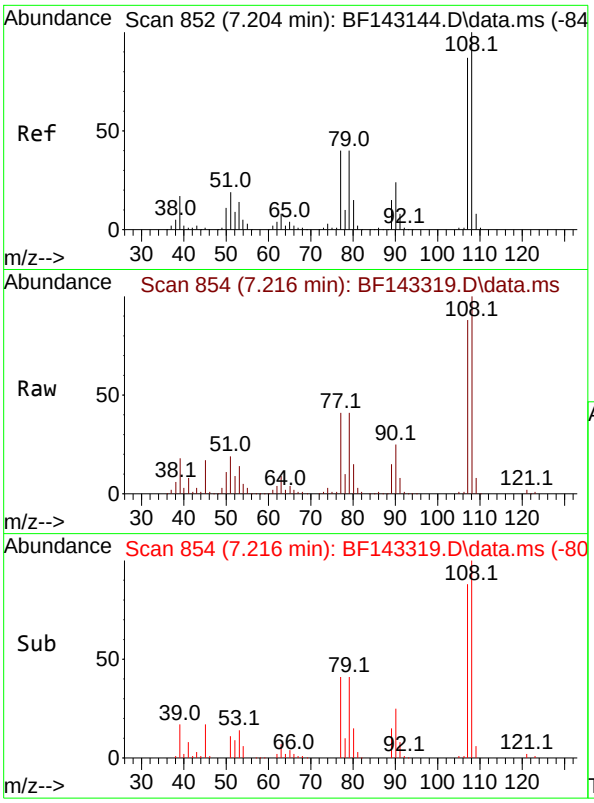


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.468 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 45 Resp: 562635

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	31.2
79	11.2	0.0	28.5

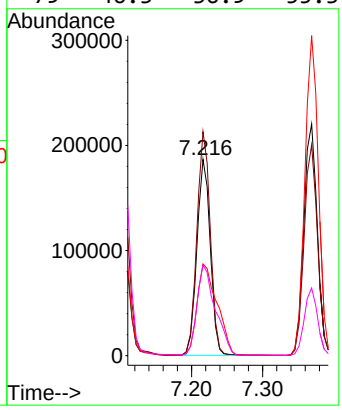




#17
2-Methylphenol
Concen: 38.016 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:107 Resp: 24524

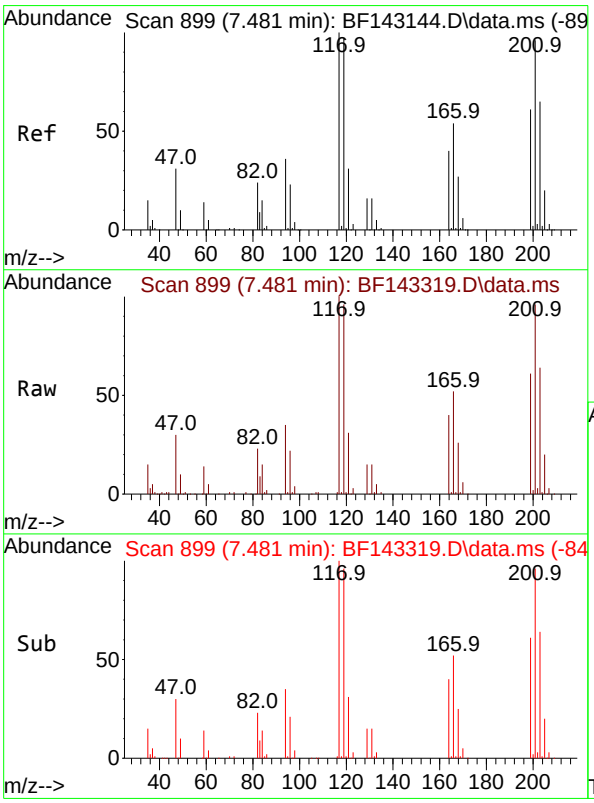
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.8	137.6
77	46.7	37.0	55.6
79	46.3	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

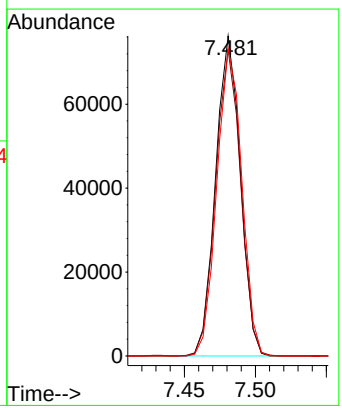
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

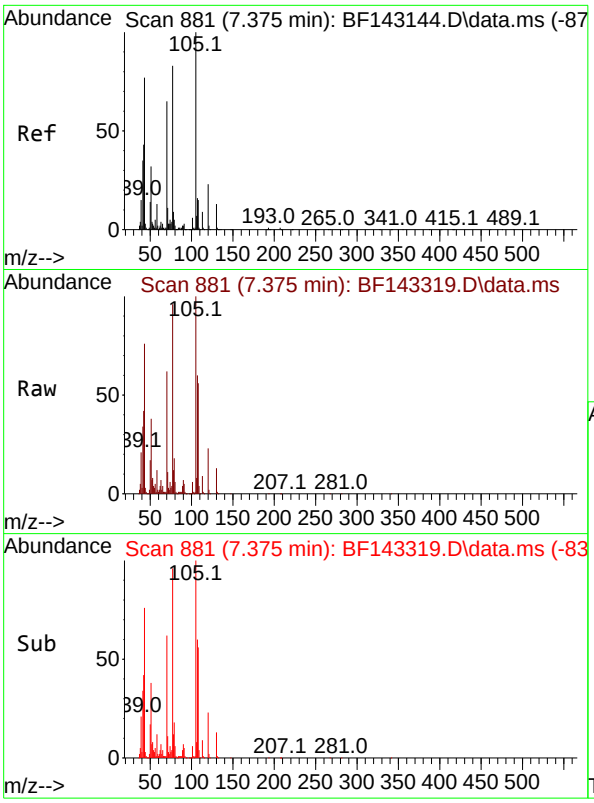


#18
Hexachloroethane
Concen: 31.791 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:117 Resp: 92374

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.8
201	96.0	77.0	115.4





#19
n-Nitroso-di-n-propylamine
Concen: 36.776 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

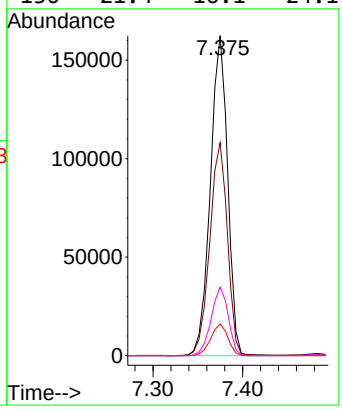
Tgt Ion: 70 Resp: 21737

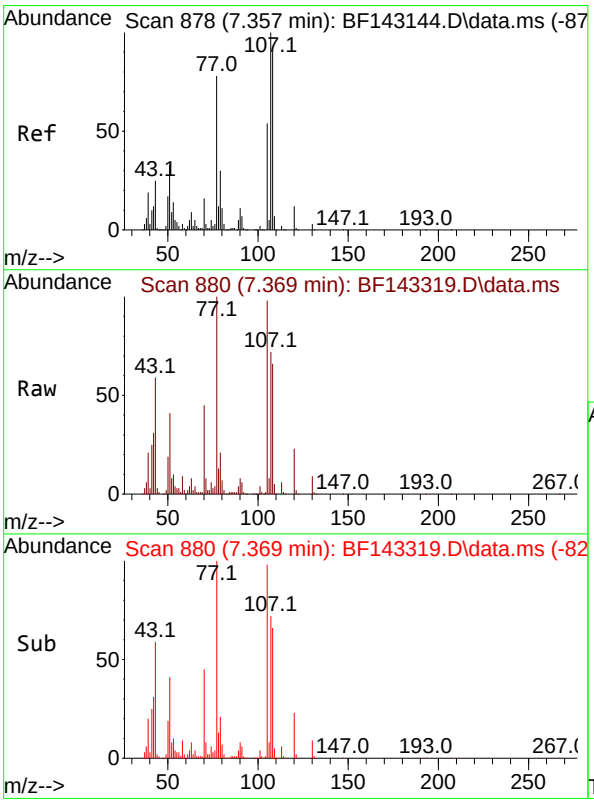
Ion	Ratio	Lower	Upper
70	100		
42	66.5	52.5	78.7
101	9.9	7.6	11.4
130	21.4	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

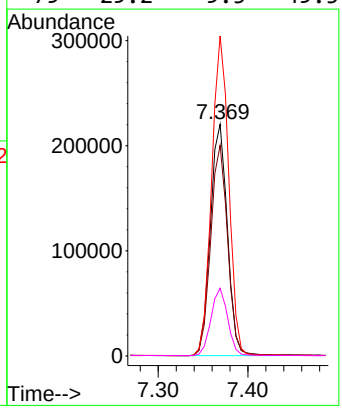


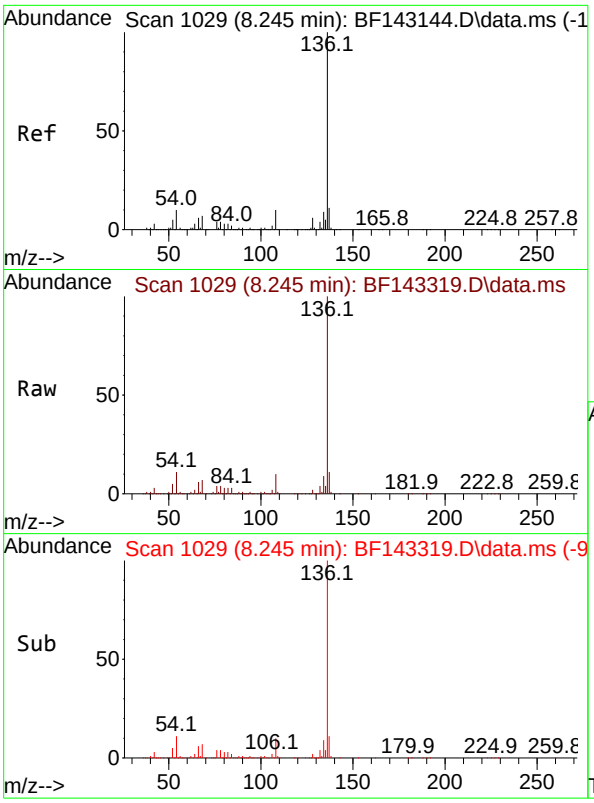


#20
3+4-Methylphenols
Concen: 37.084 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:107 Resp: 290249

Ion	Ratio	Lower	Upper
107	100		
108	90.9	70.0	110.0
77	138.1	57.8	97.8#
79	29.2	9.5	49.5

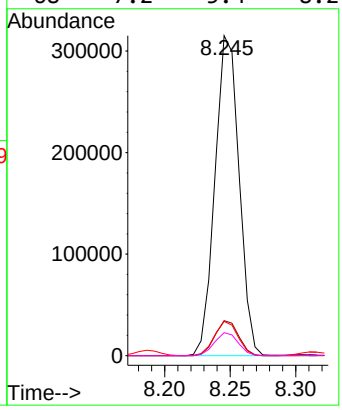




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:136 Resp: 40303(

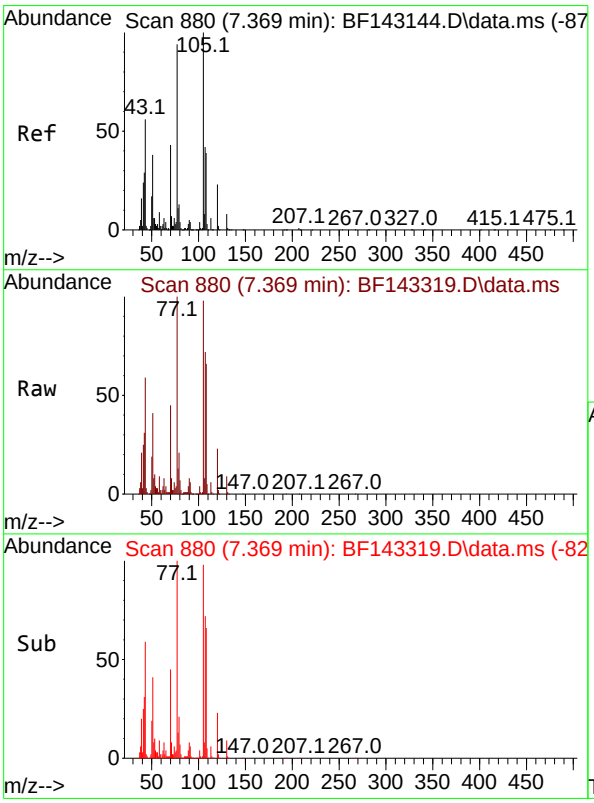
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.7	8.2	12.2
68	7.2	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

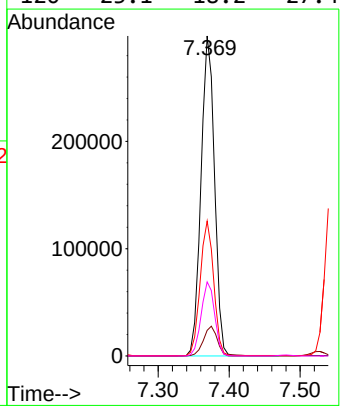
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

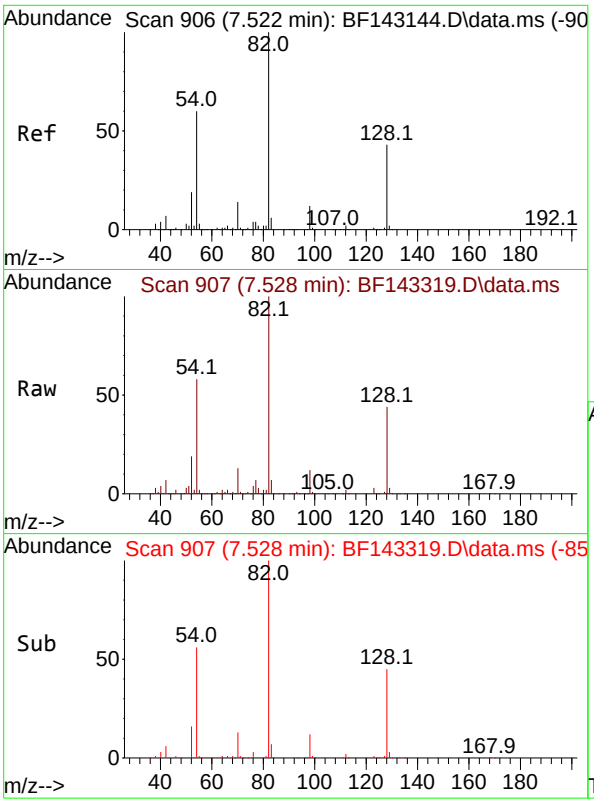


#22
Acetophenone
Concen: 41.532 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:105 Resp: 396296

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.6
51	42.2	30.2	45.2
120	23.1	18.2	27.4





#23
Nitrobenzene-d5
Concen: 85.691 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

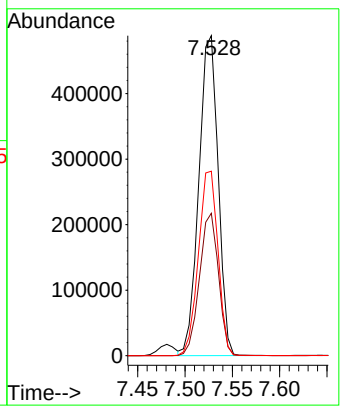
Tgt Ion: 82 Resp: 69285

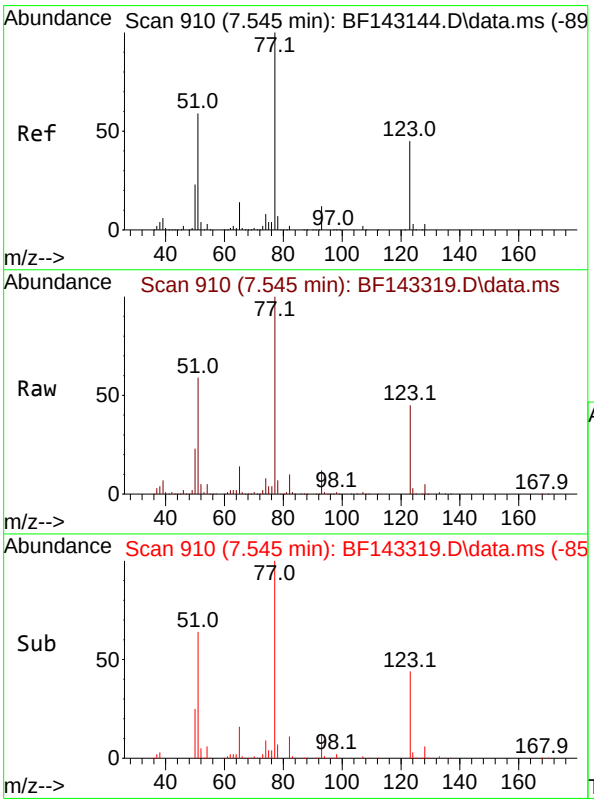
Ion	Ratio	Lower	Upper
82	100		
128	44.5	33.6	50.4
54	57.7	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

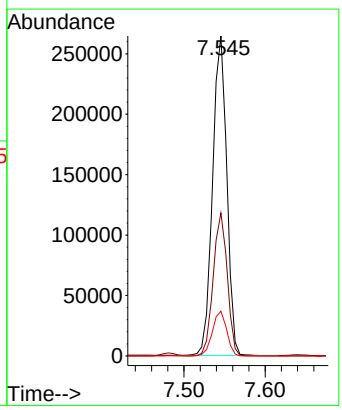


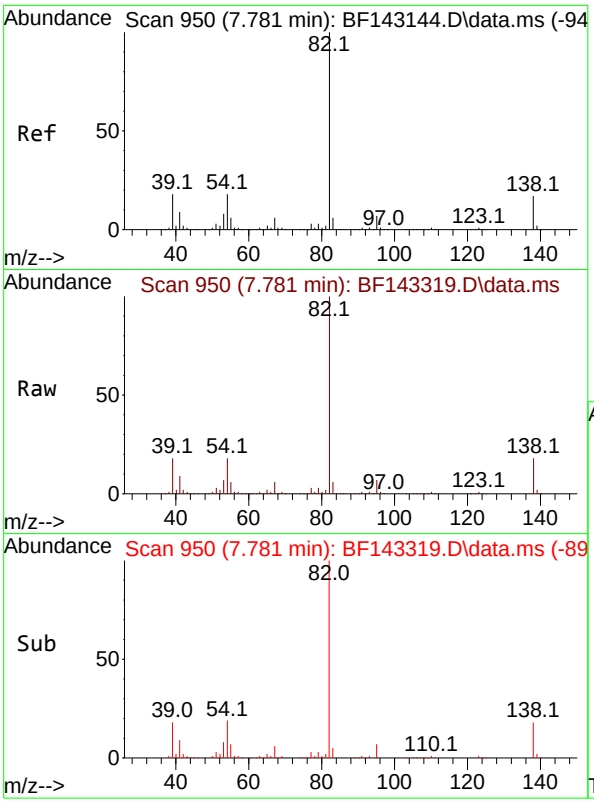


#24
Nitrobenzene
Concen: 42.649 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 77 Resp: 321496

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.1	54.1
65	14.0	11.4	17.2





#25
Isophorone
Concen: 40.854 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

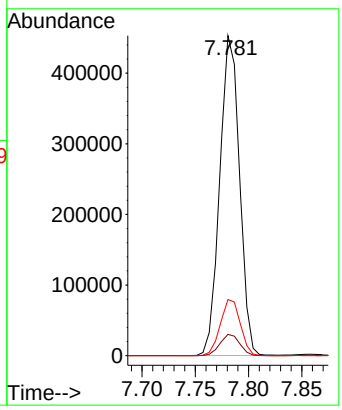
Tgt Ion: 82 Resp: 58312

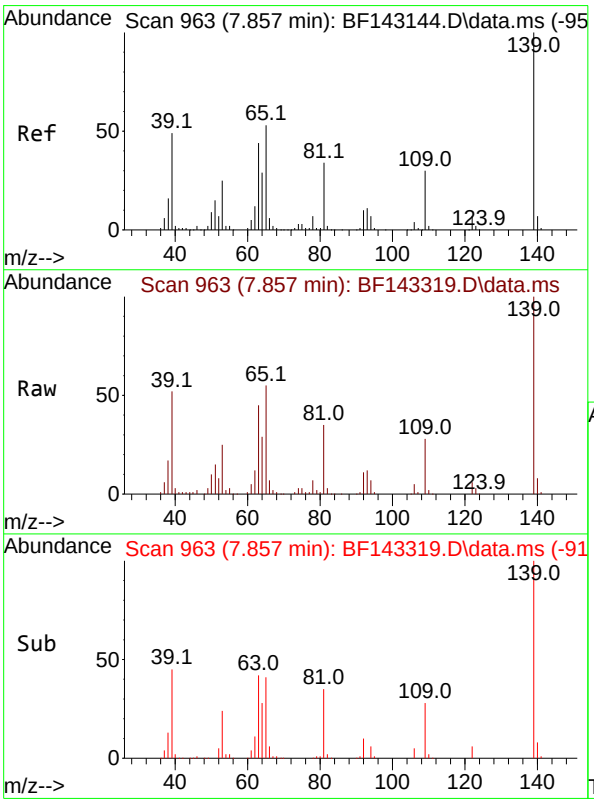
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.6	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

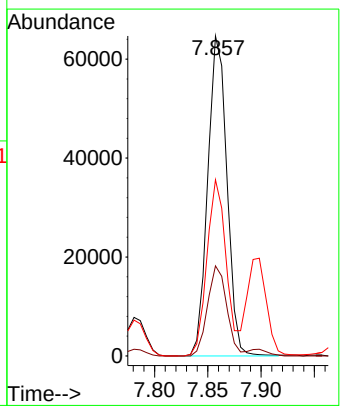


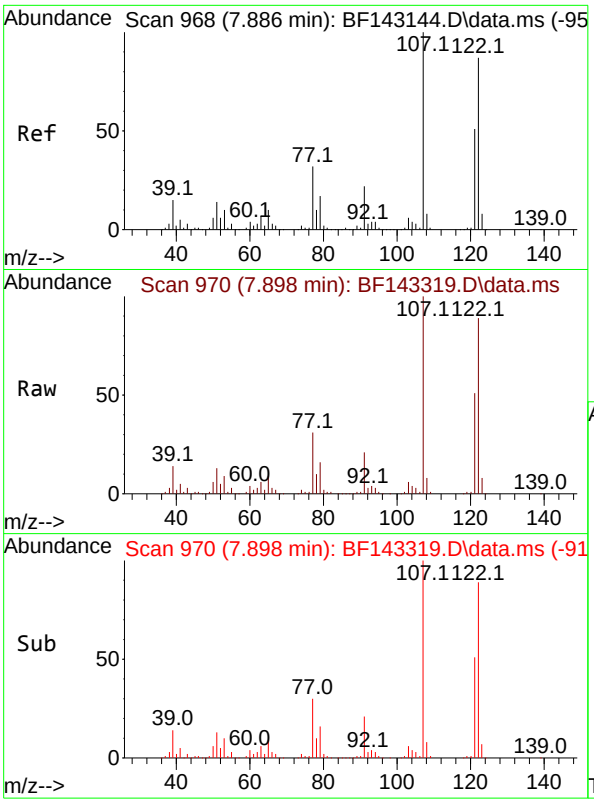


#26
2-Nitrophenol
Concen: 24.763 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:139 Resp: 81014

Ion	Ratio	Lower	Upper
139	100		
109	28.2	23.6	35.4
65	55.1	42.6	64.0





#27
2,4-Dimethylphenol
Concen: 39.121 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

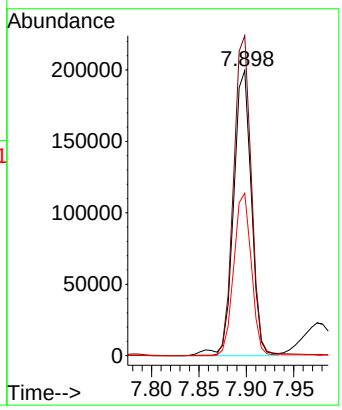
Tgt Ion:122 Resp: 26088

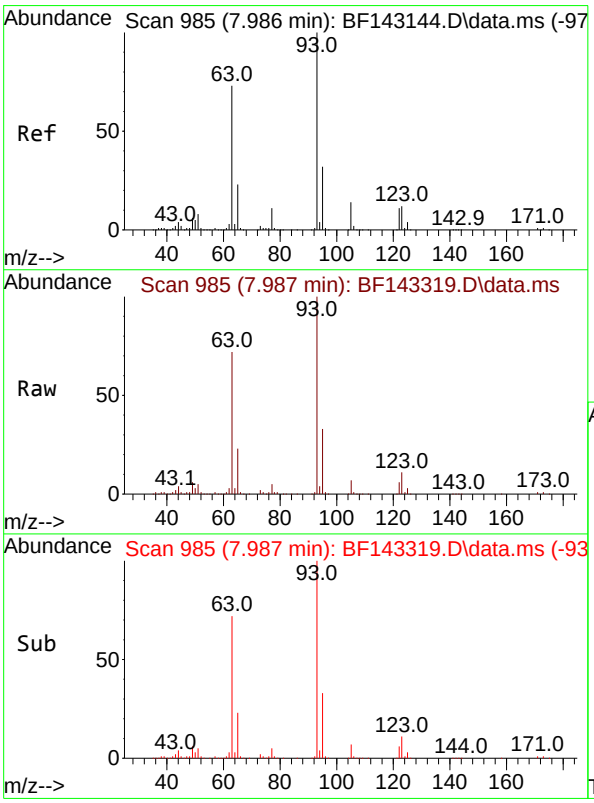
Ion	Ratio	Lower	Upper
122	100		
107	112.2	91.8	137.6
121	57.0	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

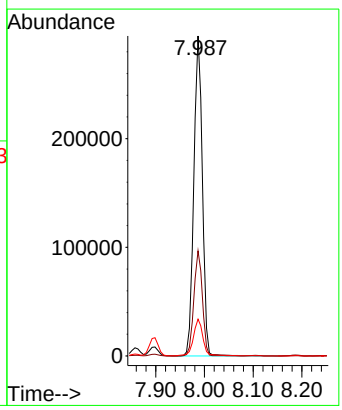


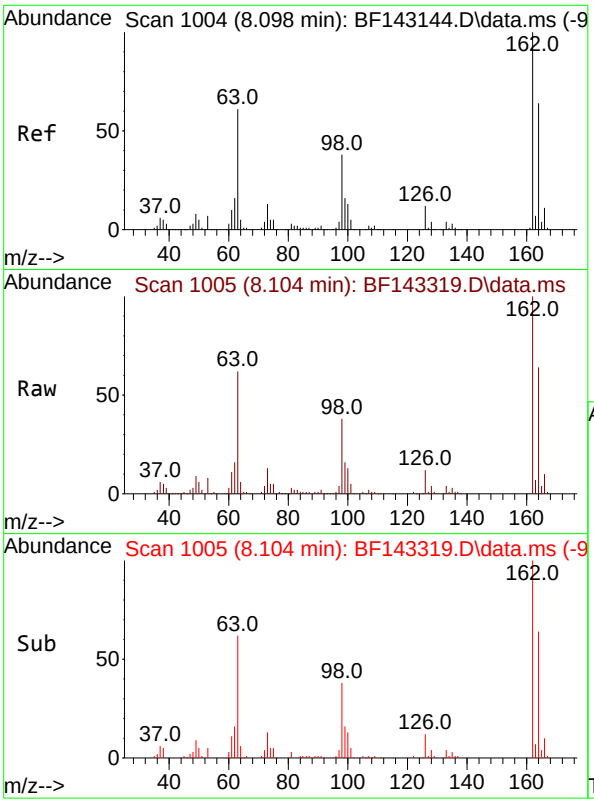


#28
bis(2-Chloroethoxy)methane
Concen: 42.404 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 93 Resp: 362892

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.6
123	11.5	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 37.756 ng
RT: 8.104 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

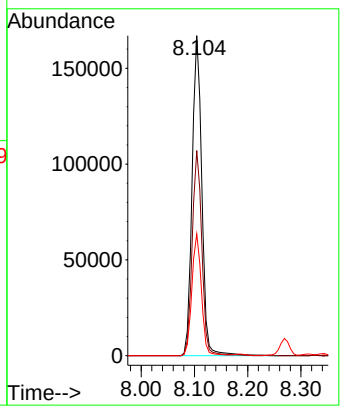
Tgt Ion:162 Resp: 21233

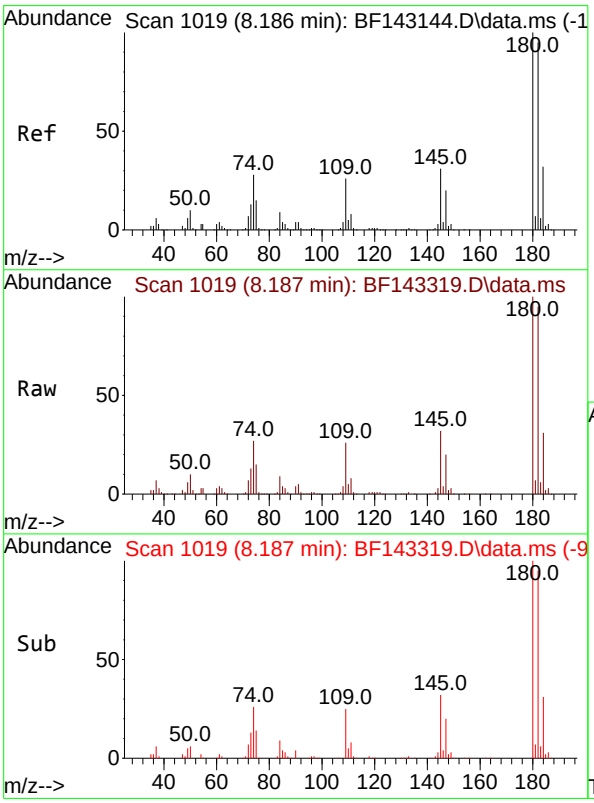
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.2	84.2
98	38.1	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

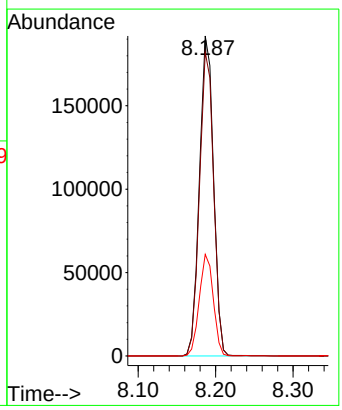


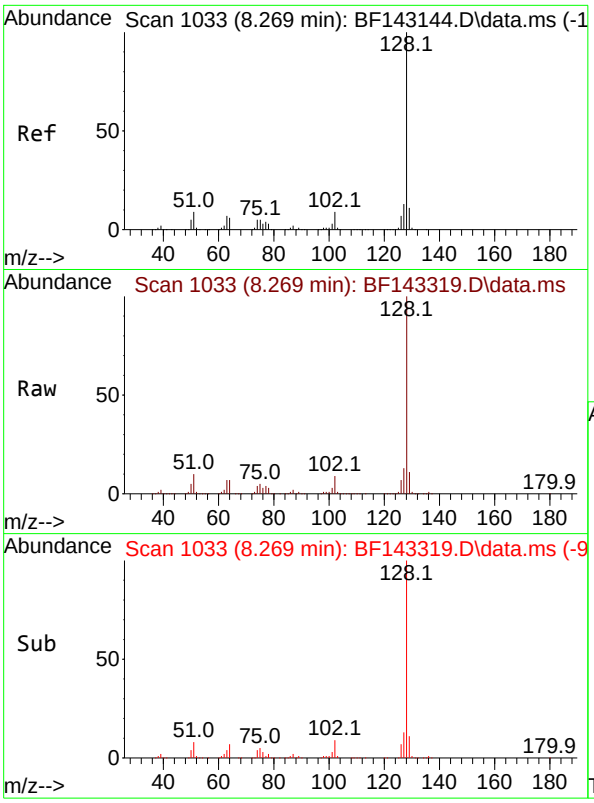


#30
1,2,4-Trichlorobenzene
Concen: 39.822 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:180 Resp: 241950

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	31.7	25.0	37.6





#31
Naphthalene
Concen: 39.649 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

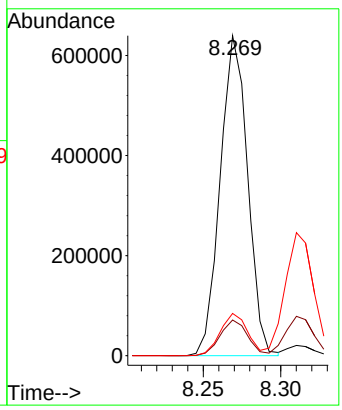
Tgt Ion:128 Resp: 78699

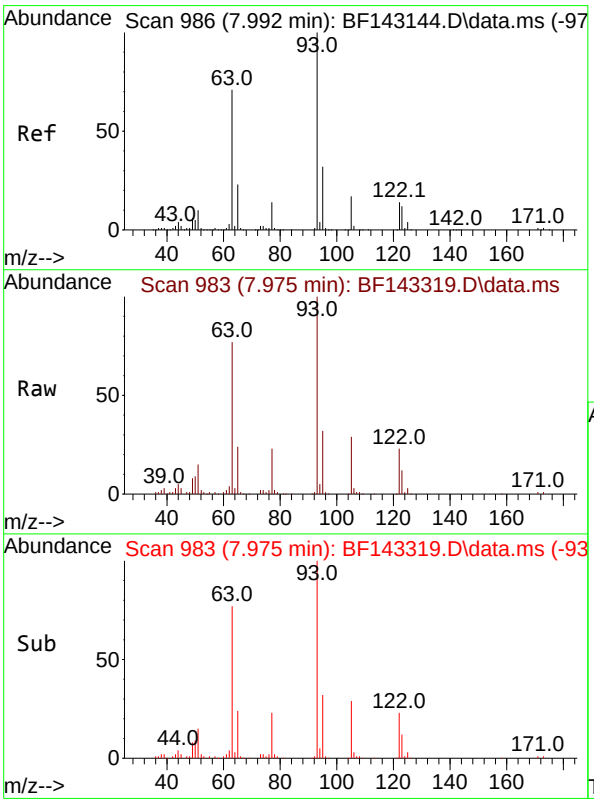
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

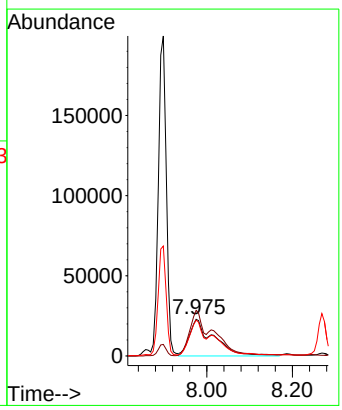


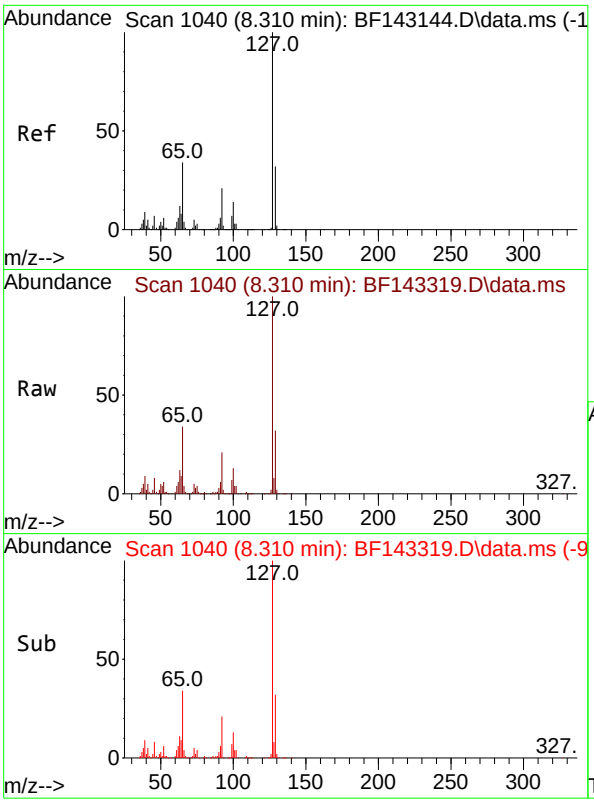


#32
Benzoic acid
Concen: 26.755 ng m
RT: 7.975 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:122 Resp: 90853

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	97.8	77.6	117.6

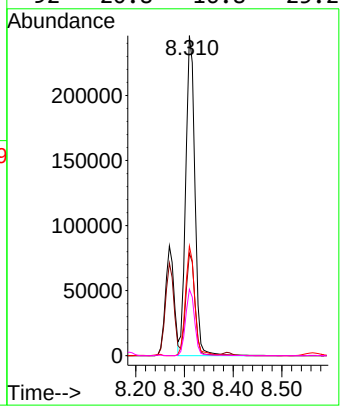




#33
4-Chloroaniline
Concen: 39.509 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:127 Resp: 32021

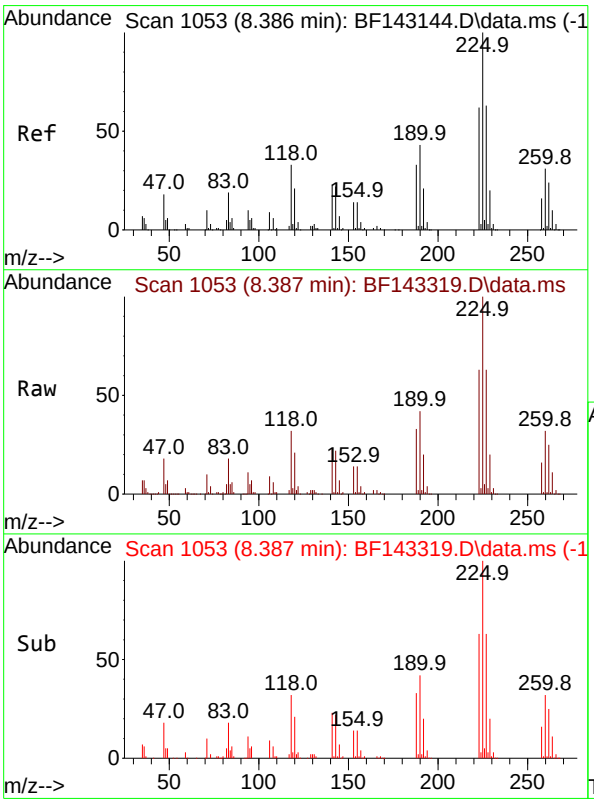
Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	34.2	27.4	41.2
92	20.8	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

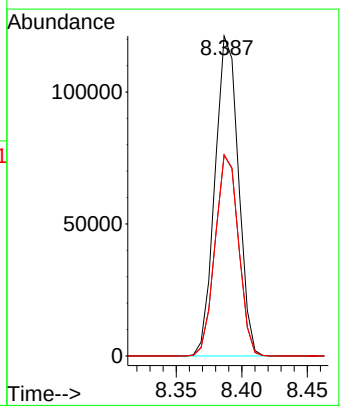
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

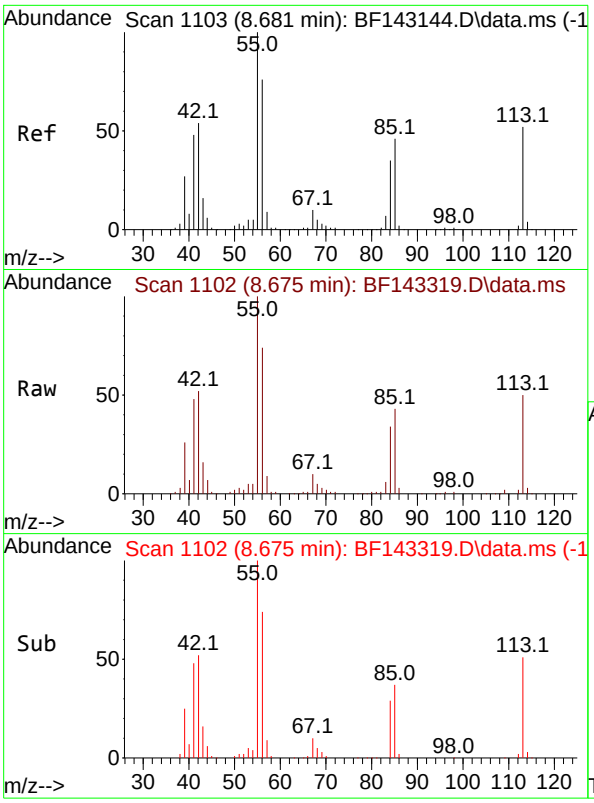


#34
Hexachlorobutadiene
Concen: 40.507 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:225 Resp: 150342

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.6
227	62.9	50.2	75.4





#35
Caprolactam
Concen: 39.838 ng
RT: 8.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

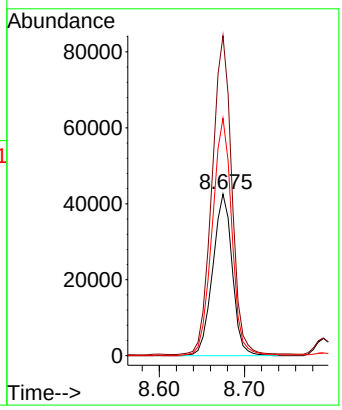
Tgt Ion:113 Resp: 6770

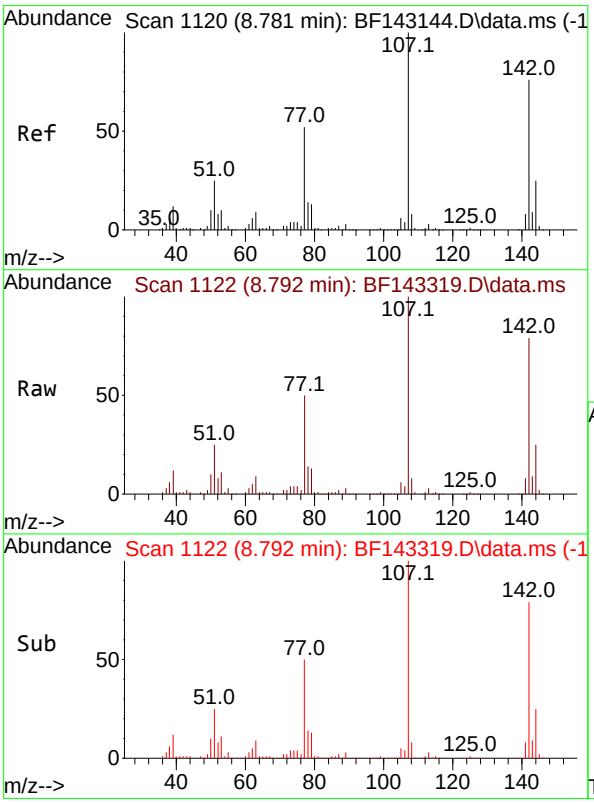
Ion	Ratio	Lower	Upper
113	100		
55	198.0	174.0	214.0
56	146.9	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

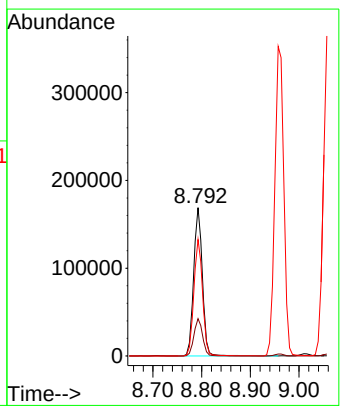


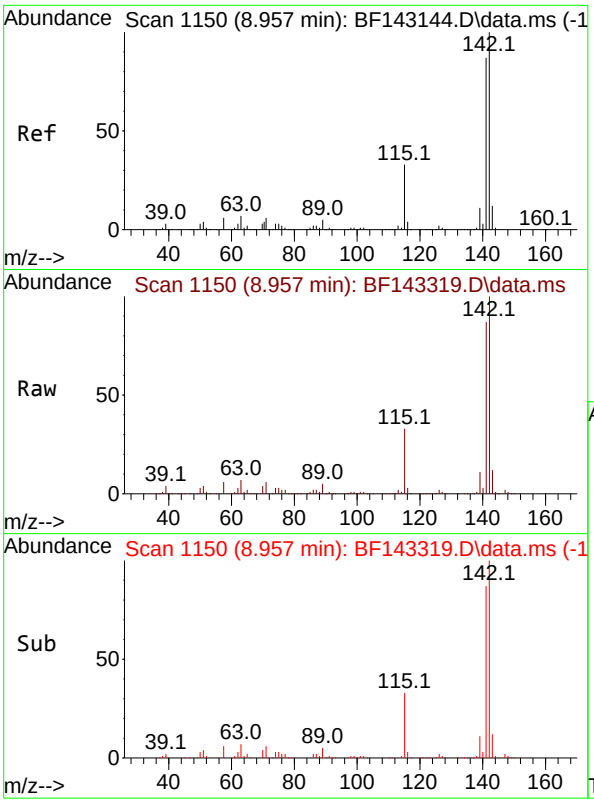


#36
4-Chloro-3-methylphenol
Concen: 34.734 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:107 Resp: 212318

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.8	29.6
142	78.6	60.6	90.8





#37
2-Methylnaphthalene
Concen: 37.268 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

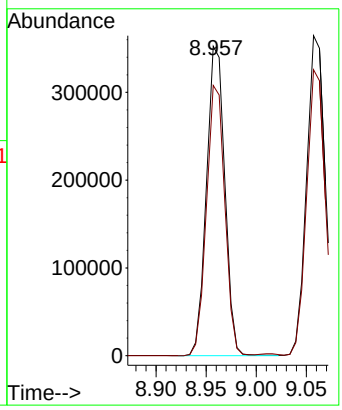
Tgt Ion:142 Resp: 45013

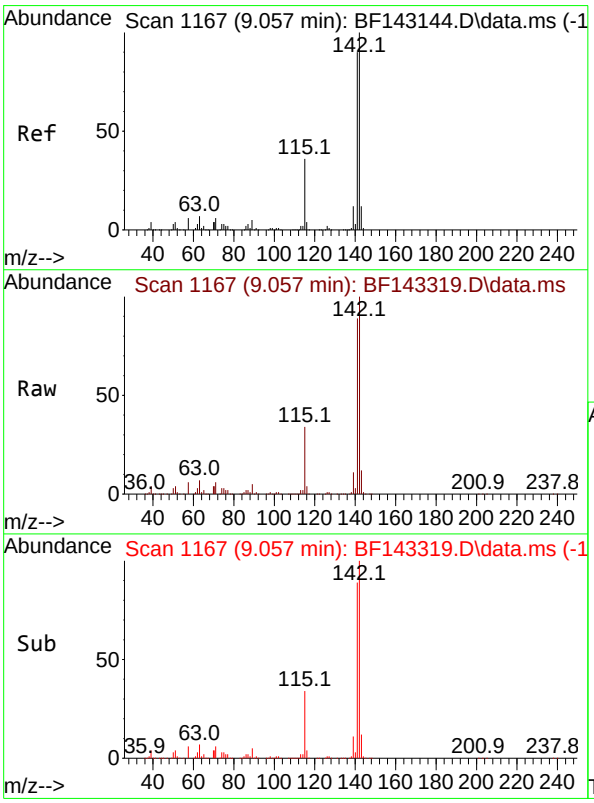
Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

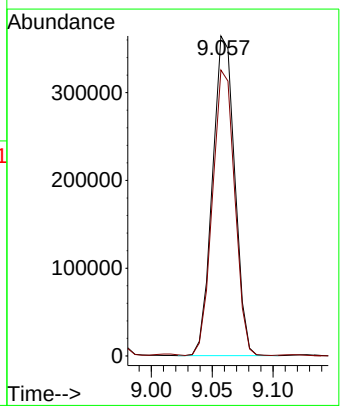


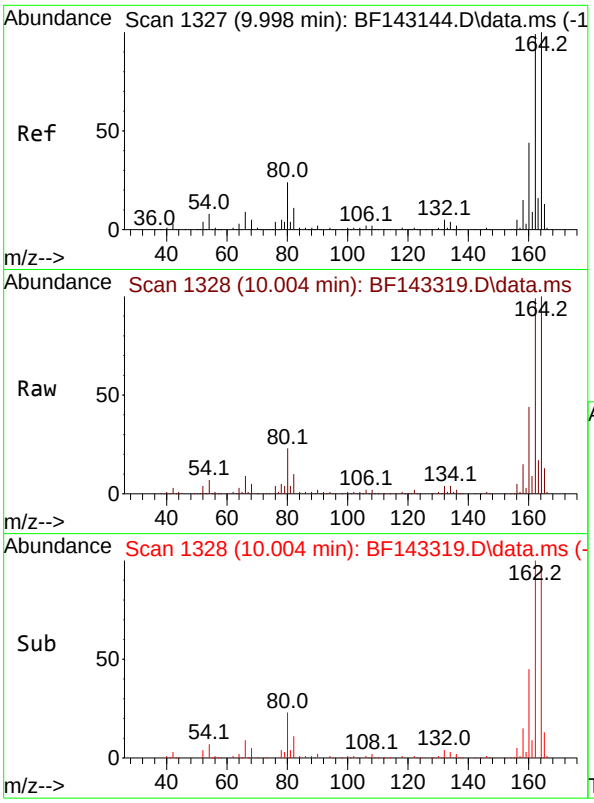


#38
1-Methylnaphthalene
Concen: 37.272 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:142 Resp: 463577

Ion	Ratio	Lower	Upper
142	100		
141	89.4	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: BF143319.D
Acq: 05 Aug 2025 16:54

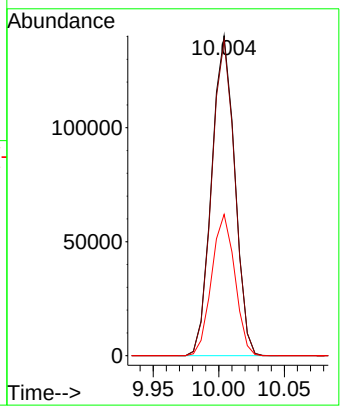
Tgt Ion:164 Resp: 17211

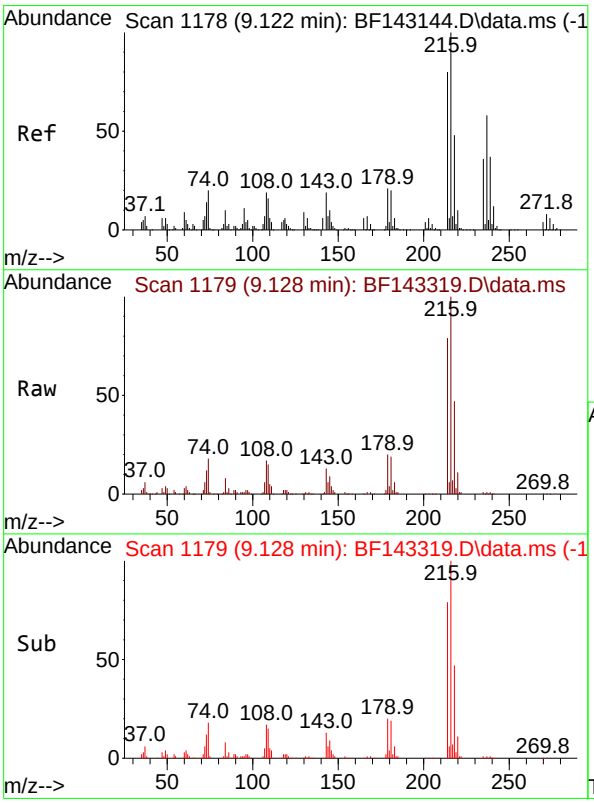
Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.0	118.6
160	44.1	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

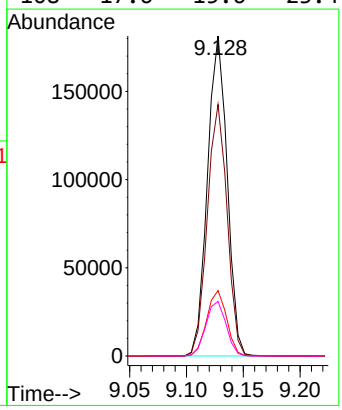


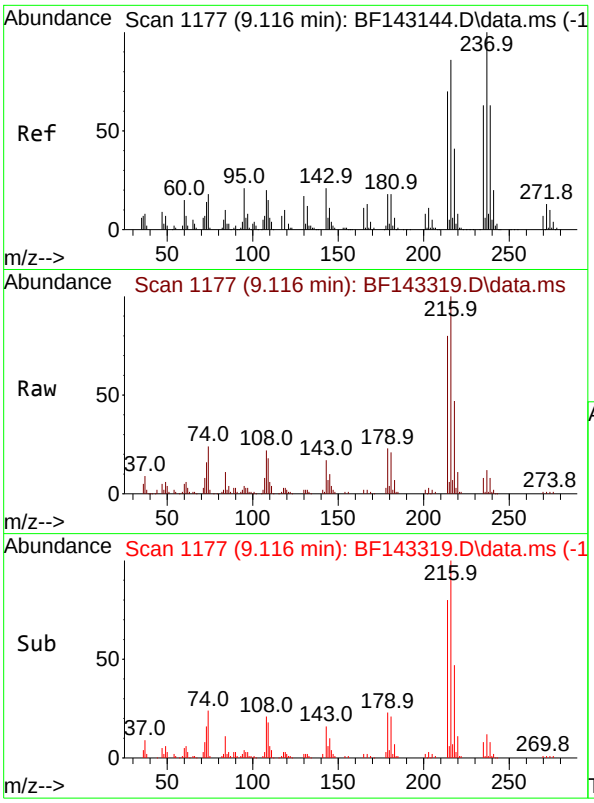


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.049 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:216 Resp: 218890

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.8	95.8
179	20.6	16.4	24.6
108	17.6	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 3.125 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

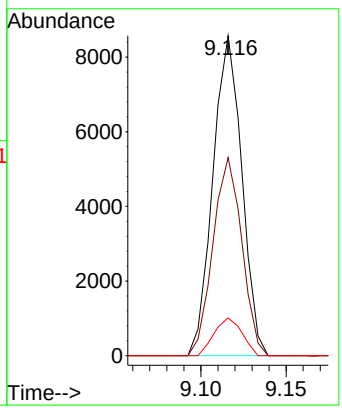
Tgt Ion:237 Resp: 1010

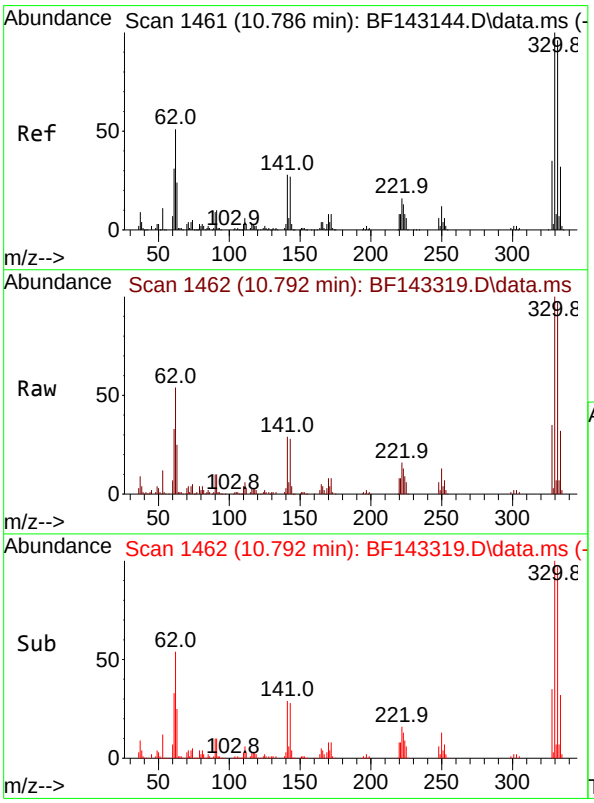
Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.0	83.0
272	11.8	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

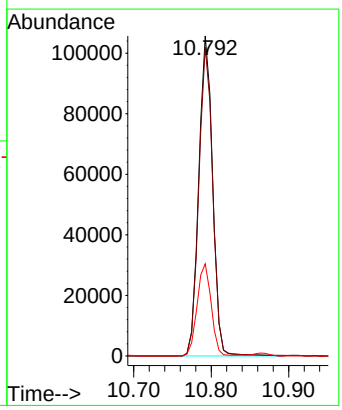


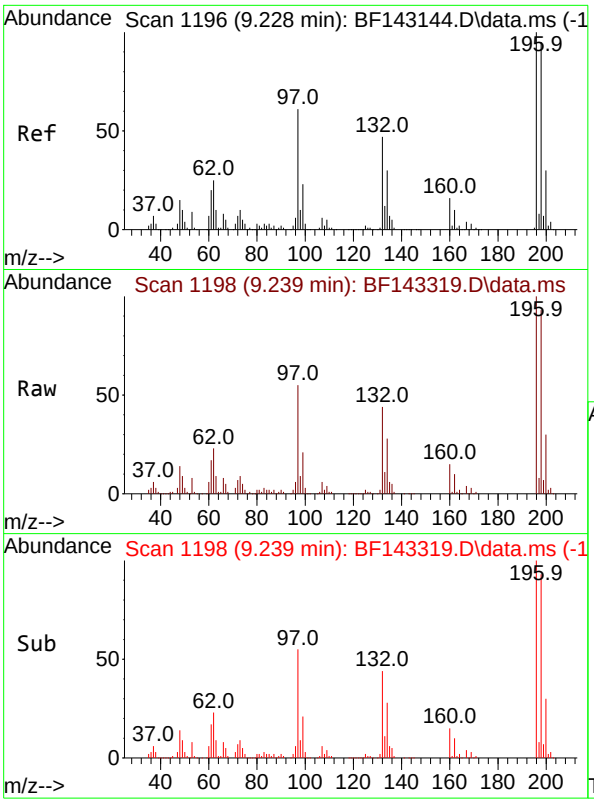


#42
2,4,6-Tribromophenol
Concen: 73.759 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:330 Resp: 131149

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	29.4	23.3	34.9





#43
2,4,6-Trichlorophenol
Concen: 37.154 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

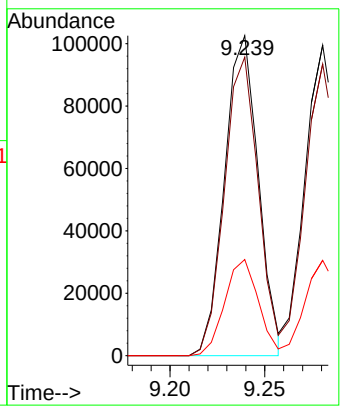
Tgt Ion:196 Resp: 127779

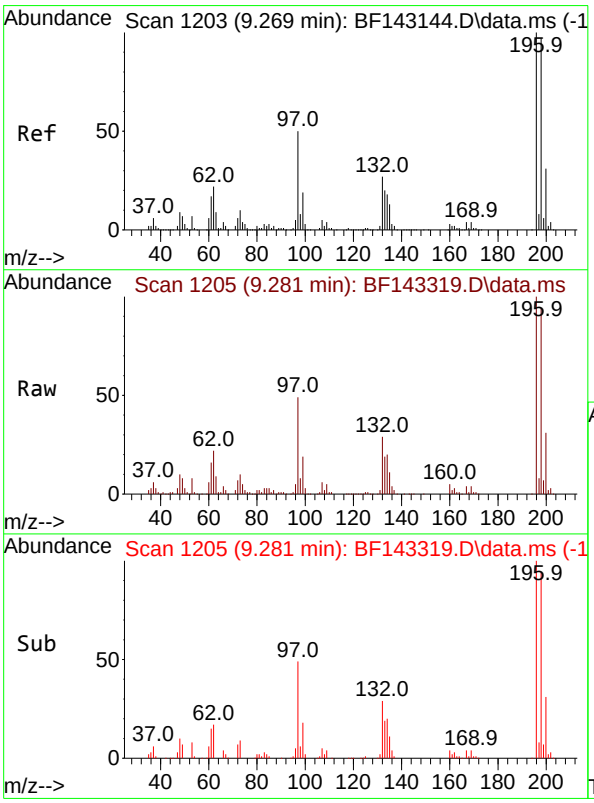
Ion	Ratio	Lower	Upper
196	100		
198	93.3	76.2	114.2
200	30.1	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

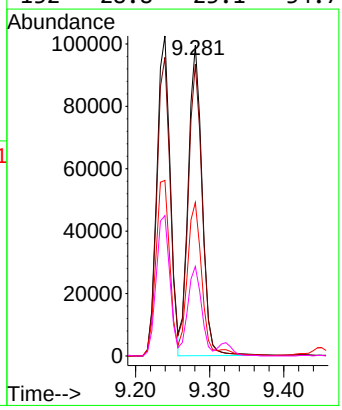


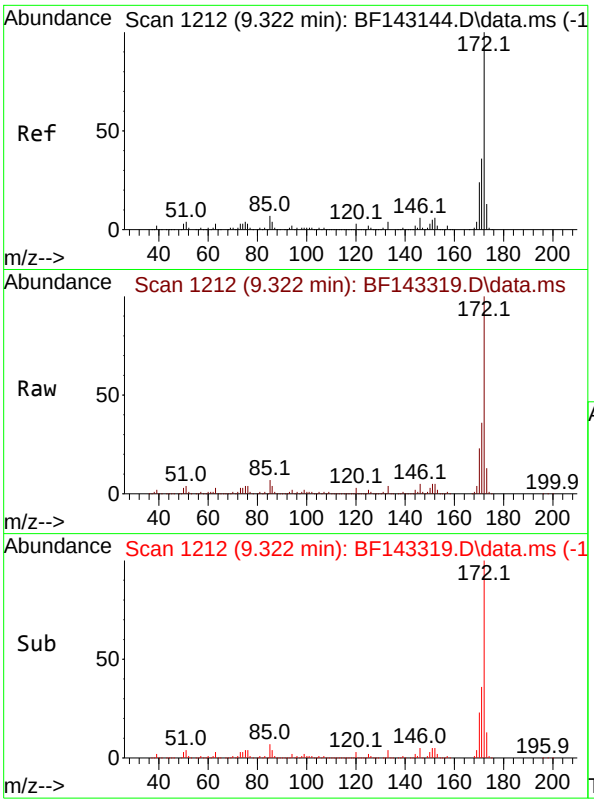


#44
2,4,5-Trichlorophenol
Concen: 37.720 ng
RT: 9.281 min Scan# 1205
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:196 Resp: 129763

Ion	Ratio	Lower	Upper
196	100		
198	93.9	77.3	115.9
97	49.4	40.3	60.5
132	28.8	23.1	34.7





#45
2-Fluorobiphenyl
Concen: 86.070 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

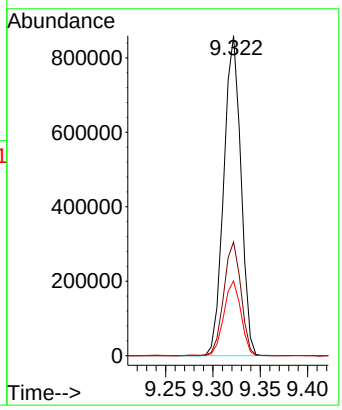
Tgt Ion:172 Resp: 108320

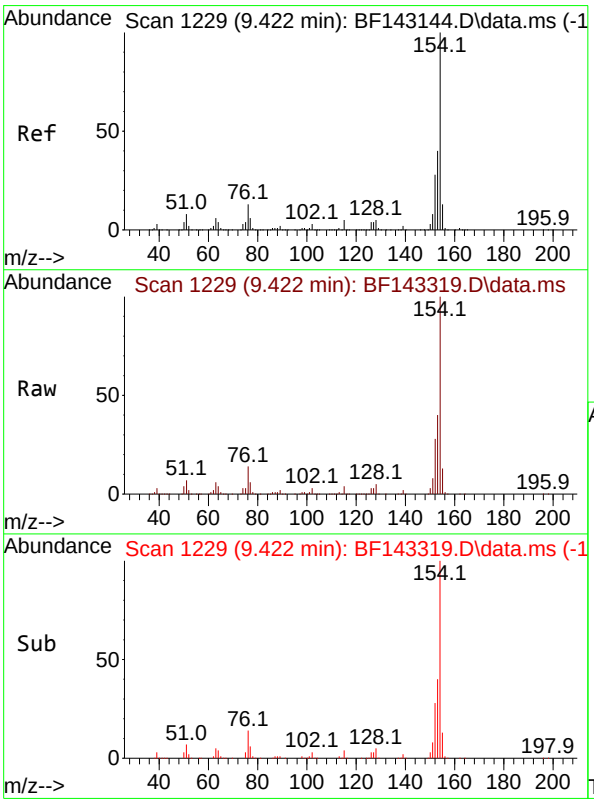
Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.4	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

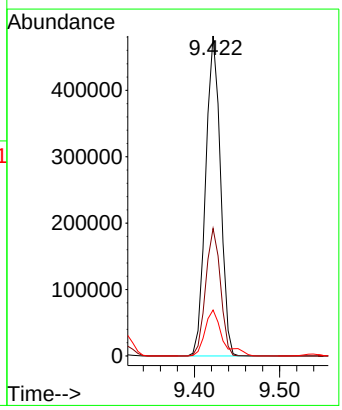


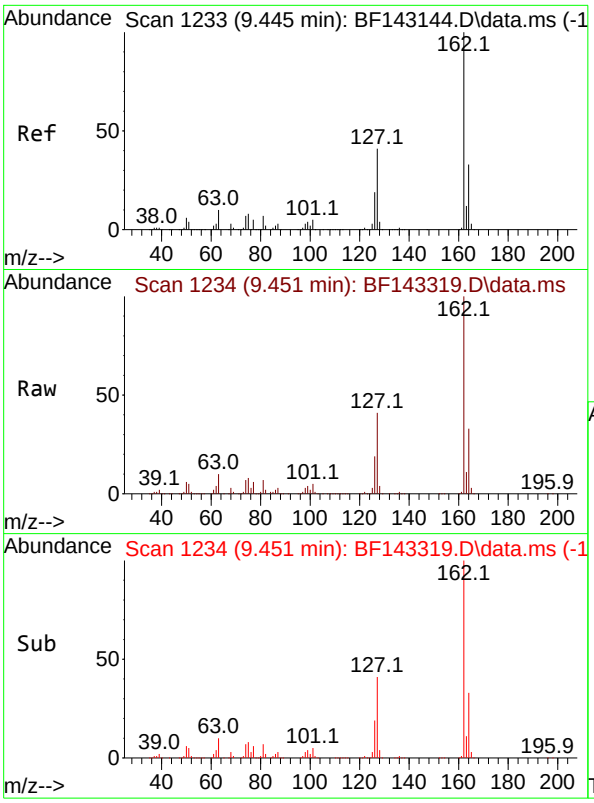


#46
1,1'-Biphenyl
Concen: 43.239 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:154 Resp: 580633

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	14.4	0.0	33.3





#47
2-Chloronaphthalene
Concen: 41.417 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

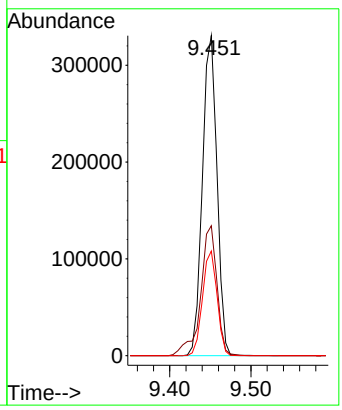
Tgt Ion:162 Resp: 41152

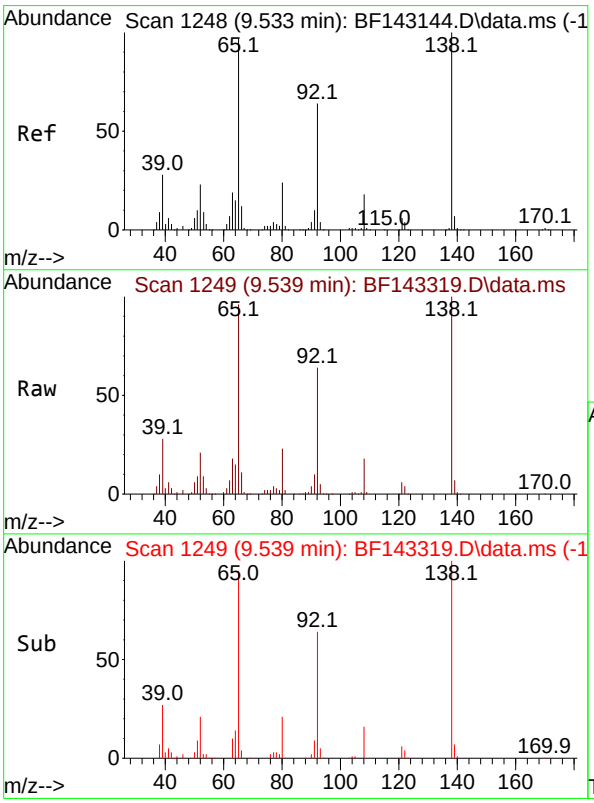
Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.7	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

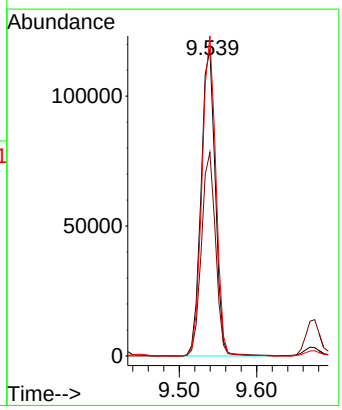


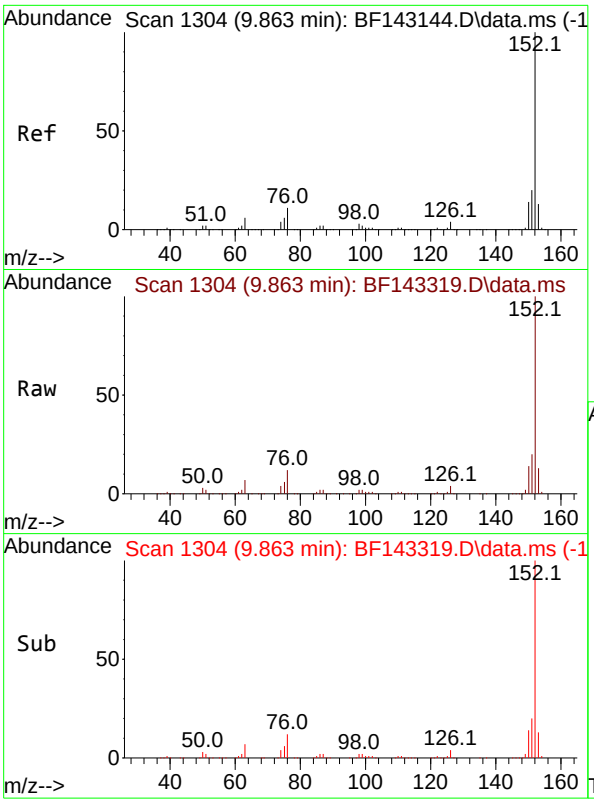


#48
2-Nitroaniline
Concen: 48.428 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 65 Resp: 150901

Ion	Ratio	Lower	Upper
65	100		
92	66.5	52.4	78.6
138	104.5	82.3	123.5





#49
Acenaphthylene
Concen: 40.205 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

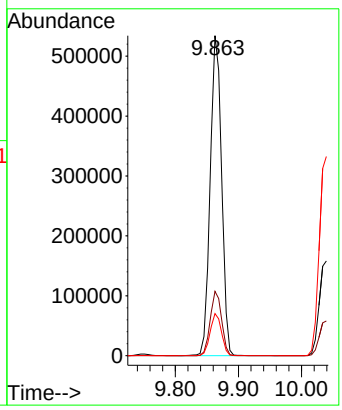
Tgt Ion:152 Resp: 66946

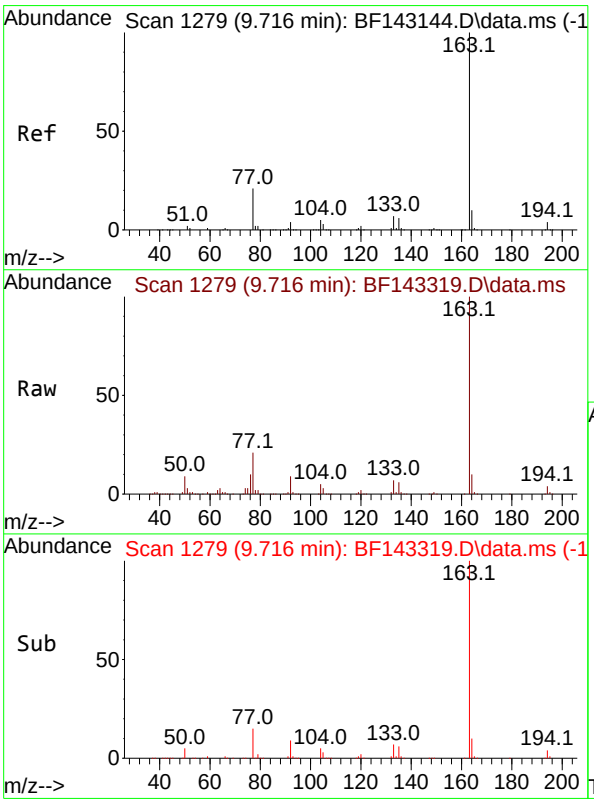
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

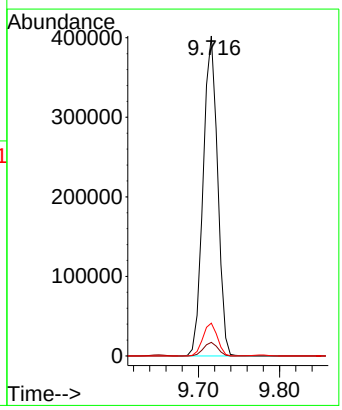


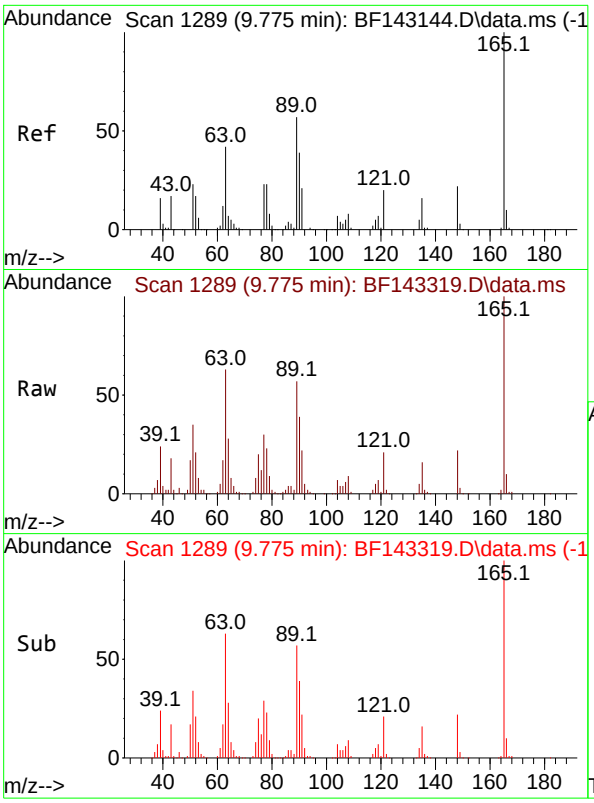


#50
Dimethylphthalate
Concen: 44.194 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:163 Resp: 495822

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 38.398 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

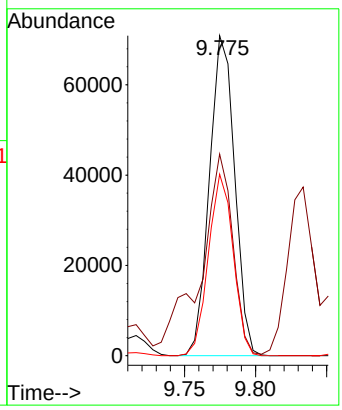
Tgt Ion:165 Resp: 8763

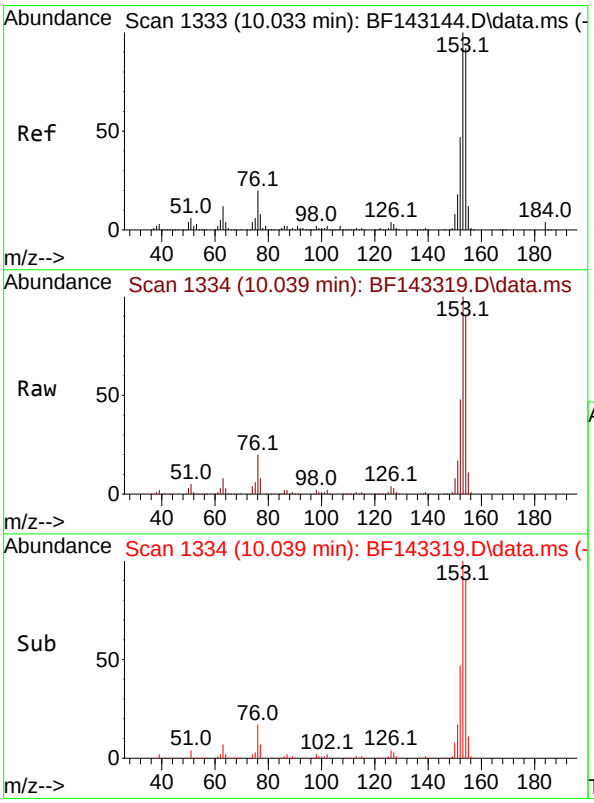
Ion	Ratio	Lower	Upper
165	100		
63	63.0	49.4	74.2
89	56.7	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

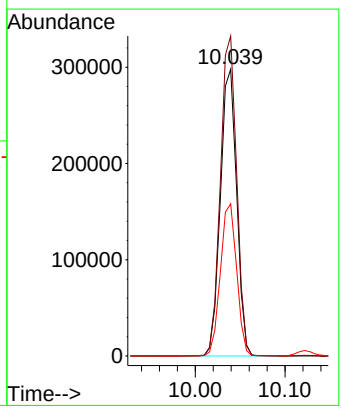


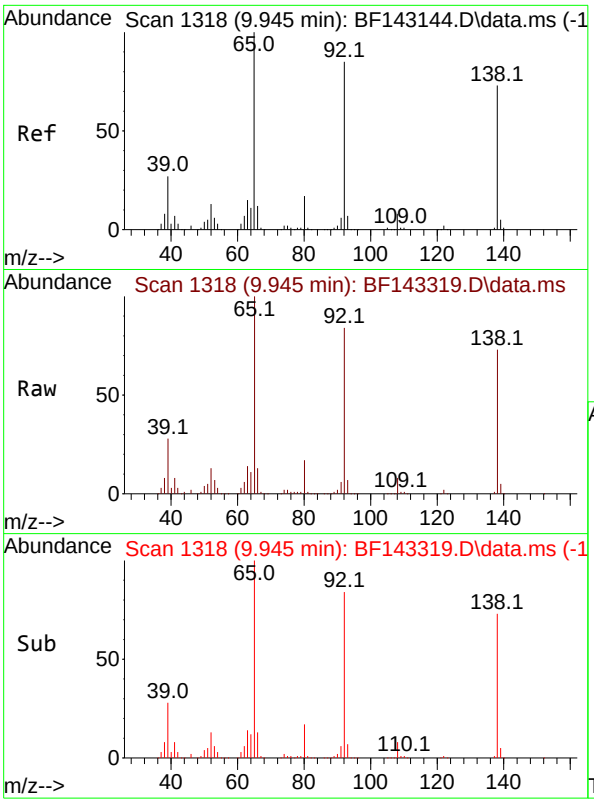


#52
Acenaphthene
Concen: 38.143 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:154 Resp: 375398

Ion	Ratio	Lower	Upper
154	100		
153	111.6	86.6	129.8
152	53.1	40.4	60.6





#53
3-Nitroaniline
Concen: 49.113 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

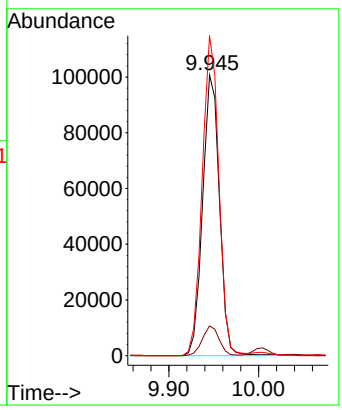
Tgt Ion:138 Resp: 13110

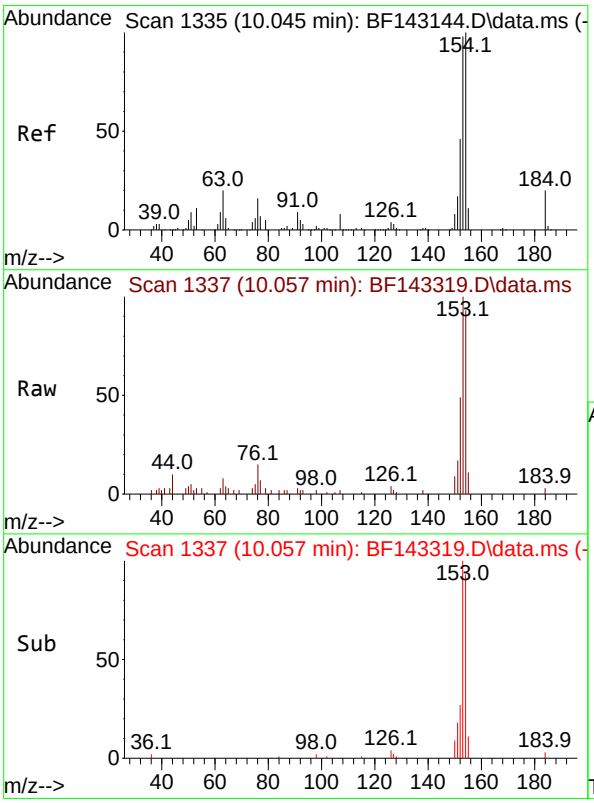
Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.6
92	114.0	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

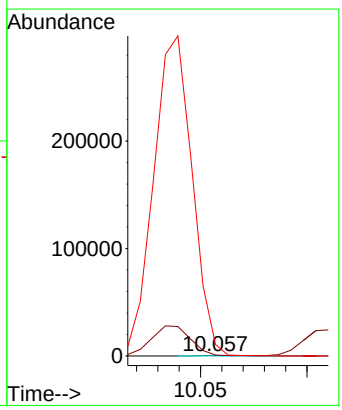


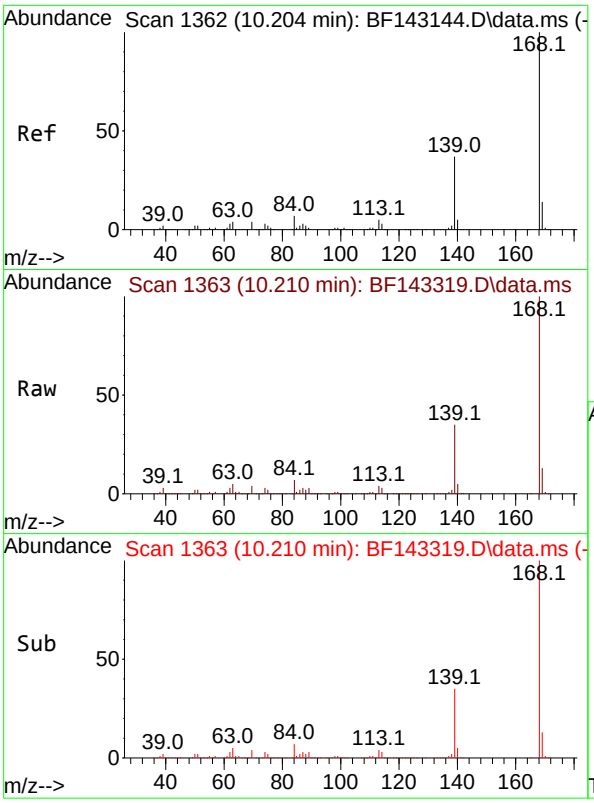


#54
2,4-Dinitrophenol
Concen: 7.056 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:184 Resp: 443

Ion	Ratio	Lower	Upper
184	100		
63	309.1	81.8	122.6#
154	3389.3	412.2	618.4#





#55
Dibenzofuran
Concen: 39.101 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

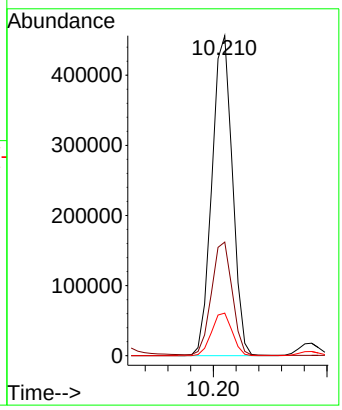
Tgt Ion:168 Resp: 57134

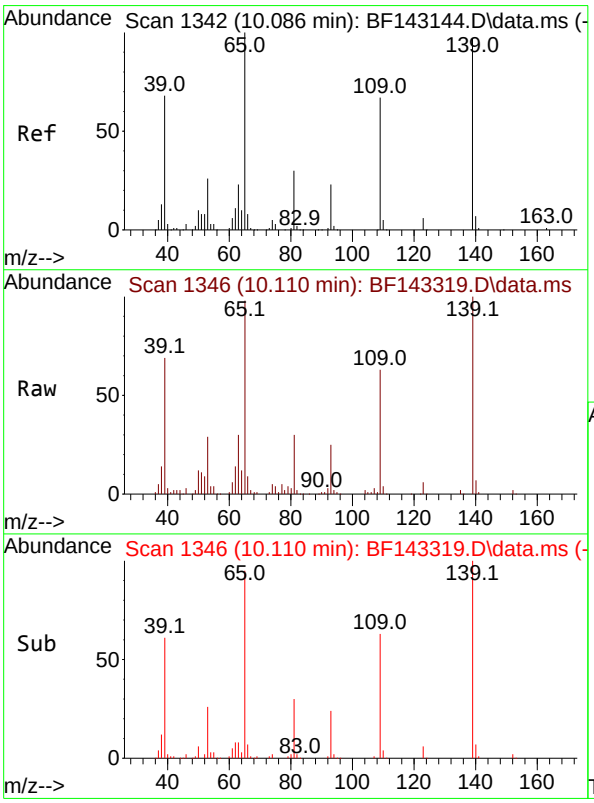
Ion	Ratio	Lower	Upper
168	100		
139	35.5	29.5	44.3
169	13.3	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

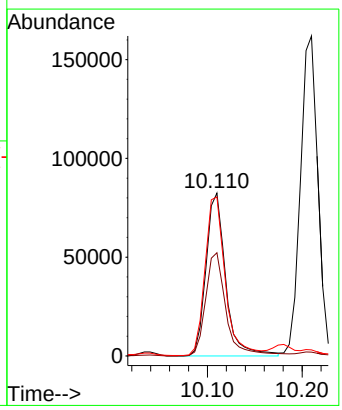


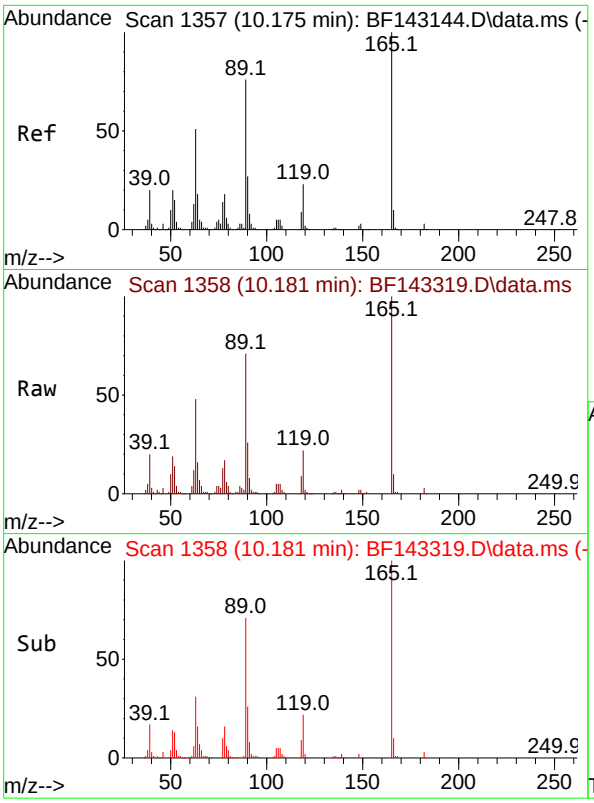


#56
4-Nitrophenol
Concen: 59.649 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.024 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:139 Resp: 118907

Ion	Ratio	Lower	Upper
139	100		
109	63.4	48.5	88.5
65	97.7	83.4	123.4





#57
2,4-Dinitrotoluene
Concen: 36.532 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

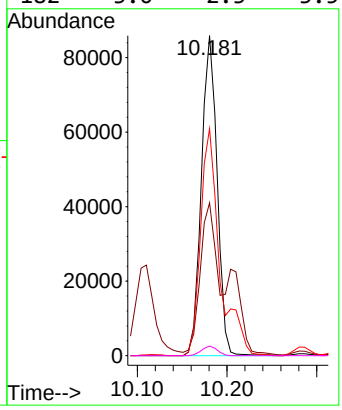
Tgt Ion:165 Resp: 10460

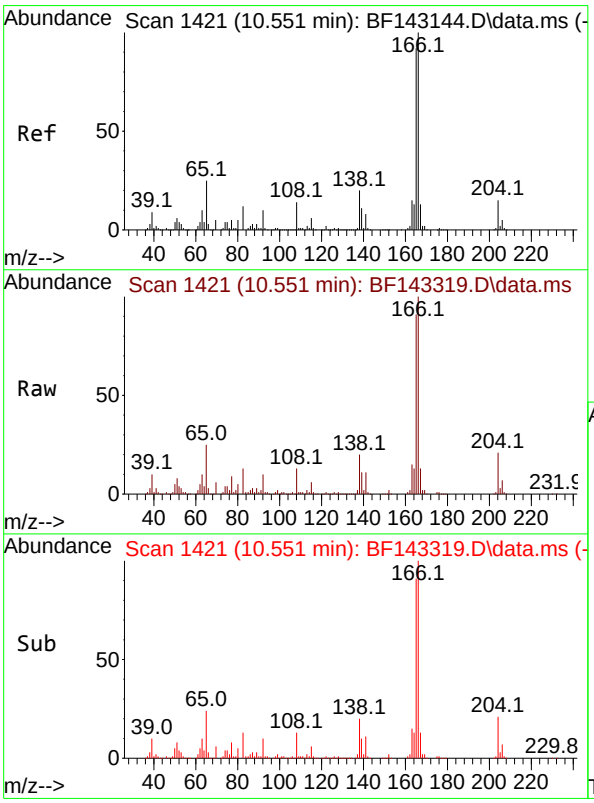
Ion	Ratio	Lower	Upper
165	100		
63	47.8	41.0	61.4
89	71.0	61.1	91.7
182	3.0	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

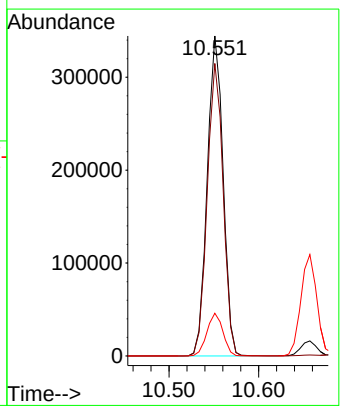


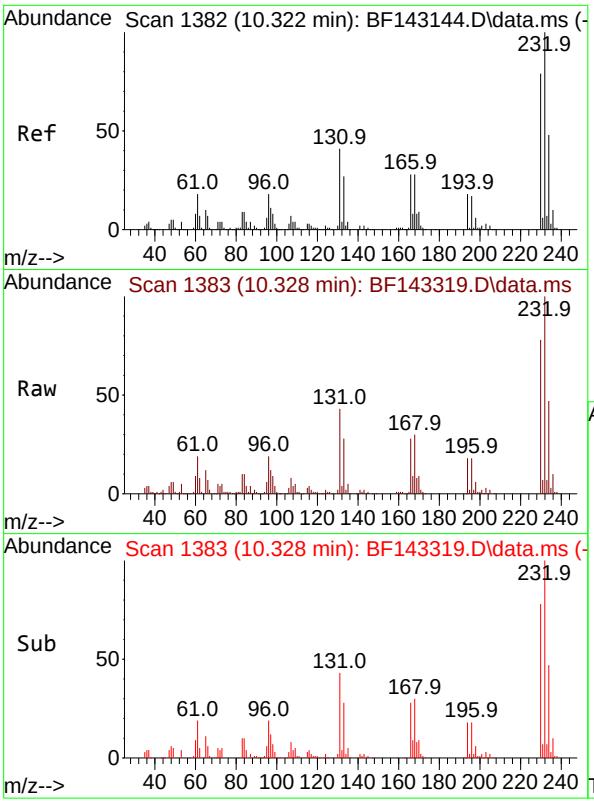


#58
Fluorene
Concen: 38.582 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:166 Resp: 423115

Ion	Ratio	Lower	Upper
166	100		
165	91.4	73.7	110.5
167	13.4	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 36.617 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

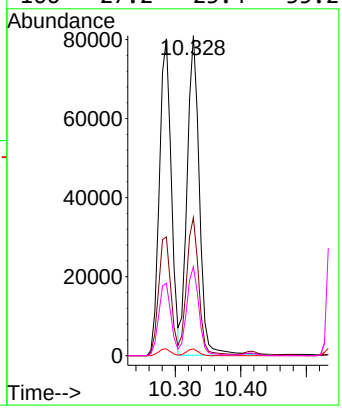
Tgt Ion:232 Resp: 104348

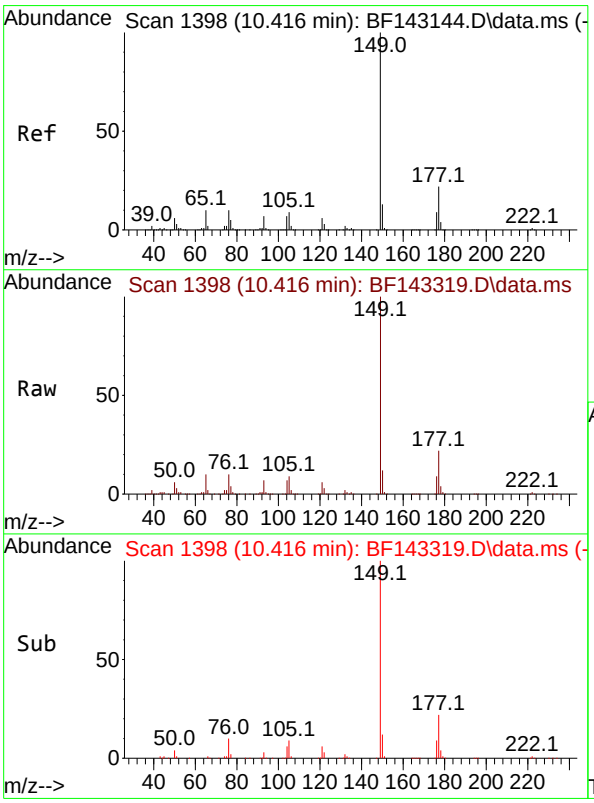
Ion	Ratio	Lower	Upper
232	100		
131	42.8	35.3	52.9
130	2.1	1.7	2.5
166	27.2	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

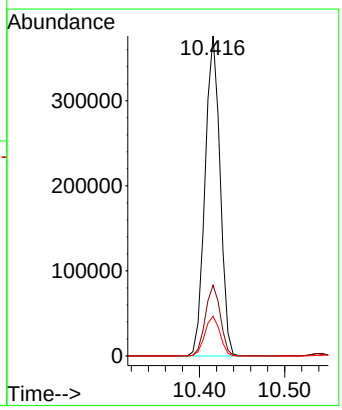


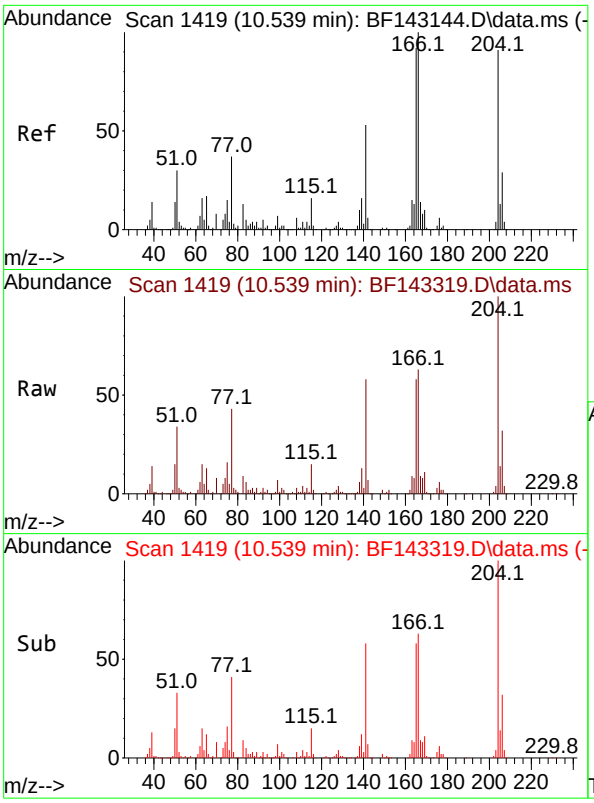


#60
Diethylphthalate
Concen: 41.574 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 461013

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.4	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 39.319 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

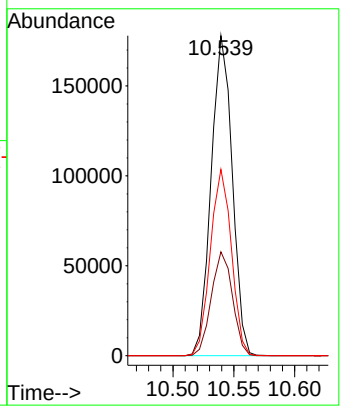
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

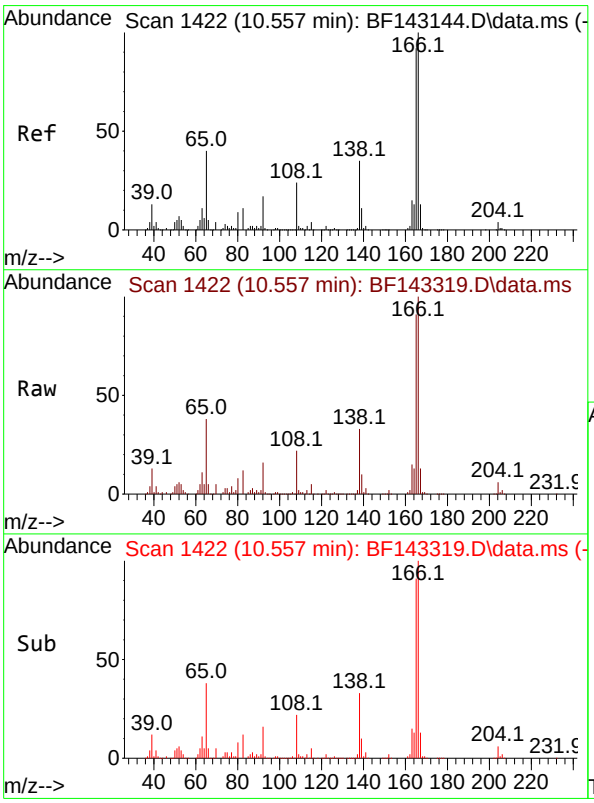
Tgt Ion:204 Resp: 21471

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.8
141	58.2	47.0	70.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

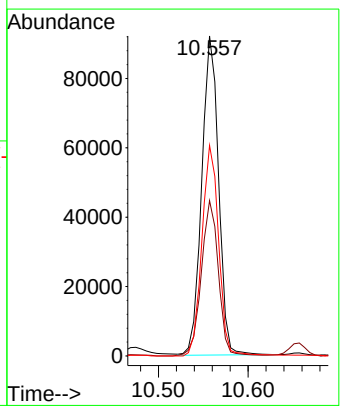


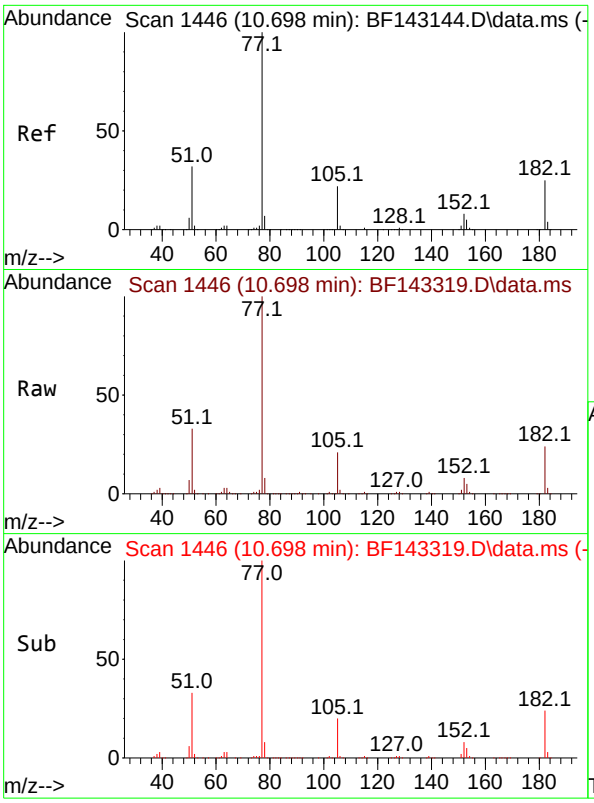


#62
4-Nitroaniline
Concen: 52.351 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:138 Resp: 119776

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.3	69.3
108	65.8	48.3	88.3





#63
Azobenzene
Concen: 38.157 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

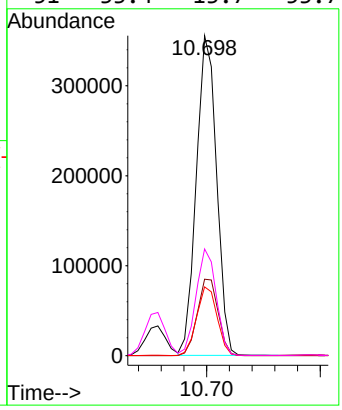
Tgt Ion: 77 Resp: 440989

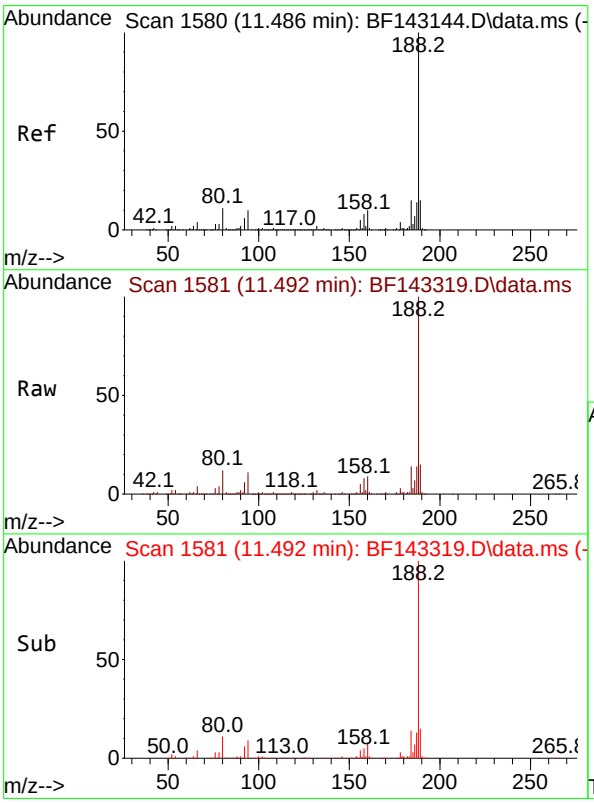
Ion	Ratio	Lower	Upper
77	100		
182	23.9	4.6	44.6
105	21.5	1.4	41.4
51	33.4	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

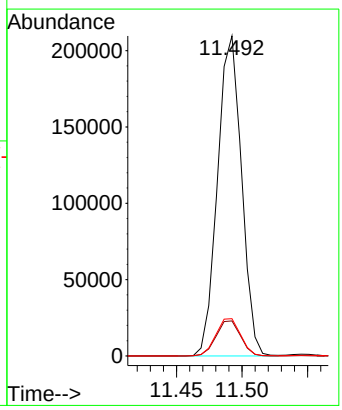


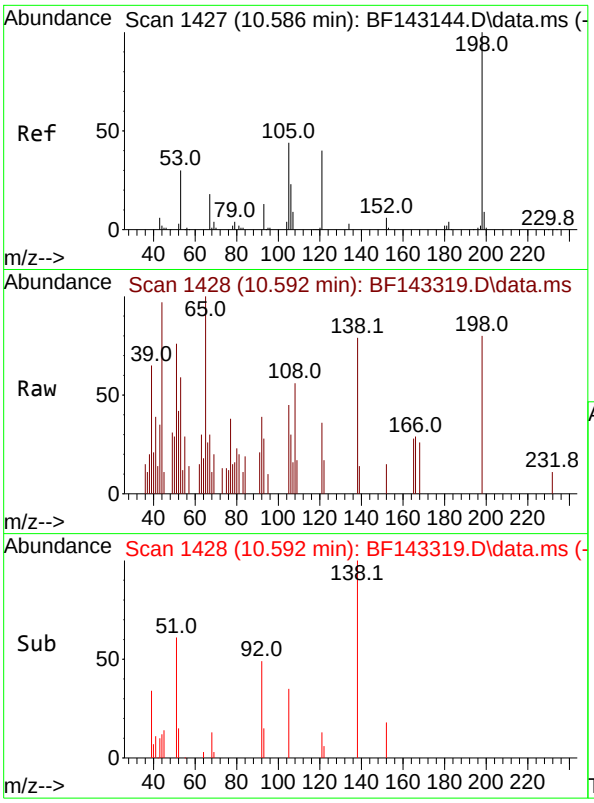


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:188 Resp: 266991

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.3	12.5
80	11.7	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 6.326 ng
RT: 10.592 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

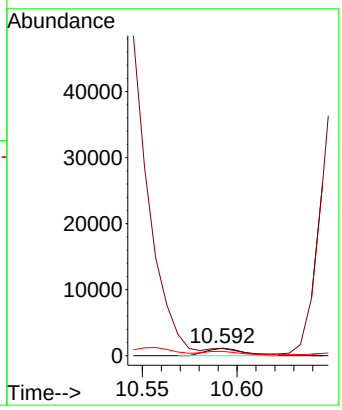
Tgt Ion:198 Resp: 144

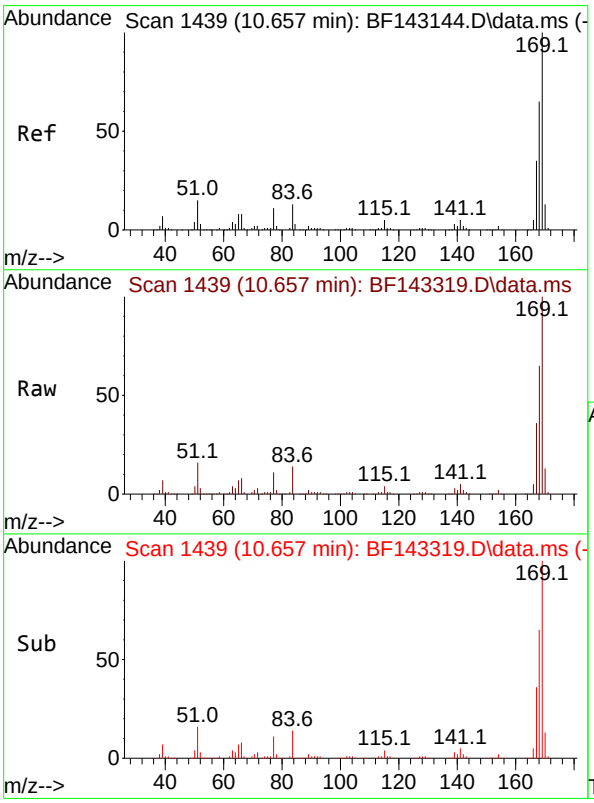
Ion	Ratio	Lower	Upper
198	100		
51	95.0	37.2	77.2#
105	56.3	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

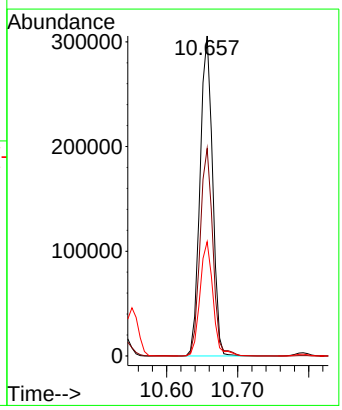


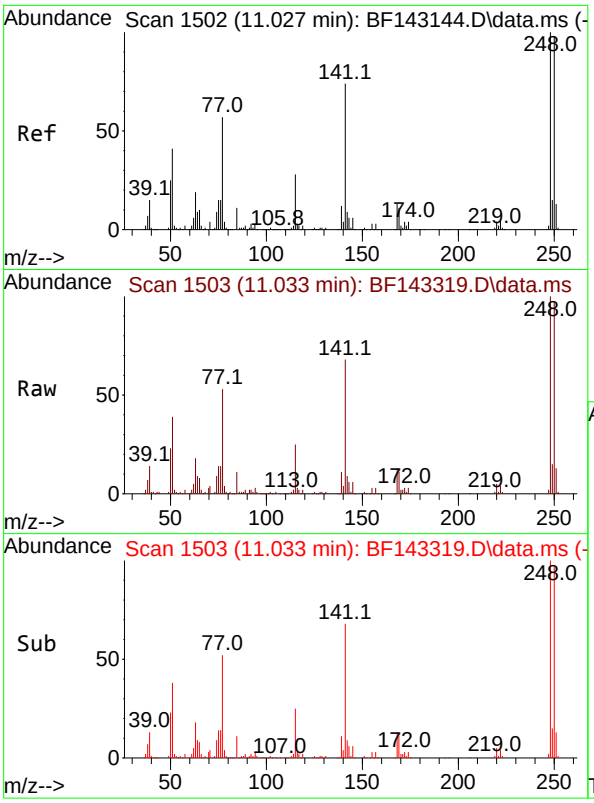


#66
n-Nitrosodiphenylamine
Concen: 40.035 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:169 Resp: 376391

Ion	Ratio	Lower	Upper
169	100		
168	64.9	52.1	78.1
167	35.7	28.2	42.2





#67
4-Bromophenyl-phenylether
Concen: 38.674 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

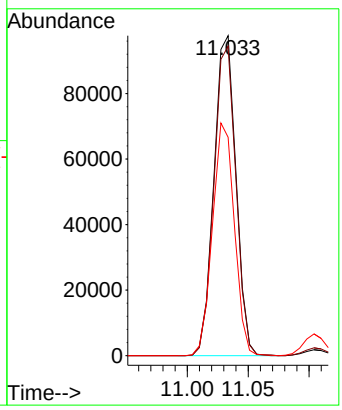
Tgt Ion:248 Resp: 12305

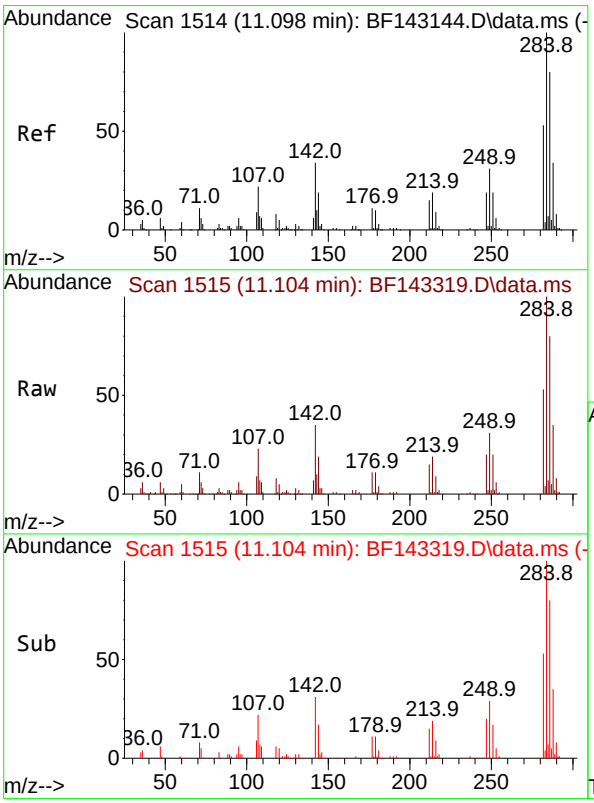
Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.3	117.5
141	68.3	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

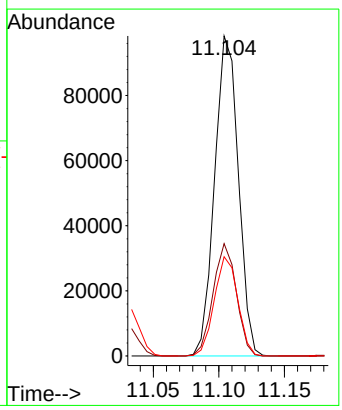


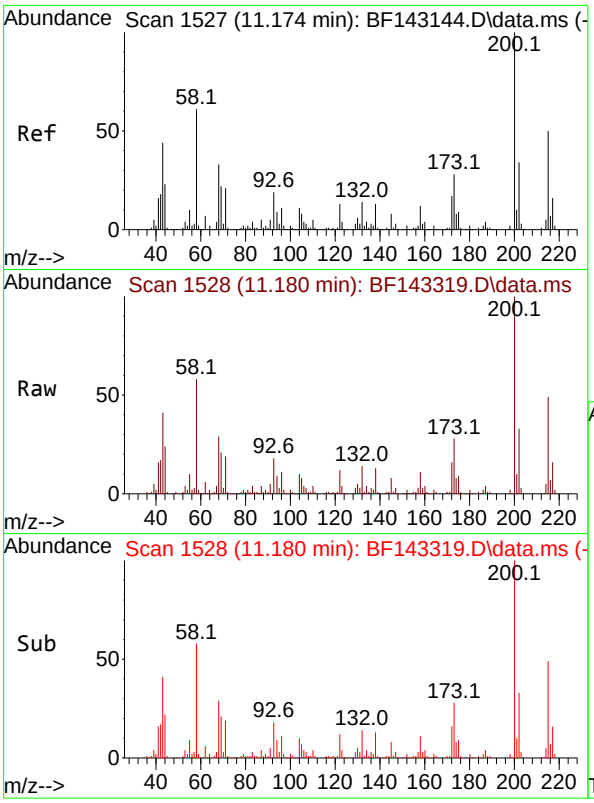


#68
Hexachlorobenzene
Concen: 37.156 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:284 Resp: 123569

Ion	Ratio	Lower	Upper
284	100		
142	35.1	27.0	40.6
249	31.0	25.0	37.6





#69
Atrazine
Concen: 37.500 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

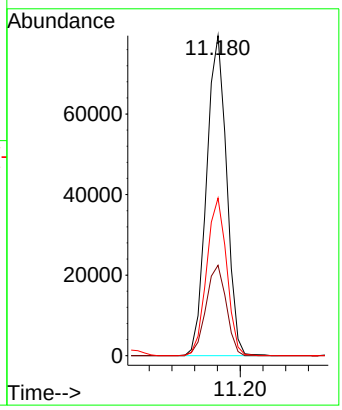
Tgt Ion:200 Resp: 9719

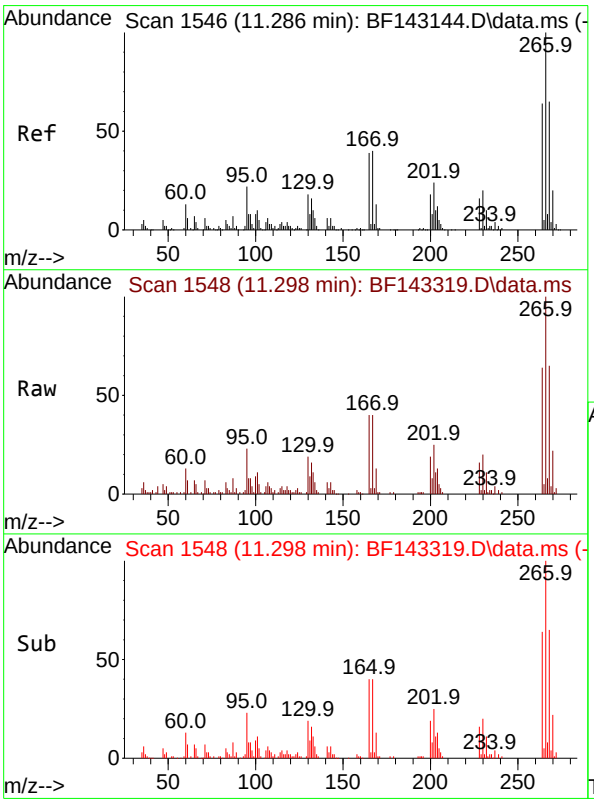
Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.9	47.9
215	49.2	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

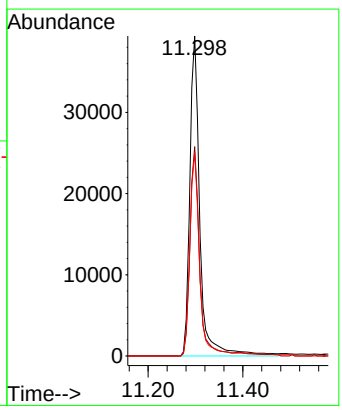


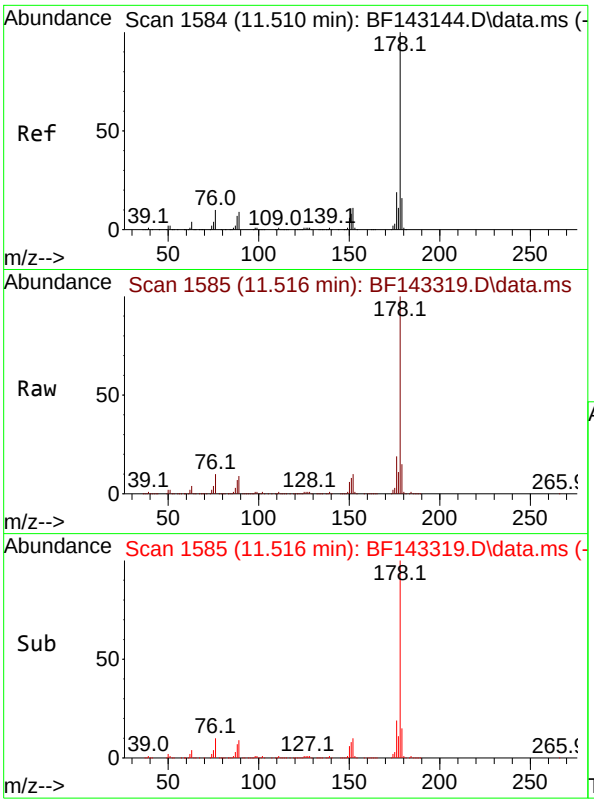


#70
Pentachlorophenol
Concen: 29.810 ng
RT: 11.298 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:266 Resp: 58301

Ion	Ratio	Lower	Upper
266	100		
268	65.4	51.9	77.9
264	63.5	51.0	76.6





#71
Phenanthrene
Concen: 39.982 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

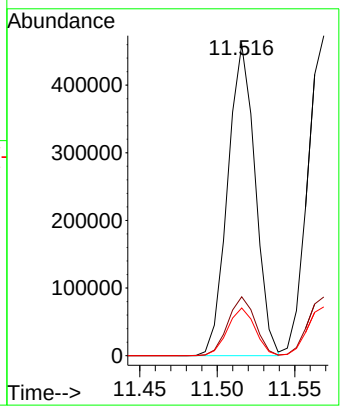
Tgt Ion:178 Resp: 56680

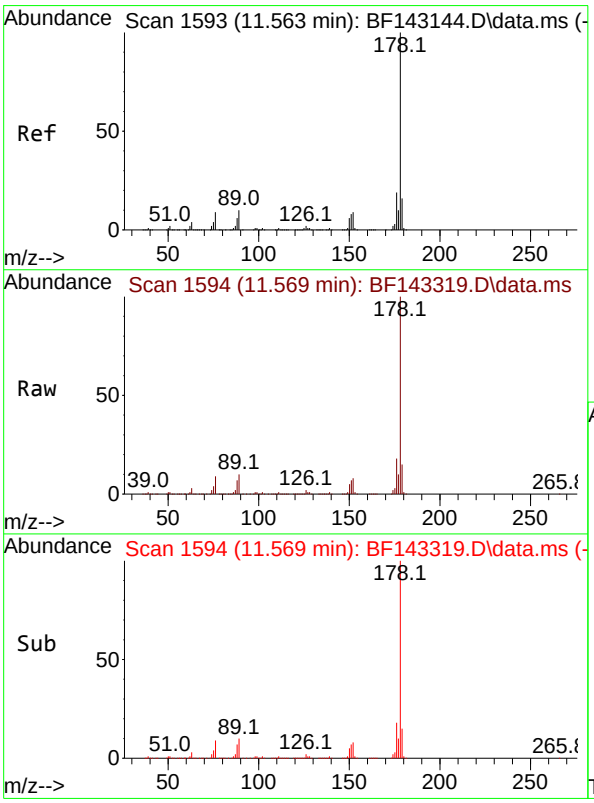
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

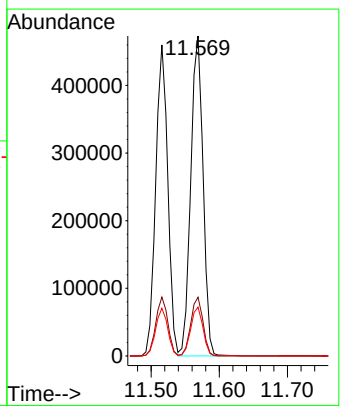


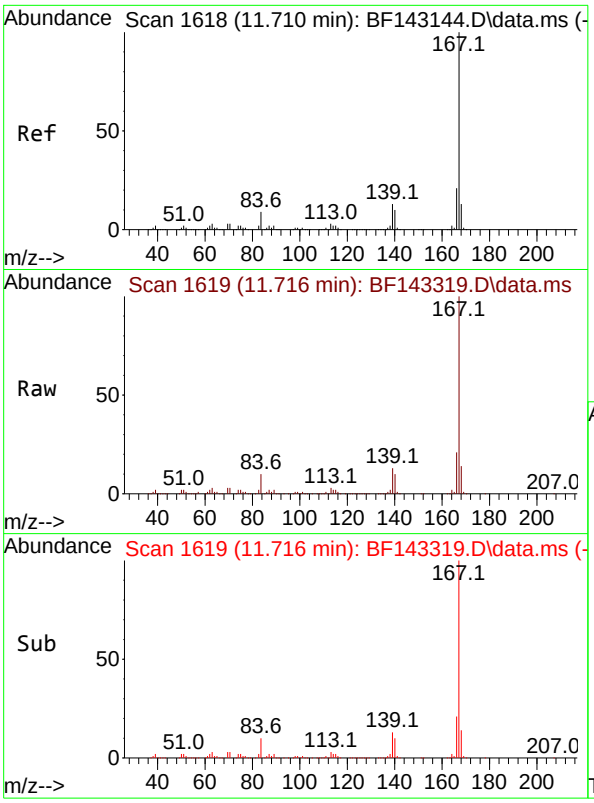


#72
Anthracene
Concen: 40.821 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:178 Resp: 590204

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.3	12.5	18.7





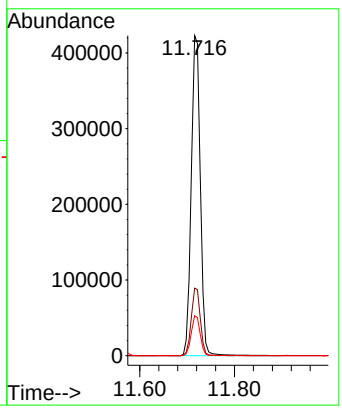
#73
Carbazole
Concen: 44.686 ng
RT: 11.716 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

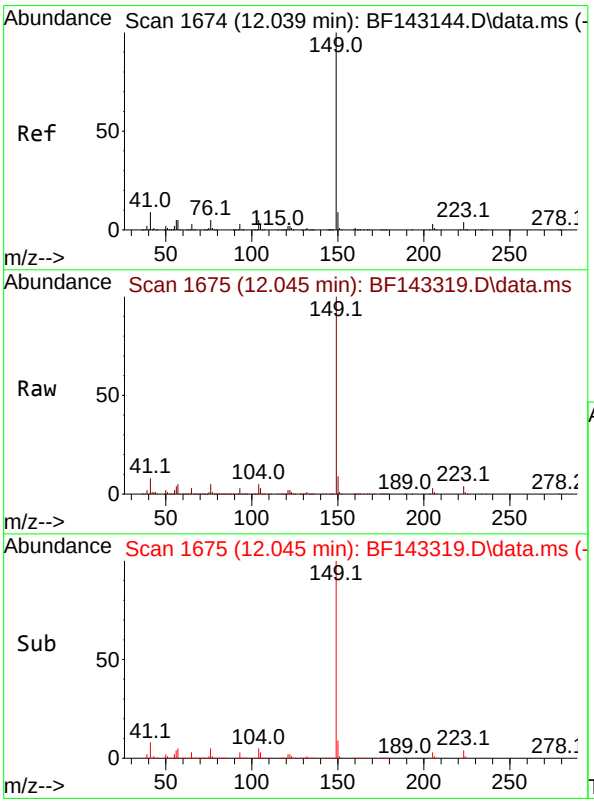
Tgt Ion:167 Resp: 56415(

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.5	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

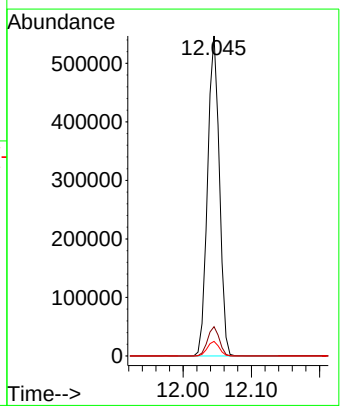


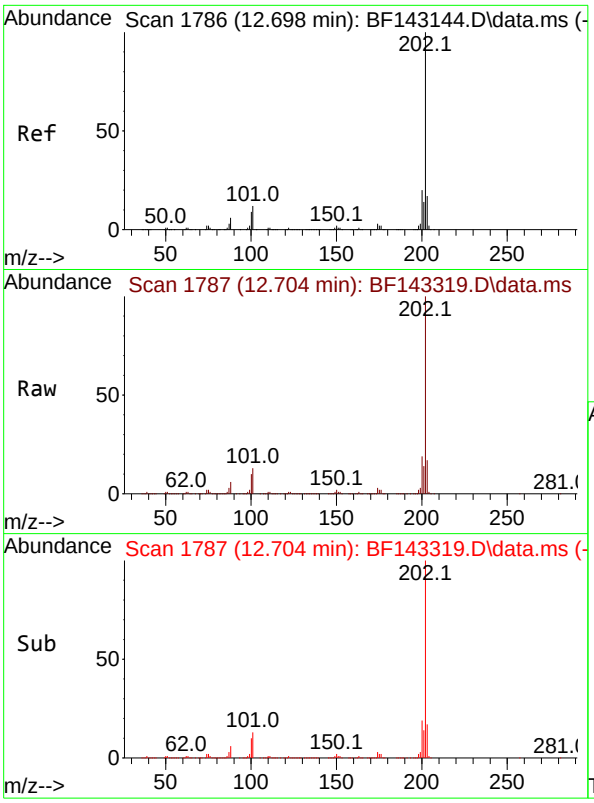


#74
Di-n-butylphthalate
Concen: 46.098 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 658512

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.6	3.8	5.8





#75
Fluoranthene
Concen: 50.419 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

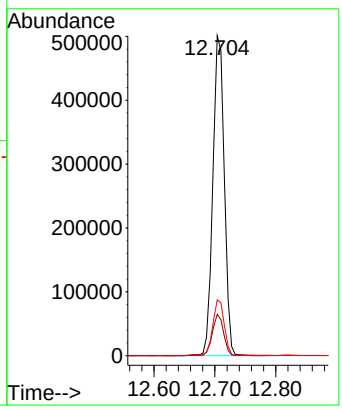
Tgt Ion:202 Resp: 65605

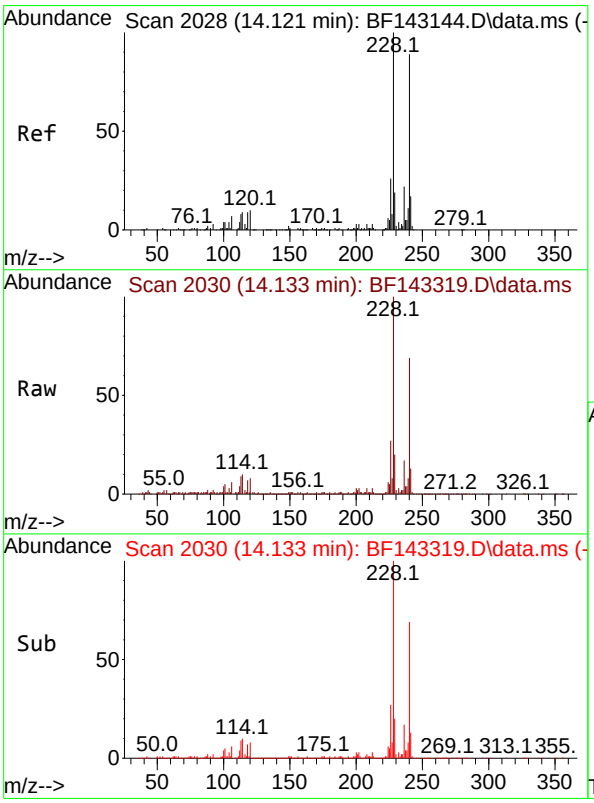
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.7
203	17.5	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

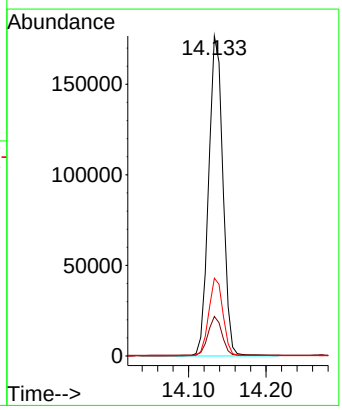


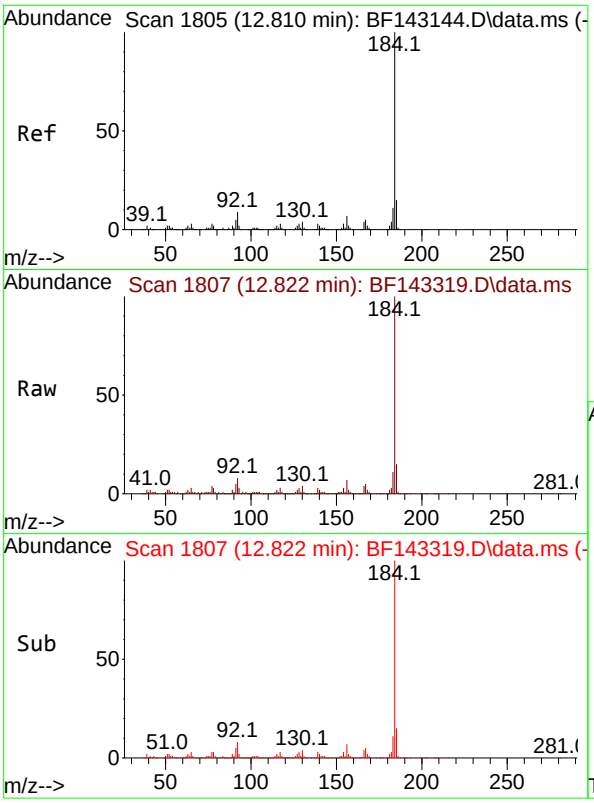


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:240 Resp: 225915

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.4	14.2
236	24.3	20.2	30.4





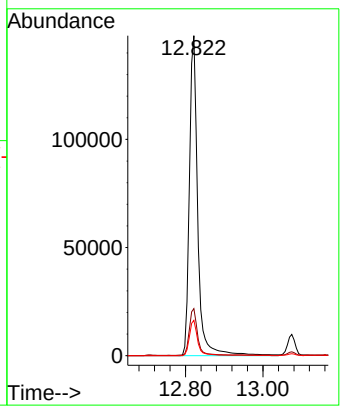
#77
Benzidine
Concen: 25.449 ng
RT: 12.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

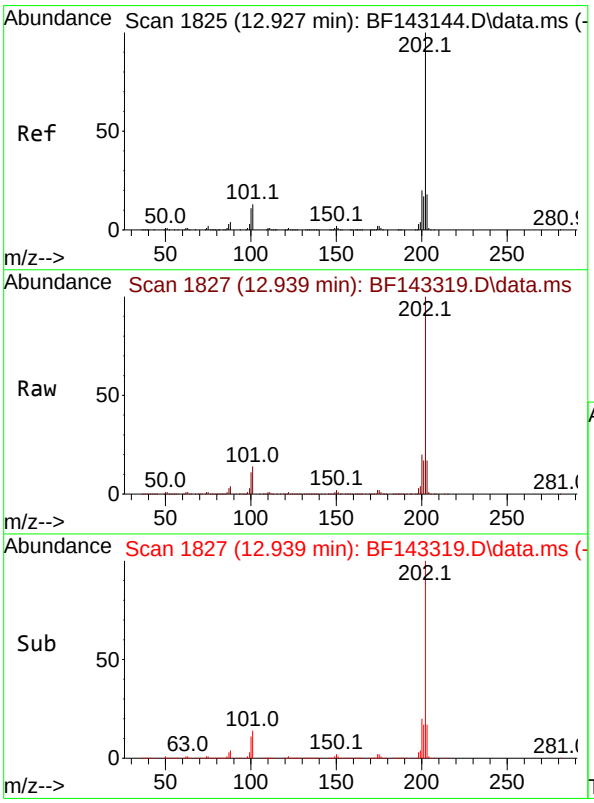
Tgt Ion:184 Resp: 22150

Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.2	18.4
183	11.1	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

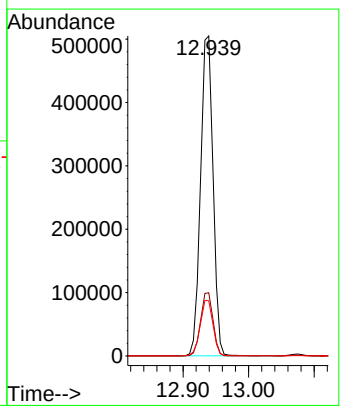


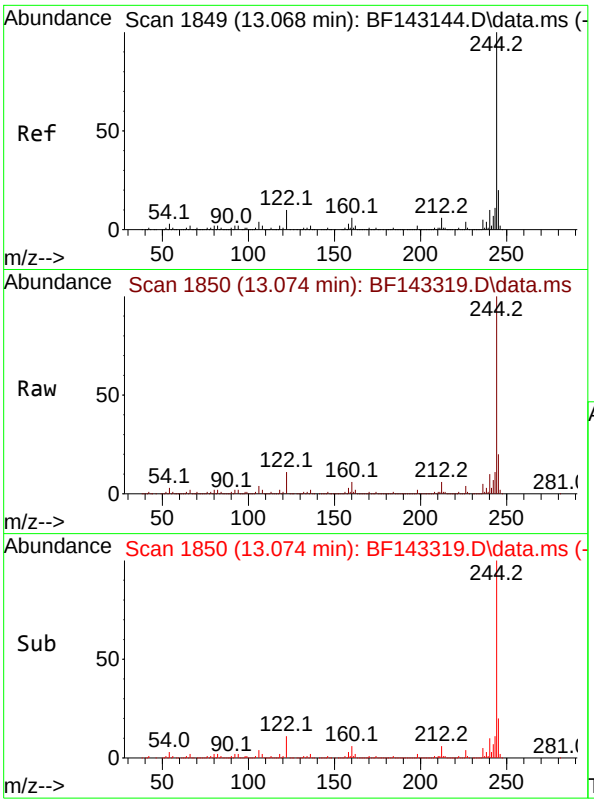


#78
Pyrene
Concen: 34.848 ng
RT: 12.939 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:202 Resp: 671894

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.3	14.2	21.2





#79
Terphenyl-d14
Concen: 68.820 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

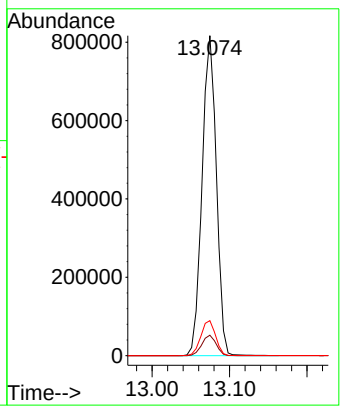
Tgt Ion:244 Resp: 104477

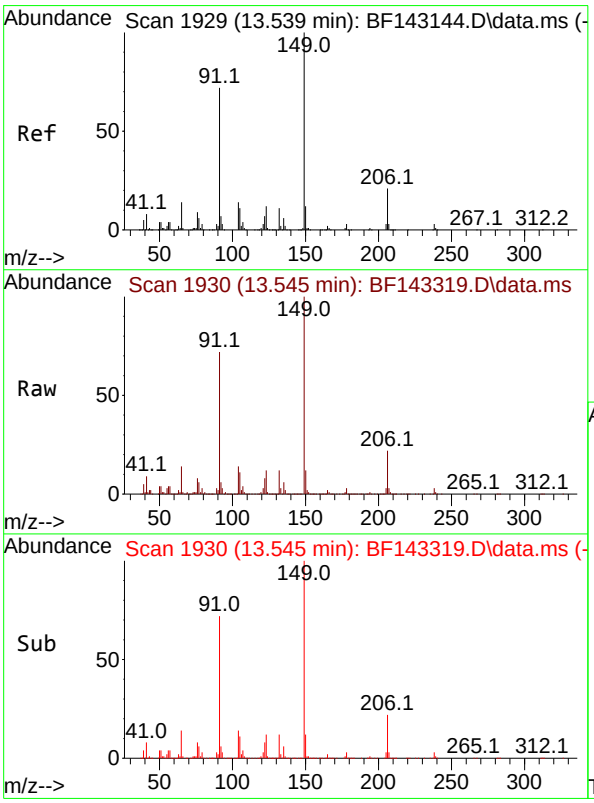
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.0	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

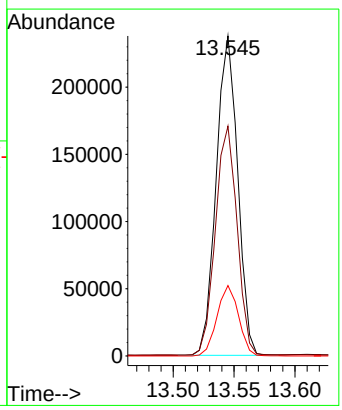


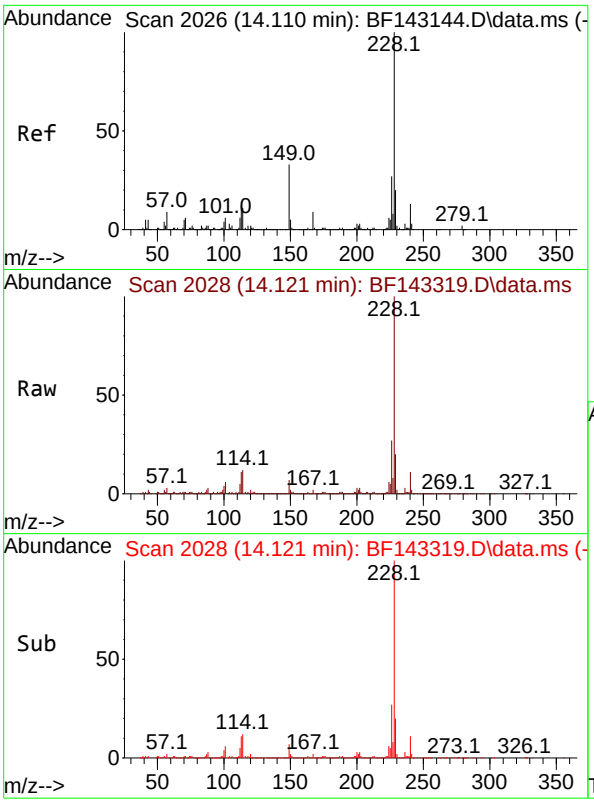


#80
Butylbenzylphthalate
Concen: 49.458 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 291998

Ion	Ratio	Lower	Upper
149	100		
91	71.8	57.9	86.9
206	22.0	17.0	25.4





#81
Benzo(a)anthracene
Concen: 40.100 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

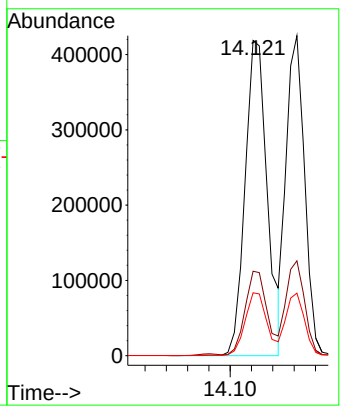
Tgt Ion:228 Resp: 60651

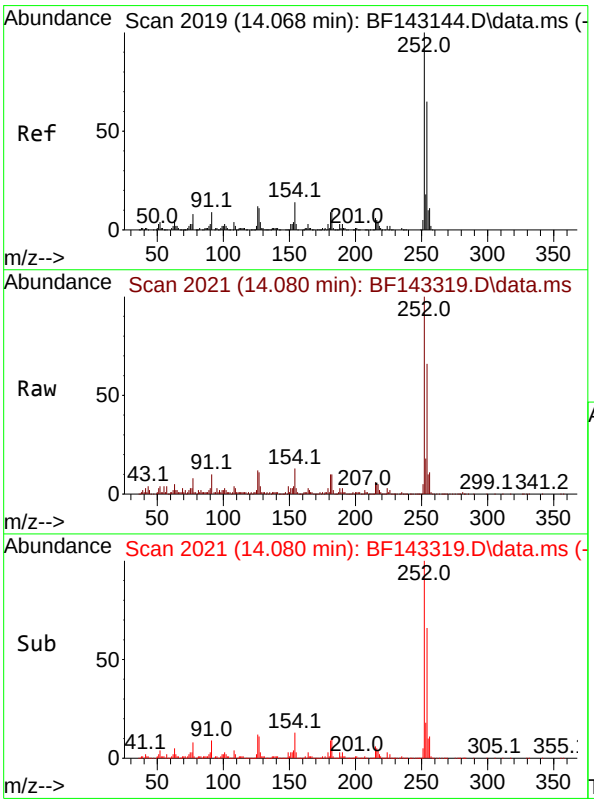
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	20.0	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

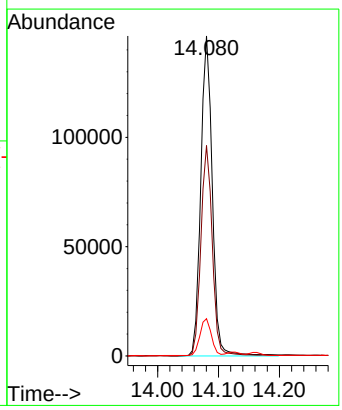


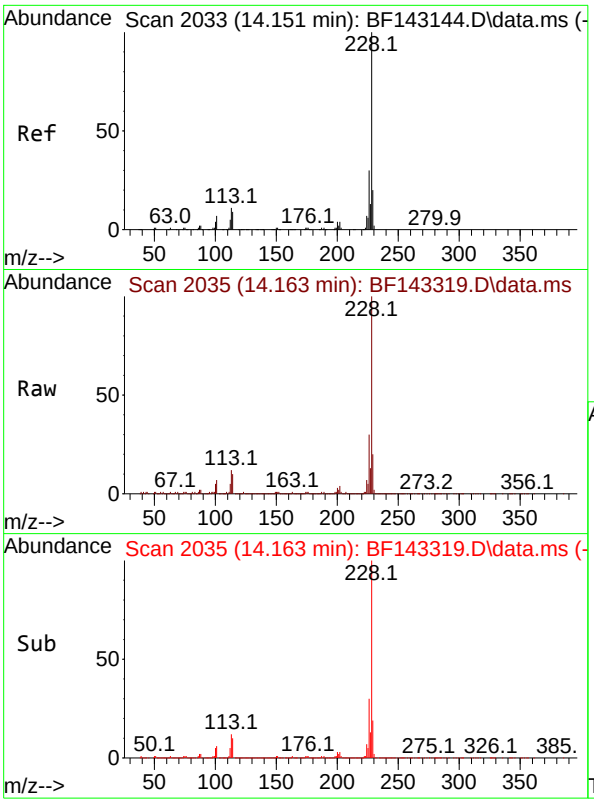


#82
3,3'-Dichlorobenzidine
Concen: 38.242 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:252 Resp: 192778

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.7	77.5
126	11.7	9.4	14.0





#83
Chrysene
Concen: 37.926 ng
RT: 14.163 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

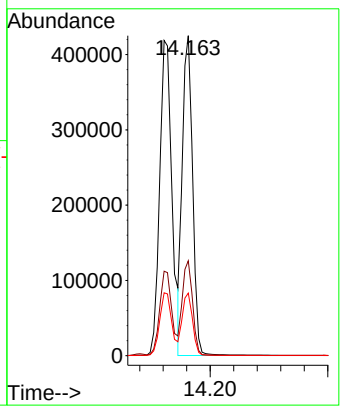
Tgt Ion:228 Resp: 51574

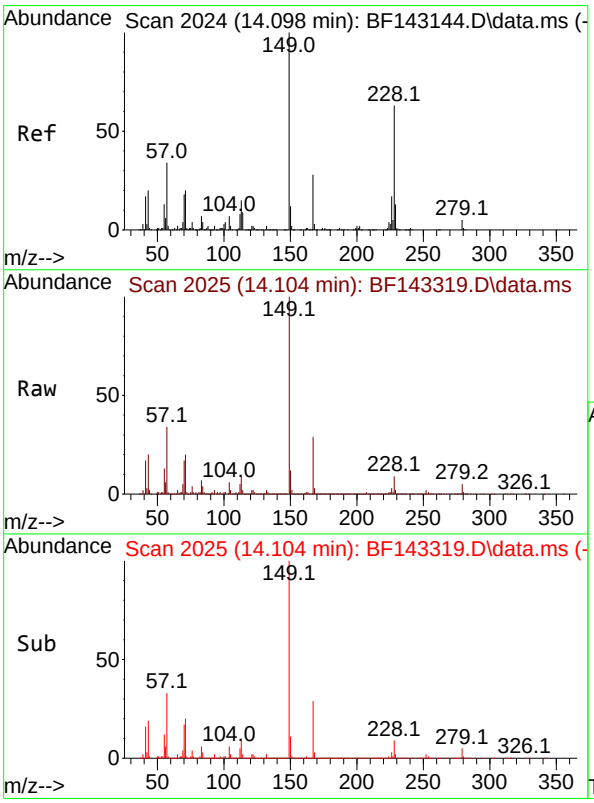
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	19.6	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

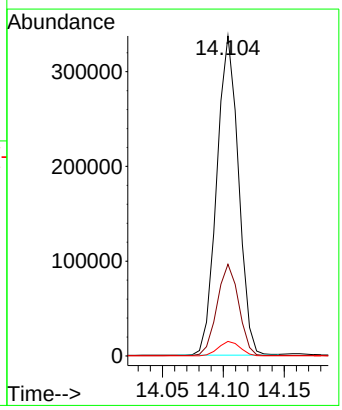


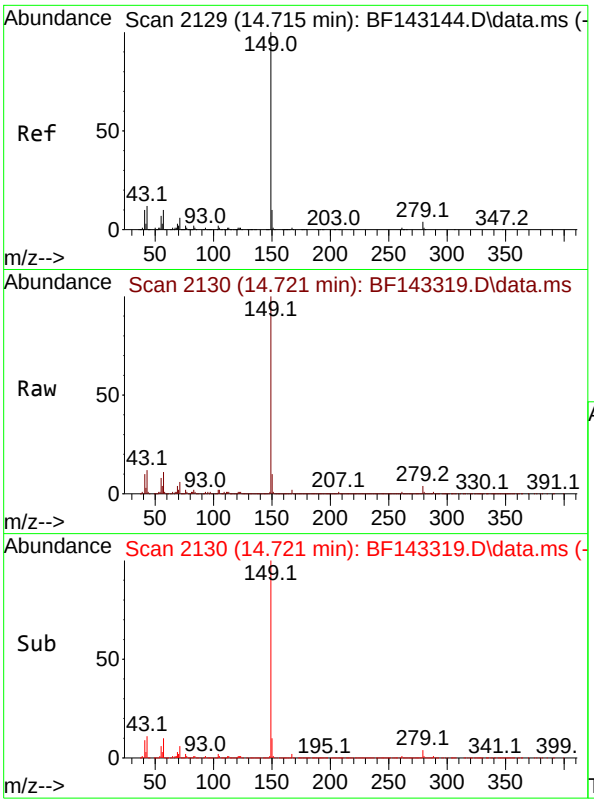


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.851 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 418675

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.3	33.5
279	4.6	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 41.890 ng
RT: 14.721 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

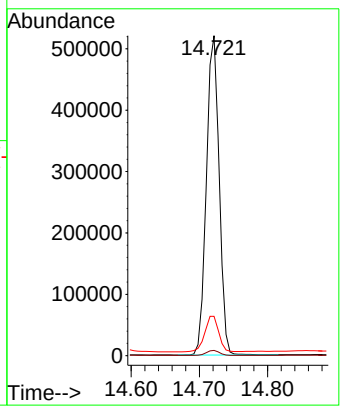
Tgt Ion:149 Resp: 67853

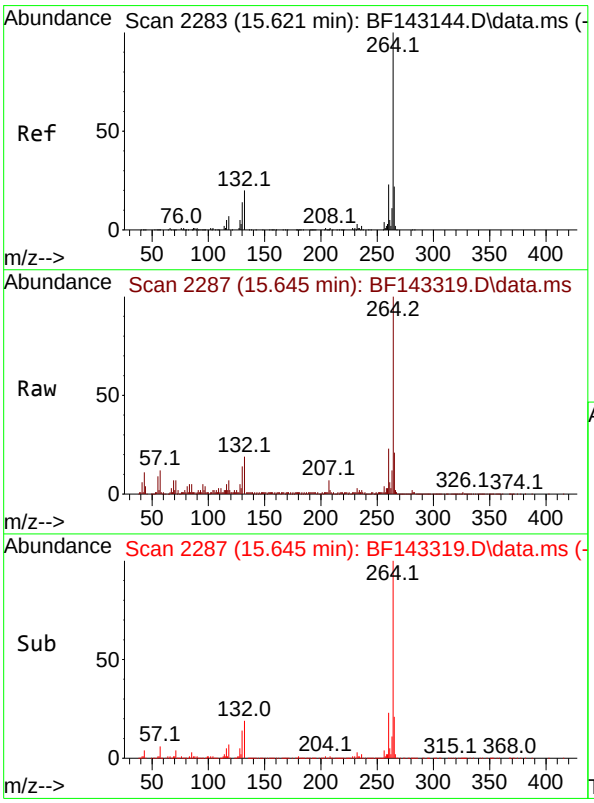
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	12.2	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

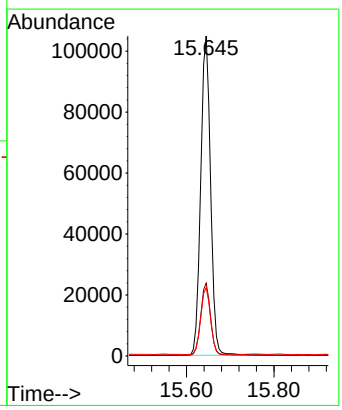


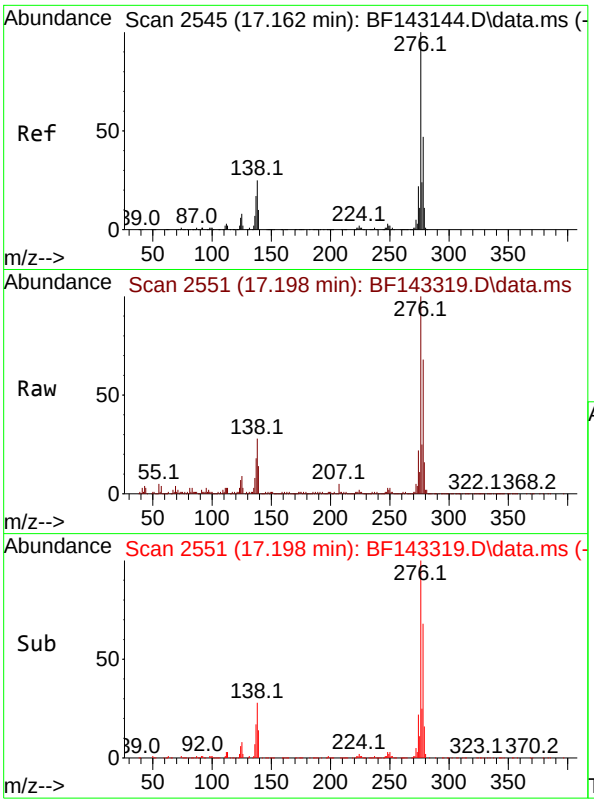


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:264 Resp: 164343

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.4	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 33.390 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

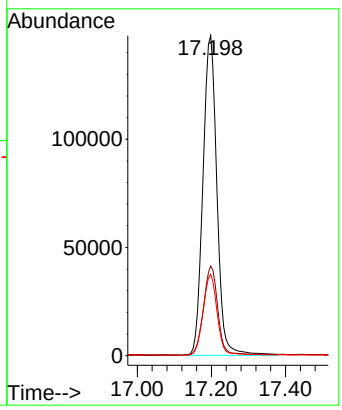
Tgt Ion:276 Resp: 38694

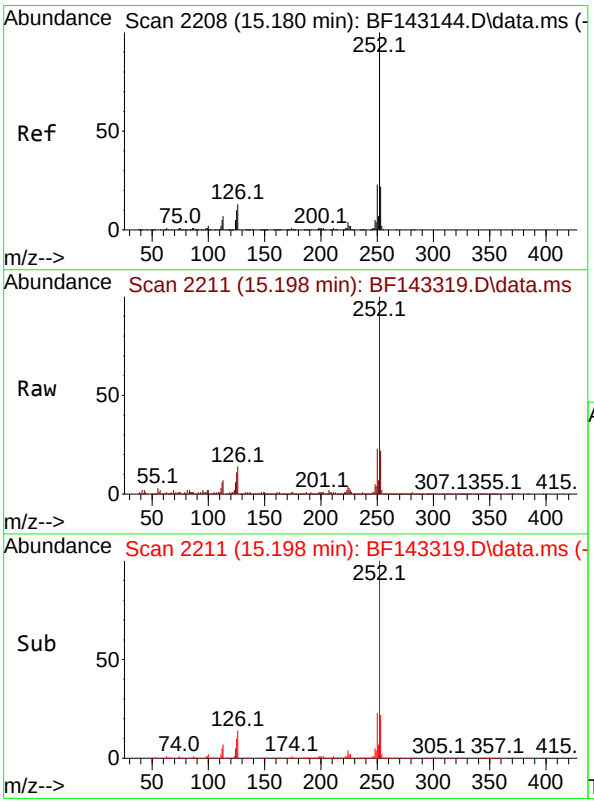
Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.8	32.6
277	25.5	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

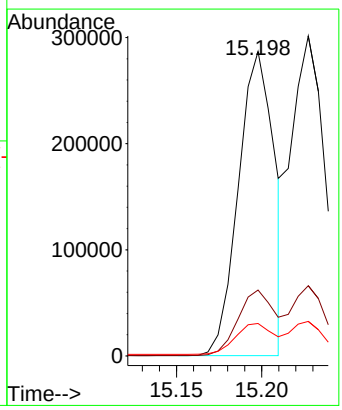


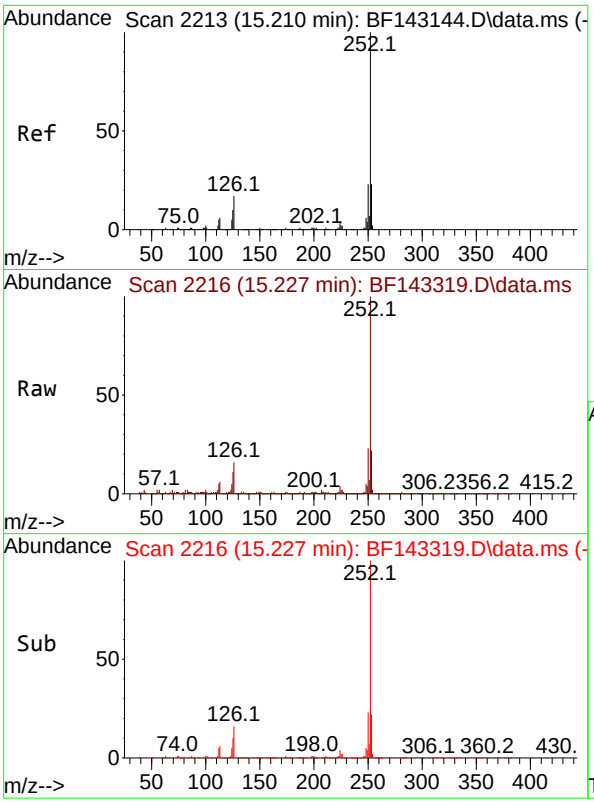


#88
Benzo(b)fluoranthene
Concen: 41.759 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:252 Resp: 419253

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.7	8.0	12.0





#89
Benzo(k)fluoranthene
Concen: 46.960 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

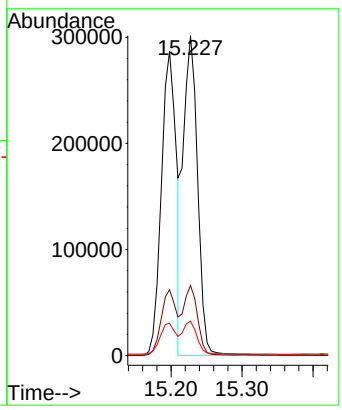
Tgt Ion:252 Resp: 42071

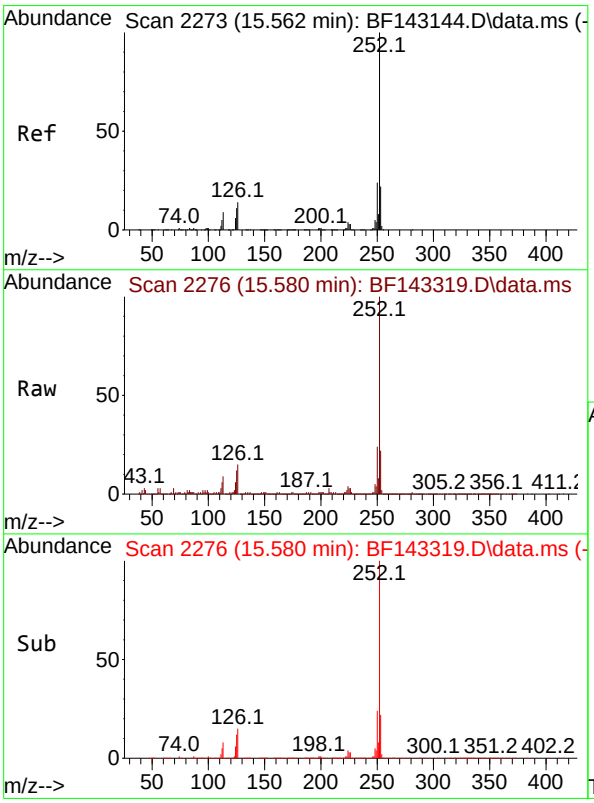
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.8	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

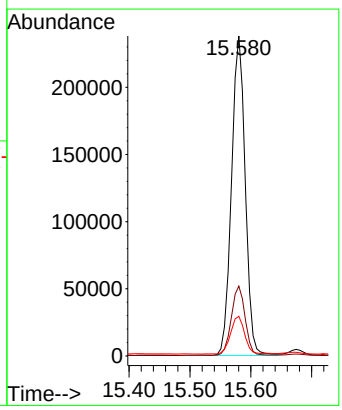


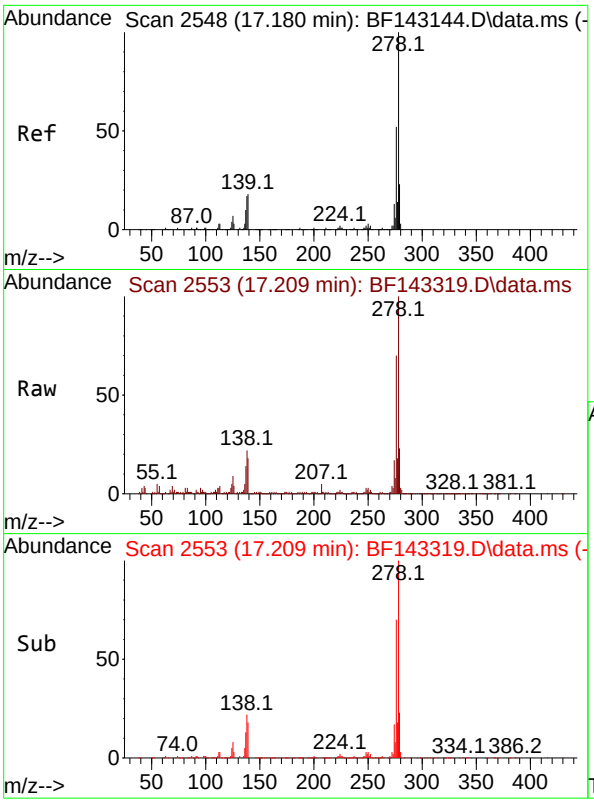


#90
Benzo(a)pyrene
Concen: 40.340 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:252 Resp: 373155

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	12.4	8.6	13.0





#91
Dibenzo(a,h)anthracene
Concen: 33.399 ng
RT: 17.209 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

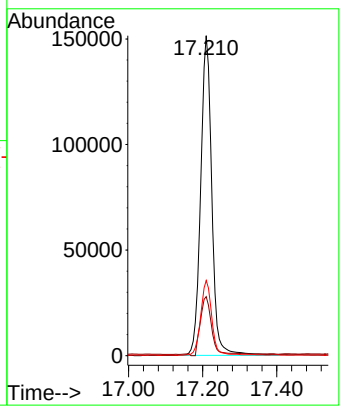
Tgt Ion:278 Resp: 31502

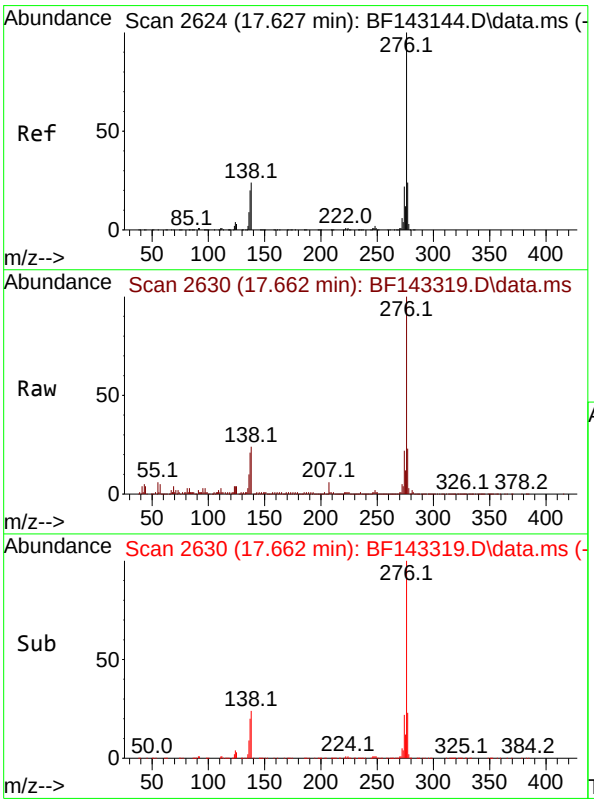
Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.1	21.1
279	23.5	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

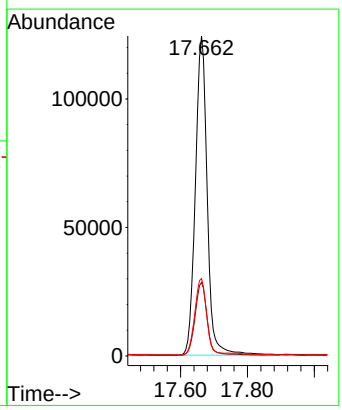




#92
Benzo(g,h,i)perylene
Concen: 33.545 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:276 Resp: 306065

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	24.2	18.9	28.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 06 11:16:26 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	69	0.00
2		1,4-Dioxane	0.598	0.642	-7.4	74	-0.04
3		Pyridine	1.552	1.579	-1.7	72	-0.01
4		n-Nitrosodimethylamine	0.801	0.826	-3.1	71	-0.02
5	S	2-Fluorophenol	1.264	1.292	-2.2	73	0.01
6		Aniline	2.217	2.105	5.1	66	0.00
7	S	Phenol-d6	1.591	1.556	2.2	69	0.01
8		2-Chlorophenol	1.325	1.315	0.8	70	0.01
9		Benzaldehyde	1.193	1.292	-8.3	62	0.00
10	C	Phenol	1.733	1.765	-1.8	72	0.01
11		bis(2-Chloroethyl)ether	1.327	1.347	-1.5	72	0.00
12		1,3-Dichlorobenzene	1.439	1.429	0.7	71	0.00
13	C	1,4-Dichlorobenzene	1.449	1.434	1.0	70	0.00
14		1,2-Dichlorobenzene	1.378	1.361	1.2	70	0.00
15		Benzyl Alcohol	1.215	1.176	3.2	67	0.00
16		2,2'-oxybis(1-Chloropropane	2.461	2.429	1.3	70	0.00
17		2-Methylphenol	1.114	1.059	4.9	67	0.01
18		Hexachloroethane	0.502	0.399	20.5	56	0.00
19	P	n-Nitroso-di-n-propylamine	1.021	0.938	8.1	66	0.00
20		3+4-Methylphenols	1.351	1.253	7.3	65	0.01
21	I	Naphthalene-d8	1.000	1.000	0.0	63	0.00
22		Acetophenone	0.474	0.492	-3.8	68	0.00
23	S	Nitrobenzene-d5	0.401	0.430	-7.2	68	0.00
24		Nitrobenzene	0.374	0.399	-6.7	67	0.00
25		Isophorone	0.708	0.723	-2.1	66	0.00
26	C	2-Nitrophenol	0.162	0.101	37.7#	37#	0.00
27		2,4-Dimethylphenol	0.331	0.324	2.1	63	0.01
28		bis(2-Chloroethoxy)methane	0.425	0.450	-5.9	69	0.00
29	C	2,4-Dichlorophenol	0.279	0.263	5.7	60	0.00
30		1,2,4-Trichlorobenzene	0.302	0.300	0.7	64	0.00
31		Naphthalene	0.985	0.976	0.9	64	0.00
32		Benzoic acid	0.169	0.113	33.1#	39#	-0.02
33		4-Chloroaniline	0.402	0.397	1.2	64	0.00
34	C	Hexachlorobutadiene	0.184	0.187	-1.6	65	0.00
35		Caprolactam	0.084	0.084	0.0	61	0.00
36	C	4-Chloro-3-methylphenol	0.303	0.263	13.2	55	0.01
37		2-Methylnaphthalene	0.599	0.558	6.8	60	0.00
38		1-Methylnaphthalene	0.617	0.575	6.8	60	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	52	0.00
40		1,2,4,5-Tetrachlorobenzene	0.577	0.636	-10.2	60	0.00
41	P	Hexachlorocyclopentadiene	0.376	0.029#	92.3#	4#	0.00
42	S	2,4,6-Tribromophenol	0.207	0.190	8.2	47#	0.00
43	C	2,4,6-Trichlorophenol	0.400	0.371	7.3	50	0.01
44		2,4,5-Trichlorophenol	0.400	0.377	5.8	48#	0.01
45	S	2-Fluorobiphenyl	1.462	1.573	-7.6	60	0.00
46		1,1'-Biphenyl	1.560	1.687	-8.1	59	0.00
47		2-Chloronaphthalene	1.155	1.195	-3.5	56	0.00

Sample Results: **BF143319.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 06 11:16:26 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	0.438	-21.0	60	0.00
49		Acenaphthylene	1.935	1.945	-0.5	54	0.00
50		Dimethylphthalate	1.304	1.440	-10.4	58	0.00
51		2,6-Dinitrotoluene	0.265	0.255	3.8	48#	0.00
52	C	Acenaphthene	1.144	1.091	4.6	52	0.00
53		3-Nitroaniline	0.310	0.381	-22.9	62	0.00
54	P	2,4-Dinitrophenol	0.098	0.001#	99.0#	1#	0.01
55		Dibenzofuran	1.698	1.660	2.2	53	0.00
56	P	4-Nitrophenol	0.232	0.345	-48.7#	73	0.02
57		2,4-Dinitrotoluene	0.333	0.304	8.7	44#	0.00
58		Fluorene	1.274	1.229	3.5	53	0.00
59		2,3,4,6-Tetrachlorophenol	0.331	0.303	8.5	47#	0.00
60		Diethylphthalate	1.289	1.339	-3.9	55	0.00
61		4-Chlorophenyl-phenylether	0.635	0.624	1.7	53	0.00
62		4-Nitroaniline	0.266	0.348	-30.8#	65	0.00
63		Azobenzene	1.343	1.281	4.6	50	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	49#	0.00
65		4,6-Dinitro-2-methylphenol	0.094	0.003	96.8#	1#	0.00
66	c	n-Nitrosodiphenylamine	0.704	0.705	-0.1	51	0.00
67		4-Bromophenyl-phenylether	0.238	0.230	3.4	50#	0.00
68		Hexachlorobenzene	0.249	0.231	7.2	48#	0.00
69		Atrazine	0.194	0.182	6.2	46#	0.00
70	C	Pentachlorophenol	0.147	0.109	25.9#	36#	0.01
71		Phenanthrene	1.062	1.061	0.1	51	0.00
72		Anthracene	1.083	1.105	-2.0	52	0.00
73		Carbazole	0.946	1.057	-11.7	56	0.00
74		Di-n-butylphthalate	1.070	1.233	-15.2	57	0.00
75	C	Fluoranthene	0.975	1.229	-26.1#	63	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	76	0.01
77		Benzidine	0.771	0.490	36.4#	39#	0.01
78		Pyrene	1.707	1.487	12.9	66	0.01
79	S	Terphenyl-d14	1.344	1.156	14.0	67	0.00
80		Butylbenzylphthalate	0.523	0.646	-23.5	91	0.00
81		Benzo(a)anthracene	1.339	1.342	-0.2	80	0.01
82		3,3'-Dichlorobenzidine	0.446	0.427	4.3	76	0.01
83		Chrysene	1.204	1.141	5.2	72	0.01
84		Bis(2-ethylhexyl)phthalate	0.791	0.927	-17.2	89	0.00
85	c	Di-n-octyl phthalate	1.434	1.502	-4.7	83	0.00
86	I	Perylene-d12	1.000	1.000	0.0	51	0.02
87		Indeno(1,2,3-cd)pyrene	1.410	1.177	16.5	42#	0.04
88		Benzo(b)fluoranthene	1.222	1.276	-4.4	56	0.02
89		Benzo(k)fluoranthene	1.090	1.280	-17.4	57	0.02
90	C	Benzo(a)pyrene	1.126	1.135	-0.8	51	0.02
91		Dibenzo(a,h)anthracene	1.148	0.958	16.6	42#	0.03
92		Benzo(g,h,i)perylene	1.110	0.931	16.1	43#	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 06 11:16:26 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 = 2 CCC's out = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 06 11:16:26 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	69	0.00
2		1,4-Dioxane	40.000	42.956	-7.4	74	-0.04
3		Pyridine	40.000	40.678	-1.7	72	-0.01
4		n-Nitrosodimethylamine	40.000	41.203	-3.0	71	-0.02
5	S	2-Fluorophenol	80.000	81.764	-2.2	73	0.01
6		Aniline	40.000	37.980	5.1	66	0.00
7	S	Phenol-d6	80.000	78.253	2.2	69	0.01
8		2-Chlorophenol	40.000	39.692	0.8	70	0.01
9		Benzaldehyde	40.000	43.315	-8.3	62	0.00
10	C	Phenol	40.000	40.741	-1.9	72	0.01
11		bis(2-Chloroethyl)ether	40.000	40.592	-1.5	72	0.00
12		1,3-Dichlorobenzene	40.000	39.709	0.7	71	0.00
13	C	1,4-Dichlorobenzene	40.000	39.566	1.1	70	0.00
14		1,2-Dichlorobenzene	40.000	39.503	1.2	70	0.00
15		Benzyl Alcohol	40.000	38.739	3.2	67	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	39.468	1.3	70	0.00
17		2-Methylphenol	40.000	38.016	5.0	67	0.01
18		Hexachloroethane	40.000	31.791	20.5	56	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.776	8.1	66	0.00
20		3+4-Methylphenols	40.000	37.084	7.3	65	0.01
21	I	Naphthalene-d8	20.000	20.000	0.0	63	0.00
22		Acetophenone	40.000	41.532	-3.8	68	0.00
23	S	Nitrobenzene-d5	80.000	85.691	-7.1	68	0.00
24		Nitrobenzene	40.000	42.649	-6.6	67	0.00
25		Isophorone	40.000	40.854	-2.1	66	0.00
26	C	2-Nitrophenol	40.000	24.763	38.1#	37	0.00
27		2,4-Dimethylphenol	40.000	39.121	2.2	63	0.01
28		bis(2-Chloroethoxy)methane	40.000	42.404	-6.0	69	0.00
29	C	2,4-Dichlorophenol	40.000	37.756	5.6	60	0.00
30		1,2,4-Trichlorobenzene	40.000	39.822	0.4	64	0.00
31		Naphthalene	40.000	39.649	0.9	64	0.00
32		Benzoic acid	40.000	26.755	33.1#	39	-0.02
33		4-Chloroaniline	40.000	39.509	1.2	64	0.00
34	C	Hexachlorobutadiene	40.000	40.507	-1.3	65	0.00
35		Caprolactam	40.000	39.838	0.4	61	0.00
36	C	4-Chloro-3-methylphenol	40.000	34.734	13.2	55	0.01
37		2-Methylnaphthalene	40.000	37.268	6.8	60	0.00
38		1-Methylnaphthalene	40.000	37.272	6.8	60	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	52	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	44.049	-10.1	60	0.00
41	P	Hexachlorocyclopentadiene	40.000	3.125	92.2#	4	0.00
42	S	2,4,6-Tribromophenol	80.000	73.759	7.8	47	0.00
43	C	2,4,6-Trichlorophenol	40.000	37.154	7.1	50	0.01
44		2,4,5-Trichlorophenol	40.000	37.720	5.7	48	0.01
45	S	2-Fluorobiphenyl	80.000	86.070	-7.6	60	0.00
46		1,1'-Biphenyl	40.000	43.239	-8.1	59	0.00
47		2-Chloronaphthalene	40.000	41.417	-3.5	56	0.00

Sample Results: **BF143319.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 06 11:16:26 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	48.428	-21.1	60	0.00
49		Acenaphthylene	40.000	40.205	-0.5	54	0.00
50		Dimethylphthalate	40.000	44.194	-10.5	58	0.00
51		2,6-Dinitrotoluene	40.000	38.398	4.0	48	0.00
52	C	Acenaphthene	40.000	38.143	4.6	52	0.00
53		3-Nitroaniline	40.000	49.113	-22.8	62	0.00
54	P	2,4-Dinitrophenol	40.000	7.056	82.4#	1	0.01
55		Dibenzofuran	40.000	39.101	2.2	53	0.00
56	P	4-Nitrophenol	40.000	59.649	-49.1#	73	0.02
57		2,4-Dinitrotoluene	40.000	36.532	8.7	44	0.00
58		Fluorene	40.000	38.582	3.5	53	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	36.617	8.5	47	0.00
60		Diethylphthalate	40.000	41.574	-3.9	55	0.00
61		4-Chlorophenyl-phenylether	40.000	39.319	1.7	53	0.00
62		4-Nitroaniline	40.000	52.351	-30.9#	65	0.00
63		Azobenzene	40.000	38.157	4.6	50	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	49	0.00
65		4,6-Dinitro-2-methylphenol	40.000	6.326	84.2#	1	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.035	-0.1	51	0.00
67		4-Bromophenyl-phenylether	40.000	38.674	3.3	50	0.00
68		Hexachlorobenzene	40.000	37.156	7.1	48	0.00
69		Atrazine	40.000	37.500	6.3	46	0.00
70	C	Pentachlorophenol	40.000	29.810	25.5#	36	0.01
71		Phenanthrene	40.000	39.982	0.0	51	0.00
72		Anthracene	40.000	40.821	-2.1	52	0.00
73		Carbazole	40.000	44.686	-11.7	56	0.00
74		Di-n-butylphthalate	40.000	46.098	-15.2	57	0.00
75	C	Fluoranthene	40.000	50.419	-26.0#	63	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	76	0.01
77		Benzidine	40.000	25.449	36.4#	39	0.01
78		Pyrene	40.000	34.848	12.9	66	0.01
79	S	Terphenyl-d14	80.000	68.820	14.0	67	0.00
80		Butylbenzylphthalate	40.000	49.458	-23.6	91	0.00
81		Benzo(a)anthracene	40.000	40.100	-0.3	80	0.01
82		3,3'-Dichlorobenzidine	40.000	38.242	4.4	76	0.01
83		Chrysene	40.000	37.926	5.2	72	0.01
84		Bis(2-ethylhexyl)phthalate	40.000	46.851	-17.1	89	0.00
85	c	Di-n-octyl phthalate	40.000	41.890	-4.7	83	0.00
86	I	Perylene-d12	20.000	20.000	0.0	51	0.02
87		Indeno(1,2,3-cd)pyrene	40.000	33.390	16.5	42	0.04
88		Benzo(b)fluoranthene	40.000	41.759	-4.4	56	0.02
89		Benzo(k)fluoranthene	40.000	46.960	-17.4	57	0.02
90	C	Benzo(a)pyrene	40.000	40.340	-0.9	51	0.02
91		Dibenzo(a,h)anthracene	40.000	33.399	16.5	42	0.03
92		Benzo(g,h,i)perylene	40.000	33.545	16.1	43	0.04

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Aug 06 11:16:26 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 = 3

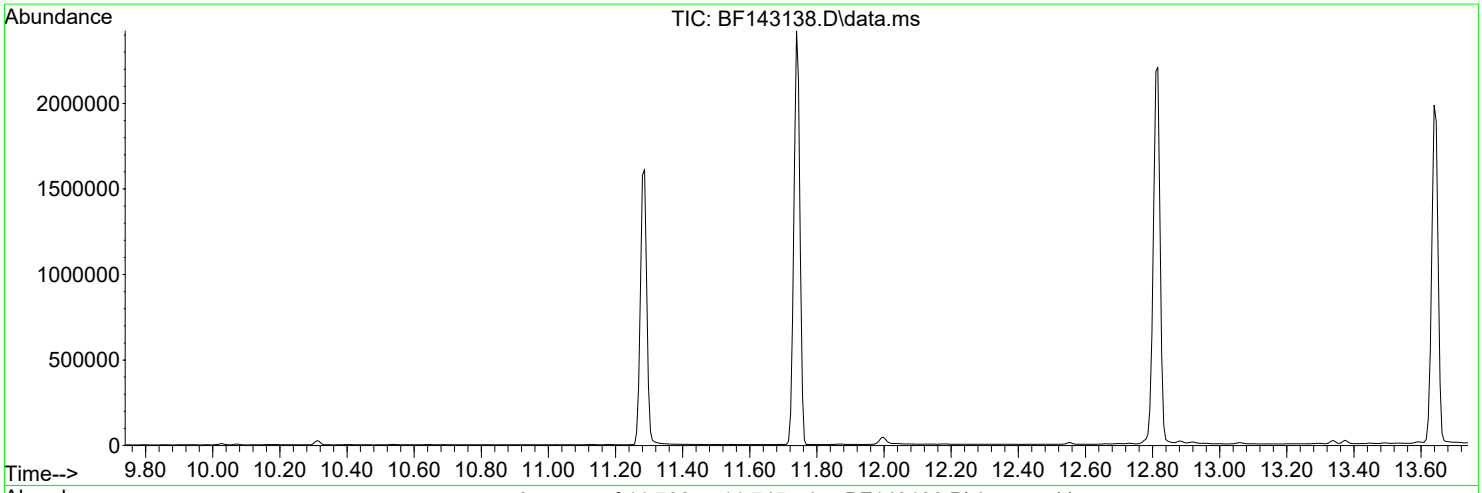
QC SAMPLE DATA

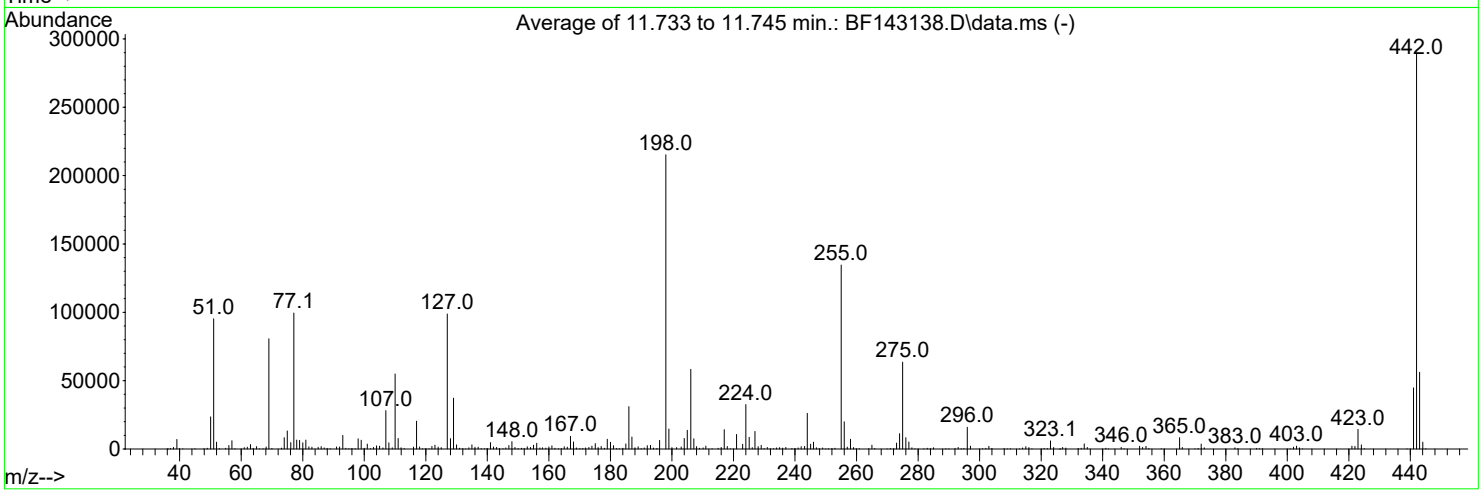
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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





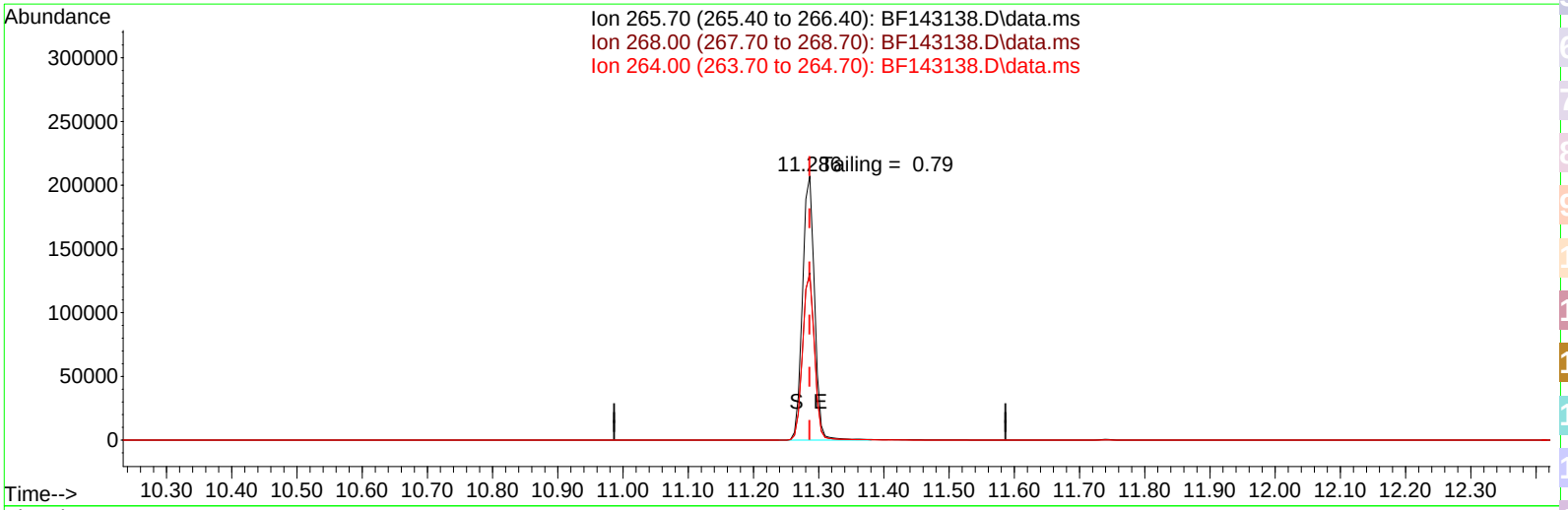
AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

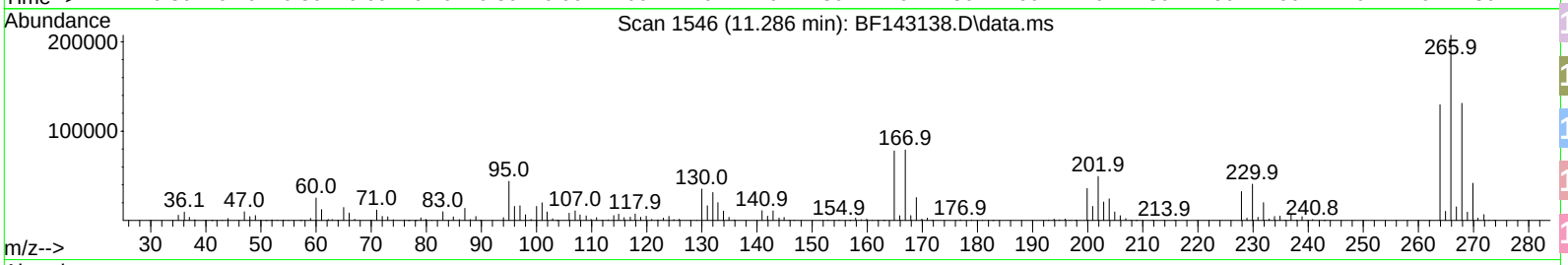
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.9	1515	PASS
69	69	100	100	100.0	80680	PASS
70	69	0.00	2	0.5	430	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	215296	PASS
199	198	5	9	6.8	14617	PASS
365	198	1	100	3.8	8287	PASS
441	443	0.01	150	79.6	44723	PASS
442	442	100	100	100.0	288853	PASS
443	442	15	24	19.5	56203	PASS

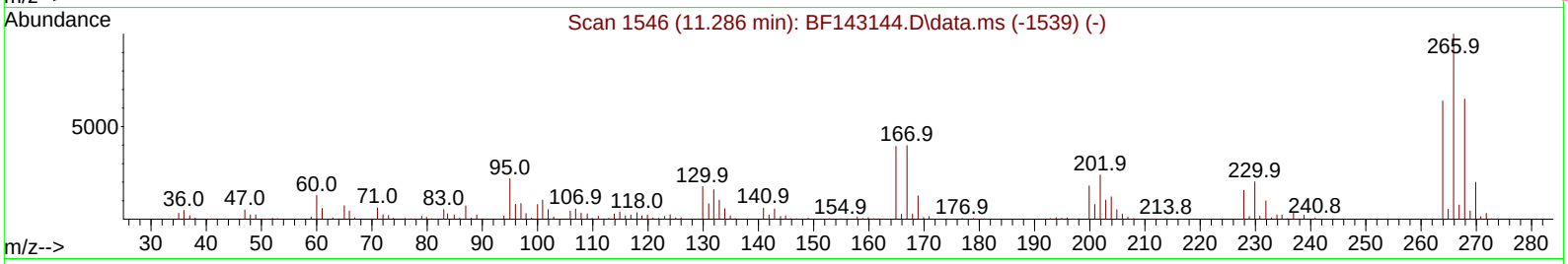
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

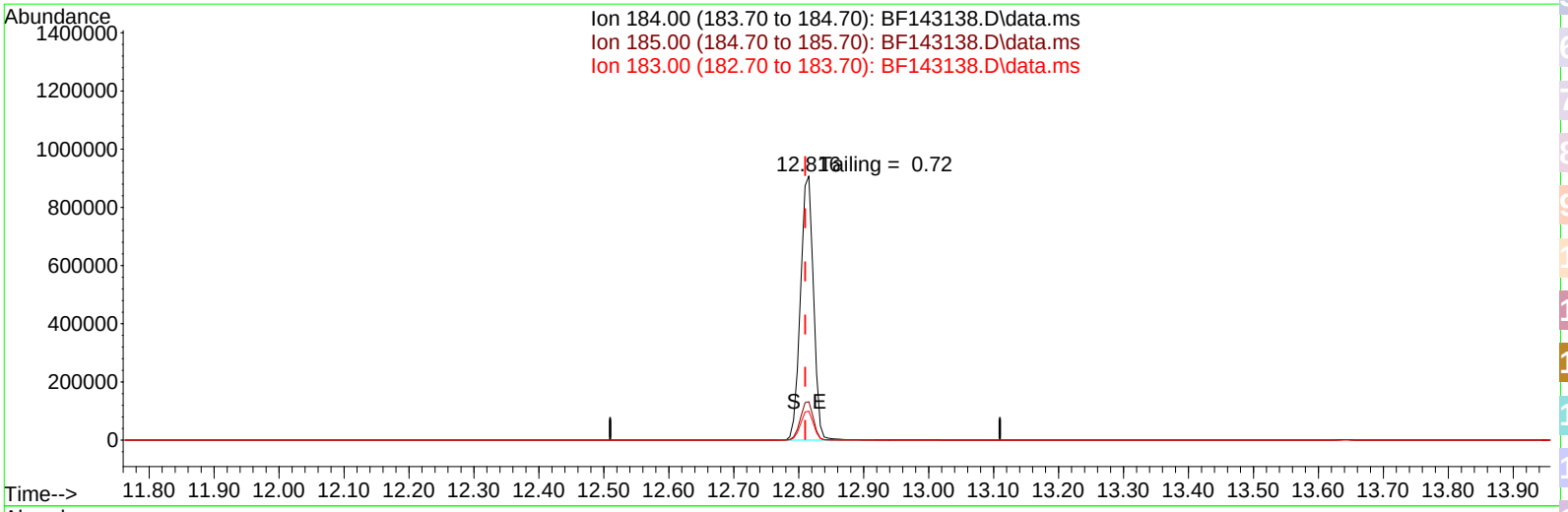
response 268044

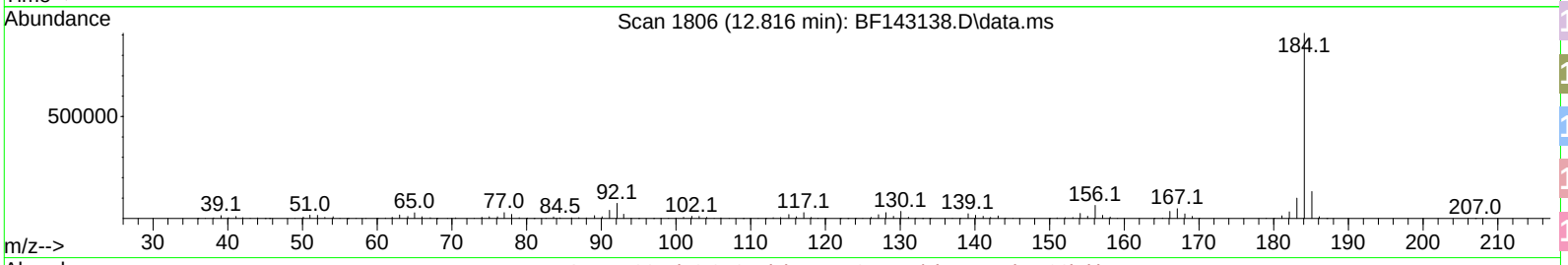
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.24
264.00	63.80	62.50
0.00	0.00	0.00

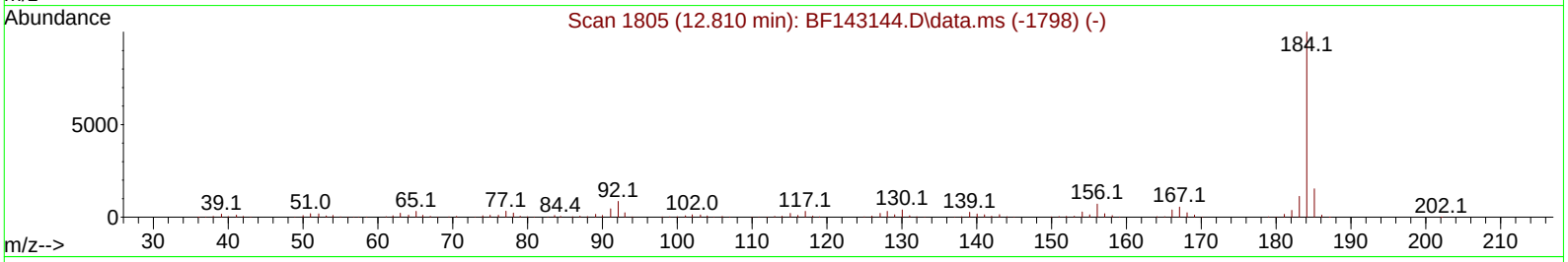
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
Data File : BF143138.D
Acq On : 17 Jul 2025 09:58
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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

DDT Breakdown

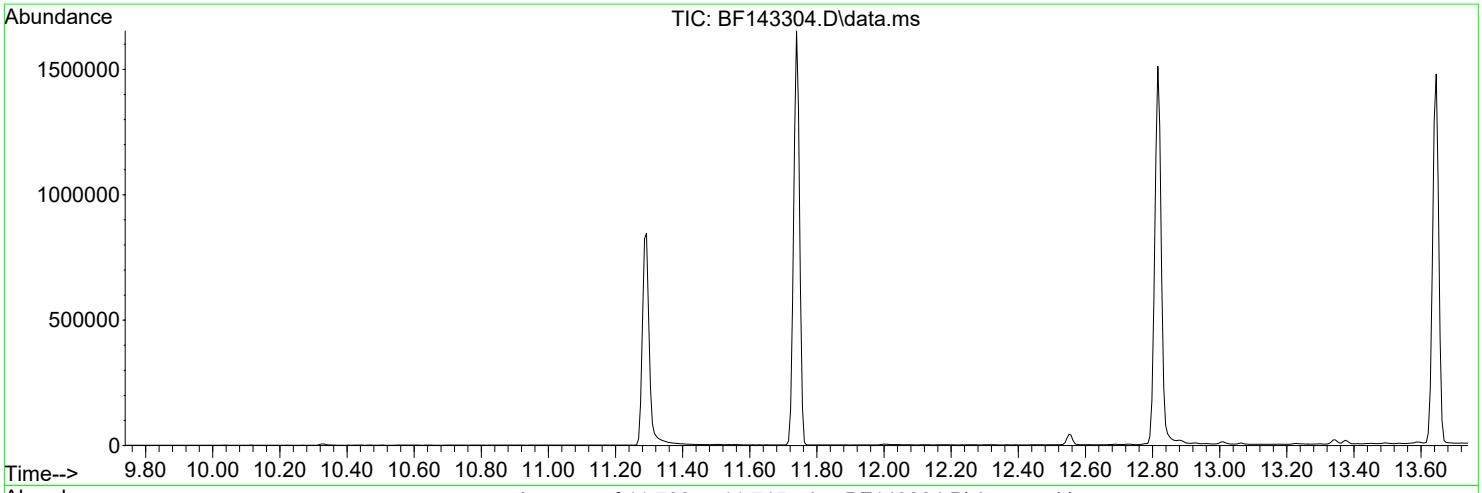
Date	Instrument Name	DFTPP Data File
7/17/2025	BNA_F	BF143138.D
Compound Name	**Response**	**Retention Time**
DDT	490244	13.639
DDD	9488	13.339
DDE	328	13.004
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
9816	500060	1.96

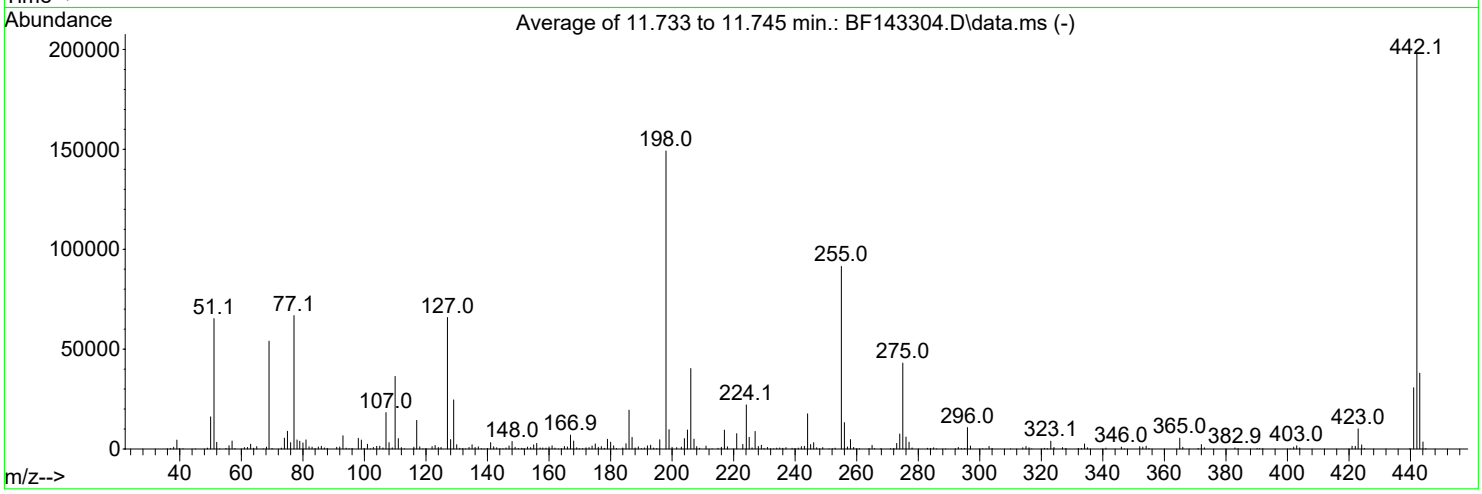
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143304.D
Acq On : 05 Aug 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

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





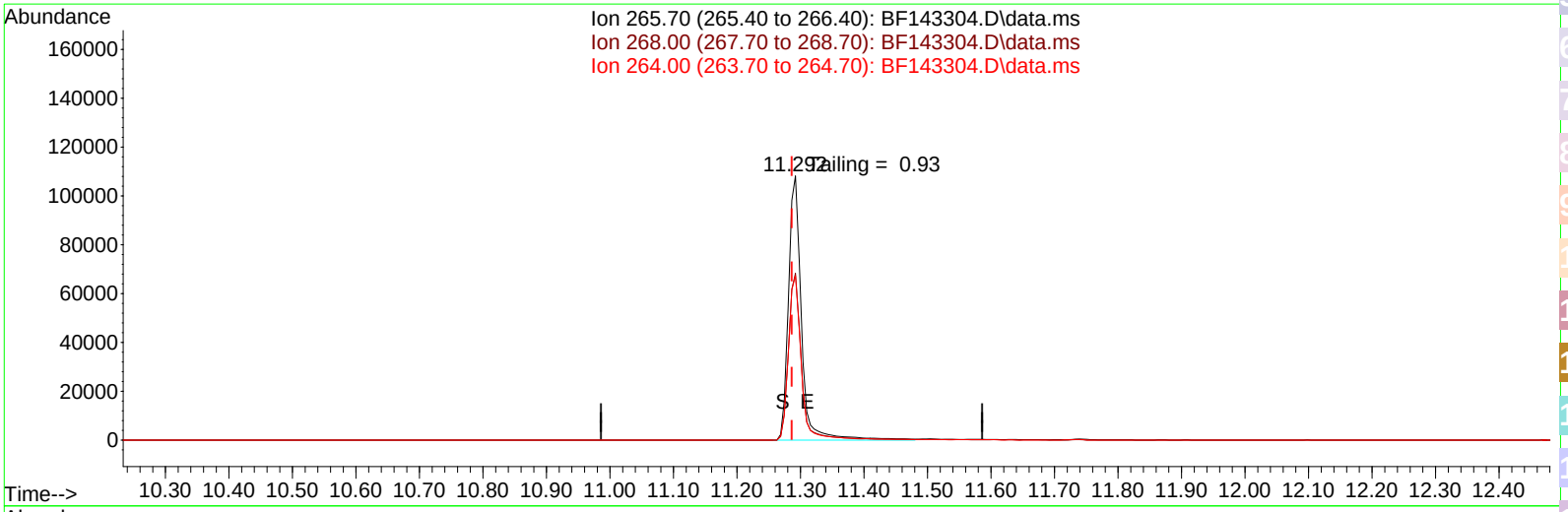
AutoFind: Scans 1622, 1623, 1624; Background Corrected with Scan 1616

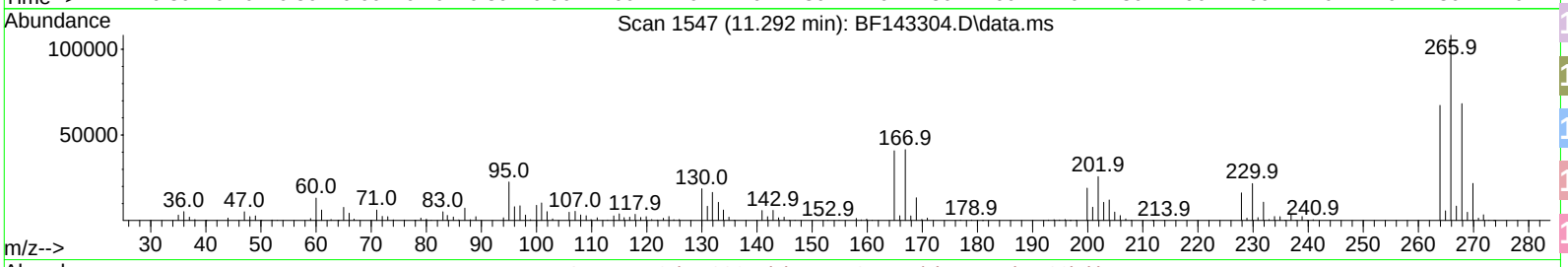
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
68	69	0.00	2	1.8	990	PASS
69	69	100	100	100.0	54003	PASS
70	69	0.00	2	0.6	308	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	149269	PASS
199	198	5	9	6.5	9674	PASS
365	198	1	100	3.6	5435	PASS
441	443	0.01	150	80.9	30712	PASS
442	442	100	100	100.0	197653	PASS
443	442	15	24	19.2	37949	PASS

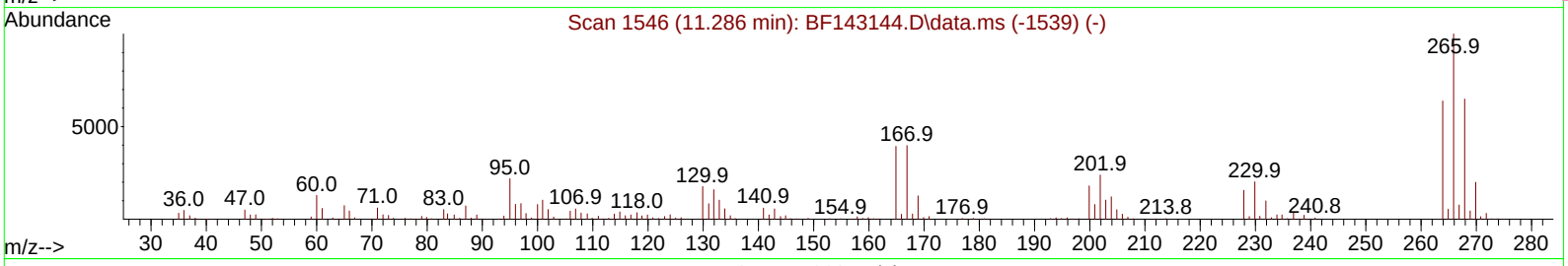
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143304.D
Acq On : 05 Aug 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 05 10:59:37 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: BF143304.D\data.ms

(70) Pentachlorophenol (C)

11.292min (+ 0.006) 26944.60 ng

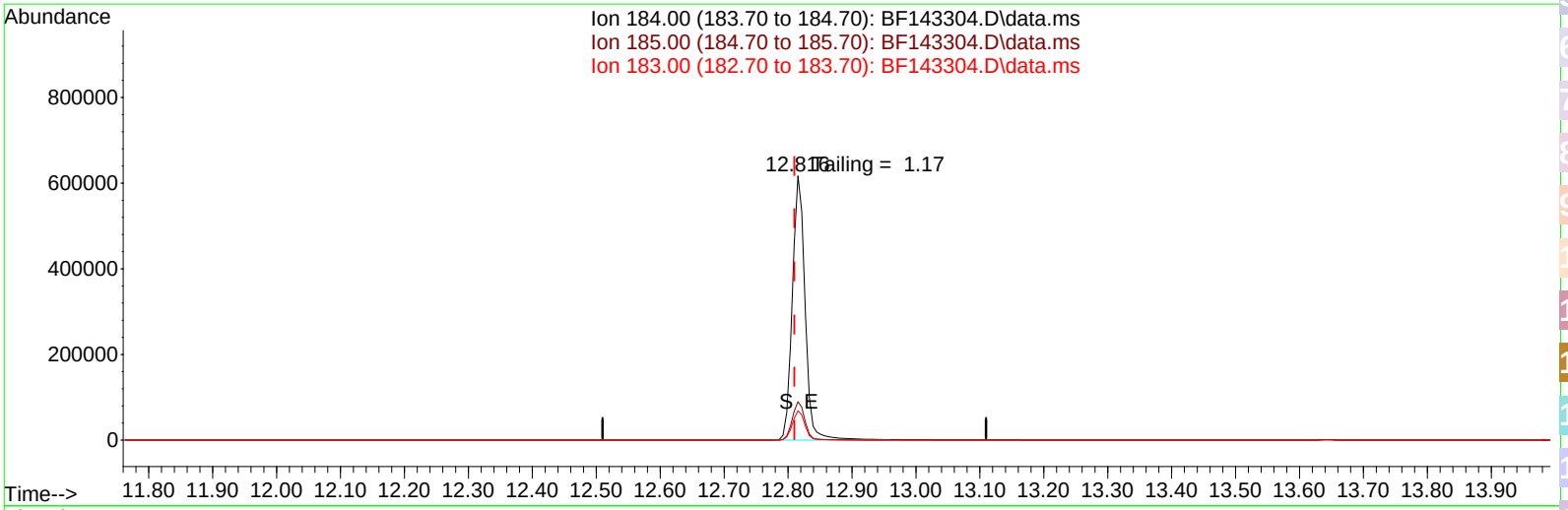
response 154742

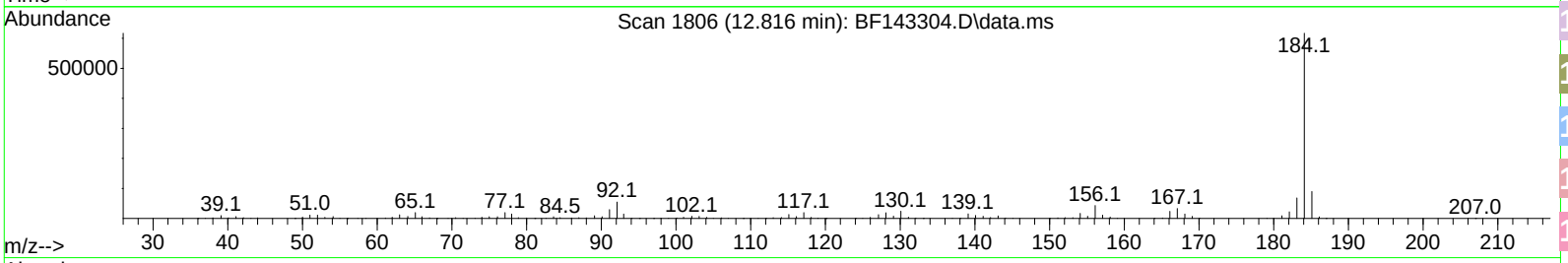
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	64.90	63.16
264.00	63.80	62.23
0.00	0.00	0.00

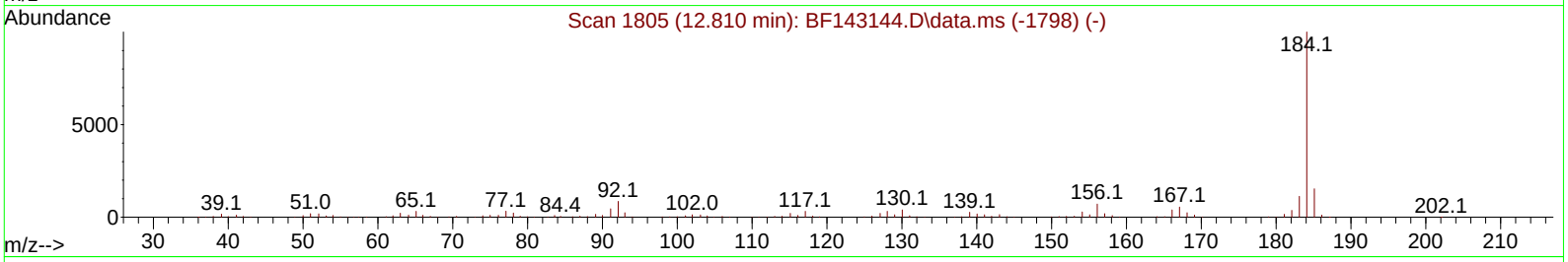
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143304.D
Acq On : 05 Aug 2025 09:02
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Aug 05 10:59:37 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: BF143304.D\data.ms

(77) Benzidine

12.816min (+ 0.006) 0.00 ng

response 856718

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.30	14.56
183.00	11.20	11.12
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
8/5/2025	BNA_F	BF143304.D
Compound Name	**Response**	**Retention Time**
DDT	370669	13.645
DDD	8918	13.345
DDE	3130	13.01
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
12048	382717	3.15

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:	PB169095BL	SDG No.:	Q2747
Lab Sample ID:	PB169095BL	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
BF143306.D	1	08/04/25 09:20	08/05/25 10:29	PB169095

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	85.1		37 - 122		85%	SPK: 100
321-60-8	2-Fluorobiphenyl	82.1		44 - 115		82%	SPK: 100
1718-51-0	Terphenyl-d14	82.4		54 - 127		82%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	115000	6.963				
1146-65-2	Naphthalene-d8	445000	8.239				
15067-26-2	Acenaphthene-d10	232000	9.998				
1517-22-2	Phenanthrene-d10	385000	11.486				
1719-03-5	Chrysene-d12	231000	14.127				
1520-96-3	Perylene-d12	249000	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:	PB169095BL			SDG No.:	Q2747
Lab Sample ID:	PB169095BL			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
BF143306.D	1	08/04/25 09:20	08/05/25 10:29	PB169095

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\BF080525\
Data File : BF143306.D
Acq On : 05 Aug 2025 10:29
Operator : RC/JU
Sample : PB169095BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Quant Time: Aug 05 11:02:50 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	114562	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	444658	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	231807	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	384624	20.000	ng	0.00
76) Chrysene-d12	14.127	240	231168	20.000	ng	0.00
86) Perylene-d12	15.633	264	249231	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	892339	123.260	ng	0.01
7) Phenol-d6	6.587	99	1132998	124.338	ng	0.00
23) Nitrobenzene-d5	7.516	82	758819	85.065	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	303025	126.540	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	1392098	82.131	ng	0.00
79) Terphenyl-d14	13.069	244	1279760	82.383	ng	0.00

Target Compounds Qvalue

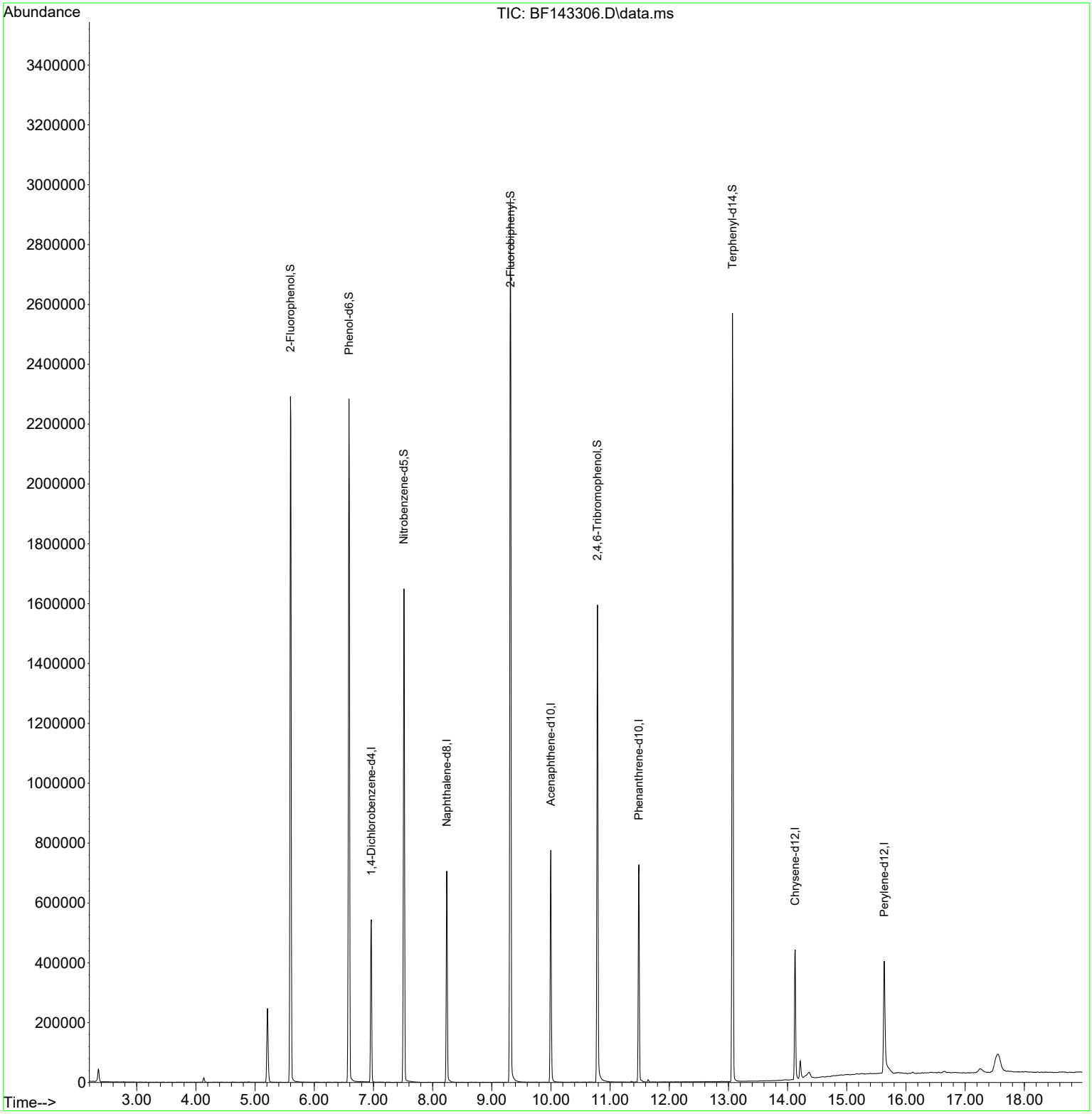
(#) = qualifier out of range (m) = manual integration (+) = signals summed

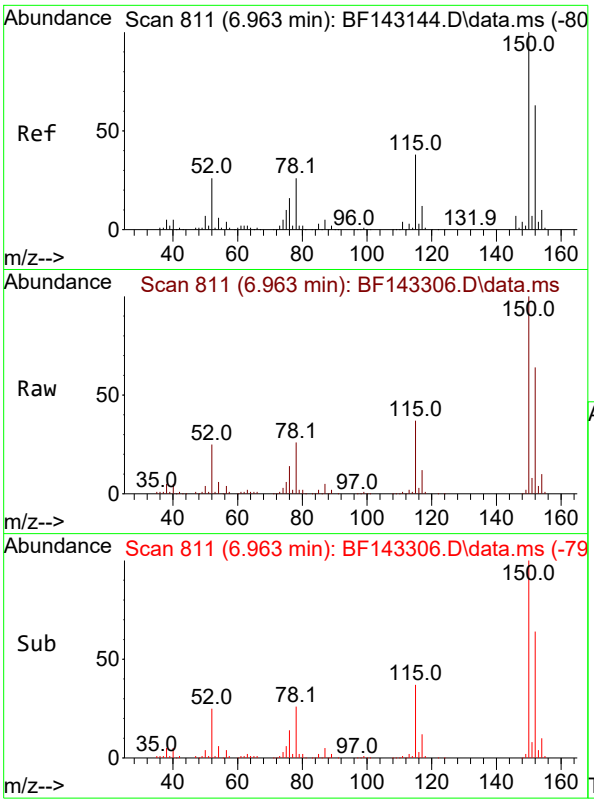
Sample Results: **BF143306.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143306.D
Acq On : 05 Aug 2025 10:29
Operator : RC/JU
Sample : PB169095BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Quant Time: Aug 05 11:02:50 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



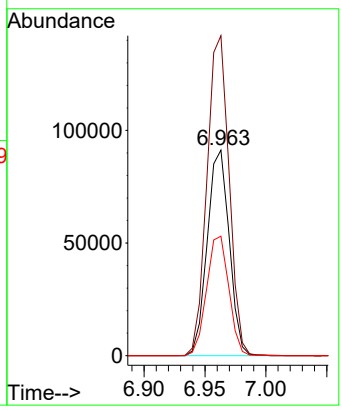


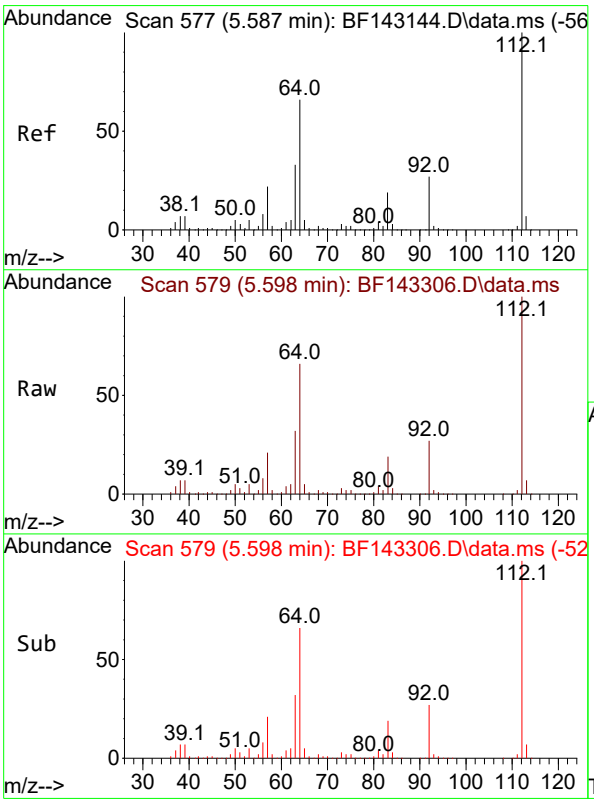
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Tgt Ion:152 Resp: 114562

Ion	Ratio	Lower	Upper
152	100		
150	155.6	128.2	192.4
115	58.1	47.9	71.9

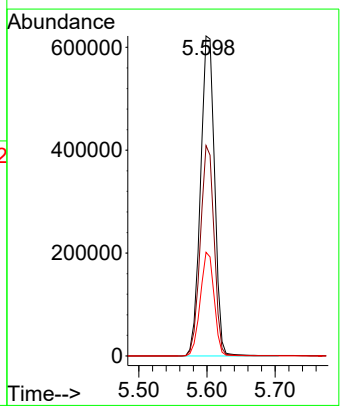


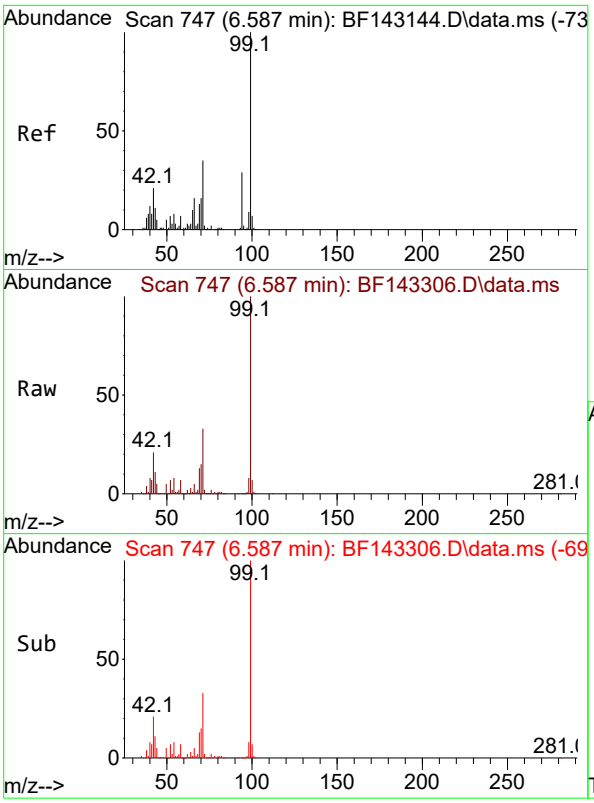


#5
2-Fluorophenol
Concen: 123.260 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Tgt Ion:112 Resp: 892339

Ion	Ratio	Lower	Upper
112	100		
64	65.8	53.1	79.7
63	32.4	26.6	40.0



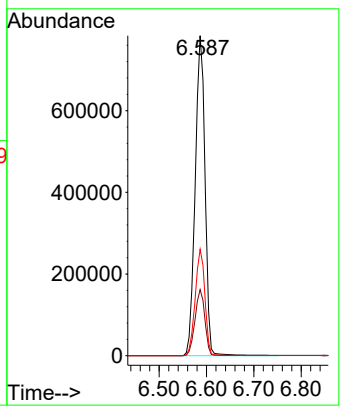


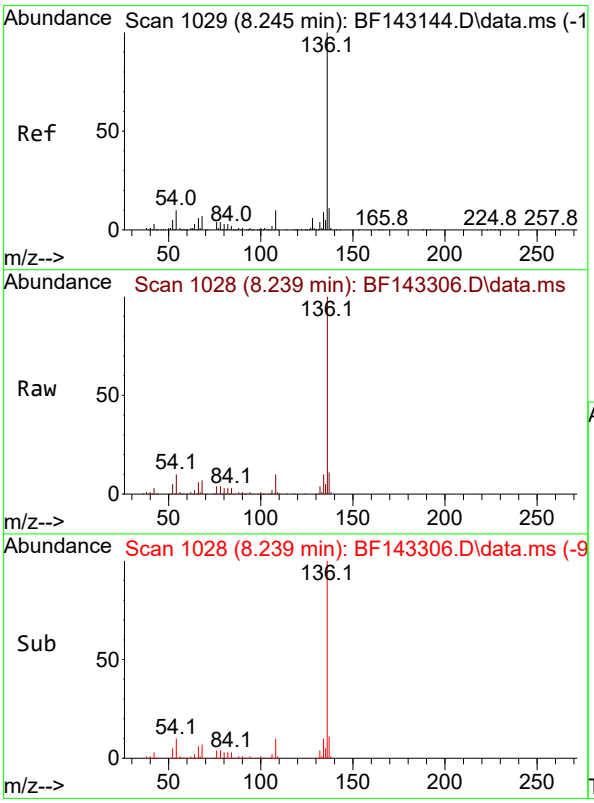
#7
Phenol-d6
Concen: 124.338 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Tgt Ion: 99 Resp: 1132998

Ion	Ratio	Lower	Upper
99	100		
42	20.7	17.0	25.6
71	33.3	27.7	41.5

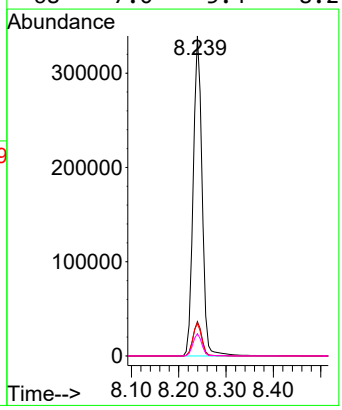


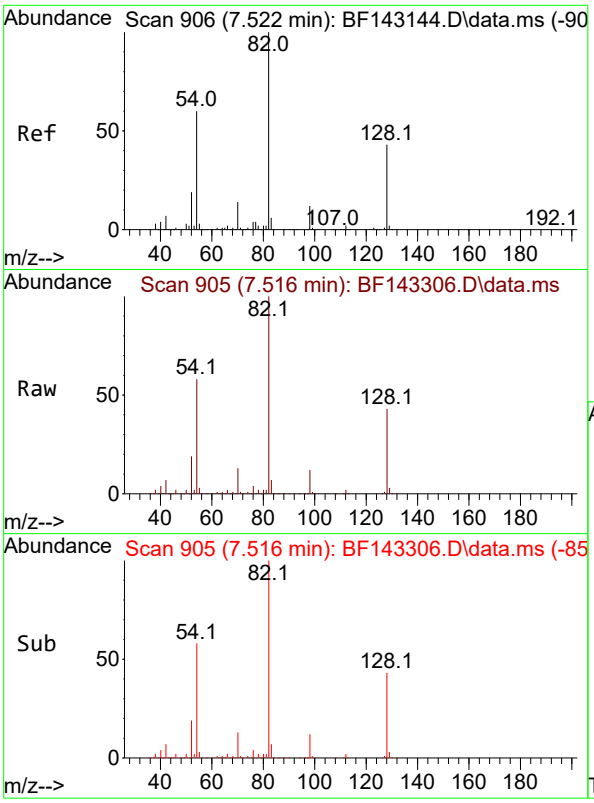


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Tgt Ion:136 Resp: 444658

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.2	8.2	12.2
68	7.0	5.4	8.2



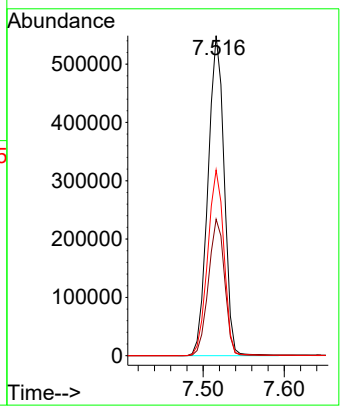


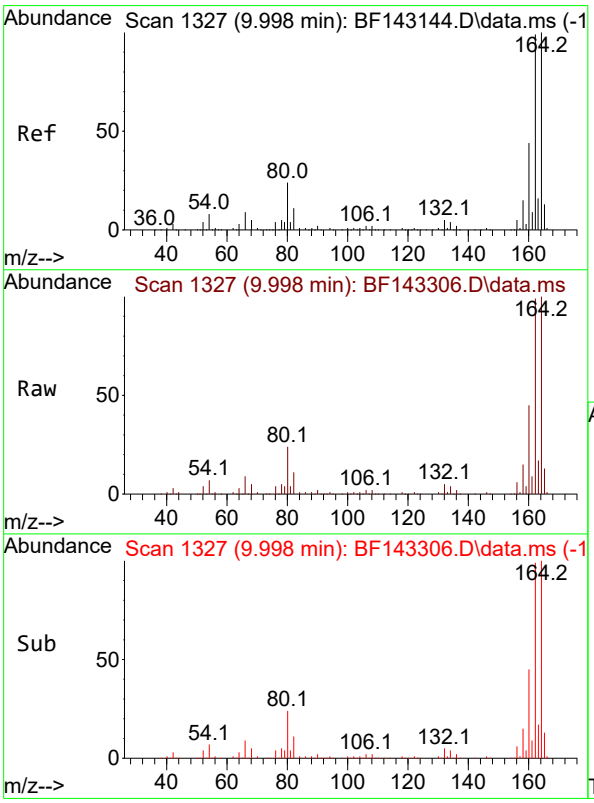
#23
Nitrobenzene-d5
Concen: 85.065 ng
RT: 7.516 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Tgt Ion: 82 Resp: 758819

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.6	50.4
54	58.0	47.1	70.7

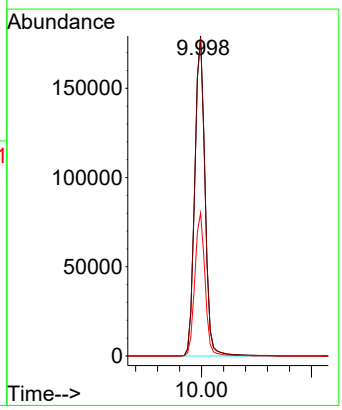


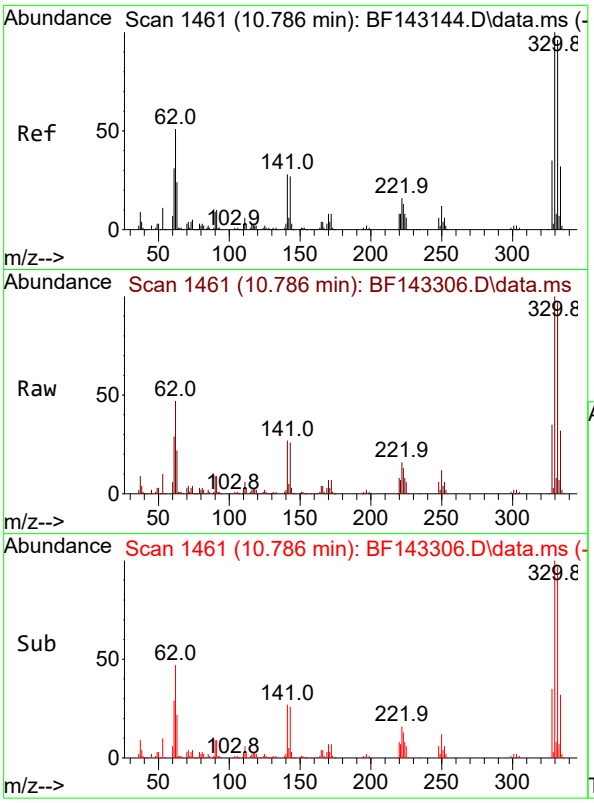


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Tgt Ion:164 Resp: 231807

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.0	118.6
160	44.7	35.1	52.7



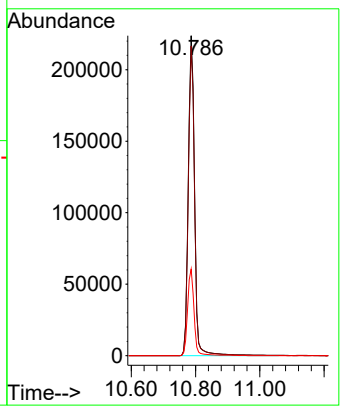


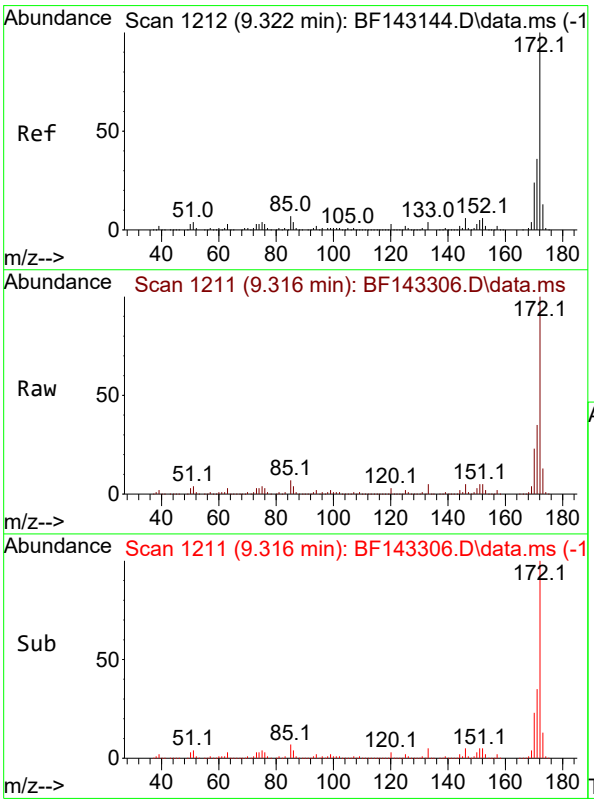
#42
2,4,6-Tribromophenol
Concen: 126.540 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Tgt Ion:330 Resp: 303025

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.7	115.1
141	27.8	23.3	34.9

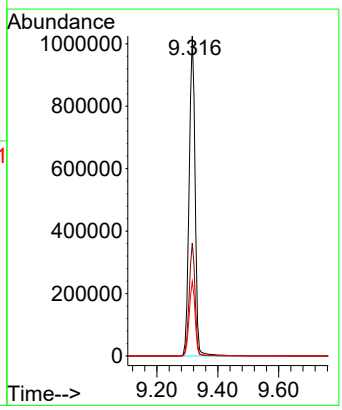


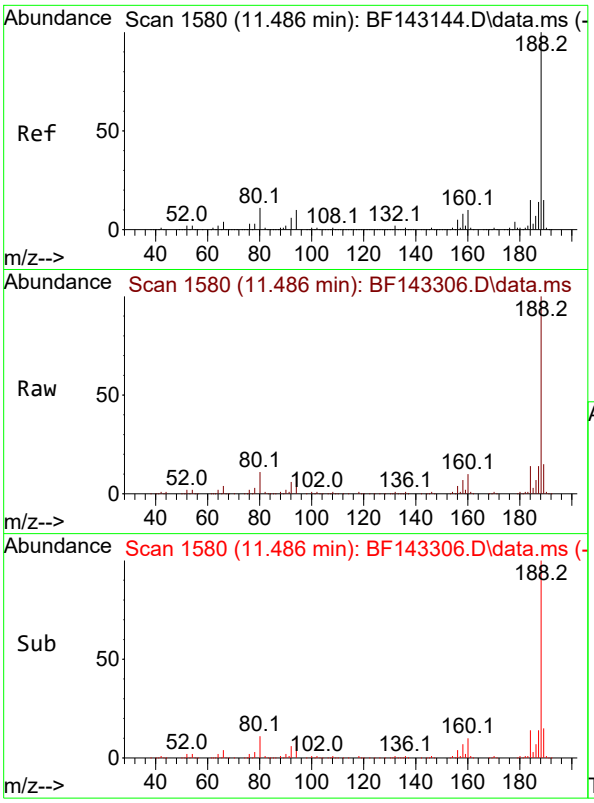


#45
2-Fluorobiphenyl
Concen: 82.131 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Tgt Ion:172 Resp: 1392098

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.3	18.8	28.2



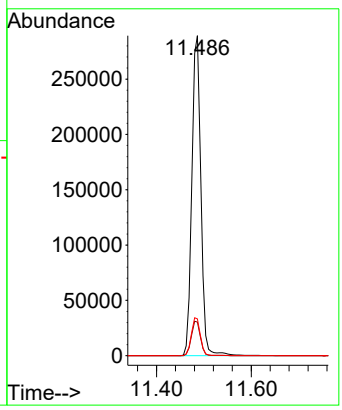


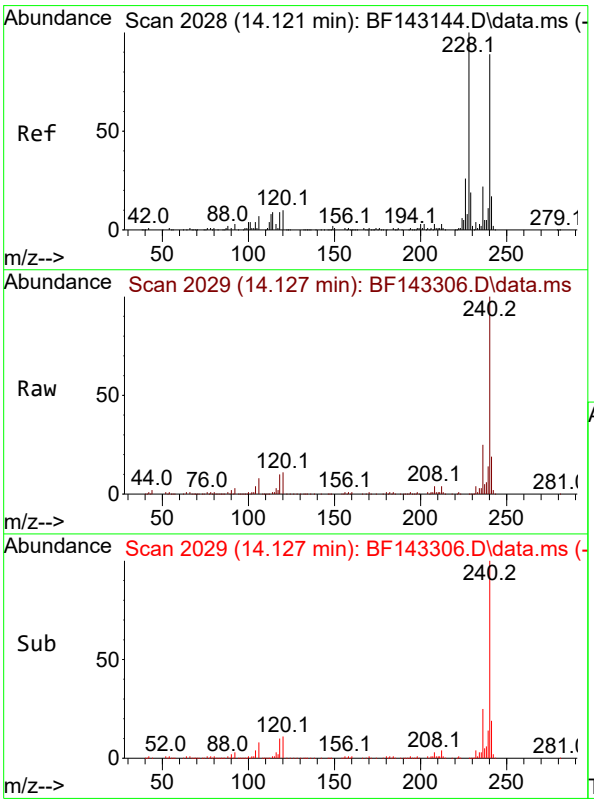
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Tgt Ion:188 Resp: 384624

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.5	9.0	13.6

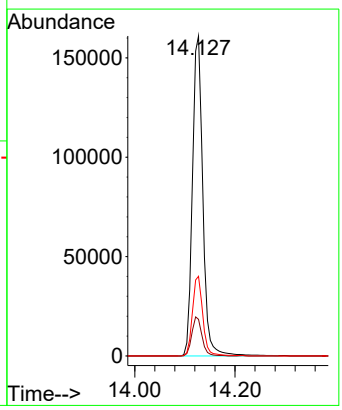


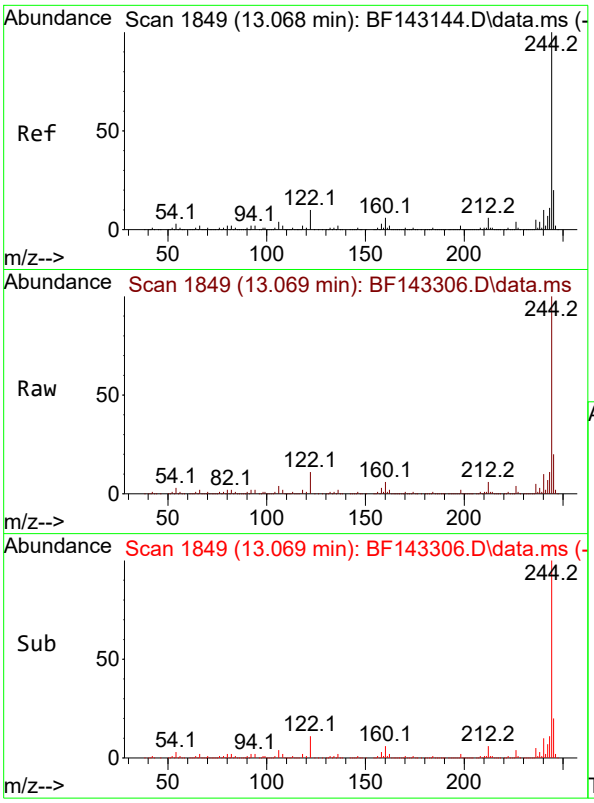


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Tgt Ion:240 Resp: 231168

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.4	14.2
236	24.9	20.2	30.4



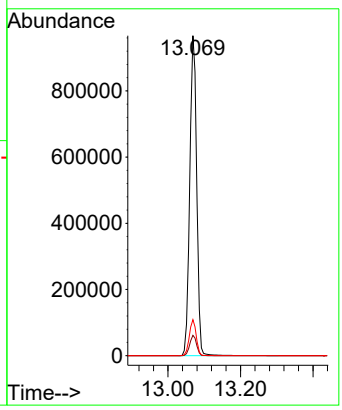


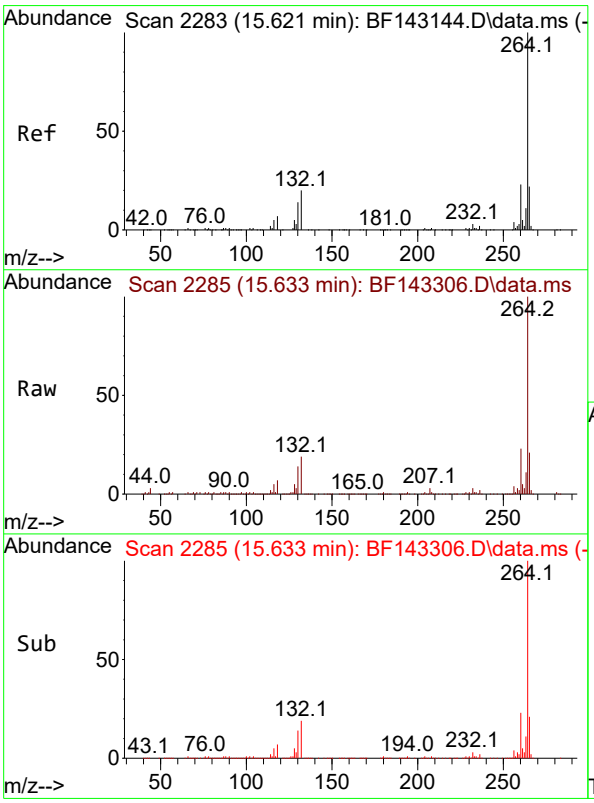
#79
Terphenyl-d14
Concen: 82.383 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Instrument :
BNA_F
ClientSampleId :
PB169095BL

Tgt Ion:244 Resp: 1279760

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.2	8.2	12.2

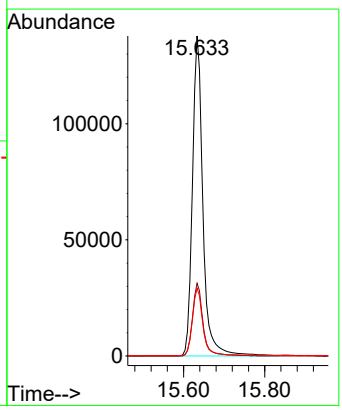




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143306.D
Acq: 05 Aug 2025 10:29

Tgt Ion:264 Resp: 249231

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.5	27.7
265	21.1	17.4	26.2



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143306.D
Acq On : 05 Aug 2025 10:29
Operator : RC/JU
Sample : PB169095BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169095BL

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: BF143306.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.352	18	27	37	rVB	42283	77541	1.97%	0.326%
2	5.210	506	513	526	rBV	246665	389234	9.89%	1.637%
3	5.598	573	579	585	rBV	2291745	3235344	82.20%	13.611%
4	6.587	740	747	752	rBV	2283548	3268387	83.04%	13.750%
5	6.963	805	811	816	rBV	542300	687976	17.48%	2.894%
6	7.516	898	905	910	rBV	1649522	2272855	57.75%	9.562%
7	8.239	1022	1028	1044	rBV	705883	918961	23.35%	3.866%
8	9.316	1204	1211	1216	rBV	2952221	3935904	100.00%	16.558%
9	9.998	1321	1327	1350	rBV	775851	1004816	25.53%	4.227%
10	10.786	1455	1461	1488	rBV	1594812	2188311	55.60%	9.206%
11	11.486	1574	1580	1587	rBV	726109	952322	24.20%	4.006%
12	13.069	1843	1849	1865	rBV	2567117	3380766	85.90%	14.222%
13	14.127	2023	2029	2038	rBV	433829	616516	15.66%	2.594%
14	14.216	2038	2044	2052	rVV	57955	96797	2.46%	0.407%
15	15.633	2279	2285	2313	rVB	374587	745089	18.93%	3.134%

Sum of corrected areas: 23770819

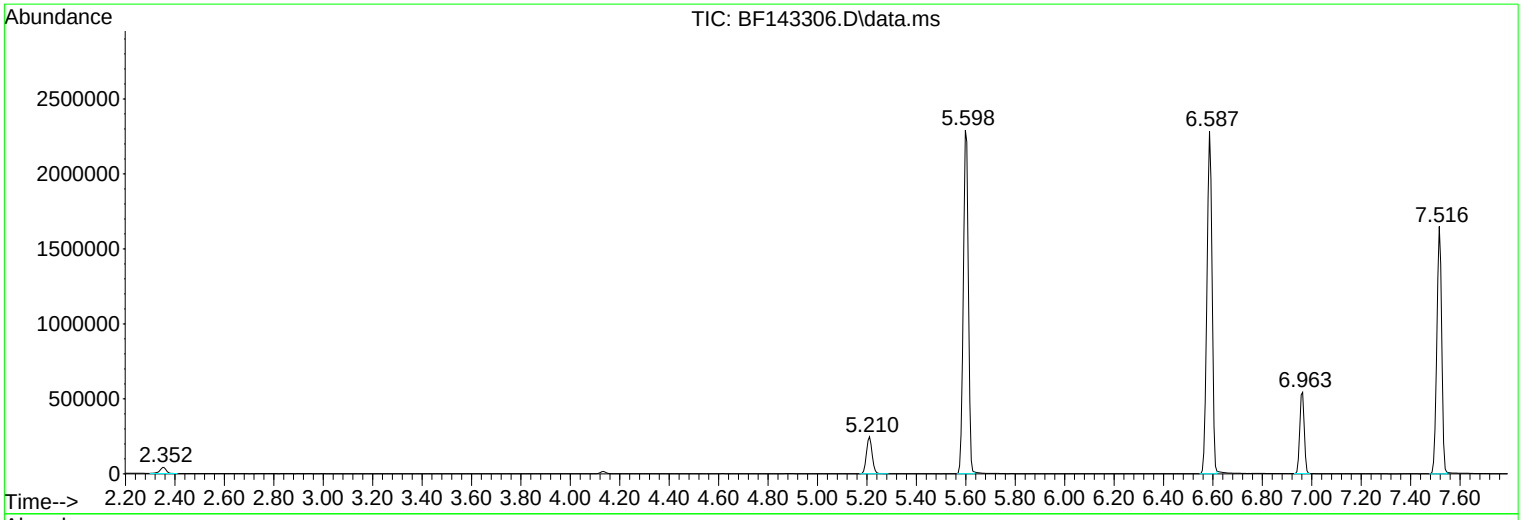
Sample Results: **BF143306.D**

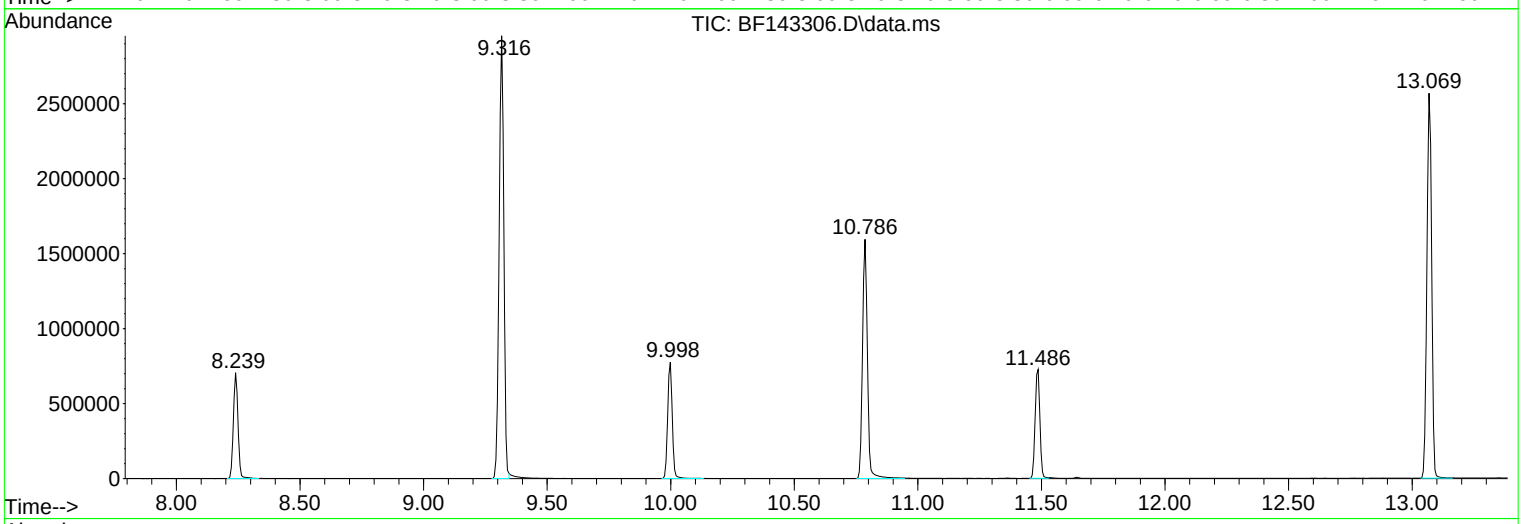
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143306.D
Acq On : 05 Aug 2025 10:29
Operator : RC/JU
Sample : PB169095BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

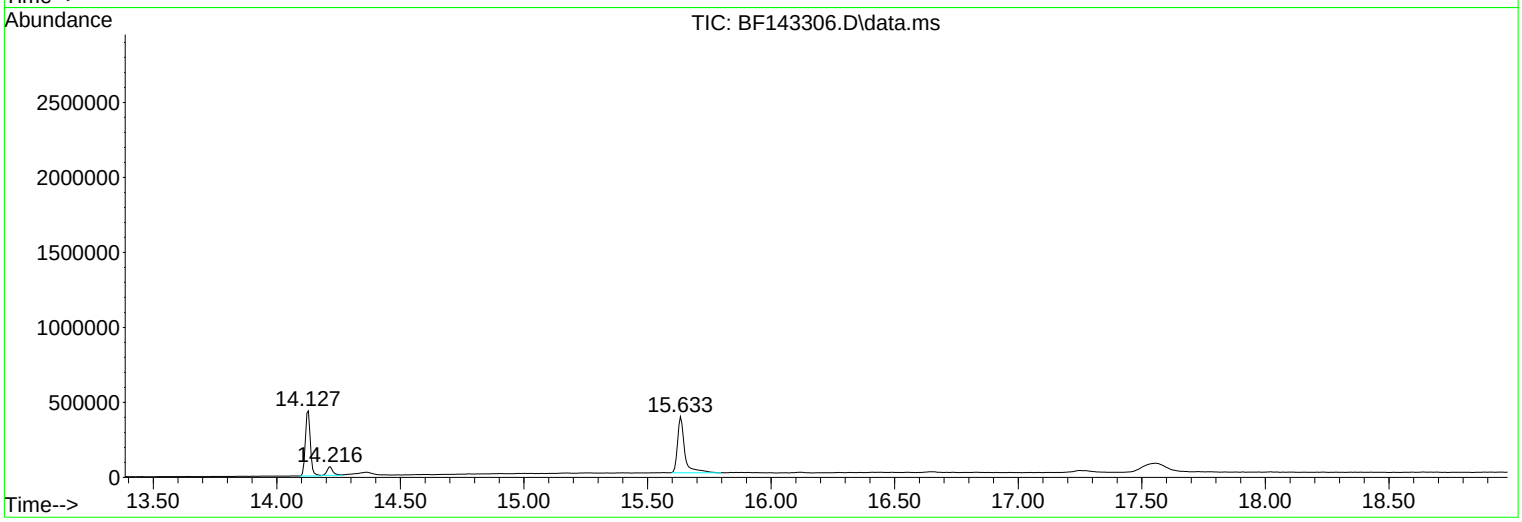
Instrument :
BNA_F
ClientSampleId :
PB169095BL

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\BF080525\
Data File : BF143306.D
Acq On    : 05 Aug 2025  10:29
Operator  : RC/JU
Sample    : PB169095BL
Misc      :
ALS Vial  : 3   Sample Multiplier: 1

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
```

Instrument :
BNA_F
ClientSampleId :
PB169095BL

****

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143306.D
Acq On : 05 Aug 2025 10:29
Operator : RC/JU
Sample : PB169095BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169095BL

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	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:	PB169095BS	SDG No.:	Q2747
Lab Sample ID:	PB169095BS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	100
Sample Wt/Vol:	30.03 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
BF143307.D	1	08/04/25 09:20	08/05/25 10:58	PB169095

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	1.50		0.036	0.13	0.17	mg/Kg
56-55-3	Benzo(a)anthracene	1.60		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	1.40		0.019	0.13	0.17	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.60		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	82.0		37 - 122		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	79.4		44 - 115		79%	SPK: 100
1718-51-0	Terphenyl-d14	80.3		54 - 127		80%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	119000	6.963				
1146-65-2	Naphthalene-d8	457000	8.245				
15067-26-2	Acenaphthene-d10	232000	9.998				
1517-22-2	Phenanthrene-d10	366000	11.486				
1719-03-5	Chrysene-d12	223000	14.127				
1520-96-3	Perylene-d12	254000	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:	PB169095BS			SDG No.:	Q2747
Lab Sample ID:	PB169095BS			Matrix:	SOIL
Analytical Method:	8270E			% Solid:	100
Sample Wt/Vol:	30.03	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
BF143307.D	1	08/04/25 09:20	08/05/25 10:58	PB169095

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\BF080525\
Data File : BF143307.D
Acq On : 05 Aug 2025 10:58
Operator : RC/JU
Sample : PB169095BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 11:26:09 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 :
PB169095BS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	118629	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	457337	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	232356	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	366236	20.000	ng		0.00
76) Chrysene-d12	14.127	240	223170	20.000	ng		0.00
86) Perylene-d12	15.633	264	254386	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	890640	118.808	ng		0.02
7) Phenol-d6	6.592	99	1127332	119.475	ng		0.00
23) Nitrobenzene-d5	7.522	82	752737	82.044	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	311231	129.660	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1349144	79.409	ng		0.00
79) Terphenyl-d14	13.069	244	1204878	80.342	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.893	88	133086	37.519	ng		100
3) Pyridine	3.646	79	357435	38.823	ng		97
4) n-Nitrosodimethylamine	3.593	42	208878	43.942	ng		97
6) Aniline	6.622	93	475405	36.151	ng		94
8) 2-Chlorophenol	6.751	128	354173	45.073	ng		97
9) Benzaldehyde	6.510	77	221233	31.268	ng		100
10) Phenol	6.604	94	466719	45.404	ng		95
11) bis(2-Chloroethyl)ether	6.692	93	354481	45.039	ng		100
12) 1,3-Dichlorobenzene	6.904	146	374570	43.881	ng		98
13) 1,4-Dichlorobenzene	6.981	146	373783	43.482	ng		99
14) 1,2-Dichlorobenzene	7.134	146	358774	43.881	ng		99
15) Benzyl Alcohol	7.098	79	318906	44.264	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	657171	45.012	ng		98
17) 2-Methylphenol	7.210	107	292413	44.258	ng		99
18) Hexachloroethane	7.475	117	134155	45.080	ng		97
19) n-Nitroso-di-n-propyla...	7.369	70	261896	43.263	ng		100
20) 3+4-Methylphenols	7.363	107	346128	43.179	ng	#	77
22) Acetophenone	7.363	105	473988	43.776	ng		94
24) Nitrobenzene	7.539	77	387205	45.267	ng		99
25) Isophorone	7.781	82	725302	44.781	ng		98
26) 2-Nitrophenol	7.857	139	189149	50.951	ng		98
27) 2,4-Dimethylphenol	7.892	122	330601	43.689	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	442833	45.602	ng		99
29) 2,4-Dichlorophenol	8.098	162	285450	44.730	ng		99
30) 1,2,4-Trichlorobenzene	8.181	180	307473	44.598	ng		100
31) Naphthalene	8.263	128	1001515	44.466	ng		100
32) Benzoic acid	8.004	122	175738	41.958	ng		98
33) 4-Chloroaniline	8.304	127	251708	27.369	ng		99
34) Hexachlorobutadiene	8.386	225	187108	44.427	ng		99
35) Caprolactam	8.675	113	94468m	48.987	ng		
36) 4-Chloro-3-methylphenol	8.786	107	313467	45.193	ng		100
37) 2-Methylnaphthalene	8.957	142	614719	44.851	ng		99
38) 1-Methylnaphthalene	9.057	142	634487	44.956	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	298949	44.564	ng		99
41) Hexachlorocyclopentadiene	9.116	237	357071	81.804	ng		99
43) 2,4,6-Trichlorophenol	9.233	196	196949	42.421	ng		100

Sample Results: **BF143307.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143307.D
Acq On : 05 Aug 2025 10:58
Operator : RC/JU
Sample : PB169095BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 11:26:09 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 :
PB169095BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	211805	45.607 ng		99
46) 1,1'-Biphenyl	9.422	154	811976	44.790 ng		99
47) 2-Chloronaphthalene	9.445	162	602995	44.954 ng		99
48) 2-Nitroaniline	9.533	65	203961	48.487 ng		100
49) Acenaphthylene	9.863	152	1016395	45.215 ng		100
50) Dimethylphthalate	9.716	163	693056	45.759 ng		100
51) 2,6-Dinitrotoluene	9.775	165	155053	50.325 ng		98
52) Acenaphthene	10.033	154	658002	49.525 ng		99
53) 3-Nitroaniline	9.945	138	122794	34.073 ng		96
54) 2,4-Dinitrophenol	10.051	184	148070	103.867 ng	#	1
55) Dibenzofuran	10.204	168	871941	44.203 ng		100
56) 4-Nitrophenol	10.104	139	226718	84.247 ng		96
57) 2,4-Dinitrotoluene	10.180	165	200962	51.988 ng		96
58) Fluorene	10.551	166	660530	44.616 ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	174330	45.315 ng		98
60) Diethylphthalate	10.416	149	688882	46.018 ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	336708	45.675 ng		98
62) 4-Nitroaniline	10.557	138	145725	47.181 ng		98
63) Azobenzene	10.698	77	709639	45.484 ng		100
65) 4,6-Dinitro-2-methylph...	10.592	198	99435	51.364 ng		99
66) n-Nitrosodiphenylamine	10.657	169	588520	45.635 ng		99
67) 4-Bromophenyl-phenylether	11.027	248	204566	46.870 ng		99
68) Hexachlorobenzene	11.104	284	208607	45.728 ng		98
69) Atrazine	11.180	200	178303	50.150 ng		99
70) Pentachlorophenol	11.292	266	224940	83.847 ng		99
71) Phenanthrene	11.516	178	881990	45.356 ng		100
72) Anthracene	11.563	178	897867	45.272 ng		100
73) Carbazole	11.716	167	794899	45.901 ng		100
74) Di-n-butylphthalate	12.045	149	985524	50.294 ng		100
75) Fluoranthene	12.704	202	850431	47.646 ng		100
77) Benzidine	12.816	184	343105	39.905 ng		98
78) Pyrene	12.933	202	844315	44.329 ng		100
80) Butylbenzylphthalate	13.539	149	330575	56.680 ng		99
81) Benzo(a)anthracene	14.116	228	700613	46.891 ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	169971	34.132 ng		99
83) Chrysene	14.157	228	601537	44.779 ng		99
84) Bis(2-ethylhexyl)phtha...	14.098	149	455949	51.650 ng		98
85) Di-n-octyl phthalate	14.715	149	764520	47.779 ng	#	100
87) Indeno(1,2,3-cd)pyrene	17.186	276	823824	45.927 ng		98
88) Benzo(b)fluoranthene	15.192	252	666144	42.865 ng		99
89) Benzo(k)fluoranthene	15.221	252	670019	48.315 ng		99
90) Benzo(a)pyrene	15.574	252	663370	46.330 ng		99
91) Dibenzo(a,h)anthracene	17.204	278	670907	45.952 ng		100
92) Benzo(g,h,i)perylene	17.651	276	666185	47.170 ng		98

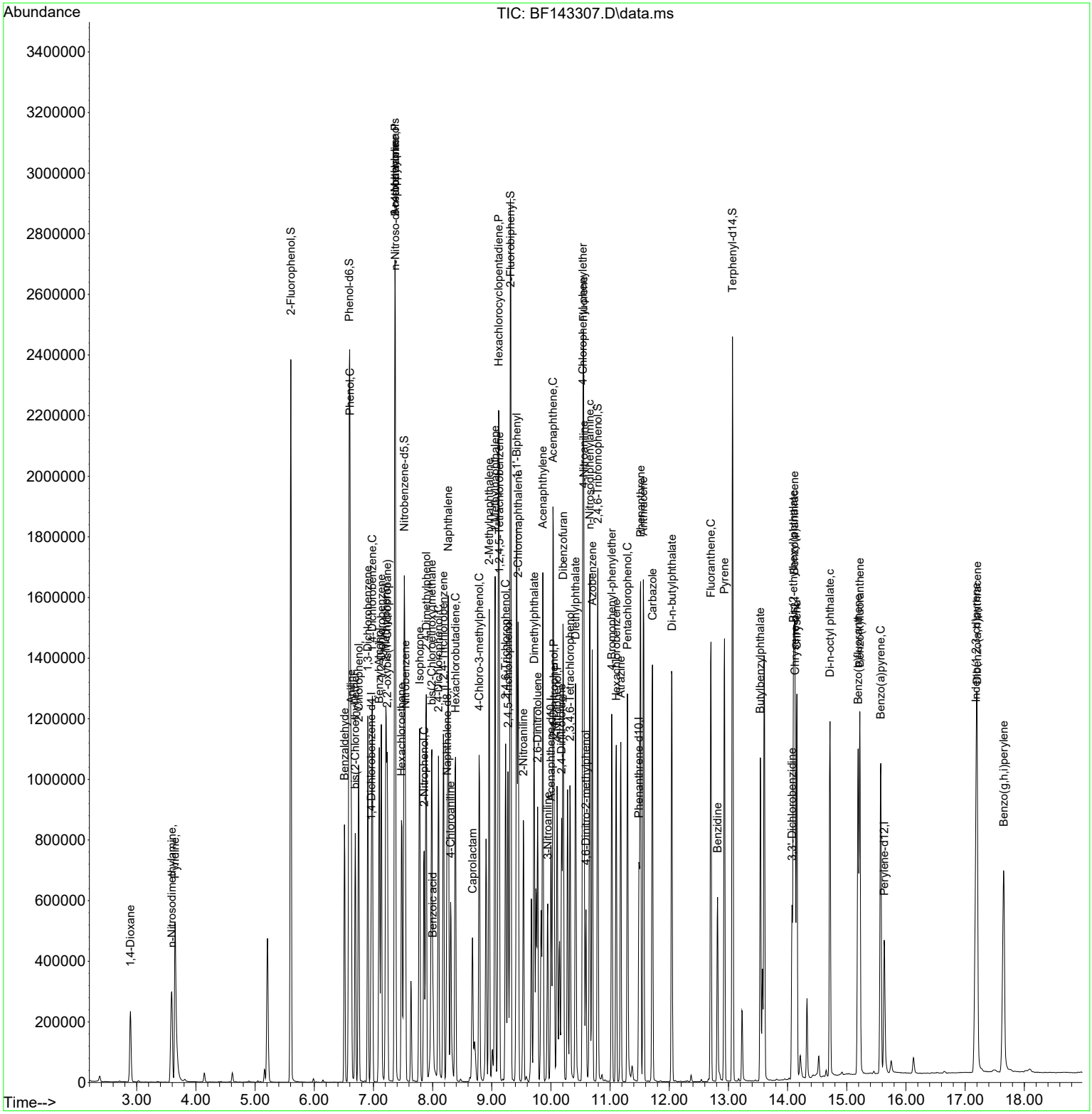
(#) = qualifier out of range (m) = manual integration (+) = signals summed

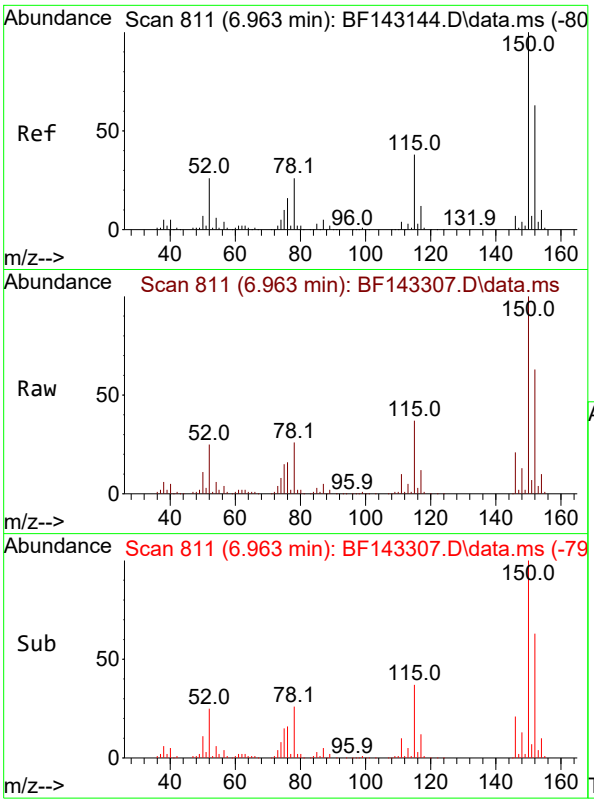
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143307.D
Acq On : 05 Aug 2025 10:58
Operator : RC/JU
Sample : PB169095BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 05 11:26:09 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 :
PB169095BS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

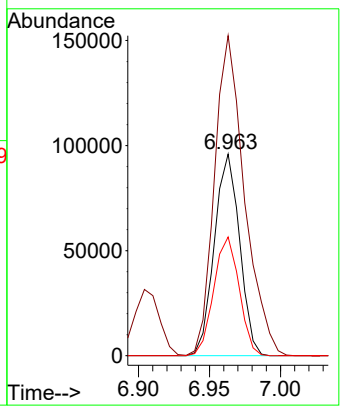
Tgt Ion:152 Resp: 11862

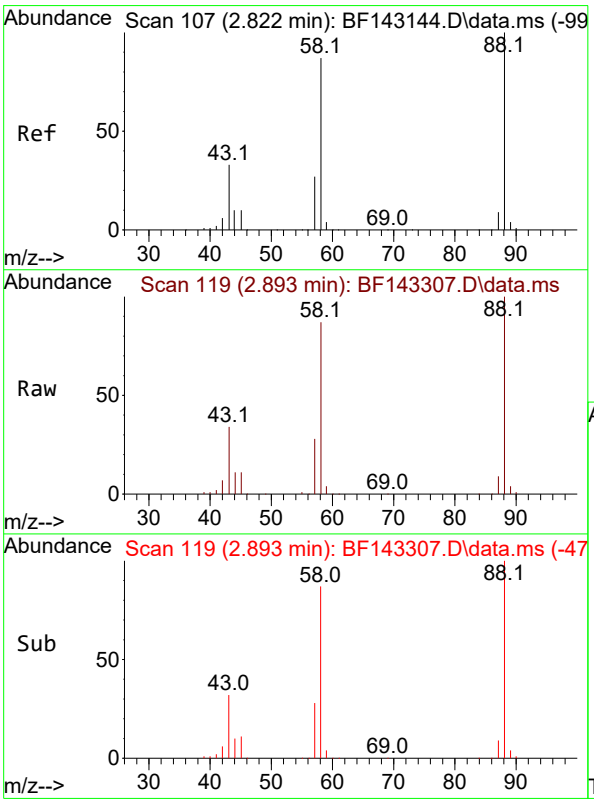
Ion	Ratio	Lower	Upper
152	100		
150	158.8	128.2	192.4
115	58.9	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

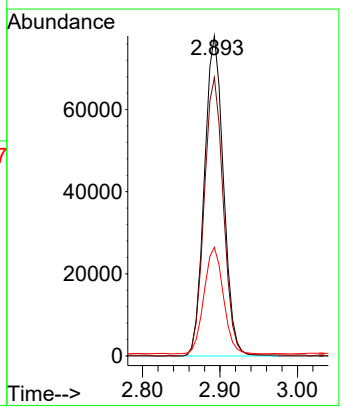


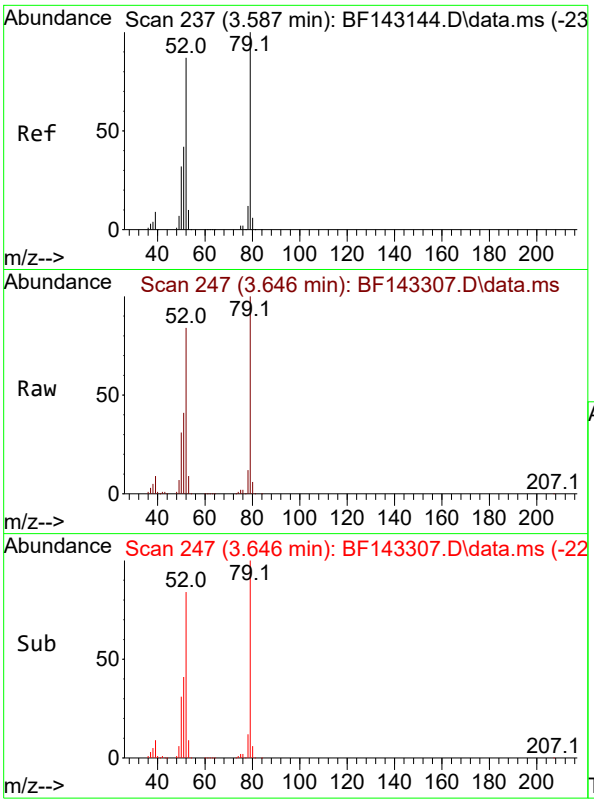


#2
1,4-Dioxane
Concen: 37.519 ng
RT: 2.893 min Scan# 119
Delta R.T. 0.071 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 88 Resp: 133086

Ion	Ratio	Lower	Upper
88	100		
58	88.0	70.2	105.2
43	33.7	27.1	40.7





#3
Pyridine
Concen: 38.823 ng
RT: 3.646 min Scan# 2
Delta R.T. 0.059 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

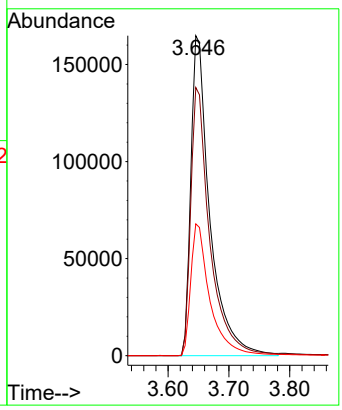
Tgt Ion: 79 Resp: 35743

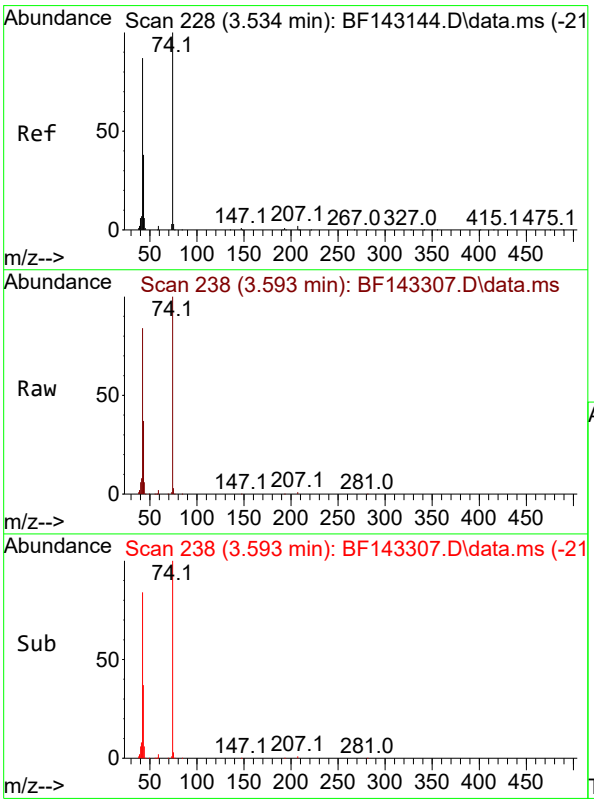
Ion	Ratio	Lower	Upper
79	100		
52	83.8	69.4	104.2
51	41.2	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

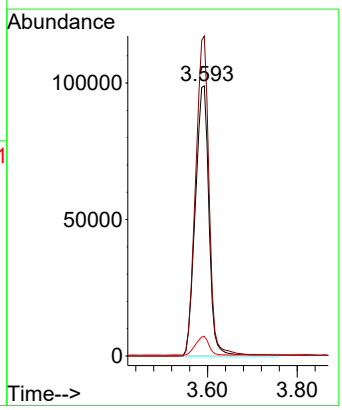


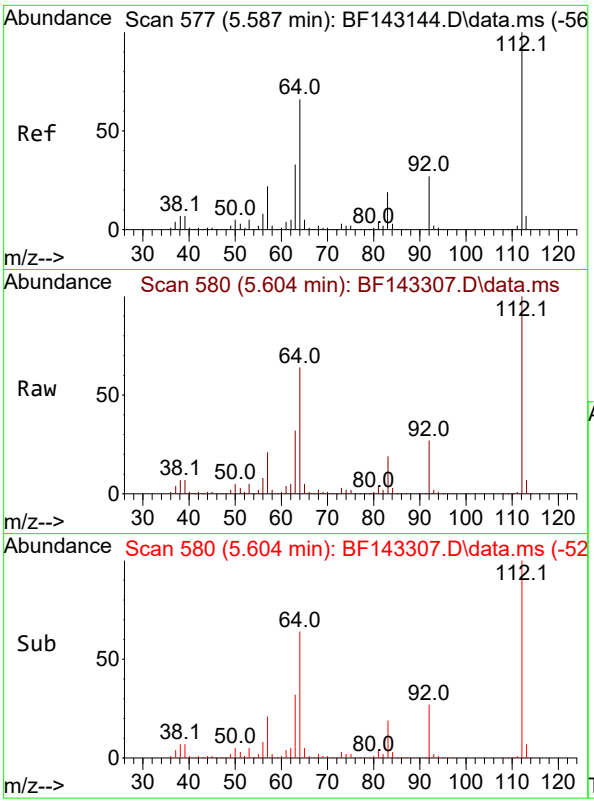


#4
n-Nitrosodimethylamine
Concen: 43.942 ng
RT: 3.593 min Scan# 238
Delta R.T. 0.059 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 42 Resp: 208878

Ion	Ratio	Lower	Upper
42	100		
74	118.5	91.7	137.5
44	7.2	5.6	8.4





#5
2-Fluorophenol
Concen: 118.808 ng
RT: 5.604 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

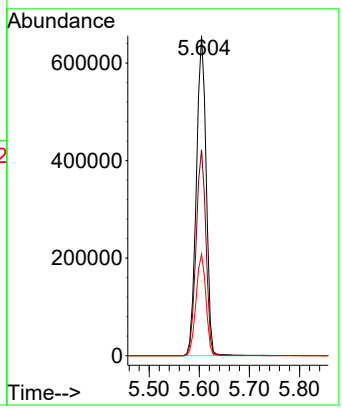
Tgt Ion:112 Resp: 89064

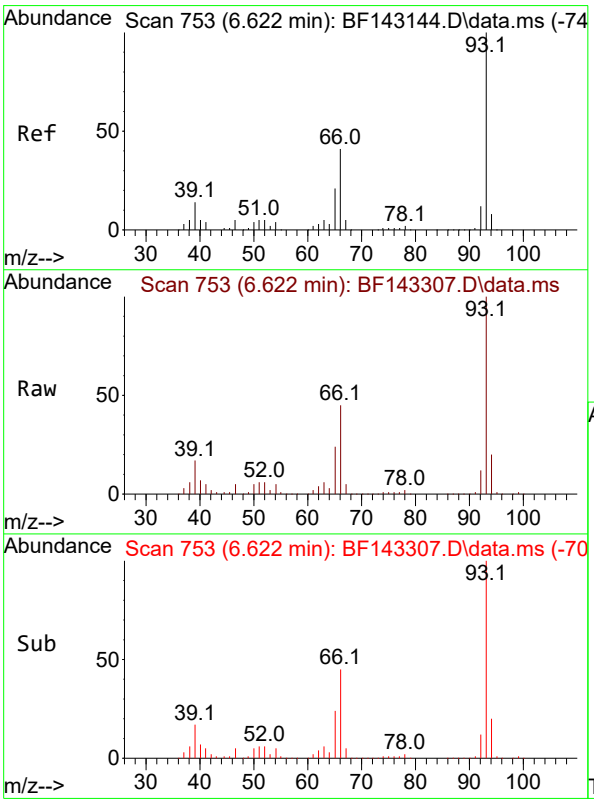
Ion	Ratio	Lower	Upper
112	100		
64	64.3	53.1	79.7
63	31.8	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

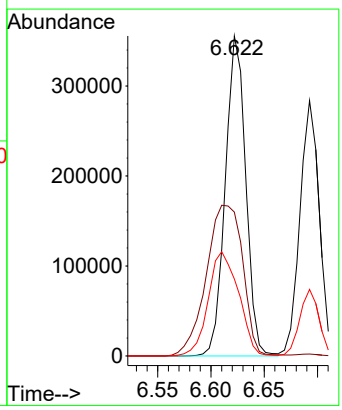


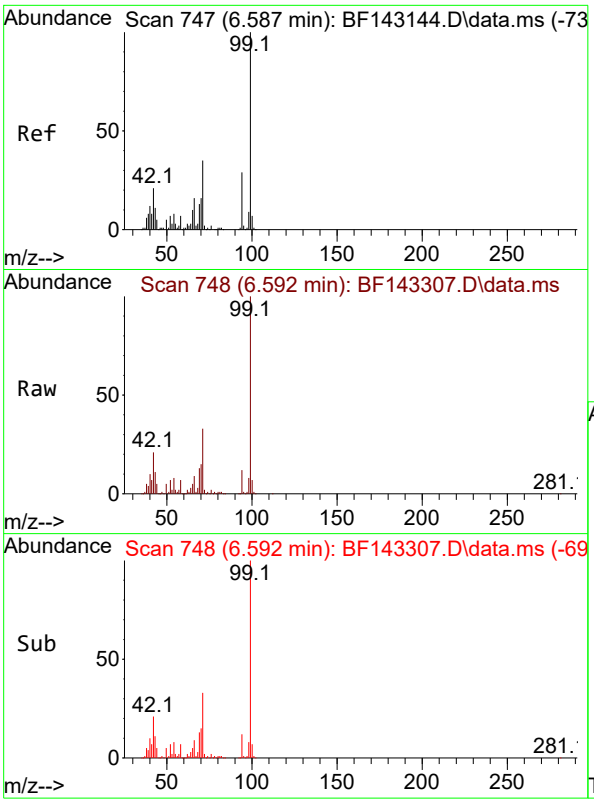


#6
Aniline
Concen: 36.151 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 93 Resp: 475405

Ion	Ratio	Lower	Upper
93	100		
66	45.0	33.2	49.8
65	24.1	16.9	25.3





#7
Phenol-d6
Concen: 119.475 ng
RT: 6.592 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

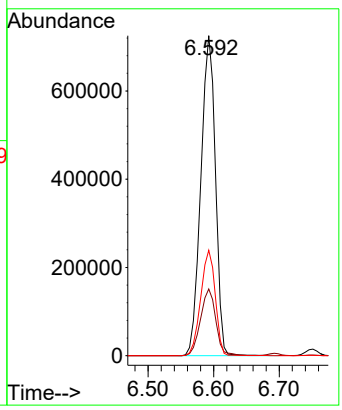
Tgt Ion: 99 Resp: 112733

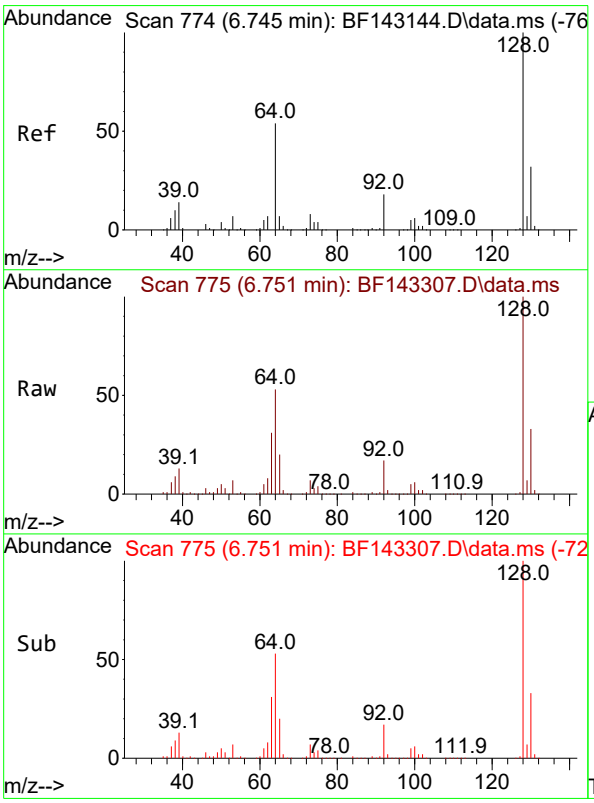
Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	32.9	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

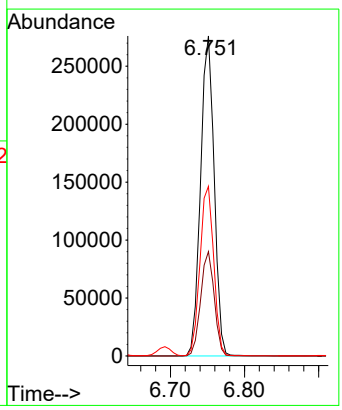


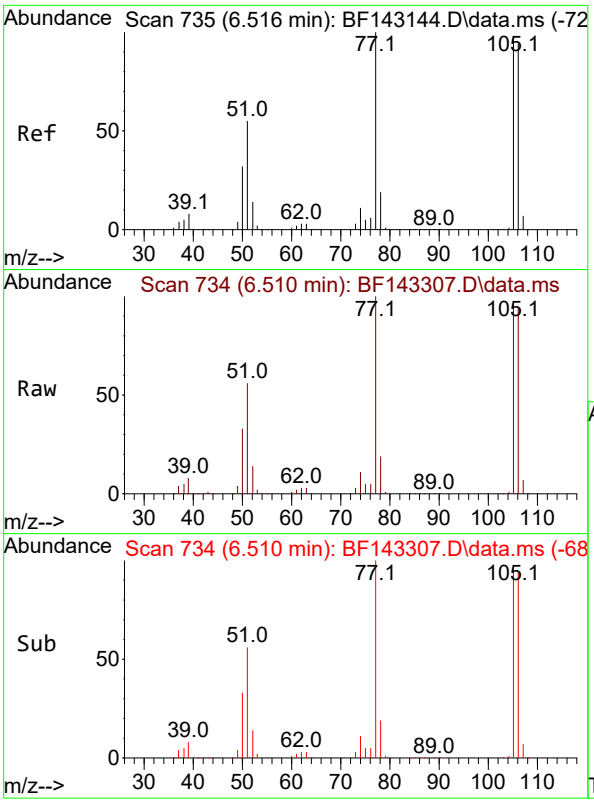


#8
2-Chlorophenol
Concen: 45.073 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:128 Resp: 354173

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	53.0	35.9	75.9





#9
Benzaldehyde
Concen: 31.268 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

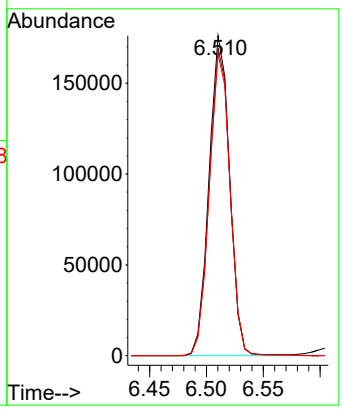
Tgt Ion: 77 Resp: 22123

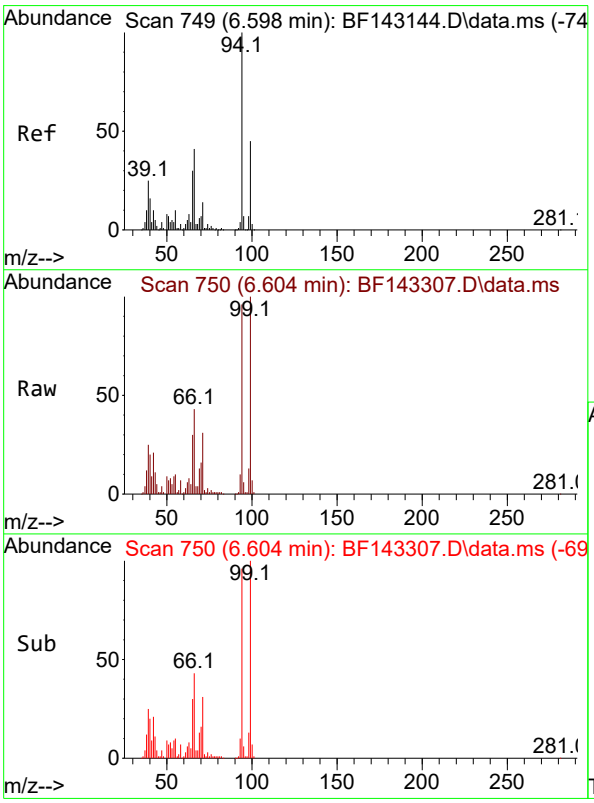
Ion	Ratio	Lower	Upper
77	100		
105	96.0	76.8	116.8
106	94.3	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

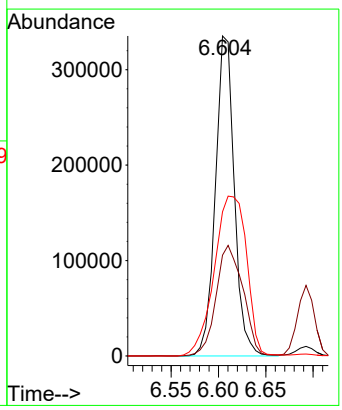


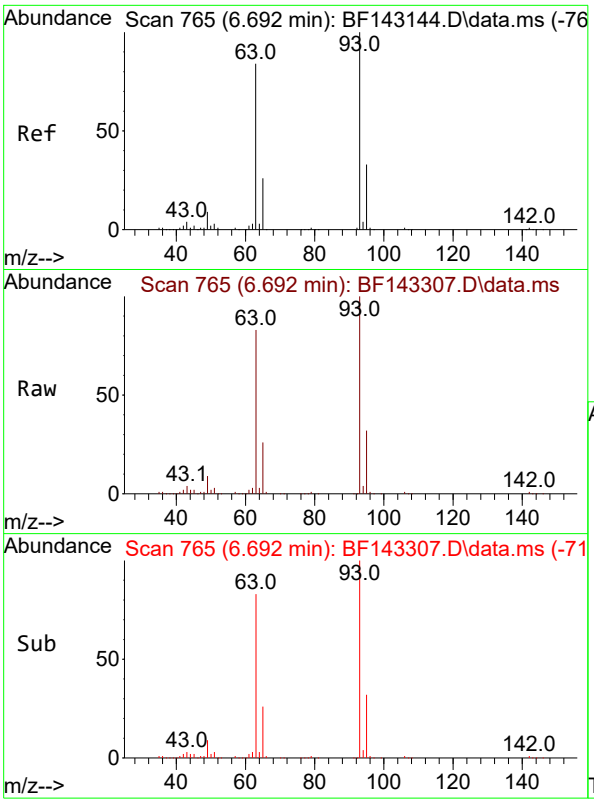


#10
Phenol
Concen: 45.404 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 94 Resp: 466719

Ion	Ratio	Lower	Upper
94	100		
65	31.5	10.0	50.0
66	45.1	20.8	60.8





#11
bis(2-Chloroethyl)ether
Concen: 45.039 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

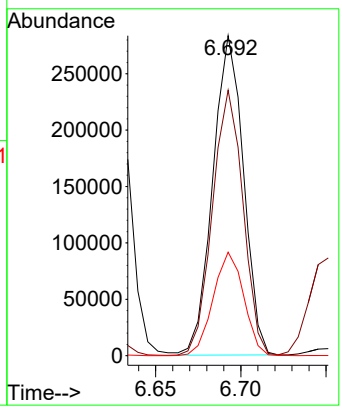
Tgt Ion: 93 Resp: 35448

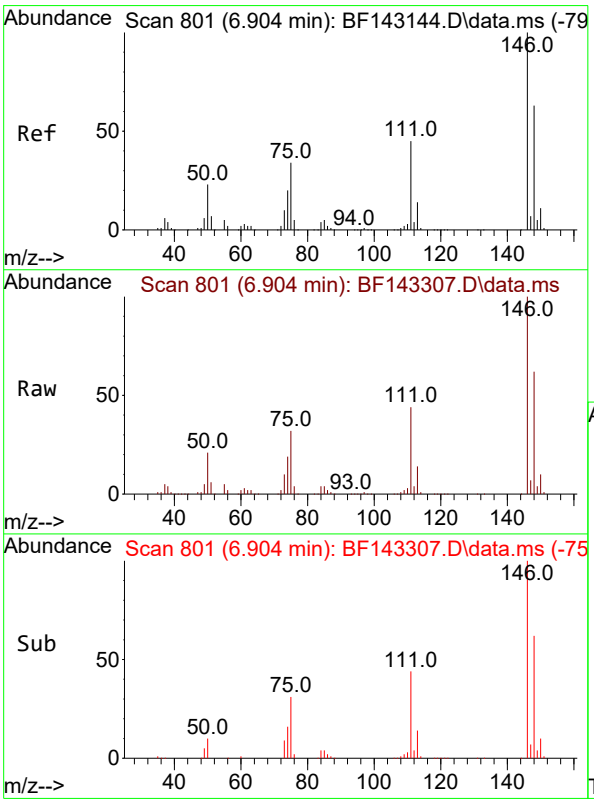
Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.4	103.4
95	32.3	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

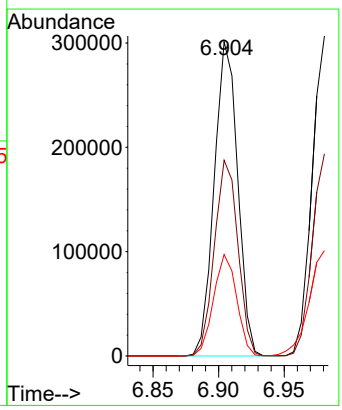


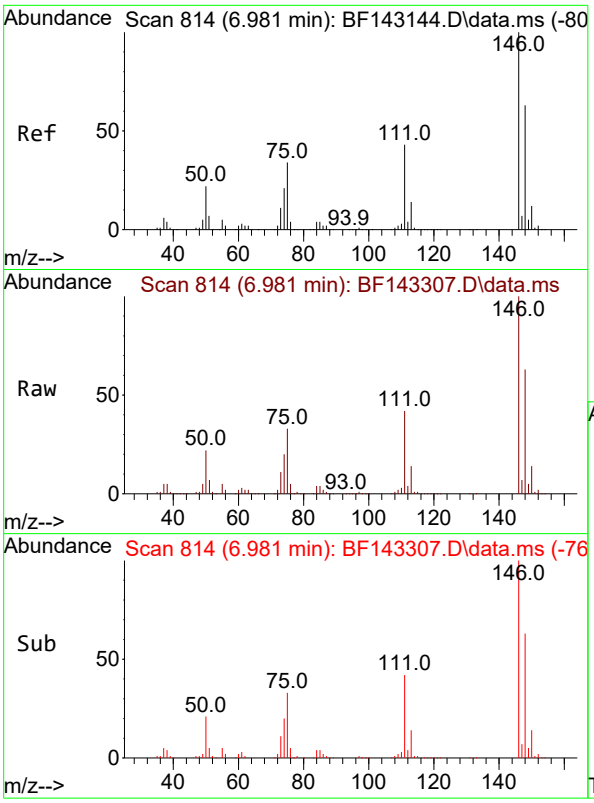


#12
1,3-Dichlorobenzene
Concen: 43.881 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:146 Resp: 374570

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.6	76.0
75	32.3	27.4	41.2





#13
1,4-Dichlorobenzene
Concen: 43.482 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

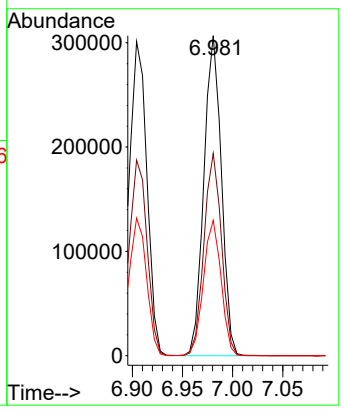
Tgt Ion:146 Resp: 37378

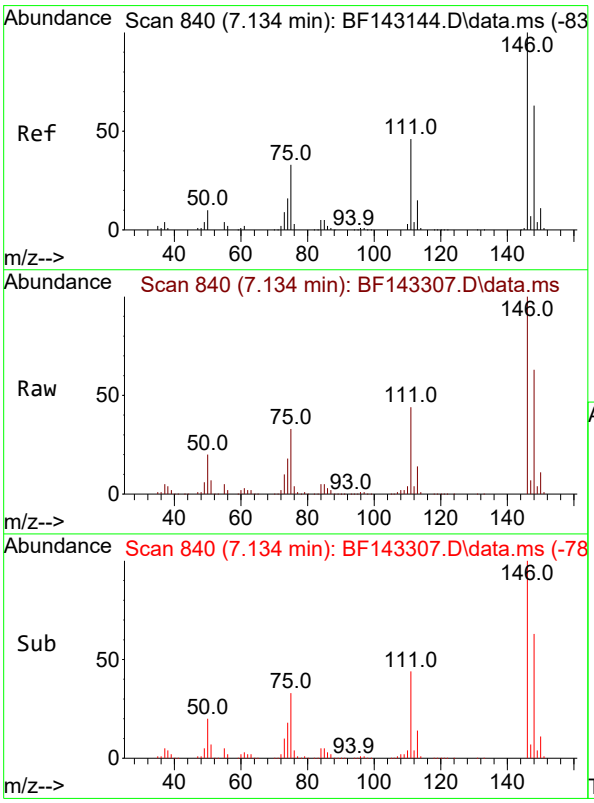
Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.3	75.5
111	42.3	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

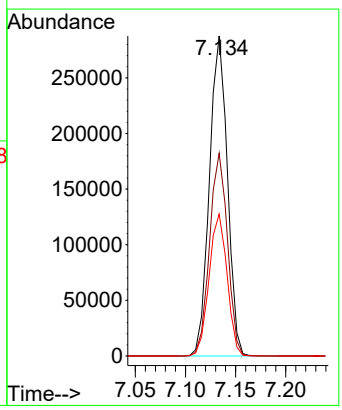


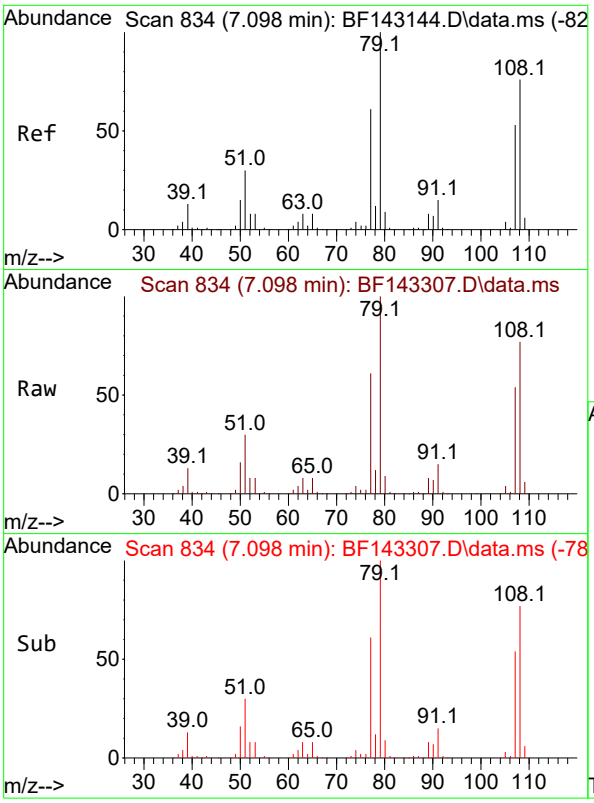


#14
1,2-Dichlorobenzene
Concen: 43.881 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:146 Resp: 358774

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.7	76.1
111	44.4	36.6	54.8





#15
Benzyl Alcohol
Concen: 44.264 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

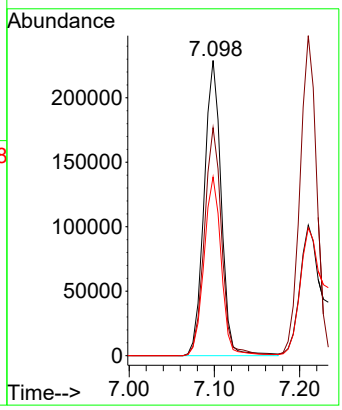
Tgt Ion: 79 Resp: 31890

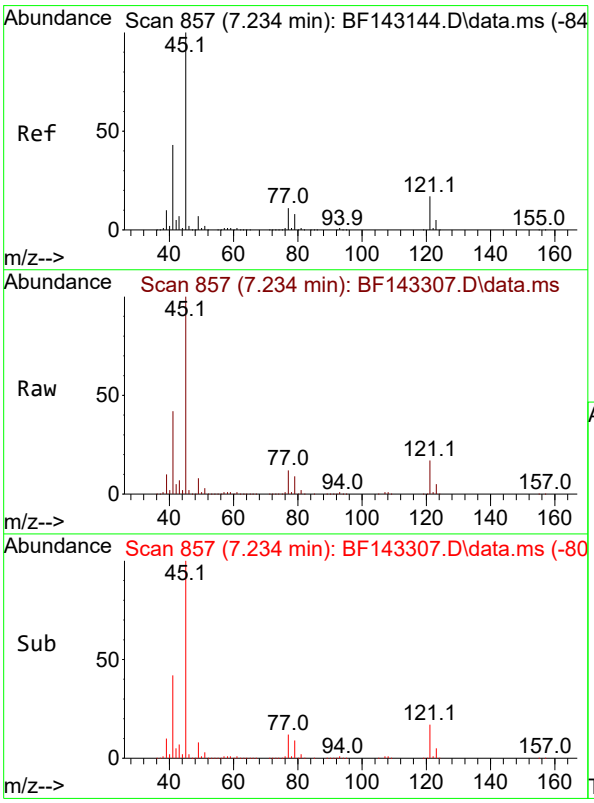
Ion	Ratio	Lower	Upper
79	100		
108	77.2	61.1	91.7
77	60.5	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

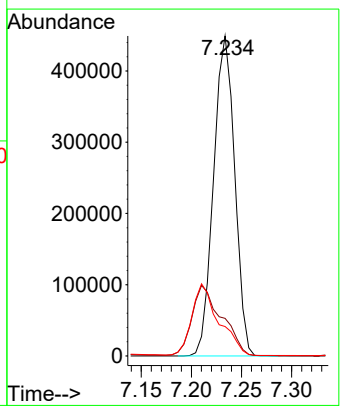


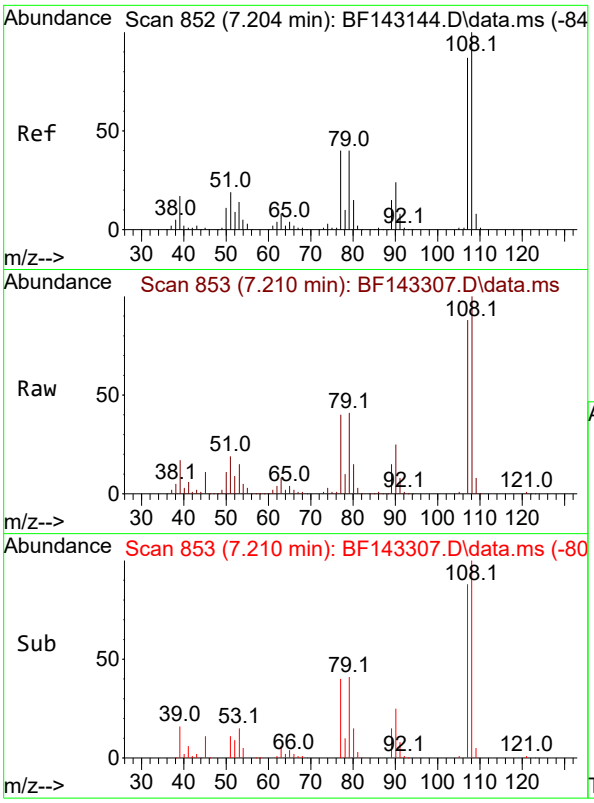


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.012 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 45 Resp: 657171

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.2
79	9.2	0.0	28.5





#17
2-Methylphenol
Concen: 44.258 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

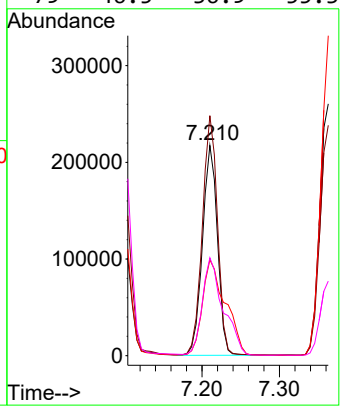
Tgt Ion:107 Resp: 29241

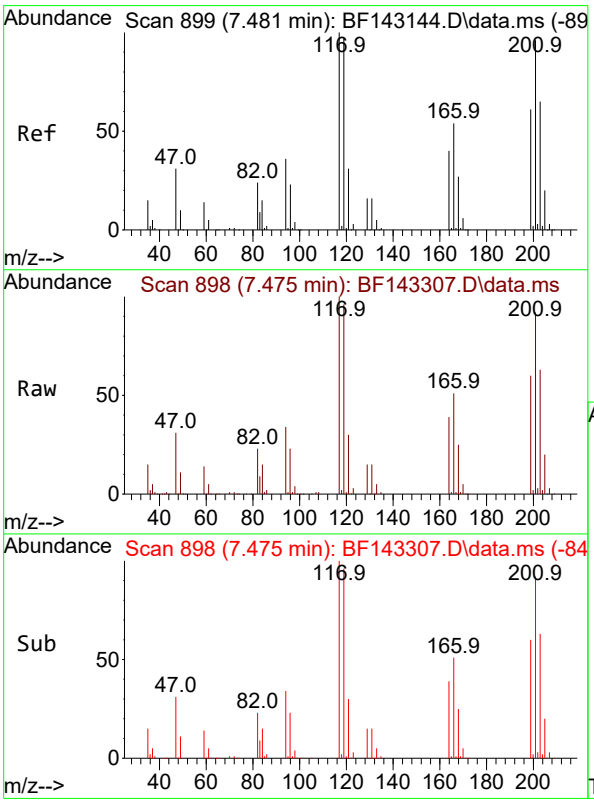
Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.8	137.6
77	45.6	37.0	55.6
79	46.5	36.9	55.3

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

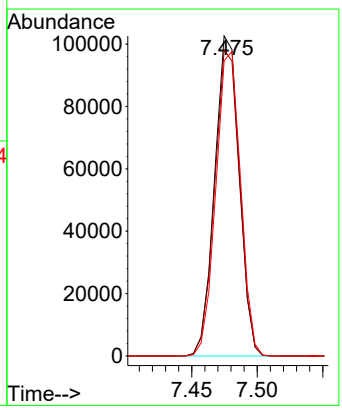


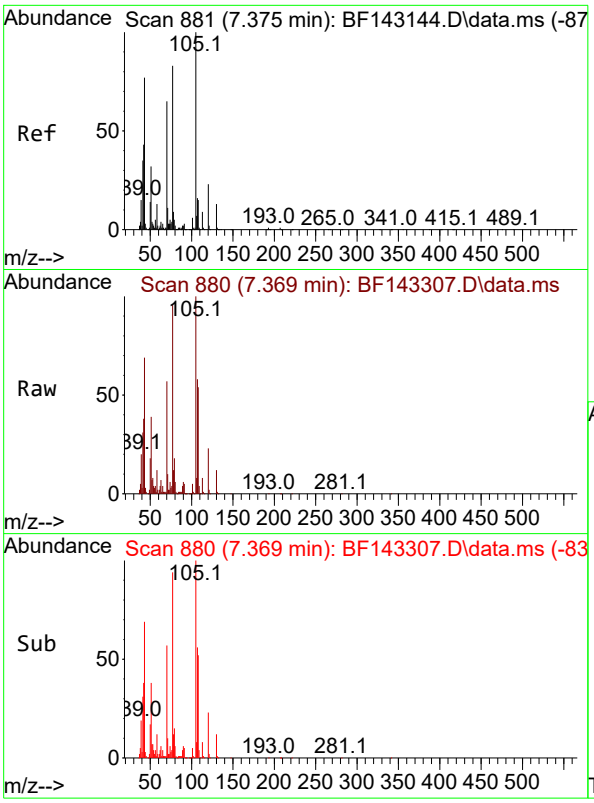


#18
Hexachloroethane
Concen: 45.080 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:117 Resp: 134155

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.8
201	92.3	77.0	115.4

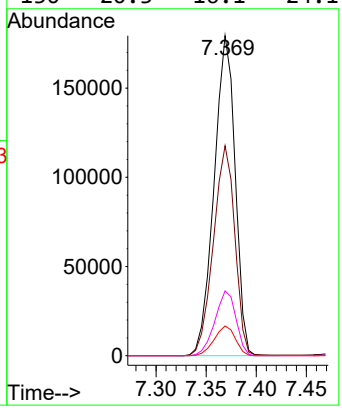




#19
n-Nitroso-di-n-propylamine
Concen: 43.263 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 70 Resp: 26189

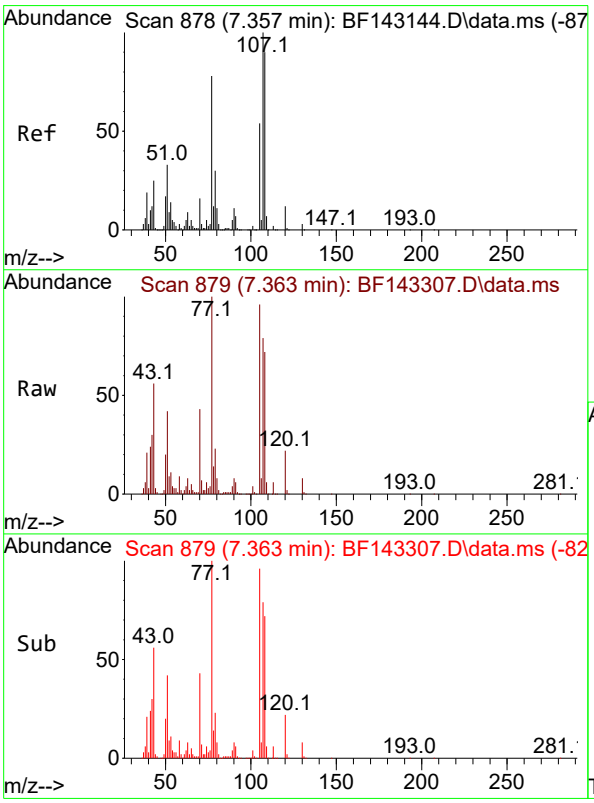
Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.3	7.6	11.4
130	20.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

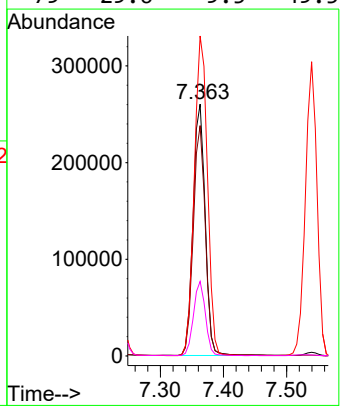
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

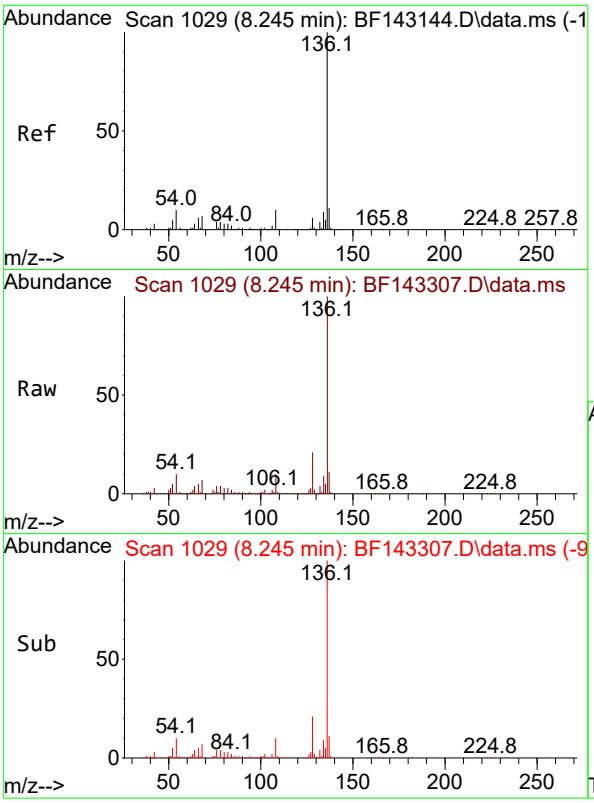


#20
3+4-Methylphenols
Concen: 43.179 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:107 Resp: 346128

Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.0	110.0
77	127.0	57.8	97.8#
79	29.6	9.5	49.5

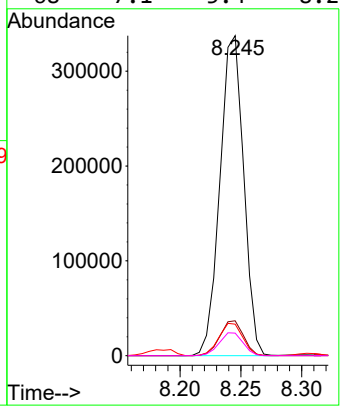




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:136 Resp: 45733

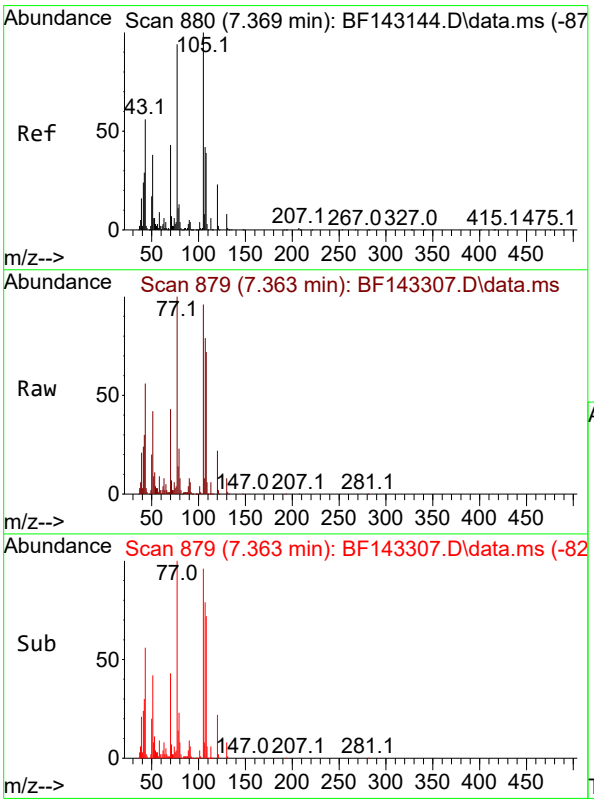
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.8	8.2	12.2
68	7.1	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

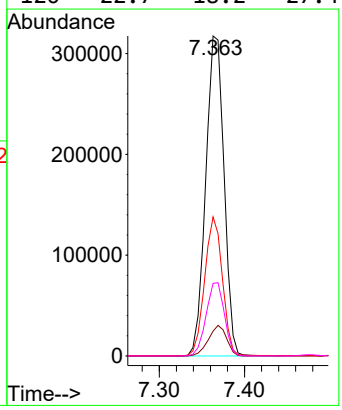
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

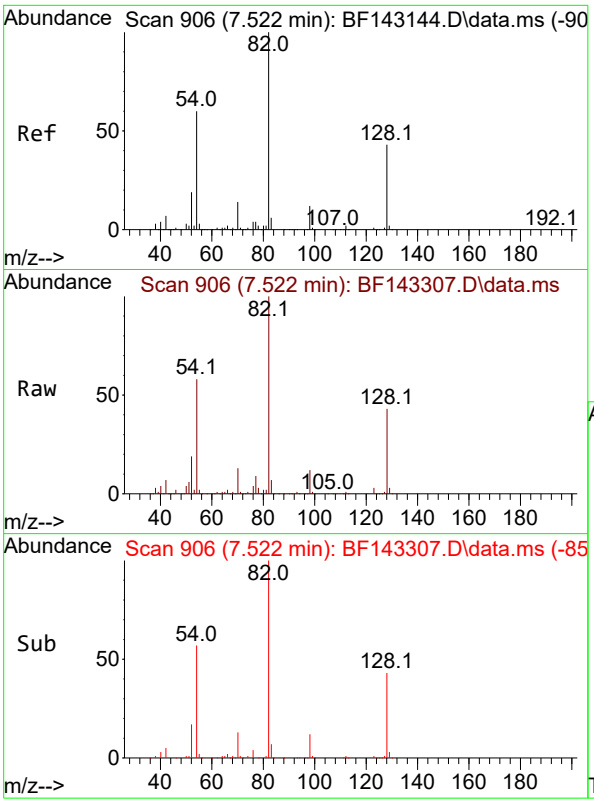


#22
Acetophenone
Concen: 43.776 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:105 Resp: 473988

Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.8	8.6
51	43.5	30.2	45.2
120	22.7	18.2	27.4





#23
Nitrobenzene-d5
Concen: 82.044 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

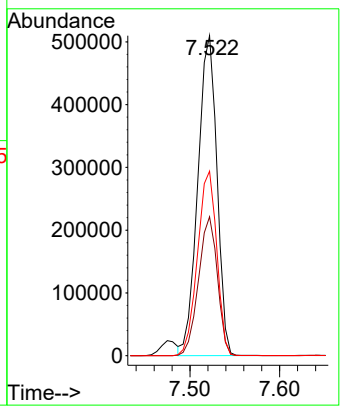
Tgt Ion: 82 Resp: 75273

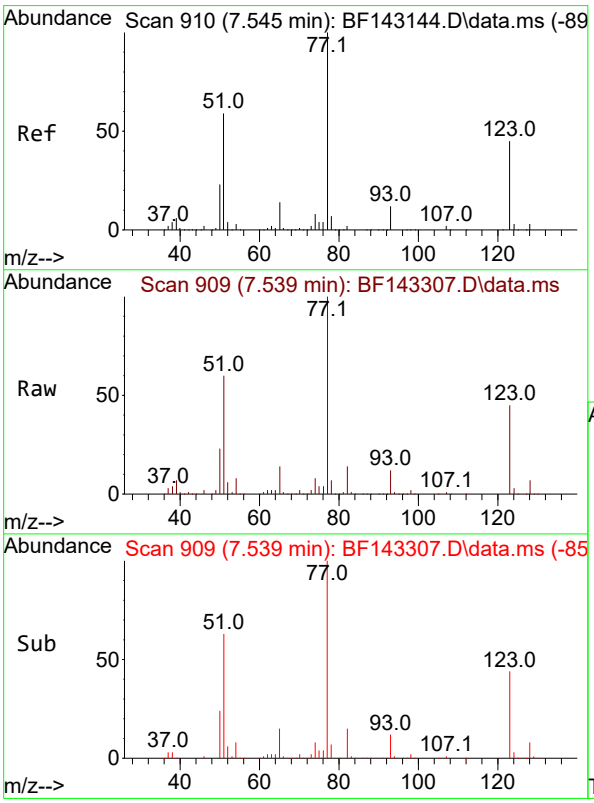
Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	57.6	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

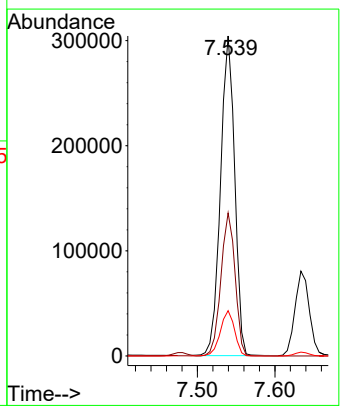


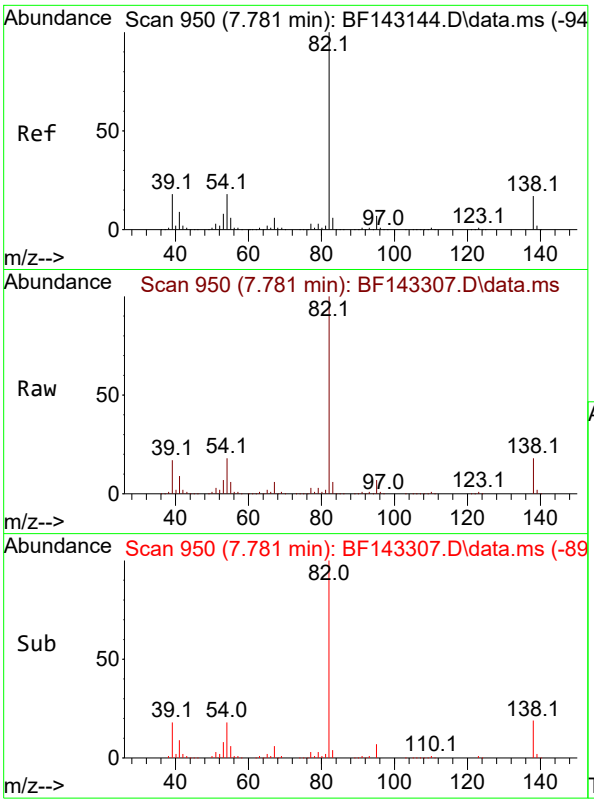


#24
Nitrobenzene
Concen: 45.267 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 77 Resp: 387205

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.1	54.1
65	14.2	11.4	17.2





#25
Isophorone
Concen: 44.781 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

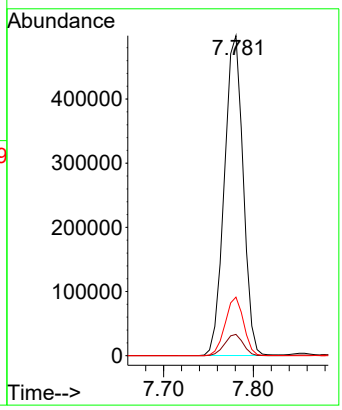
Tgt Ion: 82 Resp: 72530

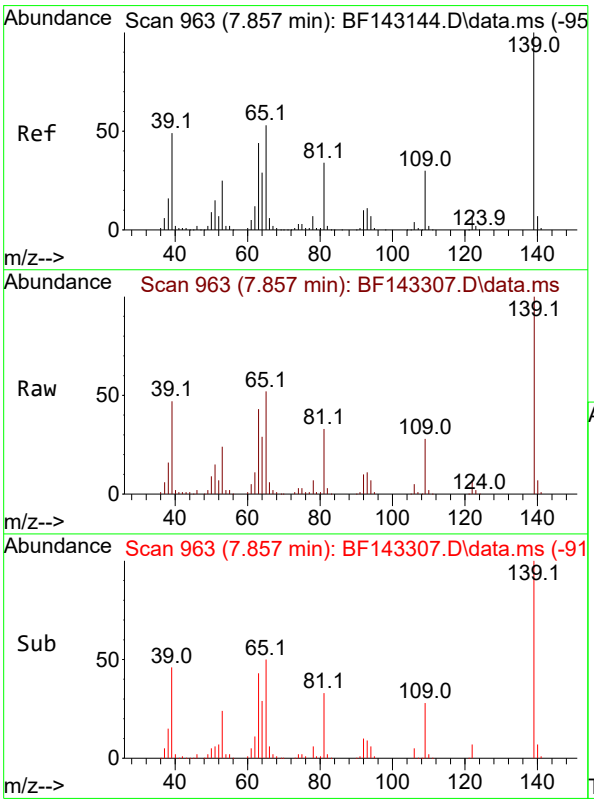
Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	18.3	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

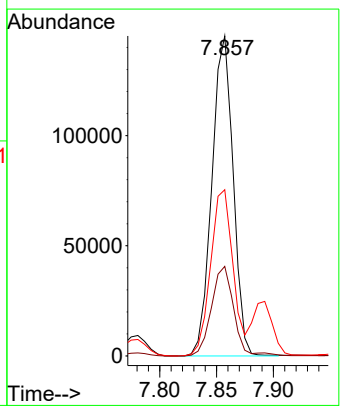


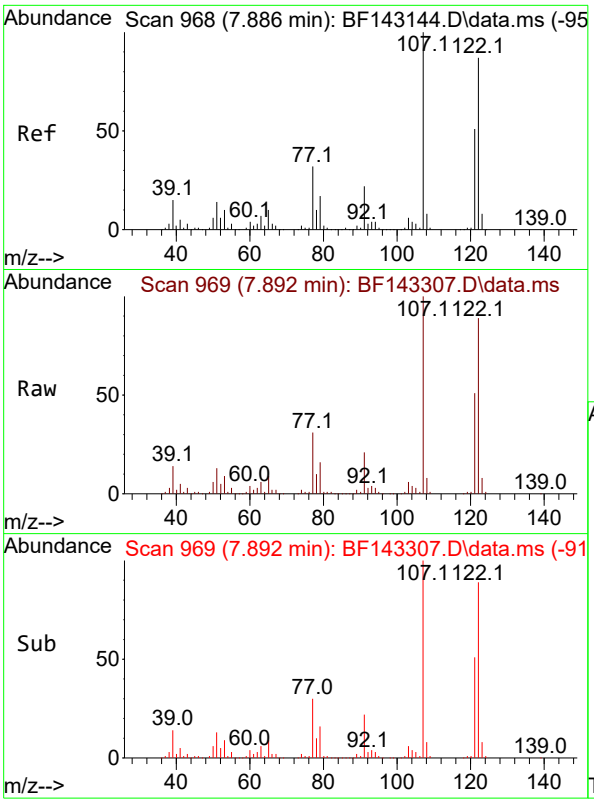


#26
2-Nitrophenol
Concen: 50.951 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:139 Resp: 189149

Ion	Ratio	Lower	Upper
139	100		
109	28.0	23.6	35.4
65	52.0	42.6	64.0





#27
2,4-Dimethylphenol
Concen: 43.689 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

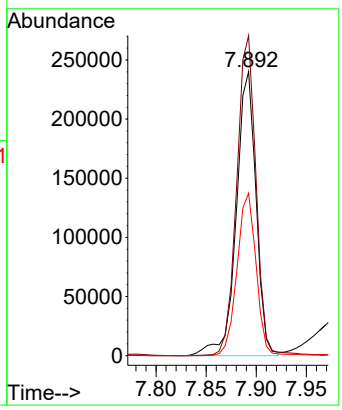
Tgt Ion:122 Resp: 33060

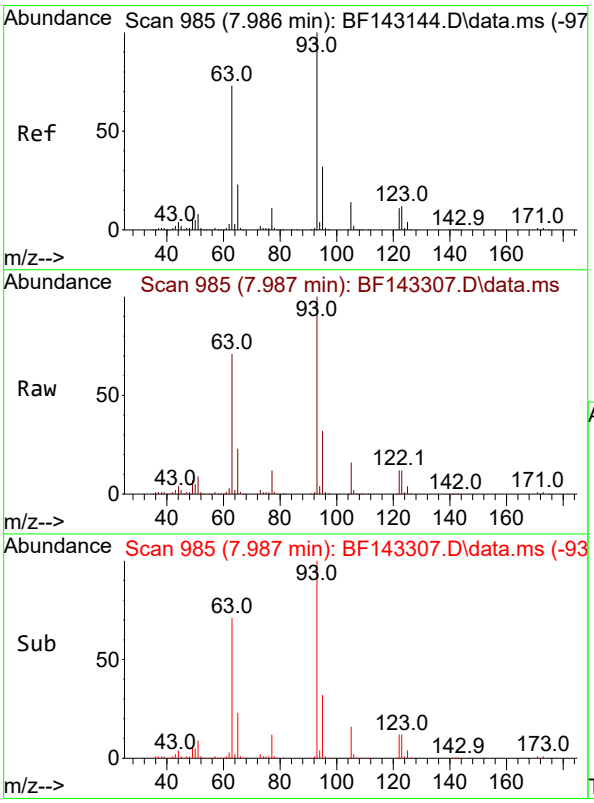
Ion	Ratio	Lower	Upper
122	100		
107	112.7	91.8	137.6
121	57.2	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

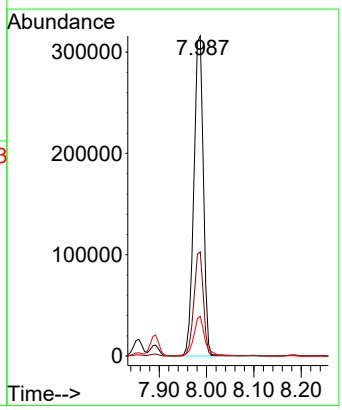


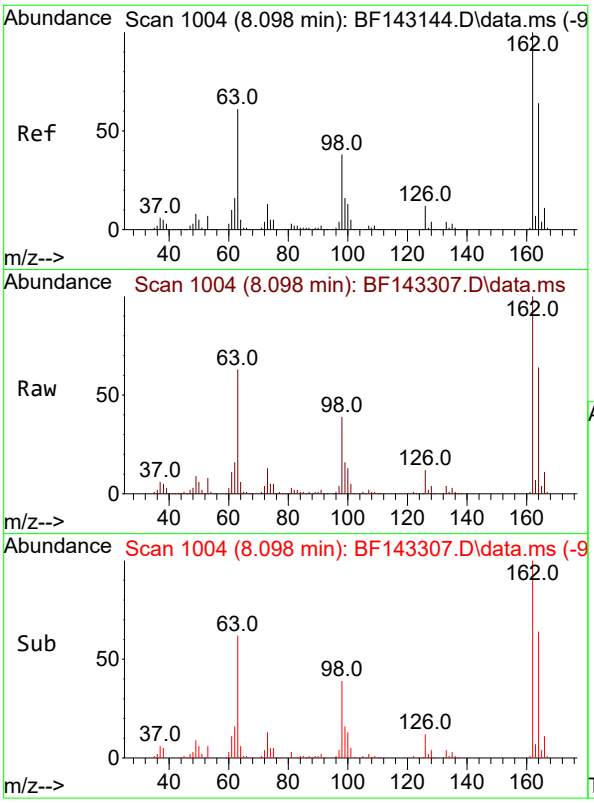


#28
bis(2-Chloroethoxy)methane
Concen: 45.602 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 93 Resp: 442833

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.6
123	12.3	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 44.730 ng
RT: 8.098 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

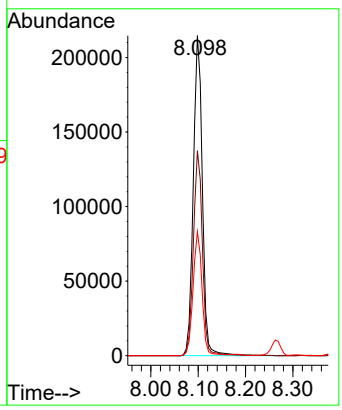
Tgt Ion:162 Resp: 28545(

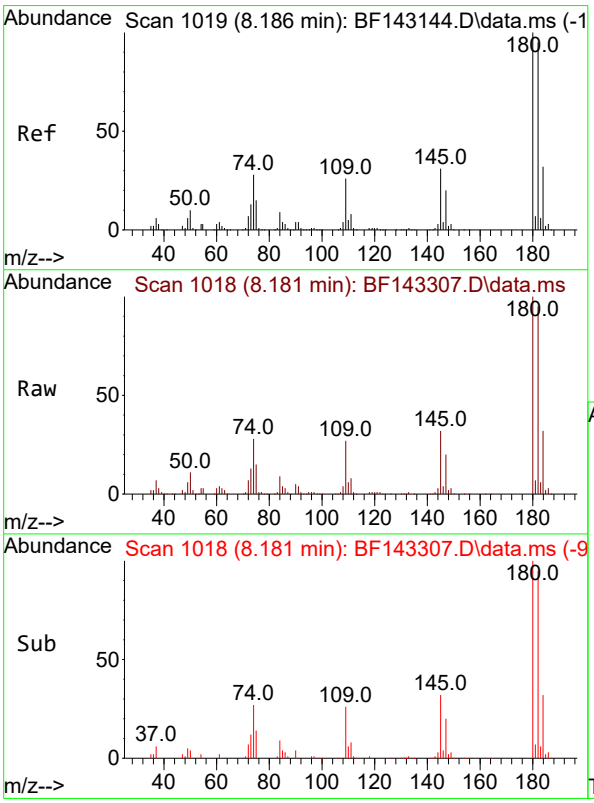
Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.2	84.2
98	38.8	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

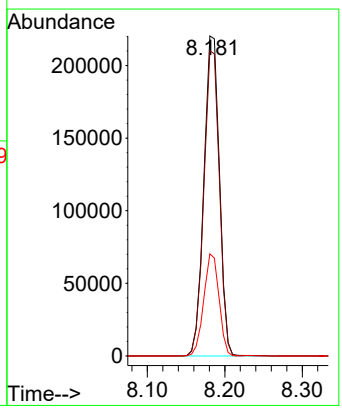


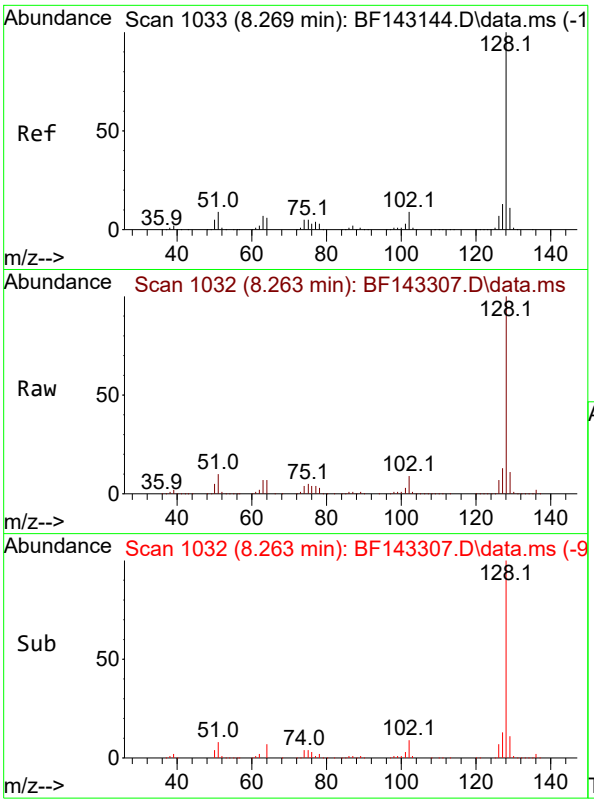


#30
1,2,4-Trichlorobenzene
Concen: 44.598 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:180 Resp: 307473

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
145	31.9	25.0	37.6





#31
Naphthalene
Concen: 44.466 ng
RT: 8.263 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

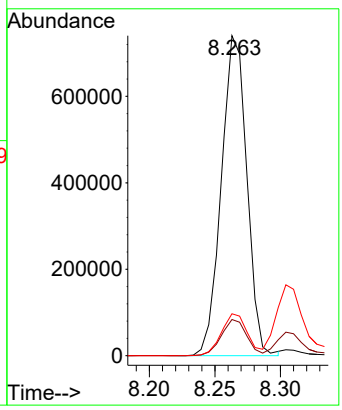
Tgt Ion:128 Resp: 100151

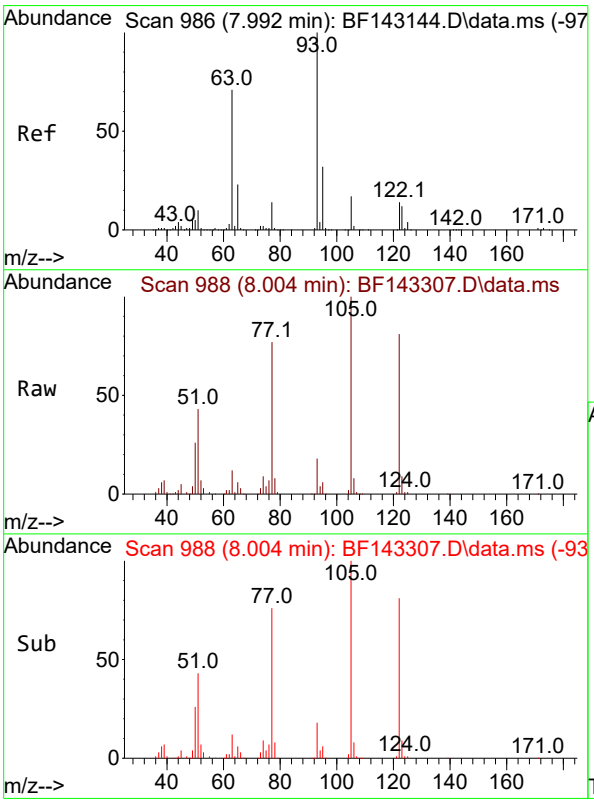
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

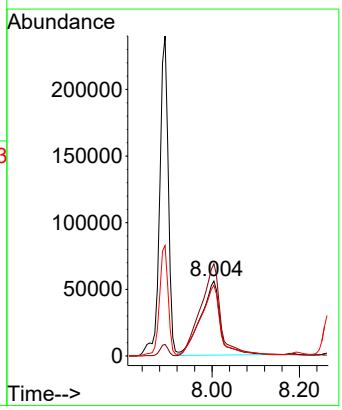


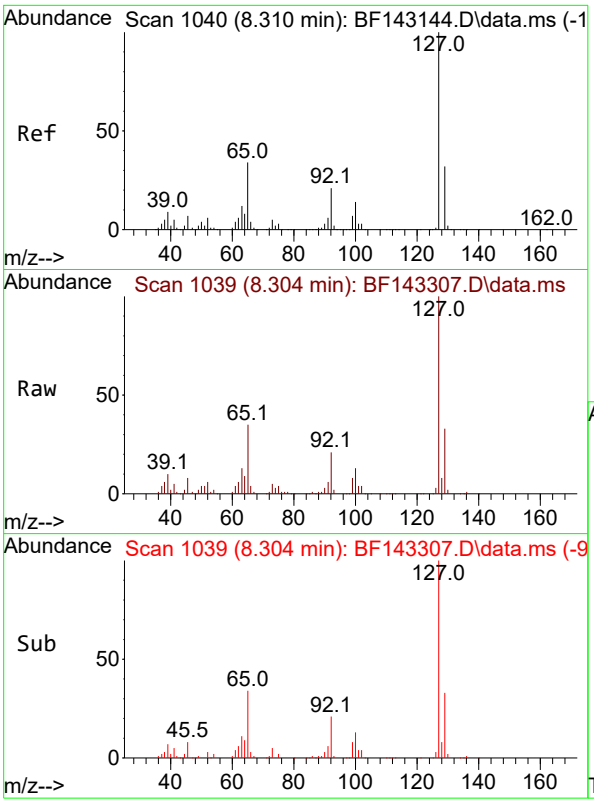


#32
Benzoic acid
Concen: 41.958 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:122 Resp: 175738

Ion	Ratio	Lower	Upper
122	100		
105	123.1	104.8	144.8
77	94.2	77.6	117.6





#33
4-Chloroaniline
Concen: 27.369 ng
RT: 8.304 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

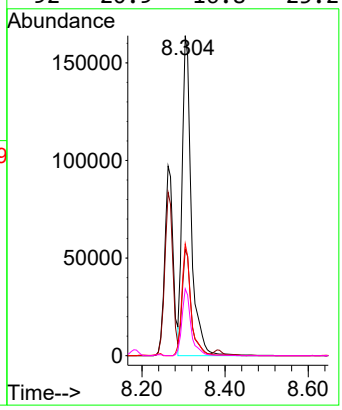
Tgt Ion:127 Resp: 25170

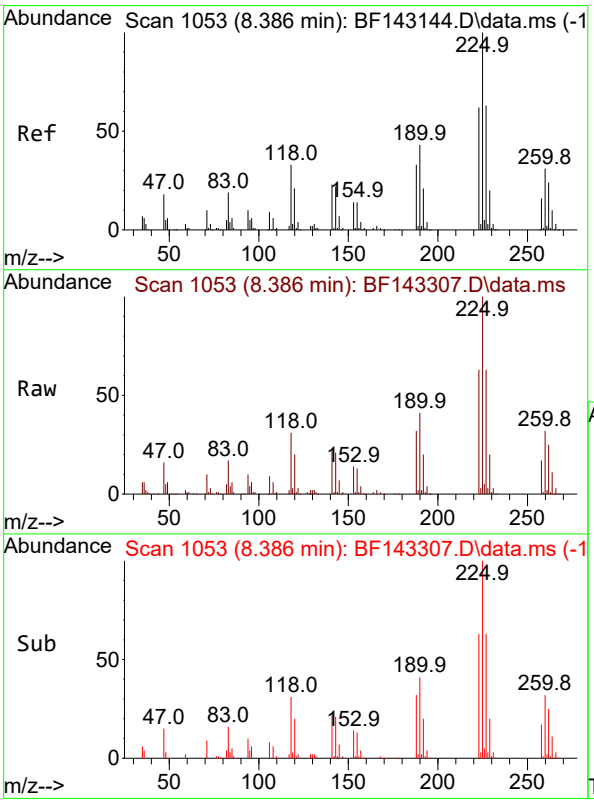
Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.0	39.0
65	35.0	27.4	41.2
92	20.9	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

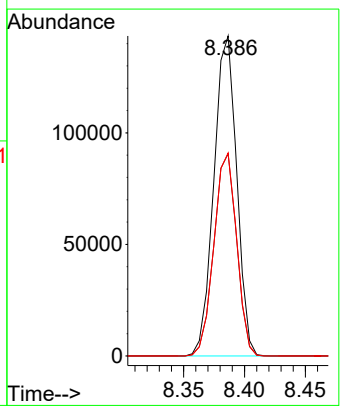


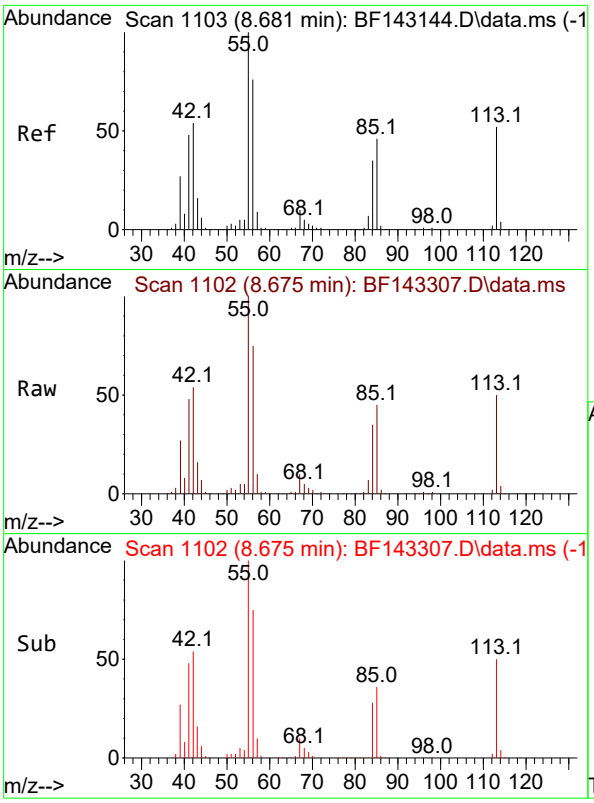


#34
Hexachlorobutadiene
Concen: 44.427 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:225 Resp: 187108

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.6
227	63.4	50.2	75.4





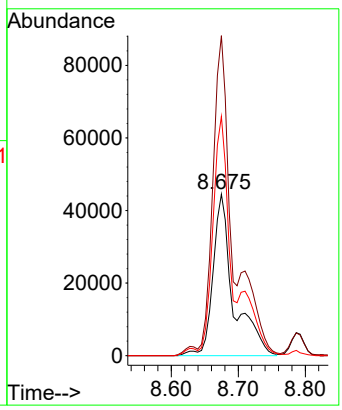
#35
Caprolactam
Concen: 48.987 ng m
RT: 8.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

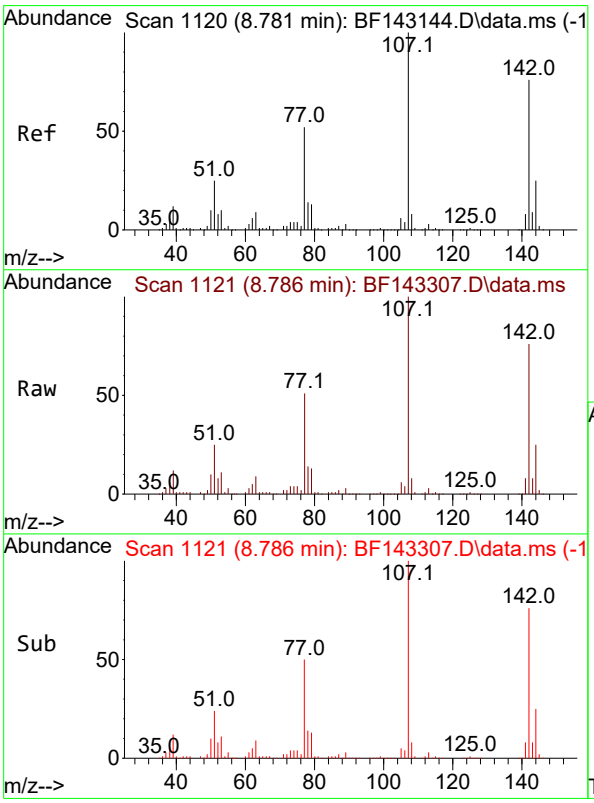
Tgt Ion:113 Resp: 9446

Ion	Ratio	Lower	Upper
113	100		
55	198.2	174.0	214.0
56	148.2	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

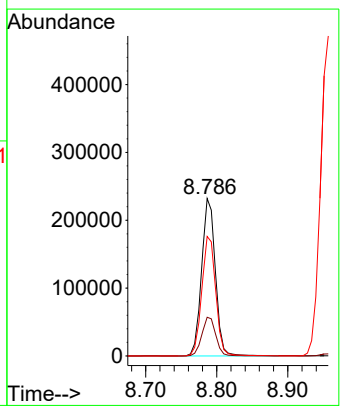


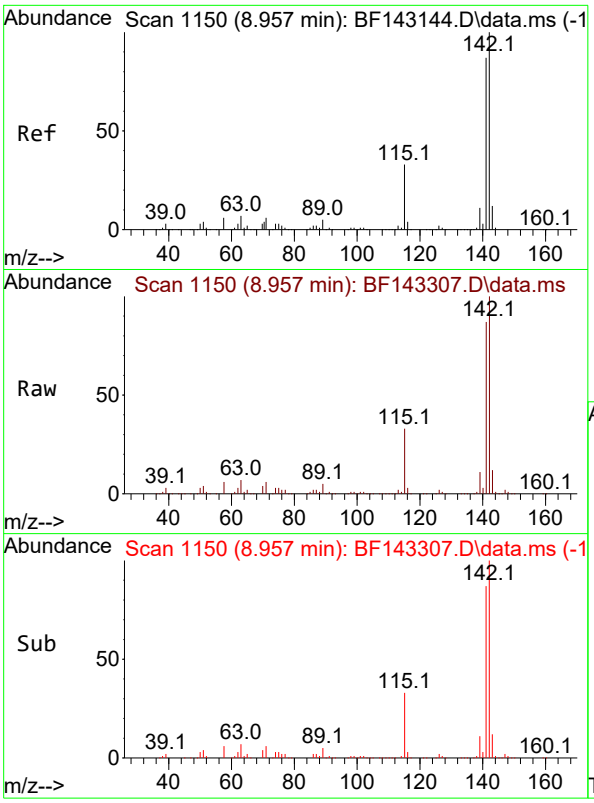


#36
4-Chloro-3-methylphenol
Concen: 45.193 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:107 Resp: 313467

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	76.0	60.6	90.8





#37
2-Methylnaphthalene
Concen: 44.851 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

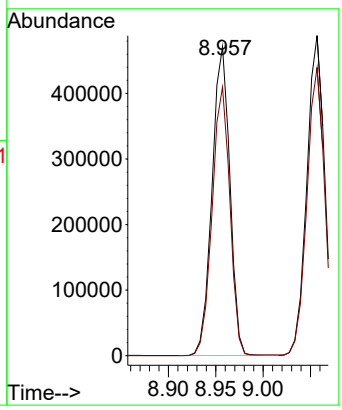
Tgt Ion:142 Resp: 61471

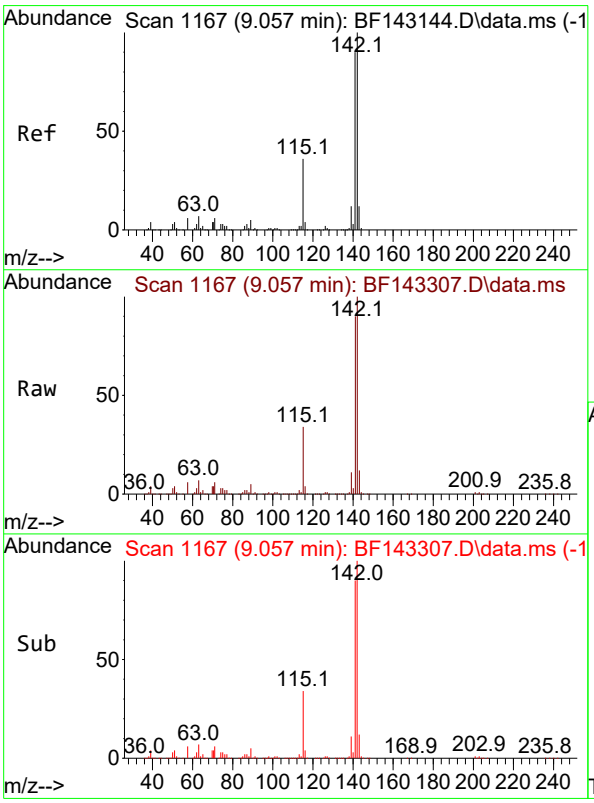
Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

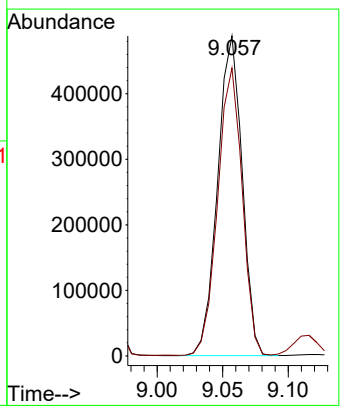


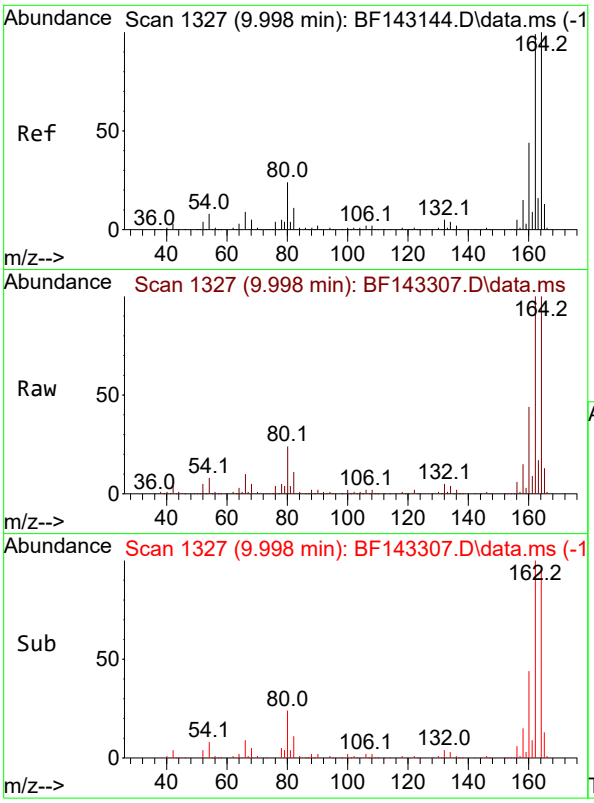


#38
1-Methylnaphthalene
Concen: 44.956 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:142 Resp: 634487

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: BF143307.D
Acq: 05 Aug 2025 10:58

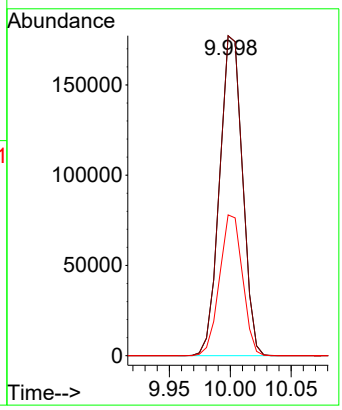
Tgt Ion:164 Resp: 23235

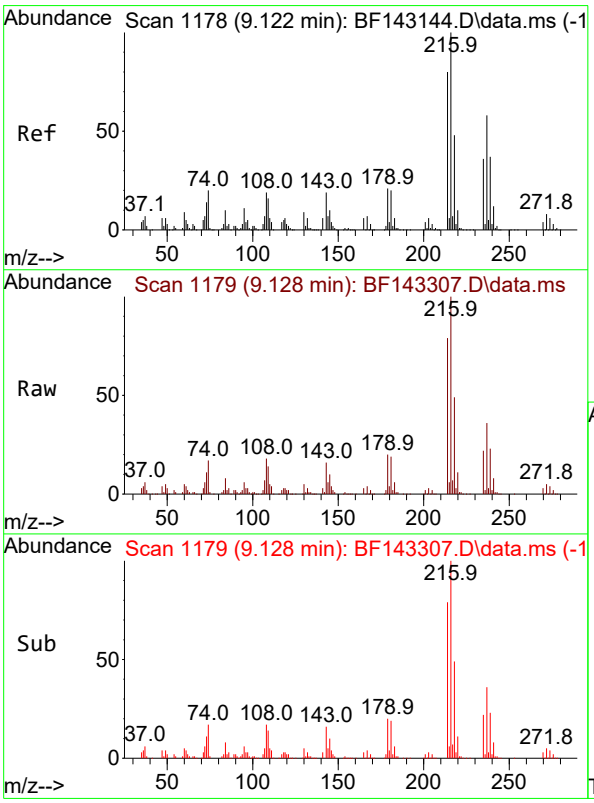
Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.0	118.6
160	44.0	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

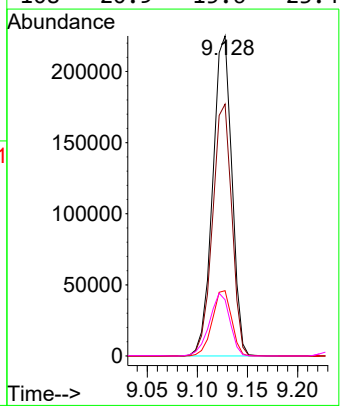


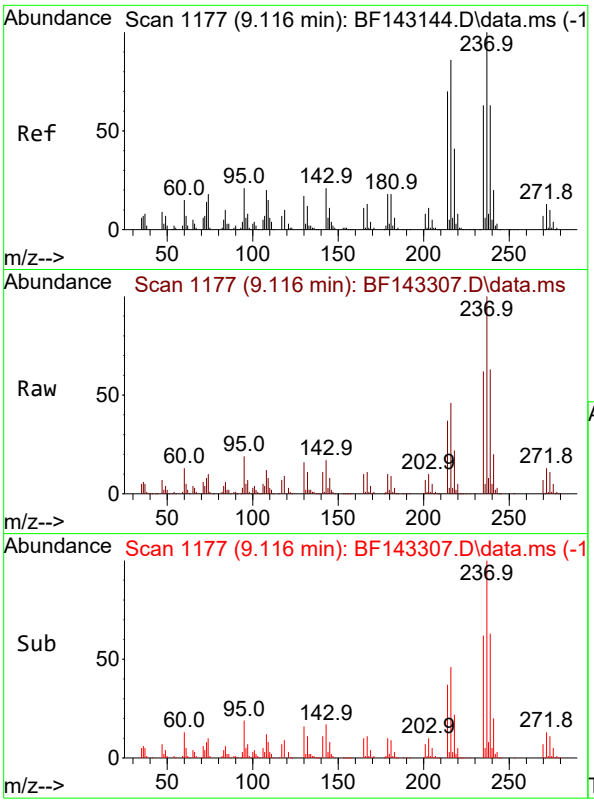


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.564 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:216 Resp: 298949

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.8
179	20.6	16.4	24.6
108	20.9	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 81.804 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

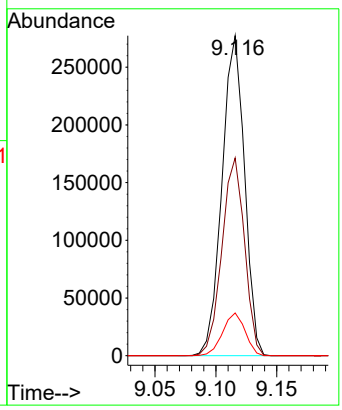
Tgt Ion:237 Resp: 35707

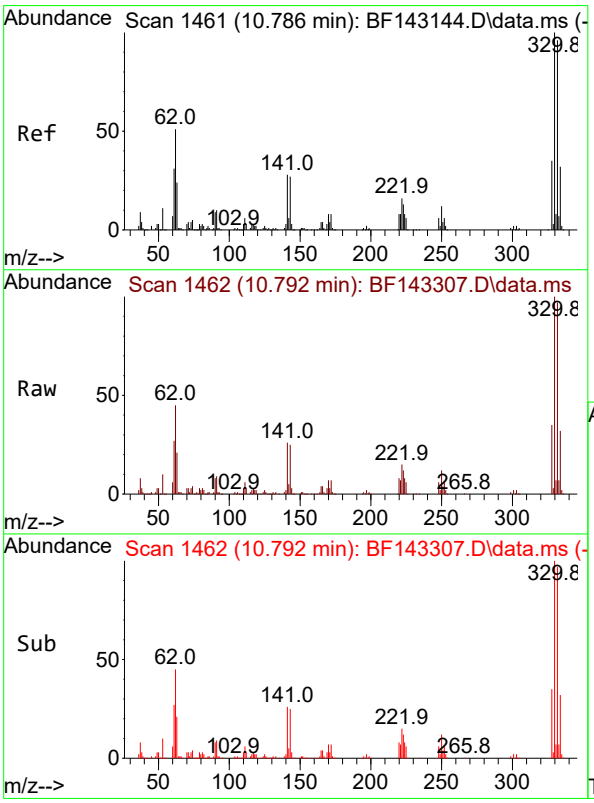
Ion	Ratio	Lower	Upper
237	100		
235	61.8	43.0	83.0
272	13.4	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

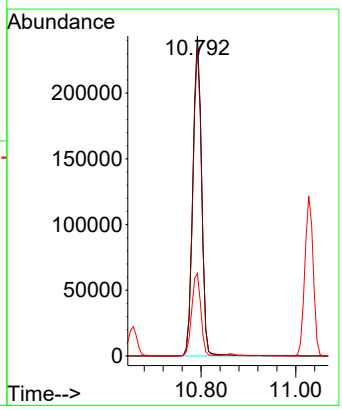


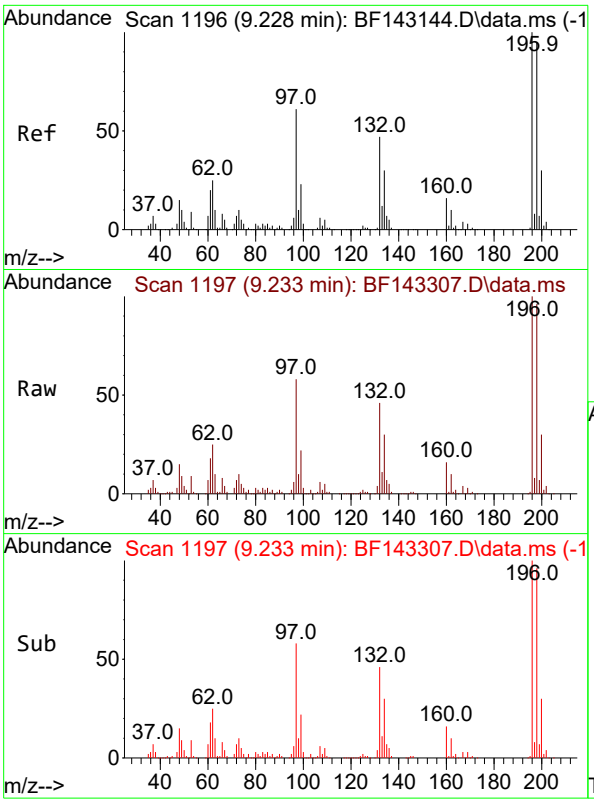


#42
2,4,6-Tribromophenol
Concen: 129.660 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:330 Resp: 311231

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.7	115.1
141	26.9	23.3	34.9





#43
2,4,6-Trichlorophenol
Concen: 42.421 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

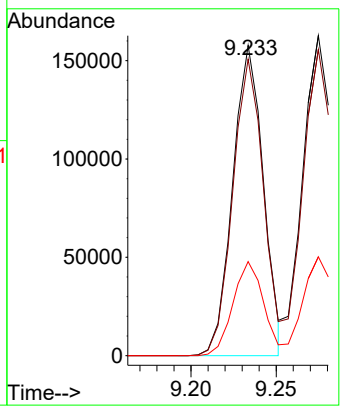
Tgt Ion:196 Resp: 196949

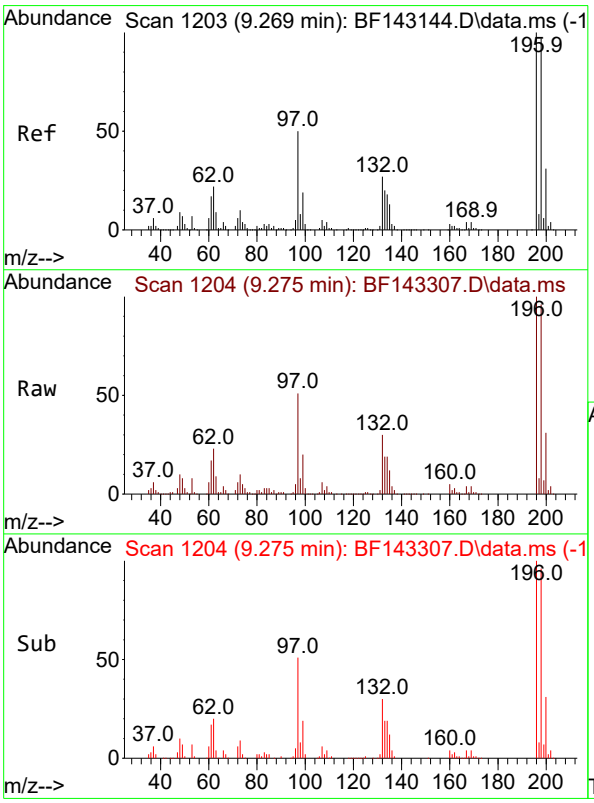
Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.2	114.2
200	30.3	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

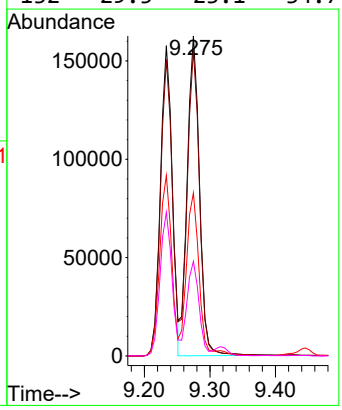


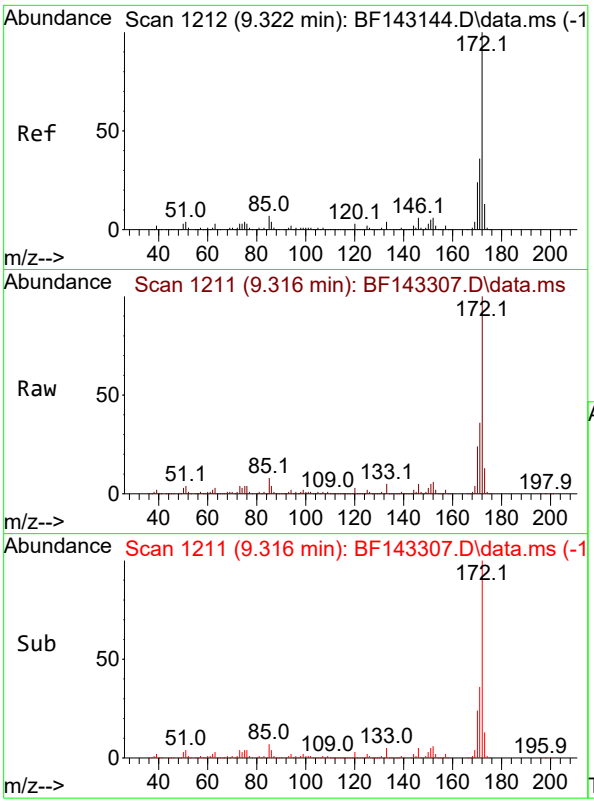


#44
2,4,5-Trichlorophenol
Concen: 45.607 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:196 Resp: 211805

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
97	50.9	40.3	60.5
132	29.5	23.1	34.7





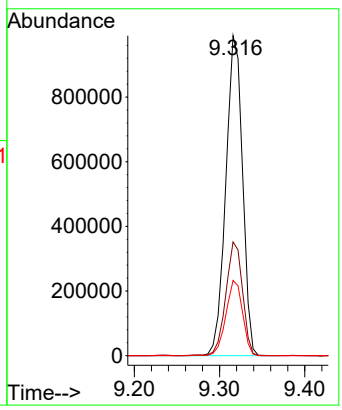
#45
2-Fluorobiphenyl
Concen: 79.409 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

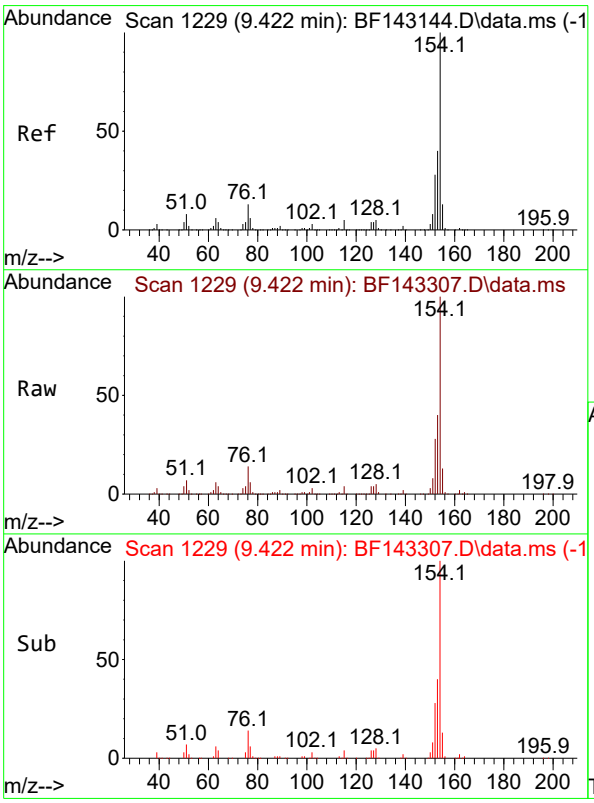
Tgt Ion:172 Resp: 134914

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.5	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

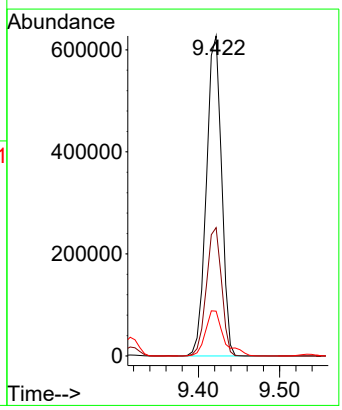


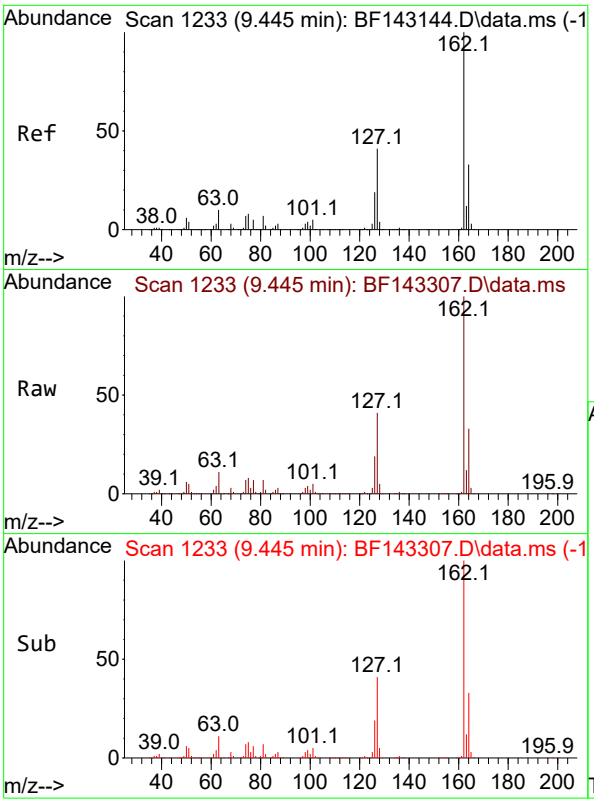


#46
1,1'-Biphenyl
Concen: 44.790 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:154 Resp: 811976

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	14.0	0.0	33.3





#47
2-Chloronaphthalene
Concen: 44.954 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

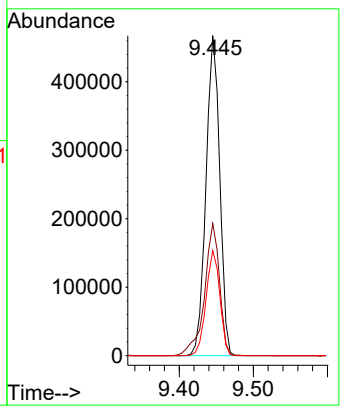
Tgt Ion:162 Resp: 60299

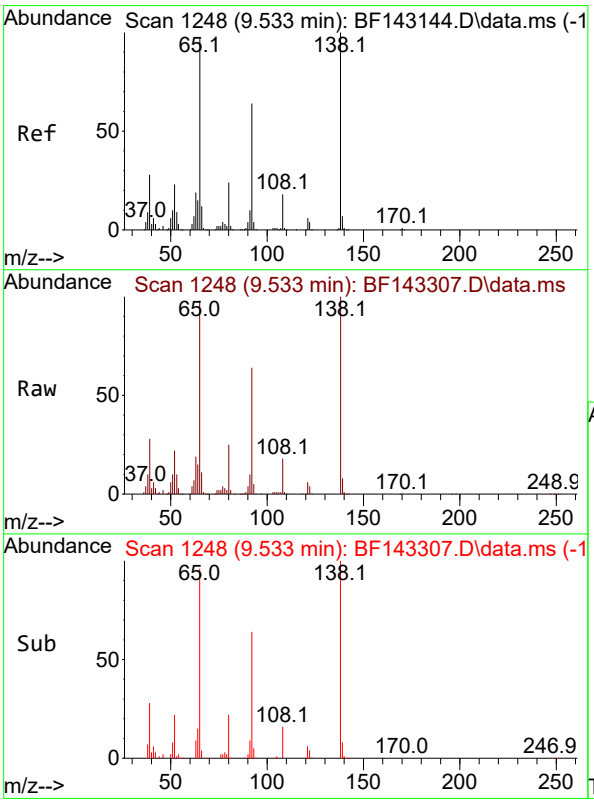
Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.4	50.2
164	32.8	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

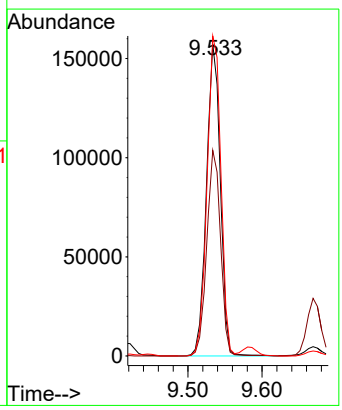


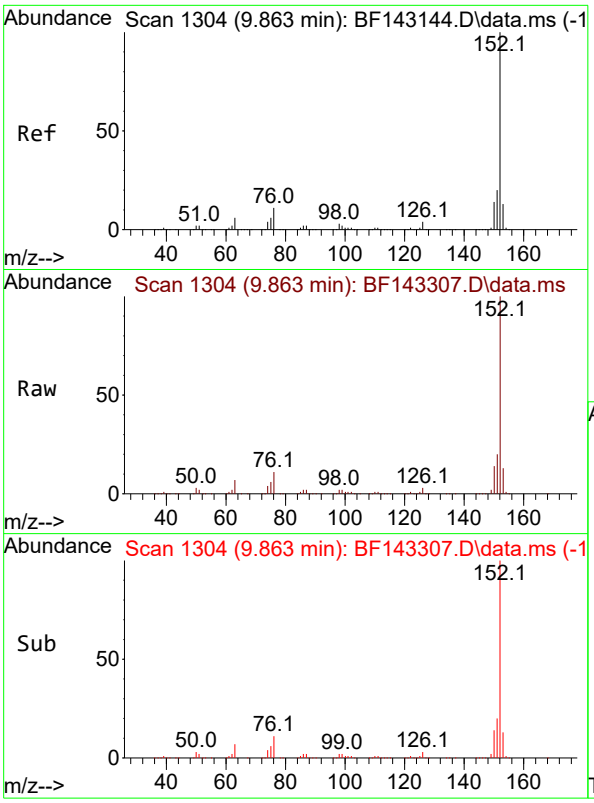


#48
2-Nitroaniline
Concen: 48.487 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 65 Resp: 203961

Ion	Ratio	Lower	Upper
65	100		
92	65.9	52.4	78.6
138	102.5	82.3	123.5





#49
Acenaphthylene
Concen: 45.215 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

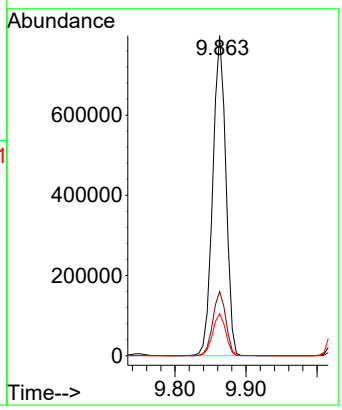
Tgt Ion:152 Resp: 101639

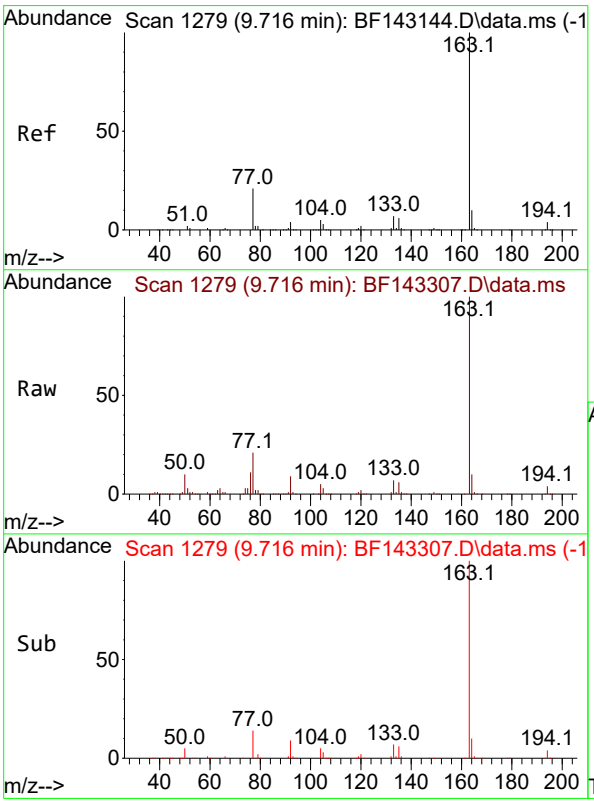
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

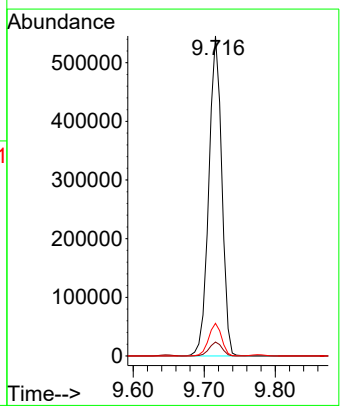


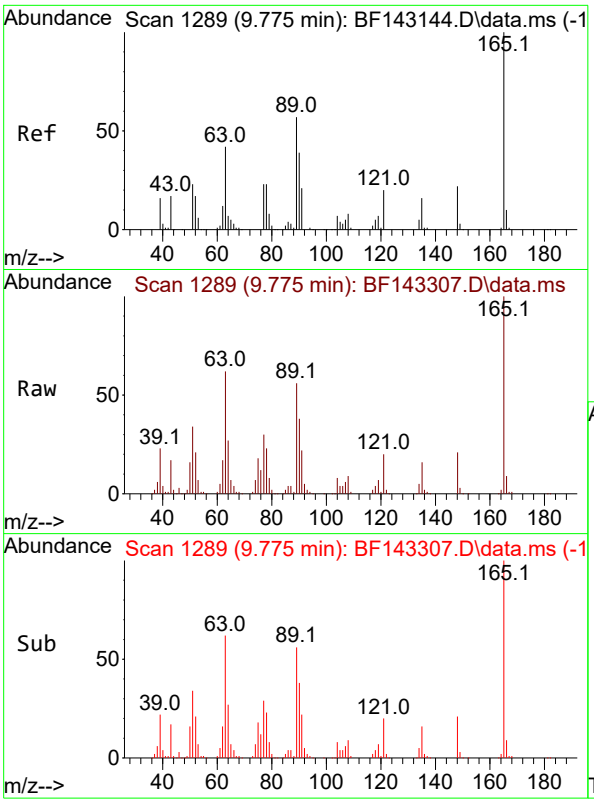


#50
Dimethylphthalate
Concen: 45.759 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:163 Resp: 693056

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: 50.325 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

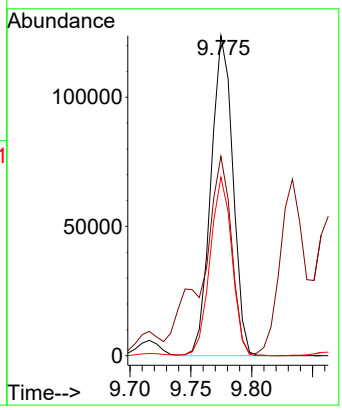
Tgt Ion:165 Resp: 15505

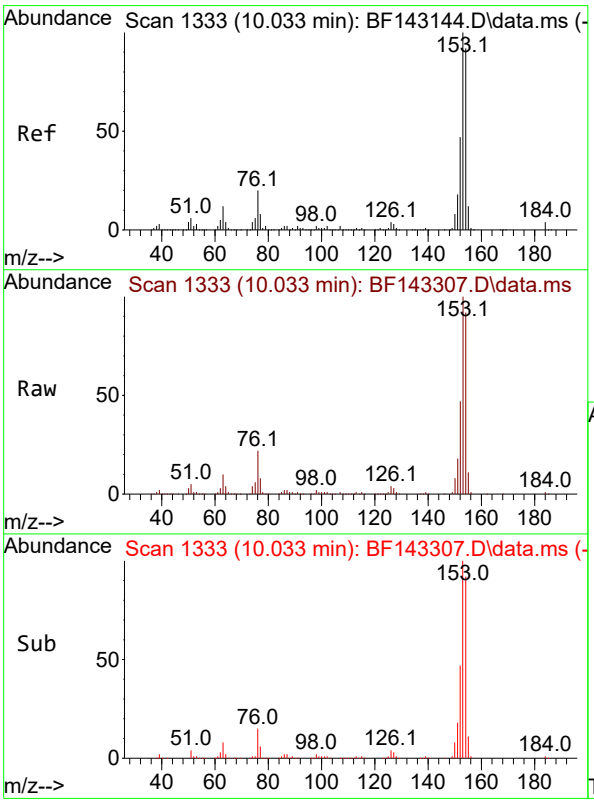
Ion	Ratio	Lower	Upper
165	100		
63	62.3	49.4	74.2
89	55.8	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

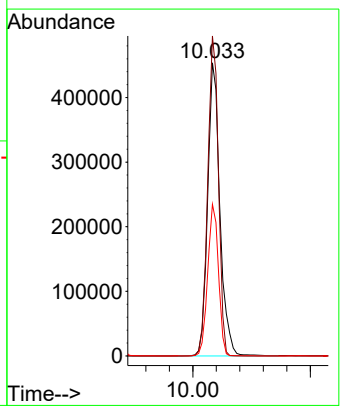


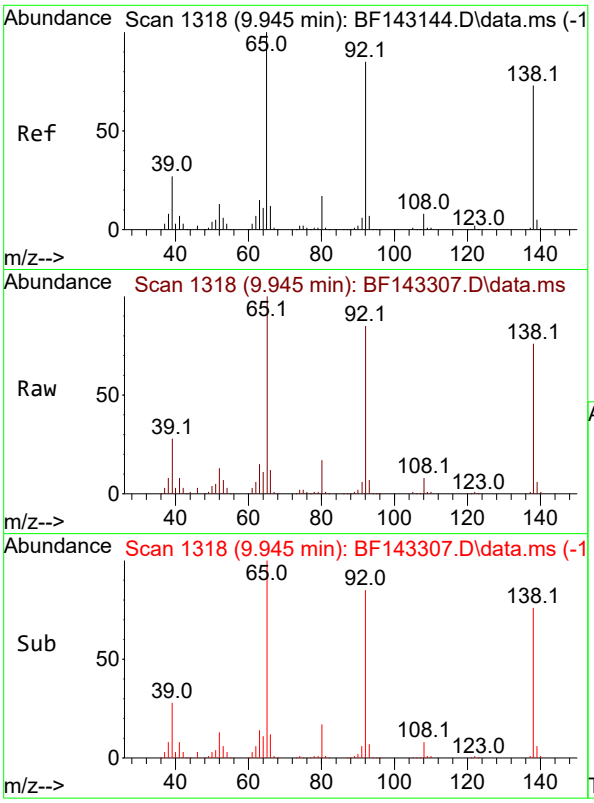


#52
Acenaphthene
Concen: 49.525 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:154 Resp: 658002

Ion	Ratio	Lower	Upper
154	100		
153	109.2	86.6	129.8
152	51.8	40.4	60.6





#53
3-Nitroaniline
Concen: 34.073 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

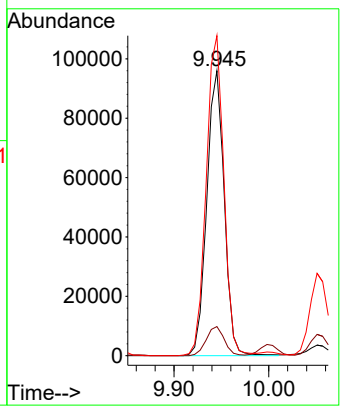
Tgt Ion:138 Resp: 12279

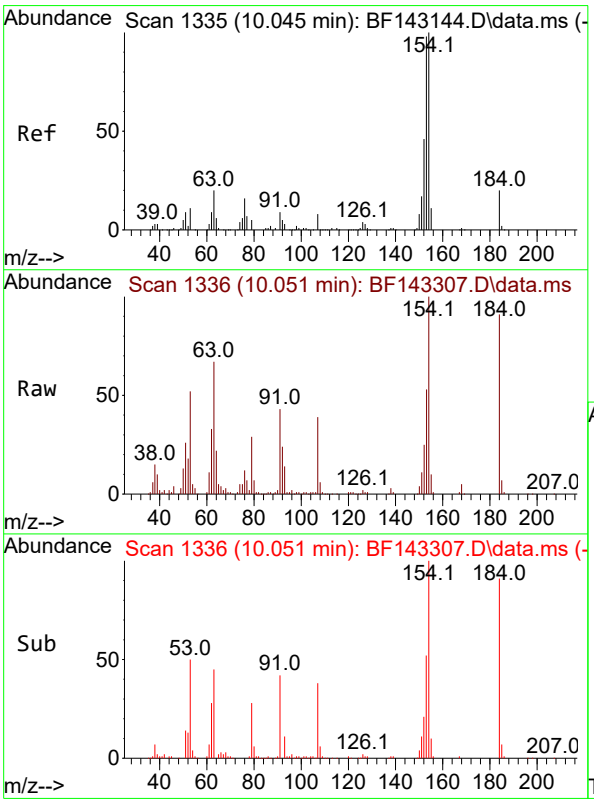
Ion	Ratio	Lower	Upper
138	100		
108	10.2	9.0	13.6
92	112.3	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

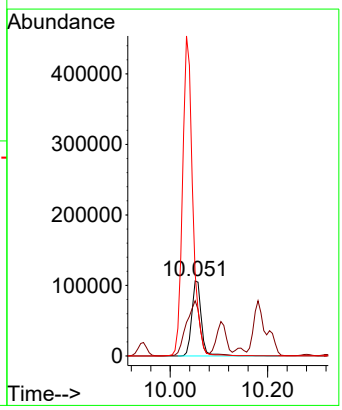


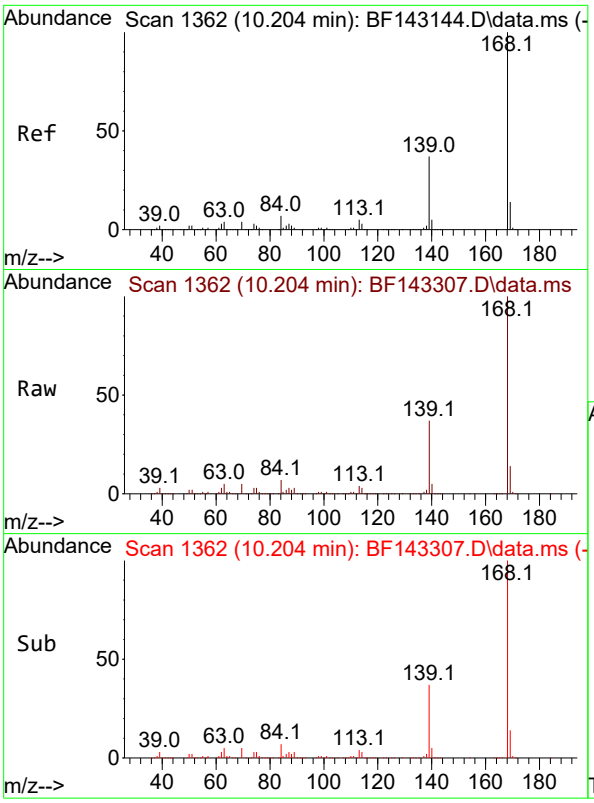


#54
2,4-Dinitrophenol
Concen: 103.867 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:184 Resp: 148070

Ion	Ratio	Lower	Upper
184	100		
63	73.6	81.8	122.6#
154	109.7	412.2	618.4#





#55
Dibenzofuran
Concen: 44.203 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

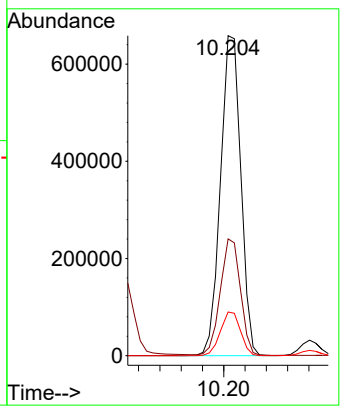
Tgt Ion:168 Resp: 87194

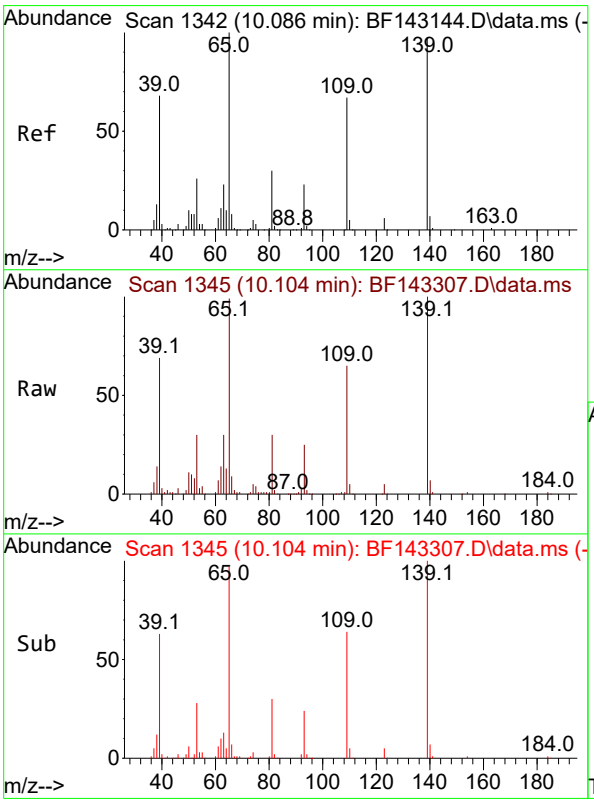
Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.5	44.3
169	13.6	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

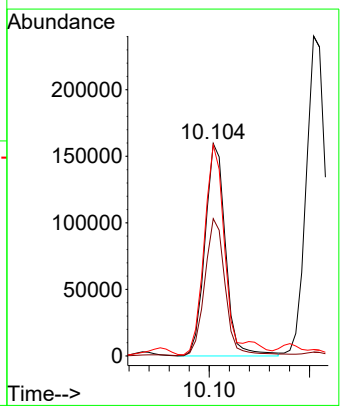


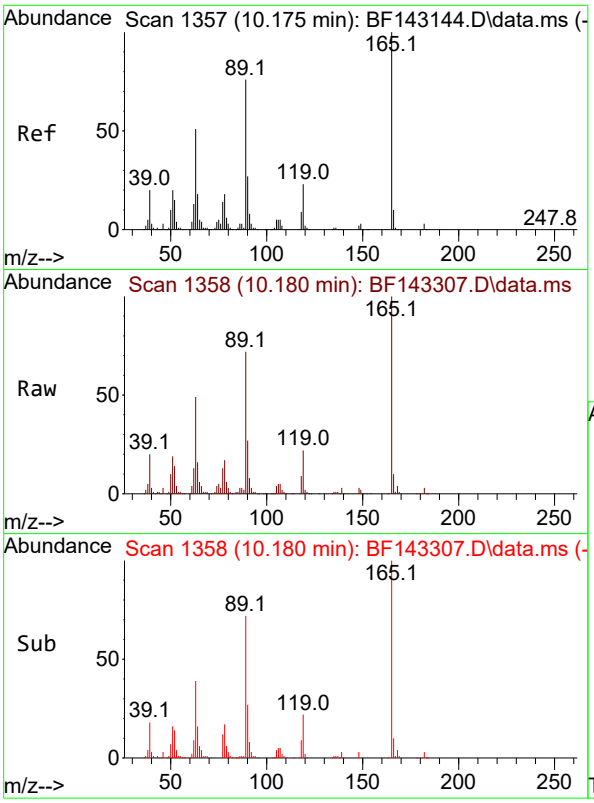


#56
4-Nitrophenol
Concen: 84.247 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:139 Resp: 226718

Ion	Ratio	Lower	Upper
139	100		
109	64.6	48.5	88.5
65	99.4	83.4	123.4





#57
2,4-Dinitrotoluene
Concen: 51.988 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

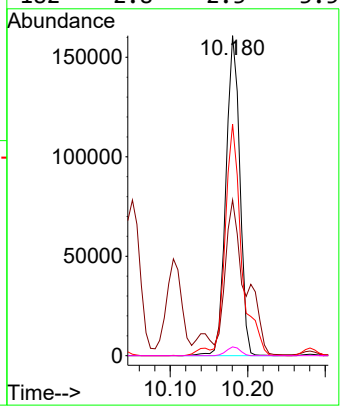
Tgt Ion:165 Resp: 20096

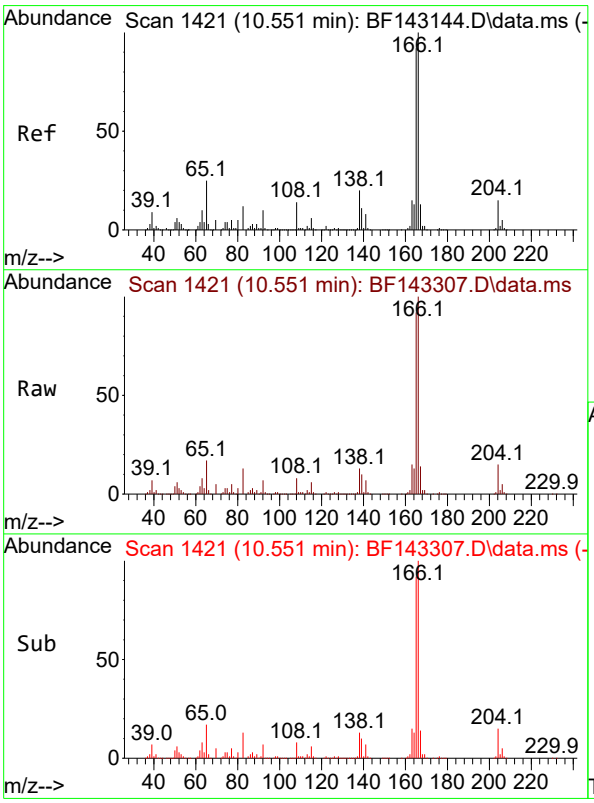
Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	72.3	61.1	91.7
182	2.8	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

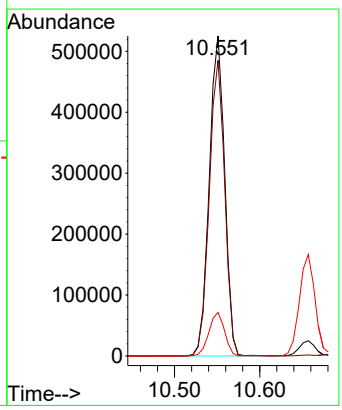


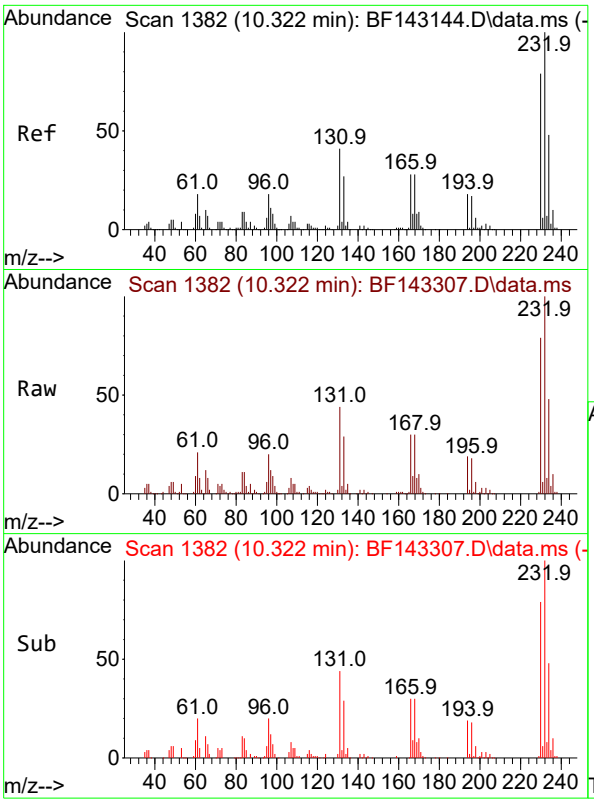


#58
Fluorene
Concen: 44.616 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:166 Resp: 660530

Ion	Ratio	Lower	Upper
166	100		
165	92.4	73.7	110.5
167	13.6	10.6	16.0





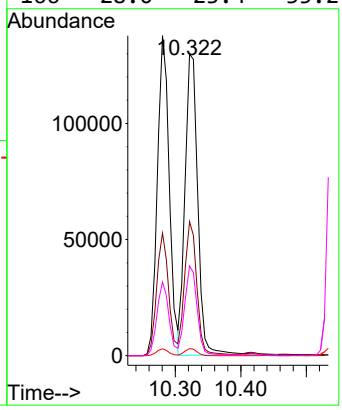
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.315 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

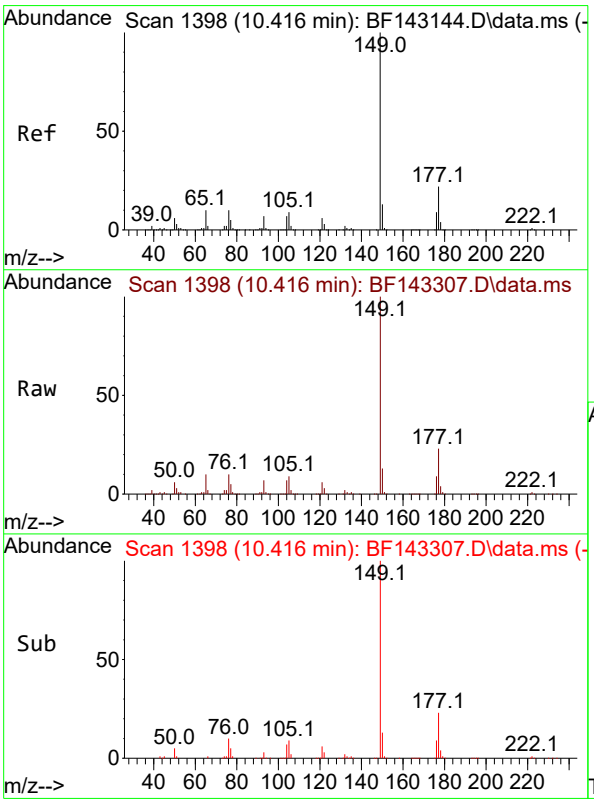
Tgt Ion:232 Resp: 17433

Ion	Ratio	Lower	Upper
232	100		
131	42.7	35.3	52.9
130	2.2	1.7	2.5
166	28.0	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

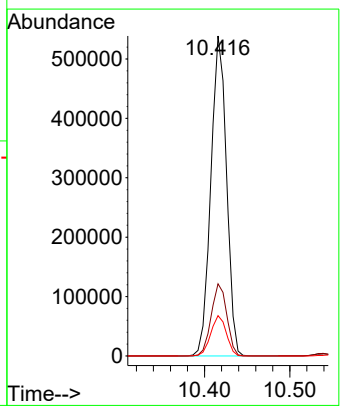


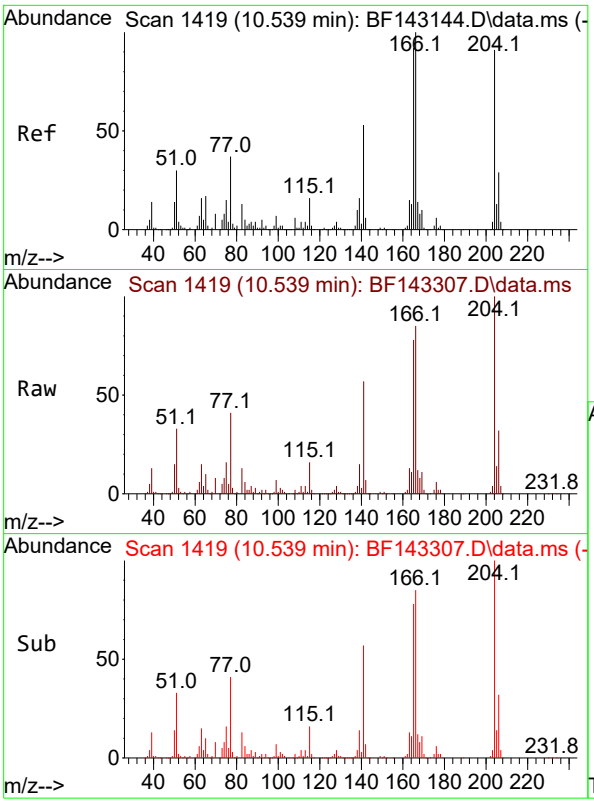


#60
Diethylphthalate
Concen: 46.018 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 688882

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.5	26.3
150	12.6	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 45.675 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

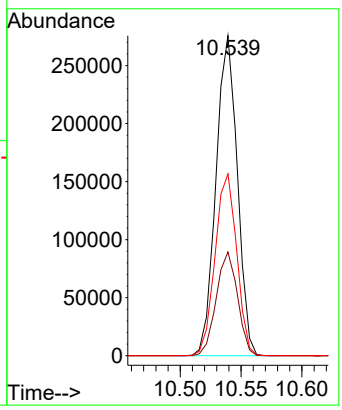
Instrument :
BNA_F
ClientSampleId :
PB169095BS

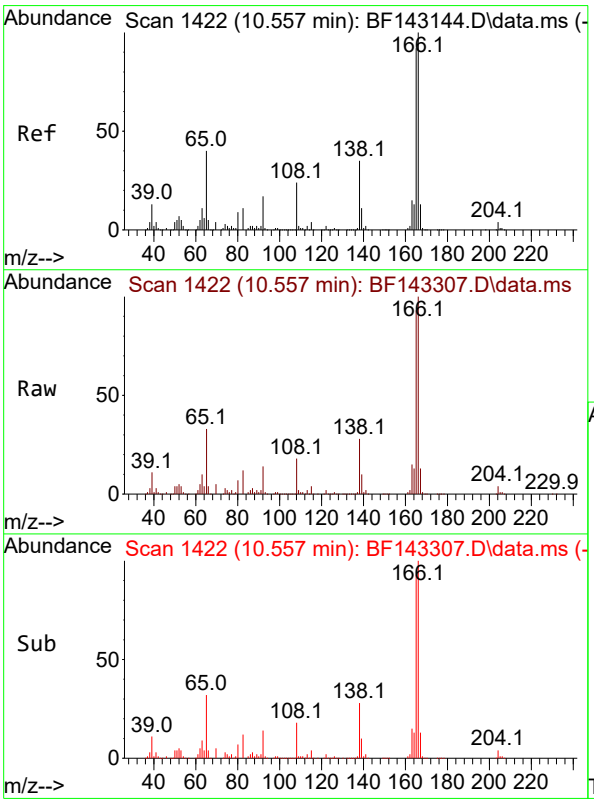
Tgt Ion:204 Resp: 336708

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	56.8	47.0	70.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

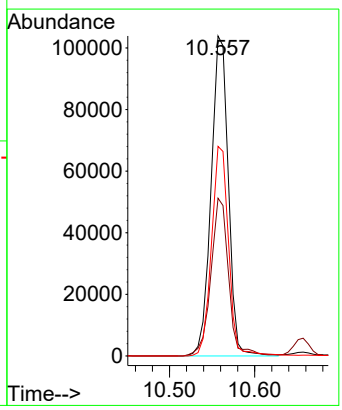


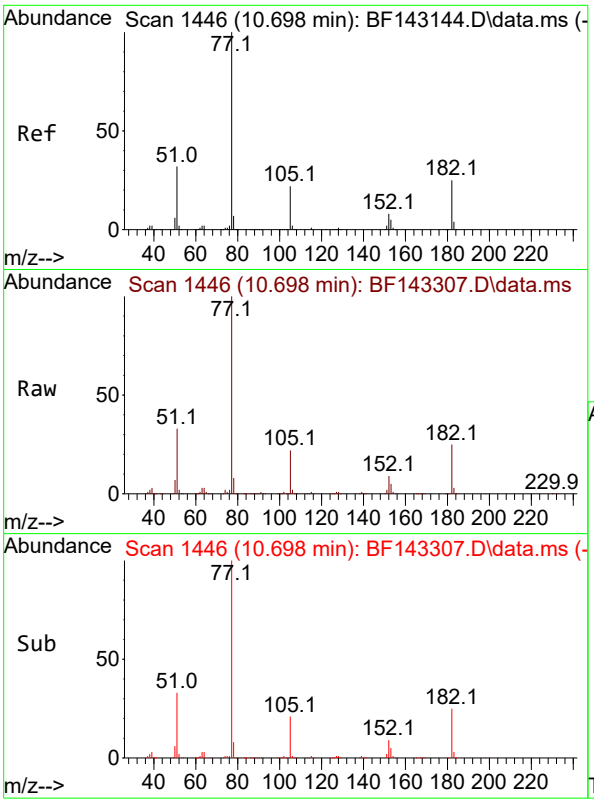


#62
4-Nitroaniline
Concen: 47.181 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:138 Resp: 145725

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	65.5	48.3	88.3





#63
Azobenzene
Concen: 45.484 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

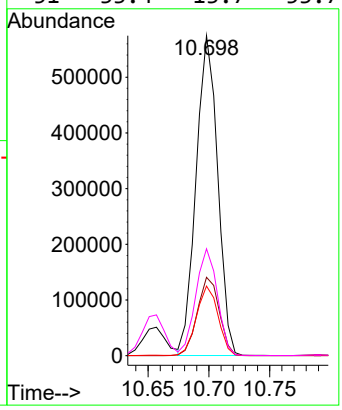
Tgt Ion: 77 Resp: 709639

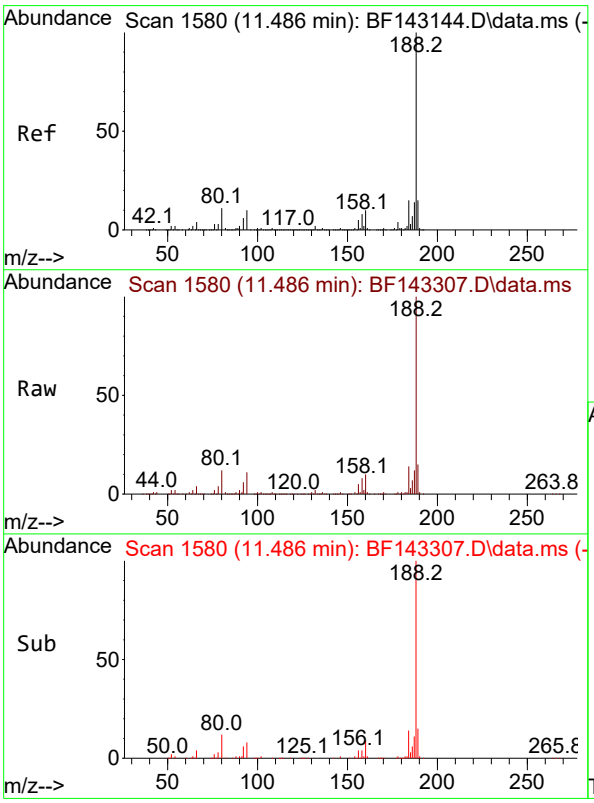
Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.6	44.6
105	21.8	1.4	41.4
51	33.4	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

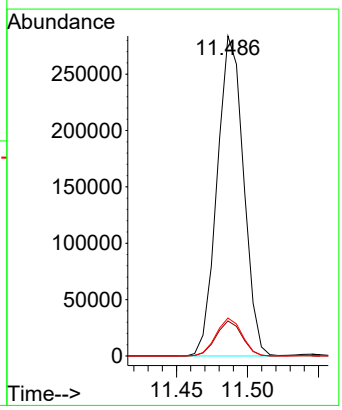


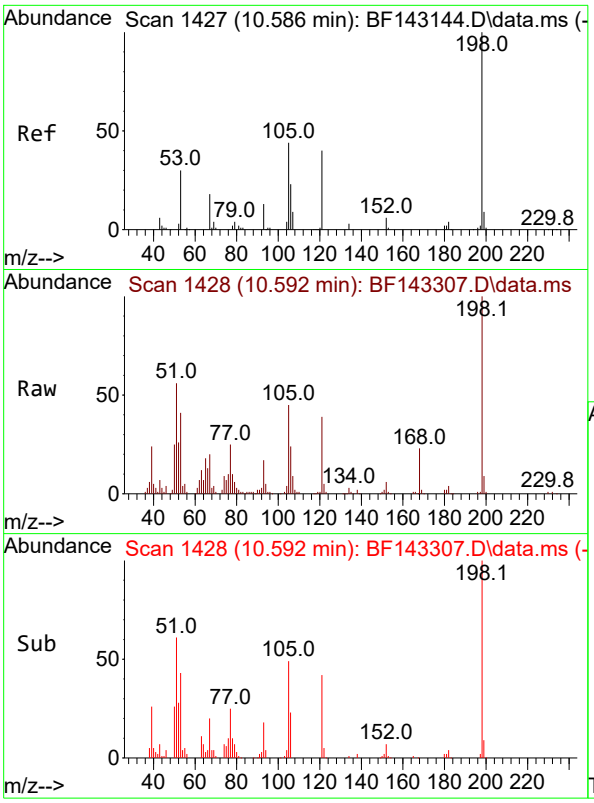


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:188 Resp: 366236

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: 51.364 ng
RT: 10.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

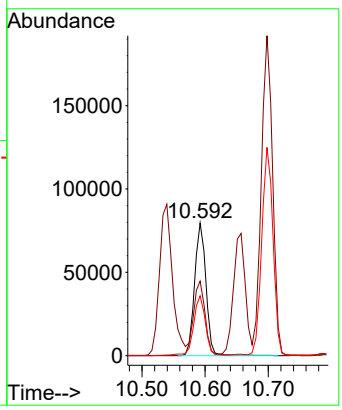
Tgt Ion:198 Resp: 9943

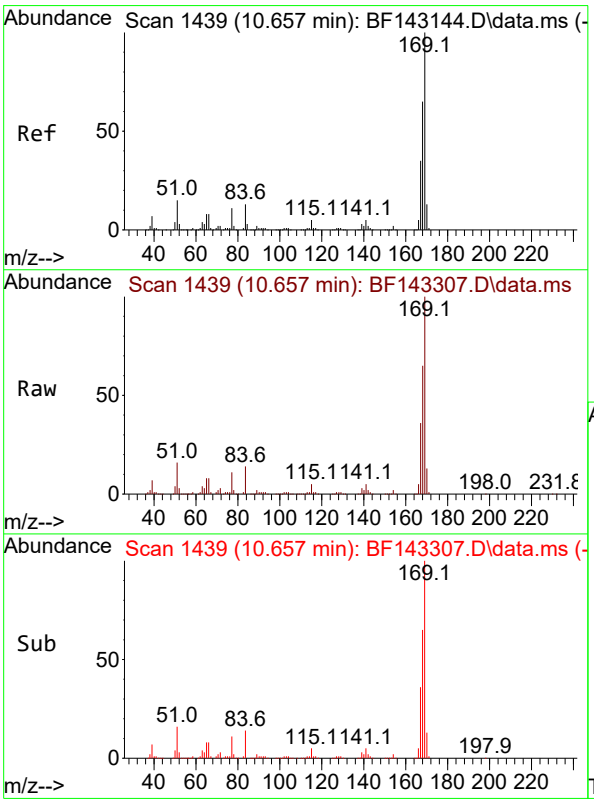
Ion	Ratio	Lower	Upper
198	100		
51	56.3	37.2	77.2
105	45.1	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

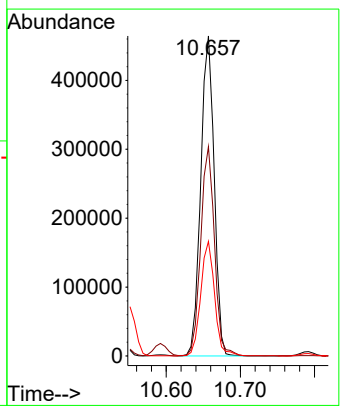


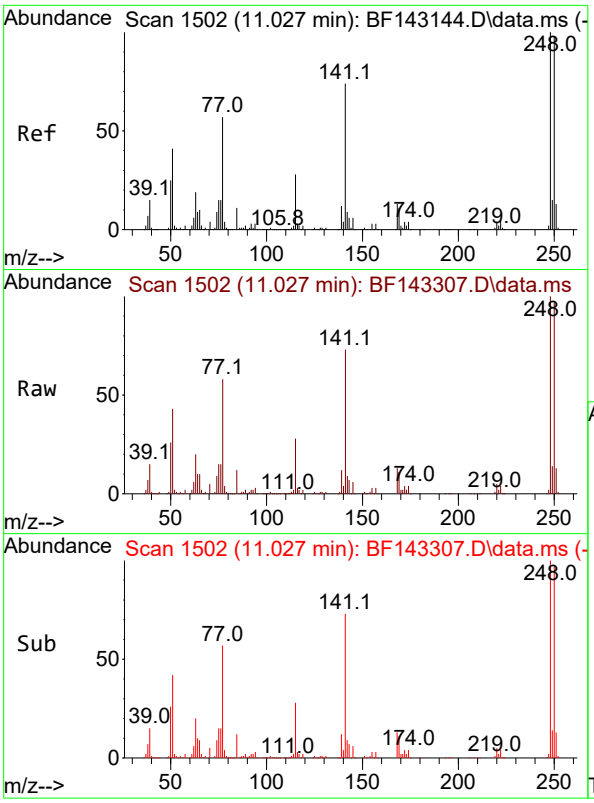


#66
n-Nitrosodiphenylamine
Concen: 45.635 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:169 Resp: 588520

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.1	78.1
167	35.8	28.2	42.2





#67
4-Bromophenyl-phenylether
Concen: 46.870 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

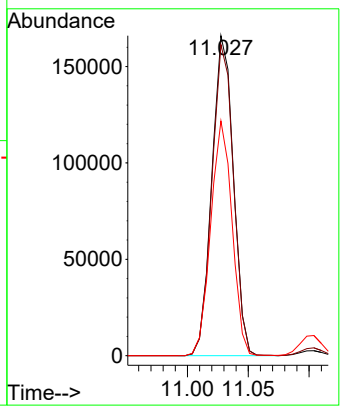
Tgt Ion:248 Resp: 20456

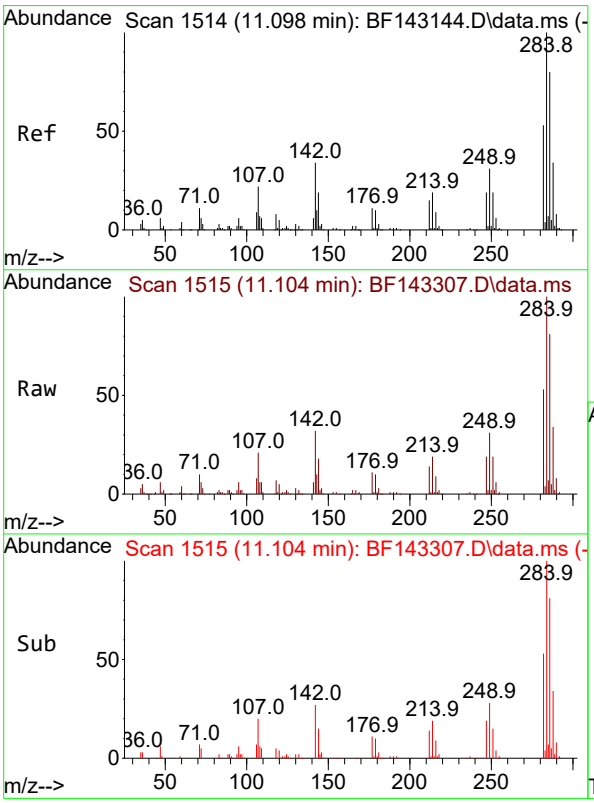
Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.3	117.5
141	73.4	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

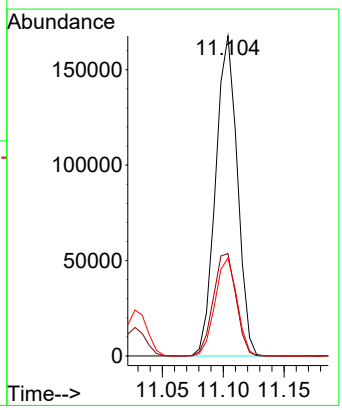


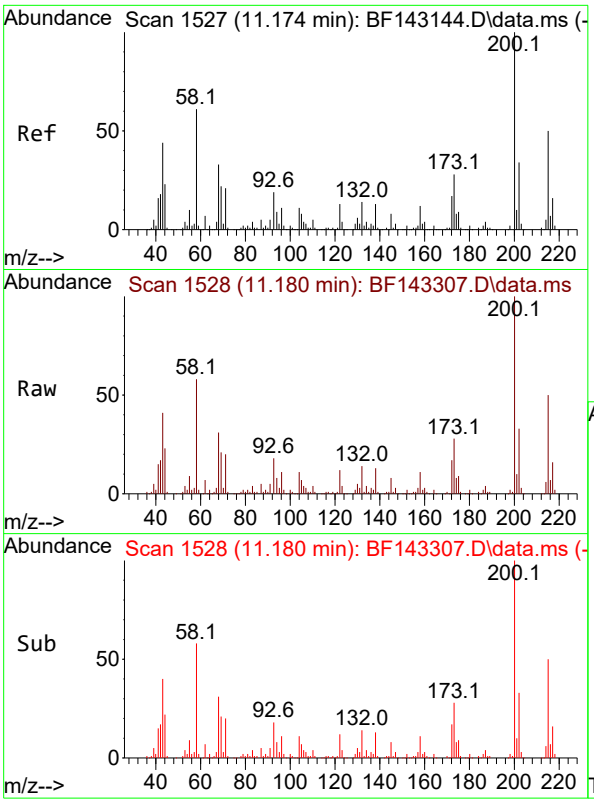


#68
Hexachlorobenzene
Concen: 45.728 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:284 Resp: 208607

Ion	Ratio	Lower	Upper
284	100		
142	32.0	27.0	40.6
249	30.6	25.0	37.6





#69
Atrazine
Concen: 50.150 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

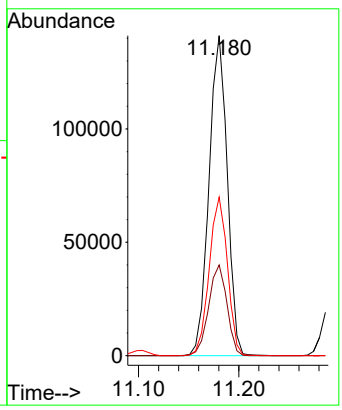
Tgt Ion:200 Resp: 17830

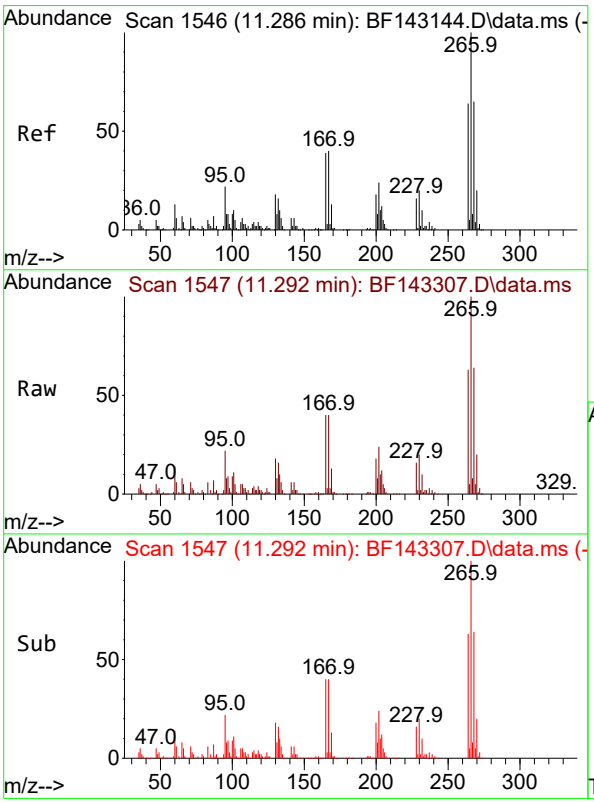
Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.5	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

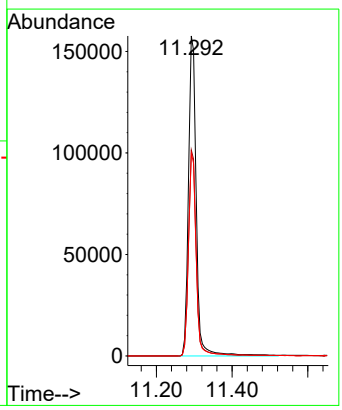


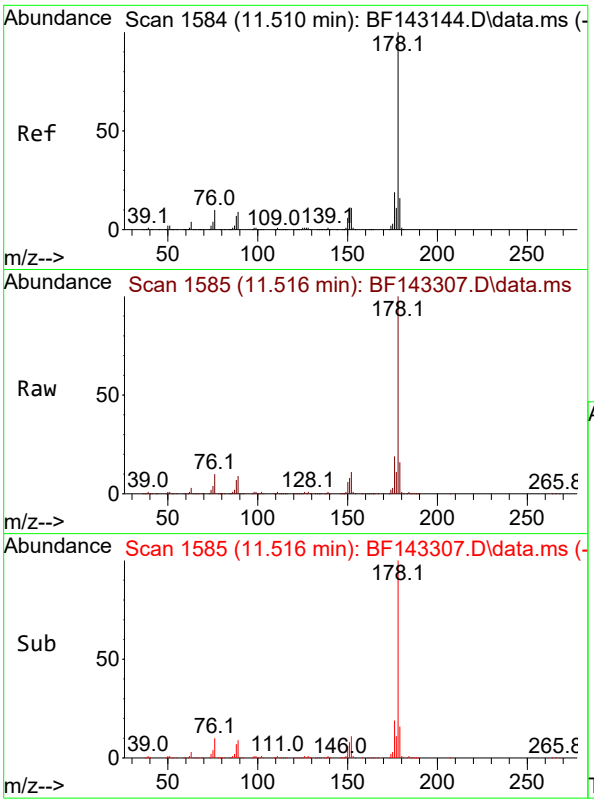


#70
Pentachlorophenol
Concen: 83.847 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:266 Resp: 224940

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.9	77.9
264	63.5	51.0	76.6





#71
Phenanthrene
Concen: 45.356 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

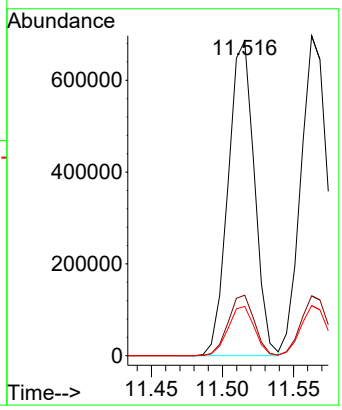
Tgt Ion:178 Resp: 881990

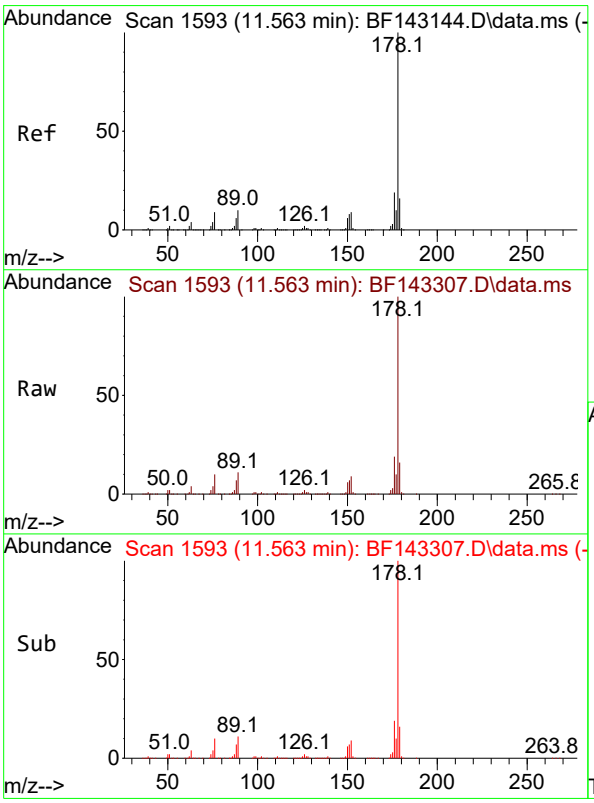
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

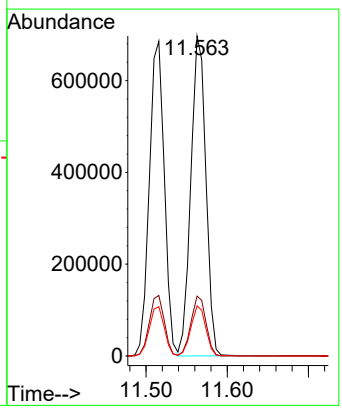


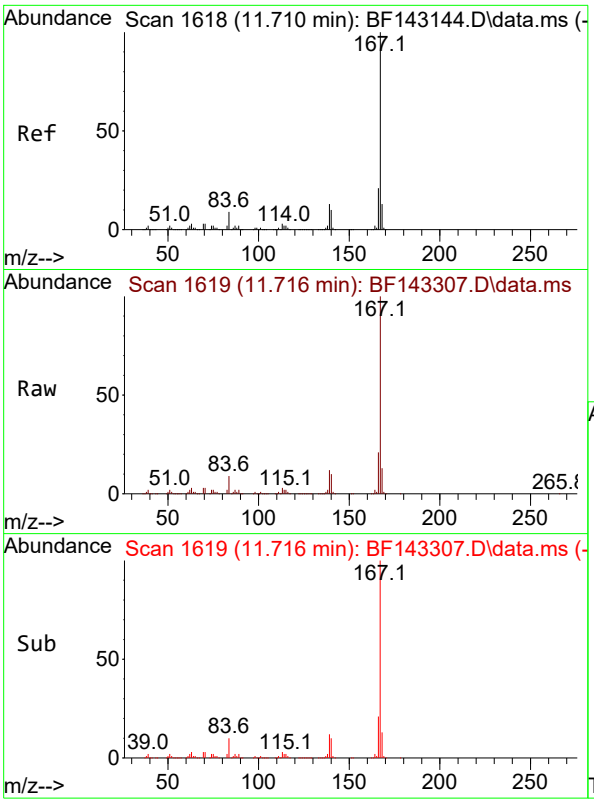


#72
Anthracene
Concen: 45.272 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:178 Resp: 897867

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.5	18.7





#73
Carbazole
Concen: 45.901 ng
RT: 11.716 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

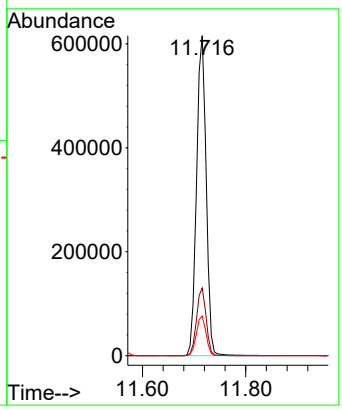
Tgt Ion:167 Resp: 79489

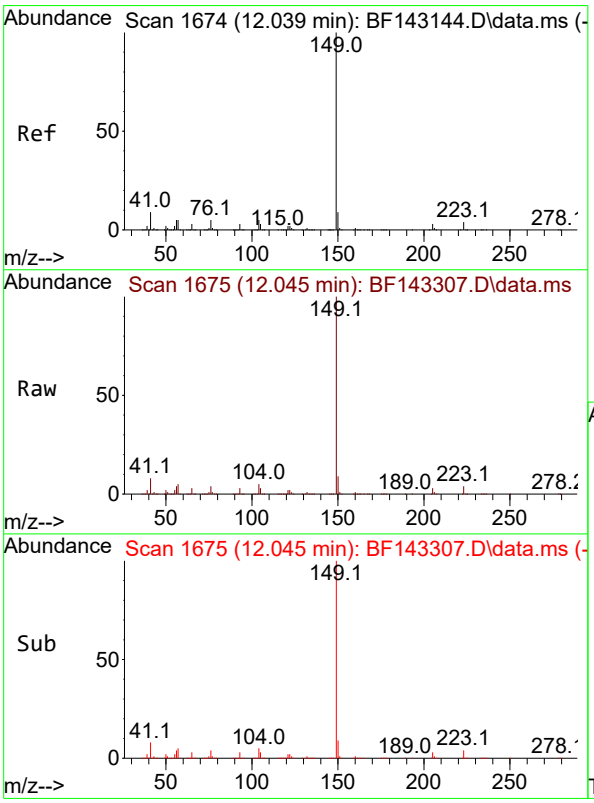
Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.4	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

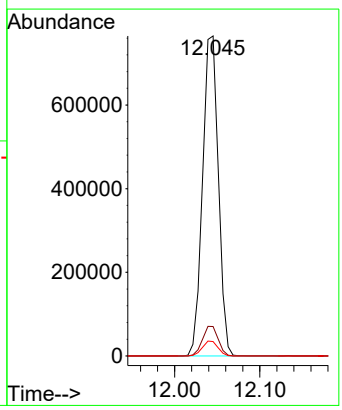


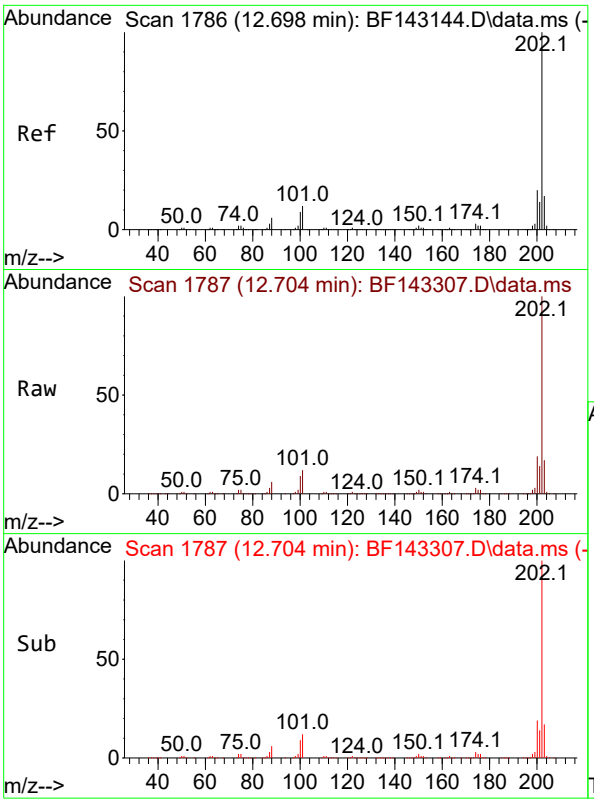


#74
Di-n-butylphthalate
Concen: 50.294 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 985524

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.5	3.8	5.8





#75
Fluoranthene
Concen: 47.646 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

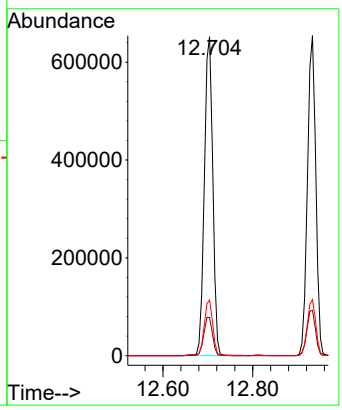
Tgt Ion:202 Resp: 85043

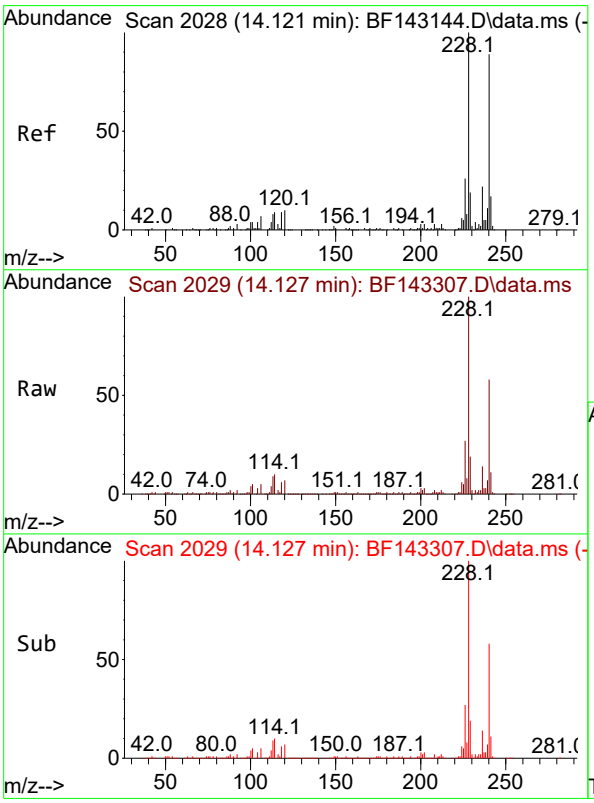
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.7
203	17.4	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

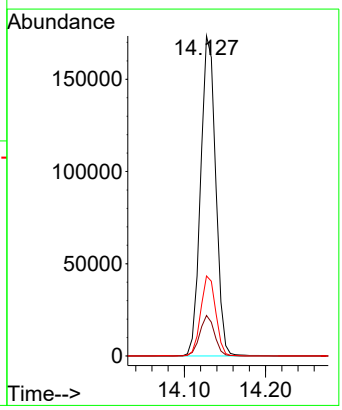


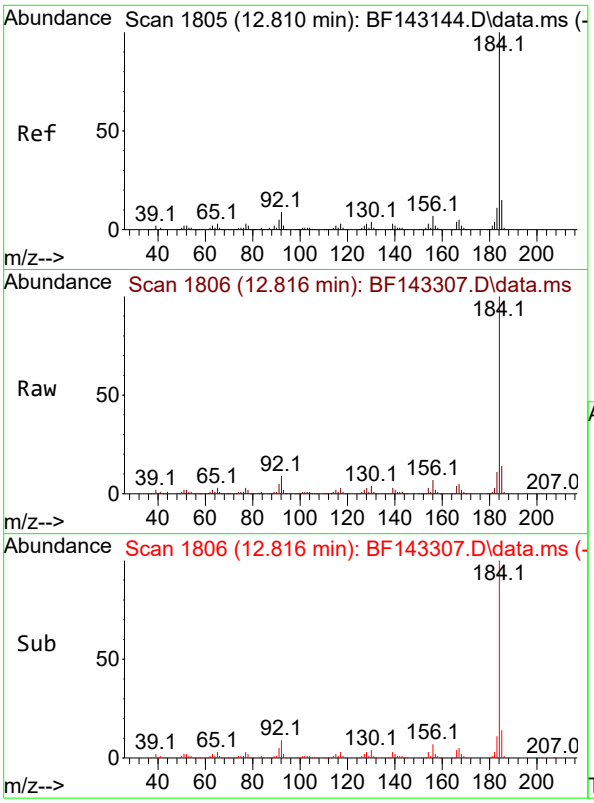


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:240 Resp: 223170

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.4	14.2
236	25.0	20.2	30.4





#77
Benzidine
Concen: 39.905 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

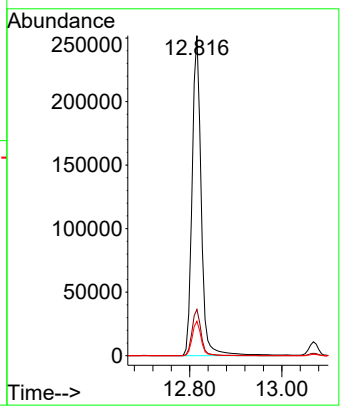
Tgt Ion:184 Resp: 34310

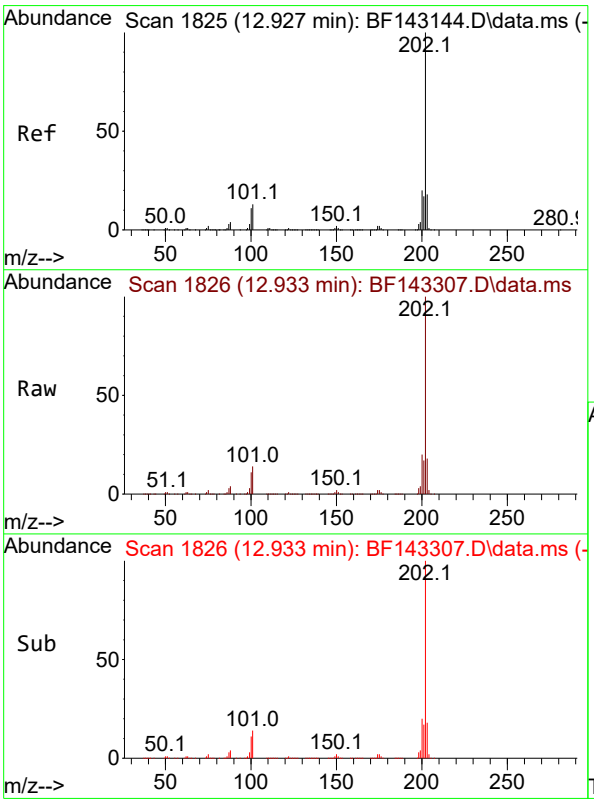
Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.2	18.4
183	10.8	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

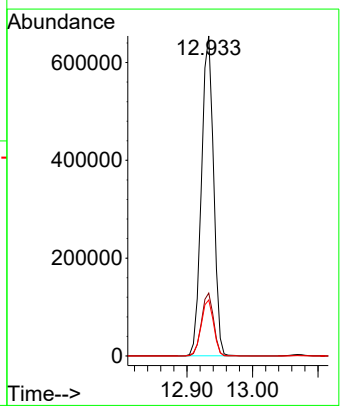


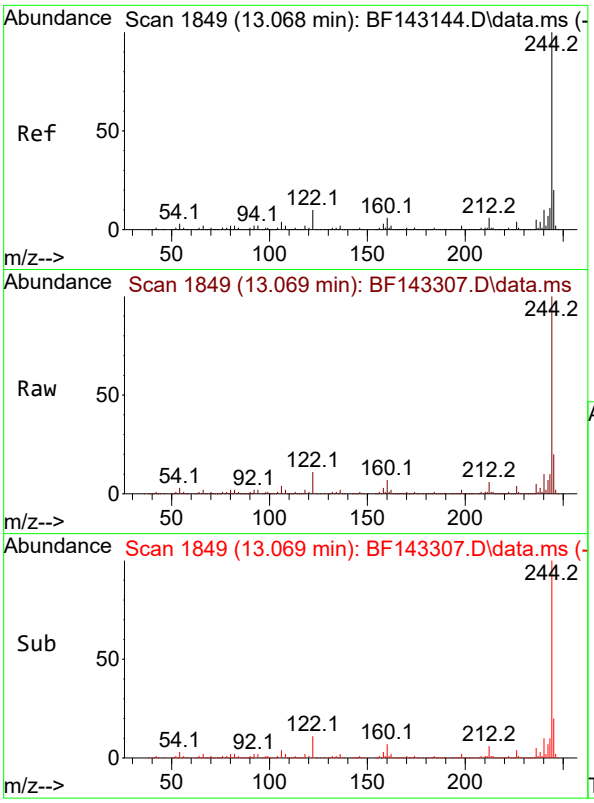


#78
Pyrene
Concen: 44.329 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:202 Resp: 844315

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.5	14.2	21.2





#79
Terphenyl-d14
Concen: 80.342 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

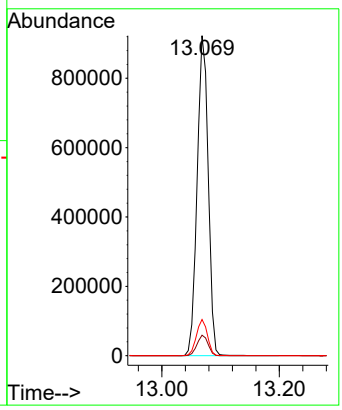
Tgt Ion:244 Resp: 120487

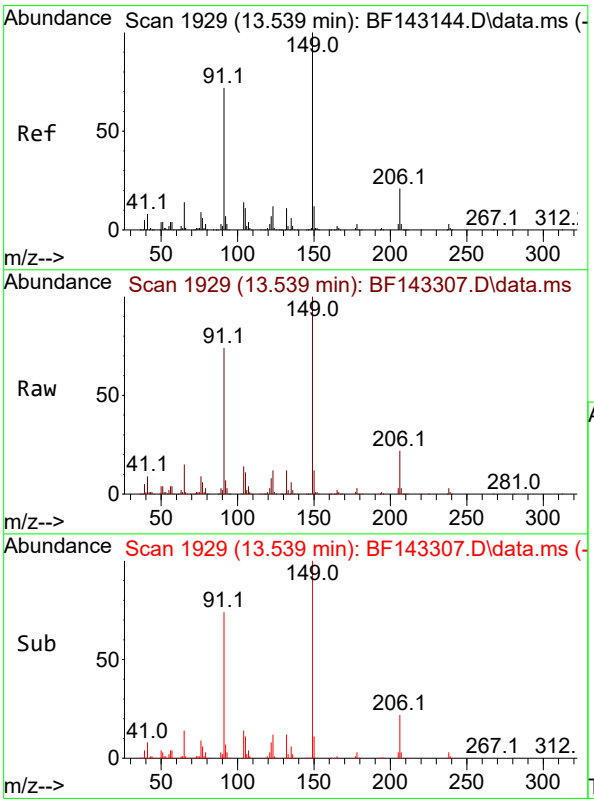
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.3	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

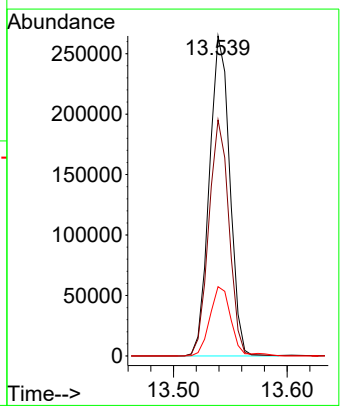


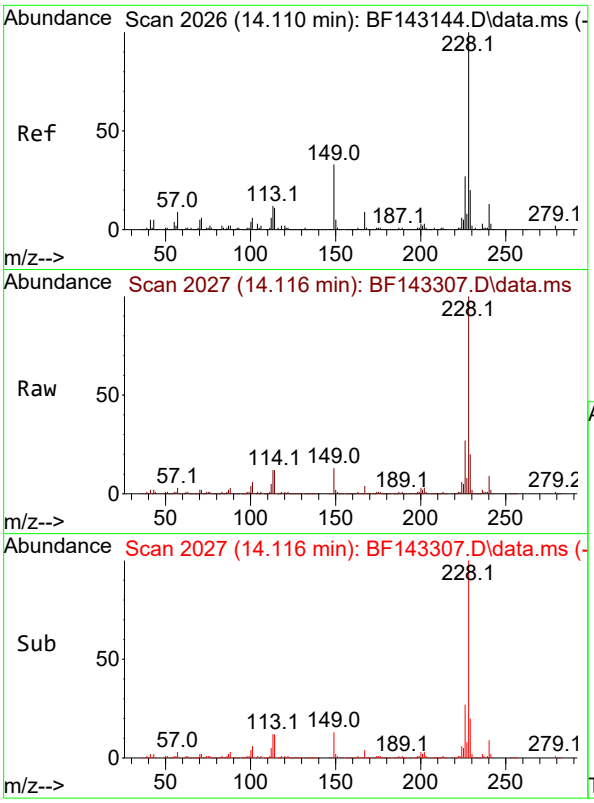


#80
Butylbenzylphthalate
Concen: 56.680 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 330575

Ion	Ratio	Lower	Upper
149	100		
91	73.8	57.9	86.9
206	21.7	17.0	25.4





#81
Benzo(a)anthracene
Concen: 46.891 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

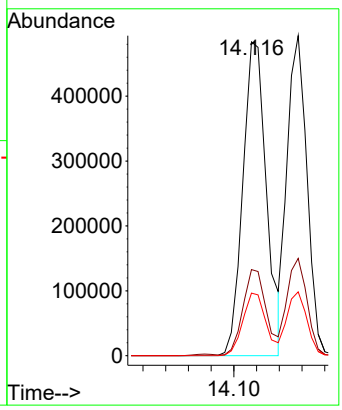
Tgt Ion:228 Resp: 70061

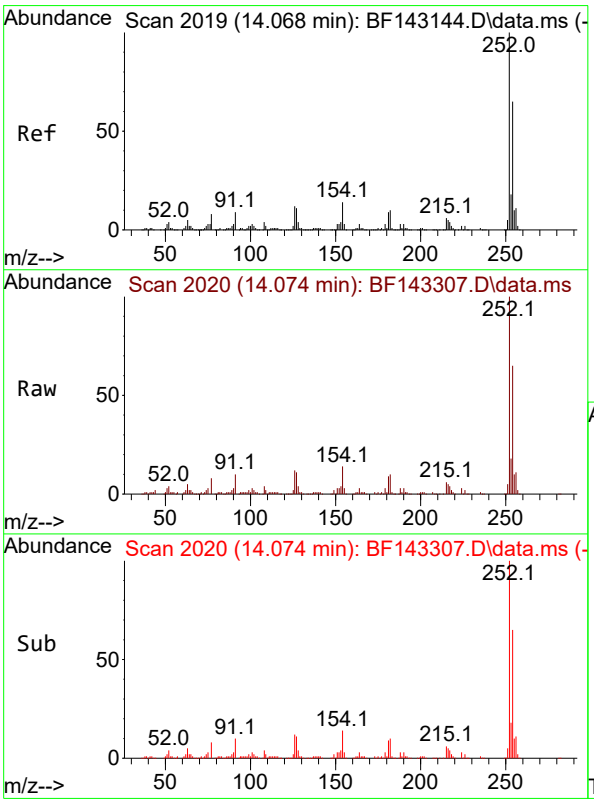
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.0	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

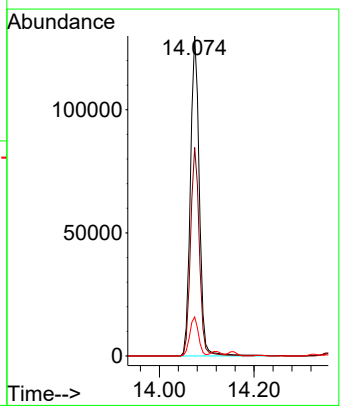


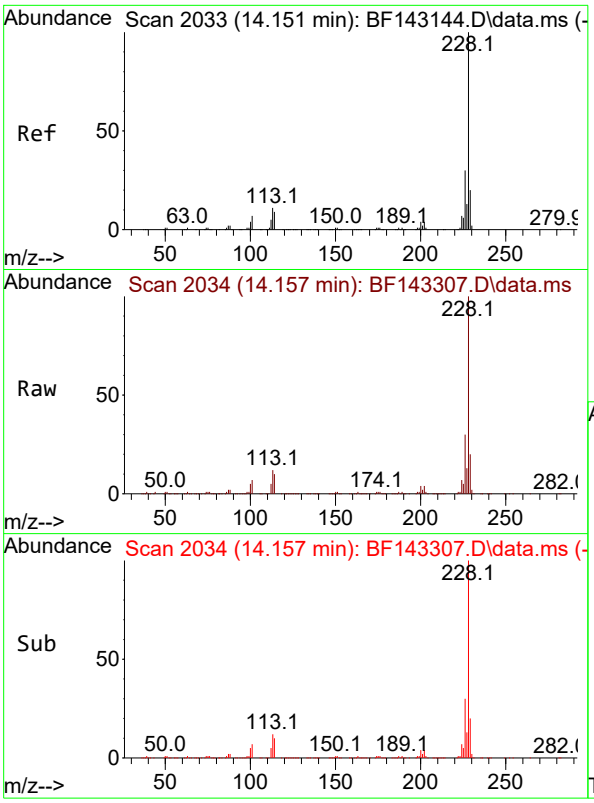


#82
3,3'-Dichlorobenzidine
Concen: 34.132 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:252 Resp: 169971

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	12.2	9.4	14.0





#83
Chrysene
Concen: 44.779 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

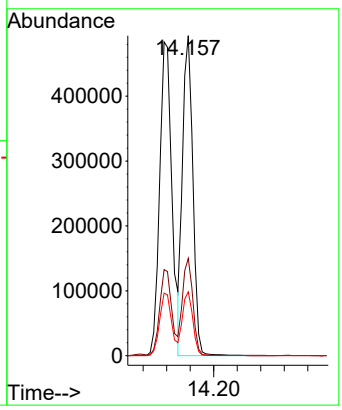
Tgt Ion:228 Resp: 60153

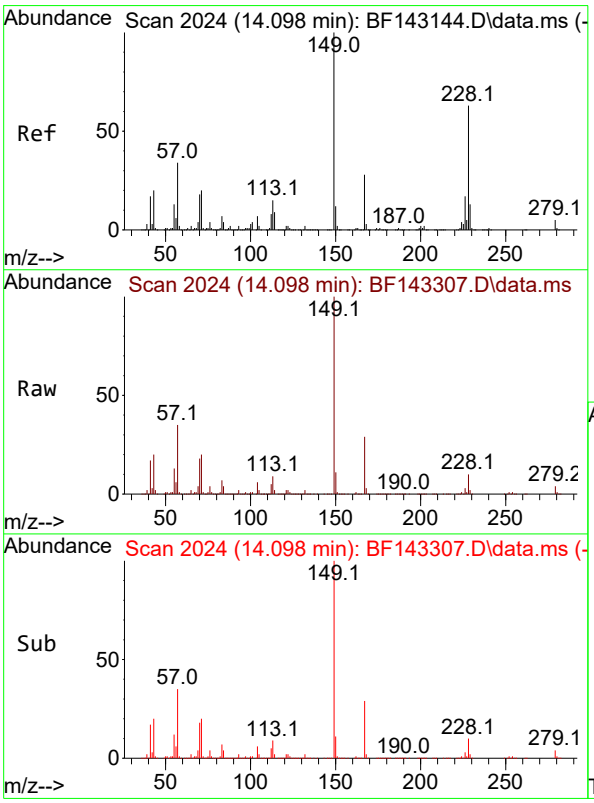
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.8
229	19.9	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

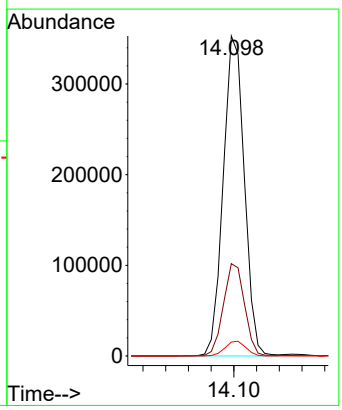


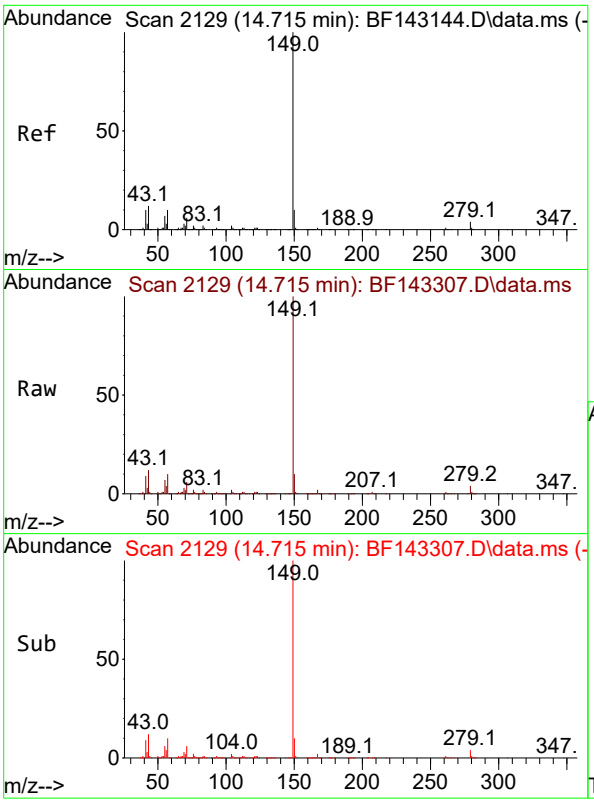


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.650 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 455949

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.3	33.5
279	4.3	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 47.779 ng
RT: 14.715 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

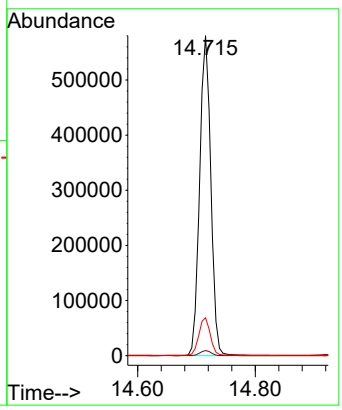
Tgt Ion:149 Resp: 76452

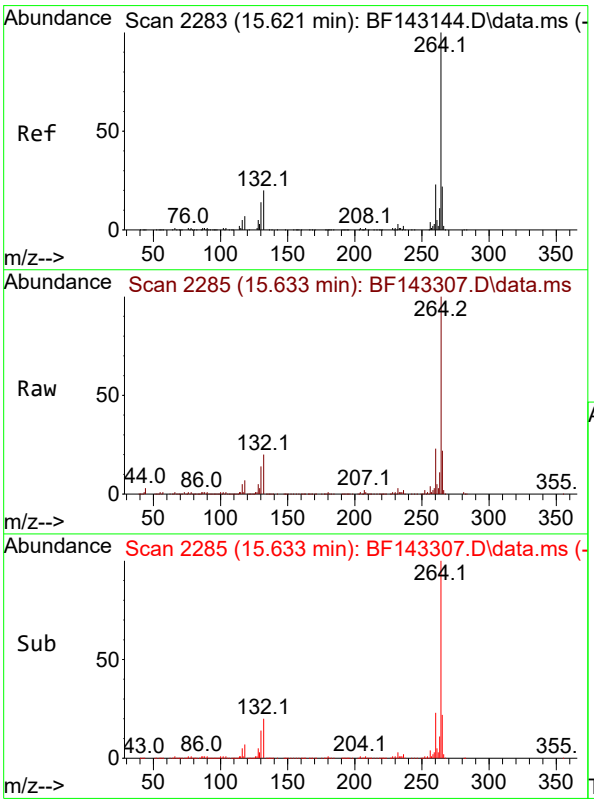
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7#
43	12.0	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

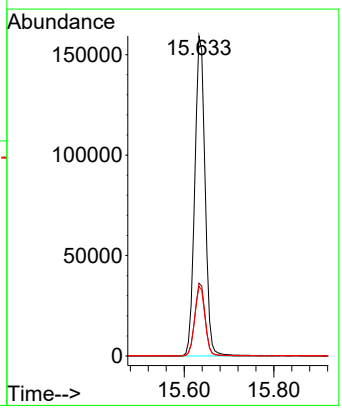


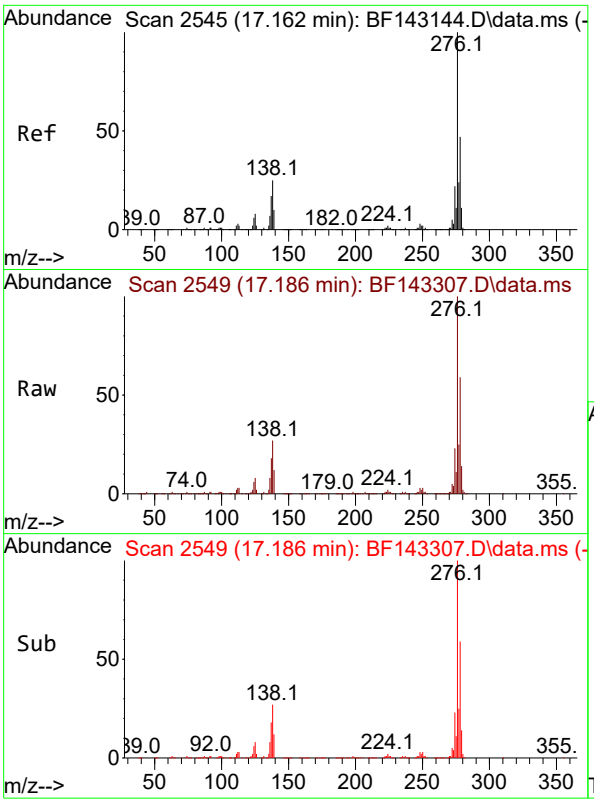


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:264 Resp: 254386

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.7	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 45.927 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

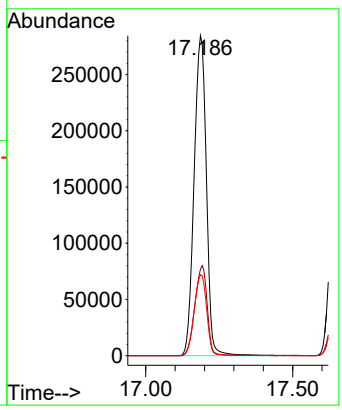
Tgt Ion:276 Resp: 82382

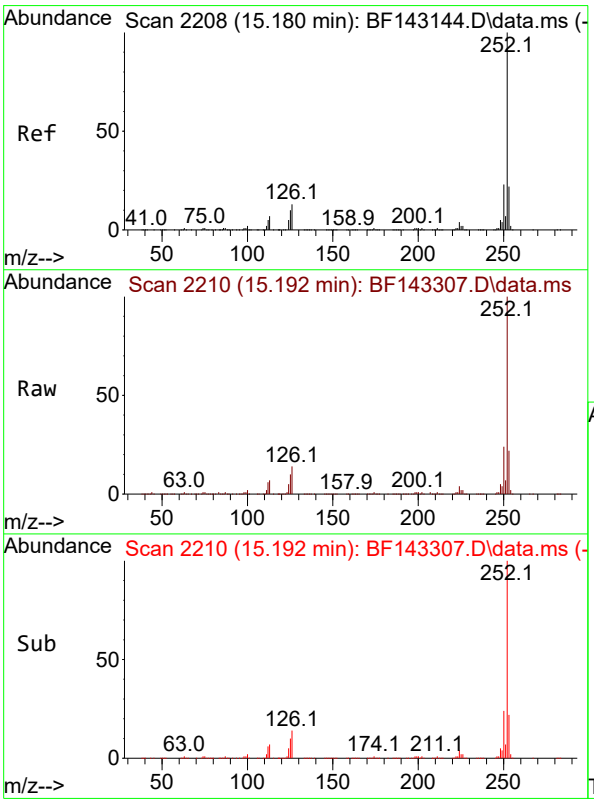
Ion	Ratio	Lower	Upper
276	100		
138	28.4	21.8	32.6
277	25.7	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

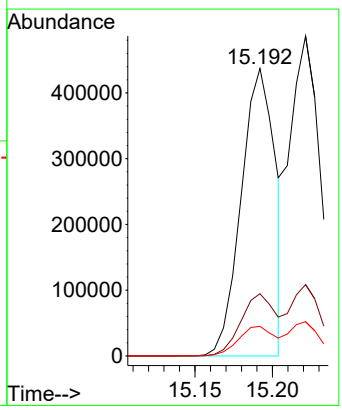


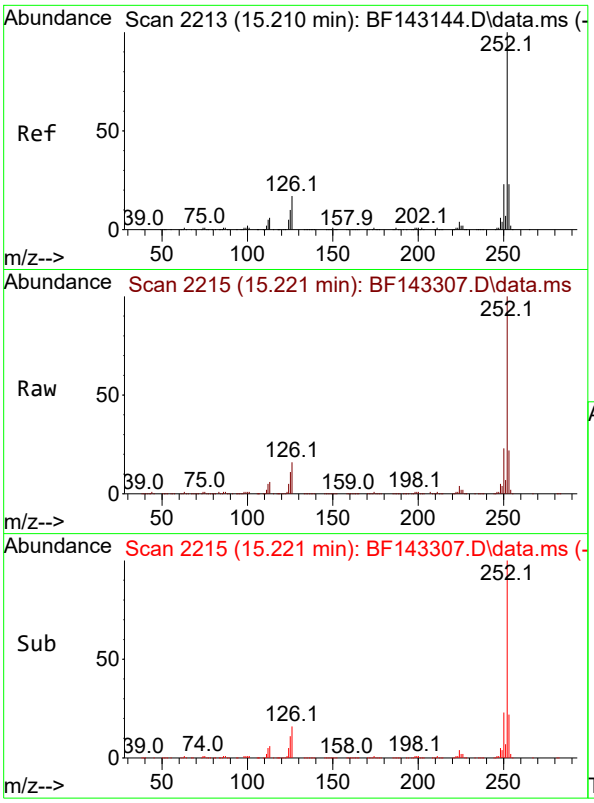


#88
Benzo(b)fluoranthene
Concen: 42.865 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:252 Resp: 666144

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.3	8.0	12.0





#89
Benzo(k)fluoranthene
Concen: 48.315 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

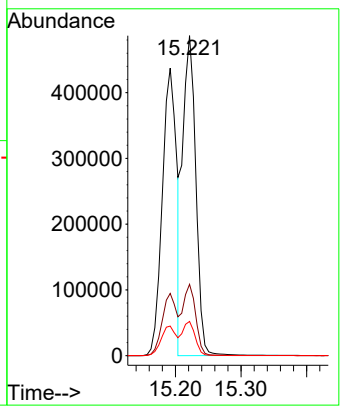
Tgt Ion:252 Resp: 670019

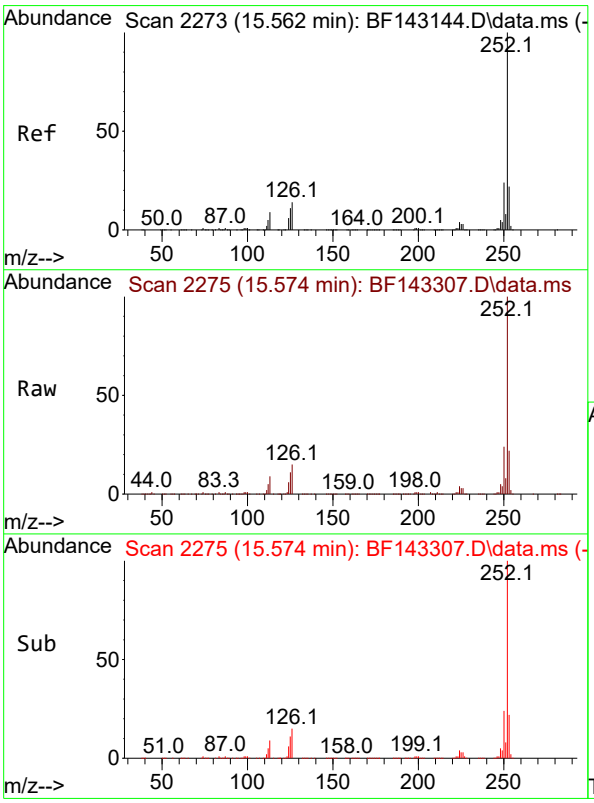
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.7	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

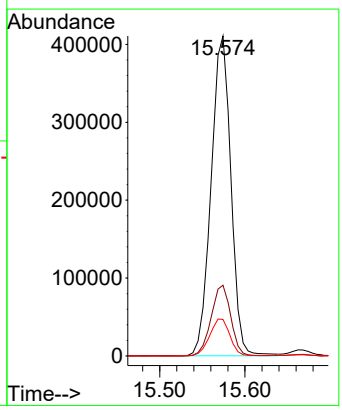


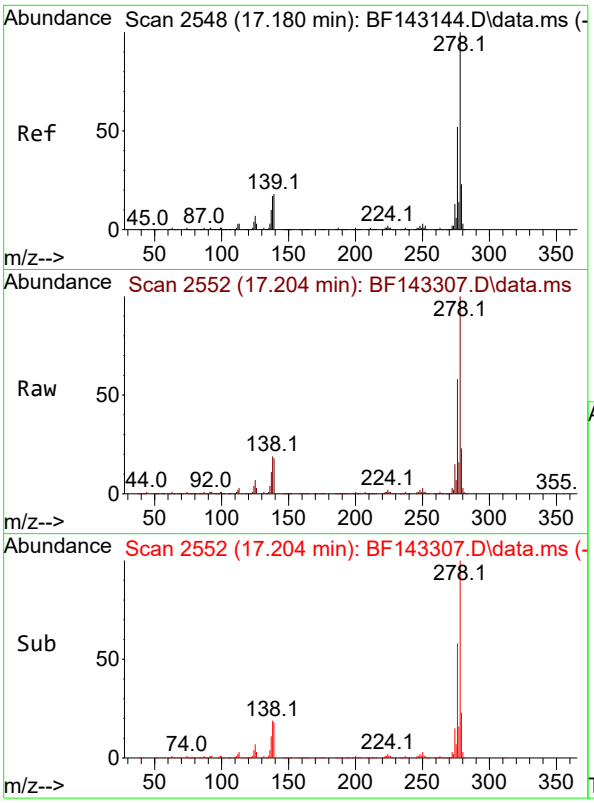


#90
Benzo(a)pyrene
Concen: 46.330 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:252 Resp: 663370

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	11.4	8.6	13.0





#91
Dibenzo(a,h)anthracene
Concen: 45.952 ng
RT: 17.204 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

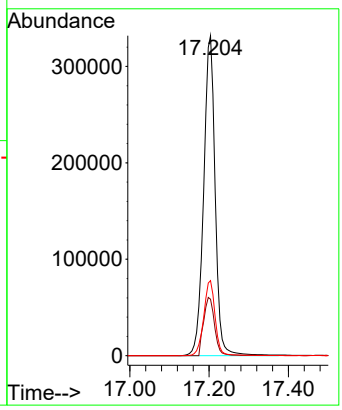
Tgt Ion:278 Resp: 67090

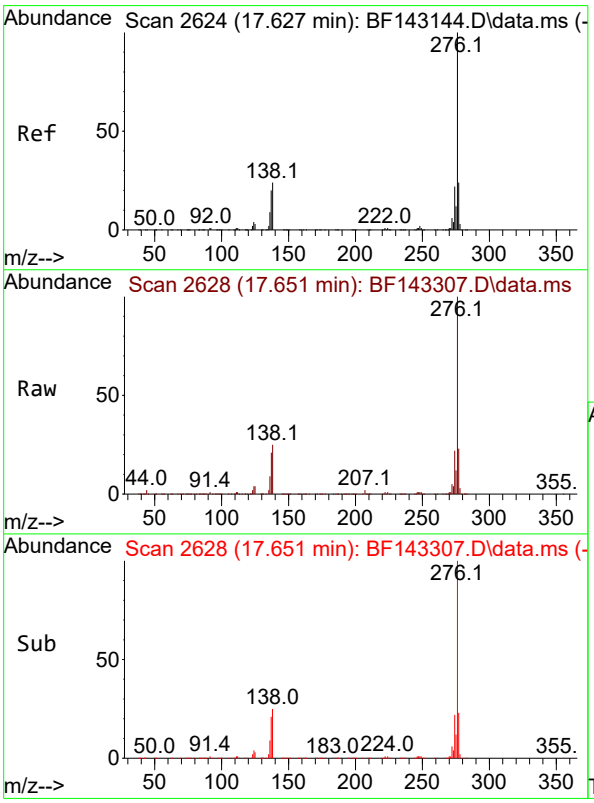
Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.1	21.1
279	23.4	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

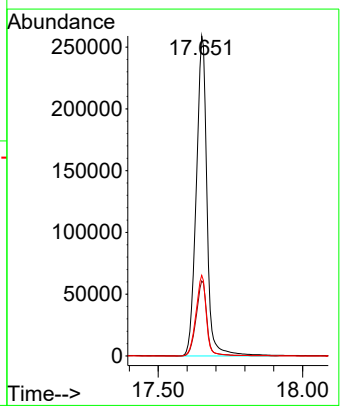




#92
Benzo(g,h,i)perylene
Concen: 47.170 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.024 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:276 Resp: 666185

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.1	28.7
138	25.2	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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MS	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.1
Sample Wt/Vol:	50.05 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
BF143313.D	2	08/04/25 09:20	08/05/25 13:59	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.88		0.030	0.17	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.87		0.034	0.17	0.23	mg/Kg
208-96-8	Acenaphthylene	0.88		0.039	0.17	0.23	mg/Kg
83-32-9	Acenaphthene	0.89		0.028	0.17	0.23	mg/Kg
86-73-7	Fluorene	0.86		0.034	0.17	0.23	mg/Kg
85-01-8	Phenanthrene	1.20		0.028	0.17	0.23	mg/Kg
120-12-7	Anthracene	0.97		0.044	0.17	0.23	mg/Kg
206-44-0	Fluoranthene	2.00		0.040	0.17	0.23	mg/Kg
129-00-0	Pyrene	1.50		0.048	0.17	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	1.40		0.031	0.17	0.23	mg/Kg
218-01-9	Chrysene	1.30		0.027	0.17	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.50		0.025	0.17	0.23	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.30		0.030	0.17	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	1.30		0.039	0.17	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.83		0.039	0.17	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.73		0.037	0.17	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.86		0.034	0.17	0.23	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	56.4		37 - 122		56%	SPK: 100
321-60-8	2-Fluorobiphenyl	59.0		44 - 115		59%	SPK: 100
1718-51-0	Terphenyl-d14	47.0	*	54 - 127		47%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	131000	6.963				
1146-65-2	Naphthalene-d8	486000	8.245				
15067-26-2	Acenaphthene-d10	225000	10.004				
1517-22-2	Phenanthrene-d10	312000	11.486				
1719-03-5	Chrysene-d12	241000	14.133				
1520-96-3	Perylene-d12	186000	15.645				

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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MS	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MS	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.1
Sample Wt/Vol:	50.05 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
BF143313.D	2	08/04/25 09:20	08/05/25 13:59	PB169095

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\BF080525\
Data File : BF143313.D
Acq On : 05 Aug 2025 13:59
Operator : RC/JU
Sample : Q2734-01MS 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 05 14:26:04 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 :
VNJ-253MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	130860	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	486158	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	224868	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	312204	20.000	ng		0.00
76) Chrysene-d12	14.133	240	241353	20.000	ng		0.01
86) Perylene-d12	15.645	264	186398	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.598	112	333444	40.323	ng		0.01
7) Phenol-d6	6.592	99	435211	41.813	ng		0.00
23) Nitrobenzene-d5	7.516	82	275271	28.224	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	83476	35.934	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	484848	29.488	ng		0.00
79) Terphenyl-d14	13.069	244	381121	23.499	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	65474	16.733	ng		99
3) Pyridine	3.604	79	164496	16.197	ng		98
4) n-Nitrosodimethylamine	3.528	42	97480	18.590	ng		97
6) Aniline	6.622	93	84409	5.819	ng	#	83
8) 2-Chlorophenol	6.751	128	169608	19.567	ng		97
9) Benzaldehyde	6.510	77	105300	13.492	ng		98
10) Phenol	6.604	94	218878	19.303	ng		100
11) bis(2-Chloroethyl)ether	6.692	93	182838	21.060	ng		97
12) 1,3-Dichlorobenzene	6.904	146	177685	18.870	ng		100
13) 1,4-Dichlorobenzene	6.981	146	179746	18.955	ng		99
14) 1,2-Dichlorobenzene	7.134	146	173303	19.215	ng		99
15) Benzyl Alcohol	7.098	79	153915	19.367	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	318887	19.800	ng		97
17) 2-Methylphenol	7.216	107	139737	19.173	ng		99
18) Hexachloroethane	7.481	117	52594	16.021	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	126399	18.928	ng		98
20) 3+4-Methylphenols	7.363	107	176660	19.978	ng	#	69
22) Acetophenone	7.363	105	234736	20.394	ng	#	95
24) Nitrobenzene	7.539	77	185250	20.373	ng		100
25) Isophorone	7.781	82	345353	20.059	ng		98
26) 2-Nitrophenol	7.857	139	89217	22.608	ng		99
27) 2,4-Dimethylphenol	7.892	122	154952m	19.263	ng		
28) bis(2-Chloroethoxy)met...	7.986	93	211672	20.505	ng		99
29) 2,4-Dichlorophenol	8.104	162	128258	18.907	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	142684	19.469	ng		100
31) Naphthalene	8.269	128	477055	19.925	ng		100
32) Benzoic acid	7.981	122	80819	21.090	ng		99
33) 4-Chloroaniline	8.310	127	52381	5.358	ng		99
34) Hexachlorobutadiene	8.386	225	85967	19.202	ng		99
35) Caprolactam	8.657	113	42764	20.861	ng		96
36) 4-Chloro-3-methylphenol	8.792	107	135660	18.399	ng		97
37) 2-Methylnaphthalene	8.957	142	284935	19.557	ng		100
38) 1-Methylnaphthalene	9.057	142	292390	19.489	ng		100
40) 1,2,4,5-Tetrachloroben...	9.122	216	139365	21.467	ng		98
41) Hexachlorocyclopentadiene	9.116	237	873	0.207	ng		92
43) 2,4,6-Trichlorophenol	9.233	196	84670	18.844	ng		97

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143313.D
Acq On : 05 Aug 2025 13:59
Operator : RC/JU
Sample : Q2734-01MS 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 05 14:26:04 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 :
VNJ-253MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	82644	18.388 ng		98
46) 1,1'-Biphenyl	9.422	154	382379	21.795 ng		99
47) 2-Chloronaphthalene	9.445	162	262793	20.244 ng		99
48) 2-Nitroaniline	9.533	65	88146	21.653 ng		98
49) Acenaphthylene	9.863	152	430327	19.781 ng		100
50) Dimethylphthalate	9.710	163	326052	22.245 ng		100
51) 2,6-Dinitrotoluene	9.775	165	64618	21.671 ng		96
52) Acenaphthene	10.033	154	257617	20.035 ng		97
53) 3-Nitroaniline	9.939	138	47291	13.560 ng		96
54) 2,4-Dinitrophenol	10.051	184	19195	19.684 ng	#	9
55) Dibenzofuran	10.204	168	370877	19.428 ng		99
56) 4-Nitrophenol	10.104	139	82334	31.613 ng		97
57) 2,4-Dinitrotoluene	10.175	165	77385	20.686 ng		99
58) Fluorene	10.551	166	277735	19.385 ng		100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	63002	16.922 ng		98
60) Diethylphthalate	10.416	149	305410	21.081 ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	139599	19.567 ng		99
62) 4-Nitroaniline	10.551	138	49643	16.608 ng		98
63) Azobenzene	10.698	77	295403	19.564 ng		97
65) 4,6-Dinitro-2-methylph...	10.586	198	15461	13.794 ng		90
66) n-Nitrosodiphenylamine	10.651	169	240384	21.866 ng		100
67) 4-Bromophenyl-phenylether	11.027	248	76580	20.583 ng		98
68) Hexachlorobenzene	11.104	284	69382	17.841 ng		99
69) Atrazine	11.180	200	68641	22.647 ng		100
70) Pentachlorophenol	11.292	266	72936	31.892 ng		98
71) Phenanthrene	11.516	178	453203	27.339 ng		100
72) Anthracene	11.563	178	368566	21.800 ng		99
73) Carbazole	11.716	167	318850	21.598 ng		100
74) Di-n-butylphthalate	12.045	149	399160	23.896 ng		99
75) Fluoranthene	12.704	202	687059	45.155 ng		99
77) Benzidine	12.821	184	6918	0.744 ng	#	34
78) Pyrene	12.933	202	677000	32.867 ng		99
80) Butylbenzylphthalate	13.545	149	162294	25.730 ng		98
81) Benzo(a)anthracene	14.121	228	499986	30.942 ng		98
82) 3,3'-Dichlorobenzidine	14.080	252	58890	10.935 ng		99
83) Chrysene	14.157	228	438517	30.184 ng		98
84) Bis(2-ethylhexyl)phtha...	14.104	149	242982	25.451 ng		99
85) Di-n-octyl phthalate	14.721	149	393515	22.740 ng		100
87) Indeno(1,2,3-cd)pyrene	17.192	276	246288	18.738 ng		99
88) Benzo(b)fluoranthene	15.198	252	376253	33.042 ng	#	97
89) Benzo(k)fluoranthene	15.227	252	304157m	29.933 ng		
90) Benzo(a)pyrene	15.580	252	301255	28.714 ng	#	96
91) Dibenzo(a,h)anthracene	17.209	278	174886	16.348 ng		98
92) Benzo(g,h,i)perylene	17.662	276	200796	19.403 ng		99

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

Sample Results: **BF143313.D**

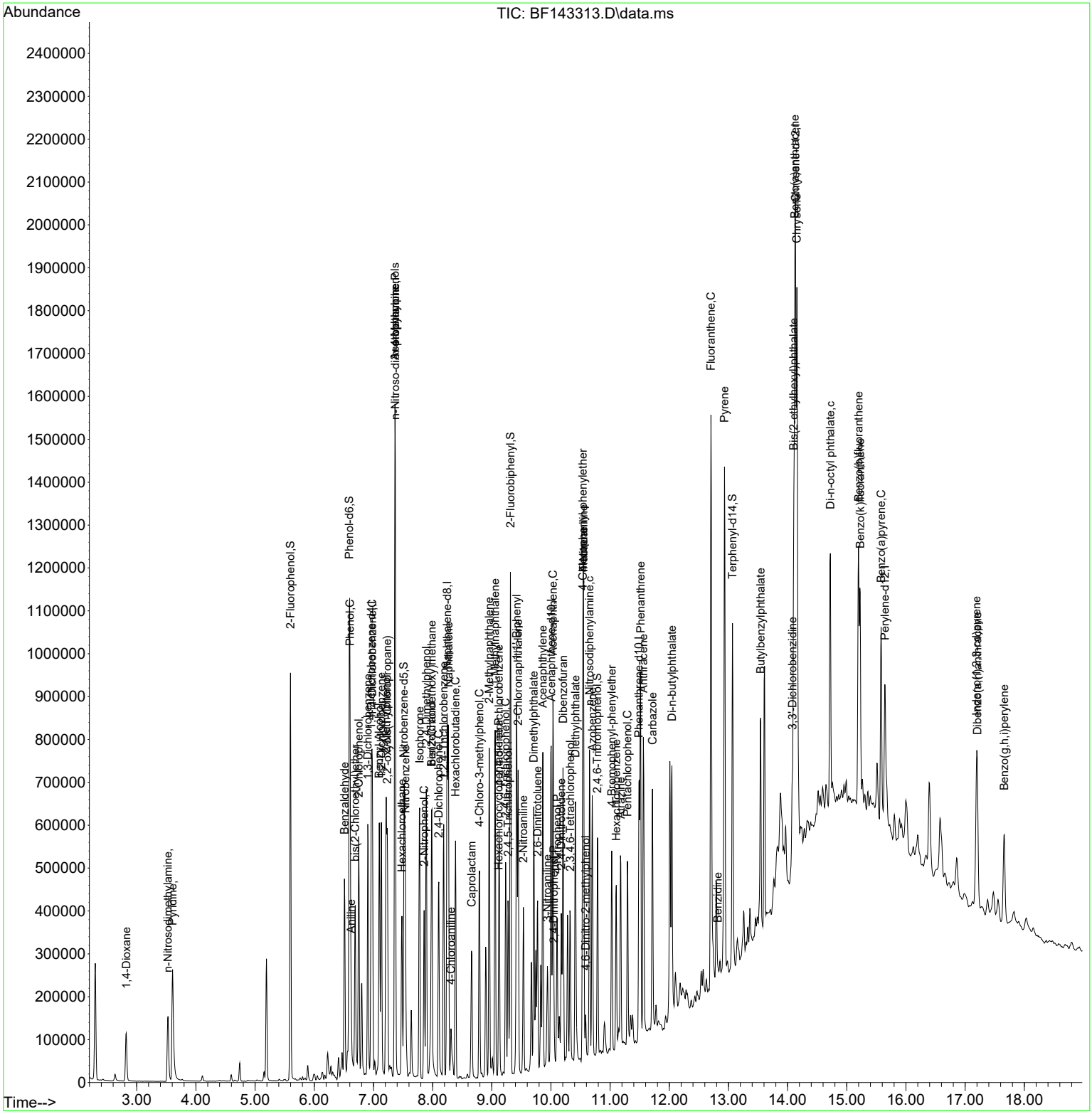
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143313.D
Acq On : 05 Aug 2025 13:59
Operator : RC/JU
Sample : Q2734-01MS 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

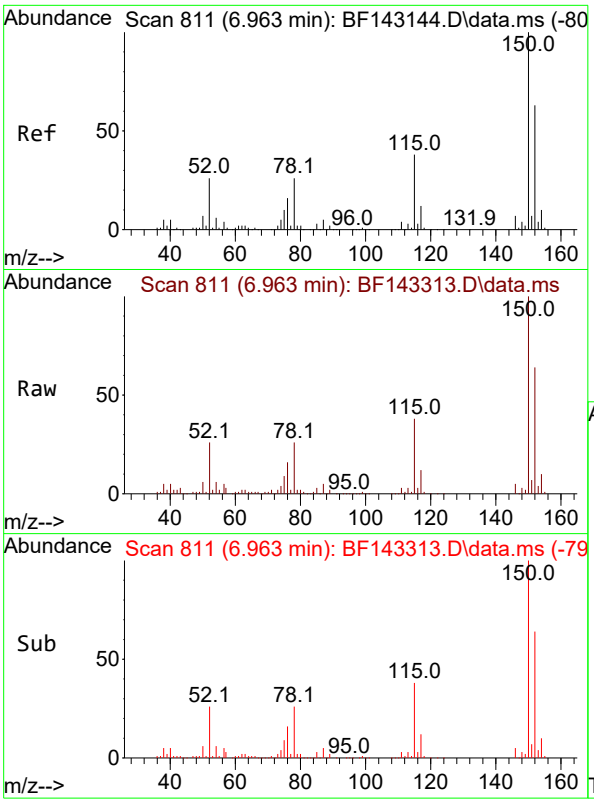
Quant Time: Aug 05 14:26:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

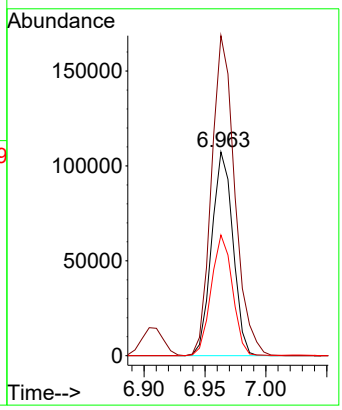
Tgt Ion:152 Resp: 13086

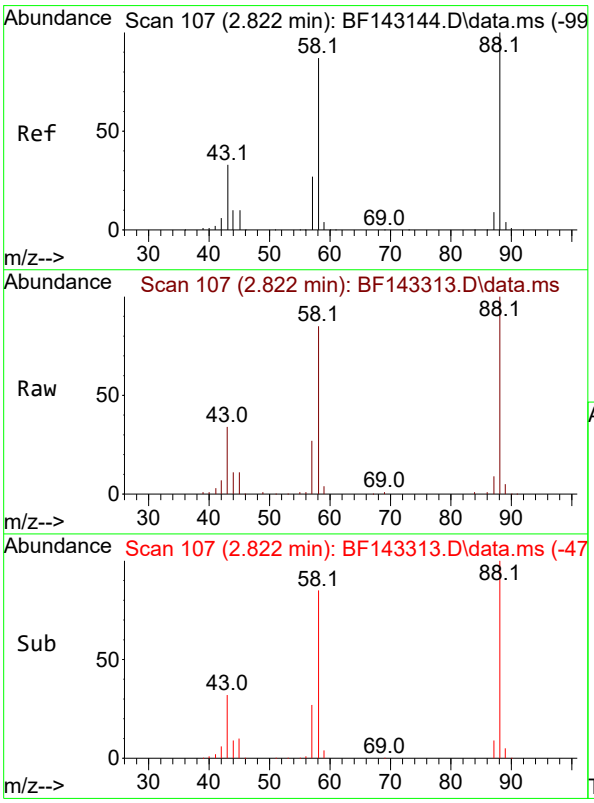
Ion	Ratio	Lower	Upper
152	100		
150	157.1	128.2	192.4
115	59.2	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

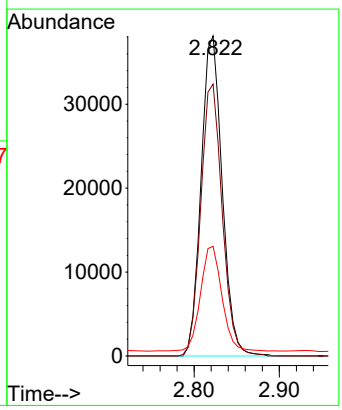


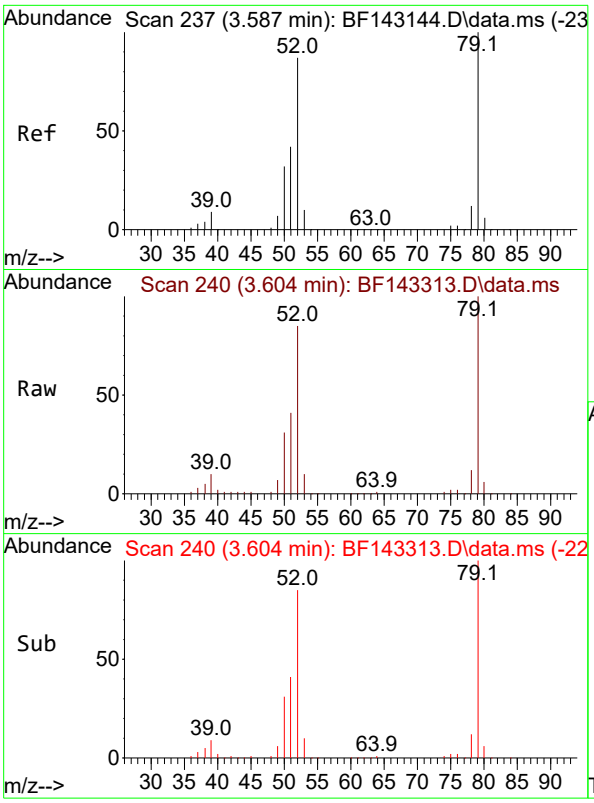


#2
1,4-Dioxane
Concen: 16.733 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 88 Resp: 65474

Ion	Ratio	Lower	Upper
88	100		
58	86.6	70.2	105.2
43	33.1	27.1	40.7





#3
Pyridine
Concen: 16.197 ng
RT: 3.604 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

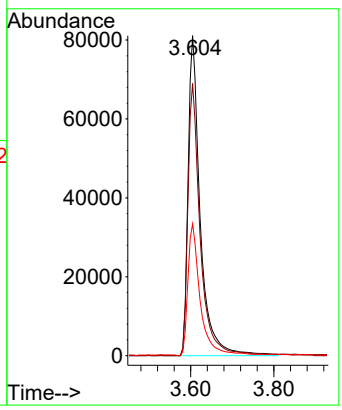
Tgt Ion: 79 Resp: 16449

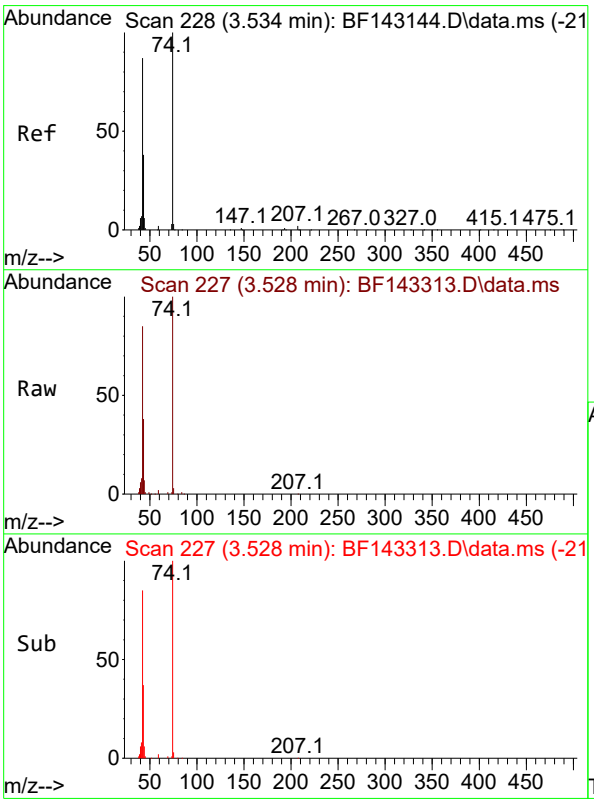
Ion	Ratio	Lower	Upper
79	100		
52	85.1	69.4	104.2
51	41.2	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

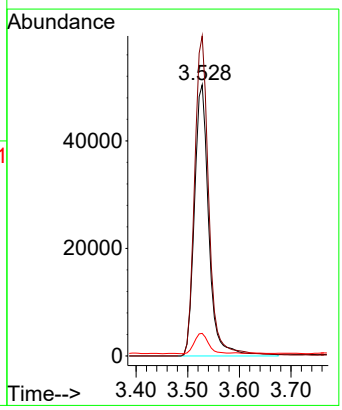


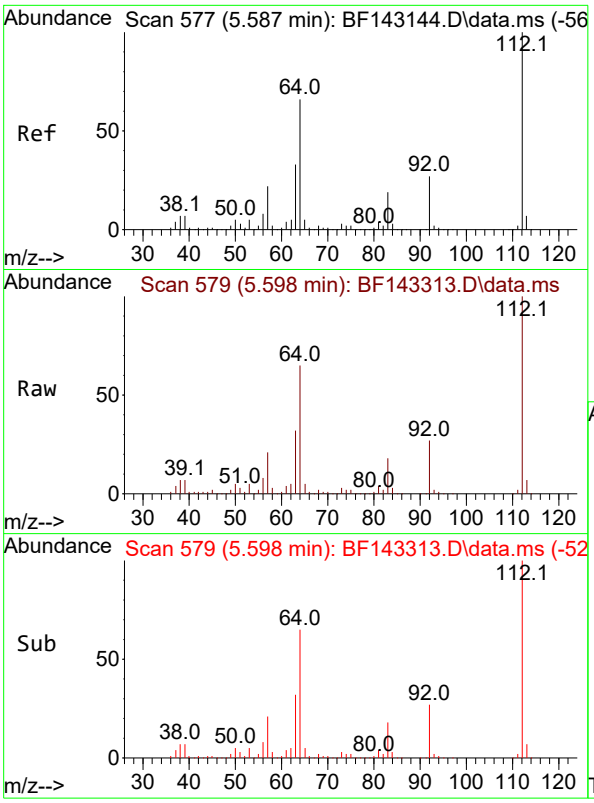


#4
n-Nitrosodimethylamine
Concen: 18.590 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 42 Resp: 97480

Ion	Ratio	Lower	Upper
42	100		
74	118.0	91.7	137.5
44	8.4	5.6	8.4





#5
2-Fluorophenol
Concen: 40.323 ng
RT: 5.598 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

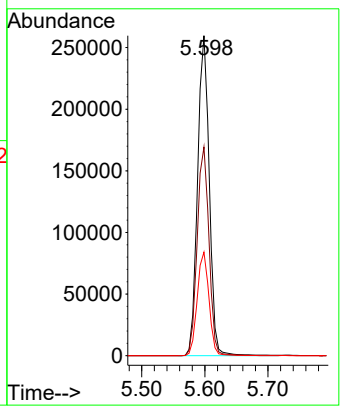
Tgt Ion:112 Resp: 33344

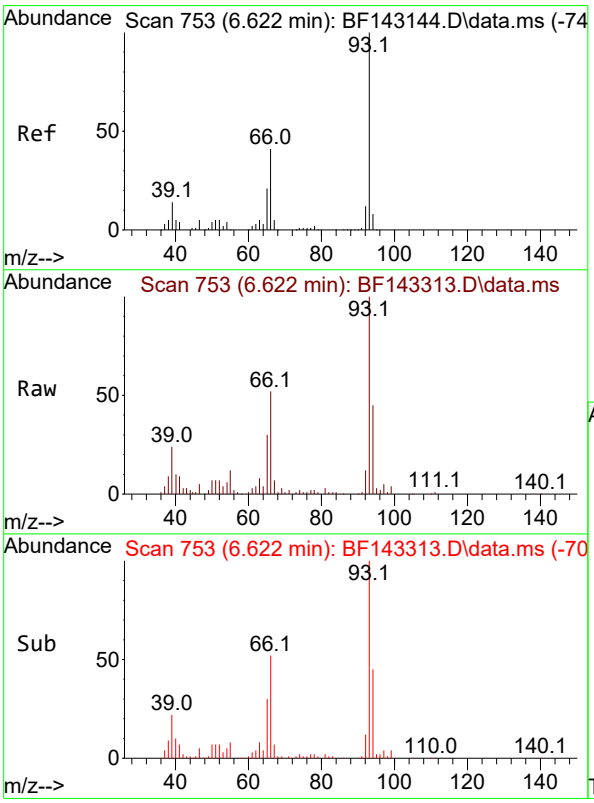
Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.1	79.7
63	32.4	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

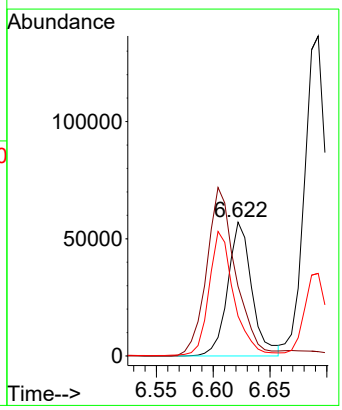


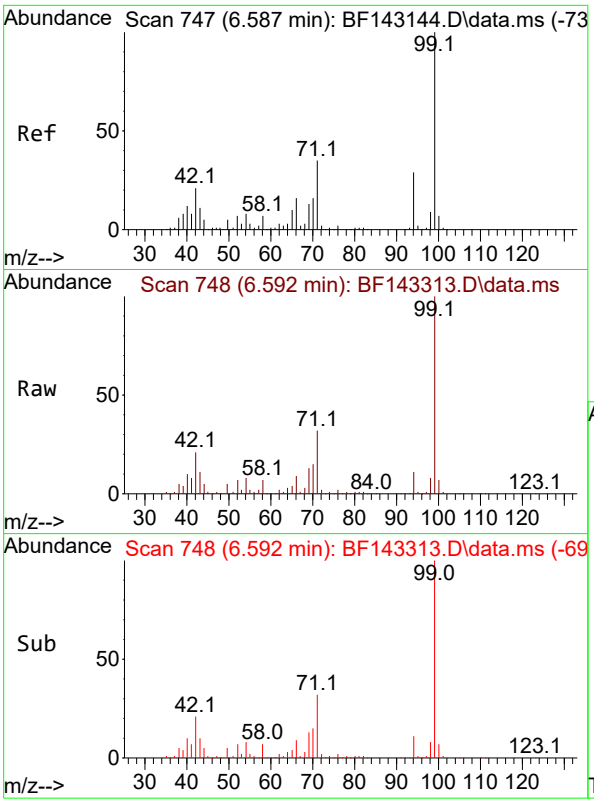


#6
Aniline
Concen: 5.819 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 93 Resp: 84409

Ion	Ratio	Lower	Upper
93	100		
66	52.0	33.2	49.8#
65	29.8	16.9	25.3#





#7
Phenol-d6
Concen: 41.813 ng
RT: 6.592 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

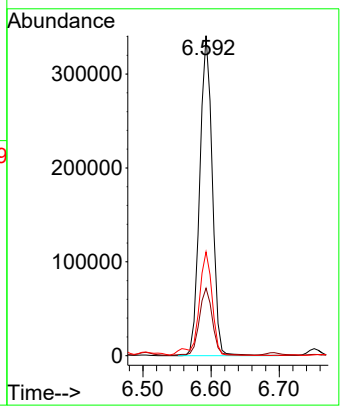
Tgt Ion: 99 Resp: 43521

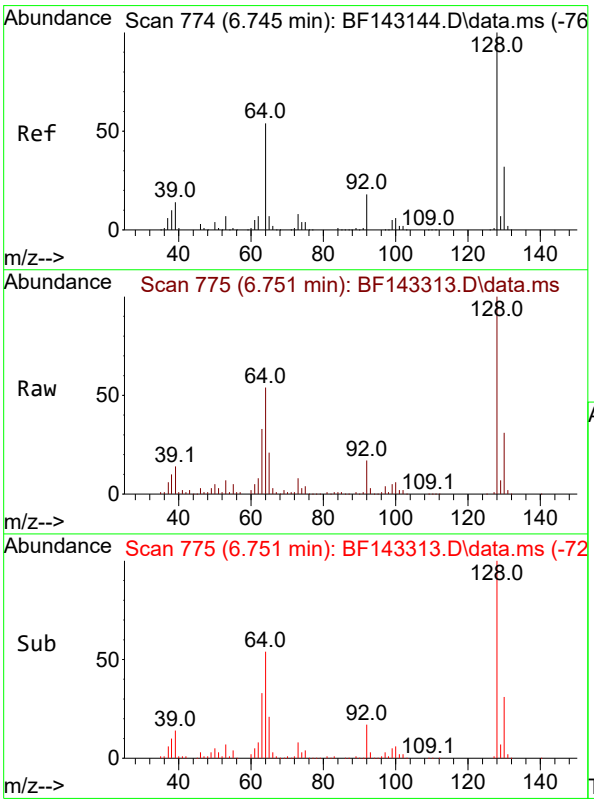
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	32.5	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

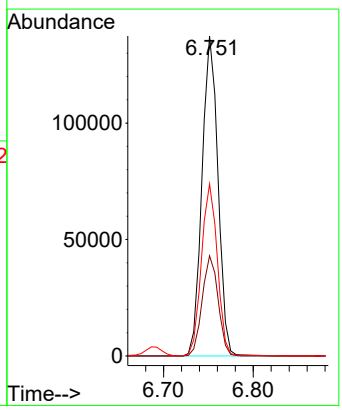


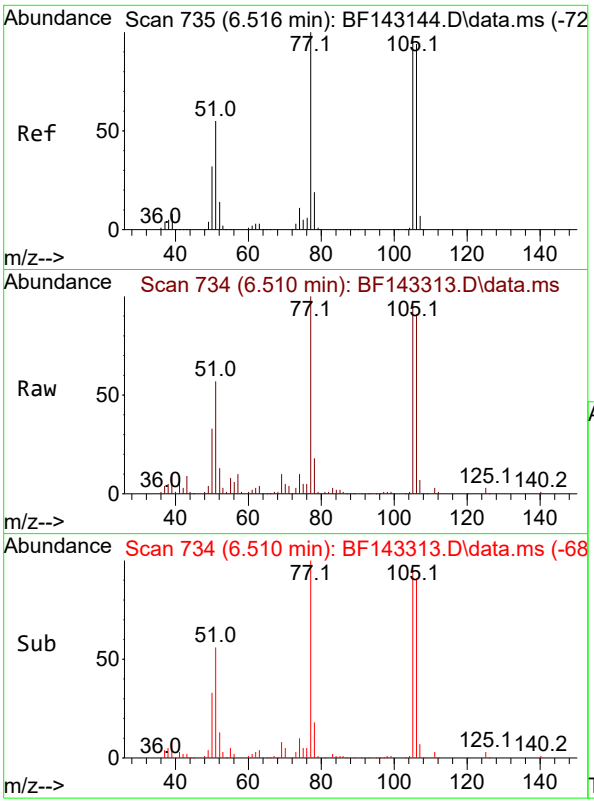


#8
2-Chlorophenol
Concen: 19.567 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:128 Resp: 169608

Ion	Ratio	Lower	Upper
128	100		
130	31.3	12.3	52.3
64	53.7	35.9	75.9





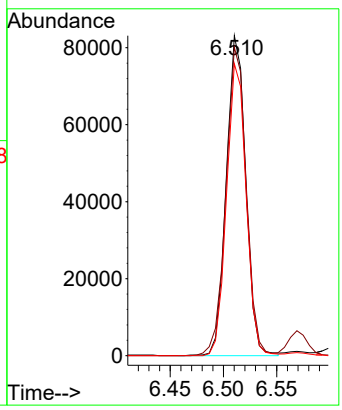
#9
Benzaldehyde
Concen: 13.492 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

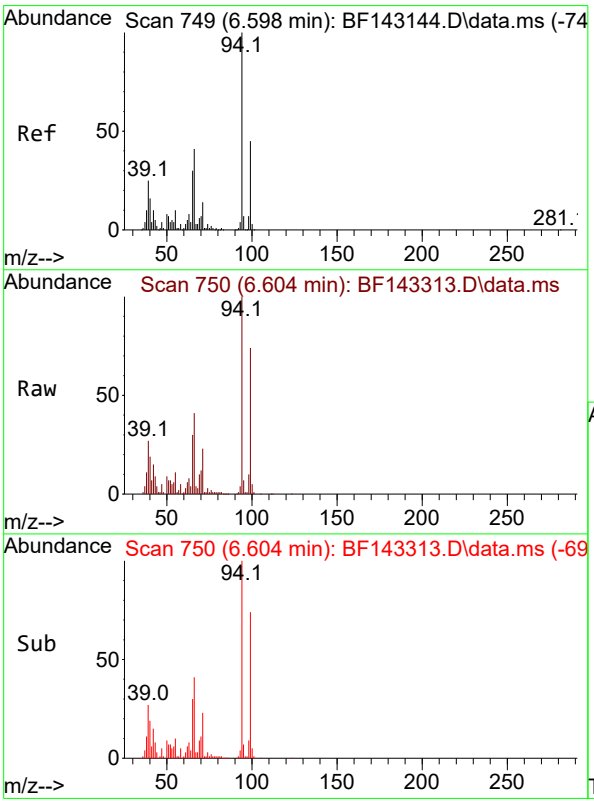
Tgt Ion: 77 Resp: 10530

Ion	Ratio	Lower	Upper
77	100		
105	96.3	76.8	116.8
106	91.2	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

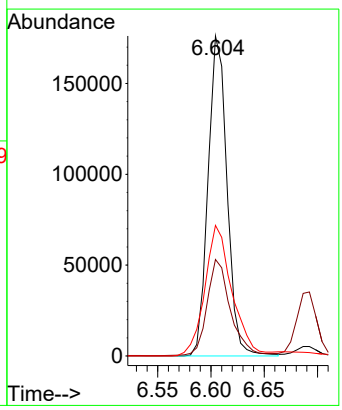


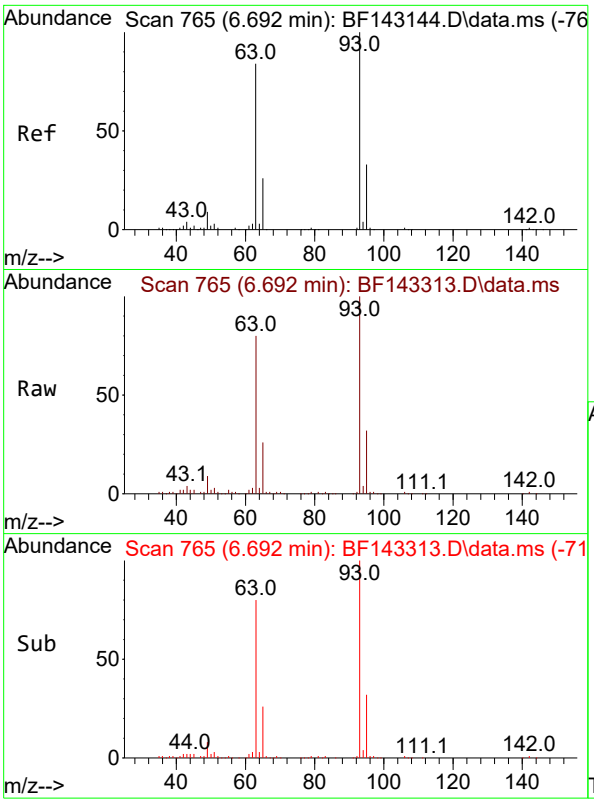


#10
Phenol
Concen: 19.303 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 94 Resp: 218878

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.0	50.0
66	40.8	20.8	60.8





#11
bis(2-Chloroethyl)ether
Concen: 21.060 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

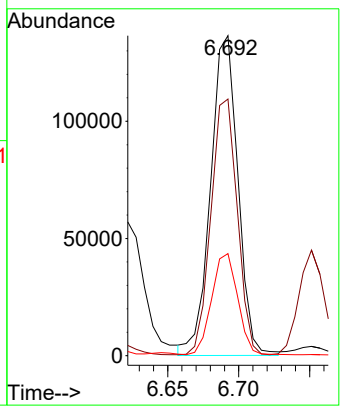
Tgt Ion: 93 Resp: 18283

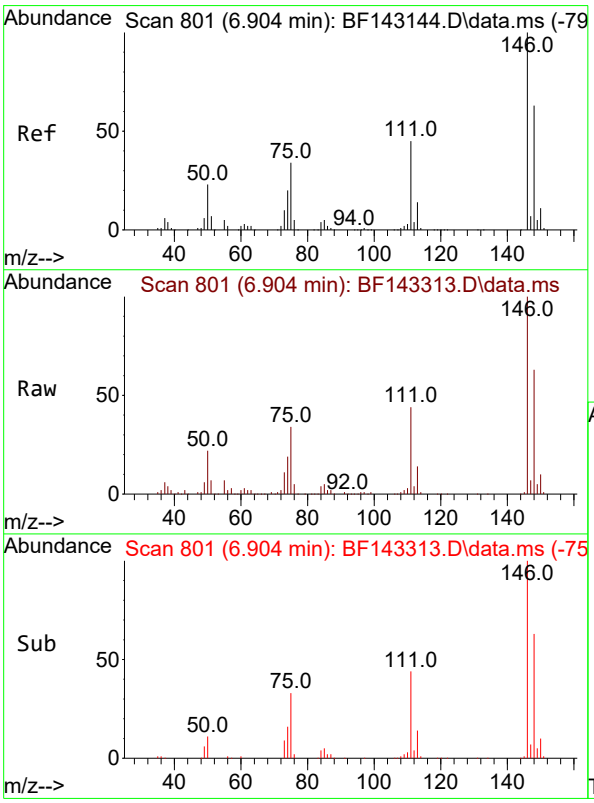
Ion	Ratio	Lower	Upper
93	100		
63	80.2	63.4	103.4
95	31.9	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

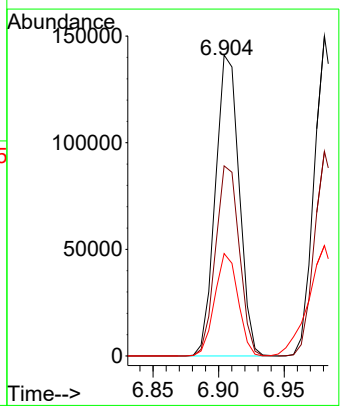


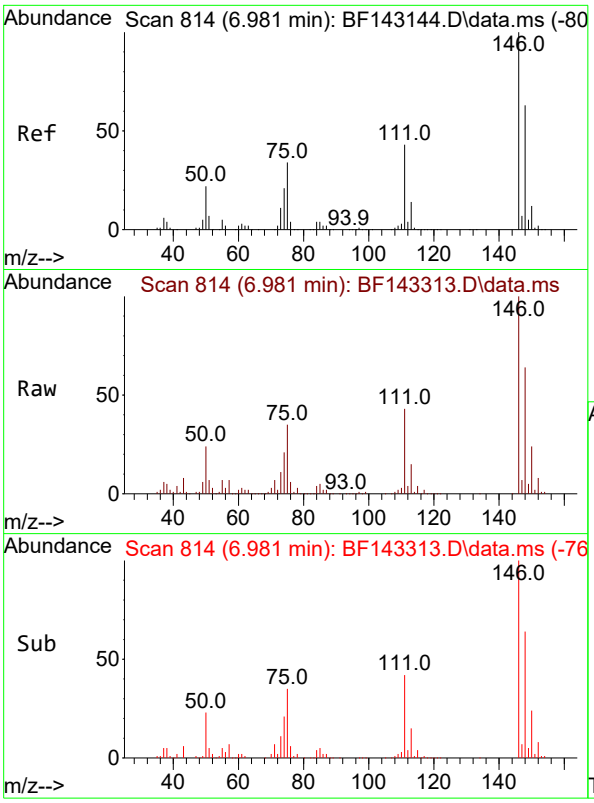


#12
1,3-Dichlorobenzene
Concen: 18.870 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:146 Resp: 177685

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
75	34.1	27.4	41.2





#13
1,4-Dichlorobenzene
Concen: 18.955 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

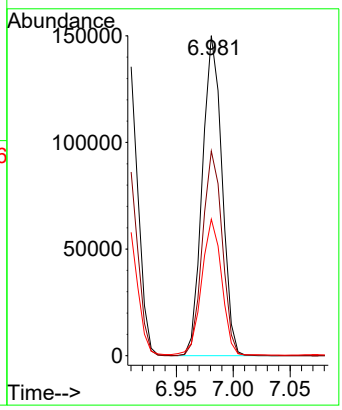
Tgt Ion:146 Resp: 17974

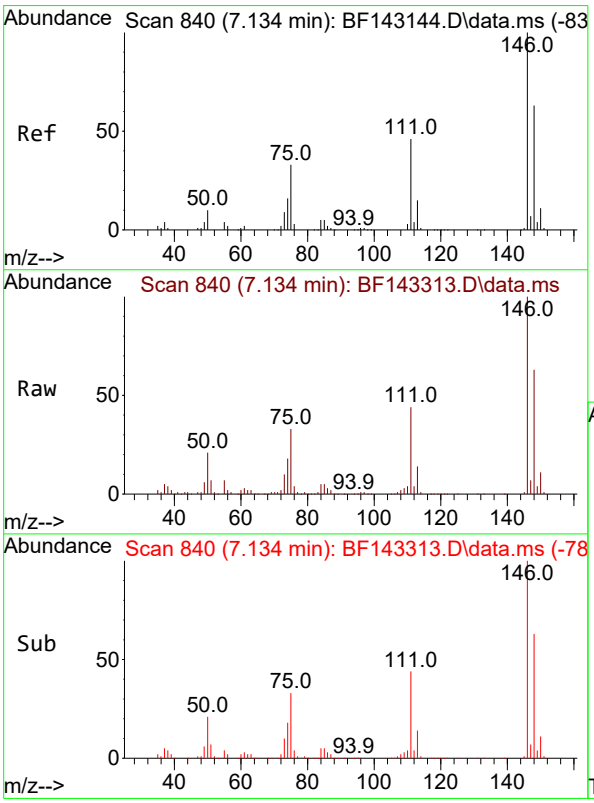
Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
111	42.6	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

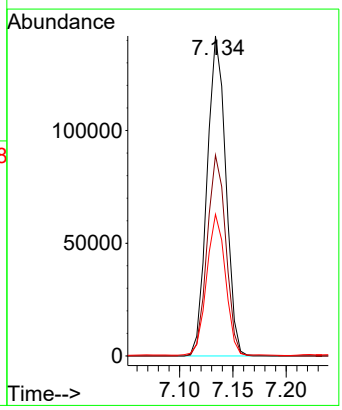


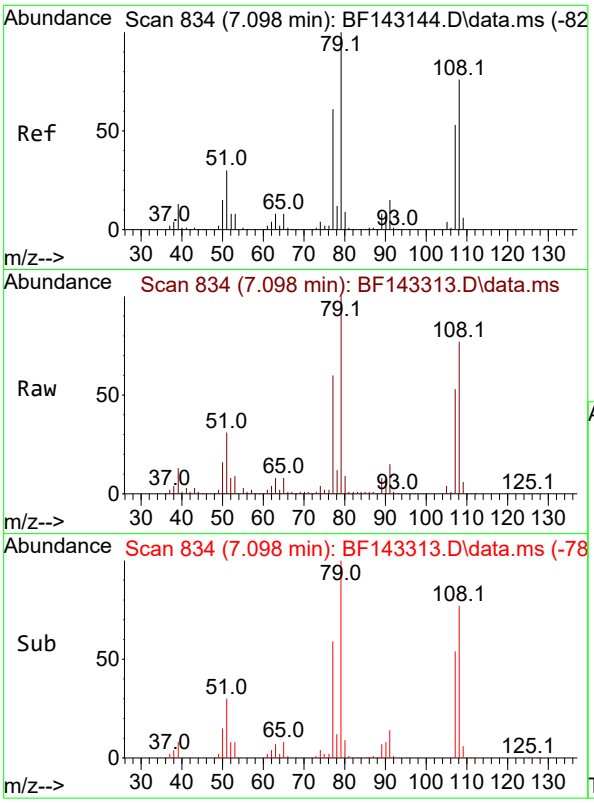


#14
1,2-Dichlorobenzene
Concen: 19.215 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:146 Resp: 173303

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.7	76.1
111	44.3	36.6	54.8





#15
Benzyl Alcohol
Concen: 19.367 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

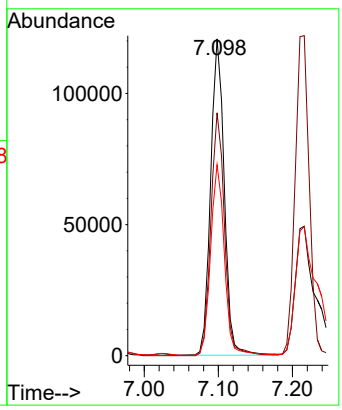
Tgt Ion: 79 Resp: 15391

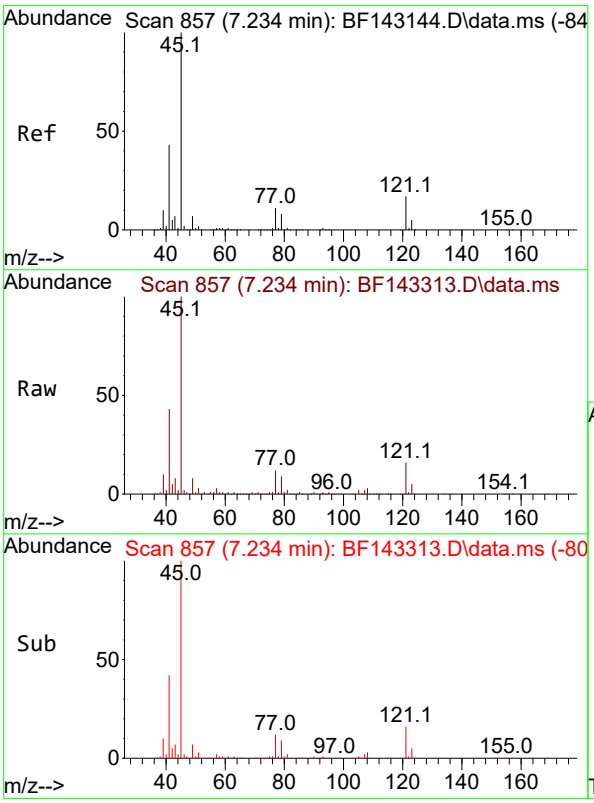
Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.1	91.7
77	60.3	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

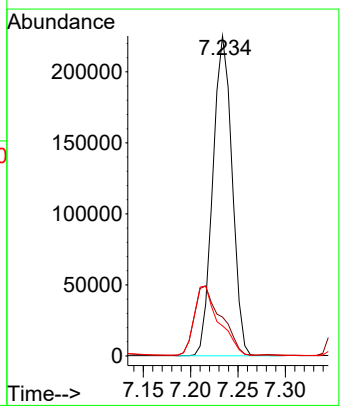


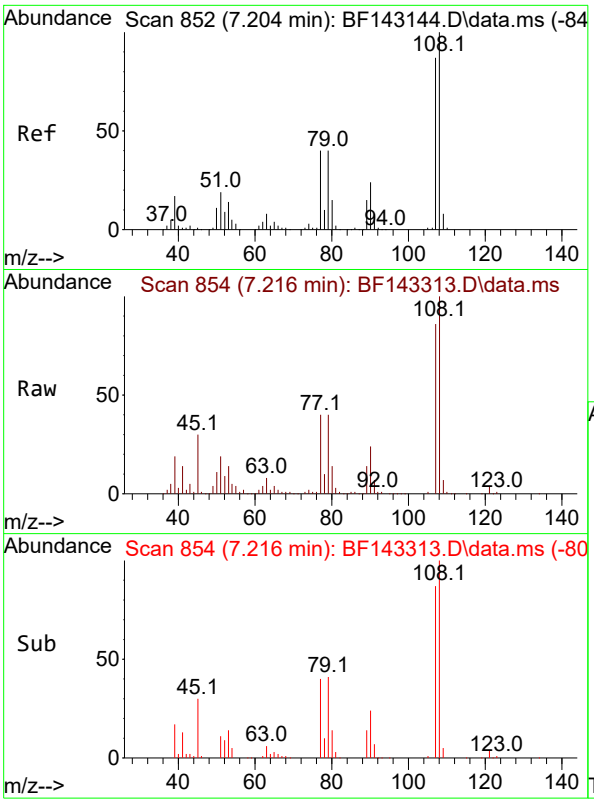


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.800 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 45 Resp: 318887

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	31.2
79	9.4	0.0	28.5

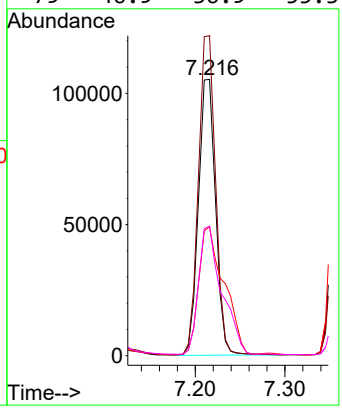




#17
2-Methylphenol
Concen: 19.173 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:107 Resp: 13973

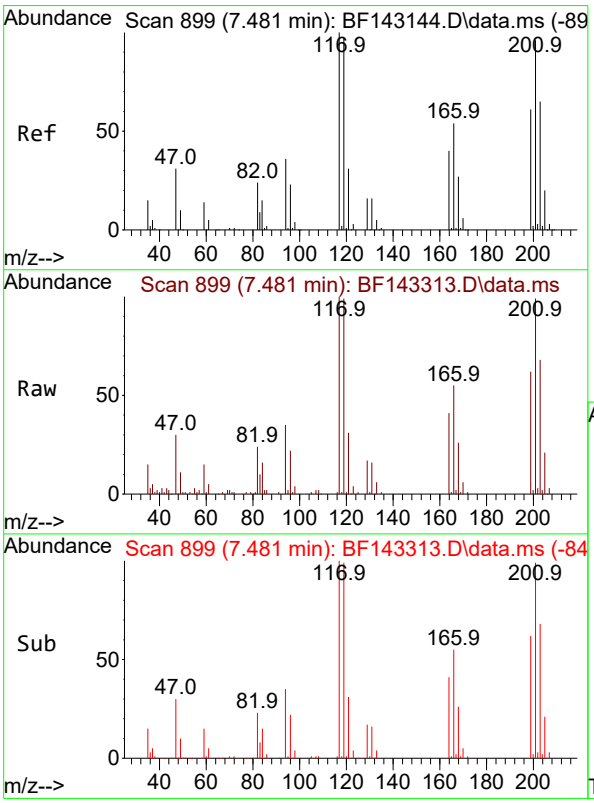
Ion	Ratio	Lower	Upper
107	100		
108	115.8	91.8	137.6
77	46.7	37.0	55.6
79	46.9	36.9	55.3



Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

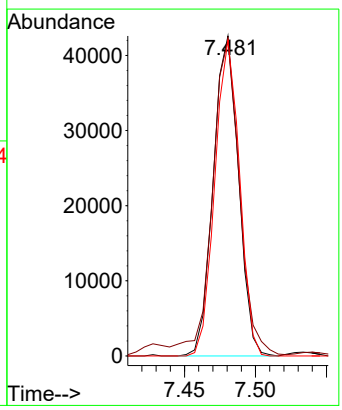
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

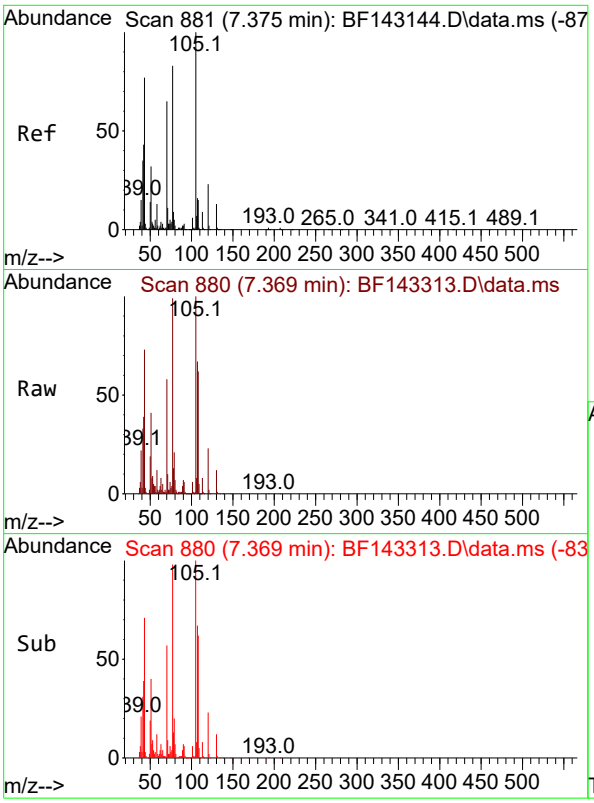


#18
Hexachloroethane
Concen: 16.021 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:117 Resp: 52594

Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.8	116.8
201	98.8	77.0	115.4





#19
n-Nitroso-di-n-propylamine
Concen: 18.928 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

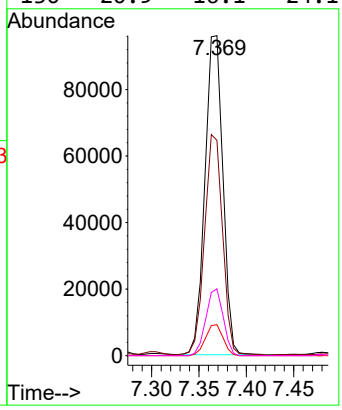
Tgt Ion: 70 Resp: 126399

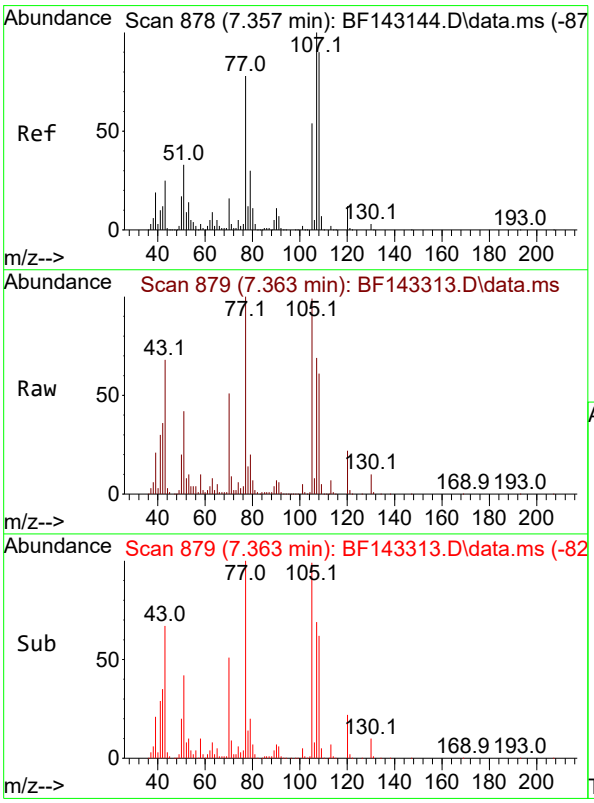
Ion	Ratio	Lower	Upper
70	100		
42	67.3	52.5	78.7
101	9.7	7.6	11.4
130	20.9	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

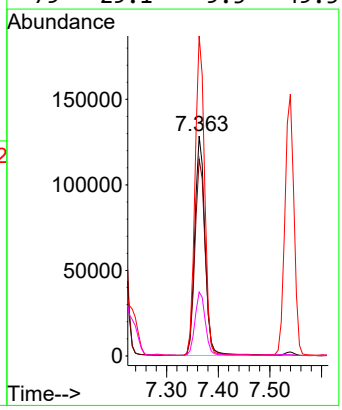


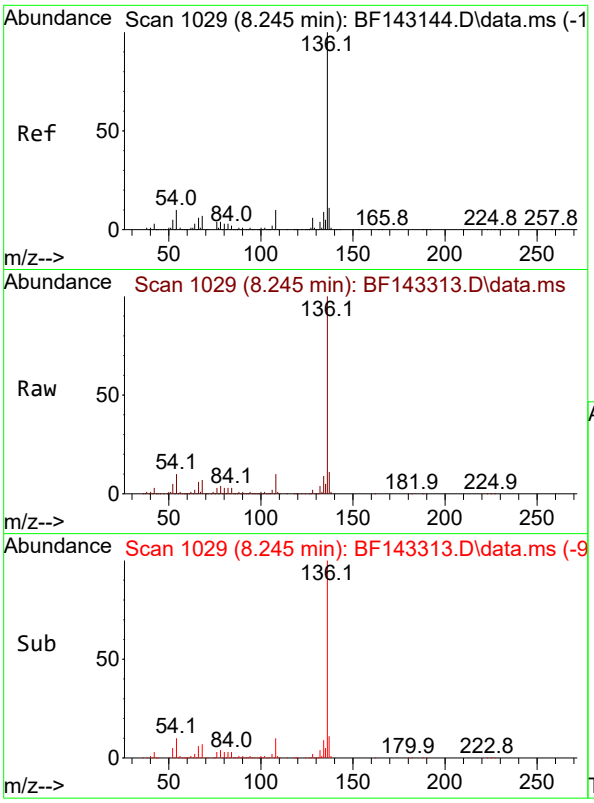


#20
3+4-Methylphenols
Concen: 19.978 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:107 Resp: 176660

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.0	110.0
77	145.6	57.8	97.8#
79	29.1	9.5	49.5

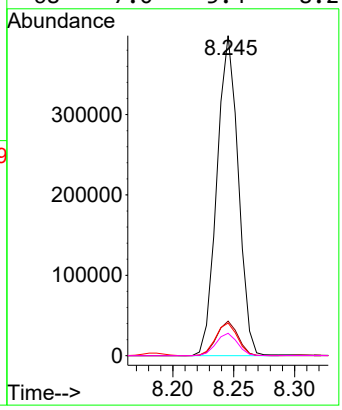




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:136 Resp: 48615

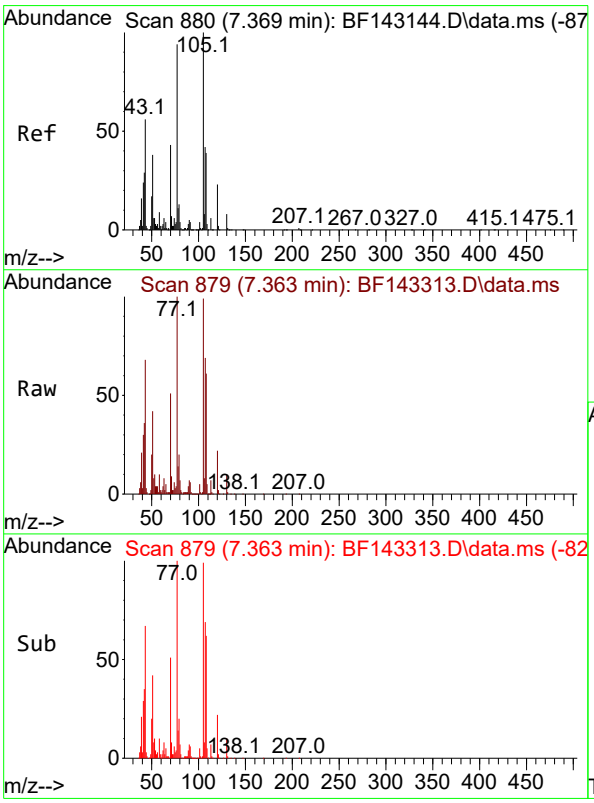
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.2	12.2
68	7.0	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

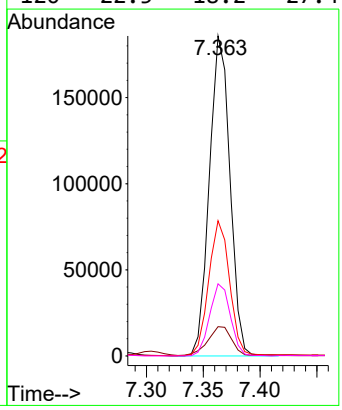
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

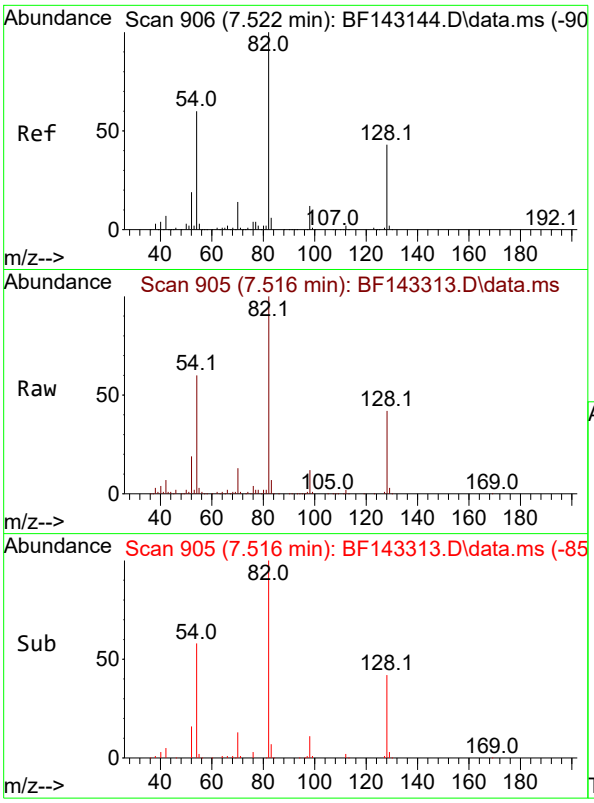


#22
Acetophenone
Concen: 20.394 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:105 Resp: 234736

Ion	Ratio	Lower	Upper
105	100		
71	9.2	5.8	8.6#
51	42.2	30.2	45.2
120	22.5	18.2	27.4





#23
Nitrobenzene-d5
Concen: 28.224 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

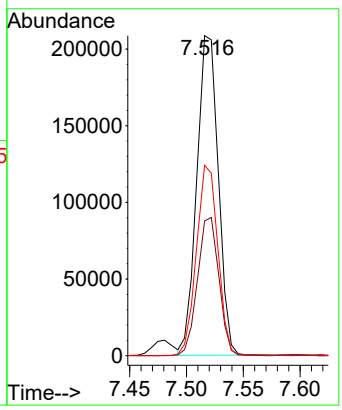
Tgt Ion: 82 Resp: 27527

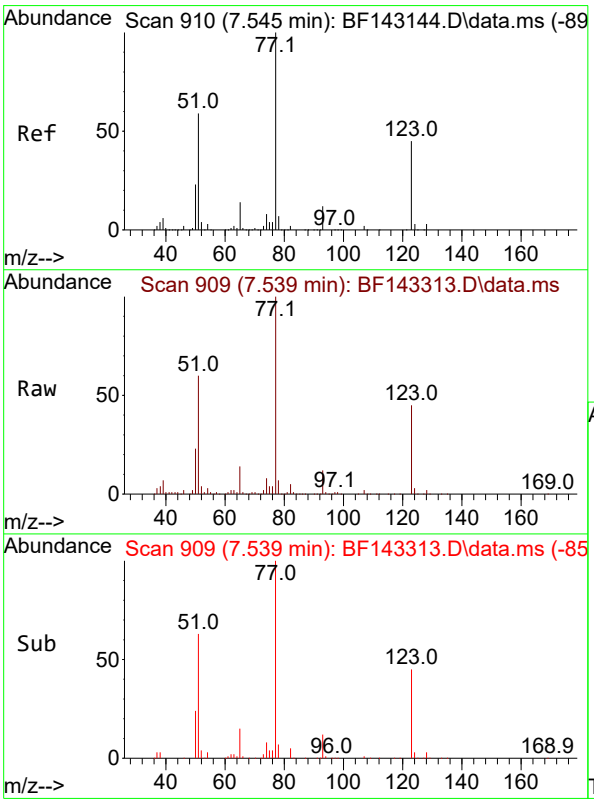
Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.6	50.4
54	59.5	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

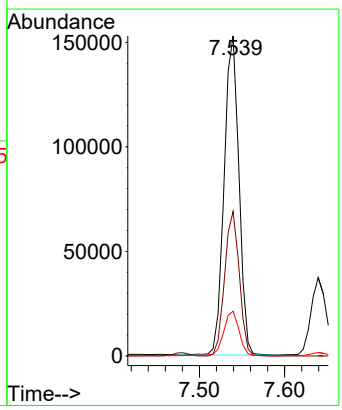


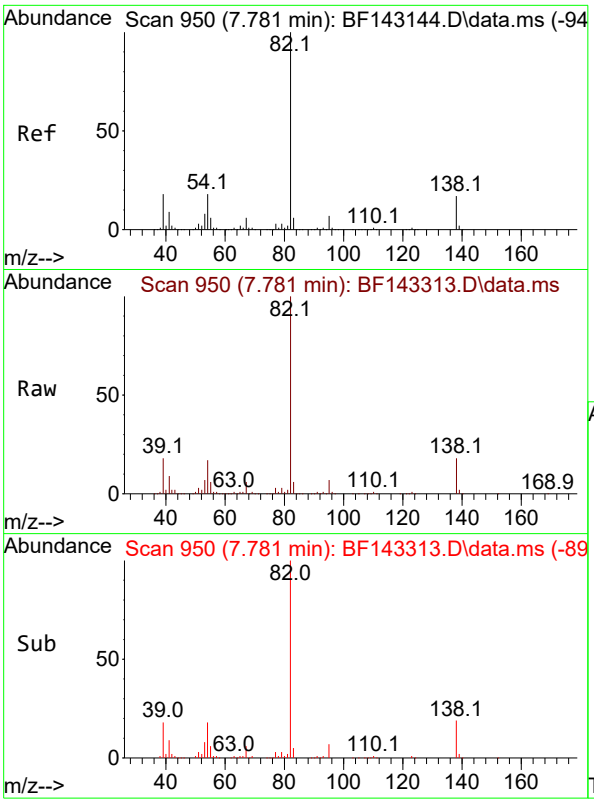


#24
Nitrobenzene
Concen: 20.373 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 77 Resp: 185250

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.0	11.4	17.2





#25
Isophorone
Concen: 20.059 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

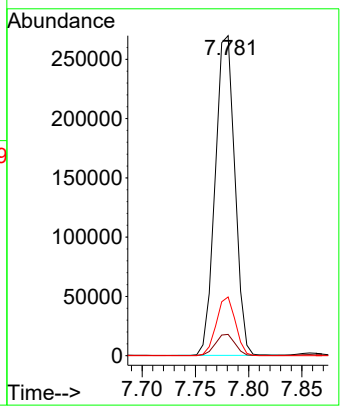
Tgt Ion: 82 Resp: 34535

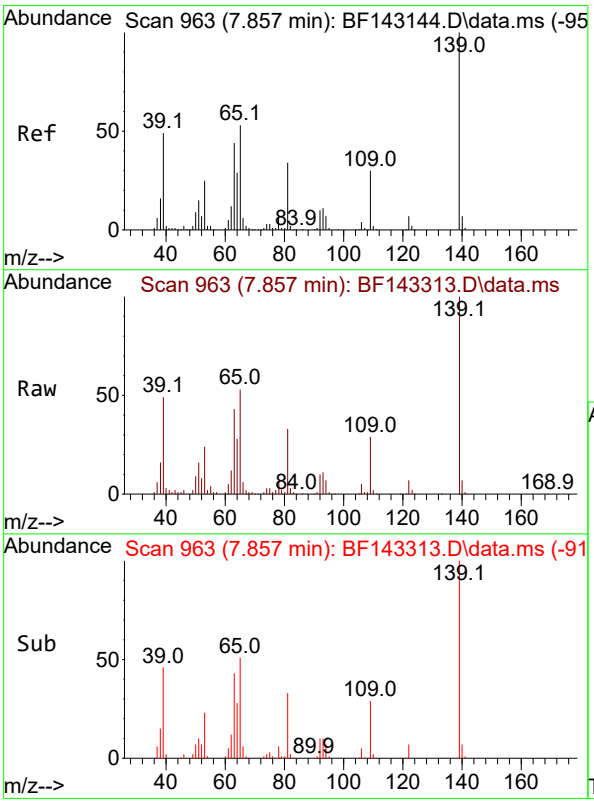
Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	18.4	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

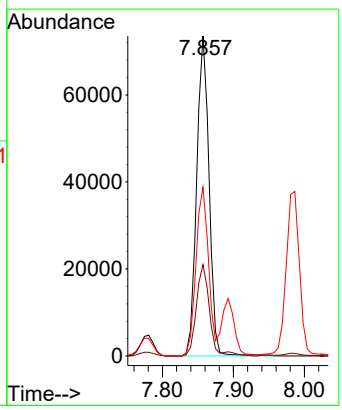


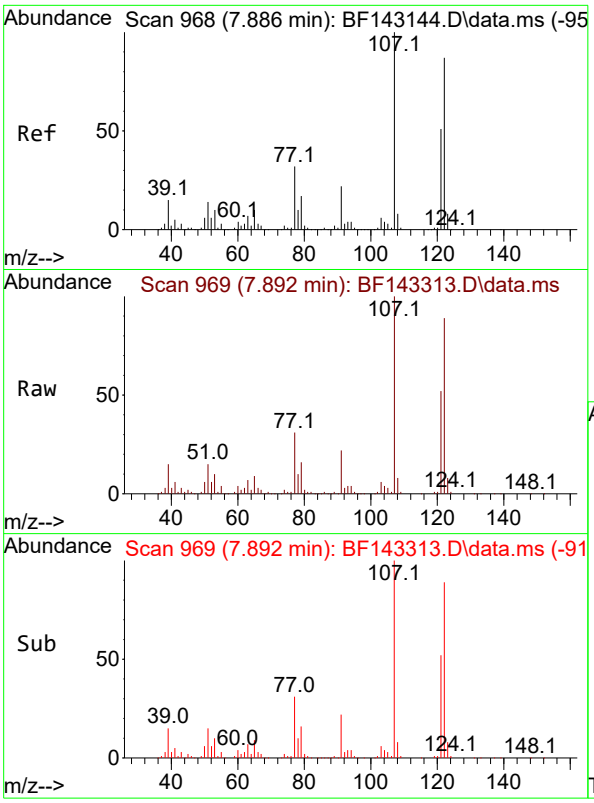


#26
2-Nitrophenol
Concen: 22.608 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:139 Resp: 89217

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.6	35.4
65	52.8	42.6	64.0





#27
2,4-Dimethylphenol
Concen: 19.263 ng m
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

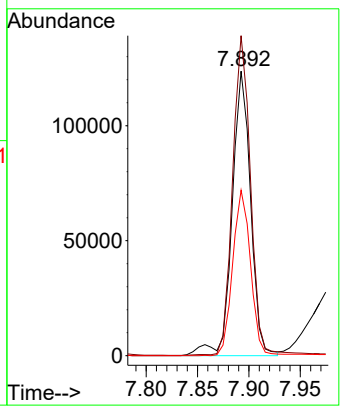
Tgt Ion:122 Resp: 15495

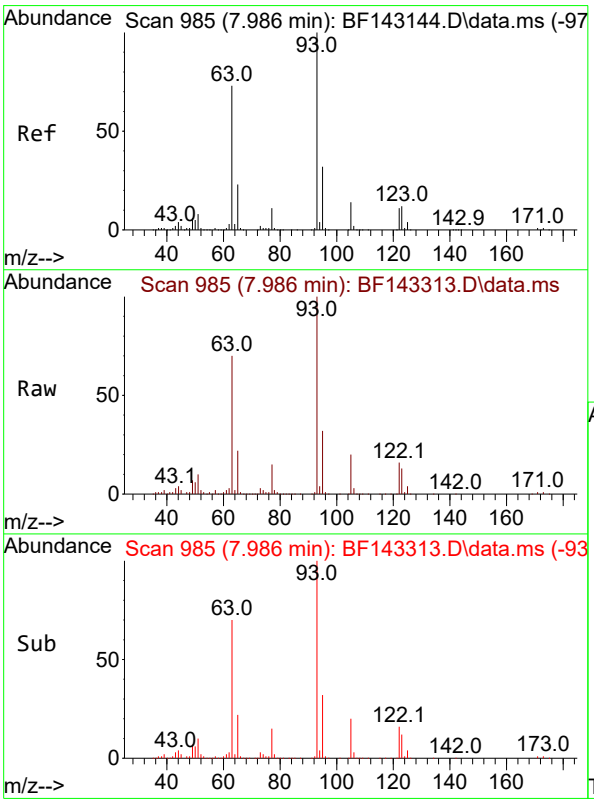
Ion	Ratio	Lower	Upper
122	100		
107	112.5	91.8	137.6
121	58.1	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

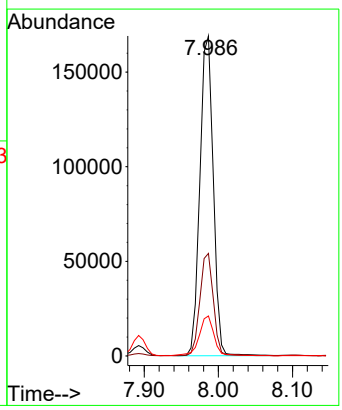


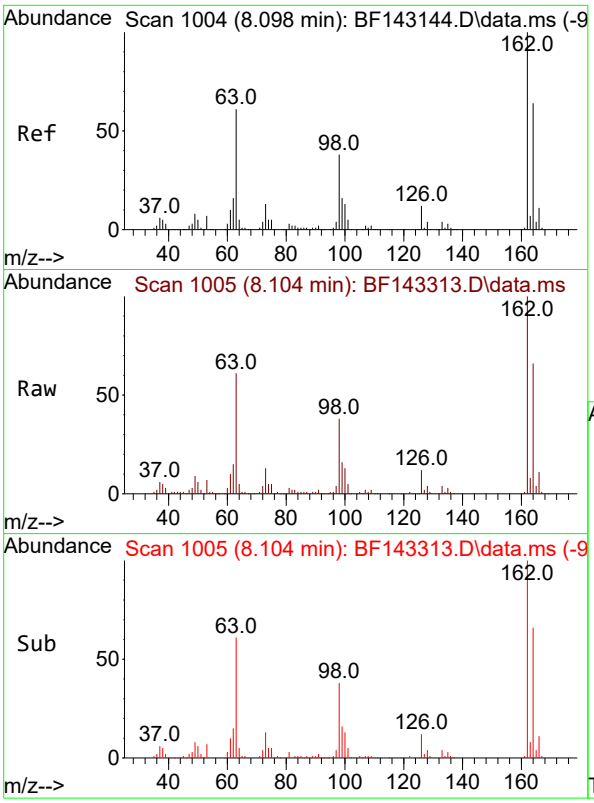


#28
bis(2-Chloroethoxy)methane
Concen: 20.505 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 93 Resp: 211672

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.6
123	12.5	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 18.907 ng
RT: 8.104 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

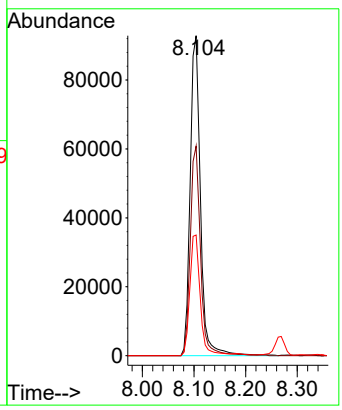
Tgt Ion:162 Resp: 12825

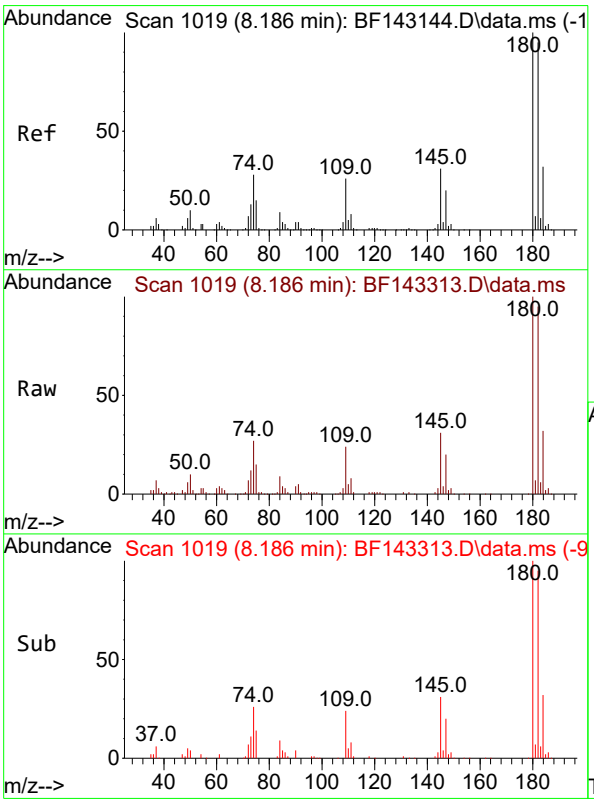
Ion	Ratio	Lower	Upper
162	100		
164	65.5	44.2	84.2
98	37.7	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

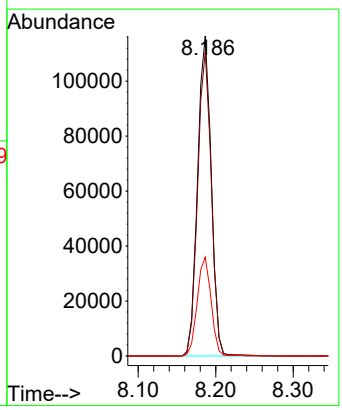


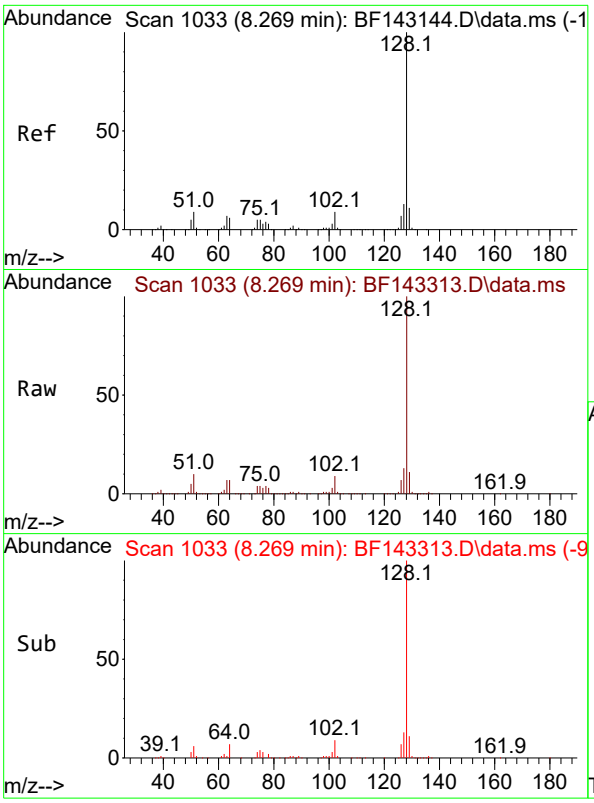


#30
1,2,4-Trichlorobenzene
Concen: 19.469 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:180 Resp: 142684

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
145	30.9	25.0	37.6





#31
Naphthalene
Concen: 19.925 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

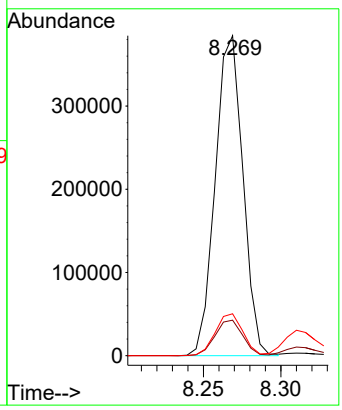
Tgt Ion:128 Resp: 47705

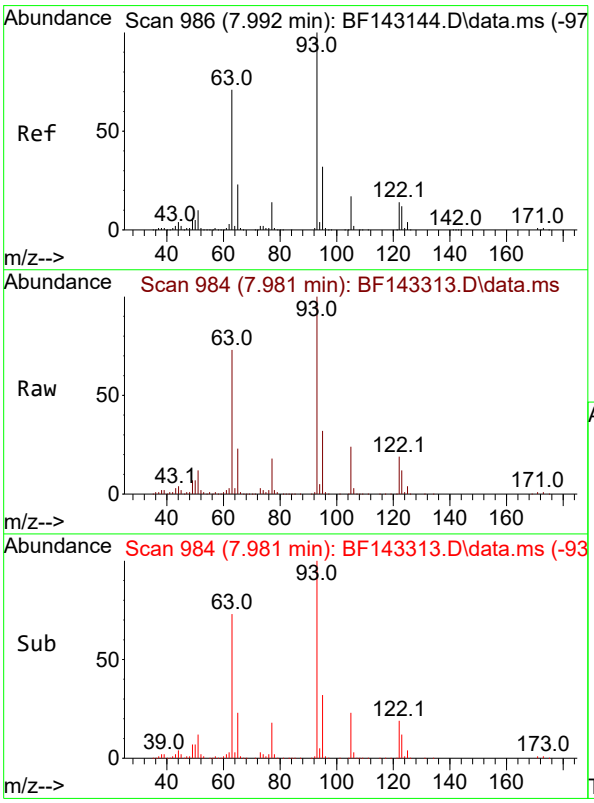
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

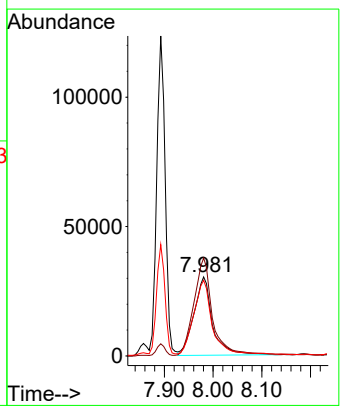


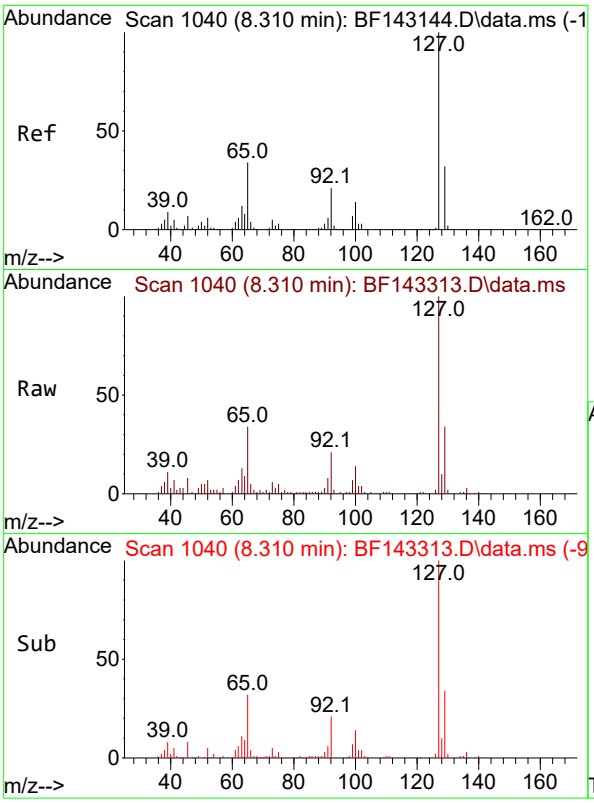


#32
Benzoic acid
Concen: 21.090 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:122 Resp: 80819

Ion	Ratio	Lower	Upper
122	100		
105	124.0	104.8	144.8
77	95.9	77.6	117.6





#33
4-Chloroaniline
Concen: 5.358 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

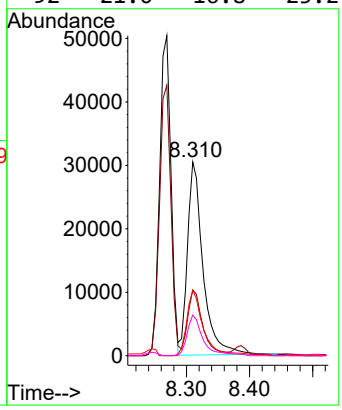
Tgt Ion:127 Resp: 5238

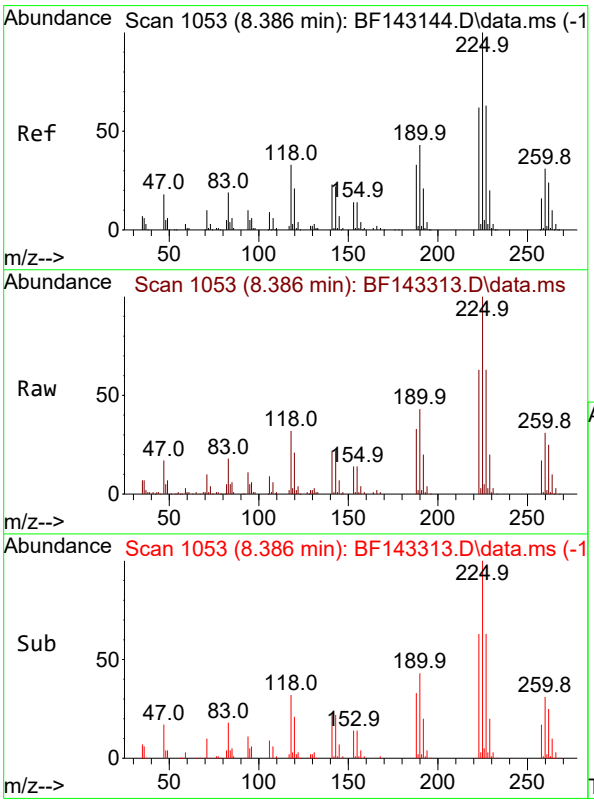
Ion	Ratio	Lower	Upper
127	100		
129	33.9	26.0	39.0
65	33.7	27.4	41.2
92	21.0	16.8	25.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

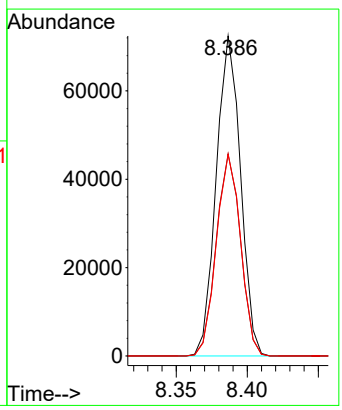


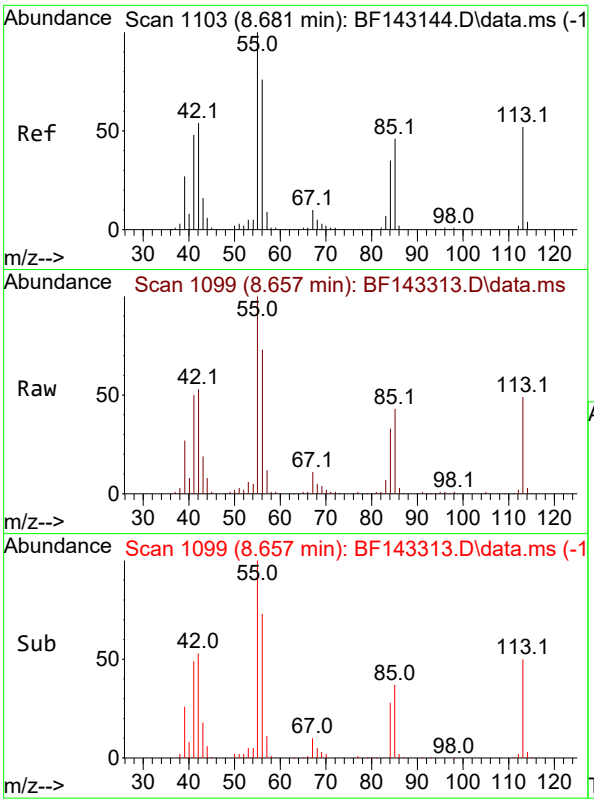


#34
Hexachlorobutadiene
Concen: 19.202 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:225 Resp: 85967

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.6
227	63.0	50.2	75.4





#35
Caprolactam
Concen: 20.861 ng
RT: 8.657 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

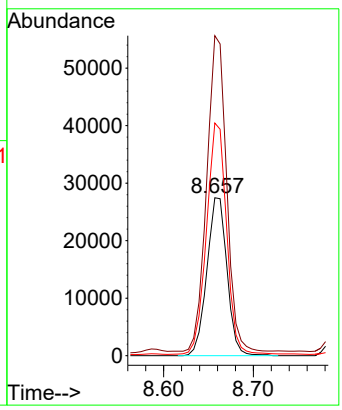
Tgt Ion:113 Resp: 4276

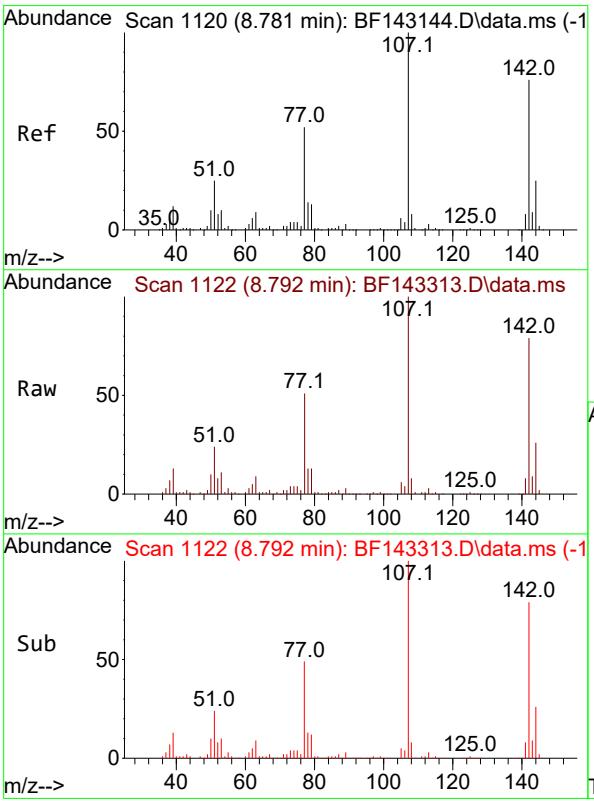
Ion	Ratio	Lower	Upper
113	100		
55	202.6	174.0	214.0
56	147.3	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

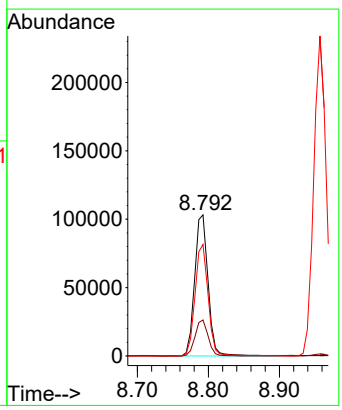


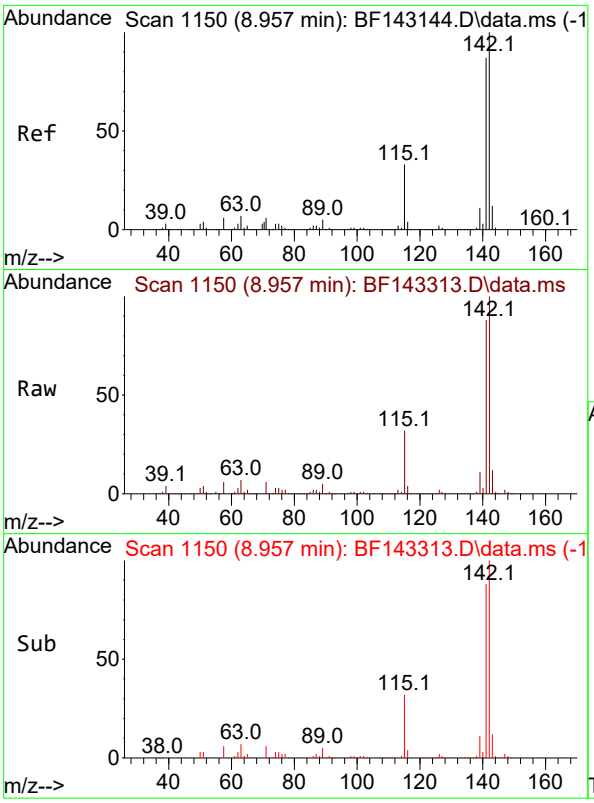


#36
4-Chloro-3-methylphenol
Concen: 18.399 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:107 Resp: 135660

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.8	29.6
142	79.0	60.6	90.8





#37
2-Methylnaphthalene
Concen: 19.557 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

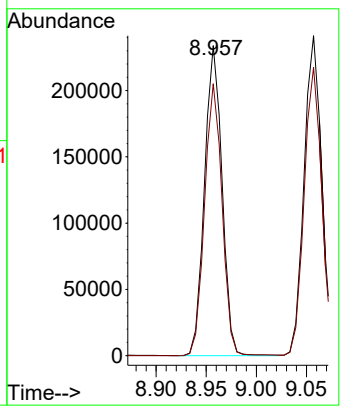
Tgt Ion:142 Resp: 28493

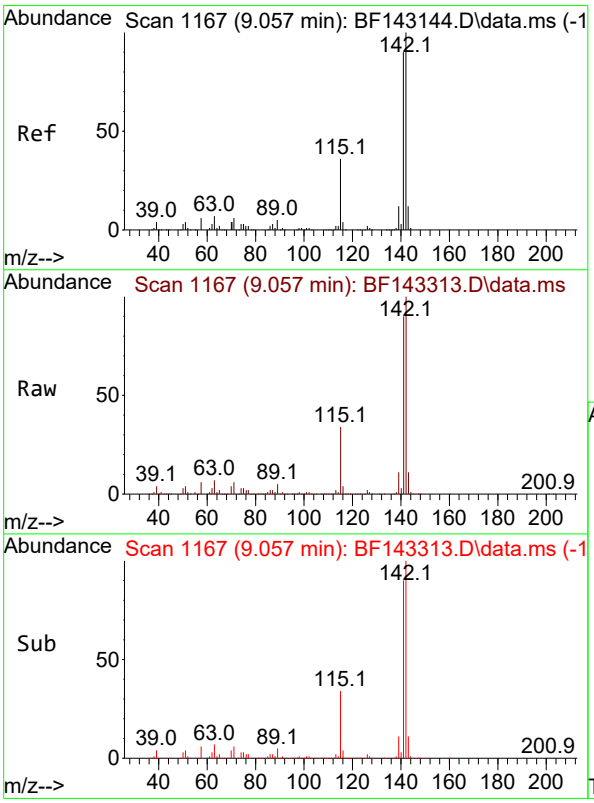
Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

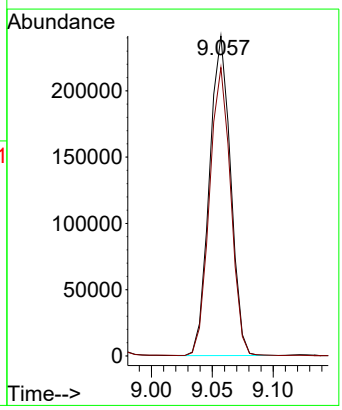


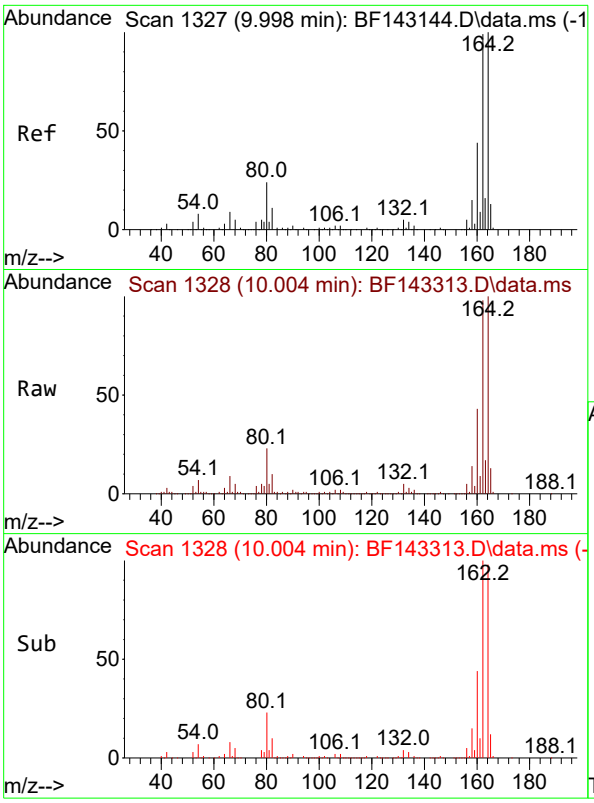


#38
1-Methylnaphthalene
Concen: 19.489 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:142 Resp: 292390

Ion	Ratio	Lower	Upper
142	100		
141	90.2	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: BF143313.D
Acq: 05 Aug 2025 13:59

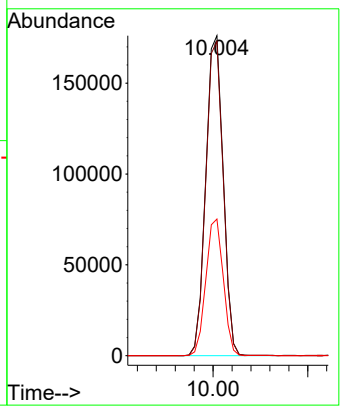
Tgt Ion:164 Resp: 22486

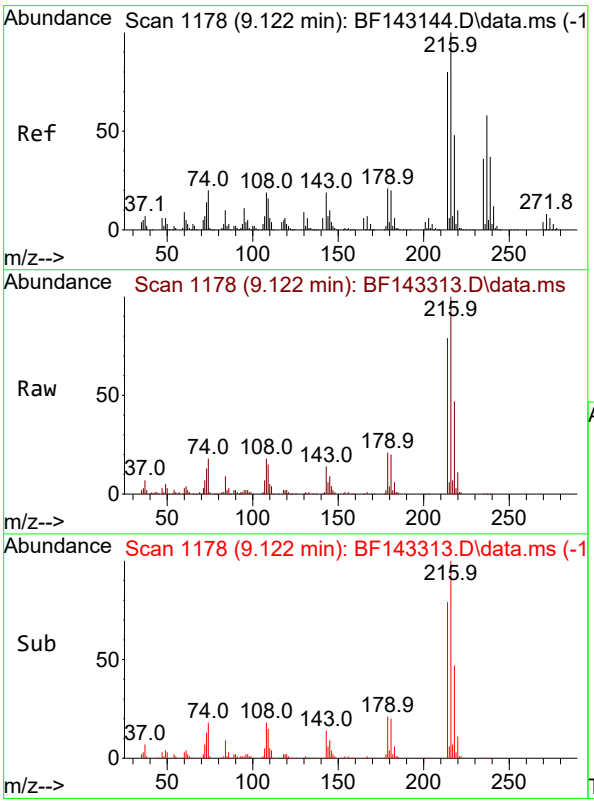
Ion	Ratio	Lower	Upper
164	100		
162	98.2	79.0	118.6
160	42.7	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

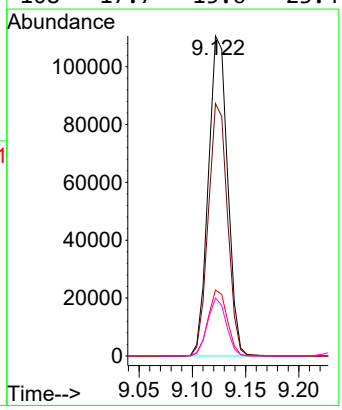


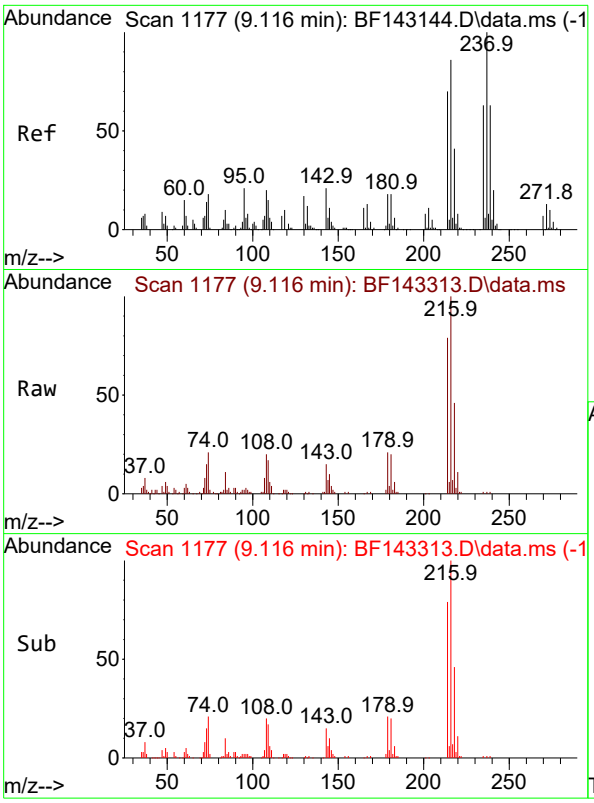


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.467 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:216 Resp: 139365

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.8	95.8
179	20.4	16.4	24.6
108	17.7	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 0.207 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

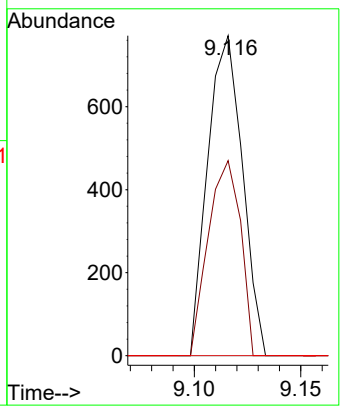
Tgt Ion:237 Resp: 87

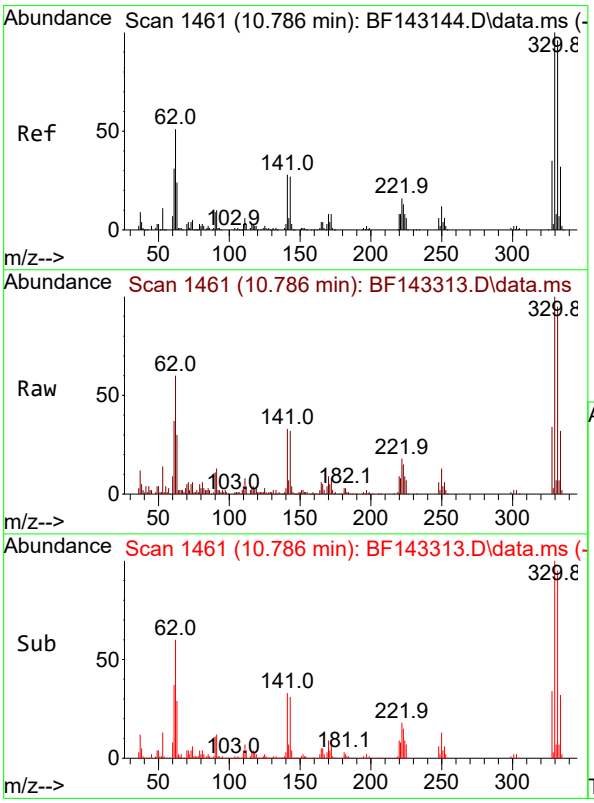
Ion	Ratio	Lower	Upper
237	100		
235	61.0	43.0	83.0
272	0.0	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

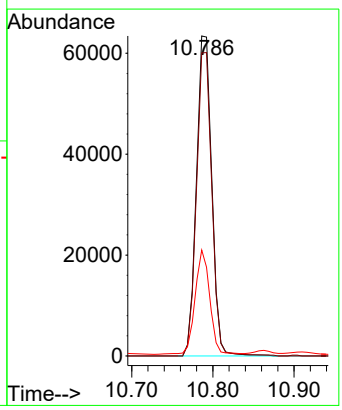


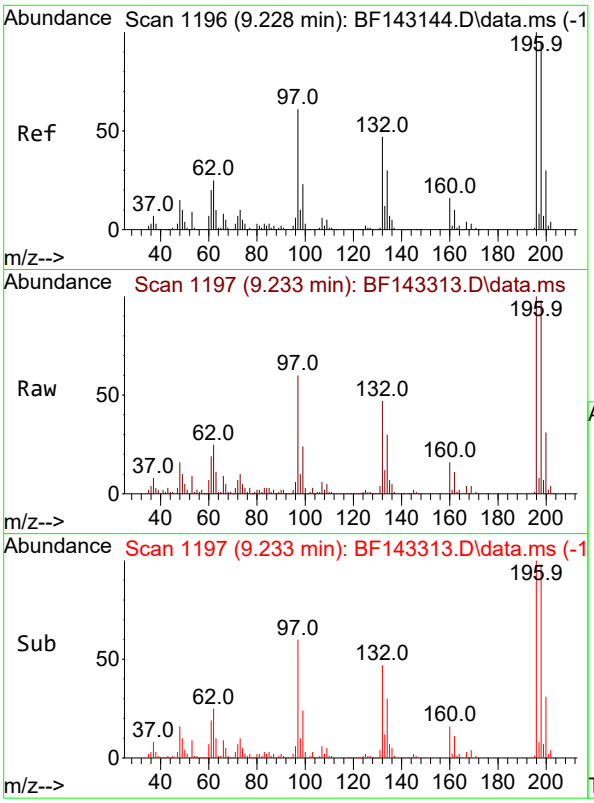


#42
2,4,6-Tribromophenol
Concen: 35.934 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:330 Resp: 83476

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.7	115.1
141	31.3	23.3	34.9





#43
2,4,6-Trichlorophenol
Concen: 18.844 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

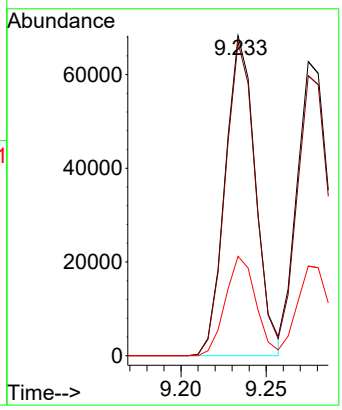
Tgt Ion:196 Resp: 8467

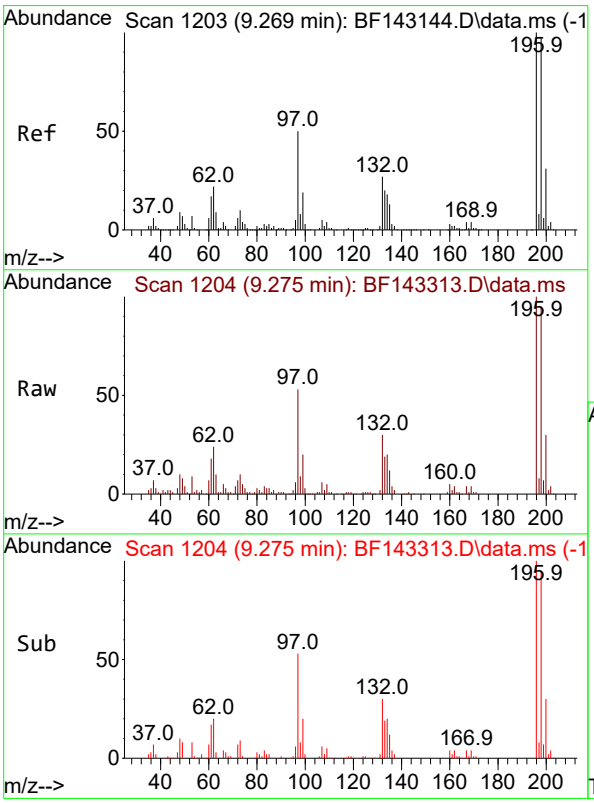
Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.2	114.2
200	31.1	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

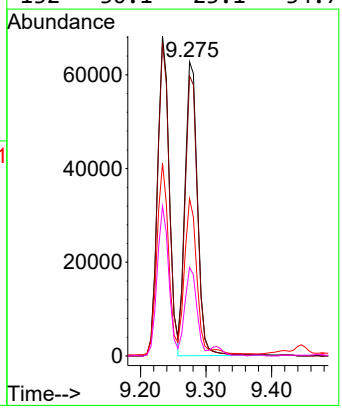


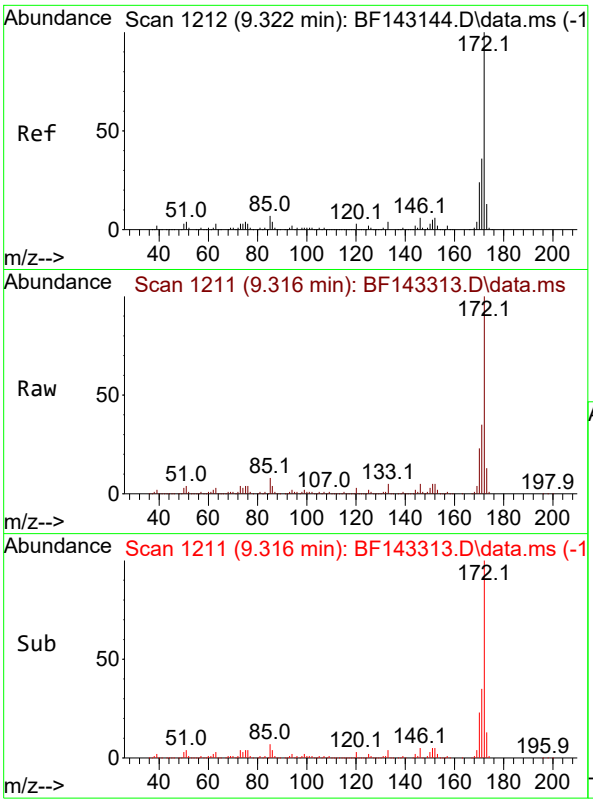


#44
2,4,5-Trichlorophenol
Concen: 18.388 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:196 Resp: 82644

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.3	115.9
97	53.5	40.3	60.5
132	30.1	23.1	34.7





#45
2-Fluorobiphenyl
Concen: 29.488 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

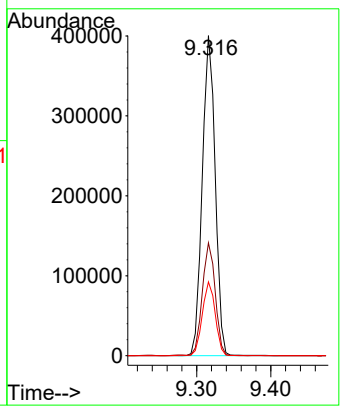
Tgt Ion:172 Resp: 484848

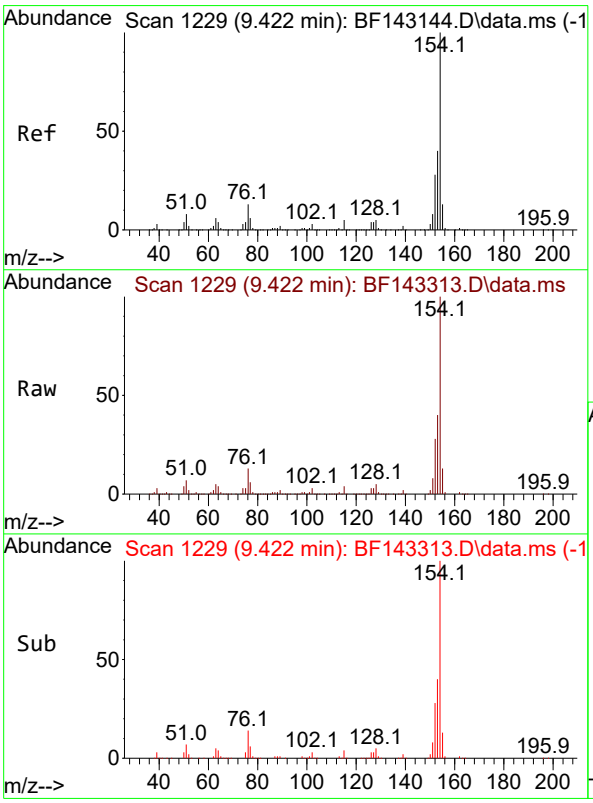
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.1	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

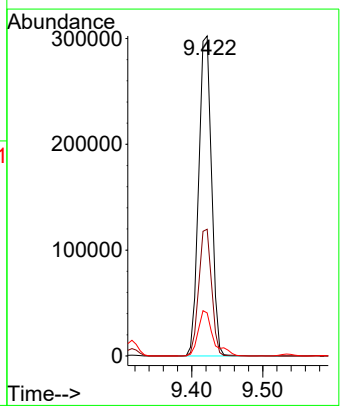


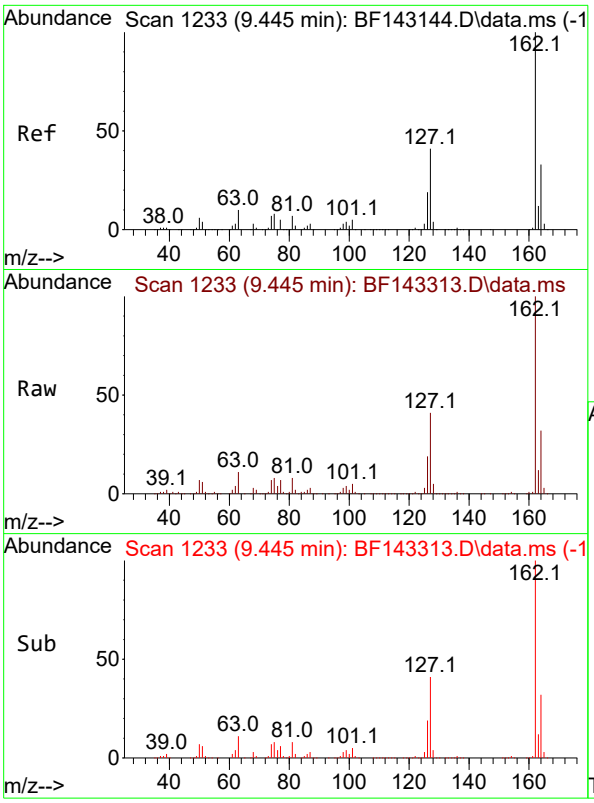


#46
1,1'-Biphenyl
Concen: 21.795 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:154 Resp: 382379

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.3	60.3
76	13.5	0.0	33.3





#47
2-Chloronaphthalene
Concen: 20.244 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

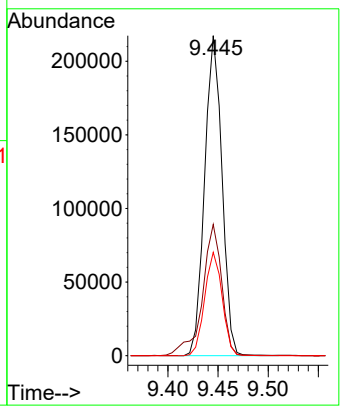
Tgt Ion:162 Resp: 26279

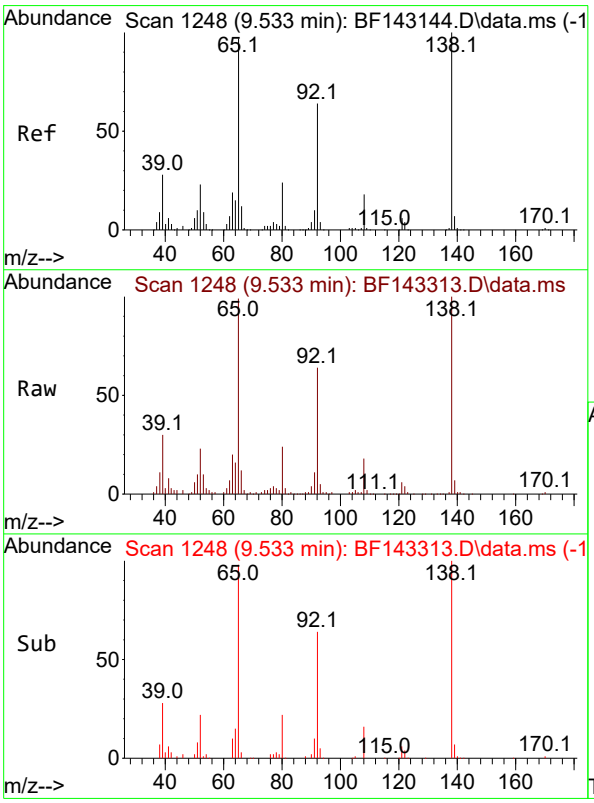
Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.4	50.2
164	32.3	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

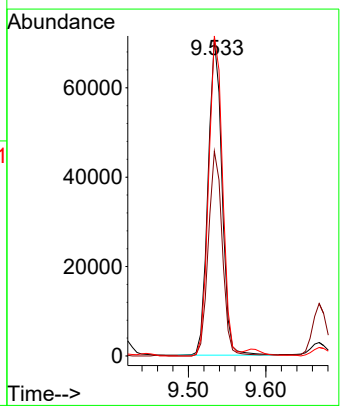


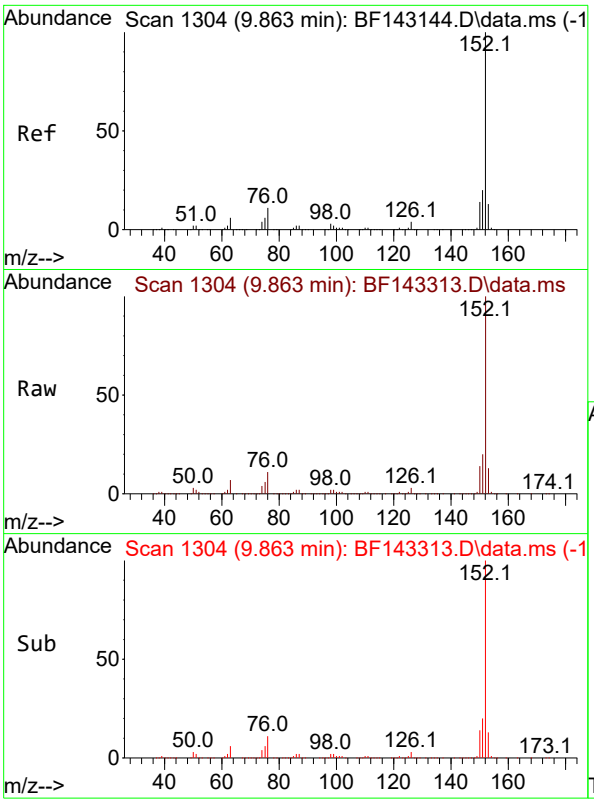


#48
2-Nitroaniline
Concen: 21.653 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 65 Resp: 88146

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.4	78.6
138	100.9	82.3	123.5





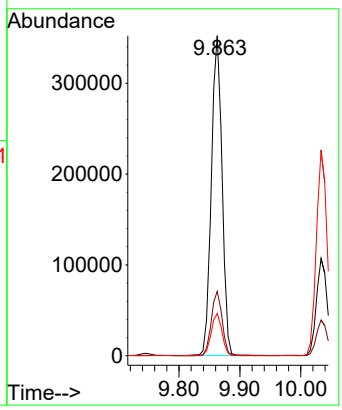
#49
Acenaphthylene
Concen: 19.781 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

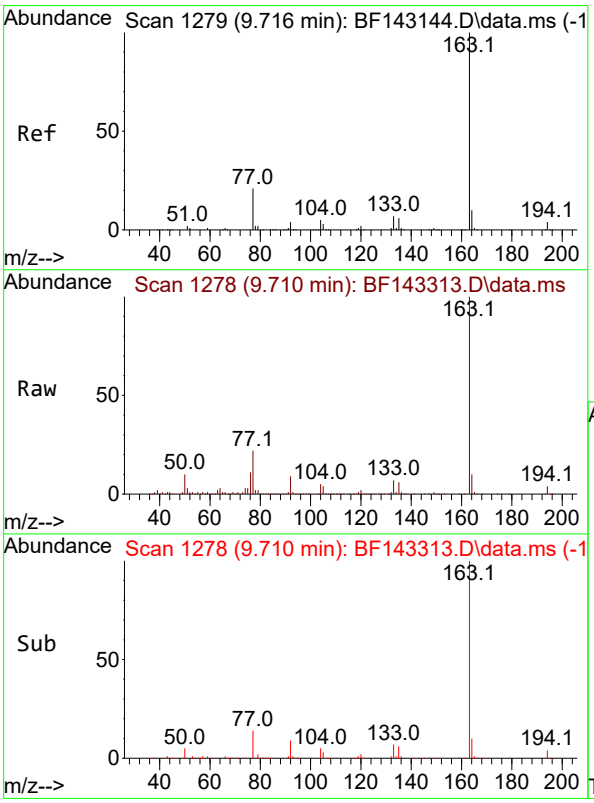
Tgt Ion:152 Resp: 43032

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

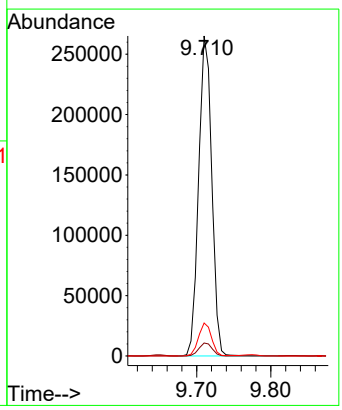


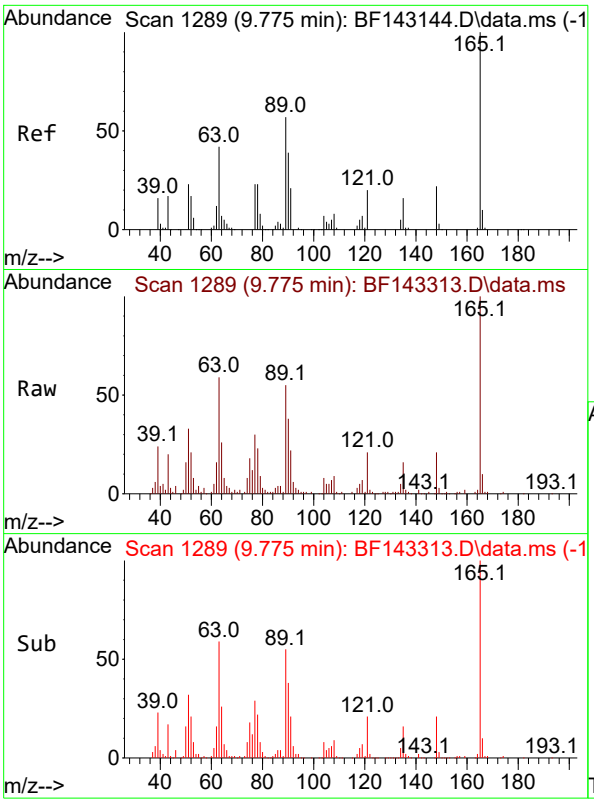


#50
Dimethylphthalate
Concen: 22.245 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:163 Resp: 326052

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	10.3	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 21.671 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

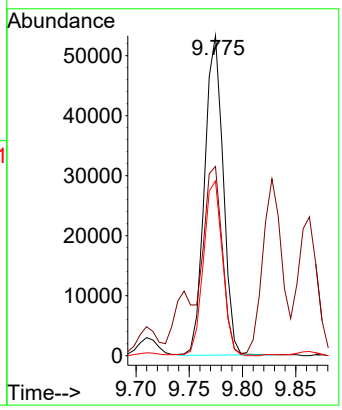
Tgt Ion:165 Resp: 6461

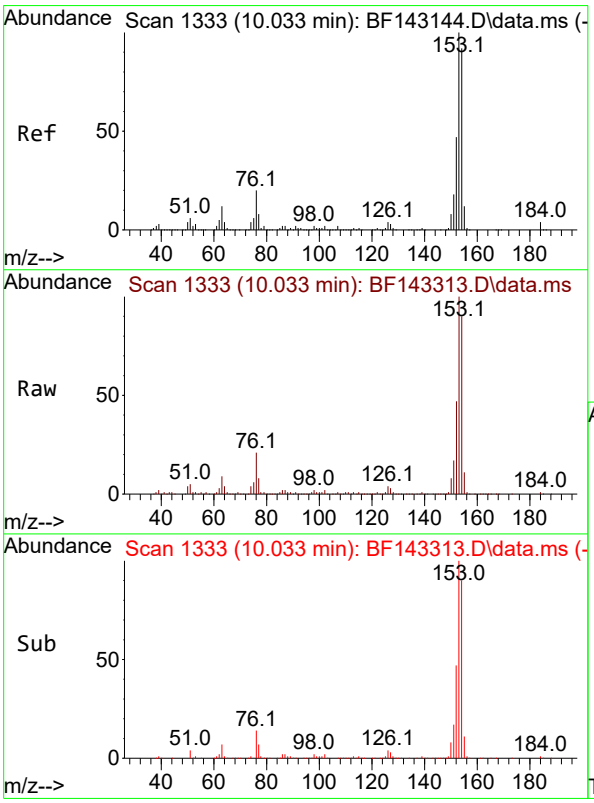
Ion	Ratio	Lower	Upper
165	100		
63	59.2	49.4	74.2
89	54.6	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

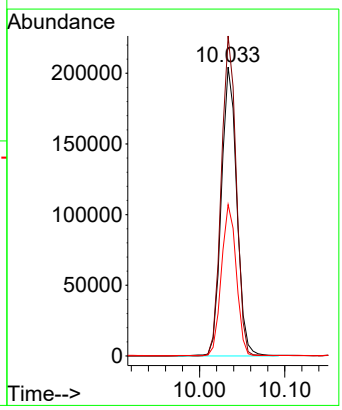


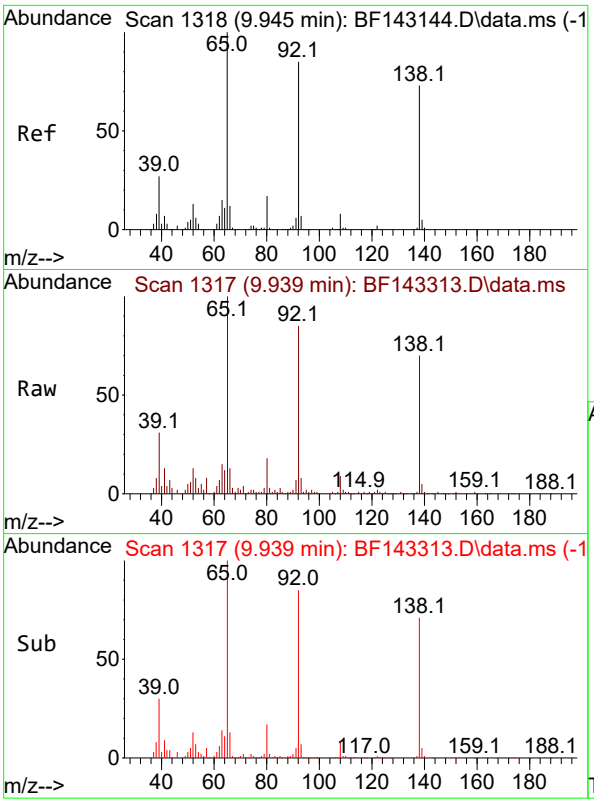


#52
Acenaphthene
Concen: 20.035 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:154 Resp: 257617

Ion	Ratio	Lower	Upper
154	100		
153	110.8	86.6	129.8
152	52.4	40.4	60.6





#53
3-Nitroaniline
Concen: 13.560 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

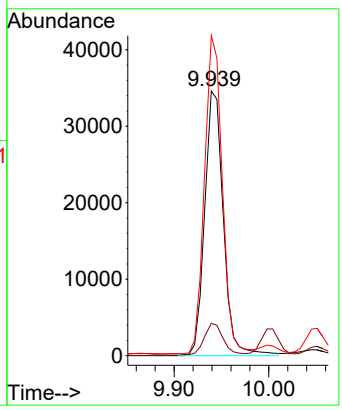
Tgt Ion:138 Resp: 4729

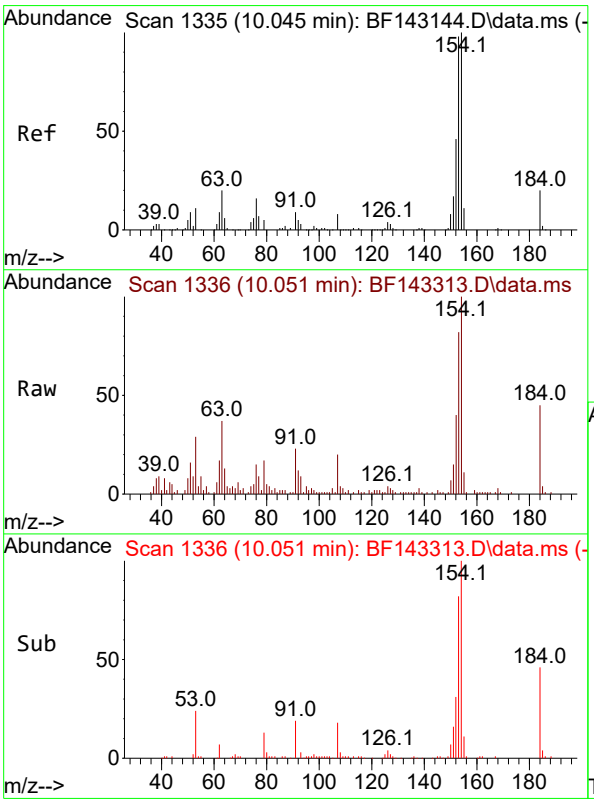
Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.0	13.6
92	120.9	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

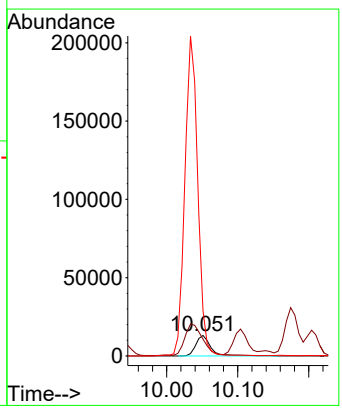


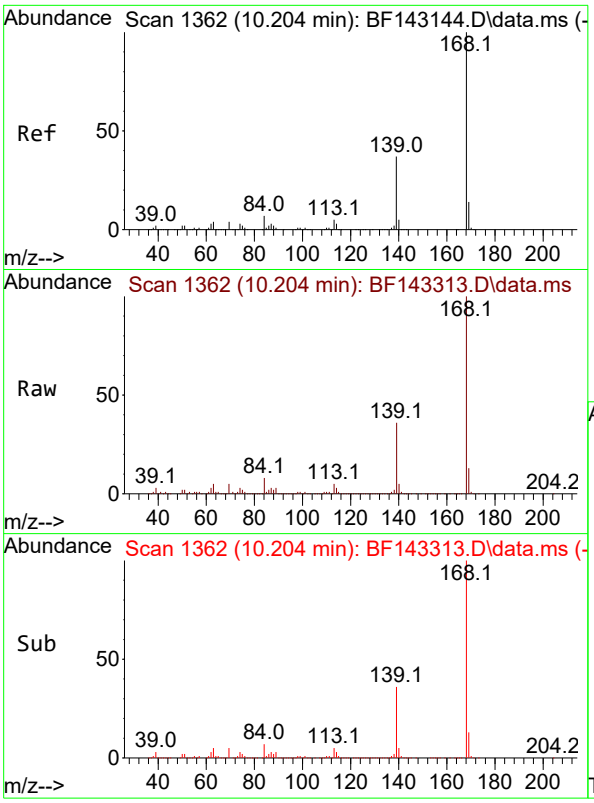


#54
2,4-Dinitrophenol
Concen: 19.684 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:184 Resp: 19195

Ion	Ratio	Lower	Upper
184	100		
63	82.1	81.8	122.6
154	221.0	412.2	618.4#





#55
Dibenzofuran
Concen: 19.428 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

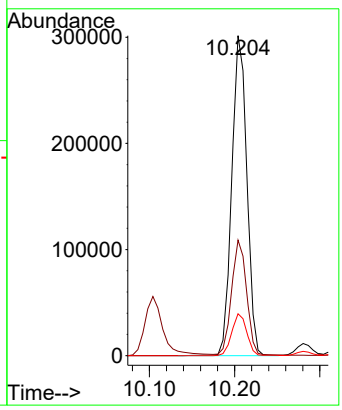
Tgt Ion:168 Resp: 37087

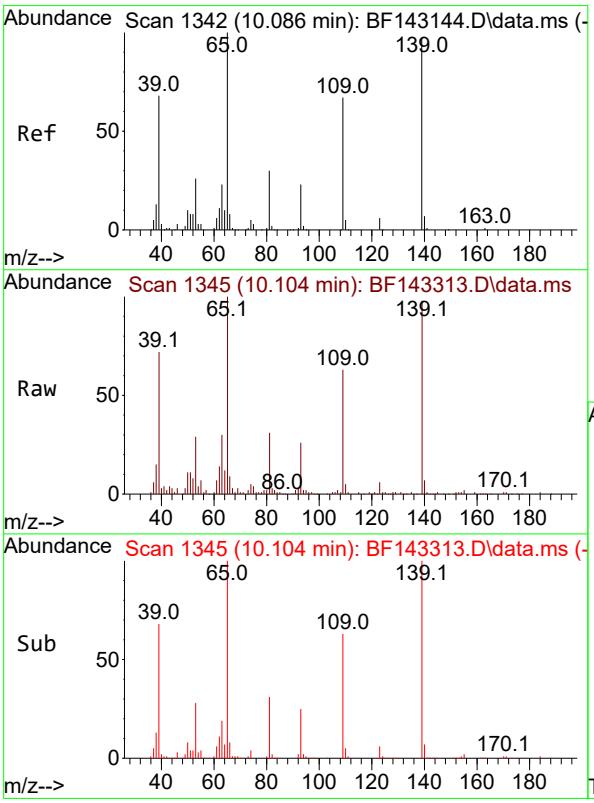
Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.5	44.3
169	13.1	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

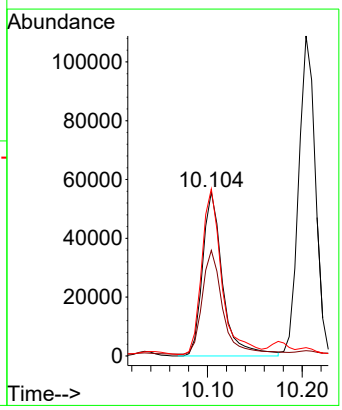


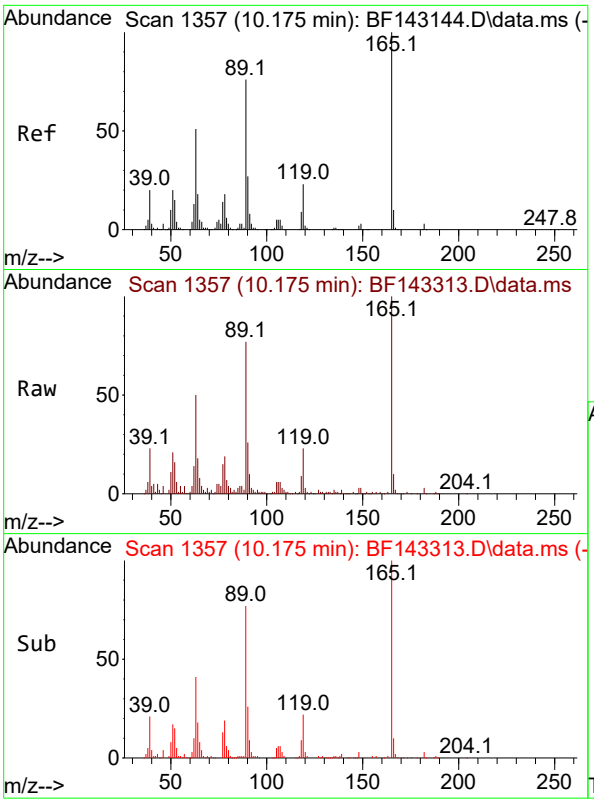


#56
4-Nitrophenol
Concen: 31.613 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:139 Resp: 82334

Ion	Ratio	Lower	Upper
139	100		
109	64.4	48.5	88.5
65	101.9	83.4	123.4





#57
2,4-Dinitrotoluene
Concen: 20.686 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

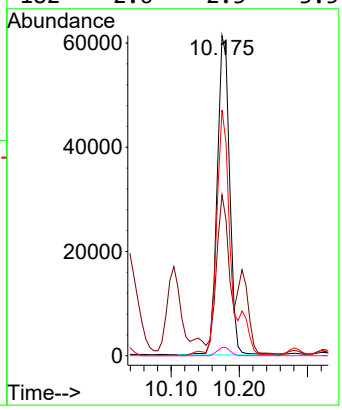
Tgt Ion:165 Resp: 7738

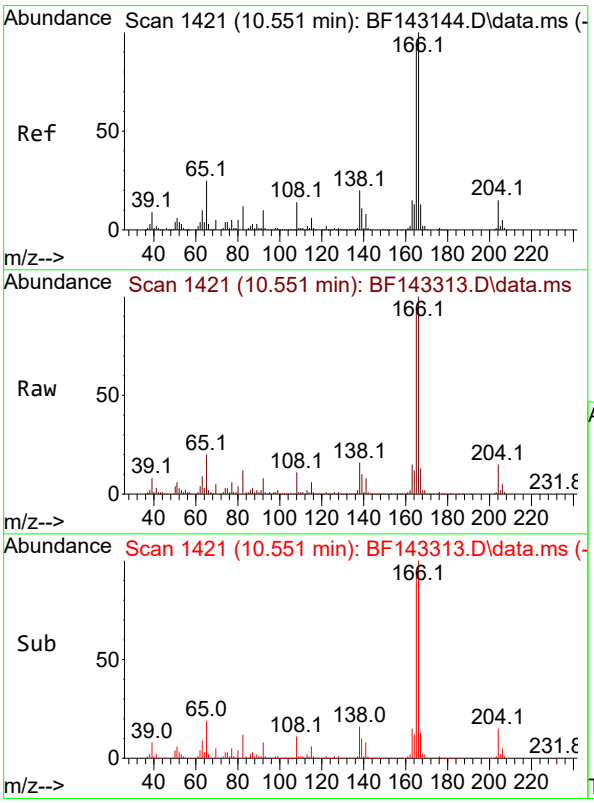
Ion	Ratio	Lower	Upper
165	100		
63	50.2	41.0	61.4
89	76.8	61.1	91.7
182	2.6	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

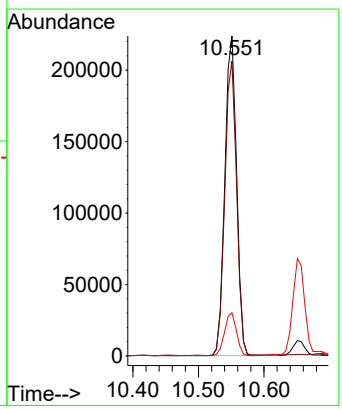


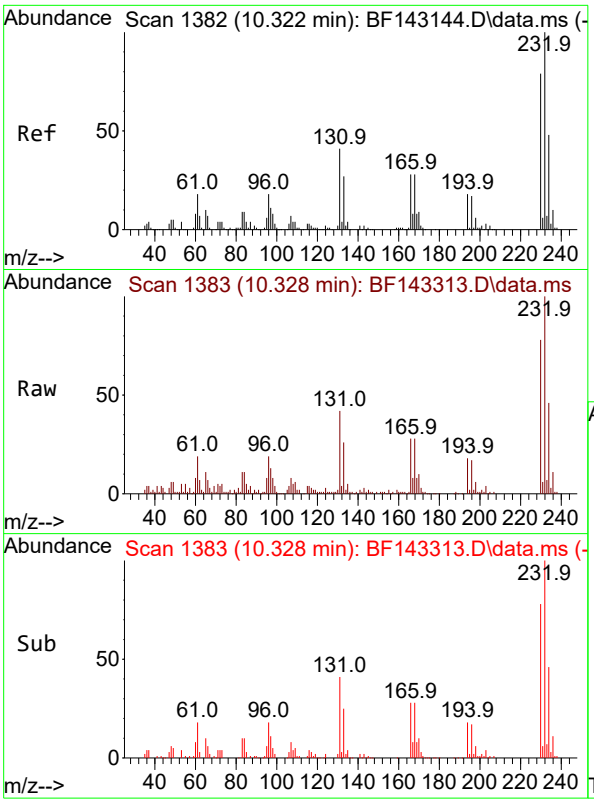


#58
Fluorene
Concen: 19.385 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:166 Resp: 277735

Ion	Ratio	Lower	Upper
166	100		
165	92.2	73.7	110.5
167	13.5	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 16.922 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

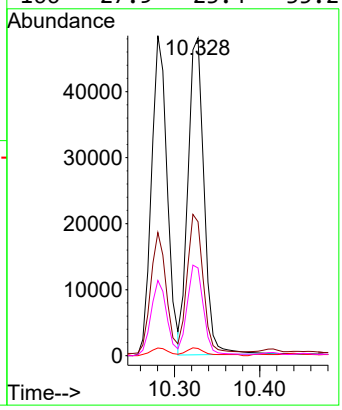
Tgt Ion:232 Resp: 6300

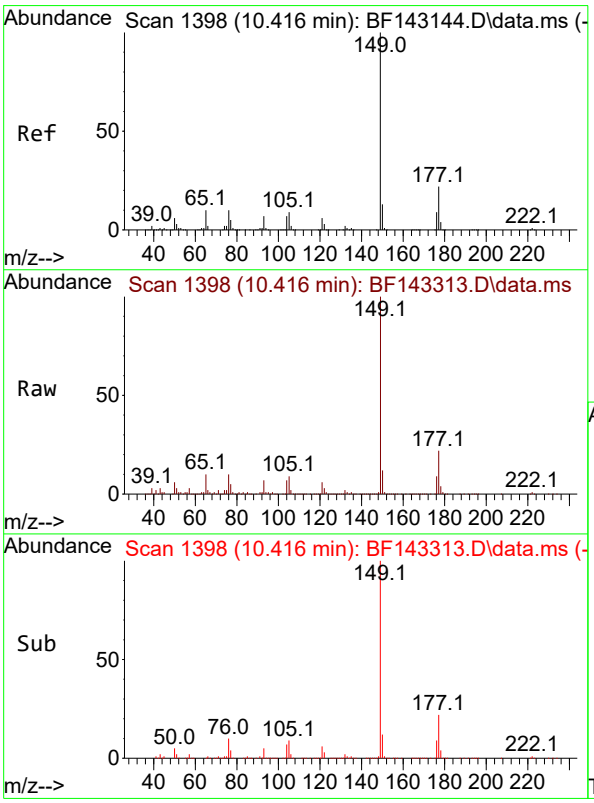
Ion	Ratio	Lower	Upper
232	100		
131	42.5	35.3	52.9
130	2.1	1.7	2.5
166	27.9	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

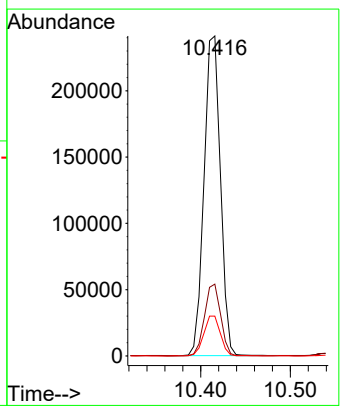


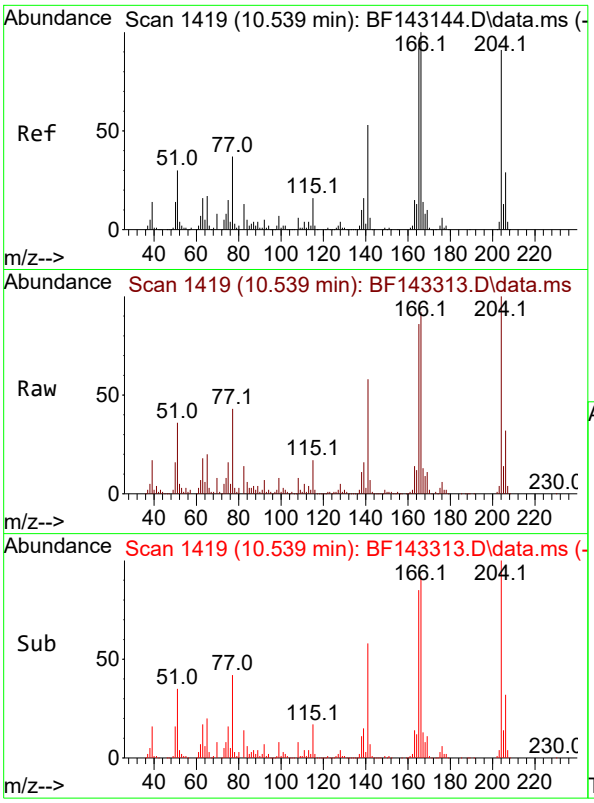


#60
Diethylphthalate
Concen: 21.081 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:149 Resp: 305410

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.5	26.3
150	12.5	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 19.567 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

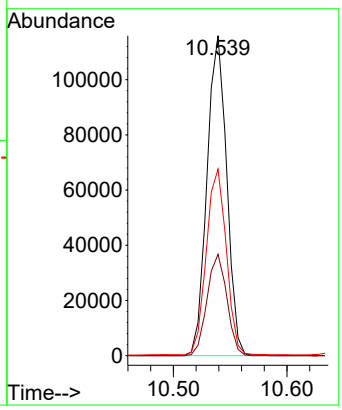
Tgt Ion:204 Resp: 139599

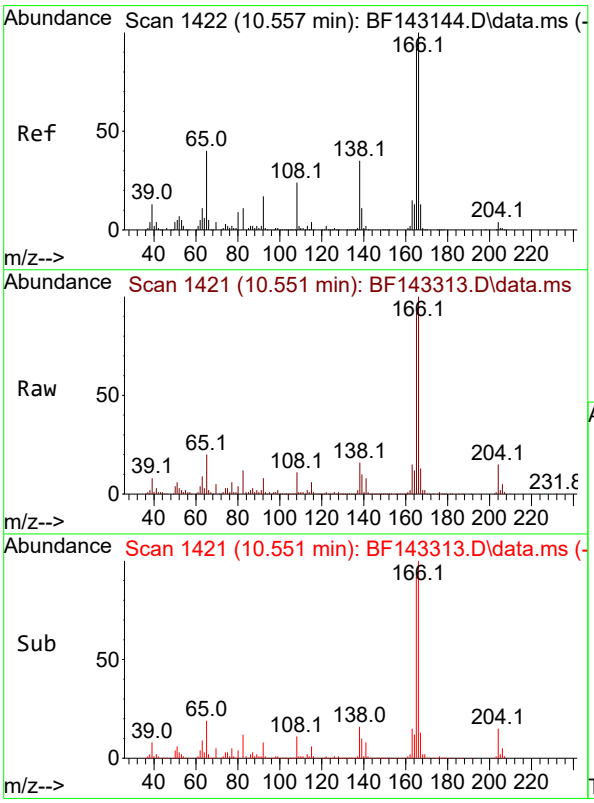
Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.8	38.8
141	58.3	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

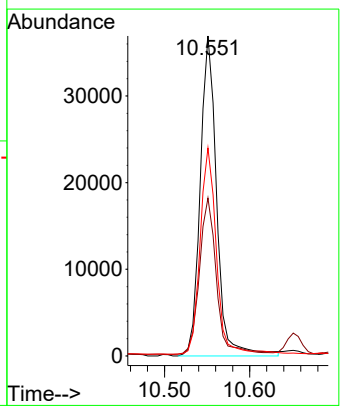


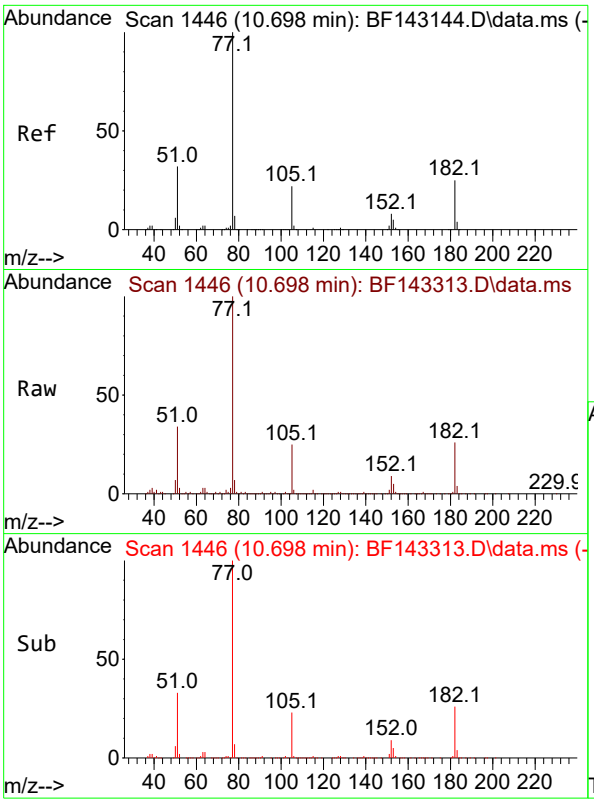


#62
4-Nitroaniline
Concen: 16.608 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:138 Resp: 49643

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	65.0	48.3	88.3

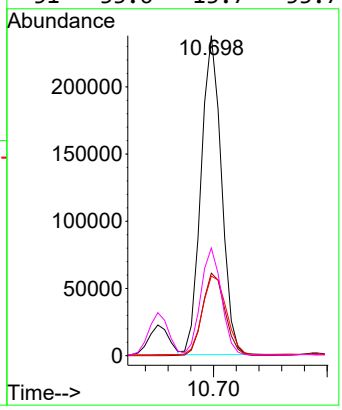




#63
Azobenzene
Concen: 19.564 ng
RT: 10.698 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 77 Resp: 29540

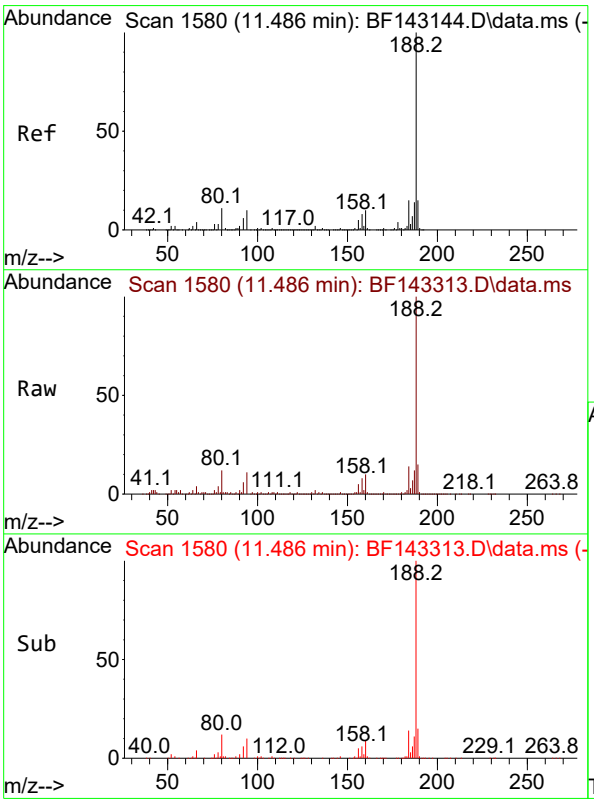
Ion	Ratio	Lower	Upper
77	100		
182	25.8	4.6	44.6
105	24.8	1.4	41.4
51	33.6	13.7	53.7



Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

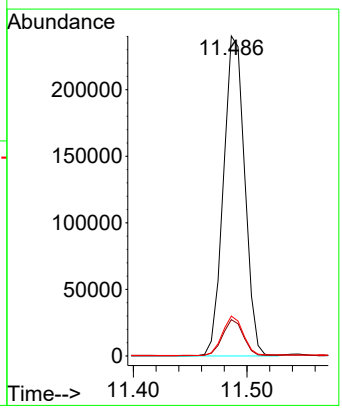
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

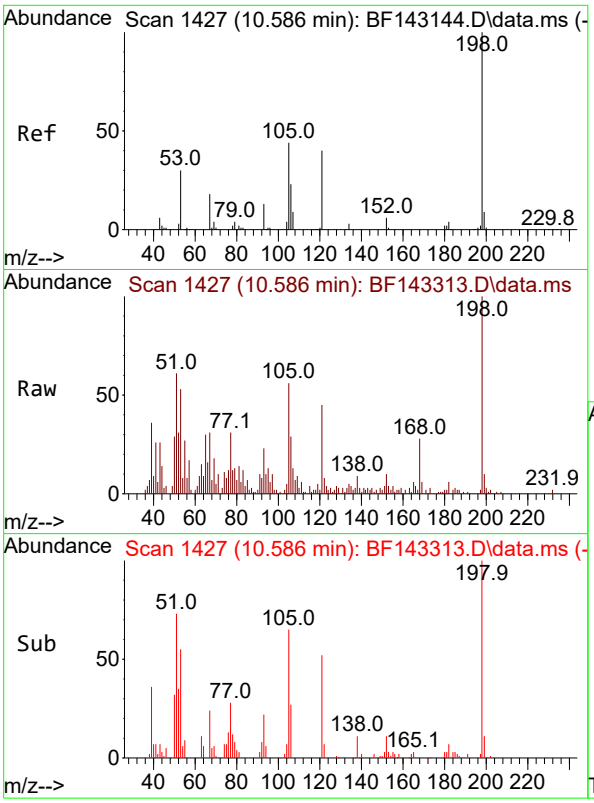


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:188 Resp: 312204

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.3	12.5
80	12.4	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 13.794 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

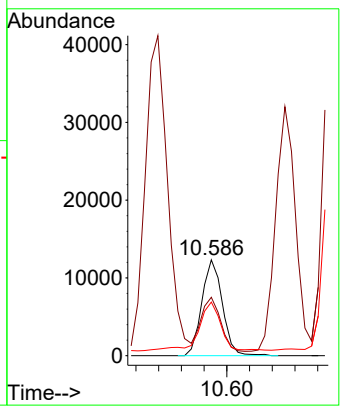
Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

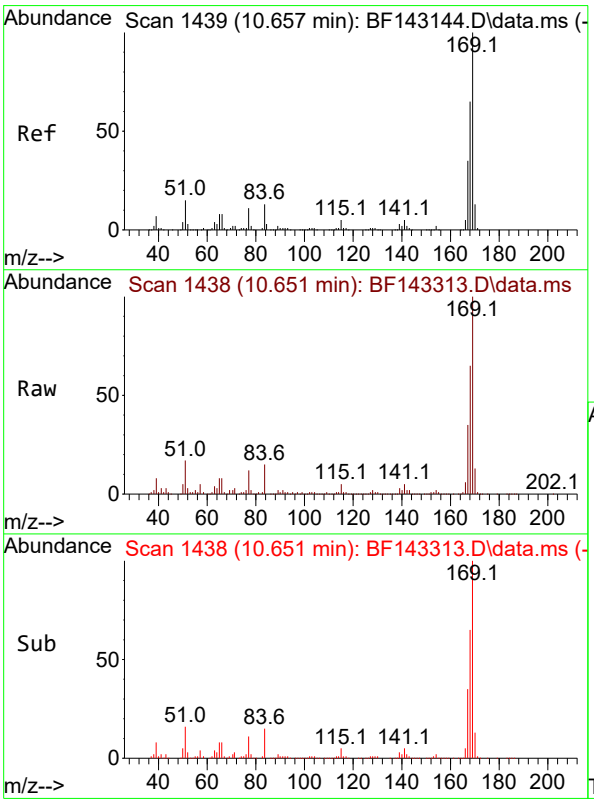
Tgt Ion:198 Resp: 1546

Ion	Ratio	Lower	Upper
198	100		
51	60.9	37.2	77.2
105	55.9	24.8	64.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

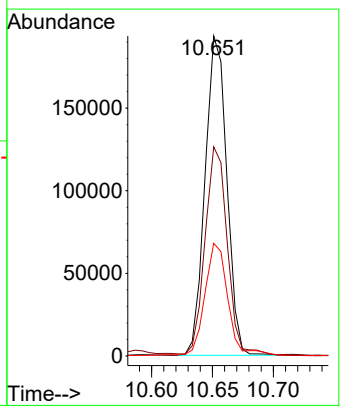


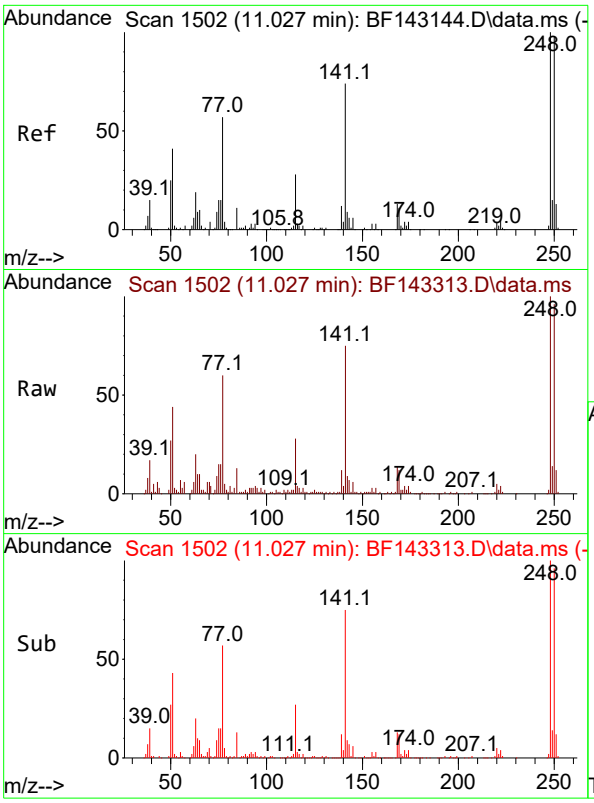


#66
n-Nitrosodiphenylamine
Concen: 21.866 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:169 Resp: 240384

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.1	78.1
167	35.2	28.2	42.2





#67
4-Bromophenyl-phenylether
Concen: 20.583 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

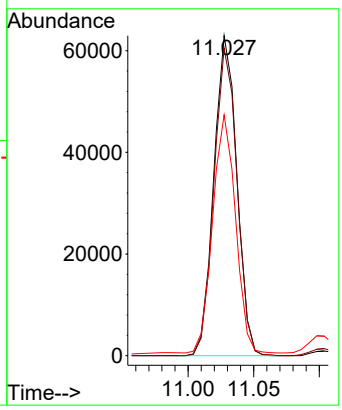
Tgt Ion:248 Resp: 7658

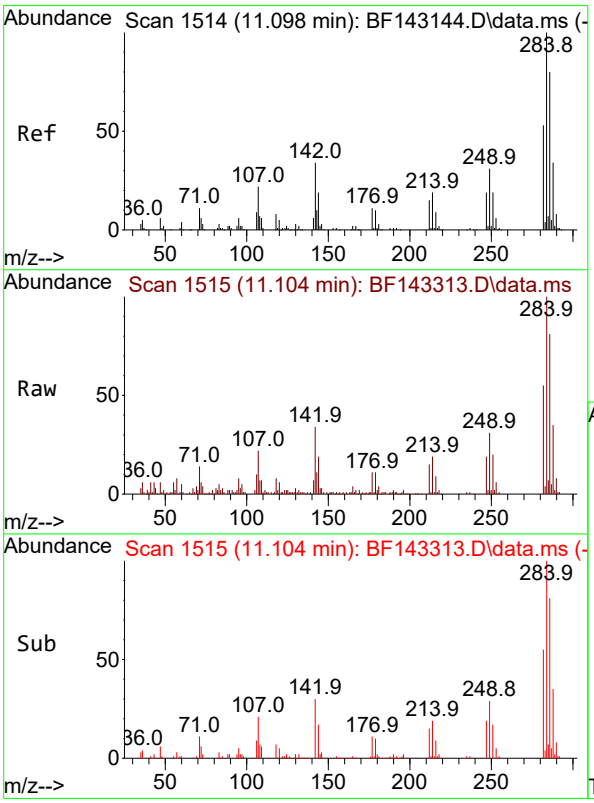
Ion	Ratio	Lower	Upper
248	100		
250	96.1	78.3	117.5
141	75.3	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

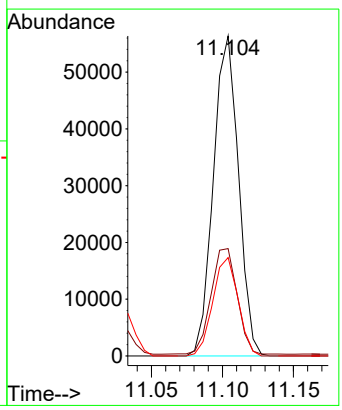


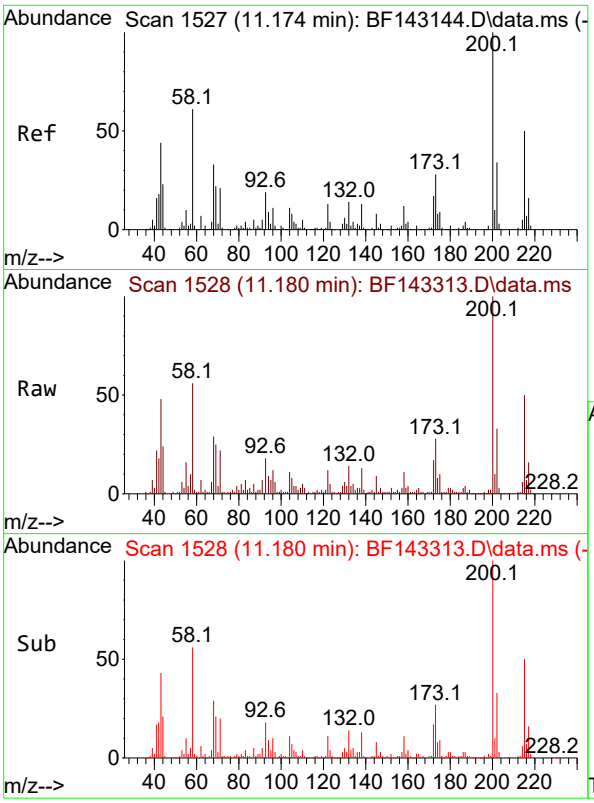


#68
Hexachlorobenzene
Concen: 17.841 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:284 Resp: 69382

Ion	Ratio	Lower	Upper
284	100		
142	33.5	27.0	40.6
249	30.8	25.0	37.6





#69
Atrazine
Concen: 22.647 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

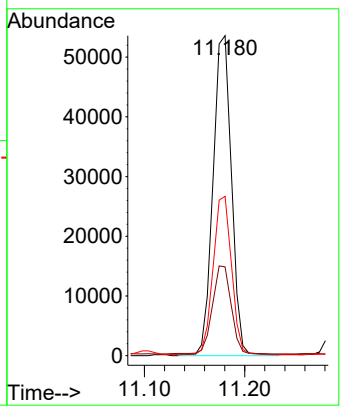
Tgt Ion:200 Resp: 6864

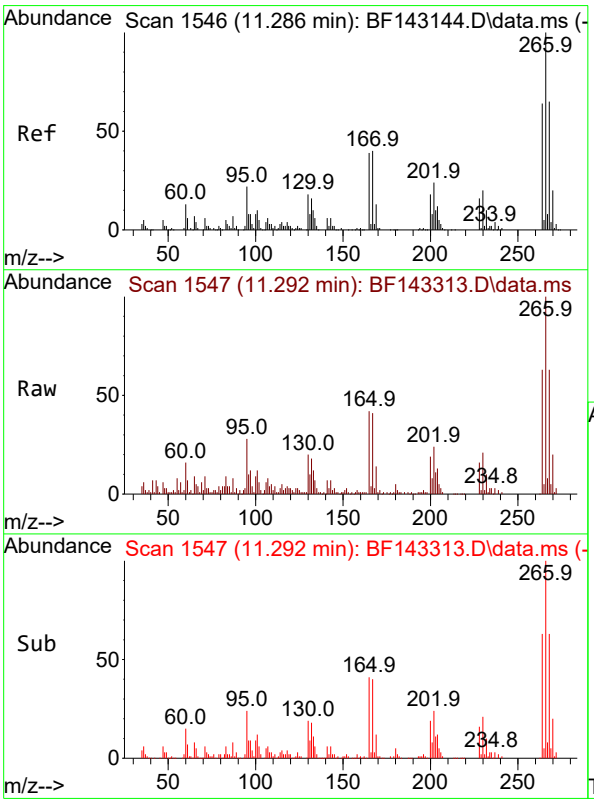
Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.9	47.9
215	49.8	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

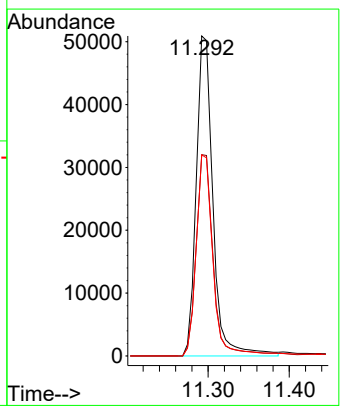


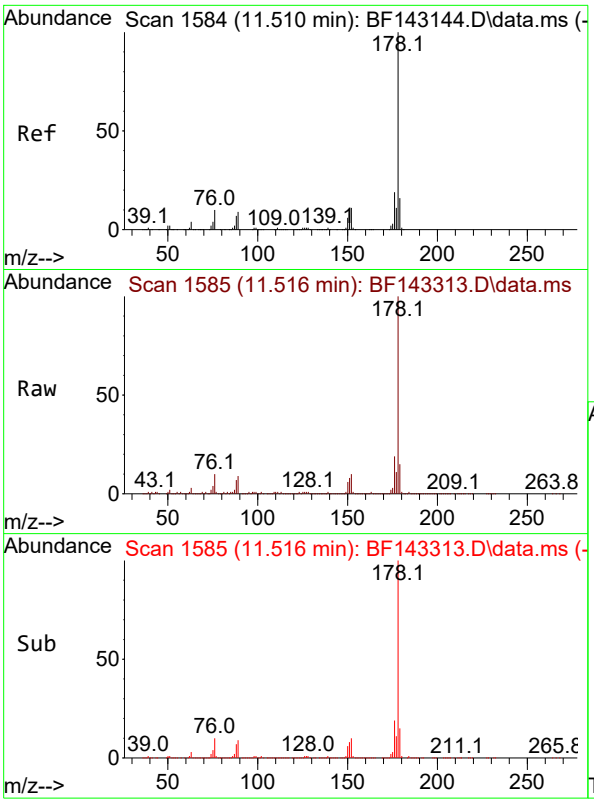


#70
Pentachlorophenol
Concen: 31.892 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:266 Resp: 72936

Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.9	77.9
264	62.9	51.0	76.6





#71
Phenanthrene
Concen: 27.339 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

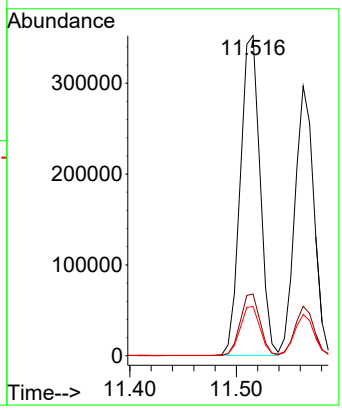
Tgt Ion:178 Resp: 45320

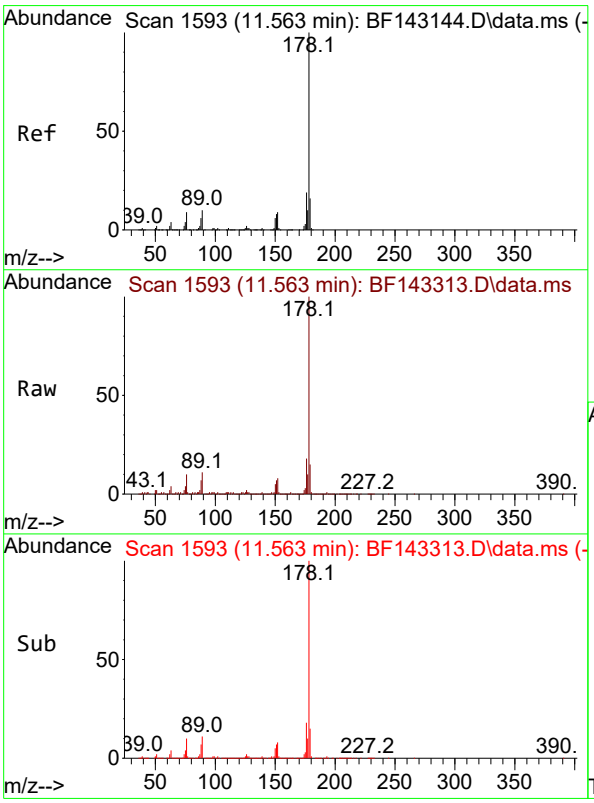
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.3	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

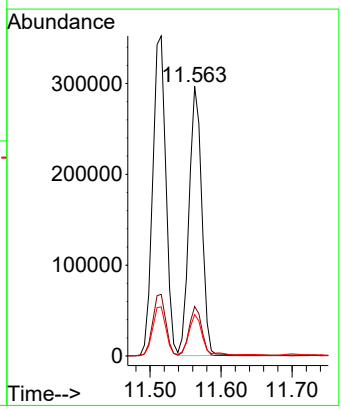


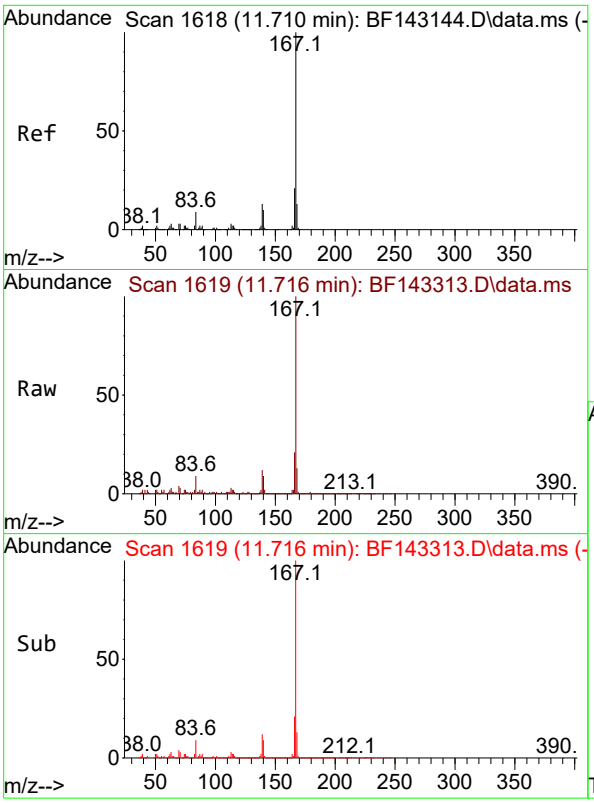


#72
Anthracene
Concen: 21.800 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:178 Resp: 368566

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.3	12.5	18.7





#73
Carbazole
Concen: 21.598 ng
RT: 11.716 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

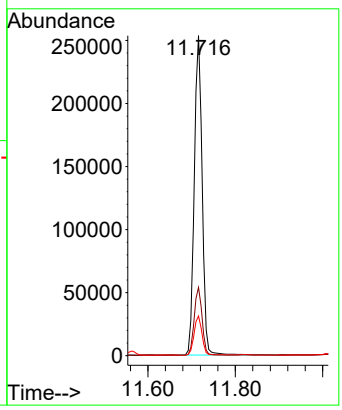
Tgt Ion:167 Resp: 31885(

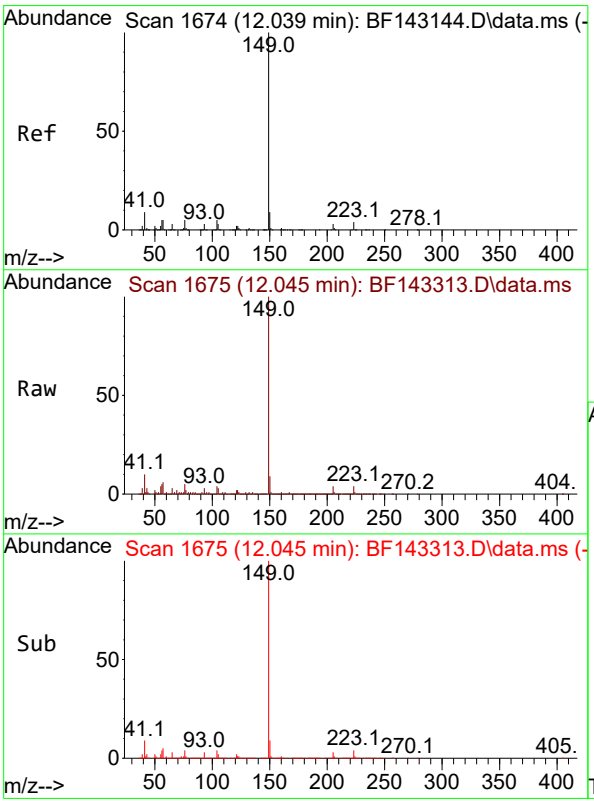
Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.4	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

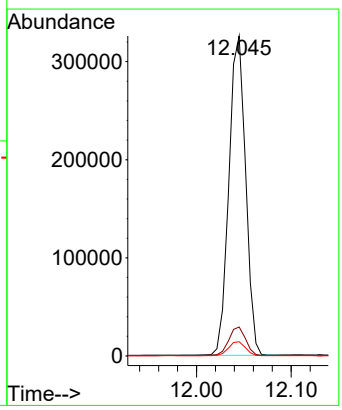


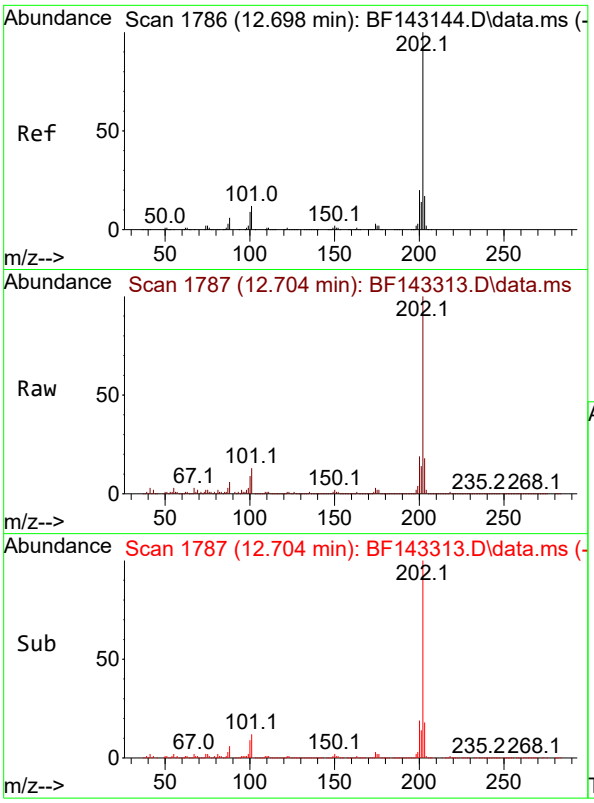


#74
Di-n-butylphthalate
Concen: 23.896 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:149 Resp: 399160

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.5	3.8	5.8





#75
Fluoranthene
Concen: 45.155 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

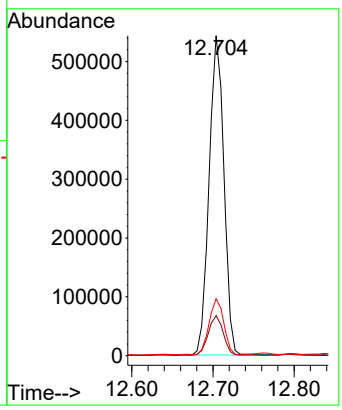
Tgt Ion:202 Resp: 687059

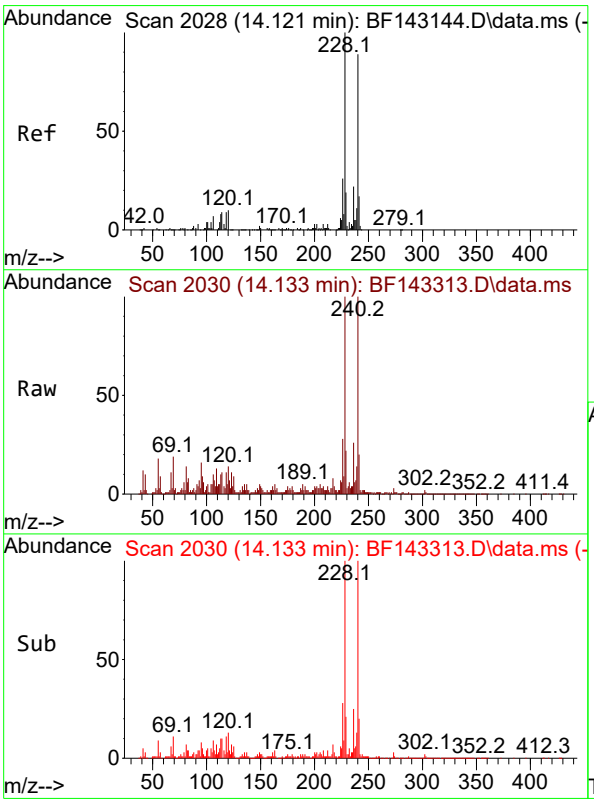
Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.7
203	17.8	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

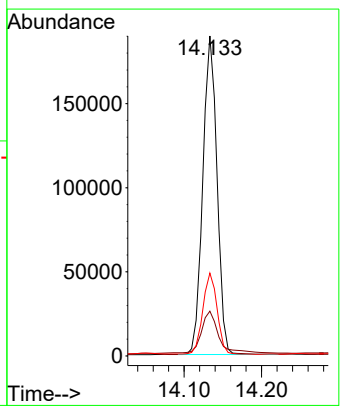


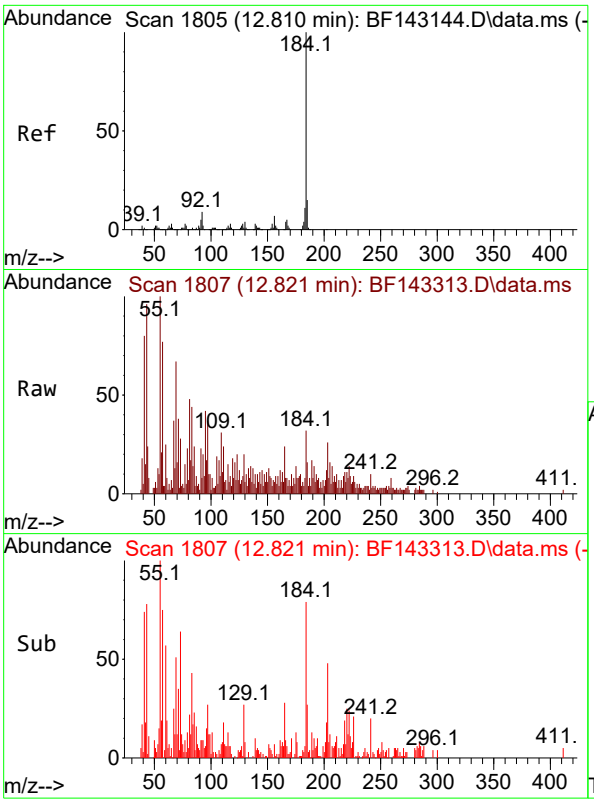


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:240 Resp: 241353

Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.4	14.2
236	25.9	20.2	30.4





#77
Benzidine
Concen: 0.744 ng
RT: 12.821 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

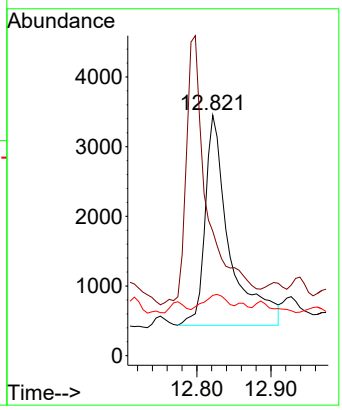
Tgt Ion:184 Resp: 691

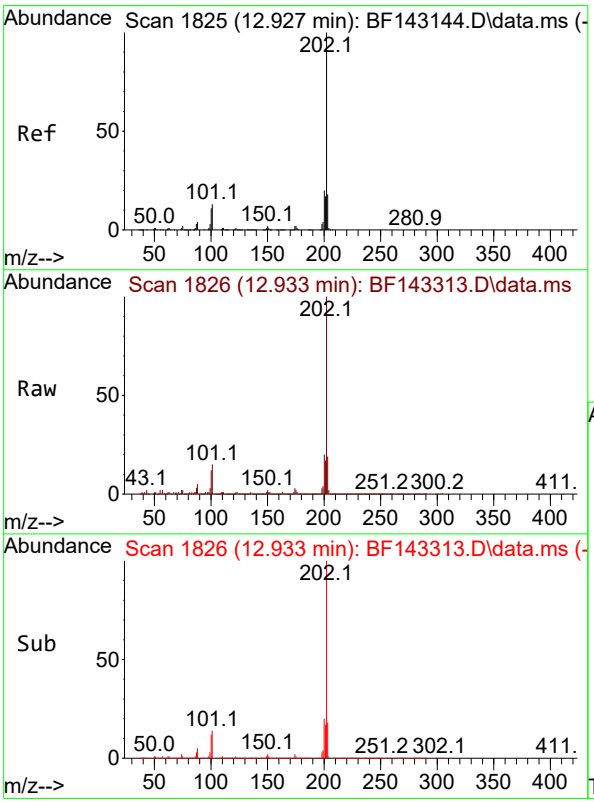
Ion	Ratio	Lower	Upper
184	100		
185	51.8	12.2	18.4
183	25.1	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

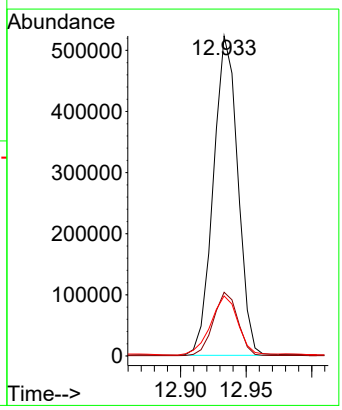


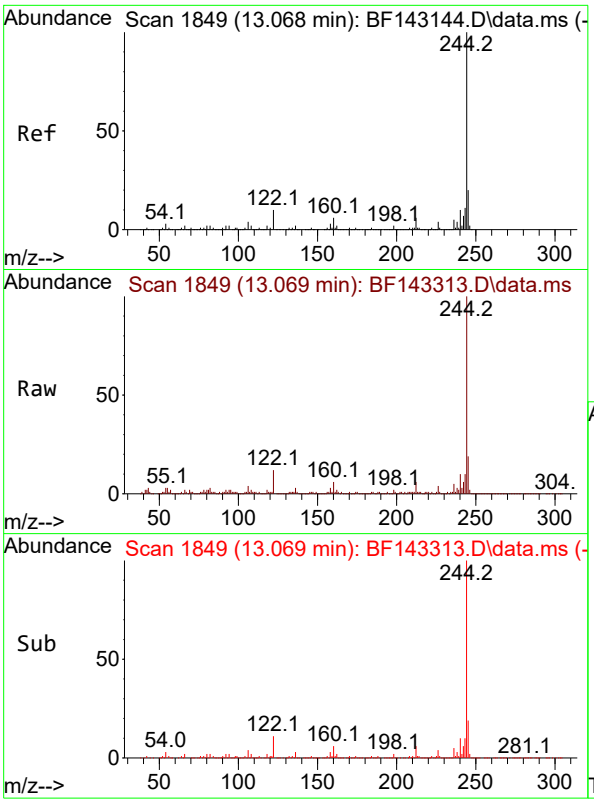


#78
Pyrene
Concen: 32.867 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:202 Resp: 677000

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	18.8	14.2	21.2





#79
Terphenyl-d14
Concen: 23.499 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

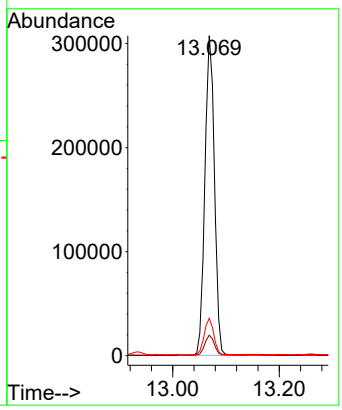
Tgt Ion:244 Resp: 38112

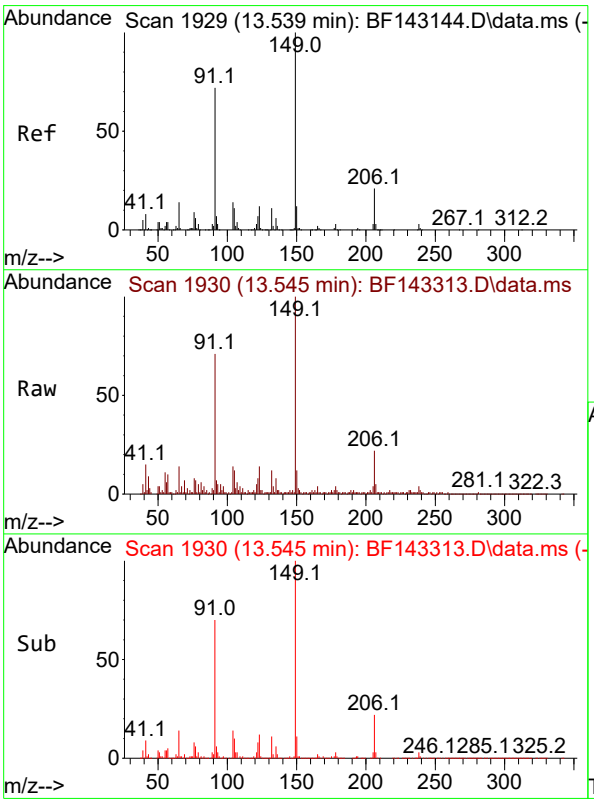
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.7	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

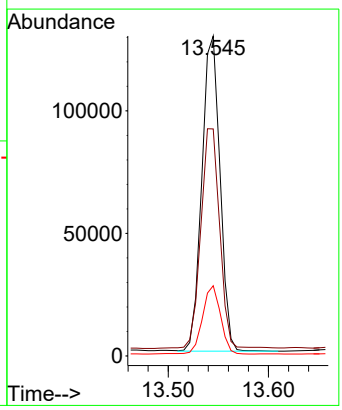


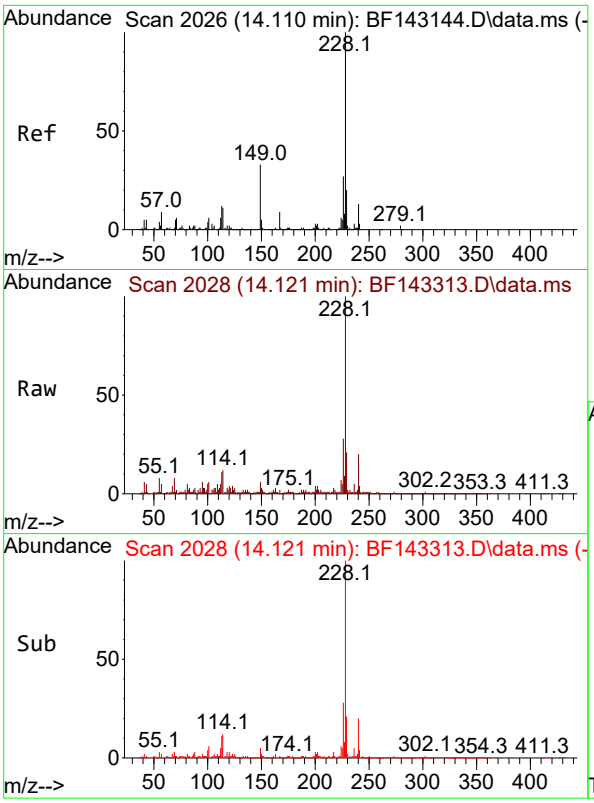


#80
Butylbenzylphthalate
Concen: 25.730 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:149 Resp: 162294

Ion	Ratio	Lower	Upper
149	100		
91	71.0	57.9	86.9
206	22.0	17.0	25.4





#81
Benzo(a)anthracene
Concen: 30.942 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

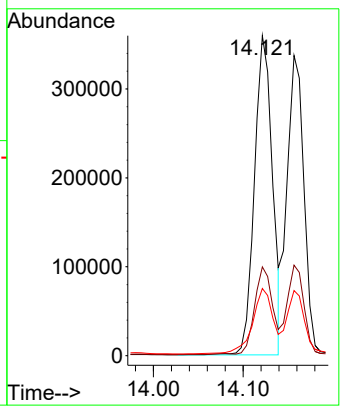
Tgt Ion:228 Resp: 49998(

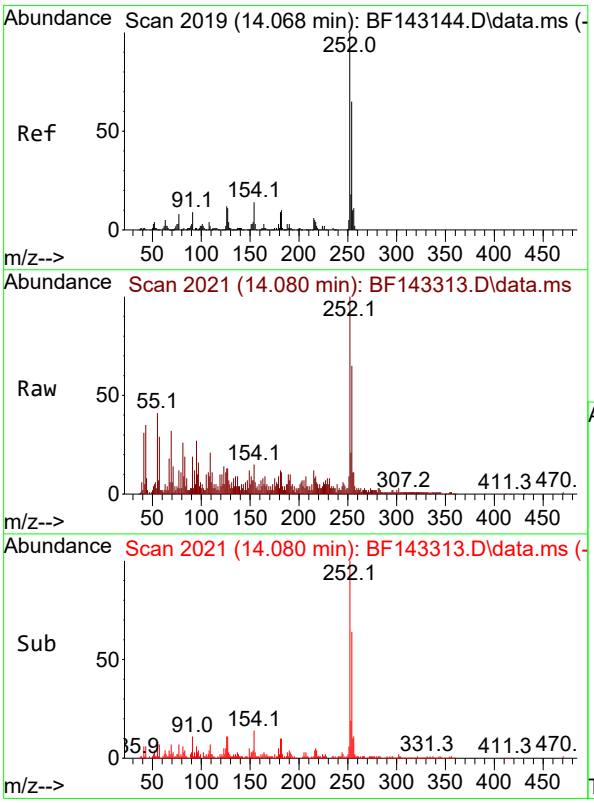
Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	21.0	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

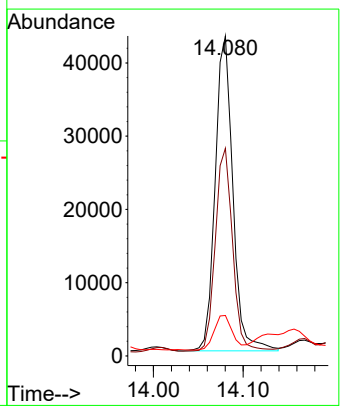


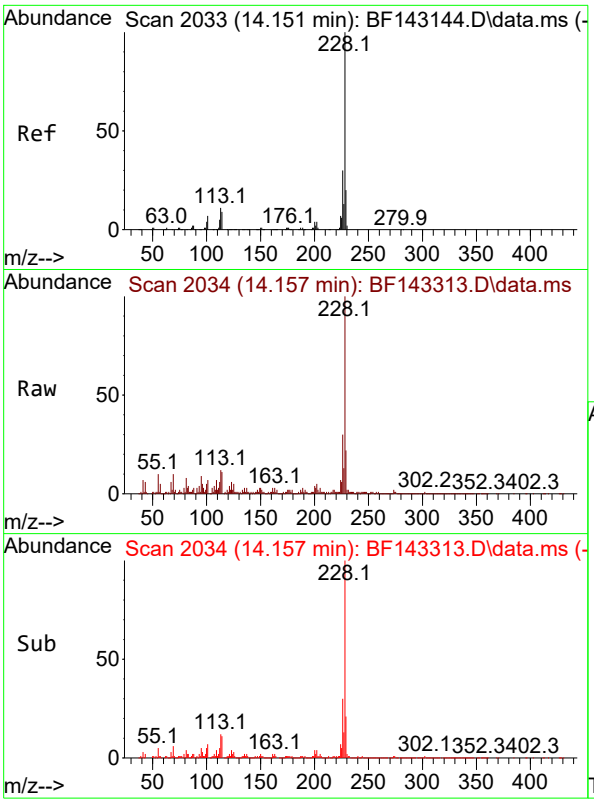


#82
3,3'-Dichlorobenzidine
Concen: 10.935 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:252 Resp: 58890

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	12.7	9.4	14.0





#83
Chrysene
Concen: 30.184 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

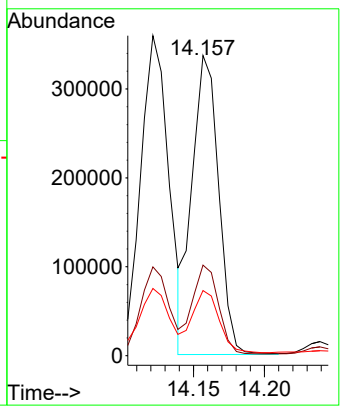
Tgt Ion:228 Resp: 43851

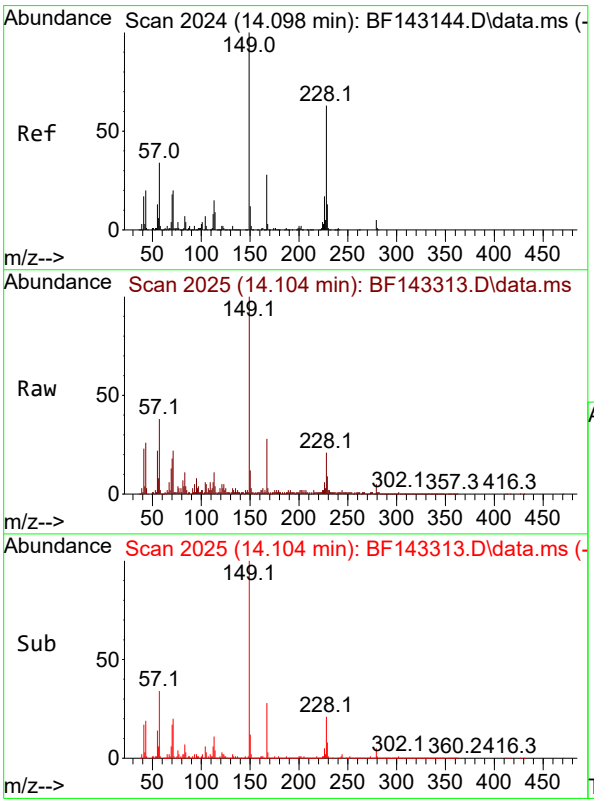
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	21.7	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

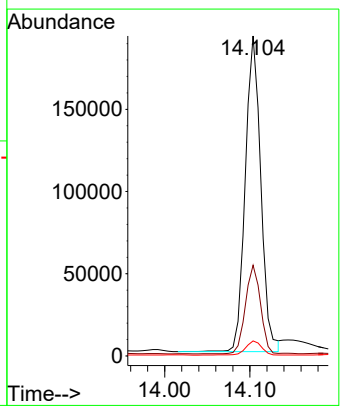


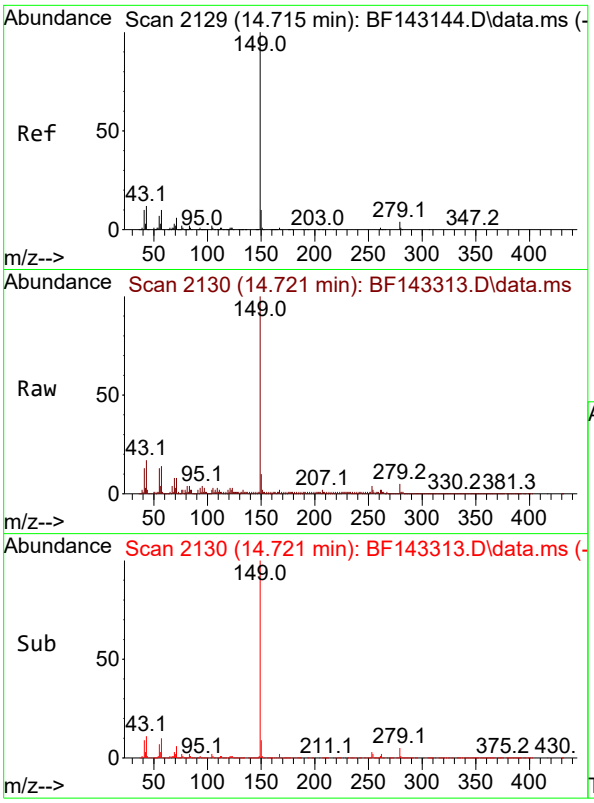


#84
Bis(2-ethylhexyl)phthalate
Concen: 25.451 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:149 Resp: 242982

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.3	33.5
279	4.7	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 22.740 ng
RT: 14.721 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

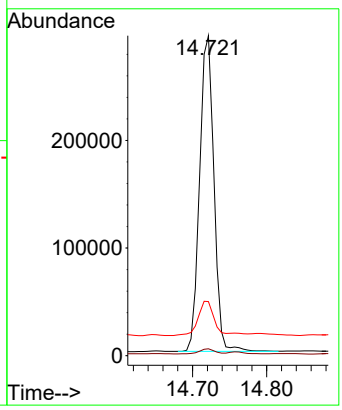
Tgt Ion:149 Resp: 39351

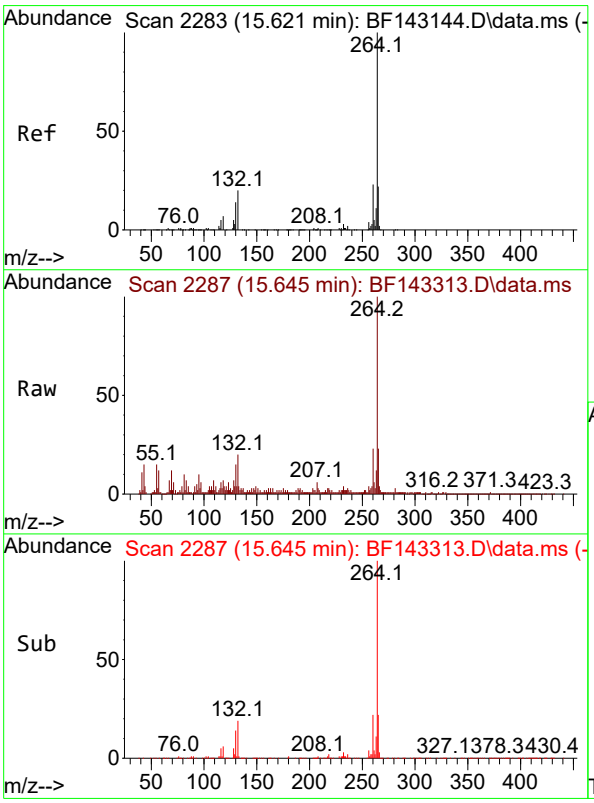
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7
43	12.0	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

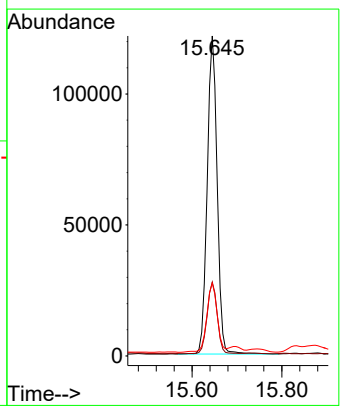


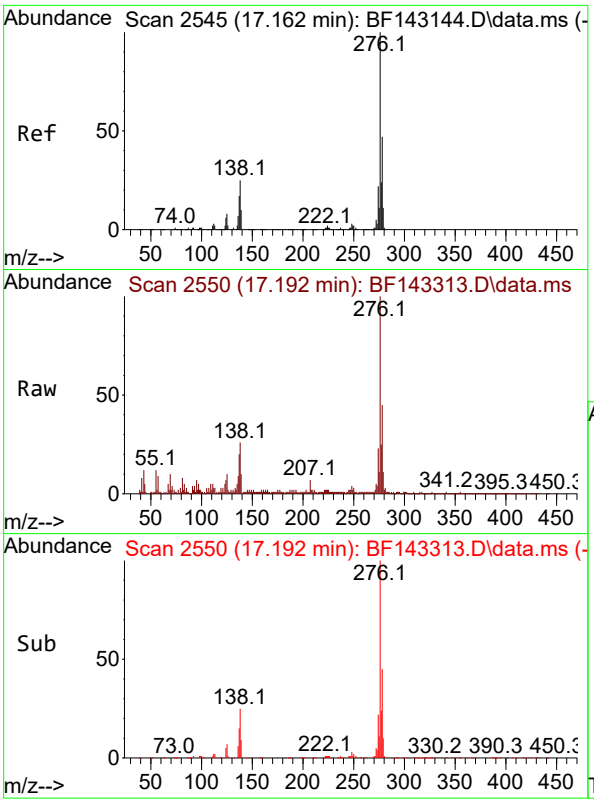


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:264 Resp: 186398

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.8	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 18.738 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

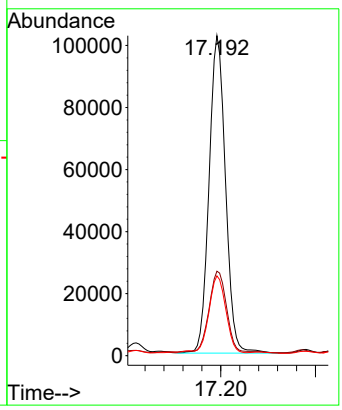
Tgt Ion:276 Resp: 24628

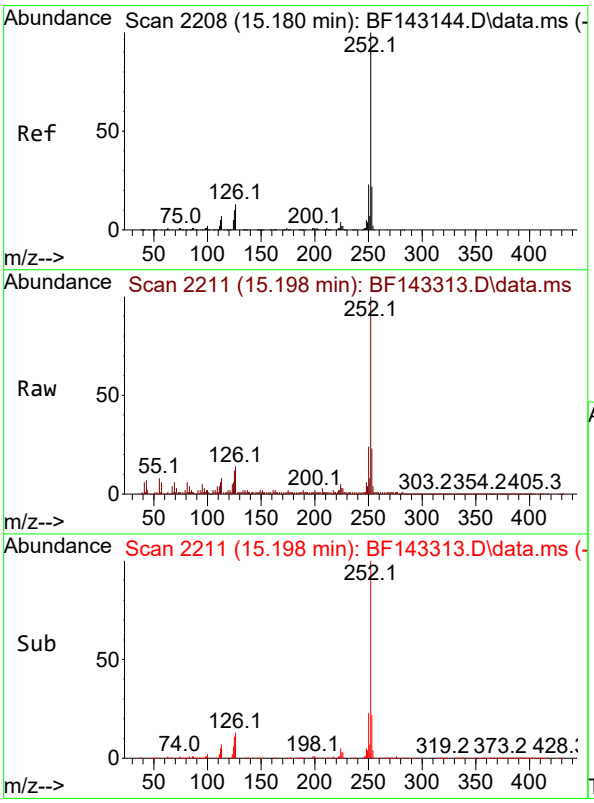
Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.8	32.6
277	24.4	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

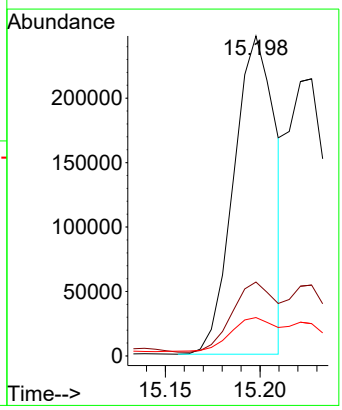


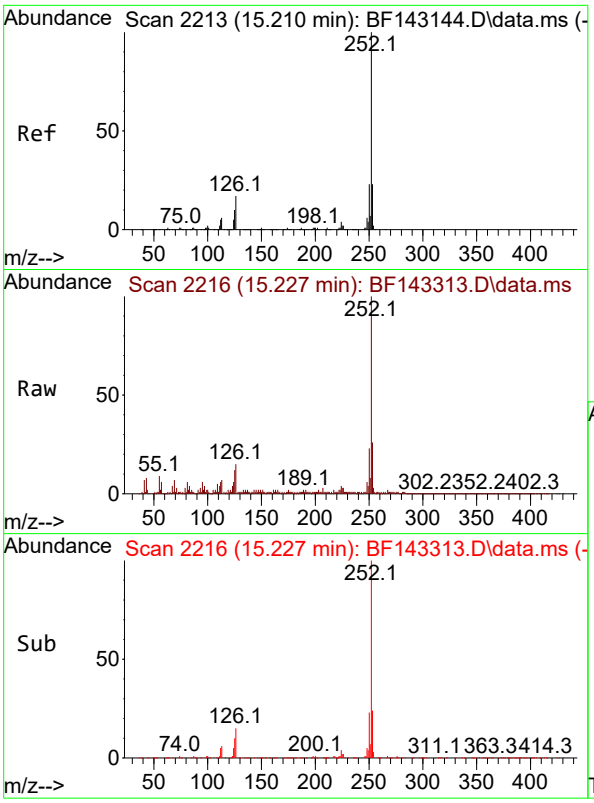


#88
Benzo(b)fluoranthene
Concen: 33.042 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:252 Resp: 376253

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.0	8.0	12.0#





#89
Benzo(k)fluoranthene
Concen: 29.933 ng m
RT: 15.227 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

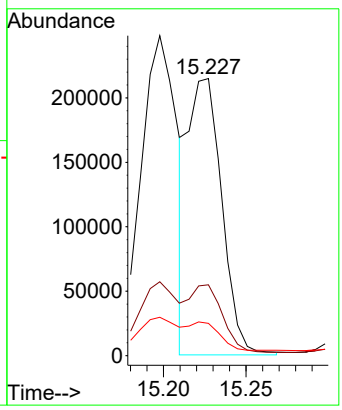
Tgt Ion:252 Resp: 30415

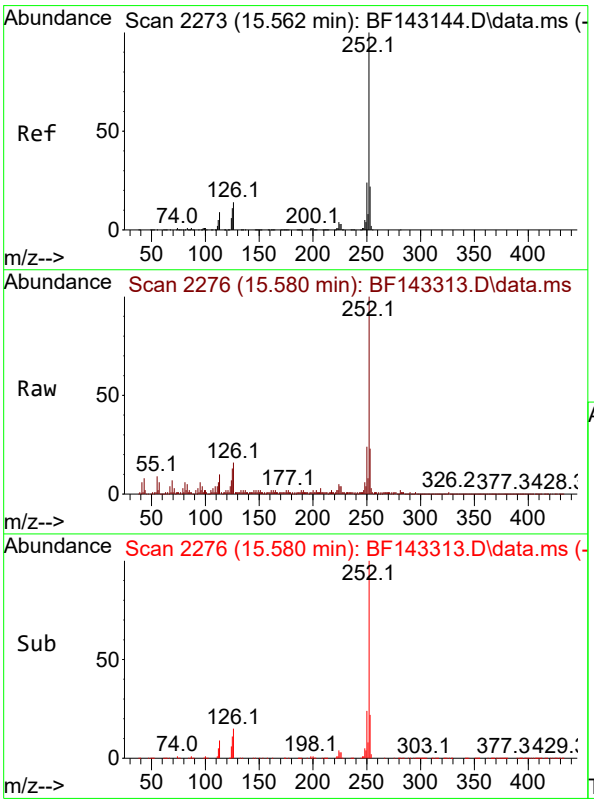
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.8	26.6
125	11.7	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

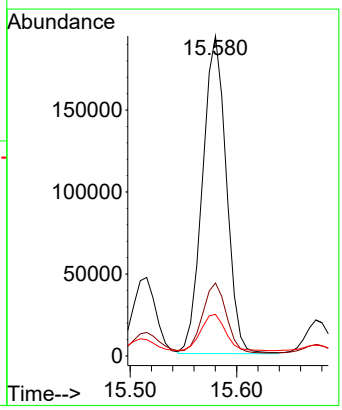


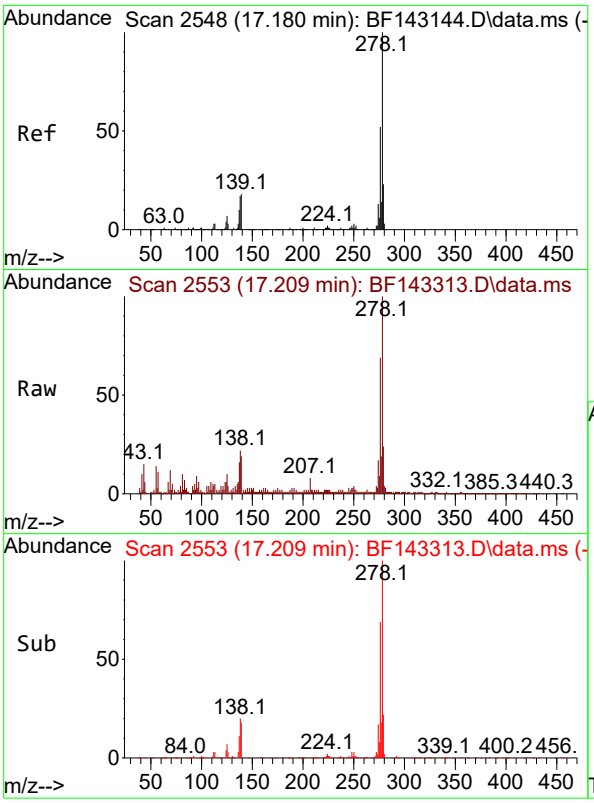


#90
Benzo(a)pyrene
Concen: 28.714 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:252 Resp: 301255

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	13.0	8.6	13.0#





#91
Dibenzo(a,h)anthracene
Concen: 16.348 ng
RT: 17.209 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

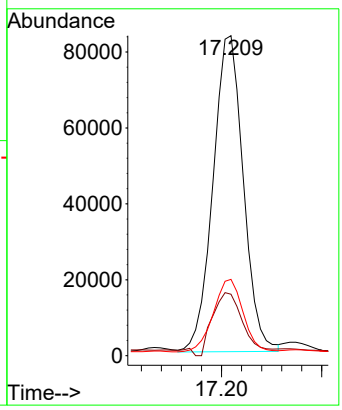
Tgt Ion:278 Resp: 17488

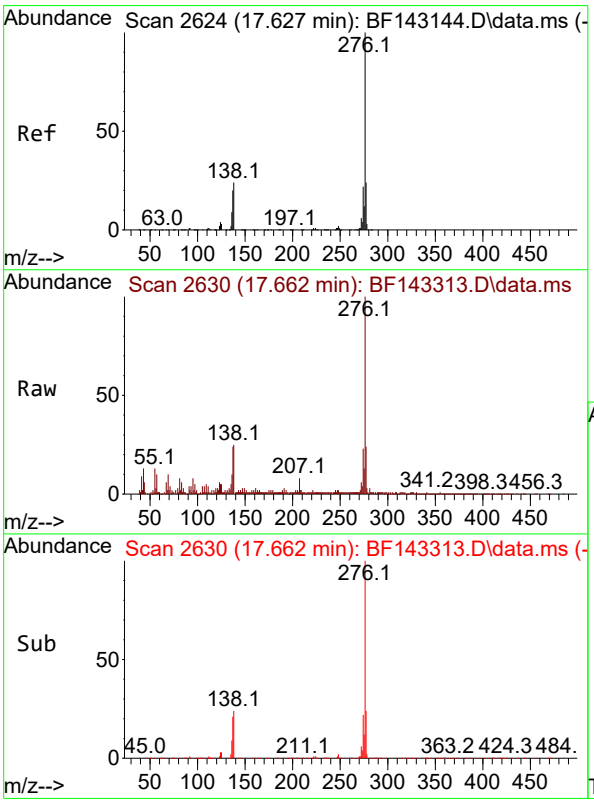
Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.1	21.1
279	23.8	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

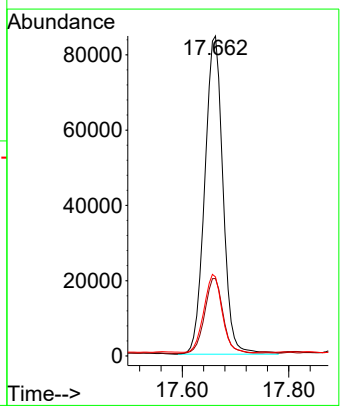




#92
Benzo(g,h,i)perylene
Concen: 19.403 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:276 Resp: 200796

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	24.7	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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MSD	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.1
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
BF143314.D	2	08/04/25 09:20	08/05/25 14:28	PB169095

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units(Dry Weight)
TARGETS							
91-20-3	Naphthalene	0.93		0.030	0.17	0.23	mg/Kg
91-57-6	2-Methylnaphthalene	0.91		0.034	0.17	0.23	mg/Kg
208-96-8	Acenaphthylene	0.94		0.039	0.17	0.23	mg/Kg
83-32-9	Acenaphthene	0.93		0.028	0.17	0.23	mg/Kg
86-73-7	Fluorene	0.91		0.034	0.17	0.23	mg/Kg
85-01-8	Phenanthrene	1.30		0.028	0.17	0.23	mg/Kg
120-12-7	Anthracene	1.00		0.044	0.17	0.23	mg/Kg
206-44-0	Fluoranthene	2.20		0.040	0.17	0.23	mg/Kg
129-00-0	Pyrene	1.60		0.048	0.17	0.23	mg/Kg
56-55-3	Benzo(a)anthracene	1.40		0.031	0.17	0.23	mg/Kg
218-01-9	Chrysene	1.40		0.027	0.17	0.23	mg/Kg
205-99-2	Benzo(b)fluoranthene	1.50		0.025	0.17	0.23	mg/Kg
207-08-9	Benzo(k)fluoranthene	1.40		0.030	0.17	0.23	mg/Kg
50-32-8	Benzo(a)pyrene	1.40		0.039	0.17	0.23	mg/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	0.93		0.039	0.17	0.23	mg/Kg
53-70-3	Dibenzo(a,h)anthracene	0.79		0.037	0.17	0.23	mg/Kg
191-24-2	Benzo(g,h,i)perylene	0.95		0.034	0.17	0.23	mg/Kg
SURROGATES							
4165-60-0	Nitrobenzene-d5	60.6		37 - 122		61%	SPK: 100
321-60-8	2-Fluorobiphenyl	64.5		44 - 115		64%	SPK: 100
1718-51-0	Terphenyl-d14	50.7	*	54 - 127		51%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	120000	6.963				
1146-65-2	Naphthalene-d8	448000	8.245				
15067-26-2	Acenaphthene-d10	200000	10.004				
1517-22-2	Phenanthrene-d10	276000	11.486				
1719-03-5	Chrysene-d12	210000	14.133				
1520-96-3	Perylene-d12	155000	15.645				

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:	07/31/25
Project:	Raymark Superfund Site	Date Received:	07/31/25
Client Sample ID:	VNJ-253MSD	SDG No.:	Q2747
Lab Sample ID:	Q2734-01MSD	Matrix:	SOIL
Analytical Method:	8270E	% Solid:	90.1
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
BF143314.D	2	08/04/25 09:20	08/05/25 14:28	PB169095

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\BF080525\
Data File : BF143314.D
Acq On : 05 Aug 2025 14:28
Operator : RC/JU
Sample : Q2734-01MSD 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 05 14:49:08 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 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.963	152	119894	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	447775	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	200201	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	276419	20.000	ng		0.00
76) Chrysene-d12	14.133	240	209954	20.000	ng		0.01
86) Perylene-d12	15.645	264	154652	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.598	112	330350	43.602	ng		0.01
7) Phenol-d6	6.592	99	428488	44.932	ng		0.00
23) Nitrobenzene-d5	7.516	82	272013	30.281	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	78547	37.979	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	471839	32.232	ng		0.00
79) Terphenyl-d14	13.069	244	357534	25.341	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	64879	18.097	ng		99
3) Pyridine	3.604	79	162633	17.478	ng		100
4) n-Nitrosodimethylamine	3.528	42	98107	20.421	ng		98
6) Aniline	6.622	93	84743	6.376	ng	#	80
8) 2-Chlorophenol	6.751	128	166476	20.962	ng		98
9) Benzaldehyde	6.510	77	104462	14.608	ng		98
10) Phenol	6.604	94	221950	21.364	ng		99
11) bis(2-Chloroethyl)ether	6.692	93	177329	22.293	ng		98
12) 1,3-Dichlorobenzene	6.904	146	176226	20.427	ng		99
13) 1,4-Dichlorobenzene	6.981	146	177803	20.465	ng		99
14) 1,2-Dichlorobenzene	7.134	146	171514	20.756	ng		98
15) Benzyl Alcohol	7.098	79	151728	20.838	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	309661	20.986	ng		97
17) 2-Methylphenol	7.216	107	138495	20.741	ng		99
18) Hexachloroethane	7.481	117	49572	16.482	ng		99
19) n-Nitroso-di-n-propyla...	7.363	70	124598	20.365	ng		96
20) 3+4-Methylphenols	7.363	107	173188	21.377	ng	#	70
22) Acetophenone	7.363	105	233314	22.008	ng	#	95
24) Nitrobenzene	7.539	77	181471	21.668	ng		100
25) Isophorone	7.781	82	337361	21.274	ng		99
26) 2-Nitrophenol	7.857	139	85862	23.623	ng		98
27) 2,4-Dimethylphenol	7.892	122	153155m	20.672	ng		
28) bis(2-Chloroethoxy)met...	7.987	93	207274	21.800	ng		99
29) 2,4-Dichlorophenol	8.104	162	127227	20.362	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	137977	20.440	ng		100
31) Naphthalene	8.269	128	462850	20.989	ng		100
32) Benzoic acid	7.981	122	75233	21.260	ng		98
33) 4-Chloroaniline	8.310	127	58350	6.480	ng		99
34) Hexachlorobutadiene	8.386	225	83154	20.166	ng		99
35) Caprolactam	8.657	113	40704	21.558	ng		91
36) 4-Chloro-3-methylphenol	8.792	107	129818	19.116	ng		96
37) 2-Methylnaphthalene	8.957	142	275169	20.506	ng		100
38) 1-Methylnaphthalene	9.057	142	281572	20.377	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	132955	23.003	ng		98
41) Hexachlorocyclopentadiene	9.116	237	62	0.016	ng	#	27
43) 2,4,6-Trichlorophenol	9.233	196	82178	20.543	ng		99

Sample Results: **BF143314.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143314.D
Acq On : 05 Aug 2025 14:28
Operator : RC/JU
Sample : Q2734-01MSD 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 05 14:49:08 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 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.281	196	79149	19.780 ng		99
46) 1,1'-Biphenyl	9.422	154	363752	23.288 ng		99
47) 2-Chloronaphthalene	9.445	162	251508	21.762 ng		99
48) 2-Nitroaniline	9.533	65	84294	23.258 ng		98
49) Acenaphthylene	9.863	152	411753	21.259 ng		100
50) Dimethylphthalate	9.710	163	311940	23.904 ng		100
51) 2,6-Dinitrotoluene	9.775	165	61876	23.308 ng		98
52) Acenaphthene	10.033	154	240916	21.045 ng		97
53) 3-Nitroaniline	9.939	138	47642	15.343 ng		98
54) 2,4-Dinitrophenol	10.051	184	7916	12.695 ng		88
55) Dibenzofuran	10.204	168	351909	20.705 ng		99
56) 4-Nitrophenol	10.104	139	78452	33.834 ng		98
57) 2,4-Dinitrotoluene	10.175	165	72252	21.694 ng		99
58) Fluorene	10.551	166	260939	20.456 ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	60657	18.300 ng		97
60) Diethylphthalate	10.410	149	288769	22.388 ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	131501	20.703 ng		98
62) 4-Nitroaniline	10.551	138	48330	18.161 ng		98
63) Azobenzene	10.698	77	276717	20.585 ng		97
65) 4,6-Dinitro-2-methylph...	10.586	198	7479	9.992 ng		81
66) n-Nitrosodiphenylamine	10.651	169	224032	23.016 ng		98
67) 4-Bromophenyl-phenylether	11.027	248	72398	21.978 ng		99
68) Hexachlorobenzene	11.104	284	66007	19.171 ng		99
69) Atrazine	11.175	200	64155	23.908 ng		100
70) Pentachlorophenol	11.292	266	69356	34.253 ng		99
71) Phenanthrene	11.516	178	425693	29.004 ng		99
72) Anthracene	11.563	178	351413	23.476 ng		99
73) Carbazole	11.716	167	305670	23.386 ng		99
74) Di-n-butylphthalate	12.045	149	368926	24.945 ng		100
75) Fluoranthene	12.704	202	660664	49.041 ng		99
77) Benzidine	12.822	184	9478	1.172 ng	#	55
78) Pyrene	12.933	202	644926	35.992 ng		99
80) Butylbenzylphthalate	13.545	149	149527	27.252 ng		99
81) Benzo(a)anthracene	14.121	228	454225	32.314 ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	57677	12.311 ng		99
83) Chrysene	14.157	228	407381	32.234 ng		99
84) Bis(2-ethylhexyl)phtha...	14.104	149	219811	26.468 ng		99
85) Di-n-octyl phthalate	14.721	149	342644	22.761 ng	#	99
87) Indeno(1,2,3-cd)pyrene	17.192	276	228945	20.994 ng		99
88) Benzo(b)fluoranthene	15.198	252	324920	34.391 ng	#	96
89) Benzo(k)fluoranthene	15.227	252	261182m	30.980 ng		
90) Benzo(a)pyrene	15.580	252	267795	30.764 ng		97
91) Dibenzo(a,h)anthracene	17.209	278	157308	17.723 ng		97
92) Benzo(g,h,i)perylene	17.662	276	183201	21.337 ng		98

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

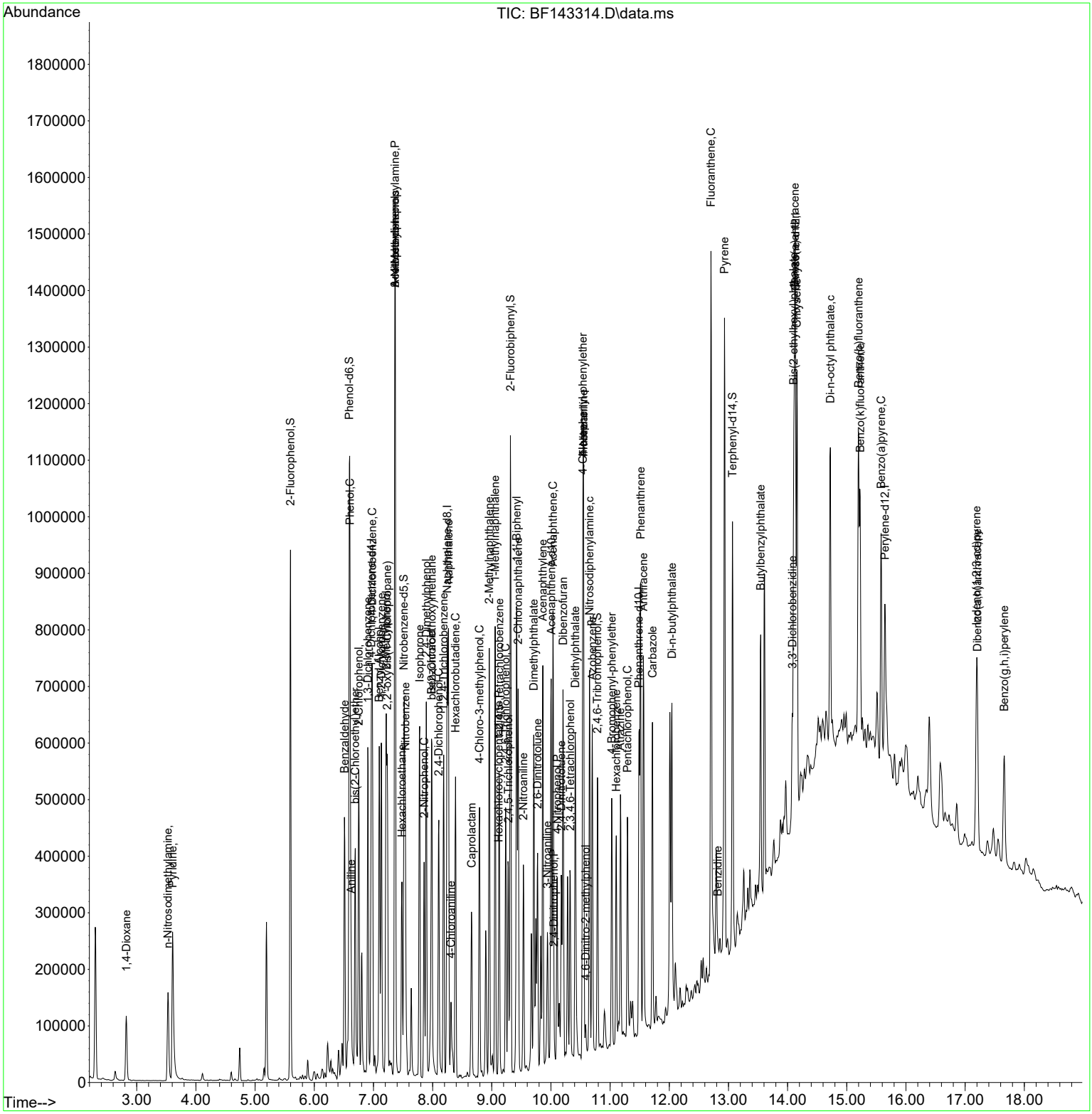
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143314.D
Acq On : 05 Aug 2025 14:28
Operator : RC/JU
Sample : Q2734-01MSD 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

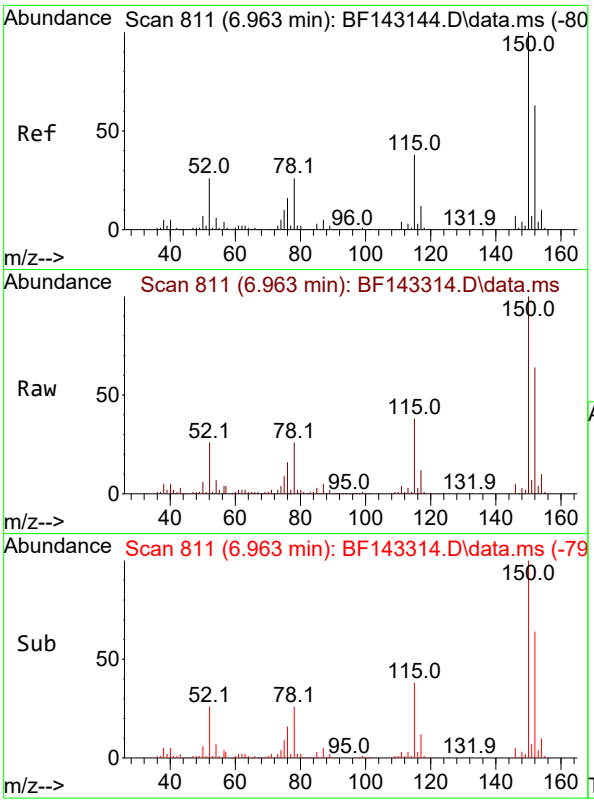
Quant Time: Aug 05 14:49:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

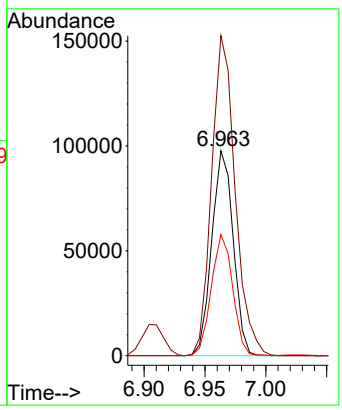
Tgt Ion:152 Resp: 11989

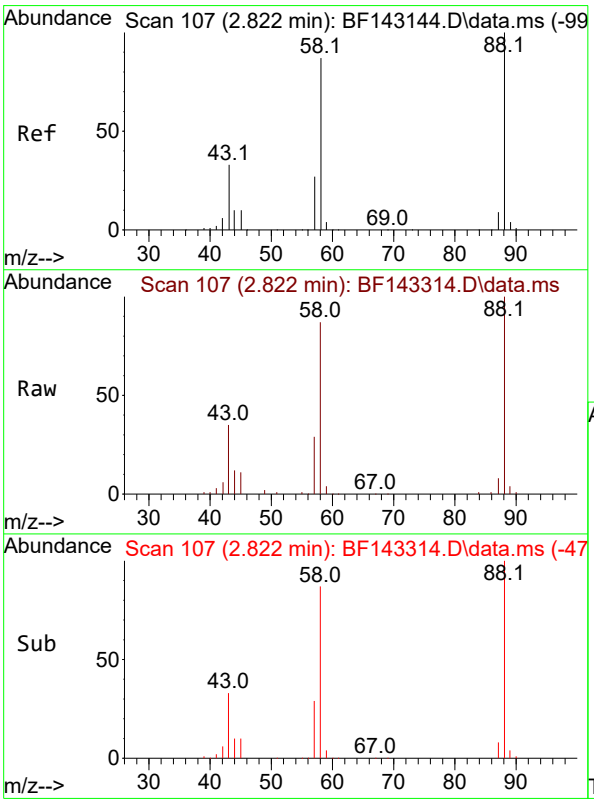
Ion	Ratio	Lower	Upper
152	100		
150	156.3	128.2	192.4
115	59.2	47.9	71.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

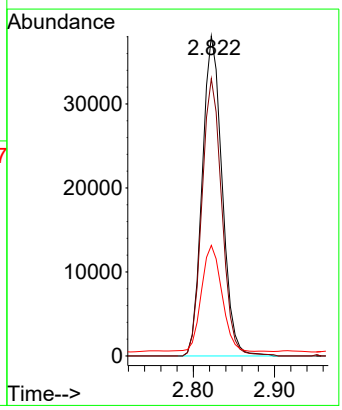


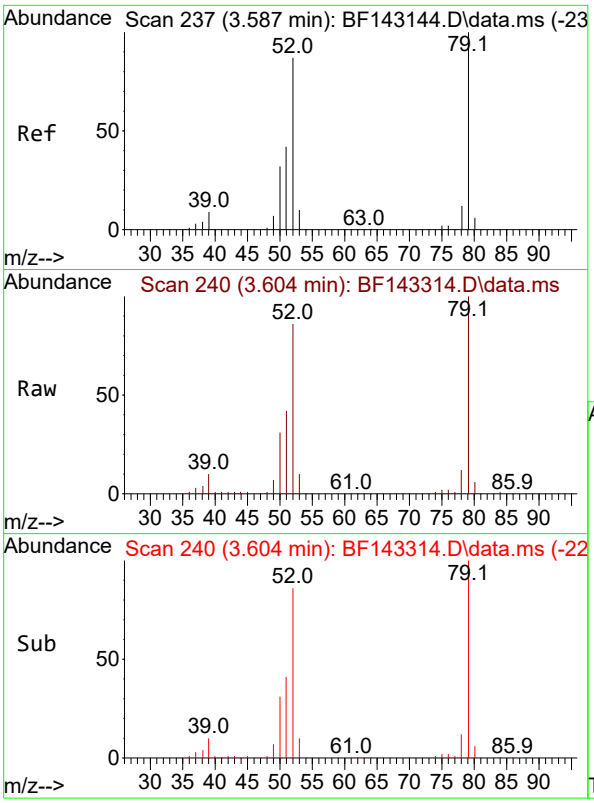


#2
1,4-Dioxane
Concen: 18.097 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 88 Resp: 64879

Ion	Ratio	Lower	Upper
88	100		
58	86.5	70.2	105.2
43	34.0	27.1	40.7





#3
Pyridine
Concen: 17.478 ng
RT: 3.604 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

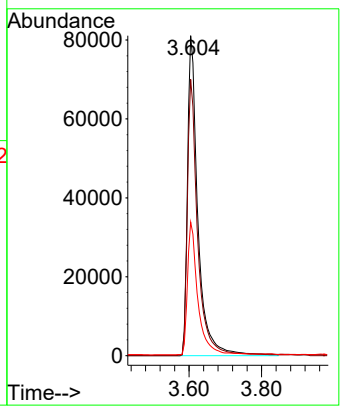
Tgt Ion: 79 Resp: 16263

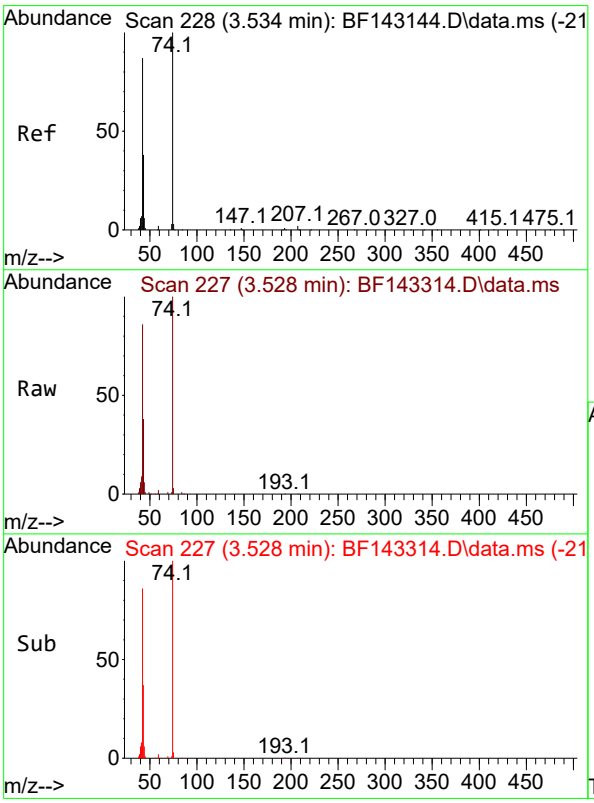
Ion	Ratio	Lower	Upper
79	100		
52	86.4	69.4	104.2
51	41.8	33.5	50.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

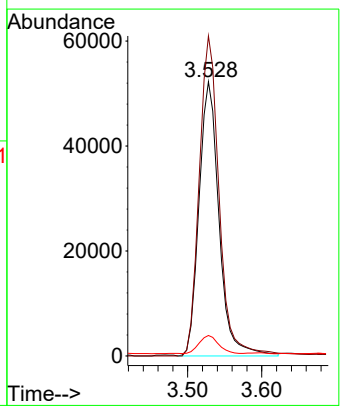


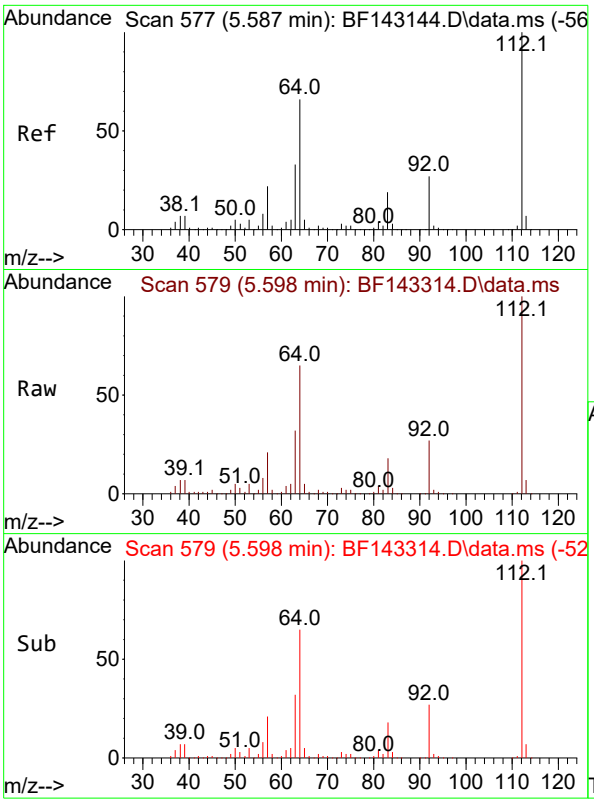


#4
n-Nitrosodimethylamine
Concen: 20.421 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 42 Resp: 98107

Ion	Ratio	Lower	Upper
42	100		
74	116.7	91.7	137.5
44	7.5	5.6	8.4





#5
2-Fluorophenol
Concen: 43.602 ng
RT: 5.598 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

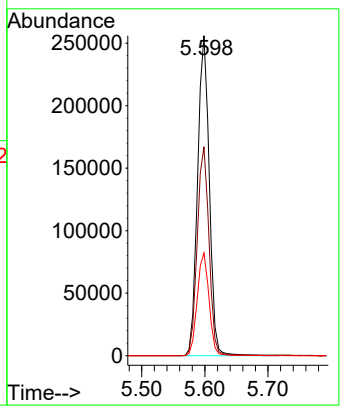
Tgt Ion:112 Resp: 33035

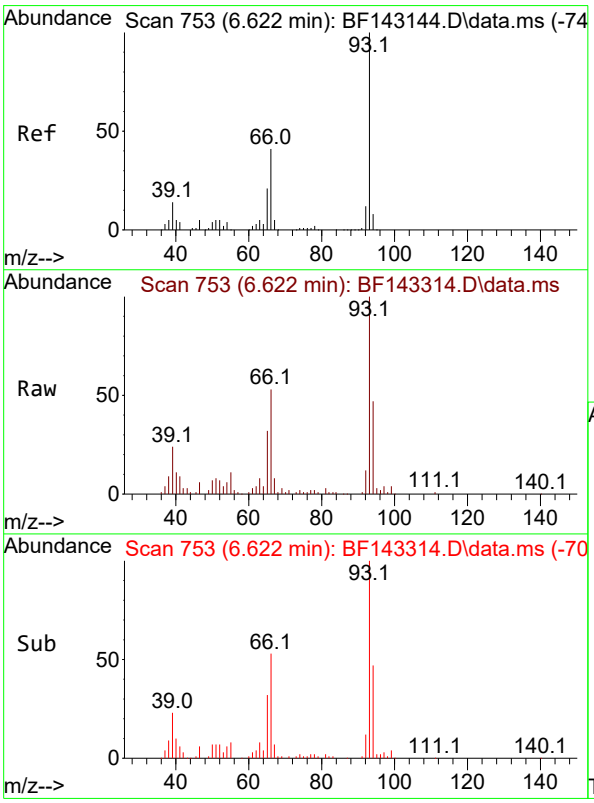
Ion	Ratio	Lower	Upper
112	100		
64	65.3	53.1	79.7
63	32.1	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

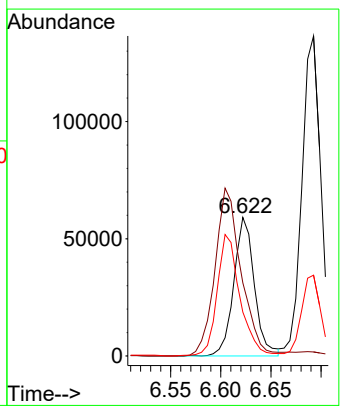


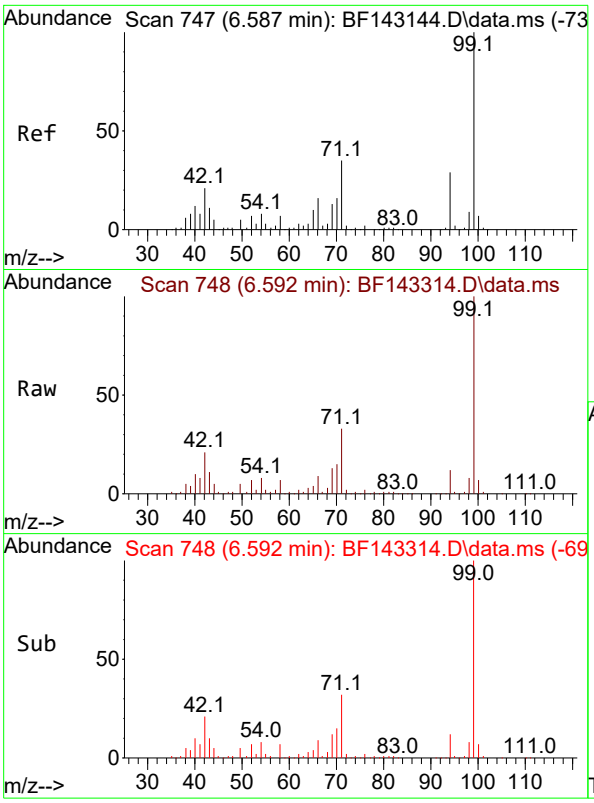


#6
Aniline
Concen: 6.376 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 93 Resp: 84743

Ion	Ratio	Lower	Upper
93	100		
66	52.8	33.2	49.8#
65	31.7	16.9	25.3#





#7
Phenol-d6
Concen: 44.932 ng
RT: 6.592 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

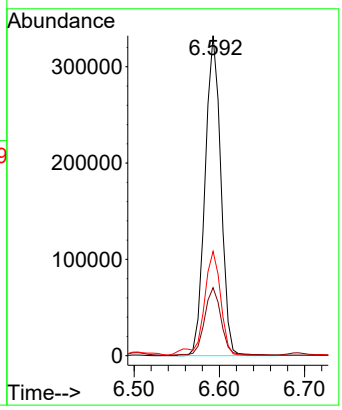
Tgt Ion: 99 Resp: 42848

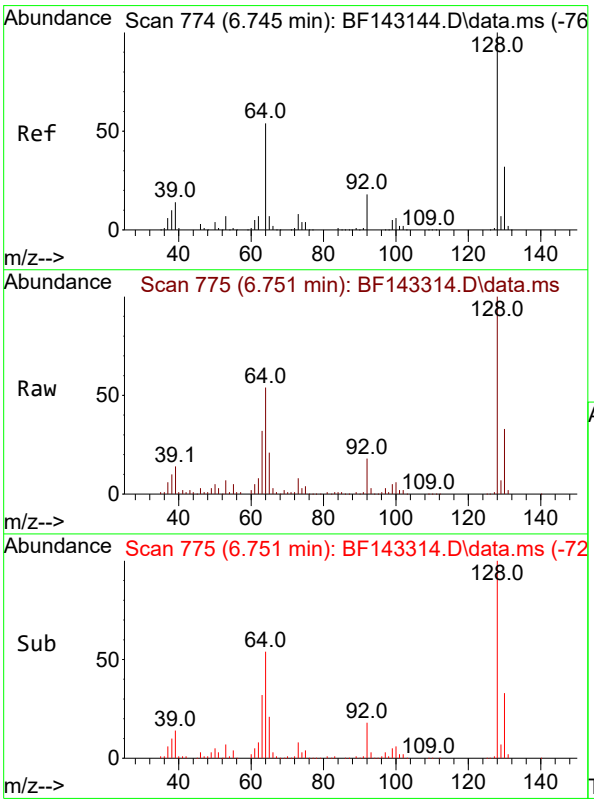
Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	32.6	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

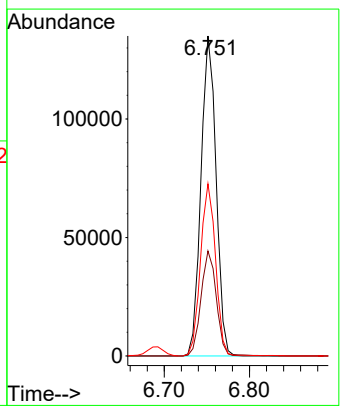


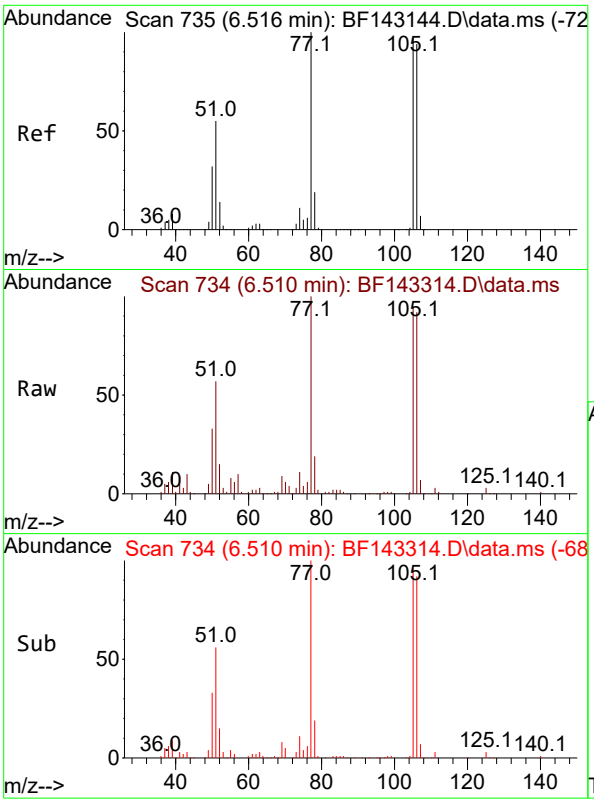


#8
2-Chlorophenol
Concen: 20.962 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:128 Resp: 166476

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	53.8	35.9	75.9





#9
Benzaldehyde
Concen: 14.608 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

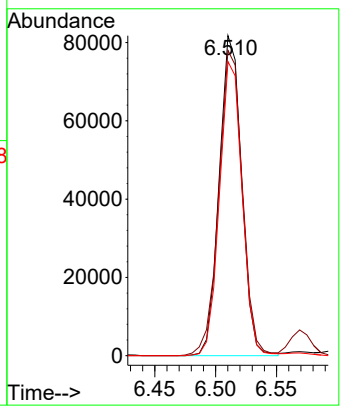
Tgt Ion: 77 Resp: 10446

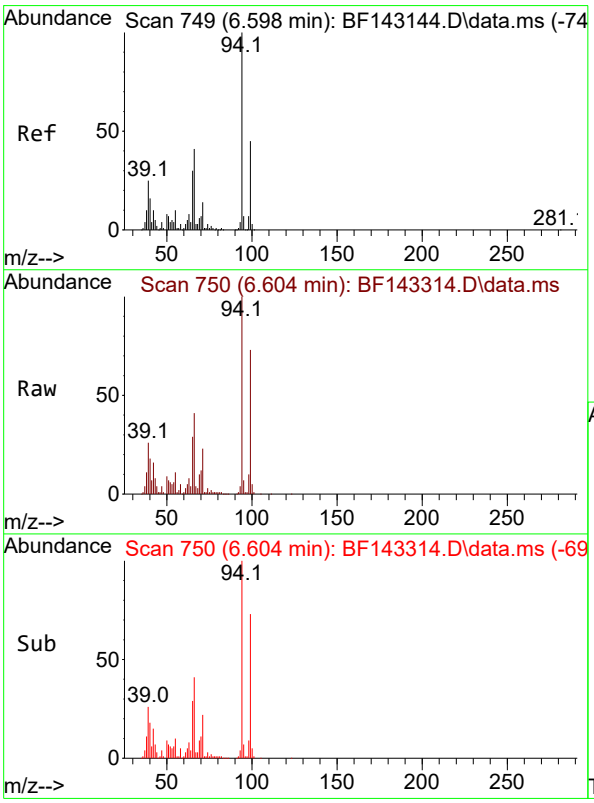
Ion	Ratio	Lower	Upper
77	100		
105	95.4	76.8	116.8
106	91.9	74.4	114.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

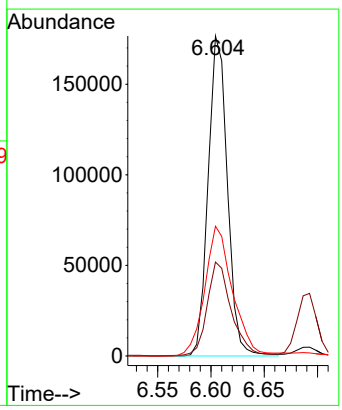


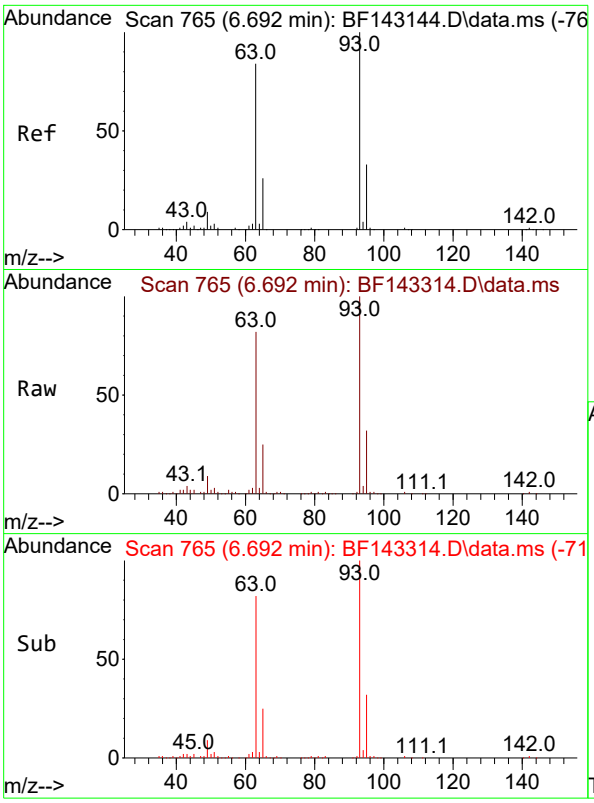


#10
Phenol
Concen: 21.364 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 94 Resp: 221950

Ion	Ratio	Lower	Upper
94	100		
65	29.3	10.0	50.0
66	40.5	20.8	60.8





#11
bis(2-Chloroethyl)ether
Concen: 22.293 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

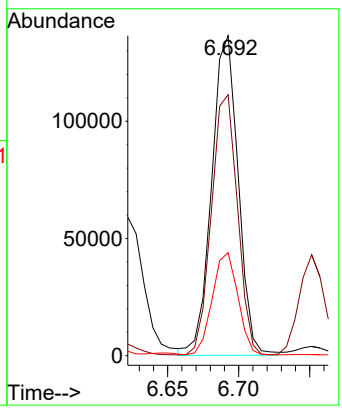
Tgt Ion: 93 Resp: 17732

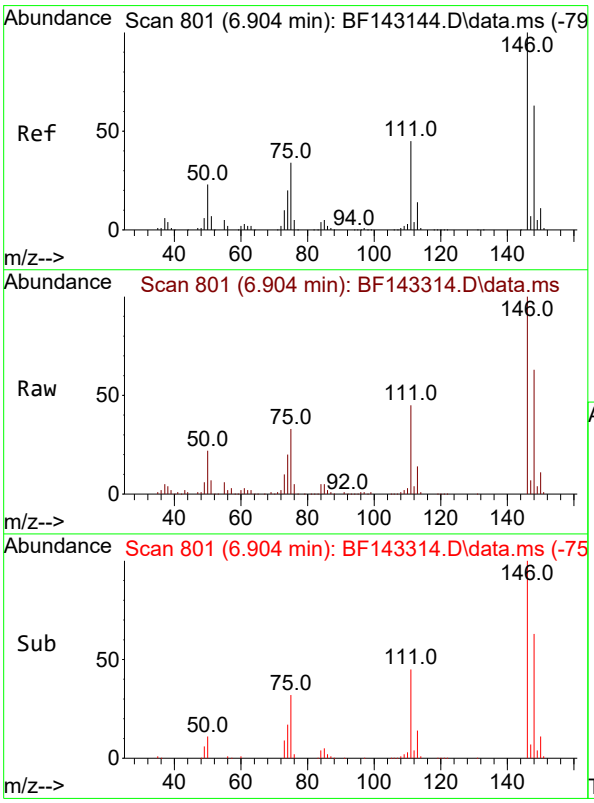
Ion	Ratio	Lower	Upper
93	100		
63	81.6	63.4	103.4
95	32.2	12.4	52.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

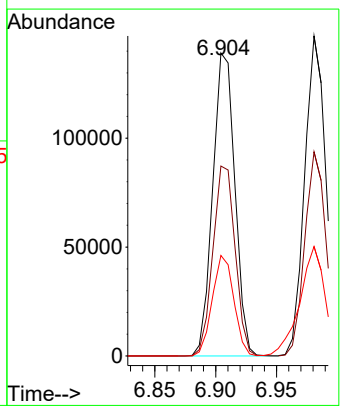


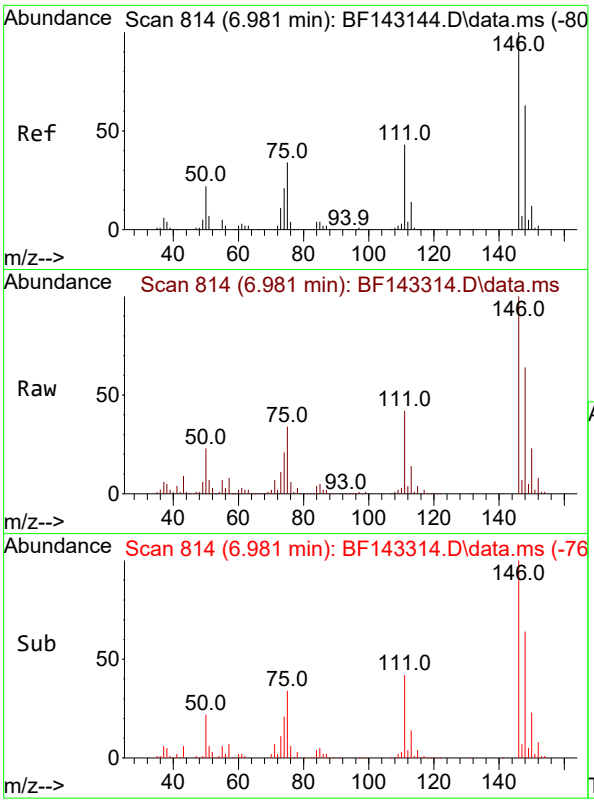


#12
1,3-Dichlorobenzene
Concen: 20.427 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:146 Resp: 176226

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	76.0
75	33.1	27.4	41.2





#13
1,4-Dichlorobenzene
Concen: 20.465 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

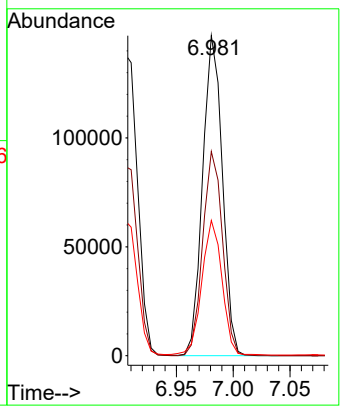
Tgt Ion:146 Resp: 17780

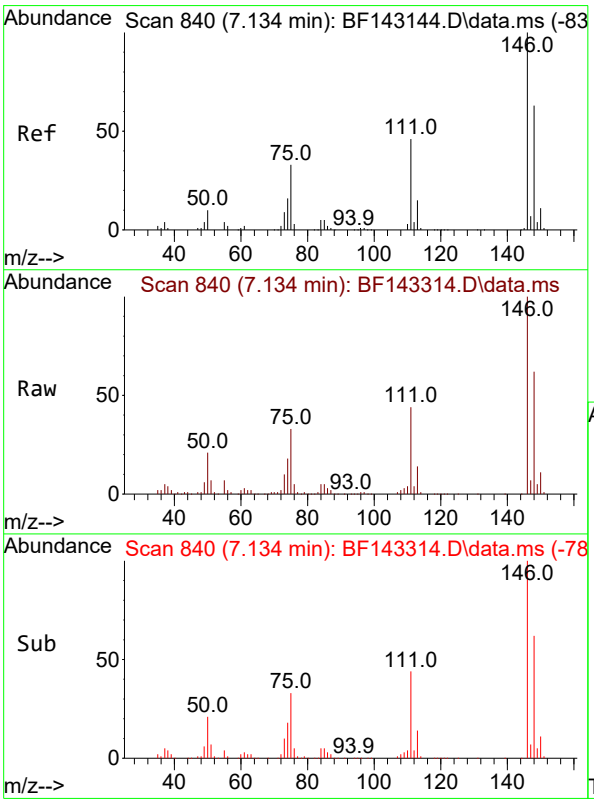
Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.3	75.5
111	42.3	34.4	51.6

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

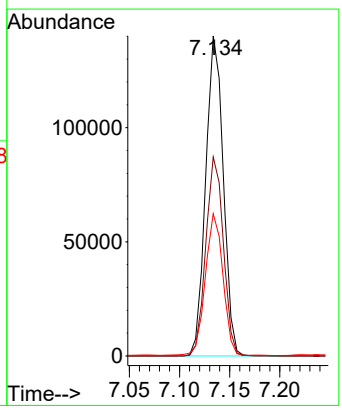


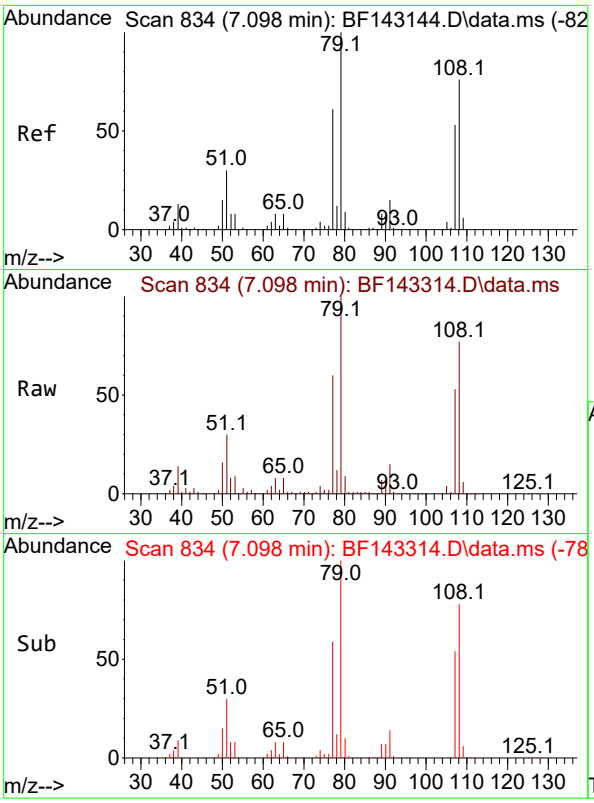


#14
1,2-Dichlorobenzene
Concen: 20.756 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:146 Resp: 171514

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.7	76.1
111	44.5	36.6	54.8





#15
Benzyl Alcohol
Concen: 20.838 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

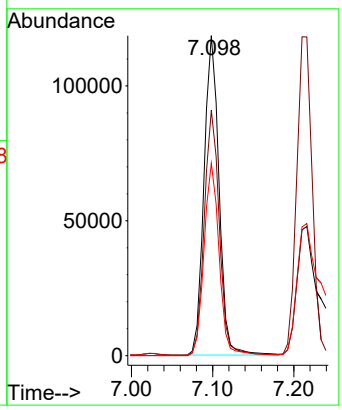
Tgt Ion: 79 Resp: 15172

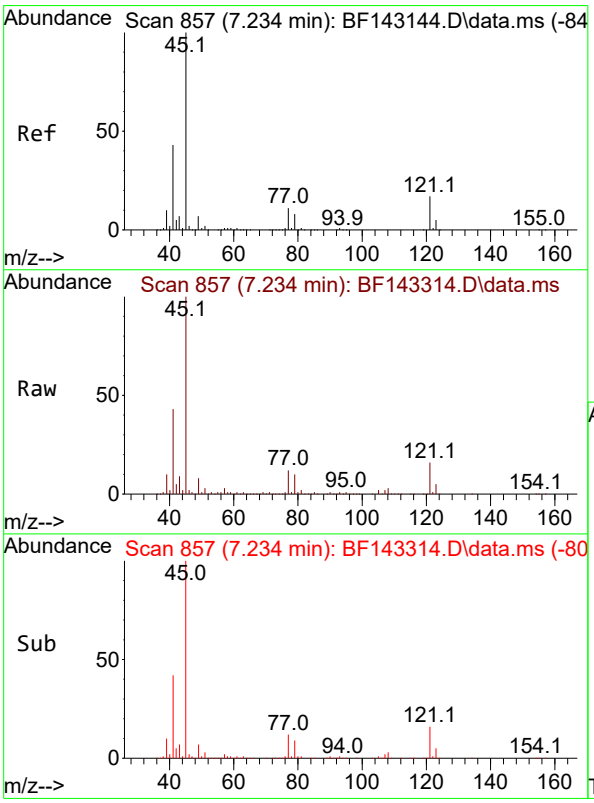
Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.1	91.7
77	60.2	48.9	73.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

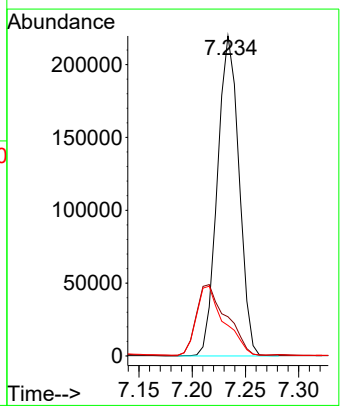


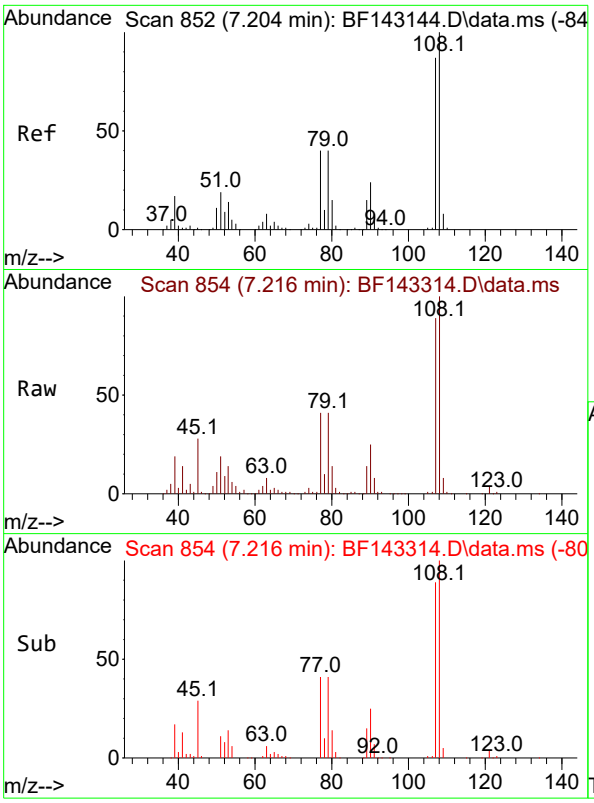


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.986 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 45 Resp: 309661

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.2
79	9.6	0.0	28.5





#17
2-Methylphenol
Concen: 20.741 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

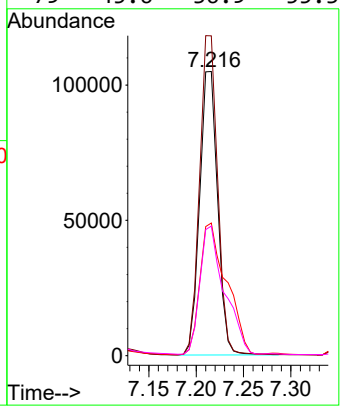
Tgt Ion:107 Resp: 13849

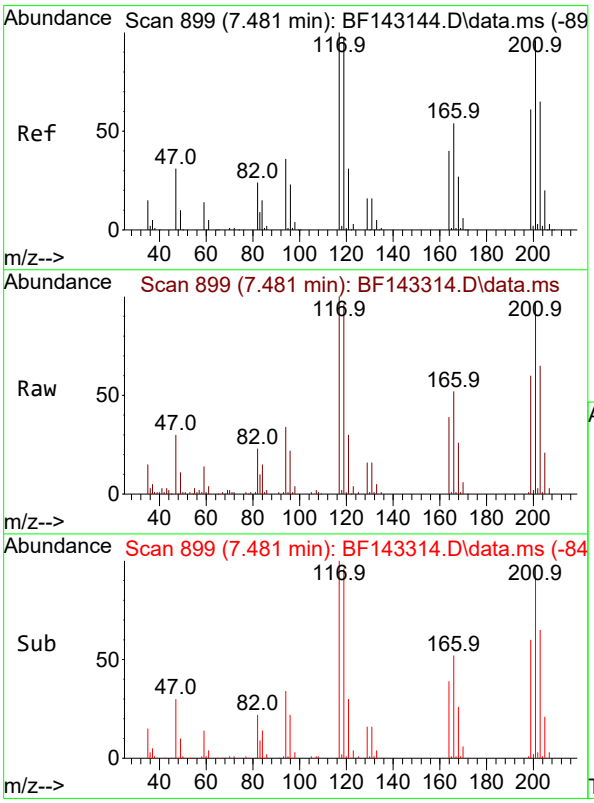
Ion	Ratio	Lower	Upper
107	100		
108	112.6	91.8	137.6
77	46.7	37.0	55.6
79	45.6	36.9	55.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

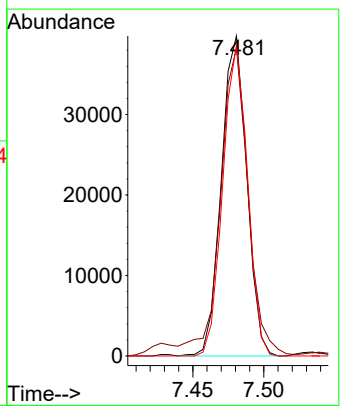


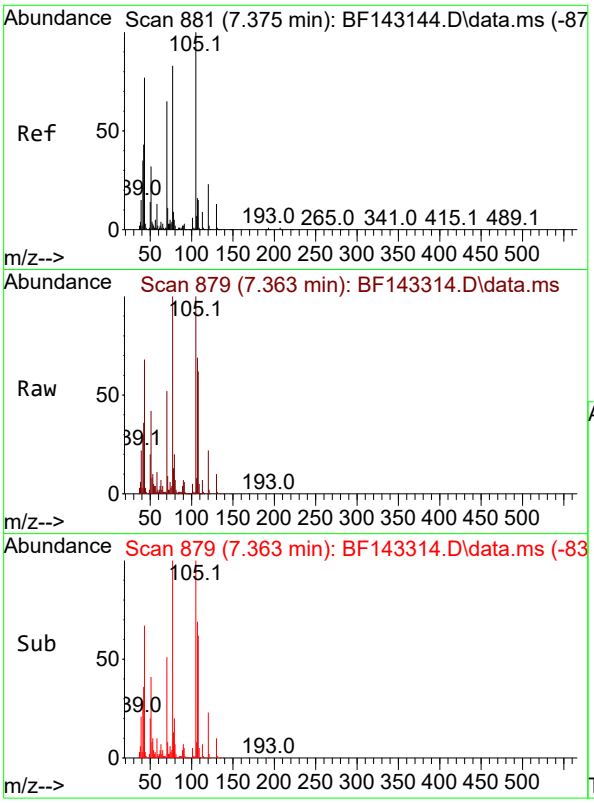


#18
Hexachloroethane
Concen: 16.482 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:117 Resp: 49572

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.8
201	97.3	77.0	115.4

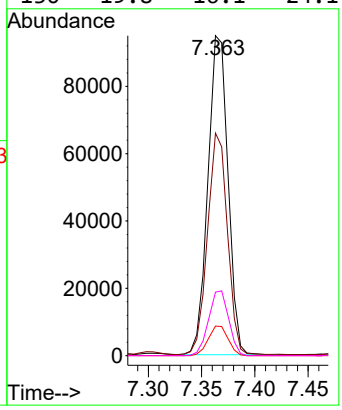




#19
n-Nitroso-di-n-propylamine
Concen: 20.365 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 70 Resp: 124598

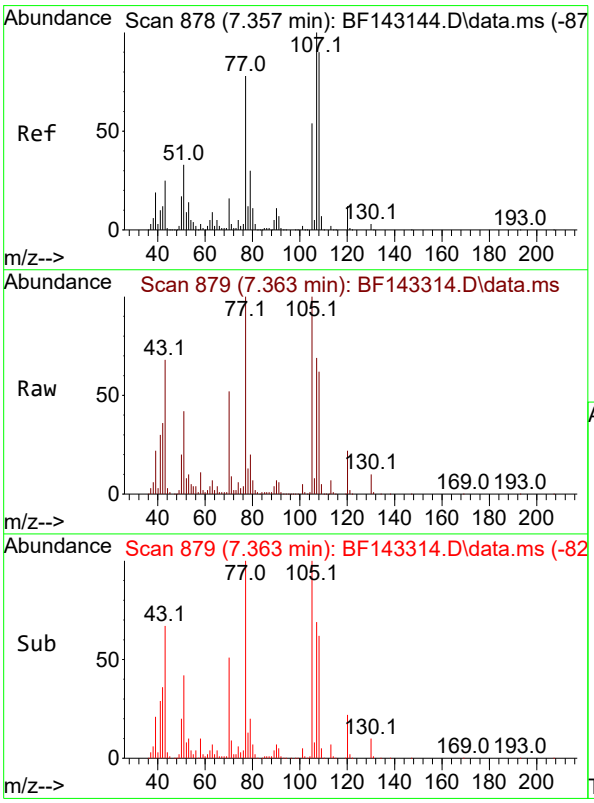
Ion	Ratio	Lower	Upper
70	100		
42	69.6	52.5	78.7
101	9.3	7.6	11.4
130	19.8	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

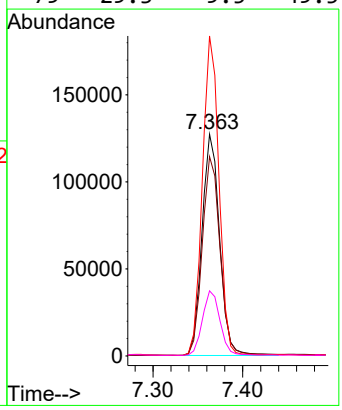
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

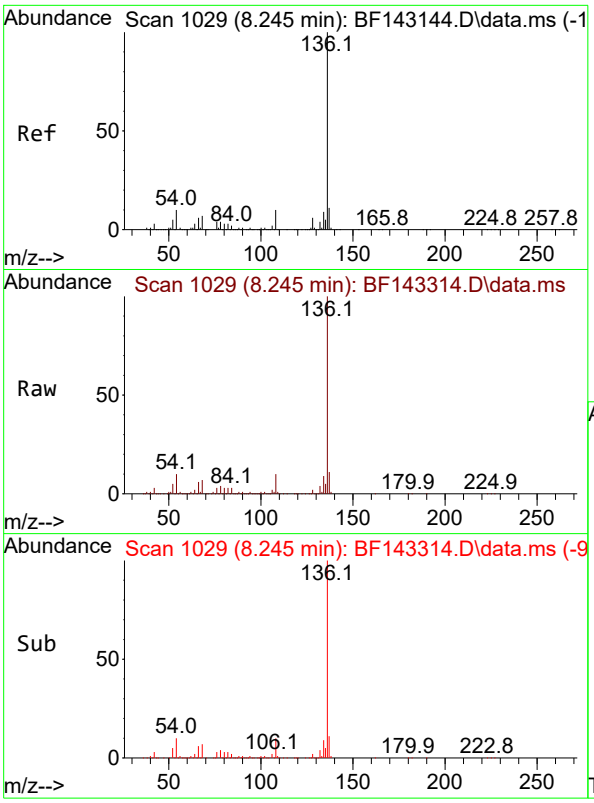


#20
3+4-Methylphenols
Concen: 21.377 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:107 Resp: 173188

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.0	110.0
77	144.2	57.8	97.8#
79	29.3	9.5	49.5

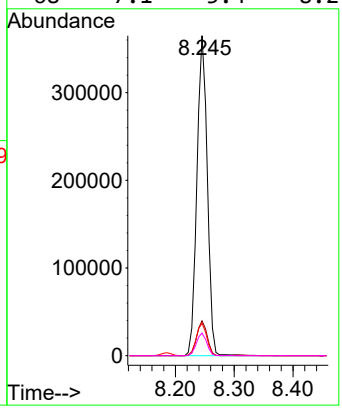




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:136 Resp: 44777

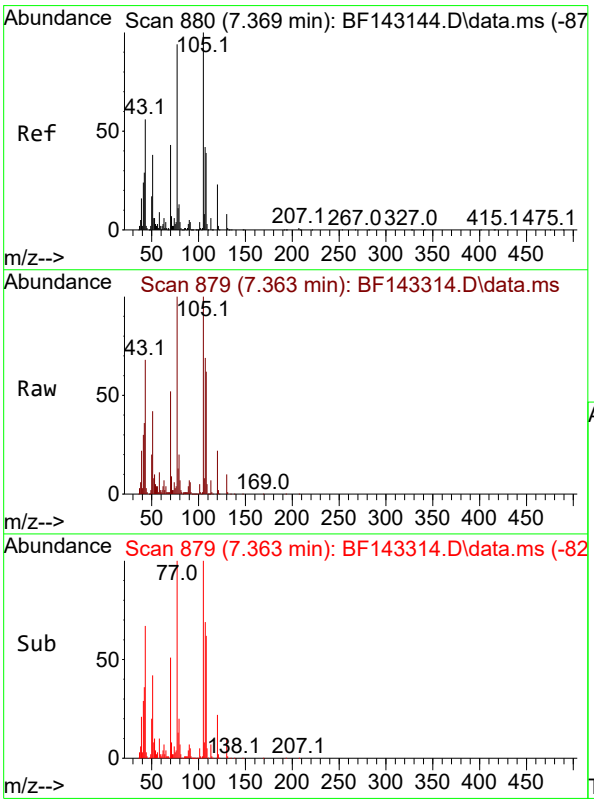
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	7.1	5.4	8.2



Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

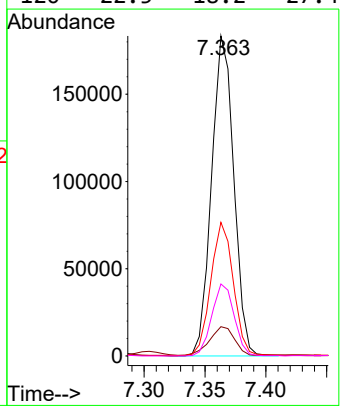
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

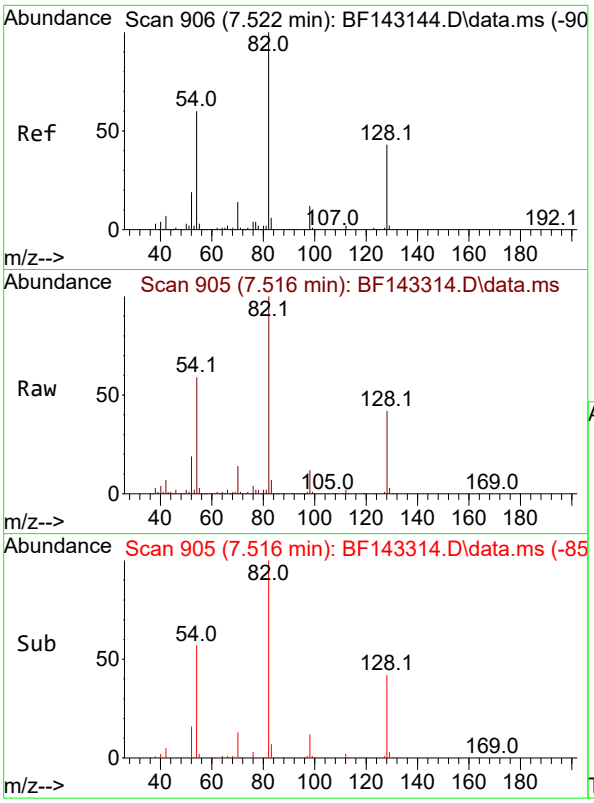


#22
Acetophenone
Concen: 22.008 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:105 Resp: 233314

Ion	Ratio	Lower	Upper
105	100		
71	9.2	5.8	8.6#
51	41.8	30.2	45.2
120	22.5	18.2	27.4





#23
Nitrobenzene-d5
Concen: 30.281 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

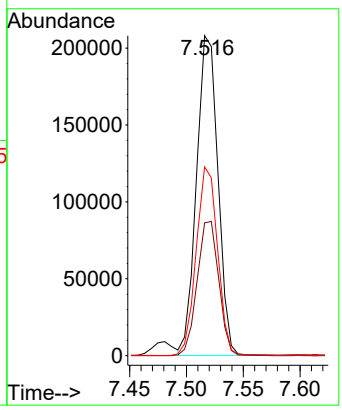
Tgt Ion: 82 Resp: 27201

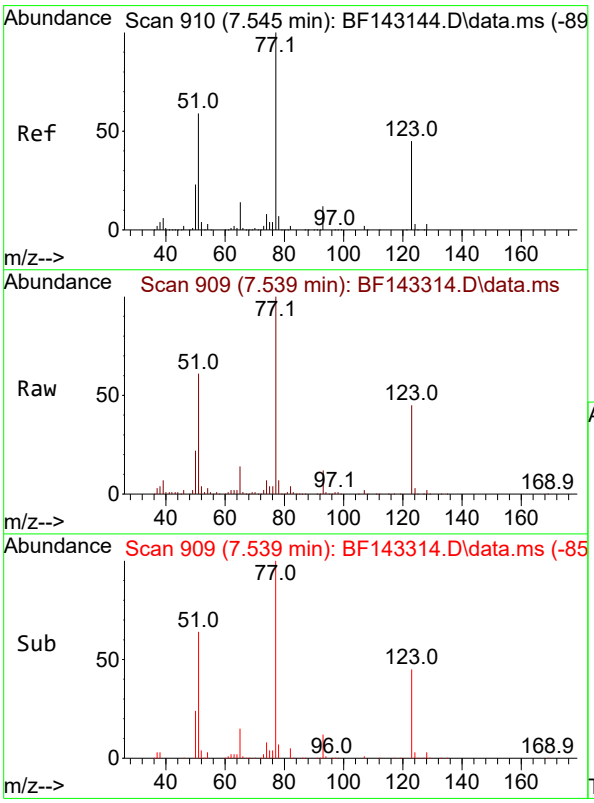
Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.6	50.4
54	59.0	47.1	70.7

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

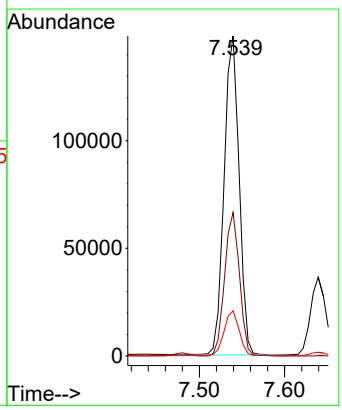


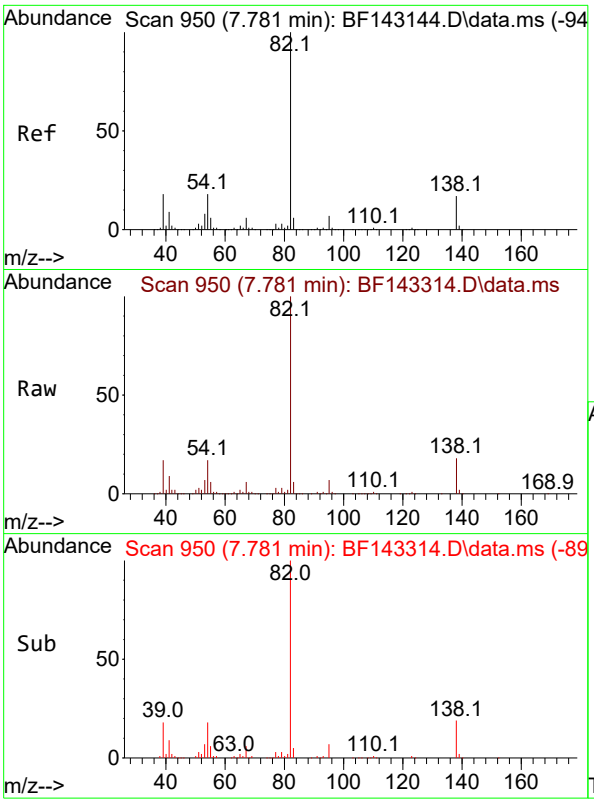


#24
Nitrobenzene
Concen: 21.668 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 77 Resp: 181471

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.1	54.1
65	14.1	11.4	17.2





#25
Isophorone
Concen: 21.274 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

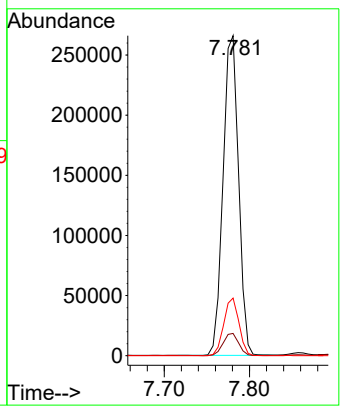
Tgt Ion: 82 Resp: 33736

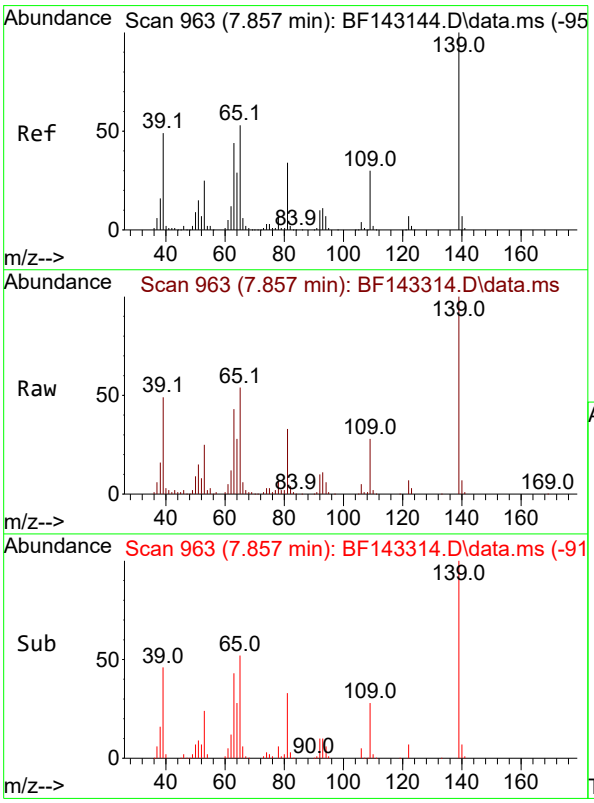
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	18.0	13.8	20.8

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

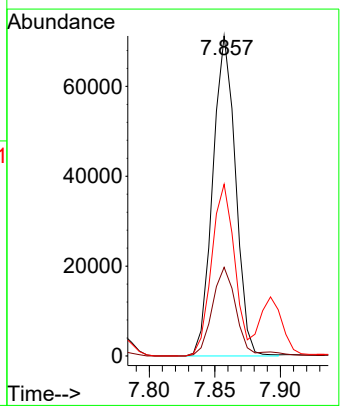


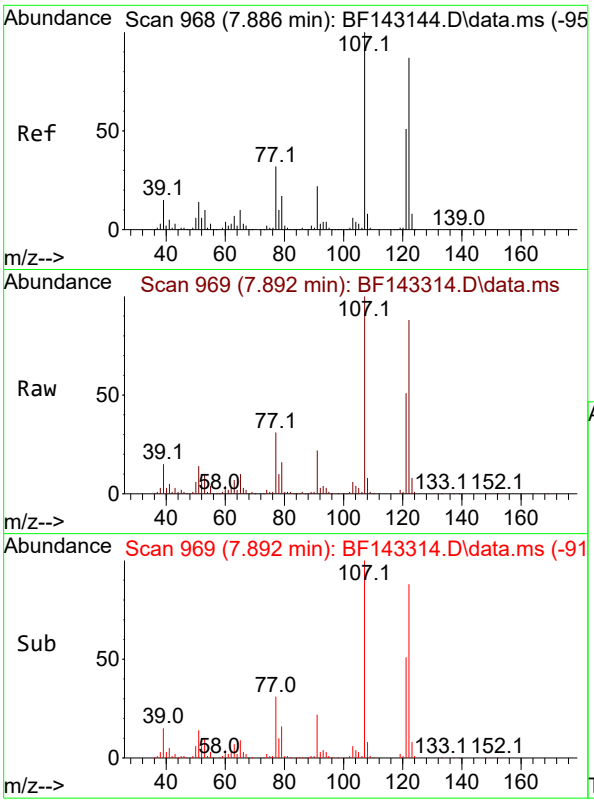


#26
2-Nitrophenol
Concen: 23.623 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:139 Resp: 85862

Ion	Ratio	Lower	Upper
139	100		
109	27.7	23.6	35.4
65	53.7	42.6	64.0





#27
2,4-Dimethylphenol
Concen: 20.672 ng m
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

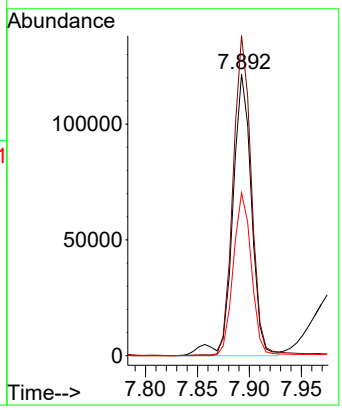
Tgt Ion:122 Resp: 15315

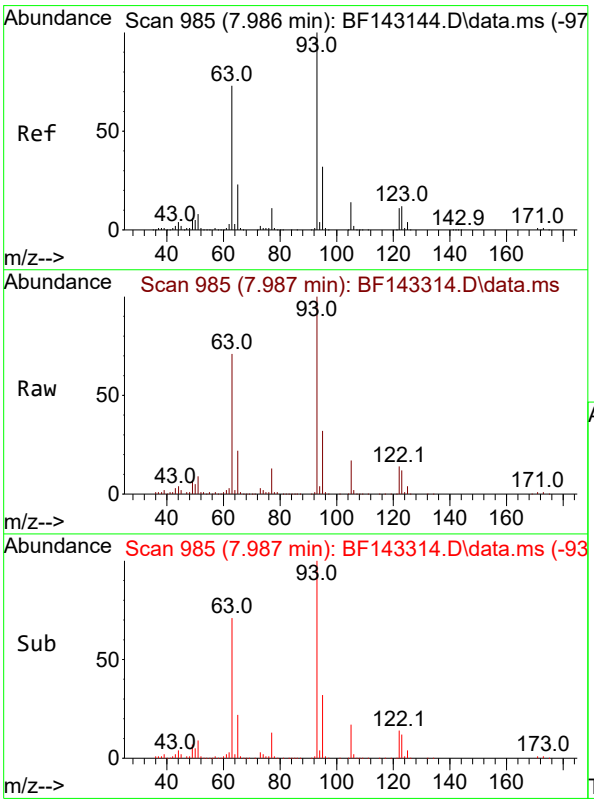
Ion	Ratio	Lower	Upper
122	100		
107	113.5	91.8	137.6
121	57.8	46.3	69.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

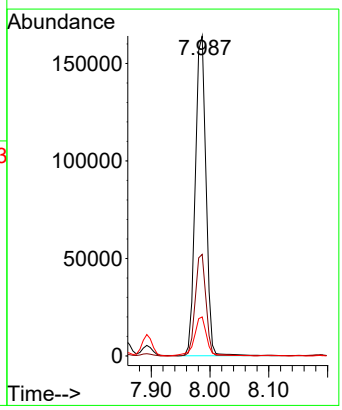


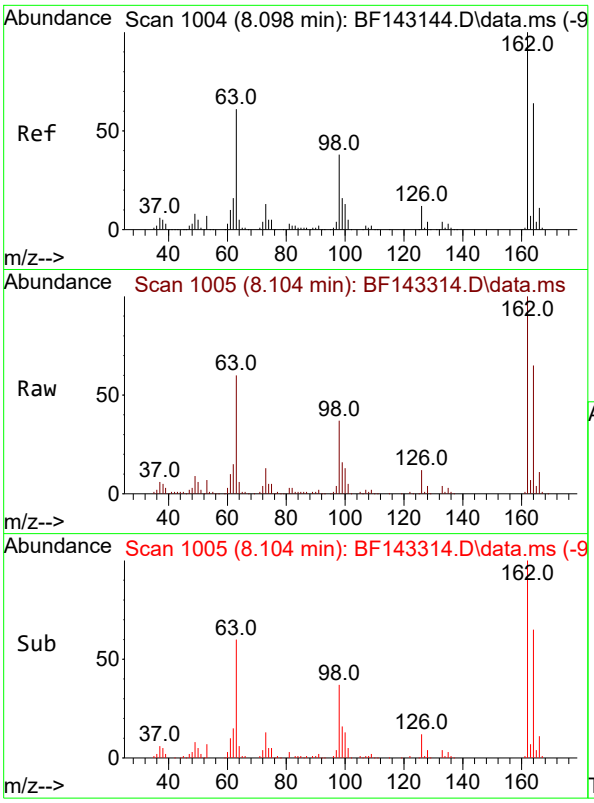


#28
bis(2-Chloroethoxy)methane
Concen: 21.800 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 93 Resp: 207274

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.6
123	12.2	9.7	14.5





#29
2,4-Dichlorophenol
Concen: 20.362 ng
RT: 8.104 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

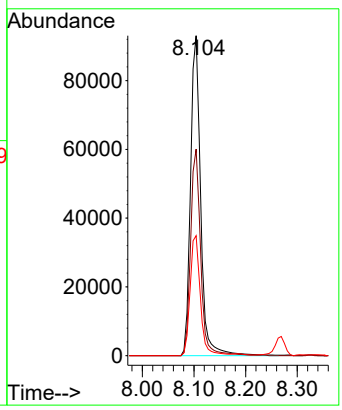
Tgt Ion:162 Resp: 12722

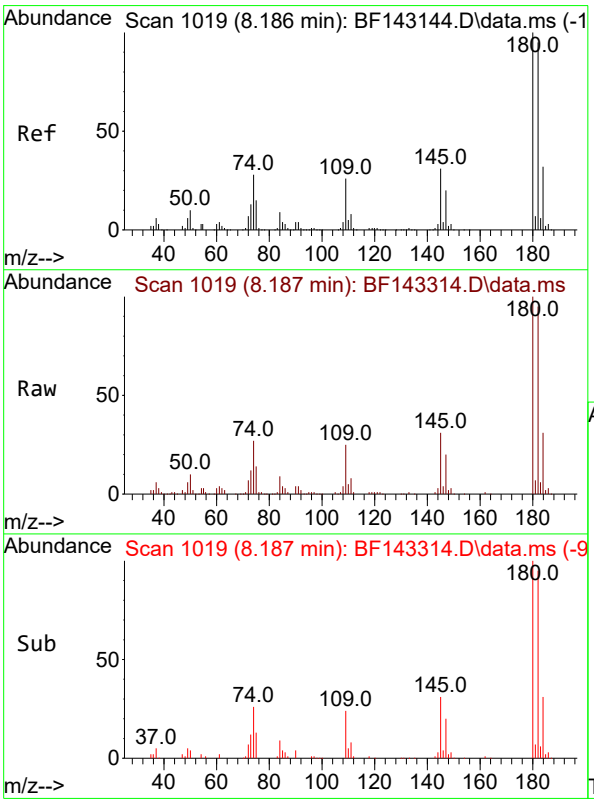
Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.2	84.2
98	37.5	17.9	57.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

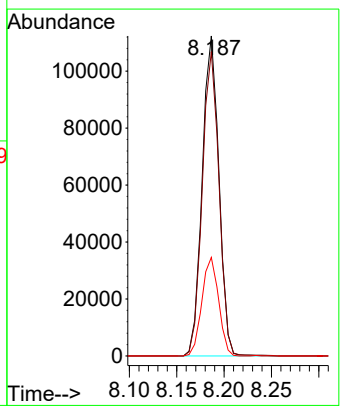


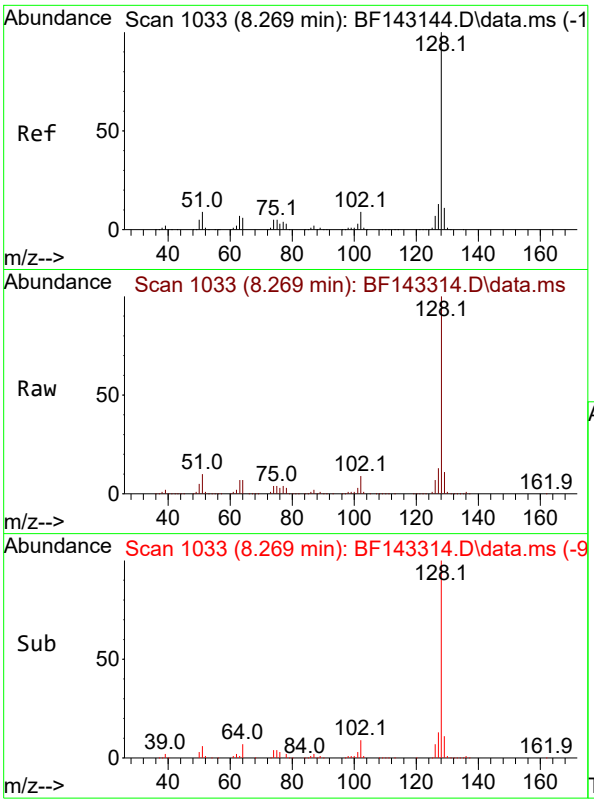


#30
1,2,4-Trichlorobenzene
Concen: 20.440 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:180 Resp: 137977

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
145	30.8	25.0	37.6





#31
Naphthalene
Concen: 20.989 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

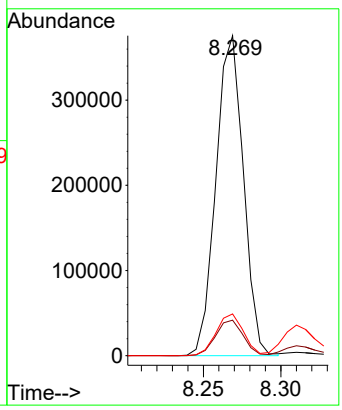
Tgt Ion:128 Resp: 46285(

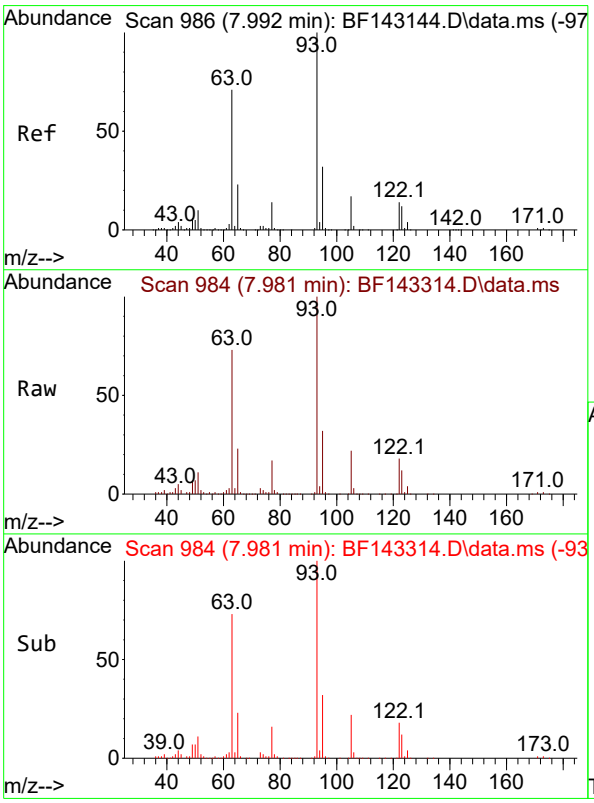
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

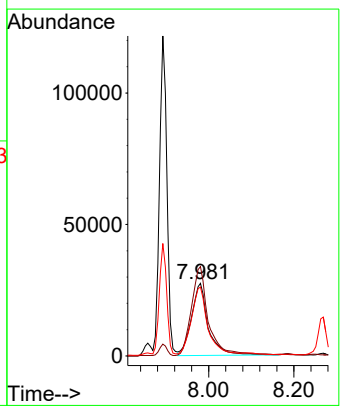


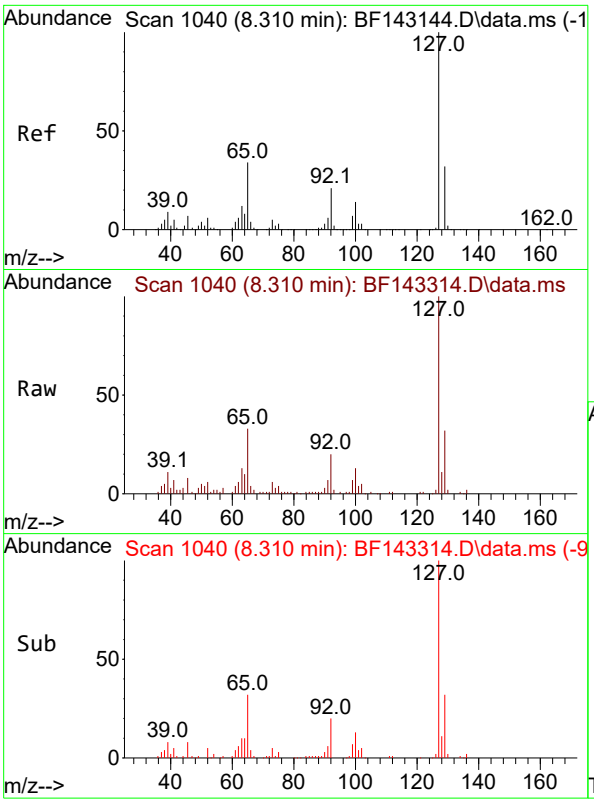


#32
Benzoic acid
Concen: 21.260 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:122 Resp: 75233

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	94.9	77.6	117.6

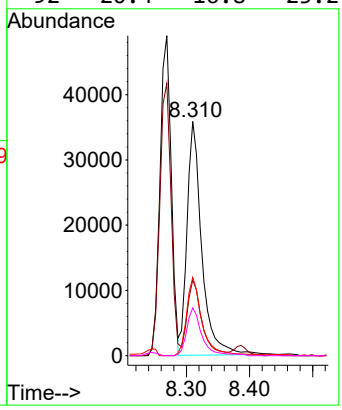




#33
4-Chloroaniline
Concen: 6.480 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:127 Resp: 5835(

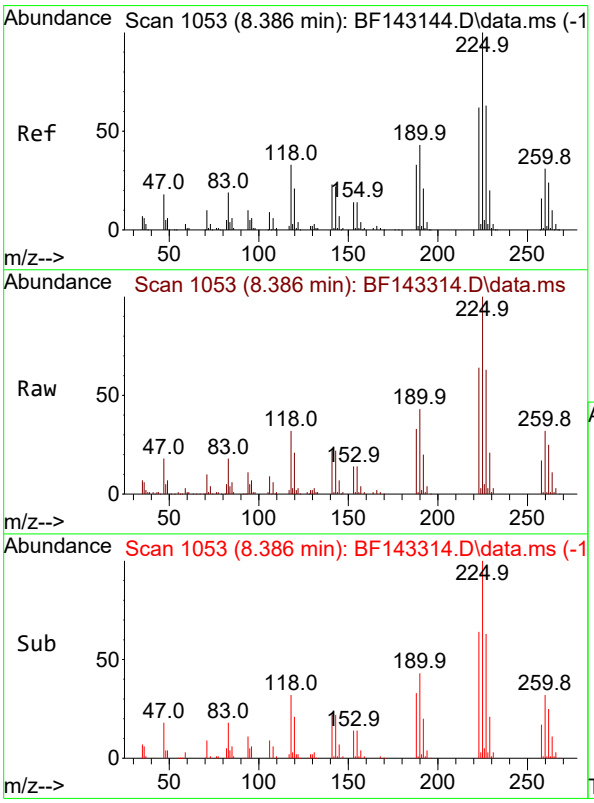
Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.4	27.4	41.2
92	20.4	16.8	25.2



Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

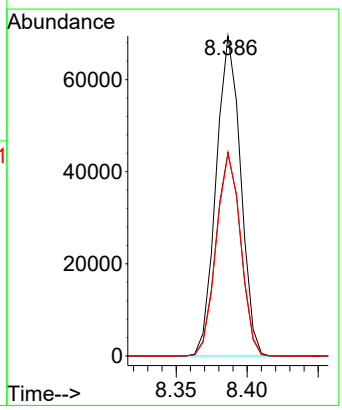
Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

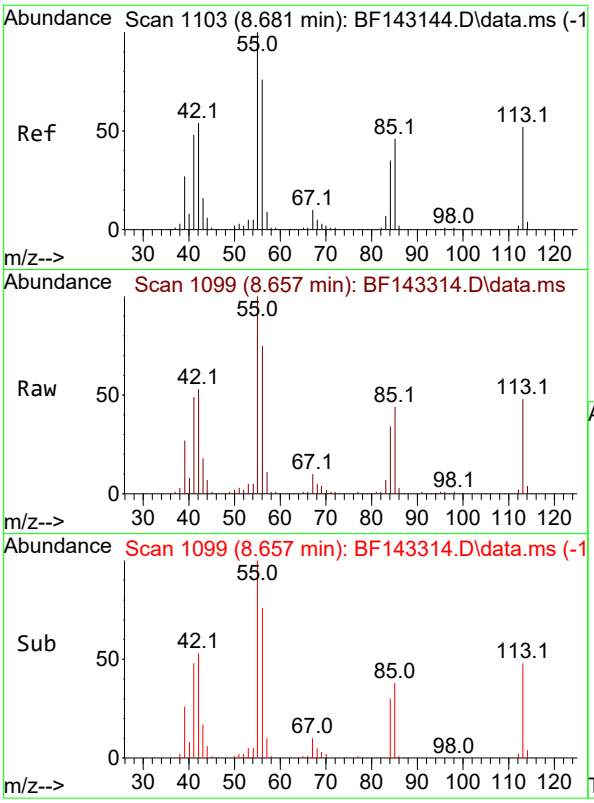


#34
Hexachlorobutadiene
Concen: 20.166 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:225 Resp: 83154

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.8	74.6
227	63.2	50.2	75.4





#35
Caprolactam
Concen: 21.558 ng
RT: 8.657 min Scan# 1(
Delta R.T. -0.023 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

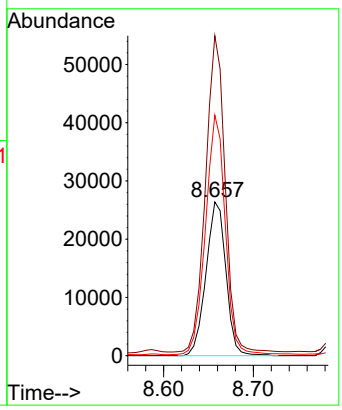
Tgt Ion:113 Resp: 4070

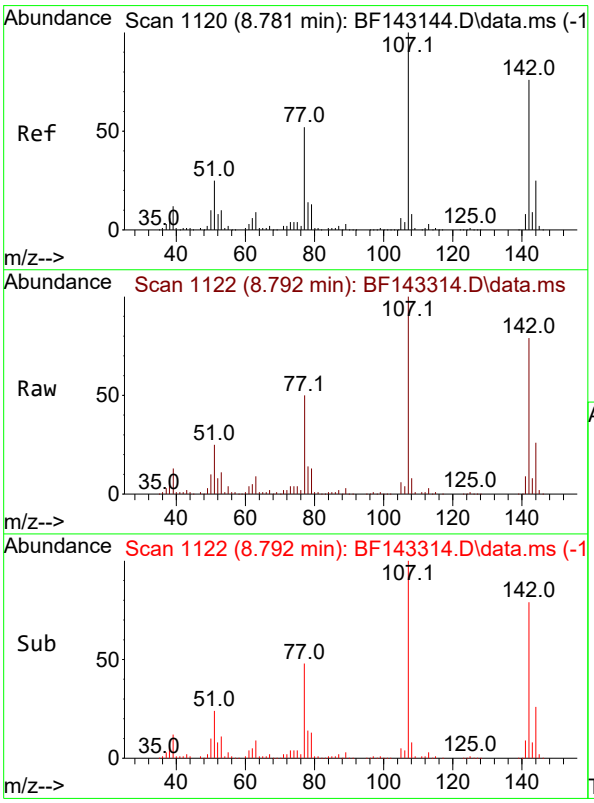
Ion	Ratio	Lower	Upper
113	100		
55	208.2	174.0	214.0
56	156.4	126.6	166.6

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

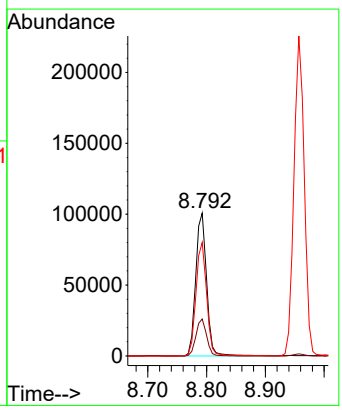


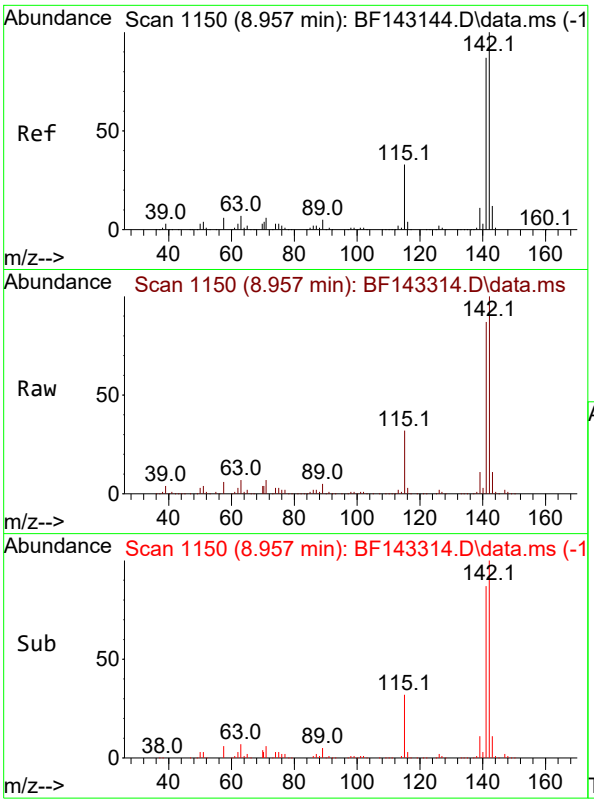


#36
4-Chloro-3-methylphenol
Concen: 19.116 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:107 Resp: 129818

Ion	Ratio	Lower	Upper
107	100		
144	25.9	19.8	29.6
142	79.4	60.6	90.8





#37
2-Methylnaphthalene
Concen: 20.506 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

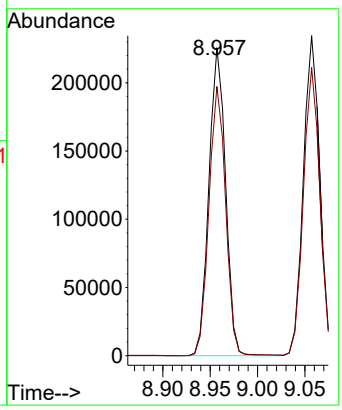
Tgt Ion:142 Resp: 27516

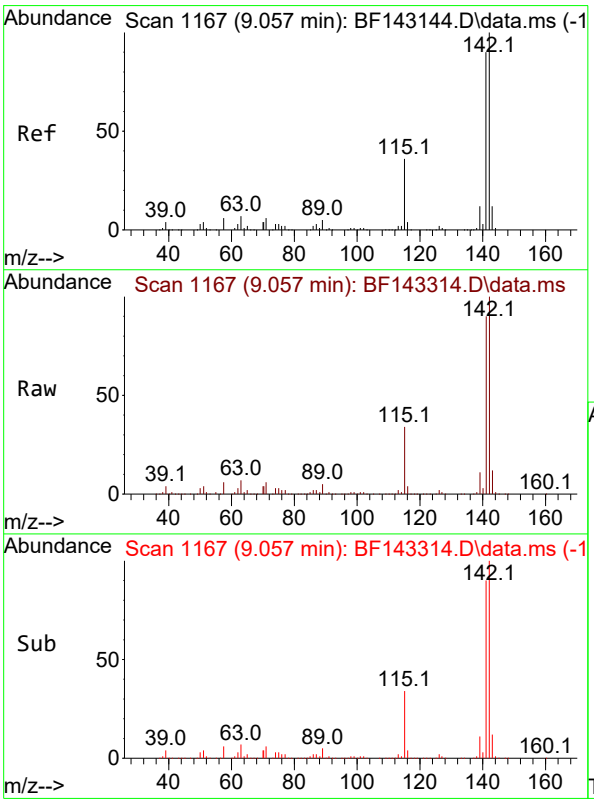
Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

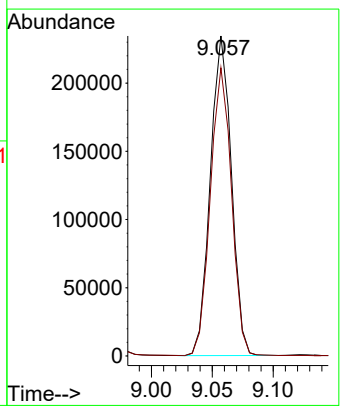


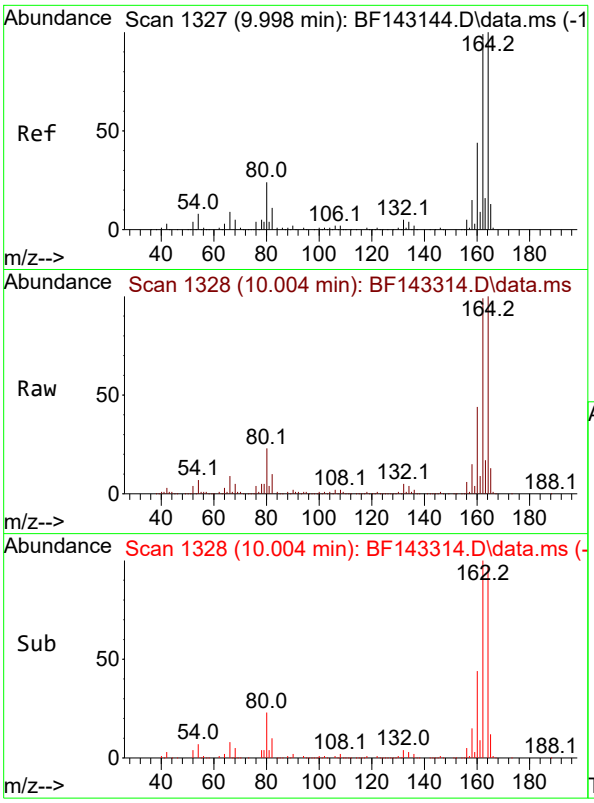


#38
1-Methylnaphthalene
Concen: 20.377 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:142 Resp: 281572

Ion	Ratio	Lower	Upper
142	100		
141	90.0	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: BF143314.D
Acq: 05 Aug 2025 14:28

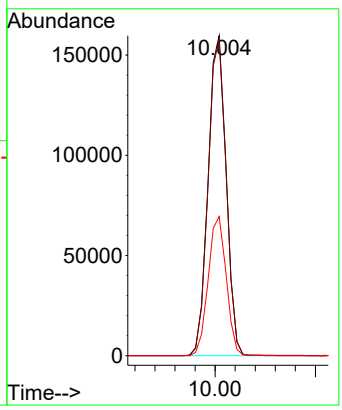
Tgt Ion:164 Resp: 20020

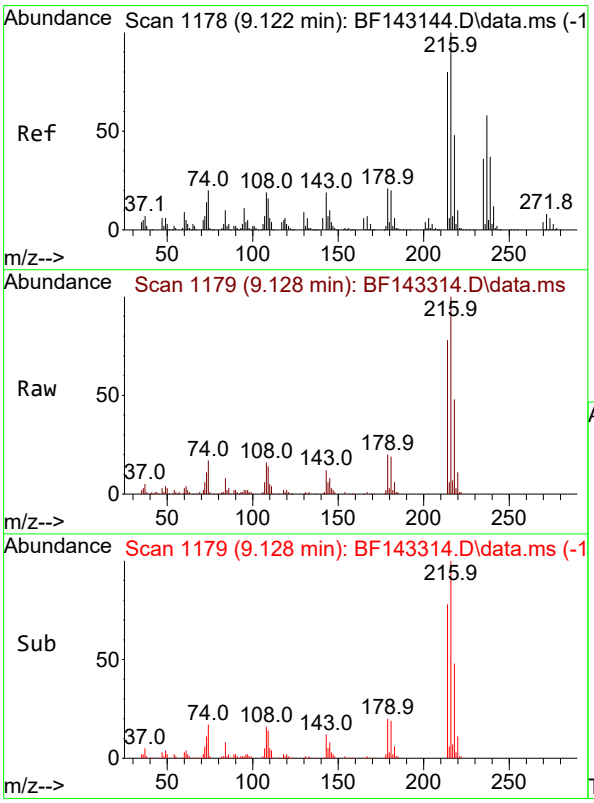
Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	43.5	35.1	52.7

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

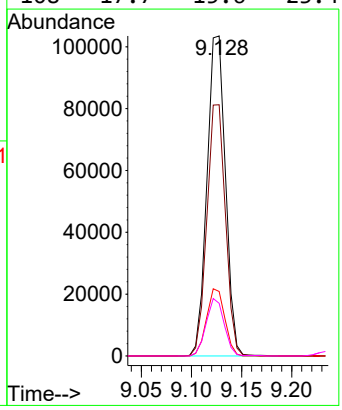


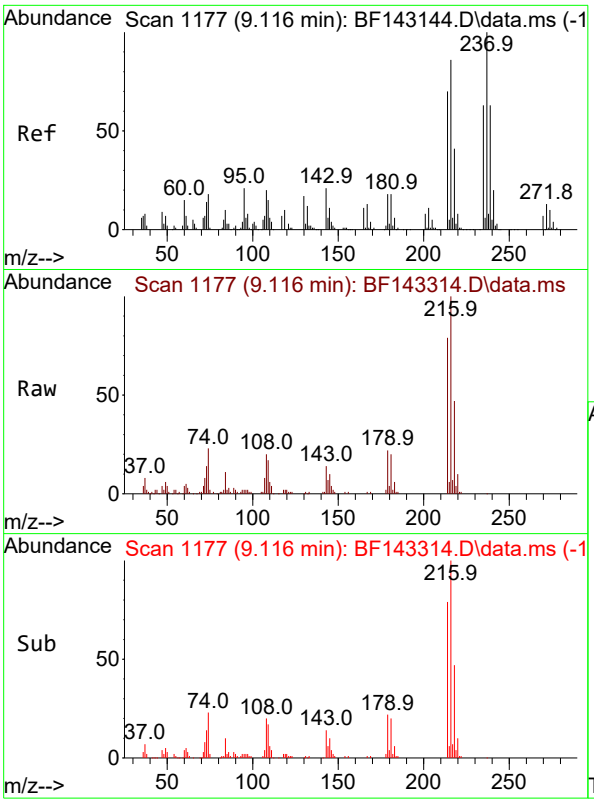


#40
1,2,4,5-Tetrachlorobenzene
Concen: 23.003 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:216 Resp: 132955

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.8	95.8
179	20.7	16.4	24.6
108	17.7	15.6	23.4





#41
Hexachlorocyclopentadiene
Concen: 0.016 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

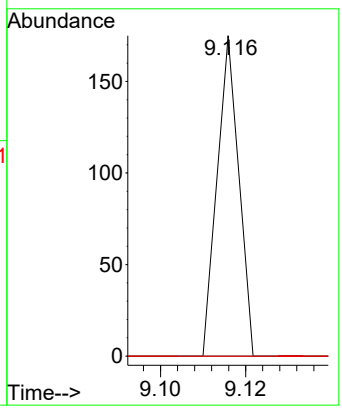
Tgt Ion:237 Resp: 6

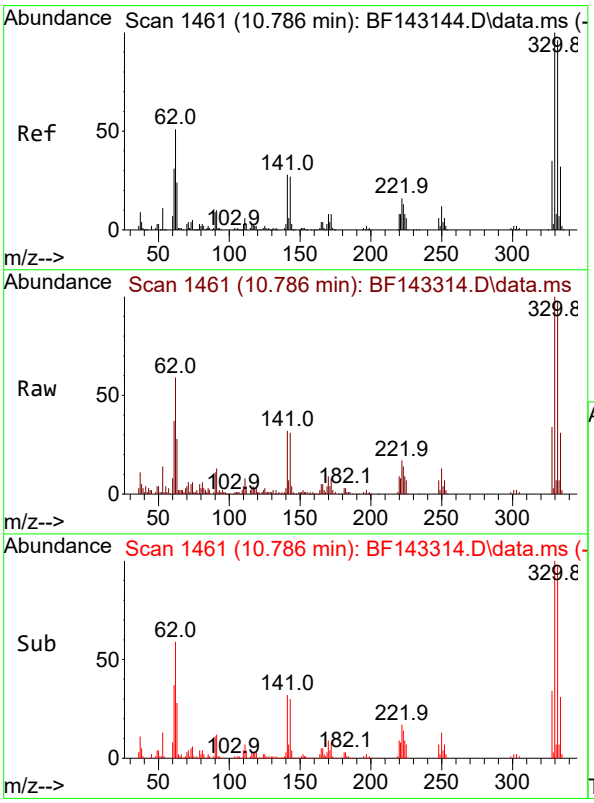
Ion	Ratio	Lower	Upper
237	100		
235	0.0	43.0	83.0
272	0.0	0.0	33.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

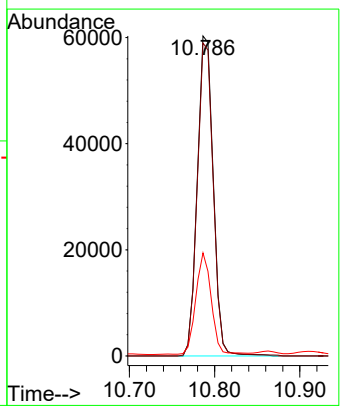


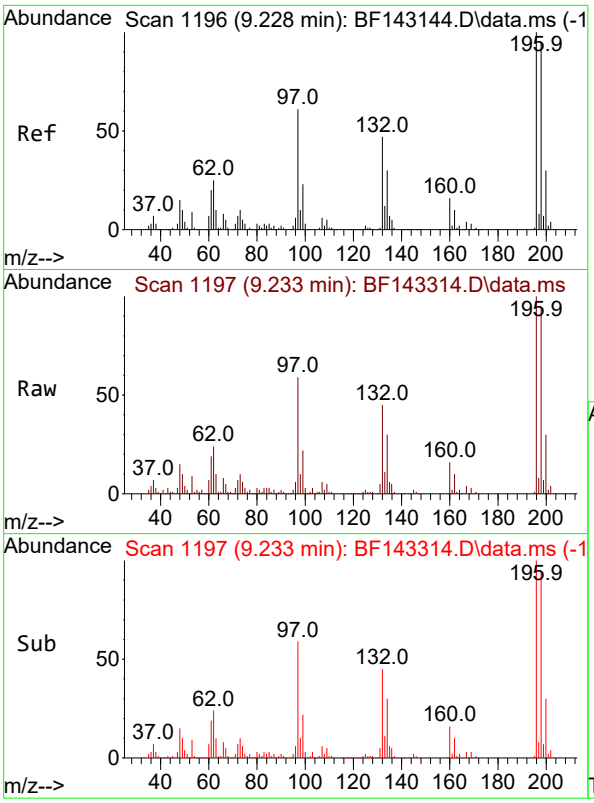


#42
2,4,6-Tribromophenol
Concen: 37.979 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:330 Resp: 78547

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.7	115.1
141	30.8	23.3	34.9





#43
2,4,6-Trichlorophenol
Concen: 20.543 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

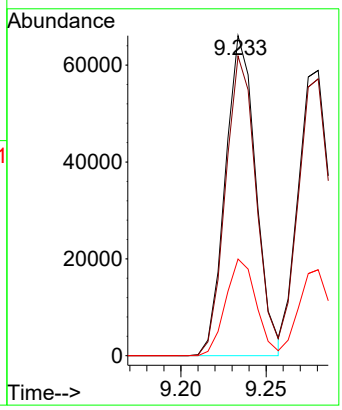
Tgt Ion:196 Resp: 8217

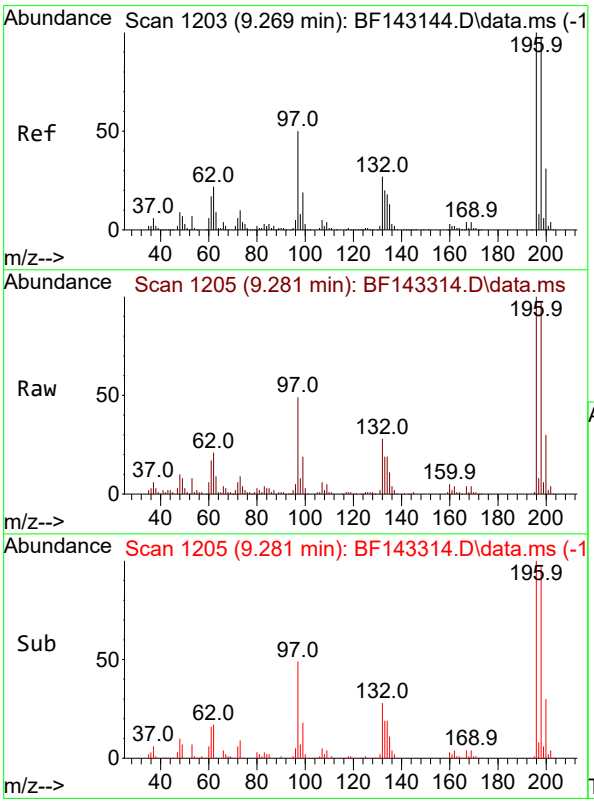
Ion	Ratio	Lower	Upper
196	100		
198	93.6	76.2	114.2
200	30.2	23.9	35.9

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

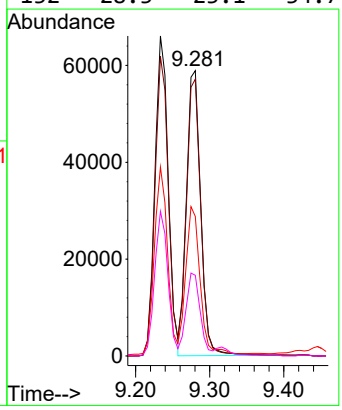


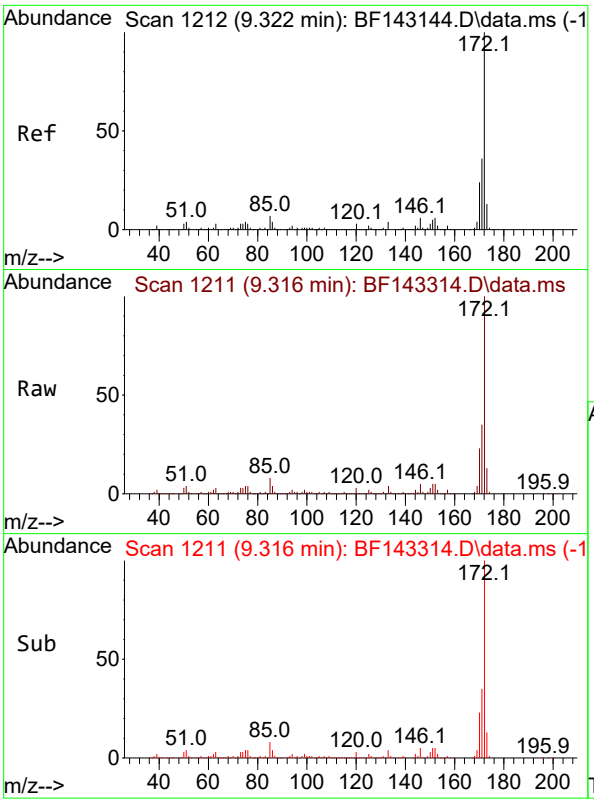


#44
2,4,5-Trichlorophenol
Concen: 19.780 ng
RT: 9.281 min Scan# 1205
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:196 Resp: 79149

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	48.9	40.3	60.5
132	28.3	23.1	34.7





#45
2-Fluorobiphenyl
Concen: 32.232 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

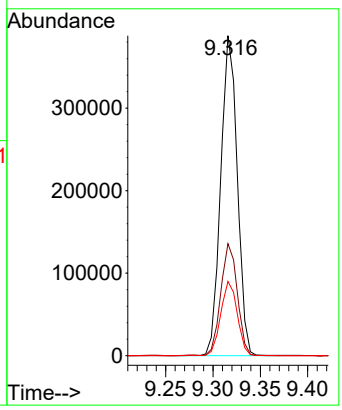
Tgt Ion:172 Resp: 47183

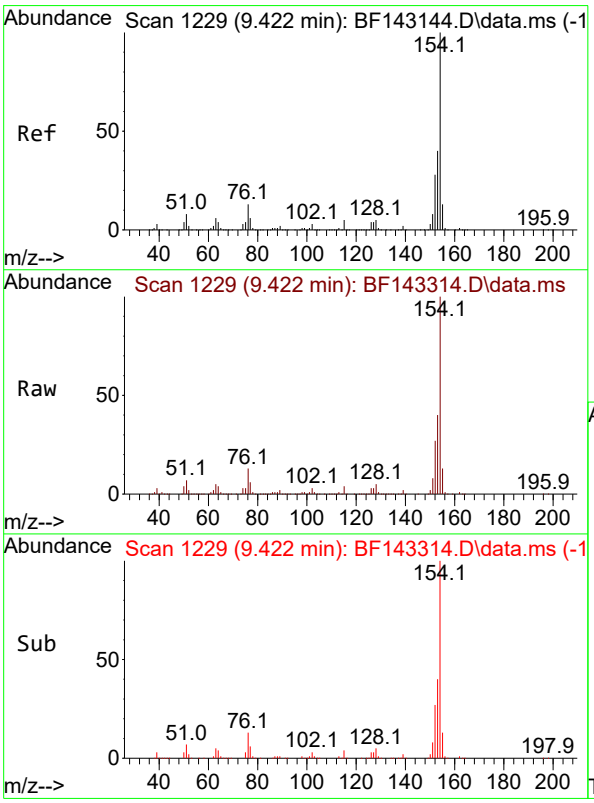
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	23.2	18.8	28.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

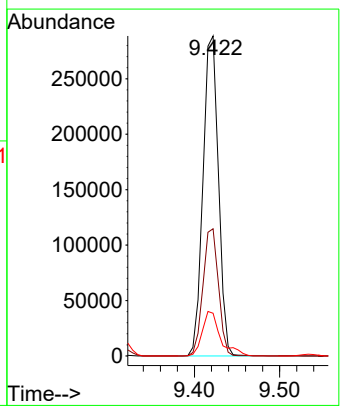


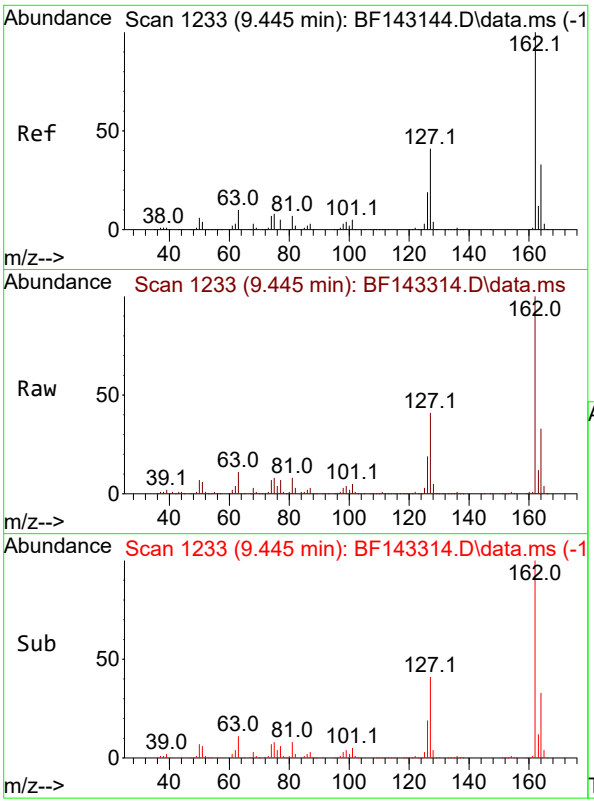


#46
1,1'-Biphenyl
Concen: 23.288 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:154 Resp: 363752

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.3	60.3
76	13.4	0.0	33.3





#47
2-Chloronaphthalene
Concen: 21.762 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

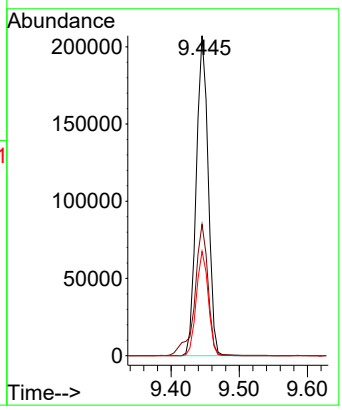
Tgt Ion:162 Resp: 25150

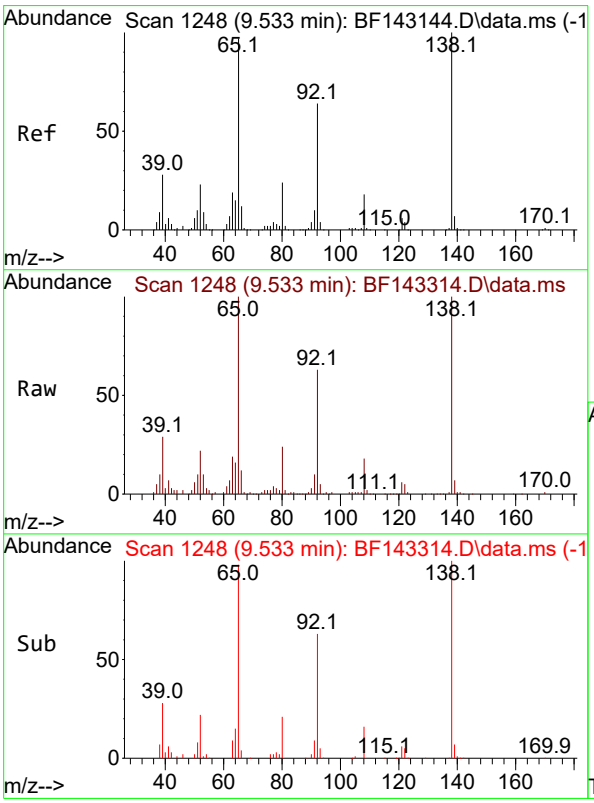
Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	32.6	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

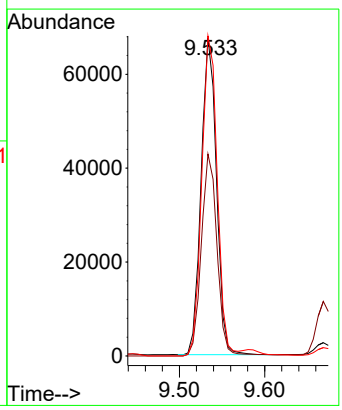


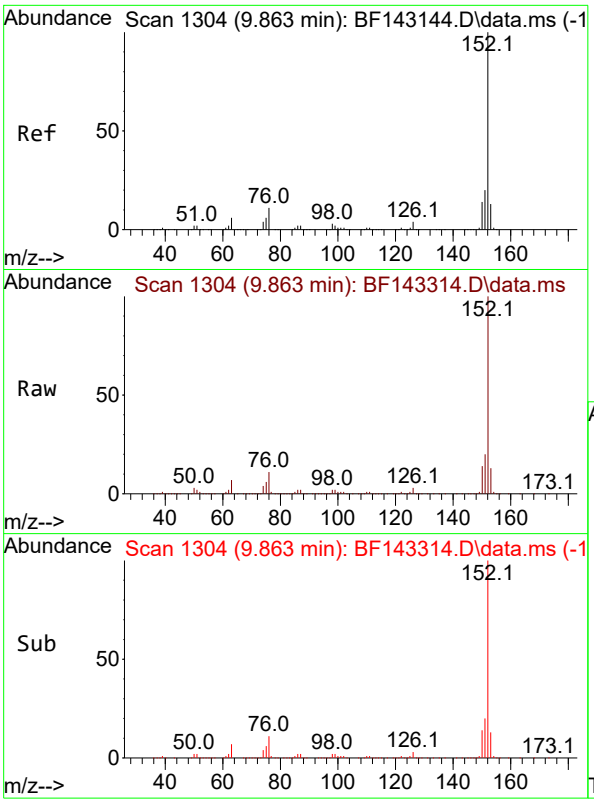


#48
2-Nitroaniline
Concen: 23.258 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 65 Resp: 84294

Ion	Ratio	Lower	Upper
65	100		
92	63.4	52.4	78.6
138	100.5	82.3	123.5





#49
Acenaphthylene
Concen: 21.259 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

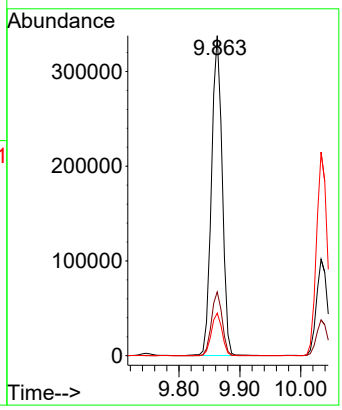
Tgt Ion:152 Resp: 41175

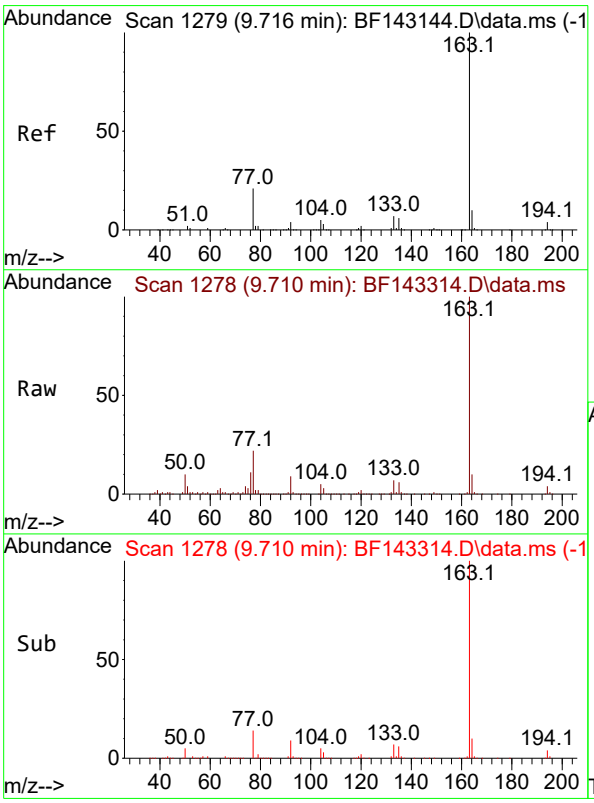
Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.3	10.6	16.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

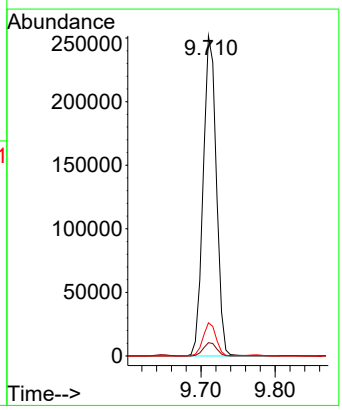


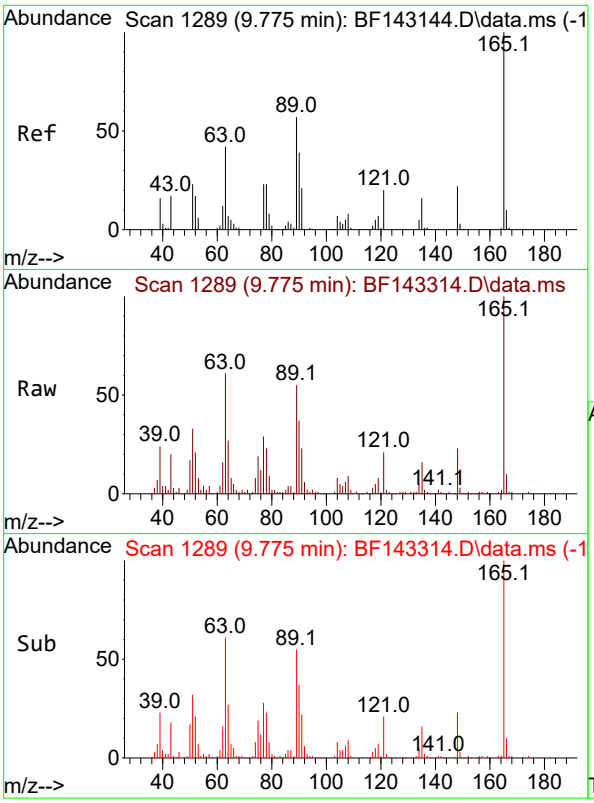


#50
Dimethylphthalate
Concen: 23.904 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:163 Resp: 311940

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.3	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 23.308 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

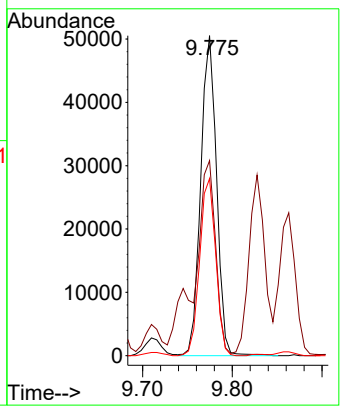
Tgt Ion:165 Resp: 6187

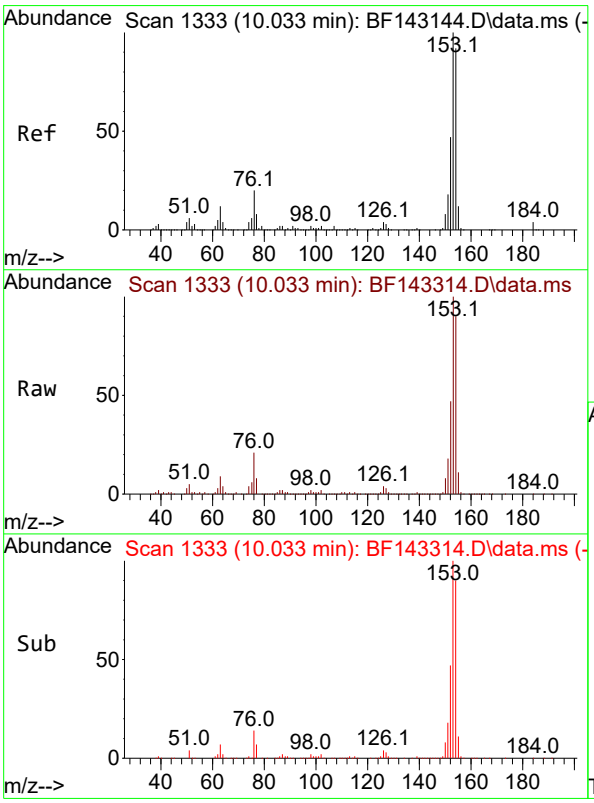
Ion	Ratio	Lower	Upper
165	100		
63	60.9	49.4	74.2
89	55.3	46.2	69.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

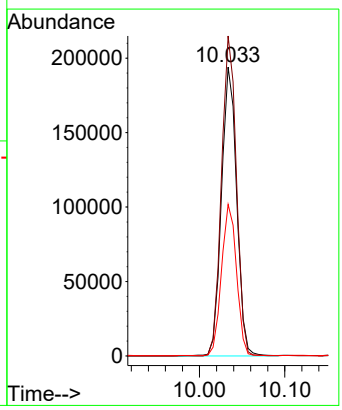


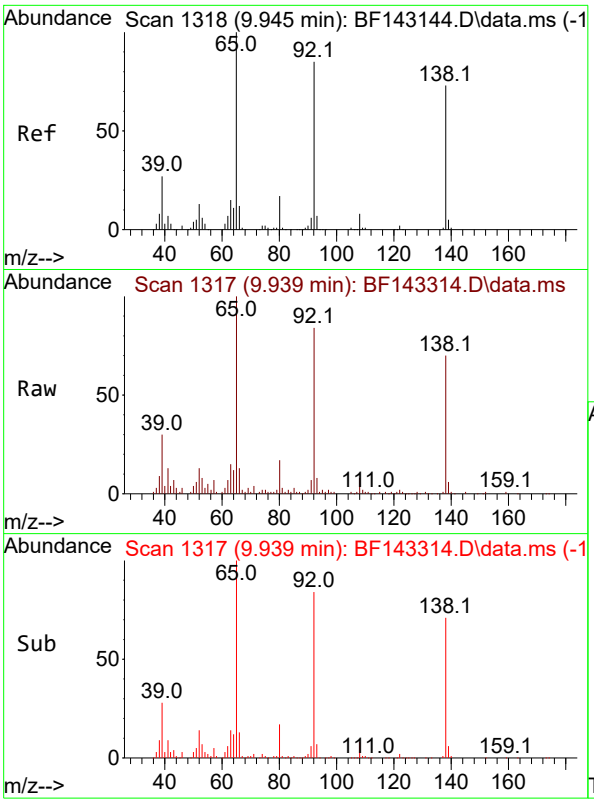


#52
Acenaphthene
Concen: 21.045 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:154 Resp: 240916

Ion	Ratio	Lower	Upper
154	100		
153	110.8	86.6	129.8
152	52.5	40.4	60.6





#53
3-Nitroaniline
Concen: 15.343 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

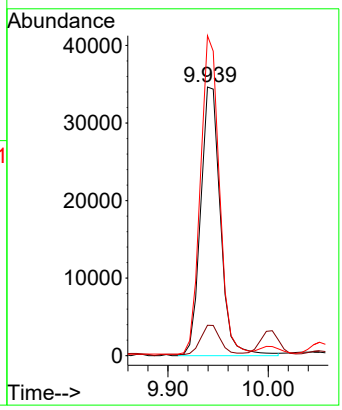
Tgt Ion:138 Resp: 4764

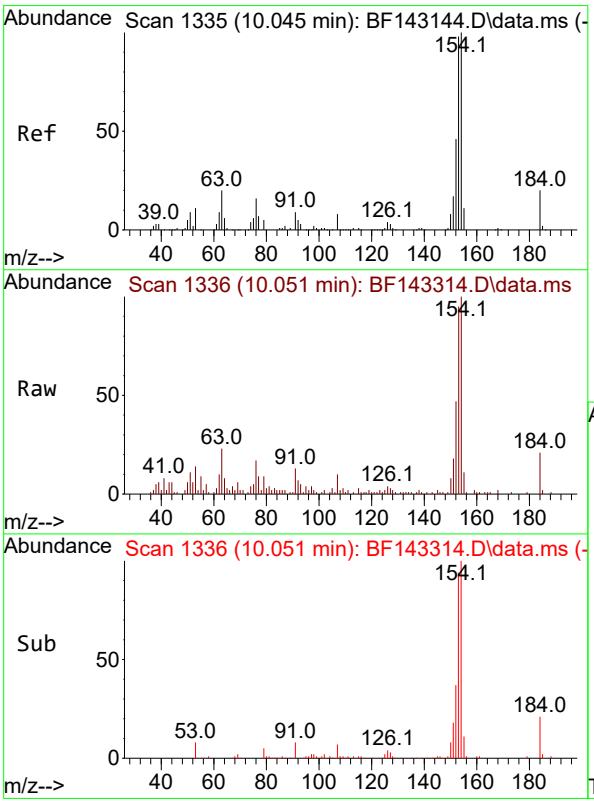
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.6
92	119.1	93.0	139.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

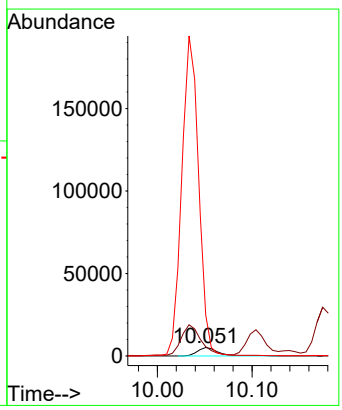


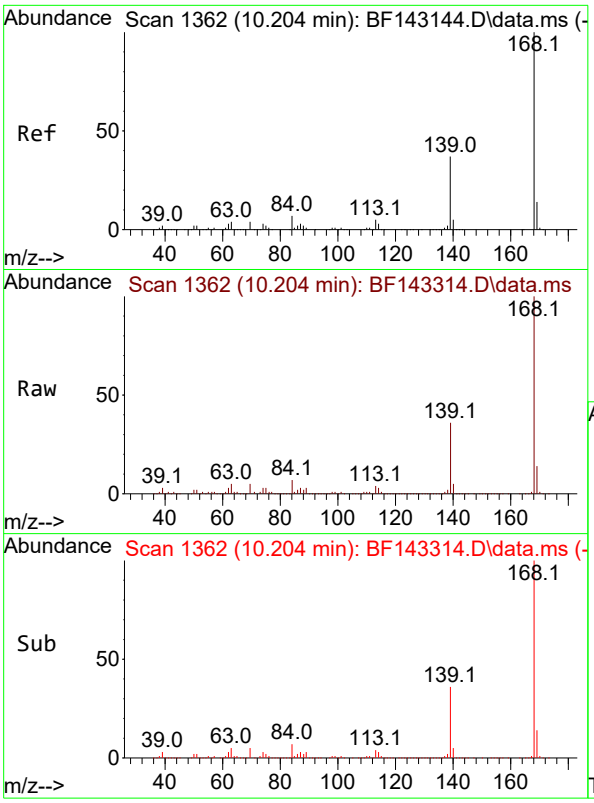


#54
2,4-Dinitrophenol
Concen: 12.695 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:184 Resp: 7916

Ion	Ratio	Lower	Upper
184	100		
63	108.1	81.8	122.6
154	478.2	412.2	618.4





#55
Dibenzofuran
Concen: 20.705 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

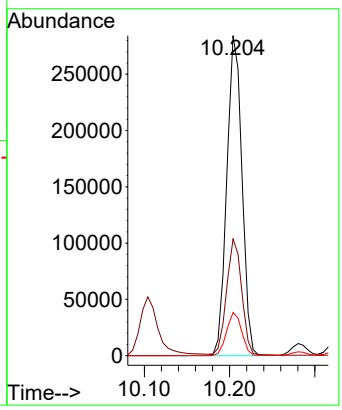
Tgt Ion:168 Resp: 351909

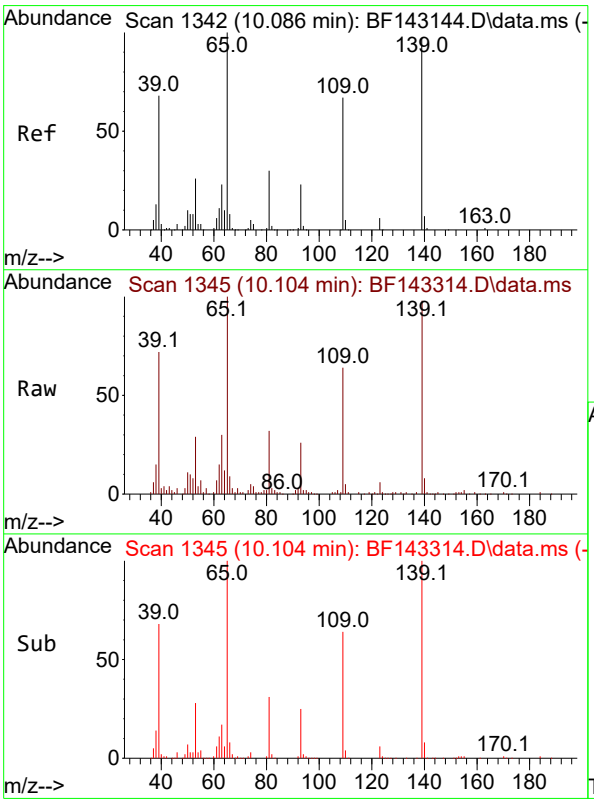
Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.5	44.3
169	13.5	10.9	16.3

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

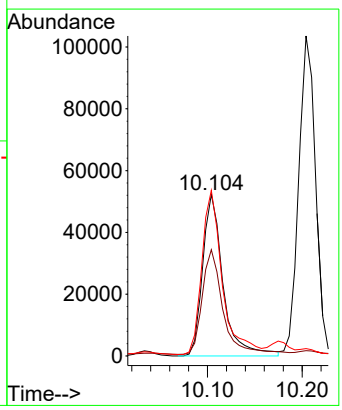


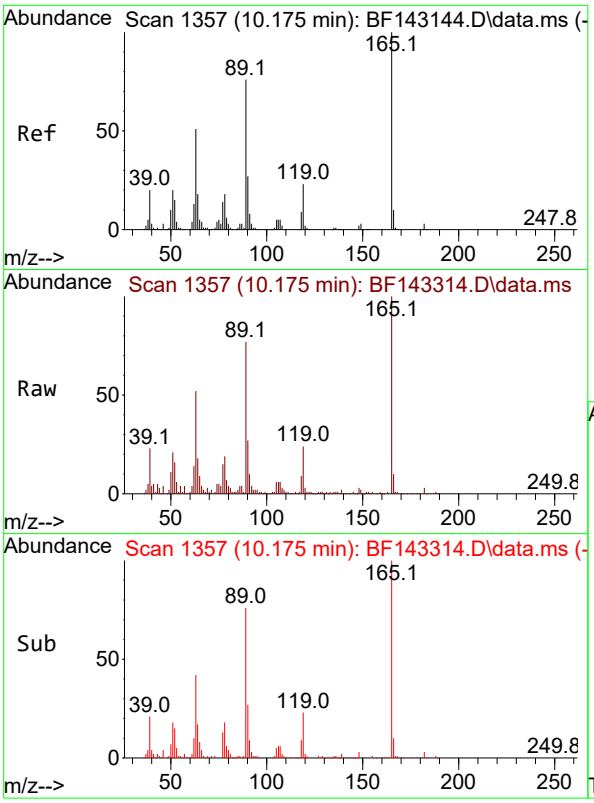


#56
4-Nitrophenol
Concen: 33.834 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:139 Resp: 78452

Ion	Ratio	Lower	Upper
139	100		
109	65.7	48.5	88.5
65	102.5	83.4	123.4





#57
2,4-Dinitrotoluene
Concen: 21.694 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

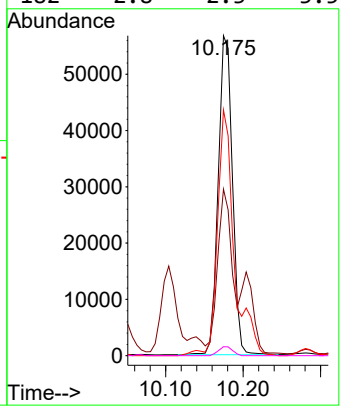
Tgt Ion:165 Resp: 7225

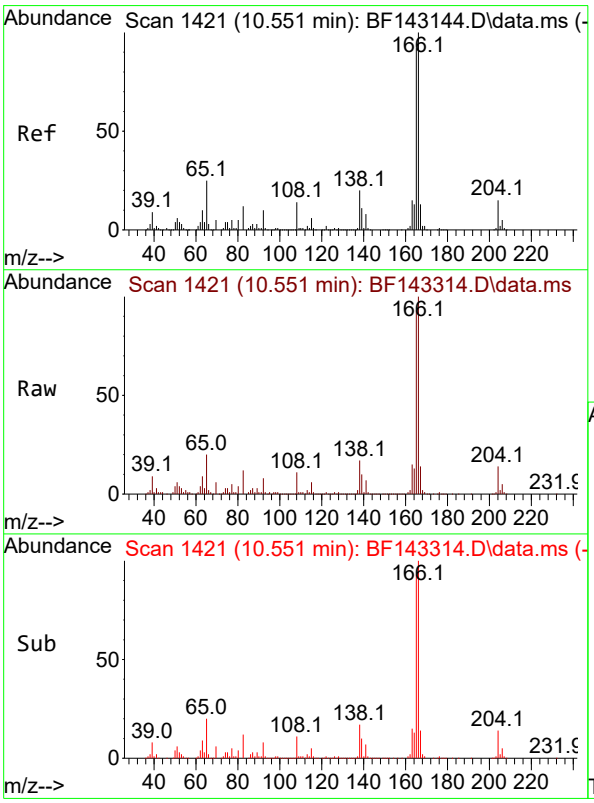
Ion	Ratio	Lower	Upper
165	100		
63	52.1	41.0	61.4
89	76.8	61.1	91.7
182	2.8	2.3	3.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

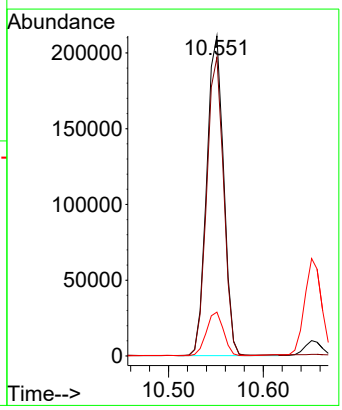


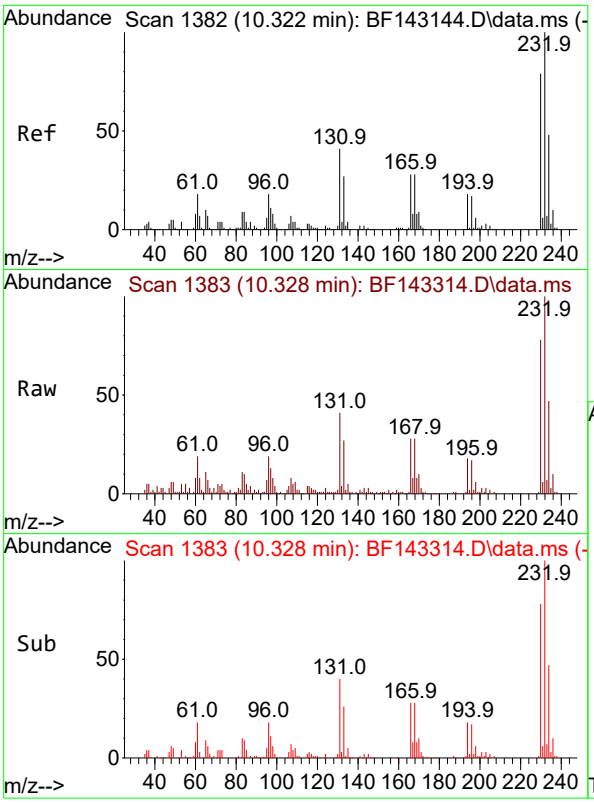


#58
Fluorene
Concen: 20.456 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:166 Resp: 260939

Ion	Ratio	Lower	Upper
166	100		
165	93.3	73.7	110.5
167	13.7	10.6	16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 18.300 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

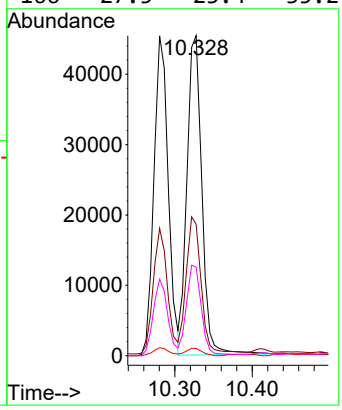
Tgt Ion:232 Resp: 6065

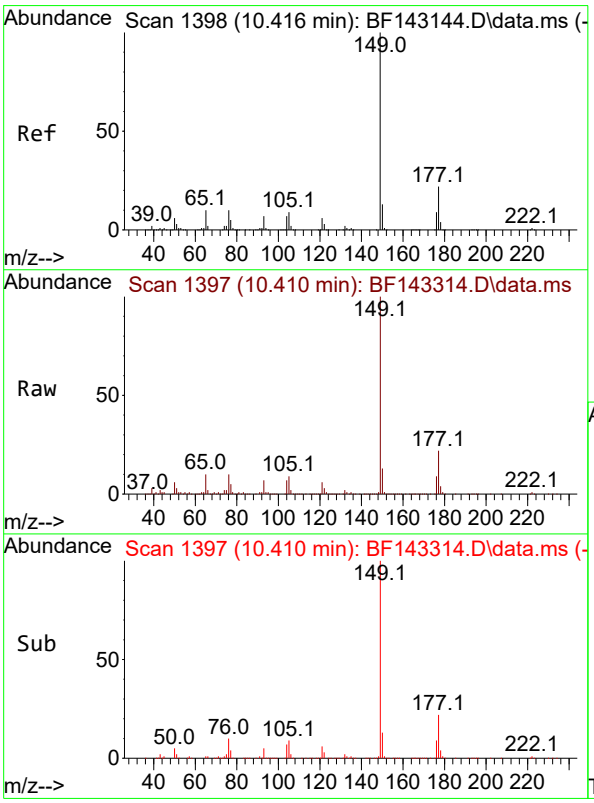
Ion	Ratio	Lower	Upper
232	100		
131	41.9	35.3	52.9
130	2.5	1.7	2.5
166	27.5	23.4	35.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

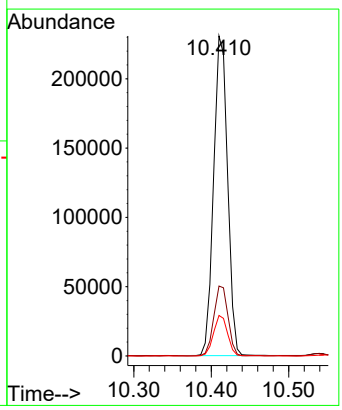


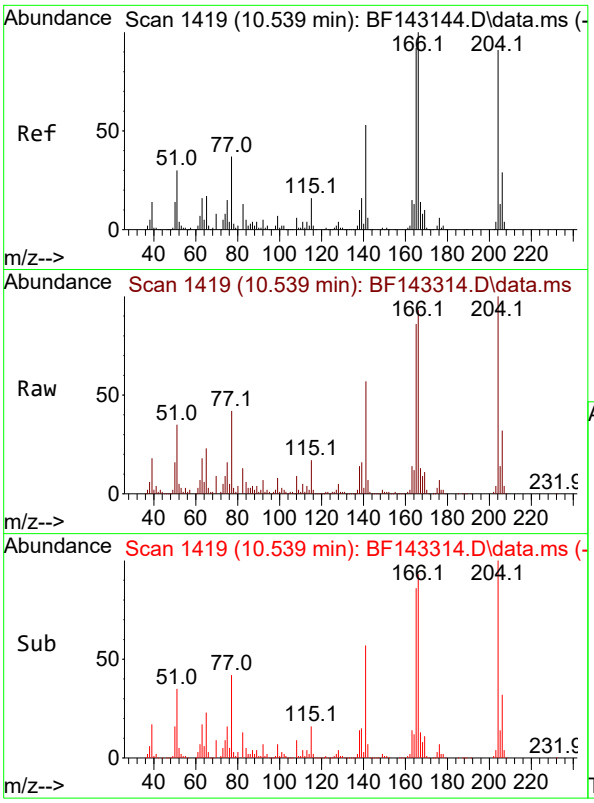


#60
Diethylphthalate
Concen: 22.388 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:149 Resp: 288769

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.6	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 20.703 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

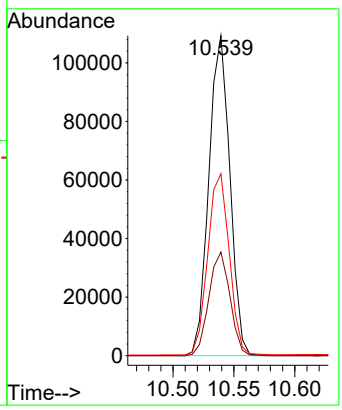
Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

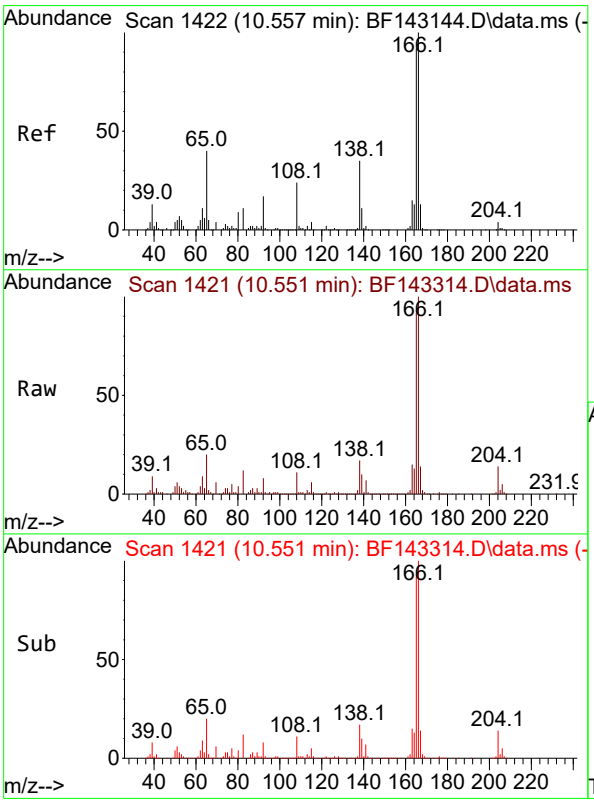
Tgt Ion:204 Resp: 13150

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	56.9	47.0	70.4

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

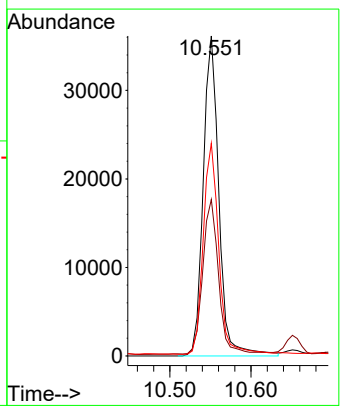


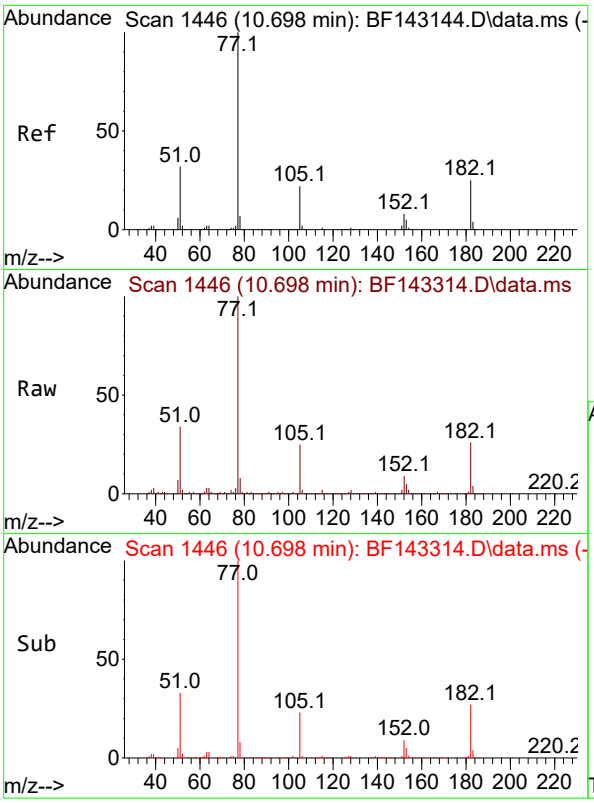


#62
4-Nitroaniline
Concen: 18.161 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:138 Resp: 48330

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.3	69.3
108	66.4	48.3	88.3





#63
Azobenzene
Concen: 20.585 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

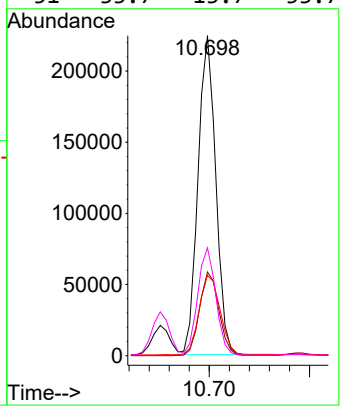
Tgt Ion: 77 Resp: 27671

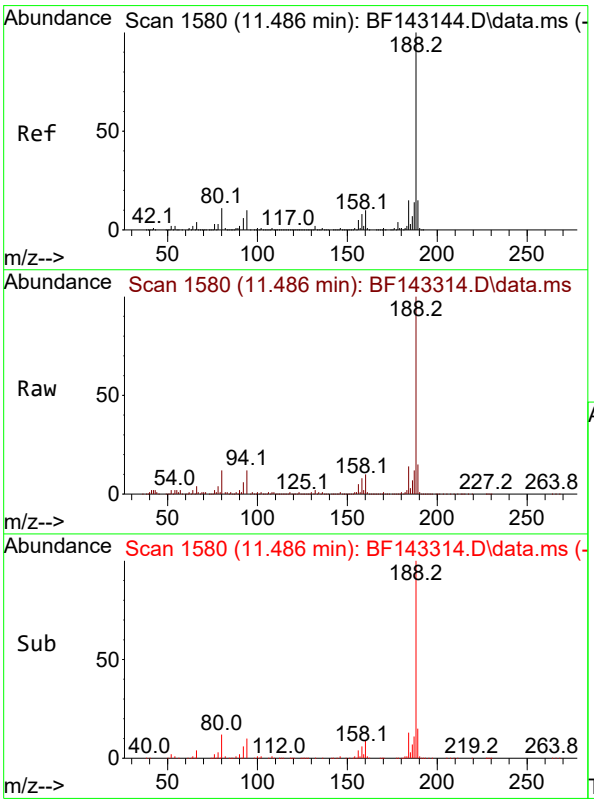
Ion	Ratio	Lower	Upper
77	100		
182	26.1	4.6	44.6
105	25.1	1.4	41.4
51	33.7	13.7	53.7

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

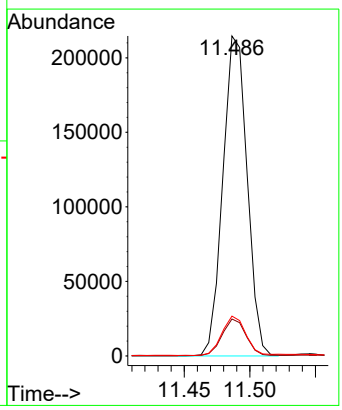


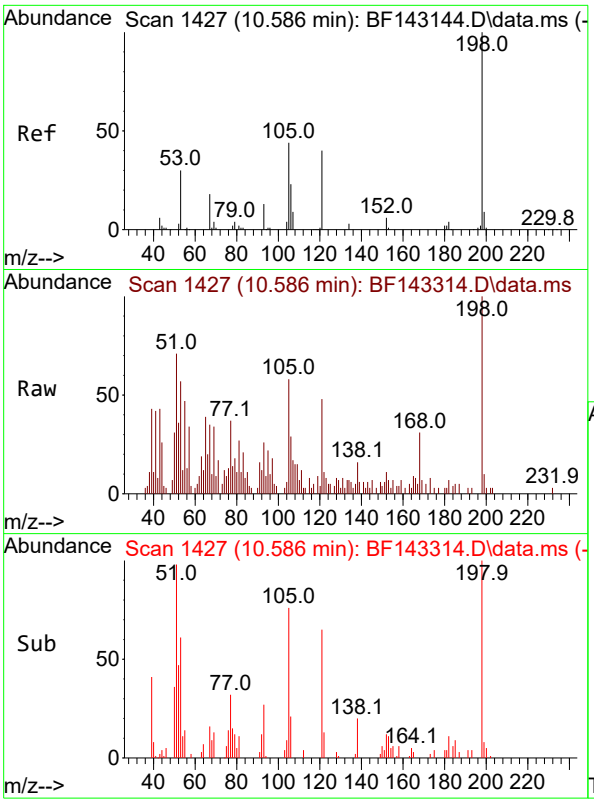


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:188 Resp: 276419

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.3	12.5
80	12.5	9.0	13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 9.992 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

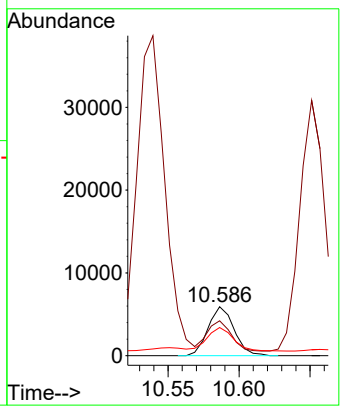
Tgt Ion:198 Resp: 747

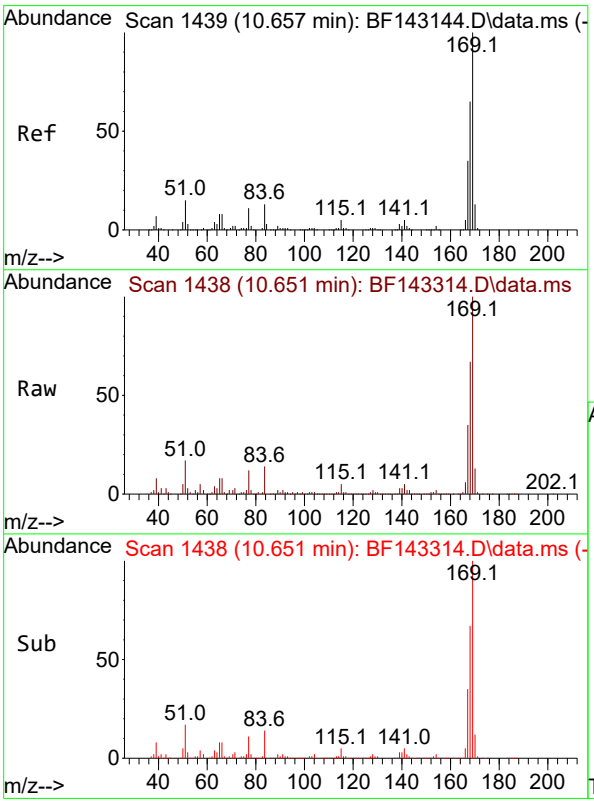
Ion	Ratio	Lower	Upper
198	100		
51	71.5	37.2	77.2
105	57.5	24.8	64.8

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

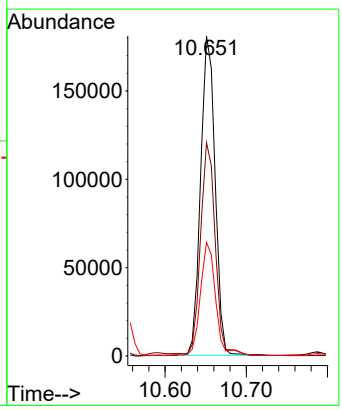


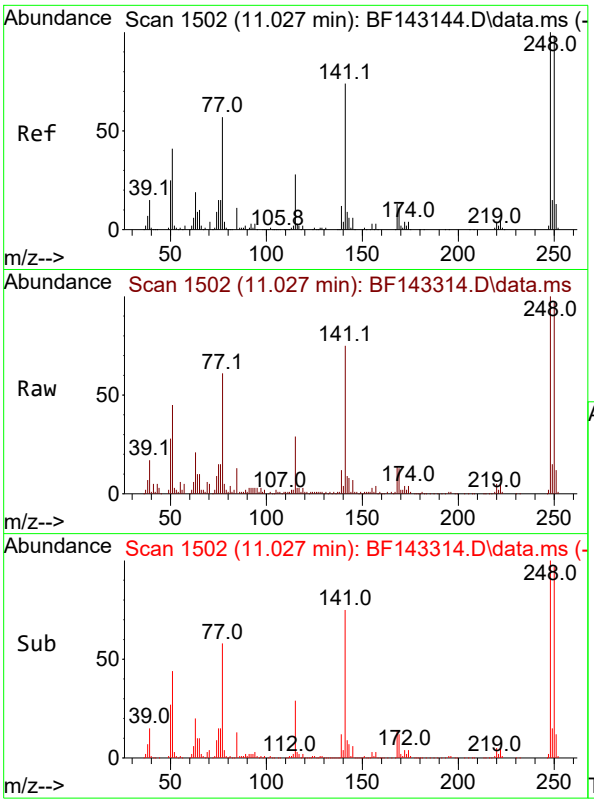


#66
n-Nitrosodiphenylamine
Concen: 23.016 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:169 Resp: 224032

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.1	78.1
167	35.5	28.2	42.2





#67
4-Bromophenyl-phenylether
Concen: 21.978 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

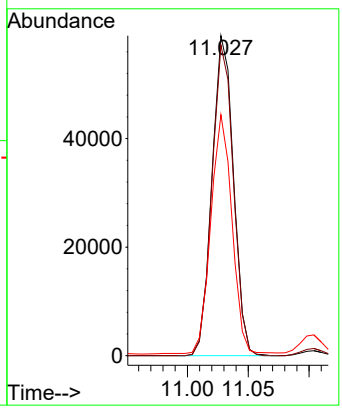
Tgt Ion:248 Resp: 7239

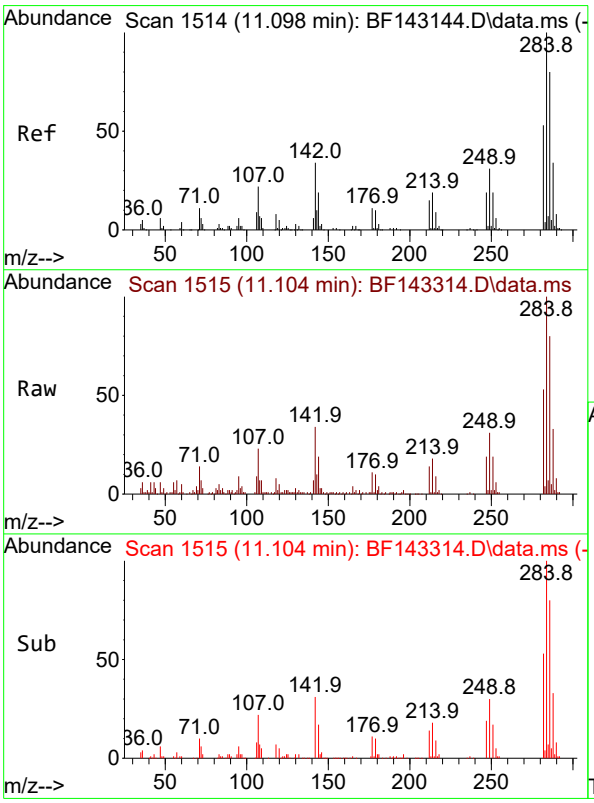
Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.3	117.5
141	75.3	59.2	88.8

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

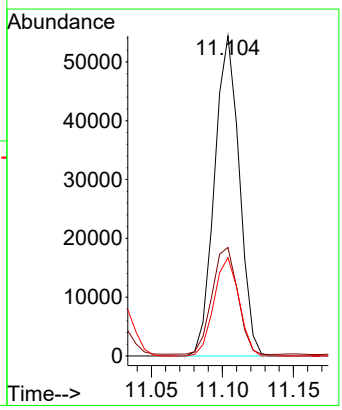


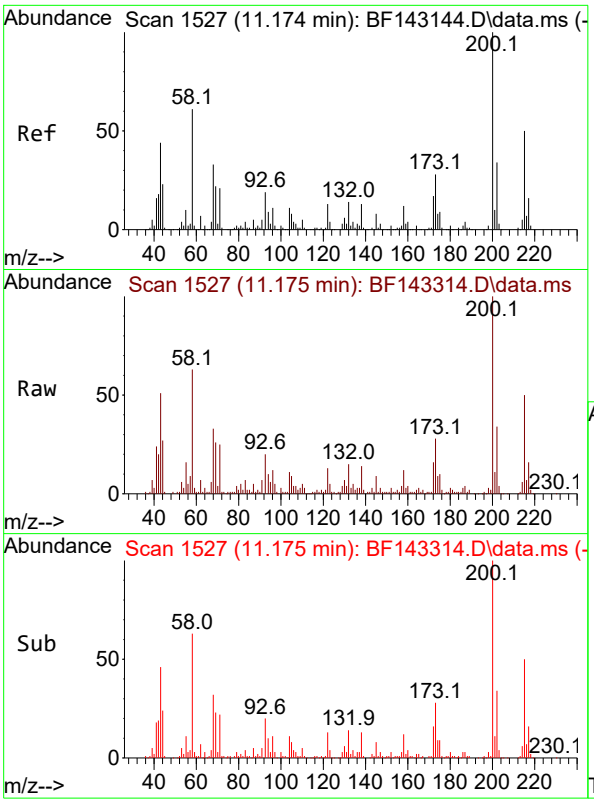


#68
Hexachlorobenzene
Concen: 19.171 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:284 Resp: 66007

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.0	40.6
249	30.7	25.0	37.6





#69
Atrazine
Concen: 23.908 ng
RT: 11.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

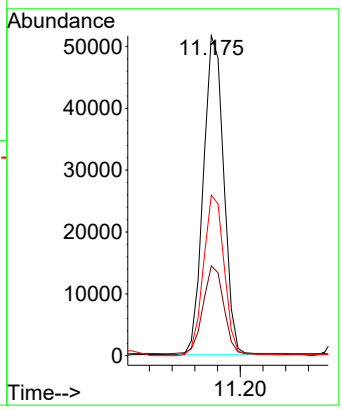
Tgt Ion:200 Resp: 6415

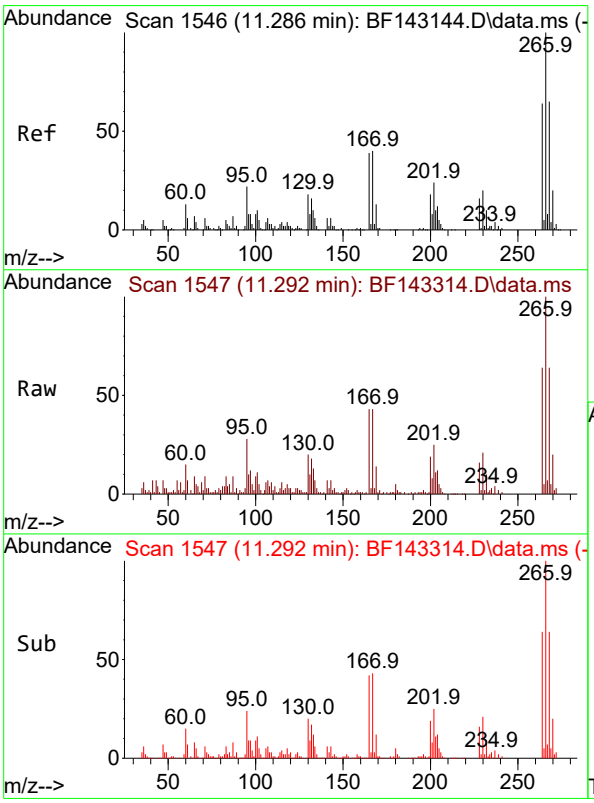
Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.9	47.9
215	50.2	30.1	70.1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

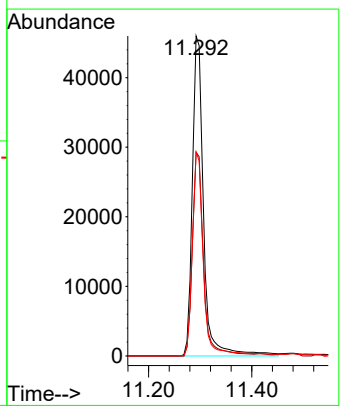


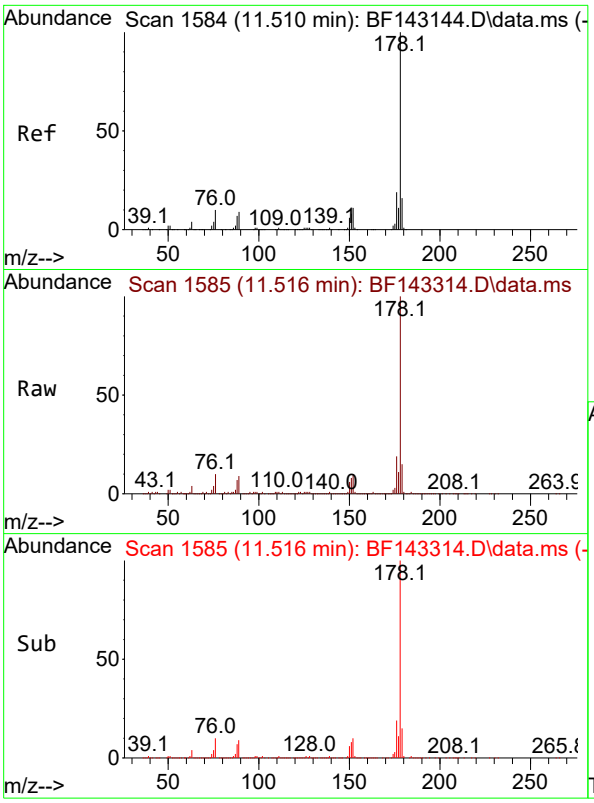


#70
Pentachlorophenol
Concen: 34.253 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:266 Resp: 69356

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.9	77.9
264	63.7	51.0	76.6





#71
Phenanthrene
Concen: 29.004 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

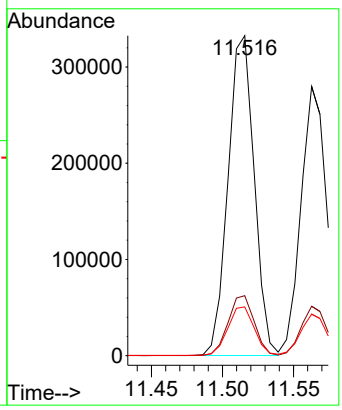
Tgt Ion:178 Resp: 42569

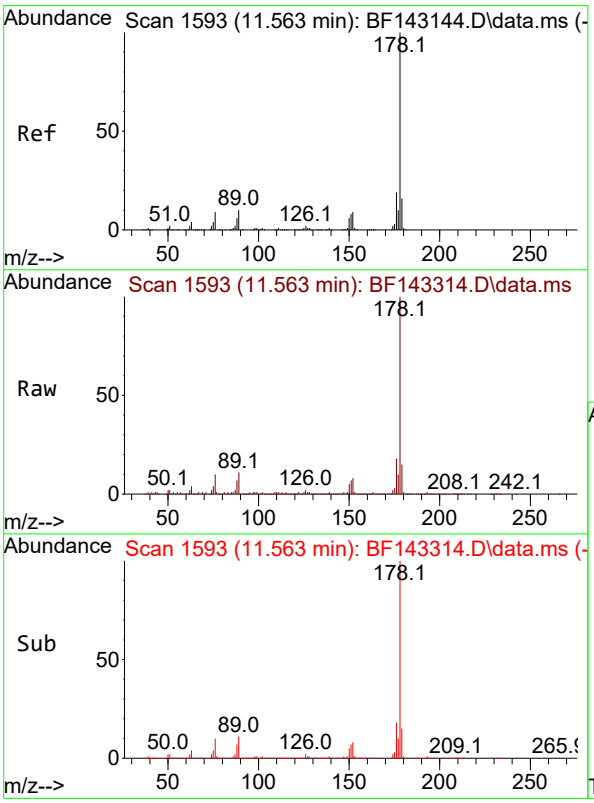
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.2	12.5	18.7

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

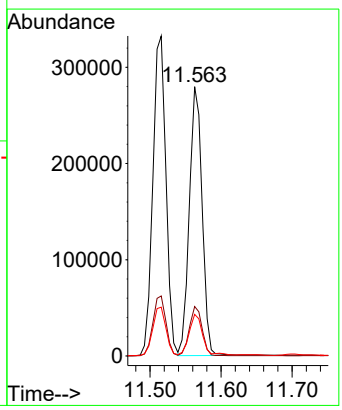


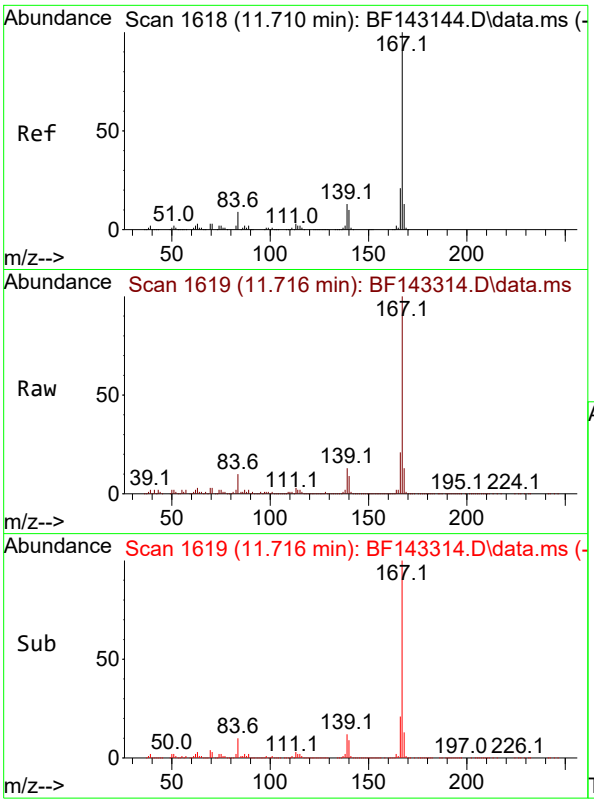


#72
Anthracene
Concen: 23.476 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:178 Resp: 351413

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.4	12.5	18.7





#73
Carbazole
Concen: 23.386 ng
RT: 11.716 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

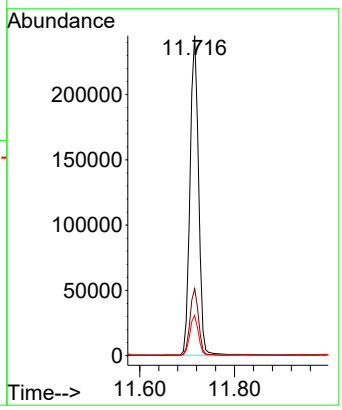
Tgt Ion:167 Resp: 30567

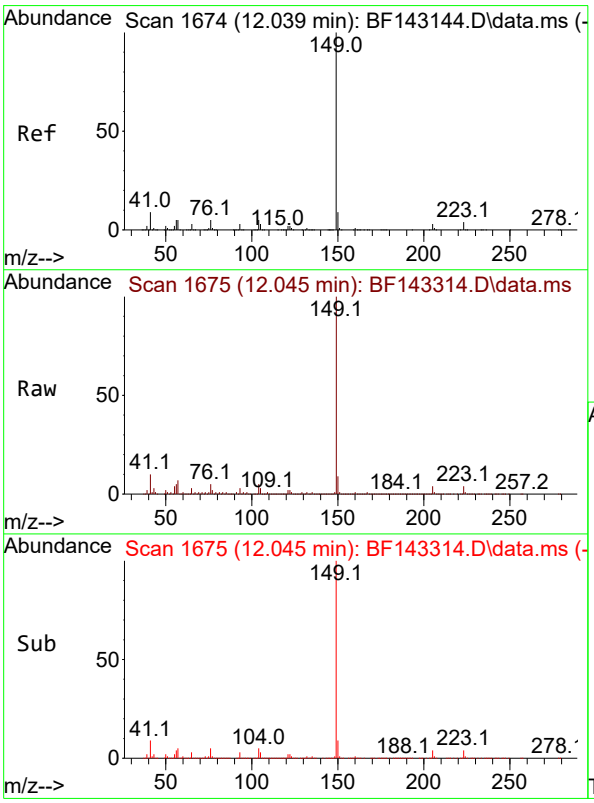
Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	12.6	10.0	15.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

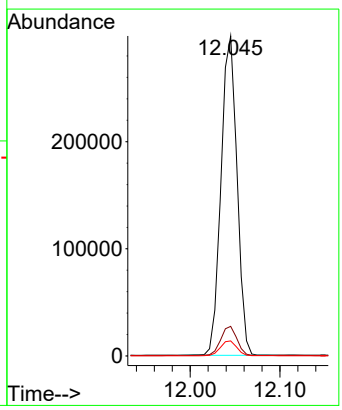


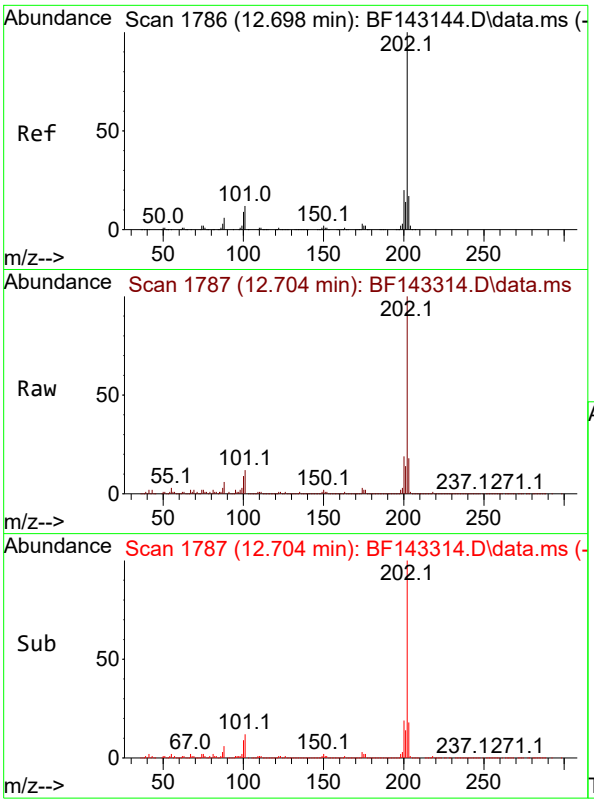


#74
Di-n-butylphthalate
Concen: 24.945 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:149 Resp: 368926

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.7	3.8	5.8





#75
Fluoranthene
Concen: 49.041 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

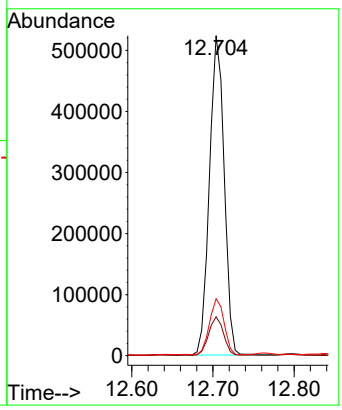
Tgt Ion:202 Resp: 66066

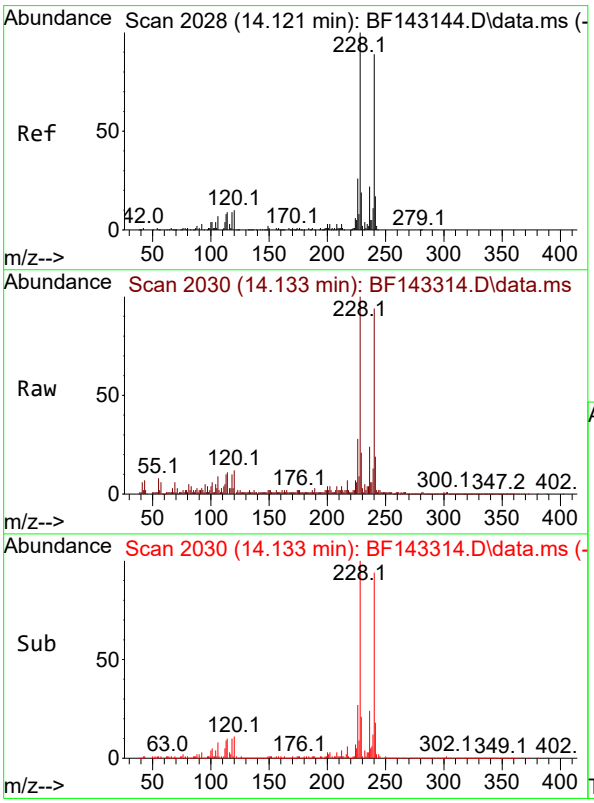
Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.7
203	17.8	0.0	37.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

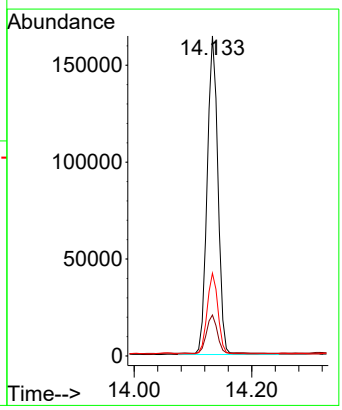


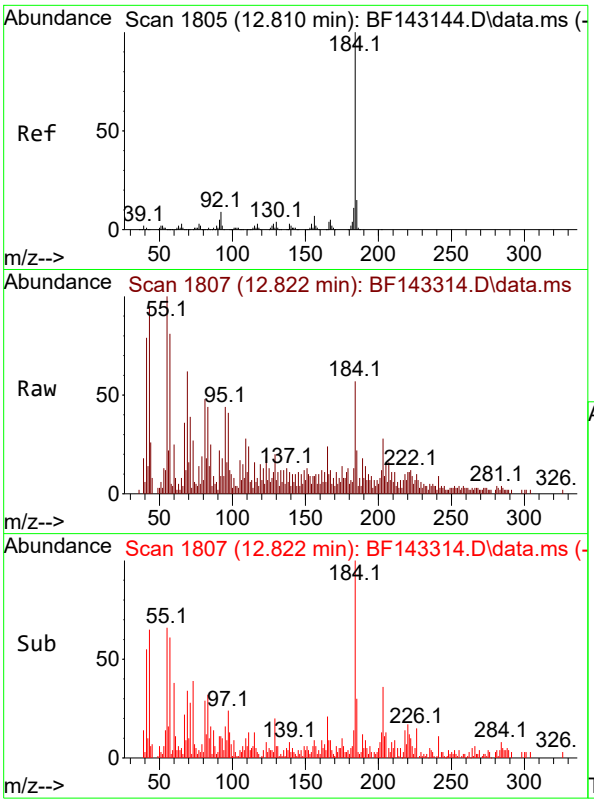


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:240 Resp: 209954

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.4	14.2
236	25.9	20.2	30.4





#77
Benzidine
Concen: 1.172 ng
RT: 12.822 min Scan# 1
Delta R.T. 0.011 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

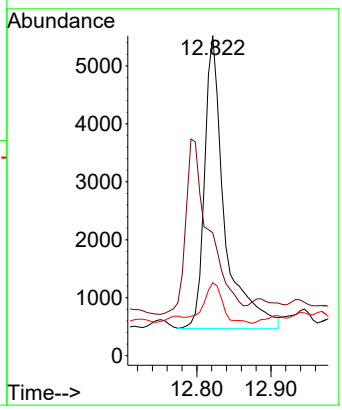
Tgt Ion:184 Resp: 947

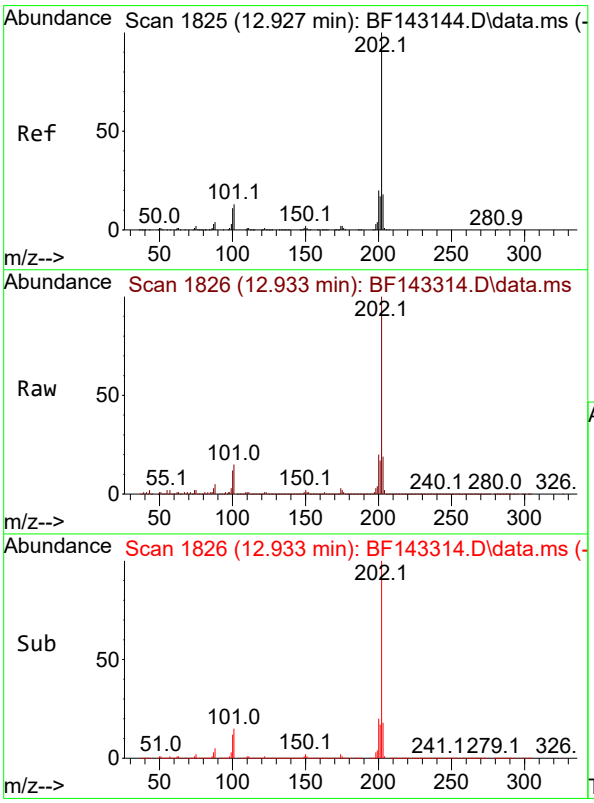
Ion	Ratio	Lower	Upper
184	100		
185	38.4	12.2	18.4
183	22.8	9.0	13.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

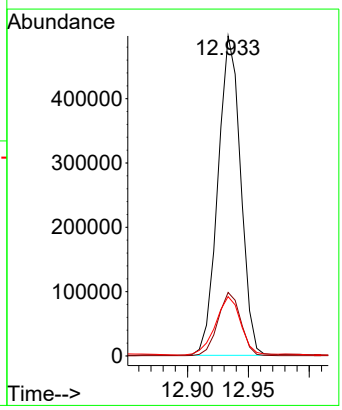


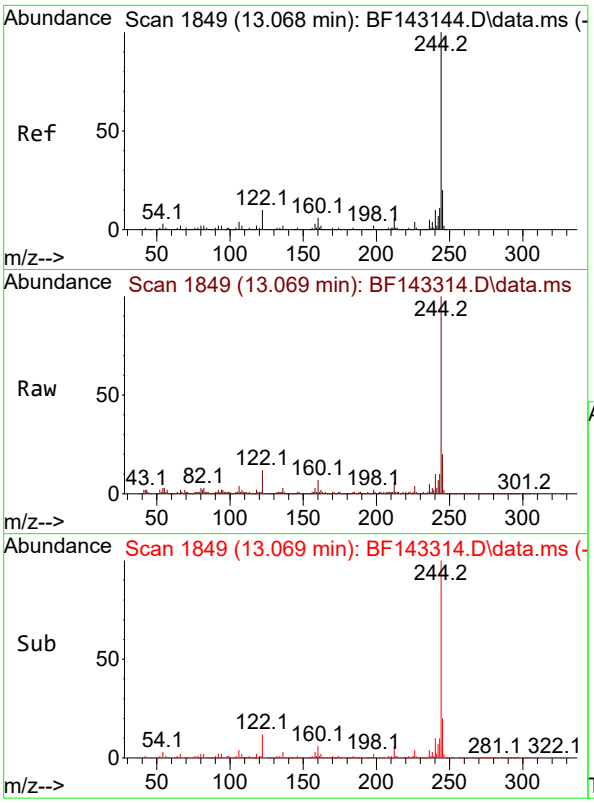


#78
Pyrene
Concen: 35.992 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:202 Resp: 644926

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	18.6	14.2	21.2





#79
Terphenyl-d14
Concen: 25.341 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

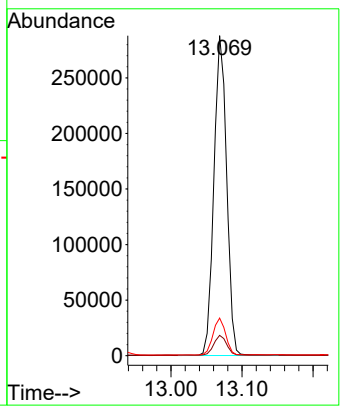
Tgt Ion:244 Resp: 35753

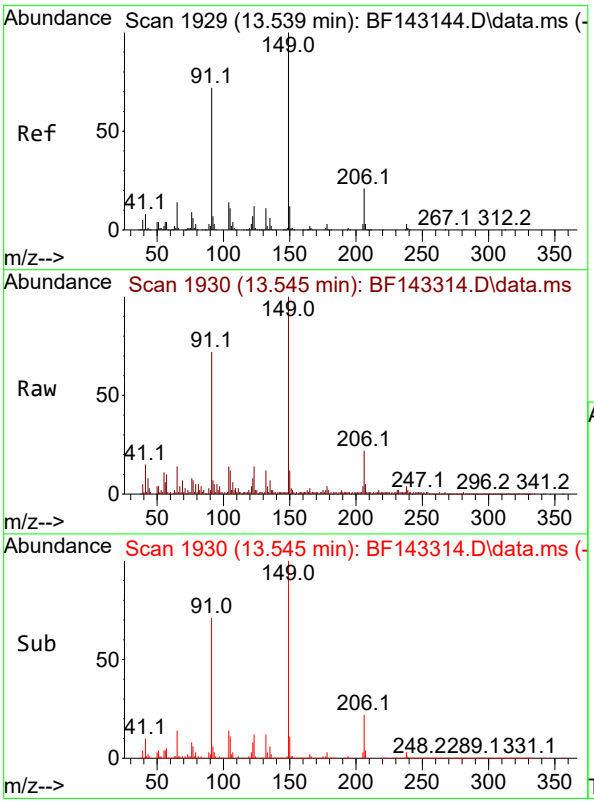
Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.8	8.2	12.2

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

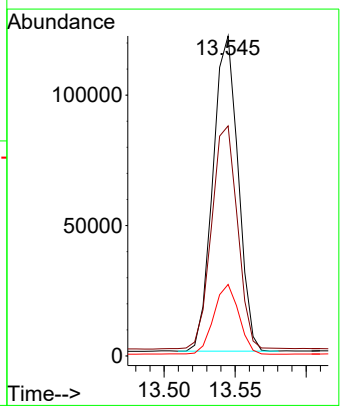


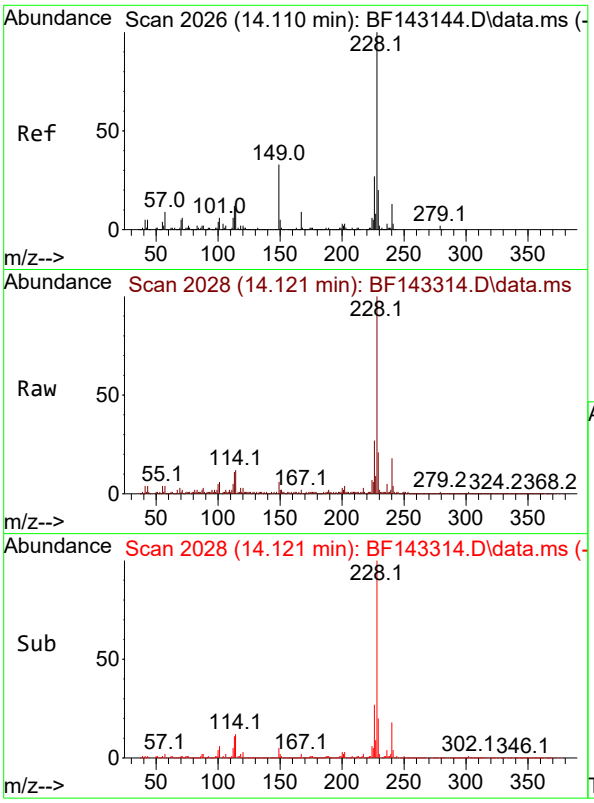


#80
Butylbenzylphthalate
Concen: 27.252 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:149 Resp: 149527

Ion	Ratio	Lower	Upper
149	100		
91	71.9	57.9	86.9
206	22.3	17.0	25.4





#81
Benzo(a)anthracene
Concen: 32.314 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

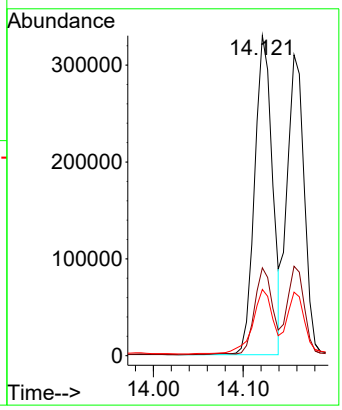
Tgt Ion:228 Resp: 45422

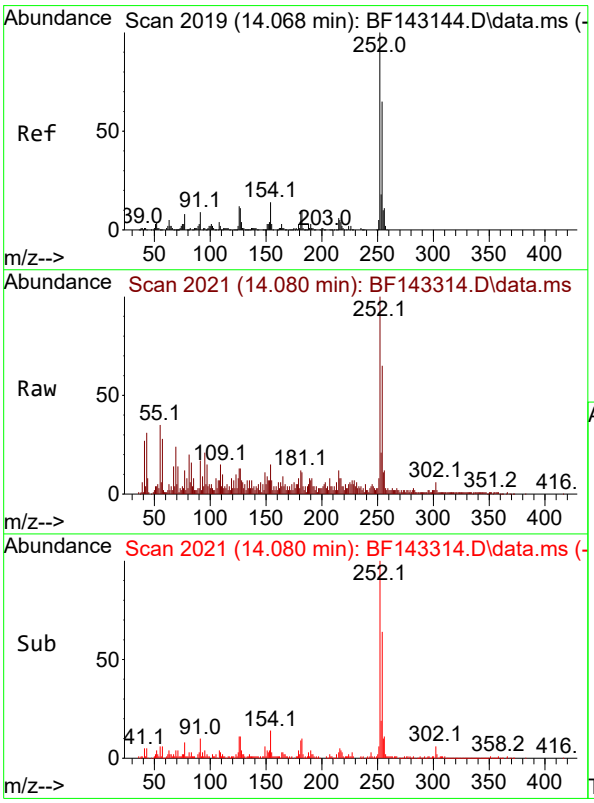
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.7	15.8	23.6

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

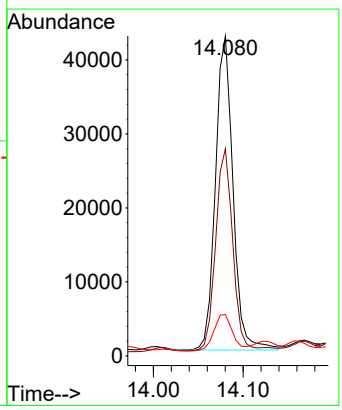


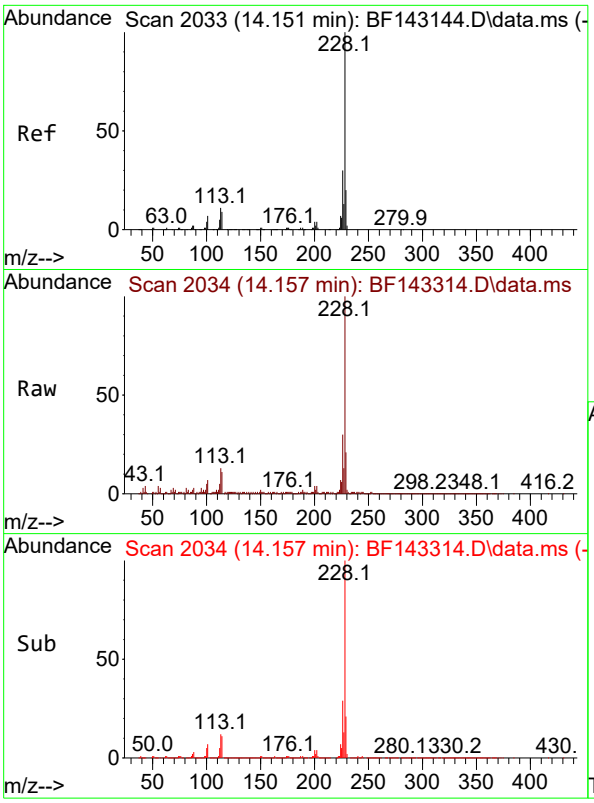


#82
3,3'-Dichlorobenzidine
Concen: 12.311 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 57677

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	13.0	9.4	14.0





#83
Chrysene
Concen: 32.234 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

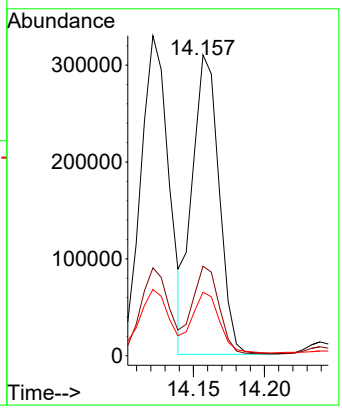
Tgt Ion:228 Resp: 40738

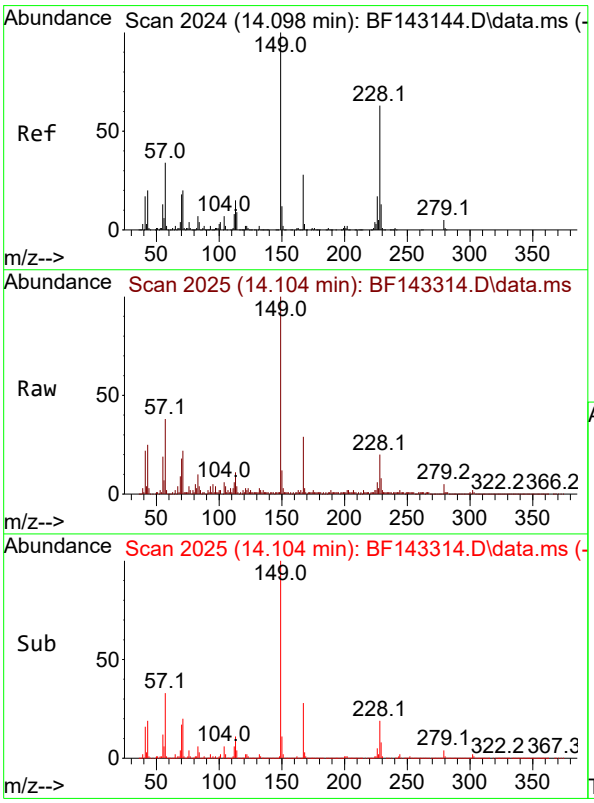
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	21.1	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

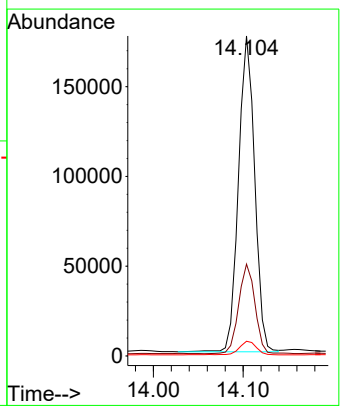


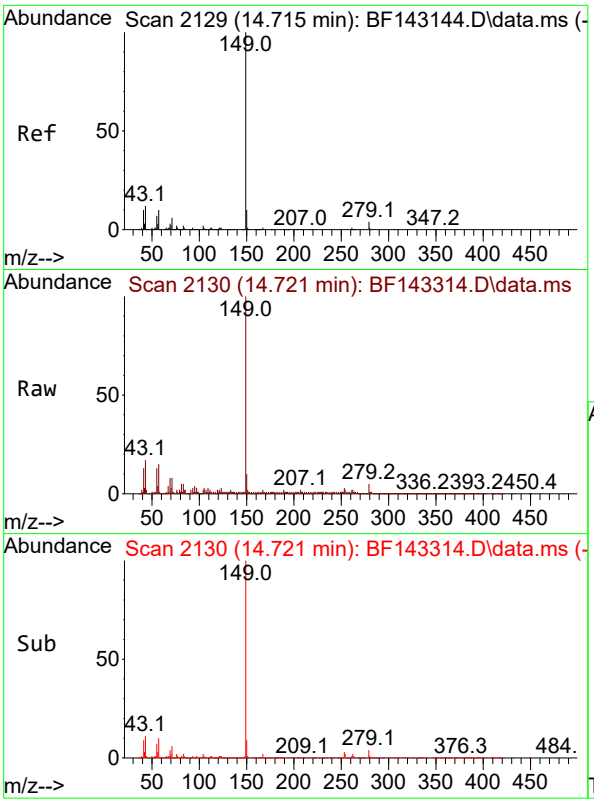


#84
Bis(2-ethylhexyl)phthalate
Concen: 26.468 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:149 Resp: 219811

Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.3	33.5
279	4.6	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 22.761 ng
RT: 14.721 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

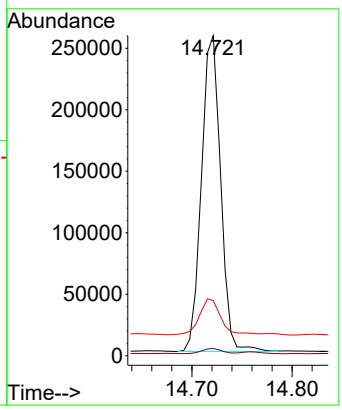
Tgt Ion:149 Resp: 34264

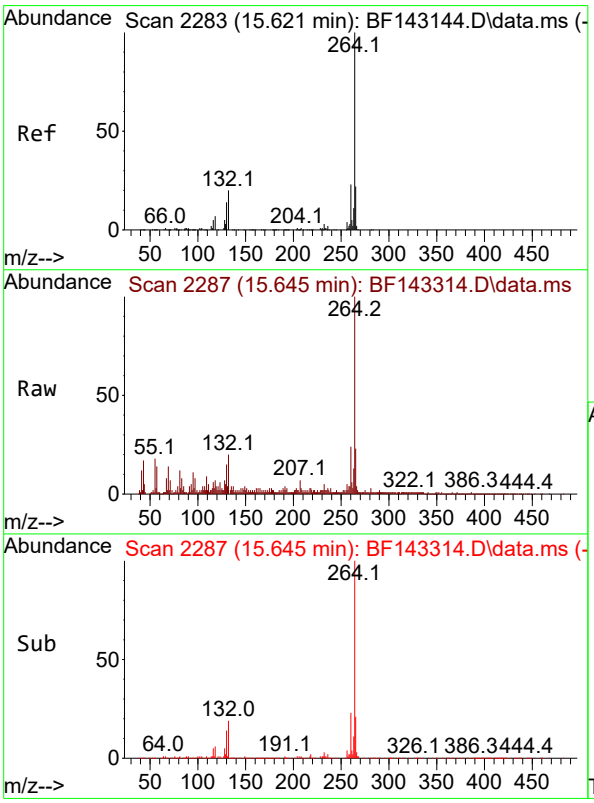
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7#
43	12.5	9.7	14.5

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

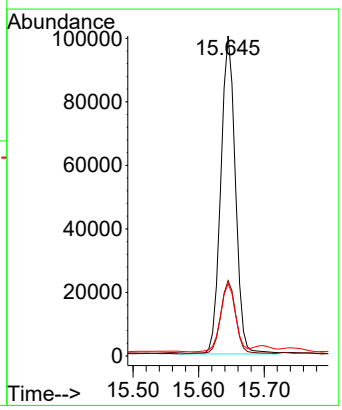


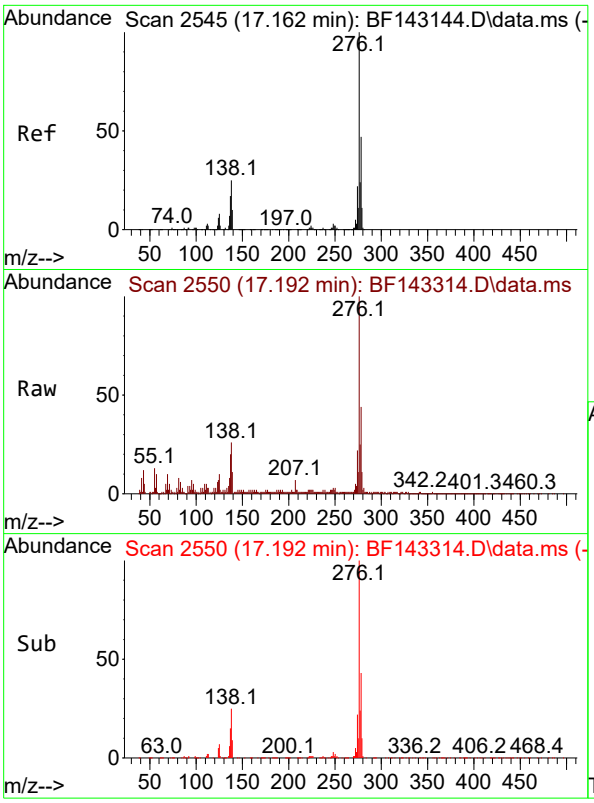


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:264 Resp: 154652

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.6	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 20.994 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

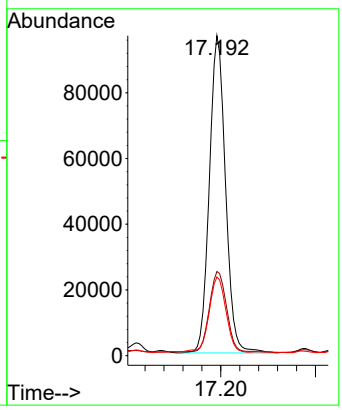
Tgt Ion:276 Resp: 22894

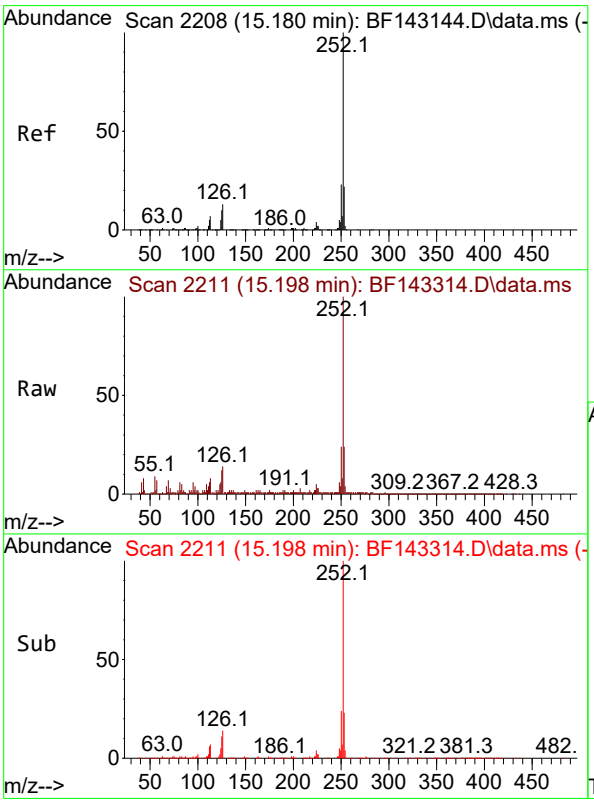
Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.6
277	24.5	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

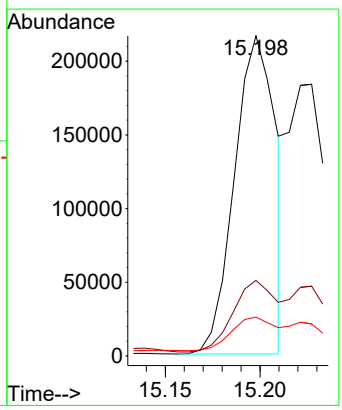


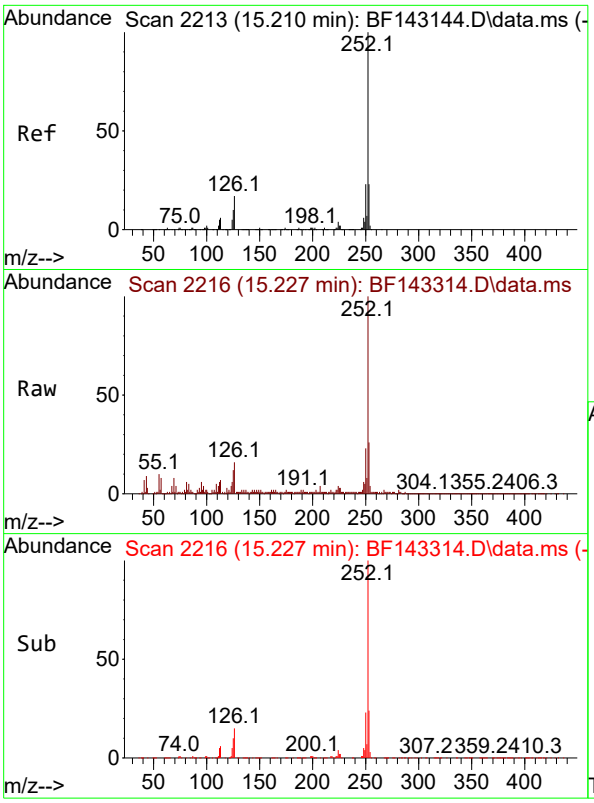


#88
Benzo(b)fluoranthene
Concen: 34.391 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 324920

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.2	8.0	12.0#





#89
Benzo(k)fluoranthene
Concen: 30.980 ng m
RT: 15.227 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

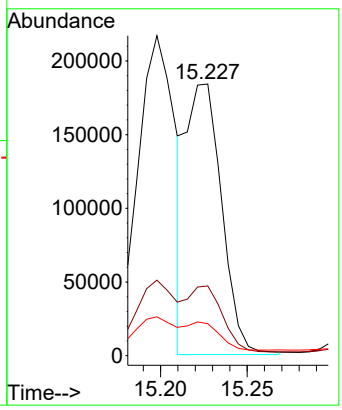
Tgt Ion:252 Resp: 26118

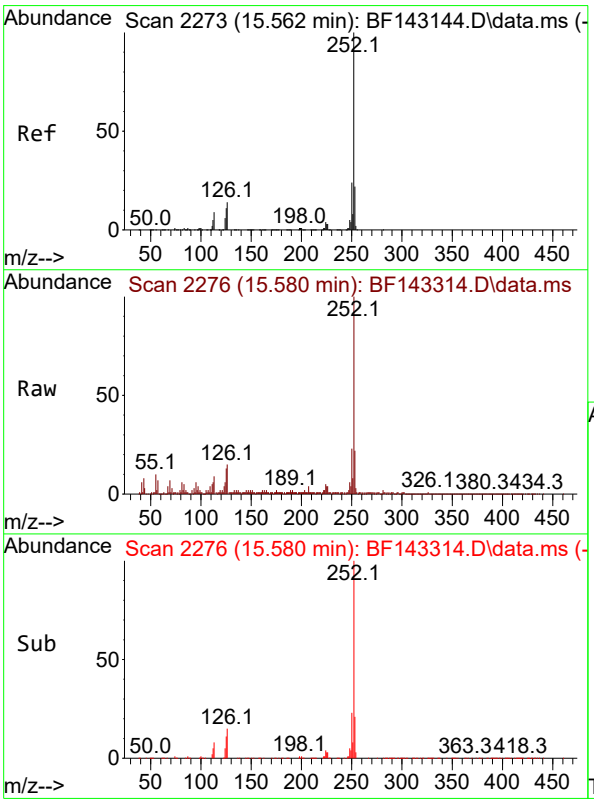
Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.8	26.6
125	11.8	8.1	12.1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

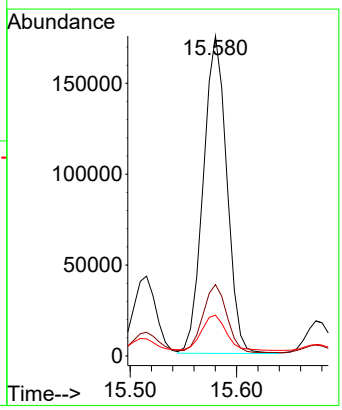


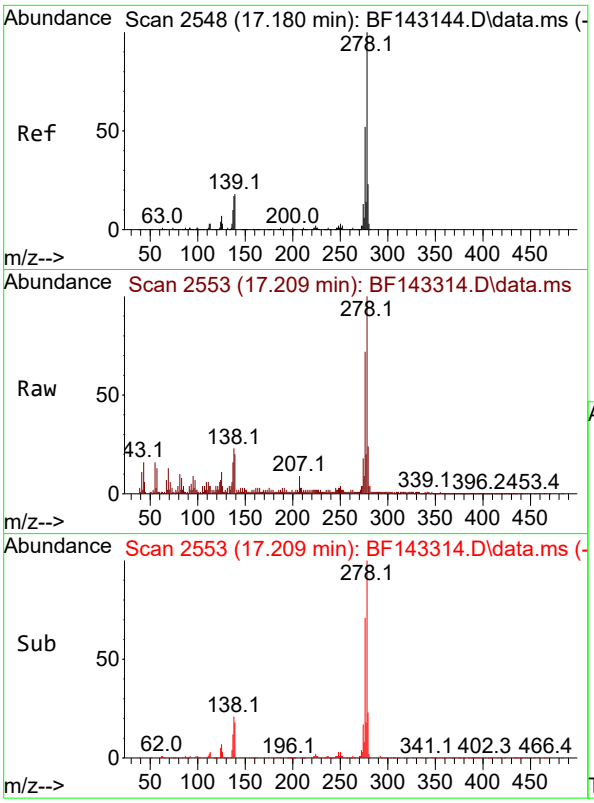


#90
Benzo(a)pyrene
Concen: 30.764 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 267795

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	12.7	8.6	13.0





#91
Dibenzo(a,h)anthracene
Concen: 17.723 ng
RT: 17.209 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

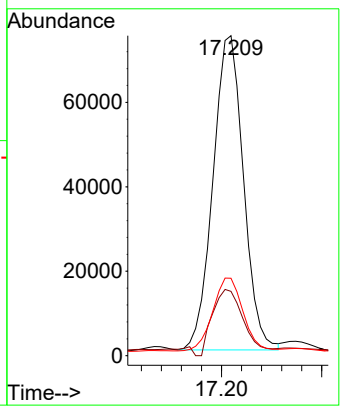
Tgt Ion:278 Resp: 15730

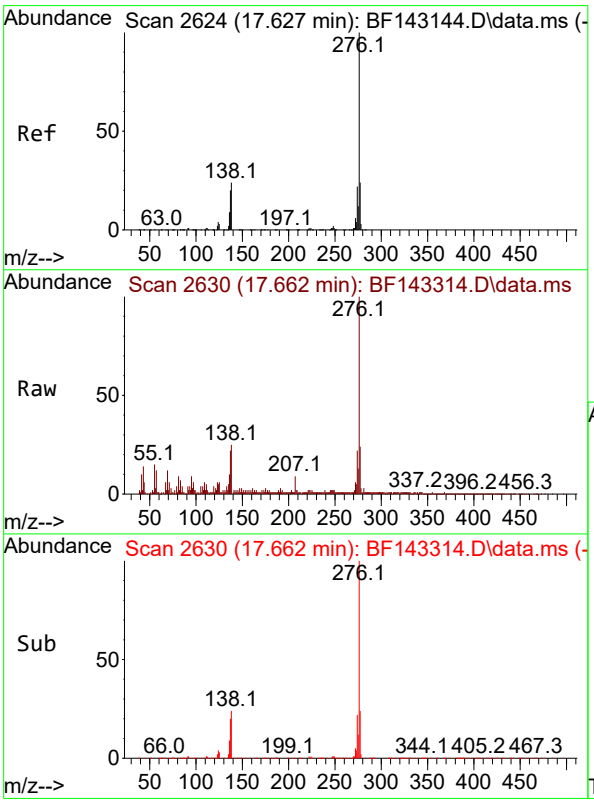
Ion	Ratio	Lower	Upper
278	100		
139	20.1	14.1	21.1
279	24.2	18.6	28.0

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/06/2025
Supervised By :Jagrut Upadhyay 08/06/2025

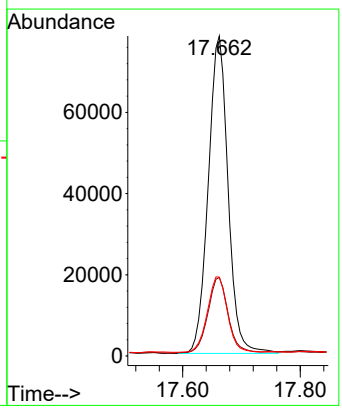




#92
Benzo(g,h,i)perylene
Concen: 21.337 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:276 Resp: 183201

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	24.7	18.9	28.3



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:	bf080525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
PB169095BS	BF143307.D	Caprolactam	Rahul	8/6/2025 8:29:34 AM	Jagrut	8/6/2025 10:56:28 AM	Peak Integrated by Software
Q2747-01	BF143308.D	Benzo(b)fluoranthene	Rahul	8/6/2025 8:29:37 AM	Jagrut	8/6/2025 10:56:30 AM	Peak Integrated by Software
Q2747-03	BF143309.D	Benzo(b)fluoranthene	Rahul	8/6/2025 8:29:40 AM	Jagrut	8/6/2025 10:56:33 AM	Peak Integrated by Software
Q2747-07	BF143311.D	Benzo(b)fluoranthene	Rahul	8/6/2025 8:29:43 AM	Jagrut	8/6/2025 10:56:35 AM	Peak Integrated by Software
Q2747-09	BF143312.D	Benzo(b)fluoranthene	Rahul	8/6/2025 8:29:46 AM	Jagrut	8/6/2025 10:56:37 AM	Peak Integrated by Software
Q2747-09	BF143312.D	Benzo(k)fluoranthene	Rahul	8/6/2025 8:29:46 AM	Jagrut	8/6/2025 10:56:37 AM	Peak Integrated by Software
Q2734-01MS	BF143313.D	2,4-Dimethylphenol	Rahul	8/6/2025 8:29:48 AM	Jagrut	8/6/2025 10:56:39 AM	Peak Integrated by Software
Q2734-01MS	BF143313.D	Benzo(k)fluoranthene	Rahul	8/6/2025 8:29:48 AM	Jagrut	8/6/2025 10:56:39 AM	Peak Integrated by Software
Q2734-01MSD	BF143314.D	2,4-Dimethylphenol	Rahul	8/6/2025 8:29:51 AM	Jagrut	8/6/2025 10:56:42 AM	Peak Integrated by Software
Q2734-01MSD	BF143314.D	Benzo(k)fluoranthene	Rahul	8/6/2025 8:29:51 AM	Jagrut	8/6/2025 10:56:42 AM	Peak Integrated by Software
SSTDCCC040	BF143319.D	Benzoic acid	Rahul	8/6/2025 11:54:27 AM	Jagrut	8/6/2025 11:54:43 AM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # 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 # BF080525

Review By	Rahul	Review On	8/6/2025 10:17:44 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:56:56 AM		
SubDirectory	BF080525	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	S13169,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF143304.D	05 Aug 2025 09:02	RC/JU	Ok
2	SSTDCCC040	BF143305.D	05 Aug 2025 10:00	RC/JU	Ok
3	PB169095BL	BF143306.D	05 Aug 2025 10:29	RC/JU	Ok
4	PB169095BS	BF143307.D	05 Aug 2025 10:58	RC/JU	Ok,M
5	Q2747-01	BF143308.D	05 Aug 2025 11:34	RC/JU	Ok,M
6	Q2747-03	BF143309.D	05 Aug 2025 12:03	RC/JU	Ok,M
7	Q2747-05	BF143310.D	05 Aug 2025 12:32	RC/JU	Ok
8	Q2747-07	BF143311.D	05 Aug 2025 13:01	RC/JU	Ok,M
9	Q2747-09	BF143312.D	05 Aug 2025 13:30	RC/JU	Ok,M
10	Q2734-01MS	BF143313.D	05 Aug 2025 13:59	RC/JU	Ok,M
11	Q2734-01MSD	BF143314.D	05 Aug 2025 14:28	RC/JU	Ok,M
12	Q2759-01	BF143315.D	05 Aug 2025 14:57	RC/JU	Dilution
13	Q2758-01	BF143316.D	05 Aug 2025 15:26	RC/JU	Ok,M
14	Q2760-01	BF143317.D	05 Aug 2025 15:55	RC/JU	Ok
15	Q2759-01DL	BF143318.D	05 Aug 2025 16:24	RC/JU	Ok
16	SSTDCCC040	BF143319.D	05 Aug 2025 16:54	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 # 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 # BF080525

Review By	Rahul	Review On	8/6/2025 10:17:44 AM		
Supervise By	Jagrut	Supervise On	8/6/2025 10:56:56 AM		
SubDirectory	BF080525	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	S13169,10ul/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	BF143304.D	05 Aug 2025 09:02		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF143305.D	05 Aug 2025 10:00		RC/JU	Ok
3	PB169095BL	PB169095BL	BF143306.D	05 Aug 2025 10:29		RC/JU	Ok
4	PB169095BS	PB169095BS	BF143307.D	05 Aug 2025 10:58		RC/JU	Ok,M
5	Q2747-01	OU4-TS-GRILLO-OG2-	BF143308.D	05 Aug 2025 11:34		RC/JU	Ok,M
6	Q2747-03	OU4-TS-GRILLO-OG3-	BF143309.D	05 Aug 2025 12:03		RC/JU	Ok,M
7	Q2747-05	OU4-TS-GRILLO-OG4-	BF143310.D	05 Aug 2025 12:32		RC/JU	Ok
8	Q2747-07	OU4-TS-GRILLO-TSCF	BF143311.D	05 Aug 2025 13:01		RC/JU	Ok,M
9	Q2747-09	OU4-TS-GRILLO-TSCF	BF143312.D	05 Aug 2025 13:30		RC/JU	Ok,M
10	Q2734-01MS	VNJ-253MS	BF143313.D	05 Aug 2025 13:59		RC/JU	Ok,M
11	Q2734-01MSD	VNJ-253MSD	BF143314.D	05 Aug 2025 14:28		RC/JU	Ok,M
12	Q2759-01	SOLID-DRUMS	BF143315.D	05 Aug 2025 14:57	Need 5X.	RC/JU	Dilution
13	Q2758-01	WASTE	BF143316.D	05 Aug 2025 15:26		RC/JU	Ok,M
14	Q2760-01	NB-07-08042025	BF143317.D	05 Aug 2025 15:55		RC/JU	Ok
15	Q2759-01DL	SOLID-DRUMSDL	BF143318.D	05 Aug 2025 16:24		RC/JU	Ok
16	SSTDCCC040	SSTDCCC040EC	BF143319.D	05 Aug 2025 16:54		RC/JU	Ok,M

M : Manual Integration

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 8/4/2025

OVENTEMP IN Celsius(°C): 106
Time IN: 16:15
In Date: 08/01/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 104
Time OUT: 08:14
Out Date: 08/02/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID-OVEN

QC: LB136681

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
Q2744-05	SVOC-GPC-BLANK	1	1.00	1.00	2.00	2.00	100.0	
Q2744-06	PEST-GPC-BLANK	2	1.00	1.00	2.00	2.00	100.0	
Q2744-07	PEST-GPC-BLANK-SPIKE	3	1.00	1.00	2.00	2.00	100.0	
Q2744-10	SVOC-GPC2-BLANK	4	1.00	1.00	2.00	2.00	100.0	
Q2744-11	PEST-GPC2-BLANK	5	1.00	1.00	2.00	2.00	100.0	
Q2744-12	PEST-GPC2-BLANK-SPIKE	6	1.00	1.00	2.00	2.00	100.0	
Q2747-01	OU4-TS-GRILLO-OG2-073125	7	1.17	10.04	11.21	8.77	75.7	
Q2747-03	OU4-TS-GRILLO-OG3-073125	8	1.16	10.28	11.44	9.14	77.6	
Q2747-05	OU4-TS-GRILLO-OG4-073125	9	1.17	10.36	11.53	9.51	80.5	
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	10	1.16	10.07	11.23	7.85	66.4	
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	11	1.18	10.08	11.26	7.6	63.7	
Q2753-01	289	12	1.17	10.62	11.79	10.99	92.5	
Q2754-01	OILY-RAGS	13	1.00	1.00	2.00	2.00	100.0	oily-rags
Q2755-01	80125-A	14	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE
Q2755-02	80125-B	15	1.00	1.00	2.00	2.00	100.0	WIPE SAMPLE

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

LB 136681

WorkList Name : % SOLID-080125 **WorkList ID :** 191065 **Department :** Wet-Chemistry **Date :** 08-01-2025 15:30:29

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2744-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2744-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	Percent Solids	Cool 4 deg C	CHEM02	B61	07/25/2025	Chemtech -SO
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-07	OU4-TS-GRILLO-TSCP01-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2747-09	OU4-TS-GRILLO-TSCP02-0731	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2753-01	289	Solid	Percent Solids	Cool 4 deg C	NOBI03	O32	07/31/2025	Chemtech -SO
Q2754-01	OILY-RAGS	Solid	Percent Solids	Cool 4 deg C	PSEG01	D41	08/01/2025	Chemtech -SO
Q2755-01	80125-A	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO
Q2755-02	80125-B	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	08/01/2025	Chemtech -SO

Date/Time 08/01/25 15:50
Raw Sample Received by: 12(WC)
Raw Sample Relinquished by: CP SM

Date/Time 08/01/25 16:25
Raw Sample Received by: CP SM
Raw Sample Relinquished by: 12(WC)

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169095

SOP ID:	M3541-ASE Extraction-15				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/04/2025
Matrix :	Solid			**Extraction Start Time :**	09:20
Weigh By:	RJ	**Extraction By:**	RJ	**Extraction End Date :**	08/04/2025
Balance check:	RJ	**Filter By:**	RJ	**Extraction End Time :**	12:30
Balance ID:	EX-SC-2	**pH Meter ID:**	N/A	**Concentration By:**	RS
pH Strip Lot#:	N/A	**Hood ID:**	3,7	**Supervisor By :**	RUPESH

Extraction Method: [ ] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [√] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6849
Surrogate	1.0ML	100/150 PPM	SP6852
LOQ	0.5ML	N/A	SP6817
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2626
Baked Na2SO4	N/A	EP2629
Sand	N/A	E3951
Methylene Chloride	N/A	E3954
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.

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
8/4/25	RS (Ext lab)	Rc/svoc
12:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169095

Analytical Method: M3541-ASE Extraction-15

Concentration Date: 08/04/2025

Sample ID	Client Sample ID	Test	g/ mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169095BL	SBLK095	SVOC-TCL BNA -20	30.01	N/A	ritesh	RUPESH	1			U2-1
PB169095BS	SLCS095	SVOC-TCL BNA -20	30.03	N/A	ritesh	RUPESH	1			2
Q2734-01	VNJ-253	SVOC-TCL BNA -20	50.09	N/A	ritesh	RUPESH	1	E		3
Q2734-01MS	VNJ-253MS	SVOC-TCL BNA -20	50.05	N/A	ritesh	RUPESH	1	E		4
Q2734-01MSD	VNJ-253MSD	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	E		5
Q2736-01	PAD-073125	SVOC-PAH	50.02	N/A	ritesh	RUPESH	1	E		6
Q2740-01	OR-02-07312025	SVOC-TCL BNA -20	50.08	N/A	ritesh	RUPESH	1	E		U3-1
Q2741-01	TR-05-07312025	SVOC-TCL BNA -20	50.06	N/A	ritesh	RUPESH	1	E		2
Q2743-01	WC1	SVOC-TCL BNA -20	30.04	N/A	ritesh	RUPESH	1	E		3
Q2747-01	OU4-TS-GRILLO-OG2-073125	SVOCMS Group3	30.07	N/A	ritesh	RUPESH	1	E		4
Q2747-03	OU4-TS-GRILLO-OG3-073125	SVOCMS Group3	30.03	N/A	ritesh	RUPESH	1	E		5
Q2747-05	OU4-TS-GRILLO-OG4-073125	SVOCMS Group3	30.01	N/A	ritesh	RUPESH	1	E		6
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	SVOCMS Group3	30.04	N/A	ritesh	RUPESH	1	E		U6-1
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	SVOCMS Group3	30.09	N/A	ritesh	RUPESH	1	E		2
Q2753-01	289	SVOC-TCL BNA -20	50.03	N/A	ritesh	RUPESH	1	E		3

RS
8/4

* **Extracts relinguished on the same date as received.**

Q2747-SVOCMS Group3

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2747 **WorkList ID :** 191077 **Department :** Extraction **Date :** 08-04-2025 08:39:15

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2734-01	VNJ-253	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	07/31/2025	8270E
Q2736-01	PAD-073125	Solid	SVOC-PAH	Cool 4 deg C	PSEG03	D21	07/31/2025	8270E
Q2740-01	OR-02-07312025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D21	07/31/2025	8270E
Q2741-01	TR-05-07312025	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	D21	07/31/2025	8270E
Q2743-01	WC1	Solid	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	O13	07/31/2025	8270E
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O32	07/31/2025	8270E
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O32	07/31/2025	8270E
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O32	07/31/2025	8270E
Q2747-07	OU4-TS-GRILLO-TSCP01-073'	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O32	07/31/2025	8270E
Q2747-09	OU4-TS-GRILLO-TSCP02-073'	Solid	SVOCMS Group3	Cool 4 deg C	NOBI03	O32	07/31/2025	8270E
Q2753-01	289	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG01		08/01/2025	8270E

Date/Time 08/04/25 9:15
Raw Sample Received by: RJ (EXL-Web)
Raw Sample Relinquished by: SM

Date/Time 08/04/25 9:30
Raw Sample Received by: SM
Raw Sample Relinquished by: RJ (EXL-Web)

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

Prep Standard - Chemical Standard Summary

Order ID : Q2747

Test : SVOCMS Group3

Prepbatch ID : PB169095,

Sequence ID/Qc Batch ID: bf080525,BF080525,

Standard ID :
EP2626,EP2629,SP6757,SP6769,SP6770,SP6815,SP6817,SP6832,SP6833,SP6834,SP6835,SP6836,SP6837,SP6838,SP6839,SP6840,SP6849,SP6852,

Chemical ID :
10ul/1000ul sample,E3875,E3904,E3926,E3932,E3939,E3942,E3946,E3949,E3951,E3954,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,S12974,S12983,S12987,S12988,S12989,S12990,S12991,S12992,S13057,S13078,S13088,S13089,S13148,S13158,S13159,S13169,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	EP2626	07/15/2025	01/15/2026	RUPESHKUMAR SHAH	None	None	Riteshkumar Patel 07/15/2025

FROM 8000.00000ml of E3949 + 8000.00000ml of E3954 = Final Quantity: 16000.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2629	07/28/2025	01/28/2026	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 07/28/2025

FROM 4000.00000gram of E3875 = Final Quantity: 4000.000 gram

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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
1368	LOQ & LOD 5 PPM	SP6817	06/12/2025	09/30/2025	Jagrut Upadhyay	None	None	Rahul Chavli 07/21/2025

FROM 6.00000ml of E3939 + 2.00000ml of SP6815 = Final Quantity: 8.000 ml

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

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
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

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

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
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

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

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
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

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

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
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

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

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
171	8270/625 Spike Solution, 50/100 PPM	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

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	417203	01/28/2026	07/28/2025 / RUPESH	01/29/2025 / Rajesh	E3875

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-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-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

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H1462005	05/24/2027	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-9254-03 / Acetone, Ultra Resi (cs/4x4L)	24H2762008	04/18/2027	07/08/2025 / RITESHKUMAR	07/03/2025 / RUPESH	E3949

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-3382-05 / Sand, Purified (cs/4x2.5kg)	25A2756718	12/31/2028	07/09/2025 / RUPESH	04/28/2020 / RUPESH	E3951

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25B1862001	03/19/2026	07/14/2025 / RUPESH	06/11/2025 / RUPESH	E3954

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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	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

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

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	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

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

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0221014	11/30/2025	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

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0224359	02/01/2026	08/01/2025 / Rahul	06/02/2025 / anahy	S13169

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	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

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090-04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione
Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MÉXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE **RMB3375**)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER:	6399	RELEASE DATE:	MAY/23/2024
LOT NUMBER :	417203		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.8 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.2
Insoluble matter	Max. 0.01%	0.001 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.001 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.001 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.2 %
Retained on US Standard No. 60 sieve	Min. 94%	96.2 %
Through US Standard No. 60 sieve	Max. 5%	3.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RE-02-01, Ed. 3

E 3875

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

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

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

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

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor™ | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 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 %	<0.1 %
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 on 7/2/25

E3949

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

Certificate of Analysis

Material	BDH9274-2.5KG
Material Description	BDH SAND STDD OTTAWA W+I 2.5KG
Grade	NOT APPLICABLE
Batch	25A2756718
Reassay Date	12/31/2028
CAS Number	14808-60-7
Molecular Formula	SiO2
Molecular Mass	60.09
Date of Manufacture	12/05/2024
Storage	Room Temperature

Characteristics	Specifications	Measured Values
Appearance	Beige granules.	Beige granules.
Moisture	<= 0.1 %	0.1 %
Particle Size 30-40 mesh	>= 80 %	99 %
CUSTOMER PART # BDH9274-2.5KG		

Received on 7/9/25.

E3951

Internal ID #: 793

Signature	Additional Information
We certify that this batch conforms to the specifications listed above.	Analysis may have been rounded to significant digits in specification limits
This document has been electronically produced and is valid without a signature.	Product meets analytical specifications of the grades listed.
Leona Edwardson, Quality Control Sr. Manager - Solon VWR Chemicals, LLC. 28600 Fountain Parkway, Solon OH 44139 USA	

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor™ | J.T.Baker

Material No.: 9266-A4
Batch No.: 25B1862001
Manufactured Date: 2024-12-18
Expiration Date:2026-03-19
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	<1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	2
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

RS 7/14/25

E3954

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

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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

511484 → 511493 } Y.P. 08/10/25

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.

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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

S11749 ↓ S11794 } RC 11/30/23

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

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.)

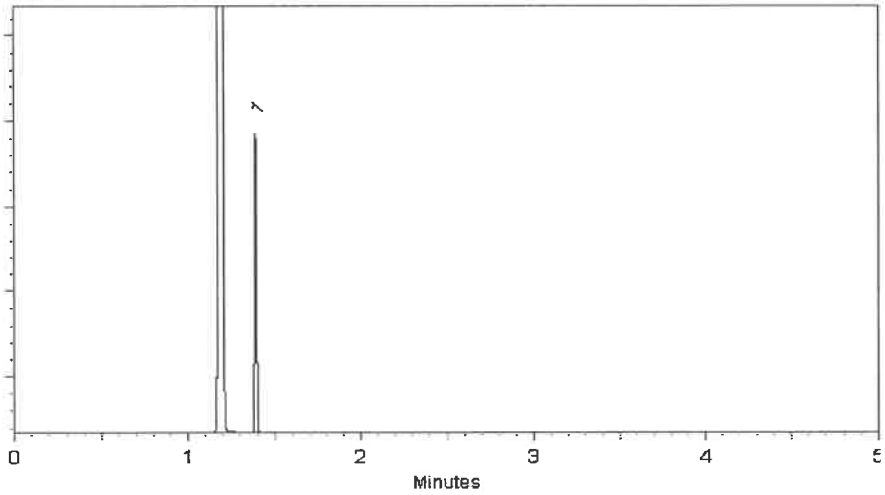
Inj. Temp:
250°C

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 ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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.)

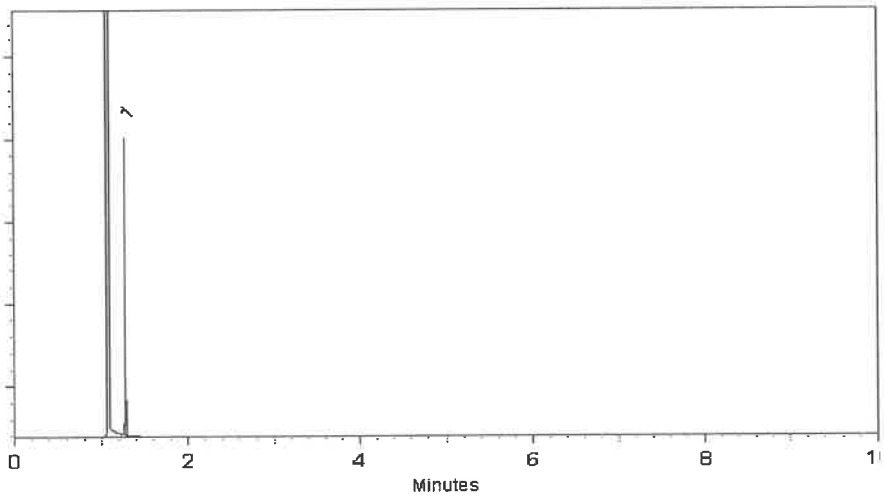
Inj. Temp:
250°C

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

512112 ↓ 512116 } 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

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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.)

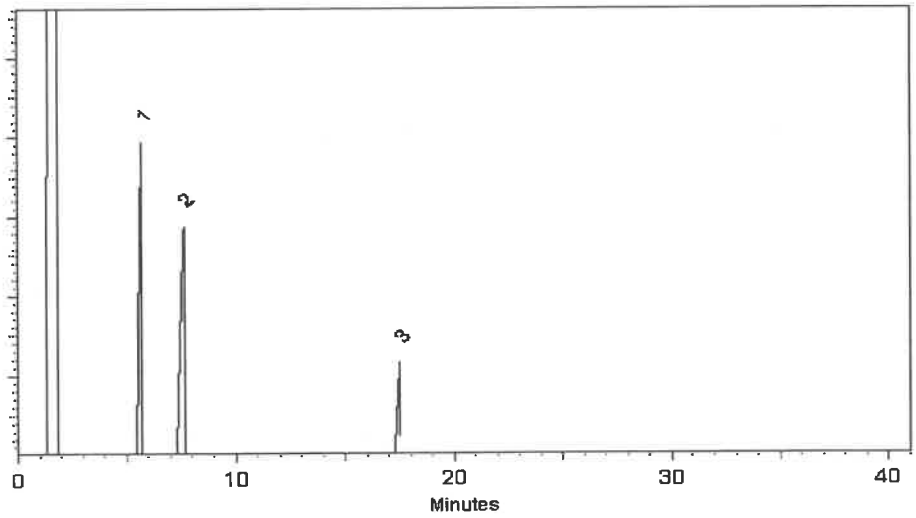
Inj. Temp:
250°C

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

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

S12207 ↓ S12221 RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2029 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Nitrobenzene-d5	4165-60-0	I-25158	99%	5,029.3 µg/mL	+/- 226.5204
2	2-Fluorobiphenyl	321-60-8	00021384	99%	5,030.9 µg/mL	+/- 226.5936
3	p-Terphenyl-d14	1718-51-0	PR-32599	99%	5,026.4 µg/mL	+/- 226.3909

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

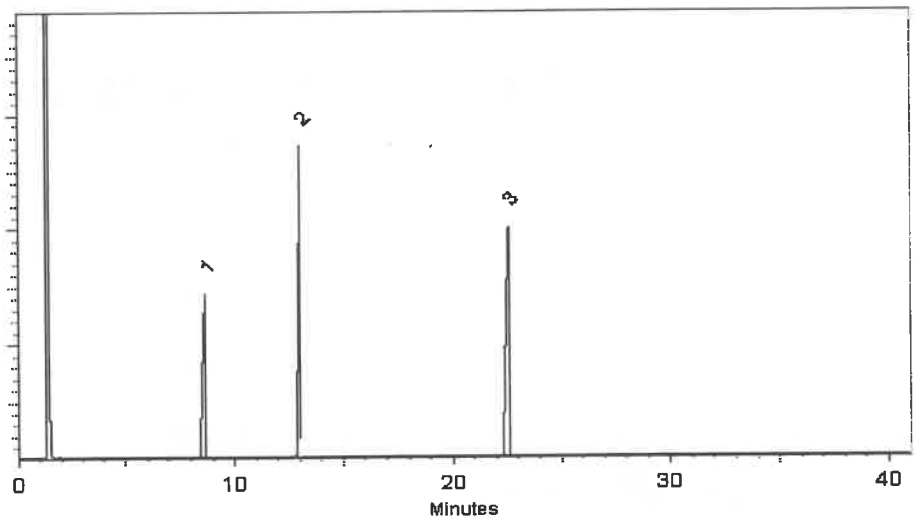
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Jess Hoy - Operations Tech I

Date Mixed: 09-Jan-2024 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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

*Not a certified value

S12270 ↓ S12274 } RC 05/24/24

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 gravimetriclly.

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 gravimetriclly.

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 gravimetriclly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 RC/ 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** 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

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 } RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

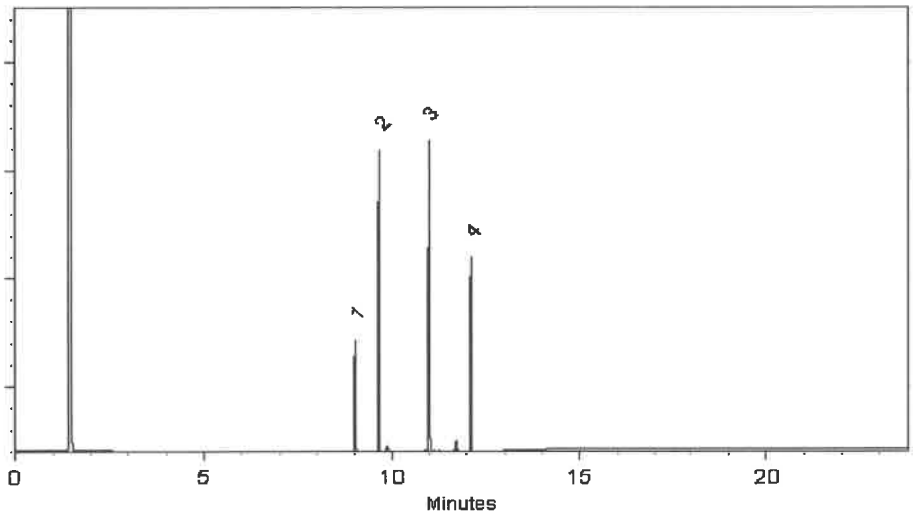
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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.:** 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

ilac-MRA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA 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

S12963 ↓ S12992 AC 12/17/24

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555871 **Lot No.:** A0226283

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2028 **Storage:** 10°C or colder

Ship: Ambient

S13158 ↓ S13167 } RC/ 6/4/25

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	4-Nitrophenol	100-02-7	20241120-1-AN	99%	25,192.0 µg/mL	+/- 783.0517

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Morgan Craighead - Mix Technician

Date Mixed: 02-Jun-2025 **Balance:** C322230531

REVIEWED By Dillon Murphy at 11:31 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0224359

S13168 ↓ S13197 AC 6/9/25

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 : 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

ilac-MRA
ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA
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. : 555868 **Lot No.:** A0226493

S13198 ↓ S13207 } AC 6/11/25

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

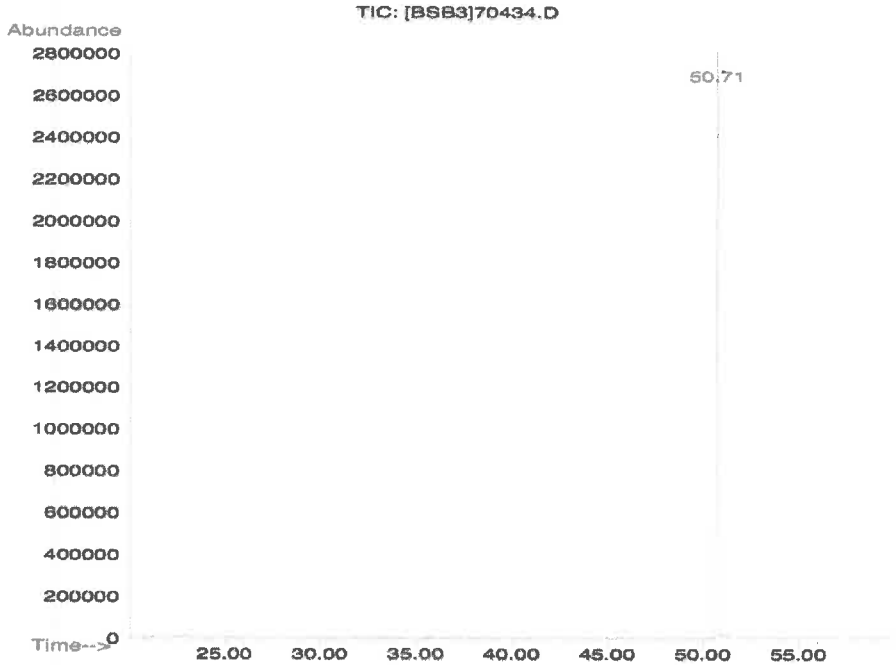
Solvent(s): **Lot#**
Methylene chloride C21F09CAS0000DCM

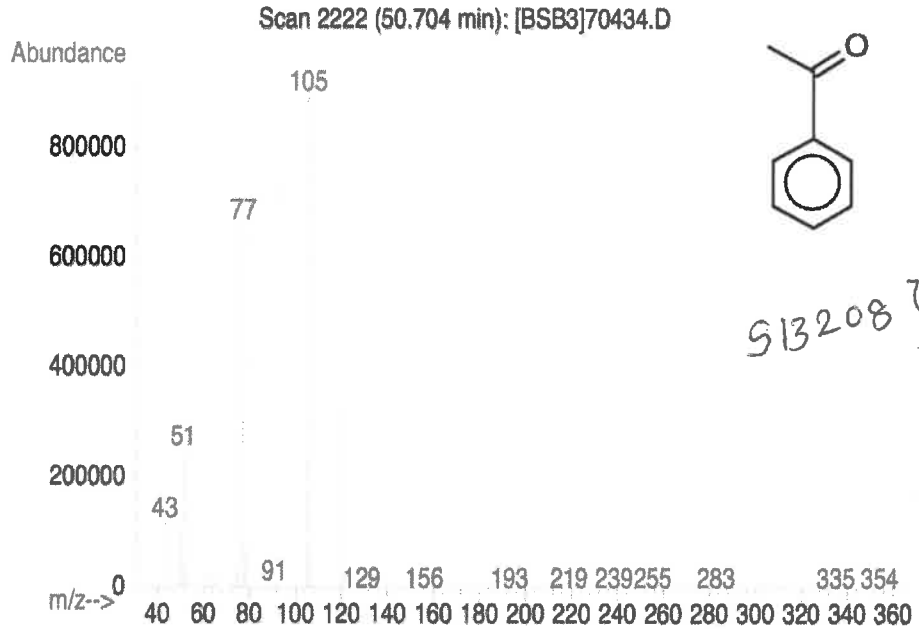
Formulated By: Benson Chan 121622 DATE
Reviewed By: Pedro L. Rentas 121622 DATE

Expiration Date: 121627
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB 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.

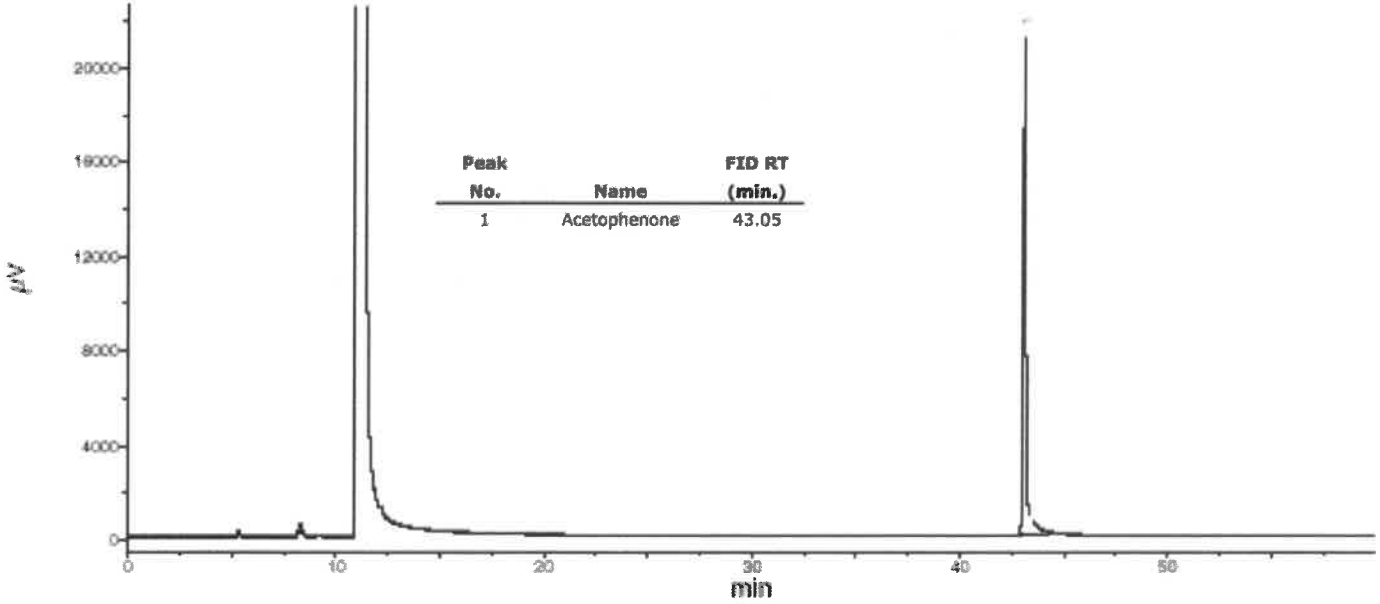




513208 } RC/ 6/19/25

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments
GC13-M1 Analysis by Melissa Stonier
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak No.	Name	FID RT (min.)
1	Acetophenone	43.05

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91126
Lot Number: 060625
Description: Benzoic acid

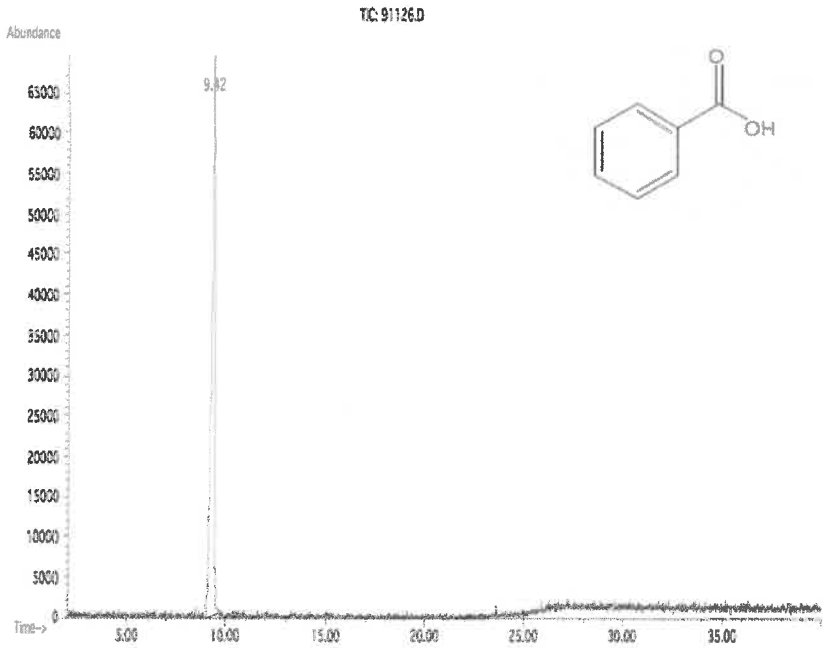
Solvent(s): Methylene chloride **Lot#** 23343

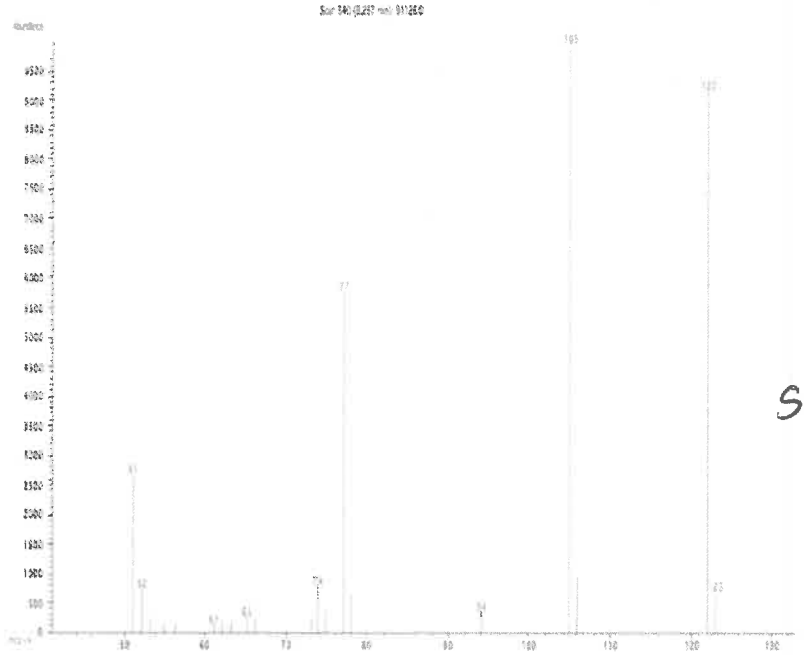
Expiration Date: 060630
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB 5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.031 Flask Uncertainty

Formulated By:	Anthony Mahoney	060625 DATE
Reviewed By:	Pedro L. Rentas	060625 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Benzoic acid	34	11930AW	2000.0	99	0.2	0.20211	0.20227	2001.6	8.2	65-85-0	N/A	orl-rat 1700mg/kg

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Melissa Stonier.





S13209} 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

Weight(s) shown below were combined and diluted to (mL): 25.0

5E-05 Balance Uncertainty
0.004 Flask Uncertainty

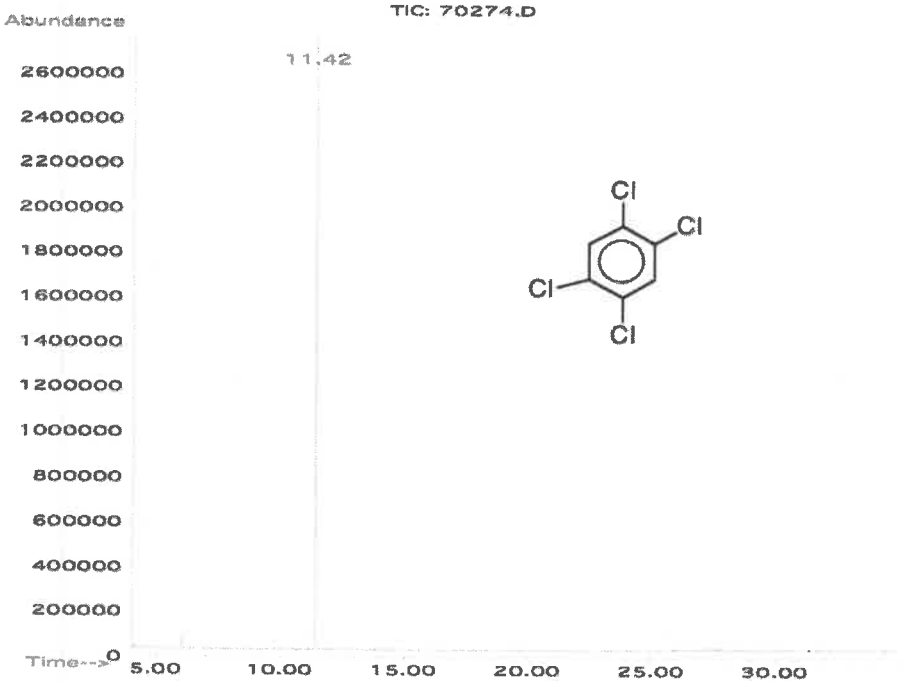
CAUTION: Sonicate Before Use

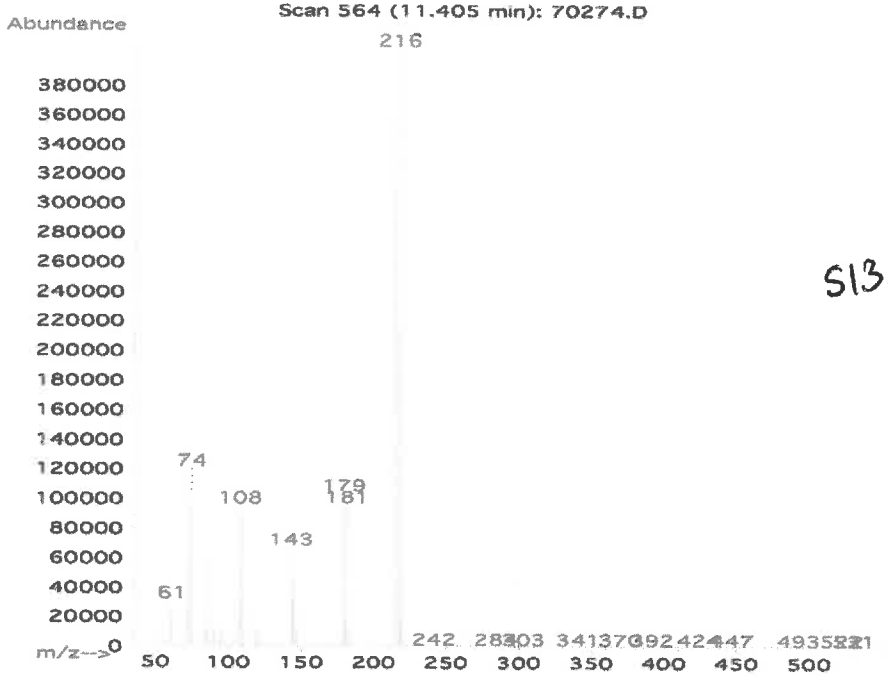
Formulated By: Lawrence Barry	092324 DATE
Reviewed By: Pedro L. Rentas	092324 DATE

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)	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

SDS Information (Solvent Safety Info. On Attached pg.)

Method GC8MSD-3.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (9min.), Rate = 10°C/min., Injector B= 200°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by: Gina McLane.





S132113 RC
6/19/25.

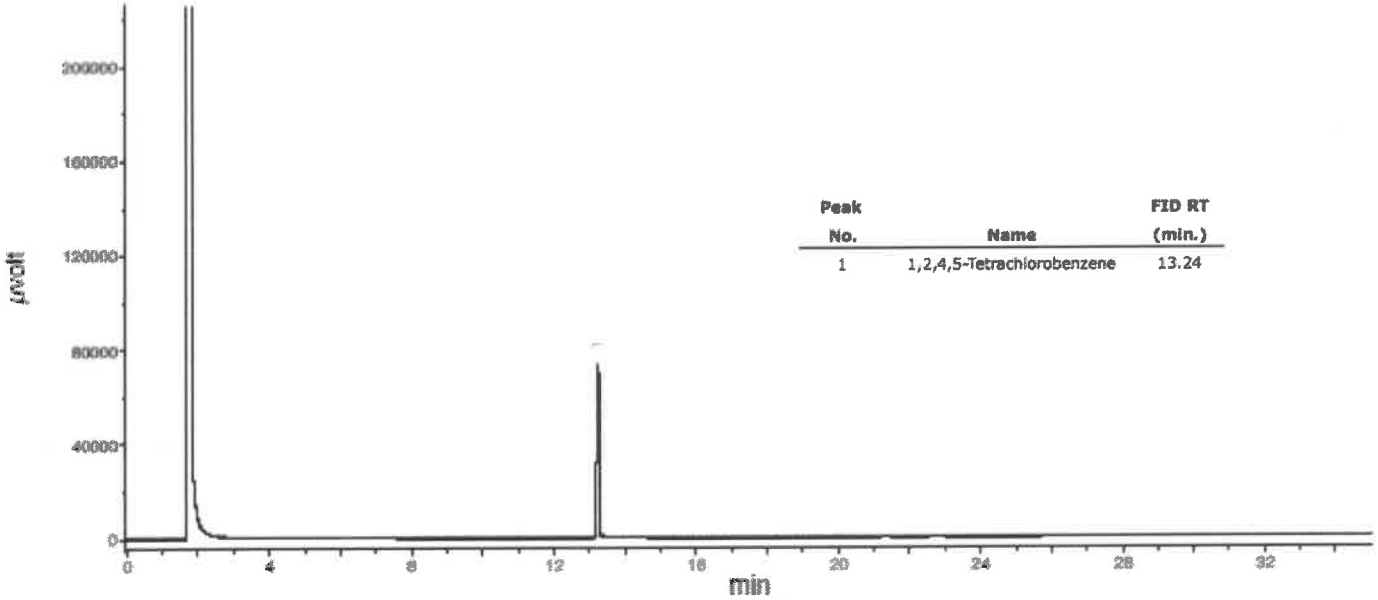
- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 31, "P34571 L092324 [5000µg/mL in MeOH]"

Run Length: 35.00 min, 20999 points at 10 points/second.
Created: Fri, Jan 3, 2025 at 11:24:40 AM.
Sampled: Sequence "010225-GC4M1", Method "GC4-M1".
Analyzed using Method "GC4-M1".

Comments

GC4-M1 Analysis by Melissa Stonier
Column ID SPB5 L#60062-01A : 30 meter x 0.53mm x 1.5um Film Thickness
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL, Hydrogen (detector) = 30 mL, Air (detector) =360 mL
Oven Temp 1 = 50°C (1 min), Rate = 10°C/min, Oven Temp 2 = 300°C (9 min), Total Run Time = 35 Minutes.
Injector Temp = 200°C, FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard Injection = 0.5 uL, Range = 7



Peak No.	Name	FID RT (min.)
1	1,2,4,5-Tetrachlorobenzene	13.24

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ilac-MRA
ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA
ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0201702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

513148 ↓ 513157 RC 11/13/23

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Hexachlorocyclopentadiene	77-47-4	099063P13G	99%	25,244.0 µg/mL	+/- 450.6896

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 05-Sep-2023 **Balance:** B707717271

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

SHIPPING DOCUMENTS

Q 2747

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

Page __1__ of __1__

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:	S. Ryther

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	RCP VOCs (M/O)	% Solids (I)	PAHs (I)	Herbicides (I)	Pesticides (I)	PCBs (I)	Metals ICP + Hg - 6010 (I)	Cyanide (I)	SPLP RCP Metals - 6020 (I)
	OU4-TS-GRILLO-OG2-073125	7/31/25	10:50	C	SO		3	2	1			X	X	X	X	X	X		X	X
	OU4-TS-GRILLO-OG3-073125	7/31/25	10:55	C	SO		3	2	1			X	X	X	X	X	X		X	X
	OU4-TS-GRILLO-OG4-073125	7/31/25	11:00	C	SO		3	2	1			X	X	X	X	X	X		X	X
	OU4-TS-GRILLO-TSCP01-073125	7/31/25	11:05	C	SO		3	2	1			X	X	X	X	X	X		X	X
	OU4-TS-GRILLO-TSCP02-073125	7/31/25	11:10	C	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:
[signature]	07/31/25 13:00
Received by: (signature)	Date/Time:
Relinquished by: (signature) FedEx	Date/Time: 8-1-25 1005
Received by: (signature)	Date/Time: 8-1-25 1005
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: 2.2°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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2747 NOBI03
Client Name : Nobis Group
Client Contact : Adam Roy
Invoice Name : Nobis Group
Invoice Contact : Adam Roy

Order Date : 8/1/2025 10:40:00 AM
Project Name : Raymark Superfund Site
Receive DateTime : 8/1/2025 10:05:00 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
Q2747-01	OU4-TS-GRILLO-OG2-073125	Solid	07/31/2025	10:50						
					VOCMS Group3		8260D	5 Bus. Days		
Q2747-03	OU4-TS-GRILLO-OG3-073125	Solid	07/31/2025	10:55						
					VOCMS Group3		8260D	5 Bus. Days		
Q2747-05	OU4-TS-GRILLO-OG4-073125	Solid	07/31/2025	11:00						
					VOCMS Group3		8260D	5 Bus. Days		
Q2747-07	OU4-TS-GRILLO-TSCP01-073125	Solid	07/31/2025	11:05						
					VOCMS Group3		8260D	5 Bus. Days		
Q2747-09	OU4-TS-GRILLO-TSCP02-073125	Solid	07/31/2025	11:10						
					VOCMS Group3		8260D	5 Bus. Days		

Relinquished By :
Date / Time : 8/1/25 1100

Received By : Sam
Date / Time : 08/01/25 11:00 Rg # 6 FZ 2

Storage Area : VOA Refridgerator Room

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

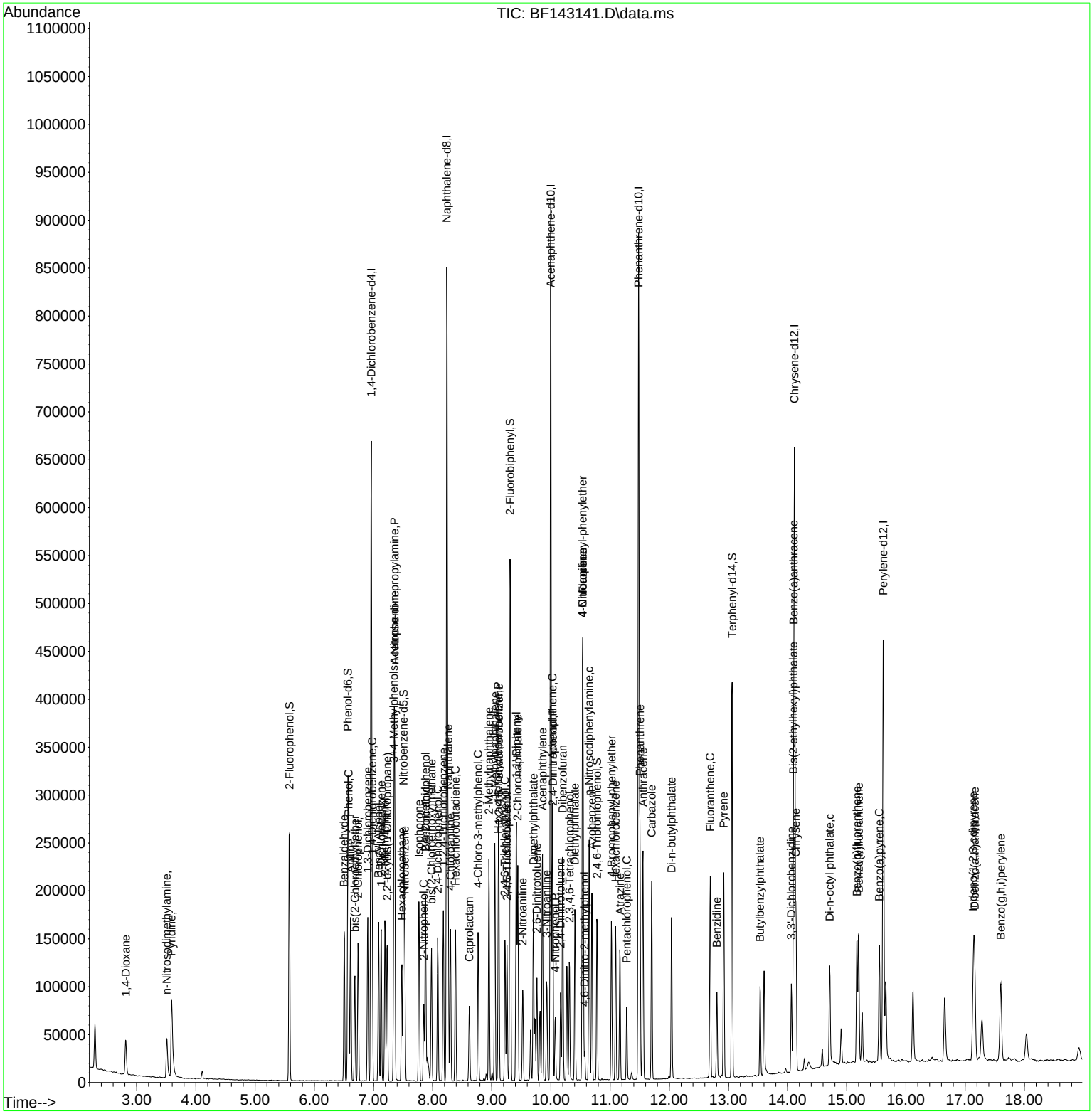
(#) = qualifier out of range (m) = manual integration (+) = signals summed

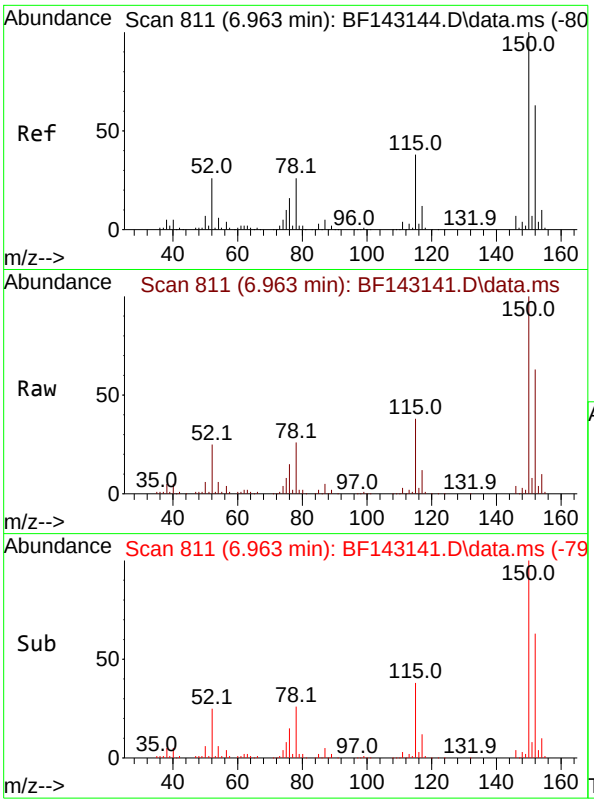
Quantitation Report   (Not Reviewed)

```
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

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



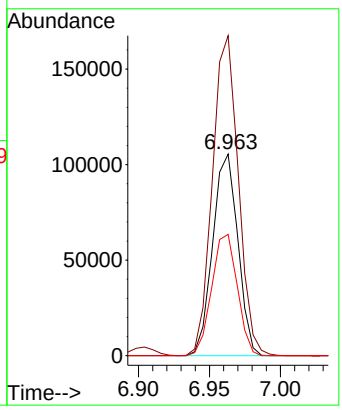


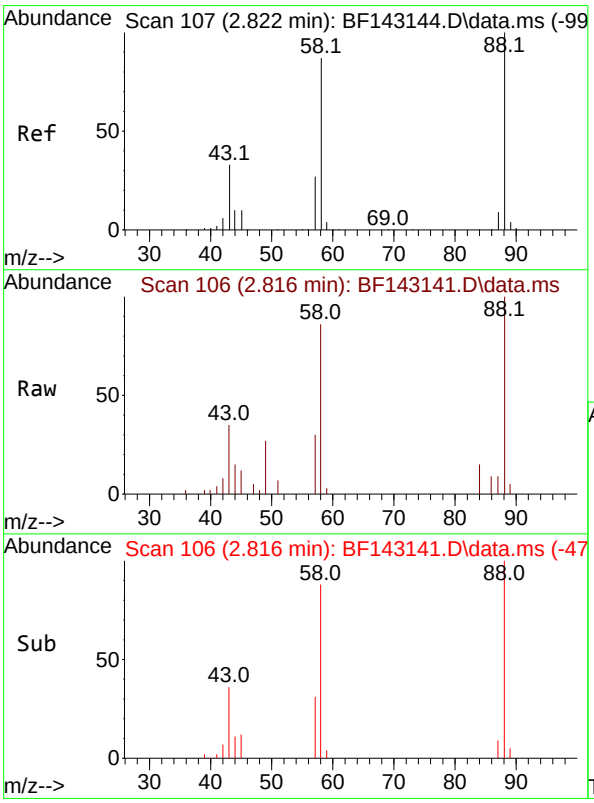
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

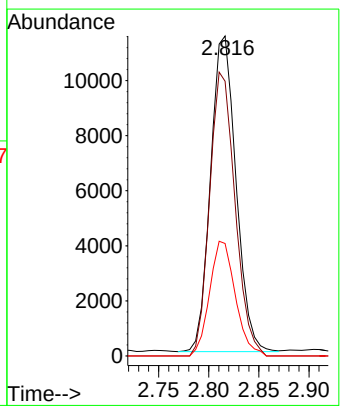


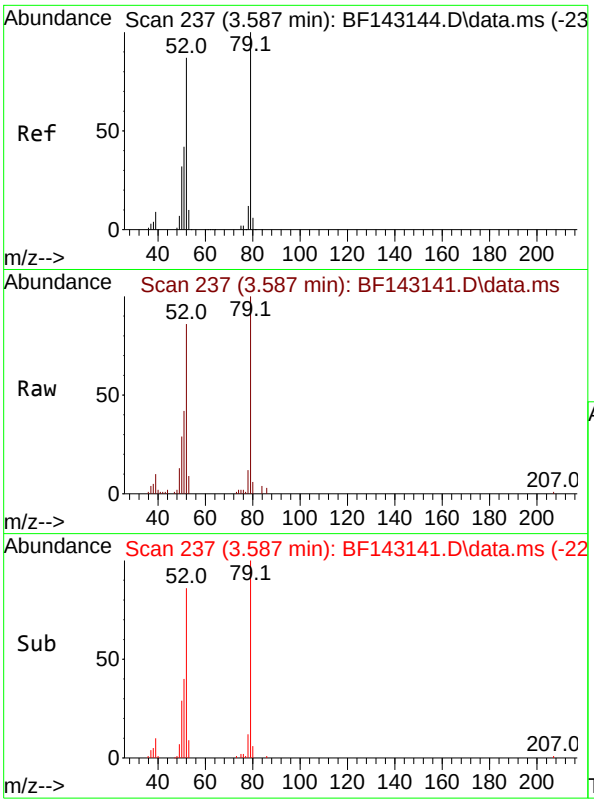


#2
1,4-Dioxane
Concen: 5.201 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



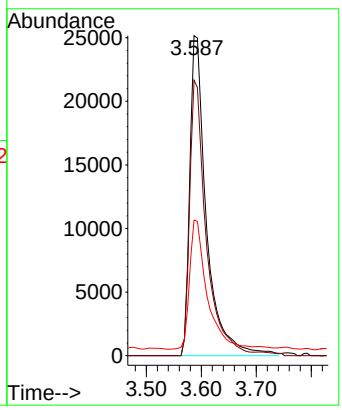


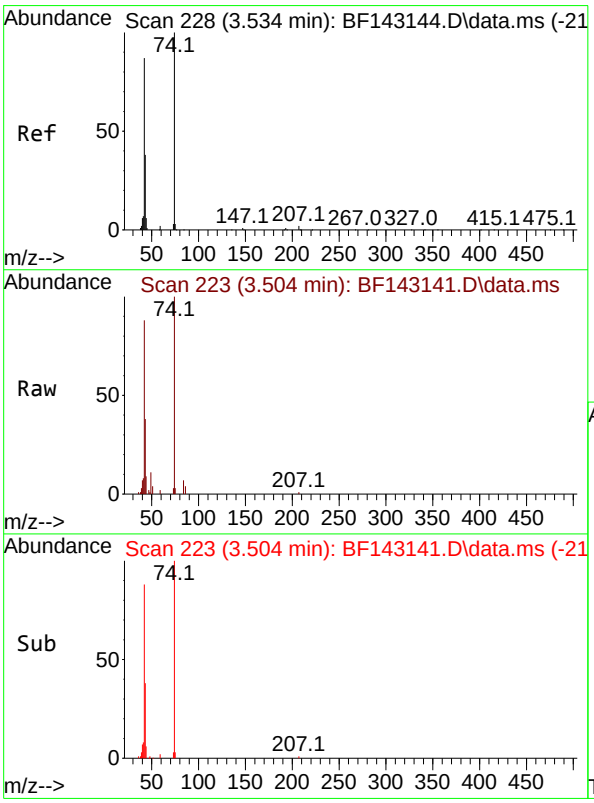
#3
Pyridine
Concen: 5.254 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

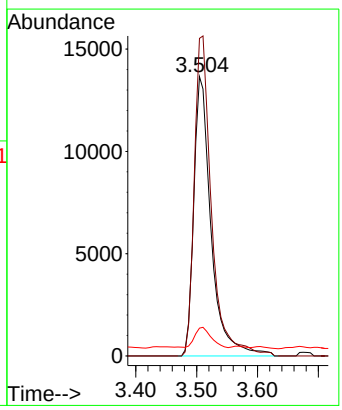


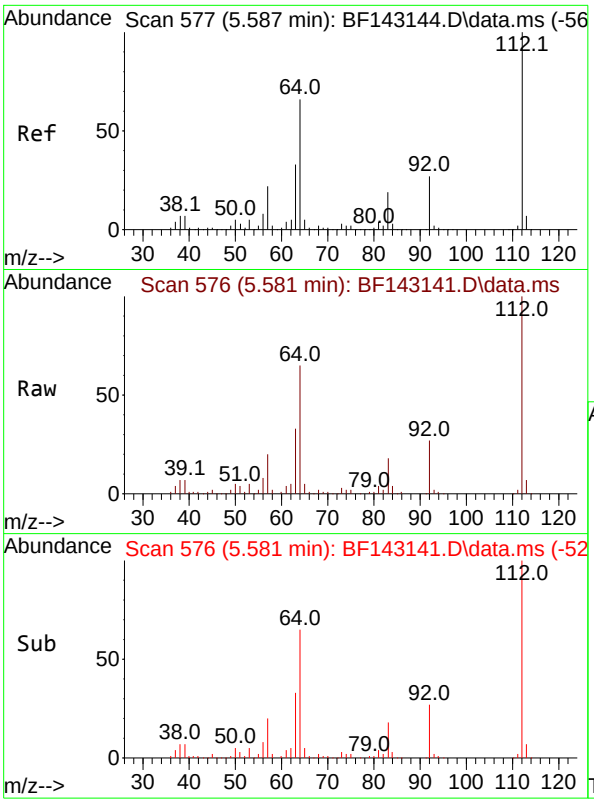


#4
n-Nitrosodimethylamine
Concen: 5.176 ng
RT: 3.504 min Scan# 223
Delta R.T. -0.029 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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#



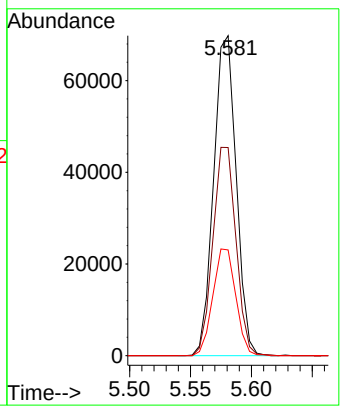


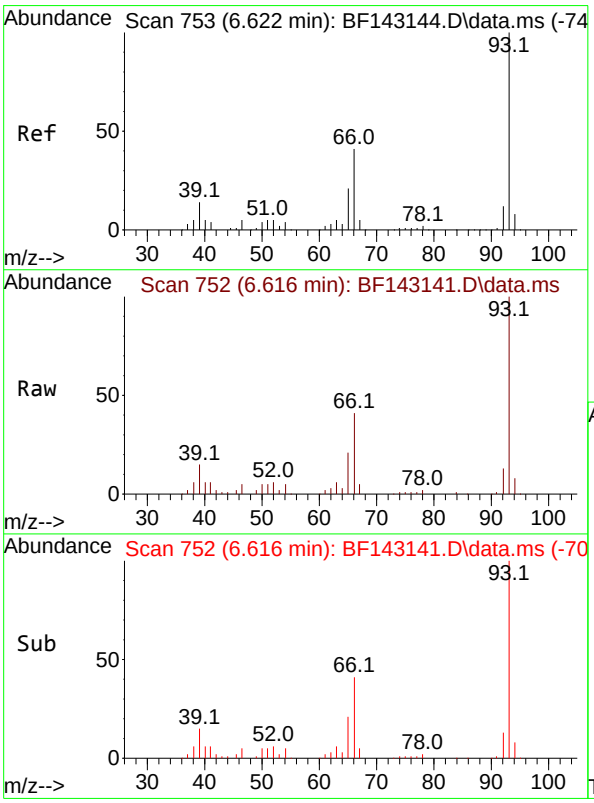
#5
2-Fluorophenol
Concen: 10.955 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

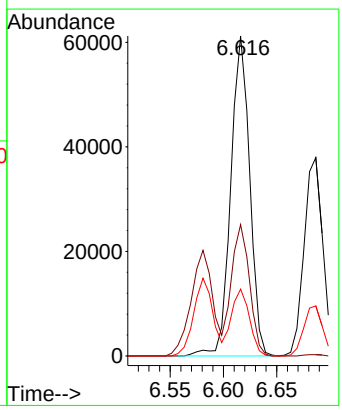


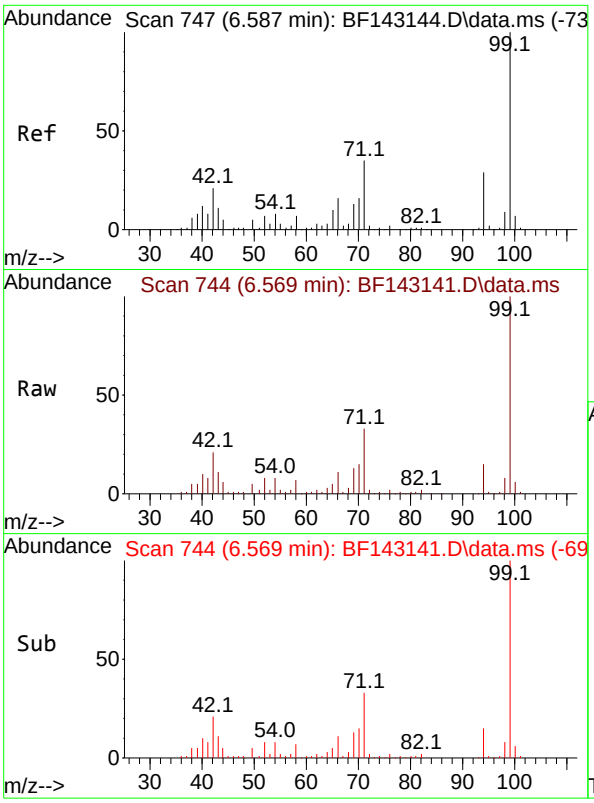


#6
Aniline
Concen: 5.263 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



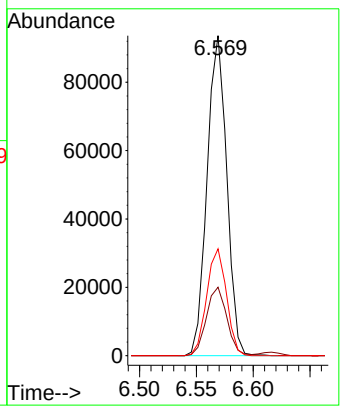


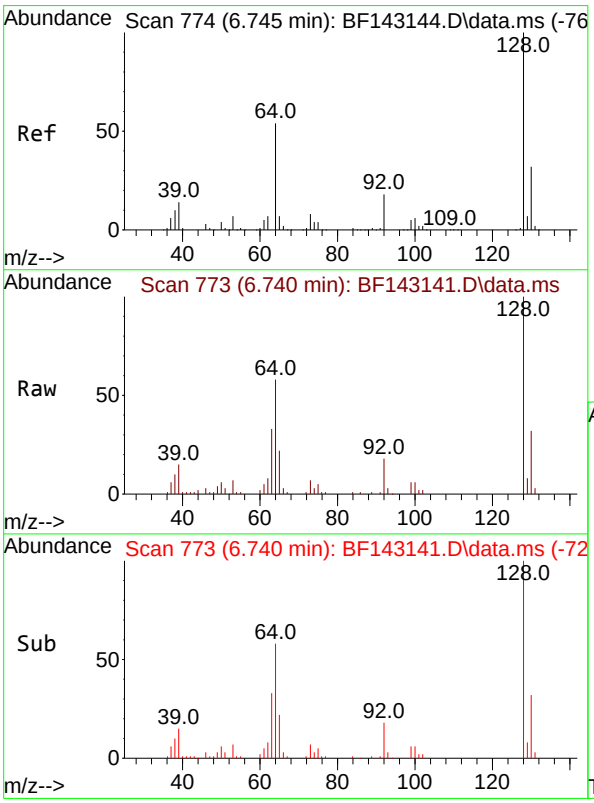
#7
Phenol-d6
Concen: 10.892 ng
RT: 6.569 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

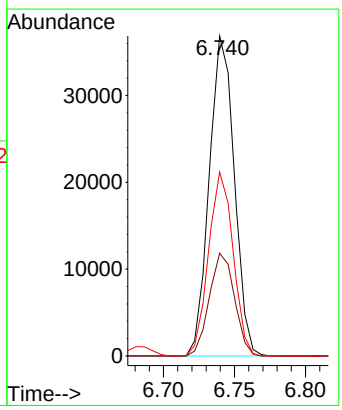


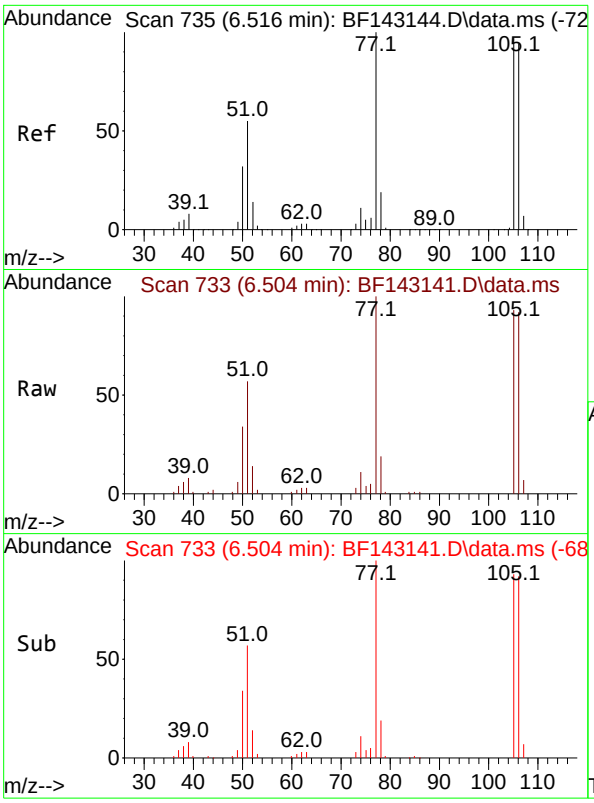


#8
2-Chlorophenol
Concen: 5.252 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



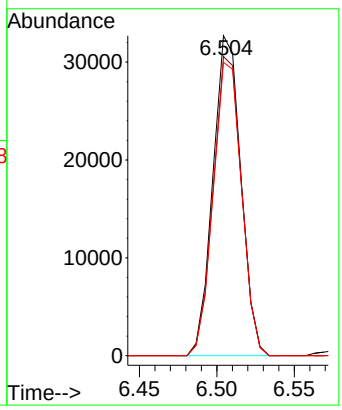


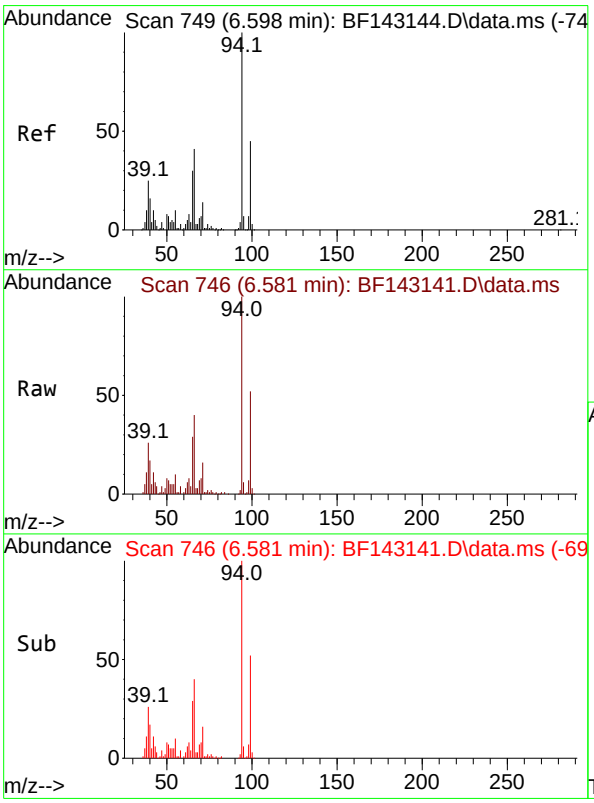
#9
Benzaldehyde
Concen: 5.294 ng
RT: 6.504 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

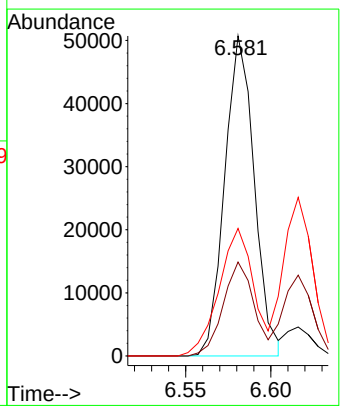


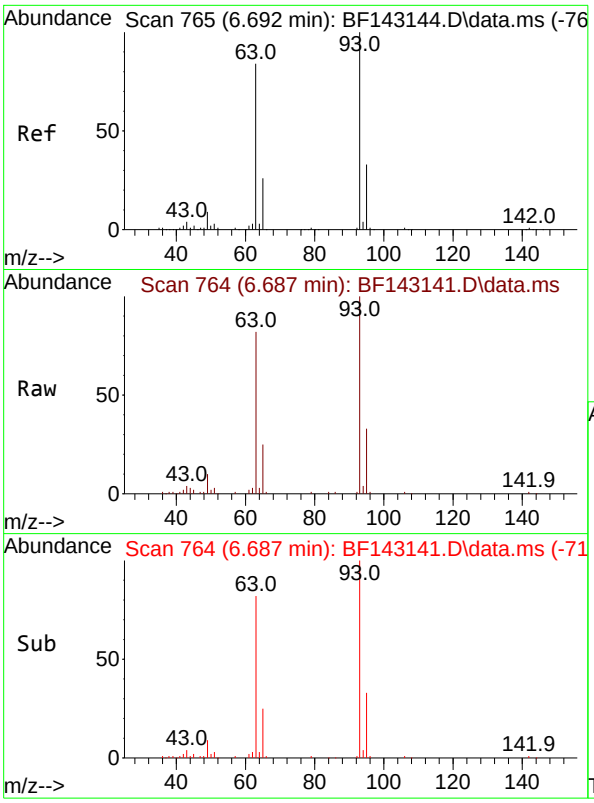


#10
Phenol
Concen: 5.431 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



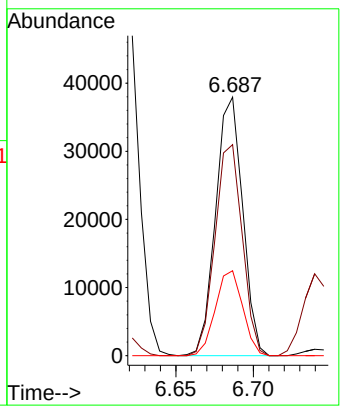


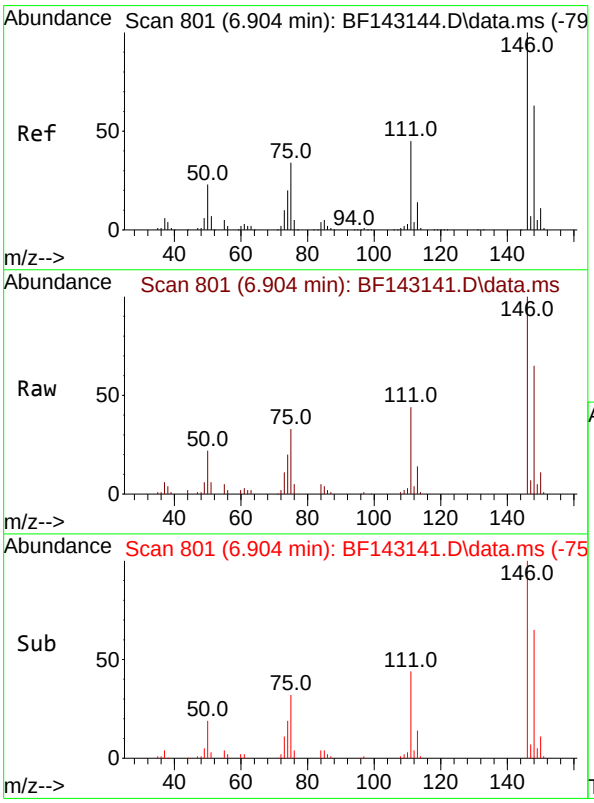
#11
bis(2-Chloroethyl)ether
Concen: 5.345 ng
RT: 6.687 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

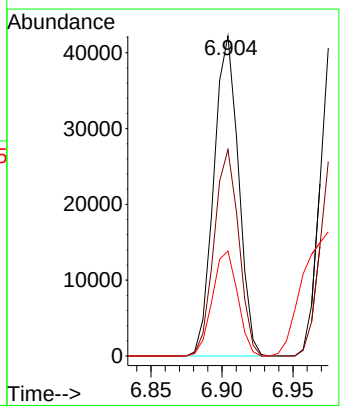


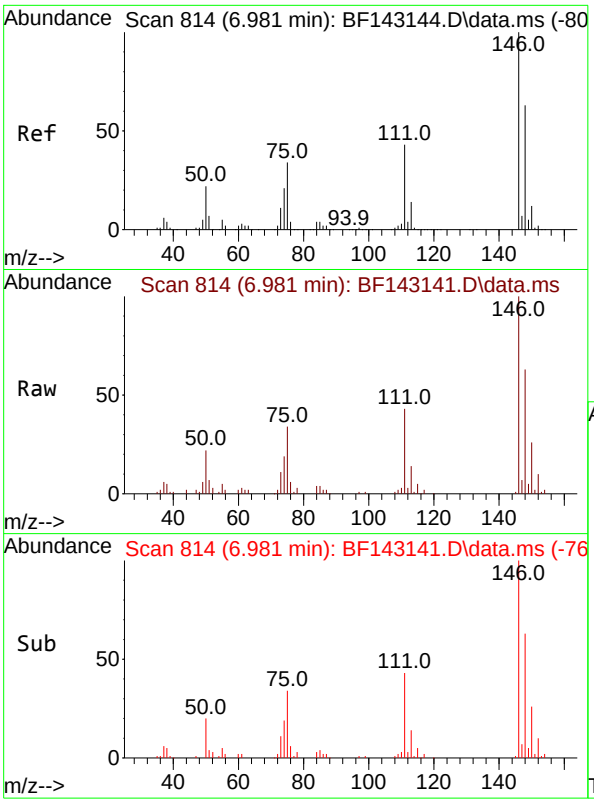


#12
1,3-Dichlorobenzene
Concen: 5.460 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



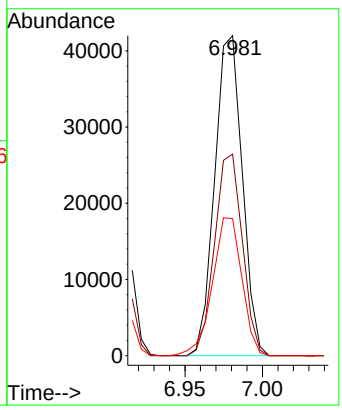


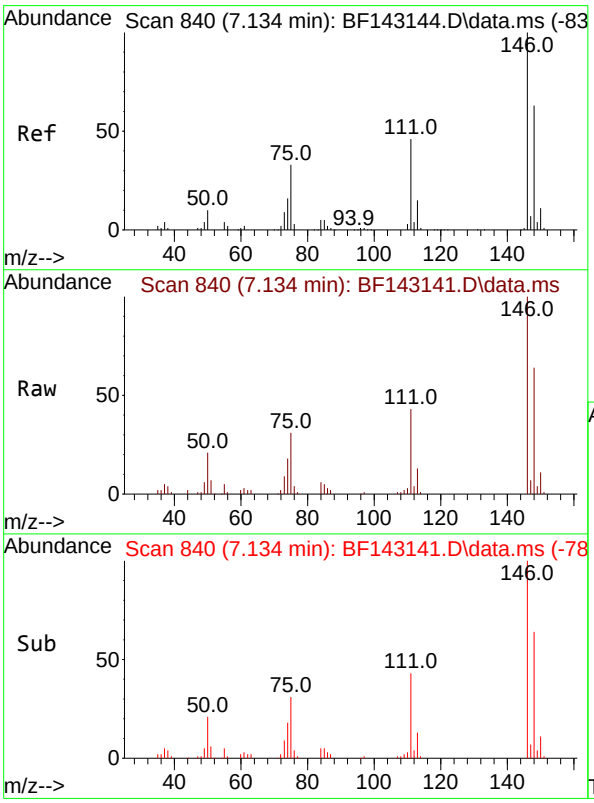
#13
1,4-Dichlorobenzene
Concen: 5.526 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

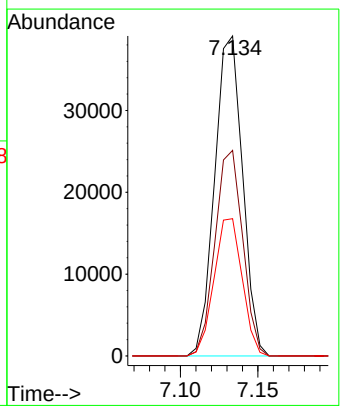


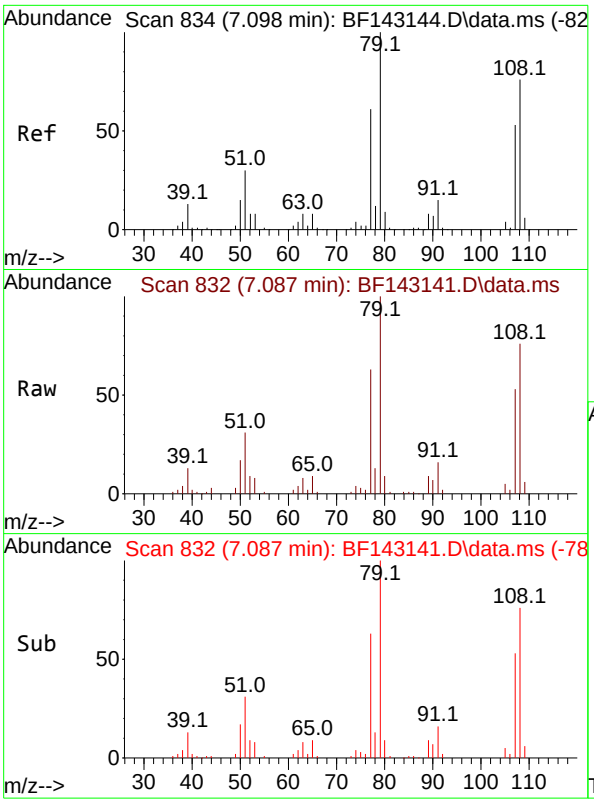


#14
1,2-Dichlorobenzene
Concen: 5.474 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



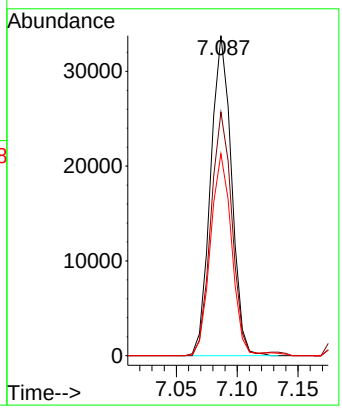


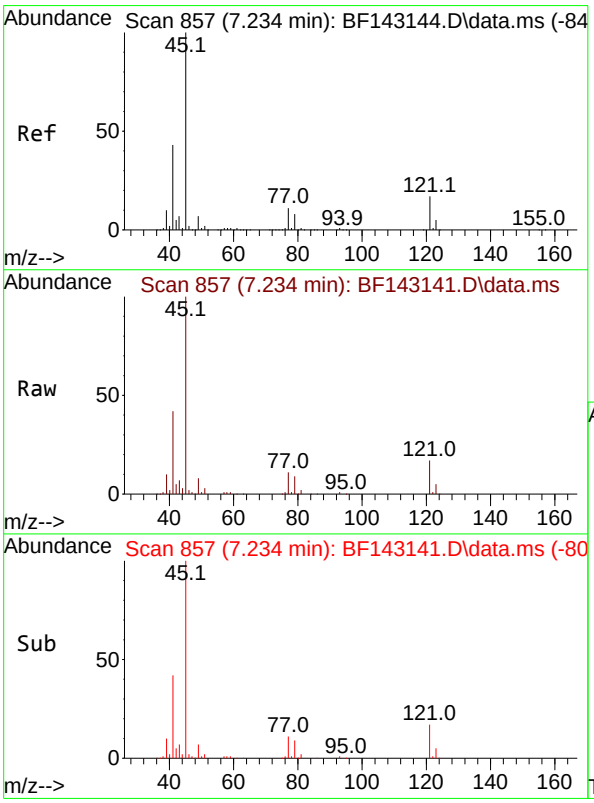
#15
Benzyl Alcohol
Concen: 5.106 ng
RT: 7.087 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

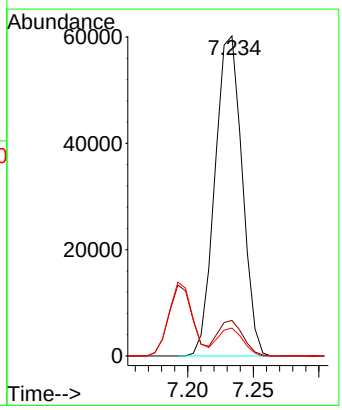


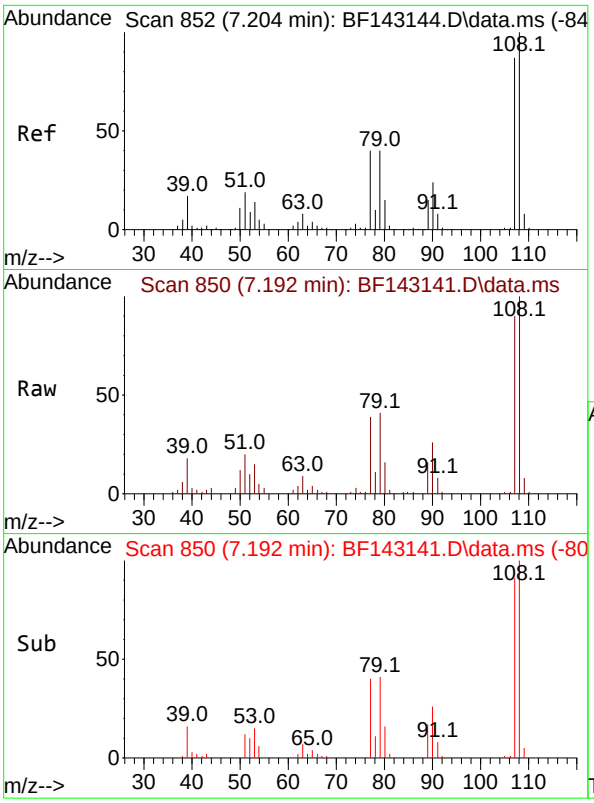


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.423 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



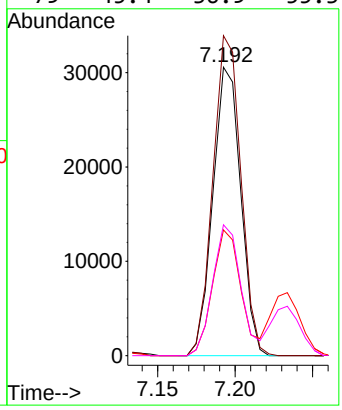


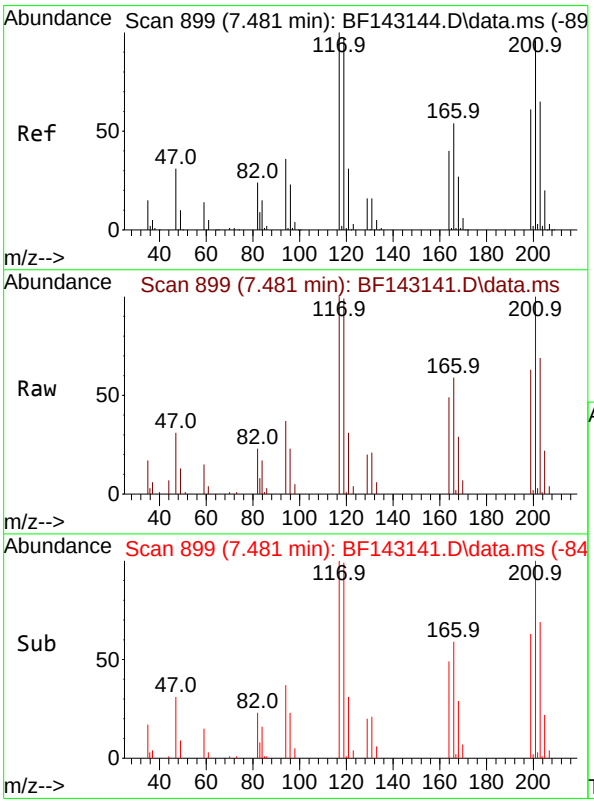
#17
2-Methylphenol
Concen: 5.289 ng
RT: 7.192 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

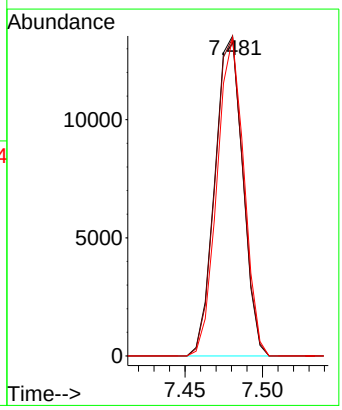


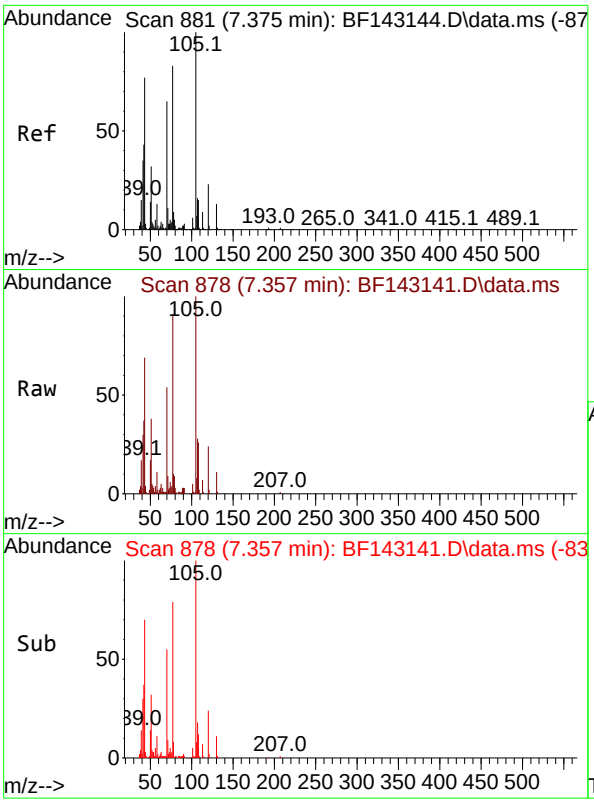


#18
Hexachloroethane
Concen: 5.198 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



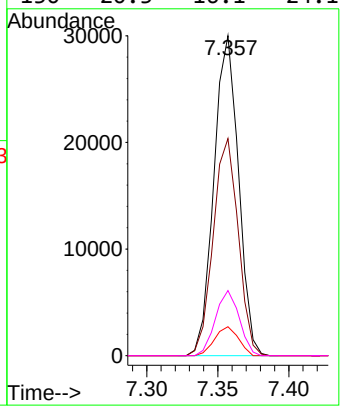


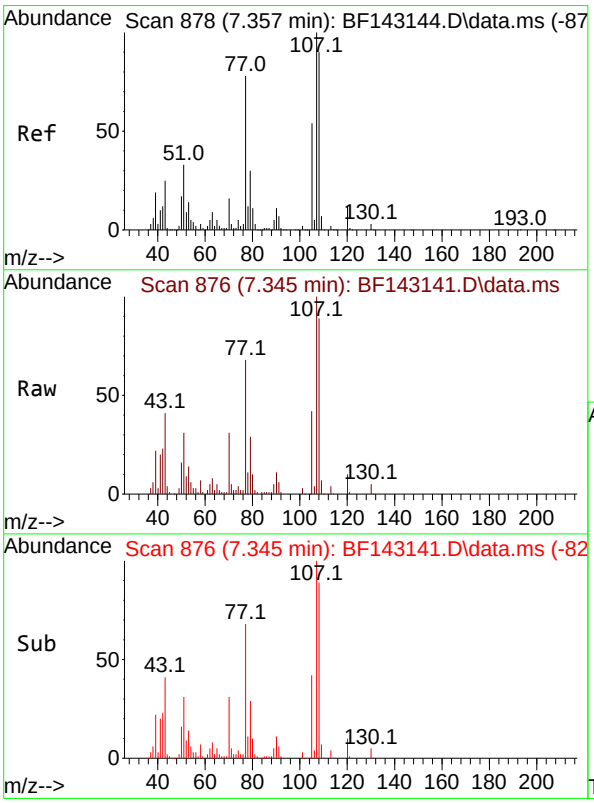
#19
n-Nitroso-di-n-propylamine
Concen: 5.445 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

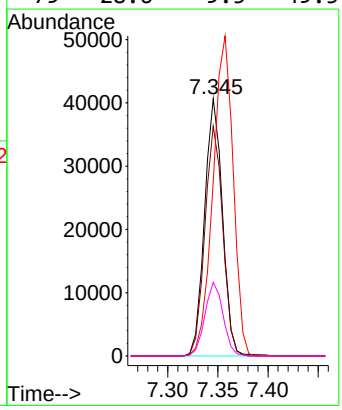


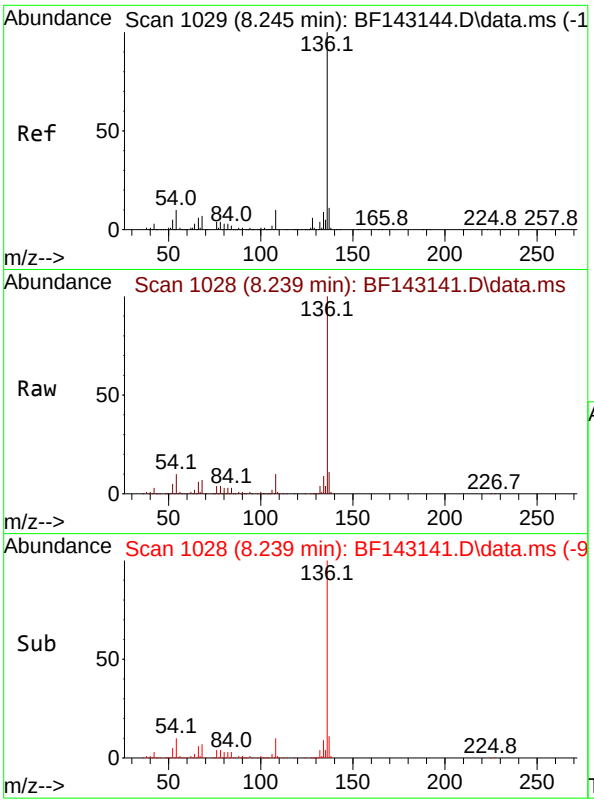


#20
3+4-Methylphenols
Concen: 5.763 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



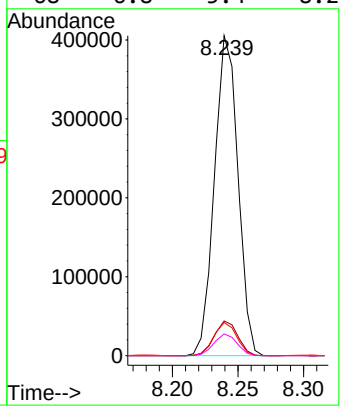


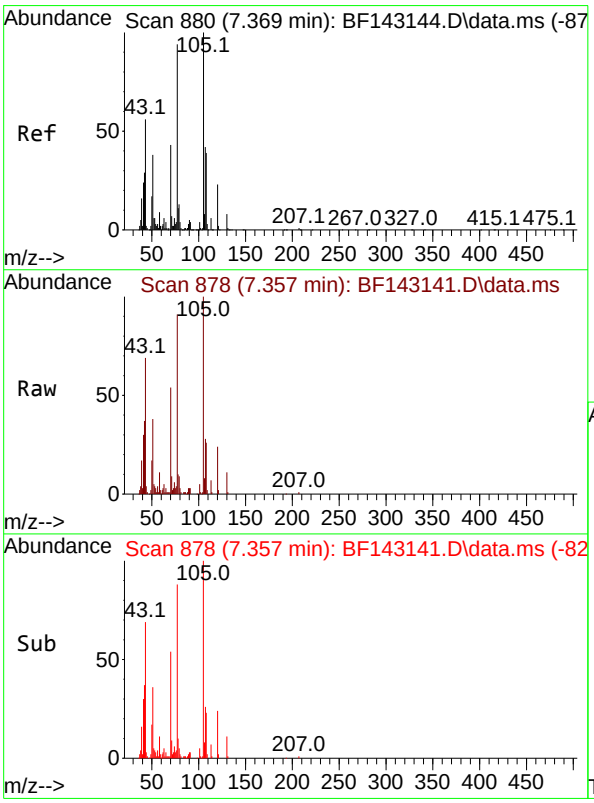
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

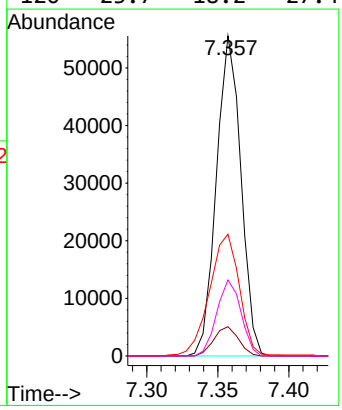


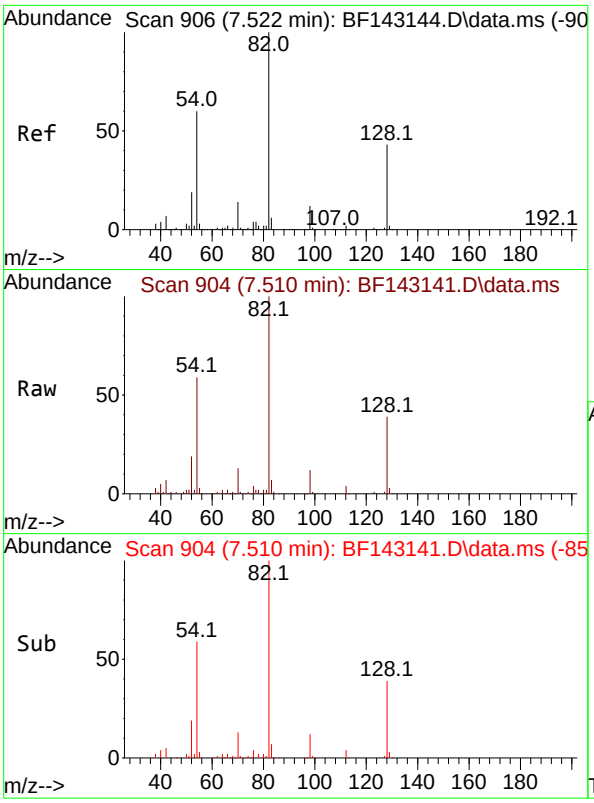


#22
Acetophenone
Concen: 5.569 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



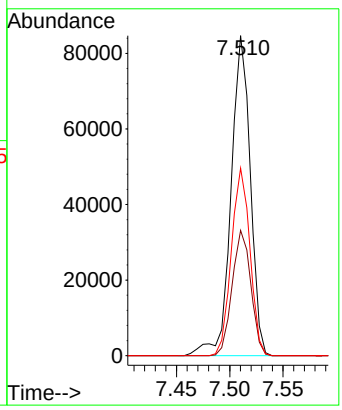


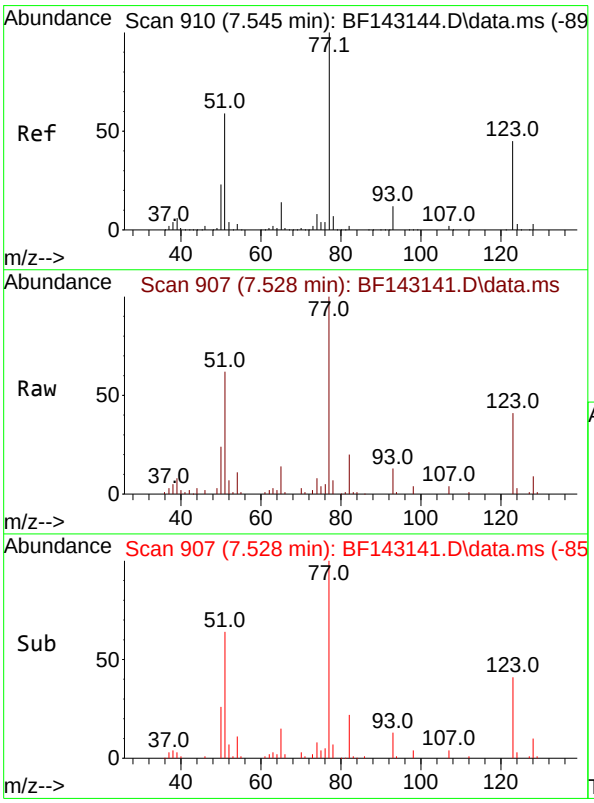
#23
Nitrobenzene-d5
Concen: 10.533 ng
RT: 7.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

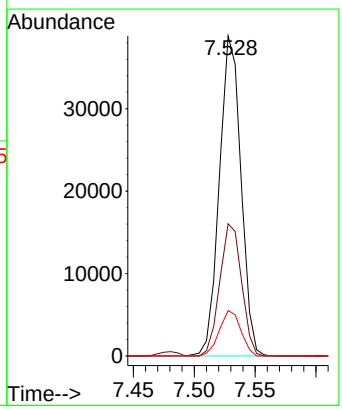


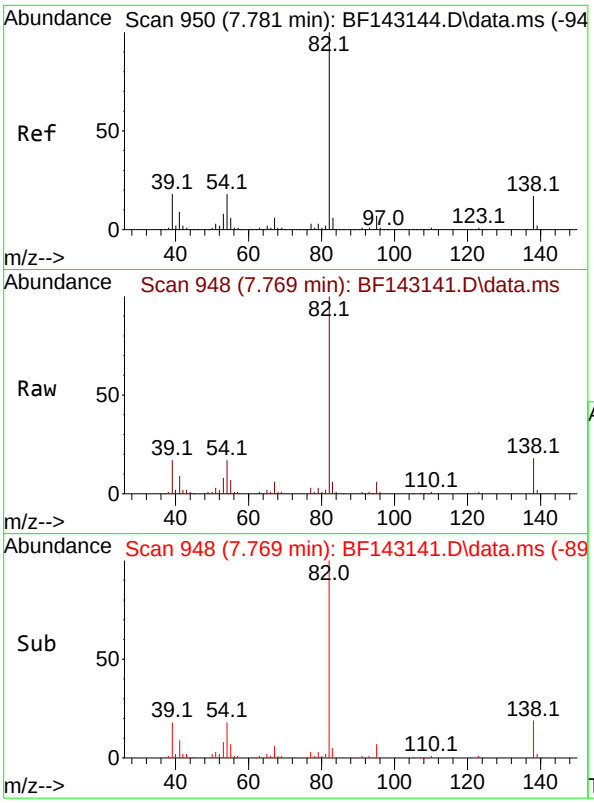


#24
Nitrobenzene
Concen: 5.074 ng
RT: 7.528 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



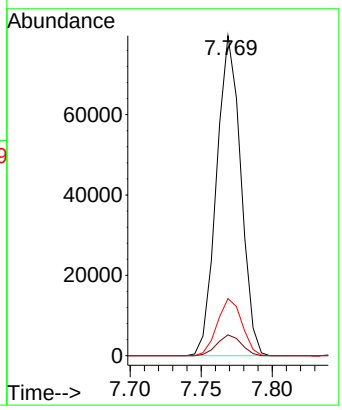


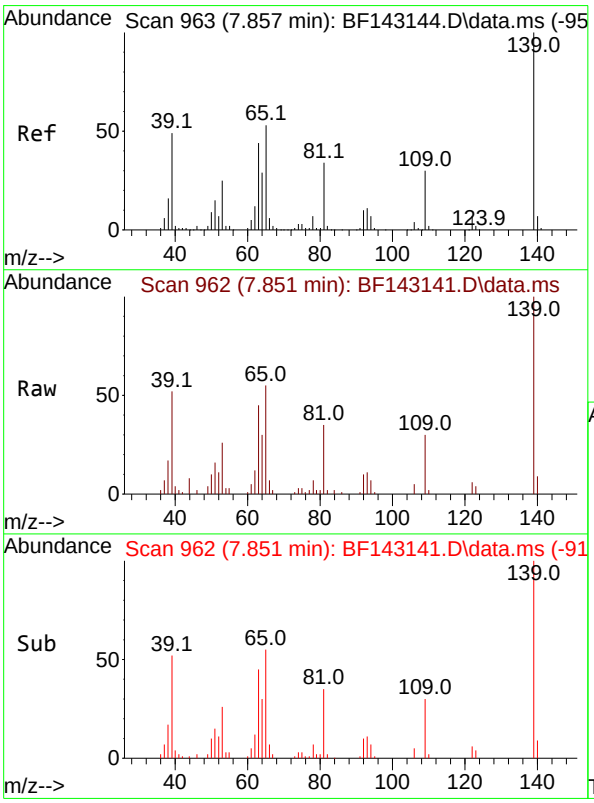
#25
Isophorone
Concen: 5.279 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

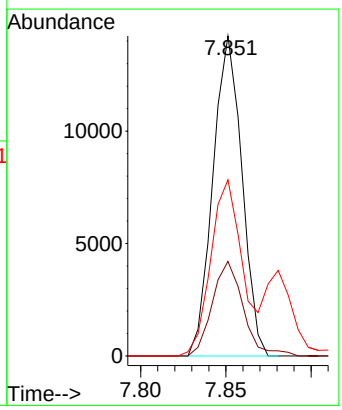


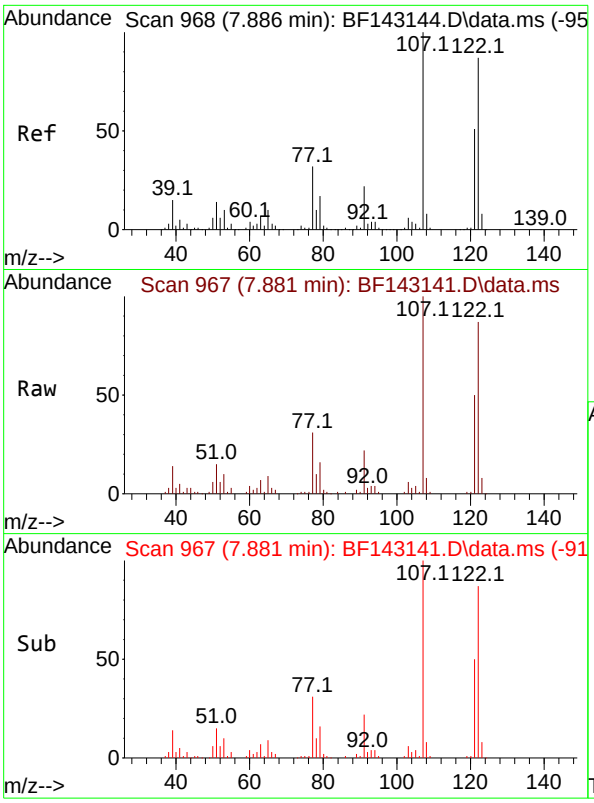


#26
2-Nitrophenol
Concen: 4.107 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



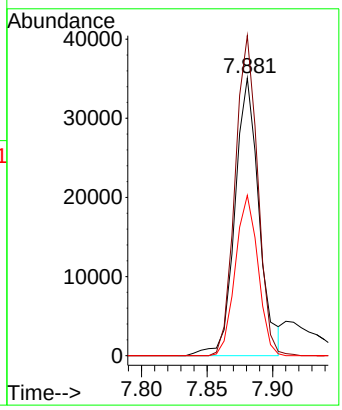


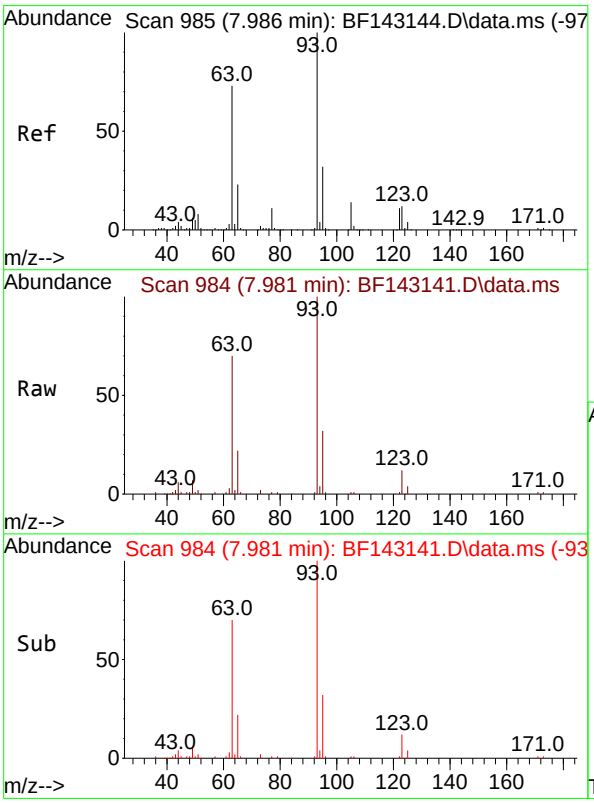
#27
2,4-Dimethylphenol
Concen: 5.382 ng
RT: 7.881 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

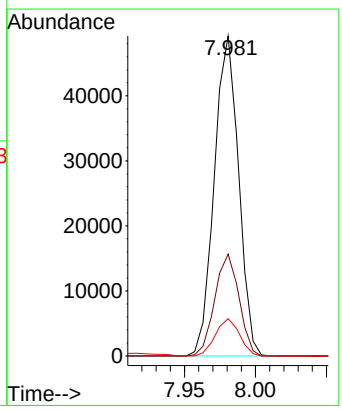


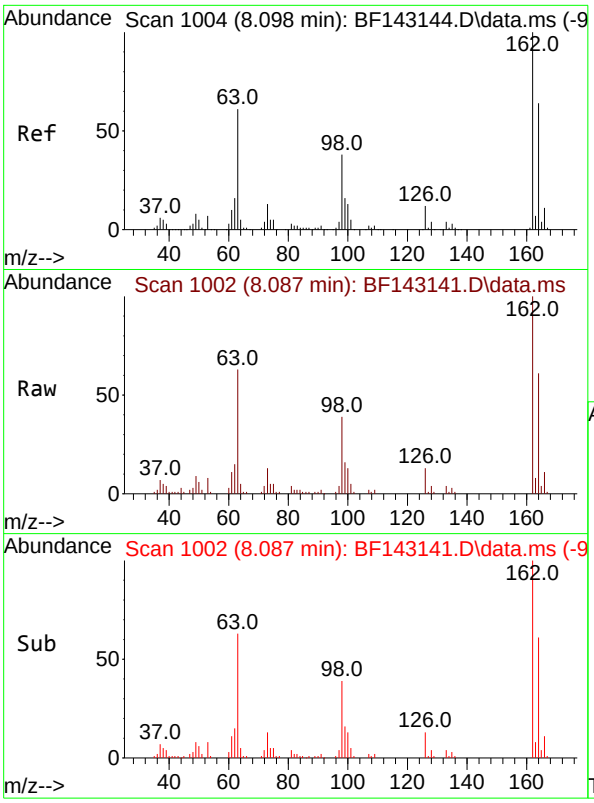


#28
bis(2-Chloroethoxy)methane
Concen: 5.455 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



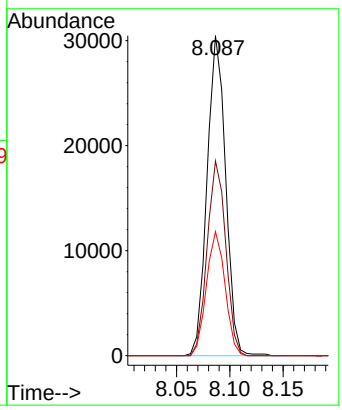


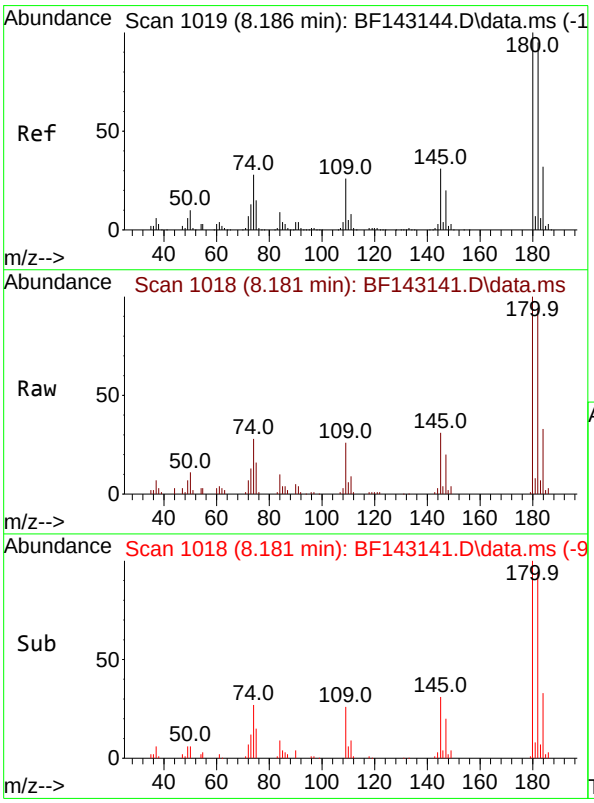
#29
2,4-Dichlorophenol
Concen: 5.236 ng
RT: 8.087 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

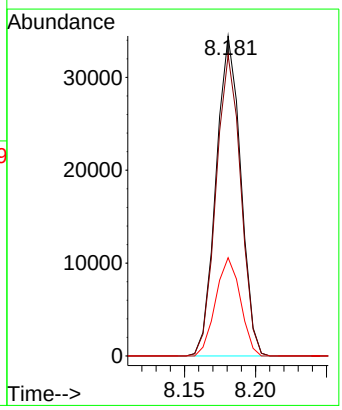


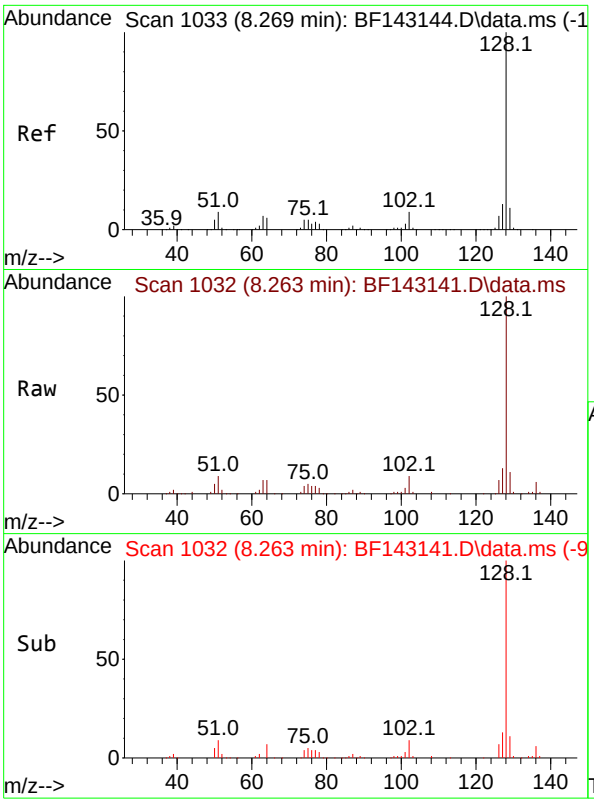


#30
1,2,4-Trichlorobenzene
Concen: 5.460 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



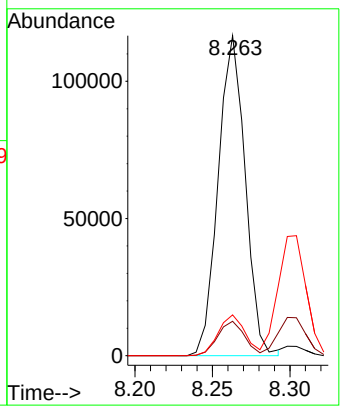


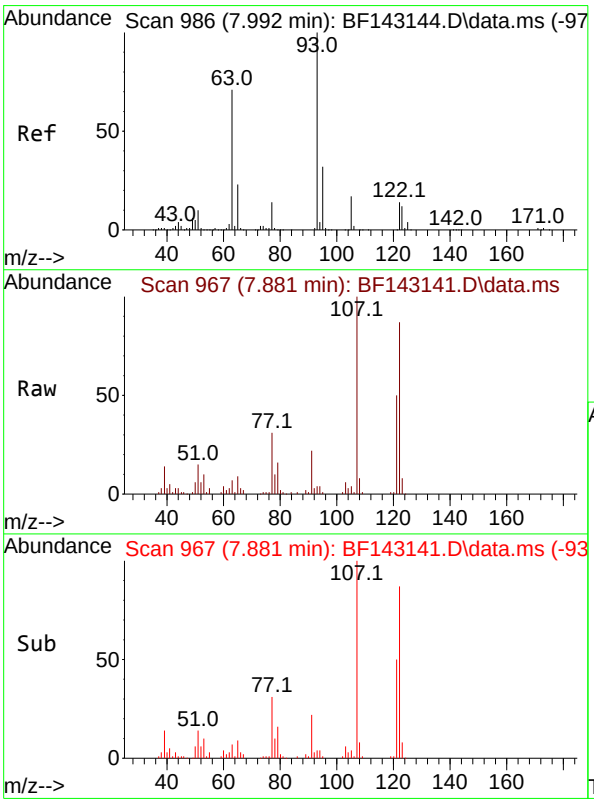
#31
Naphthalene
Concen: 5.676 ng
RT: 8.263 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

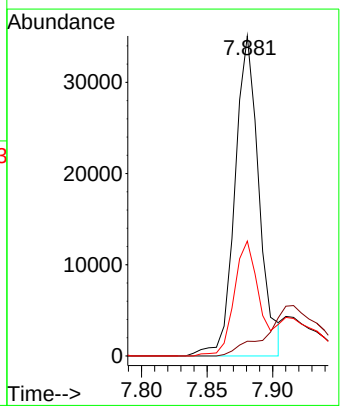


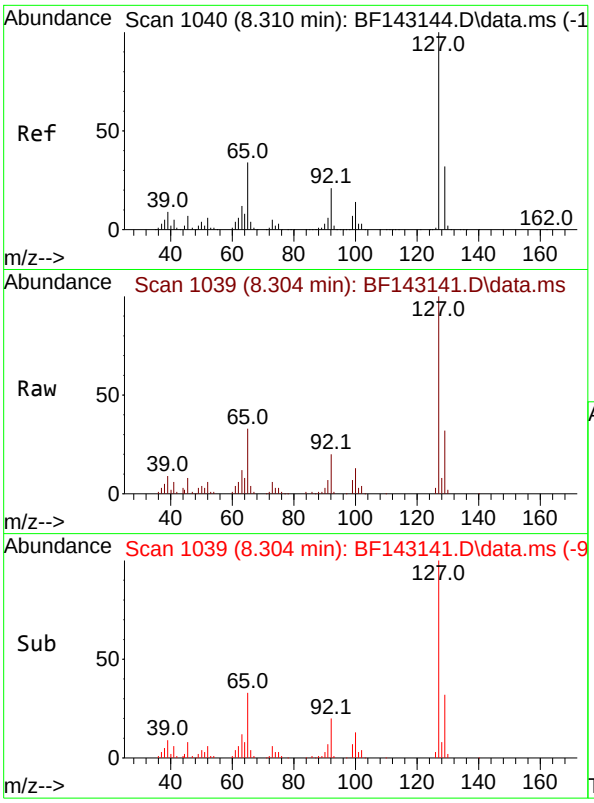


#32
Benzoic acid
Concen: 13.661 ng
RT: 7.881 min Scan# 967
Delta R.T. -0.111 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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#



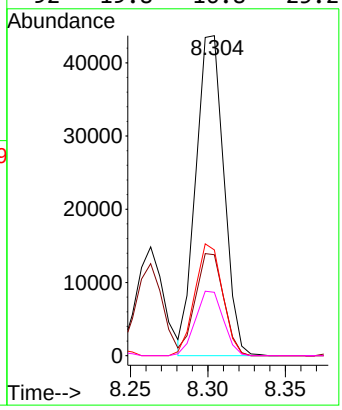


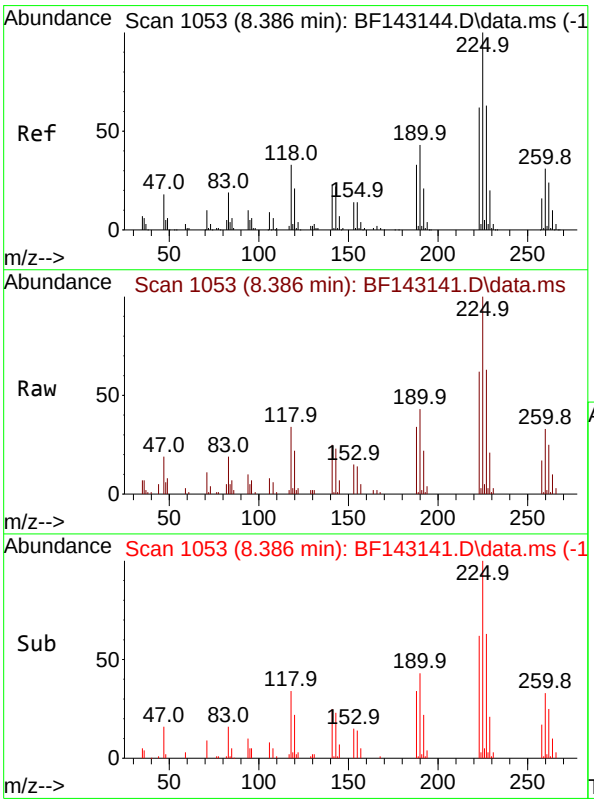
#33
4-Chloroaniline
Concen: 5.431 ng
RT: 8.304 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

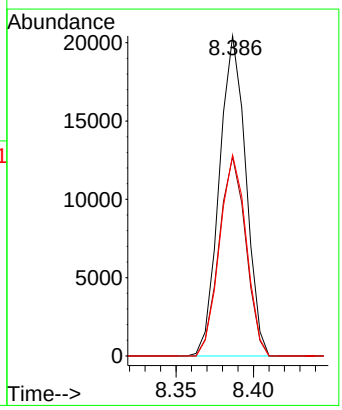


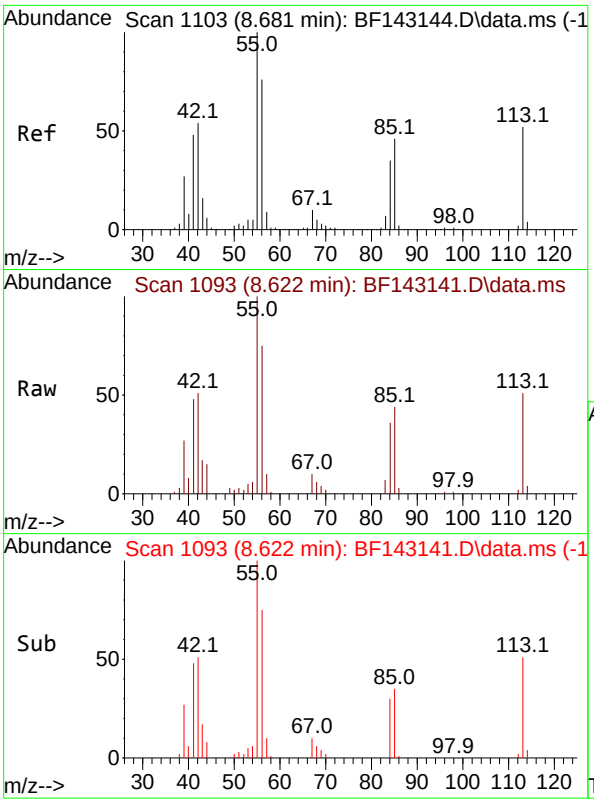


#34
Hexachlorobutadiene
Concen: 5.232 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



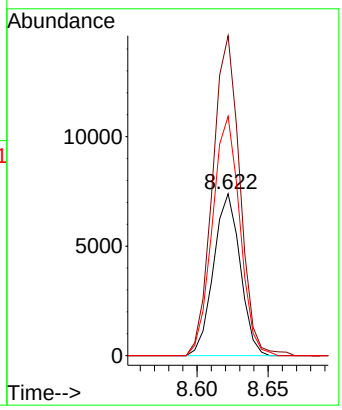


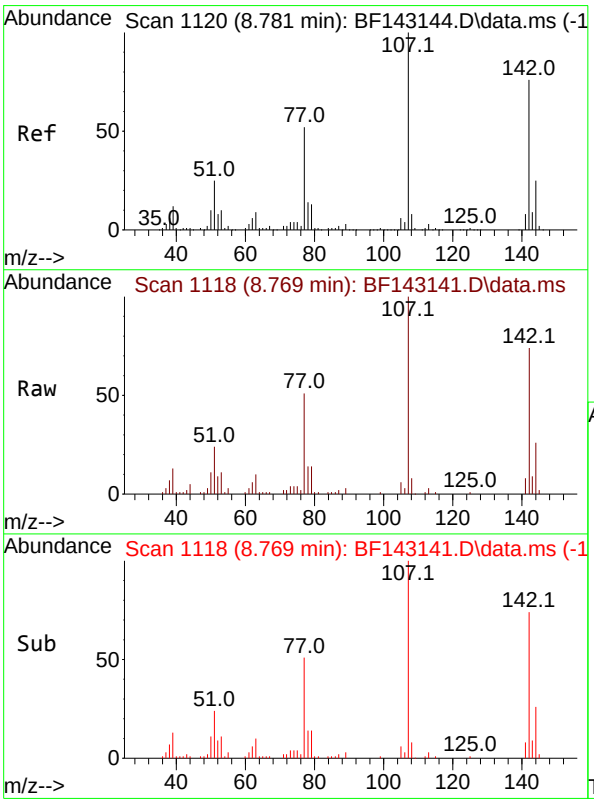
#35
Caprolactam
Concen: 4.532 ng
RT: 8.622 min Scan# 1(
Delta R.T. -0.059 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

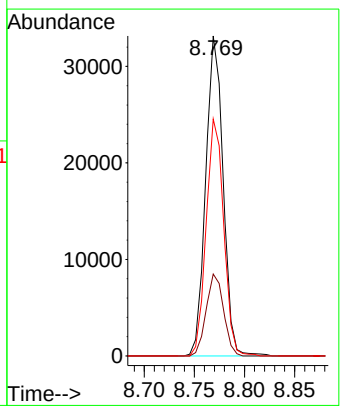


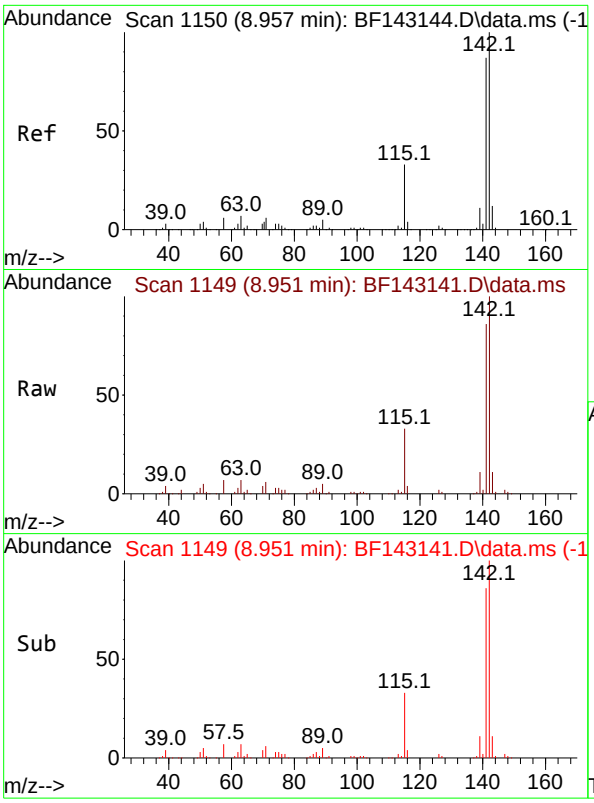


#36
4-Chloro-3-methylphenol
Concen: 5.251 ng
RT: 8.769 min Scan# 1118
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



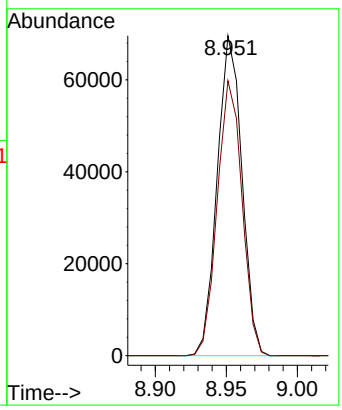


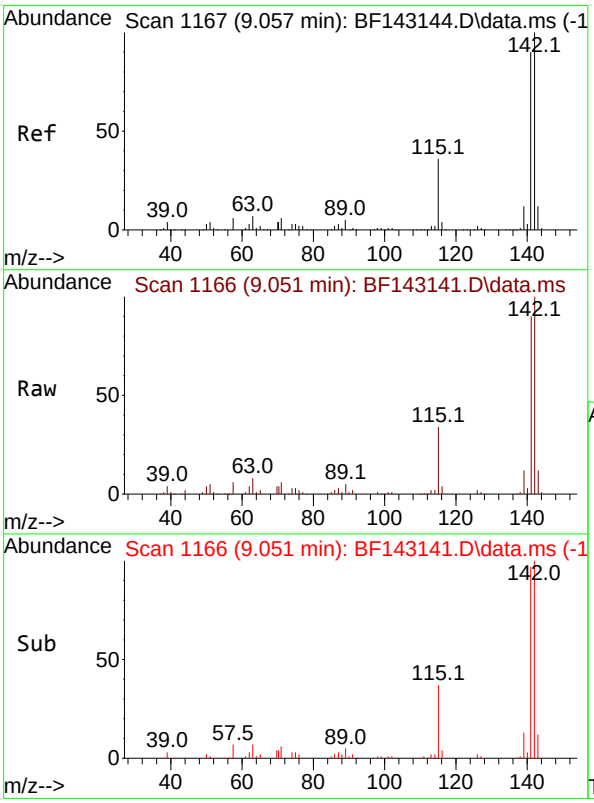
#37
2-Methylnaphthalene
Concen: 5.568 ng
RT: 8.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 84234

Ion	Ratio	Lower	Upper
142	100		
141	85.9	69.9	104.9

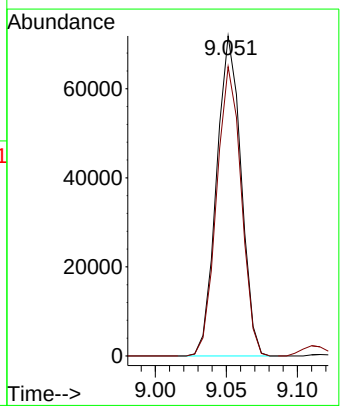


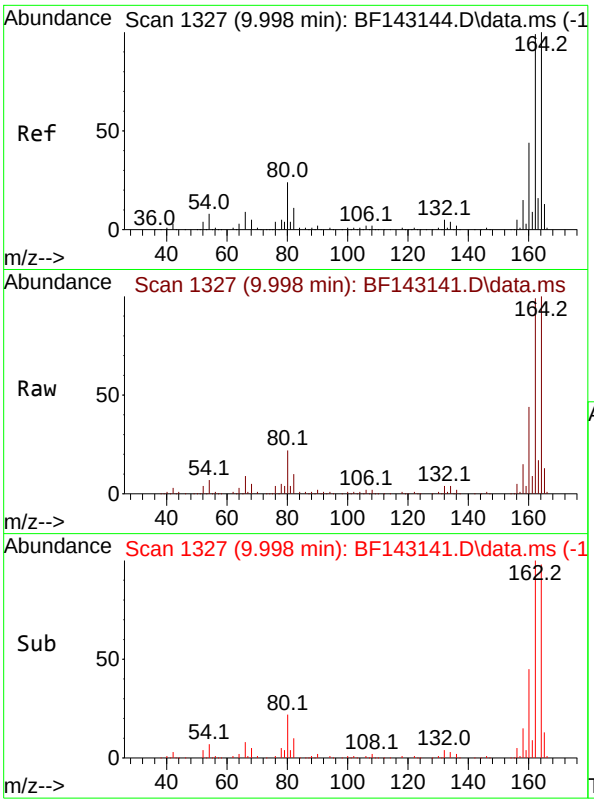


#38
1-Methylnaphthalene
Concen: 5.529 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

Tgt Ion:142 Resp: 86130

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5



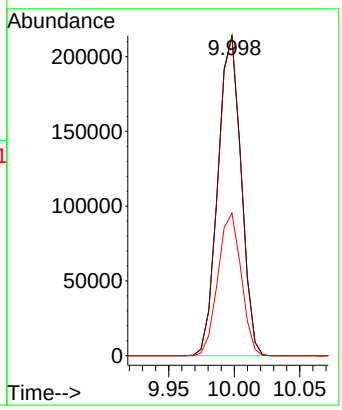


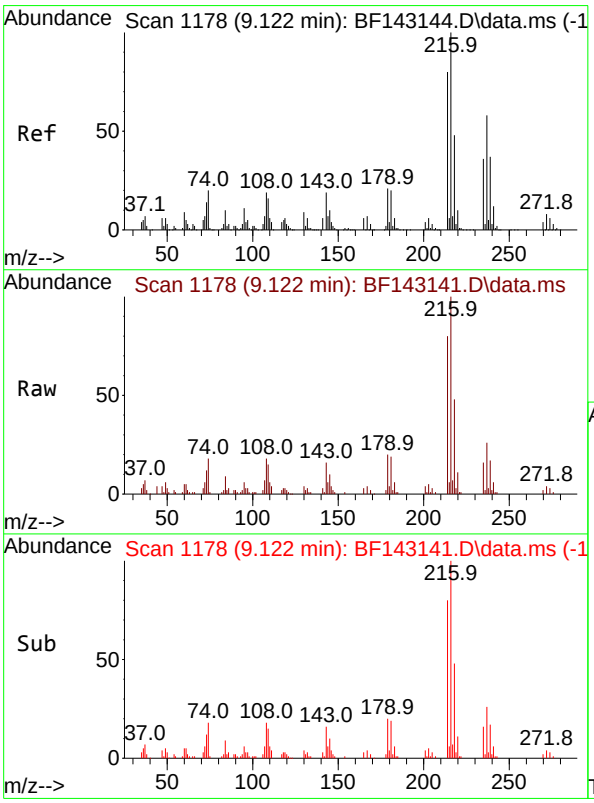
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

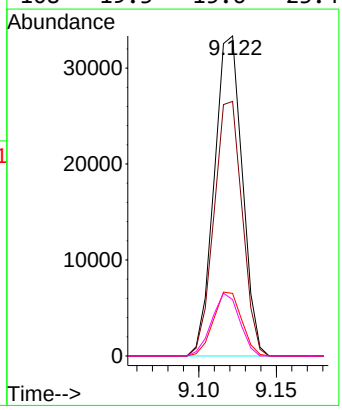


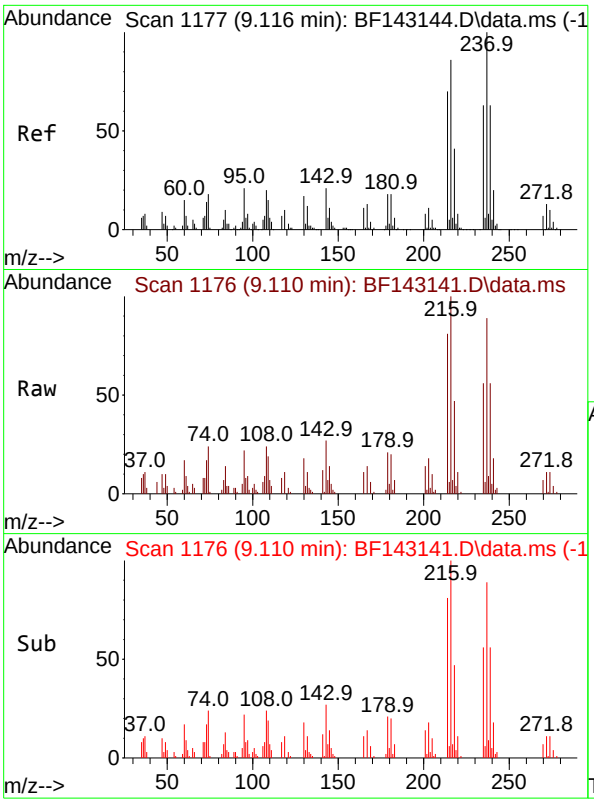


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.523 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



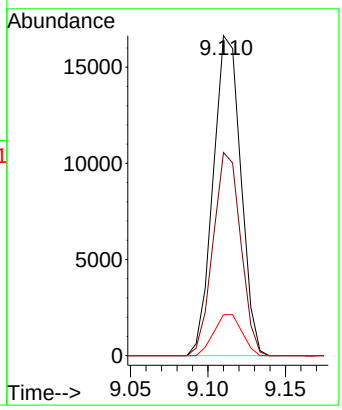


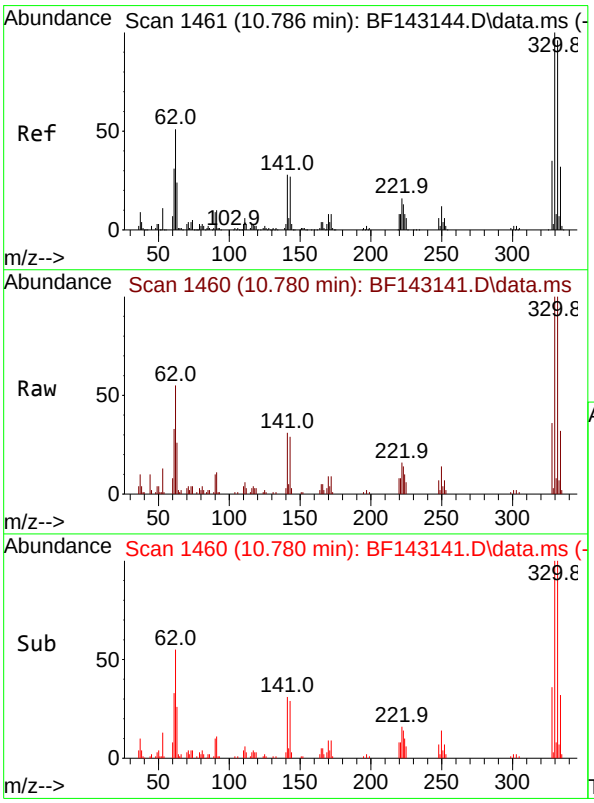
#41
Hexachlorocyclopentadiene
Concen: 4.177 ng
RT: 9.110 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

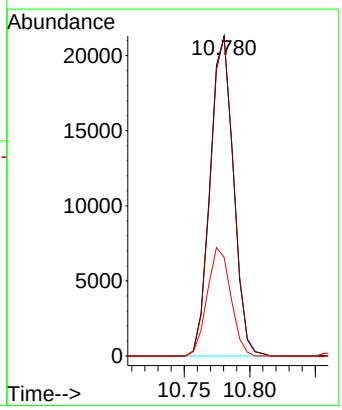


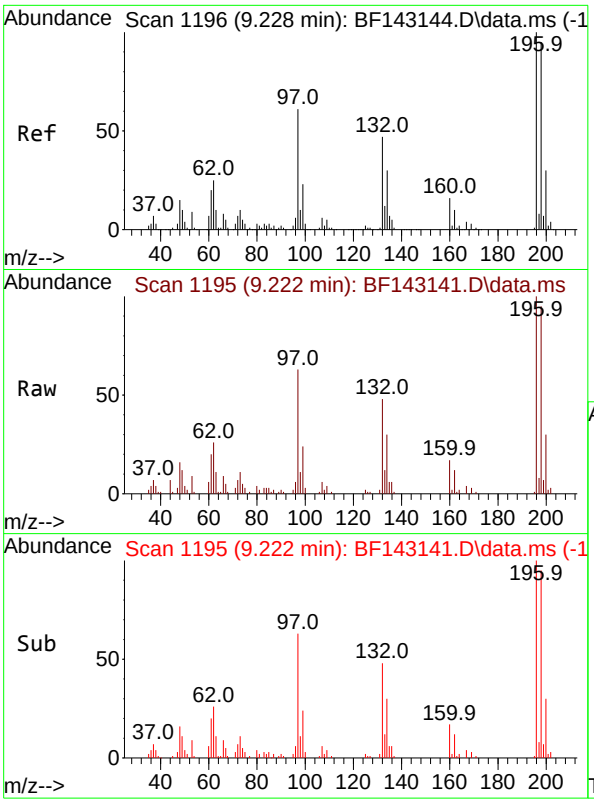


#42
2,4,6-Tribromophenol
Concen: 9.661 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



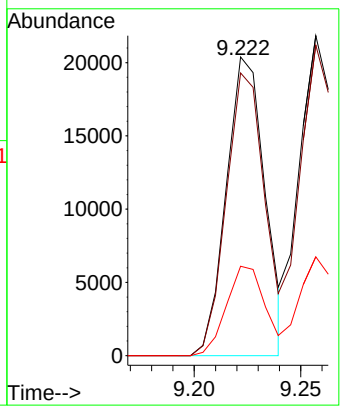


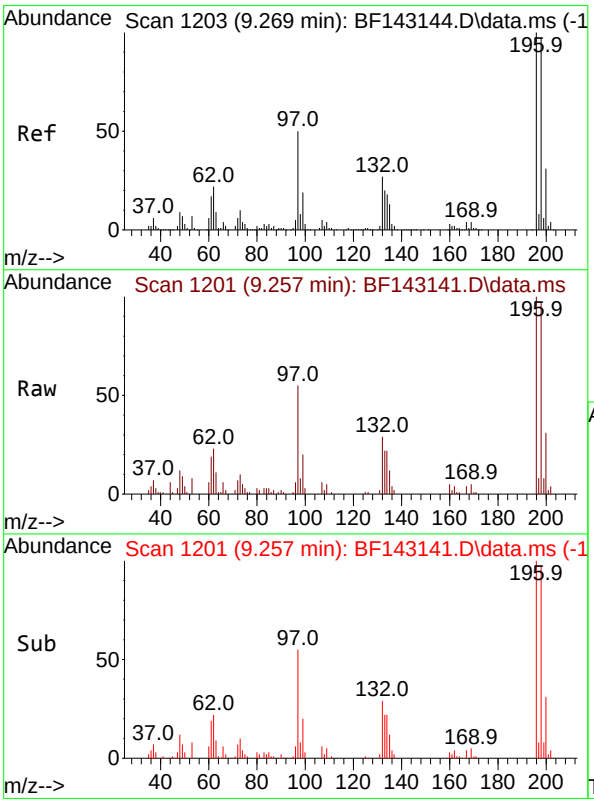
#43
2,4,6-Trichlorophenol
Concen: 4.889 ng
RT: 9.222 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

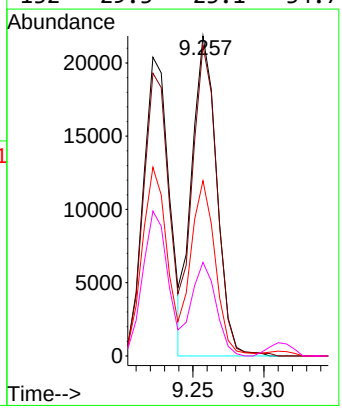


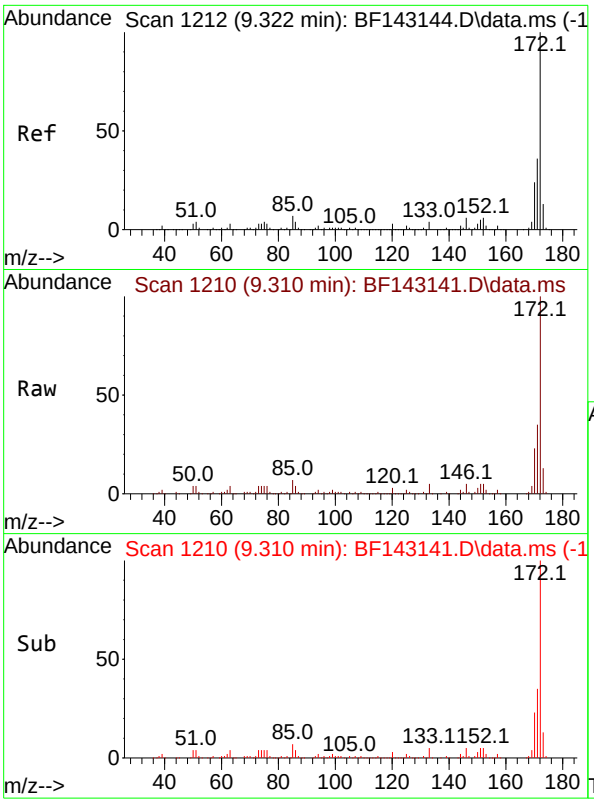


#44
2,4,5-Trichlorophenol
Concen: 5.057 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



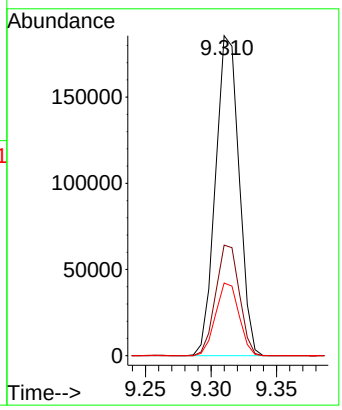


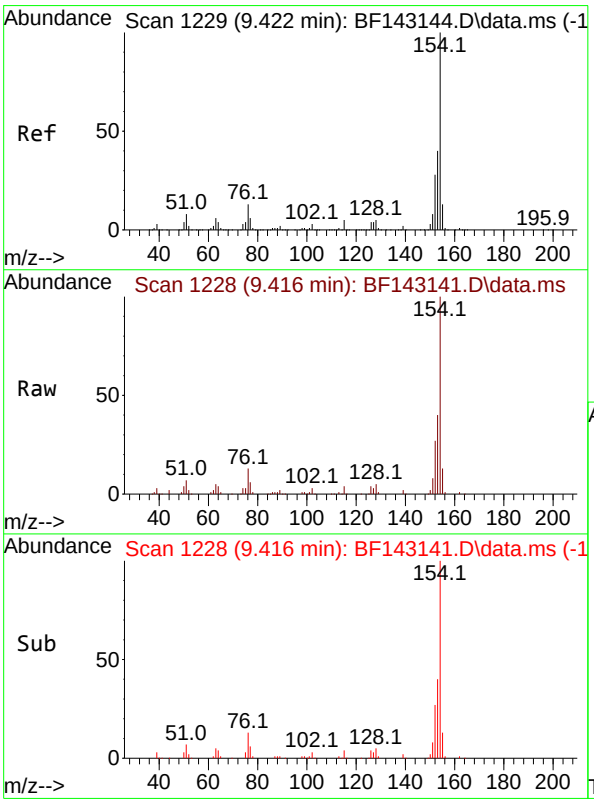
#45
2-Fluorobiphenyl
Concen: 12.043 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

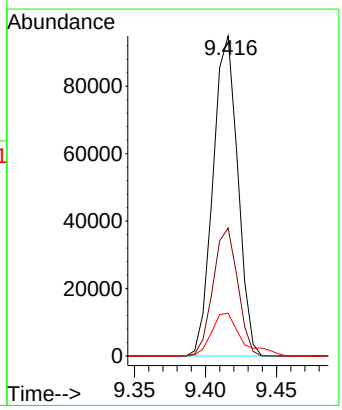


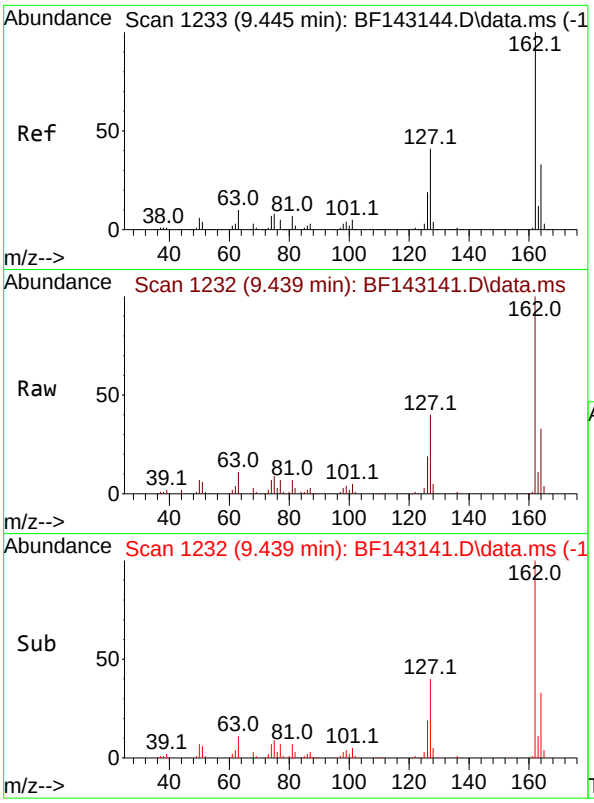


#46
1,1'-Biphenyl
Concen: 5.602 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



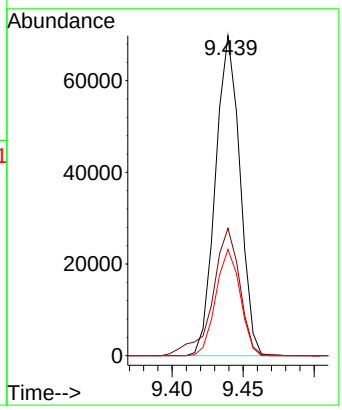


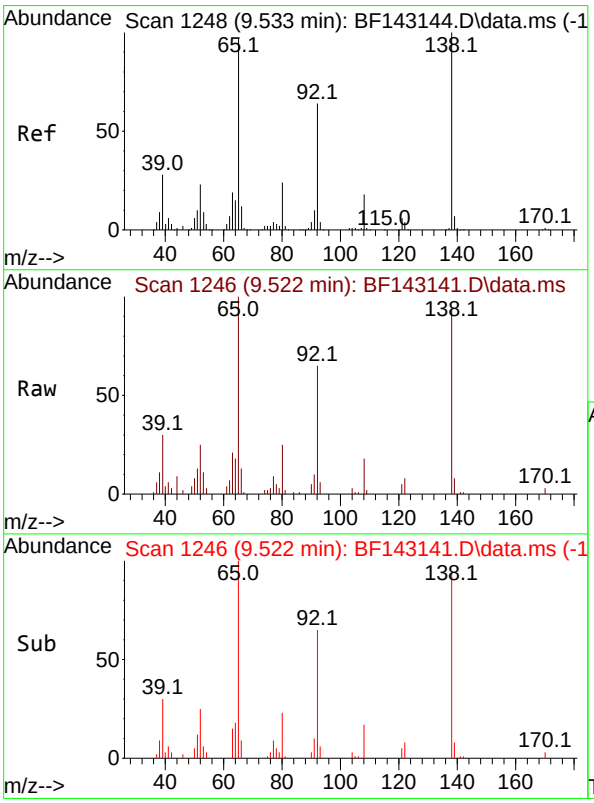
#47
2-Chloronaphthalene
Concen: 5.491 ng
RT: 9.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

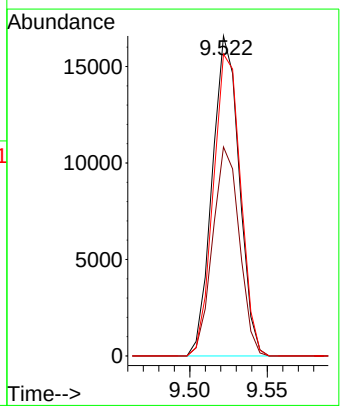


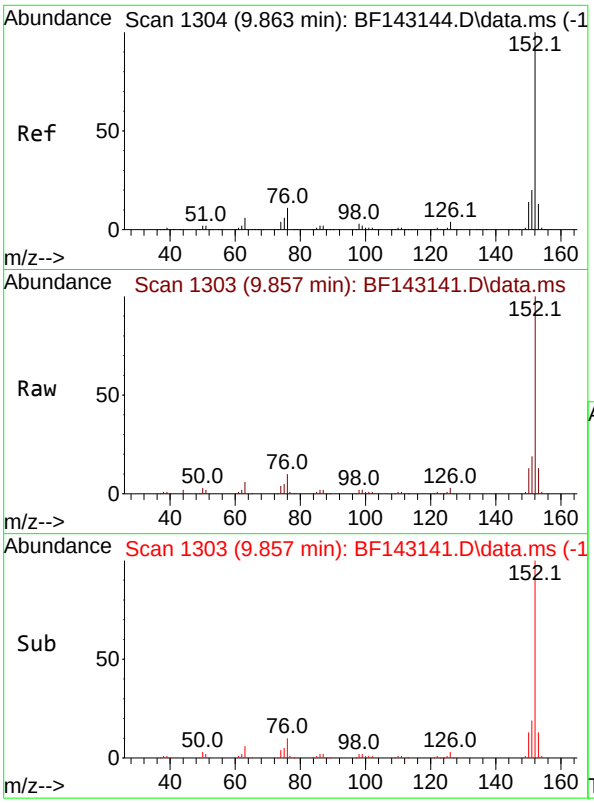


#48
2-Nitroaniline
Concen: 4.210 ng
RT: 9.522 min Scan# 1246
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



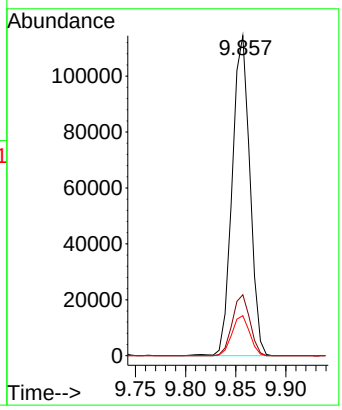


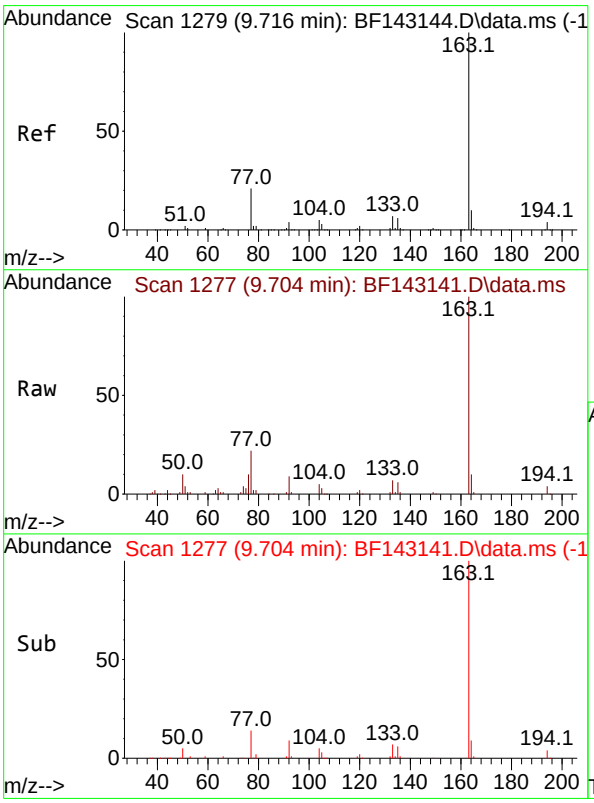
#49
Acenaphthylene
Concen: 5.514 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

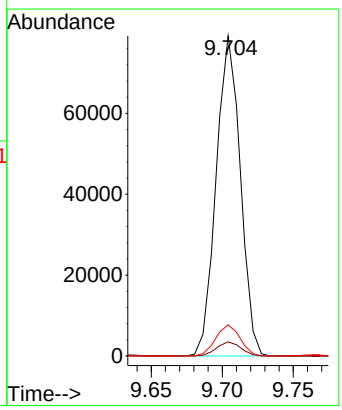


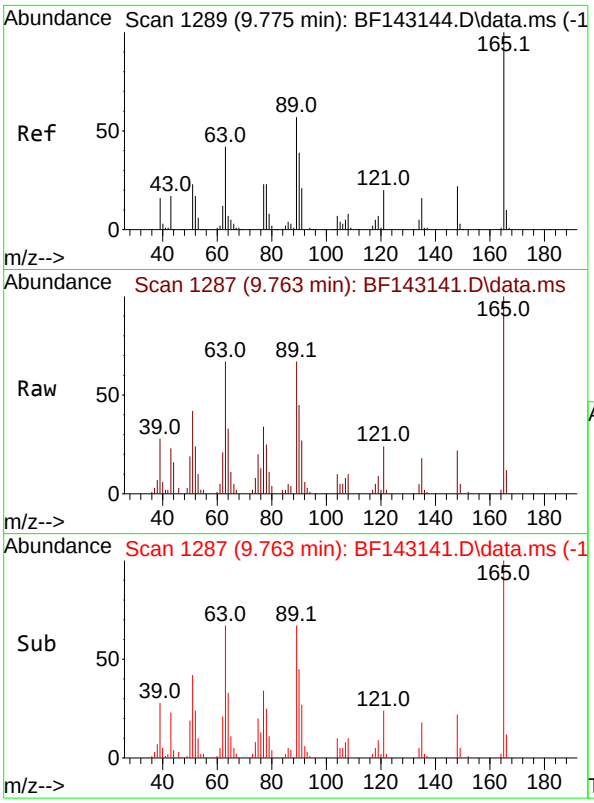


#50
Dimethylphthalate
Concen: 5.452 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



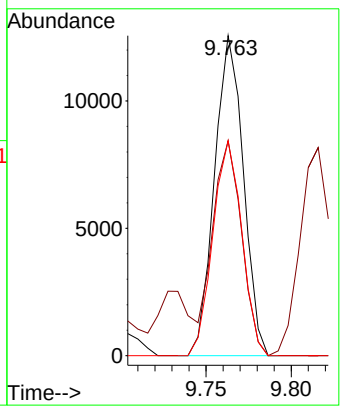


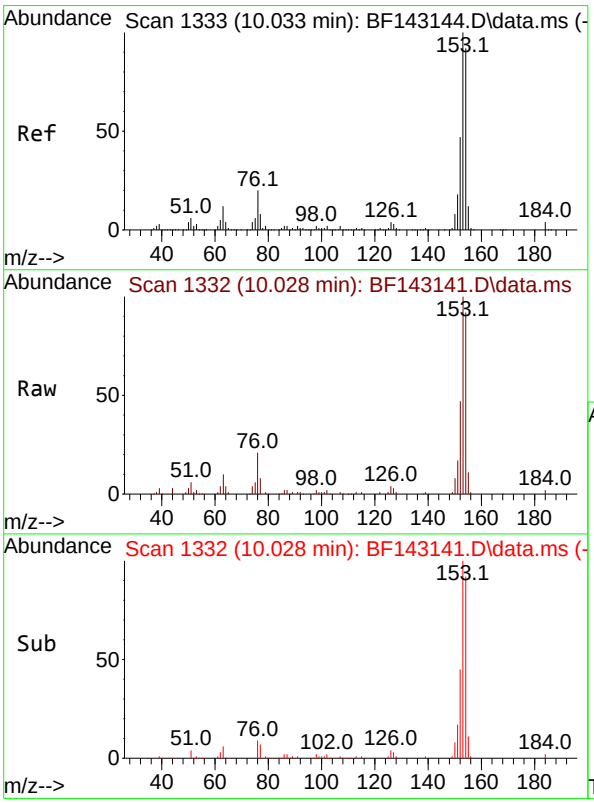
#51
2,6-Dinitrotoluene
Concen: 4.234 ng
RT: 9.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

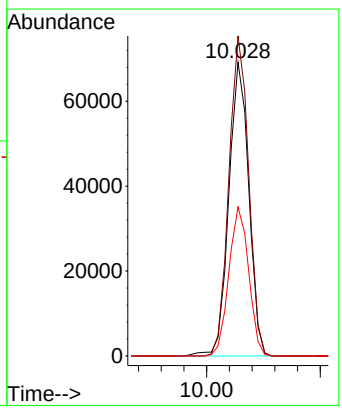


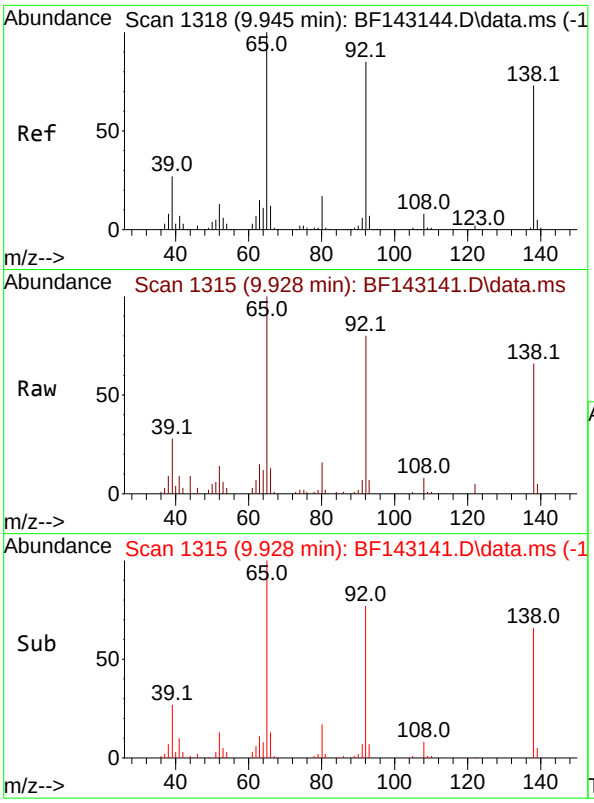


#52
Acenaphthene
Concen: 5.588 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



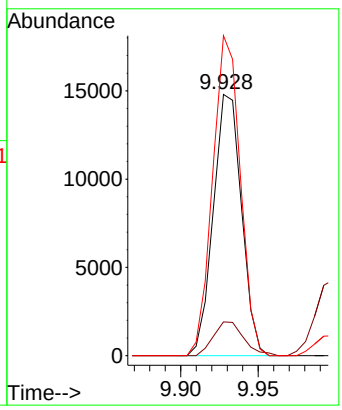


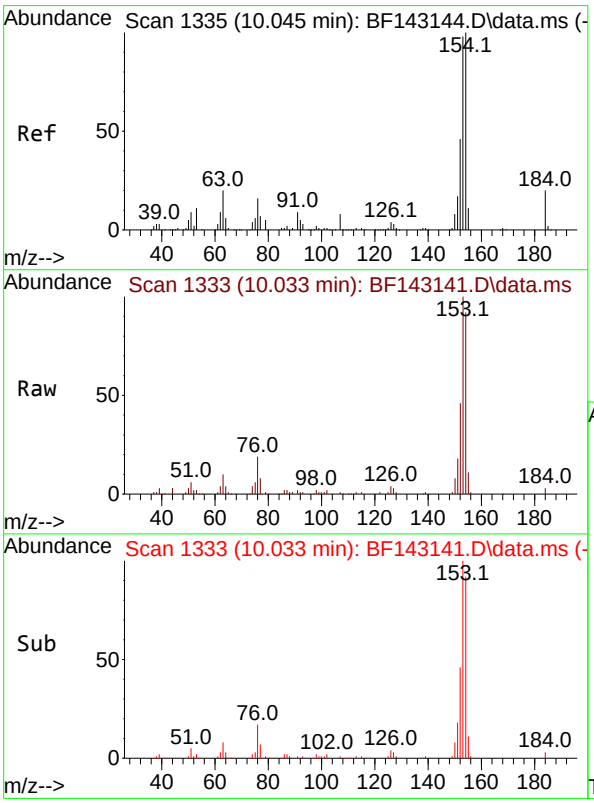
#53
3-Nitroaniline
Concen: 4.587 ng
RT: 9.928 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

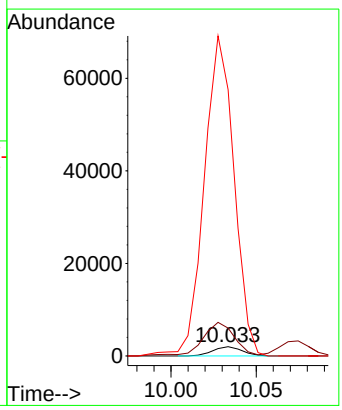


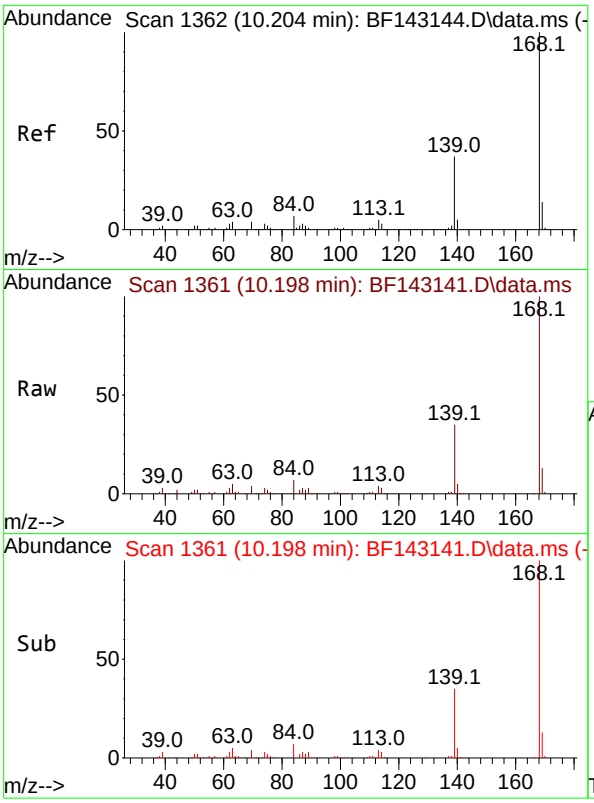


#54
2,4-Dinitrophenol
Concen: 8.047 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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#



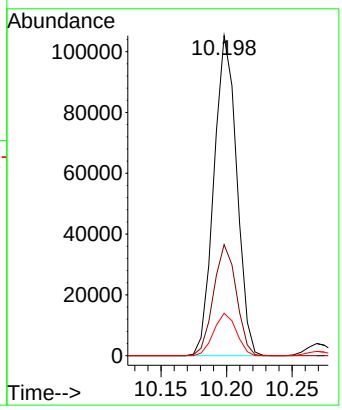


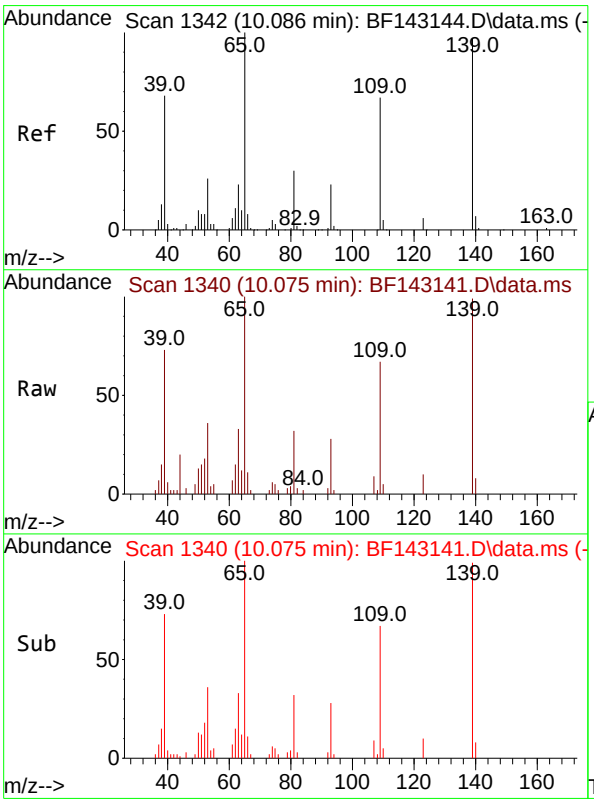
#55
Dibenzofuran
Concen: 5.681 ng
RT: 10.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

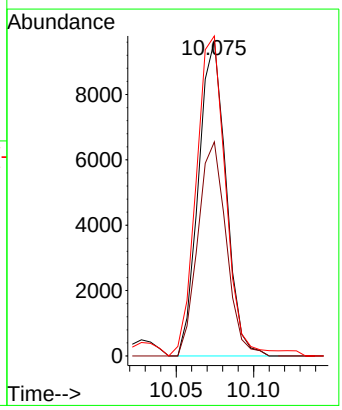


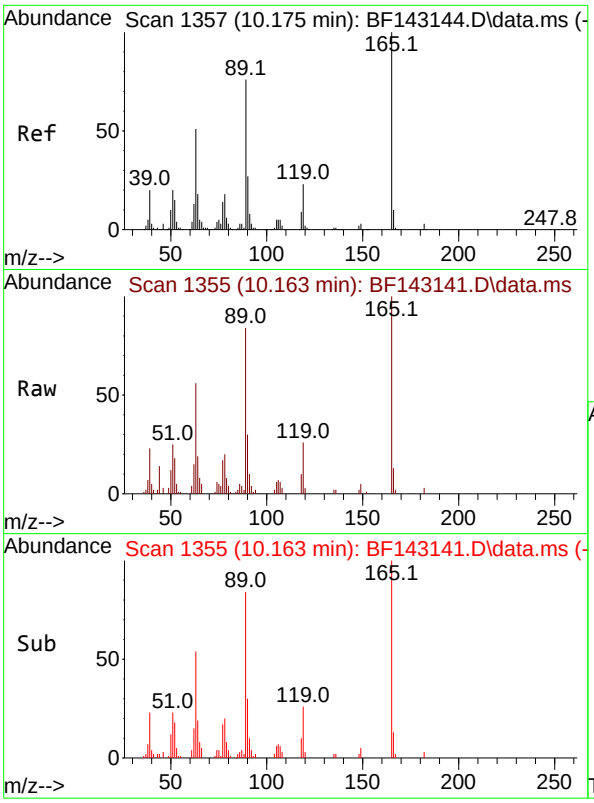


#56
4-Nitrophenol
Concen: 3.899 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



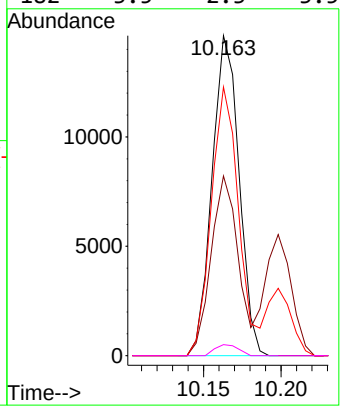


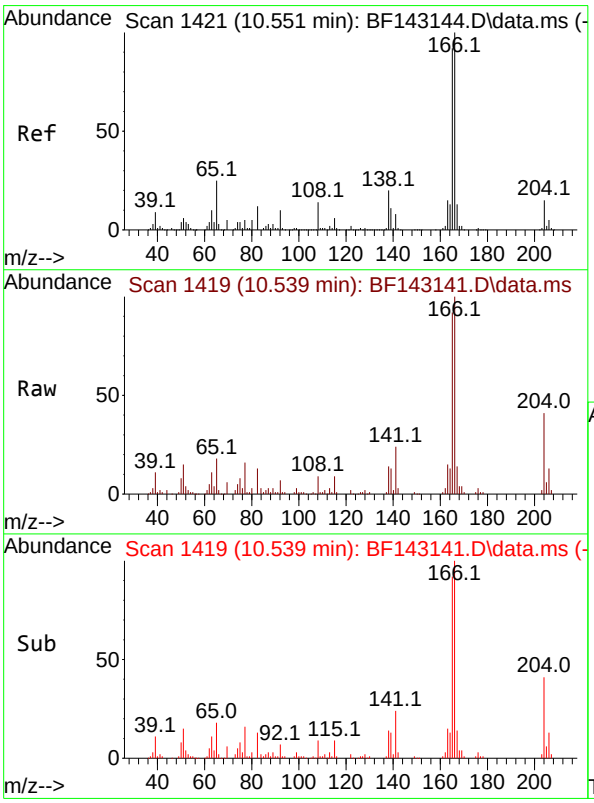
#57
2,4-Dinitrotoluene
Concen: 4.041 ng
RT: 10.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

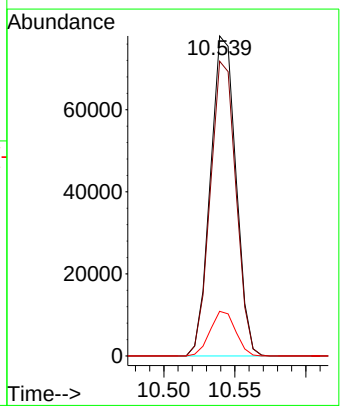


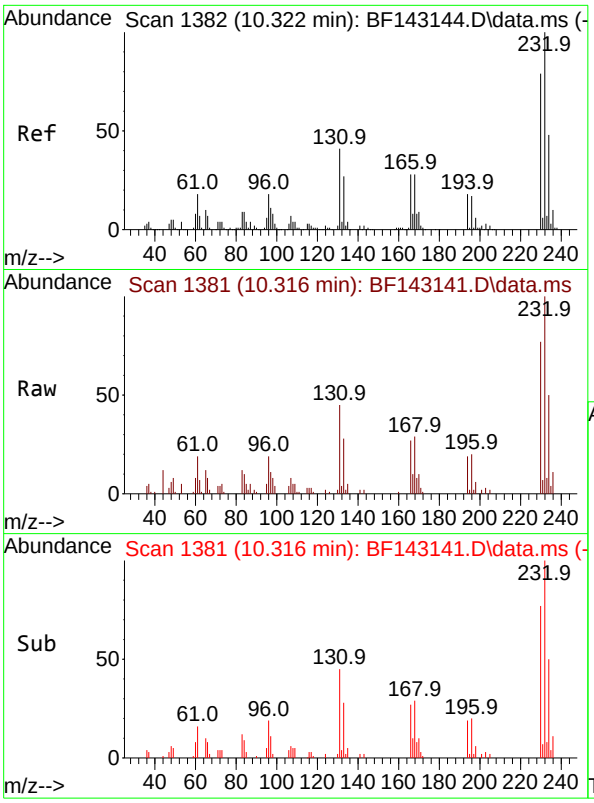


#58
Fluorene
Concen: 5.808 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



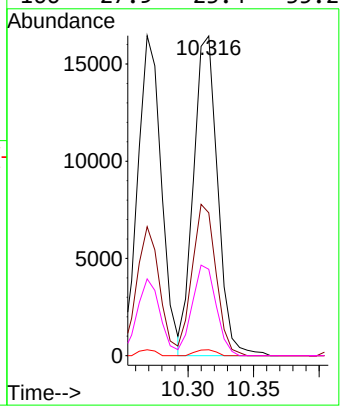


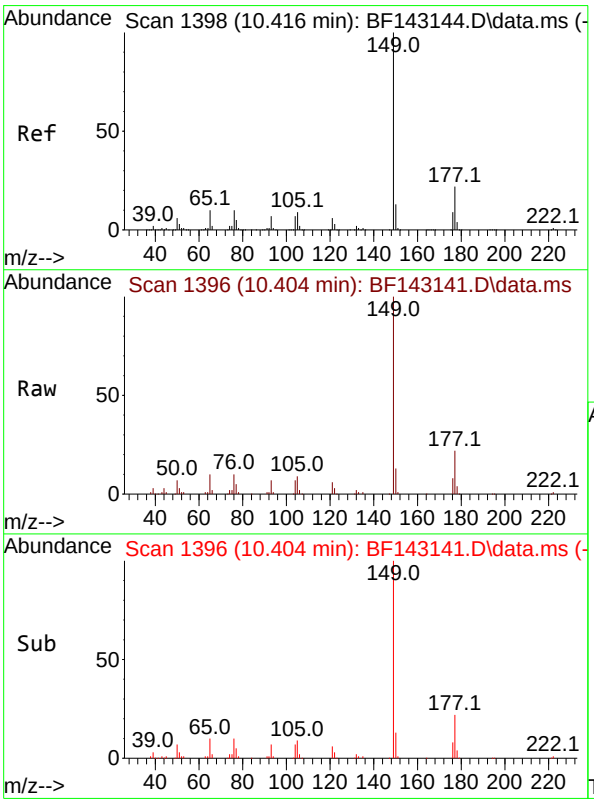
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.840 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

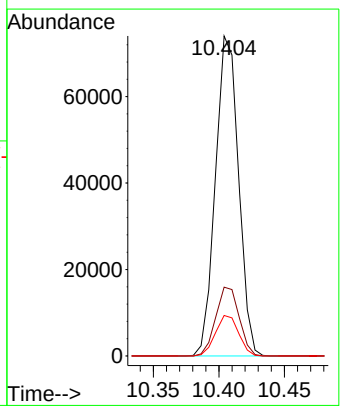


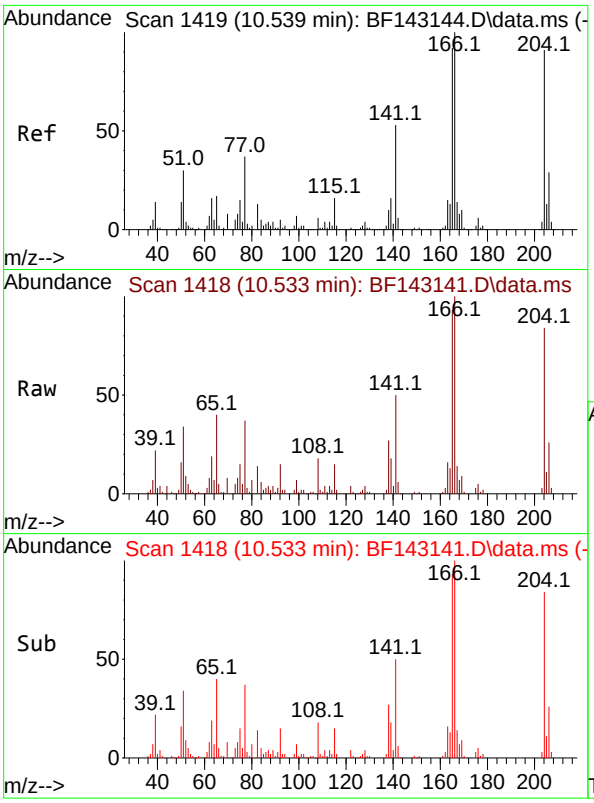


#60
Diethylphthalate
Concen: 5.342 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



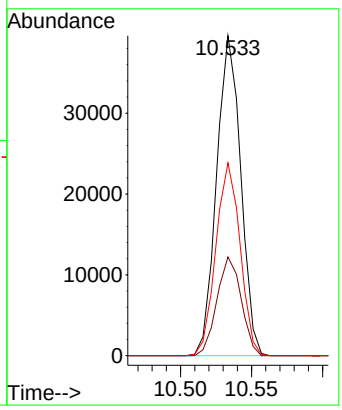


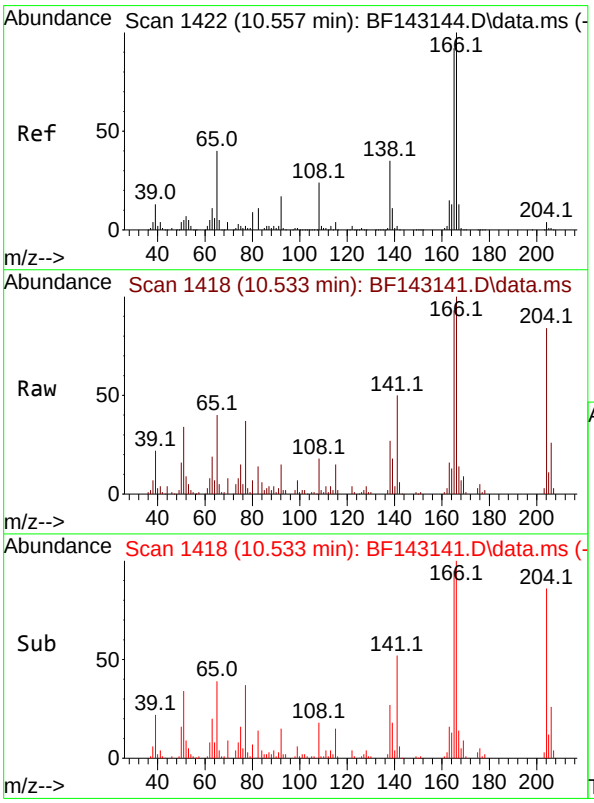
#61
4-Chlorophenyl-phenylether
Concen: 5.594 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

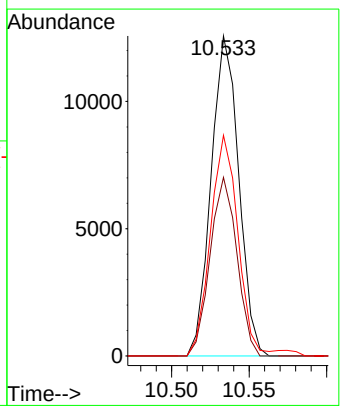


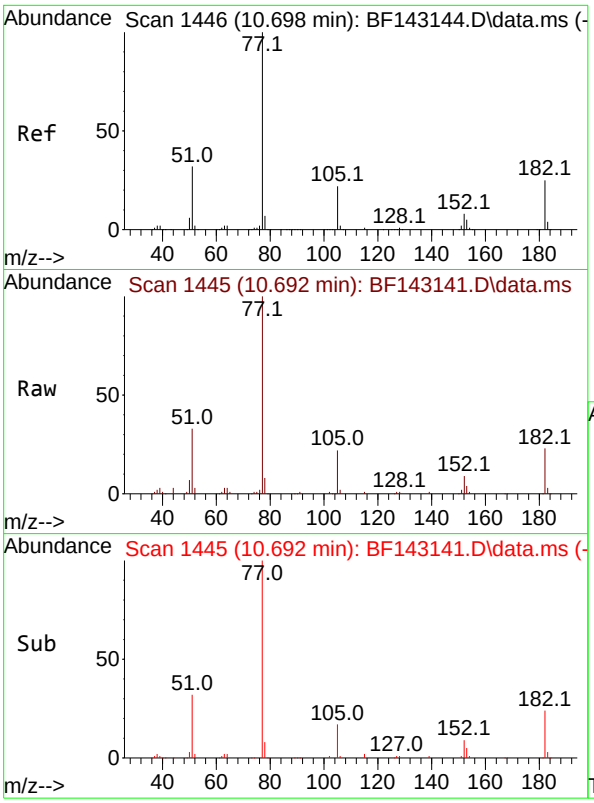


#62
4-Nitroaniline
Concen: 4.446 ng
RT: 10.533 min Scan# 1418
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



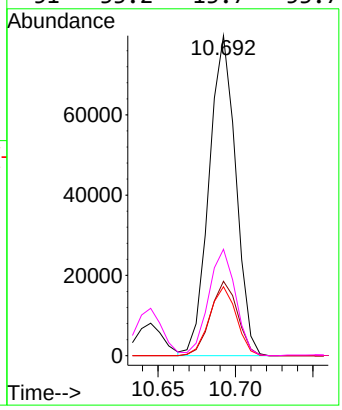


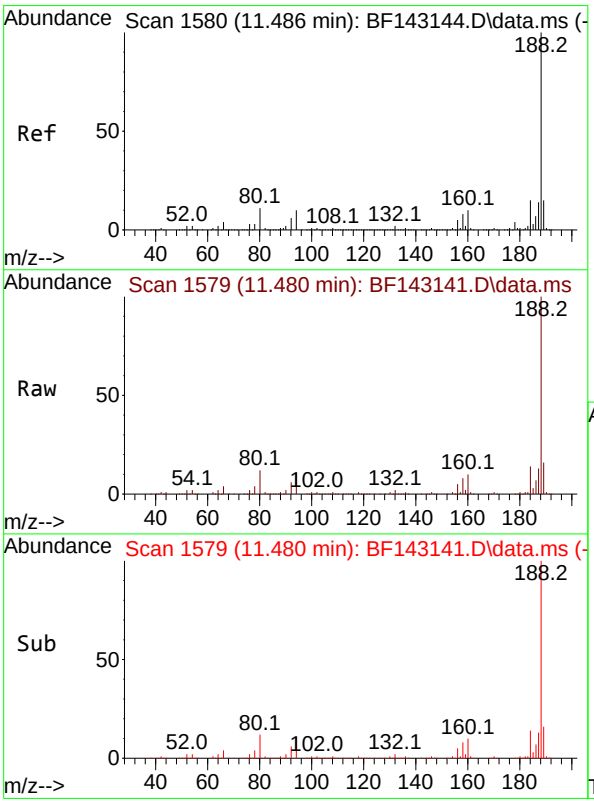
#63
Azobenzene
Concen: 5.405 ng
RT: 10.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

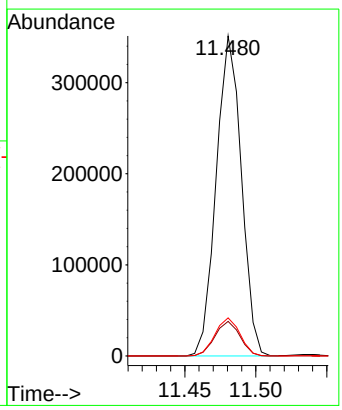


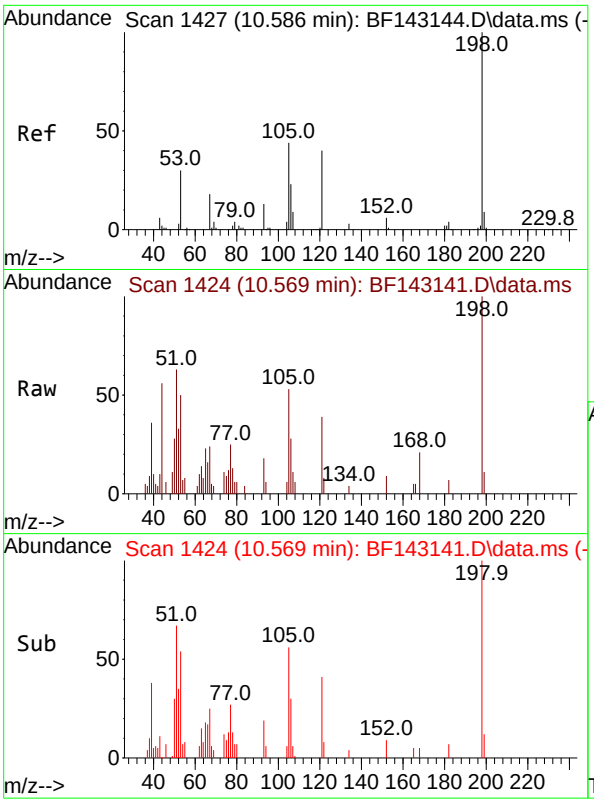


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



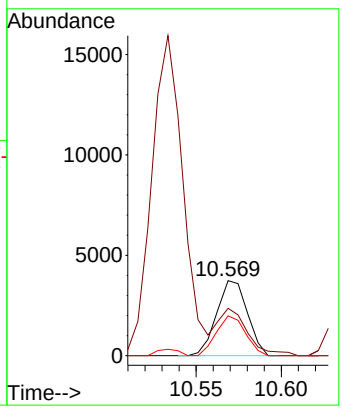


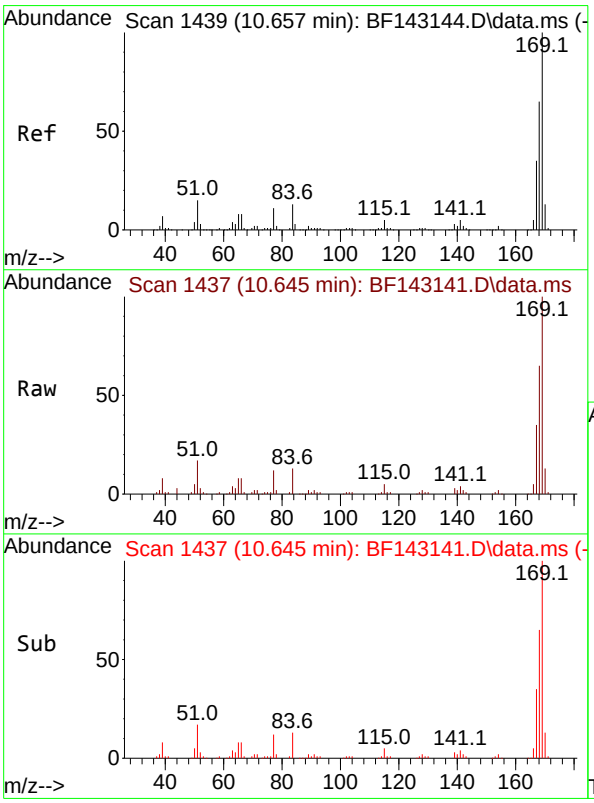
#65
4,6-Dinitro-2-methylphenol
Concen: 7.249 ng
RT: 10.569 min Scan# 1
Delta R.T. -0.017 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

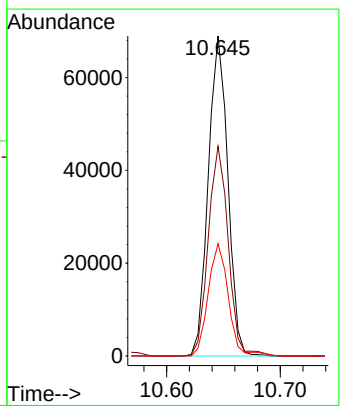


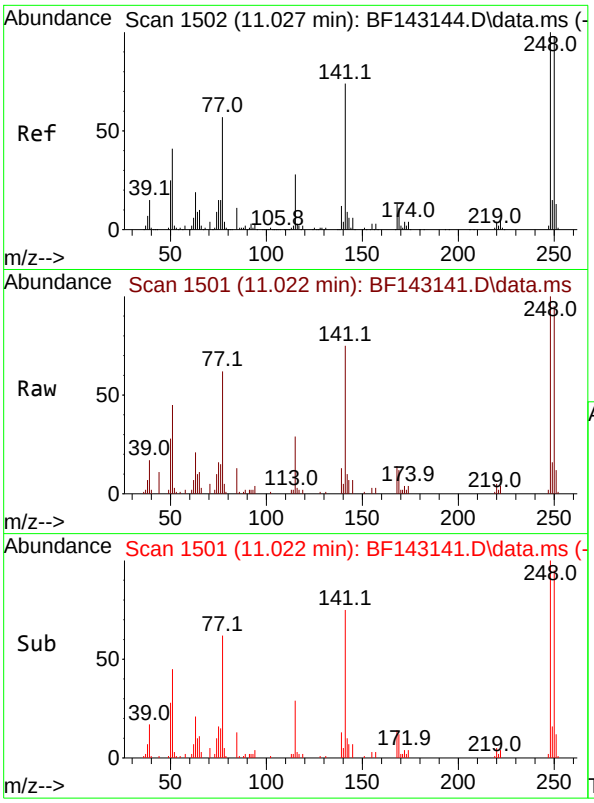


#66
n-Nitrosodiphenylamine
Concen: 5.405 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



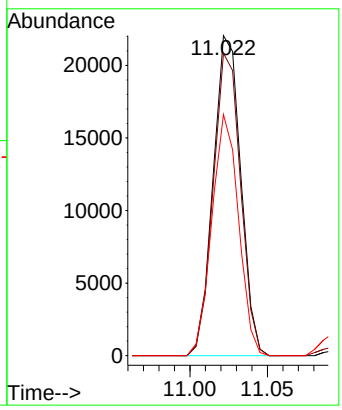


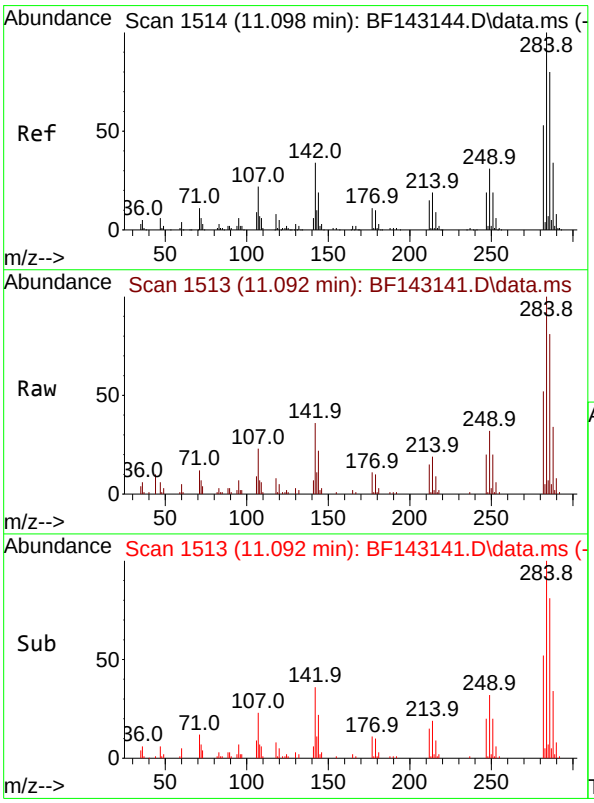
#67
4-Bromophenyl-phenylether
Concen: 5.291 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

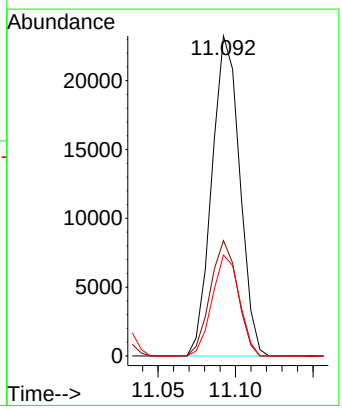


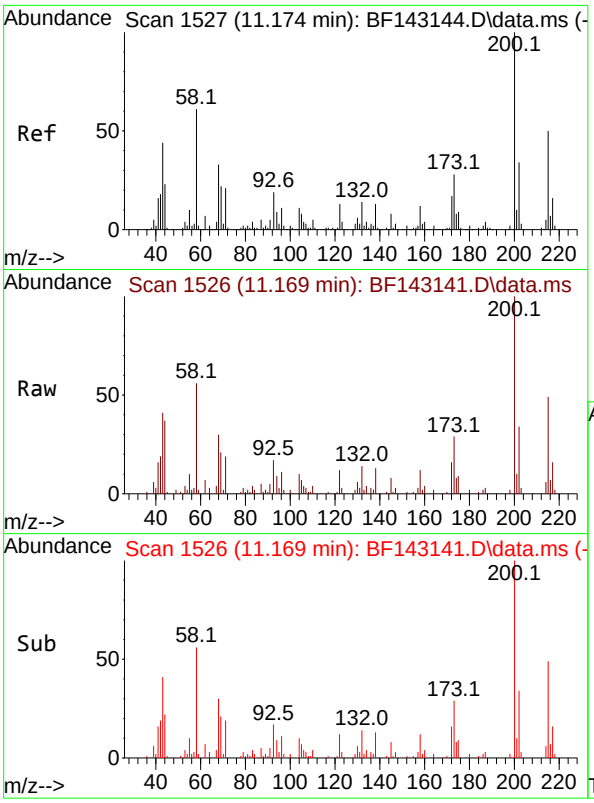


#68
Hexachlorobenzene
Concen: 5.395 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



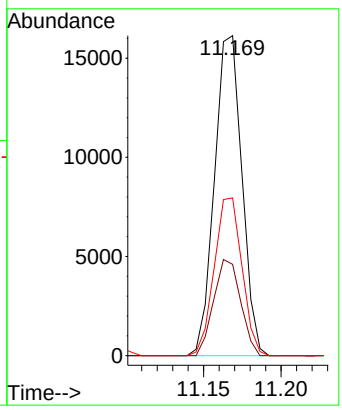


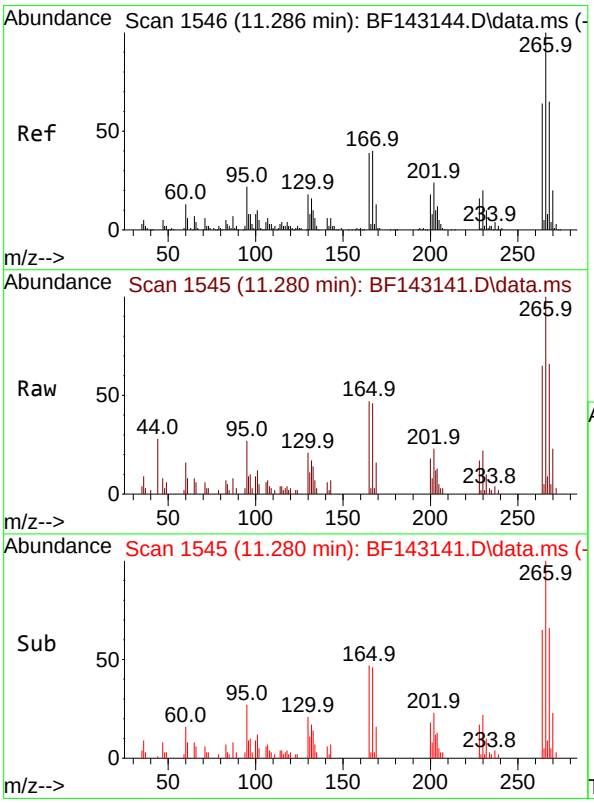
#69
Atrazine
Concen: 4.733 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

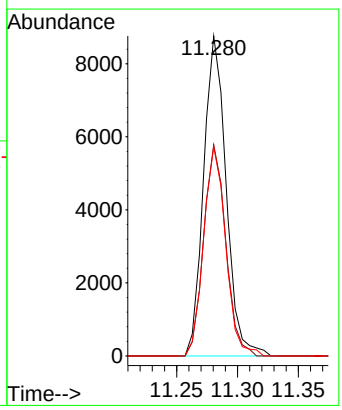


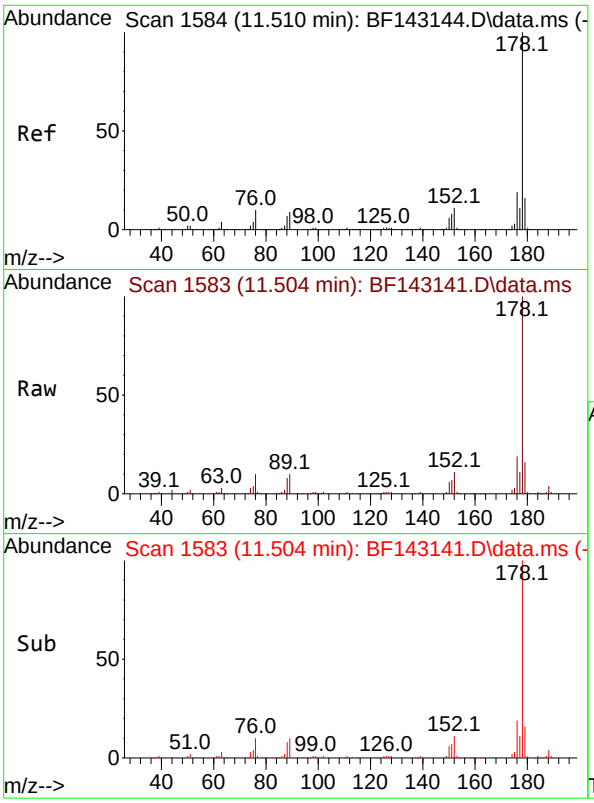


#70
Pentachlorophenol
Concen: 3.566 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



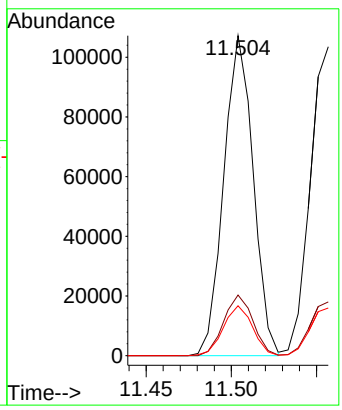


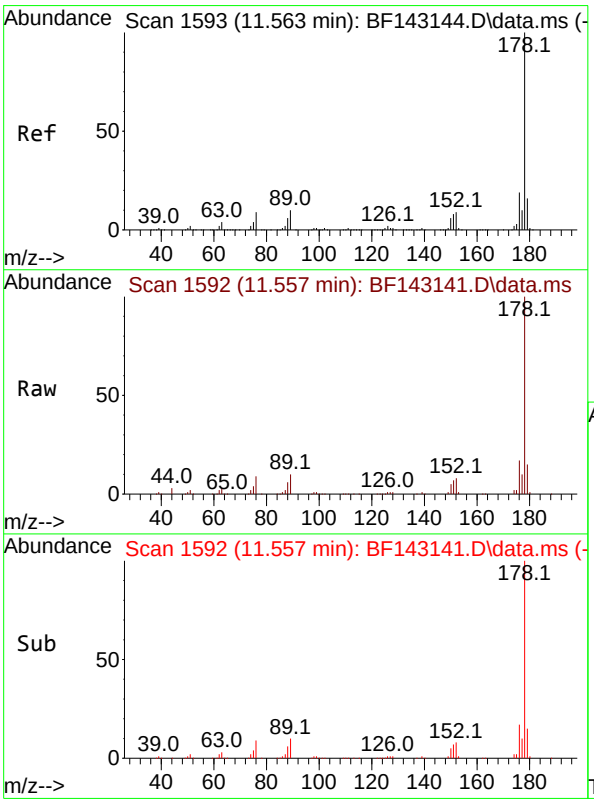
#71
Phenanthrene
Concen: 5.609 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

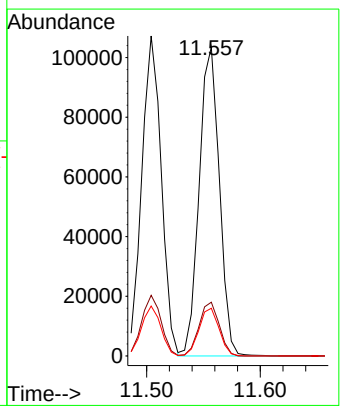


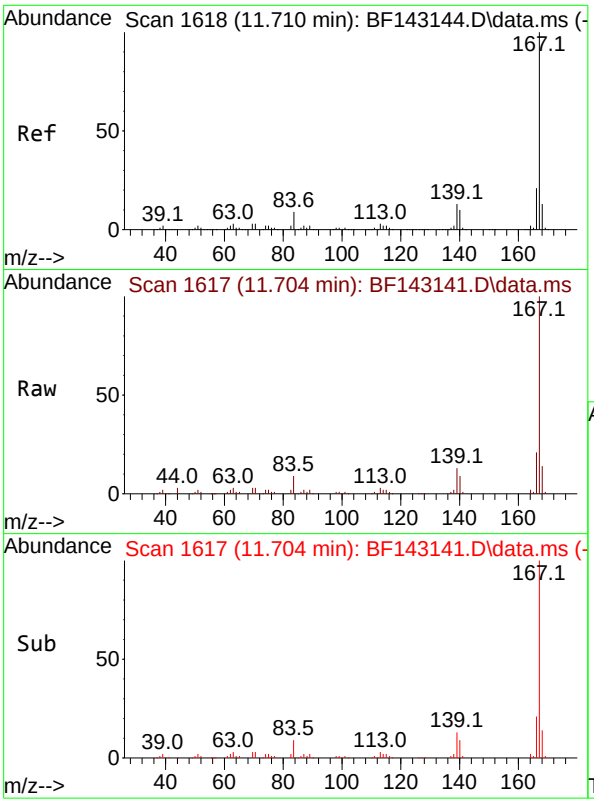


#72
Anthracene
Concen: 5.465 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



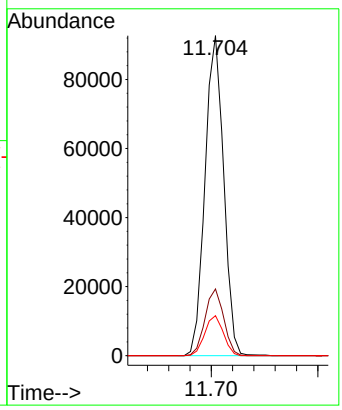


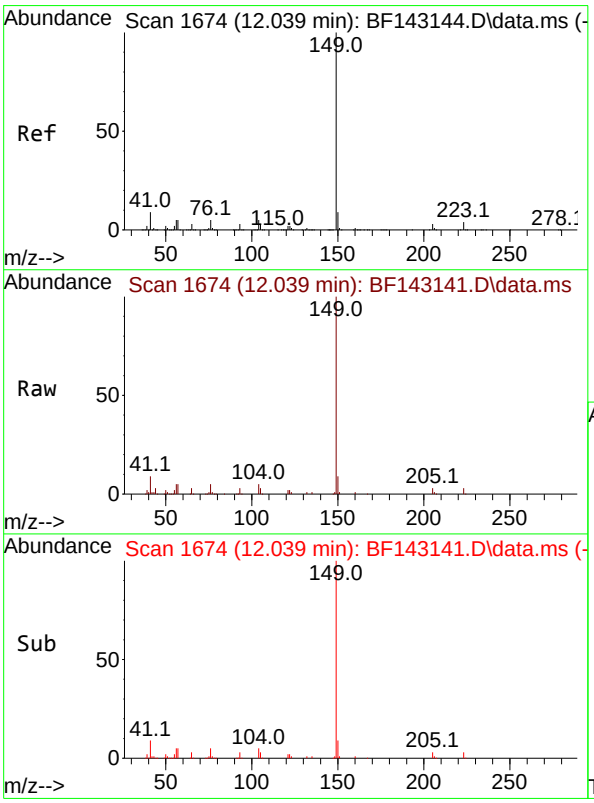
#73
Carbazole
Concen: 5.507 ng
RT: 11.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

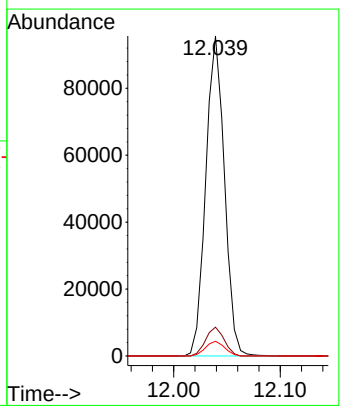


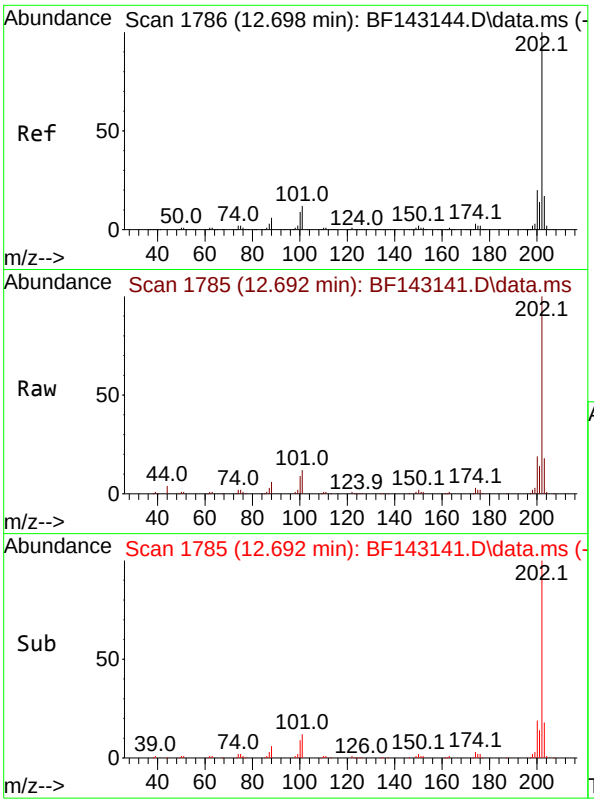


#74
Di-n-butylphthalate
Concen: 5.027 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



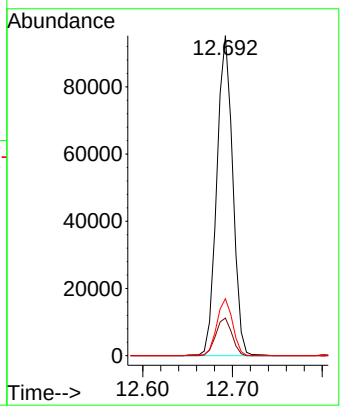


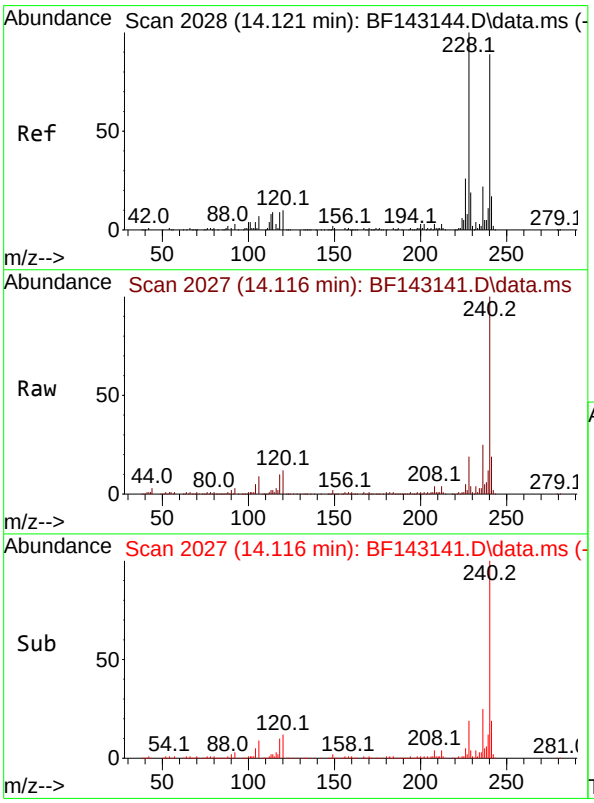
#75
Fluoranthene
Concen: 5.565 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

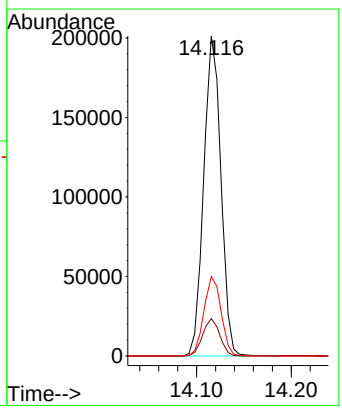


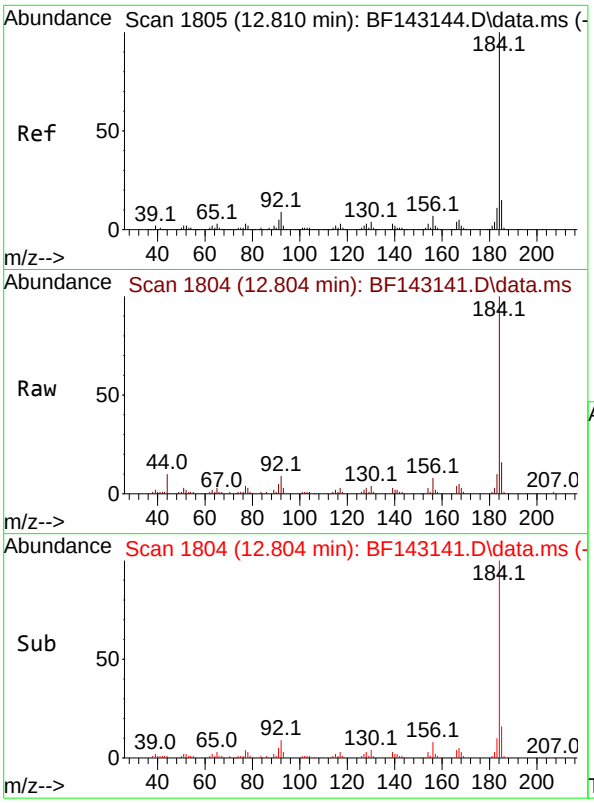


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



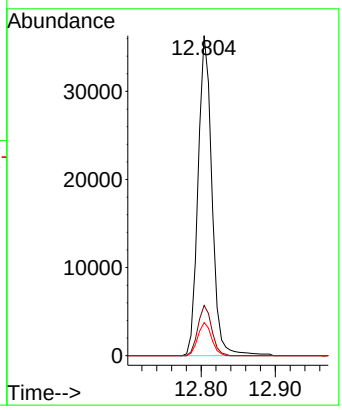


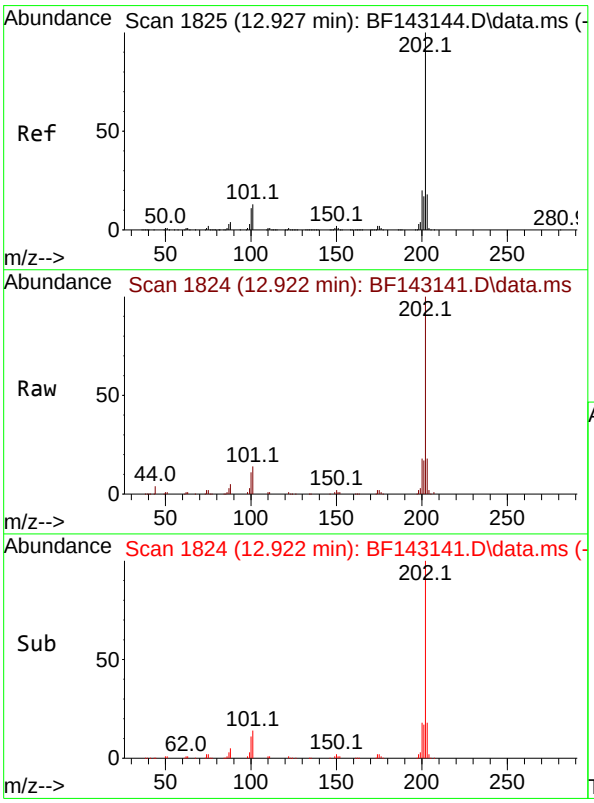
#77
Benzidine
Concen: 4.846 ng
RT: 12.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

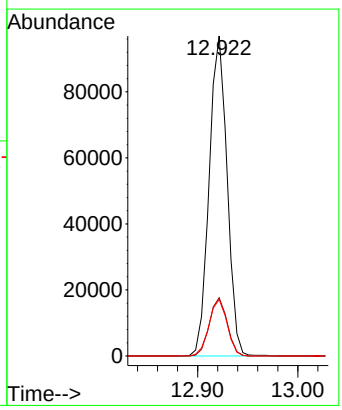


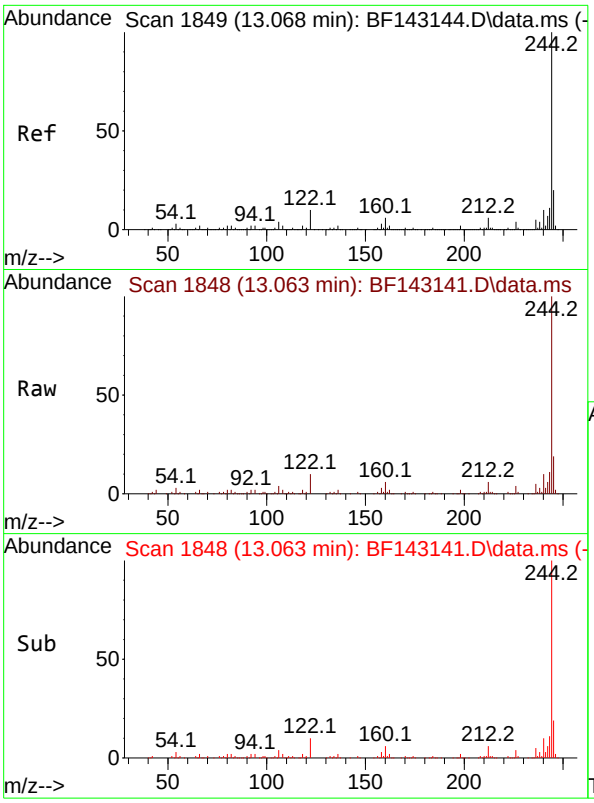


#78
Pyrene
Concen: 5.593 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



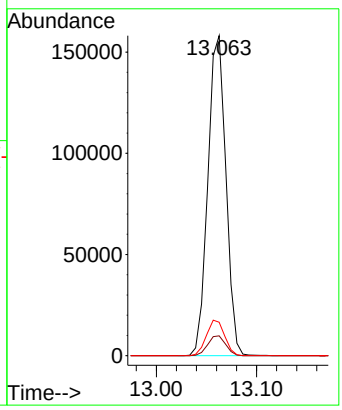


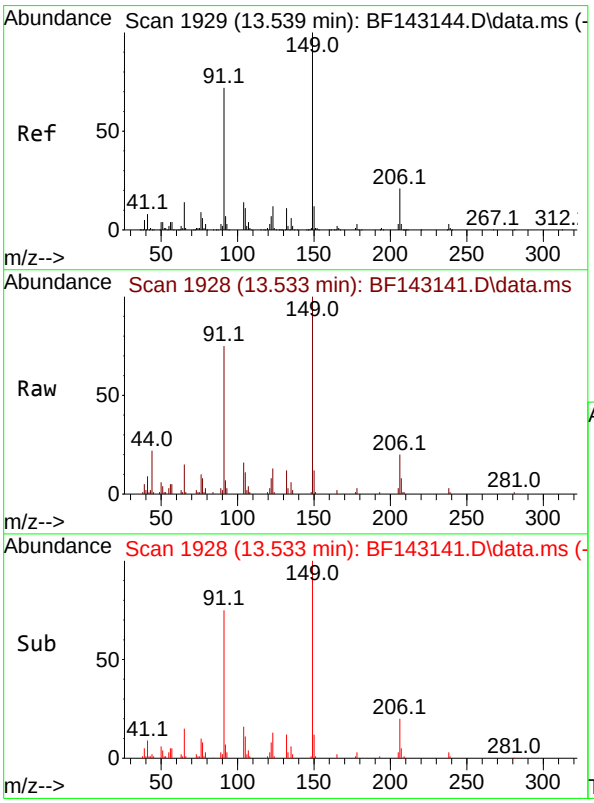
#79
Terphenyl-d14
Concen: 11.656 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

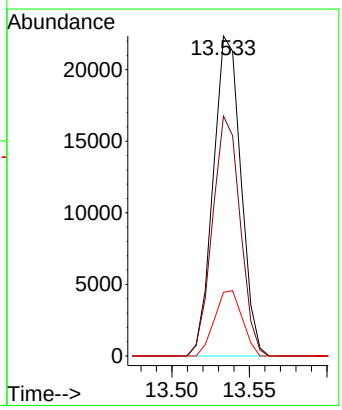


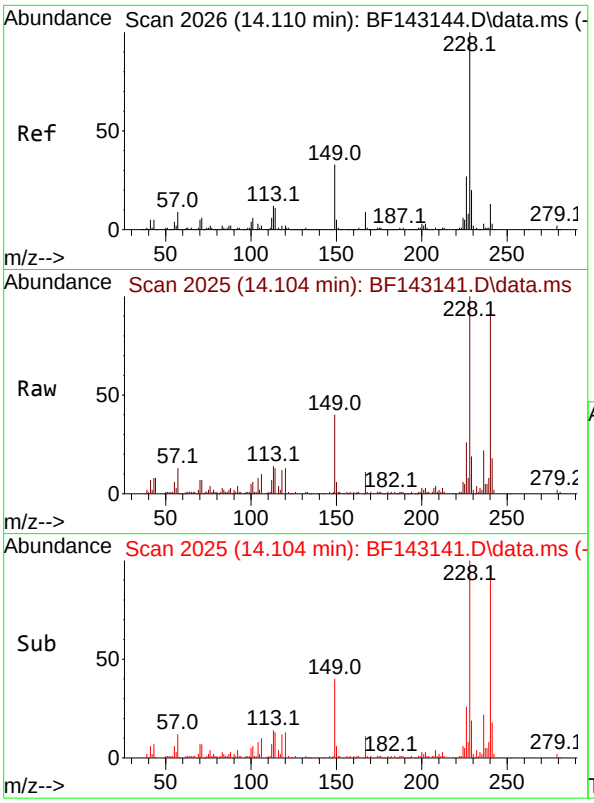


#80
Butylbenzylphthalate
Concen: 4.189 ng
RT: 13.533 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



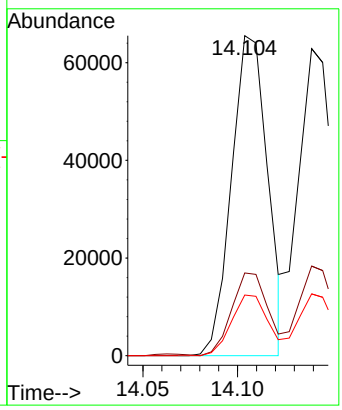


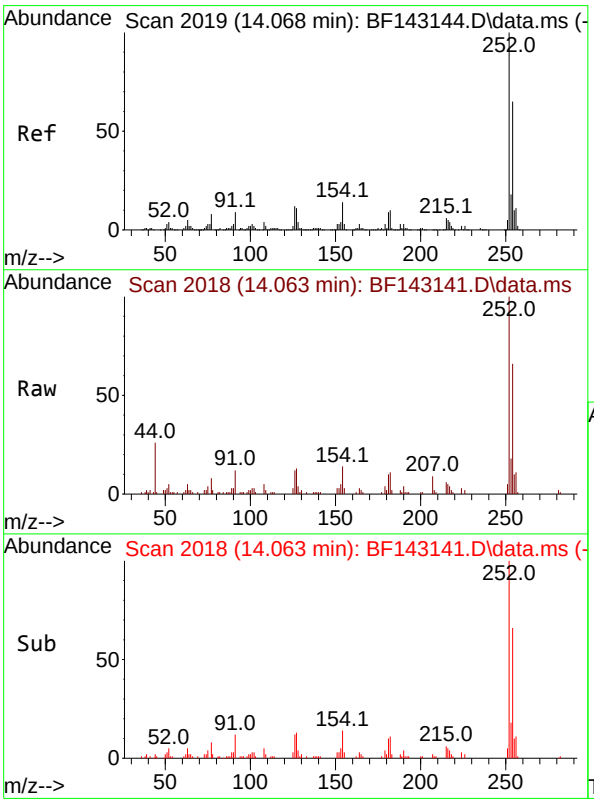
#81
Benzo(a)anthracene
Concen: 5.131 ng
RT: 14.104 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

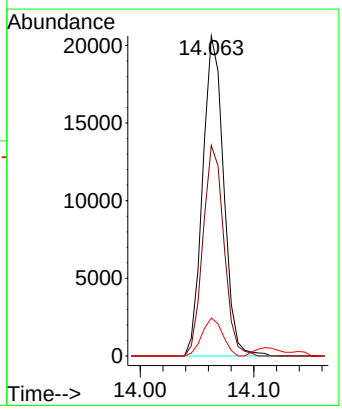


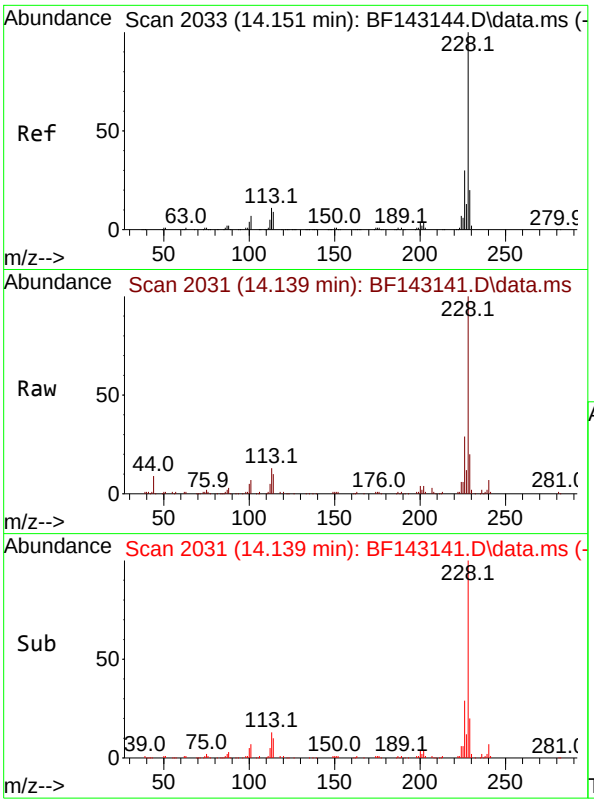


#82
3,3'-Dichlorobenzidine
Concen: 4.675 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



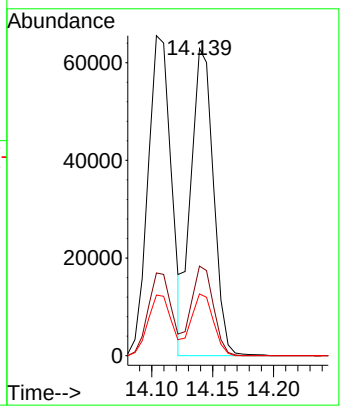


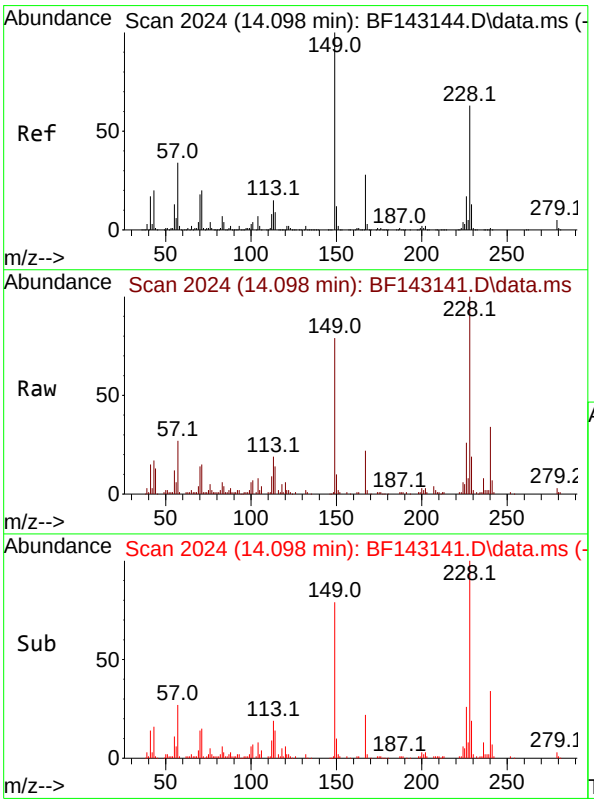
#83
Chrysene
Concen: 5.325 ng
RT: 14.139 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

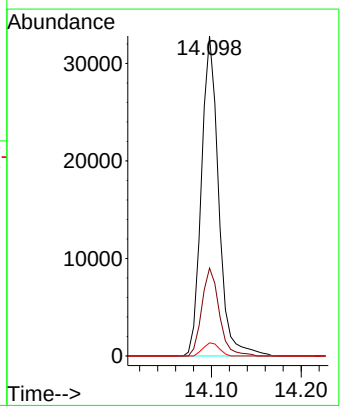


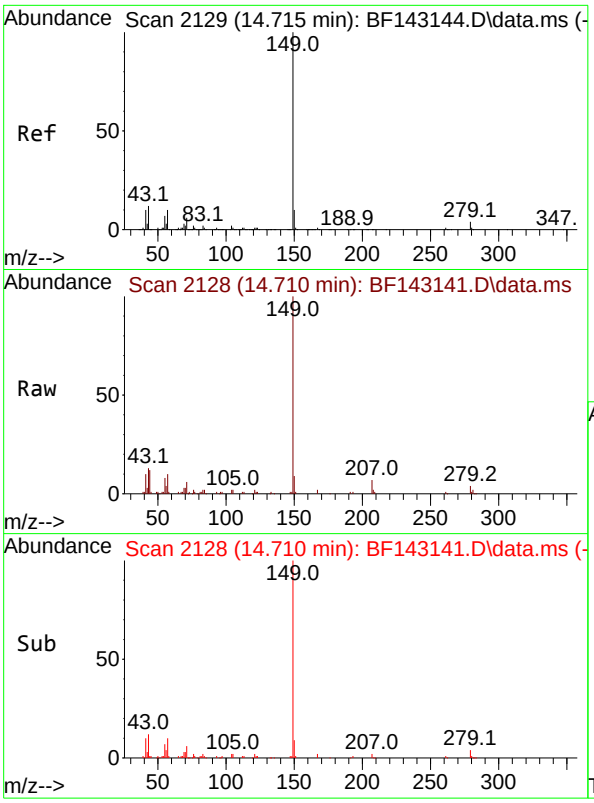


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.370 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



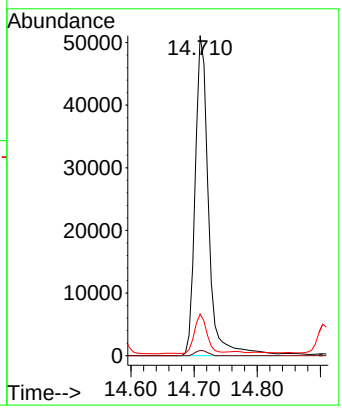


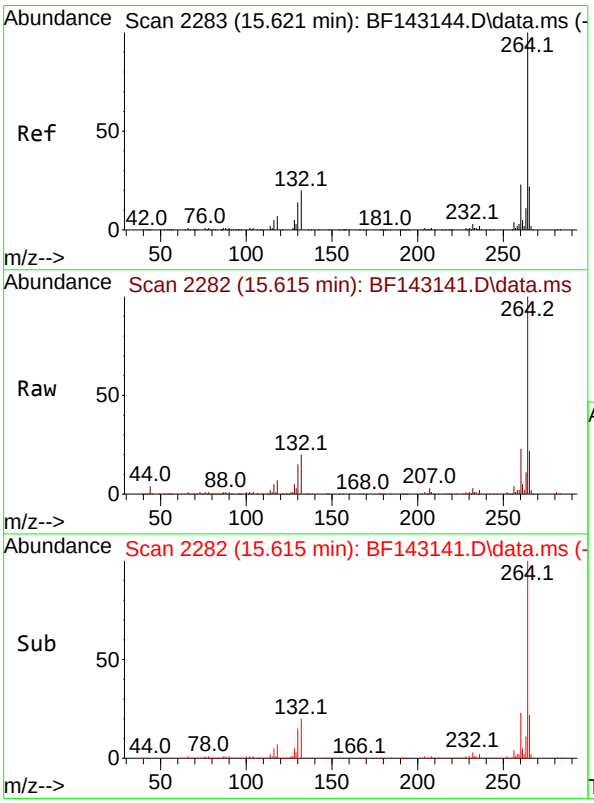
#85
Di-n-octyl phthalate
Concen: 4.147 ng
RT: 14.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

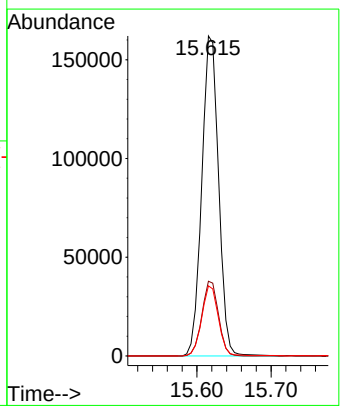


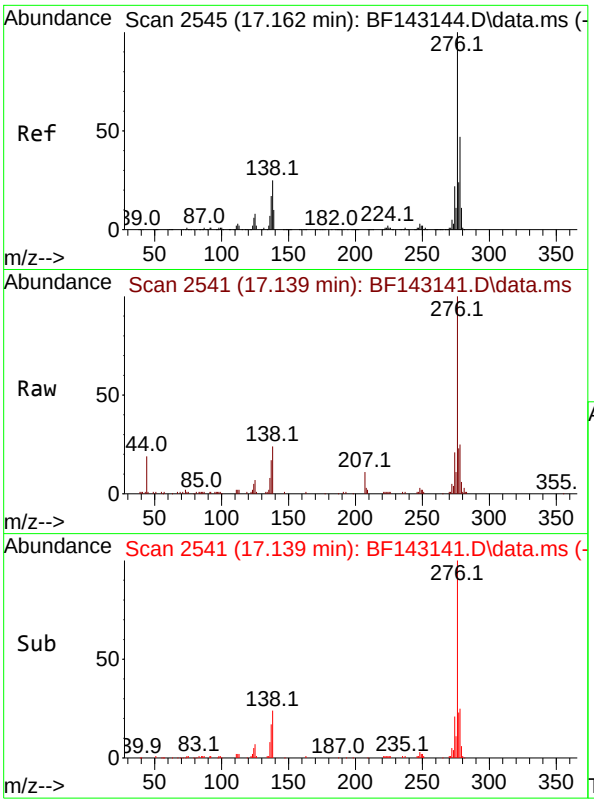


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.615 min Scan# 2282
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



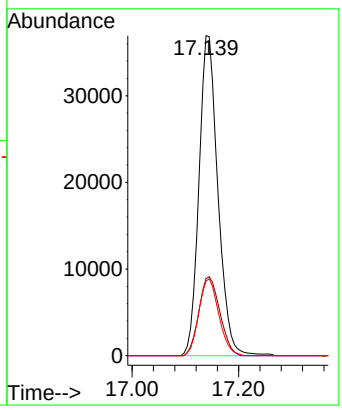


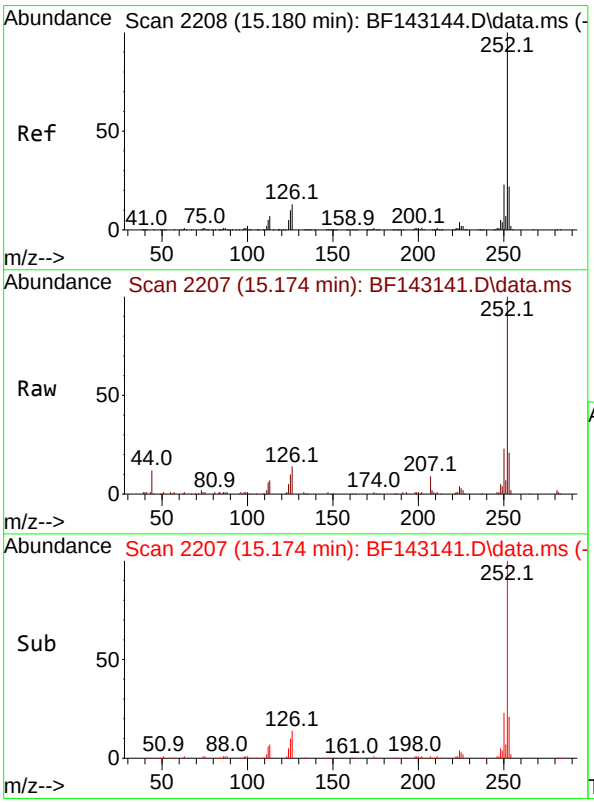
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.047 ng
RT: 17.139 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

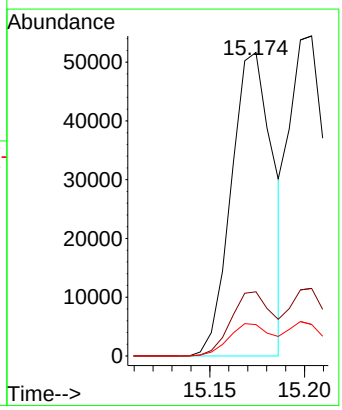


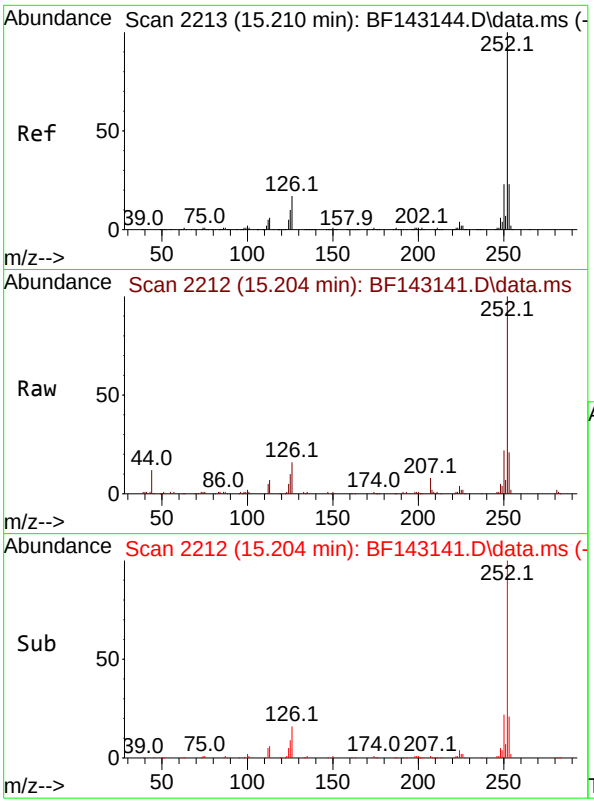


#88
Benzo(b)fluoranthene
Concen: 5.037 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



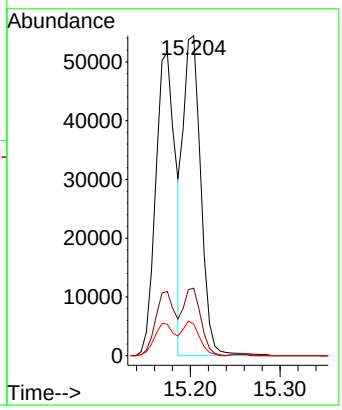


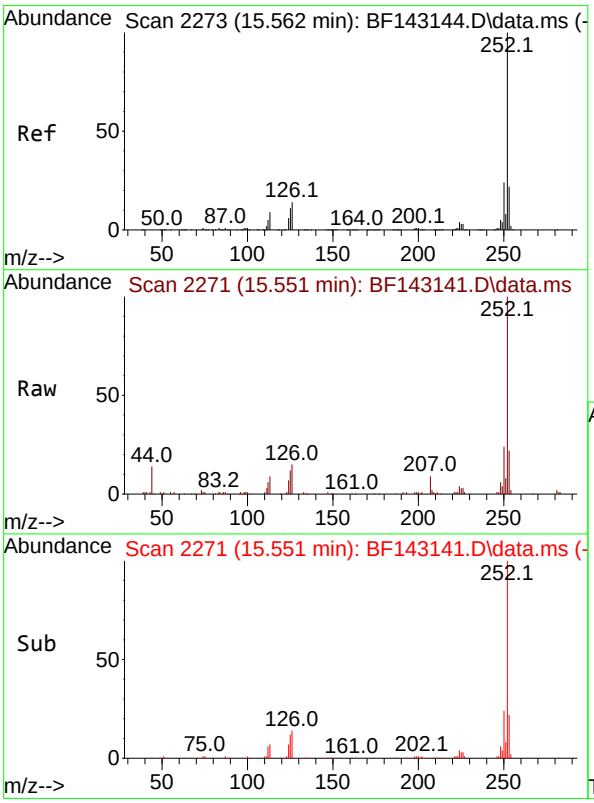
#89
Benzo(k)fluoranthene
Concen: 5.358 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

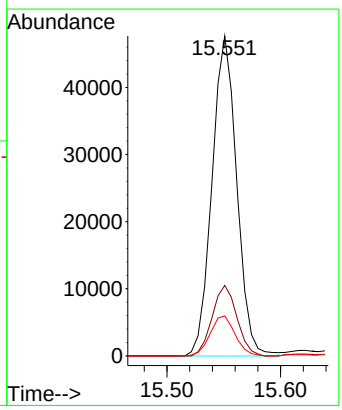


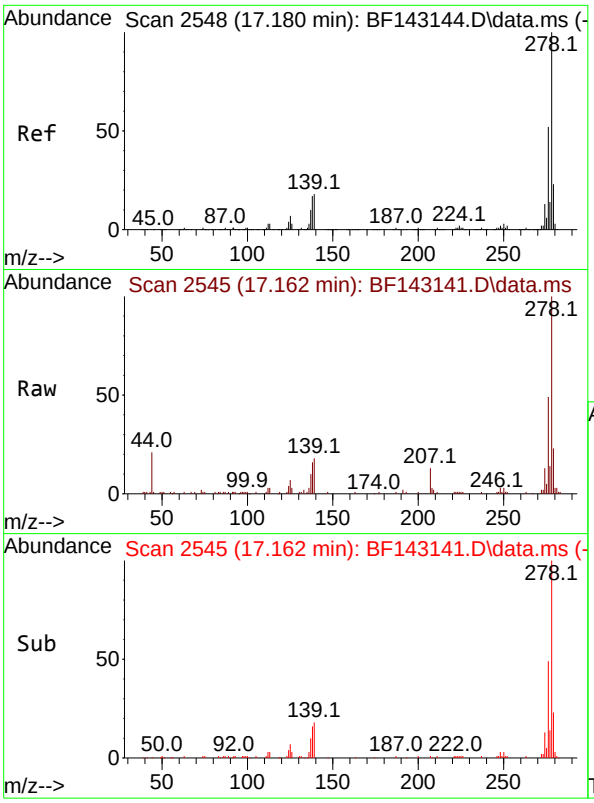


#90
Benzo(a)pyrene
Concen: 5.012 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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



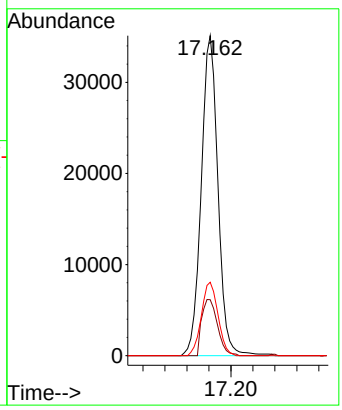


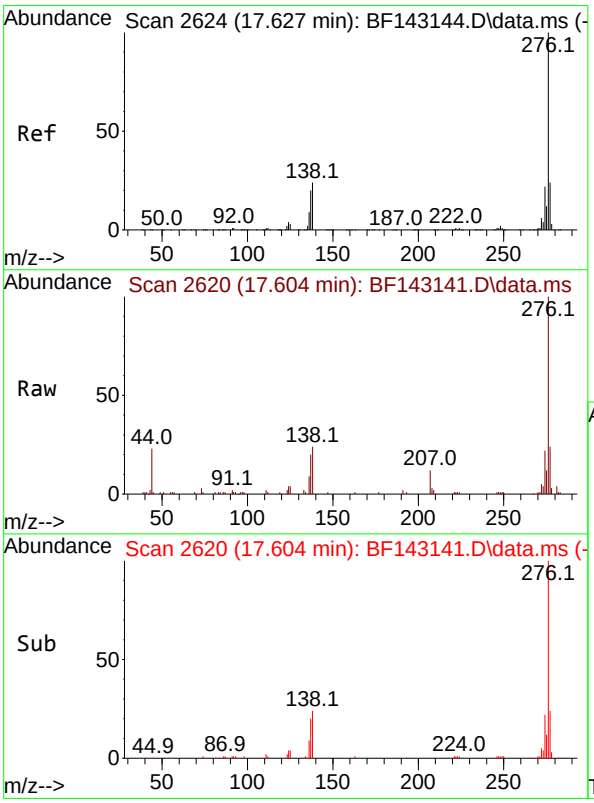
#91
Dibenzo(a,h)anthracene
Concen: 5.047 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

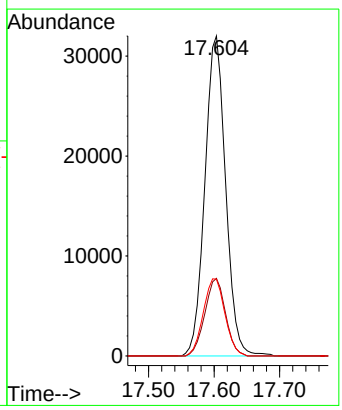




#92
Benzo(g,h,i)perylene
Concen: 4.955 ng
RT: 17.604 min Scan# 2620
Delta R.T. -0.023 min
Lab File: BF143141.D
Acq: 17 Jul 2025 11:34

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

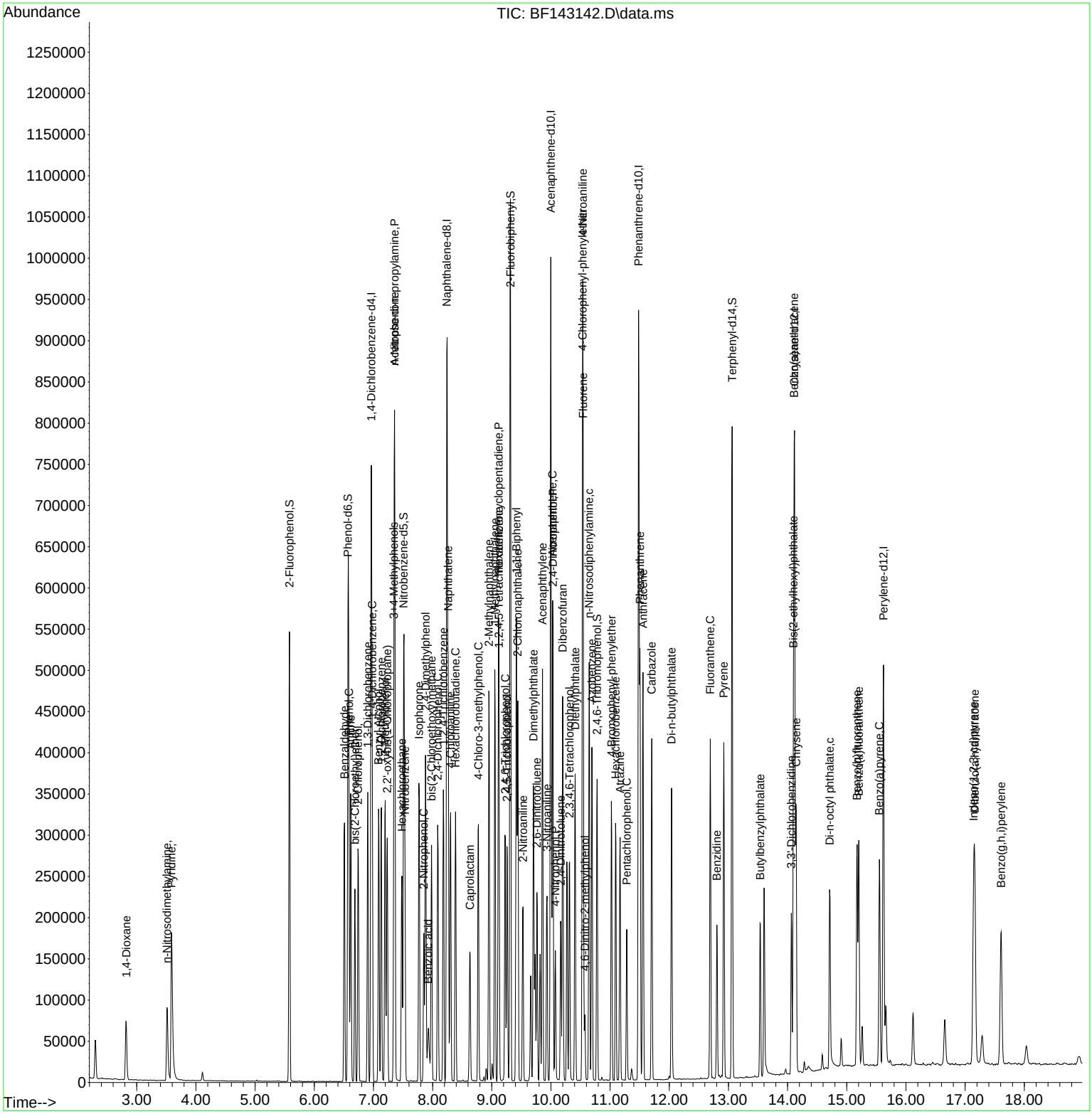
(#) = qualifier out of range (m) = manual integration (+) = signals summed

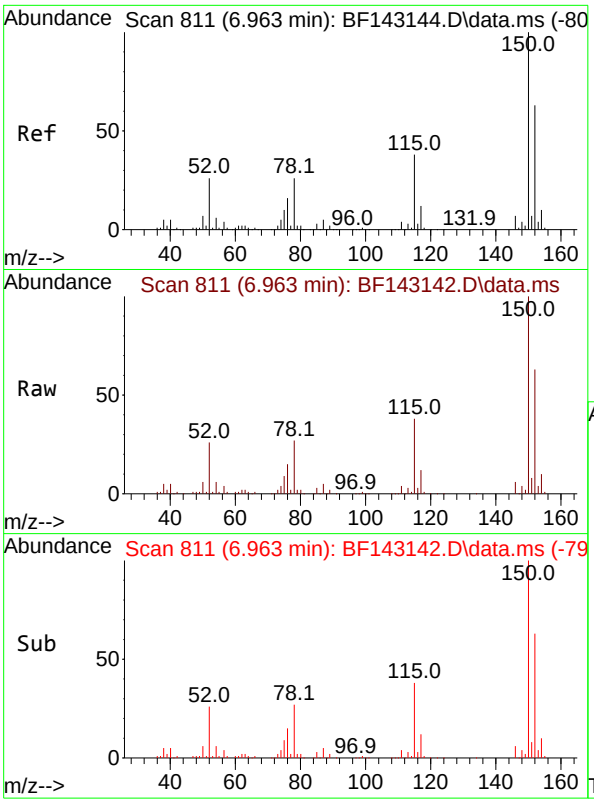
Quantitation Report (Not Reviewed)

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



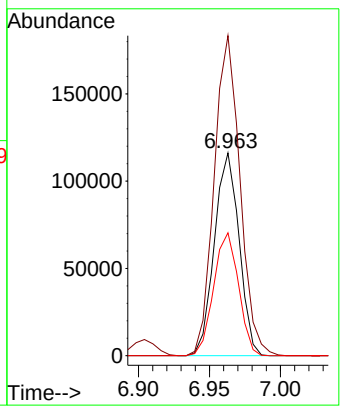


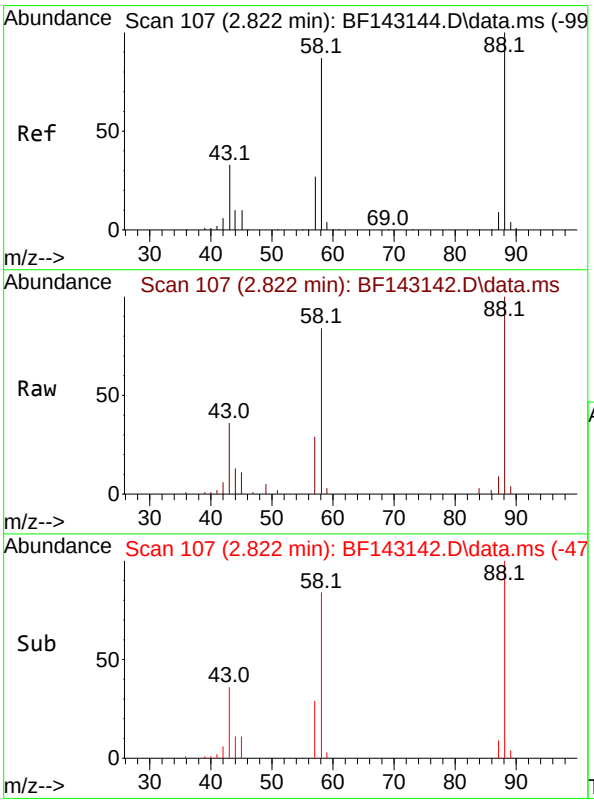
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

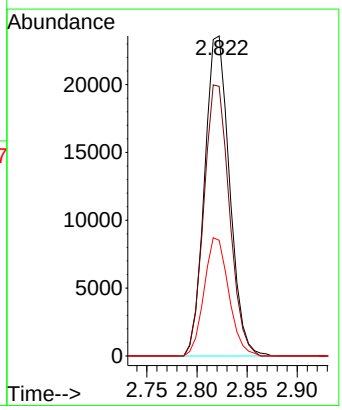


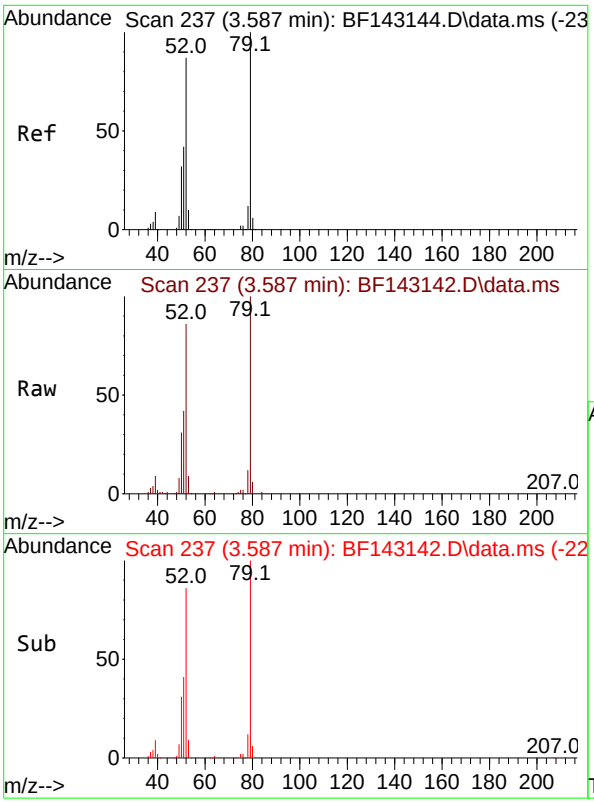


#2
1,4-Dioxane
Concen: 9.732 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



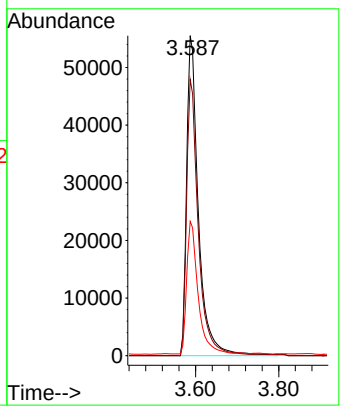


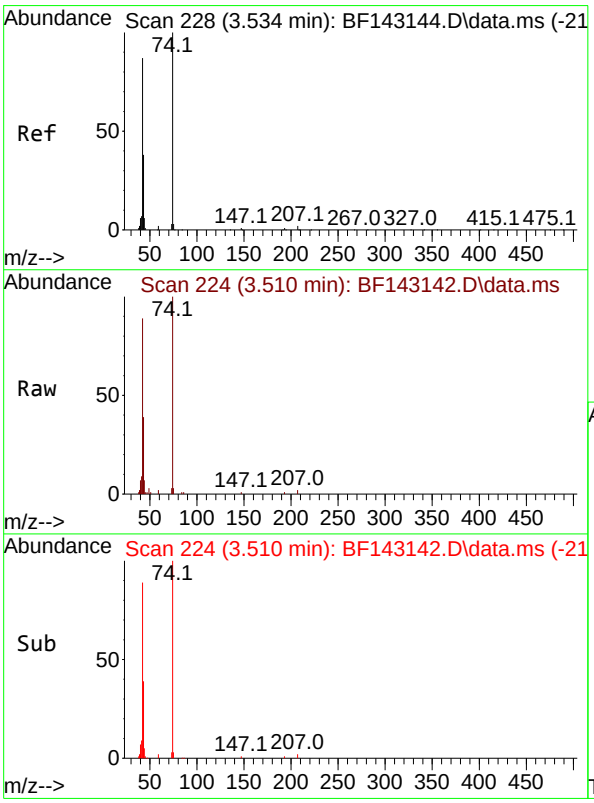
#3
Pyridine
Concen: 10.032 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

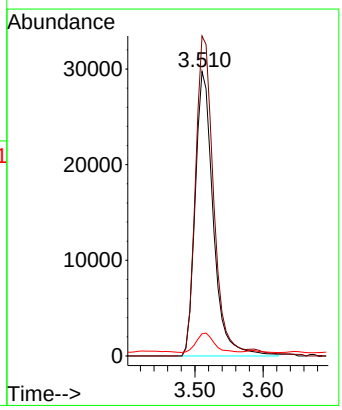


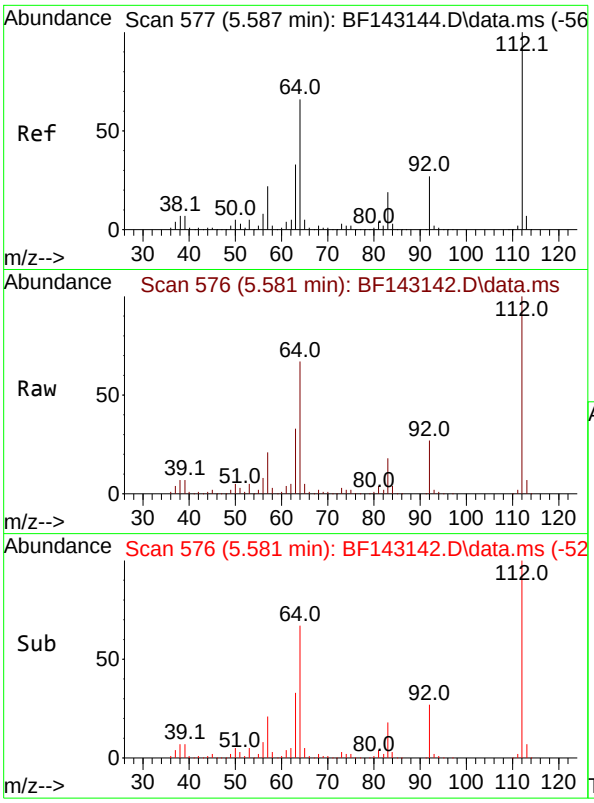


#4
n-Nitrosodimethylamine
Concen: 9.684 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



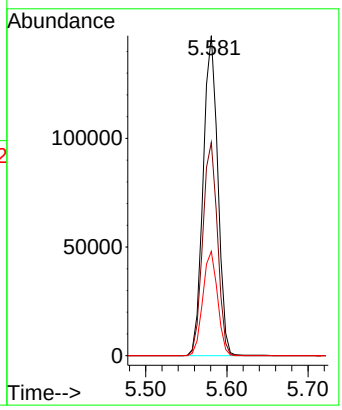


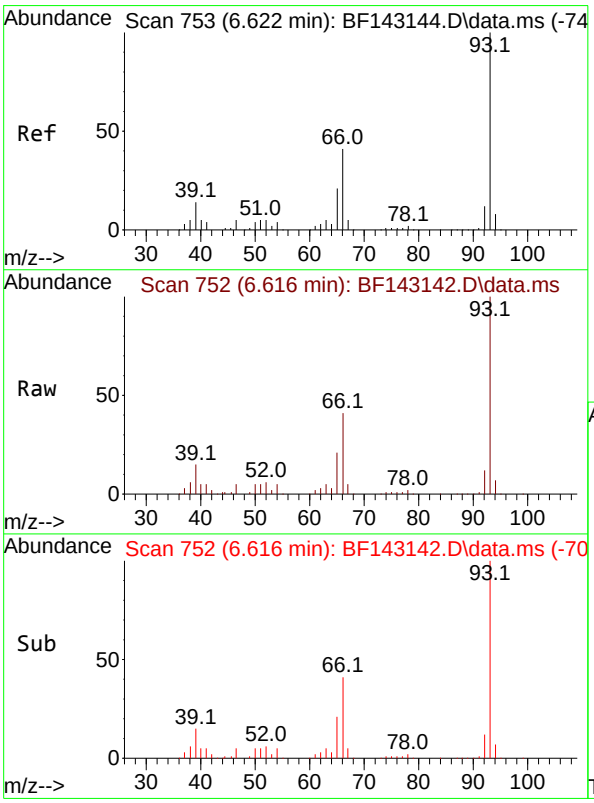
#5
2-Fluorophenol
Concen: 20.778 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

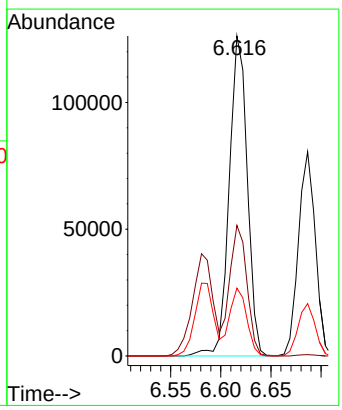


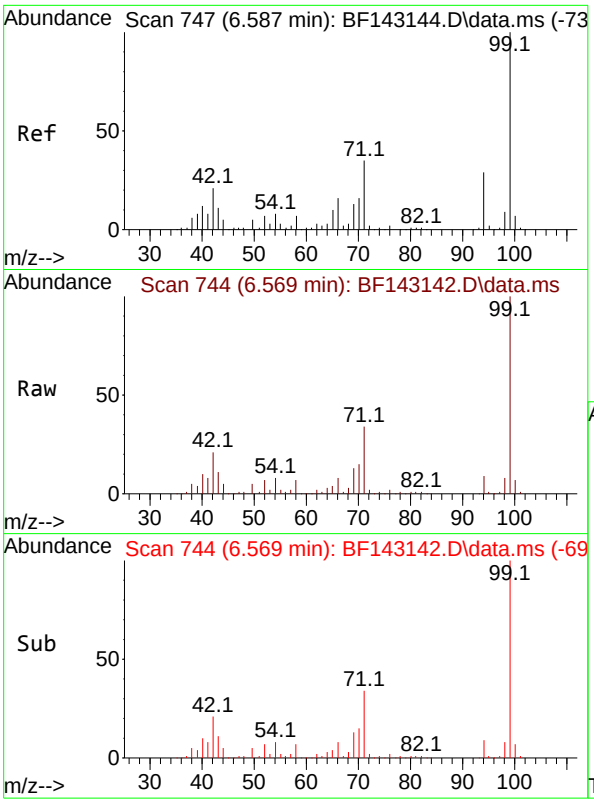


#6
Aniline
Concen: 10.188 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



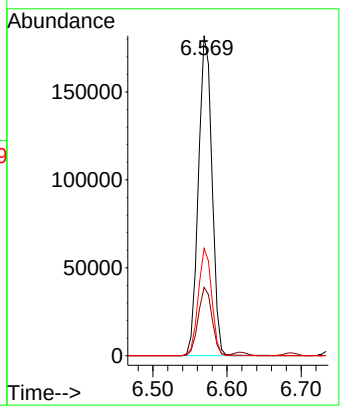


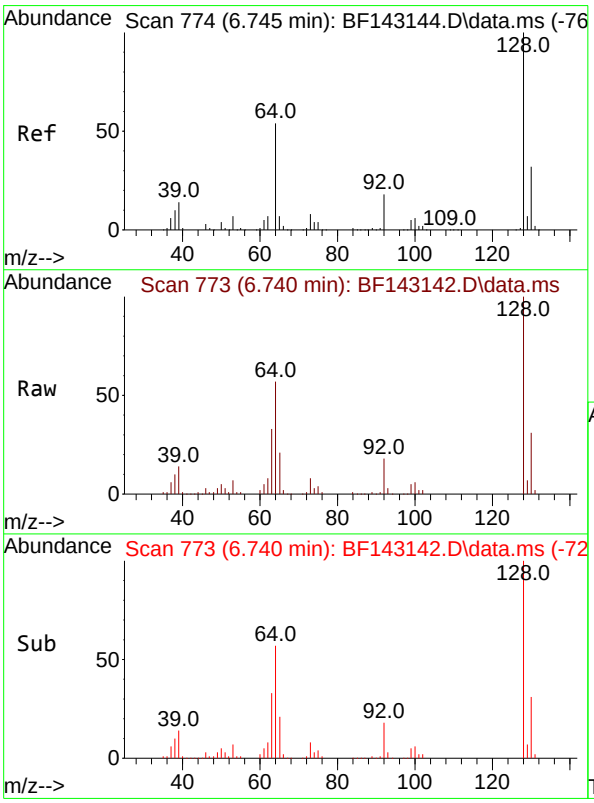
#7
Phenol-d6
Concen: 20.613 ng
RT: 6.569 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

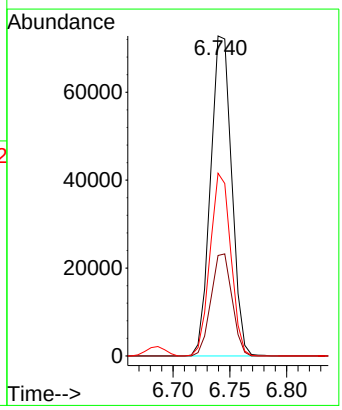


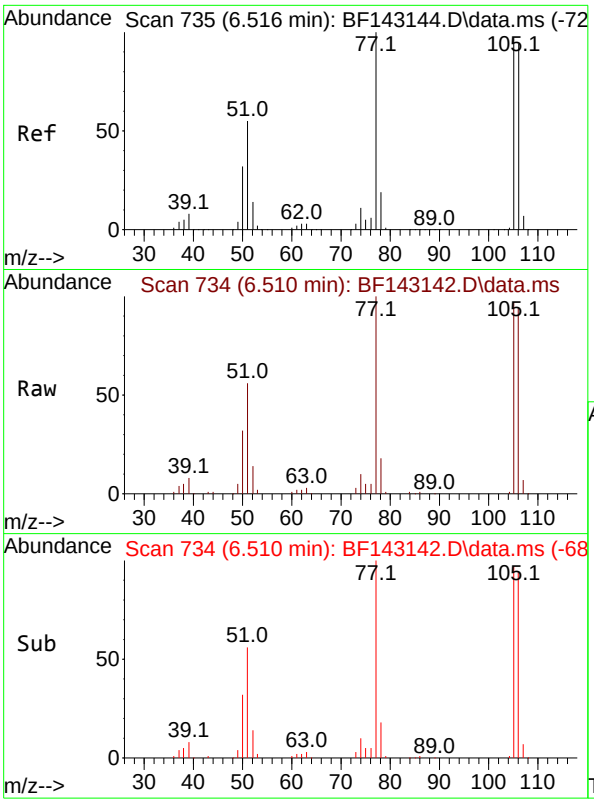


#8
2-Chlorophenol
Concen: 10.135 ng
RT: 6.740 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



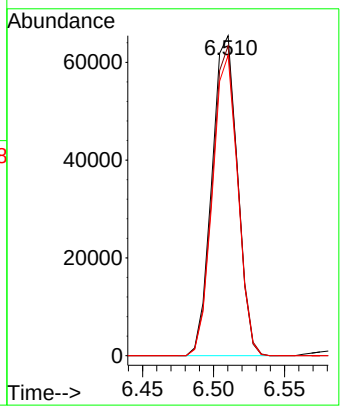


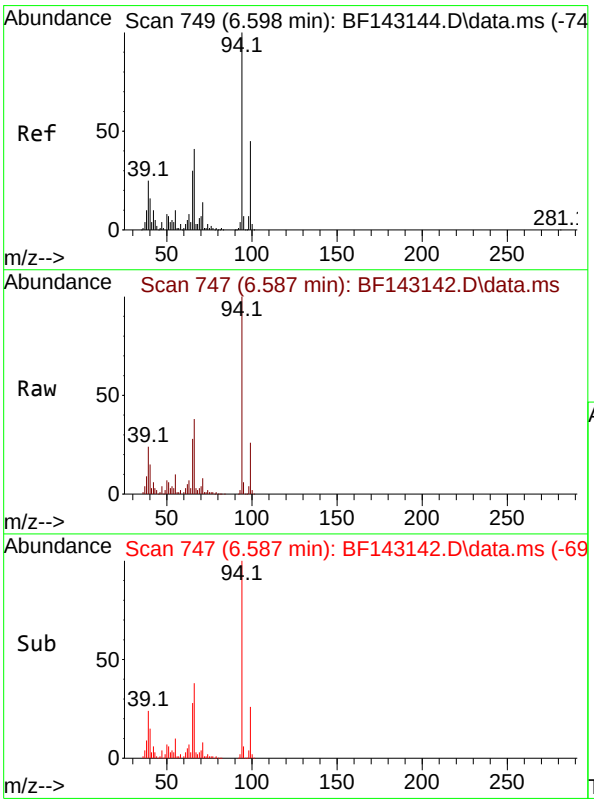
#9
Benzaldehyde
Concen: 9.779 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

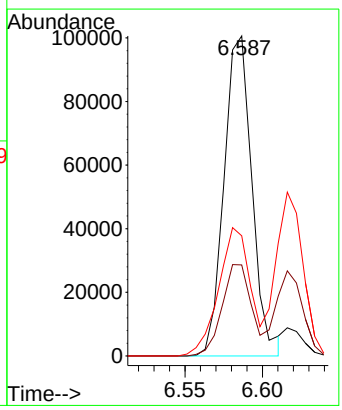


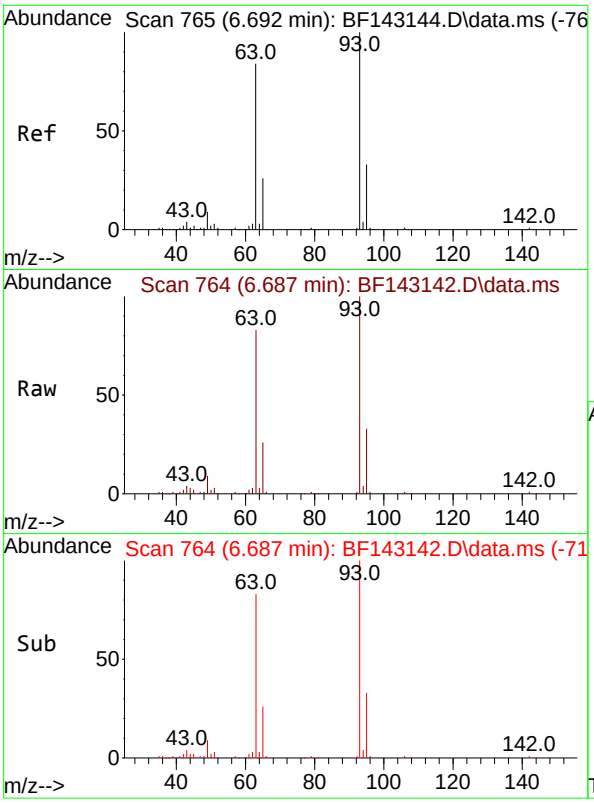


#10
Phenol
Concen: 10.380 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



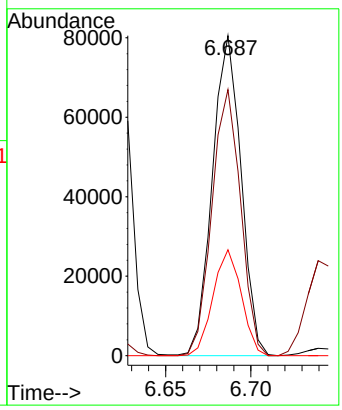


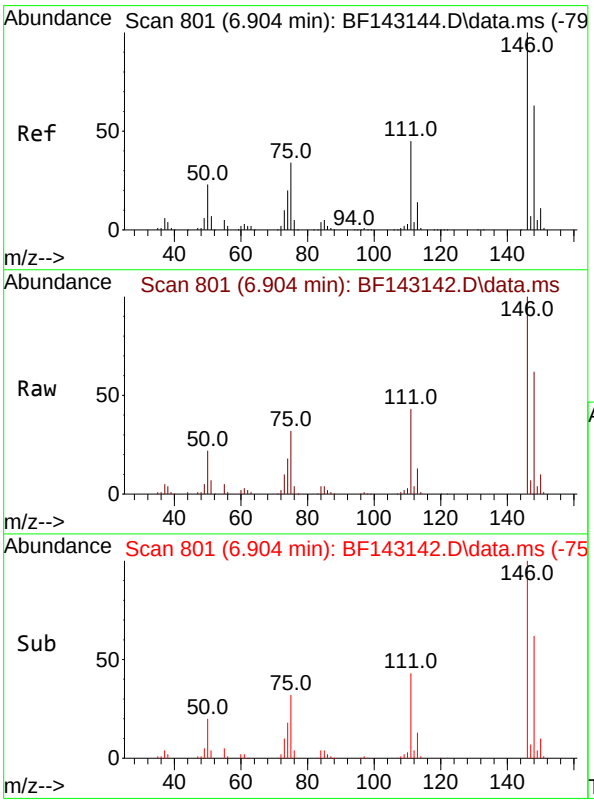
#11
bis(2-Chloroethyl)ether
Concen: 10.119 ng
RT: 6.687 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

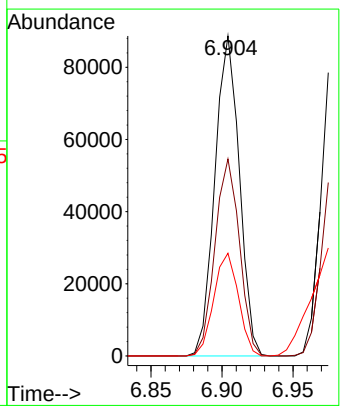


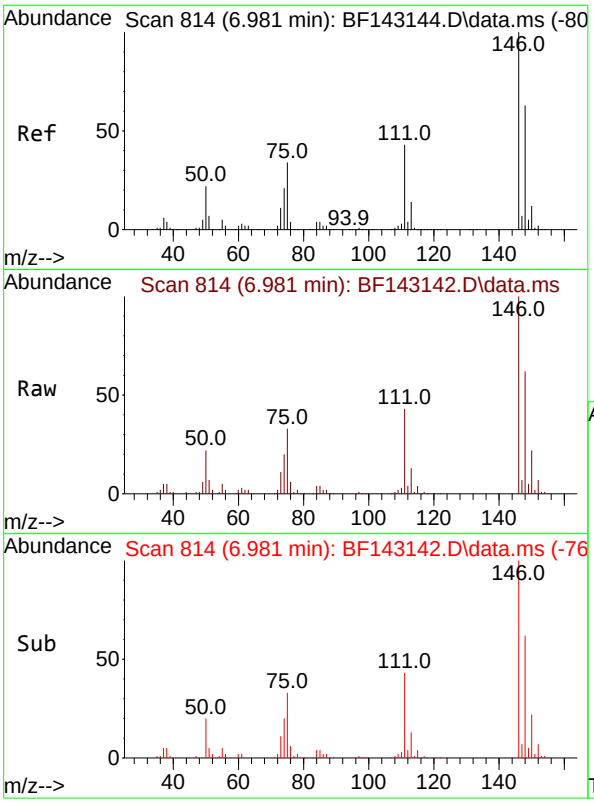


#12
1,3-Dichlorobenzene
Concen: 10.514 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



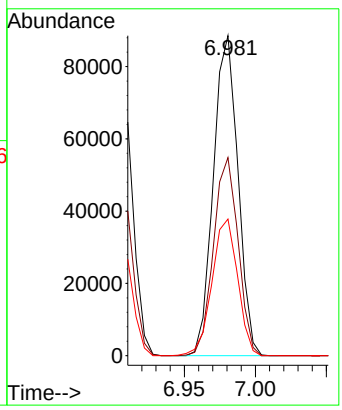


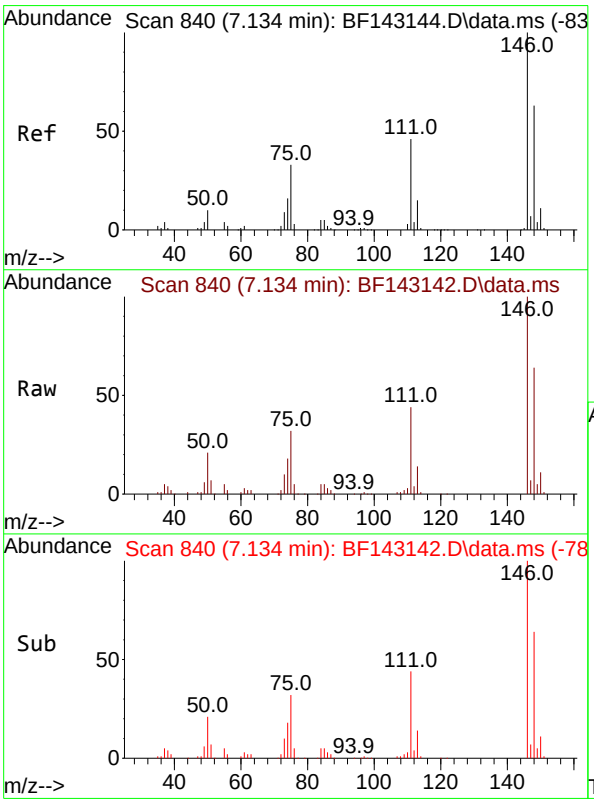
#13
1,4-Dichlorobenzene
Concen: 10.475 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

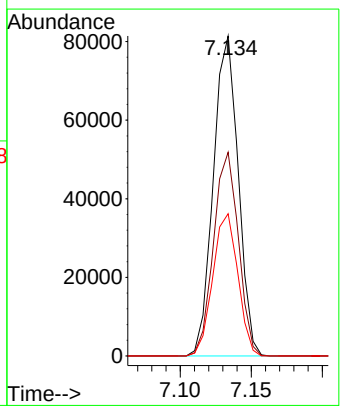


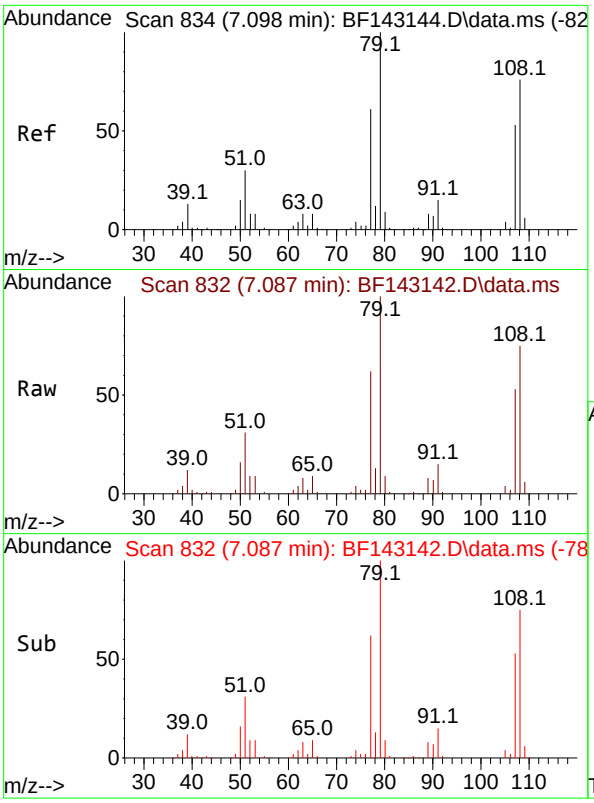


#14
1,2-Dichlorobenzene
Concen: 10.253 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



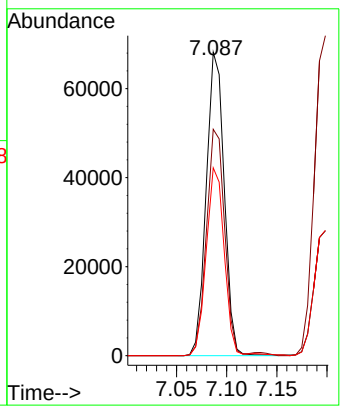


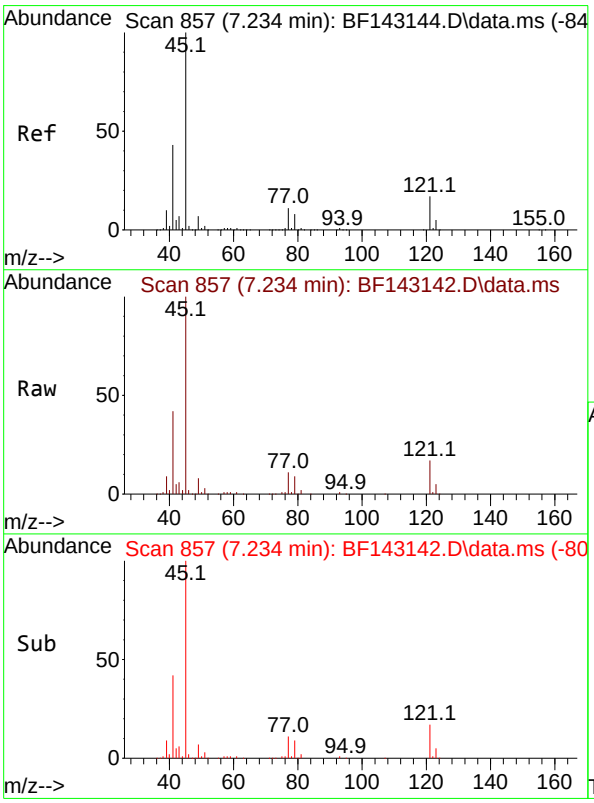
#15
Benzyl Alcohol
Concen: 9.996 ng
RT: 7.087 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

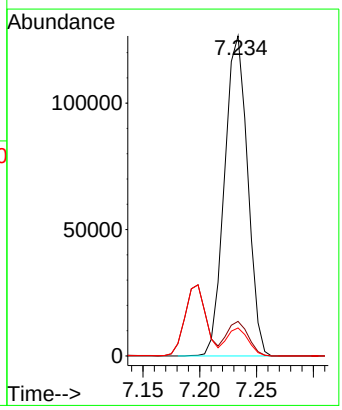


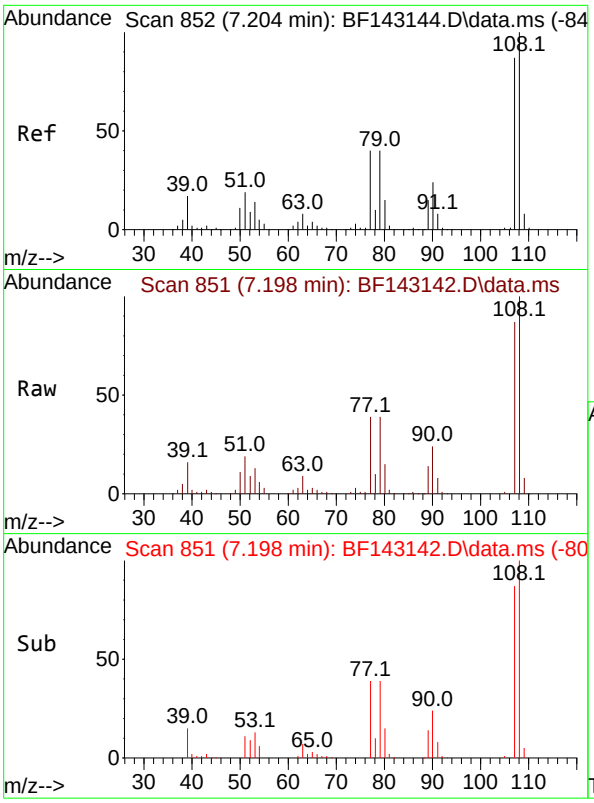


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.371 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



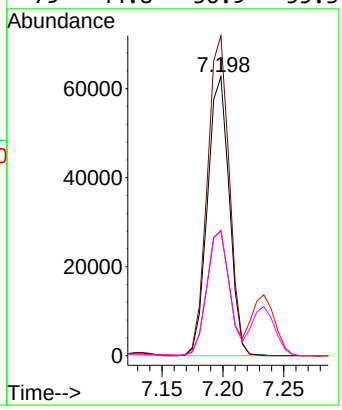


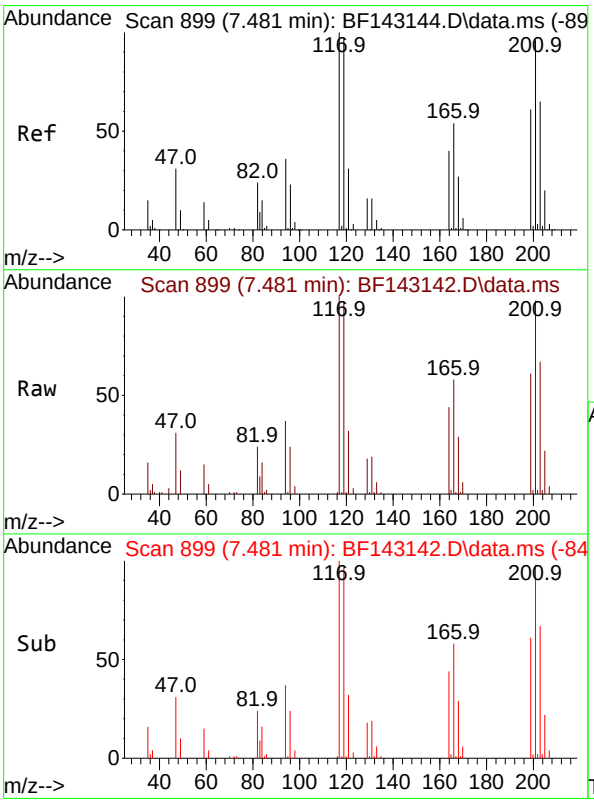
#17
2-Methylphenol
Concen: 9.974 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

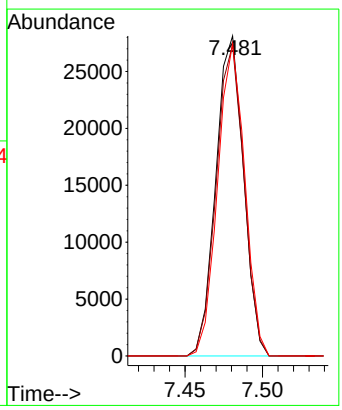


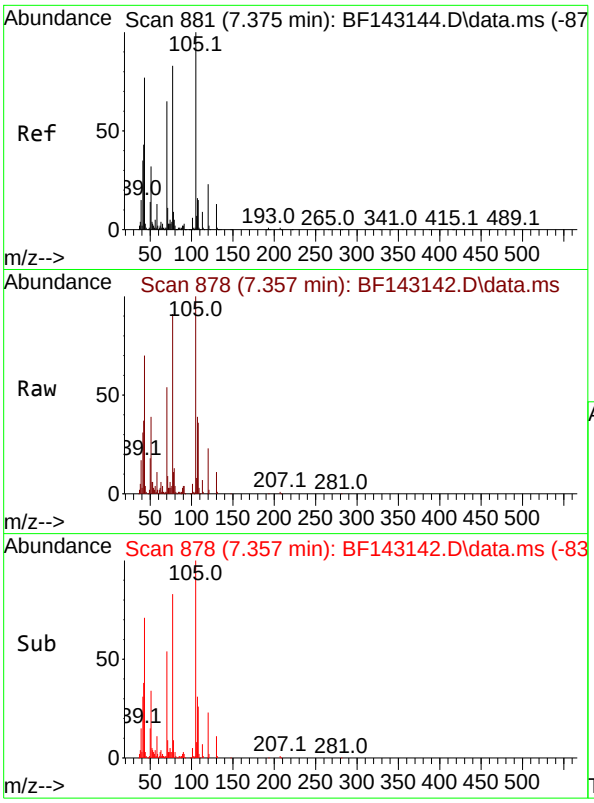


#18
Hexachloroethane
Concen: 9.932 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



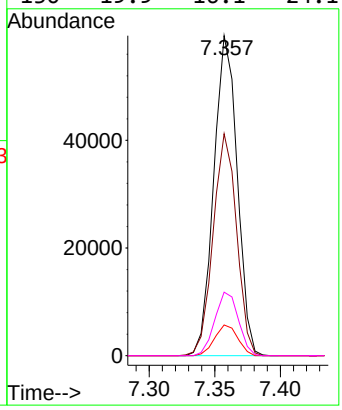


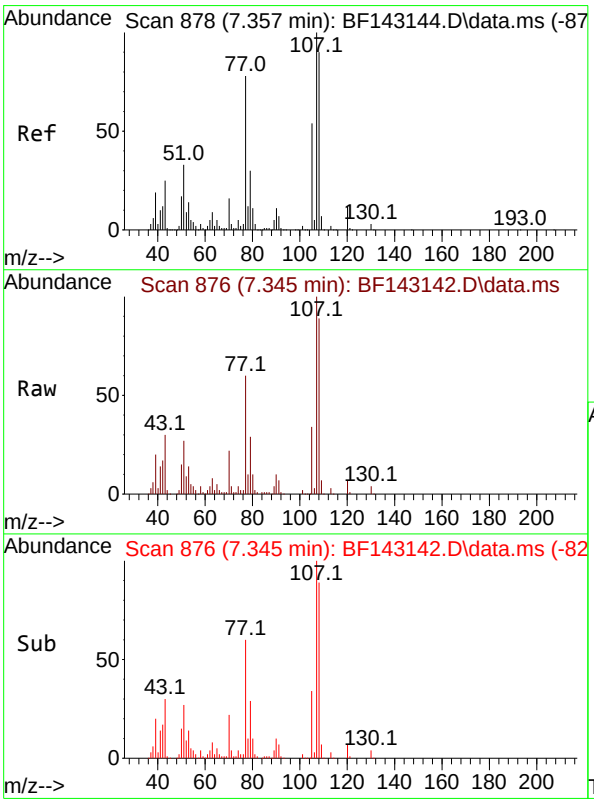
#19
n-Nitroso-di-n-propylamine
Concen: 10.302 ng
RT: 7.357 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

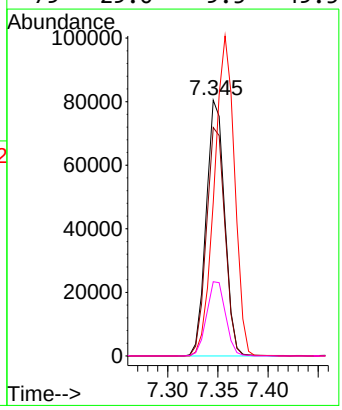


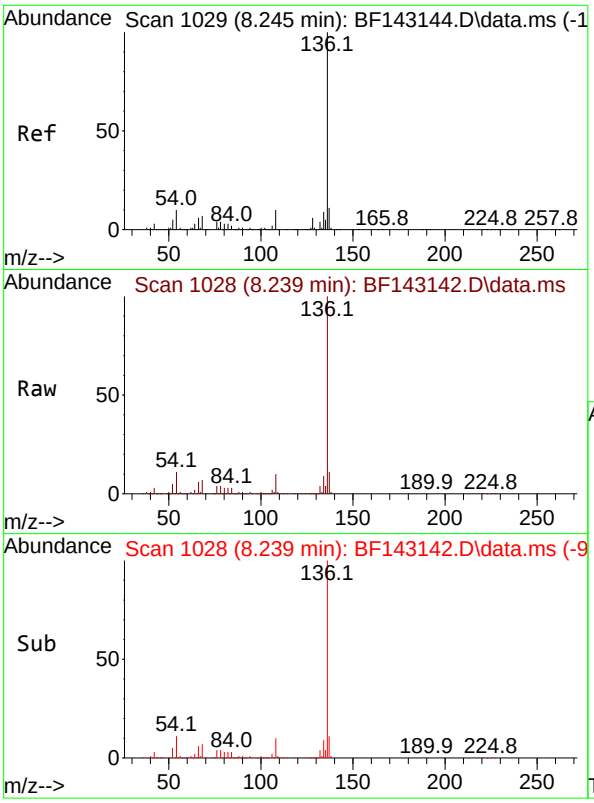


#20
3+4-Methylphenols
Concen: 10.858 ng
RT: 7.345 min Scan# 876
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



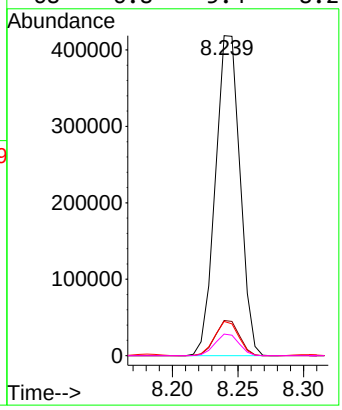


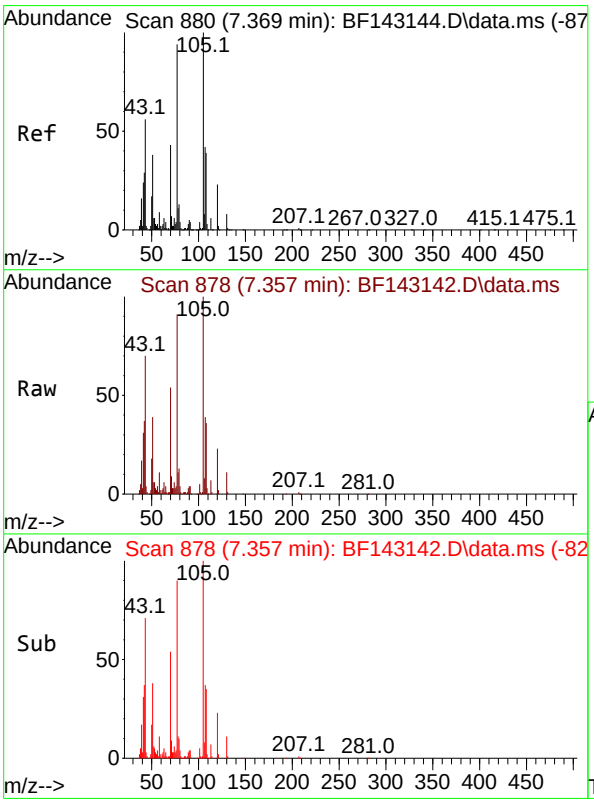
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

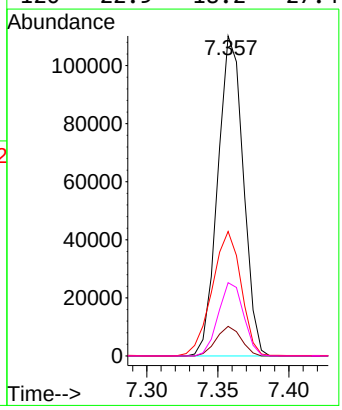


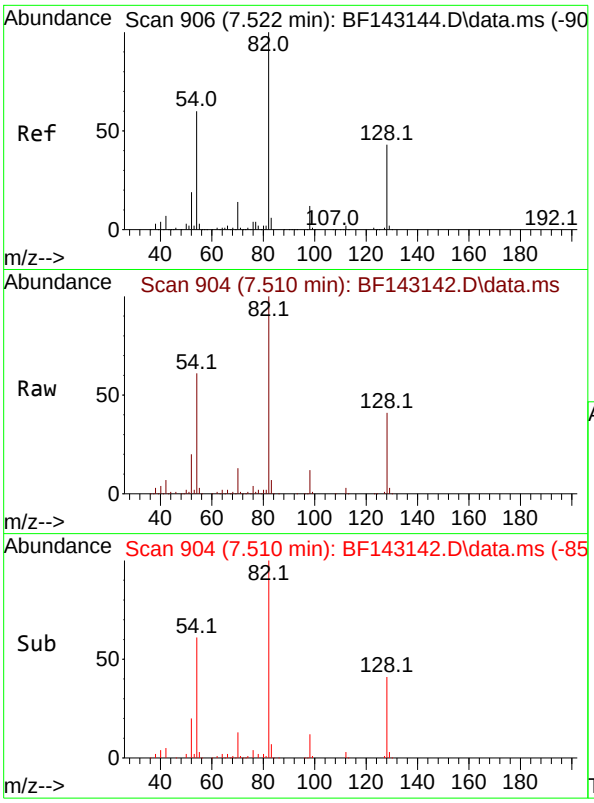


#22
Acetophenone
Concen: 10.645 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



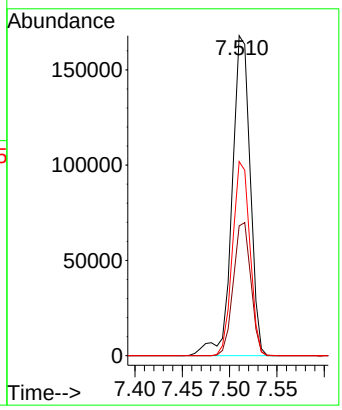


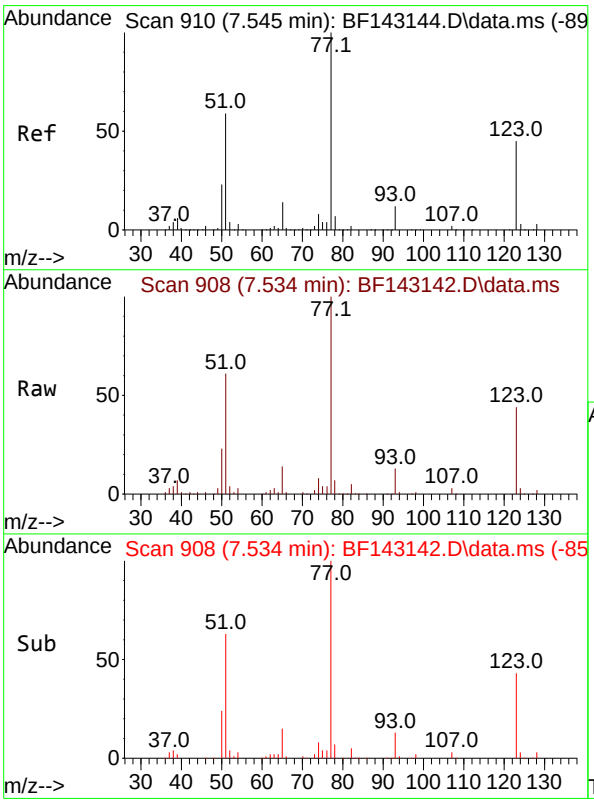
#23
Nitrobenzene-d5
Concen: 20.396 ng
RT: 7.510 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

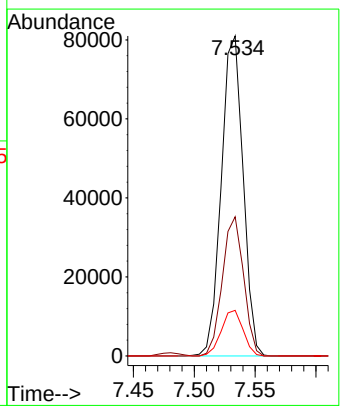


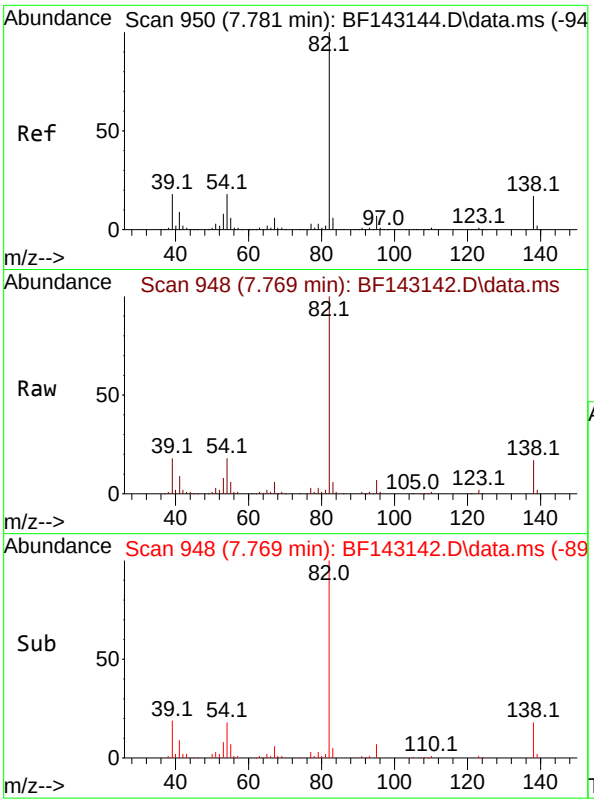


#24
Nitrobenzene
Concen: 9.879 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



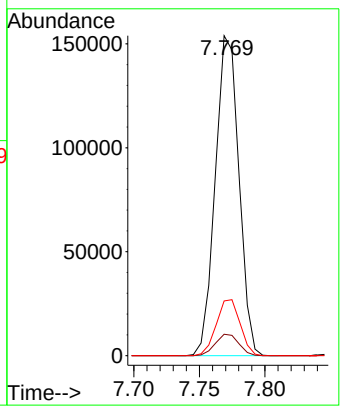


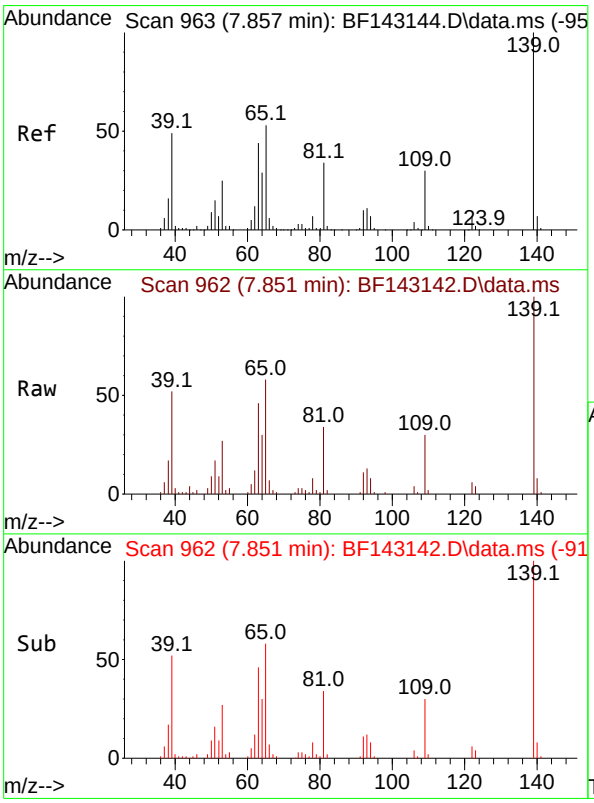
#25
Isophorone
Concen: 9.981 ng
RT: 7.769 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

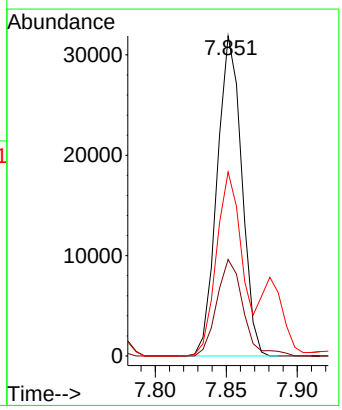


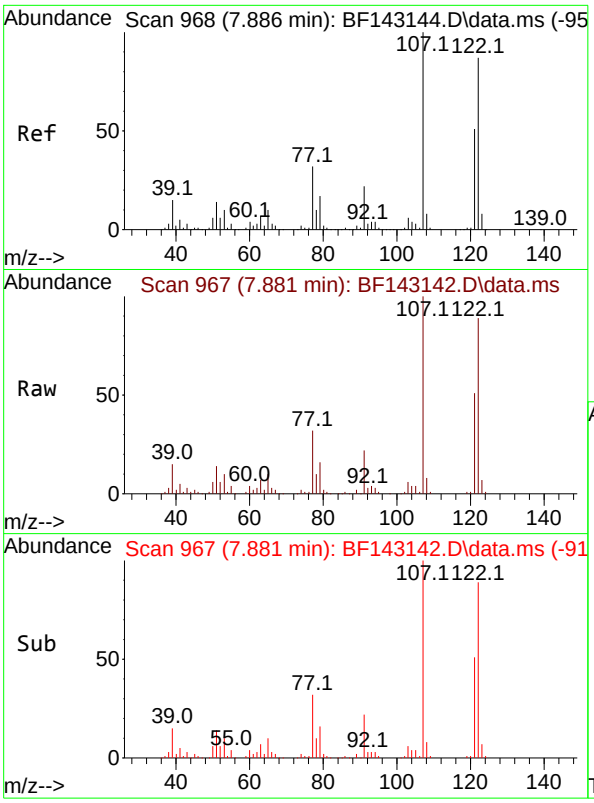


#26
2-Nitrophenol
Concen: 8.680 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



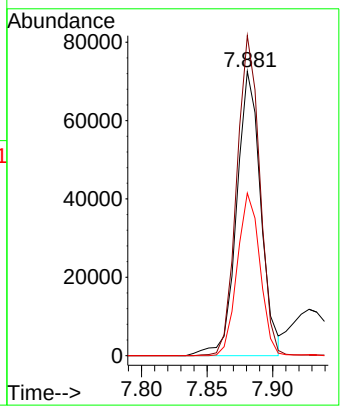


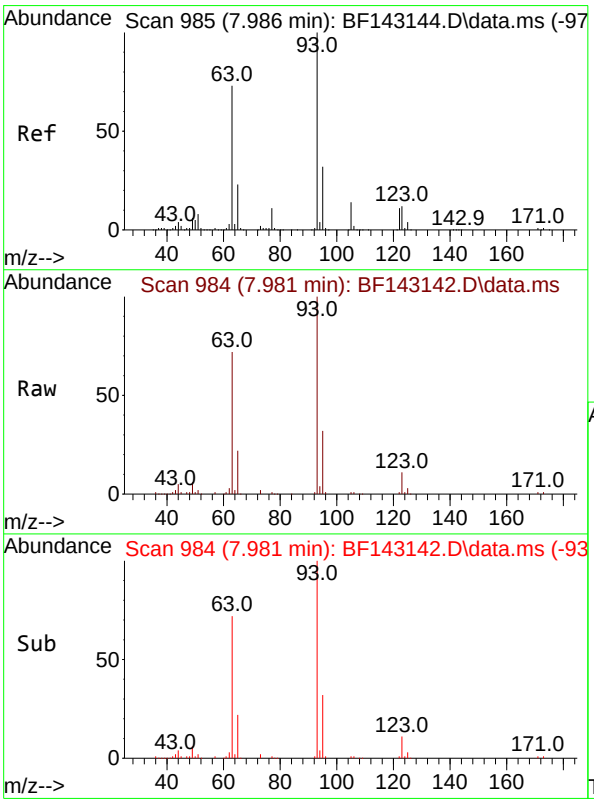
#27
2,4-Dimethylphenol
Concen: 10.269 ng
RT: 7.881 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

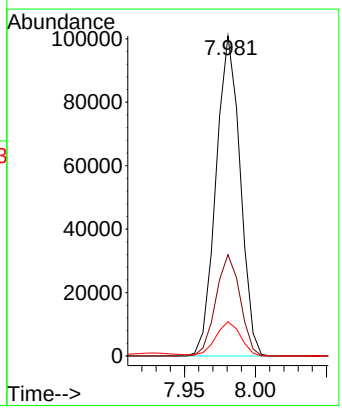


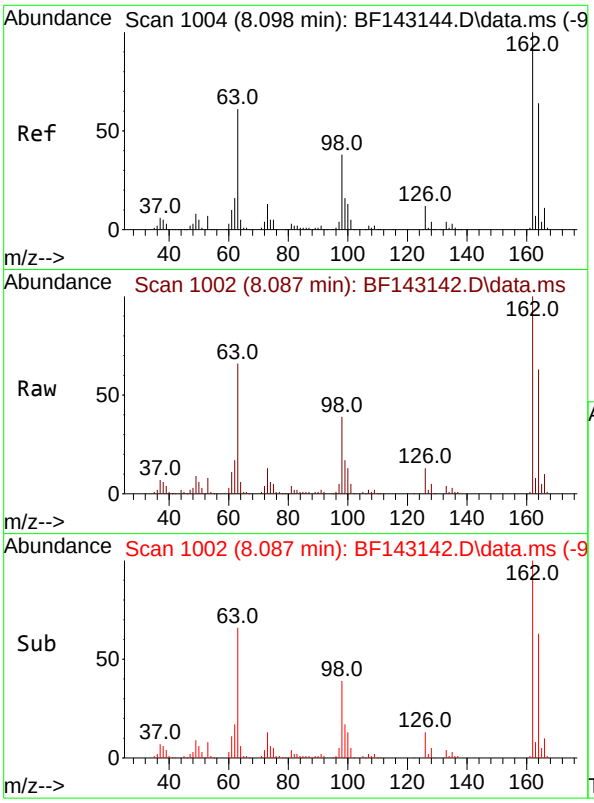


#28
bis(2-Chloroethoxy)methane
Concen: 10.297 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



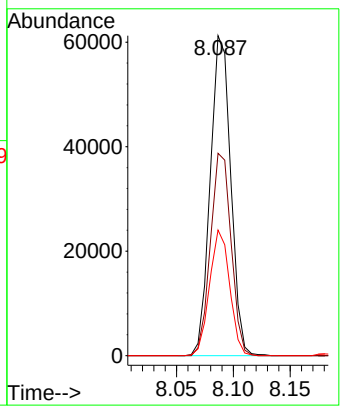


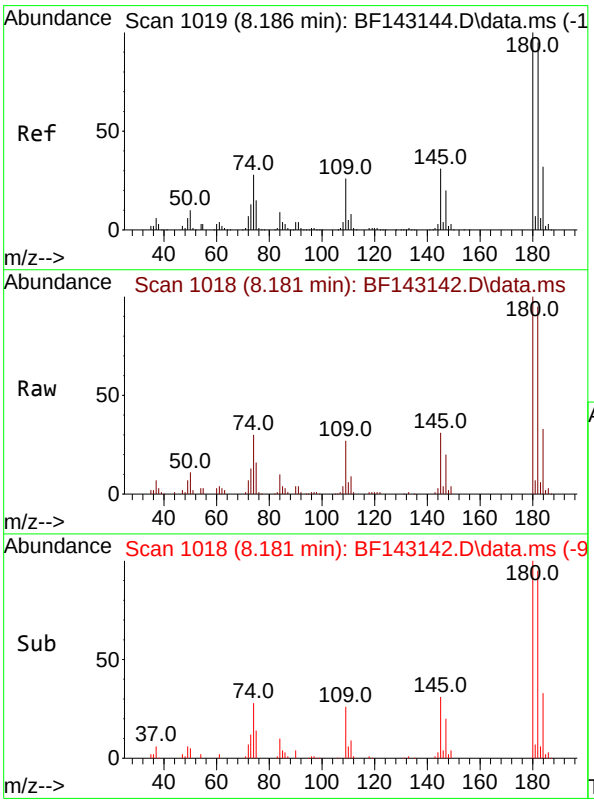
#29
2,4-Dichlorophenol
Concen: 10.091 ng
RT: 8.087 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

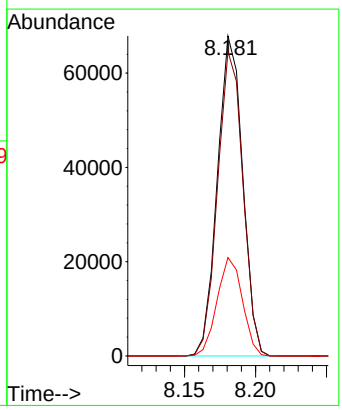


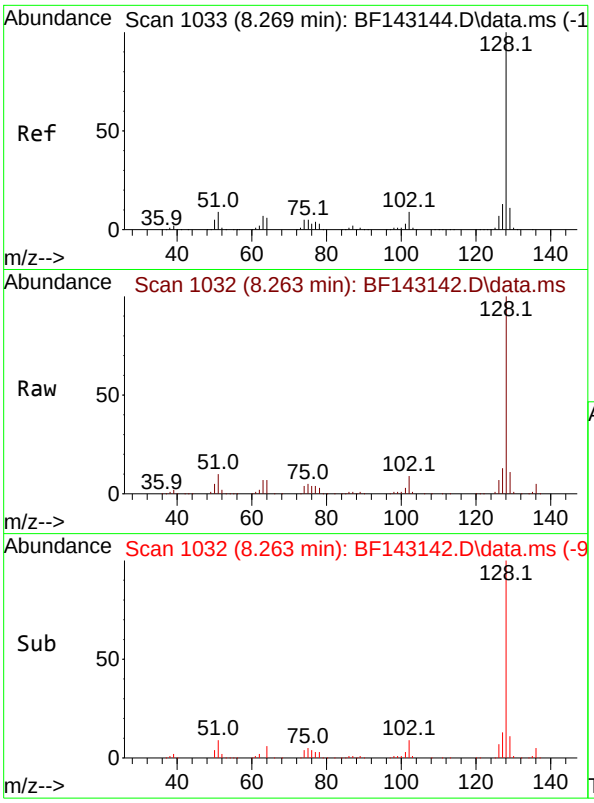


#30
1,2,4-Trichlorobenzene
Concen: 10.191 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



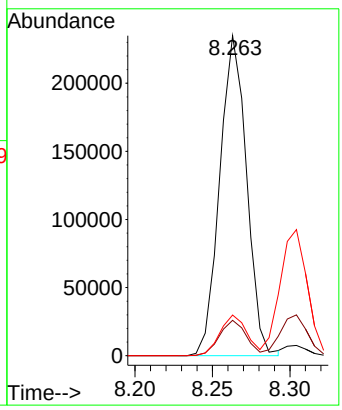


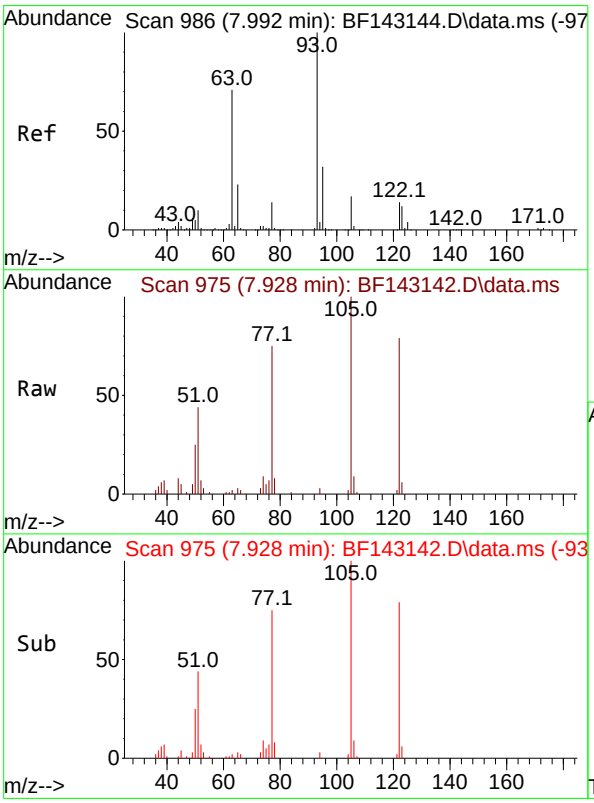
#31
Naphthalene
Concen: 10.534 ng
RT: 8.263 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

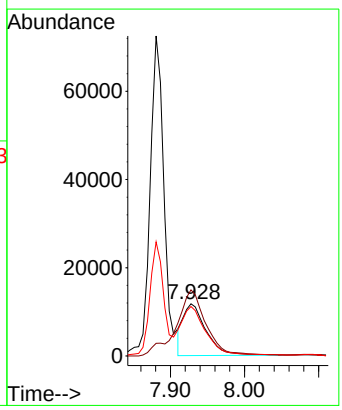


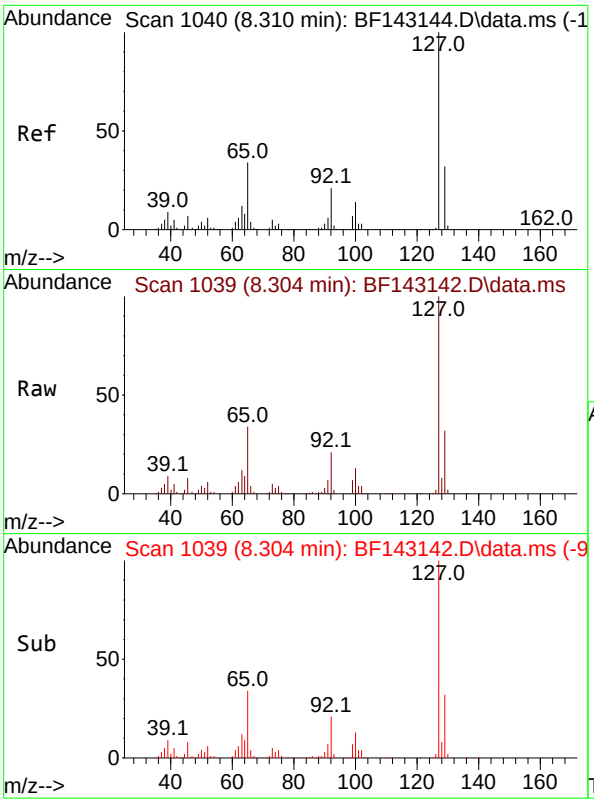


#32
Benzoic acid
Concen: 9.564 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.064 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



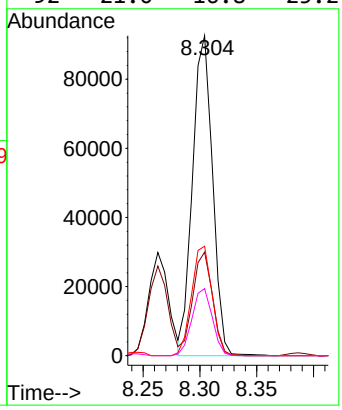


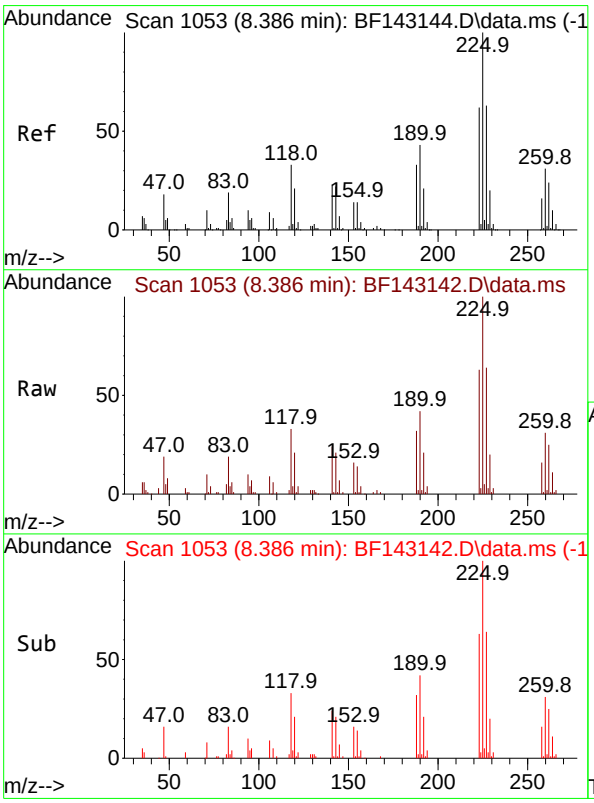
#33
4-Chloroaniline
Concen: 10.369 ng
RT: 8.304 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

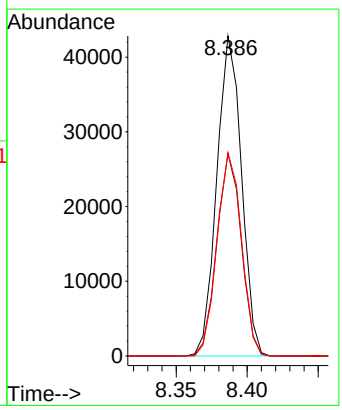


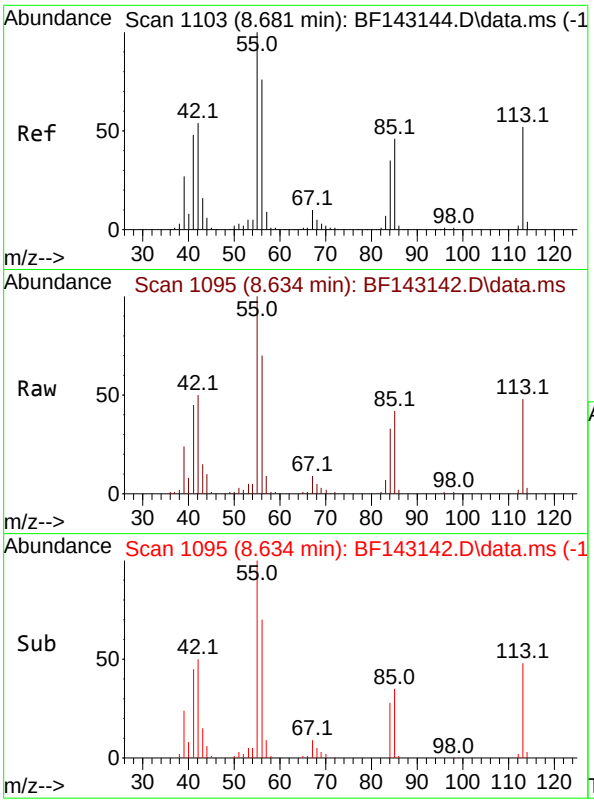


#34
Hexachlorobutadiene
Concen: 10.290 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



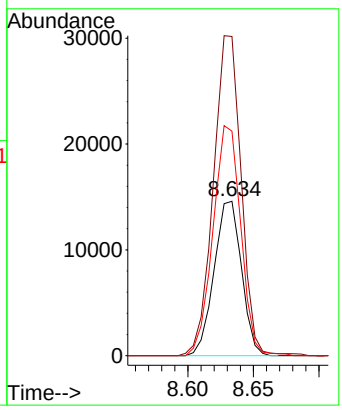


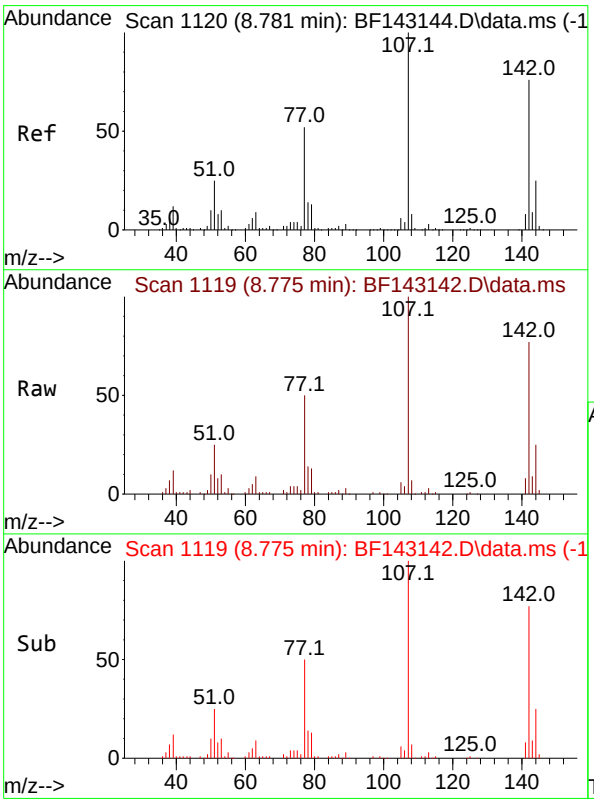
#35
Caprolactam
Concen: 9.194 ng
RT: 8.634 min Scan# 1(
Delta R.T. -0.047 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

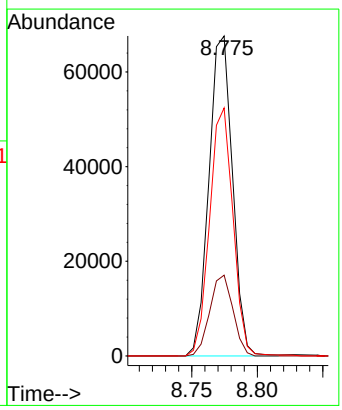


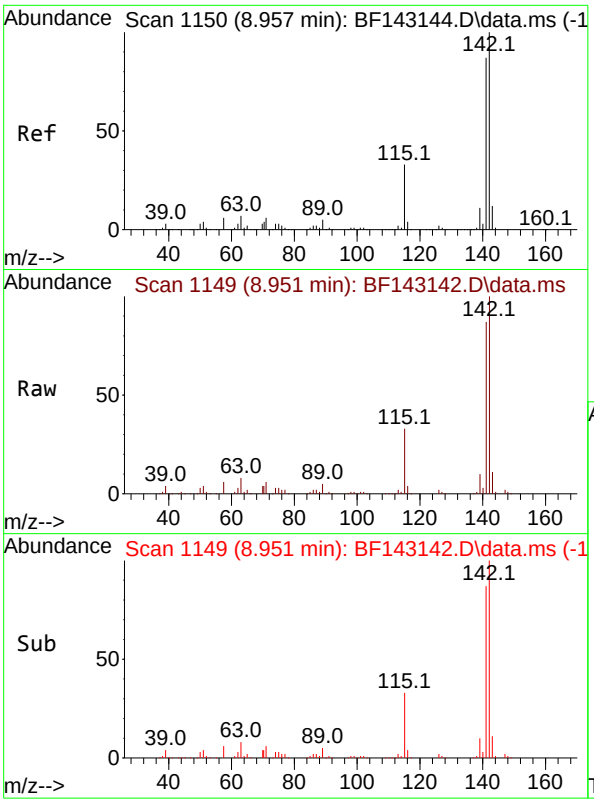


#36
4-Chloro-3-methylphenol
Concen: 10.227 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



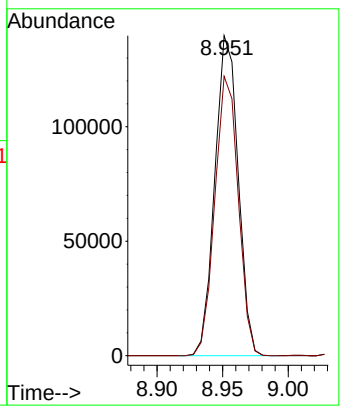


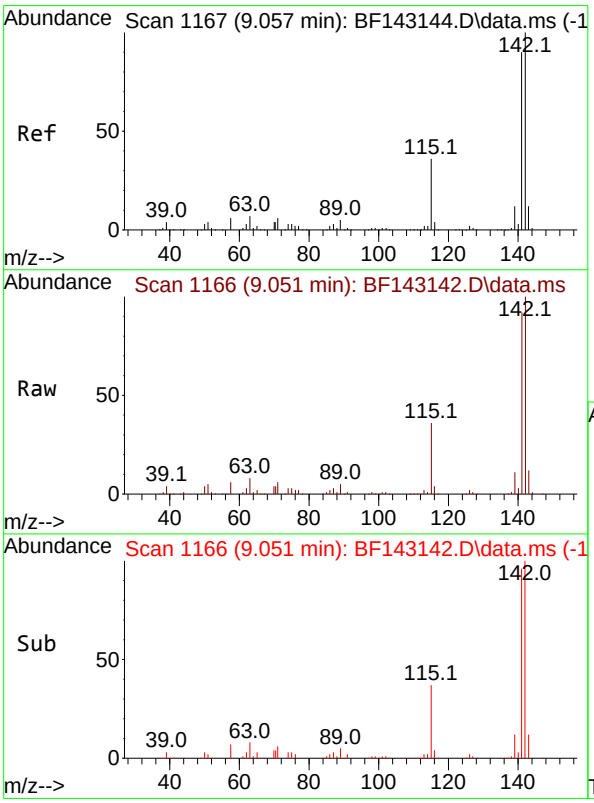
#37
2-Methylnaphthalene
Concen: 10.570 ng
RT: 8.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 172865

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.9	104.9

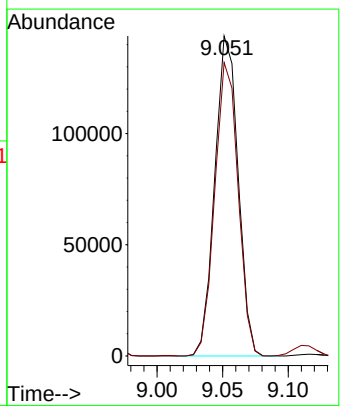


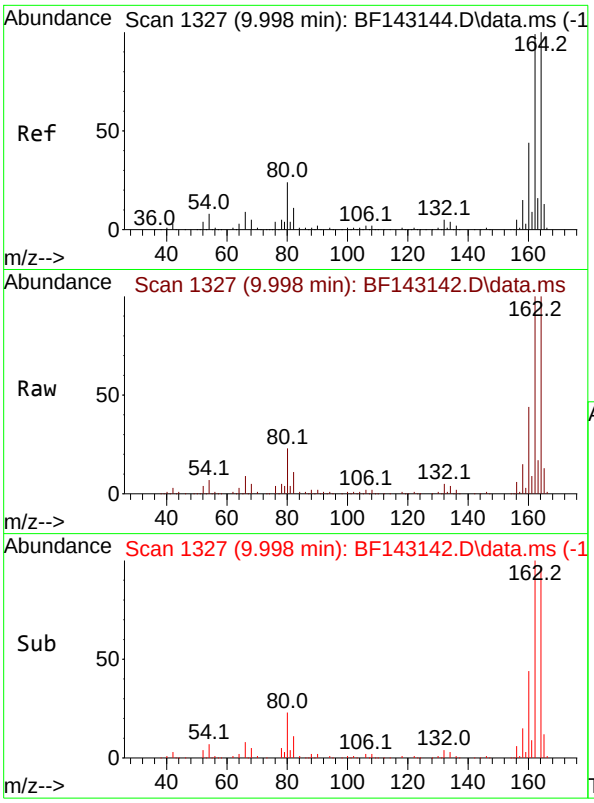


#38
1-Methylnaphthalene
Concen: 10.564 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

Tgt Ion:142 Resp: 177917

Ion	Ratio	Lower	Upper
142	100		
141	91.7	72.3	108.5



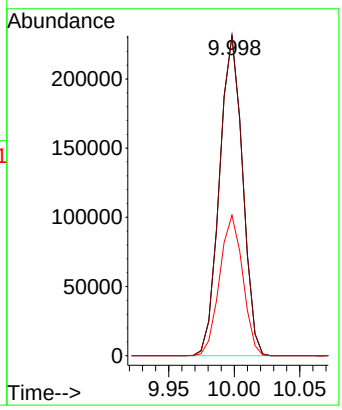


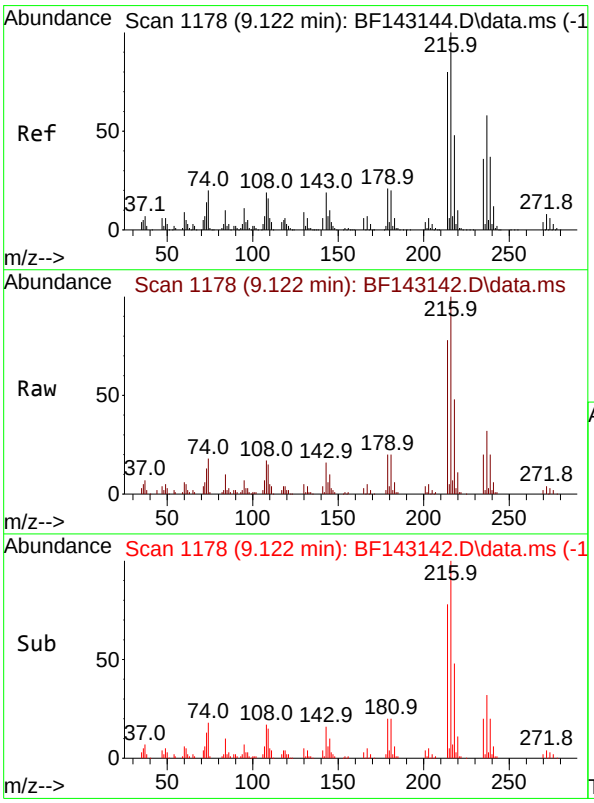
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

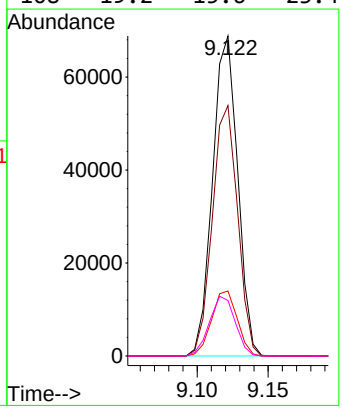


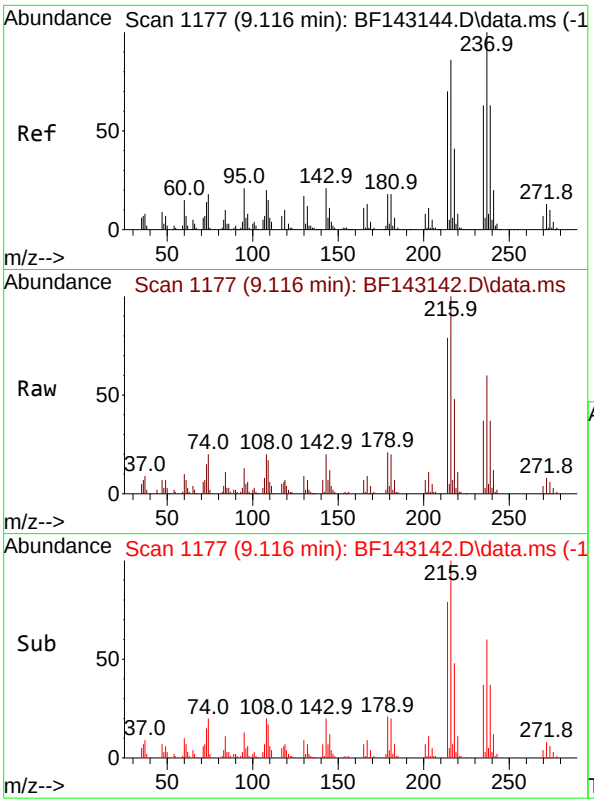


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.357 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



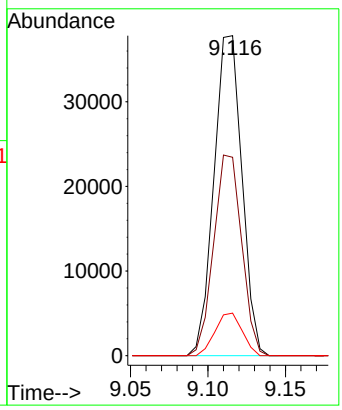


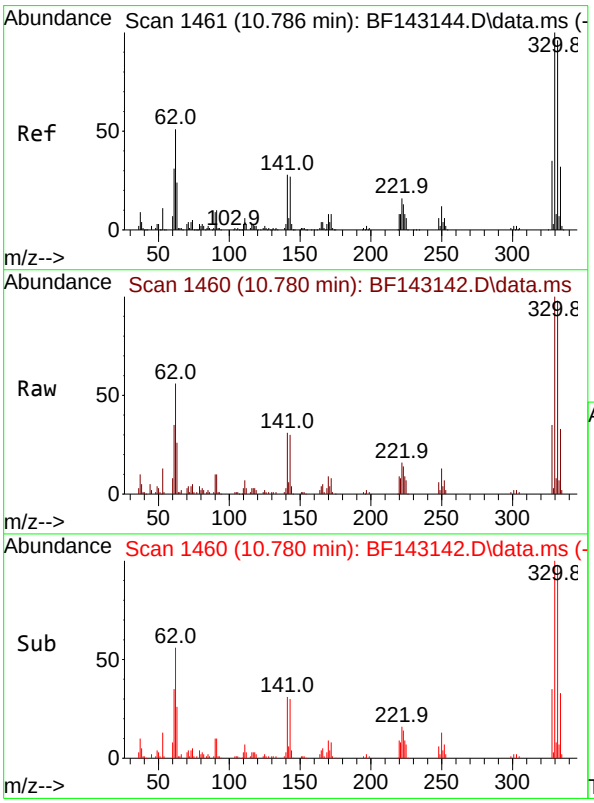
#41
Hexachlorocyclopentadiene
Concen: 8.963 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

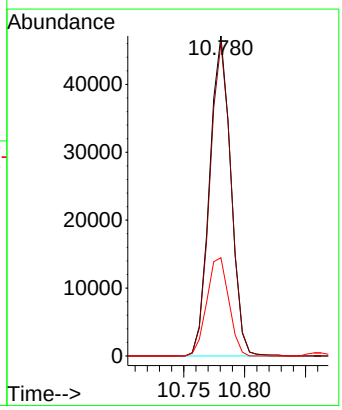


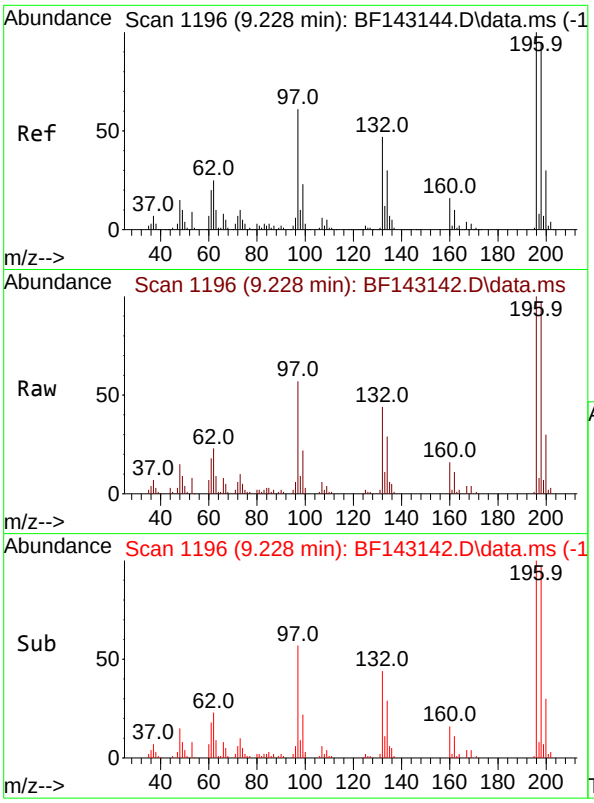


#42
2,4,6-Tribromophenol
Concen: 19.512 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



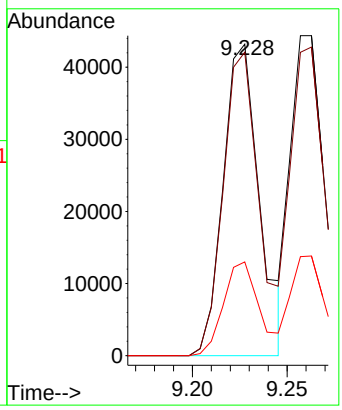


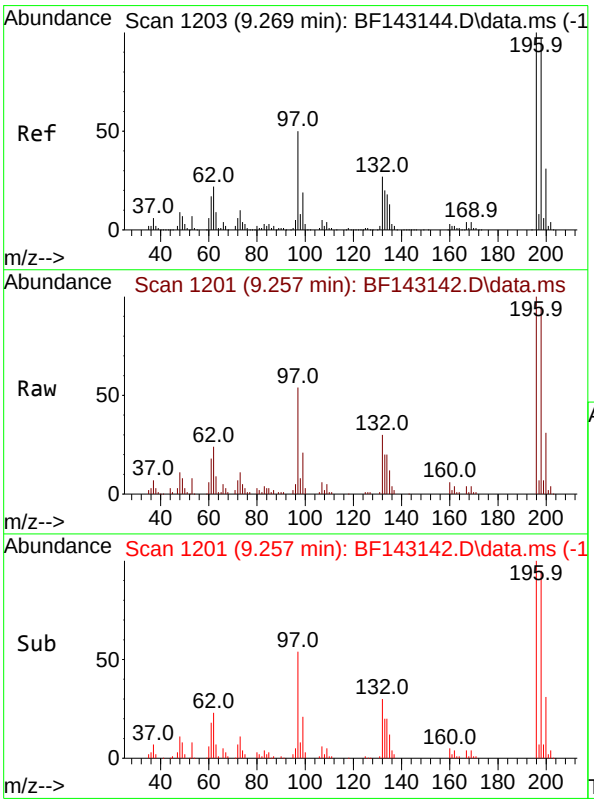
#43
2,4,6-Trichlorophenol
Concen: 10.165 ng
RT: 9.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

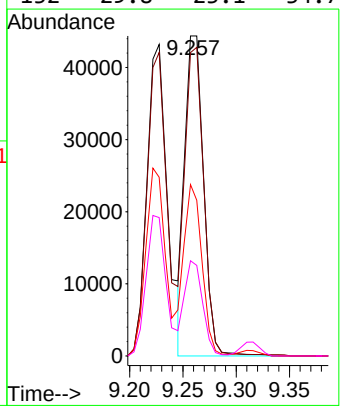


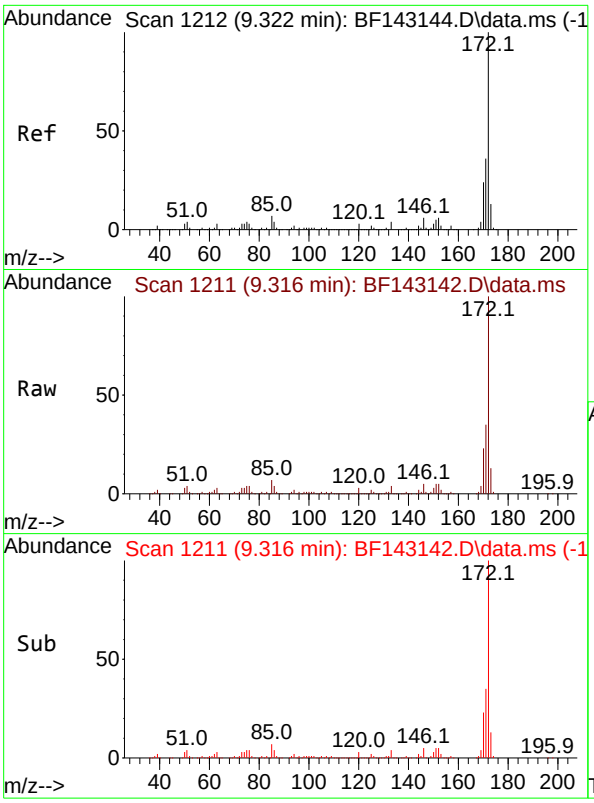


#44
2,4,5-Trichlorophenol
Concen: 9.688 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



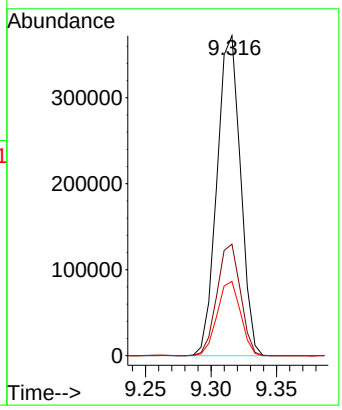


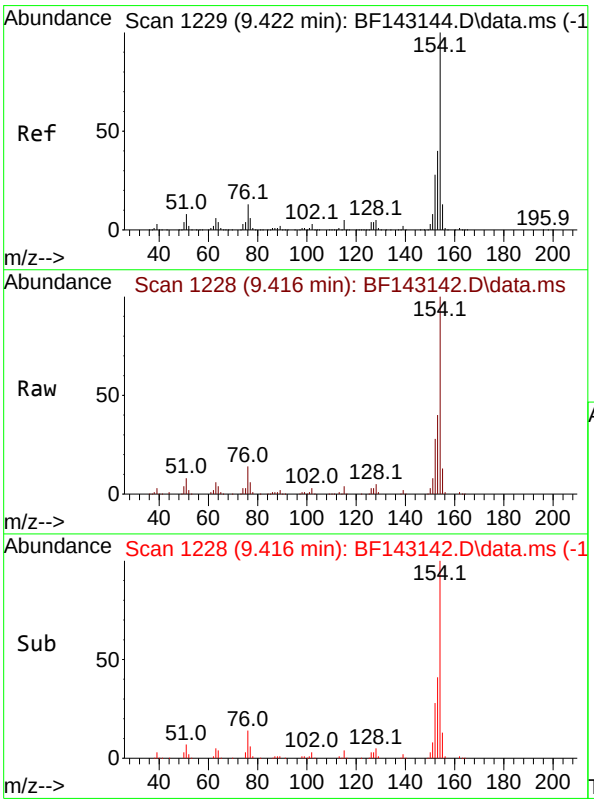
#45
2-Fluorobiphenyl
Concen: 22.489 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

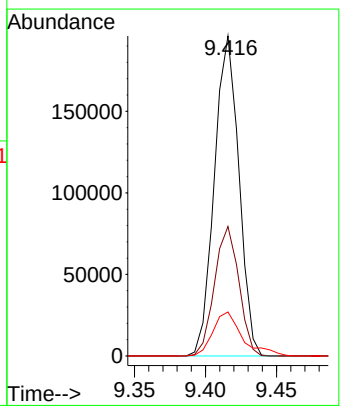


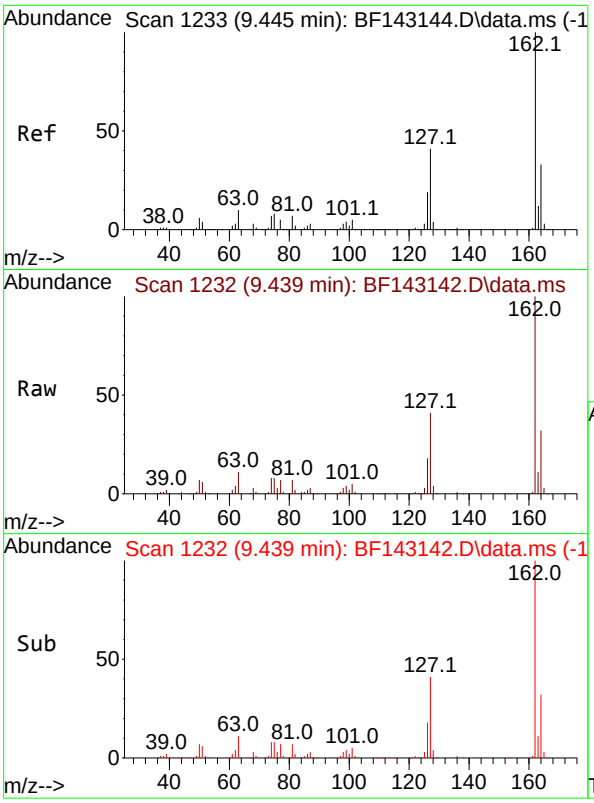


#46
1,1'-Biphenyl
Concen: 10.680 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



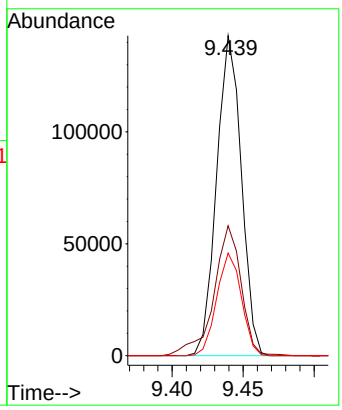


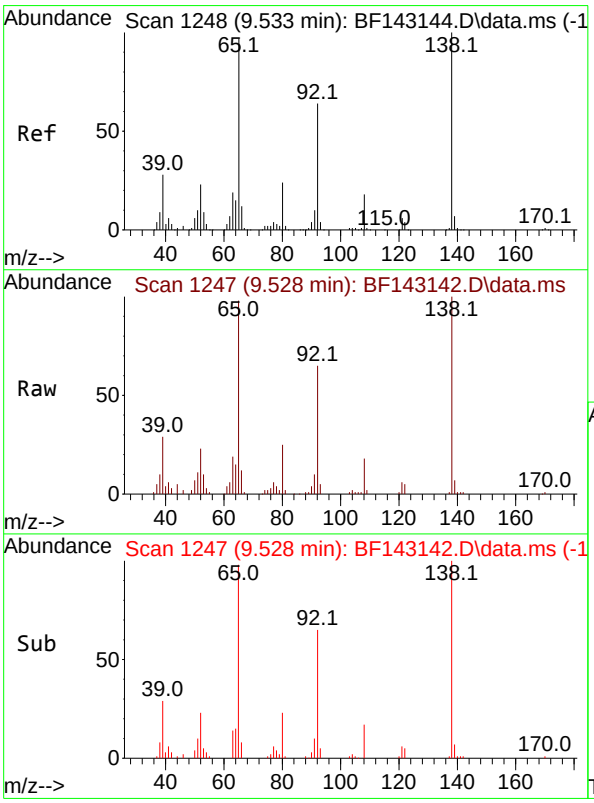
#47
2-Chloronaphthalene
Concen: 10.595 ng
RT: 9.439 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

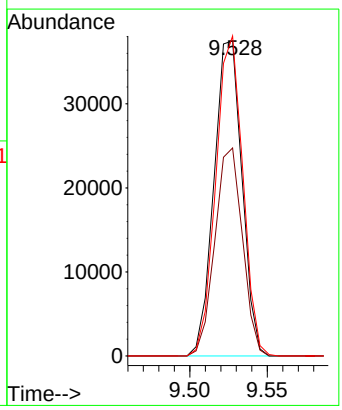


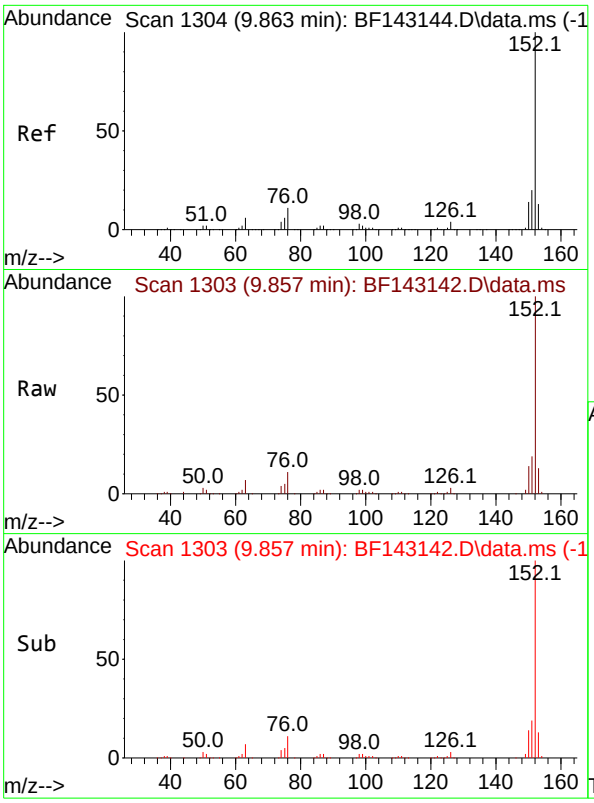


#48
2-Nitroaniline
Concen: 9.198 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



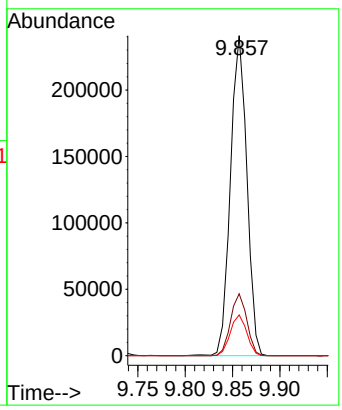


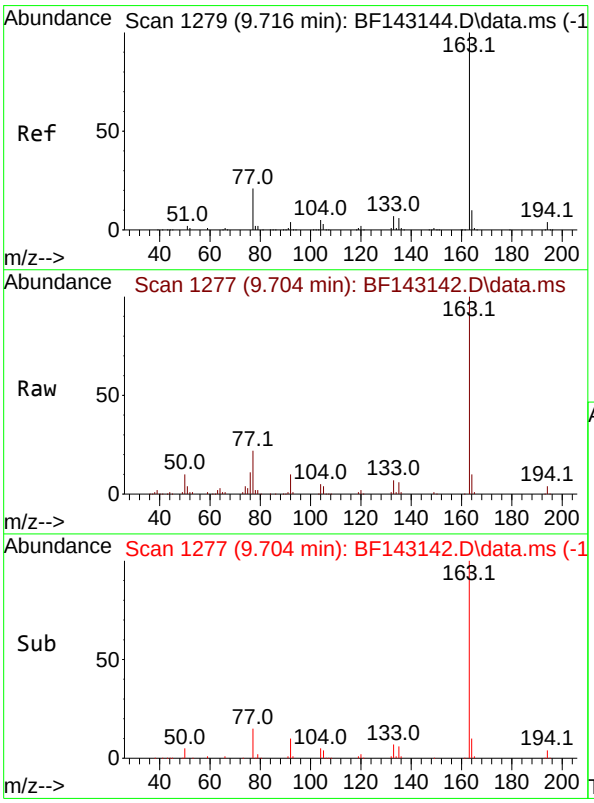
#49
Acenaphthylene
Concen: 10.607 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

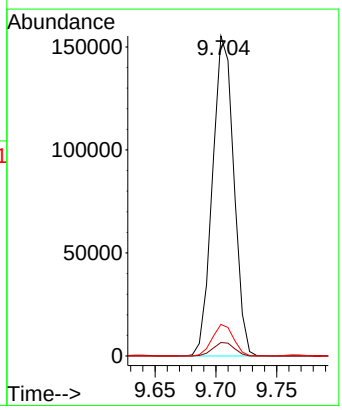


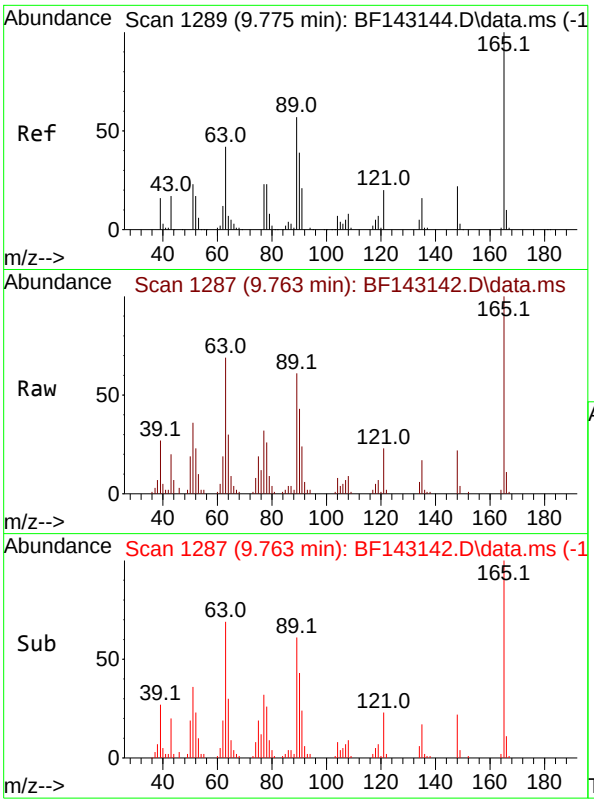


#50
Dimethylphthalate
Concen: 10.283 ng
RT: 9.704 min Scan# 1277
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



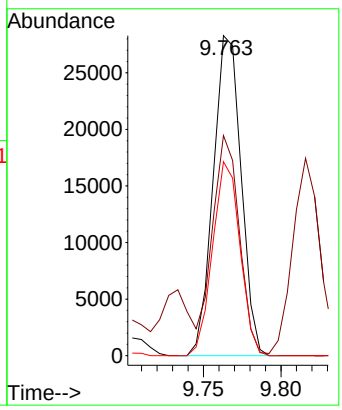


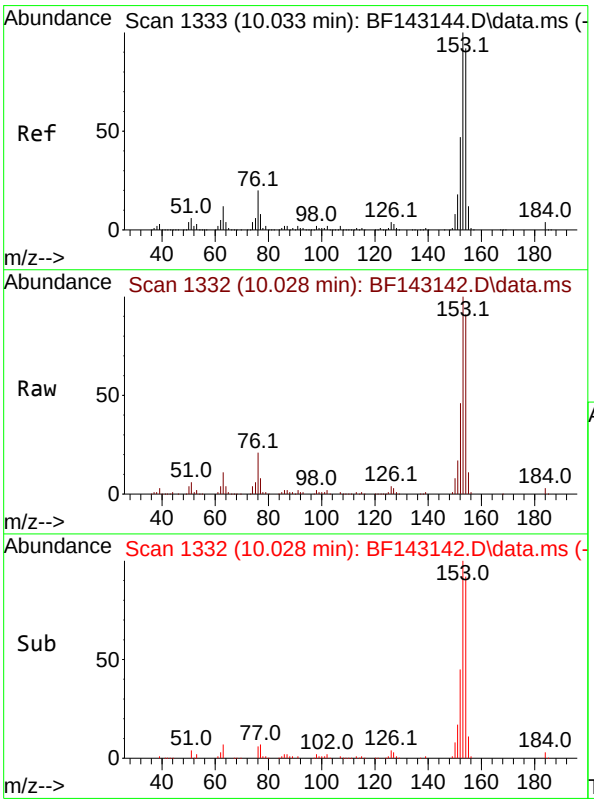
#51
2,6-Dinitrotoluene
Concen: 9.438 ng
RT: 9.763 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

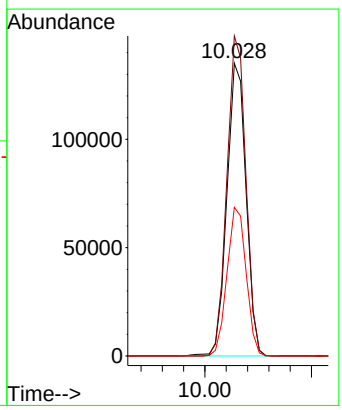


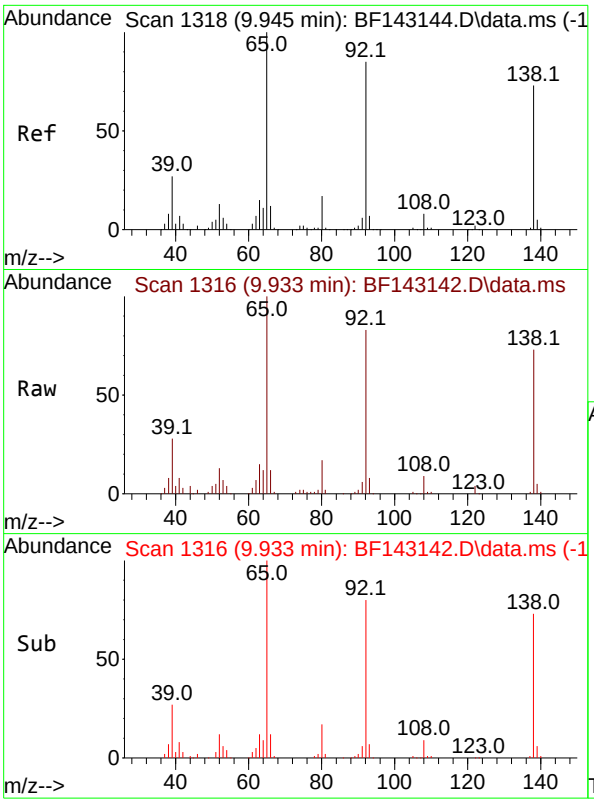


#52
Acenaphthene
Concen: 10.440 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



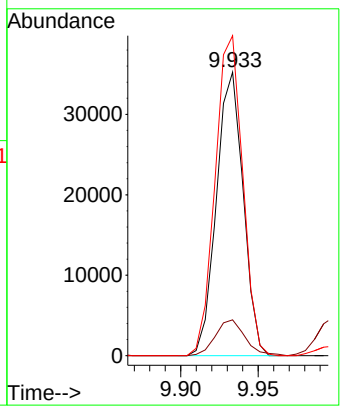


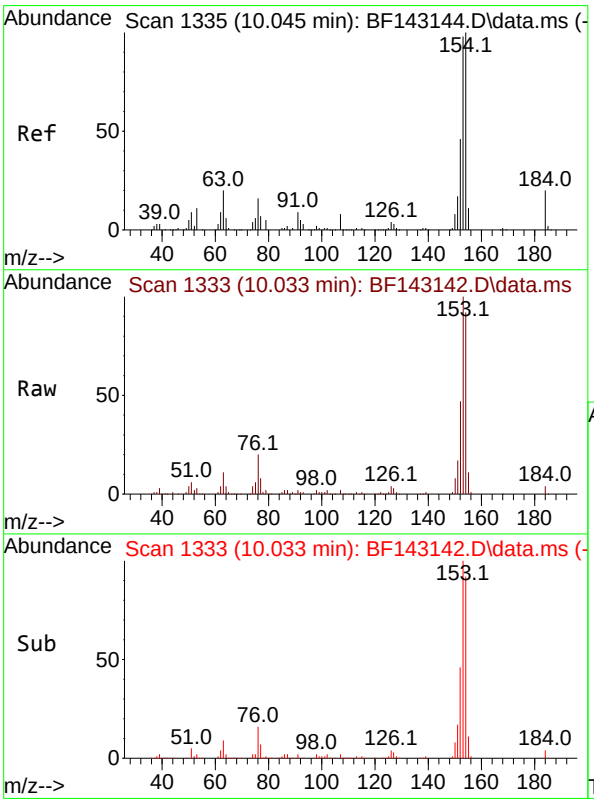
#53
3-Nitroaniline
Concen: 9.667 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

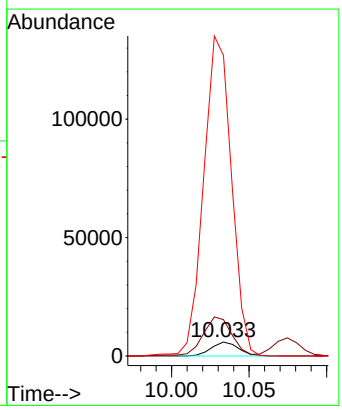


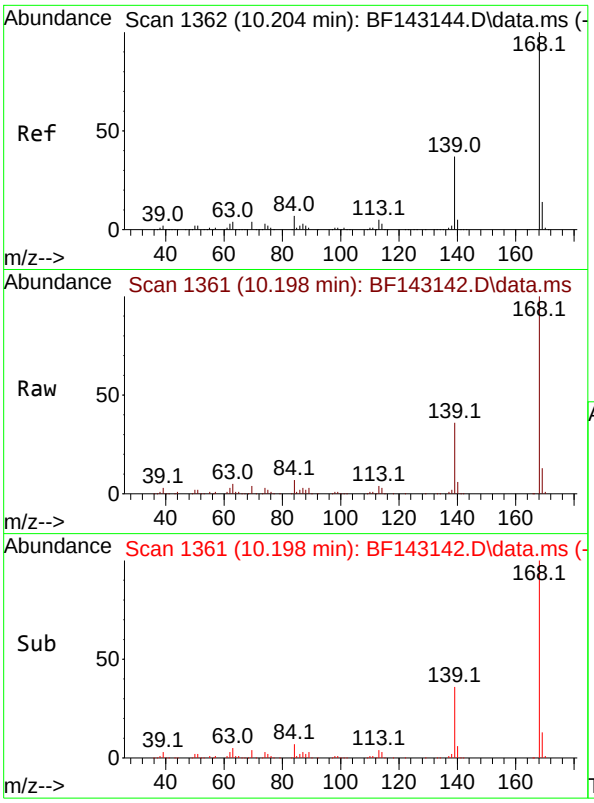


#54
2,4-Dinitrophenol
Concen: 10.522 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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#



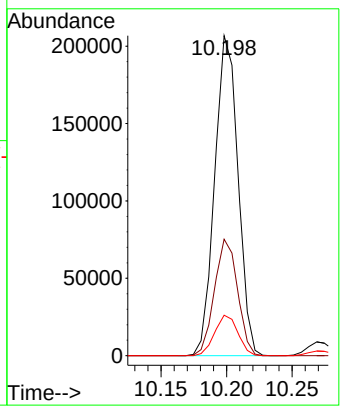


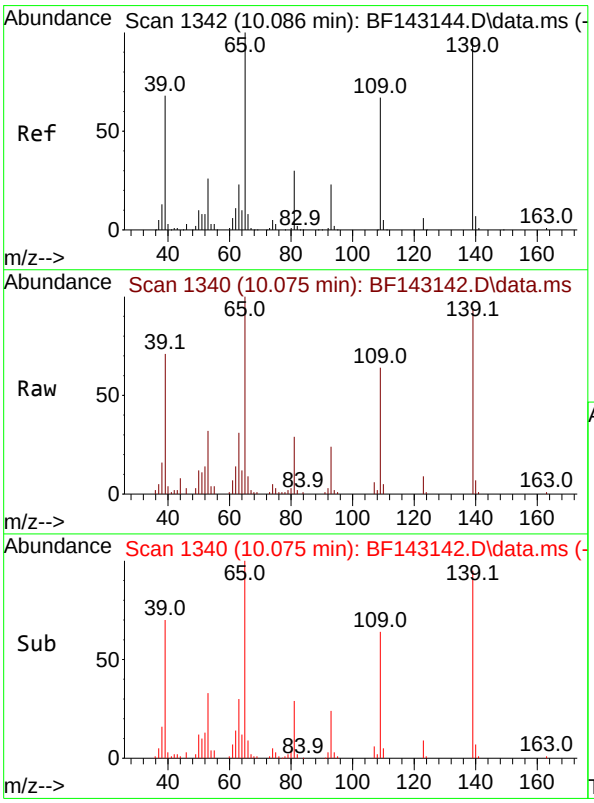
#55
Dibenzofuran
Concen: 10.641 ng
RT: 10.198 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

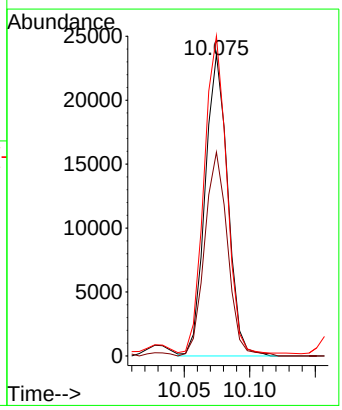


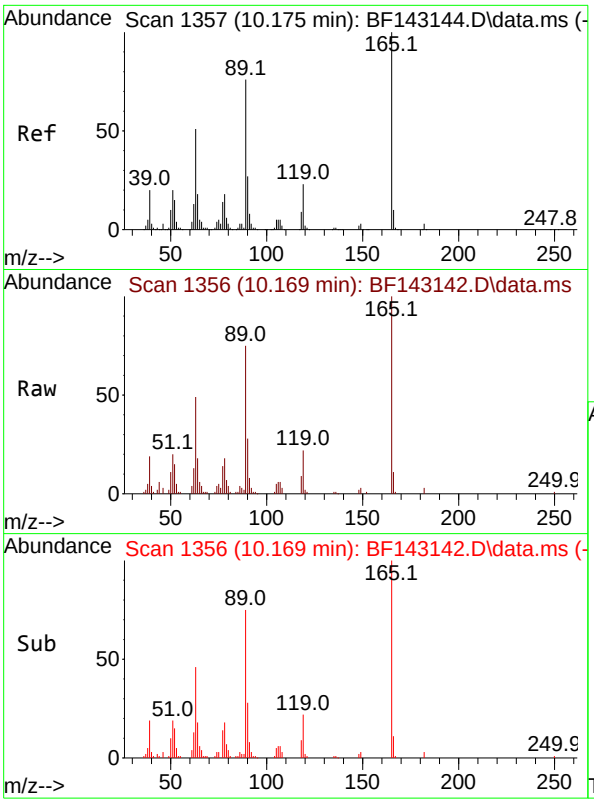


#56
4-Nitrophenol
Concen: 8.627 ng
RT: 10.075 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



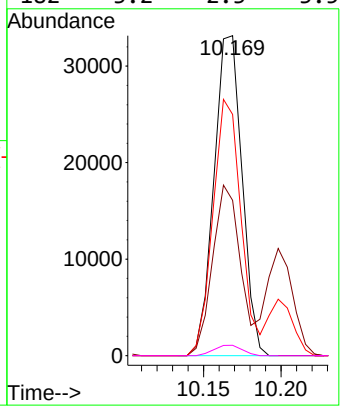


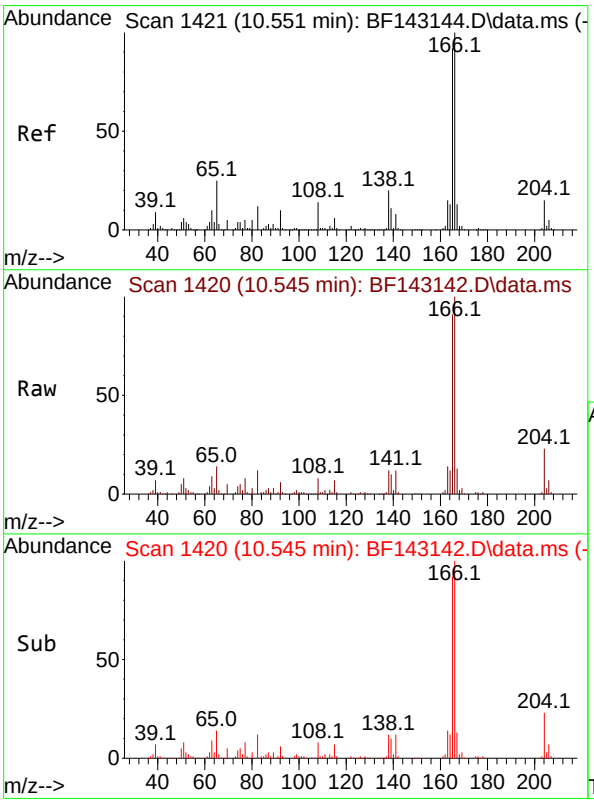
#57
2,4-Dinitrotoluene
Concen: 8.895 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

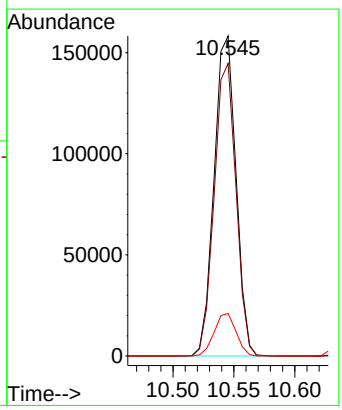


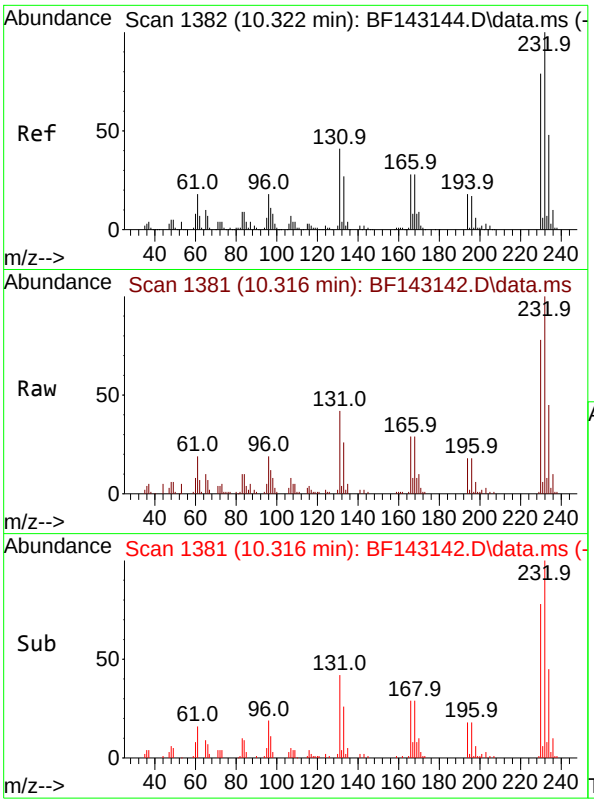


#58
Fluorene
Concen: 10.999 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



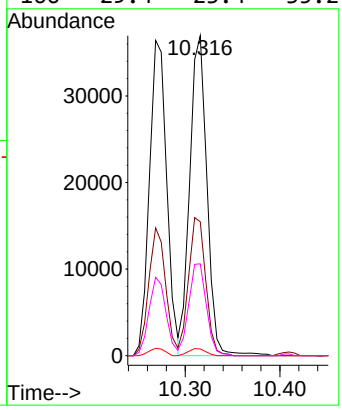


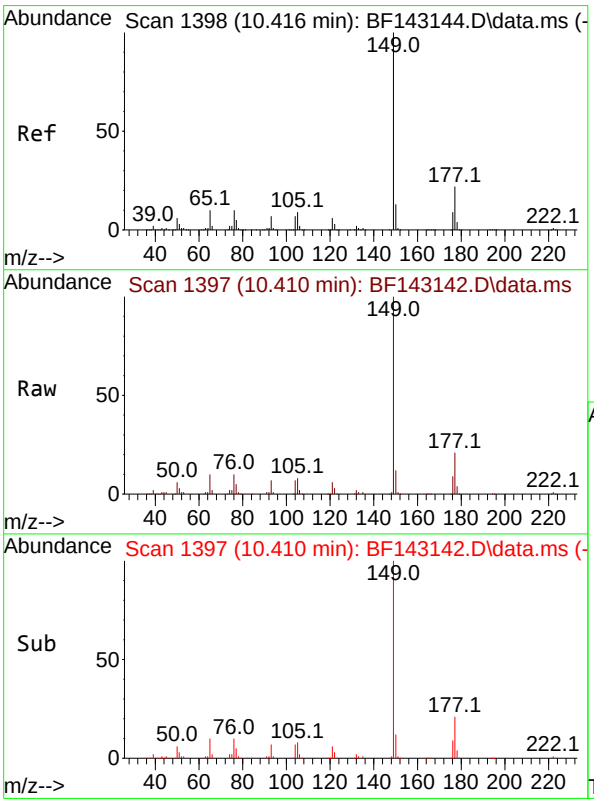
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.986 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

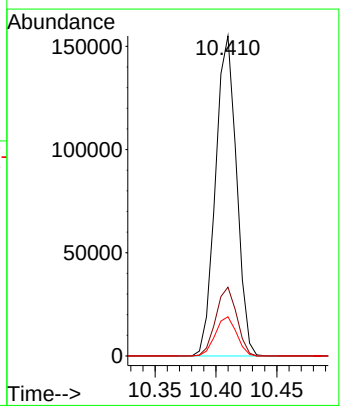


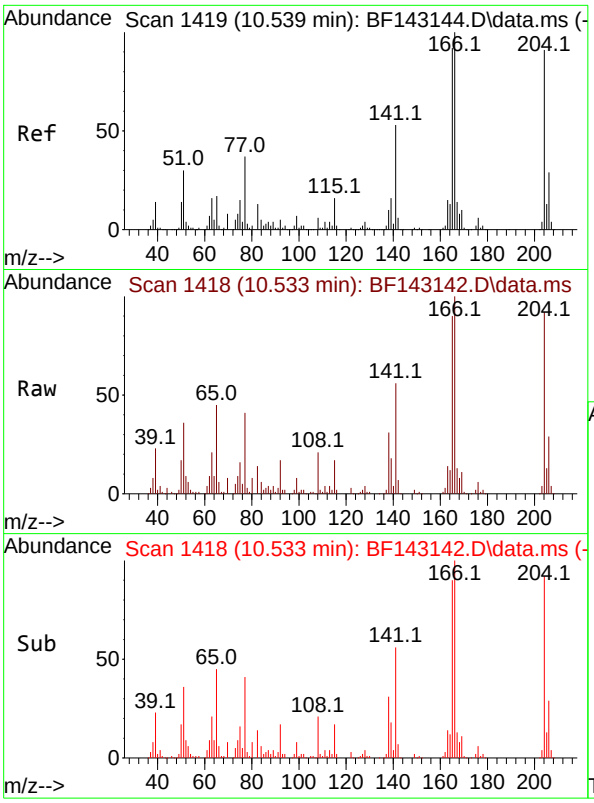


#60
Diethylphthalate
Concen: 10.261 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



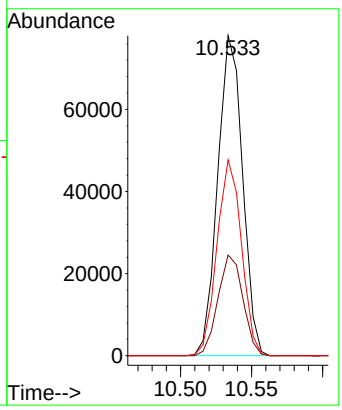


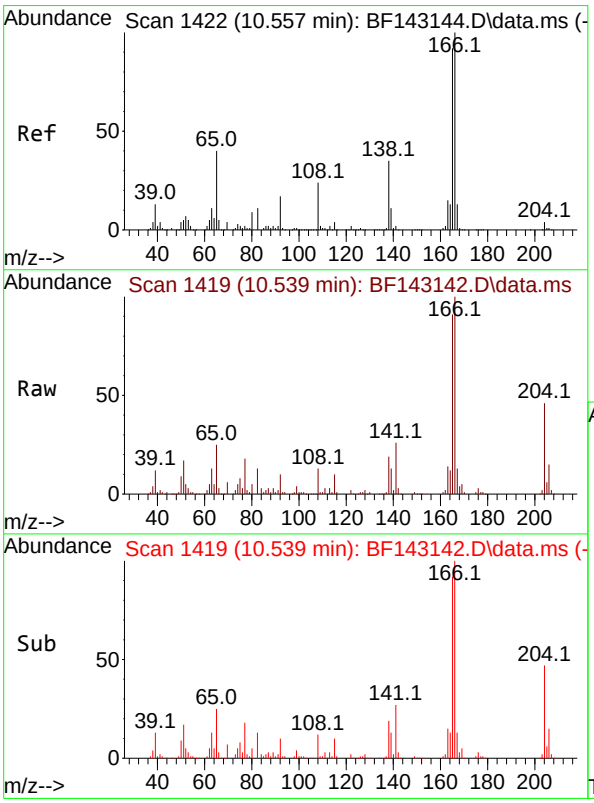
#61
4-Chlorophenyl-phenylether
Concen: 10.561 ng
RT: 10.533 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

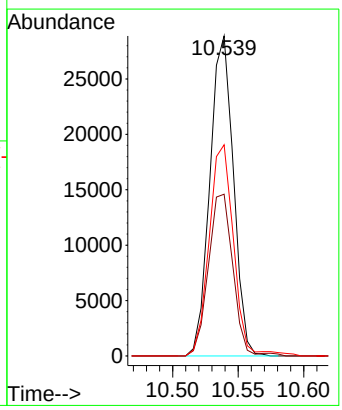


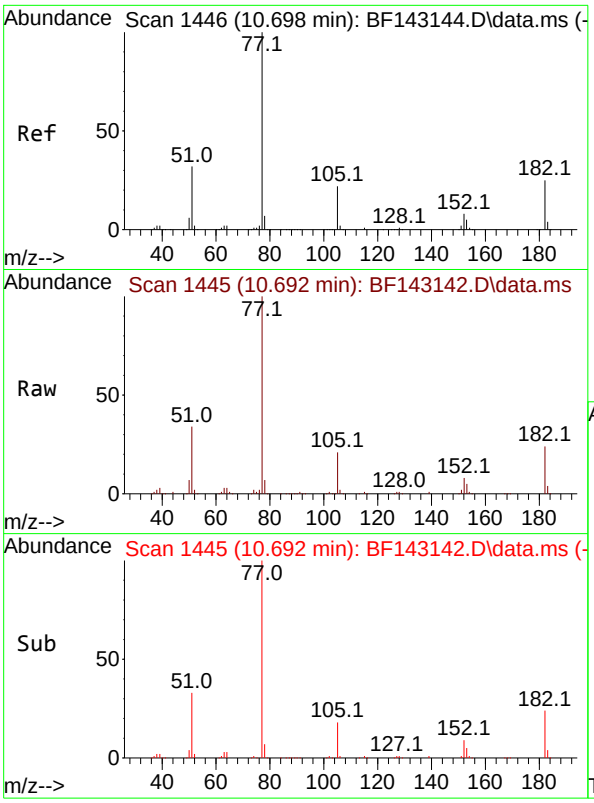


#62
4-Nitroaniline
Concen: 9.574 ng
RT: 10.539 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



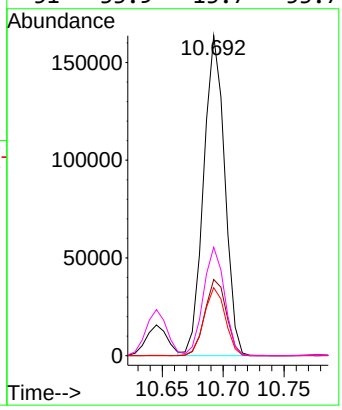


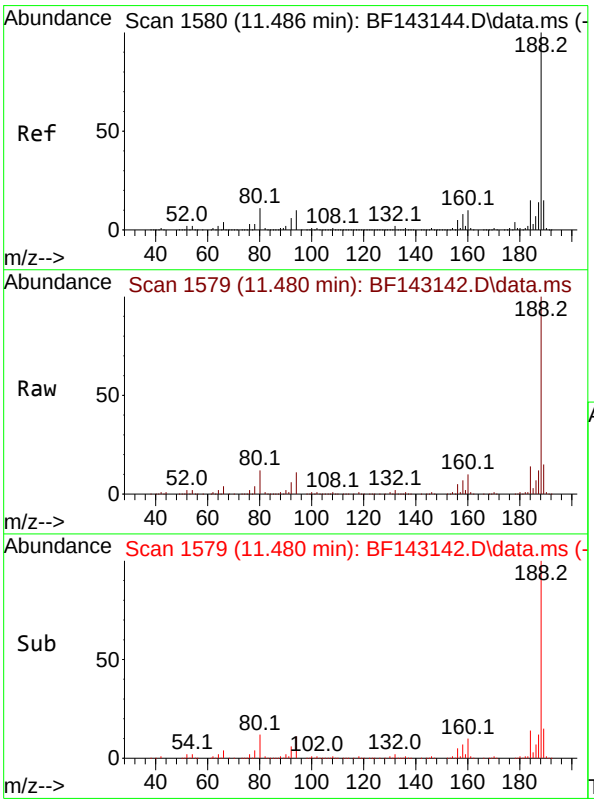
#63
Azobenzene
Concen: 10.435 ng
RT: 10.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

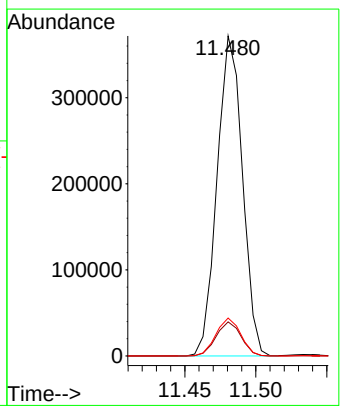


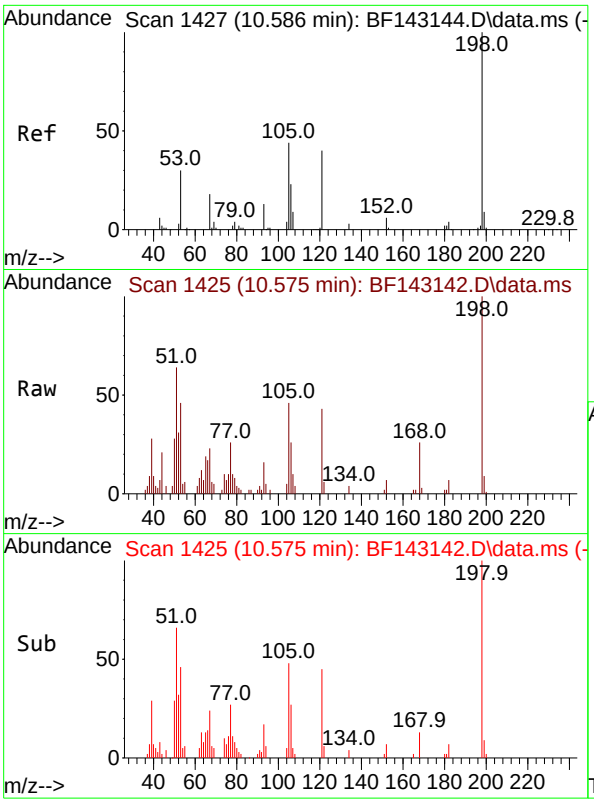


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



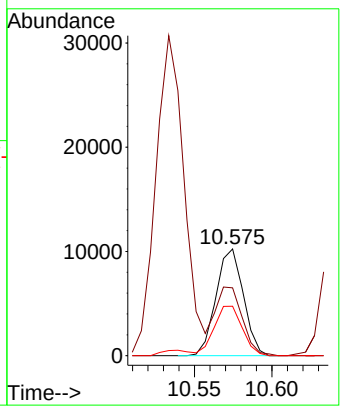


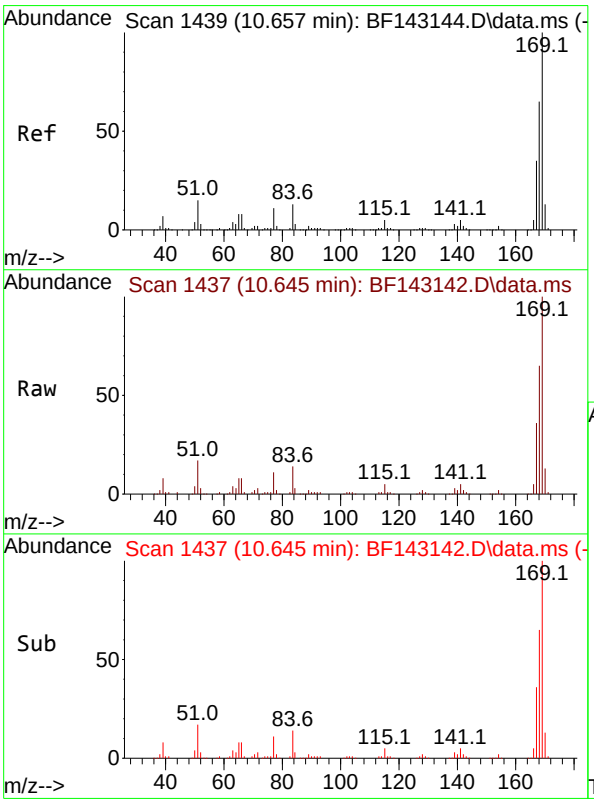
#65
4,6-Dinitro-2-methylphenol
Concen: 10.014 ng
RT: 10.575 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

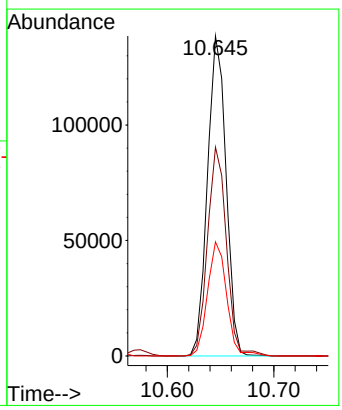


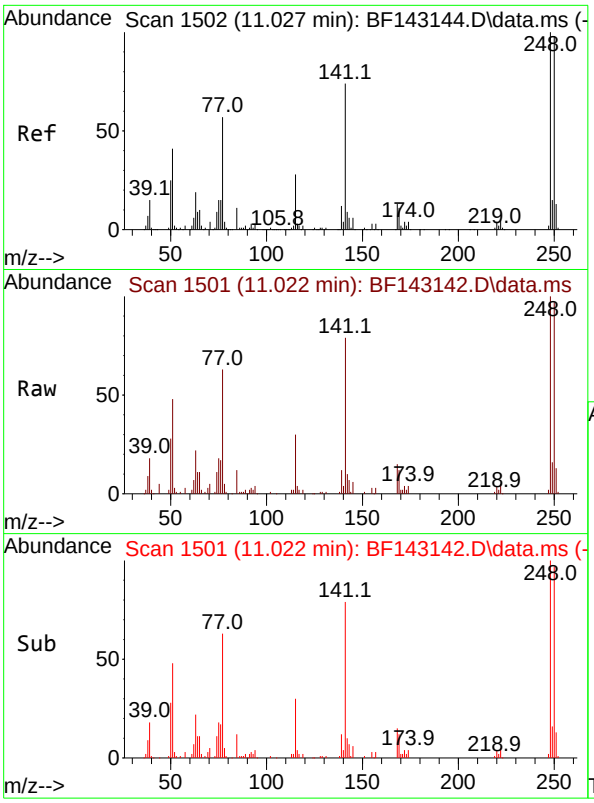


#66
n-Nitrosodiphenylamine
Concen: 10.337 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



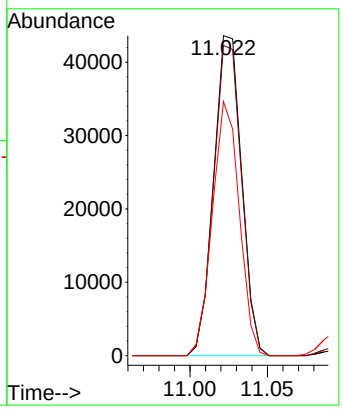


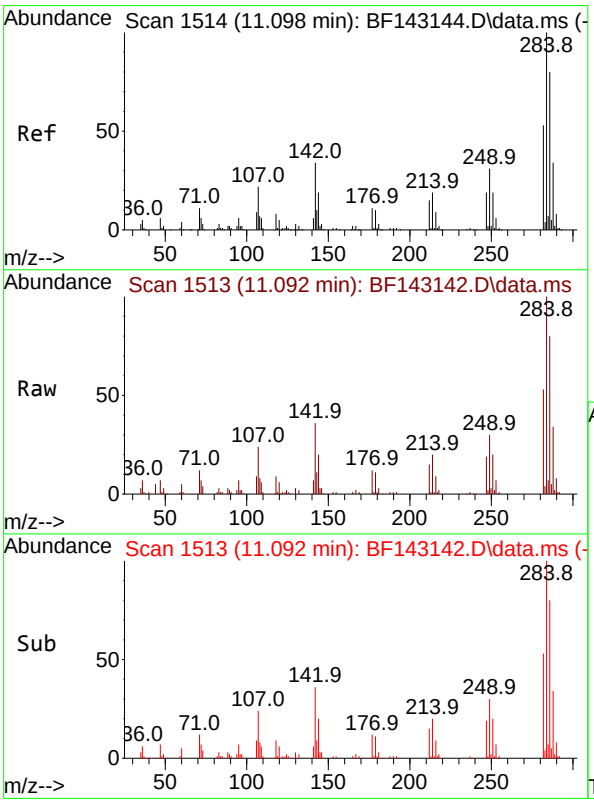
#67
4-Bromophenyl-phenylether
Concen: 9.978 ng
RT: 11.022 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

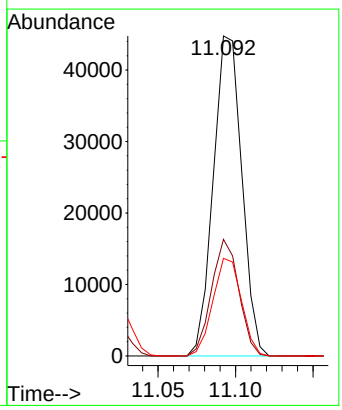


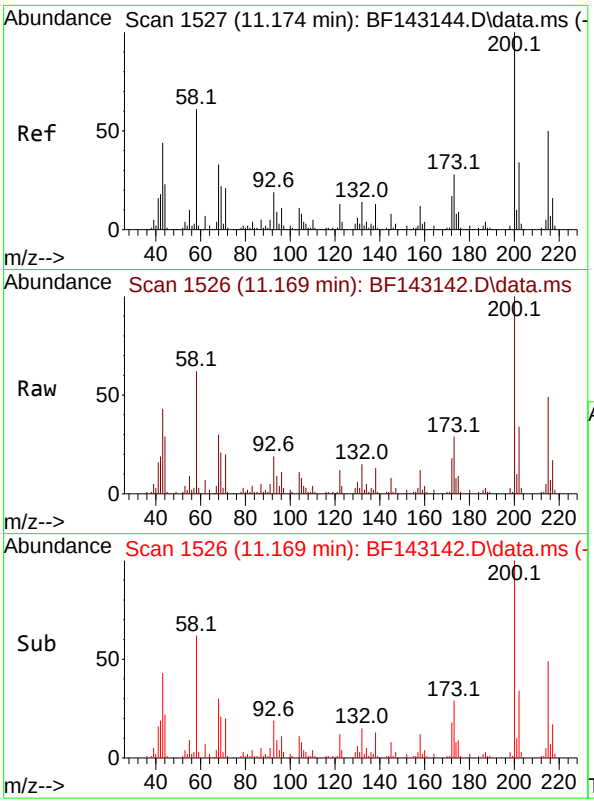


#68
Hexachlorobenzene
Concen: 9.974 ng
RT: 11.092 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



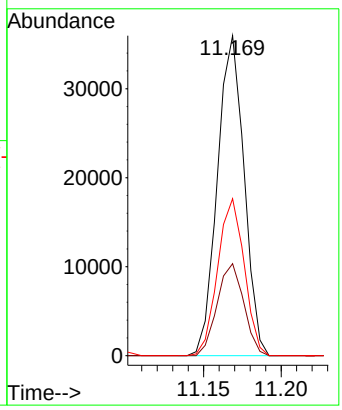


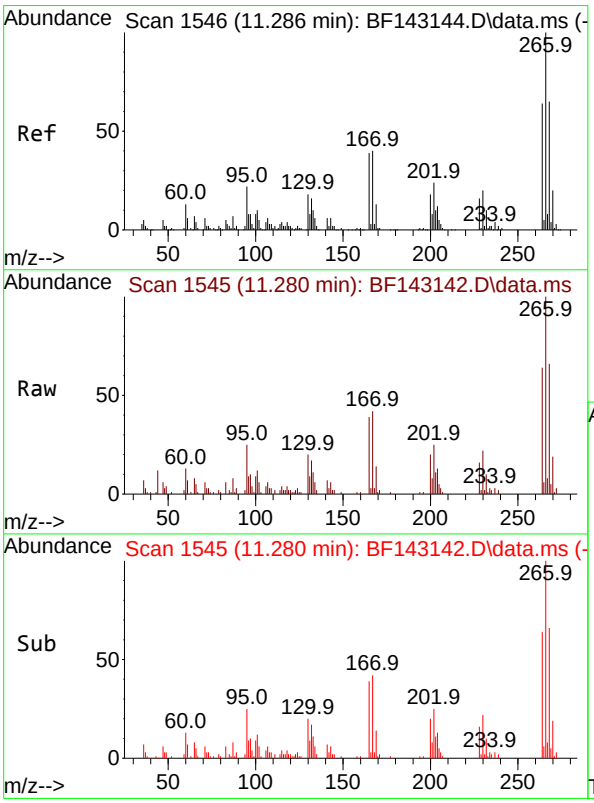
#69
Atrazine
Concen: 9.613 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

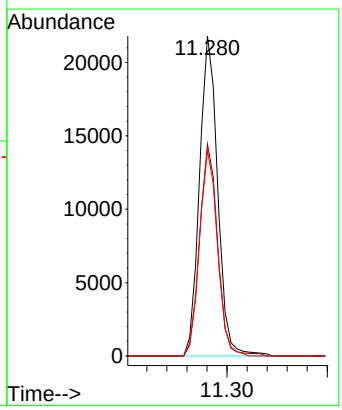


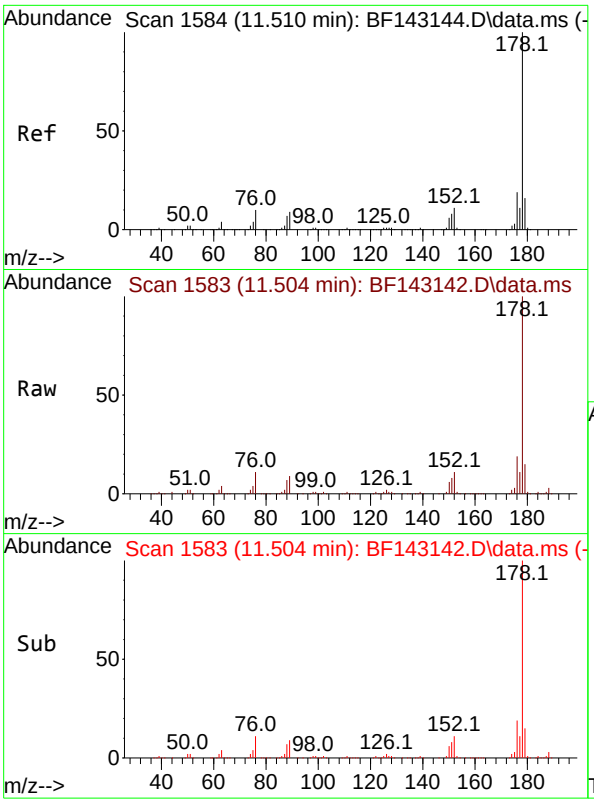


#70
Pentachlorophenol
Concen: 8.148 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



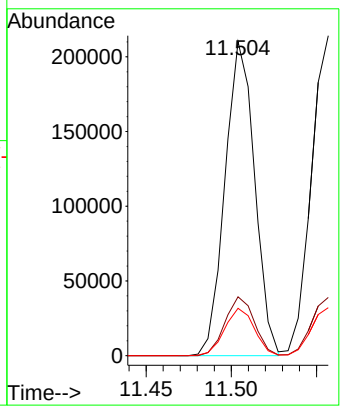


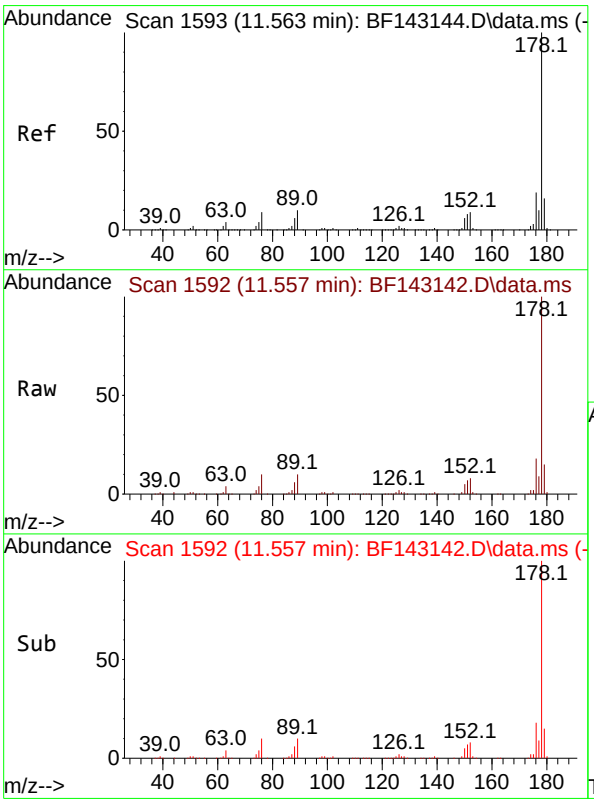
#71
Phenanthrene
Concen: 10.361 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

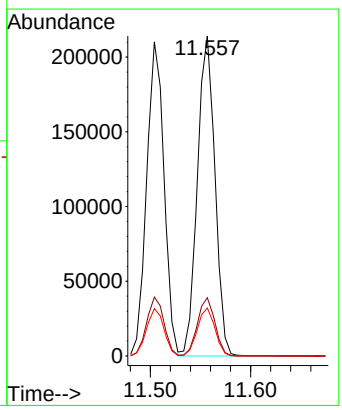


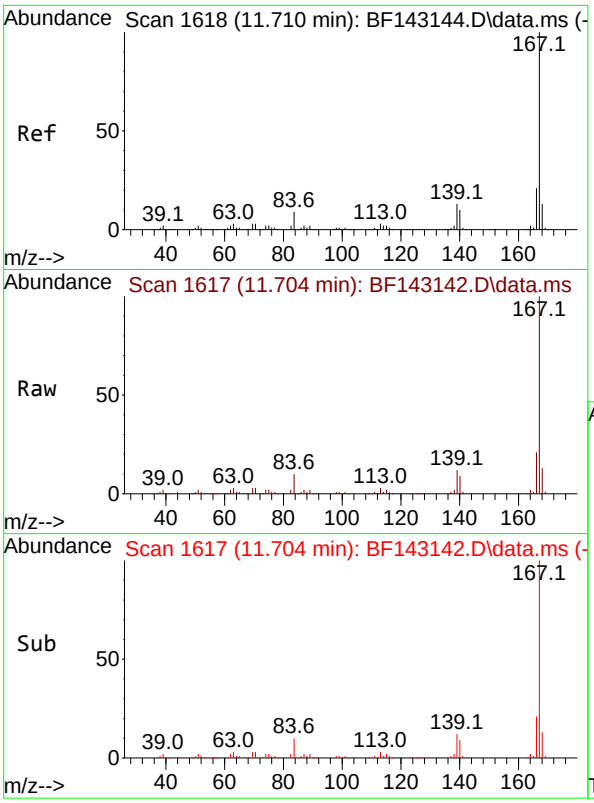


#72
Anthracene
Concen: 10.487 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



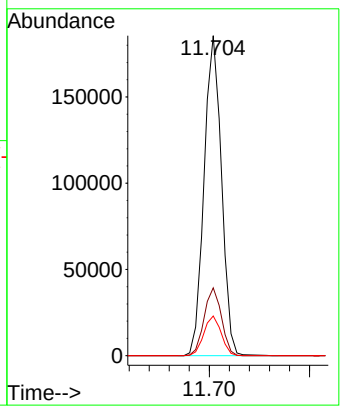


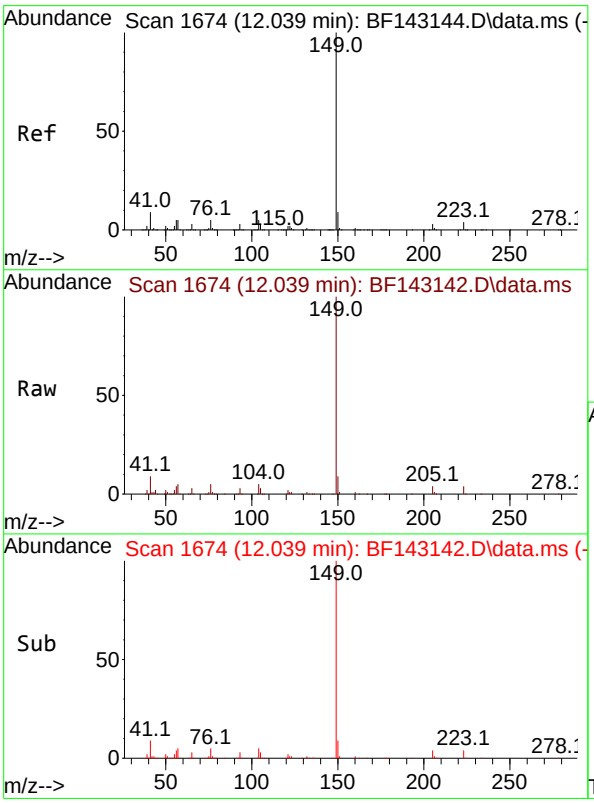
#73
Carbazole
Concen: 10.241 ng
RT: 11.704 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

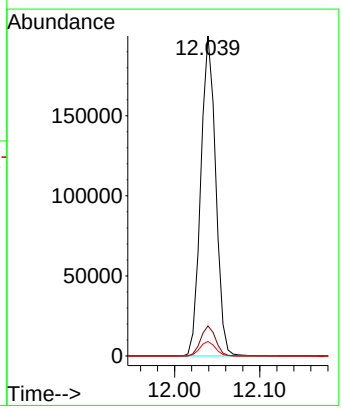


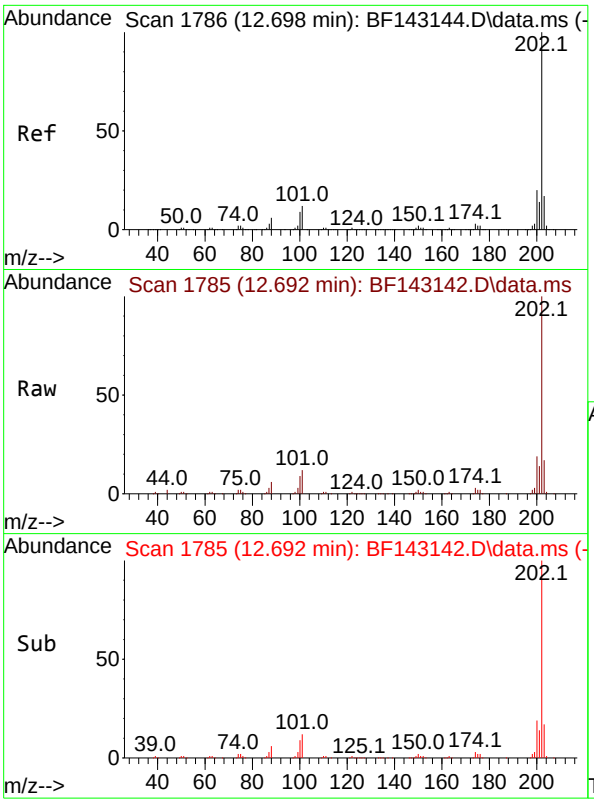


#74
Di-n-butylphthalate
Concen: 9.852 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



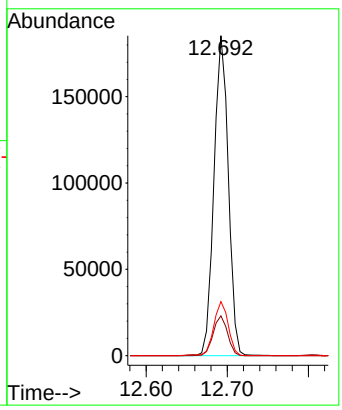


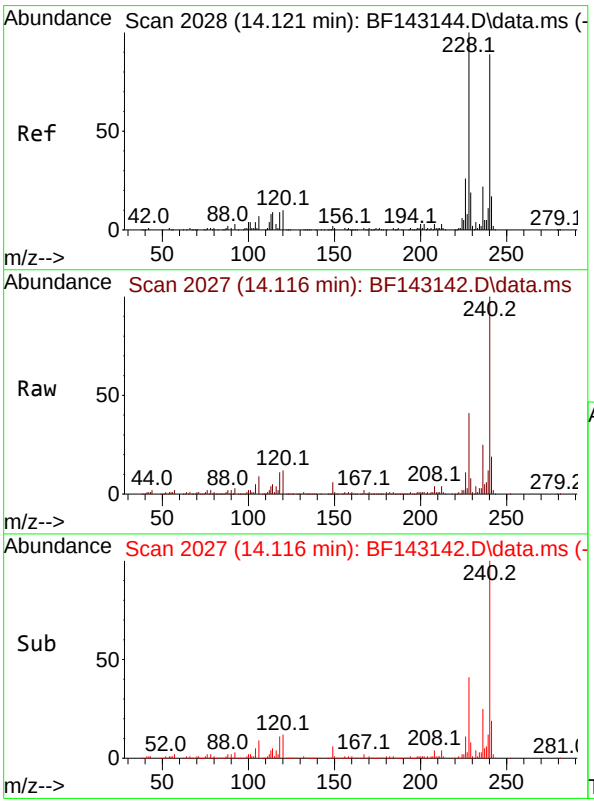
#75
Fluoranthene
Concen: 10.129 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

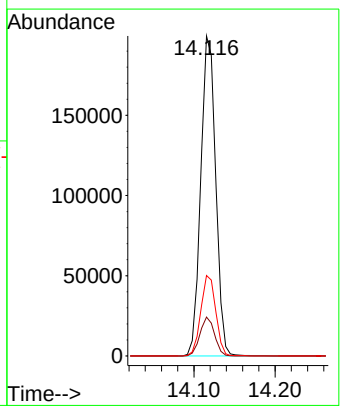


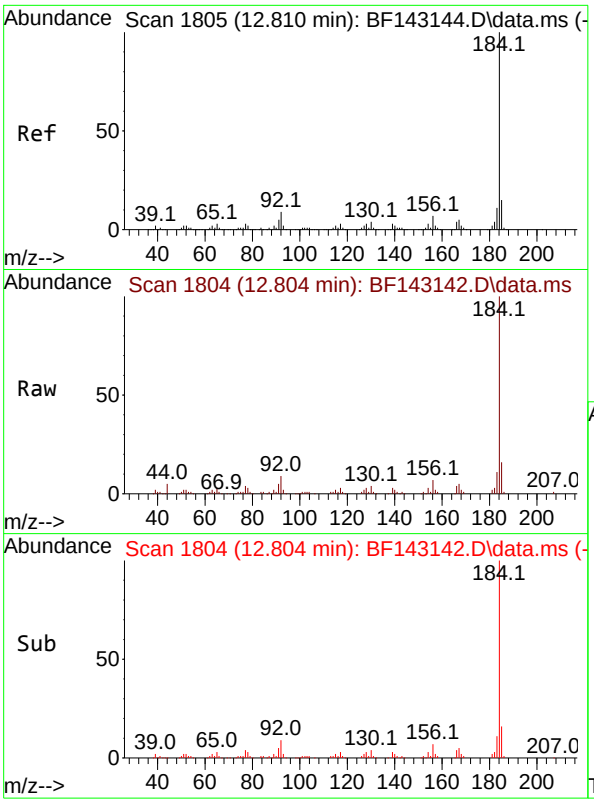


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.116 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



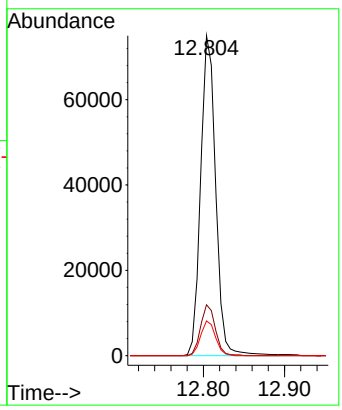


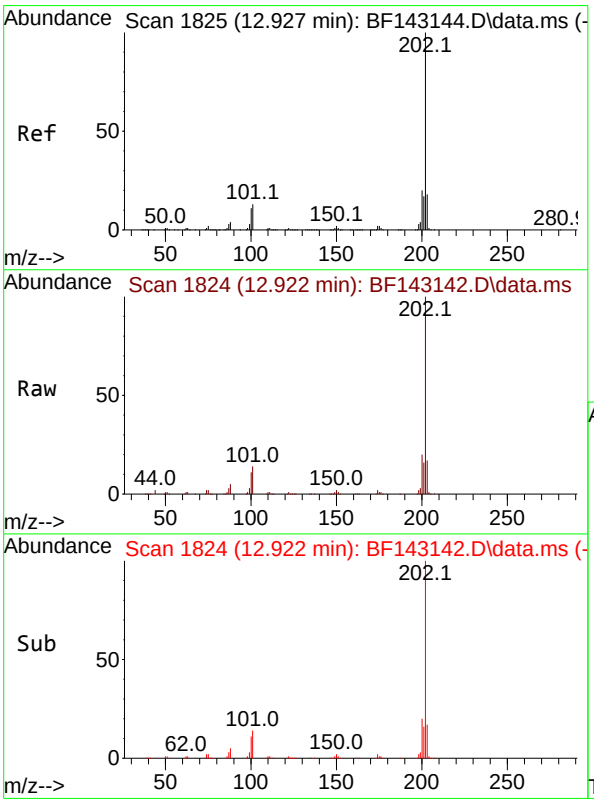
#77
Benzidine
Concen: 9.834 ng
RT: 12.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

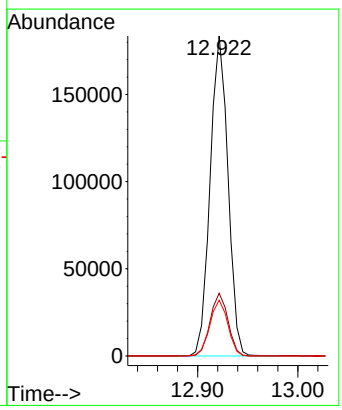


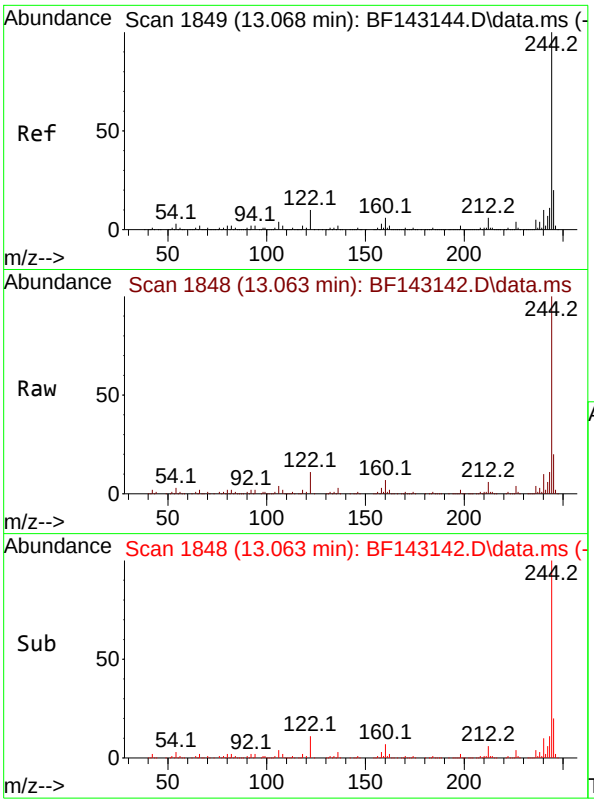


#78
Pyrene
Concen: 10.445 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



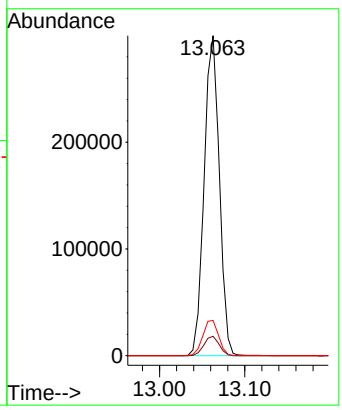


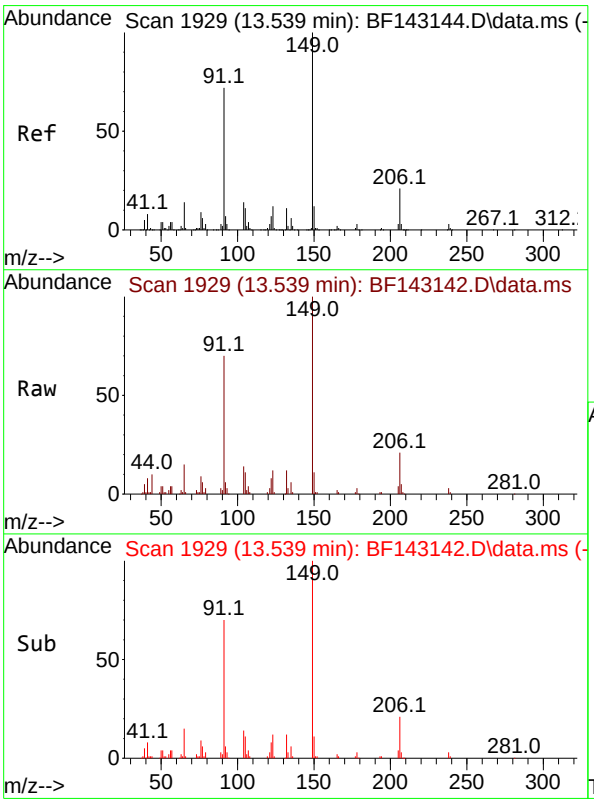
#79
Terphenyl-d14
Concen: 21.669 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

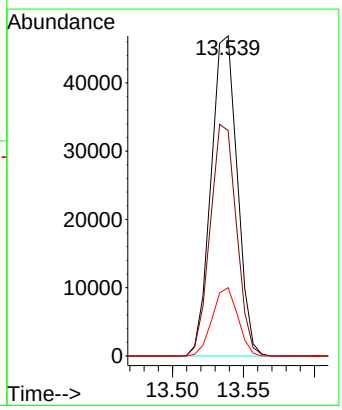


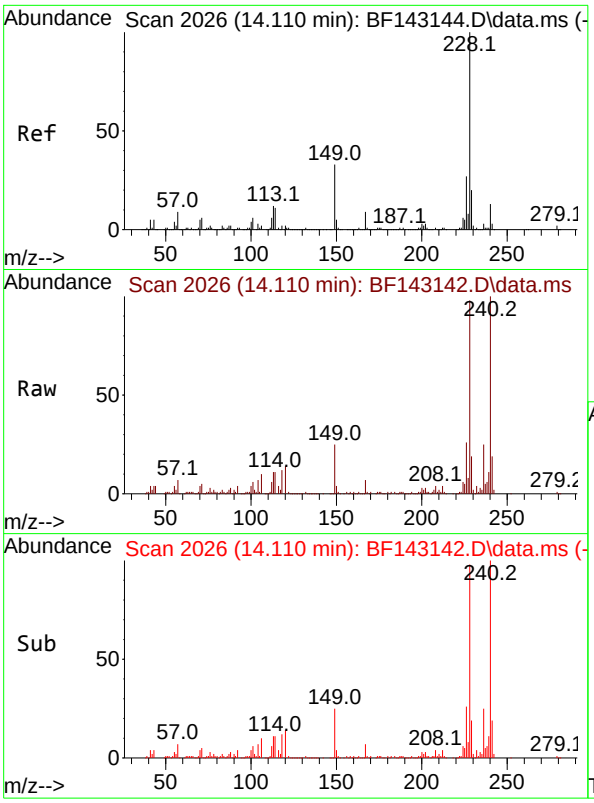


#80
Butylbenzylphthalate
Concen: 9.024 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



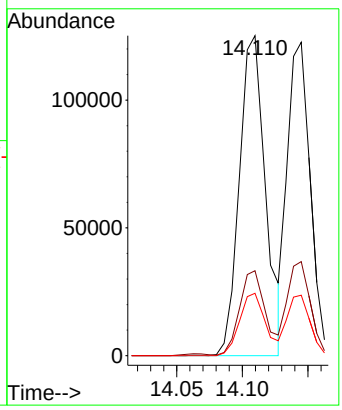


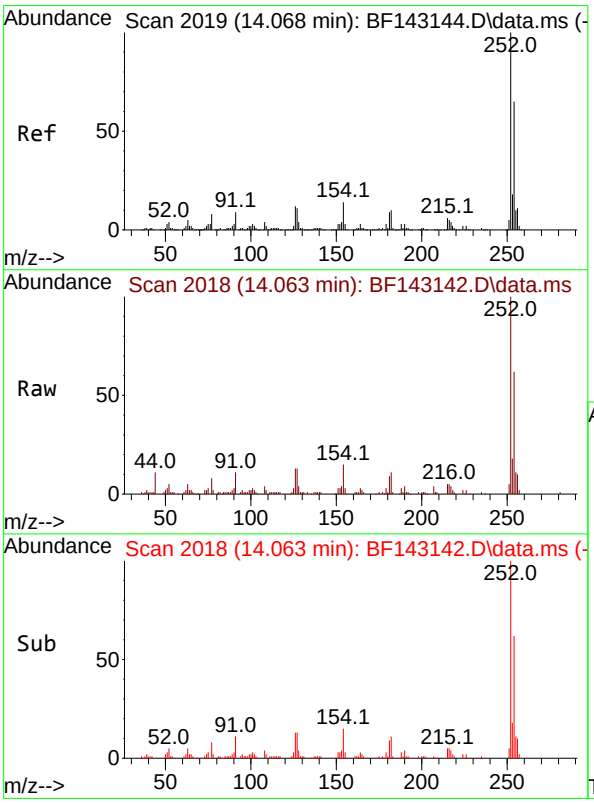
#81
Benzo(a)anthracene
Concen: 10.207 ng
RT: 14.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

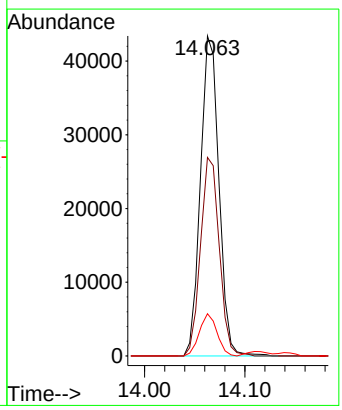


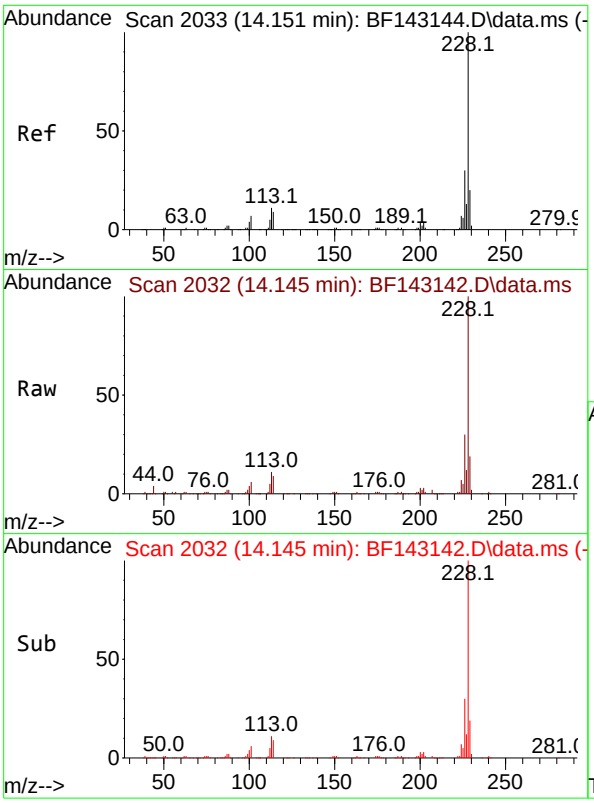


#82
3,3'-Dichlorobenzidine
Concen: 9.802 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



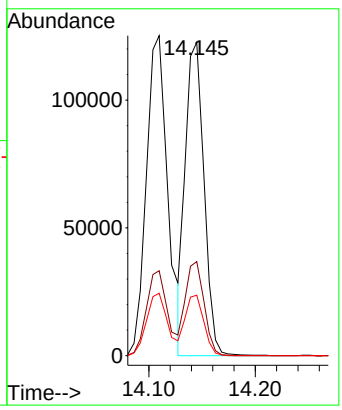


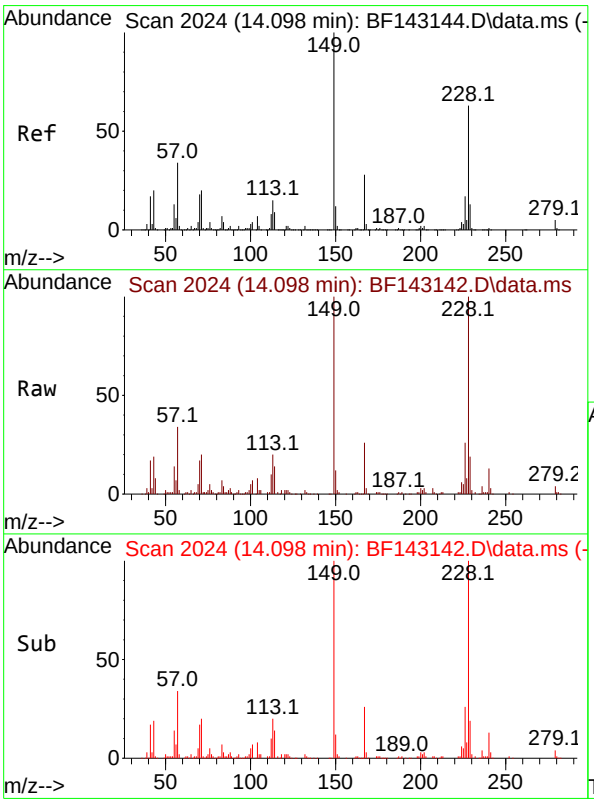
#83
Chrysene
Concen: 9.750 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

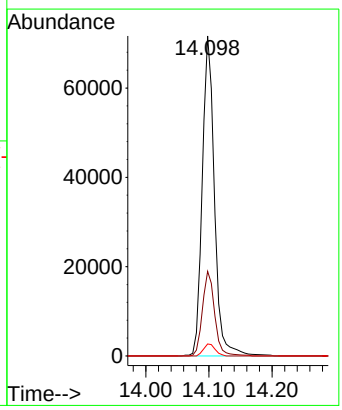


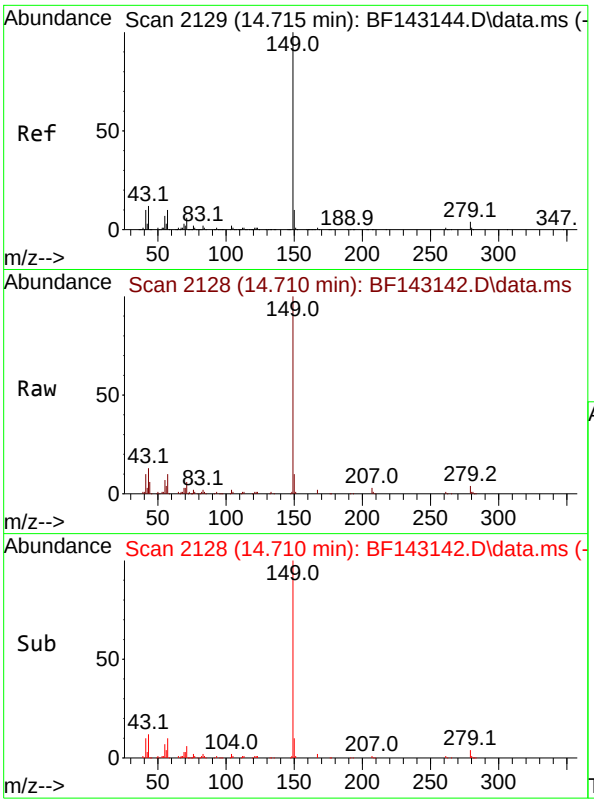


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.549 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



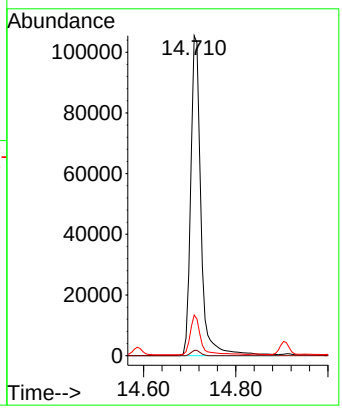


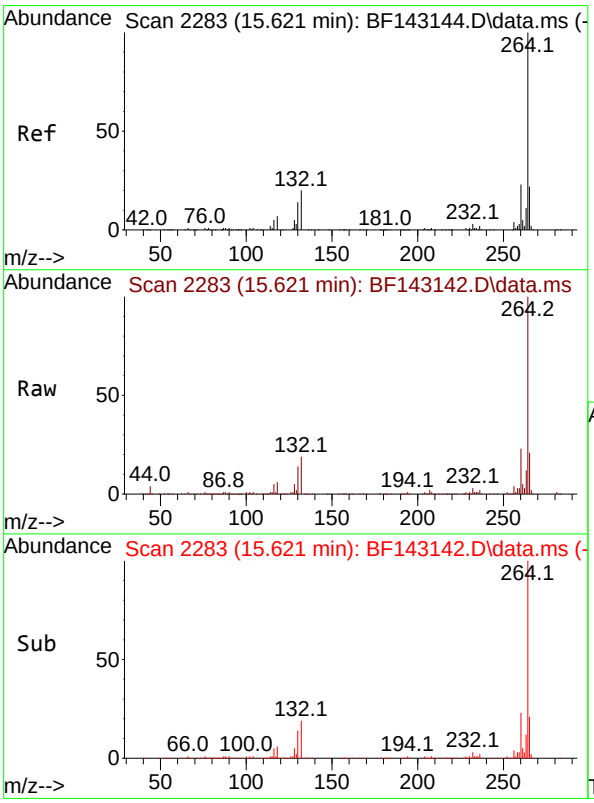
#85
Di-n-octyl phthalate
Concen: 8.881 ng
RT: 14.710 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

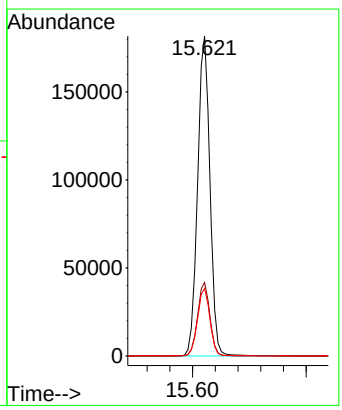


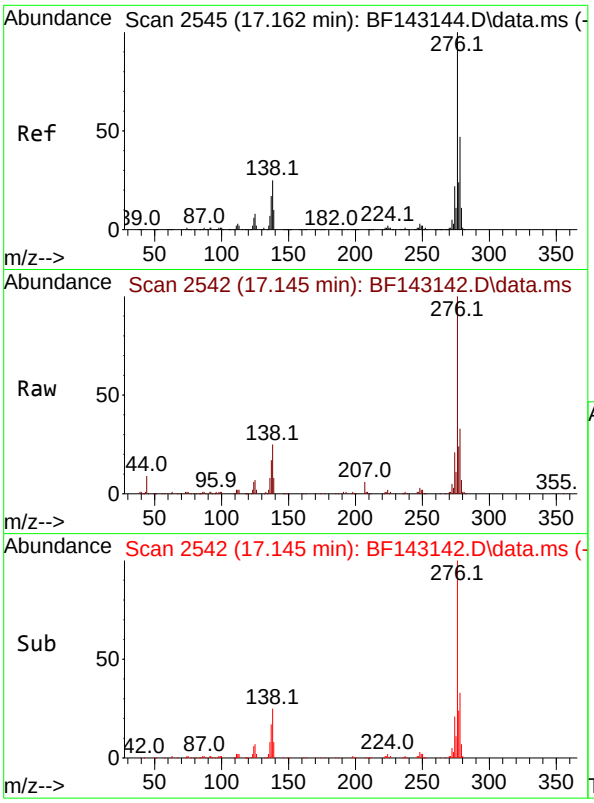


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



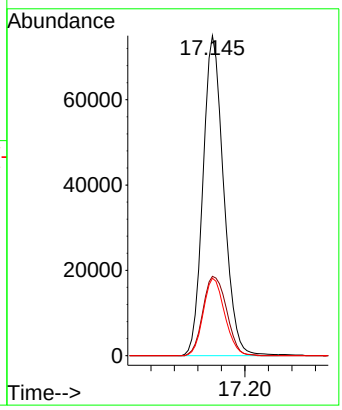


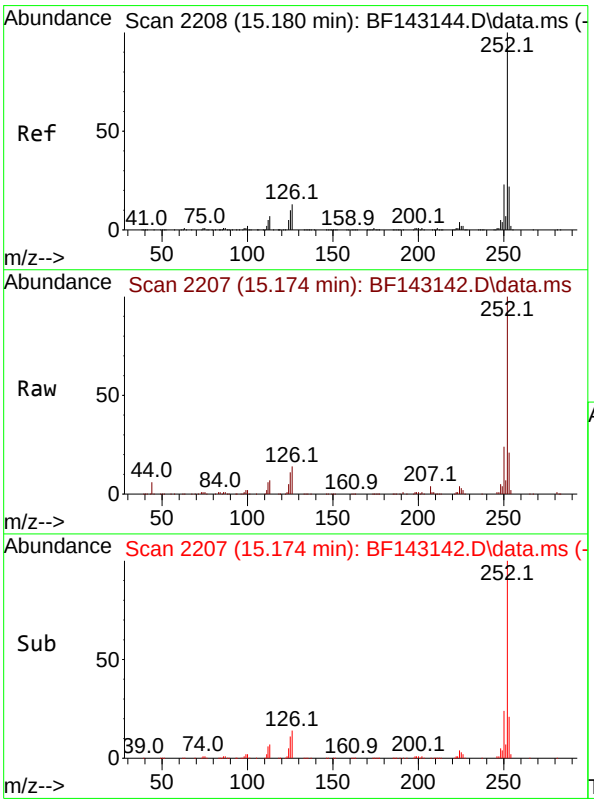
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.475 ng
RT: 17.145 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

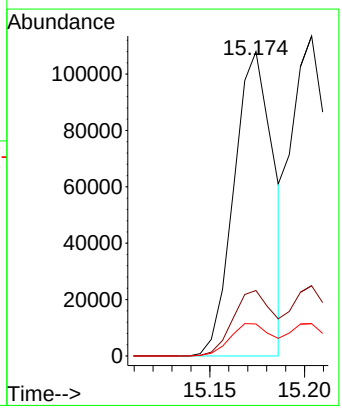


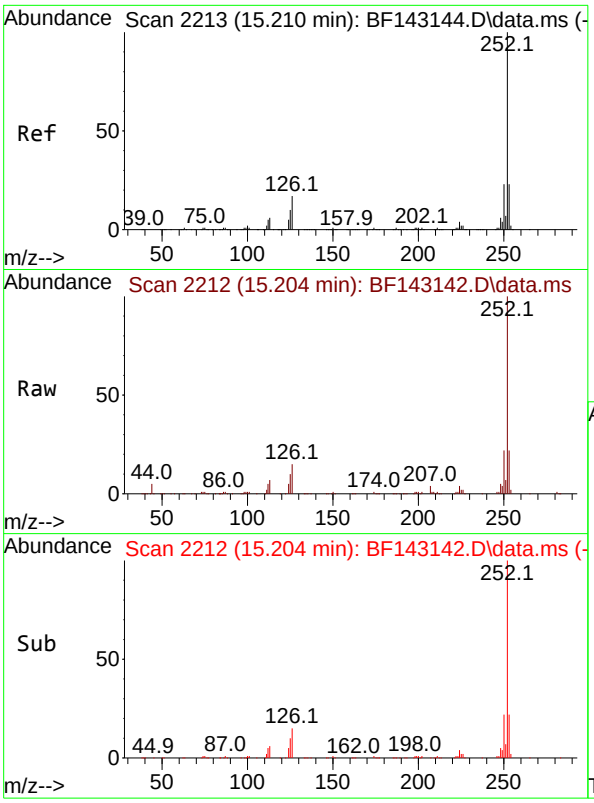


#88
Benzo(b)fluoranthene
Concen: 9.296 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



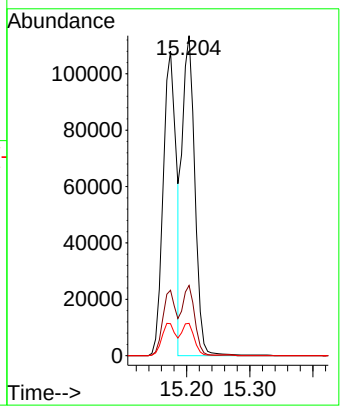


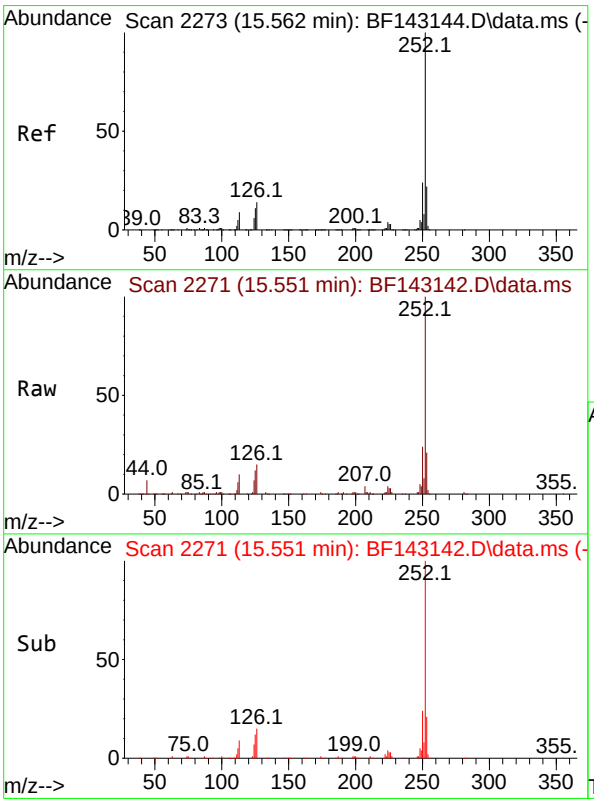
#89
Benzo(k)fluoranthene
Concen: 10.567 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

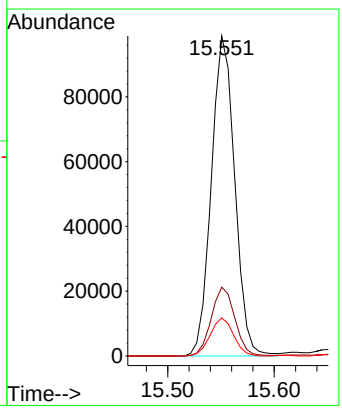


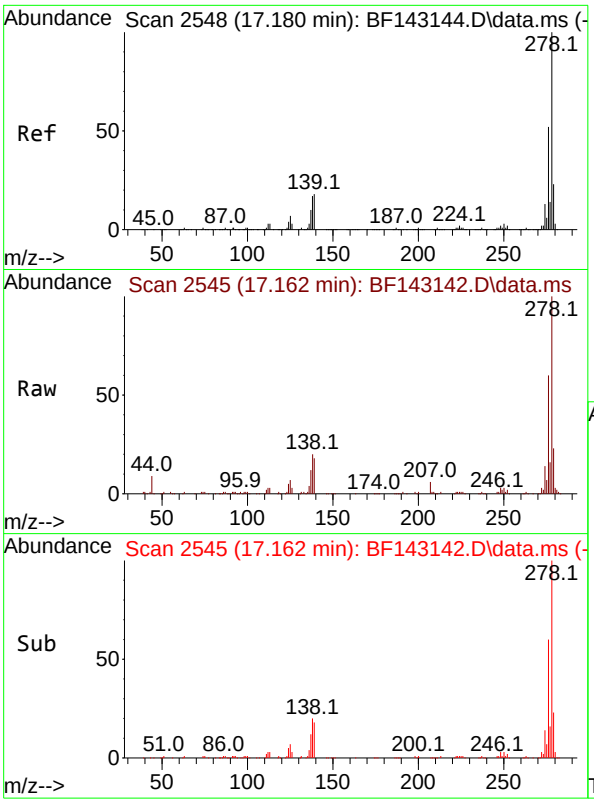


#90
Benzo(a)pyrene
Concen: 9.792 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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



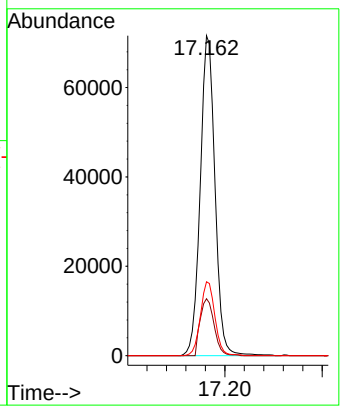


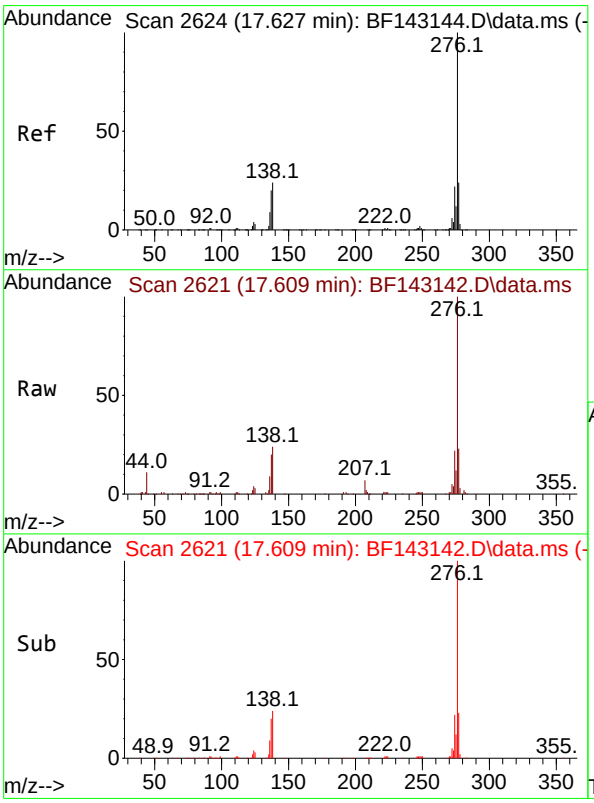
#91
Dibenzo(a,h)anthracene
Concen: 9.611 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

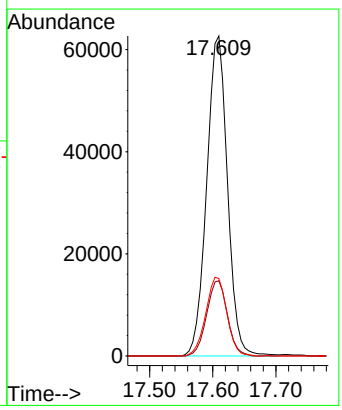




#92
Benzo(g,h,i)perylene
Concen: 9.433 ng
RT: 17.609 min Scan# 2621
Delta R.T. -0.018 min
Lab File: BF143142.D
Acq: 17 Jul 2025 12:04

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

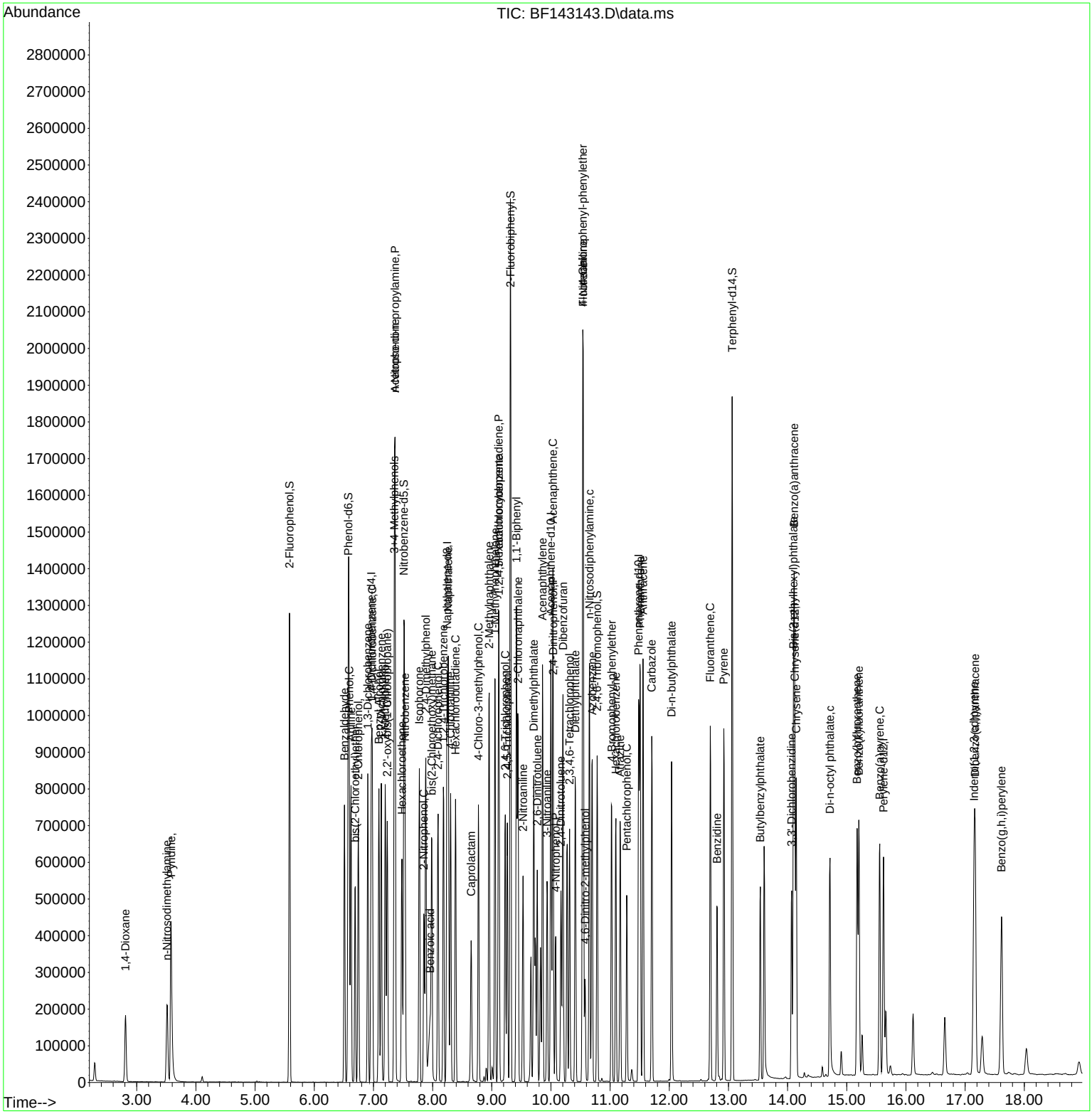
(#) = qualifier out of range (m) = manual integration (+) = signals summed

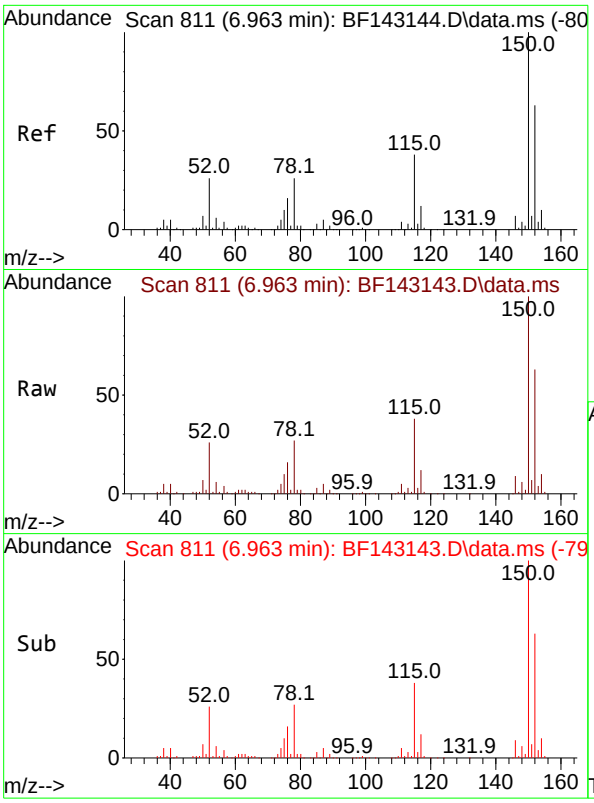
Quantitation Report (Not Reviewed)

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



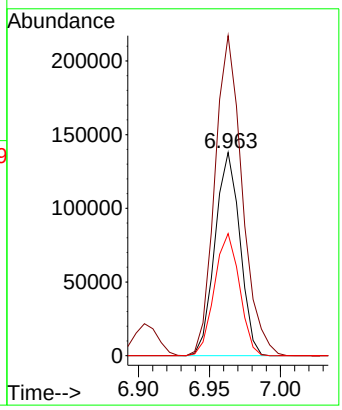


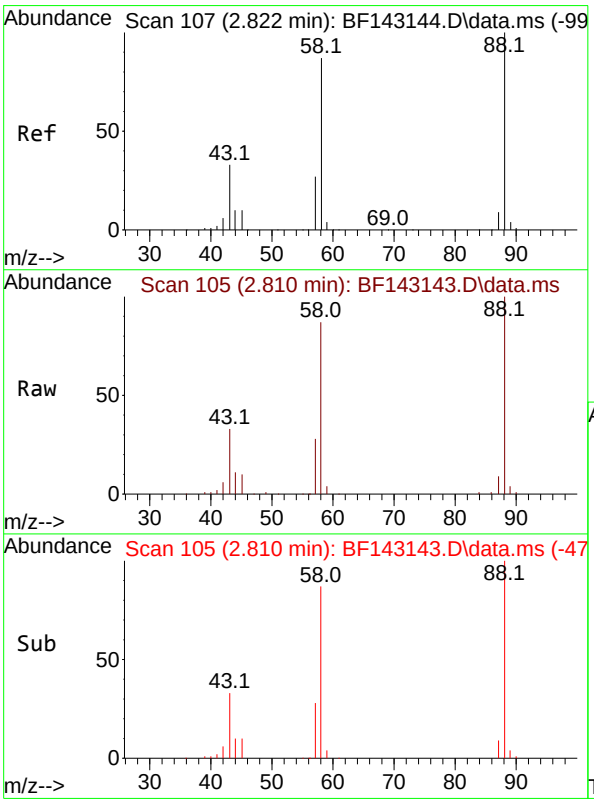
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

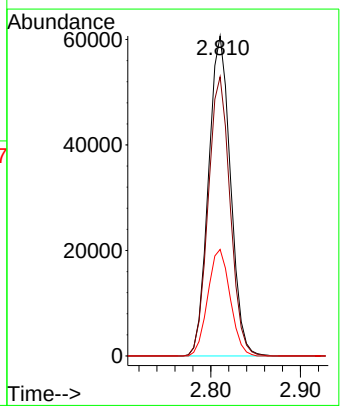


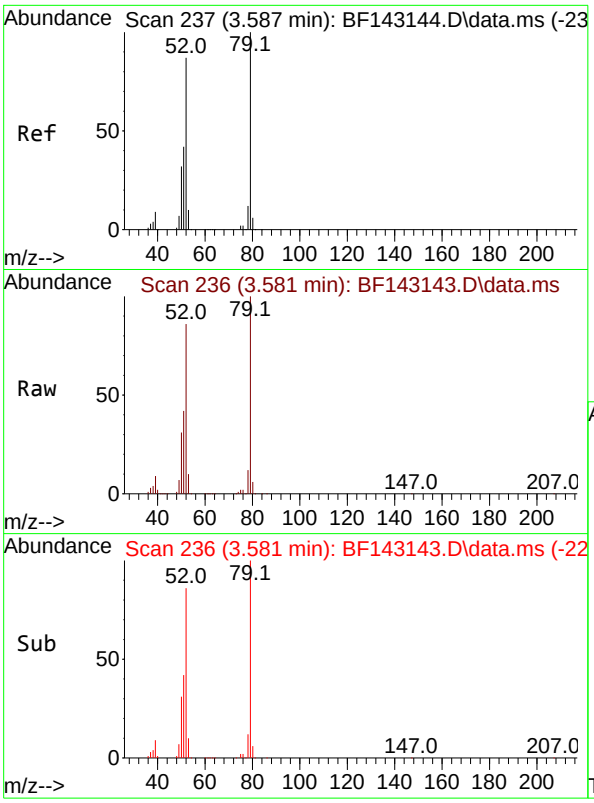


#2
1,4-Dioxane
Concen: 20.540 ng
RT: 2.810 min Scan# 105
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



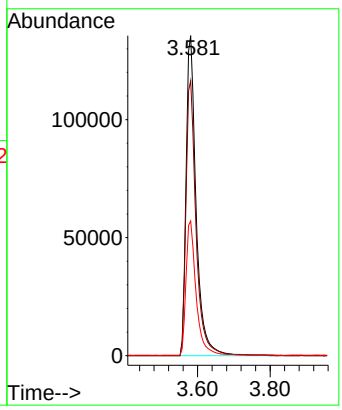


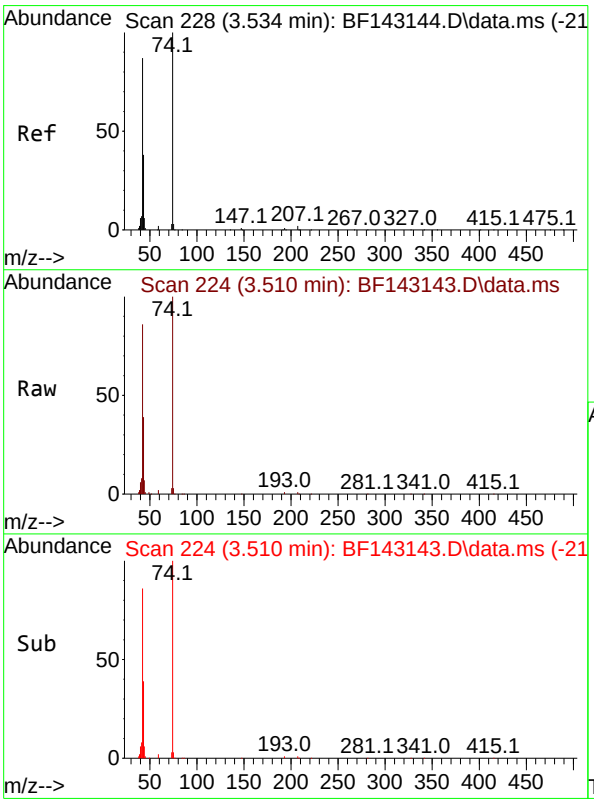
#3
Pyridine
Concen: 19.990 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

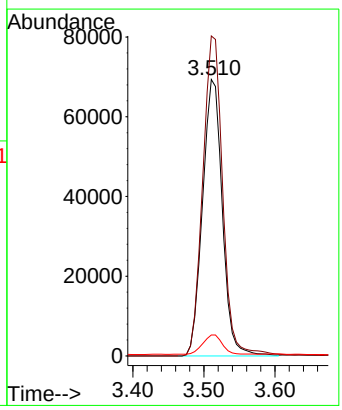


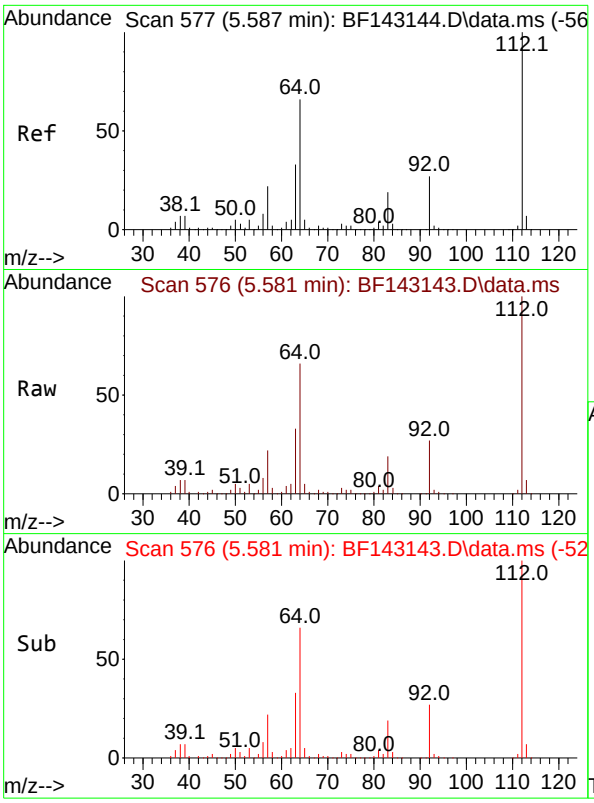


#4
n-Nitrosodimethylamine
Concen: 19.942 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



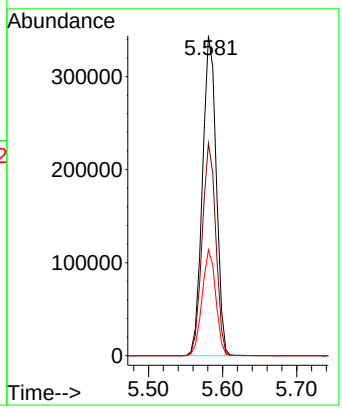


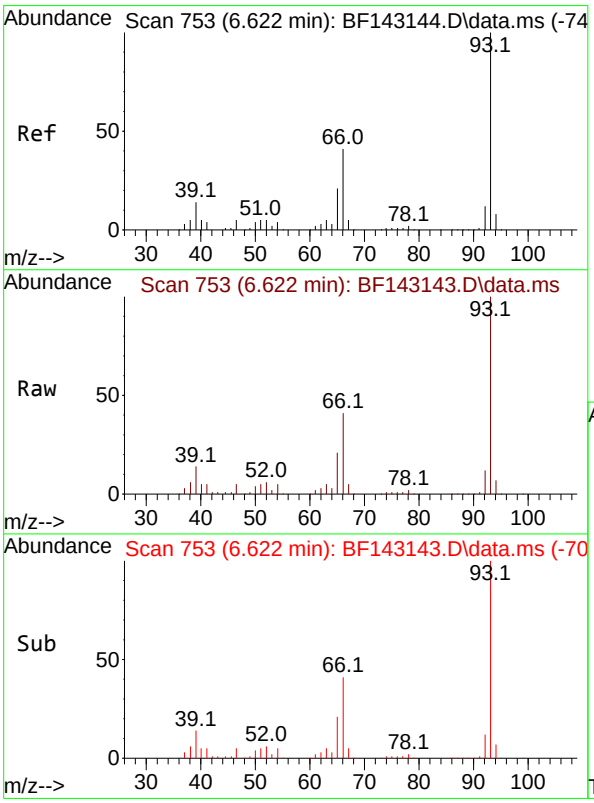
#5
2-Fluorophenol
Concen: 41.752 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

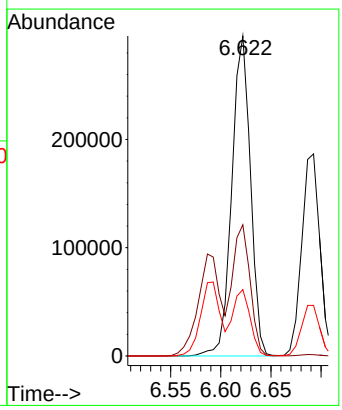


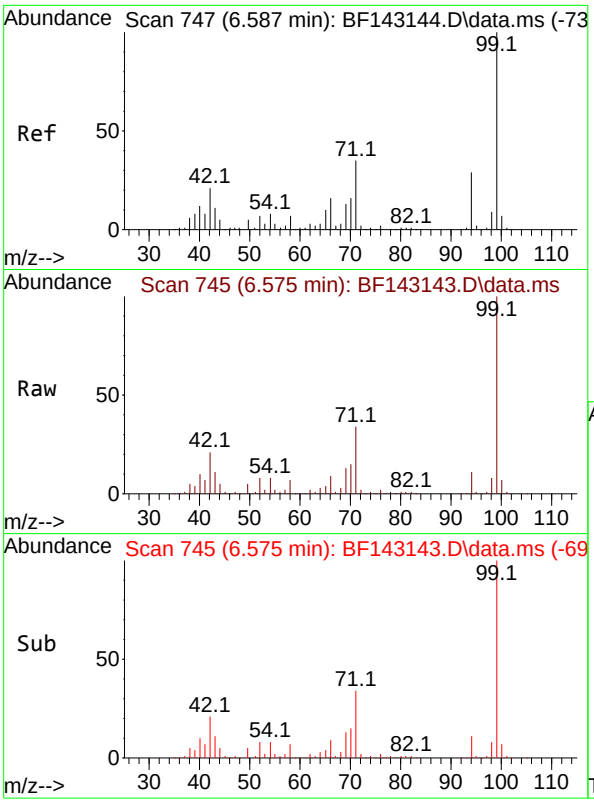


#6
Aniline
Concen: 20.505 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



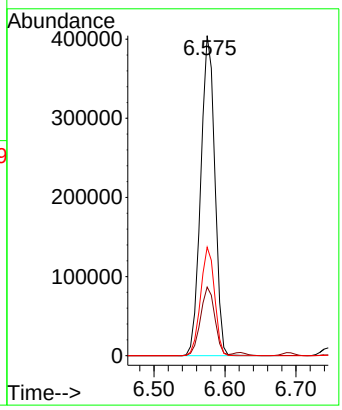


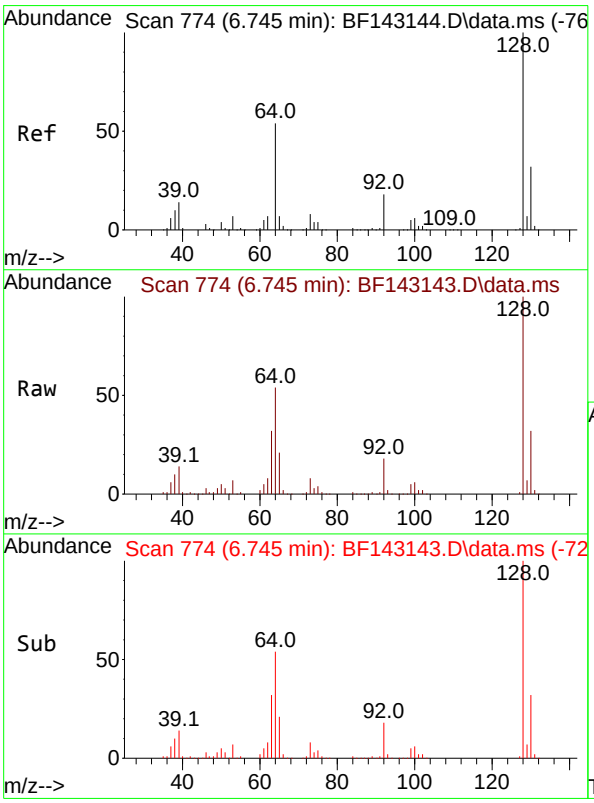
#7
Phenol-d6
Concen: 41.668 ng
RT: 6.575 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

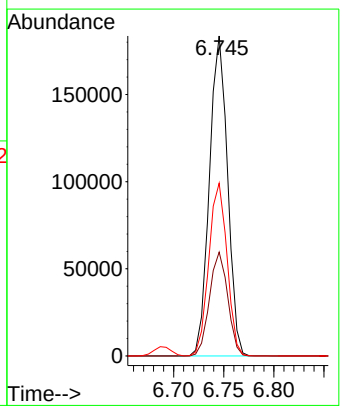


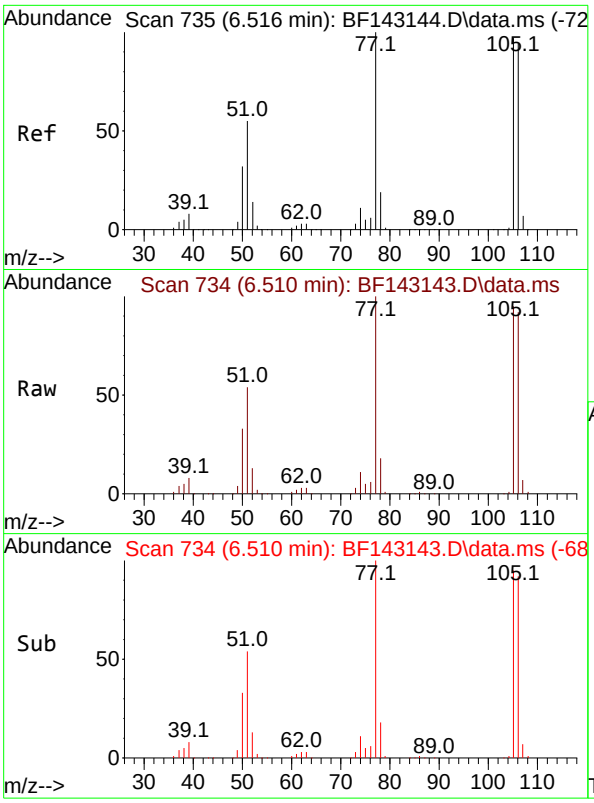


#8
2-Chlorophenol
Concen: 20.702 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



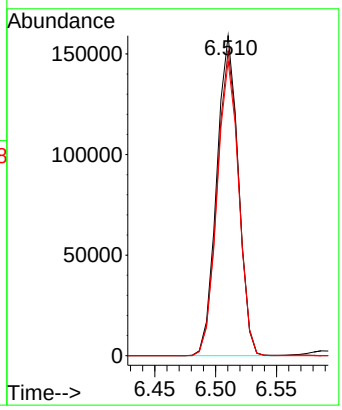


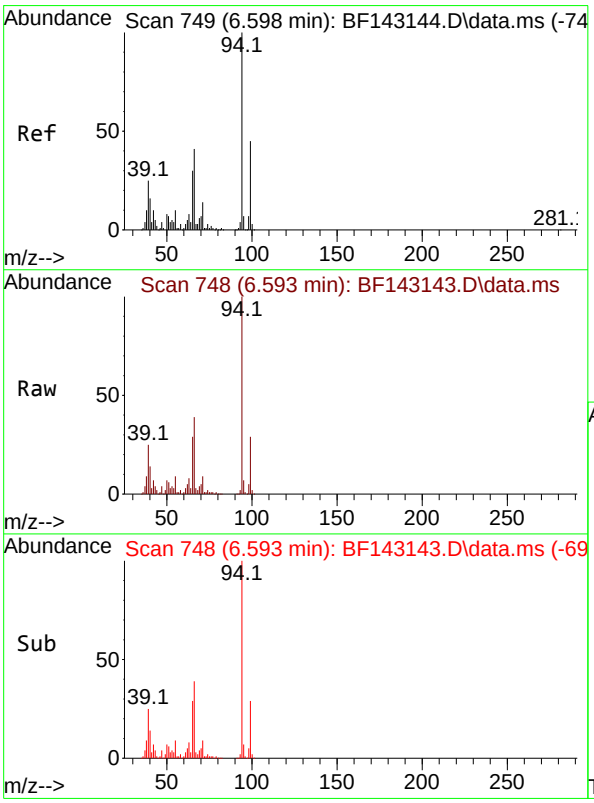
#9
Benzaldehyde
Concen: 19.504 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

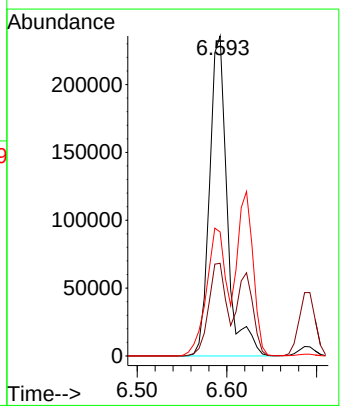


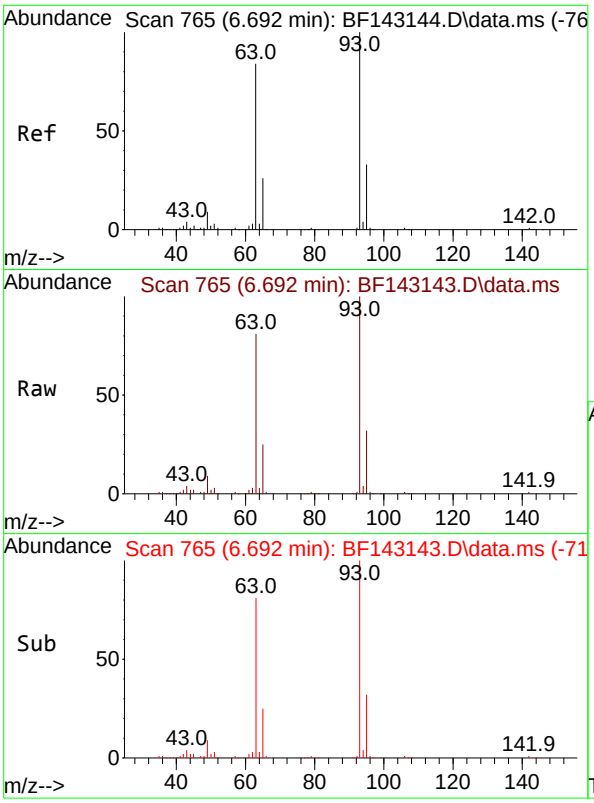


#10
Phenol
Concen: 22.068 ng
RT: 6.593 min Scan# 748
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



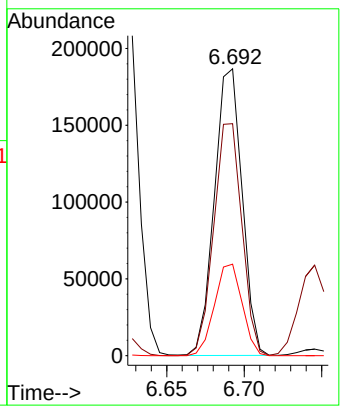


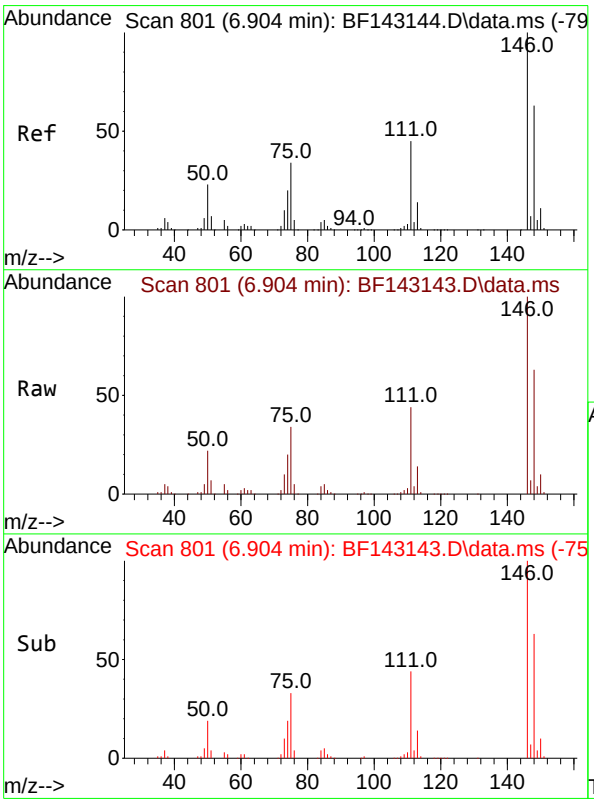
#11
bis(2-Chloroethyl)ether
Concen: 20.792 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

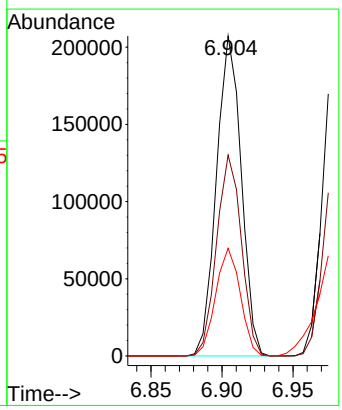


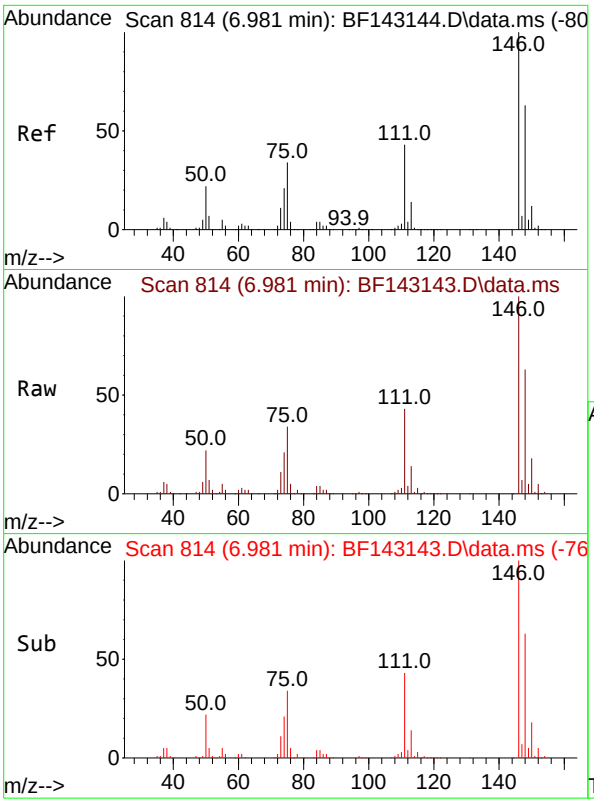


#12
1,3-Dichlorobenzene
Concen: 20.763 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



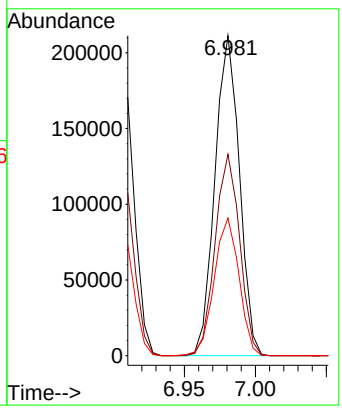


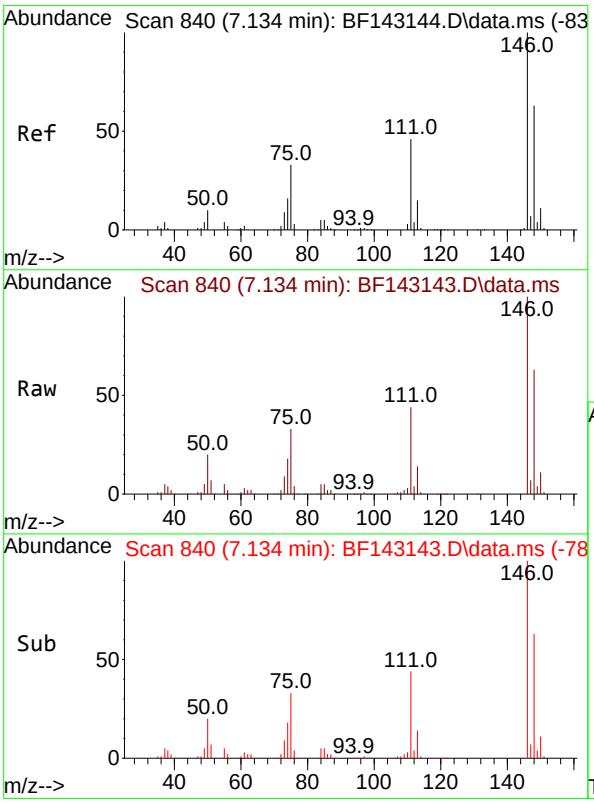
#13
1,4-Dichlorobenzene
Concen: 20.733 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

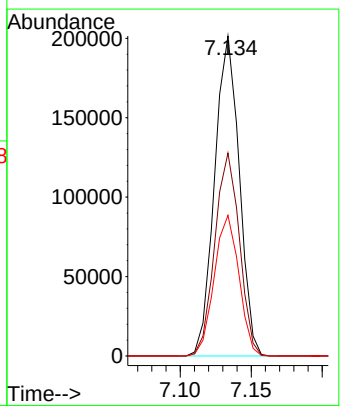


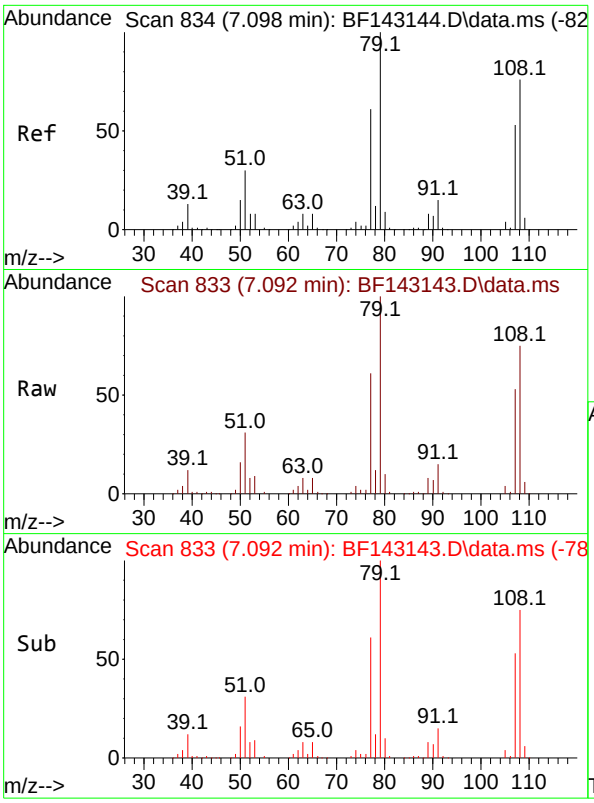


#14
1,2-Dichlorobenzene
Concen: 20.963 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



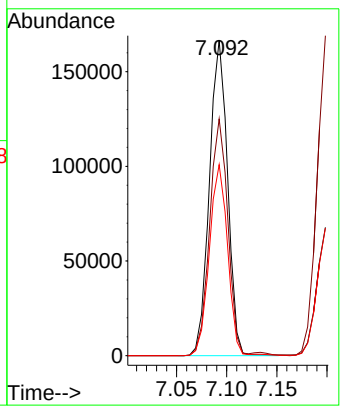


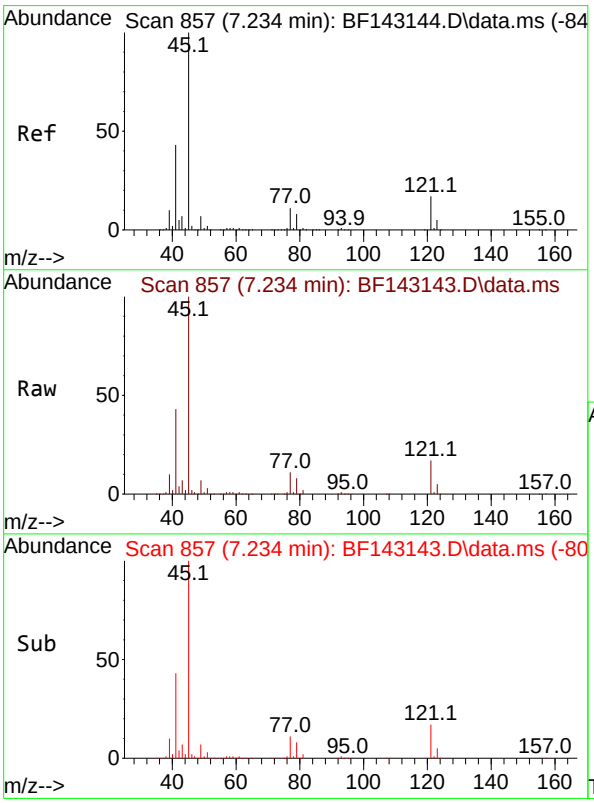
#15
Benzyl Alcohol
Concen: 20.524 ng
RT: 7.092 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

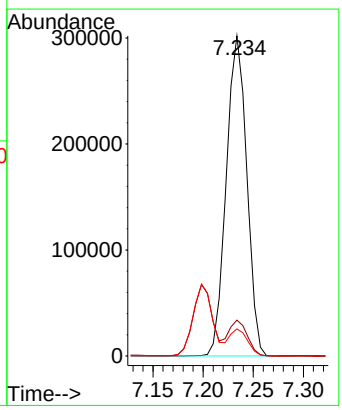


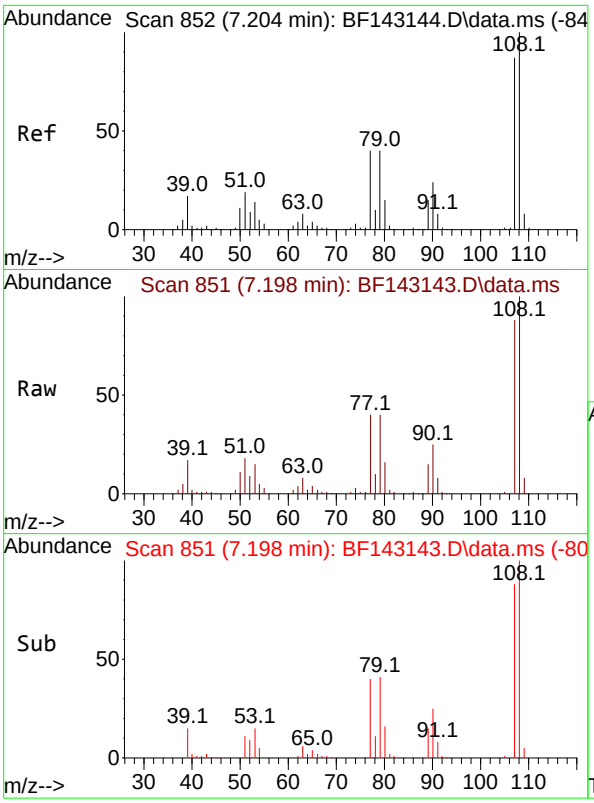


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.680 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



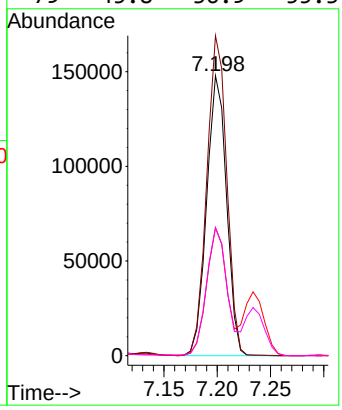


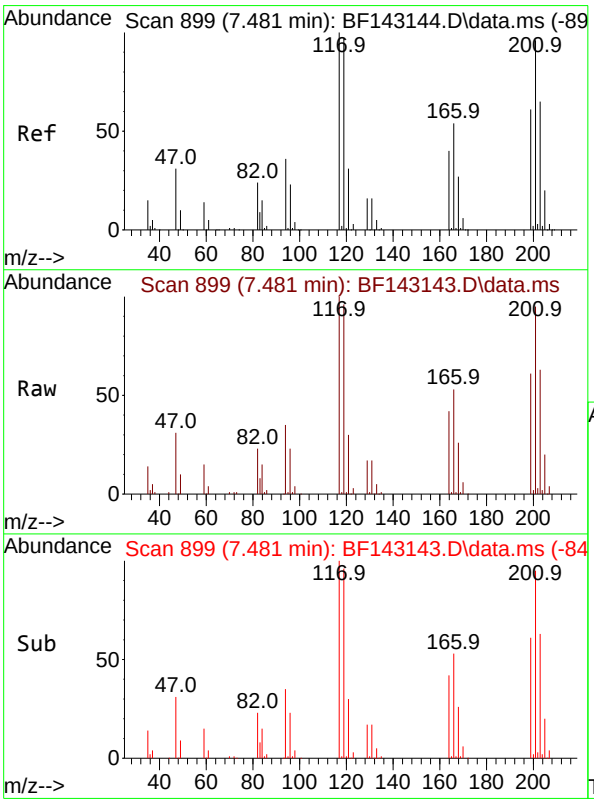
#17
2-Methylphenol
Concen: 20.479 ng
RT: 7.198 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

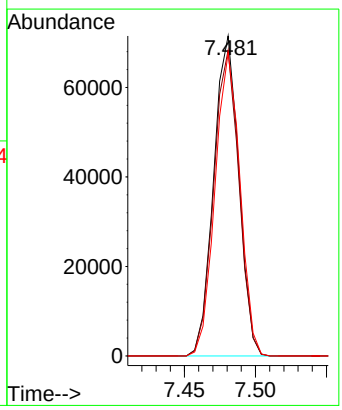


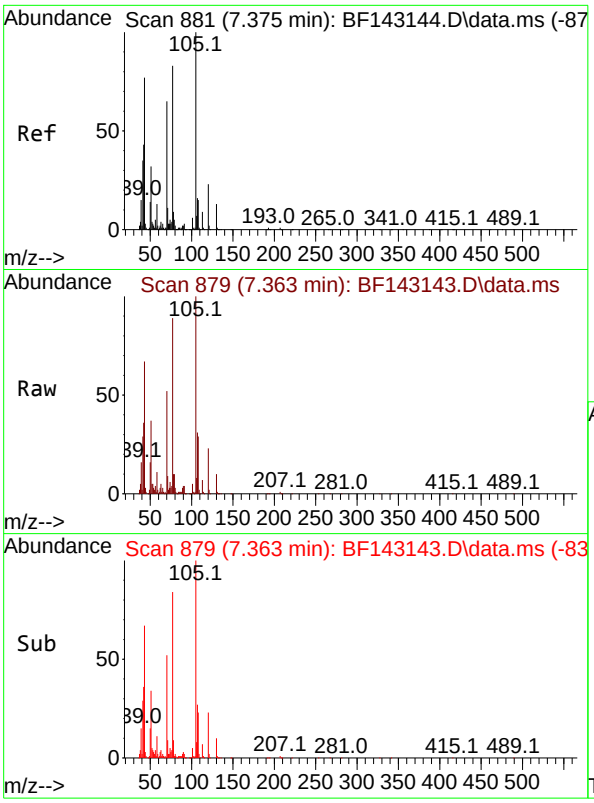


#18
Hexachloroethane
Concen: 20.828 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



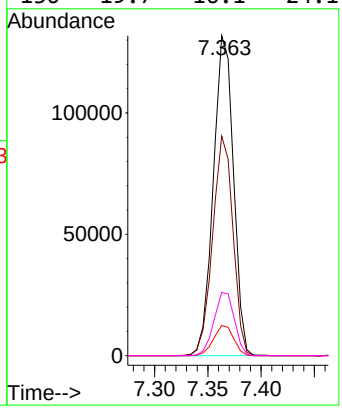


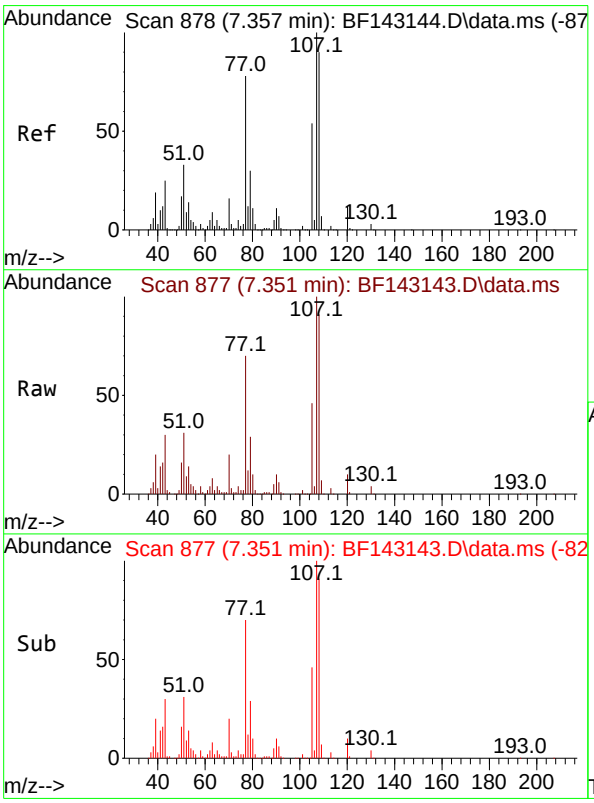
#19
n-Nitroso-di-n-propylamine
Concen: 20.137 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

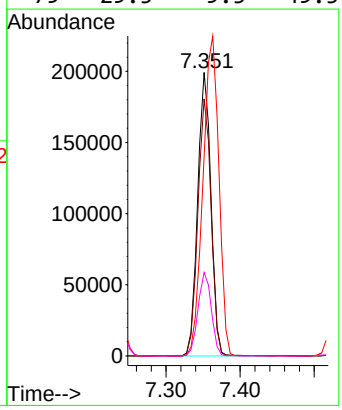


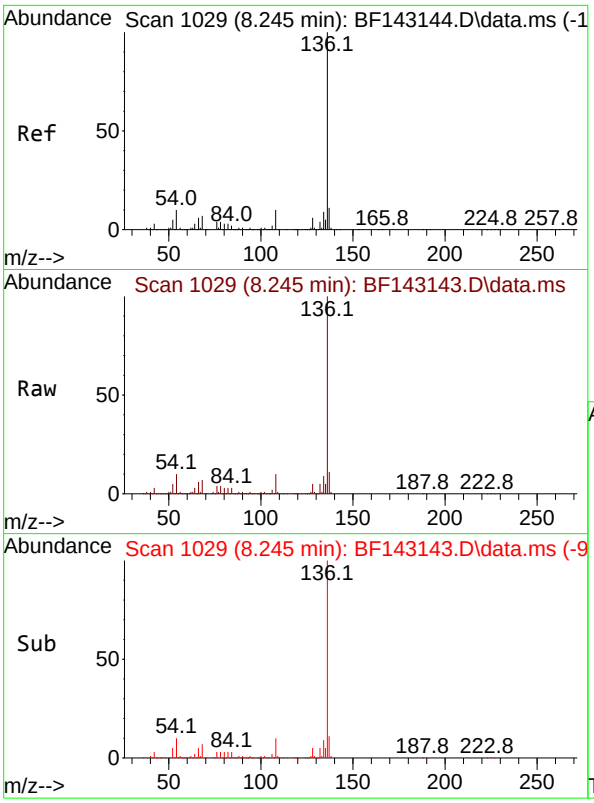


#20
3+4-Methylphenols
Concen: 21.745 ng
RT: 7.351 min Scan# 877
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



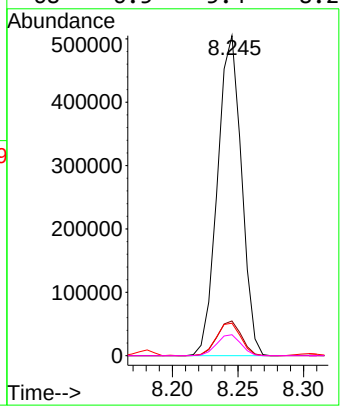


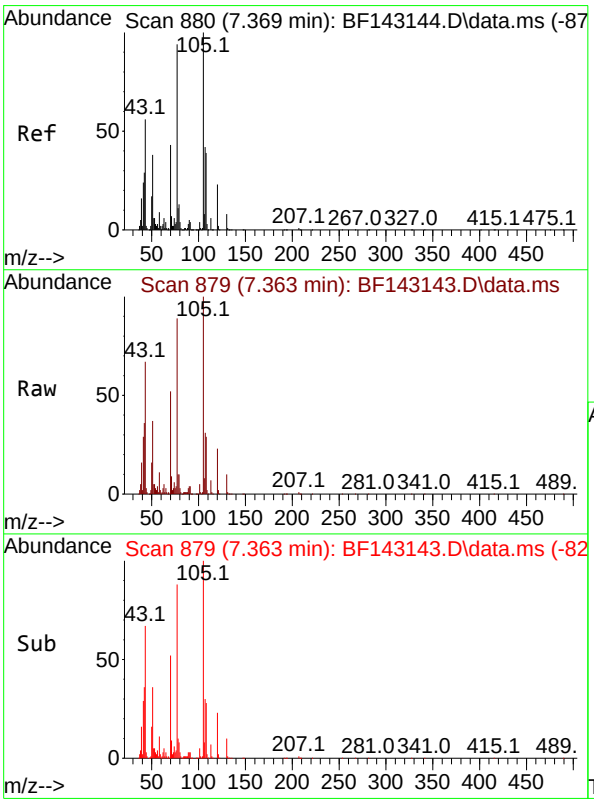
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

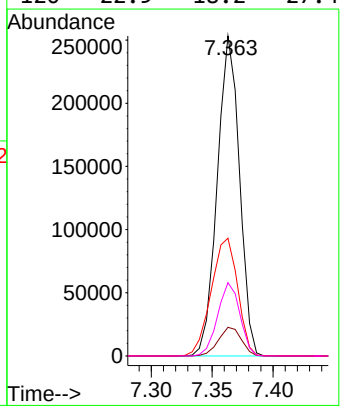


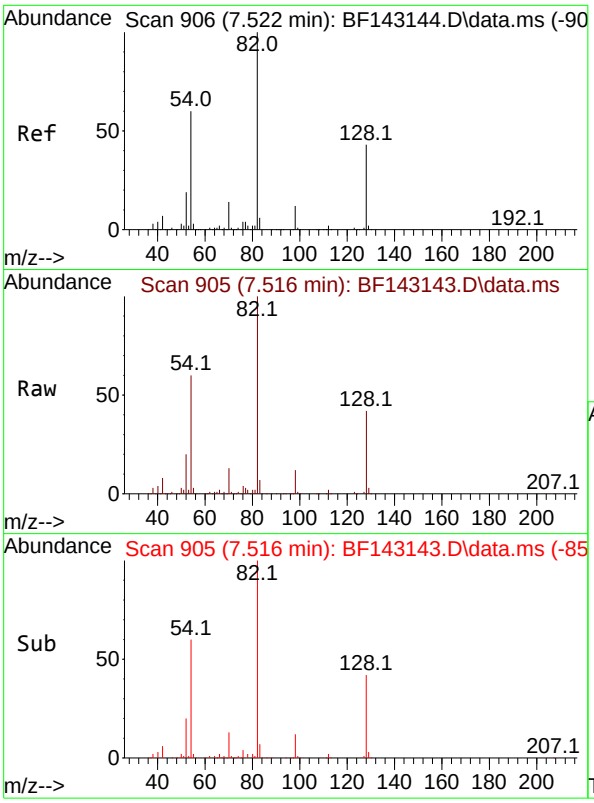


#22
Acetophenone
Concen: 21.151 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



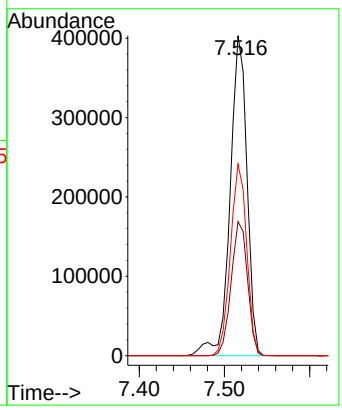


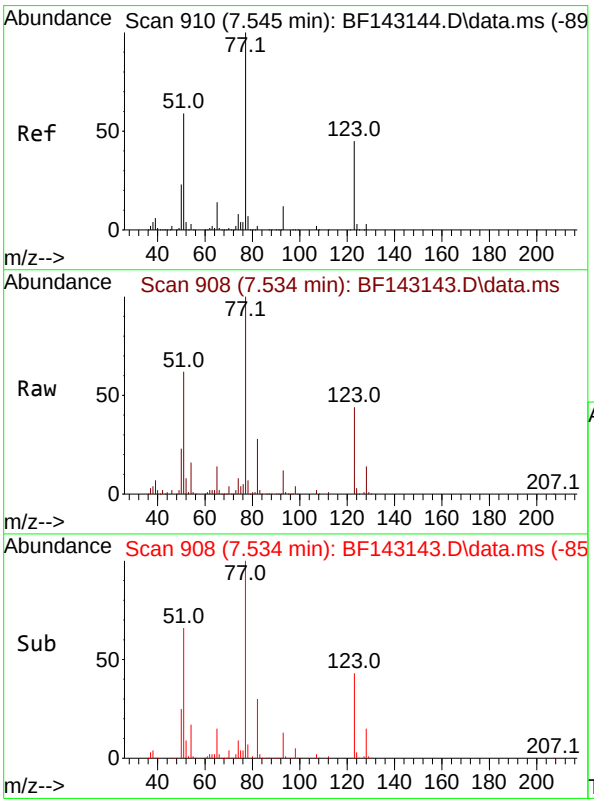
#23
Nitrobenzene-d5
Concen: 43.013 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

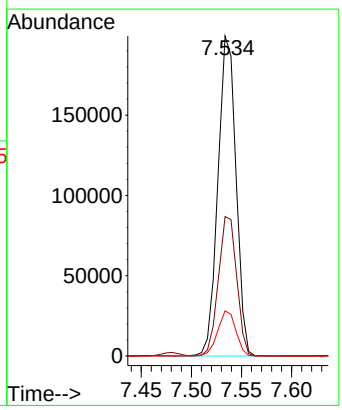


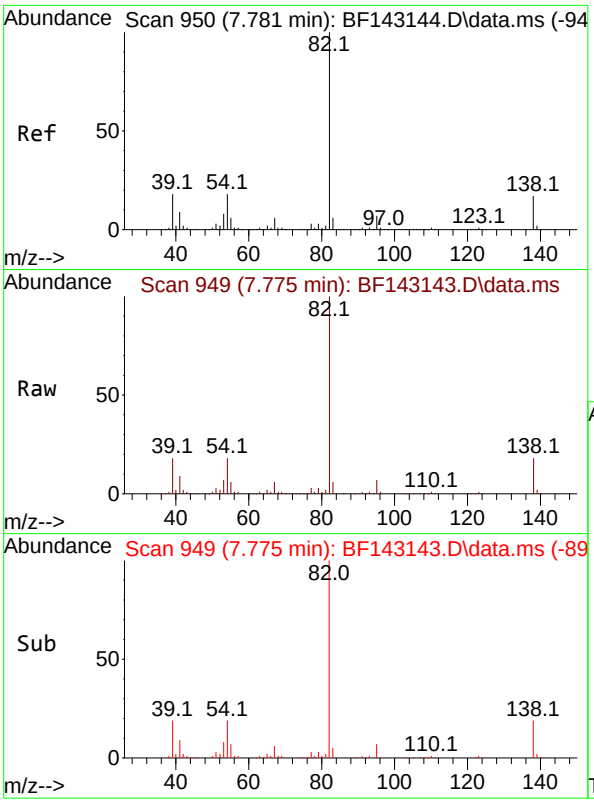


#24
Nitrobenzene
Concen: 20.739 ng
RT: 7.534 min Scan# 908
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



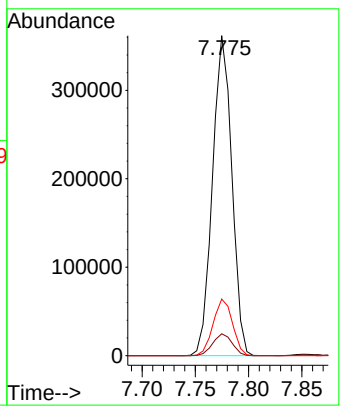


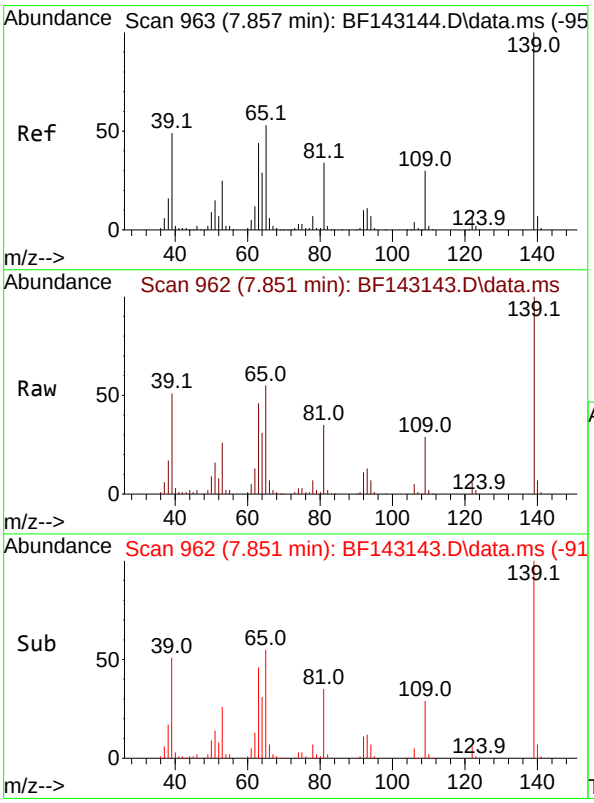
#25
Isophorone
Concen: 20.088 ng
RT: 7.775 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

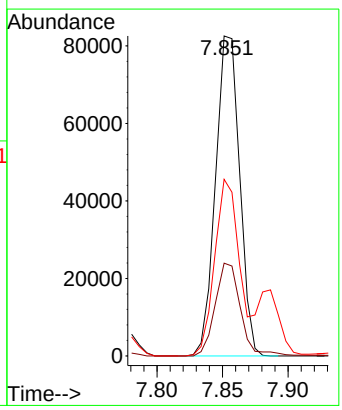


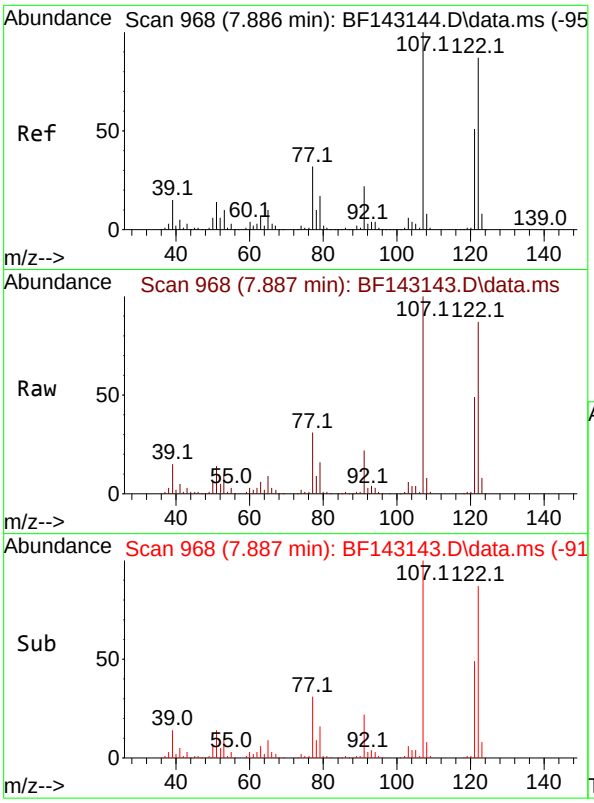


#26
2-Nitrophenol
Concen: 20.261 ng
RT: 7.851 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



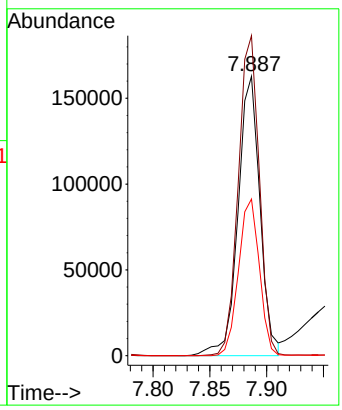


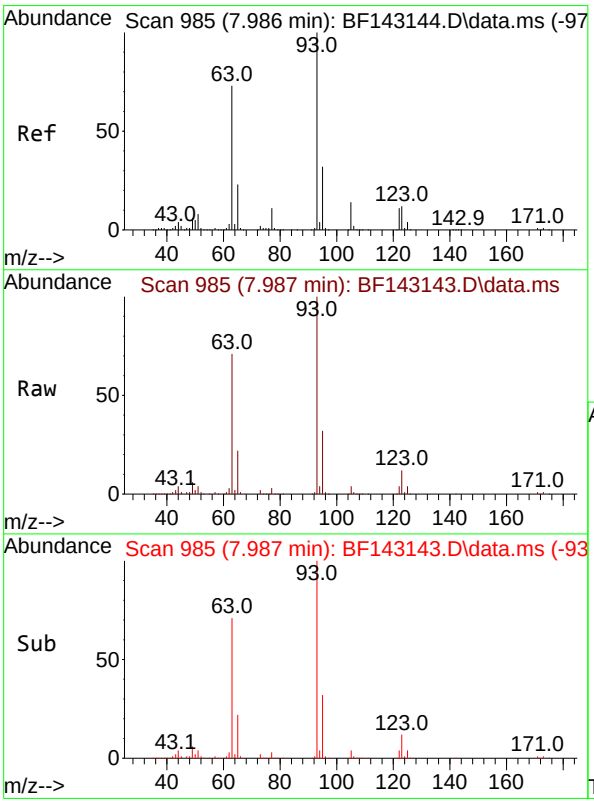
#27
2,4-Dimethylphenol
Concen: 20.594 ng
RT: 7.887 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

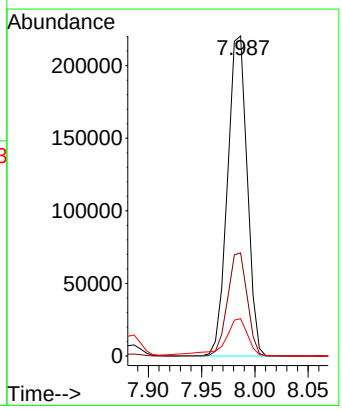


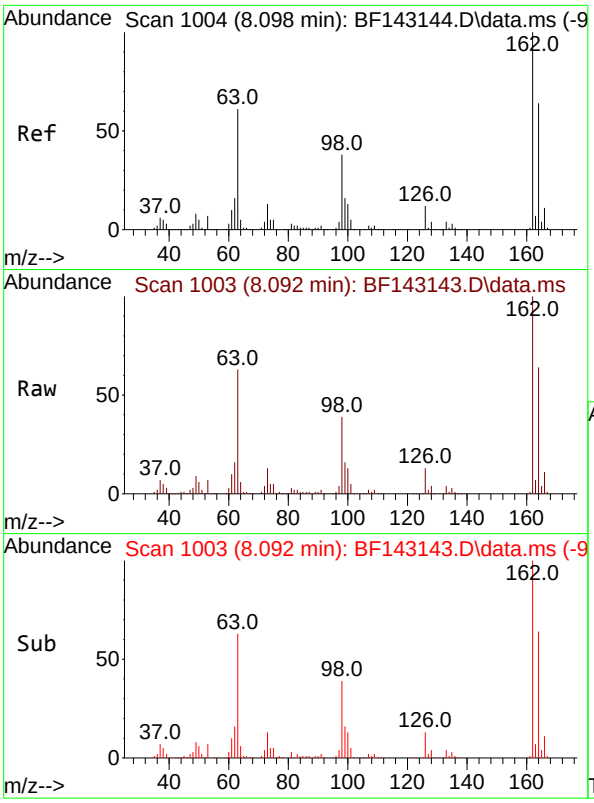


#28
bis(2-Chloroethoxy)methane
Concen: 20.811 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



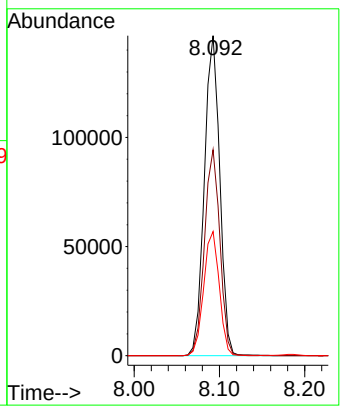


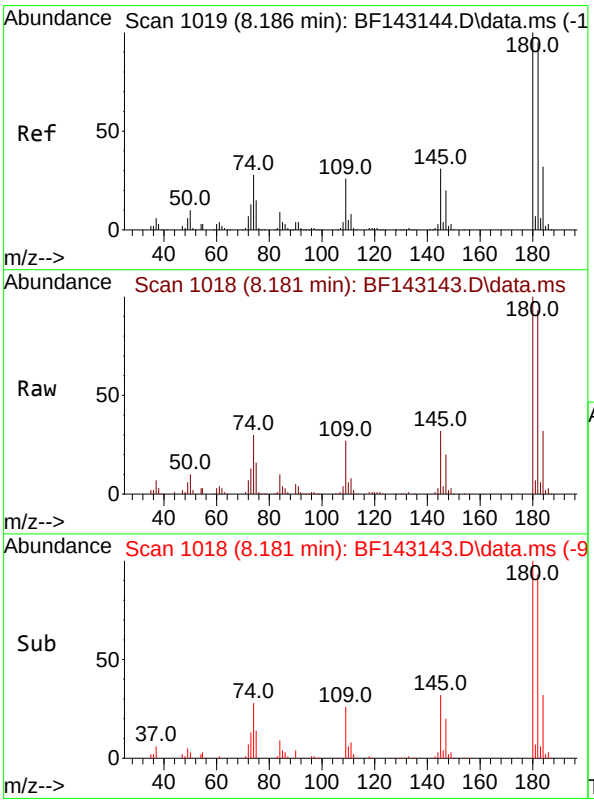
#29
2,4-Dichlorophenol
Concen: 20.569 ng
RT: 8.092 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

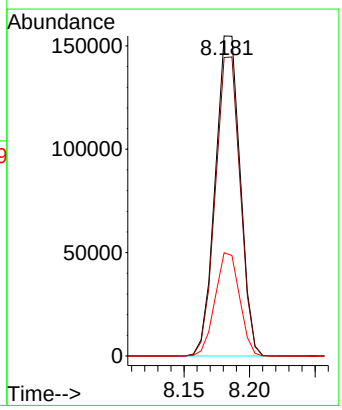


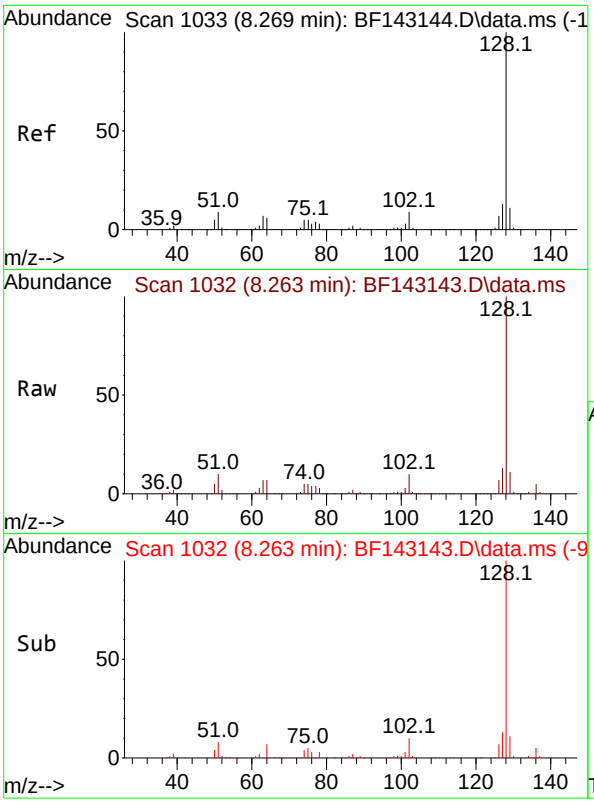


#30
1,2,4-Trichlorobenzene
Concen: 21.070 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



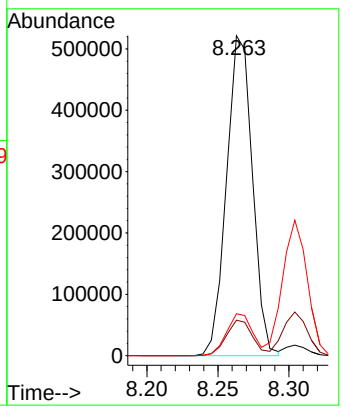


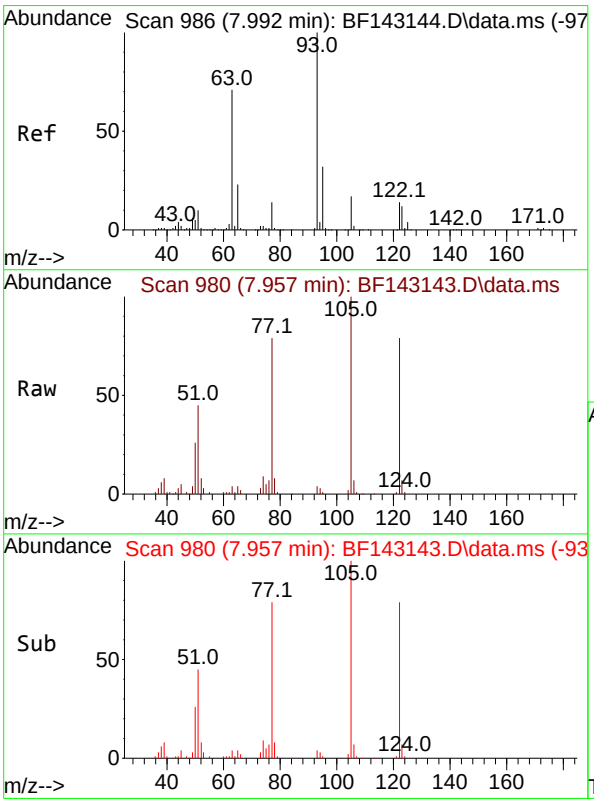
#31
Naphthalene
Concen: 20.949 ng
RT: 8.263 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

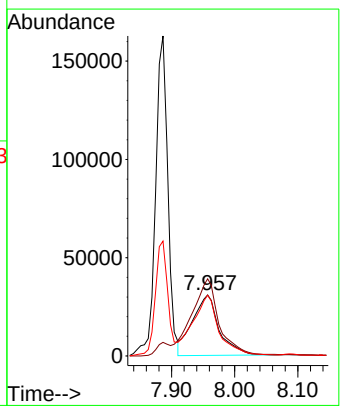


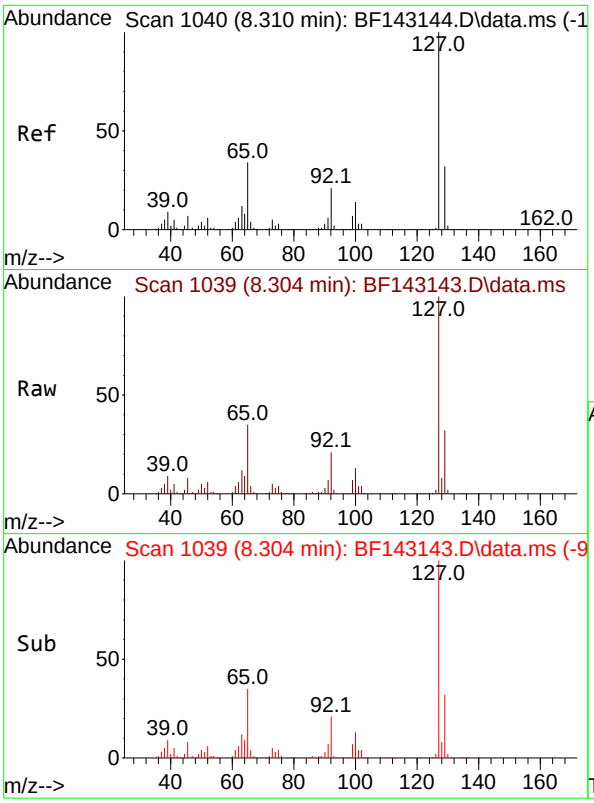


#32
Benzoic acid
Concen: 18.667 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



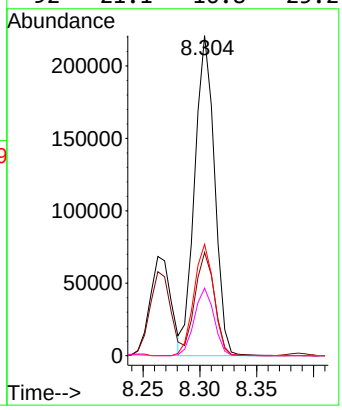


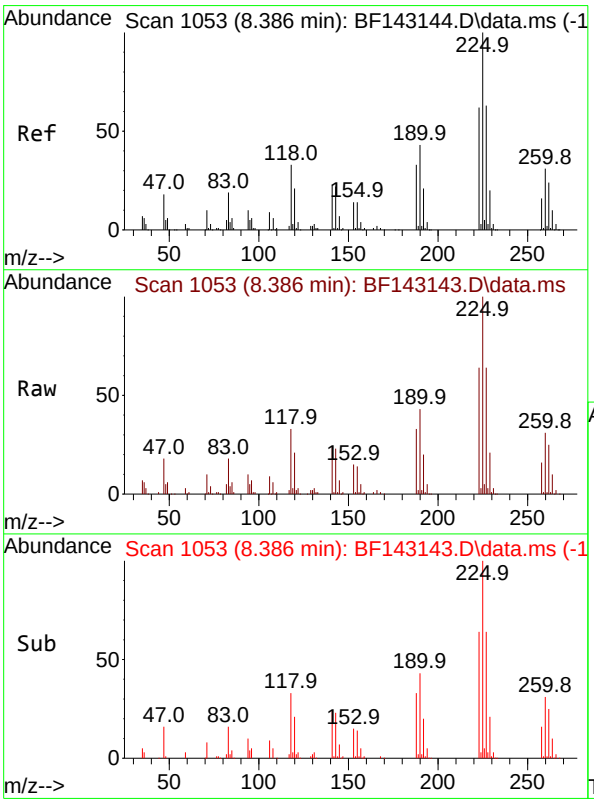
#33
4-Chloroaniline
Concen: 20.825 ng
RT: 8.304 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

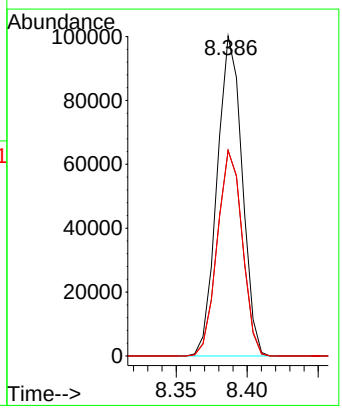


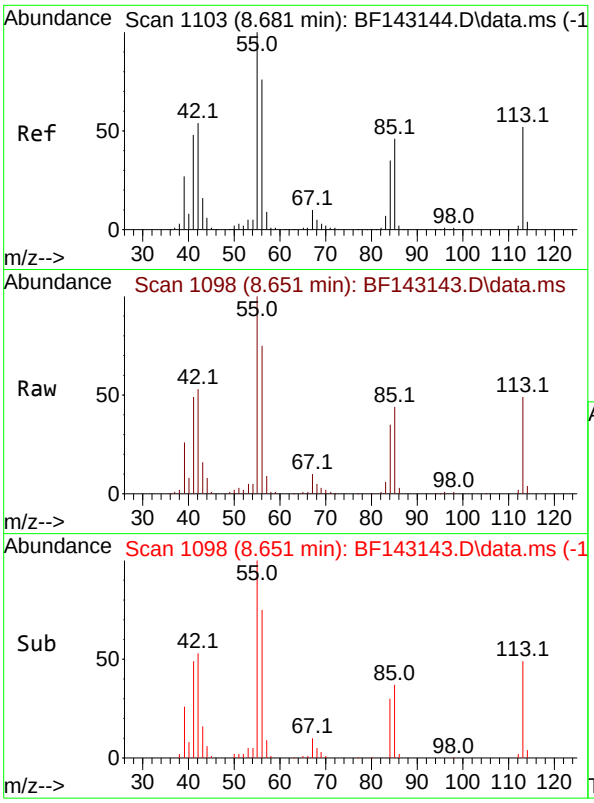


#34
Hexachlorobutadiene
Concen: 20.722 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



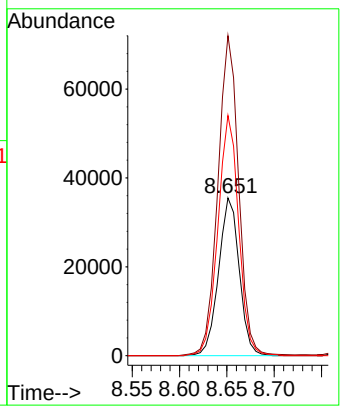


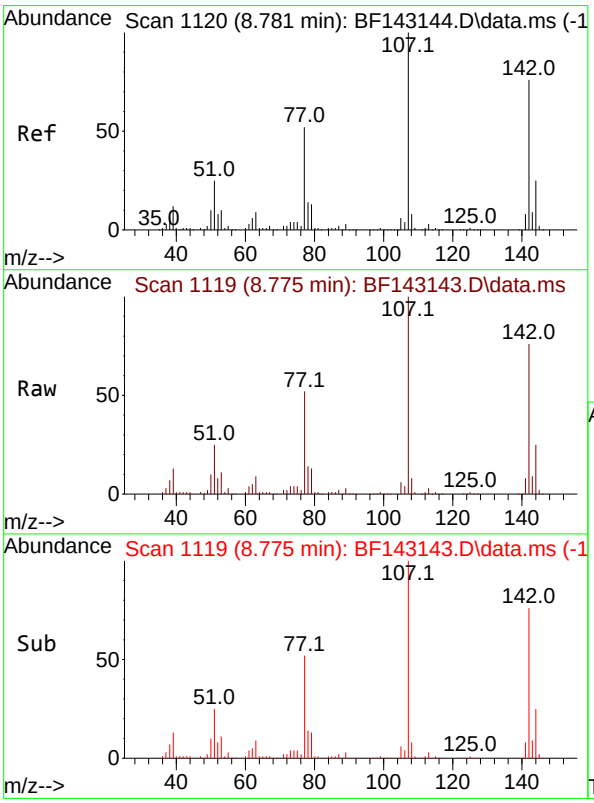
#35
Caprolactam
Concen: 19.911 ng
RT: 8.651 min Scan# 1(
Delta R.T. -0.029 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

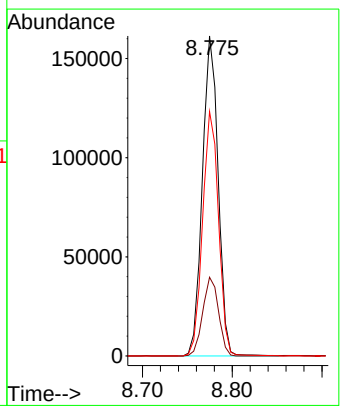


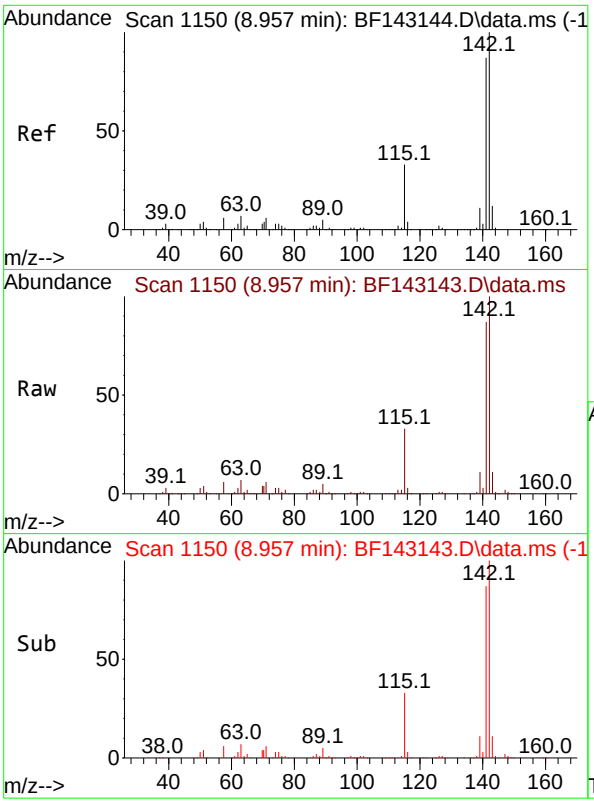


#36
4-Chloro-3-methylphenol
Concen: 20.246 ng
RT: 8.775 min Scan# 1119
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



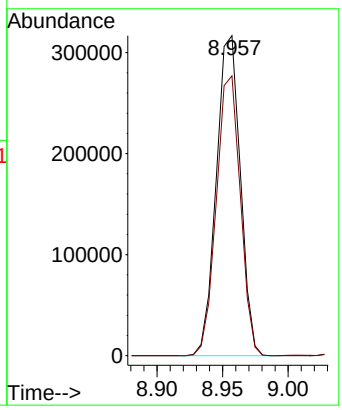


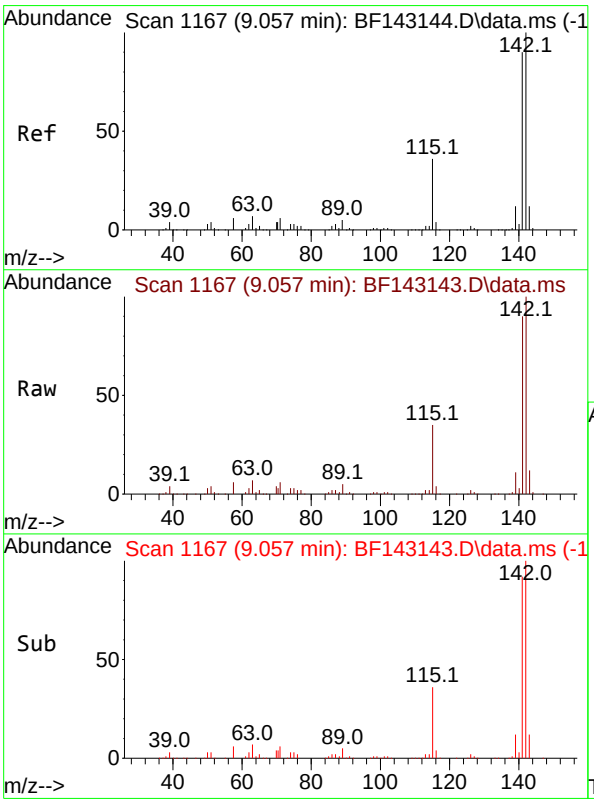
#37
2-Methylnaphthalene
Concen: 20.943 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 403298

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.9	104.9

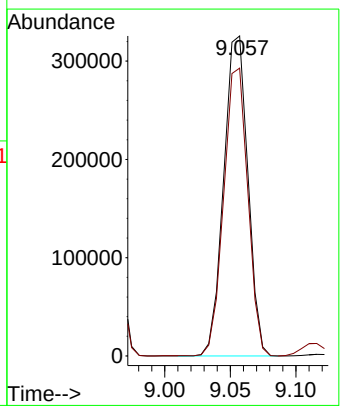


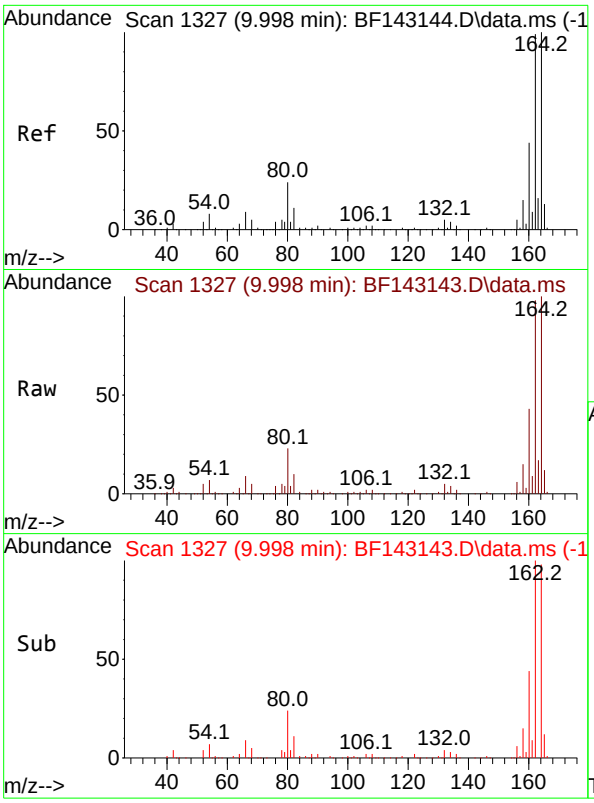


#38
1-Methylnaphthalene
Concen: 21.060 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

Tgt Ion:142 Resp: 417629

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.3	108.5



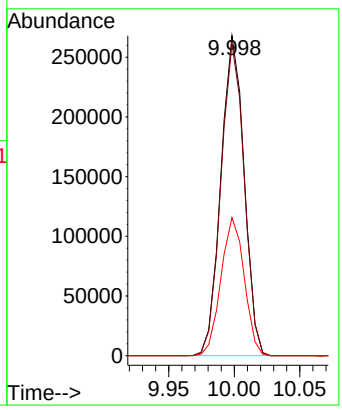


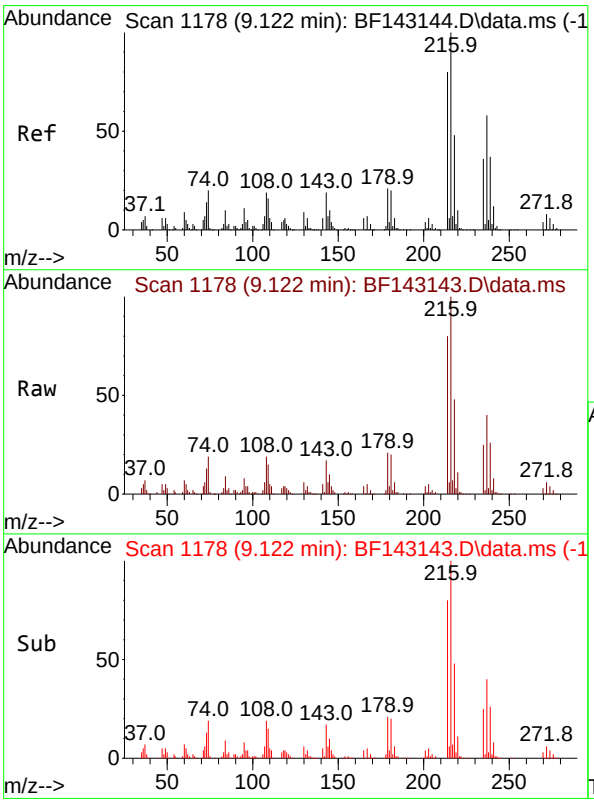
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

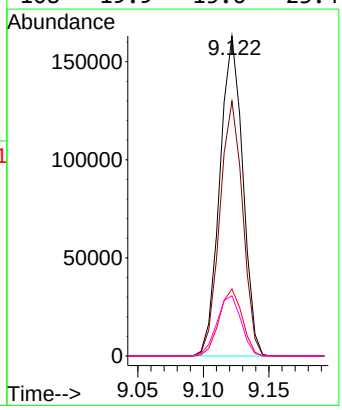


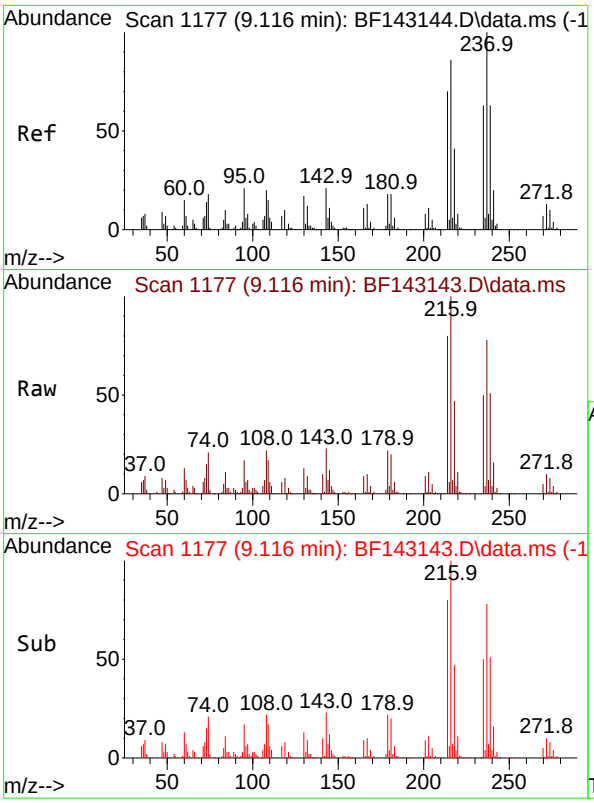


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.804 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



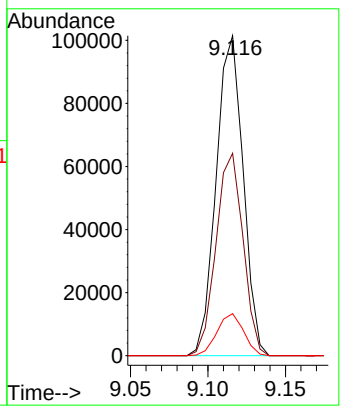


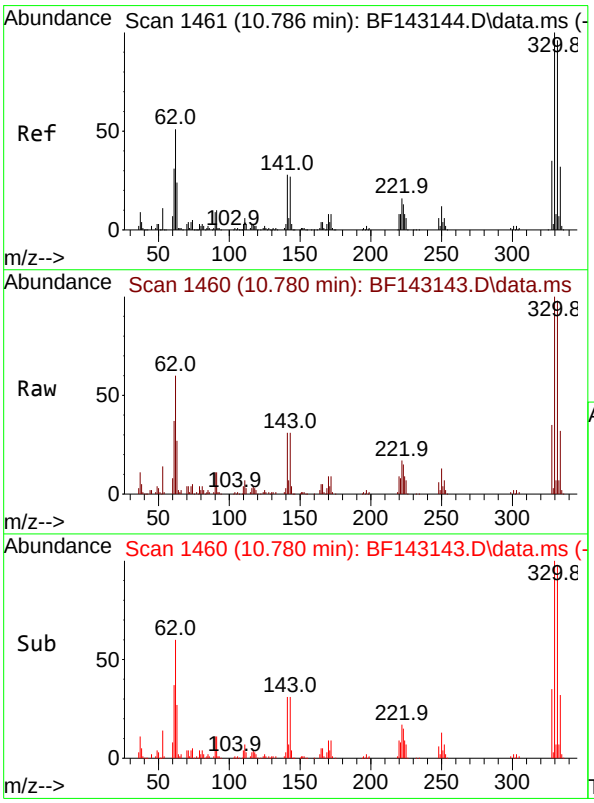
#41
Hexachlorocyclopentadiene
Concen: 19.848 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

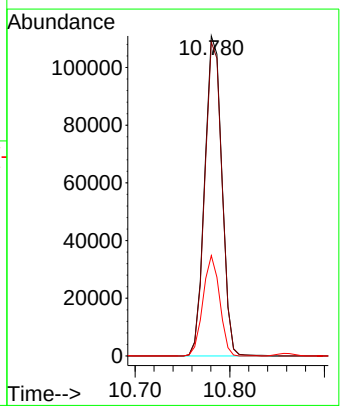


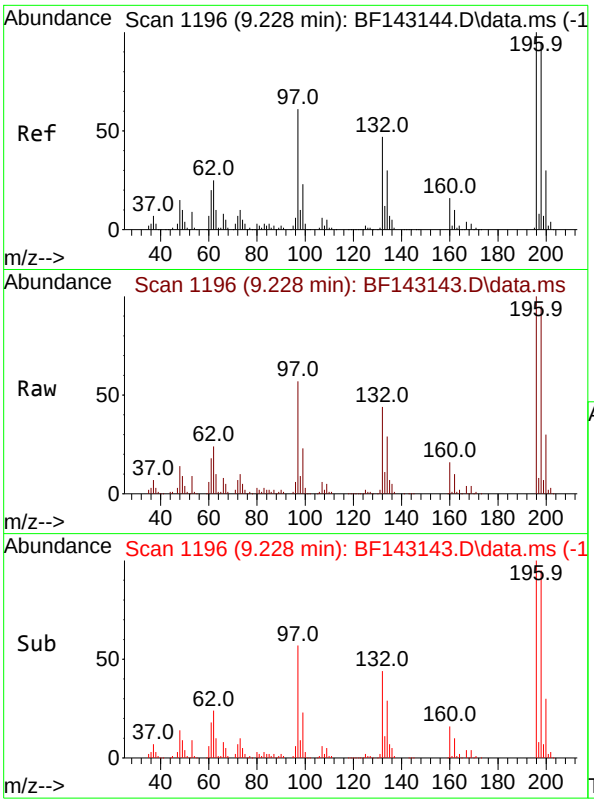


#42
2,4,6-Tribromophenol
Concen: 41.034 ng
RT: 10.780 min Scan# 1460
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



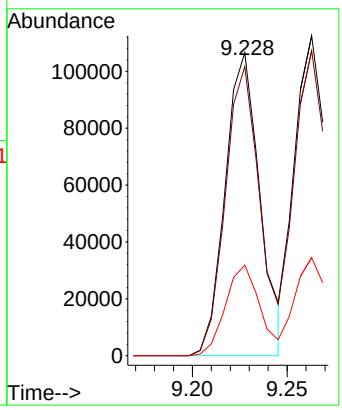


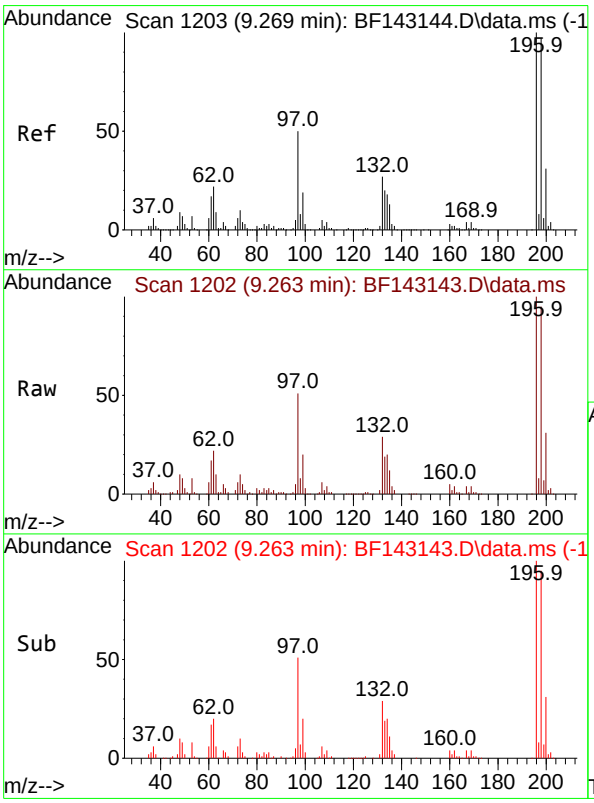
#43
2,4,6-Trichlorophenol
Concen: 20.601 ng
RT: 9.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

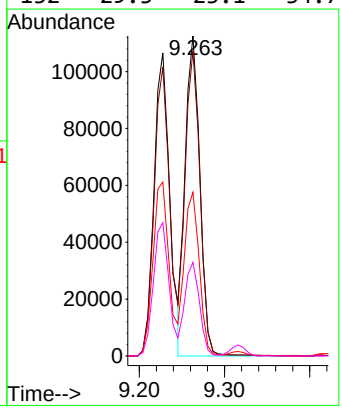


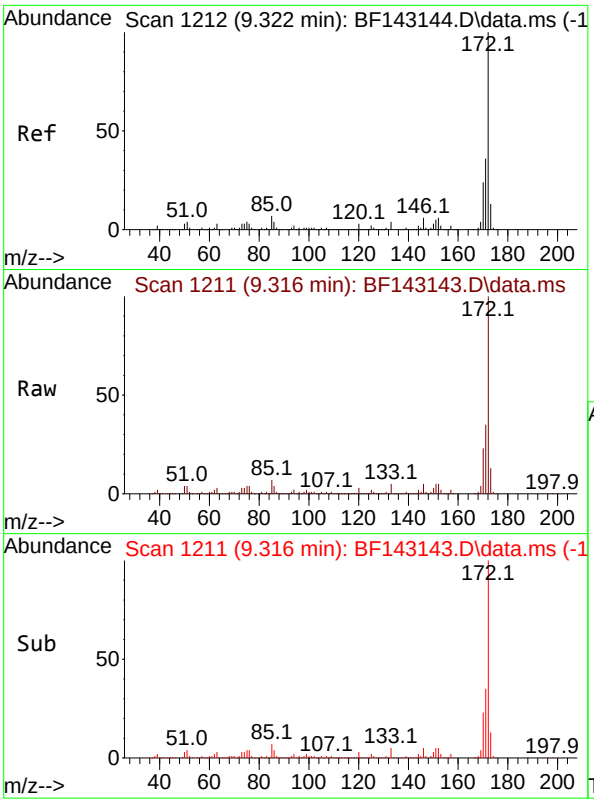


#44
2,4,5-Trichlorophenol
Concen: 20.584 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



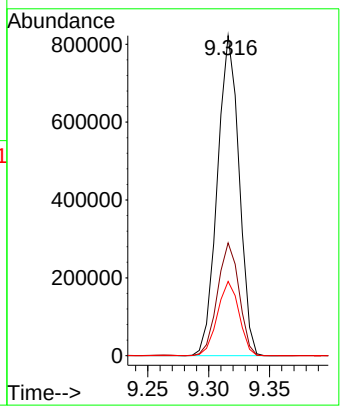


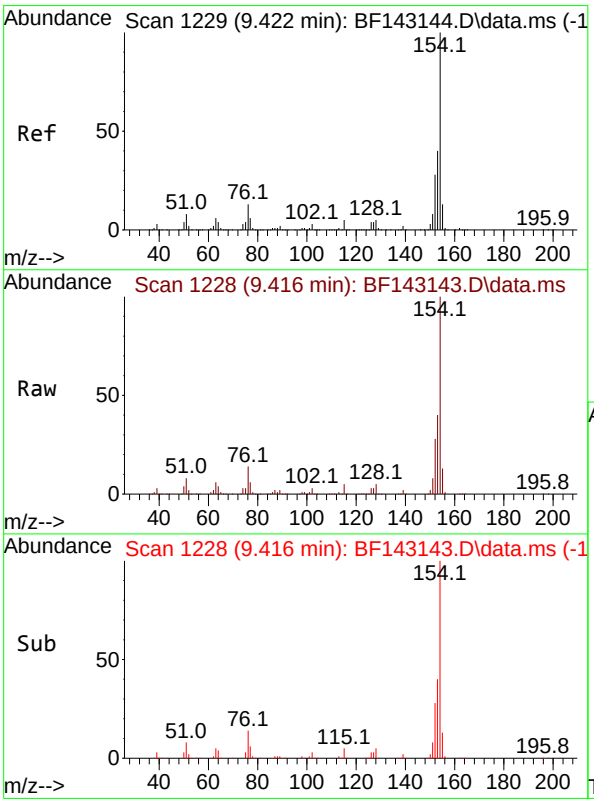
#45
2-Fluorobiphenyl
Concen: 42.301 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

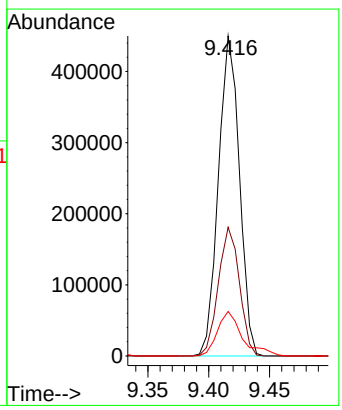


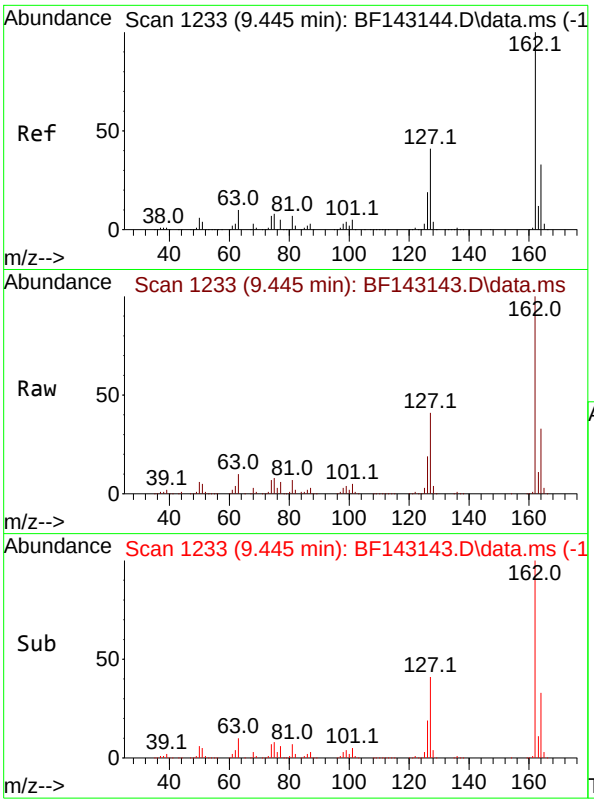


#46
1,1'-Biphenyl
Concen: 21.019 ng
RT: 9.416 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



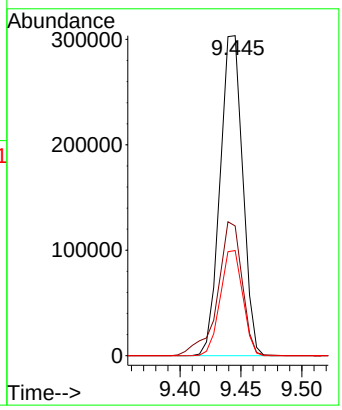


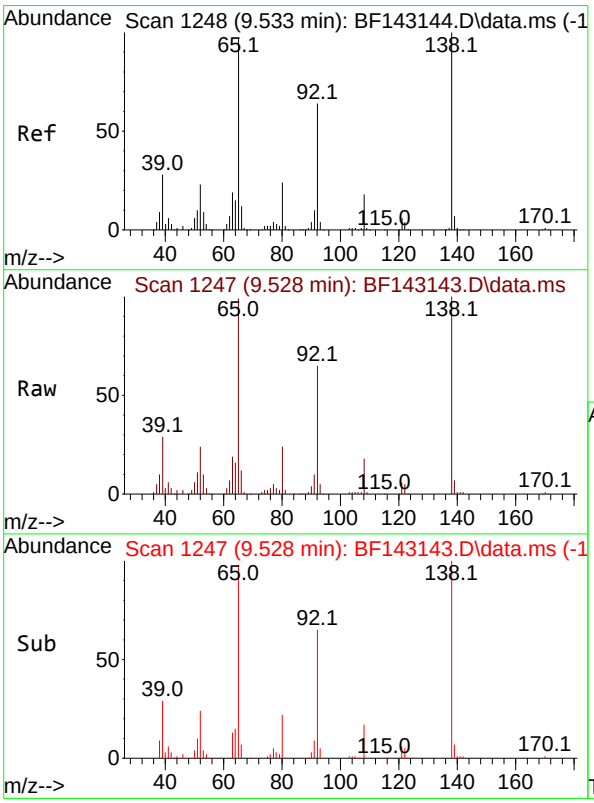
#47
2-Chloronaphthalene
Concen: 20.650 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

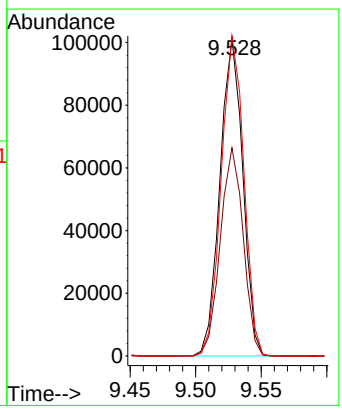


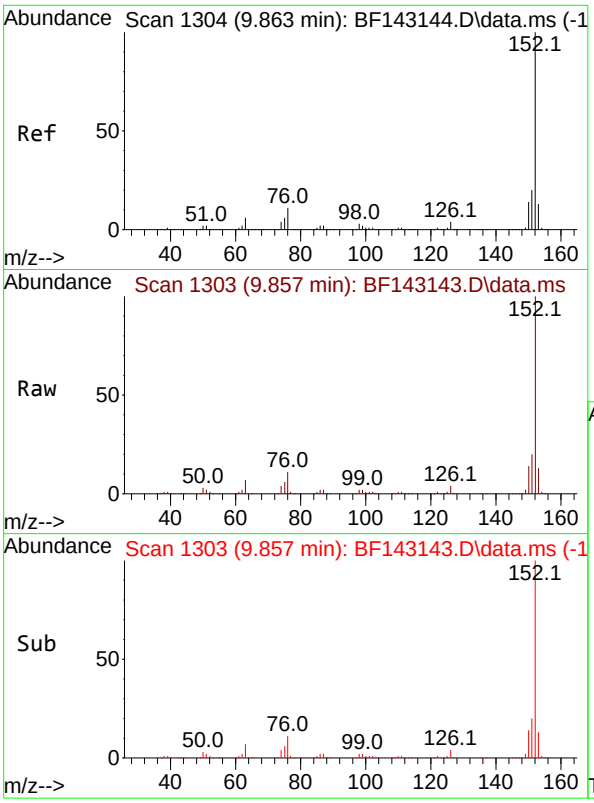


#48
2-Nitroaniline
Concen: 20.528 ng
RT: 9.528 min Scan# 1247
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



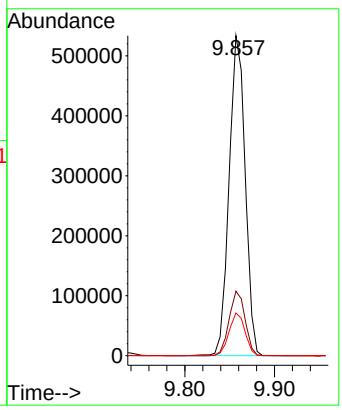


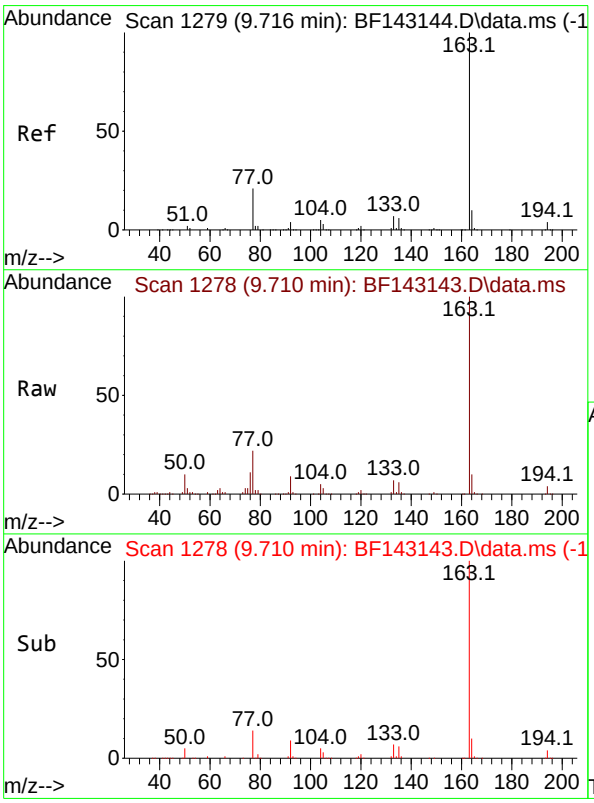
#49
Acenaphthylene
Concen: 20.789 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

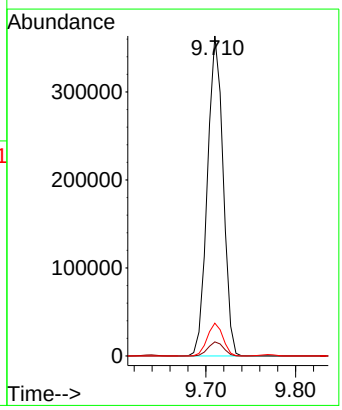


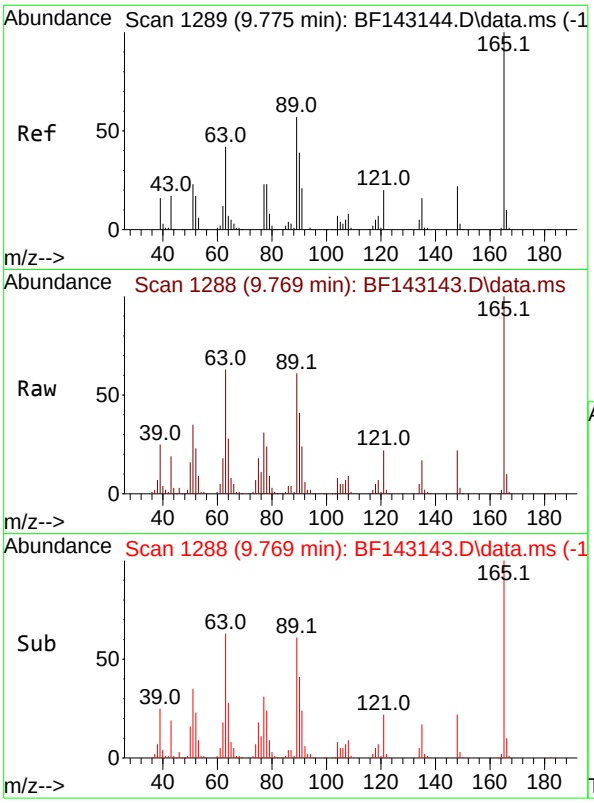


#50
Dimethylphthalate
Concen: 20.558 ng
RT: 9.710 min Scan# 1278
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



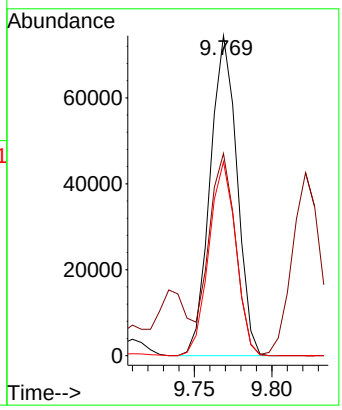


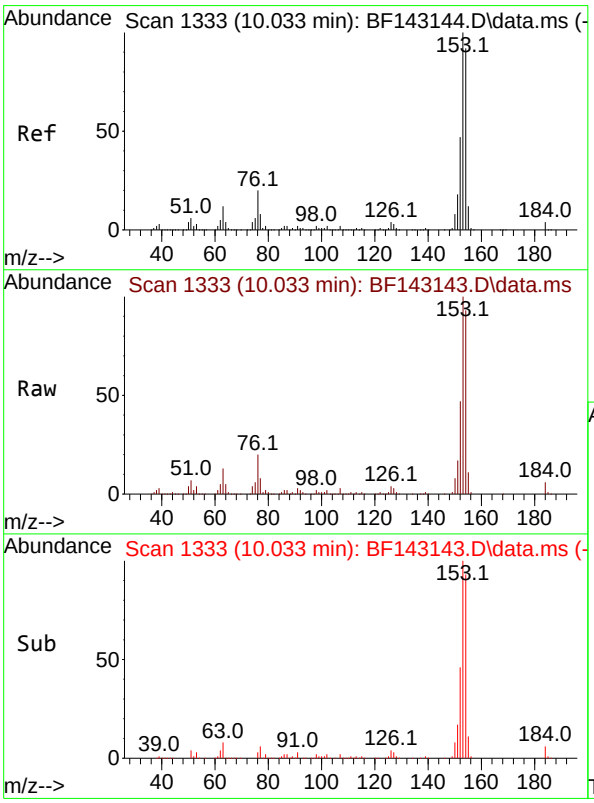
#51
2,6-Dinitrotoluene
Concen: 20.529 ng
RT: 9.769 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

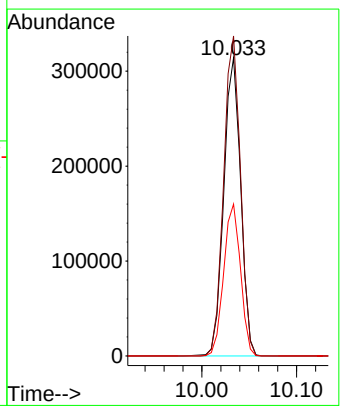


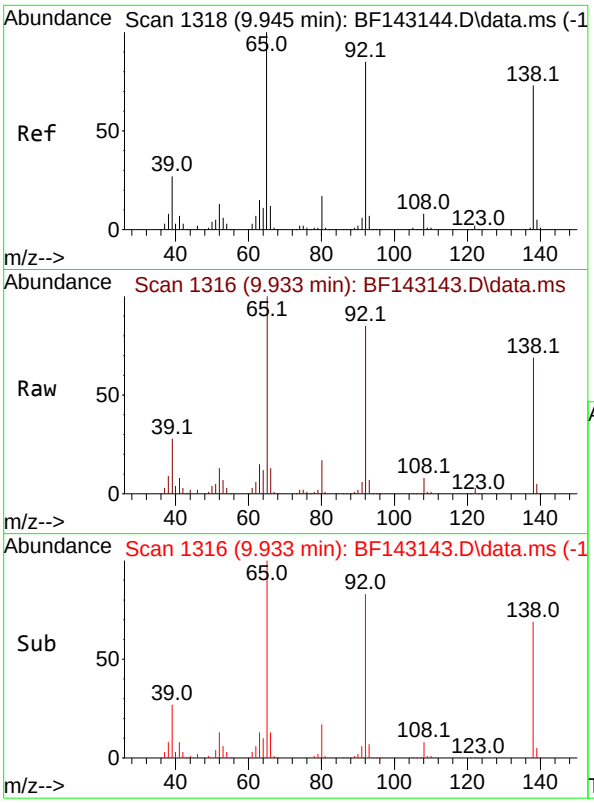


#52
Acenaphthene
Concen: 20.702 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



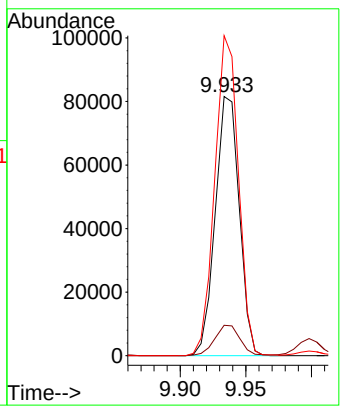


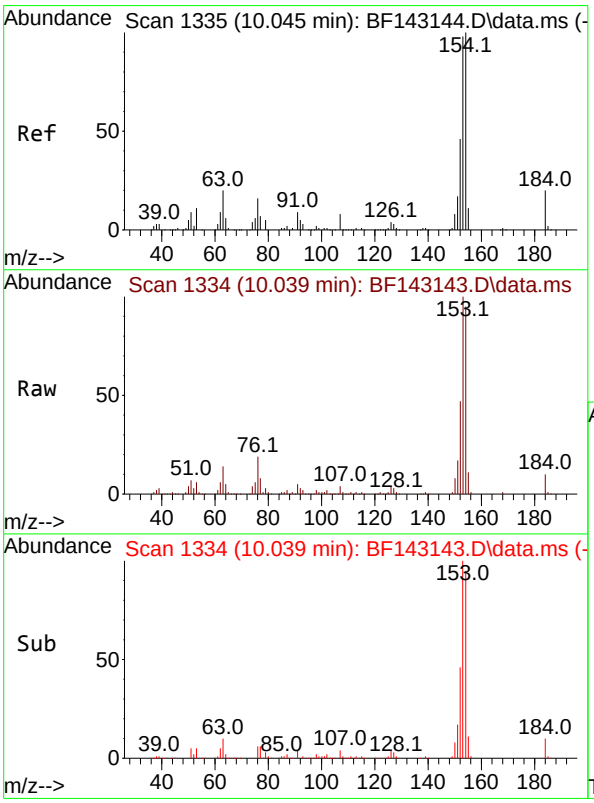
#53
3-Nitroaniline
Concen: 20.314 ng
RT: 9.933 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

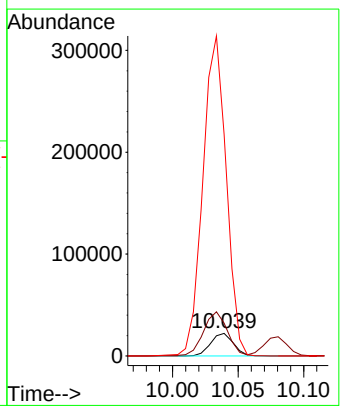


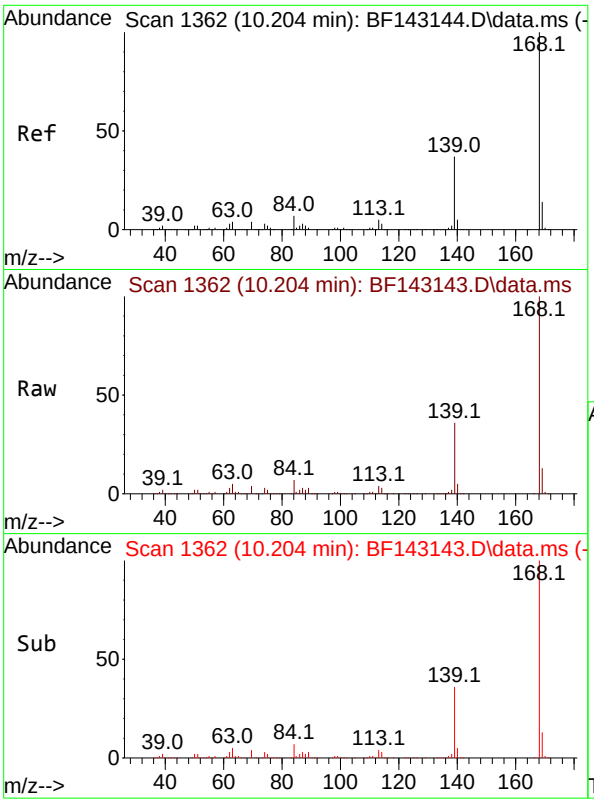


#54
2,4-Dinitrophenol
Concen: 19.073 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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#



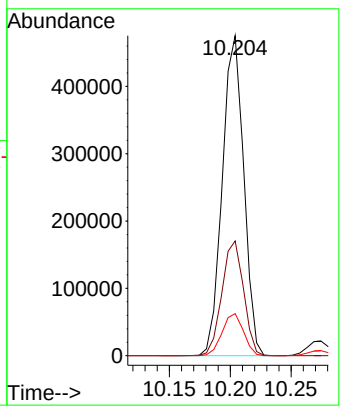


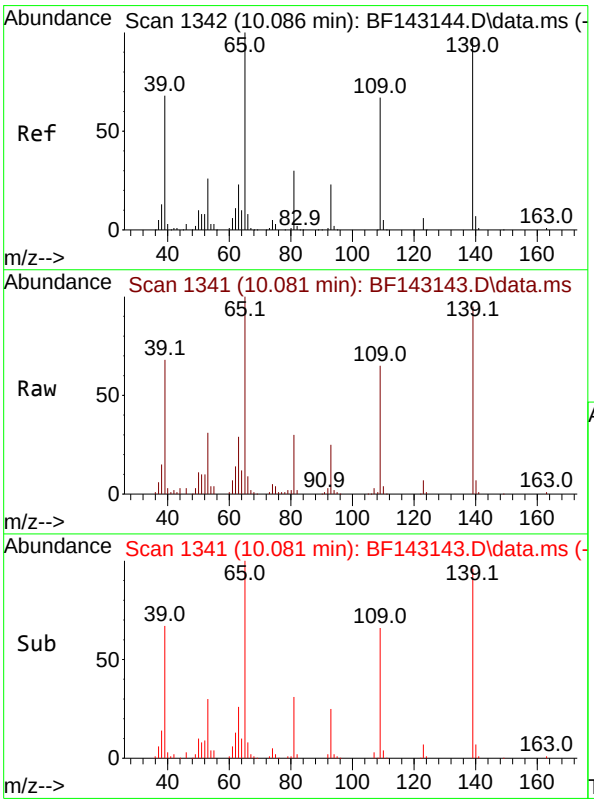
#55
Dibenzofuran
Concen: 20.806 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

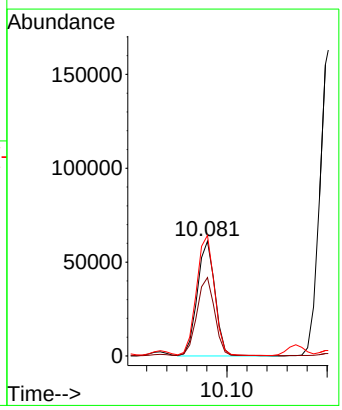


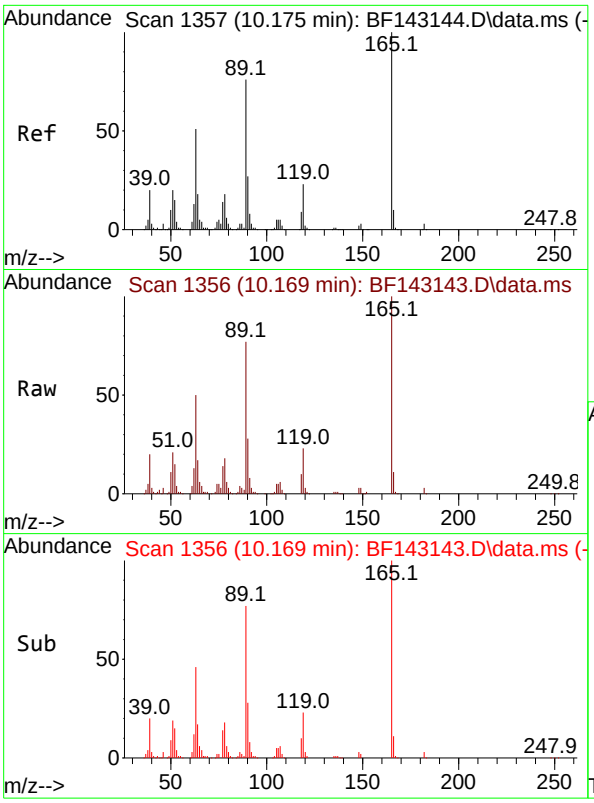


#56
4-Nitrophenol
Concen: 19.715 ng
RT: 10.081 min Scan# 1341
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



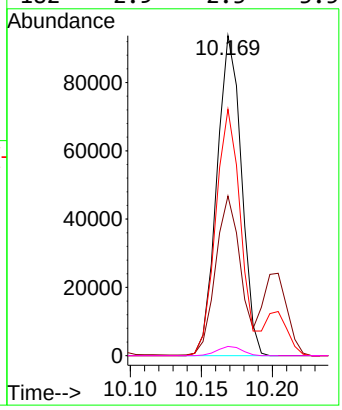


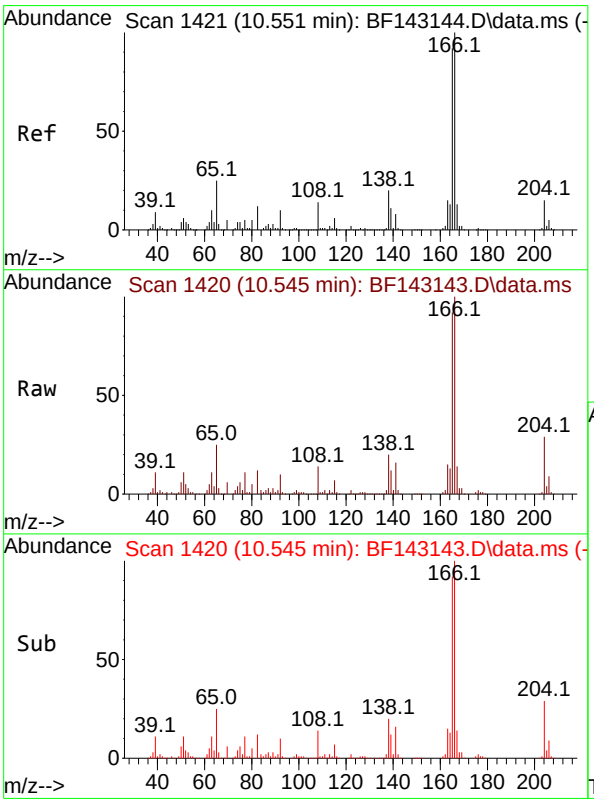
#57
2,4-Dinitrotoluene
Concen: 20.577 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

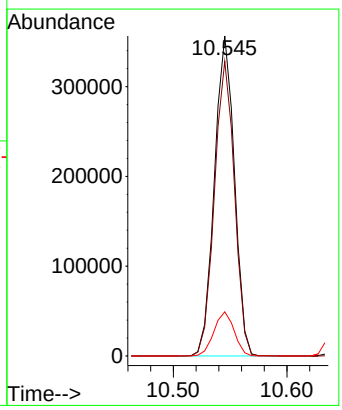


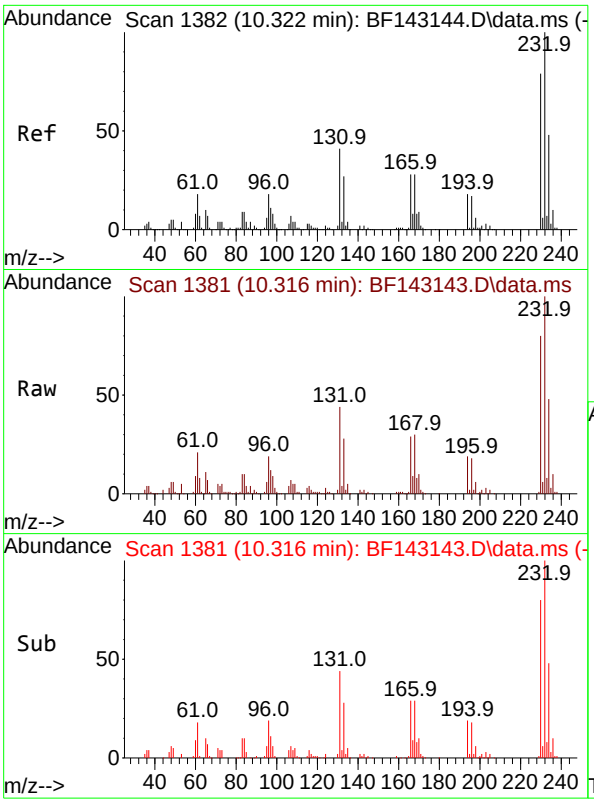


#58
Fluorene
Concen: 20.750 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



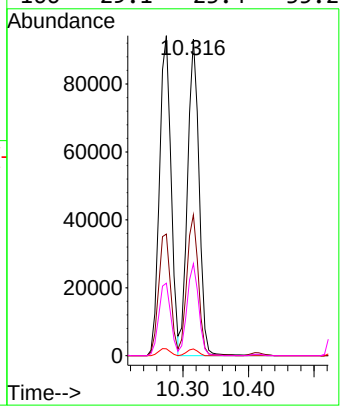


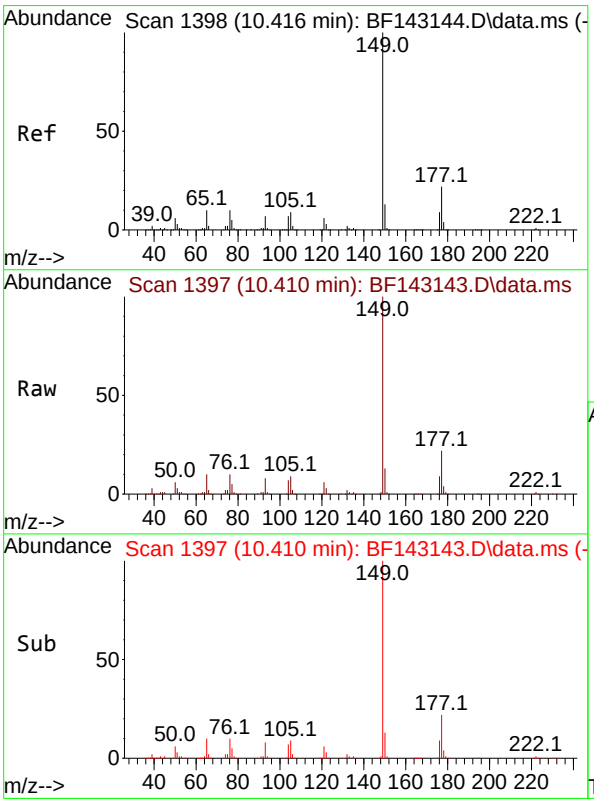
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.859 ng
RT: 10.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

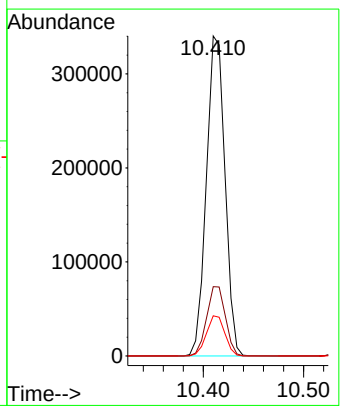


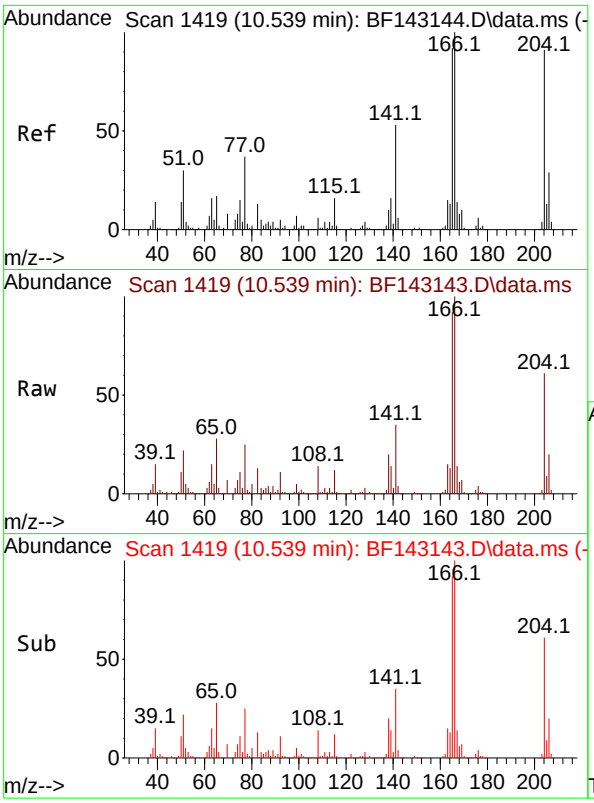


#60
Diethylphthalate
Concen: 20.719 ng
RT: 10.410 min Scan# 1397
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



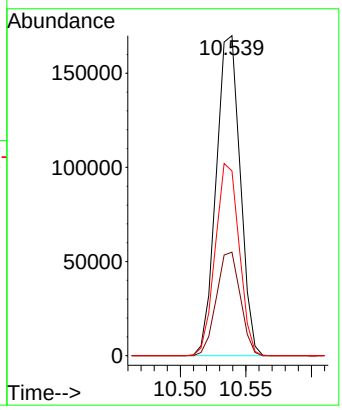


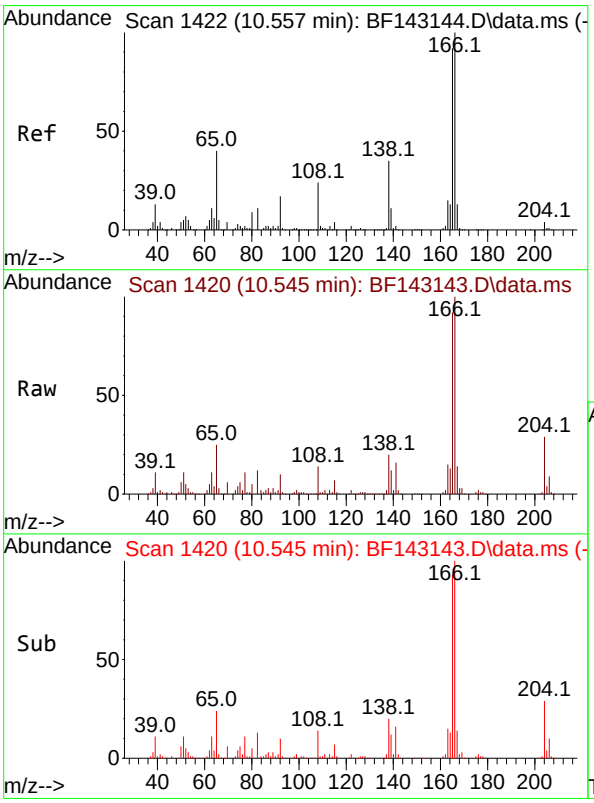
#61
4-Chlorophenyl-phenylether
Concen: 20.699 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

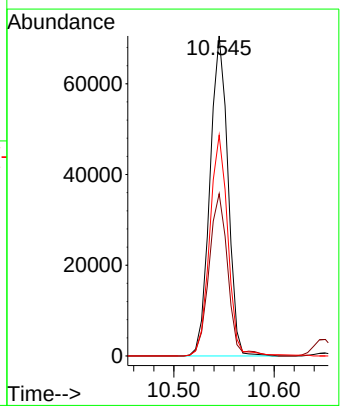


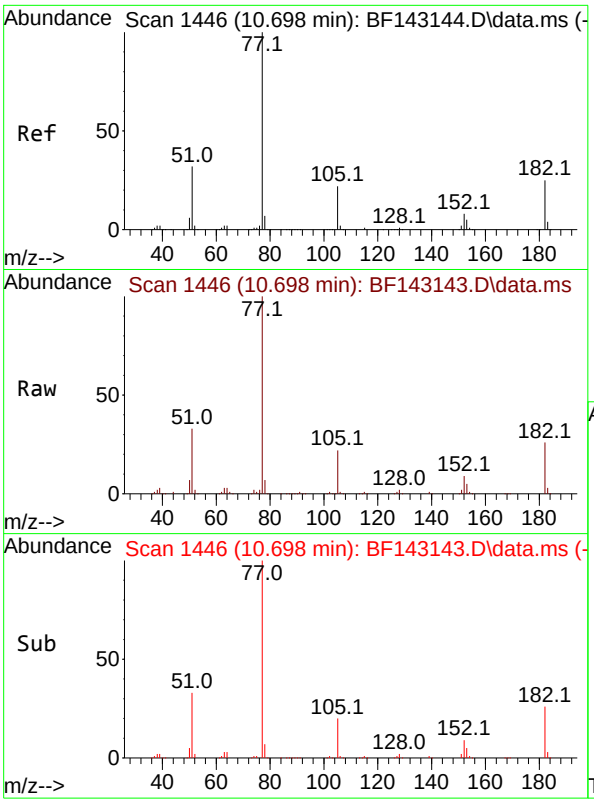


#62
4-Nitroaniline
Concen: 20.005 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



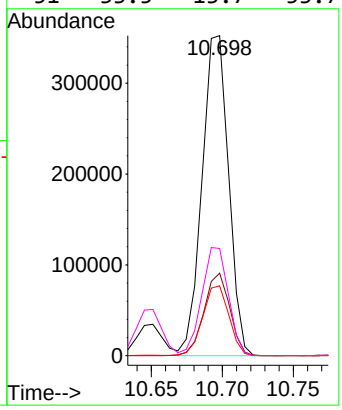


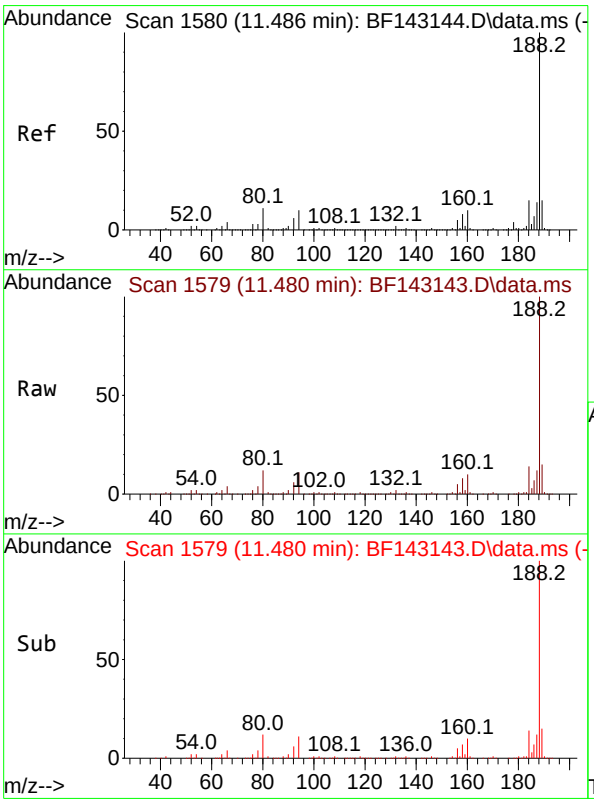
#63
Azobenzene
Concen: 20.690 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

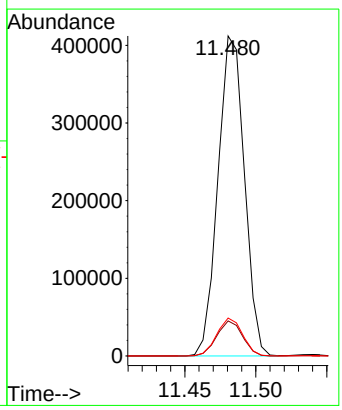


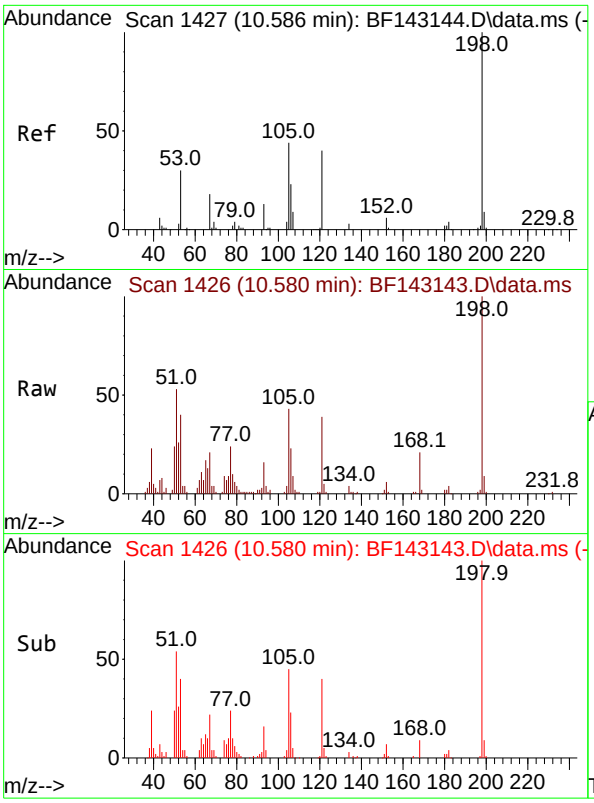


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.480 min Scan# 1579
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



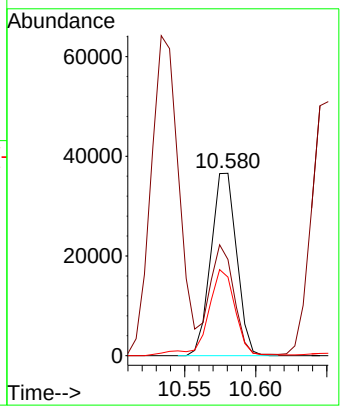


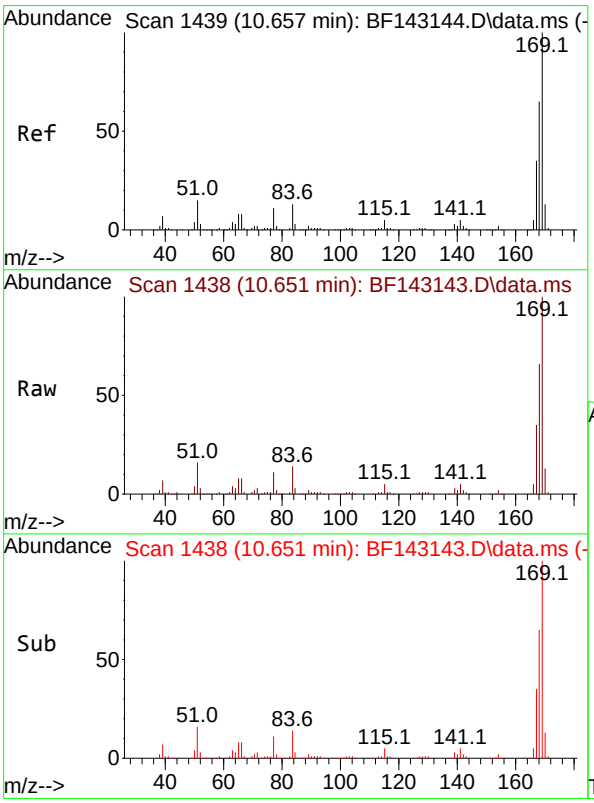
#65
4,6-Dinitro-2-methylphenol
Concen: 20.060 ng
RT: 10.580 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

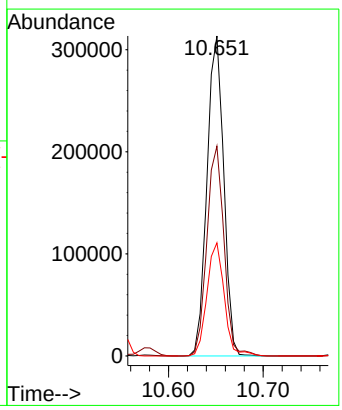


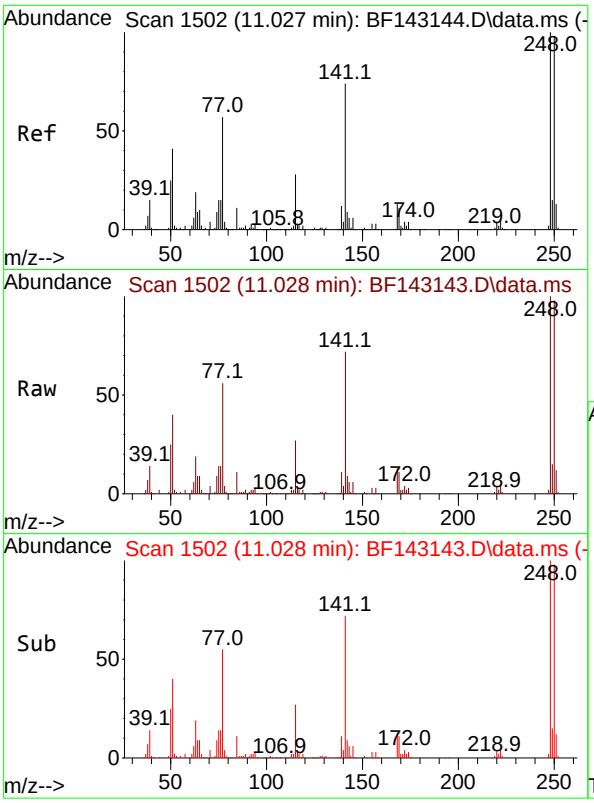


#66
n-Nitrosodiphenylamine
Concen: 20.488 ng
RT: 10.651 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



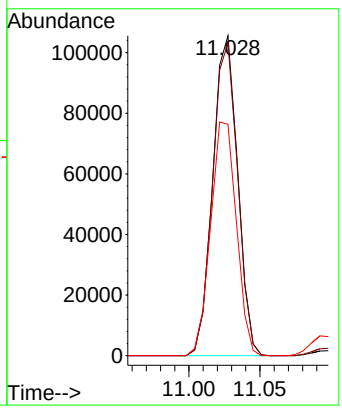


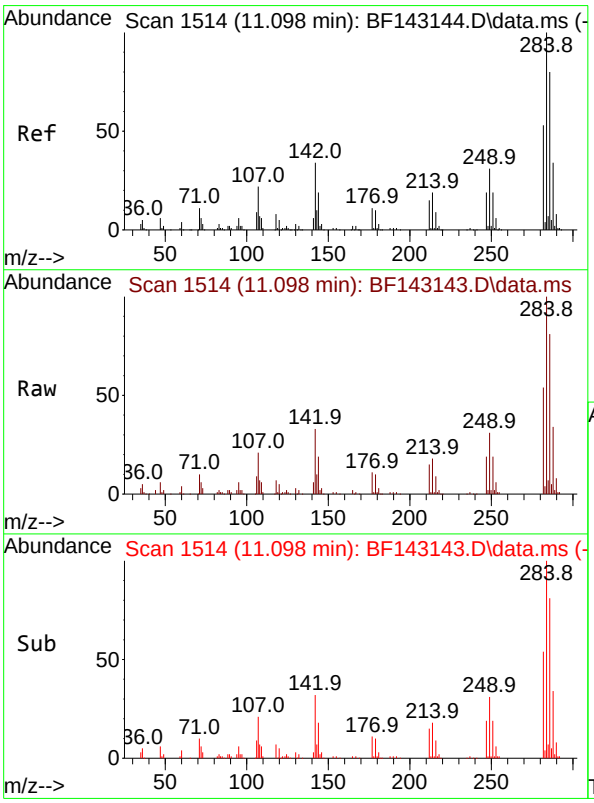
#67
4-Bromophenyl-phenylether
Concen: 20.259 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

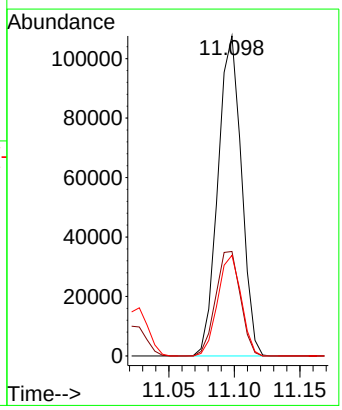


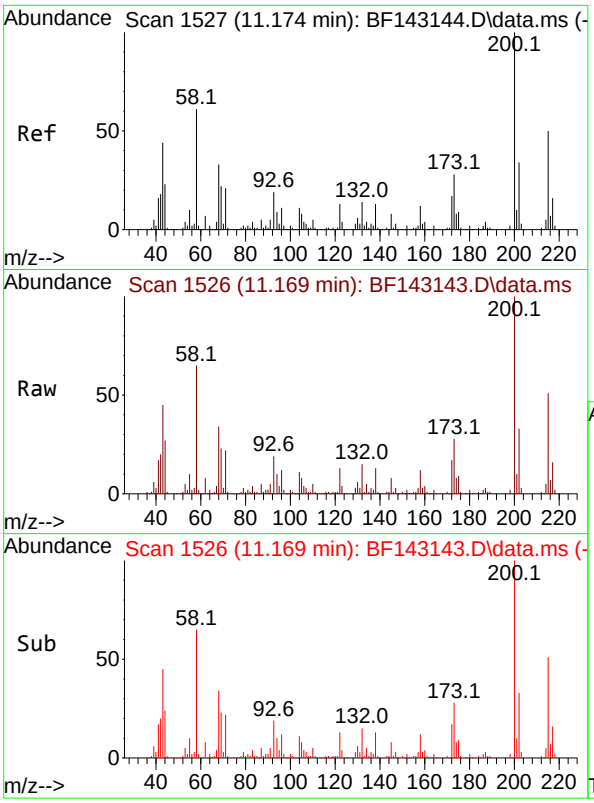


#68
Hexachlorobenzene
Concen: 20.191 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



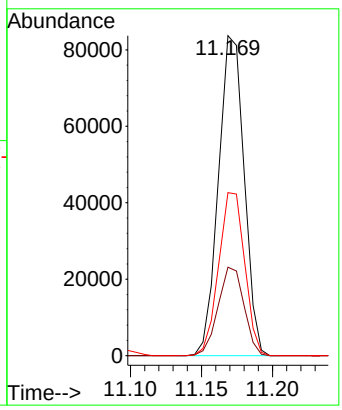


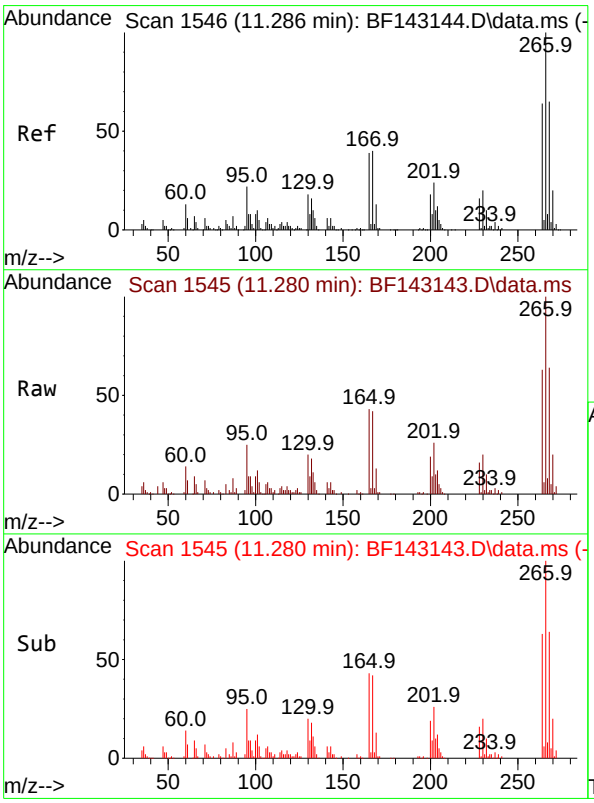
#69
Atrazine
Concen: 20.370 ng
RT: 11.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

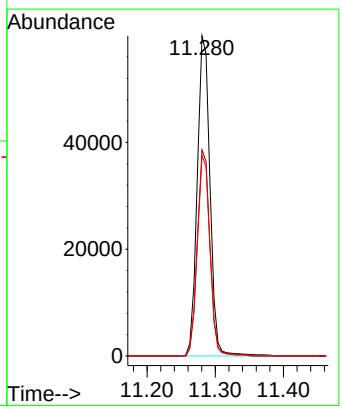


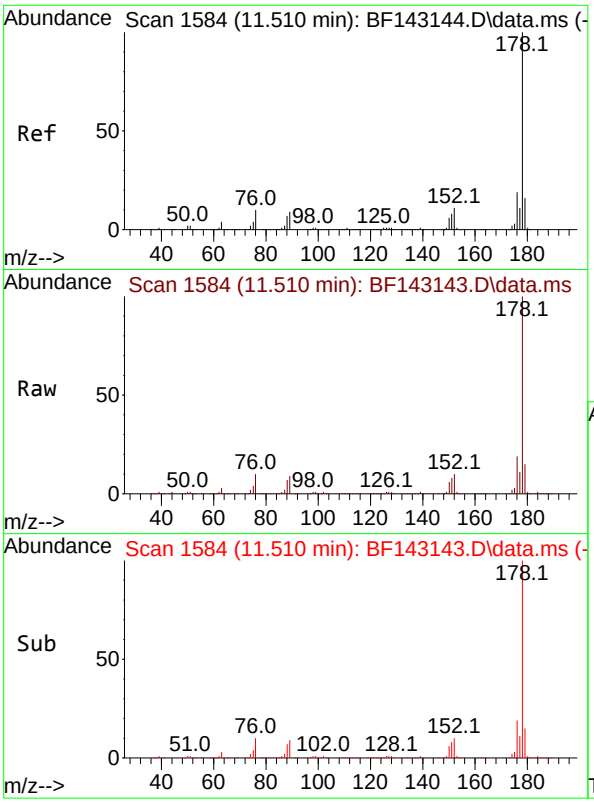


#70
Pentachlorophenol
Concen: 19.957 ng
RT: 11.280 min Scan# 1545
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



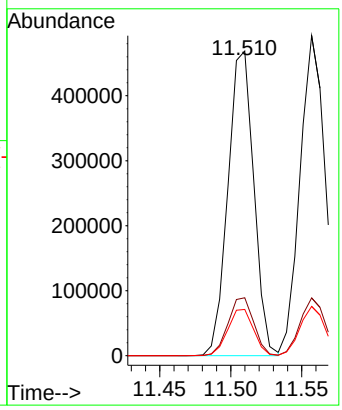


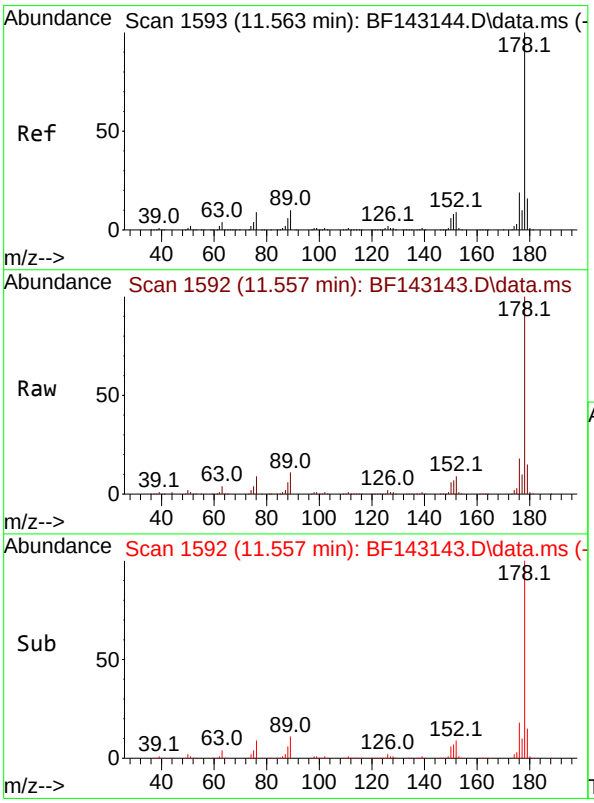
#71
Phenanthrene
Concen: 21.042 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

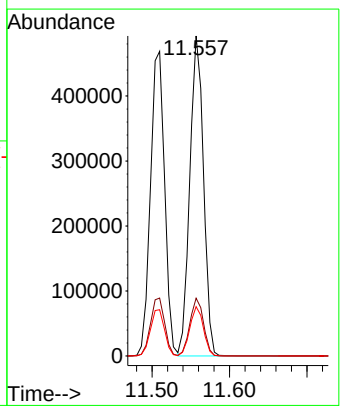


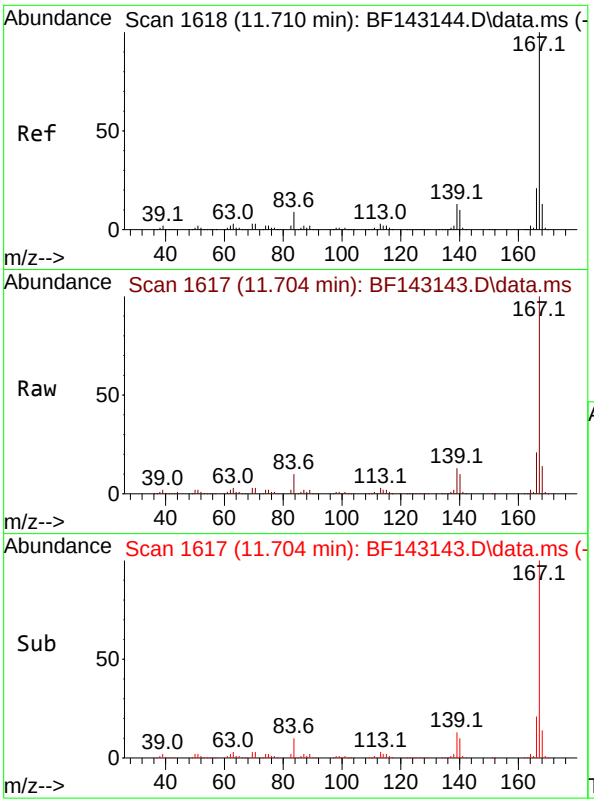


#72
Anthracene
Concen: 20.944 ng
RT: 11.557 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



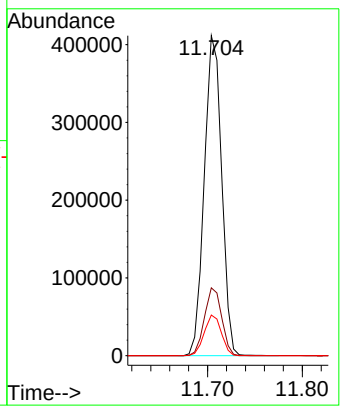


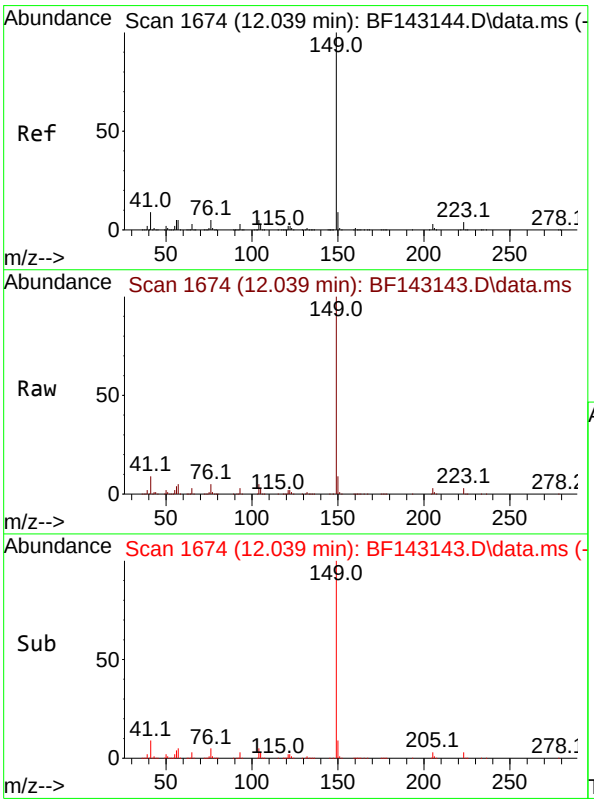
#73
Carbazole
Concen: 20.769 ng
RT: 11.704 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

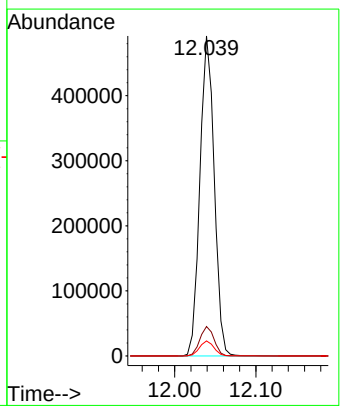


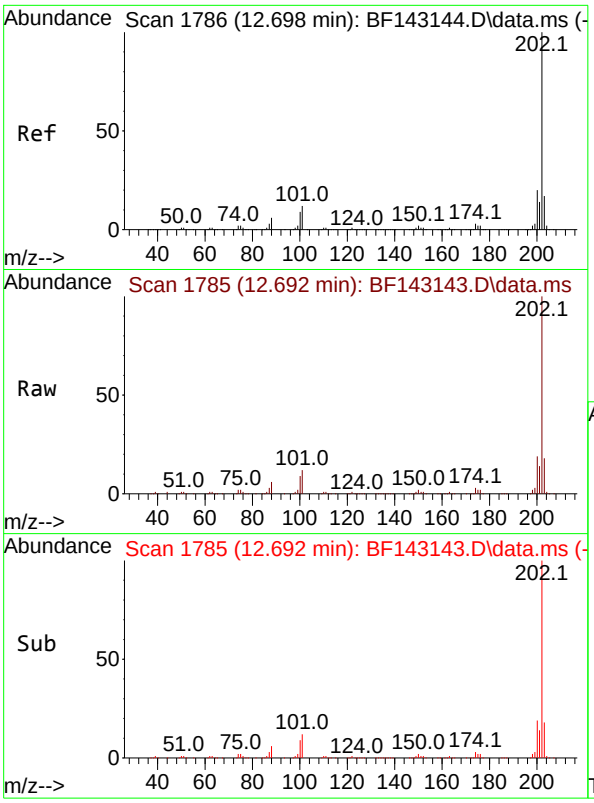


#74
Di-n-butylphthalate
Concen: 21.108 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



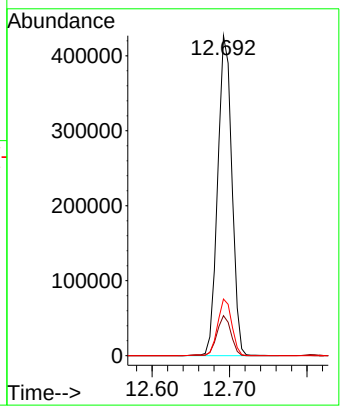


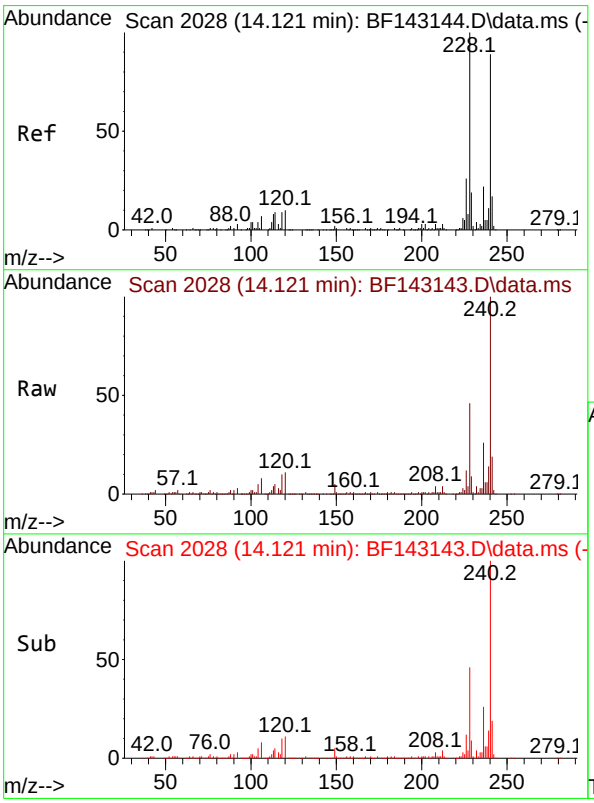
#75
Fluoranthene
Concen: 20.894 ng
RT: 12.692 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

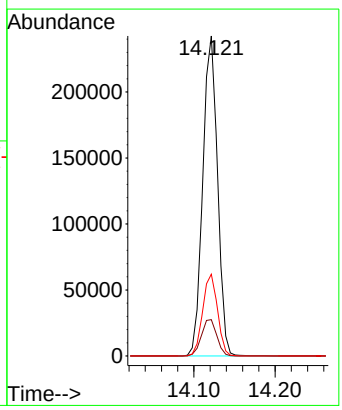


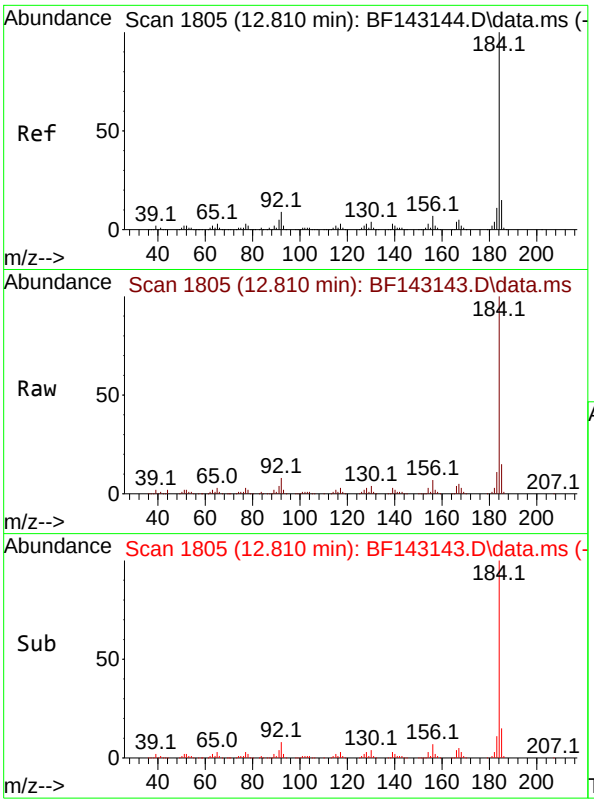


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



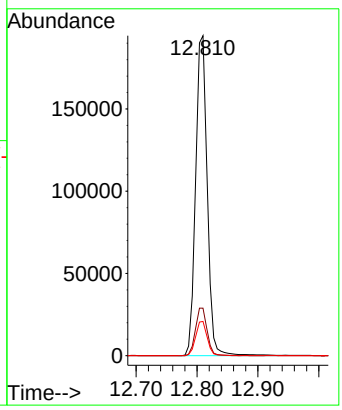


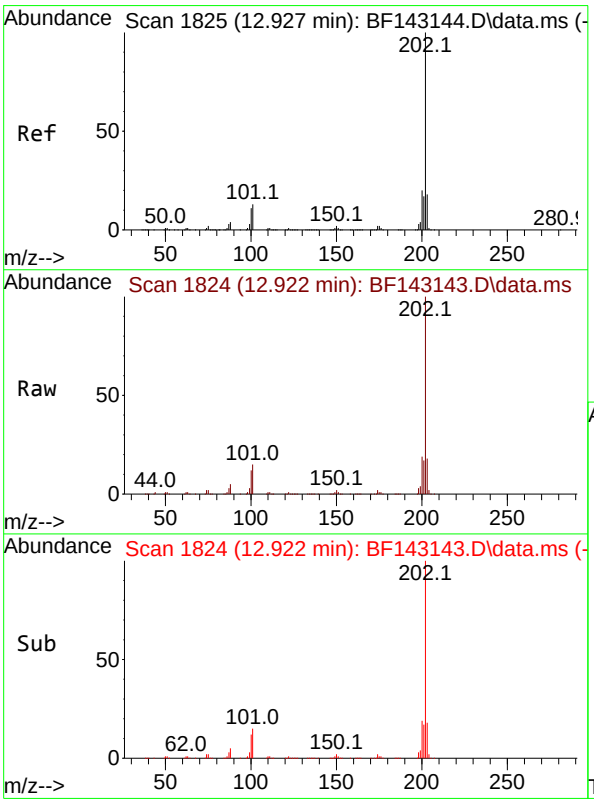
#77
Benzidine
Concen: 21.919 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

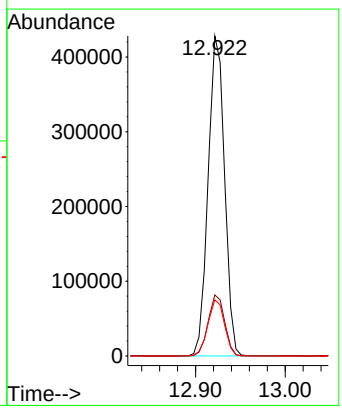


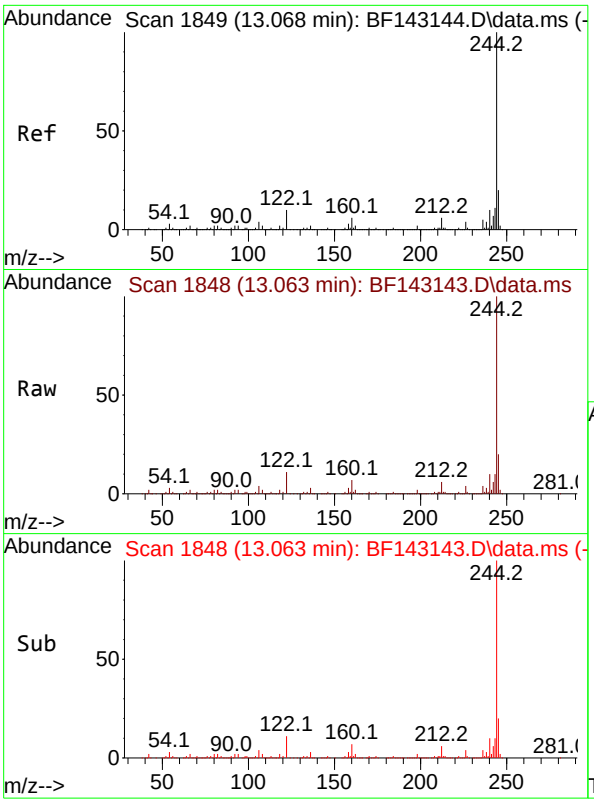


#78
Pyrene
Concen: 20.897 ng
RT: 12.922 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



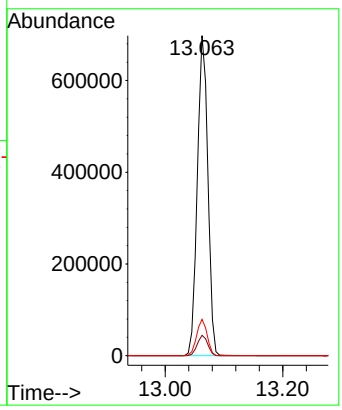


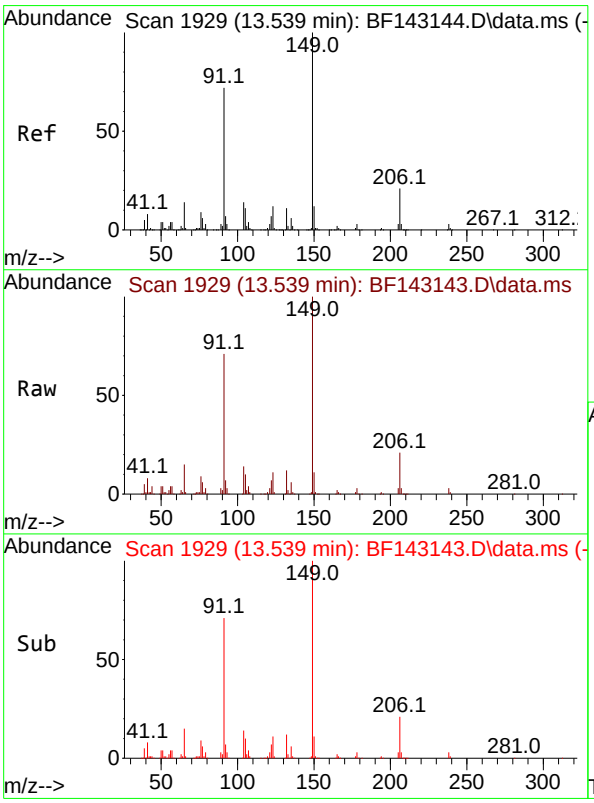
#79
Terphenyl-d14
Concen: 42.238 ng
RT: 13.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

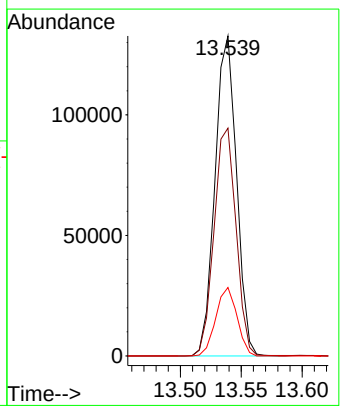


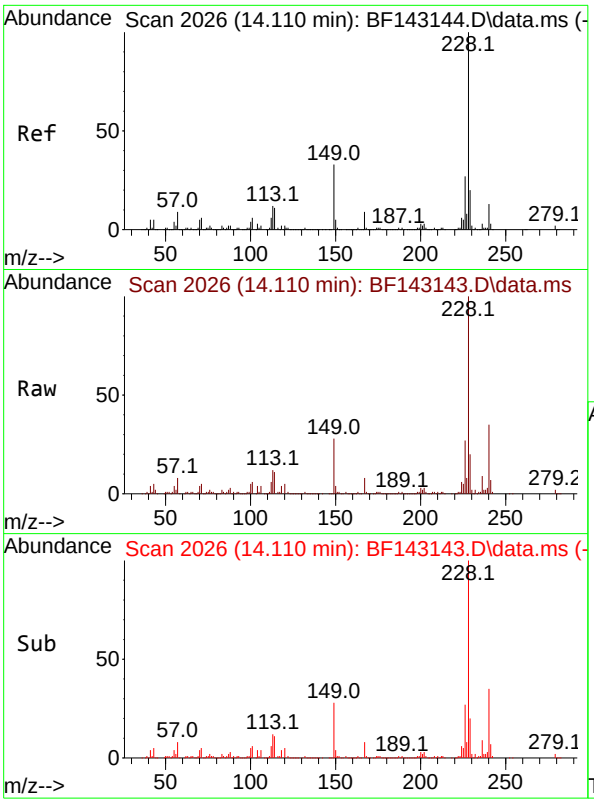


#80
Butylbenzylphthalate
Concen: 20.491 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



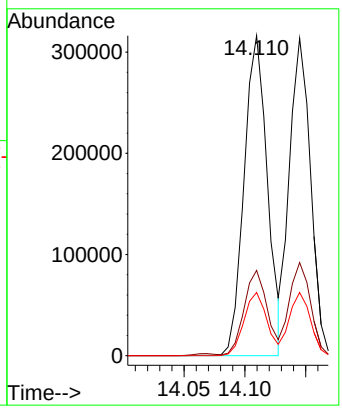


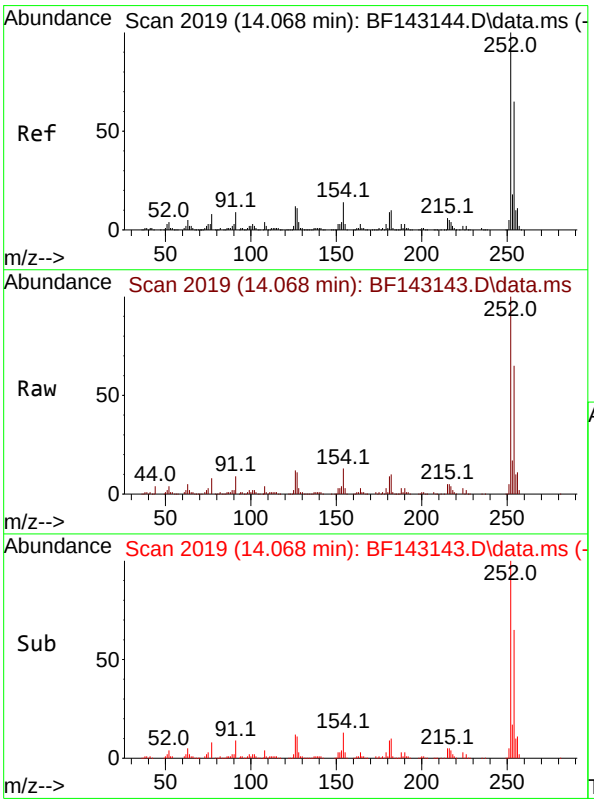
#81
Benzo(a)anthracene
Concen: 20.629 ng
RT: 14.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

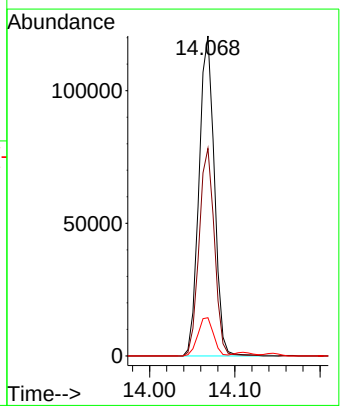


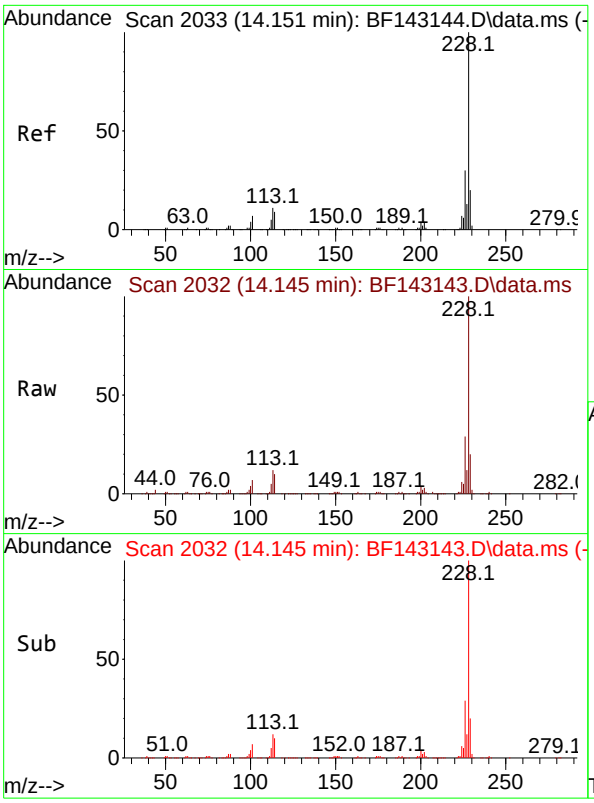


#82
3,3'-Dichlorobenzidine
Concen: 22.181 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



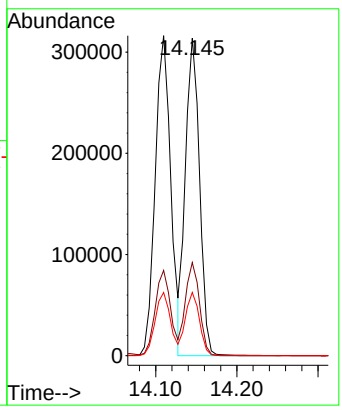


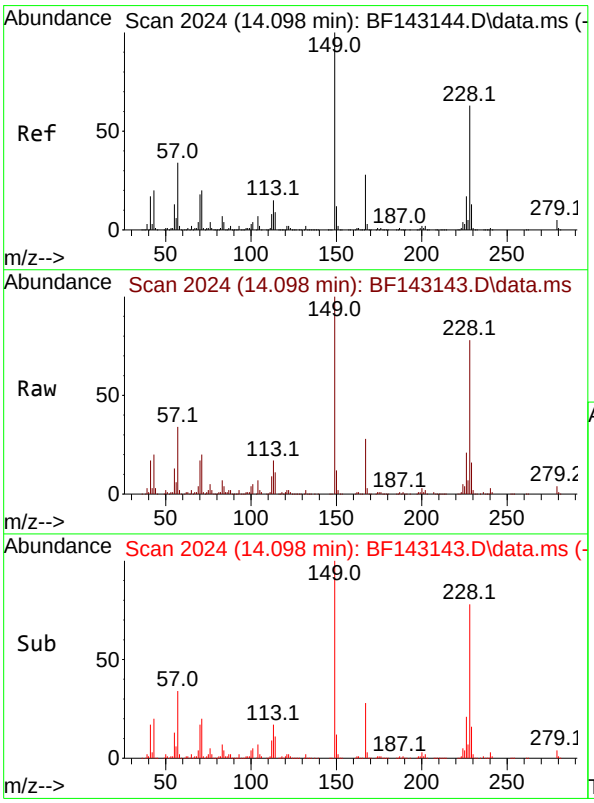
#83
Chrysene
Concen: 20.714 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

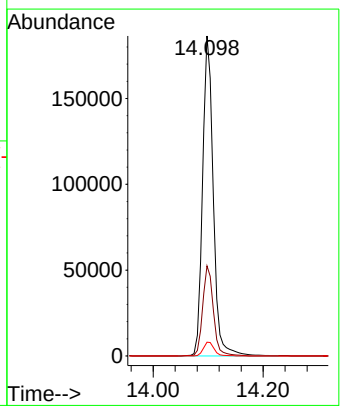


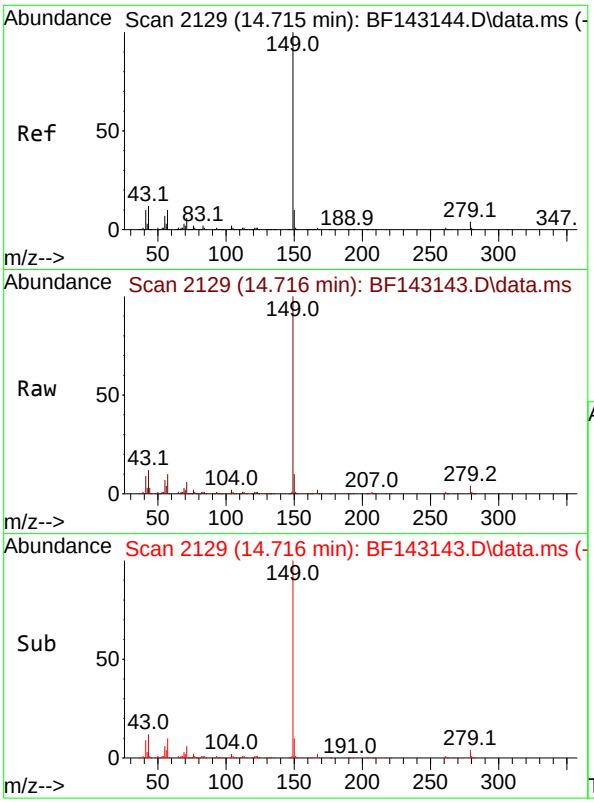


#84
Bis(2-ethylhexyl)phthalate
Concen: 20.839 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



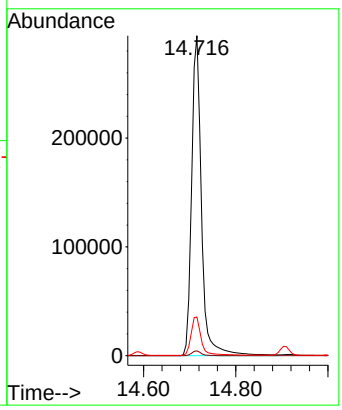


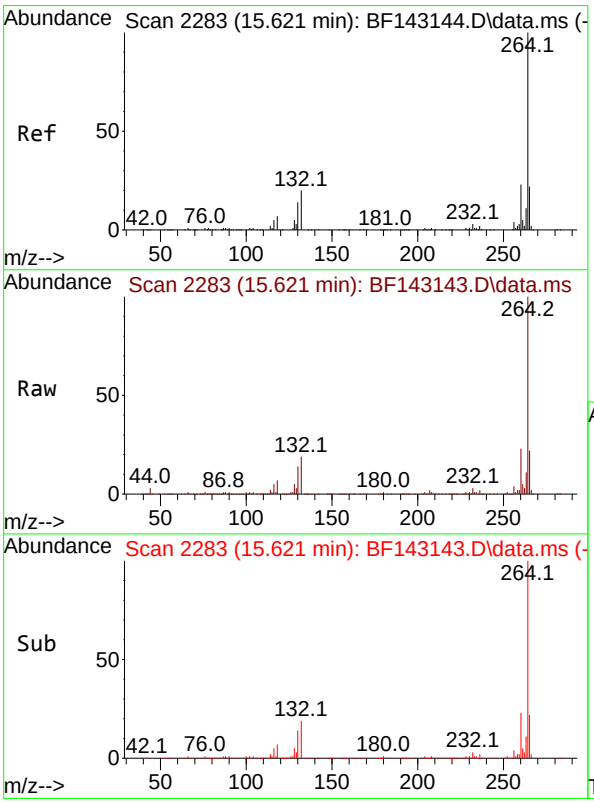
#85
Di-n-octyl phthalate
Concen: 19.916 ng
RT: 14.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

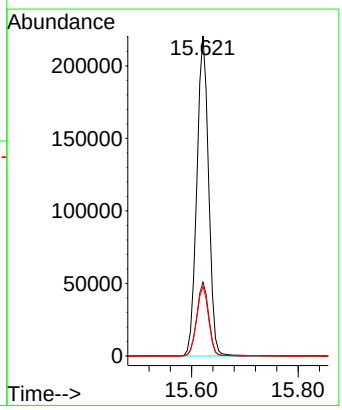


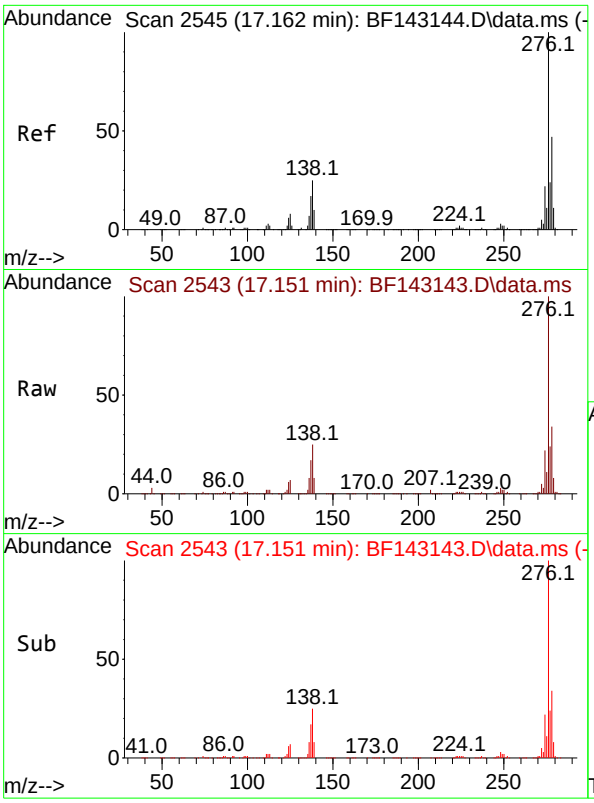


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



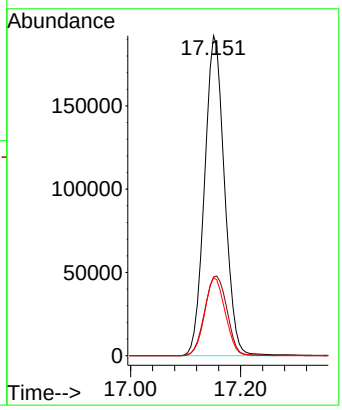


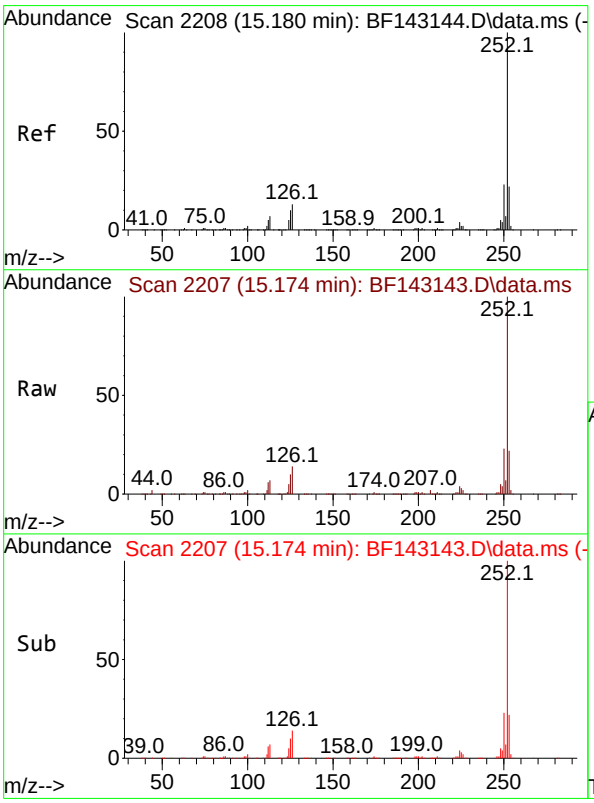
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.286 ng
RT: 17.151 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

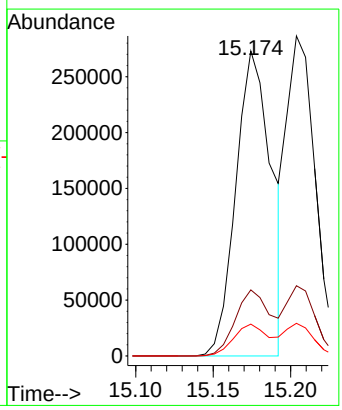


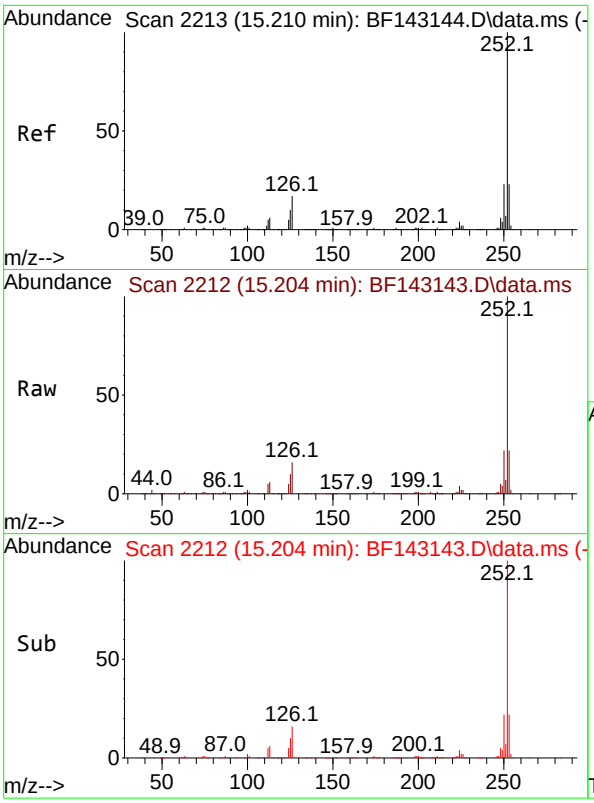


#88
Benzo(b)fluoranthene
Concen: 21.071 ng
RT: 15.174 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



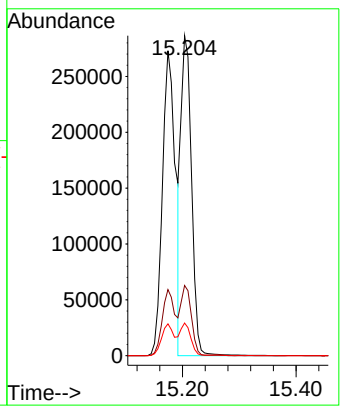


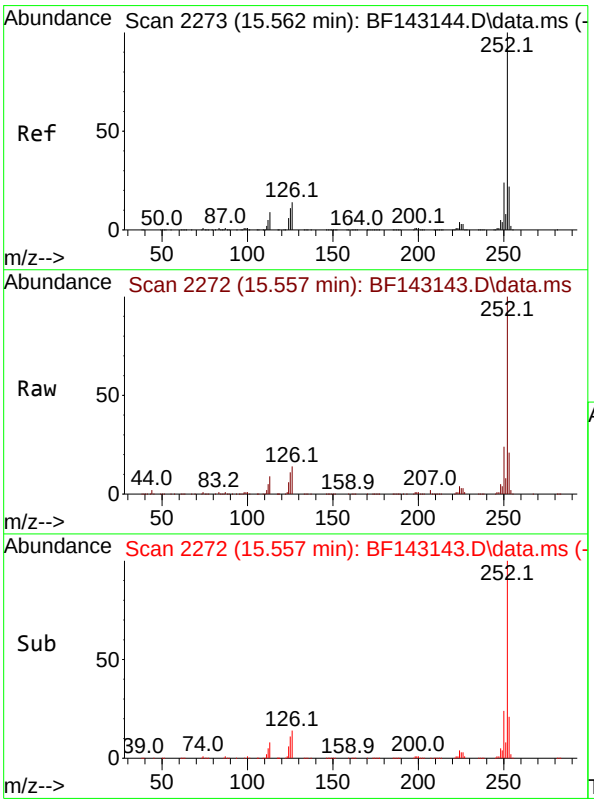
#89
Benzo(k)fluoranthene
Concen: 20.044 ng
RT: 15.204 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

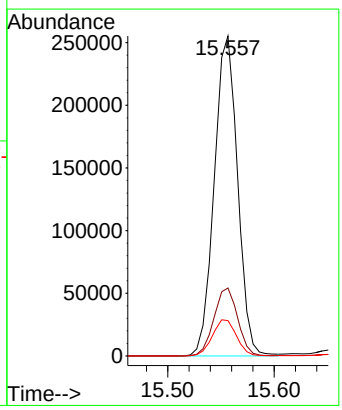


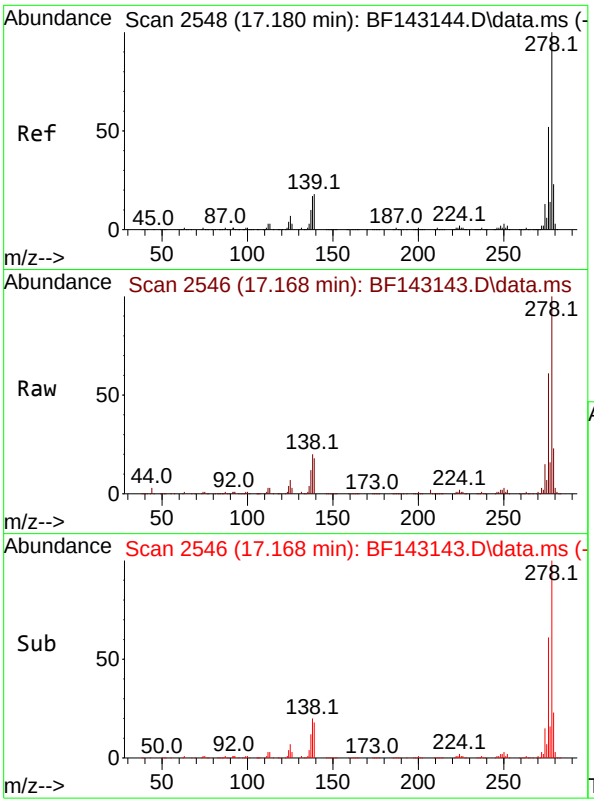


#90
Benzo(a)pyrene
Concen: 20.371 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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



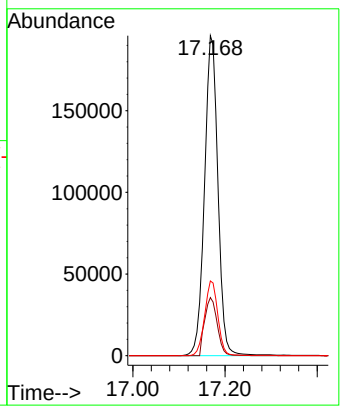


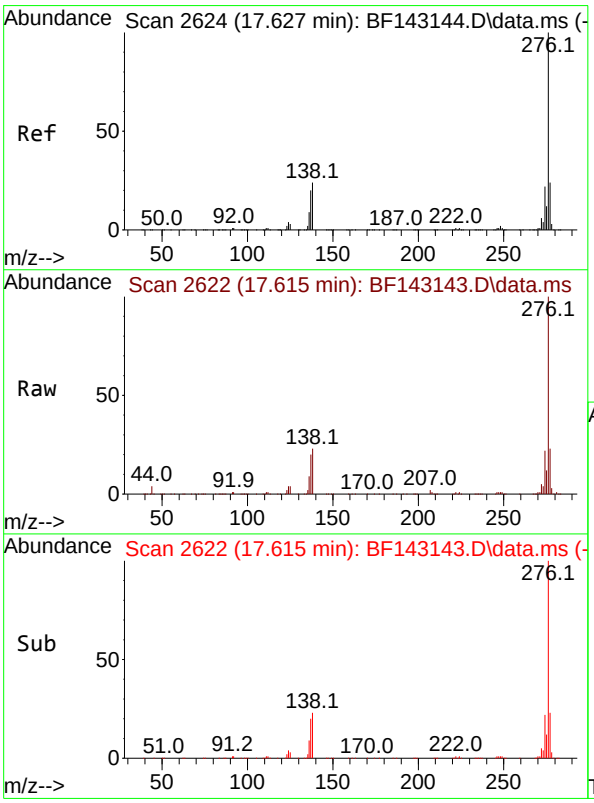
#91
Dibenzo(a,h)anthracene
Concen: 20.534 ng
RT: 17.168 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

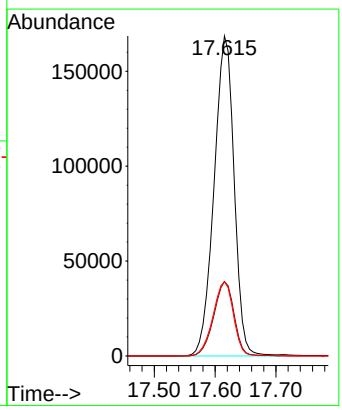




#92
Benzo(g,h,i)perylene
Concen: 20.534 ng
RT: 17.615 min Scan# 2622
Delta R.T. -0.012 min
Lab File: BF143143.D
Acq: 17 Jul 2025 12:34

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

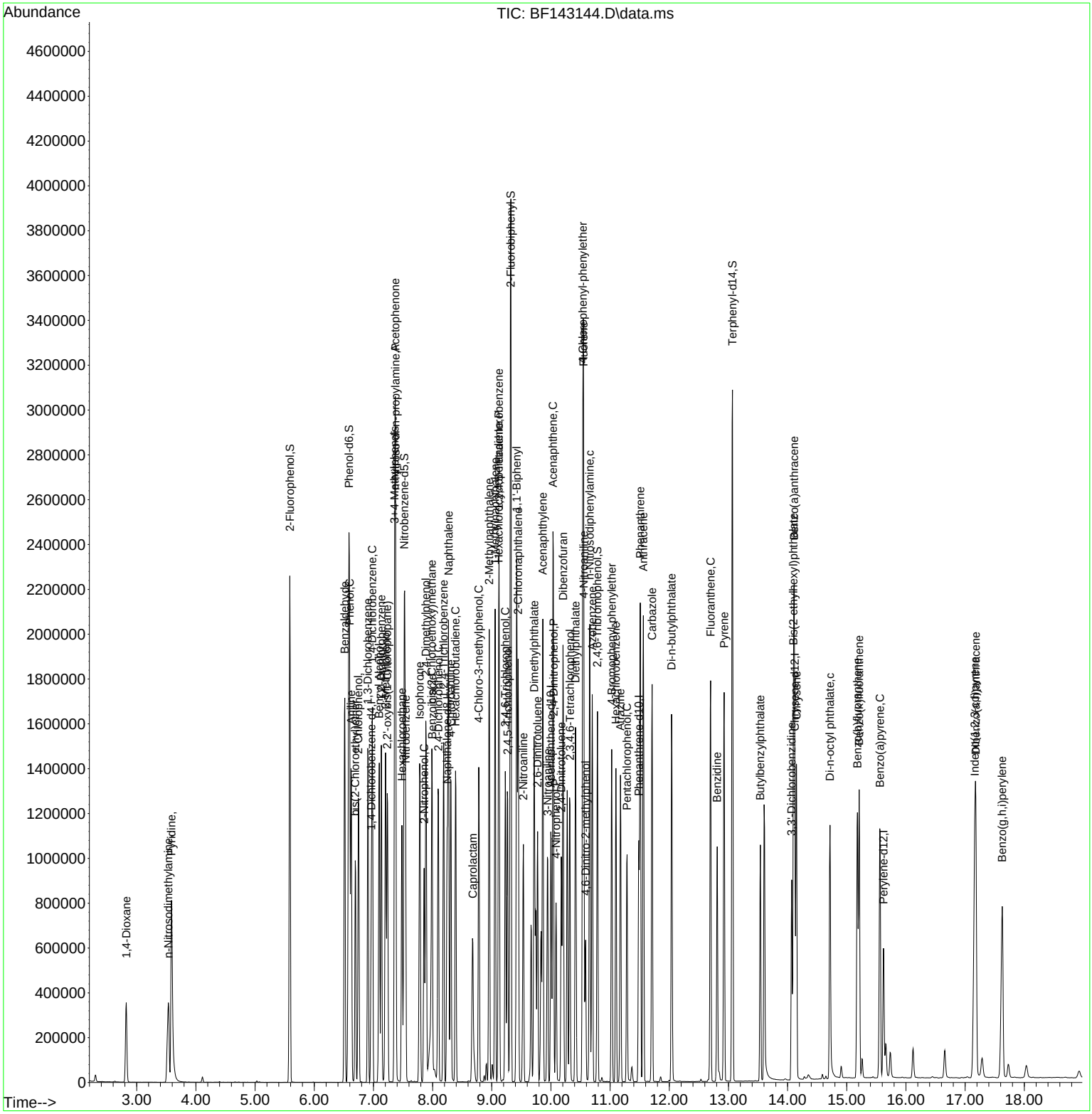
(#) = qualifier out of range (m) = manual integration (+) = signals summed

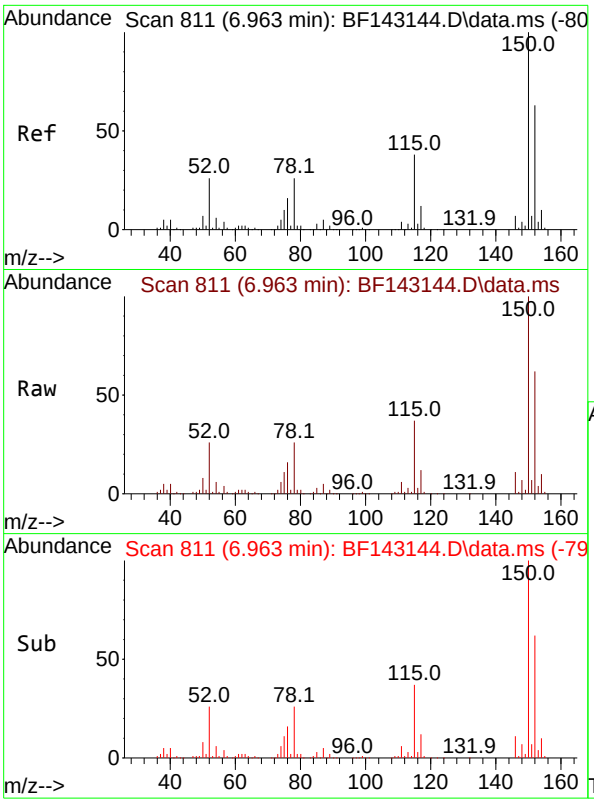
Quantitation Report (Not Reviewed)

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



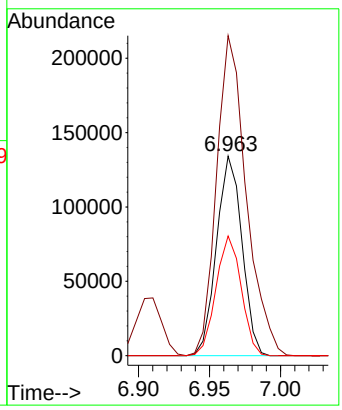


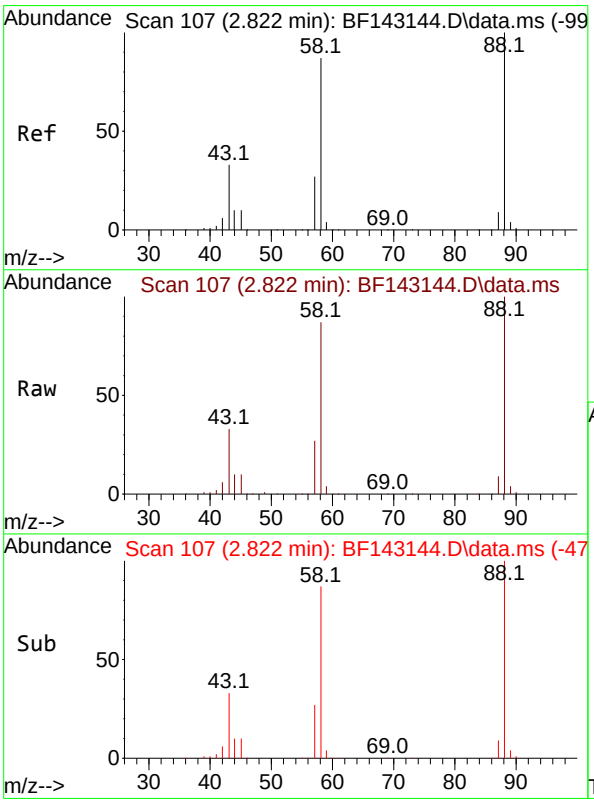
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

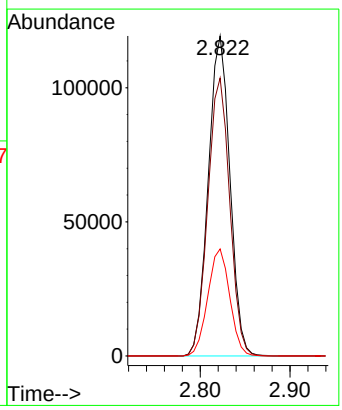


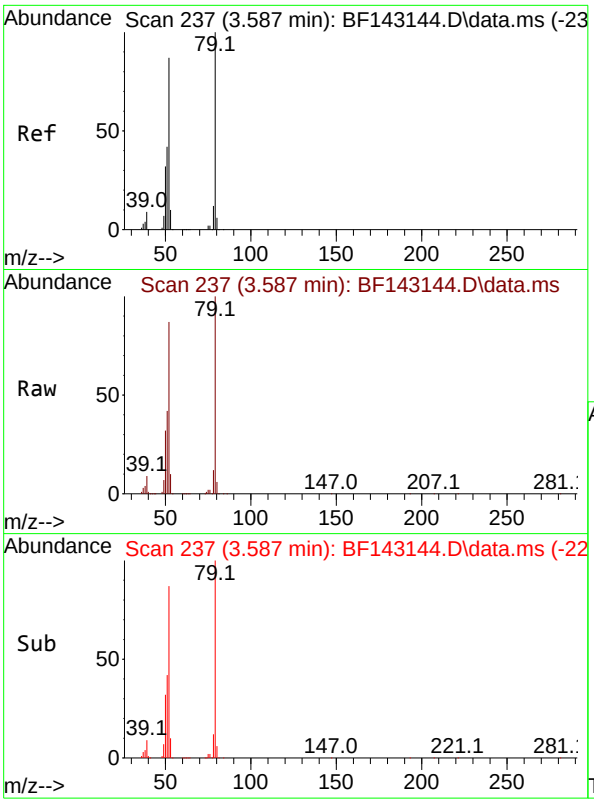


#2
1,4-Dioxane
Concen: 40.108 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



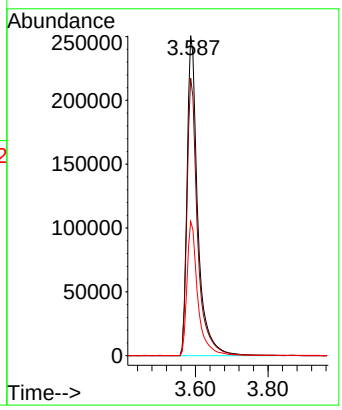


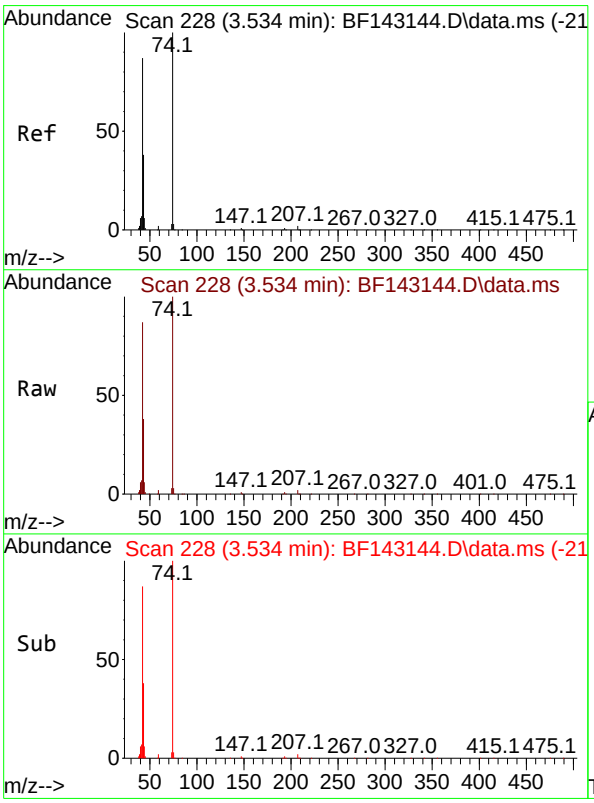
#3
Pyridine
Concen: 39.435 ng
RT: 3.587 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

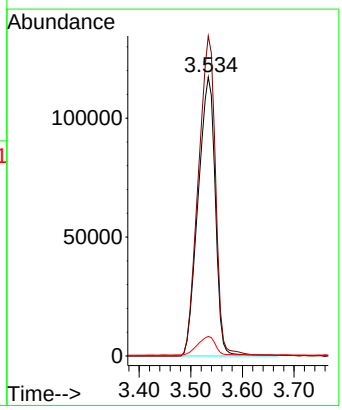


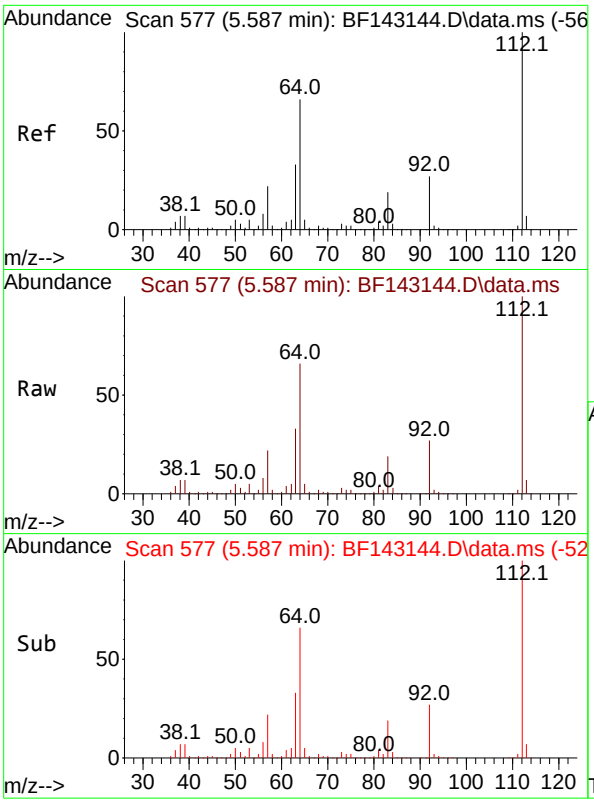


#4
n-Nitrosodimethylamine
Concen: 40.426 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



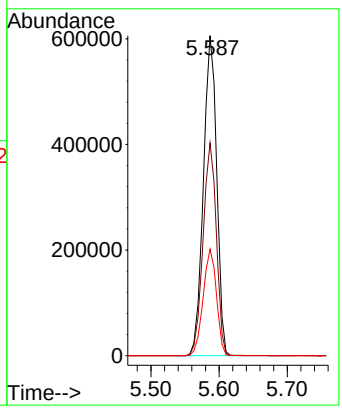


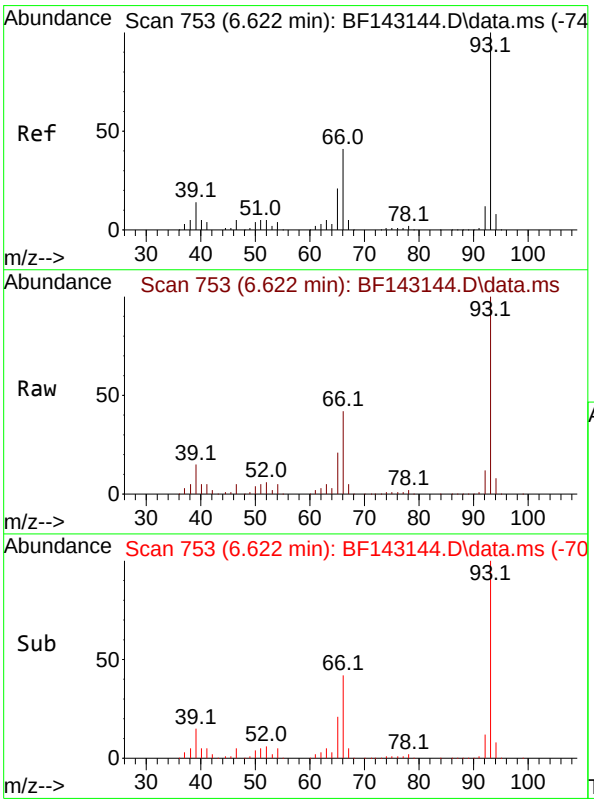
#5
2-Fluorophenol
Concen: 77.946 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

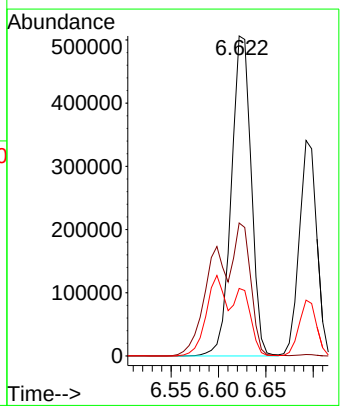


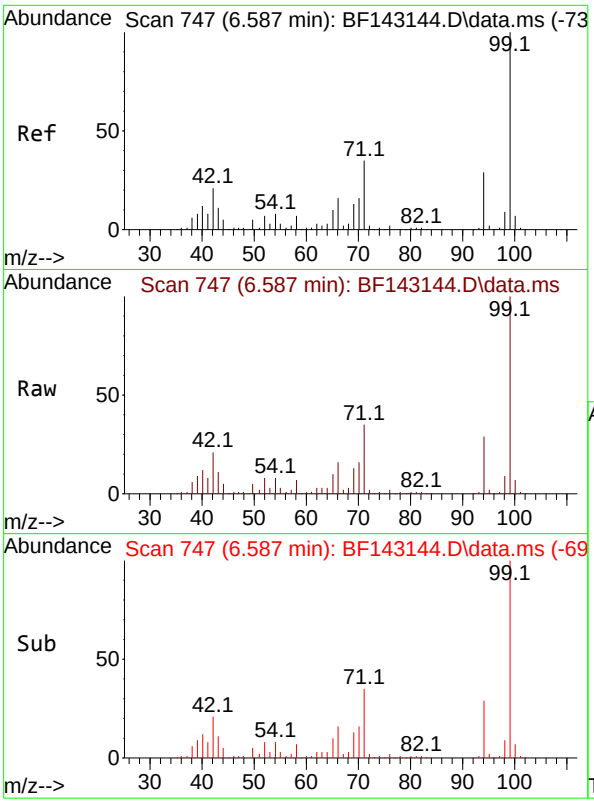


#6
Aniline
Concen: 39.770 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



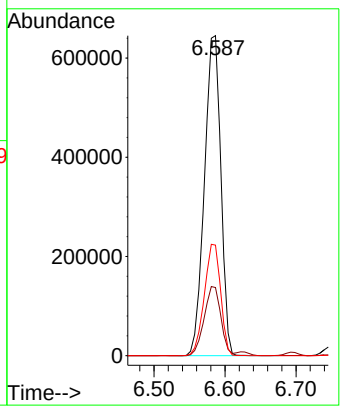


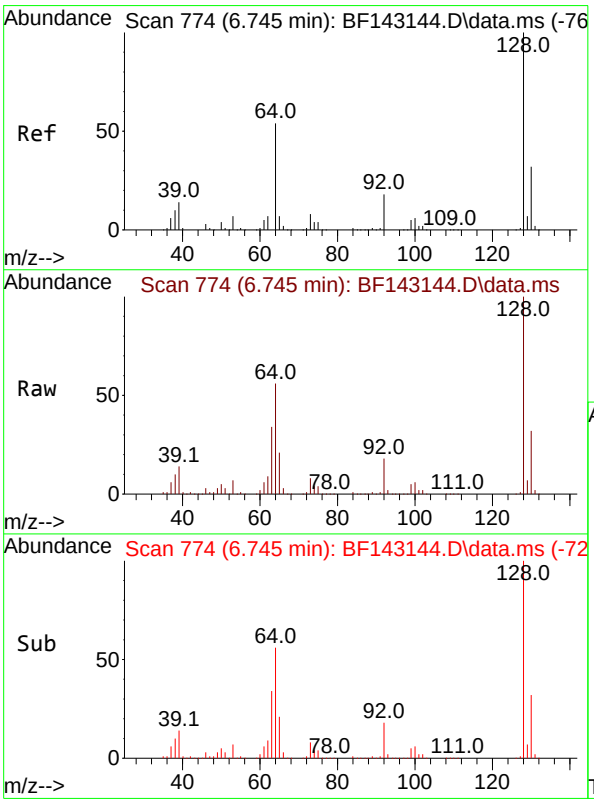
#7
Phenol-d6
Concen: 78.160 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

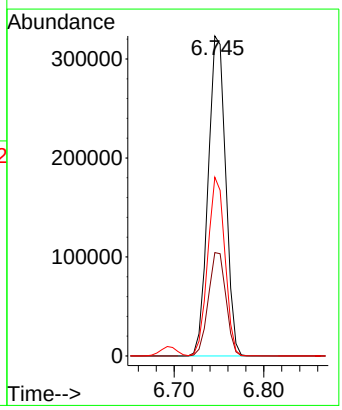


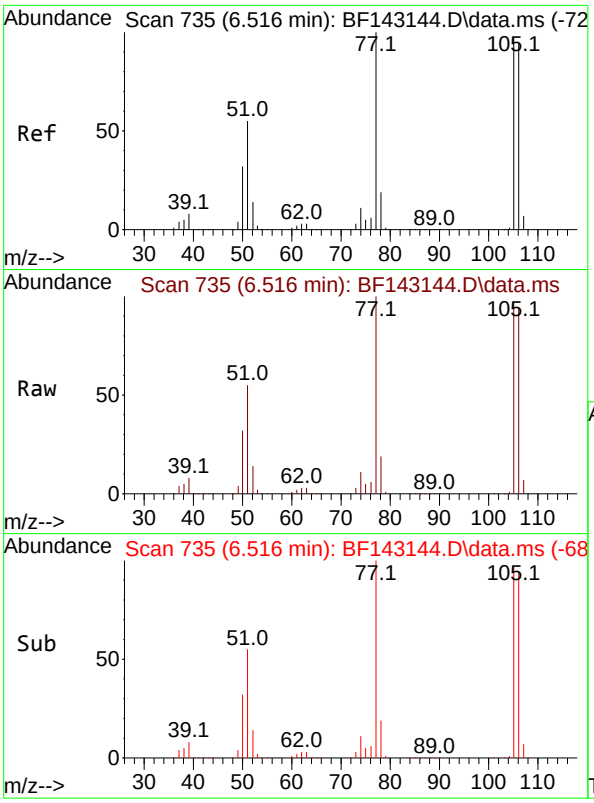


#8
2-Chlorophenol
Concen: 39.565 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



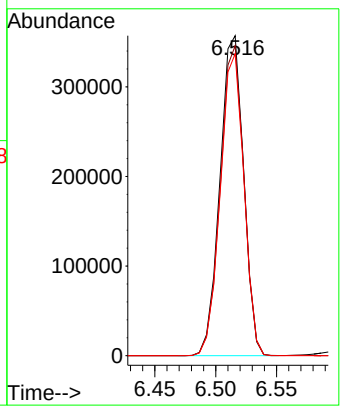


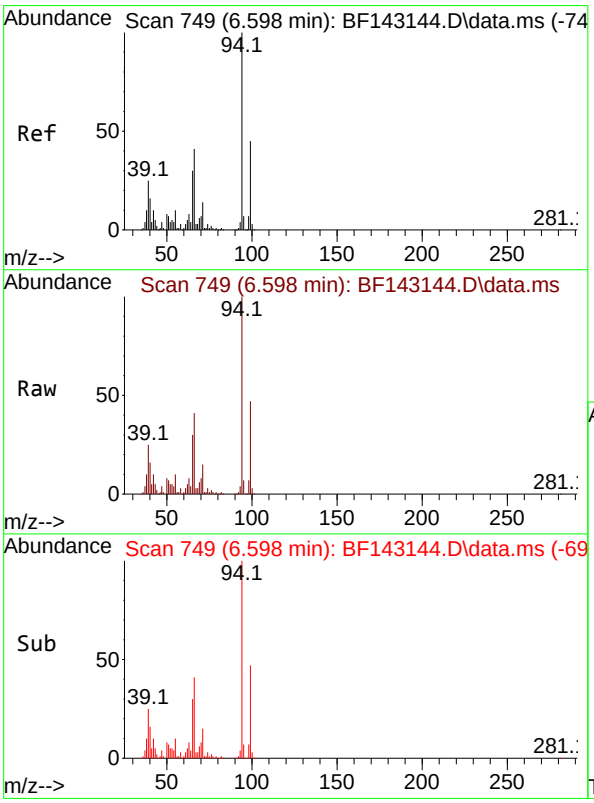
#9
Benzaldehyde
Concen: 48.387 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

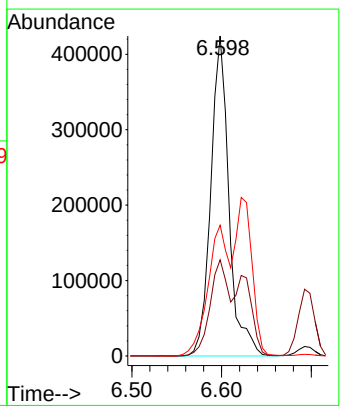


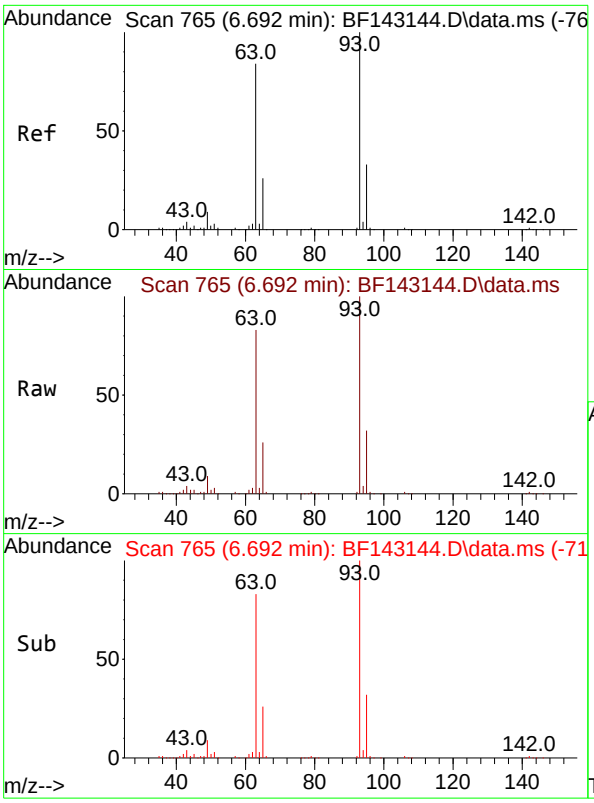


#10
Phenol
Concen: 41.241 ng
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



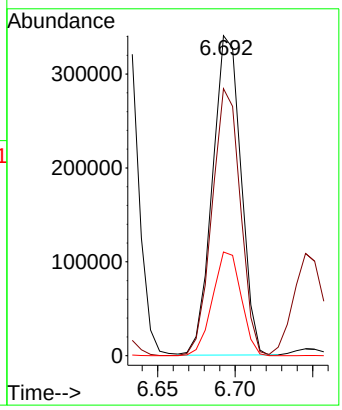


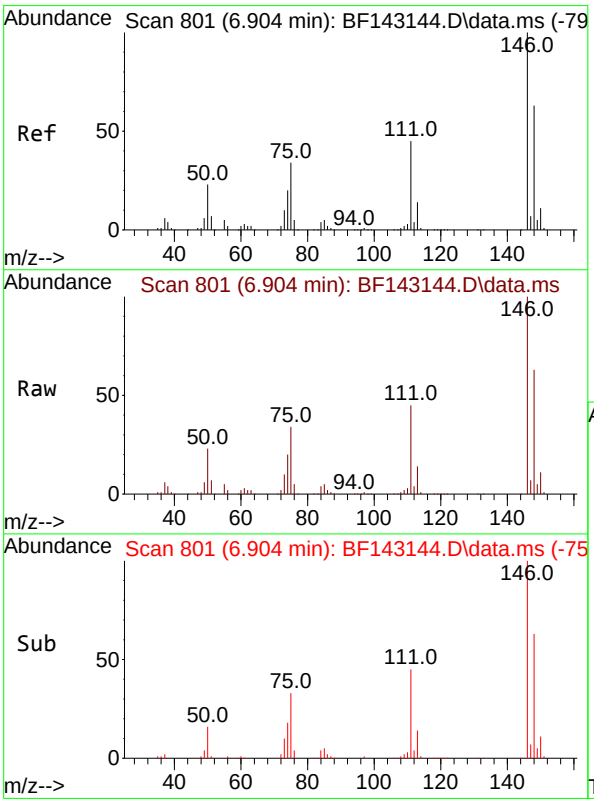
#11
bis(2-Chloroethyl)ether
Concen: 39.279 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

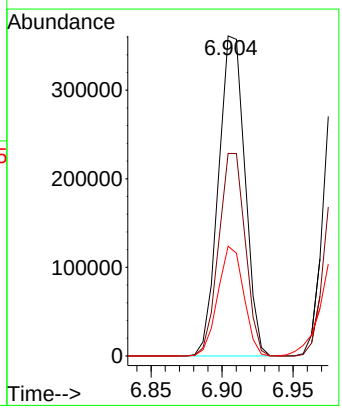


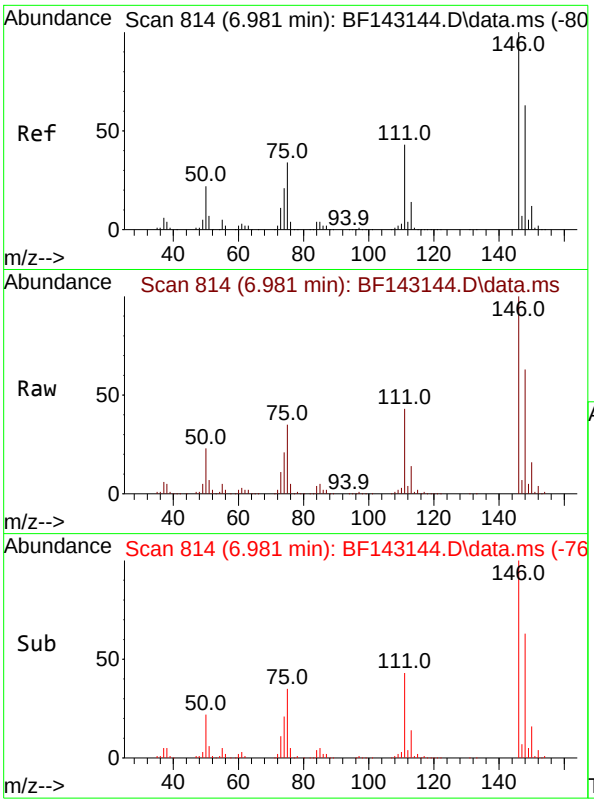


#12
1,3-Dichlorobenzene
Concen: 38.939 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



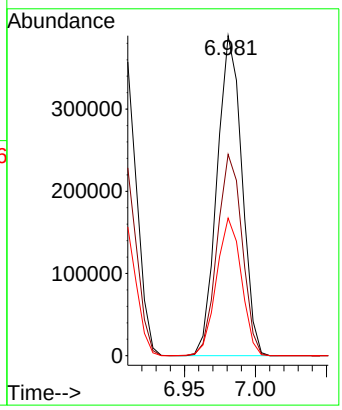


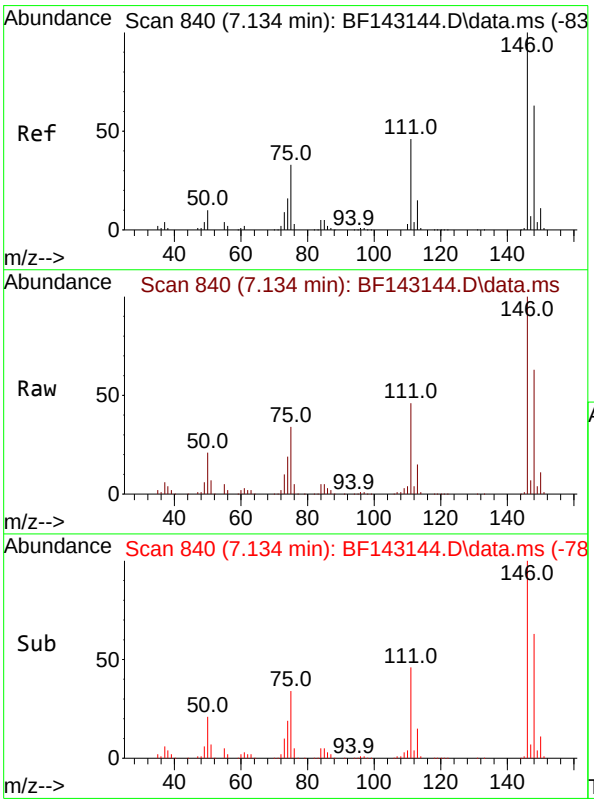
#13
1,4-Dichlorobenzene
Concen: 39.147 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

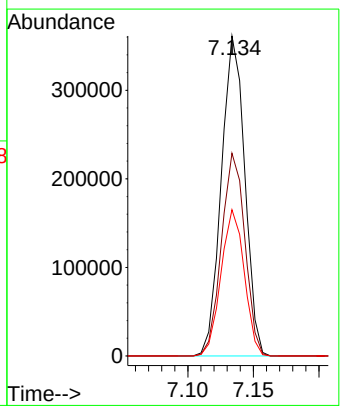


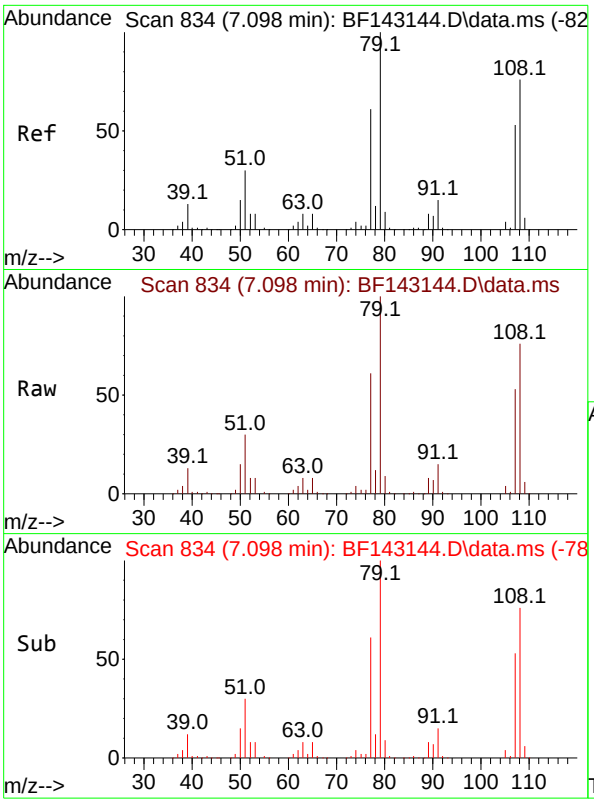


#14
1,2-Dichlorobenzene
Concen: 38.970 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



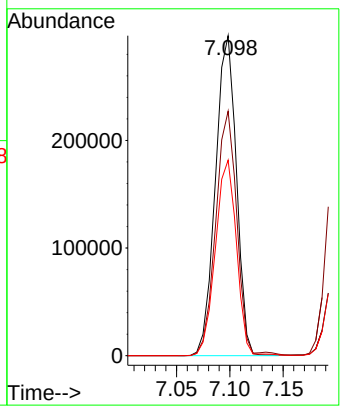


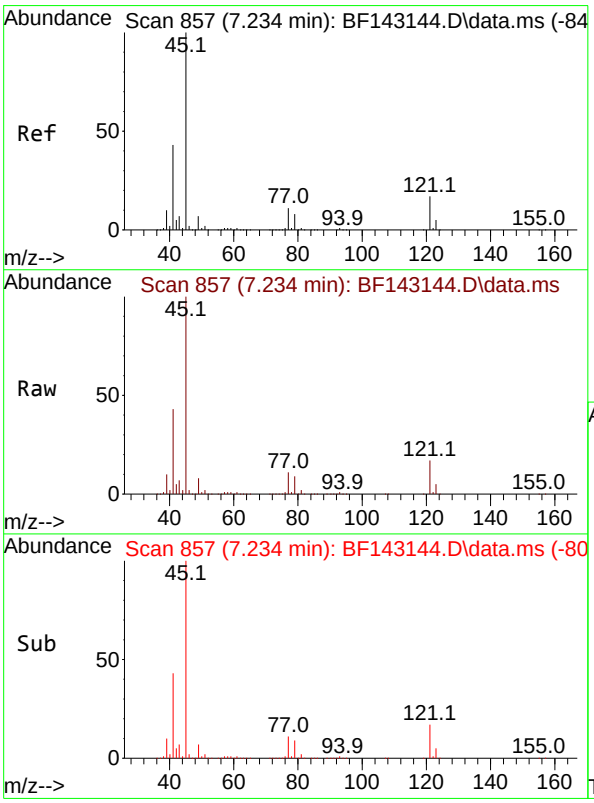
#15
Benzyl Alcohol
Concen: 40.017 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

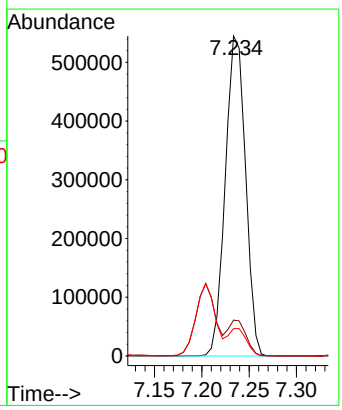


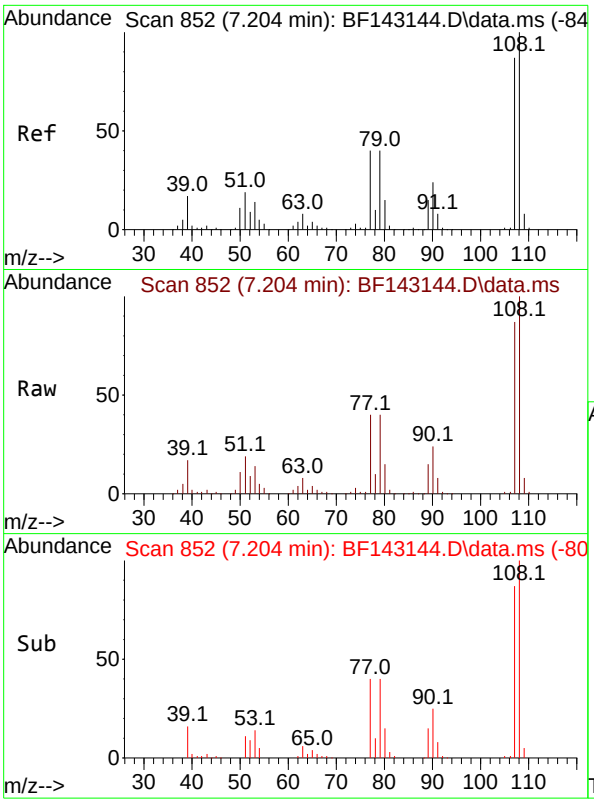


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.337 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



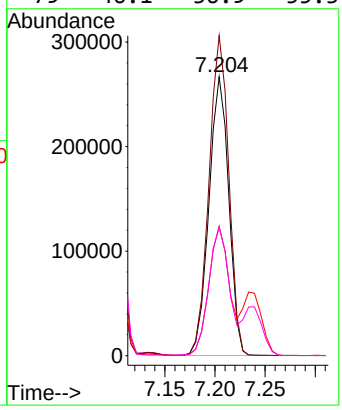


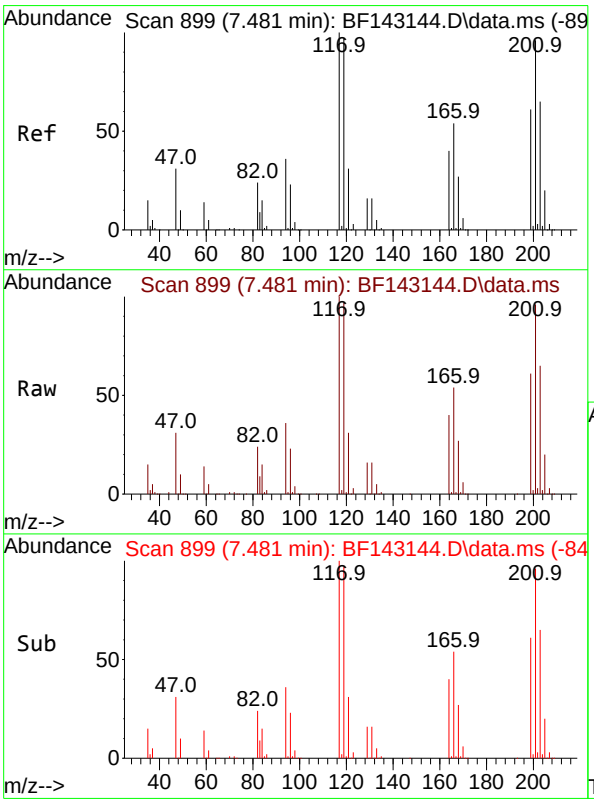
#17
2-Methylphenol
Concen: 39.381 ng
RT: 7.204 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

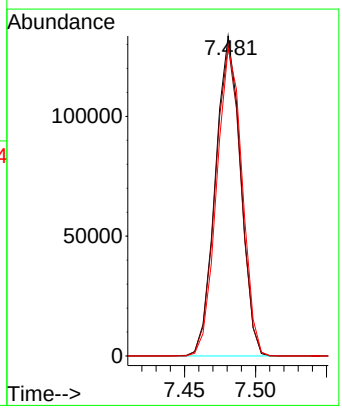


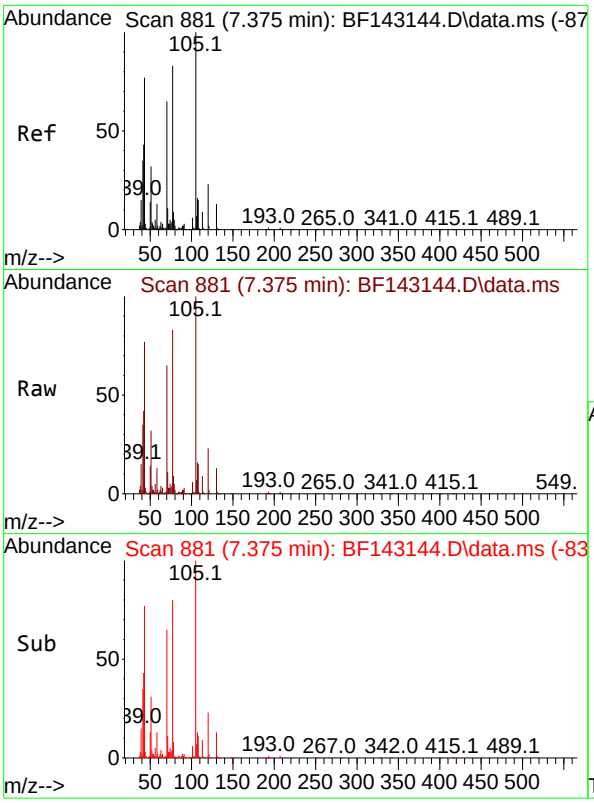


#18
Hexachloroethane
Concen: 39.425 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



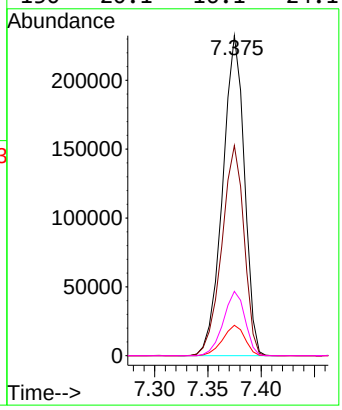


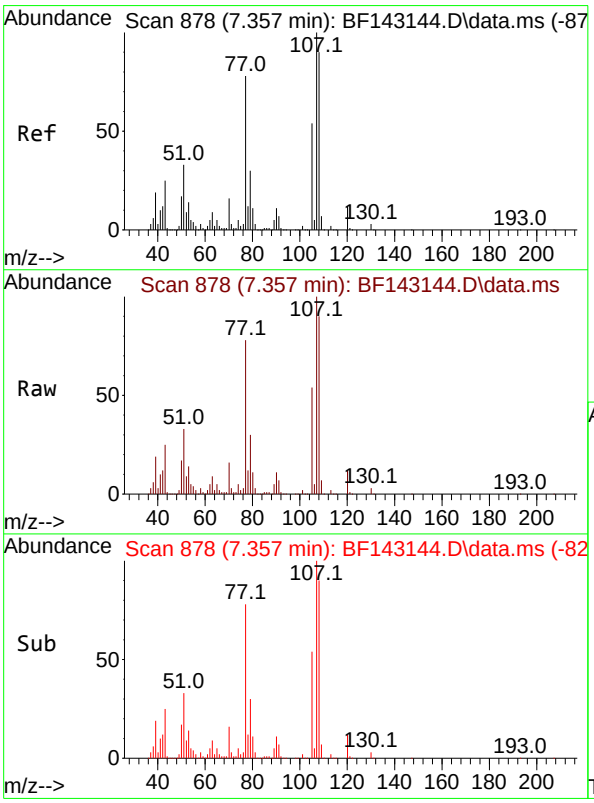
#19
n-Nitroso-di-n-propylamine
Concen: 38.656 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

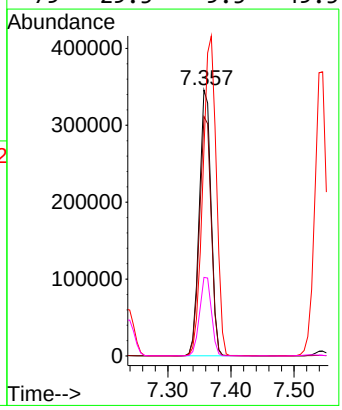


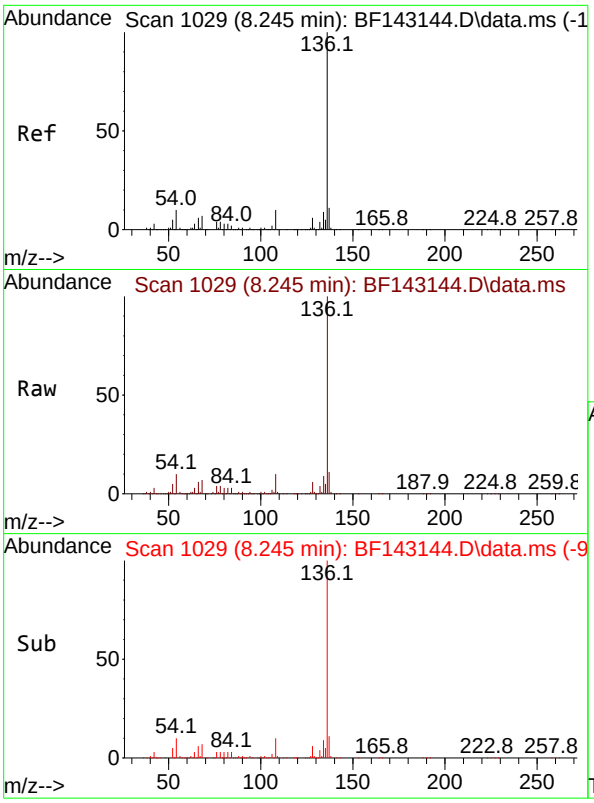


#20
3+4-Methylphenols
Concen: 39.685 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



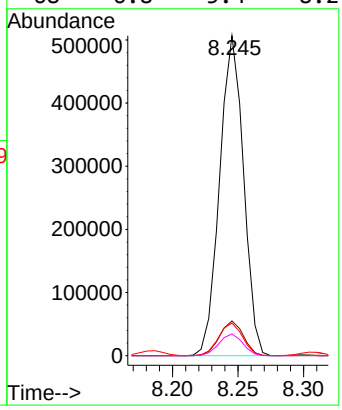


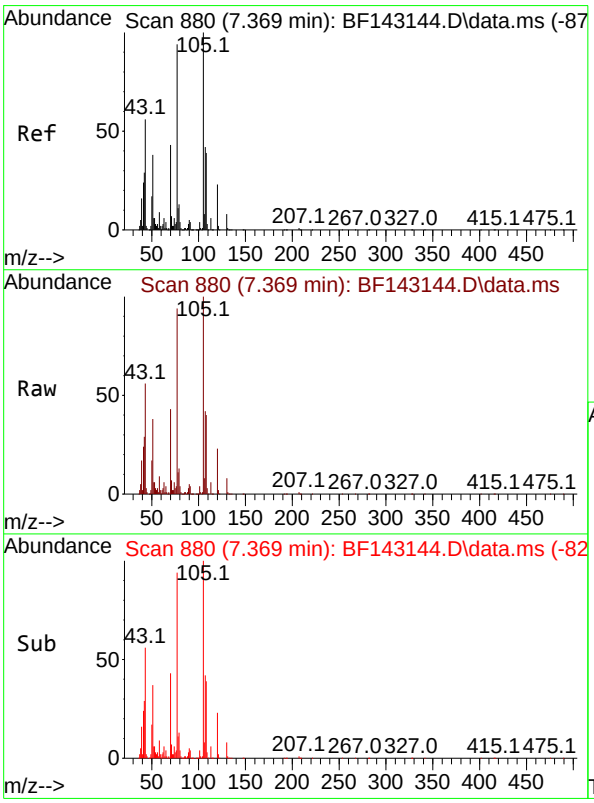
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

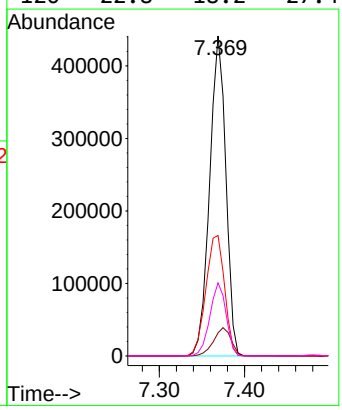


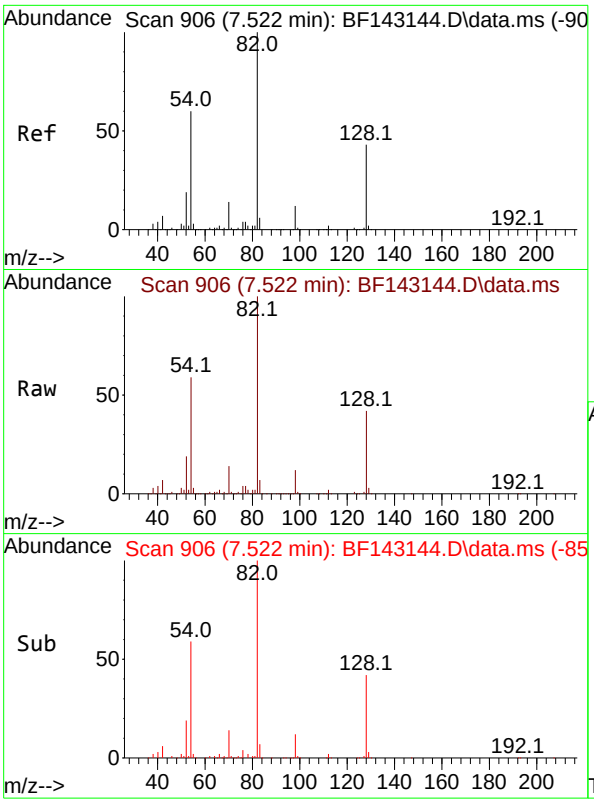


#22
Acetophenone
Concen: 38.444 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



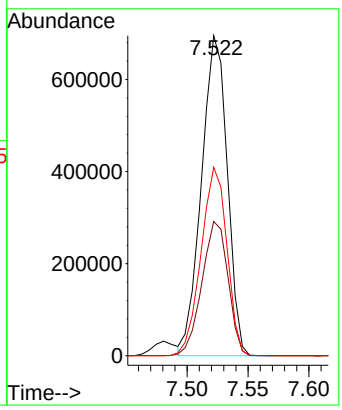


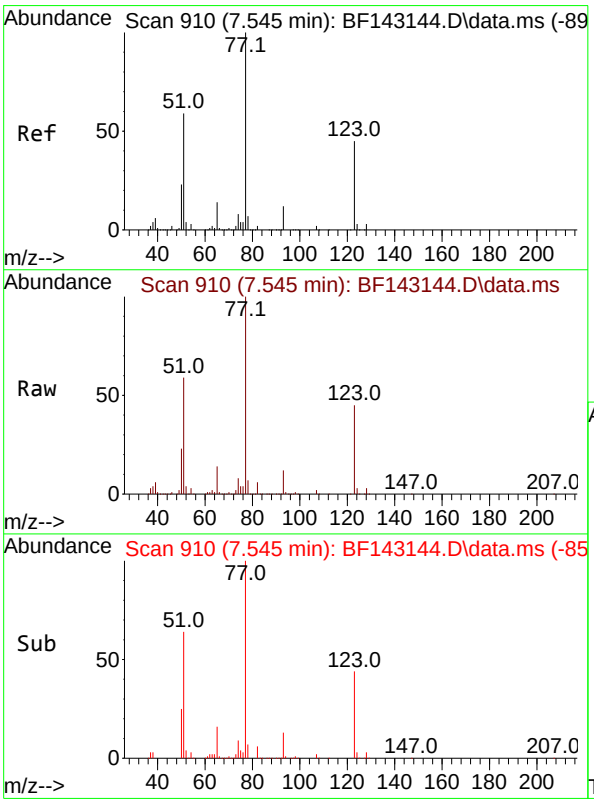
#23
Nitrobenzene-d5
Concen: 79.512 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

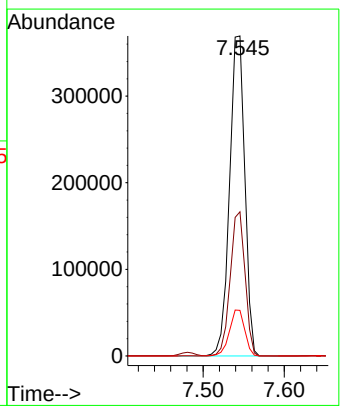


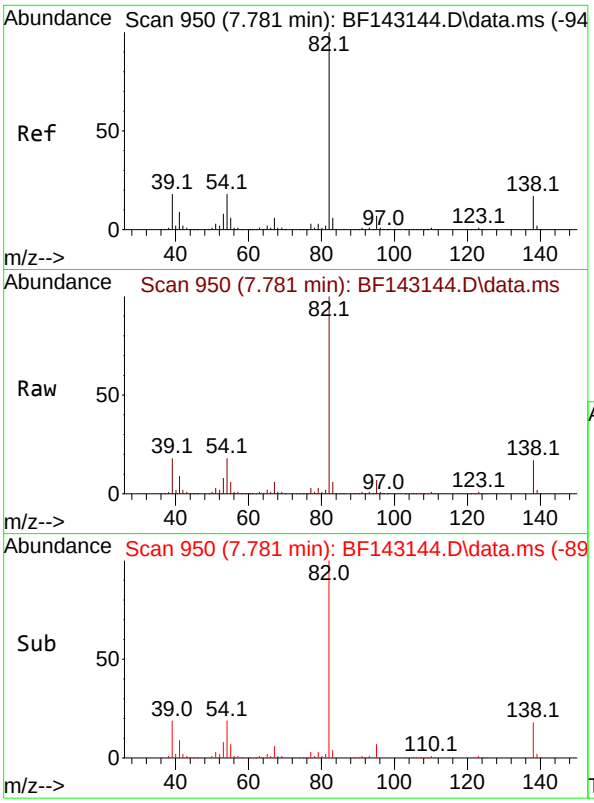


#24
Nitrobenzene
Concen: 40.136 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



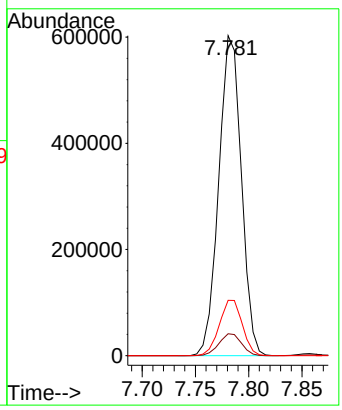


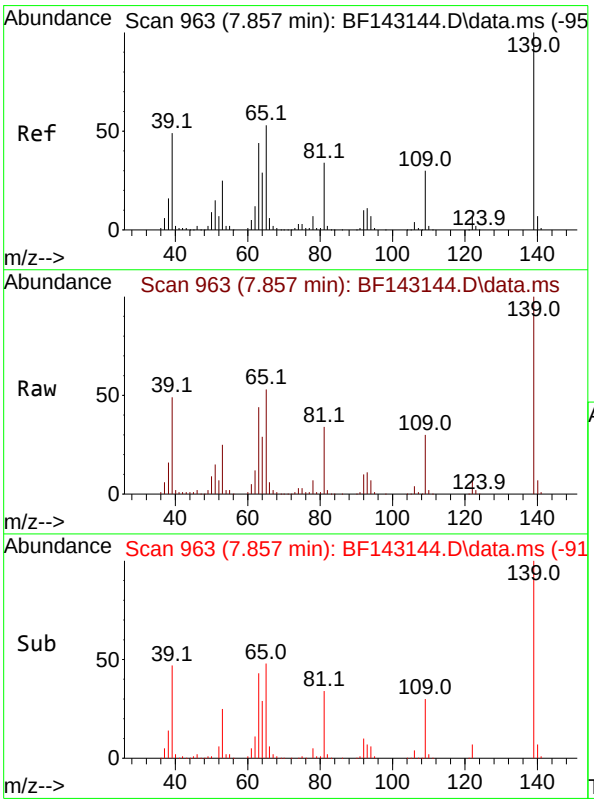
#25
Isophorone
Concen: 39.093 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

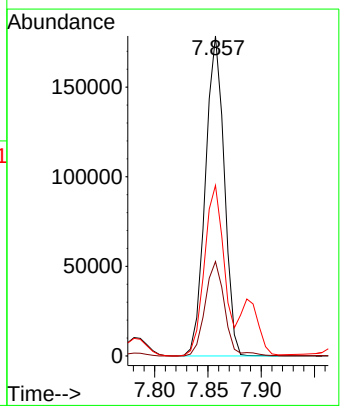


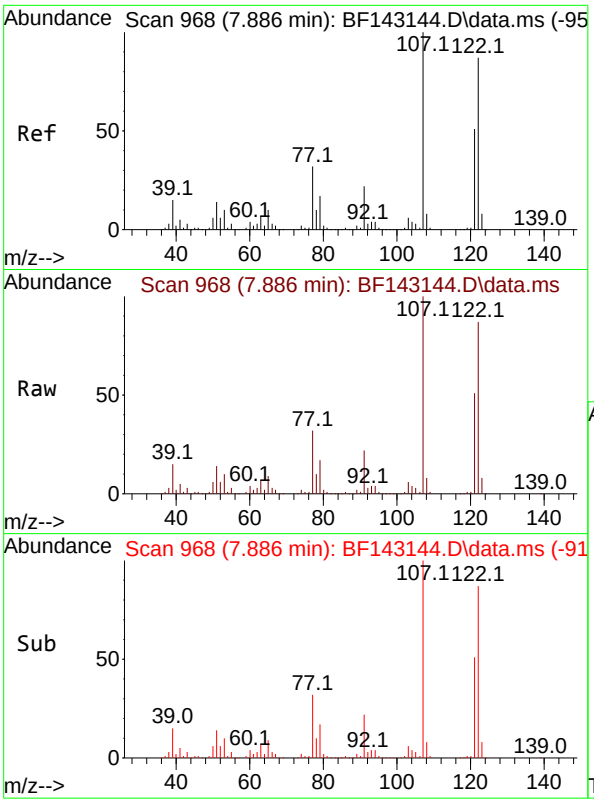


#26
2-Nitrophenol
Concen: 42.323 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



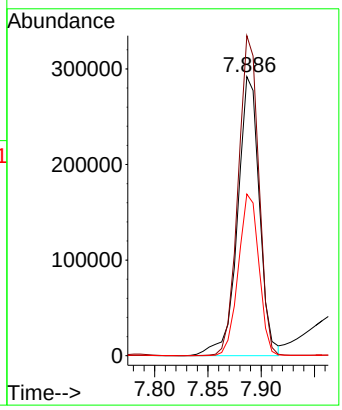


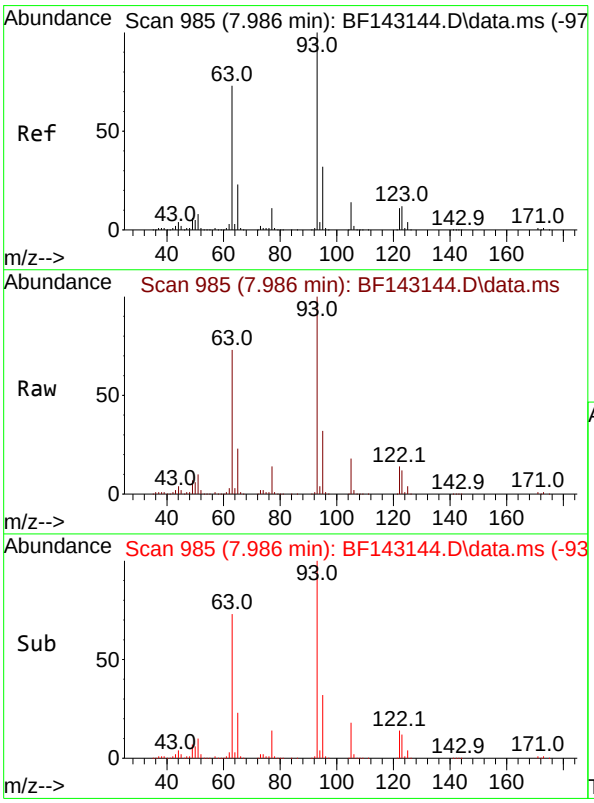
#27
2,4-Dimethylphenol
Concen: 39.210 ng
RT: 7.886 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

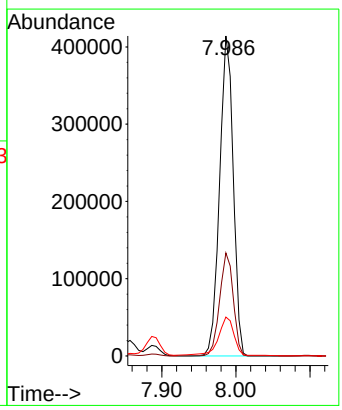


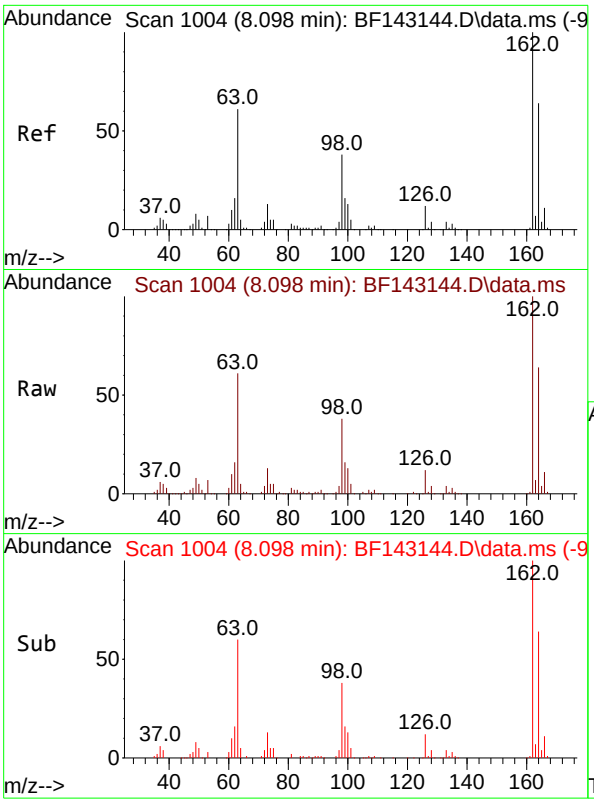


#28
bis(2-Chloroethoxy)methane
Concen: 38.860 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



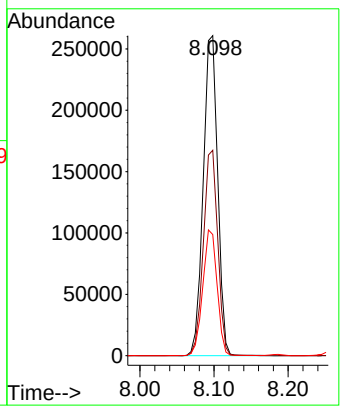


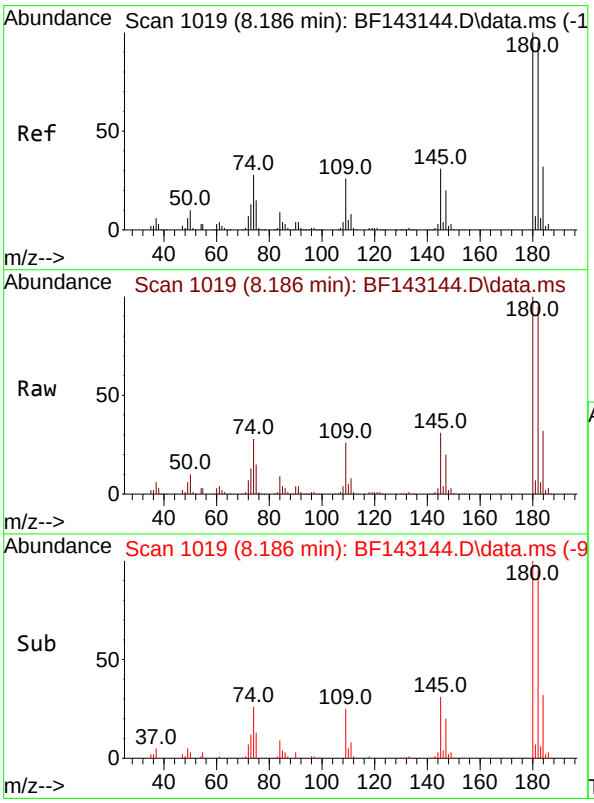
#29
2,4-Dichlorophenol
Concen: 39.537 ng
RT: 8.098 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

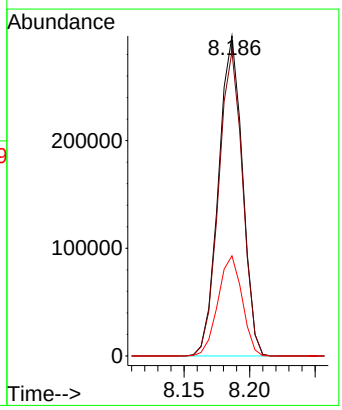


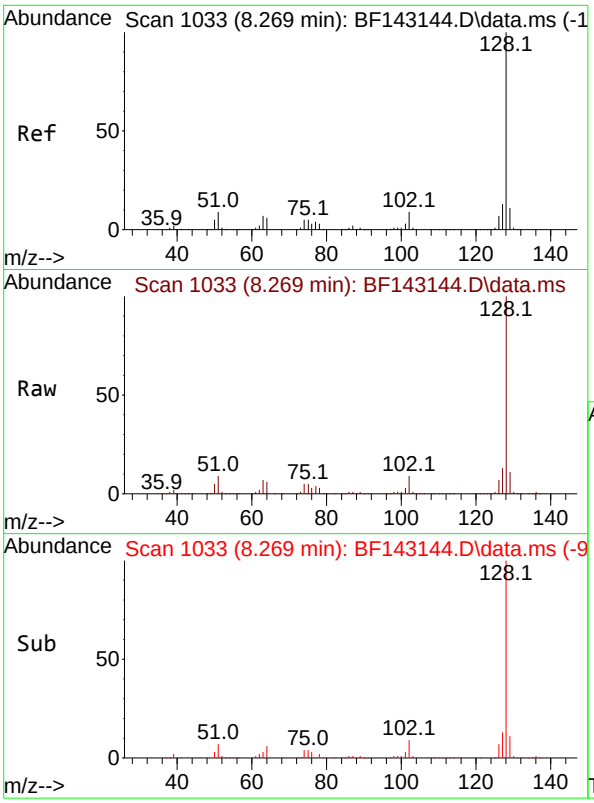


#30
1,2,4-Trichlorobenzene
Concen: 38.947 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



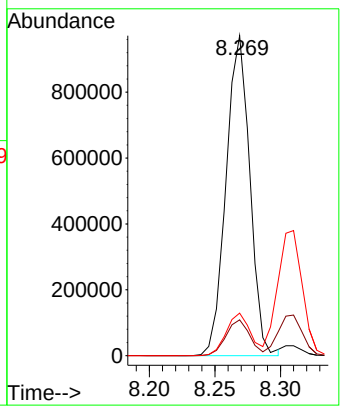


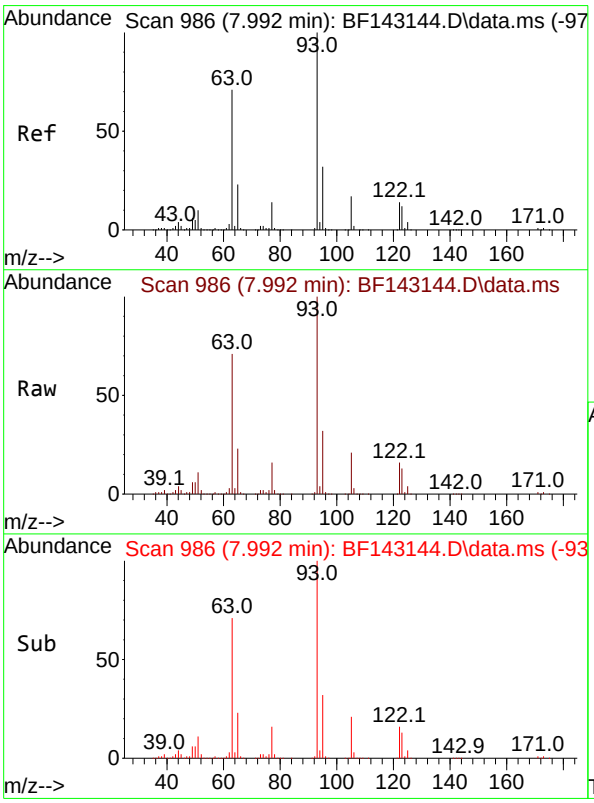
#31
Naphthalene
Concen: 38.749 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

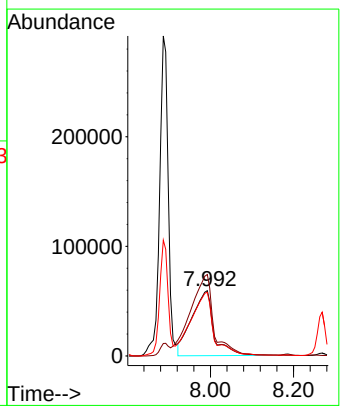


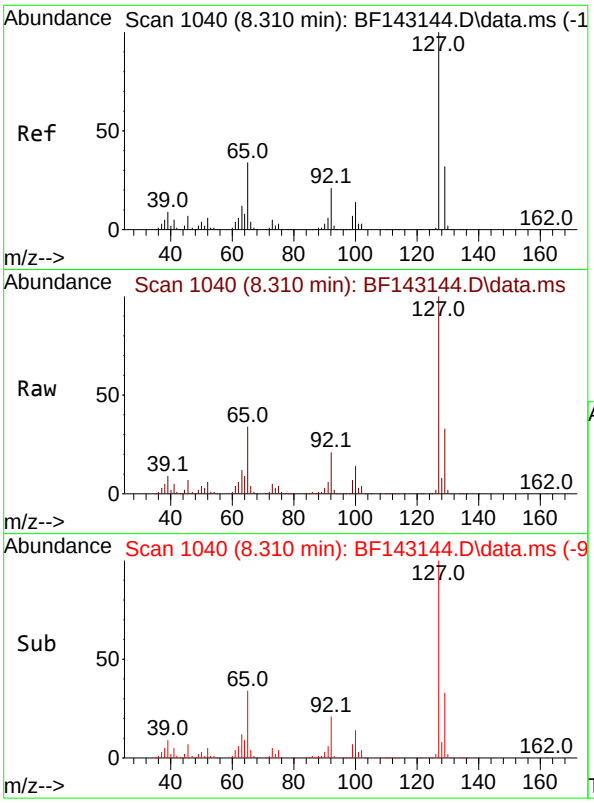


#32
Benzoic acid
Concen: 38.306 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



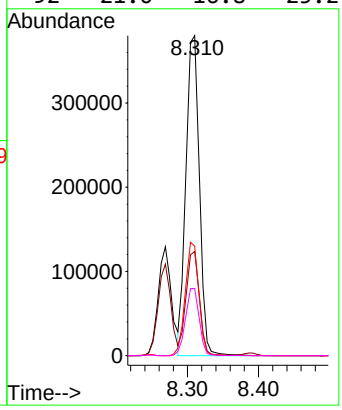


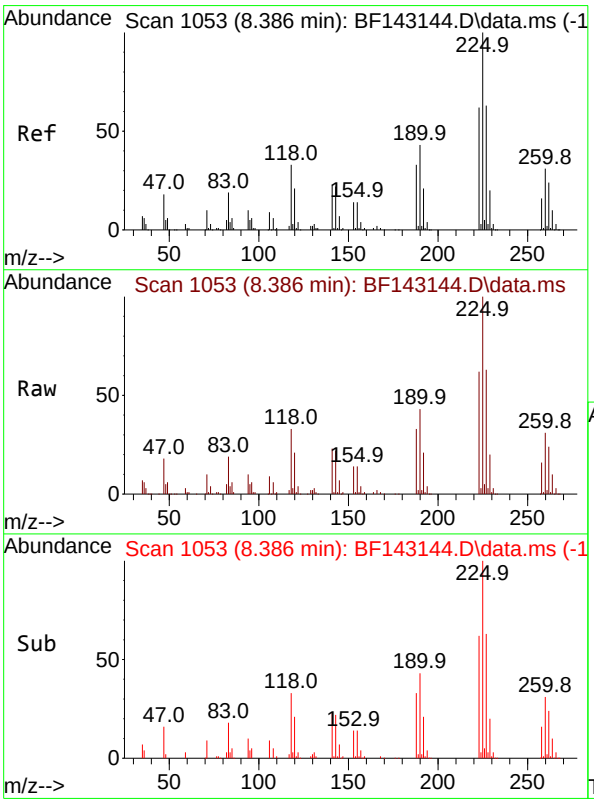
#33
4-Chloroaniline
Concen: 38.796 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

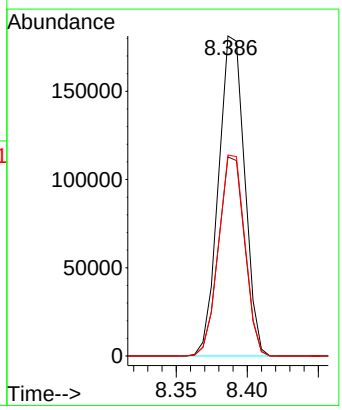


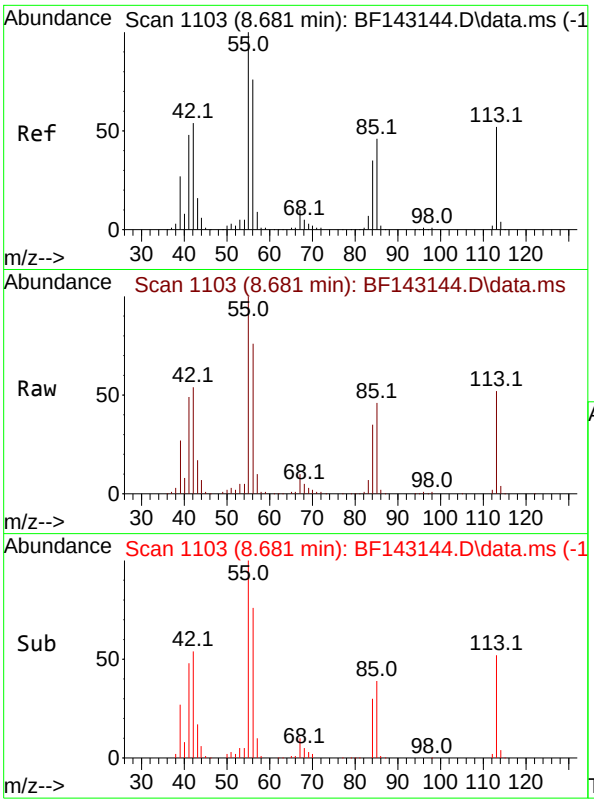


#34
Hexachlorobutadiene
Concen: 39.211 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



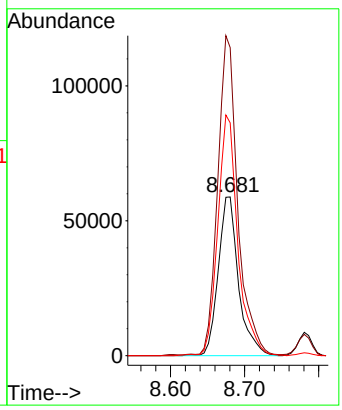


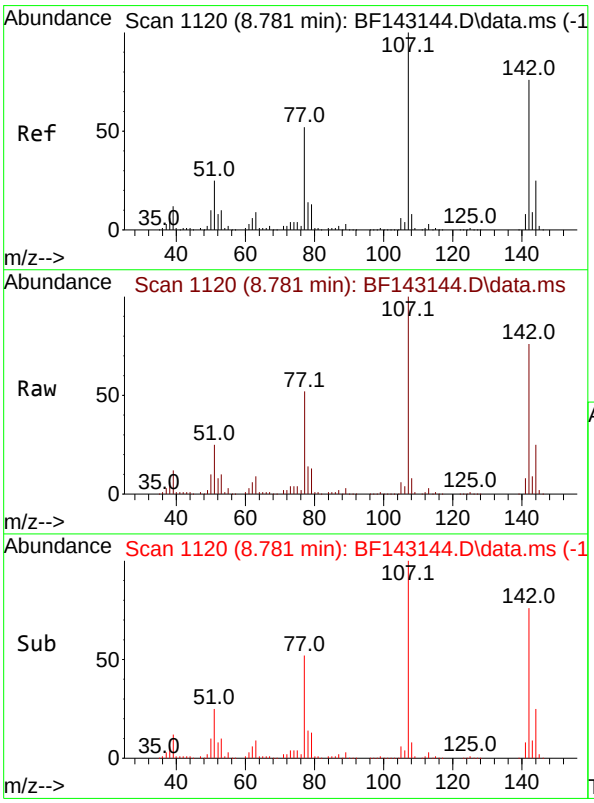
#35
Caprolactam
Concen: 41.312 ng
RT: 8.681 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

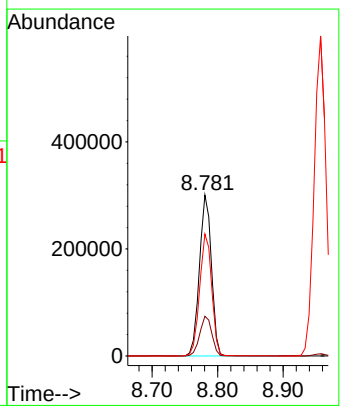


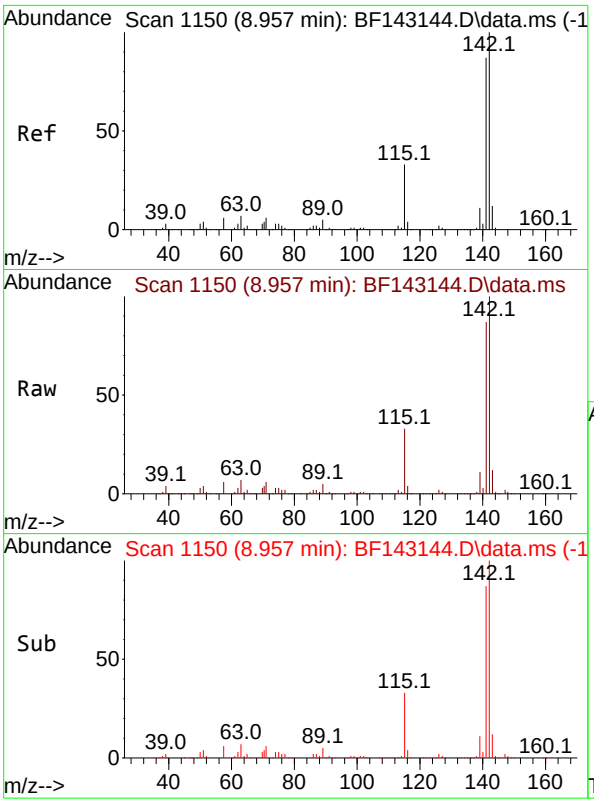


#36
4-Chloro-3-methylphenol
Concen: 39.628 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



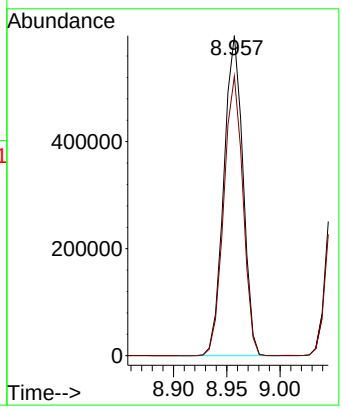


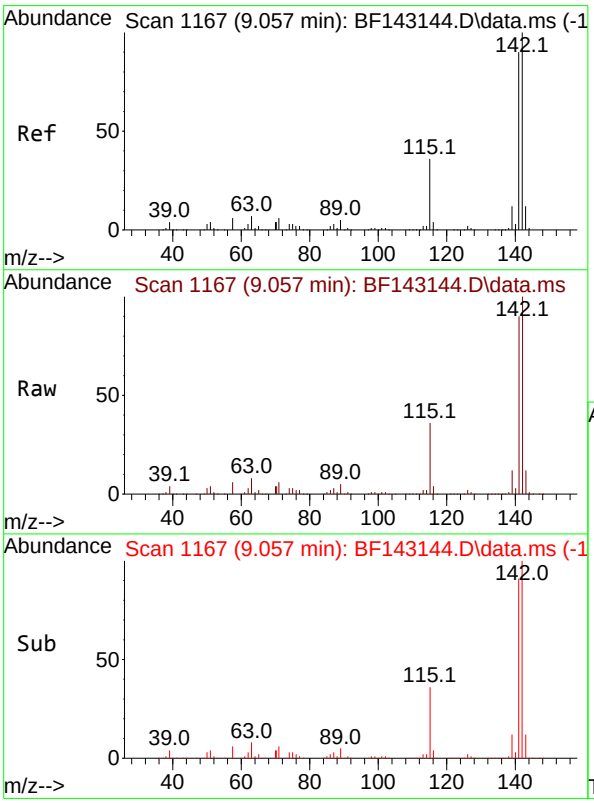
#37
2-Methylnaphthalene
Concen: 38.720 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 744295

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

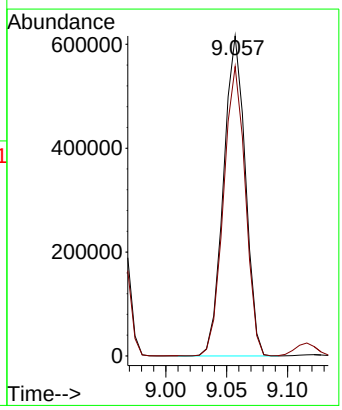


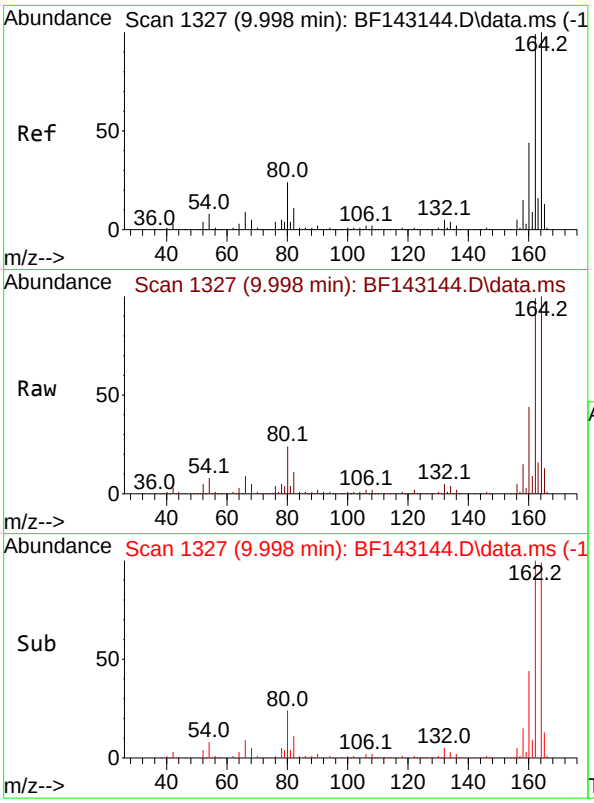


#38
1-Methylnaphthalene
Concen: 38.825 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

Tgt Ion:142 Resp: 768508

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5



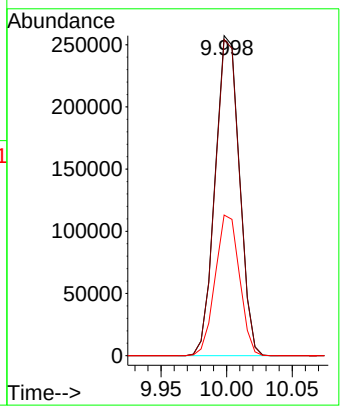


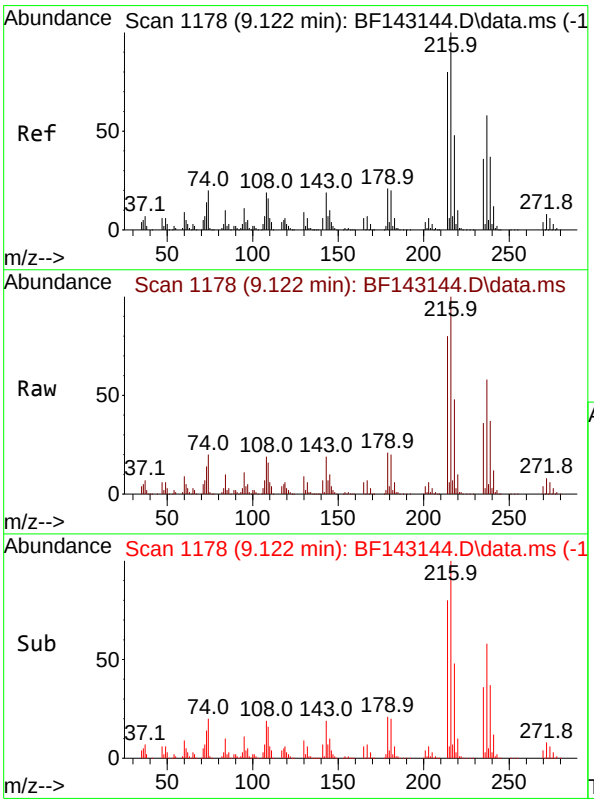
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

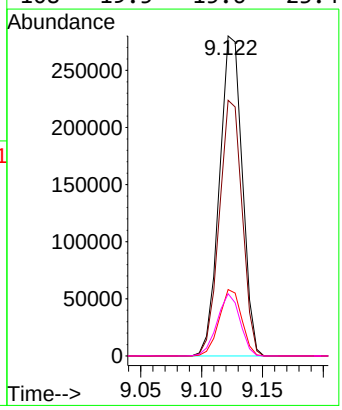


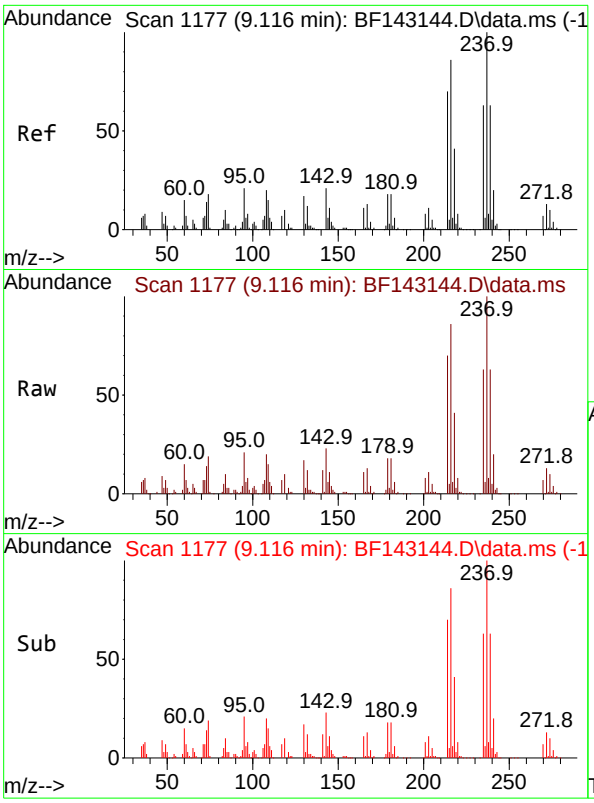


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.118 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



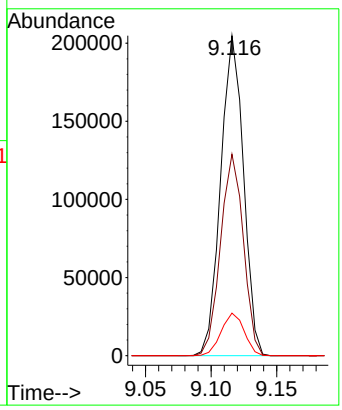


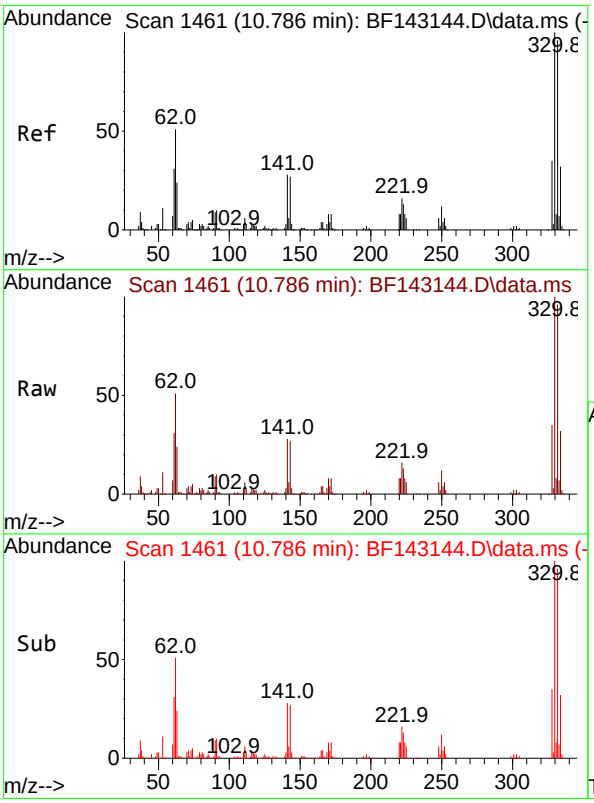
#41
Hexachlorocyclopentadiene
Concen: 39.695 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

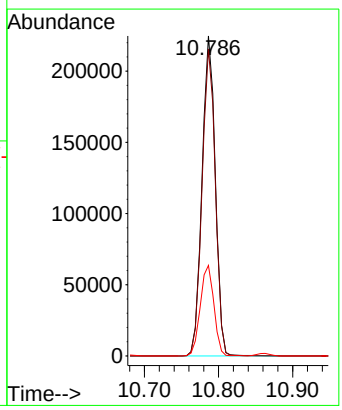


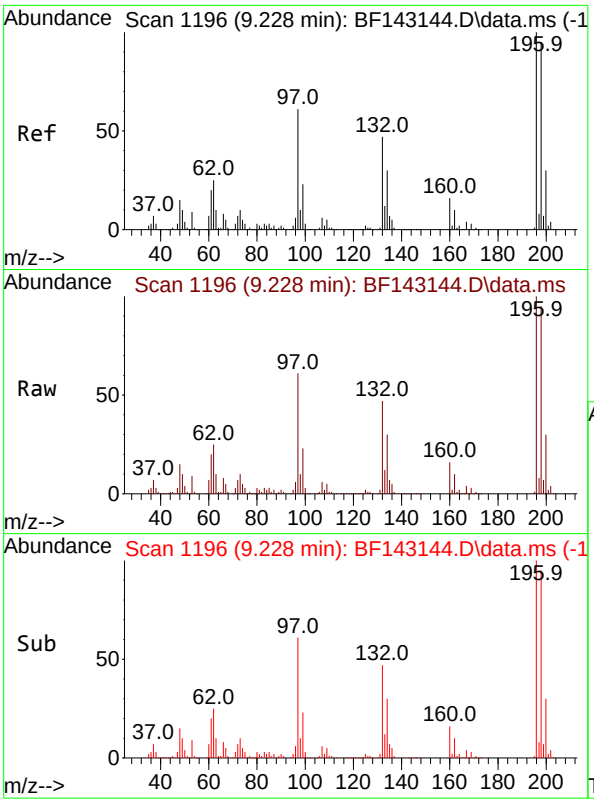


#42
2,4,6-Tribromophenol
Concen: 81.485 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



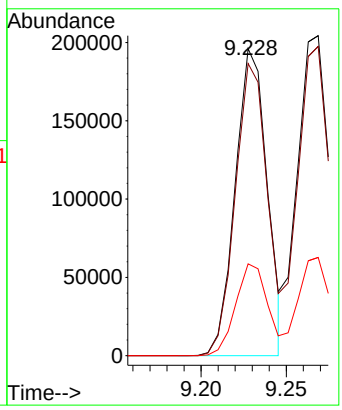


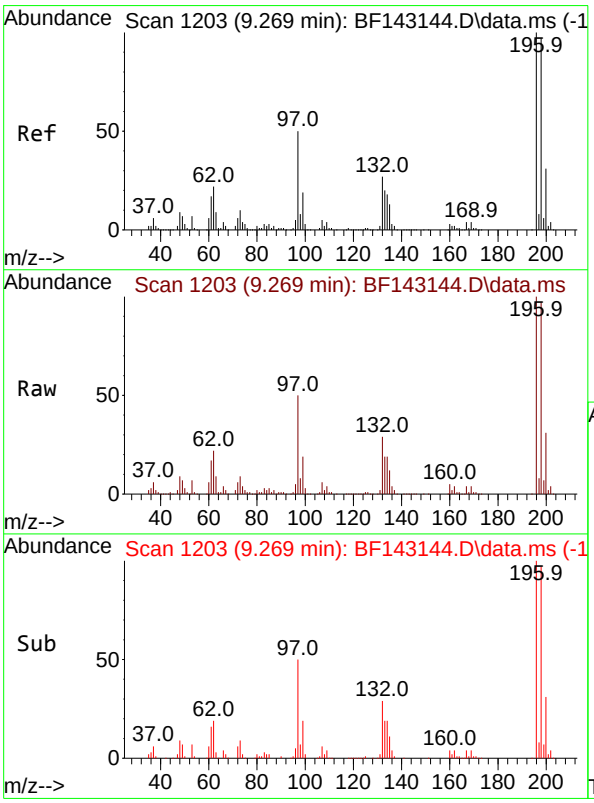
#43
2,4,6-Trichlorophenol
Concen: 38.471 ng
RT: 9.228 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

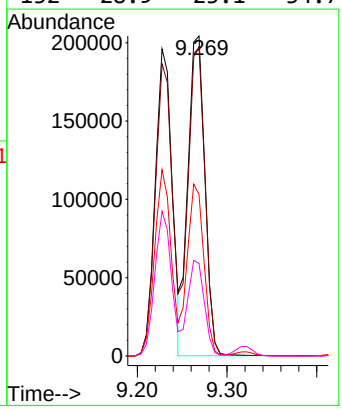


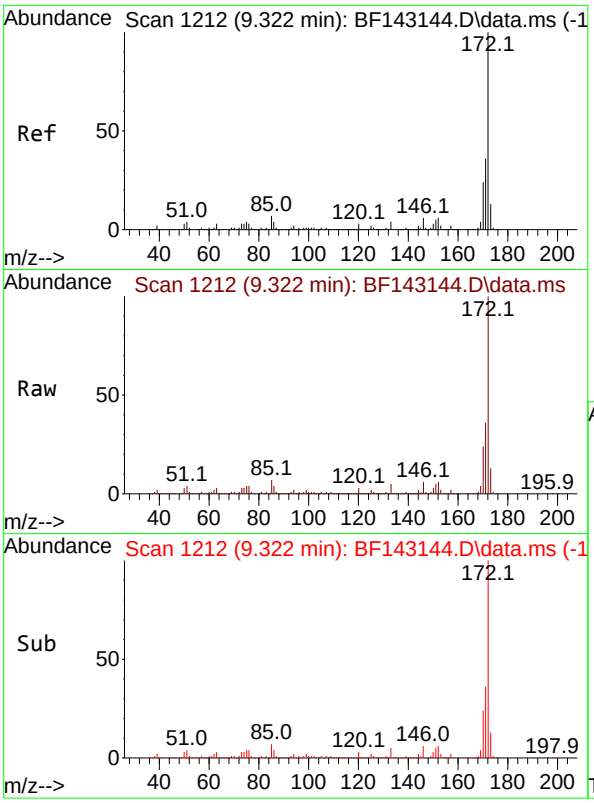


#44
2,4,5-Trichlorophenol
Concen: 40.494 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



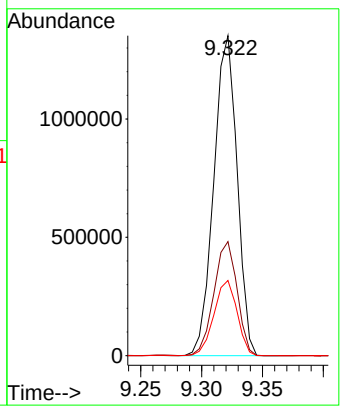


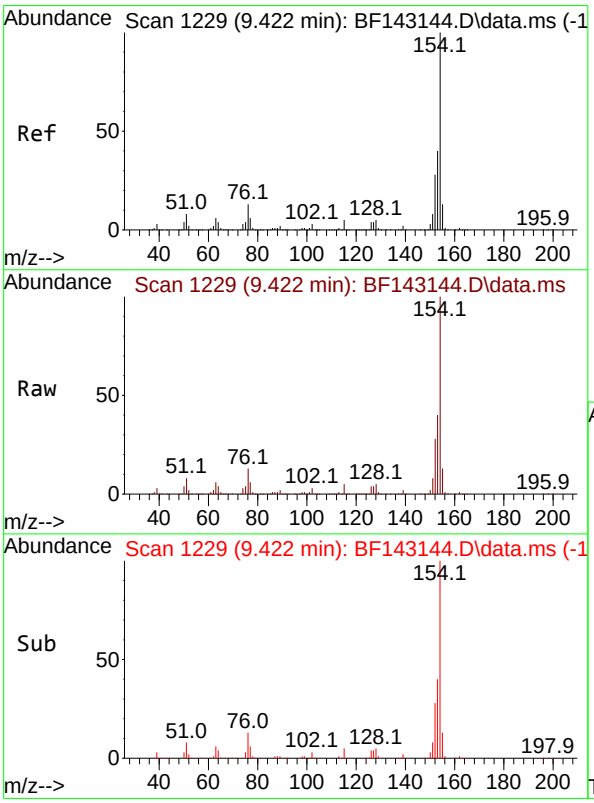
#45
2-Fluorobiphenyl
Concen: 74.274 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

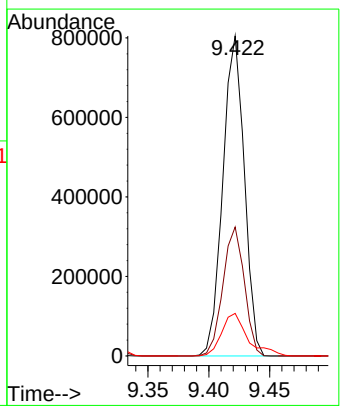


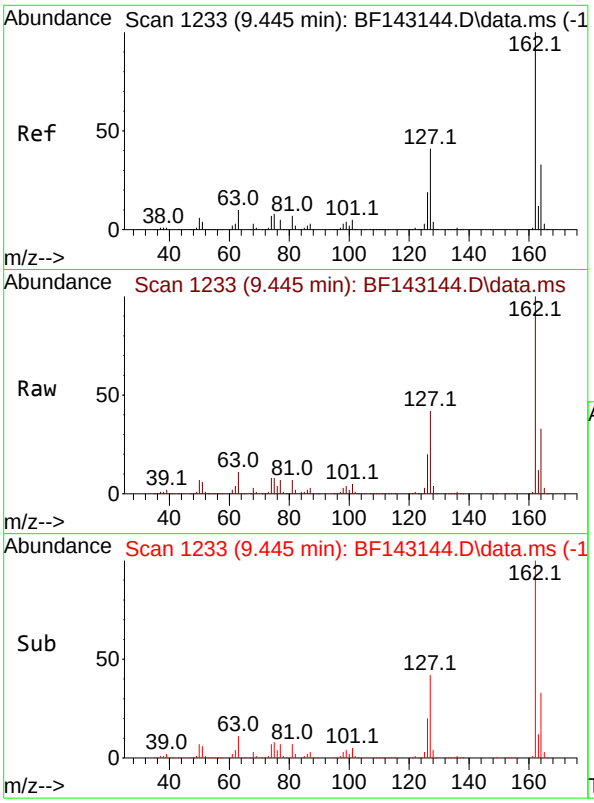


#46
1,1'-Biphenyl
Concen: 38.177 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



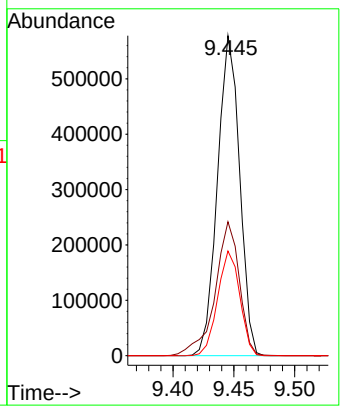


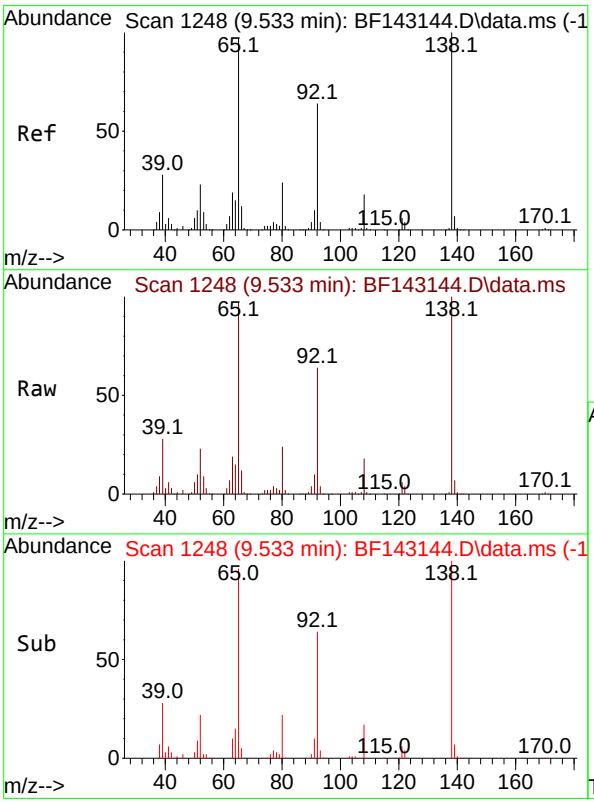
#47
2-Chloronaphthalene
Concen: 38.200 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

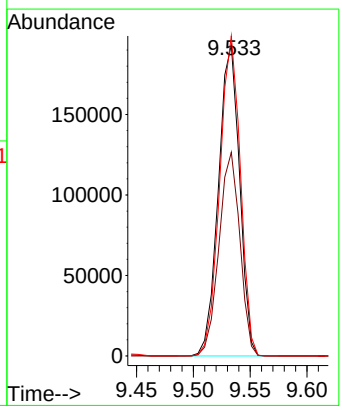


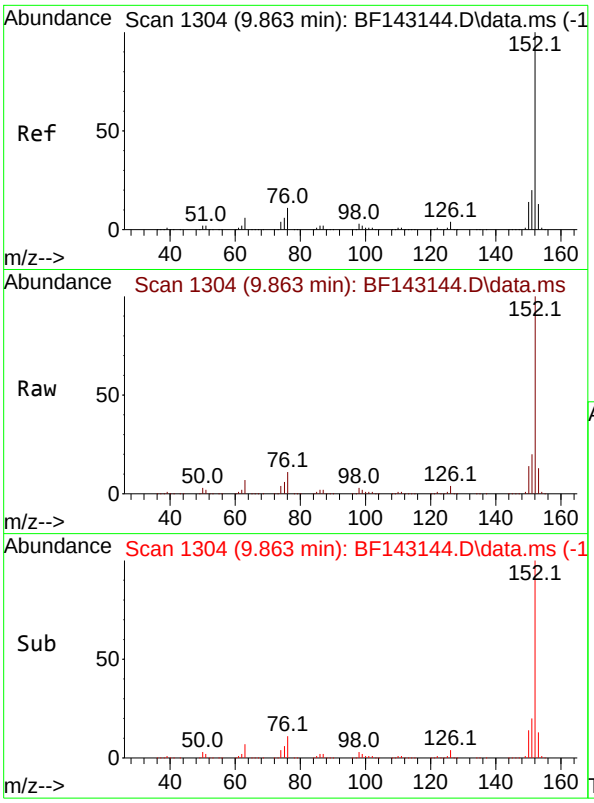


#48
2-Nitroaniline
Concen: 41.594 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



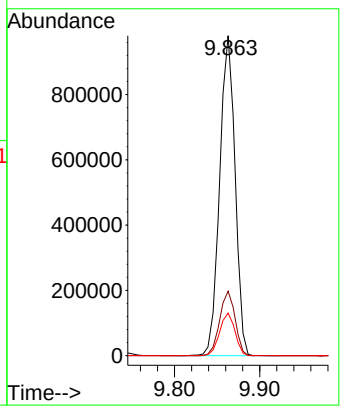


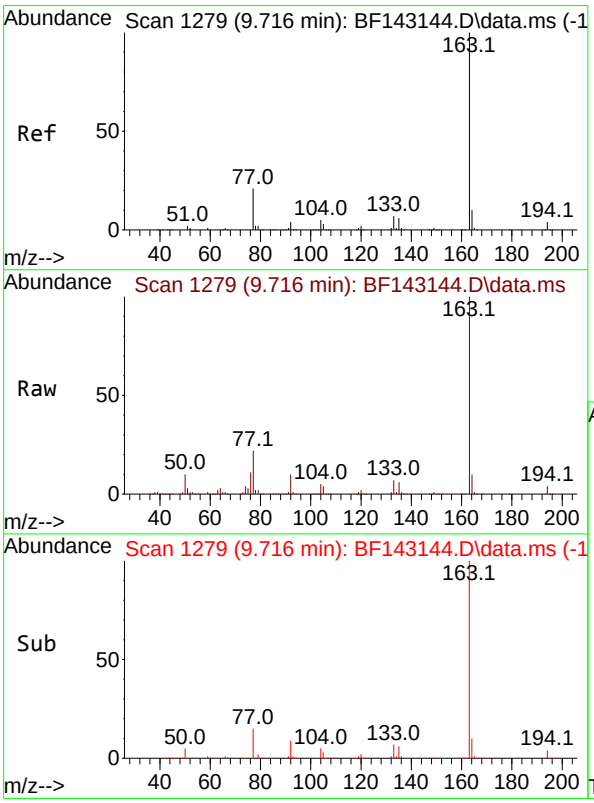
#49
Acenaphthylene
Concen: 38.458 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

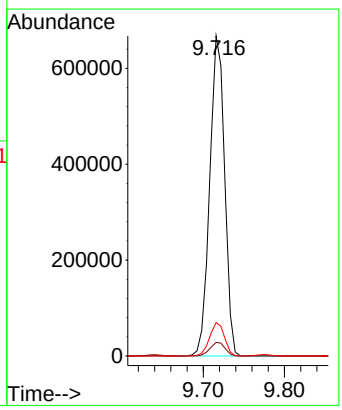


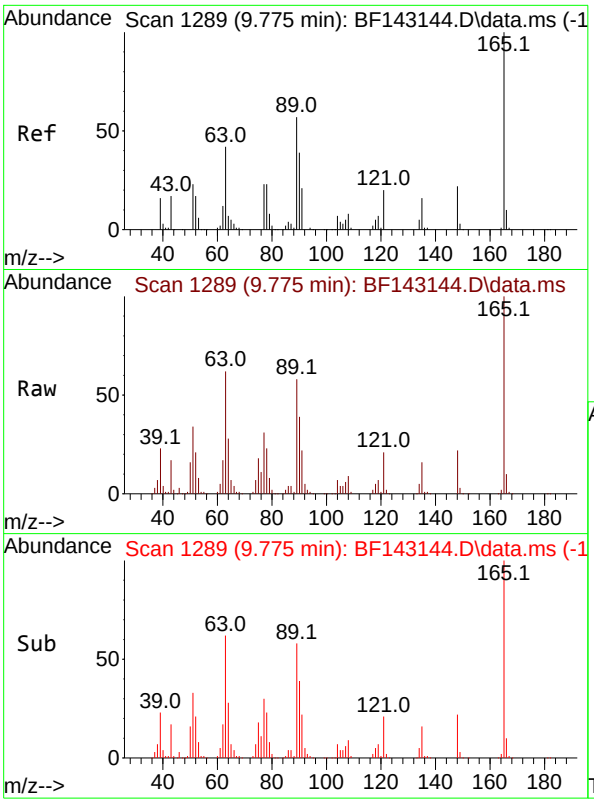


#50
Dimethylphthalate
Concen: 39.238 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



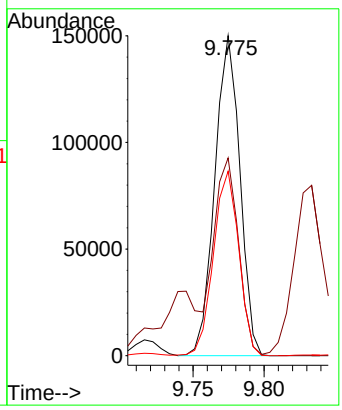


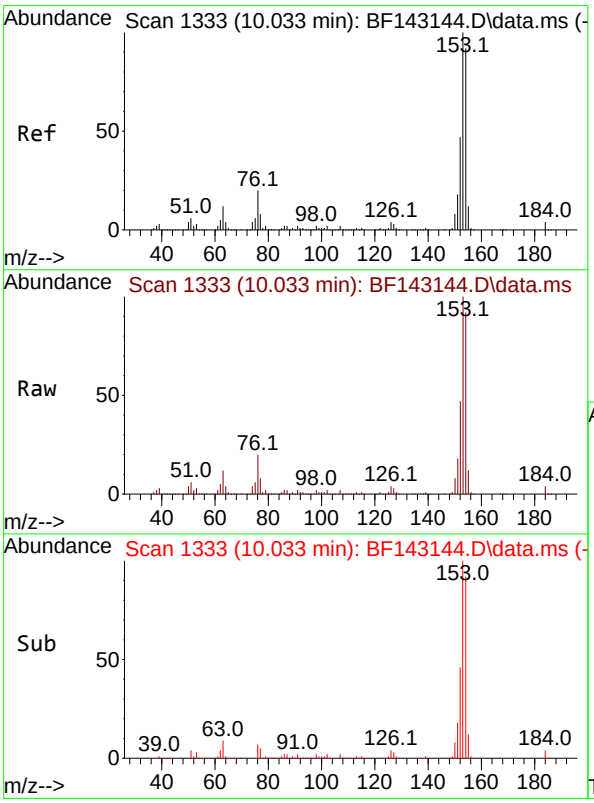
#51
2,6-Dinitrotoluene
Concen: 41.866 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

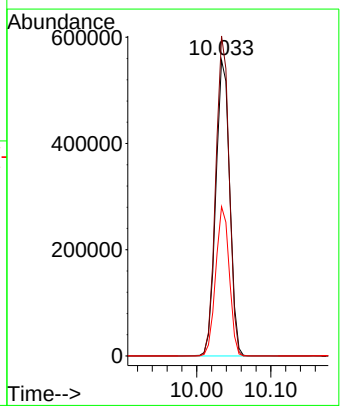


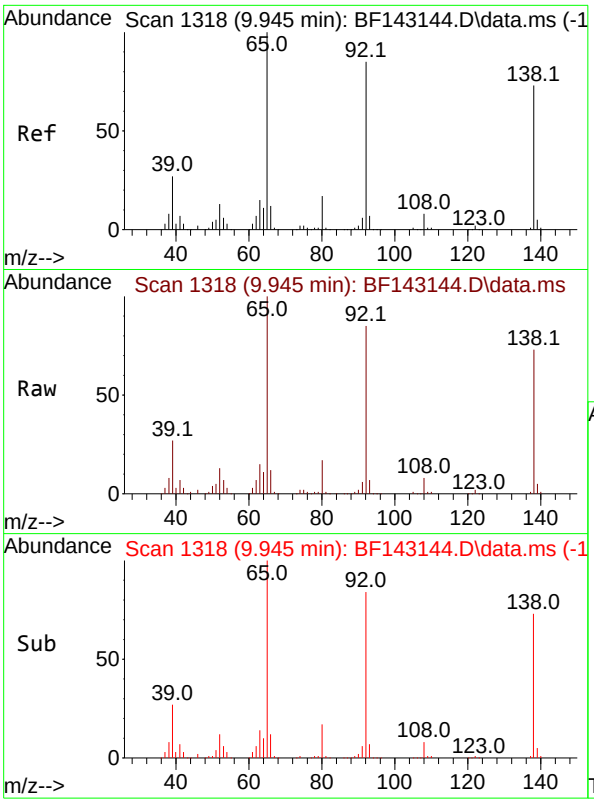


#52
Acenaphthene
Concen: 38.330 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



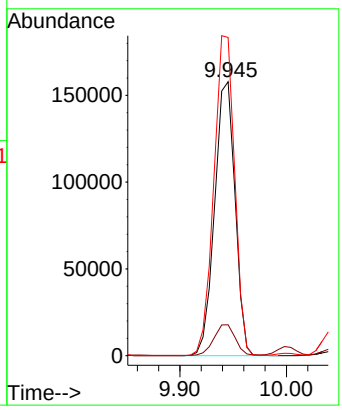


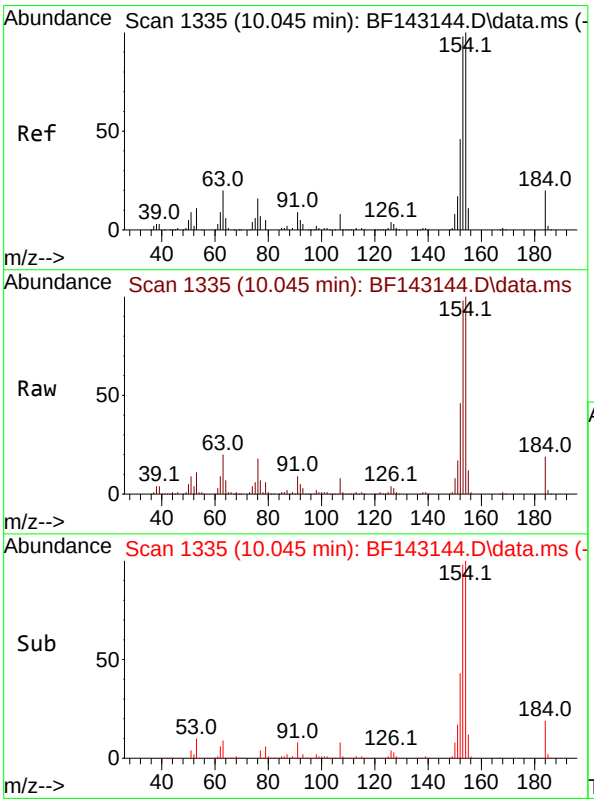
#53
3-Nitroaniline
Concen: 40.832 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

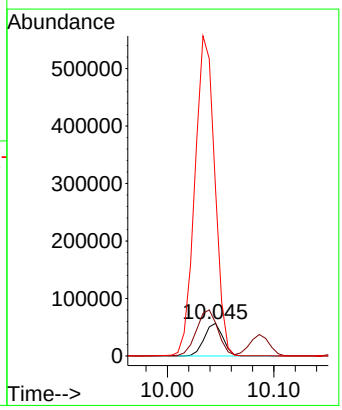


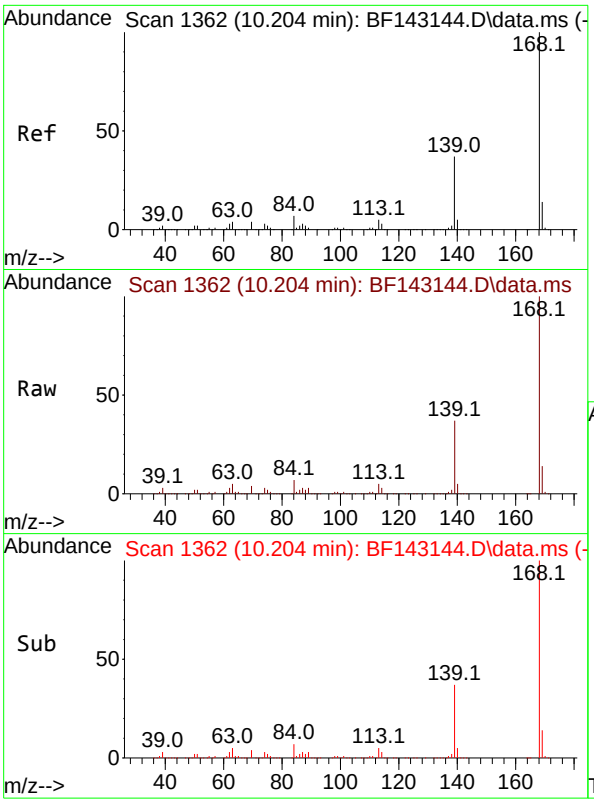


#54
2,4-Dinitrophenol
Concen: 38.449 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



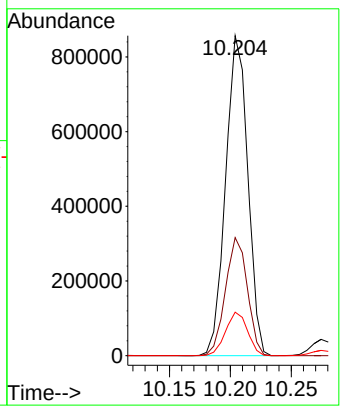


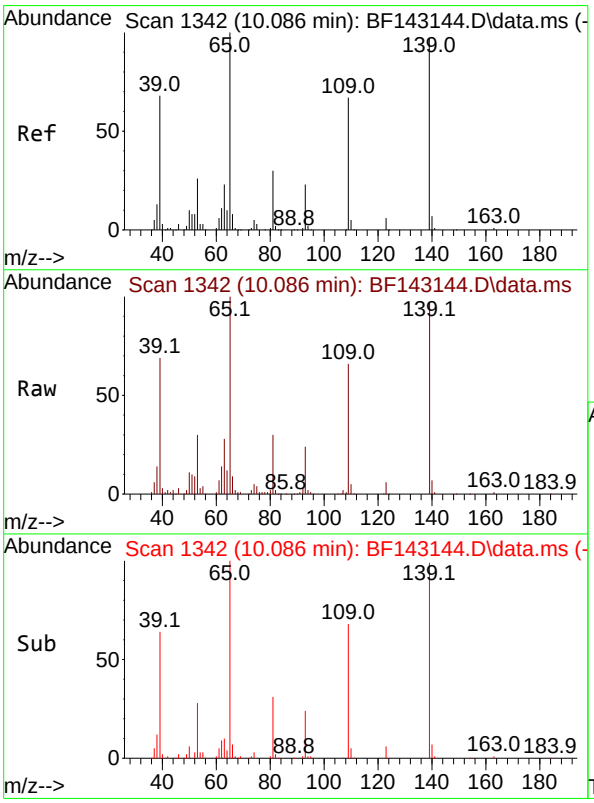
#55
Dibenzofuran
Concen: 38.462 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

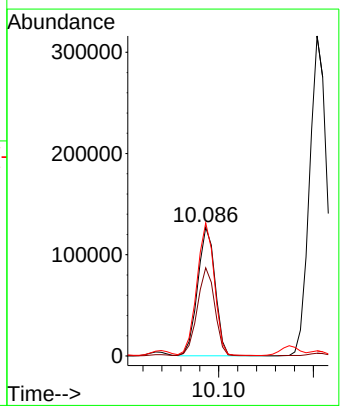


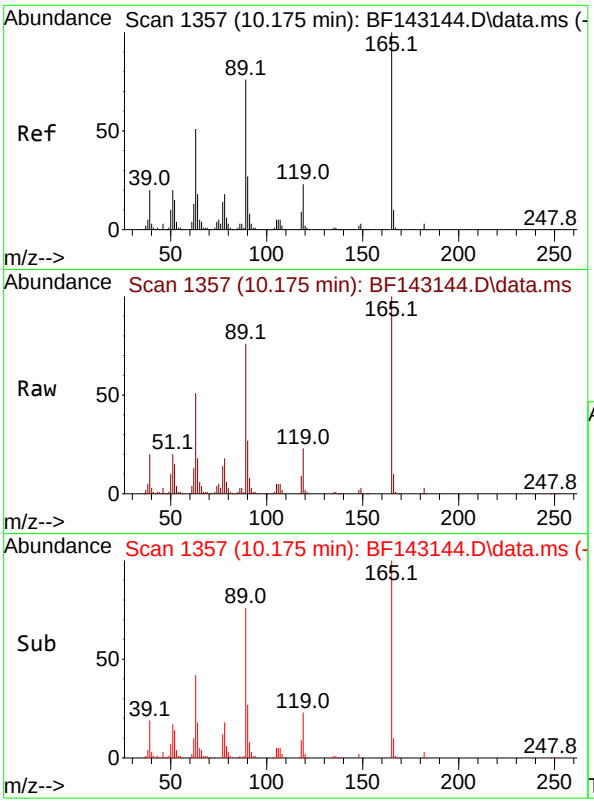


#56
4-Nitrophenol
Concen: 42.408 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



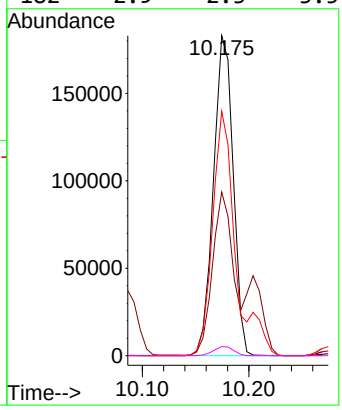


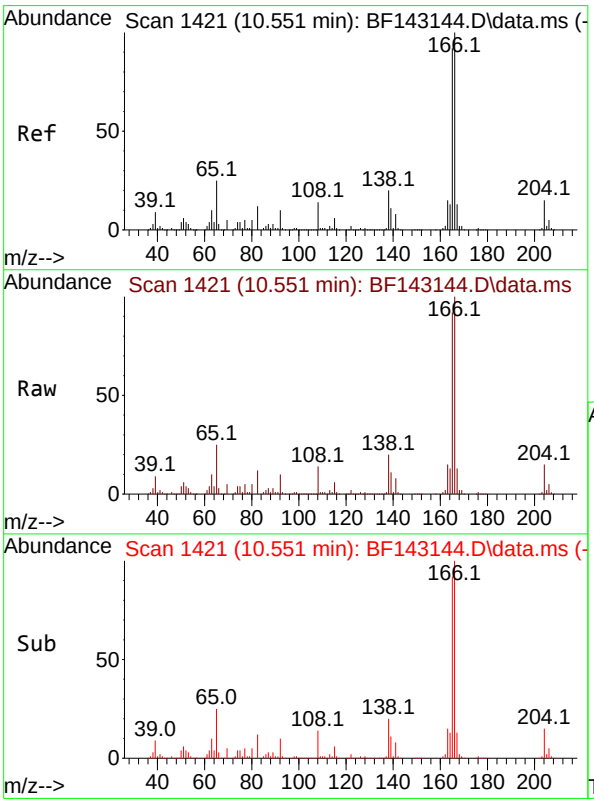
#57
2,4-Dinitrotoluene
Concen: 42.581 ng
RT: 10.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

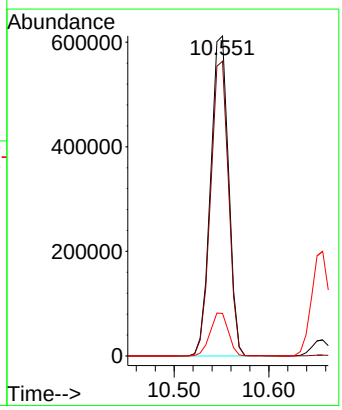


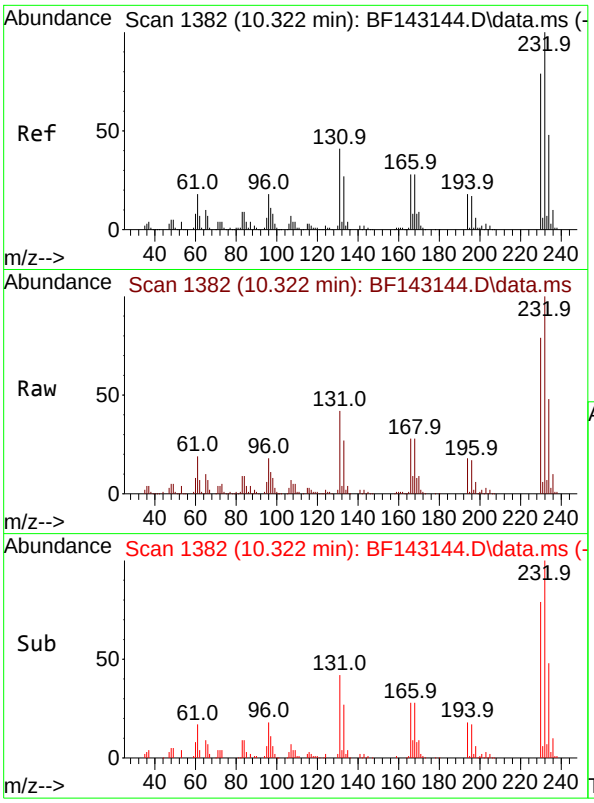


#58
Fluorene
Concen: 38.037 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



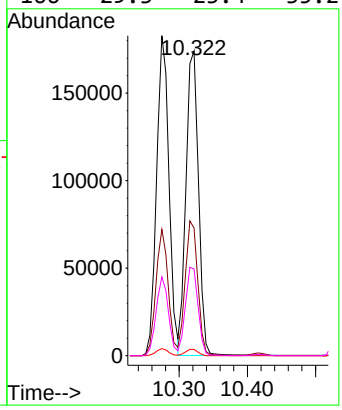


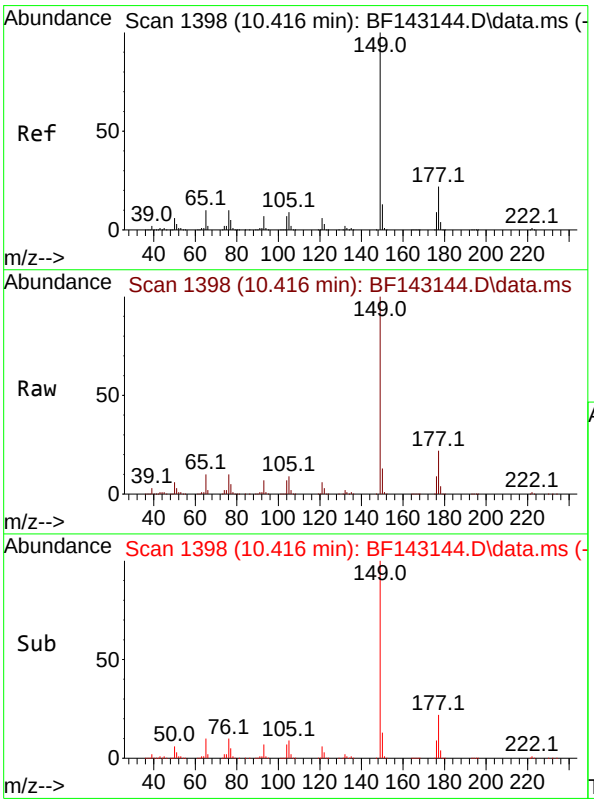
#59
2,3,4,6-Tetrachlorophenol
Concen: 40.196 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

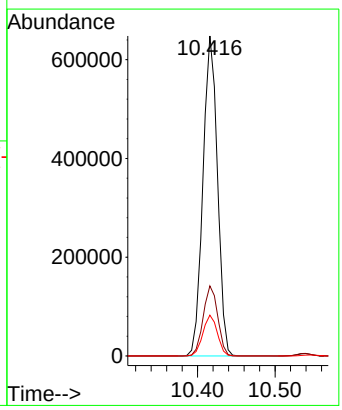


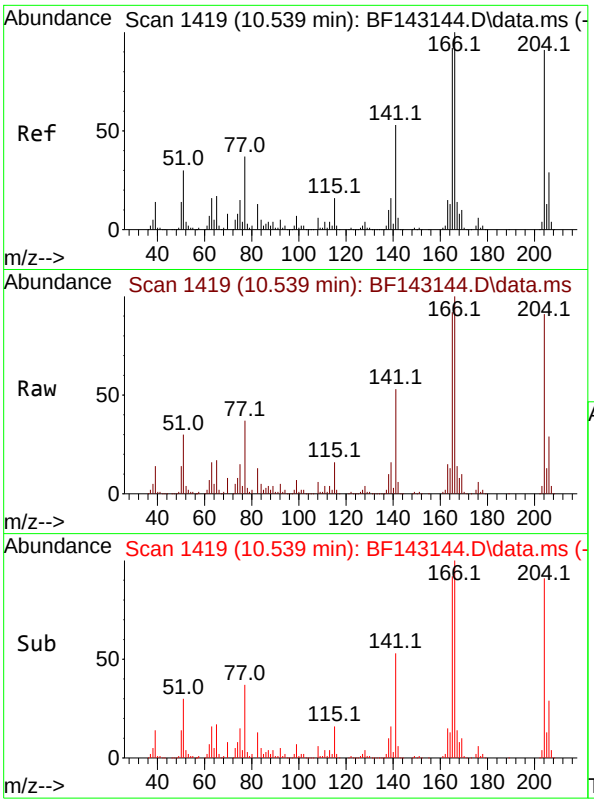


#60
Diethylphthalate
Concen: 39.387 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



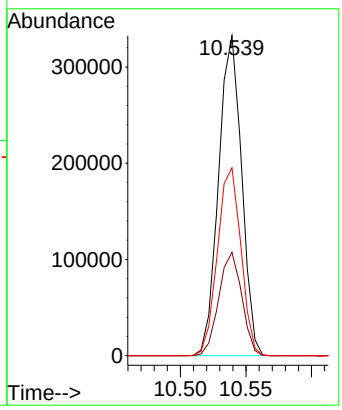


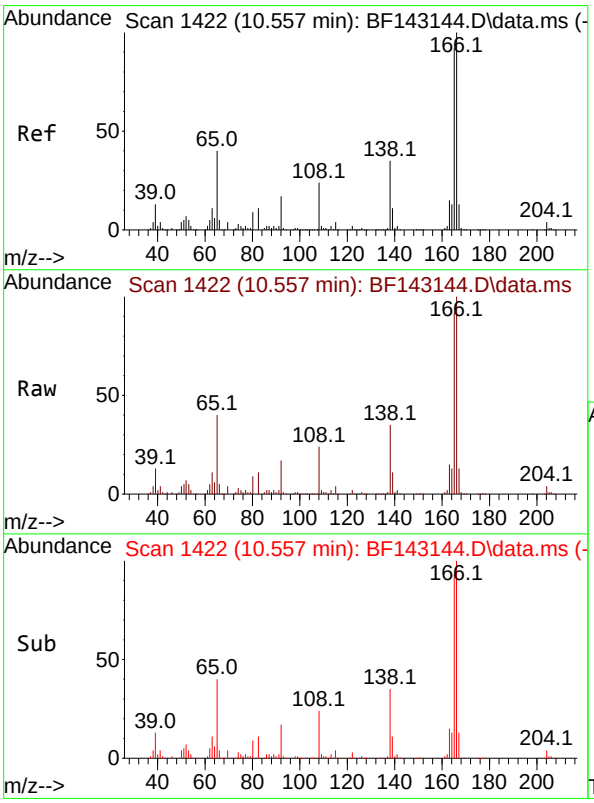
#61
4-Chlorophenyl-phenylether
Concen: 38.604 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

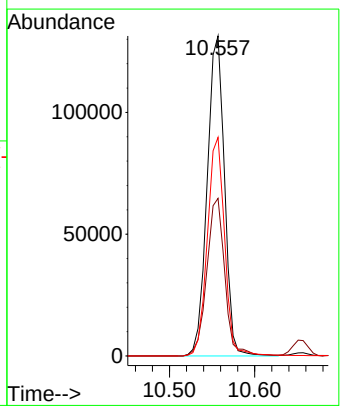


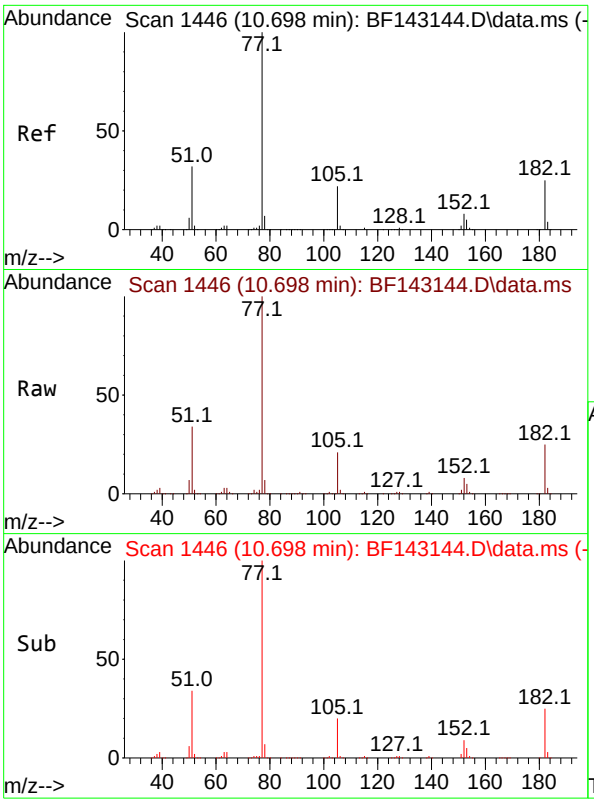


#62
4-Nitroaniline
Concen: 42.055 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



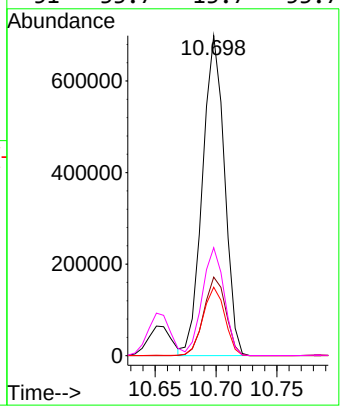


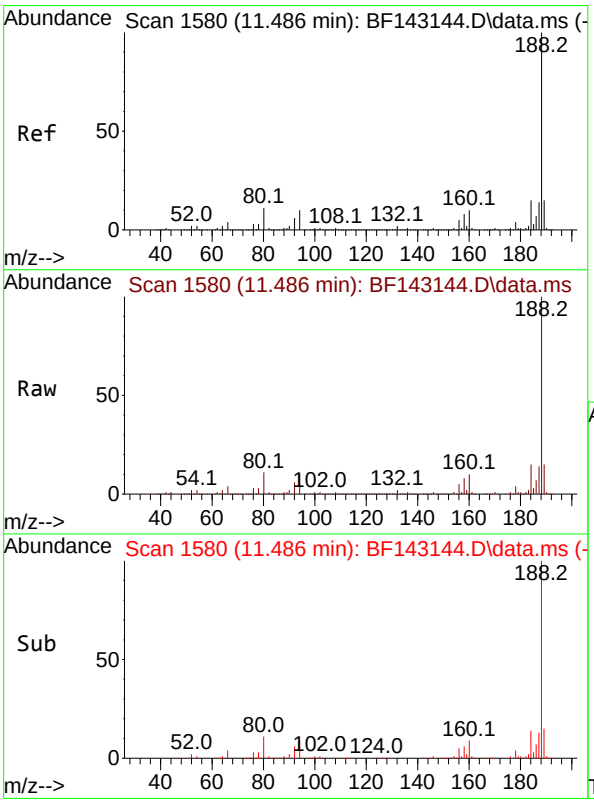
#63
Azobenzene
Concen: 39.326 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

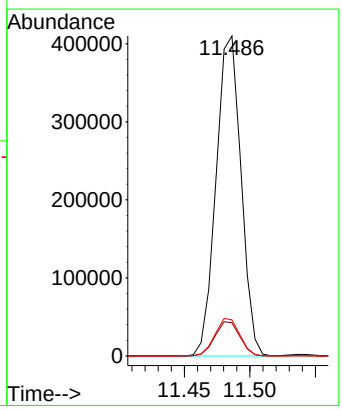


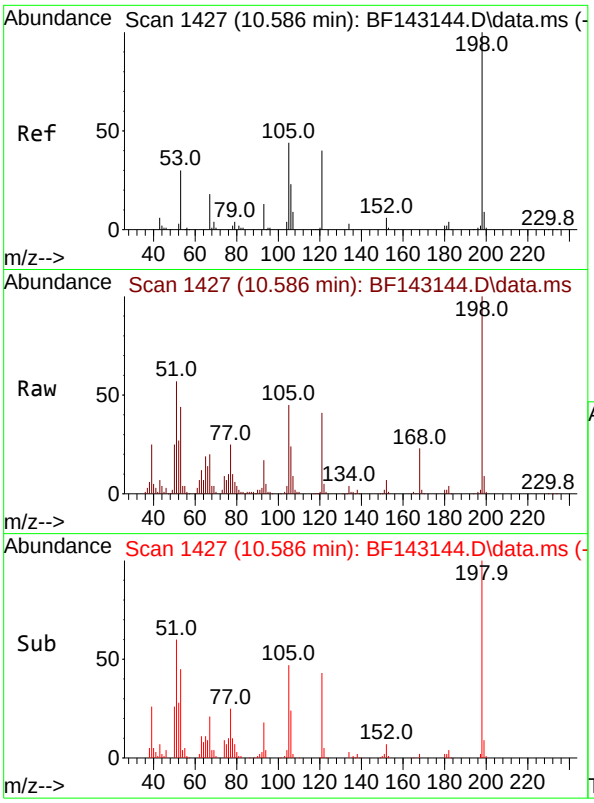


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



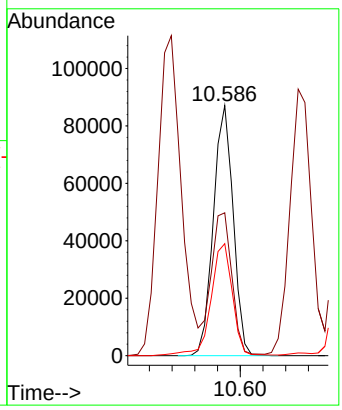


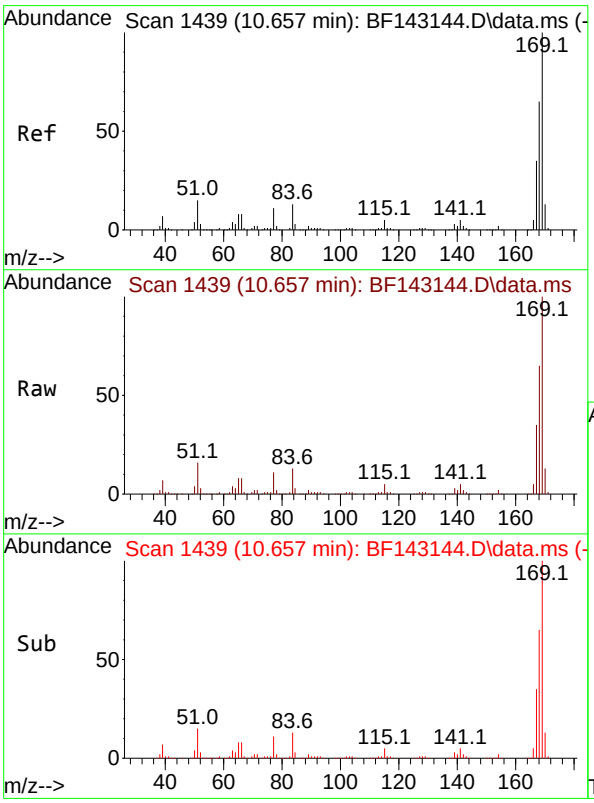
#65
4,6-Dinitro-2-methylphenol
Concen: 38.322 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

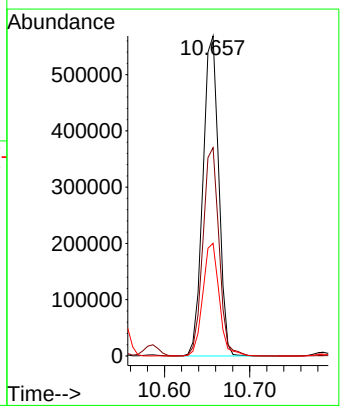


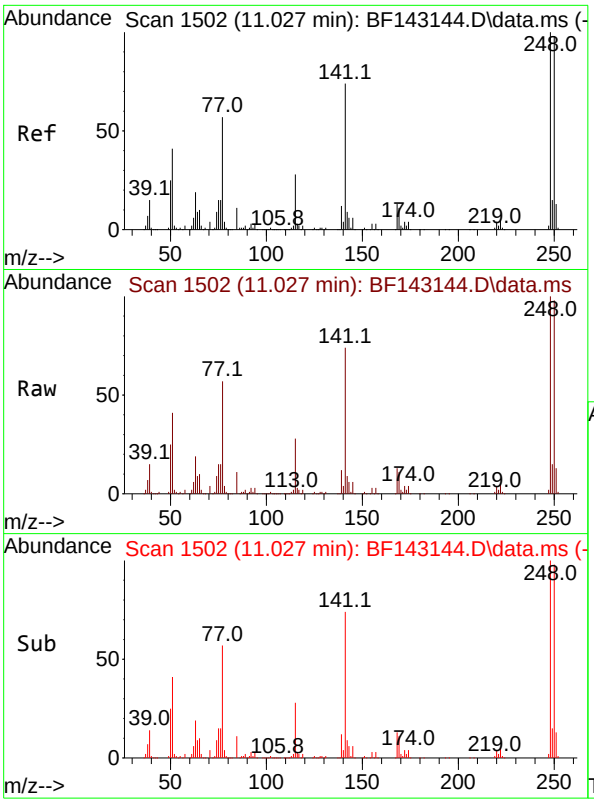


#66
n-Nitrosodiphenylamine
Concen: 38.278 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



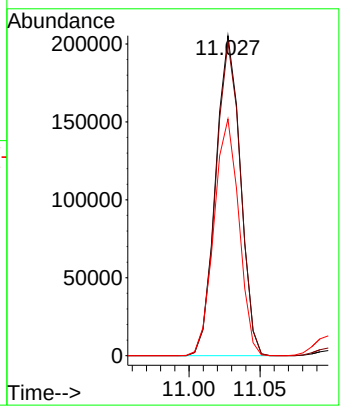


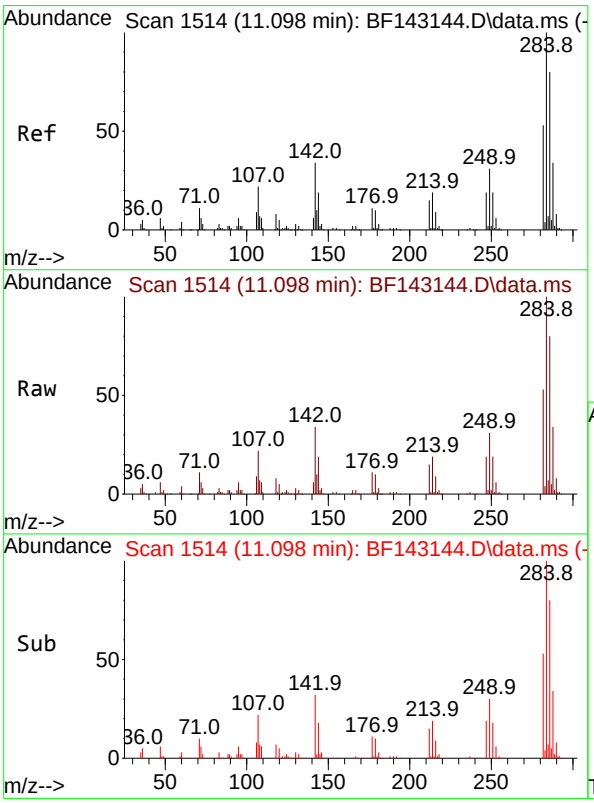
#67
4-Bromophenyl-phenylether
Concen: 38.307 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

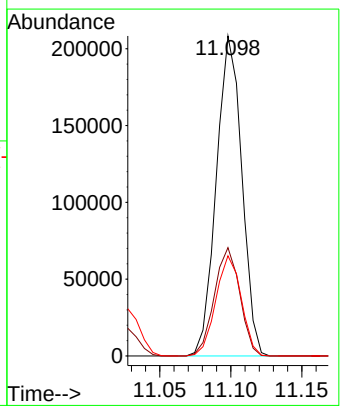


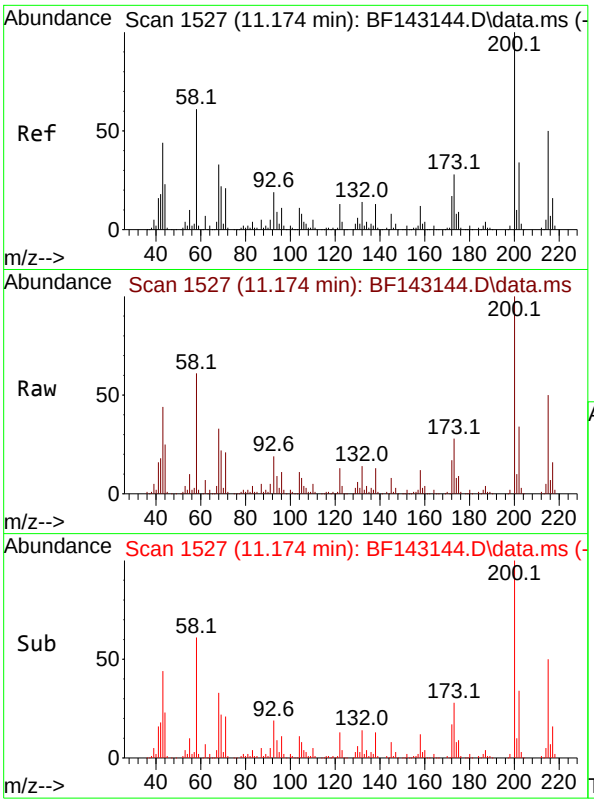


#68
Hexachlorobenzene
Concen: 38.424 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



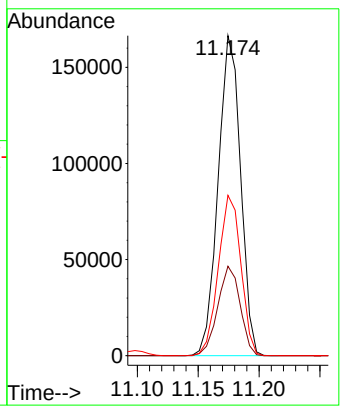


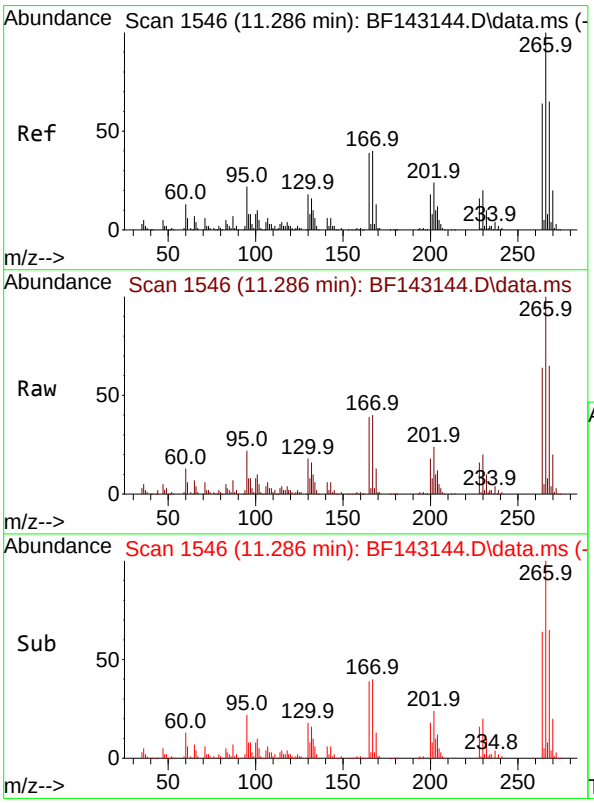
#69
Atrazine
Concen: 40.421 ng
RT: 11.174 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

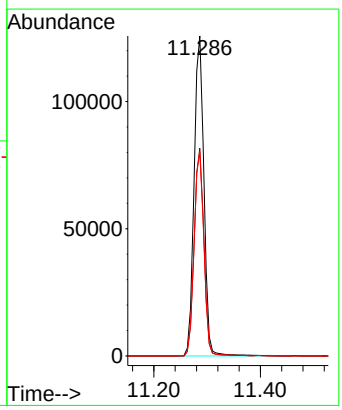


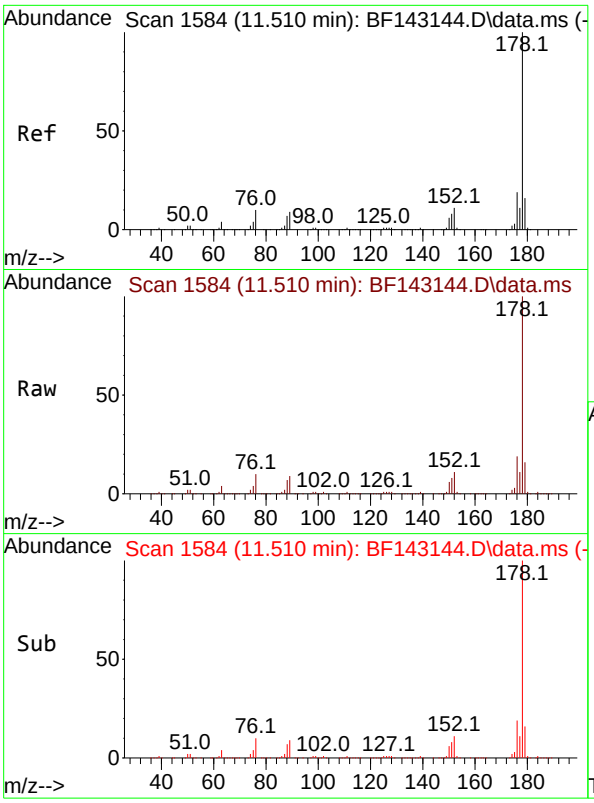


#70
Pentachlorophenol
Concen: 40.500 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



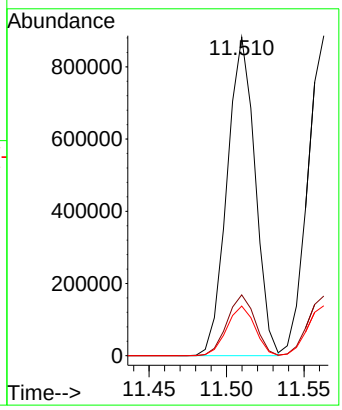


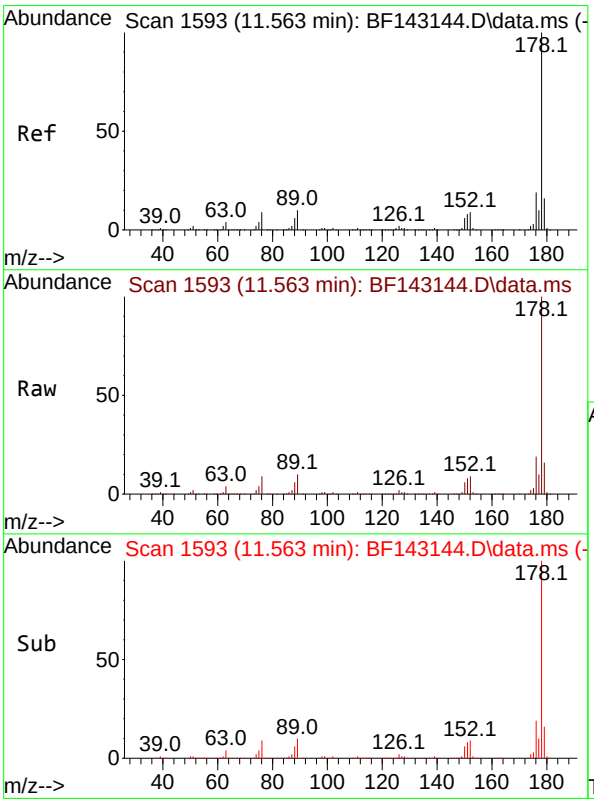
#71
Phenanthrene
Concen: 38.429 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

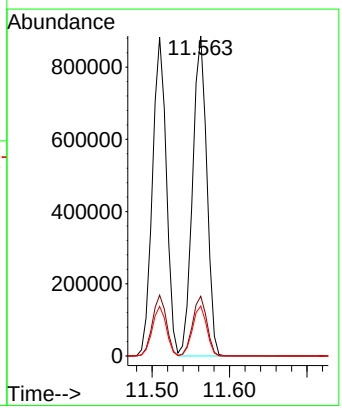


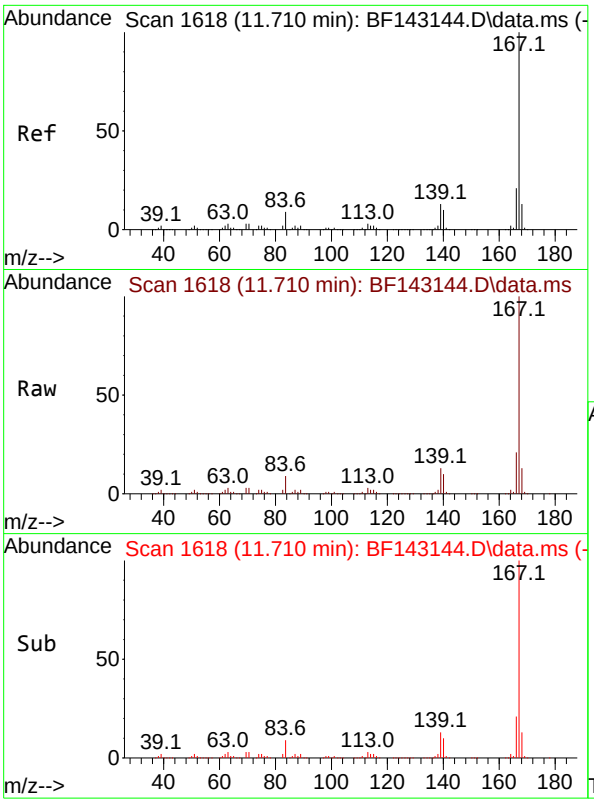


#72
Anthracene
Concen: 38.336 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



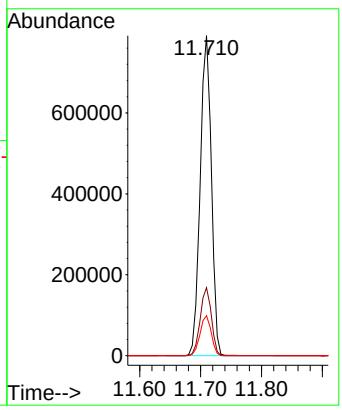


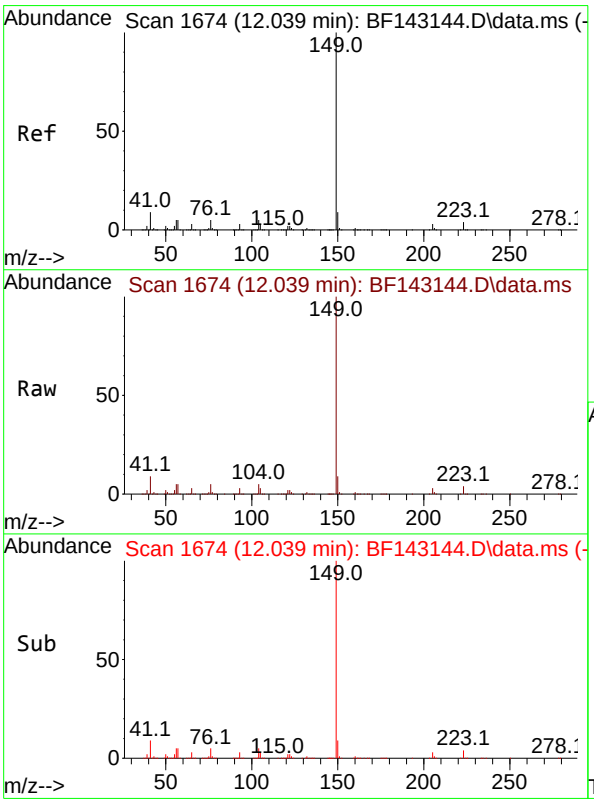
#73
Carbazole
Concen: 39.304 ng
RT: 11.710 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

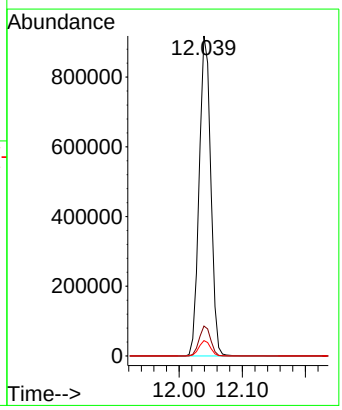


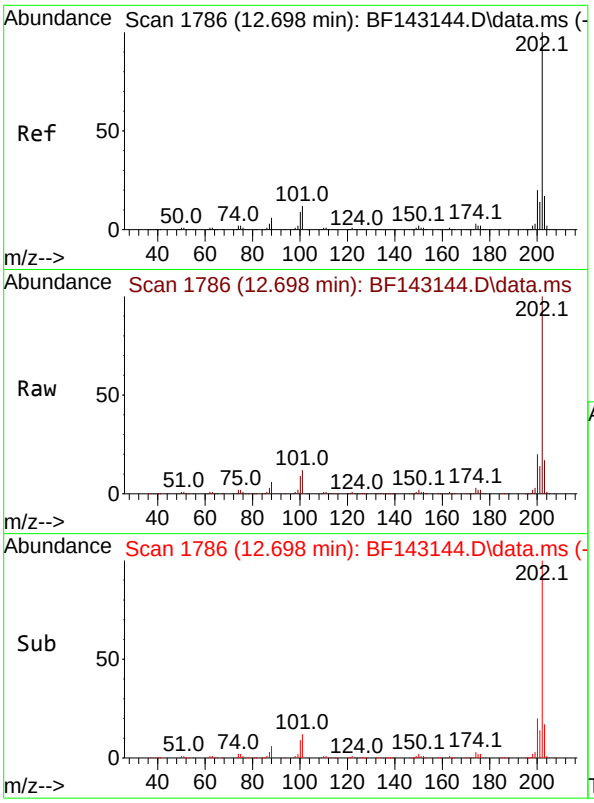


#74
Di-n-butylphthalate
Concen: 40.135 ng
RT: 12.039 min Scan# 1674
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



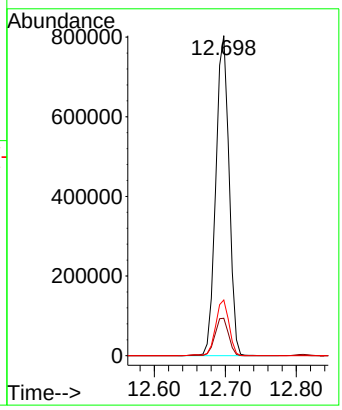


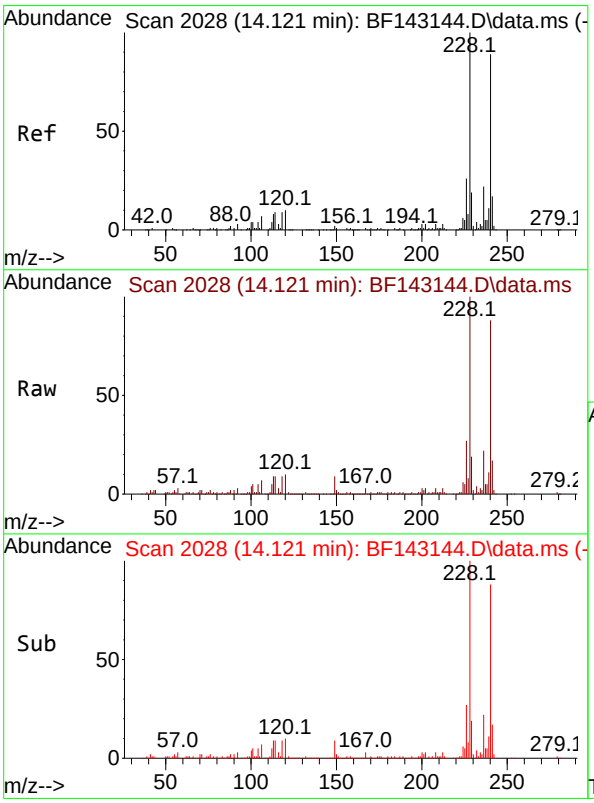
#75
Fluoranthene
Concen: 39.111 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

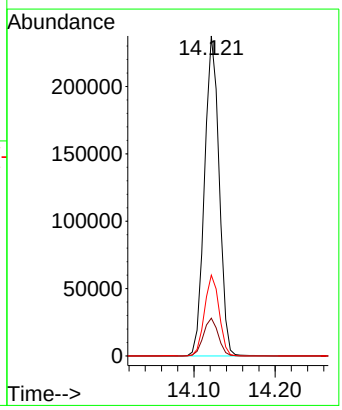


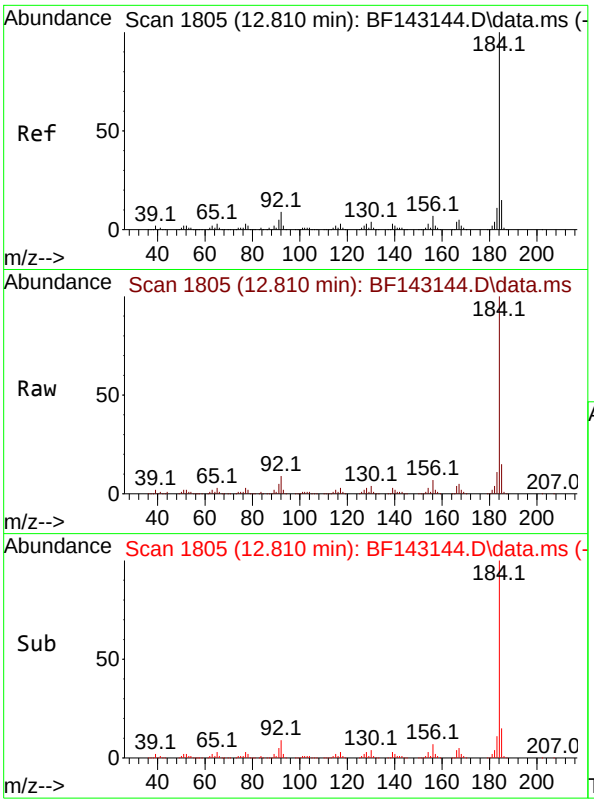


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



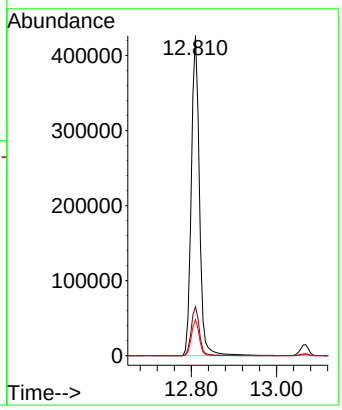


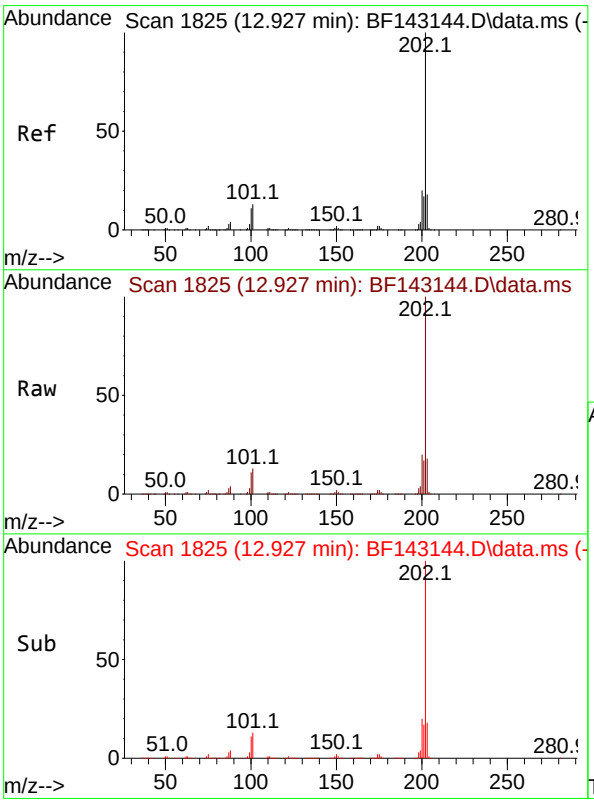
#77
Benzidine
Concen: 49.451 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

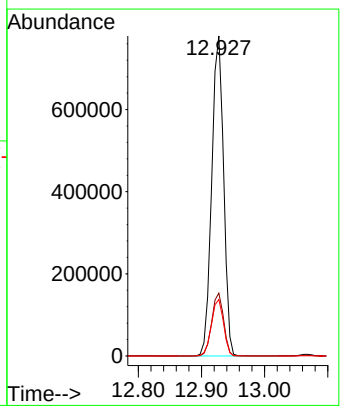


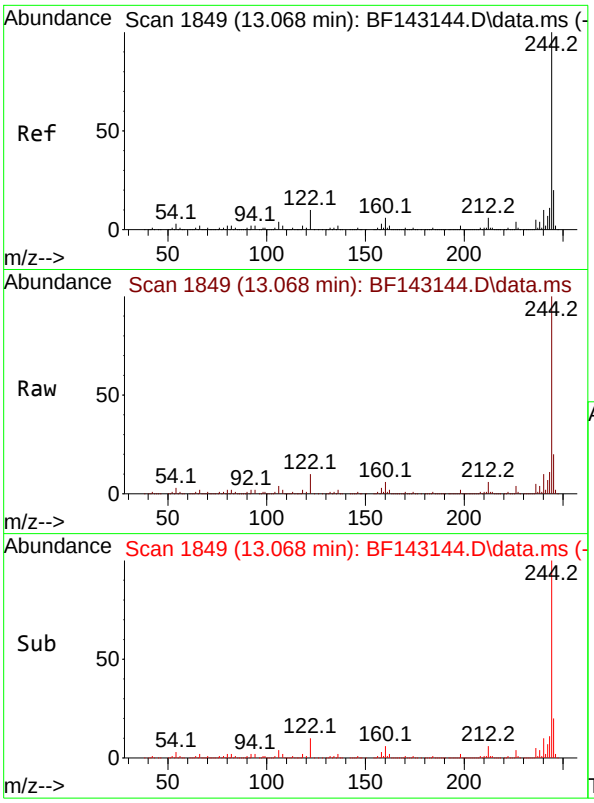


#78
Pyrene
Concen: 40.195 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



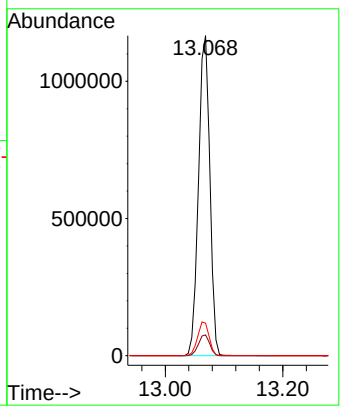


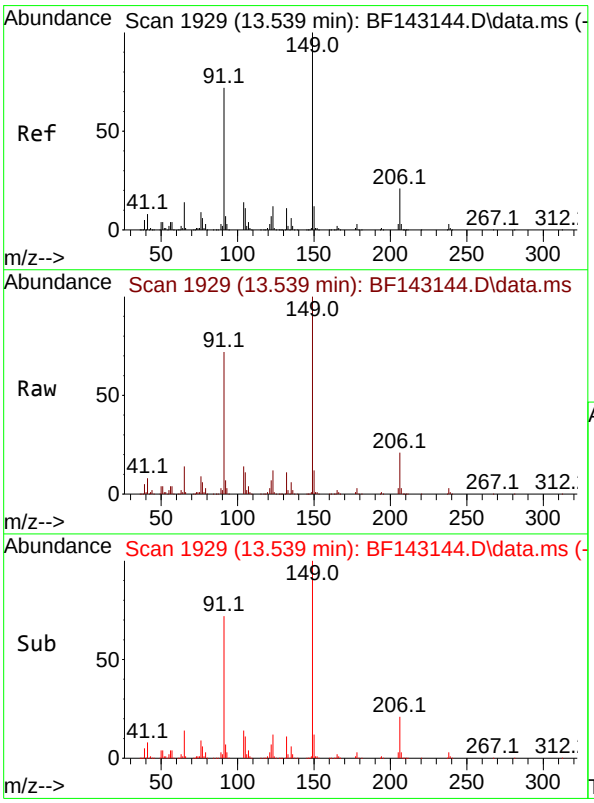
#79
Terphenyl-d14
Concen: 78.063 ng
RT: 13.068 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

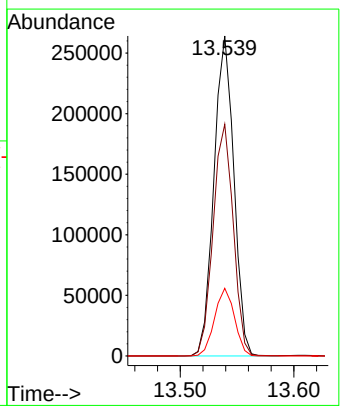


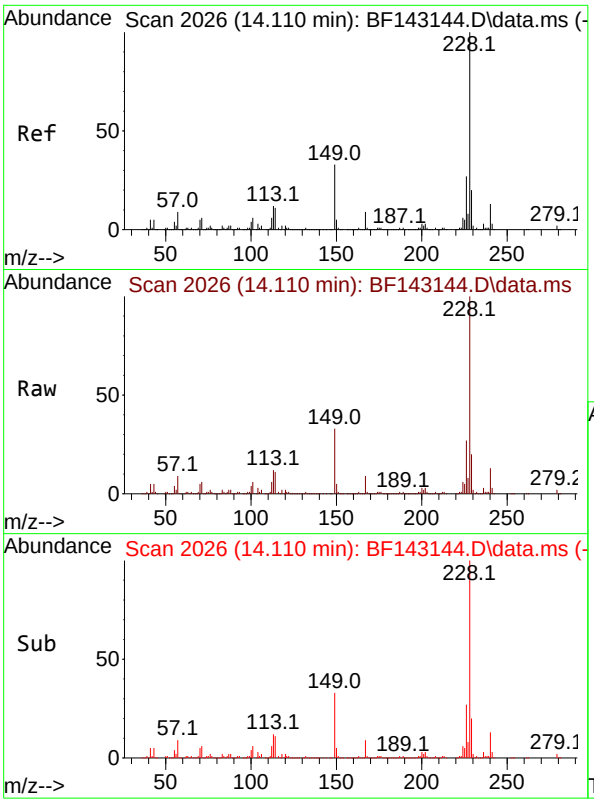


#80
Butylbenzylphthalate
Concen: 41.603 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



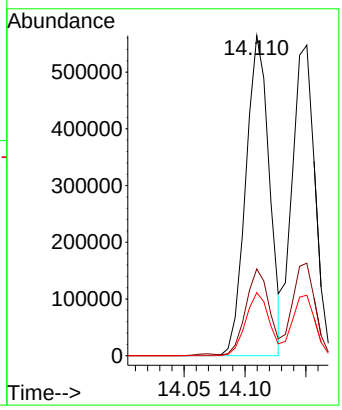


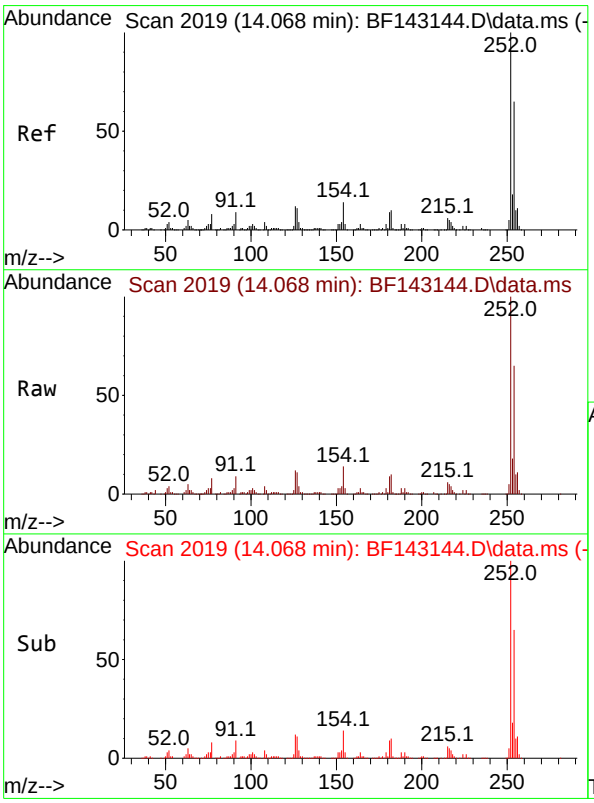
#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 14.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

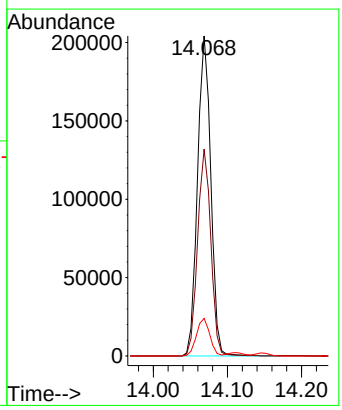


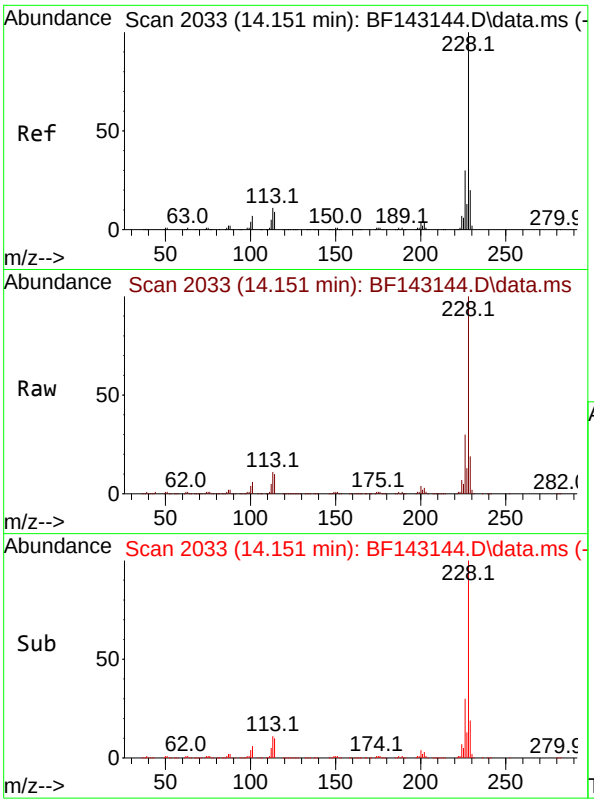


#82
3,3'-Dichlorobenzidine
Concen: 38.418 ng
RT: 14.068 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



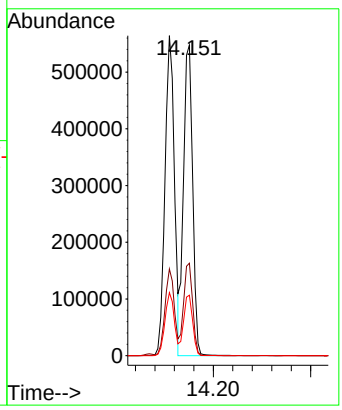


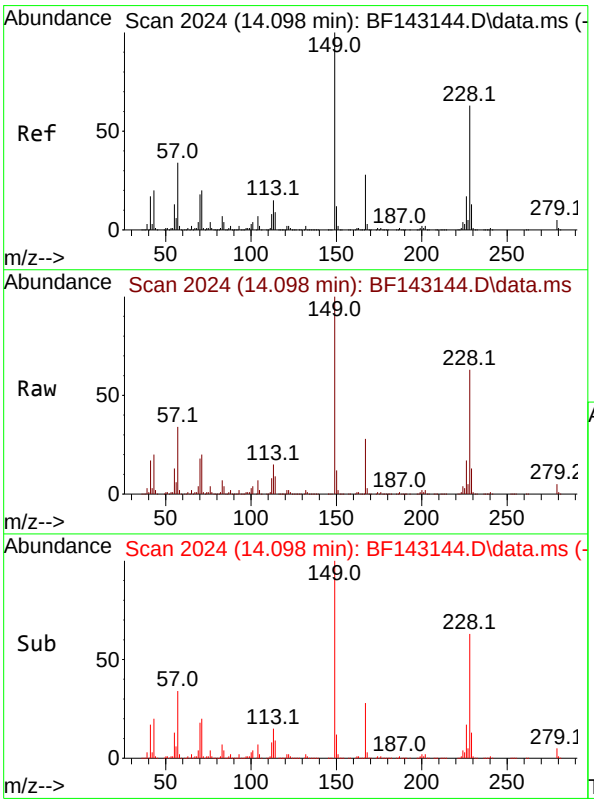
#83
Chrysene
Concen: 40.085 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

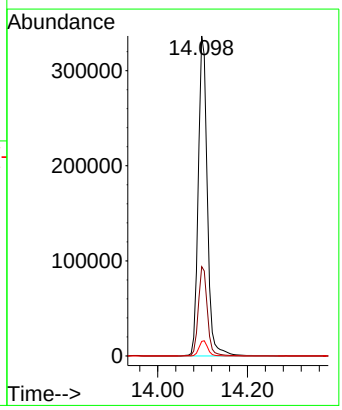


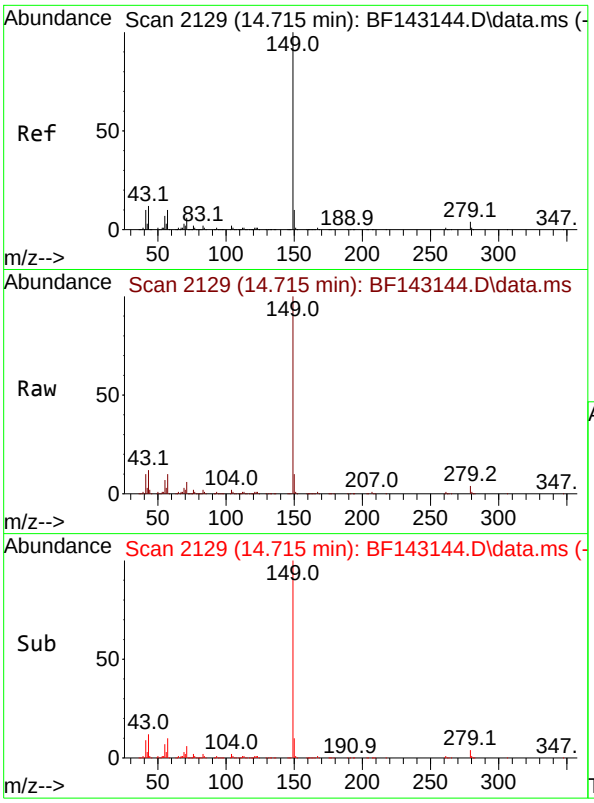


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.906 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



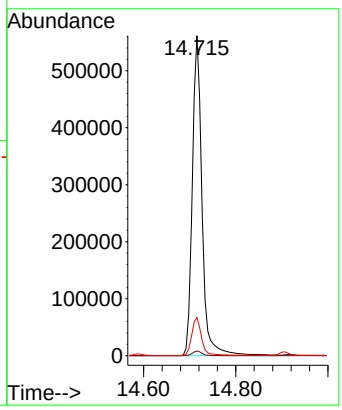


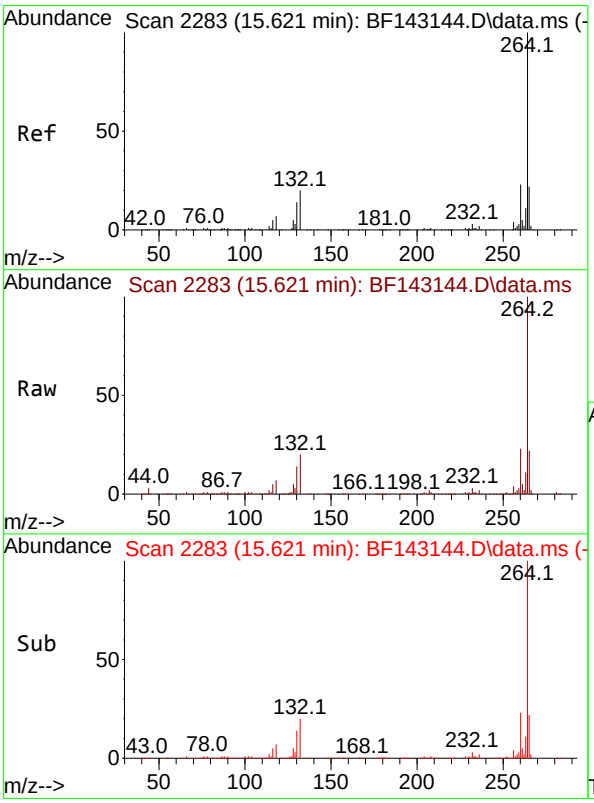
#85
Di-n-octyl phthalate
Concen: 38.595 ng
RT: 14.715 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

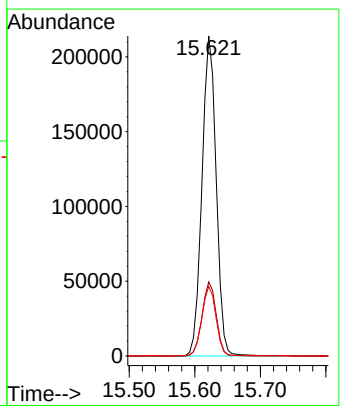


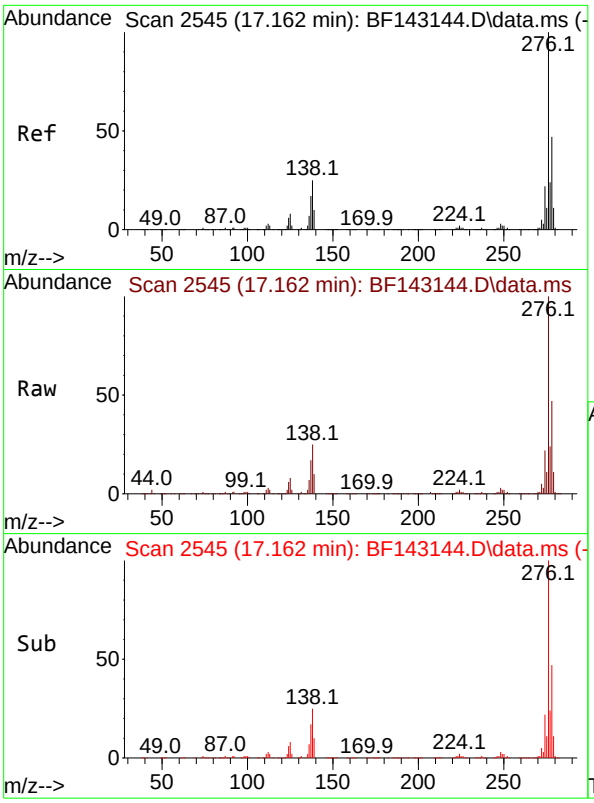


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



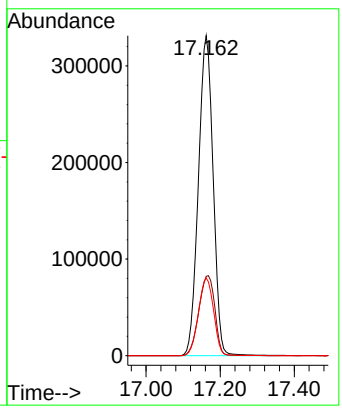


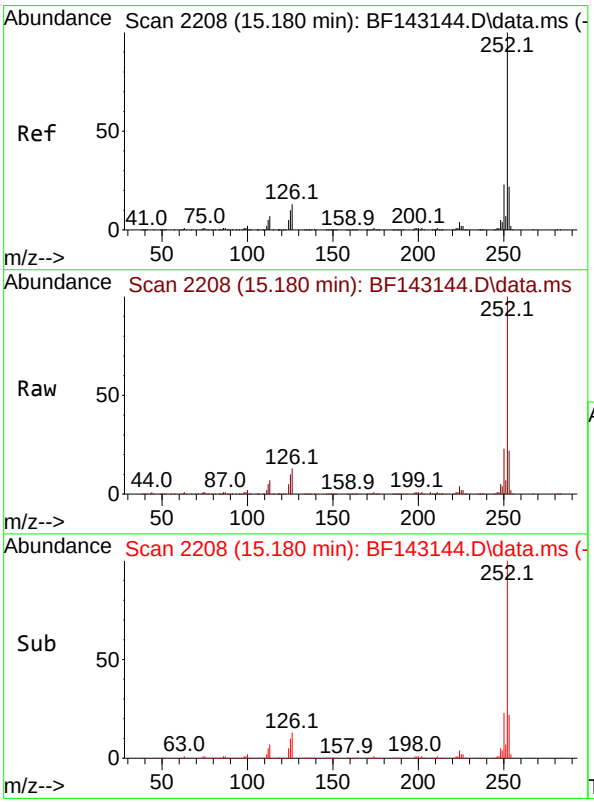
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.086 ng
RT: 17.162 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

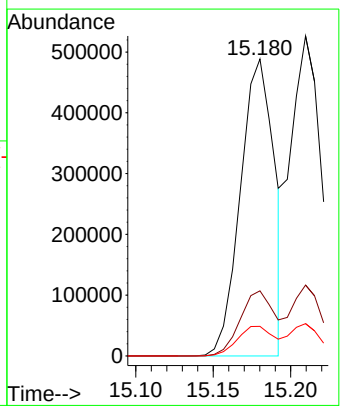


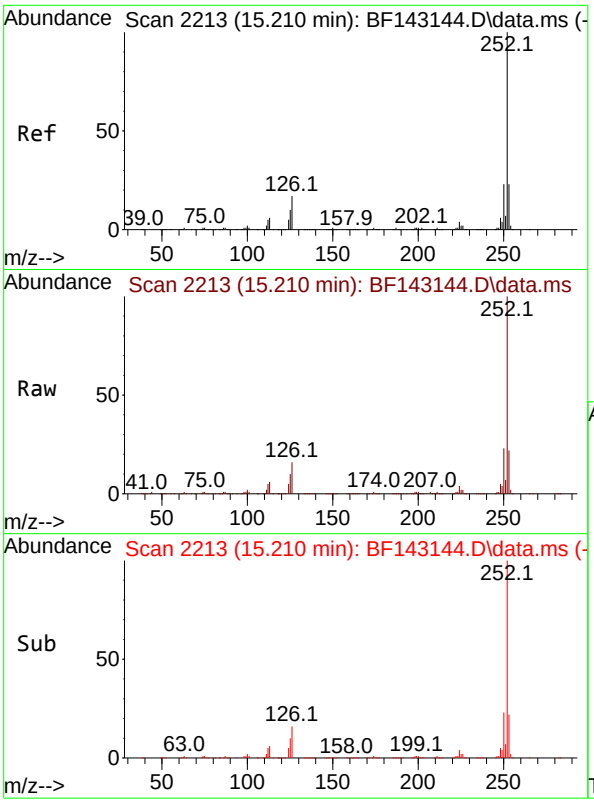


#88
Benzo(b)fluoranthene
Concen: 37.554 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



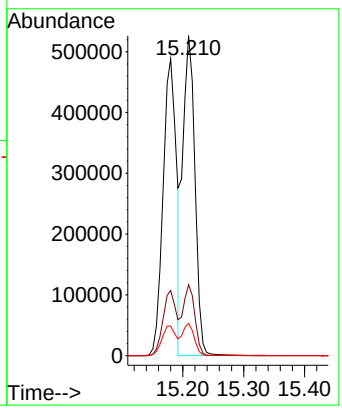


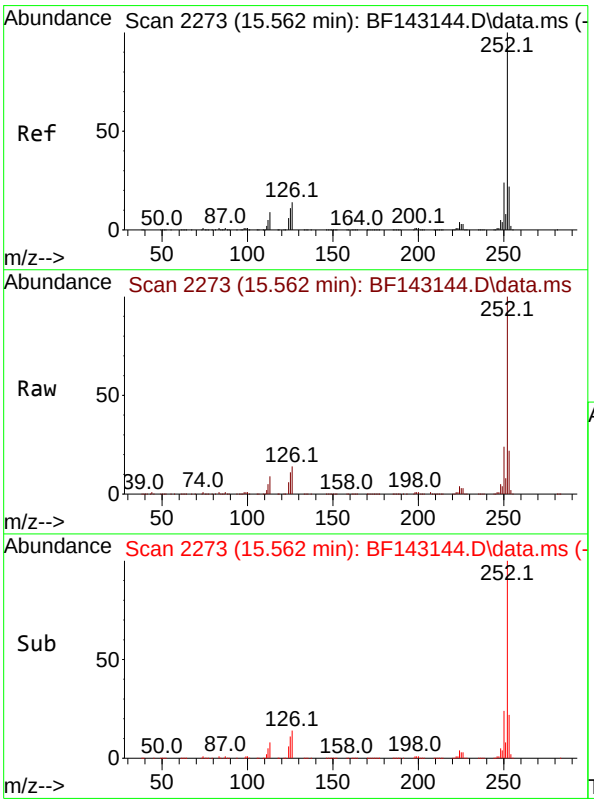
#89
Benzo(k)fluoranthene
Concen: 41.591 ng
RT: 15.210 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

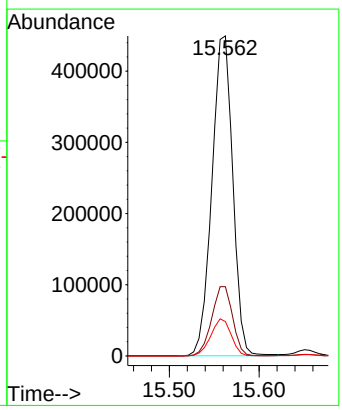


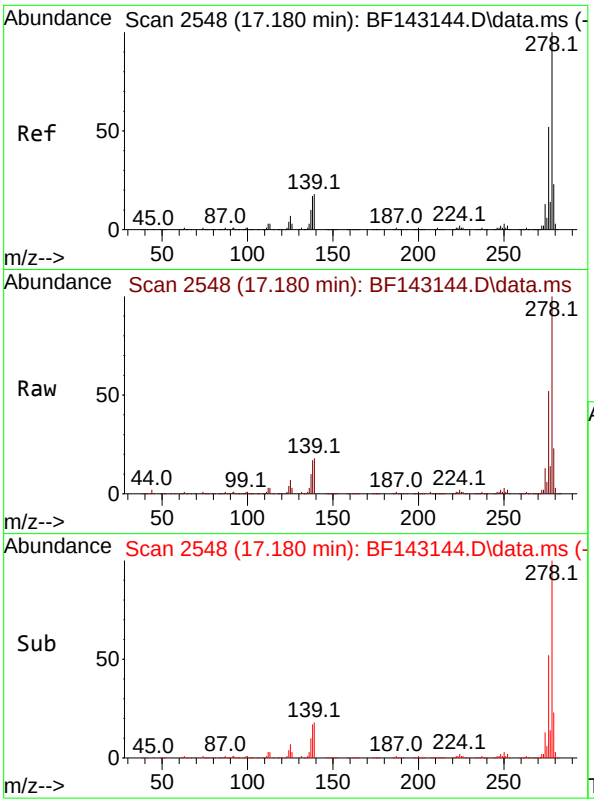


#90
Benzo(a)pyrene
Concen: 39.826 ng
RT: 15.562 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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



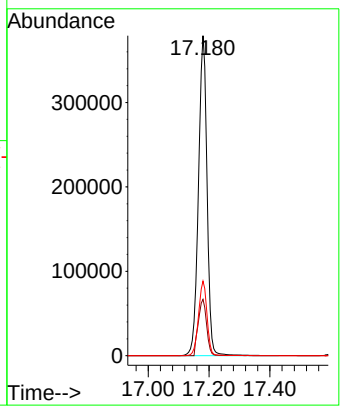


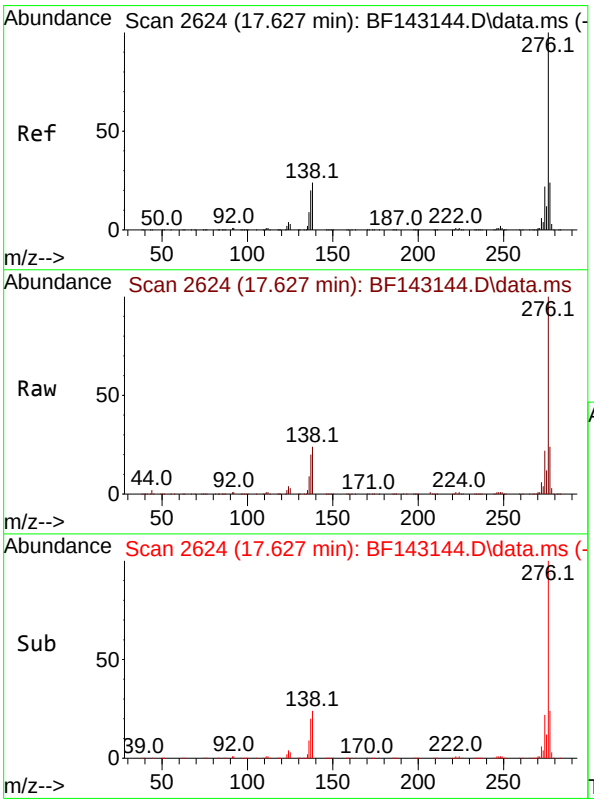
#91
Dibenzo(a,h)anthracene
Concen: 39.964 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

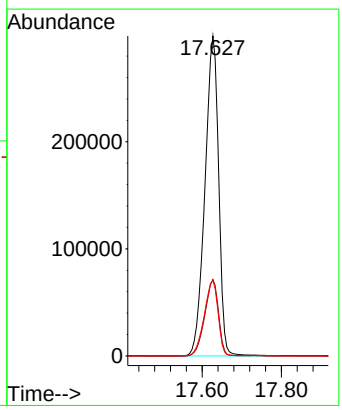




#92
Benzo(g,h,i)perylene
Concen: 39.949 ng
RT: 17.627 min Scan# 2624
Delta R.T. 0.000 min
Lab File: BF143144.D
Acq: 17 Jul 2025 13:03

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

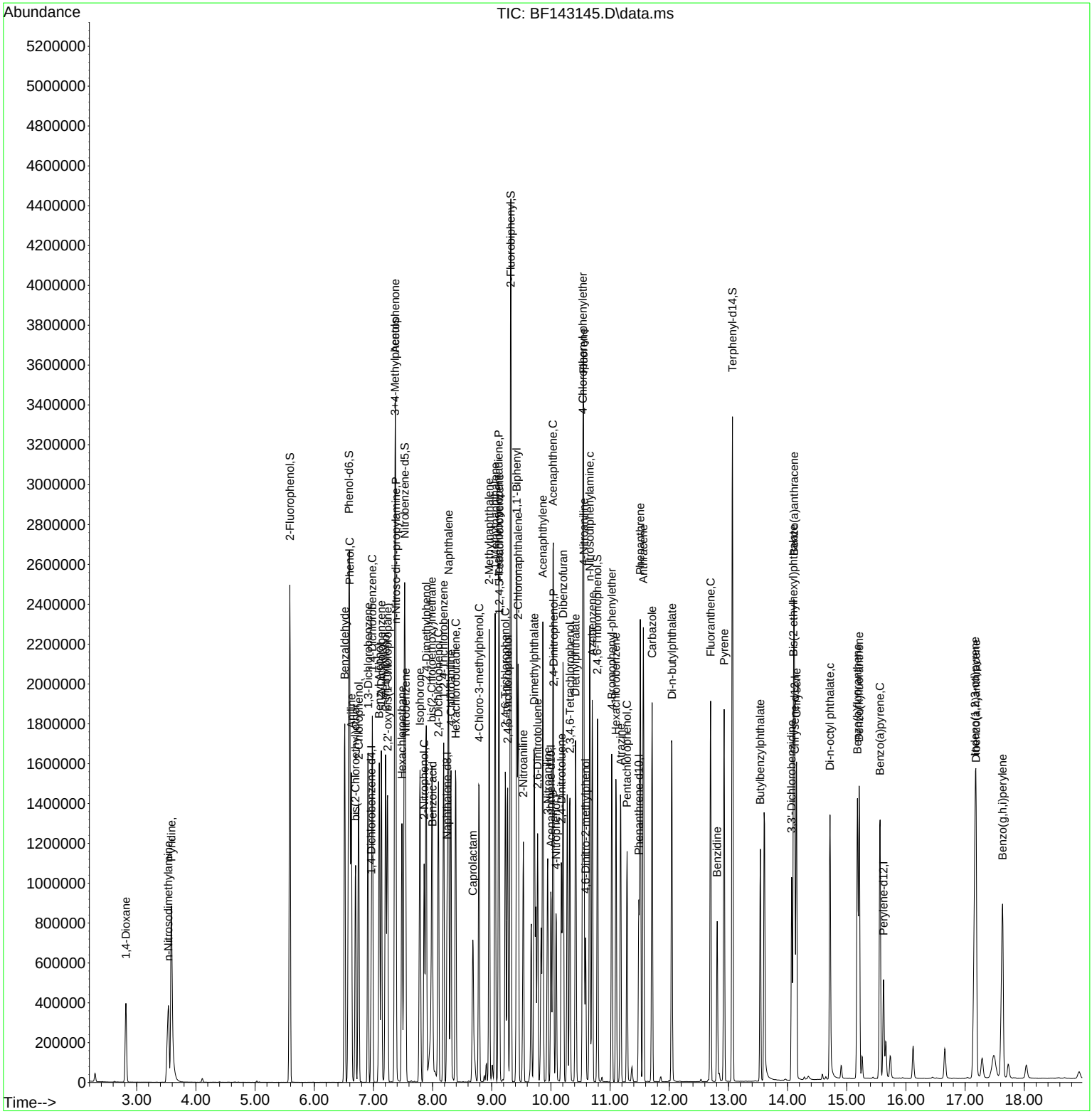
(#) = qualifier out of range (m) = manual integration (+) = signals summed

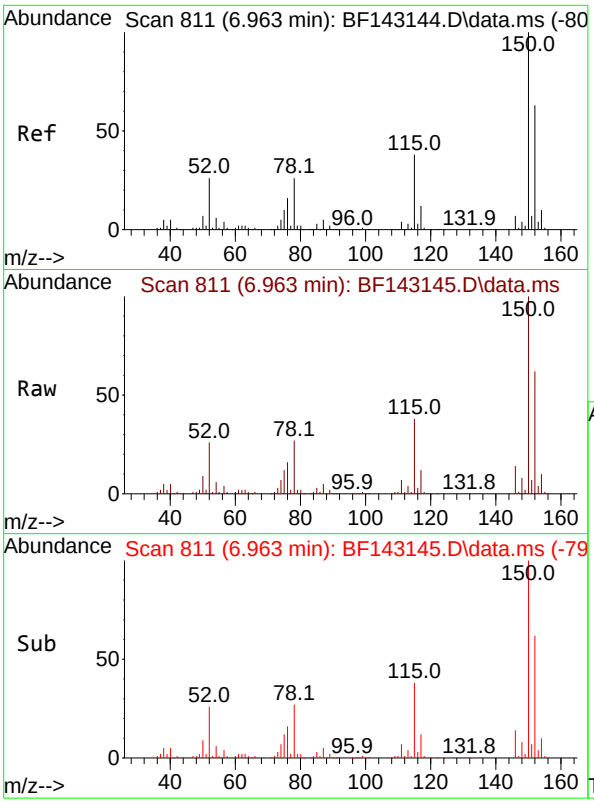
Quantitation Report (Not Reviewed)

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



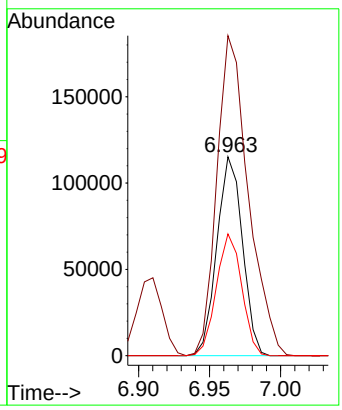


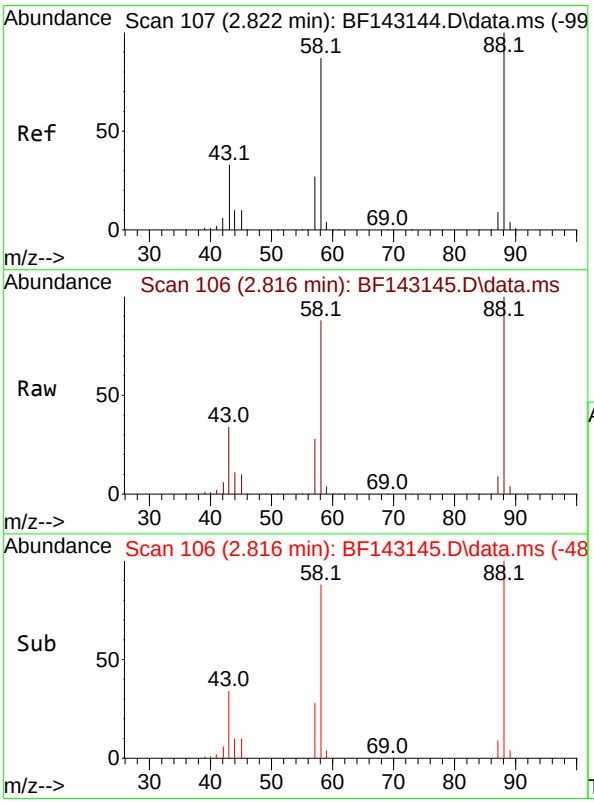
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

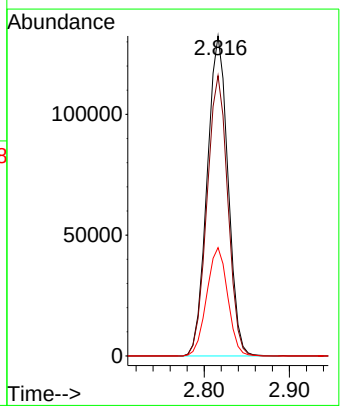


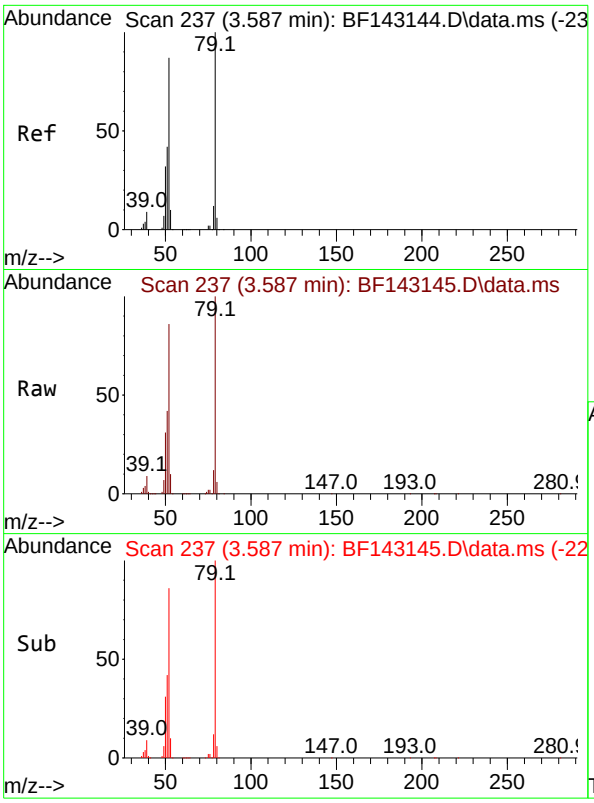


#2
1,4-Dioxane
Concen: 52.289 ng
RT: 2.816 min Scan# 106
Delta R.T. -0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



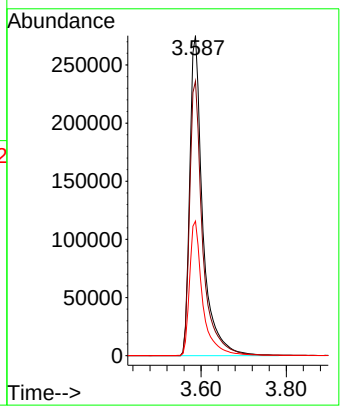


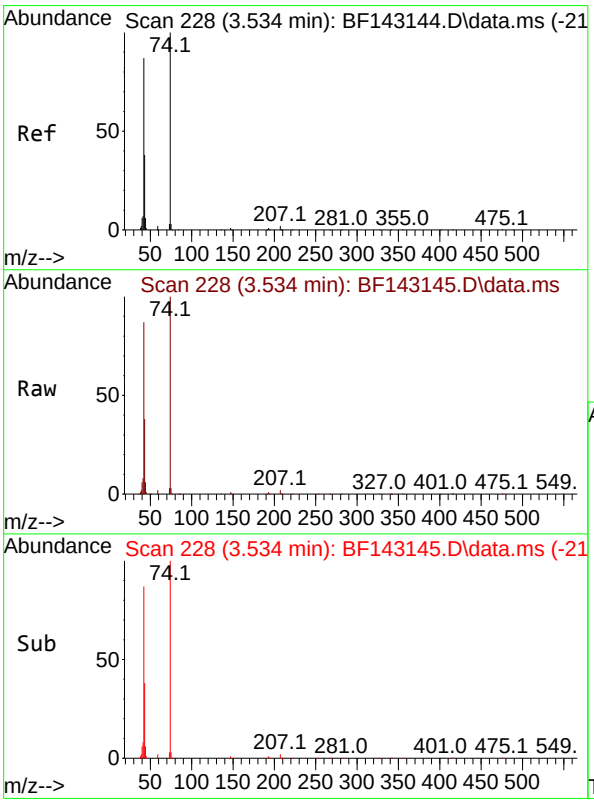
#3
Pyridine
Concen: 52.122 ng
RT: 3.587 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

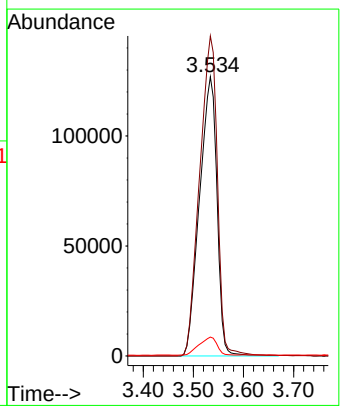


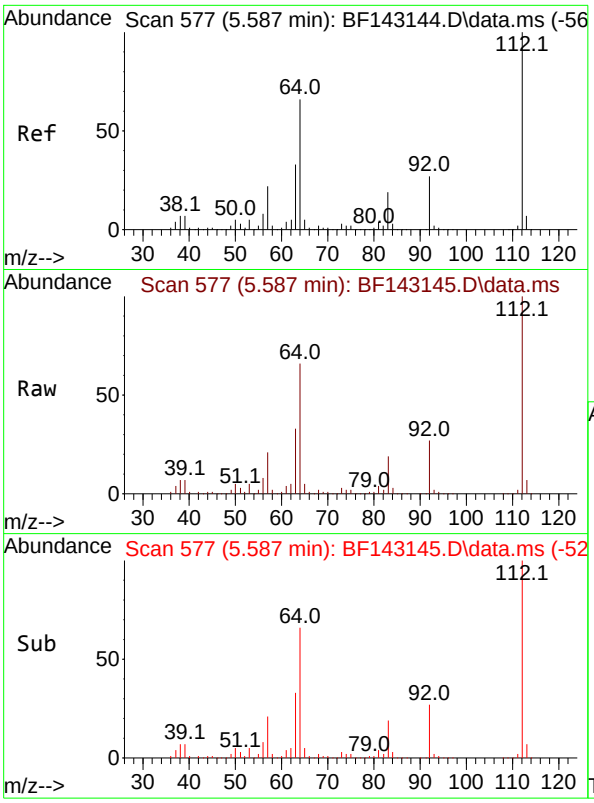


#4
n-Nitrosodimethylamine
Concen: 53.098 ng
RT: 3.534 min Scan# 228
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



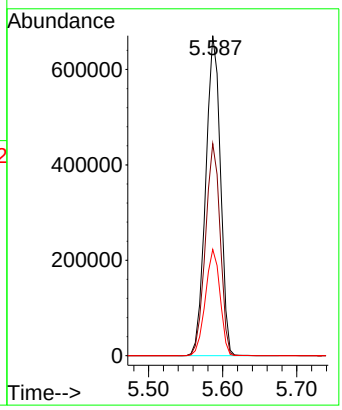


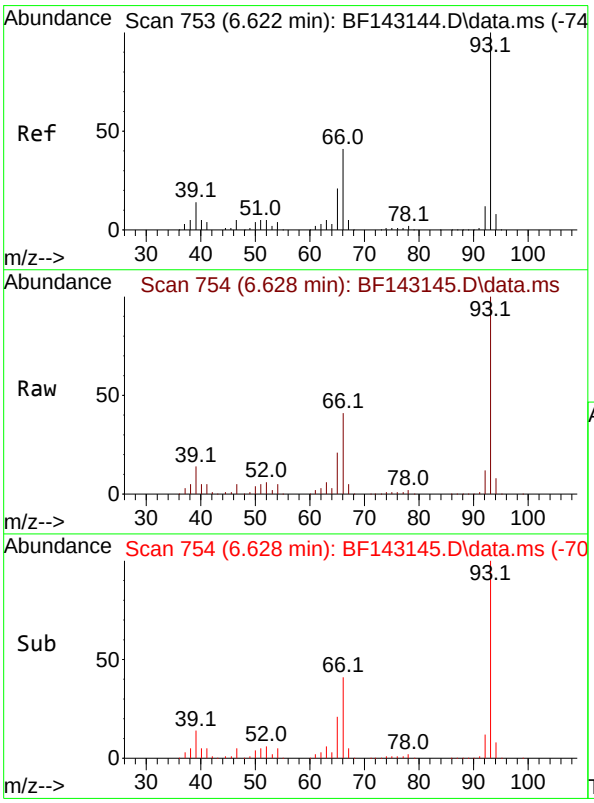
#5
2-Fluorophenol
Concen: 101.629 ng
RT: 5.587 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

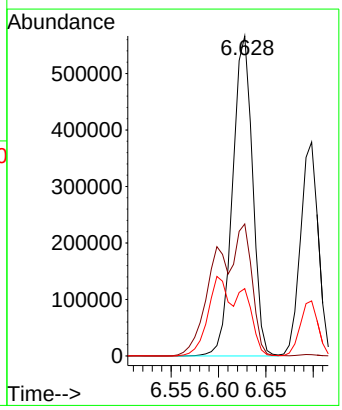


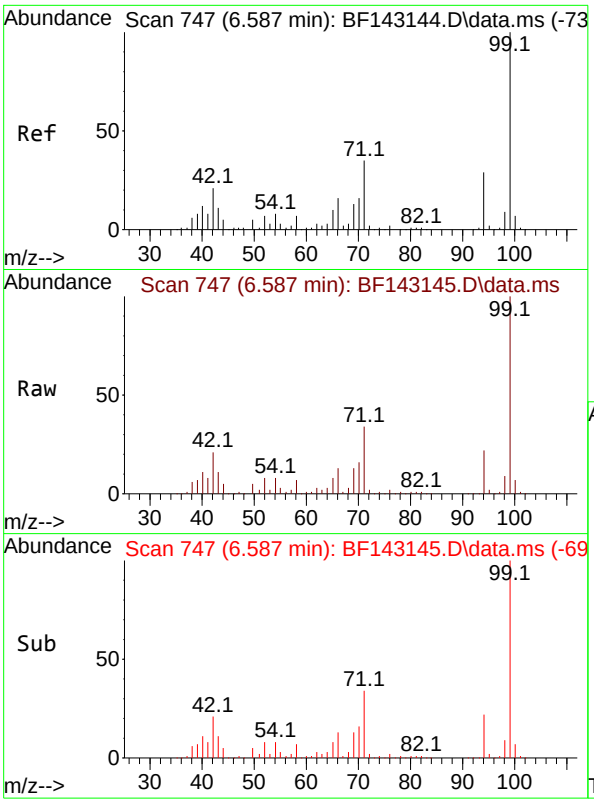


#6
Aniline
Concen: 51.687 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



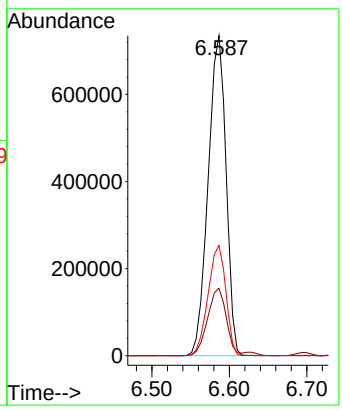


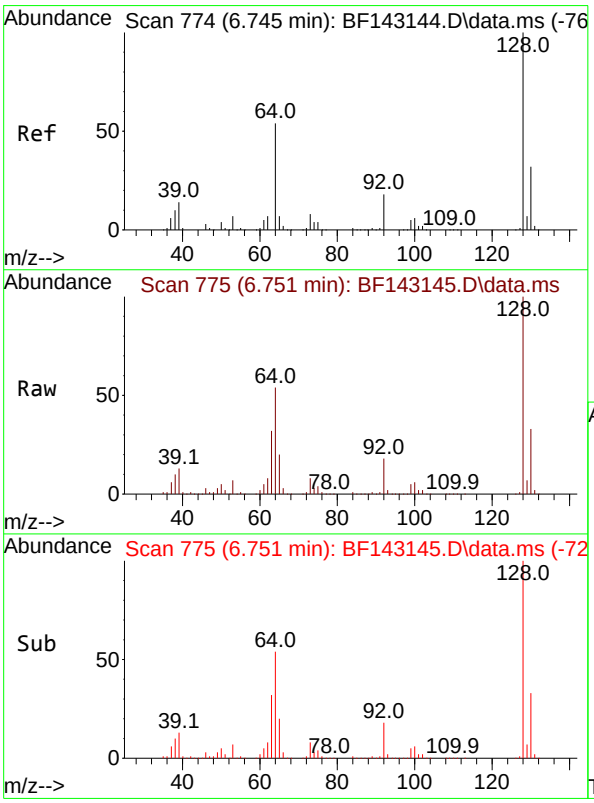
#7
Phenol-d6
Concen: 102.615 ng
RT: 6.587 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

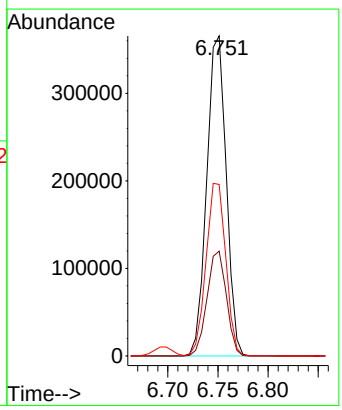


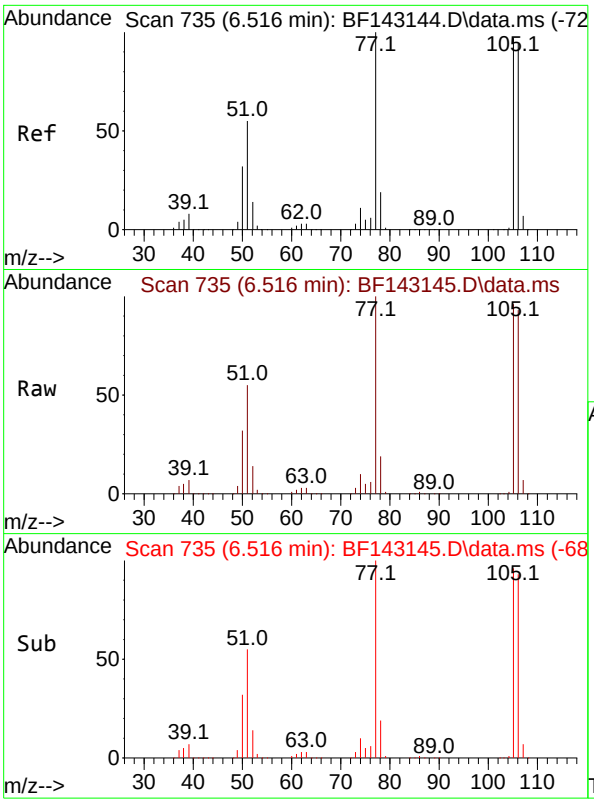


#8
2-Chlorophenol
Concen: 51.652 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



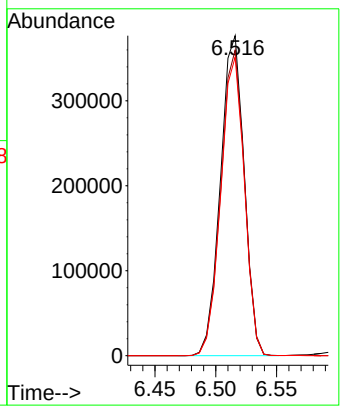


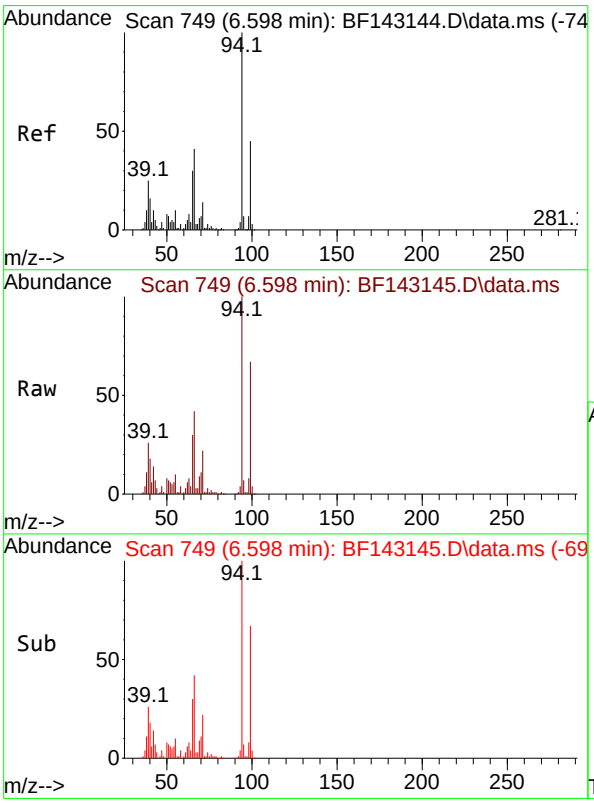
#9
Benzaldehyde
Concen: 59.162 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

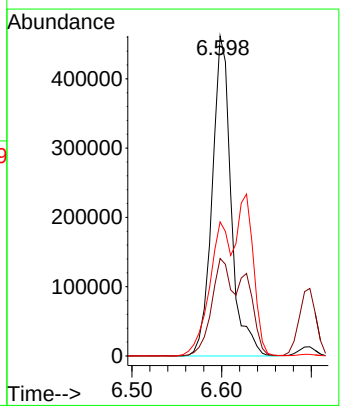


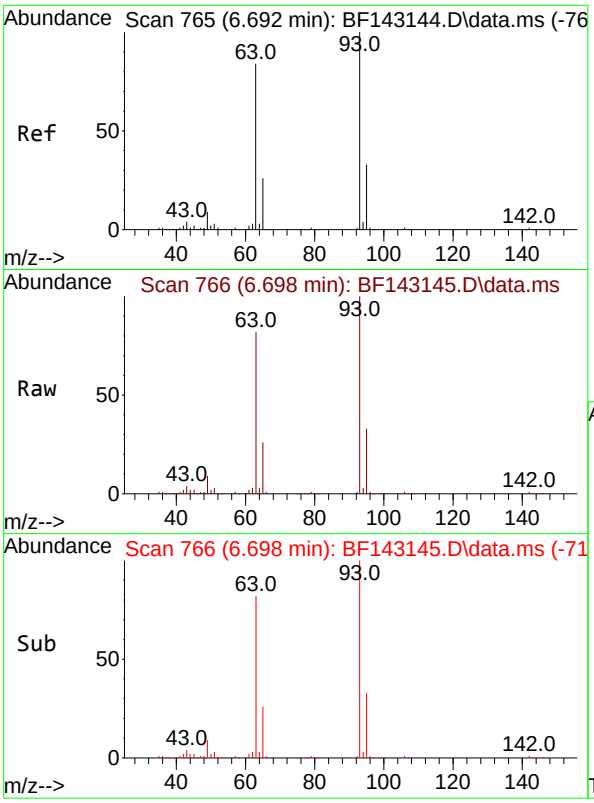


#10
Phenol
Concen: 54.222 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



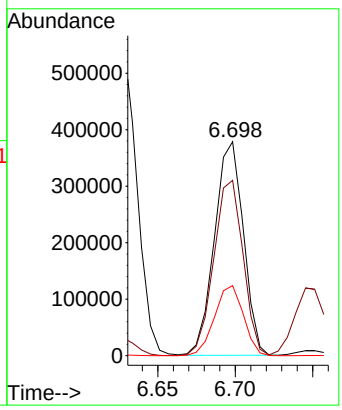


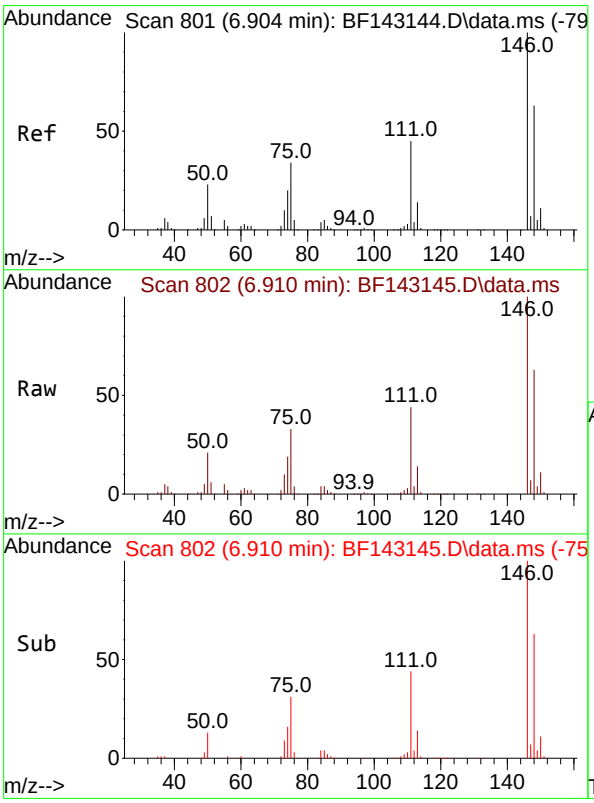
#11
bis(2-Chloroethyl)ether
Concen: 51.295 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

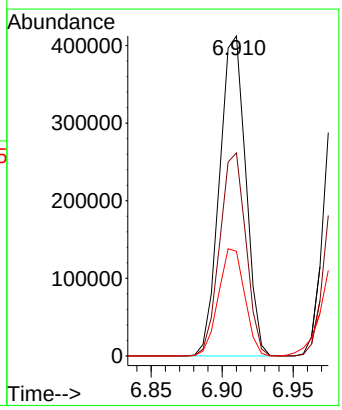


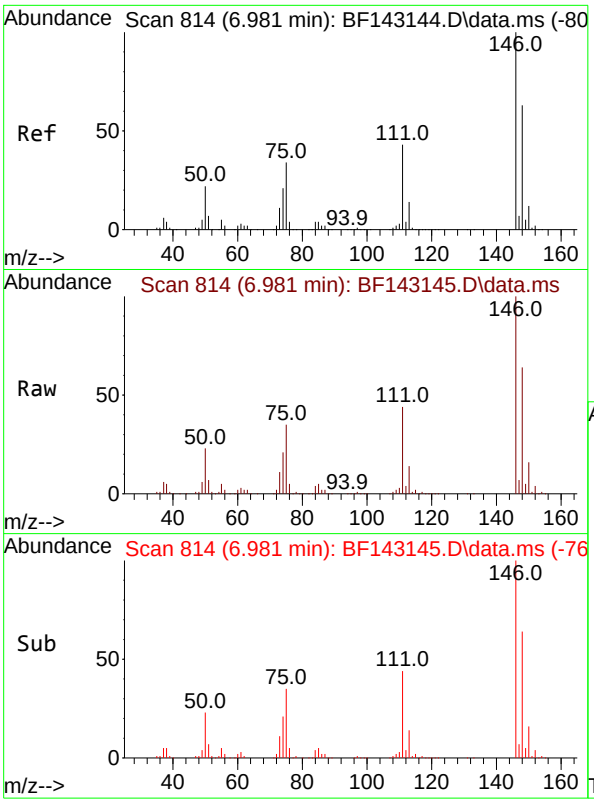


#12
1,3-Dichlorobenzene
Concen: 50.937 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



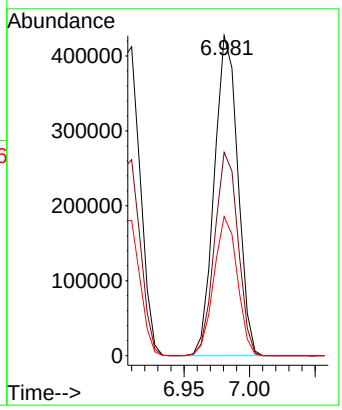


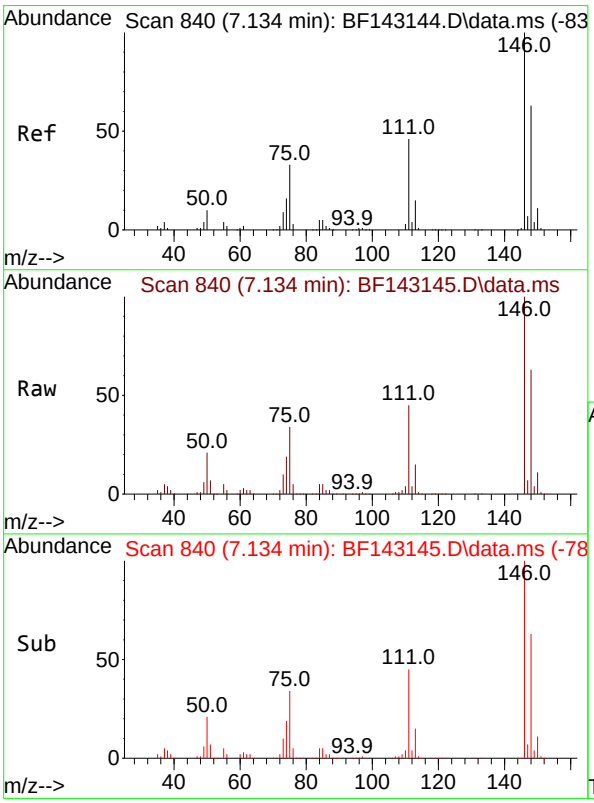
#13
1,4-Dichlorobenzene
Concen: 50.818 ng
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

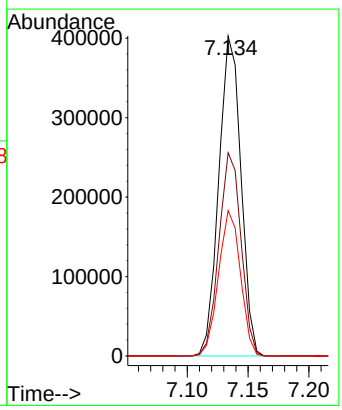


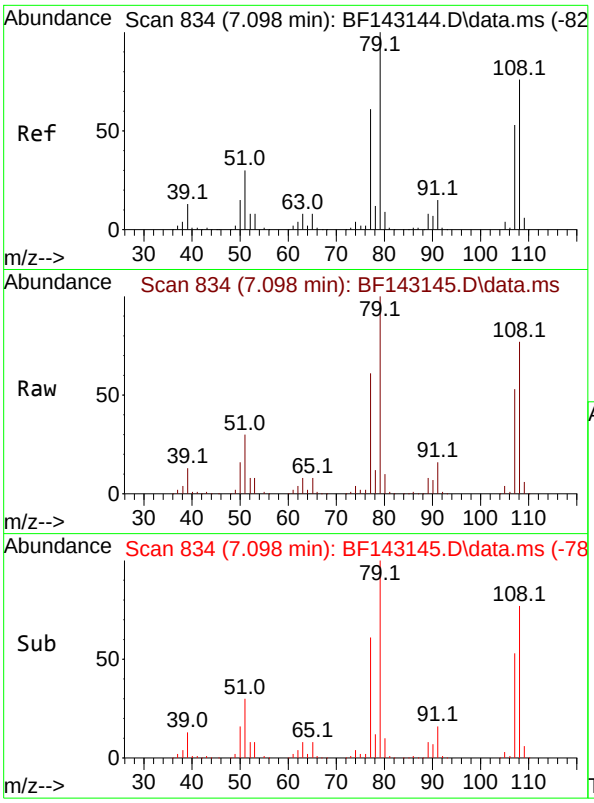


#14
1,2-Dichlorobenzene
Concen: 51.264 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



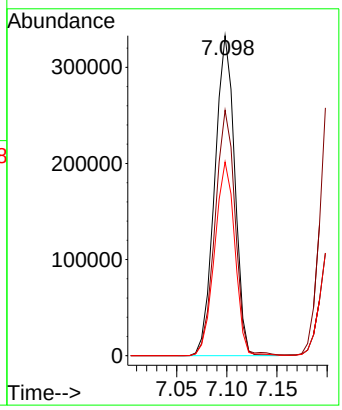


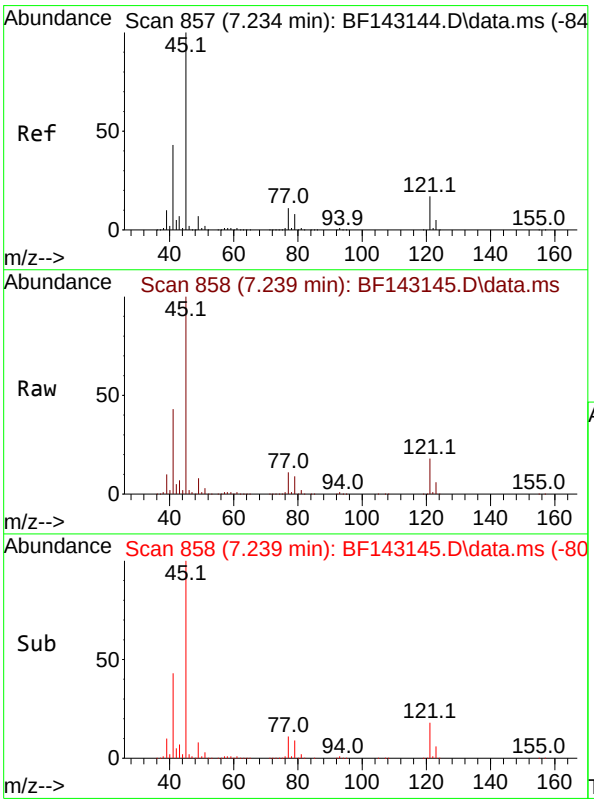
#15
Benzyl Alcohol
Concen: 52.616 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

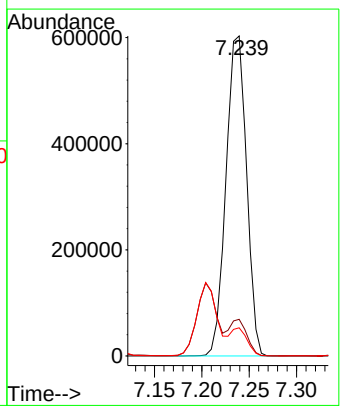


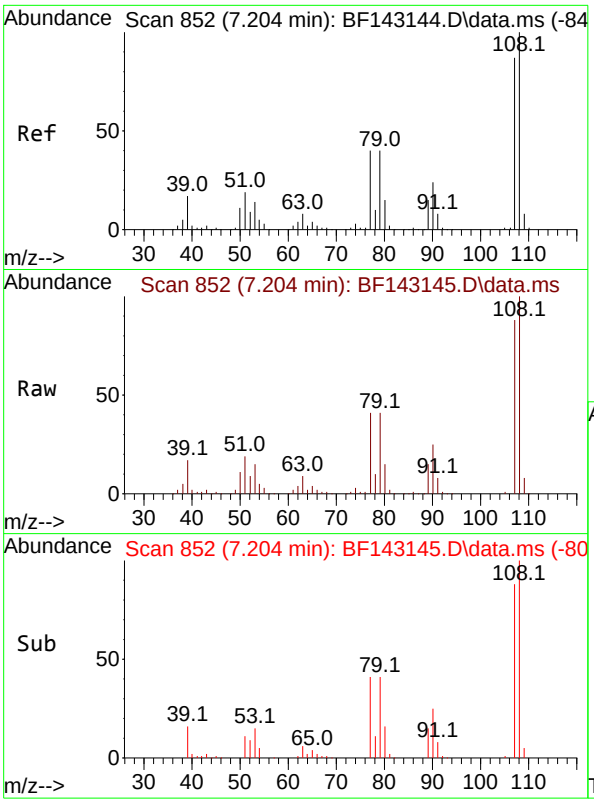


#16
2,2'-oxybis(1-Chloropropane)
Concen: 51.128 ng
RT: 7.239 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



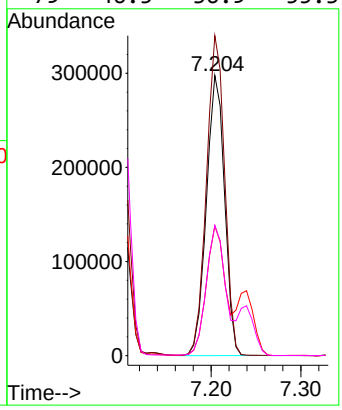


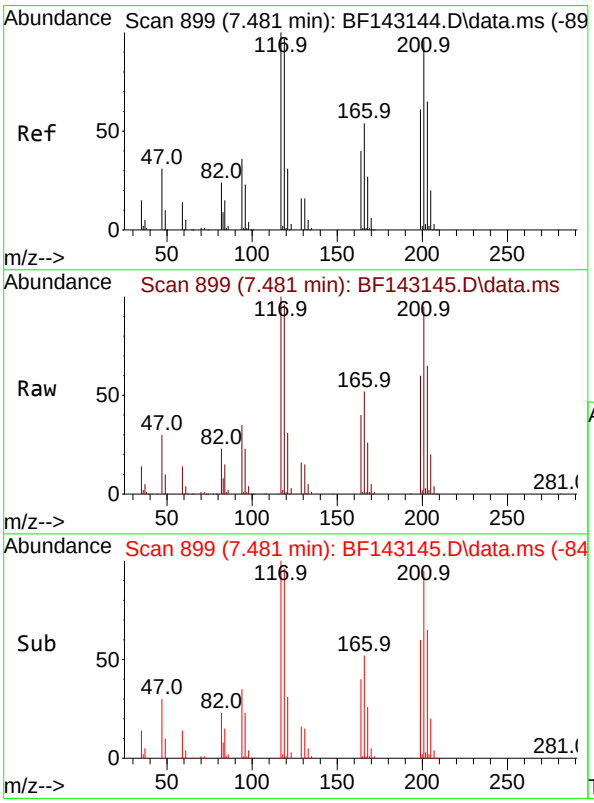
#17
2-Methylphenol
Concen: 52.079 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

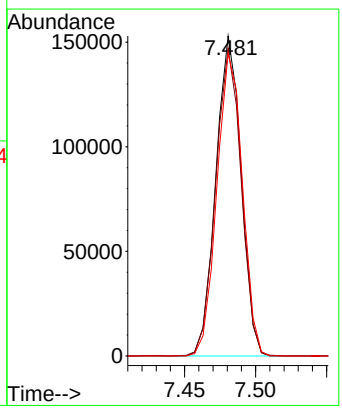


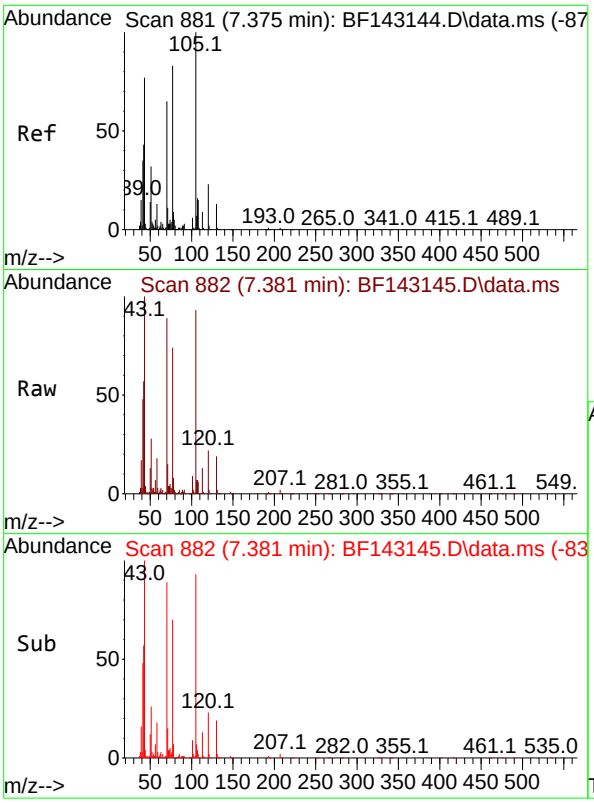


#18
Hexachloroethane
Concen: 52.289 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



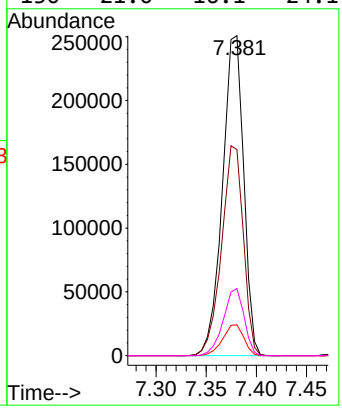


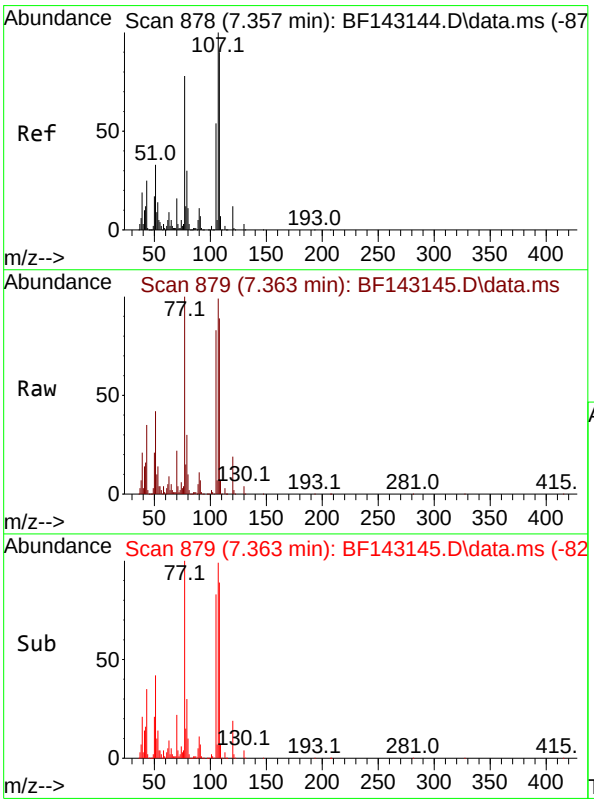
#19
n-Nitroso-di-n-propylamine
Concen: 50.131 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

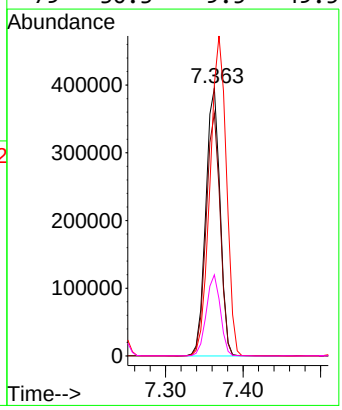


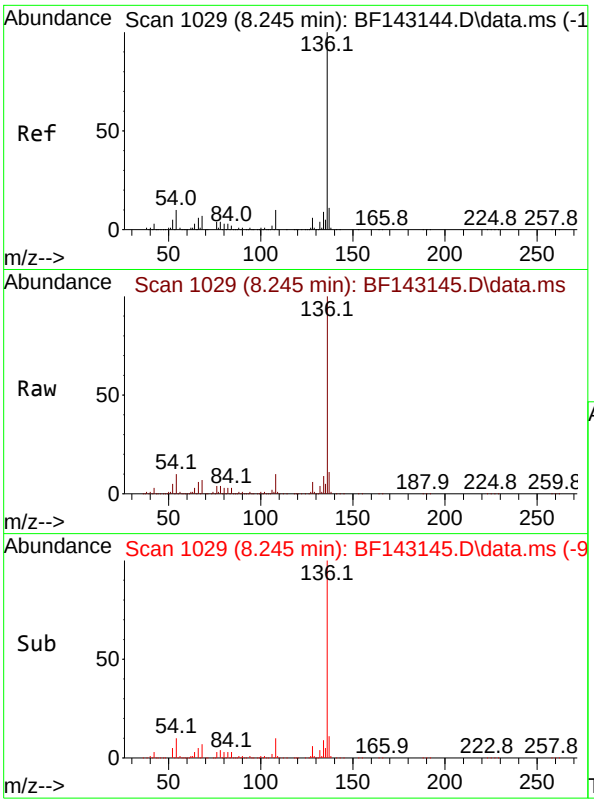


#20
3+4-Methylphenols
Concen: 51.870 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



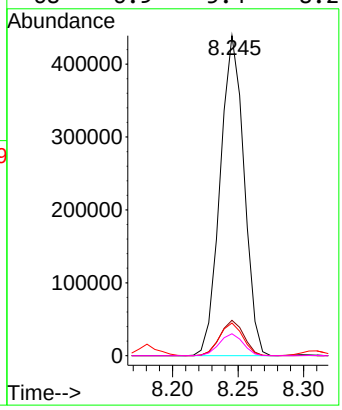


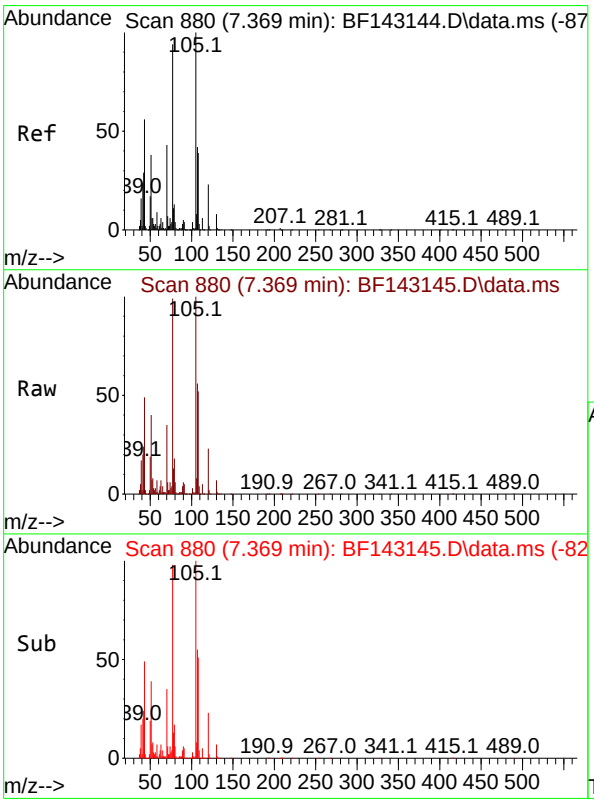
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

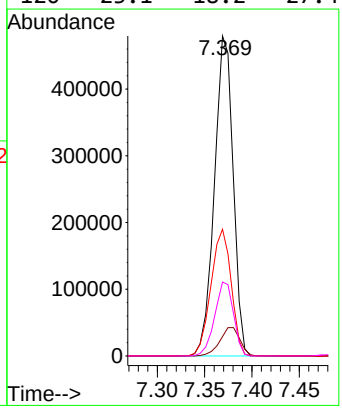


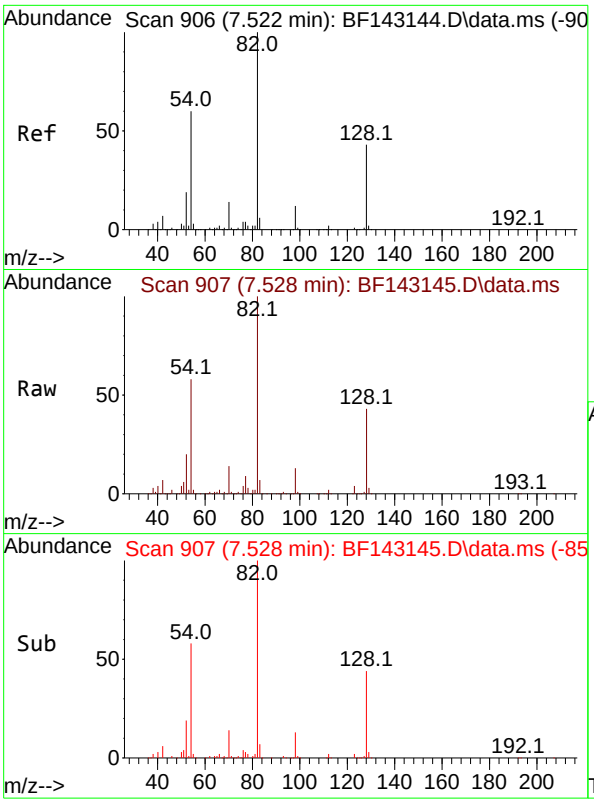


#22
Acetophenone
Concen: 50.258 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



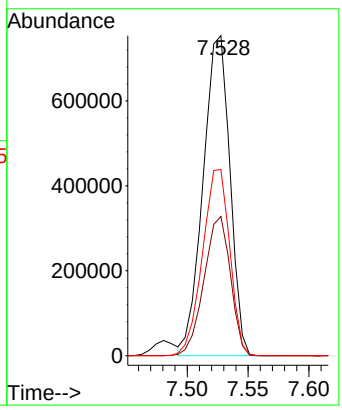


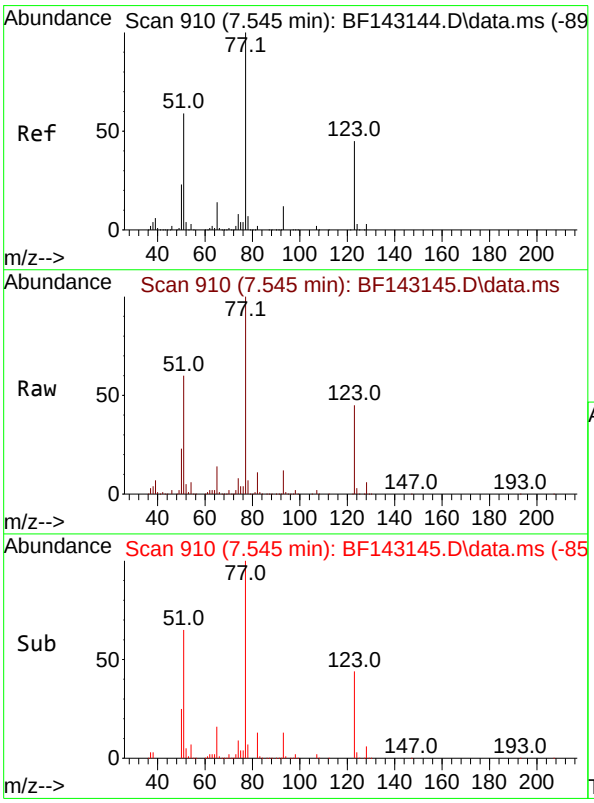
#23
Nitrobenzene-d5
Concen: 103.949 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

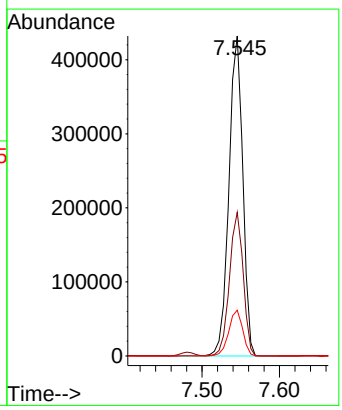


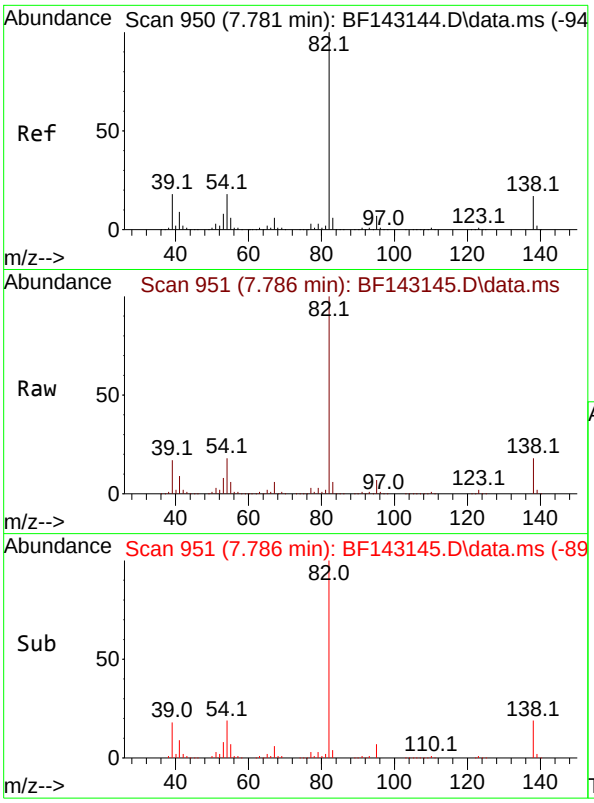


#24
Nitrobenzene
Concen: 51.843 ng
RT: 7.545 min Scan# 910
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



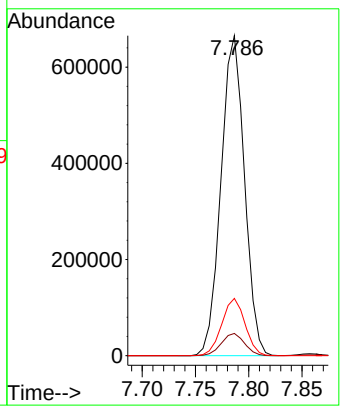


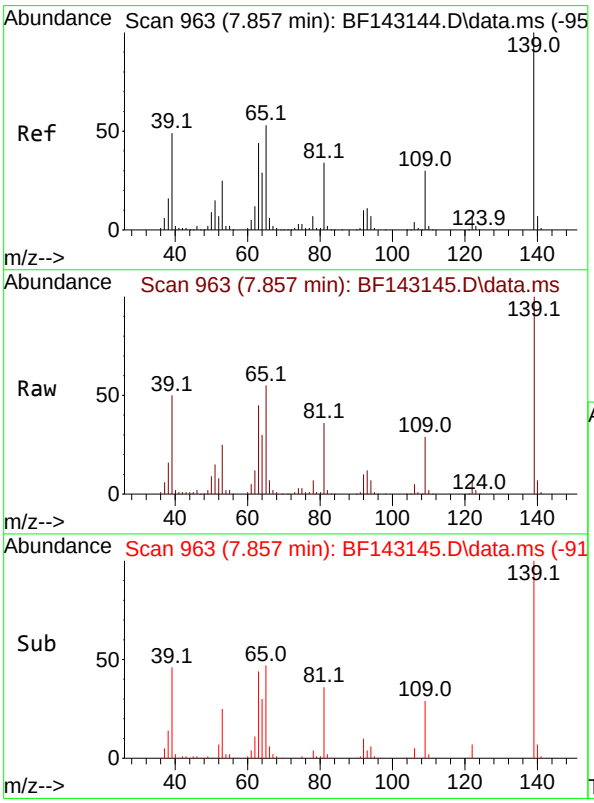
#25
Isophorone
Concen: 51.783 ng
RT: 7.786 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

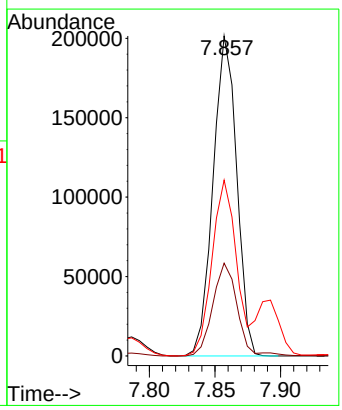


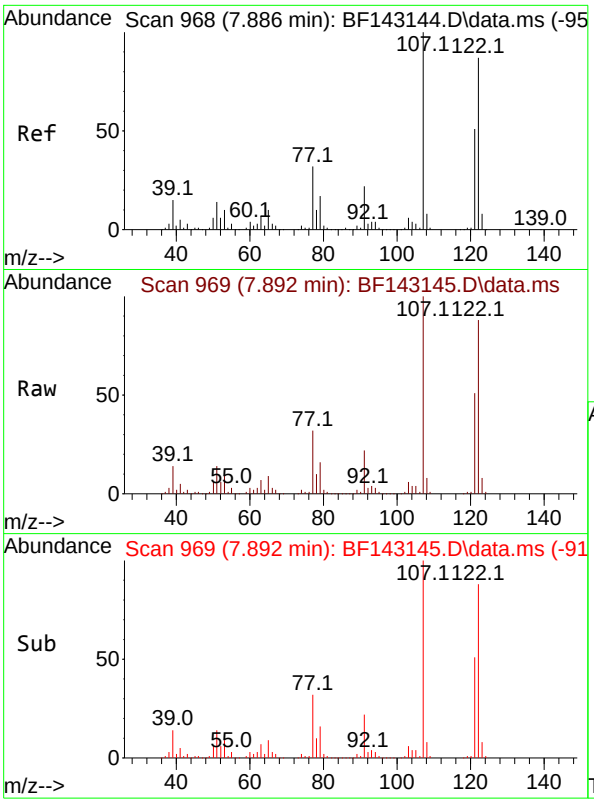


#26
2-Nitrophenol
Concen: 55.920 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



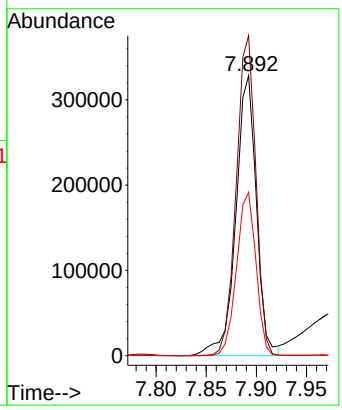


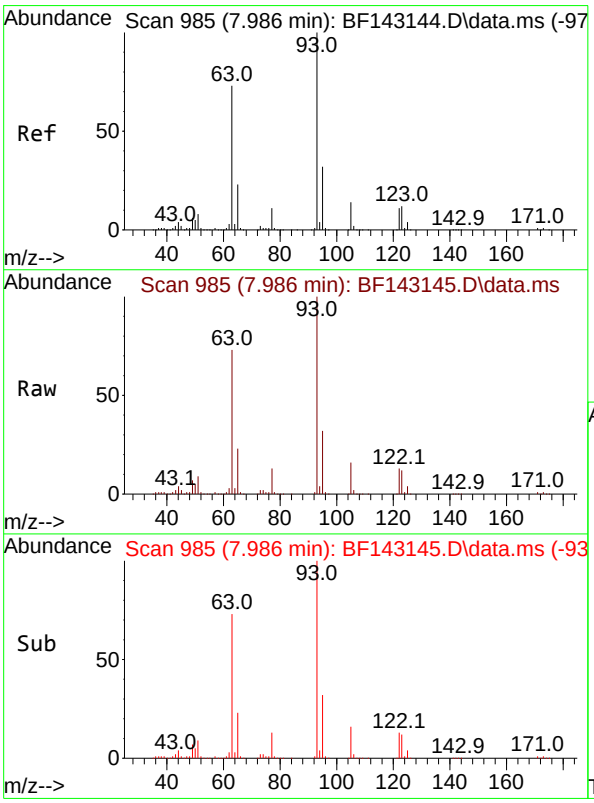
#27
2,4-Dimethylphenol
Concen: 51.112 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

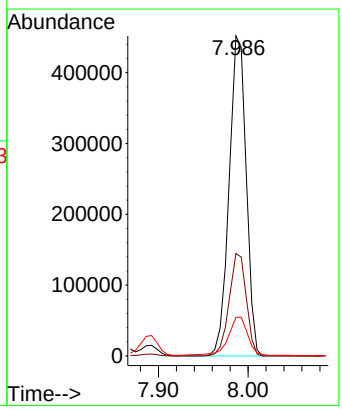


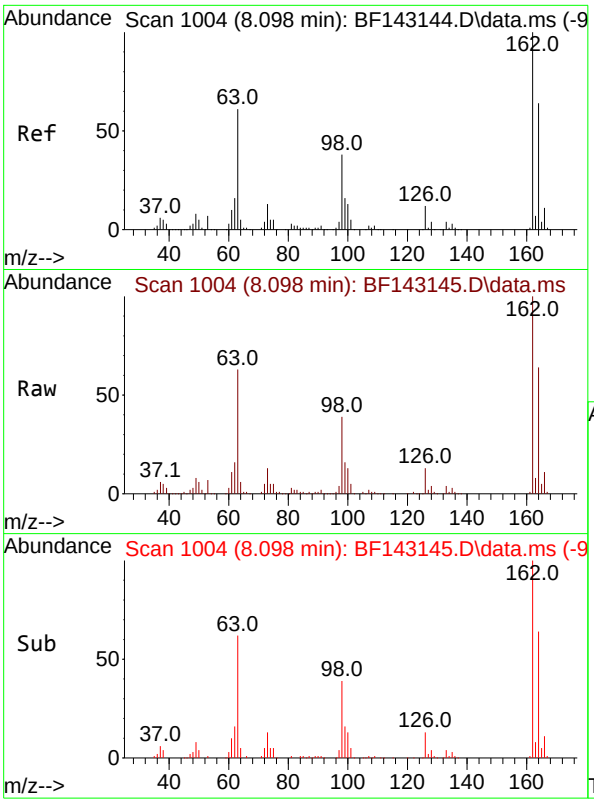


#28
bis(2-Chloroethoxy)methane
Concen: 50.631 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



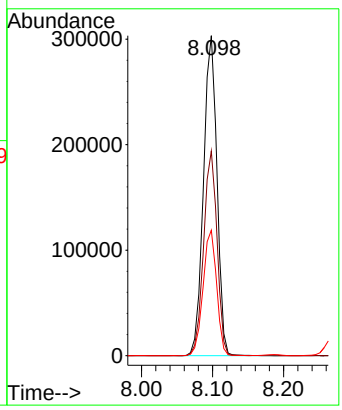


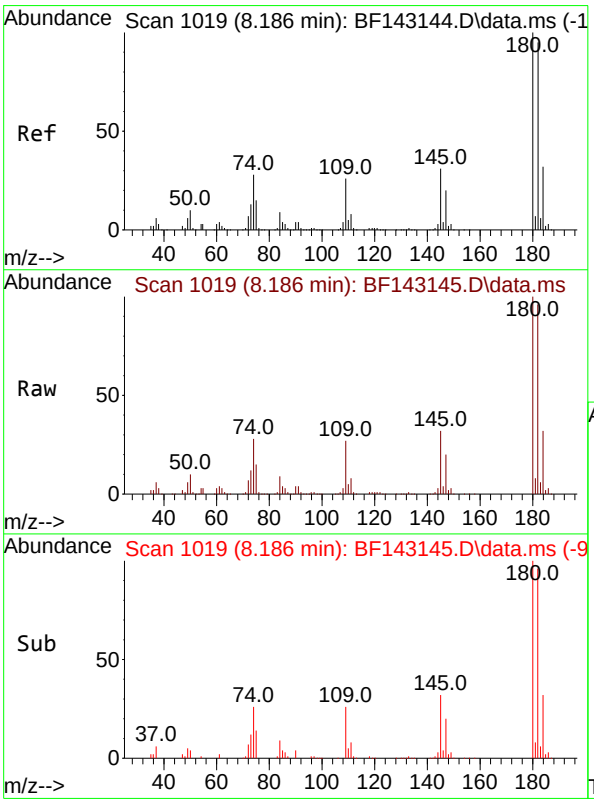
#29
2,4-Dichlorophenol
Concen: 51.773 ng
RT: 8.098 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

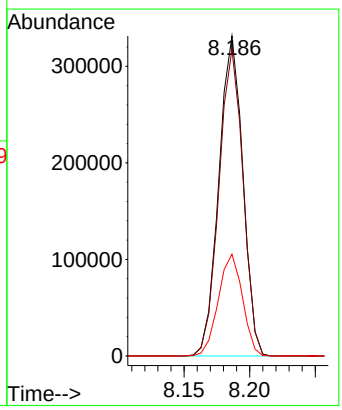


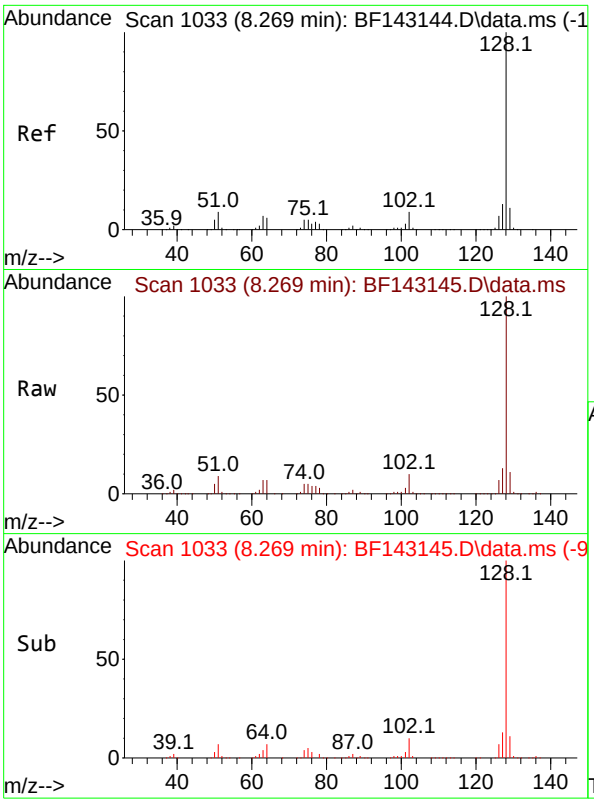


#30
1,2,4-Trichlorobenzene
Concen: 50.242 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



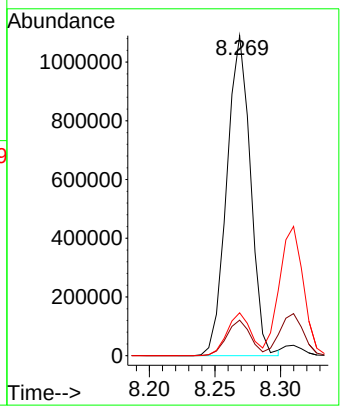


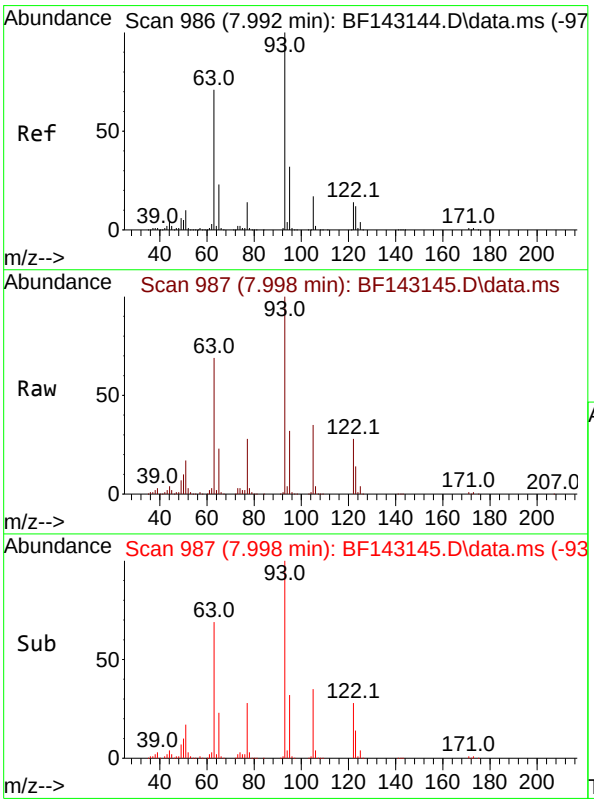
#31
Naphthalene
Concen: 50.060 ng
RT: 8.269 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

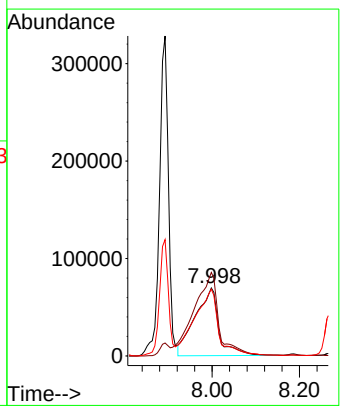


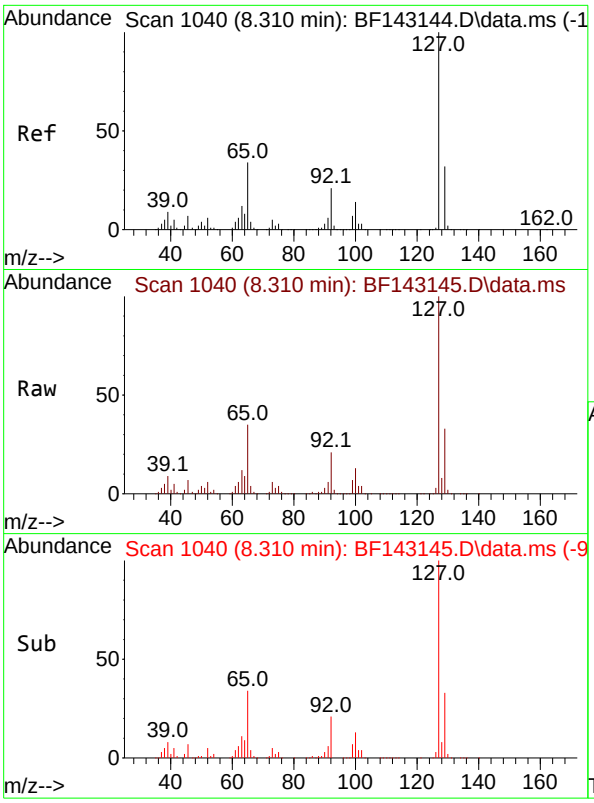


#32
Benzoic acid
Concen: 50.647 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



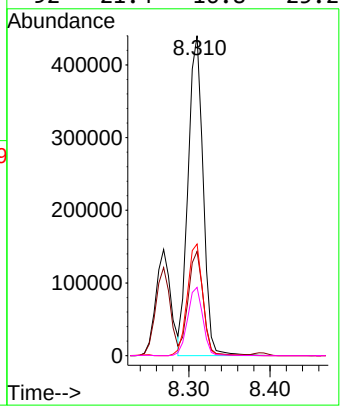


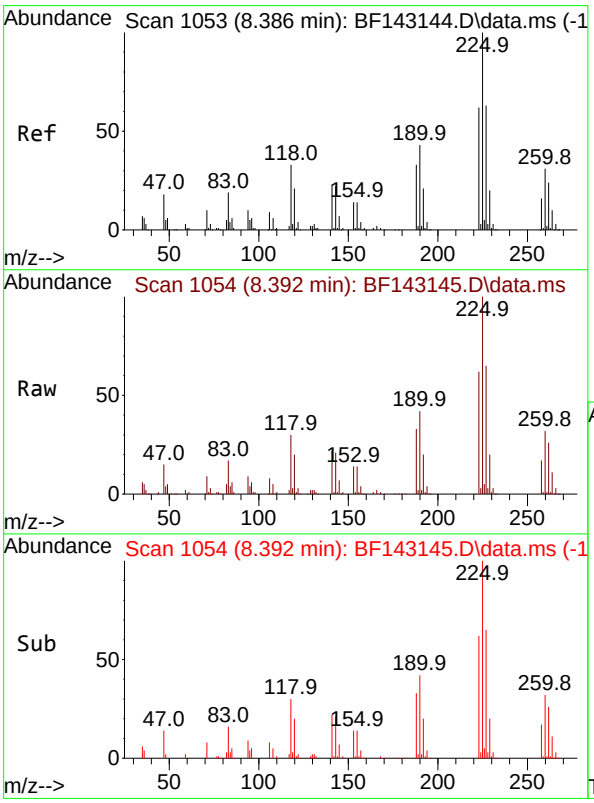
#33
4-Chloroaniline
Concen: 50.703 ng
RT: 8.310 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

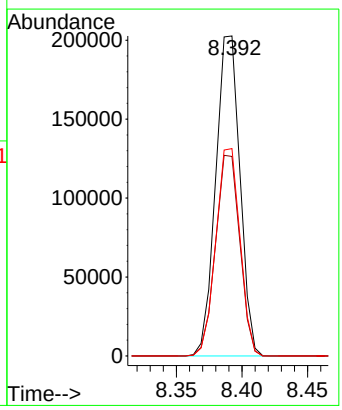


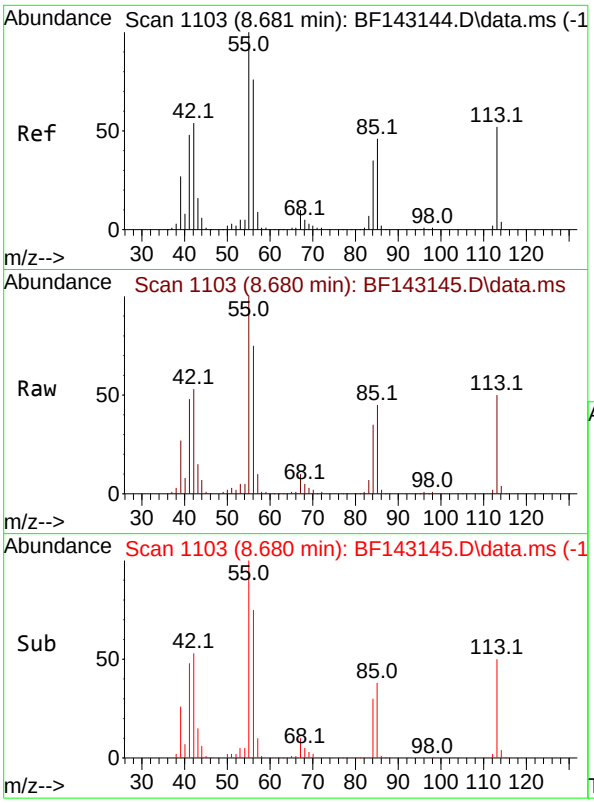


#34
Hexachlorobutadiene
Concen: 50.976 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



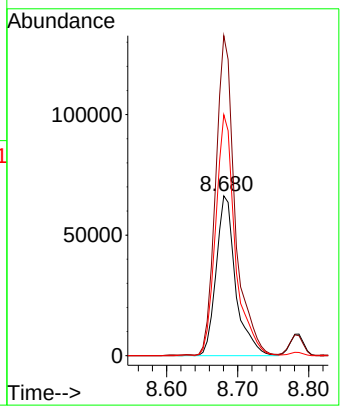


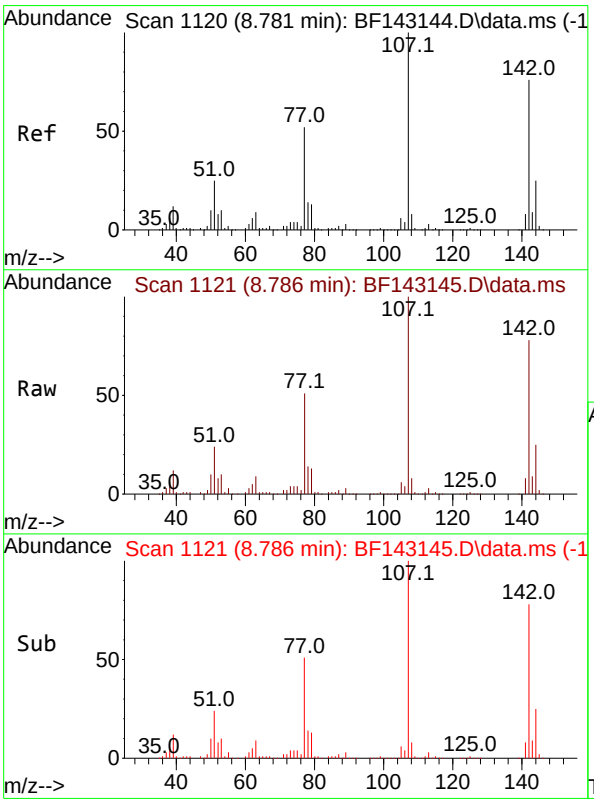
#35
Caprolactam
Concen: 53.811 ng
RT: 8.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

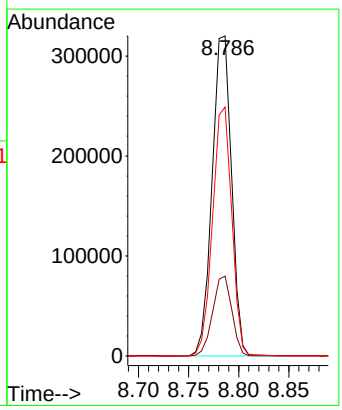


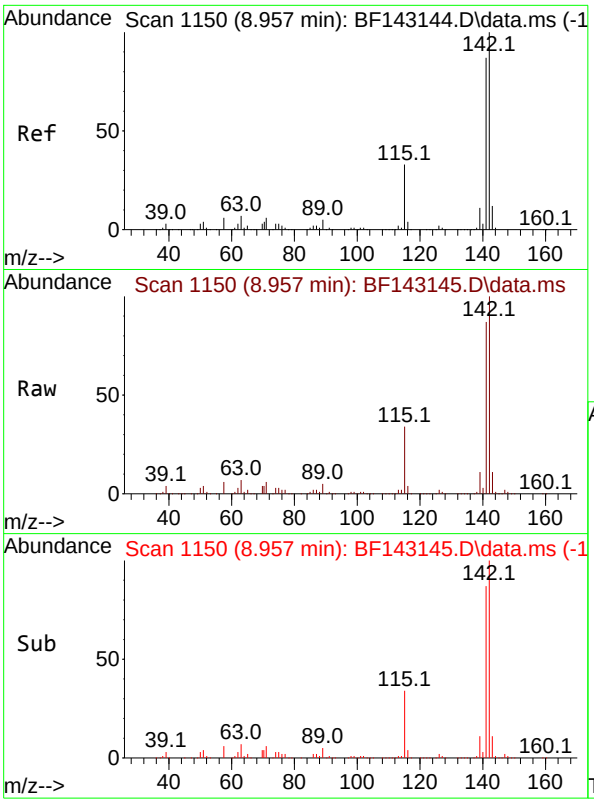


#36
4-Chloro-3-methylphenol
Concen: 51.242 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



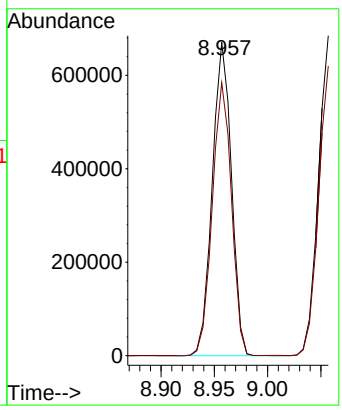


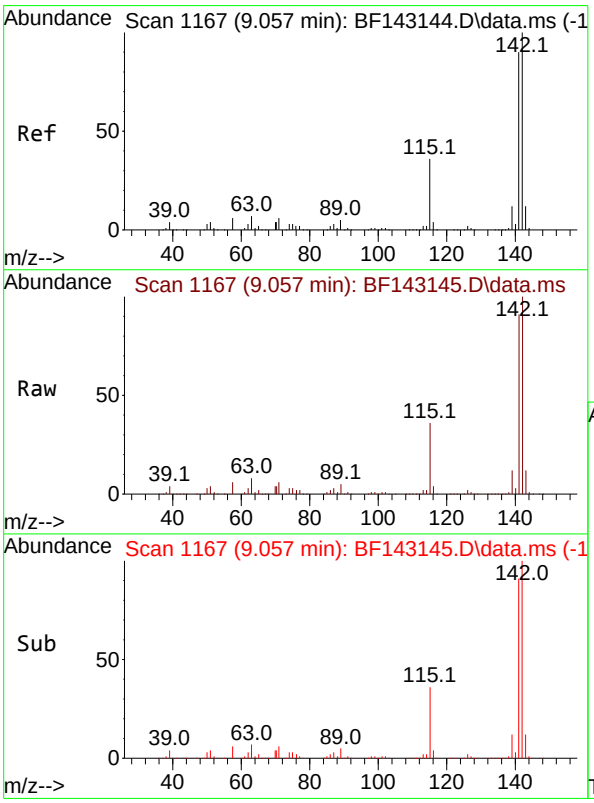
#37
2-Methylnaphthalene
Concen: 50.324 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 837820

Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.9	104.9

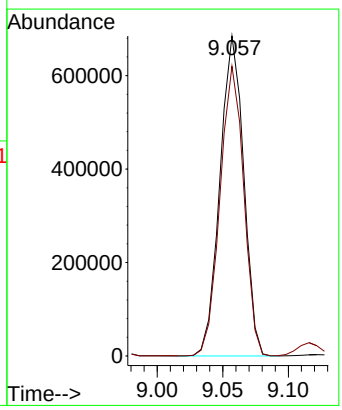


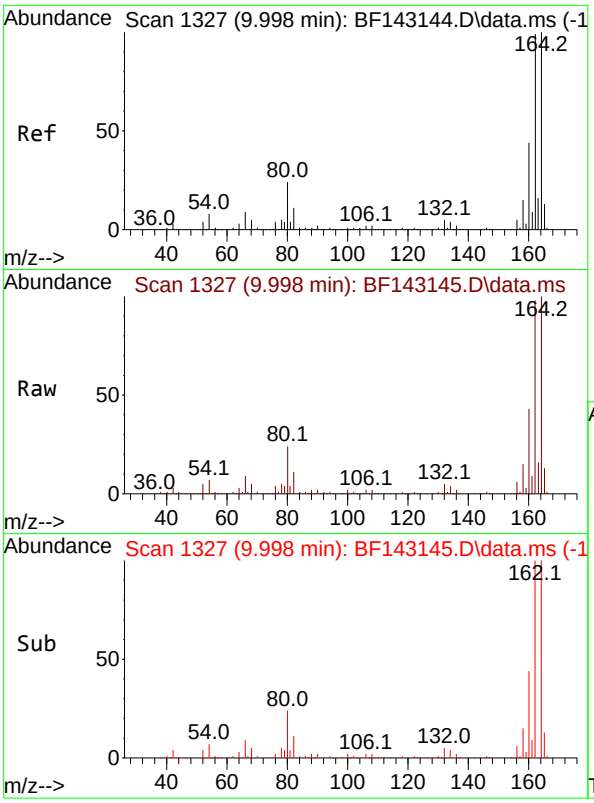


#38
1-Methylnaphthalene
Concen: 50.298 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

Tgt Ion:142 Resp: 862300

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.3	108.5



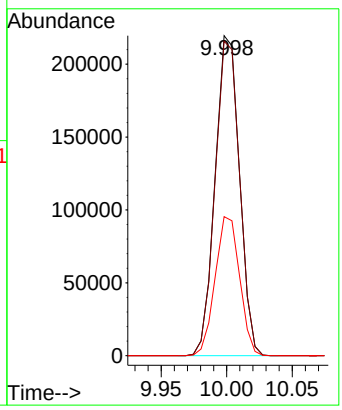


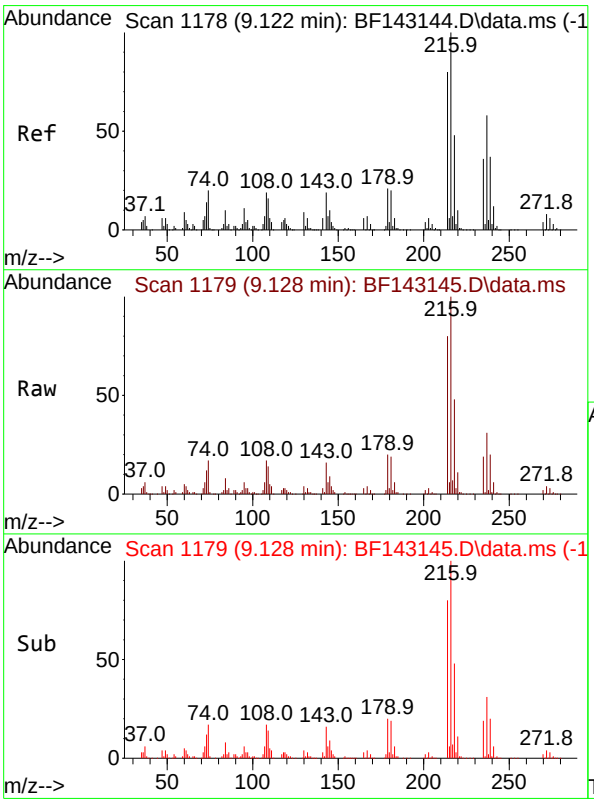
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

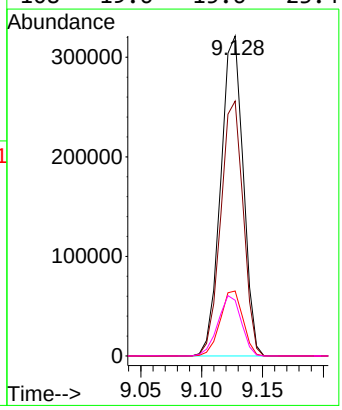


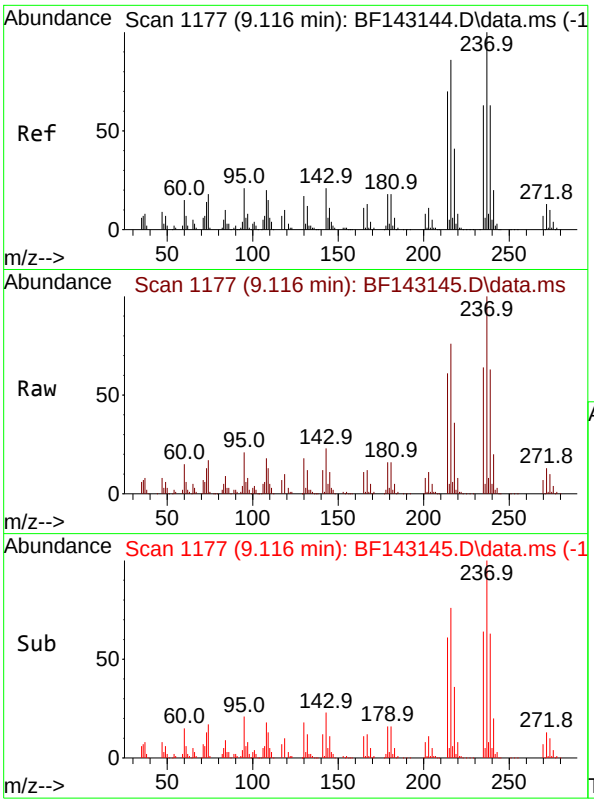


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.420 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



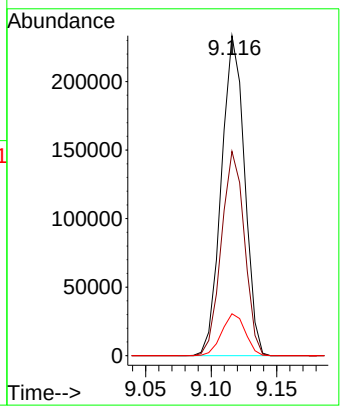


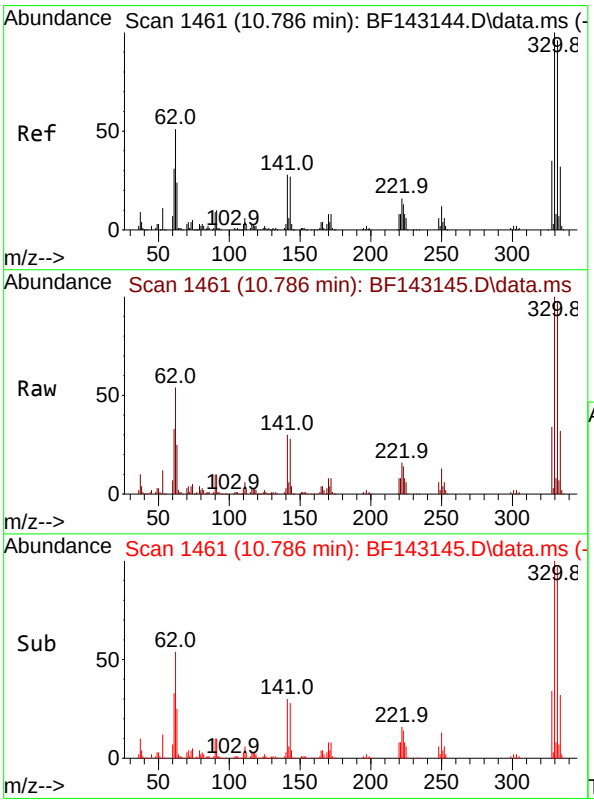
#41
Hexachlorocyclopentadiene
Concen: 53.823 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

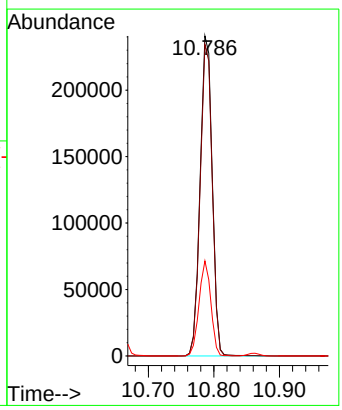


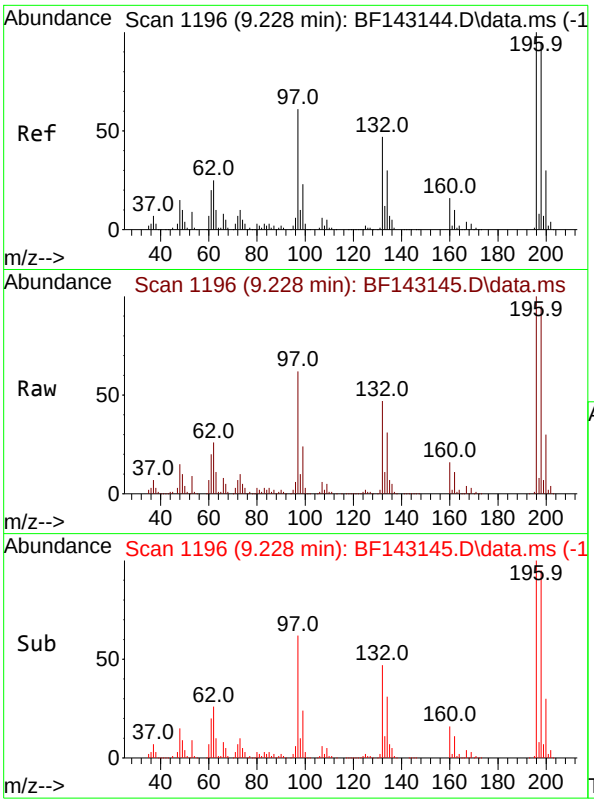


#42
2,4,6-Tribromophenol
Concen: 105.607 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



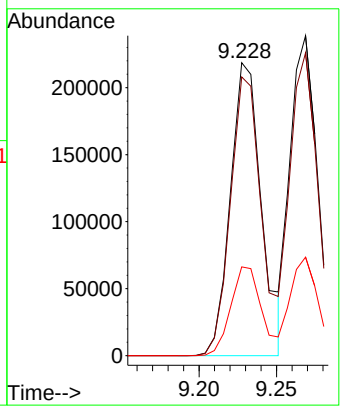


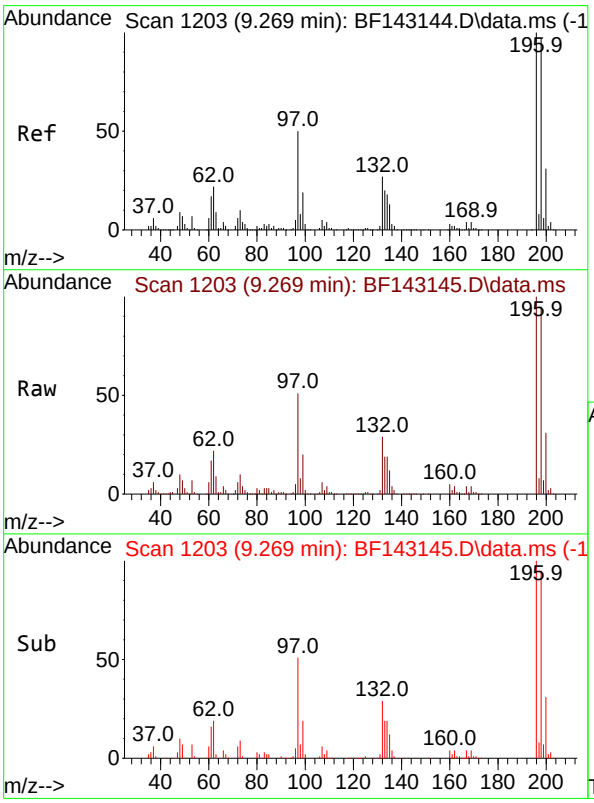
#43
2,4,6-Trichlorophenol
Concen: 53.718 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

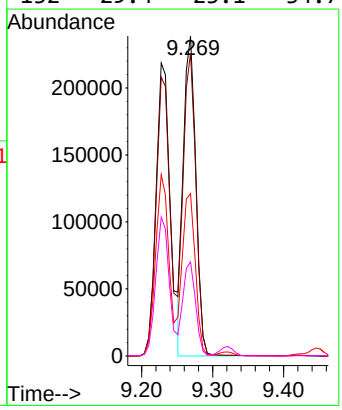


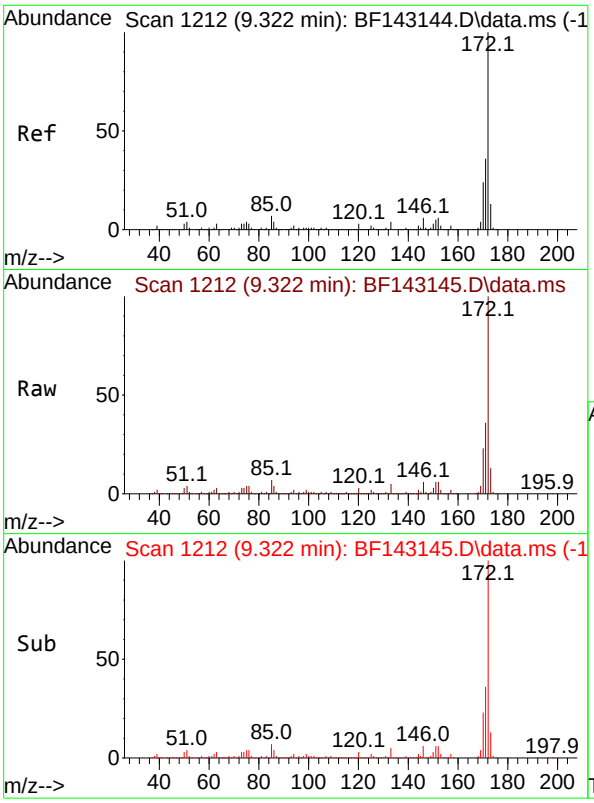


#44
2,4,5-Trichlorophenol
Concen: 51.434 ng
RT: 9.269 min Scan# 1203
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



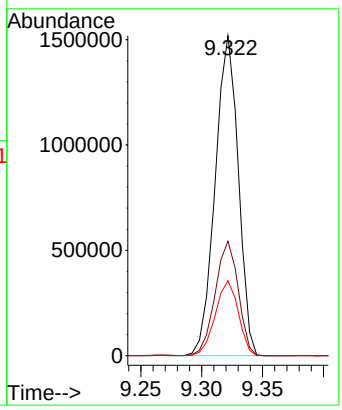


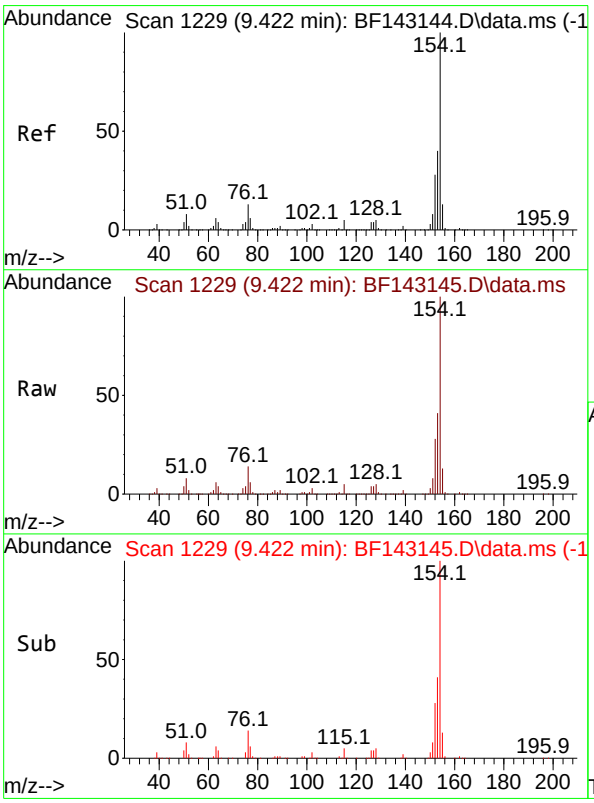
#45
2-Fluorobiphenyl
Concen: 96.712 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

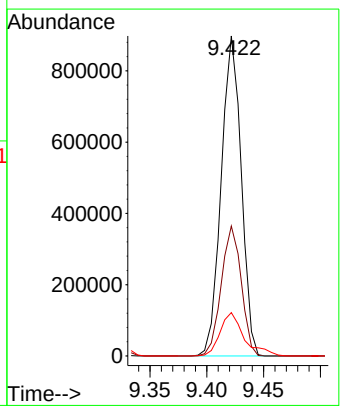


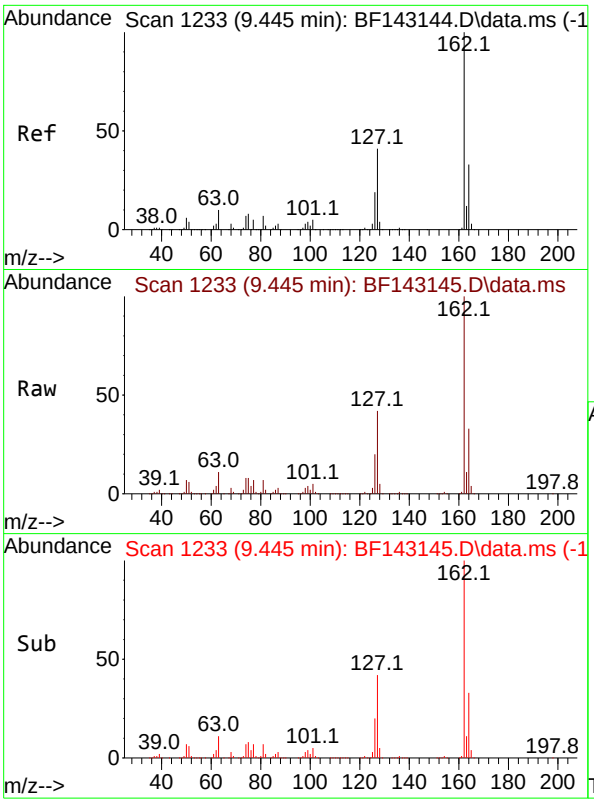


#46
1,1'-Biphenyl
Concen: 49.764 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



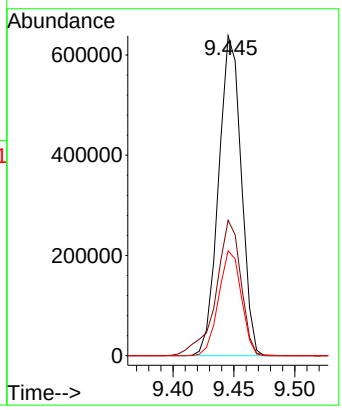


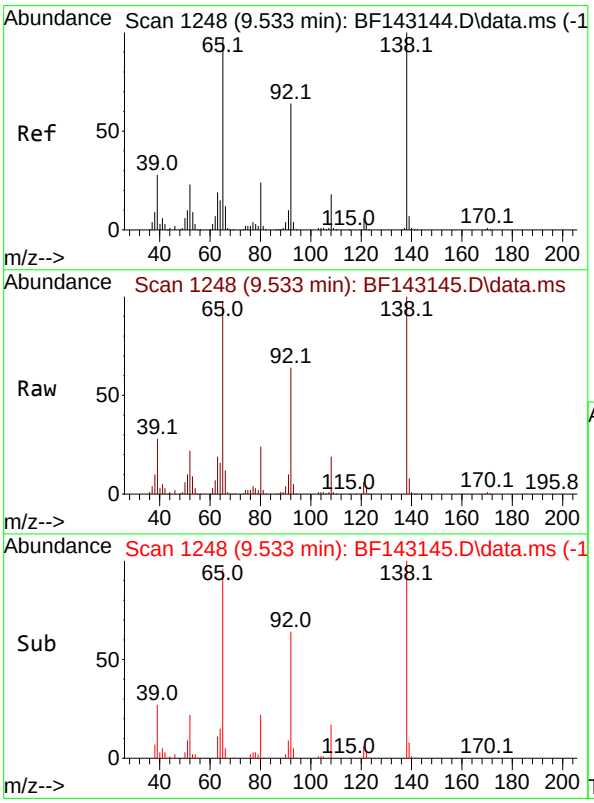
#47
2-Chloronaphthalene
Concen: 50.488 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

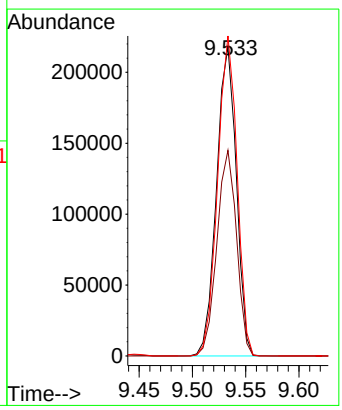


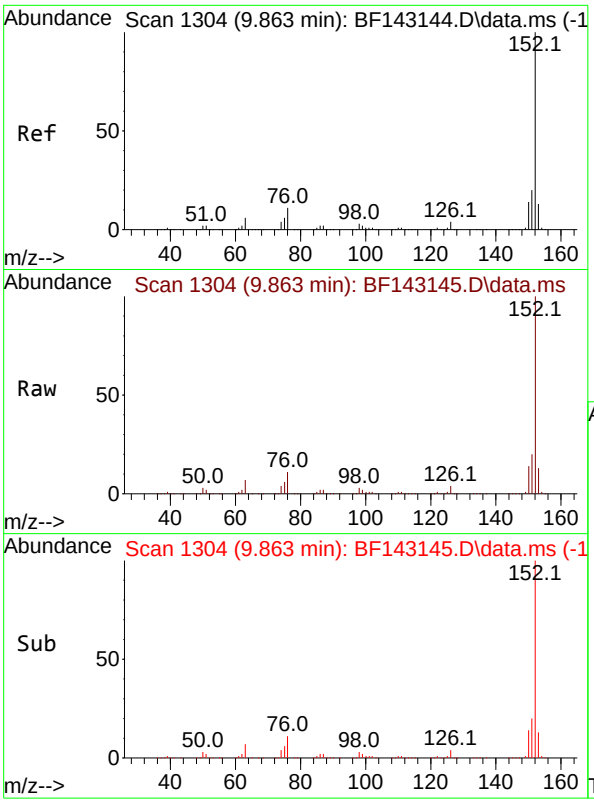


#48
2-Nitroaniline
Concen: 54.736 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



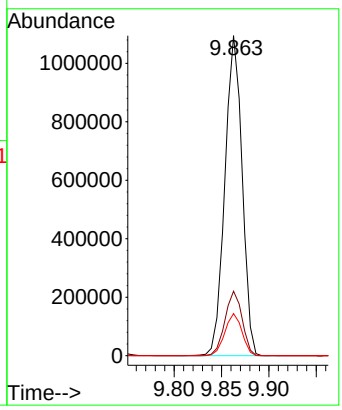


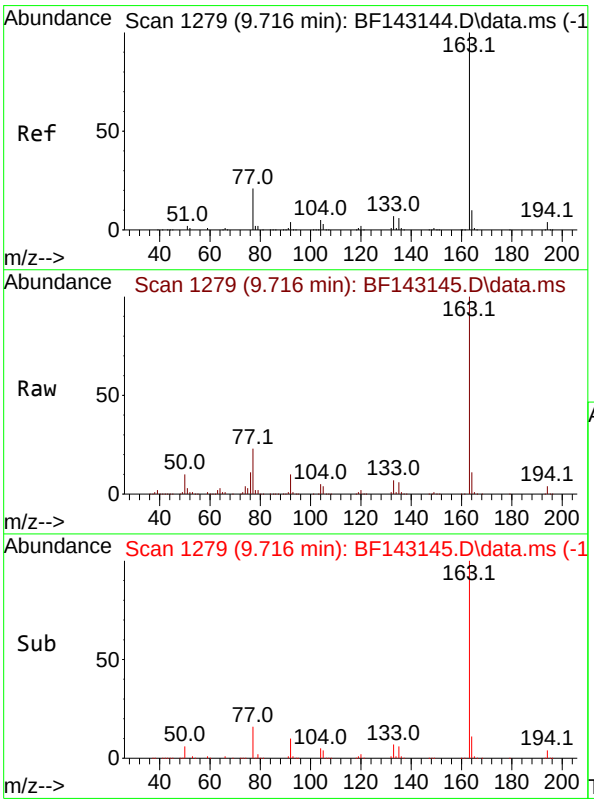
#49
Acenaphthylene
Concen: 50.605 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

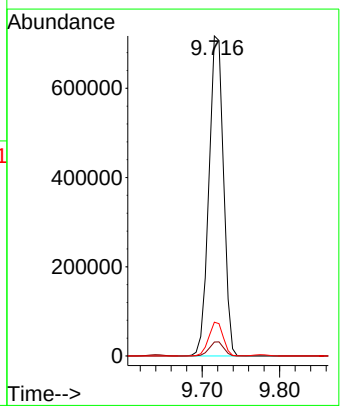


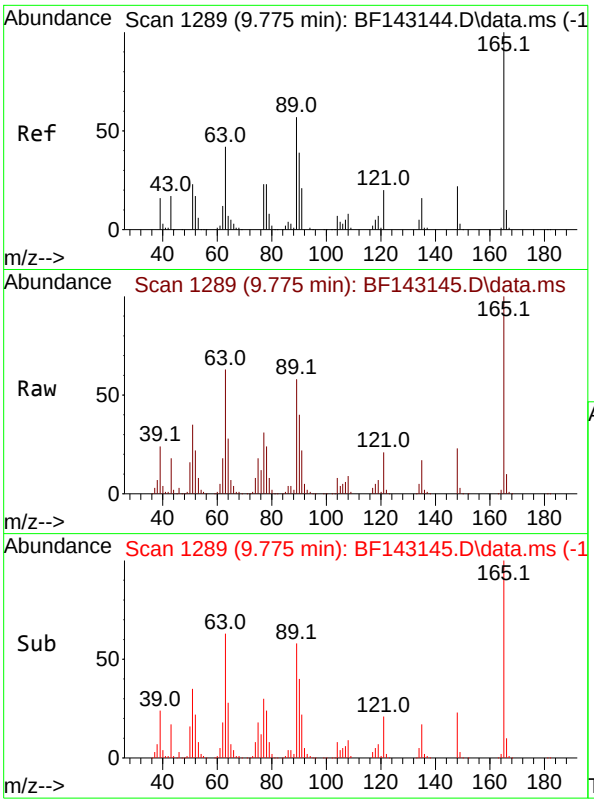


#50
Dimethylphthalate
Concen: 50.832 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



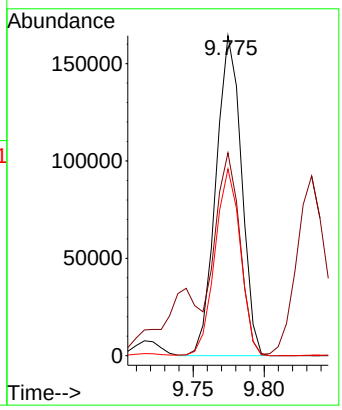


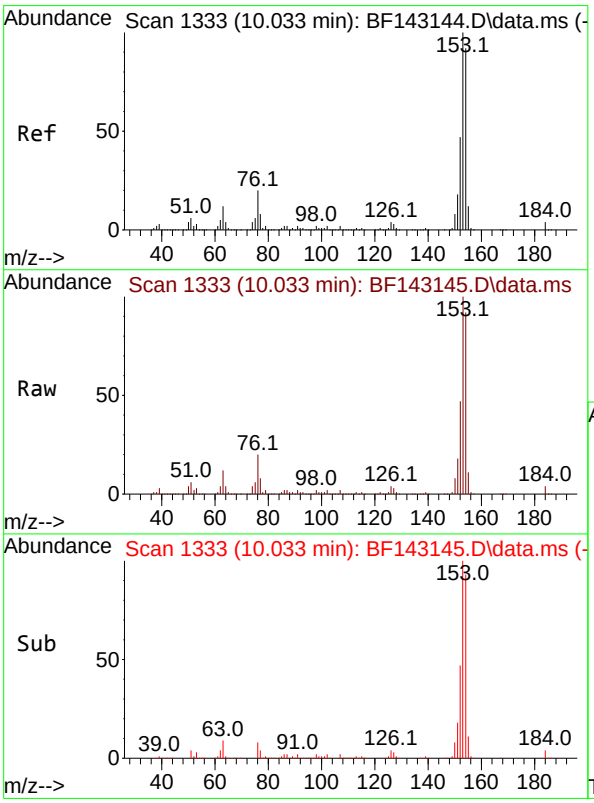
#51
2,6-Dinitrotoluene
Concen: 54.541 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

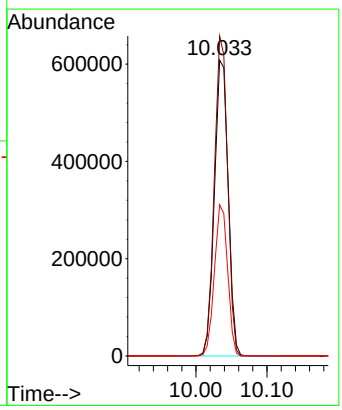


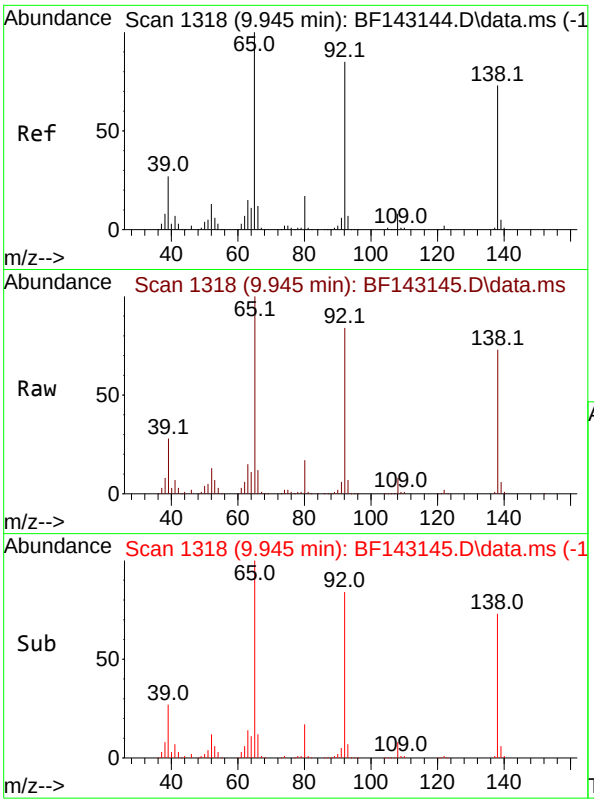


#52
Acenaphthene
Concen: 50.481 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



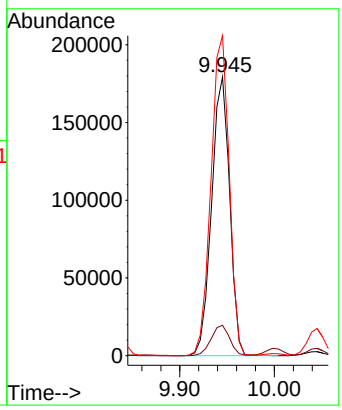


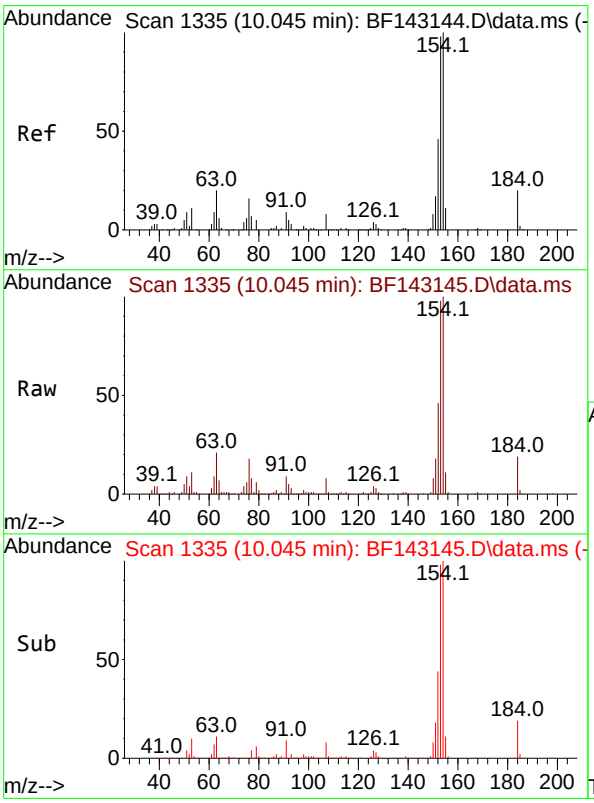
#53
3-Nitroaniline
Concen: 53.861 ng
RT: 9.945 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

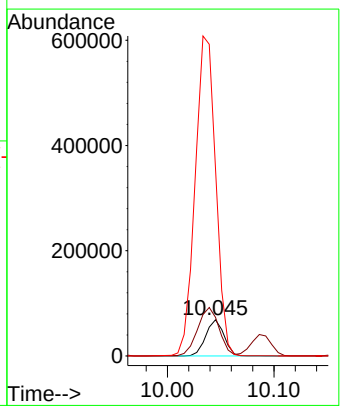


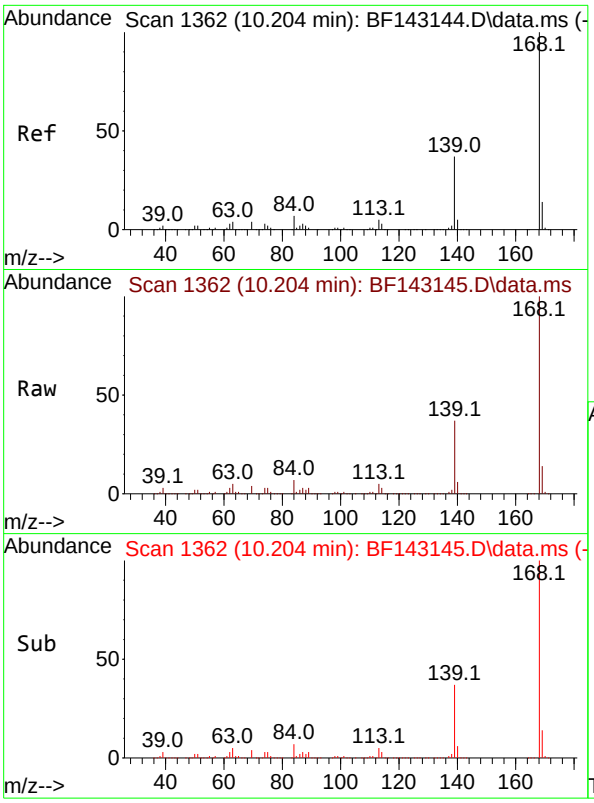


#54
2,4-Dinitrophenol
Concen: 50.750 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



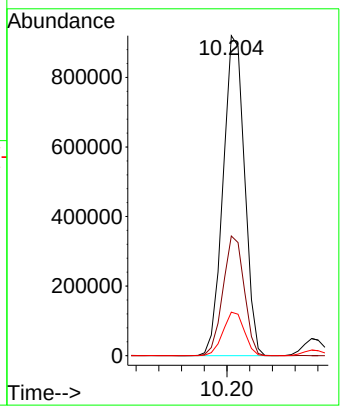


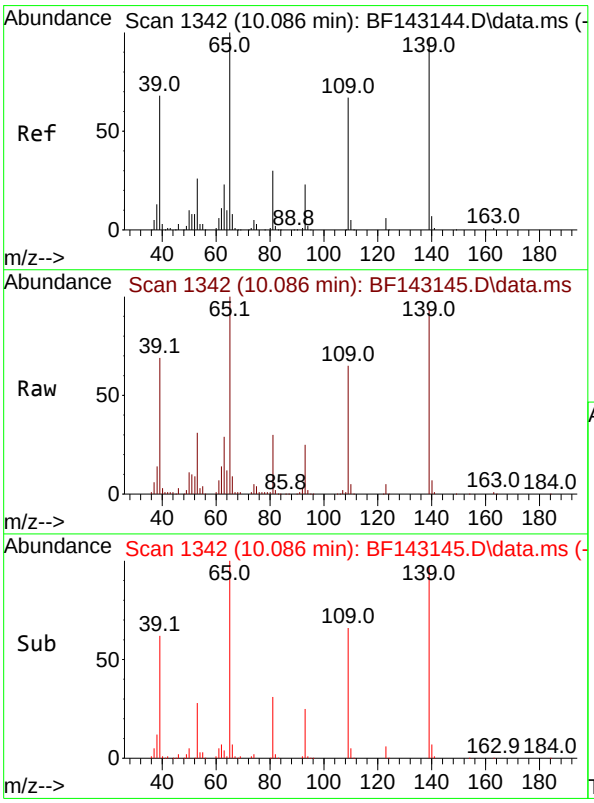
#55
Dibenzofuran
Concen: 50.001 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

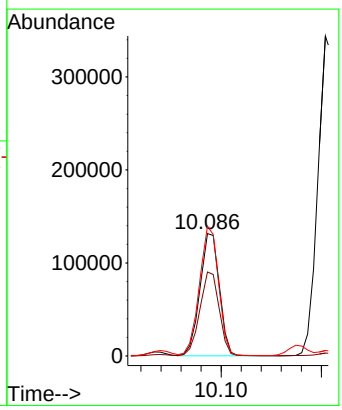


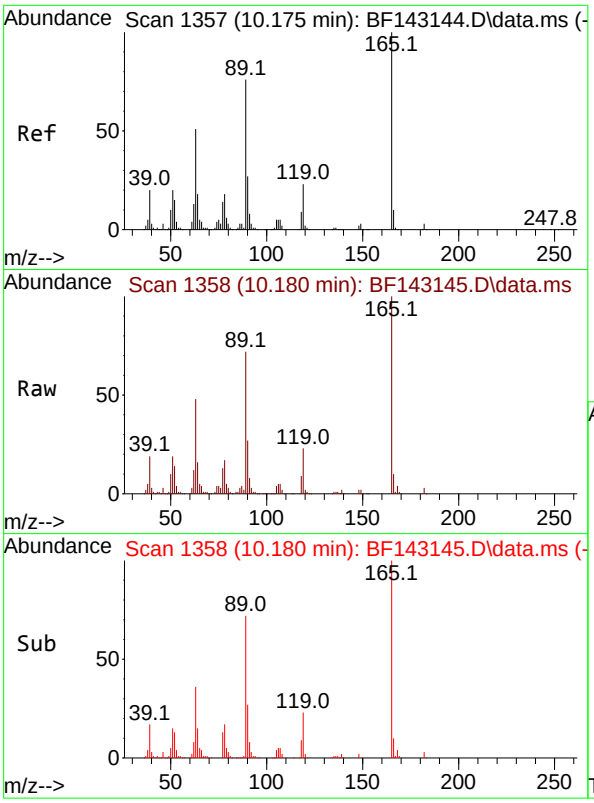


#56
4-Nitrophenol
Concen: 54.001 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



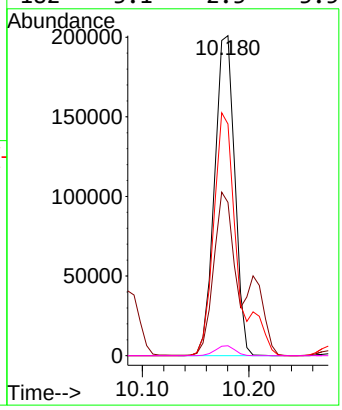


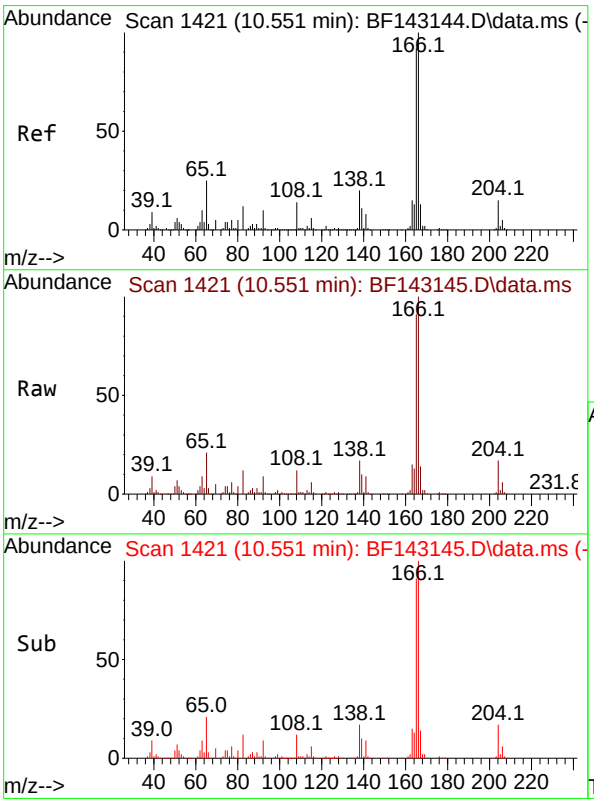
#57
2,4-Dinitrotoluene
Concen: 55.954 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

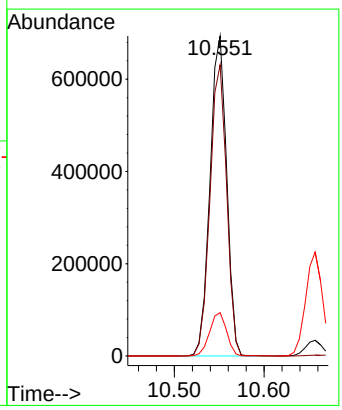


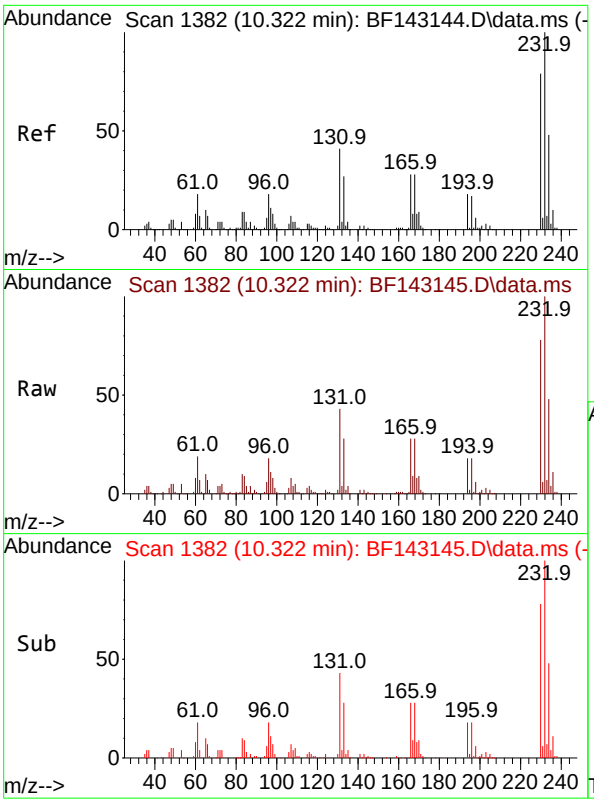


#58
Fluorene
Concen: 49.335 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



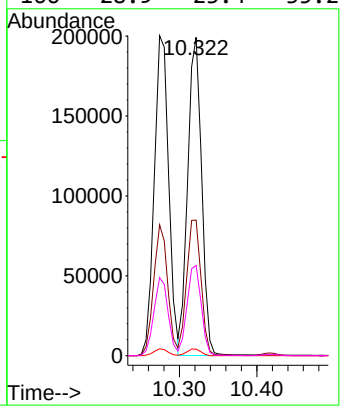


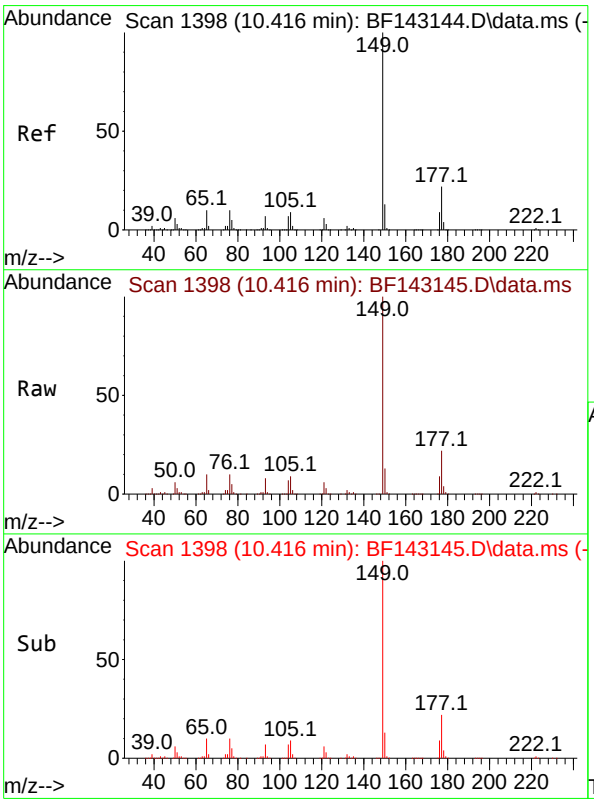
#59
2,3,4,6-Tetrachlorophenol
Concen: 52.965 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

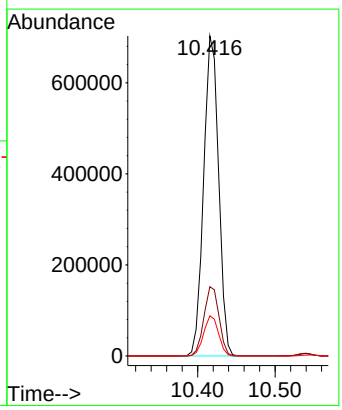


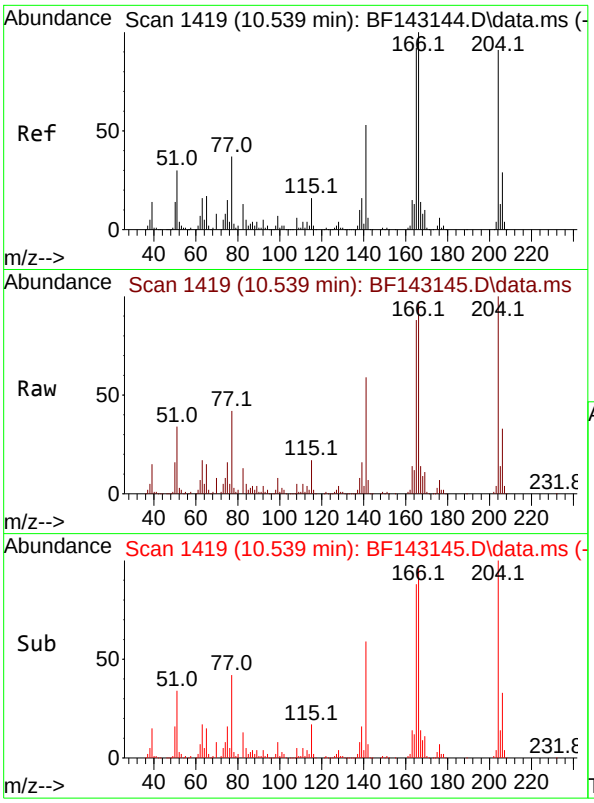


#60
Diethylphthalate
Concen: 51.580 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



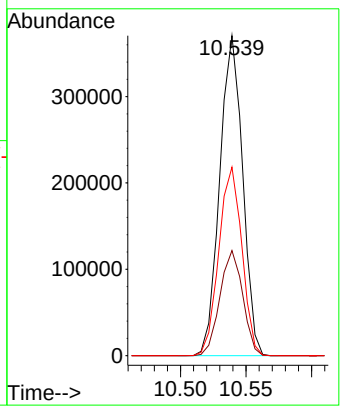


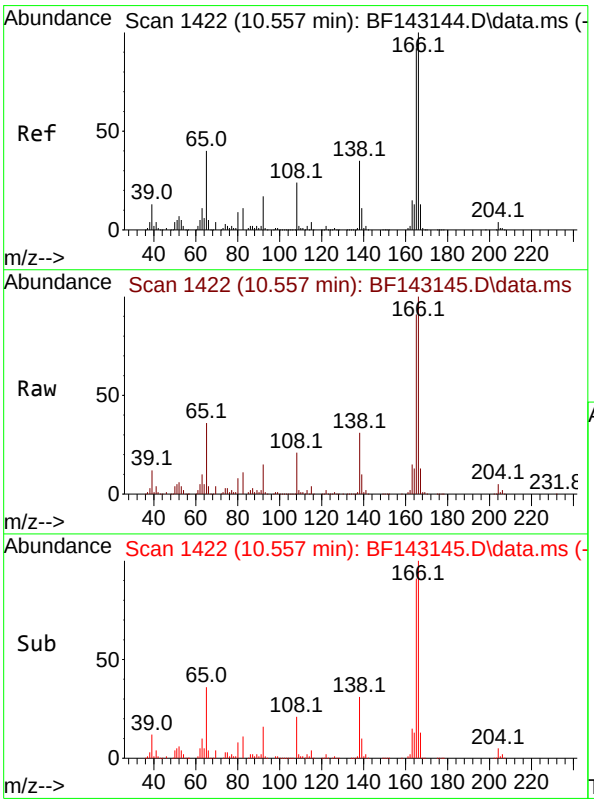
#61
4-Chlorophenyl-phenylether
Concen: 49.911 ng
RT: 10.539 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

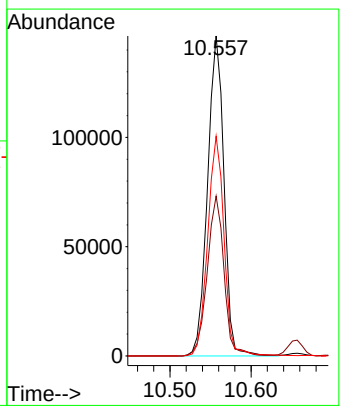


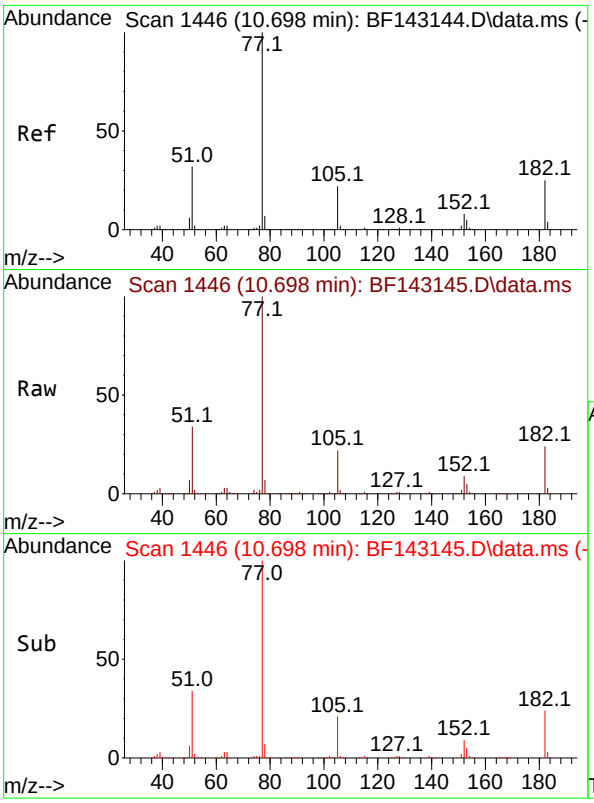


#62
4-Nitroaniline
Concen: 54.424 ng
RT: 10.557 min Scan# 1422
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



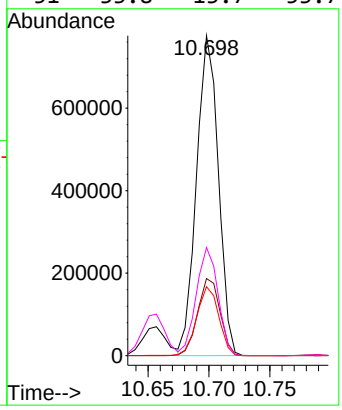


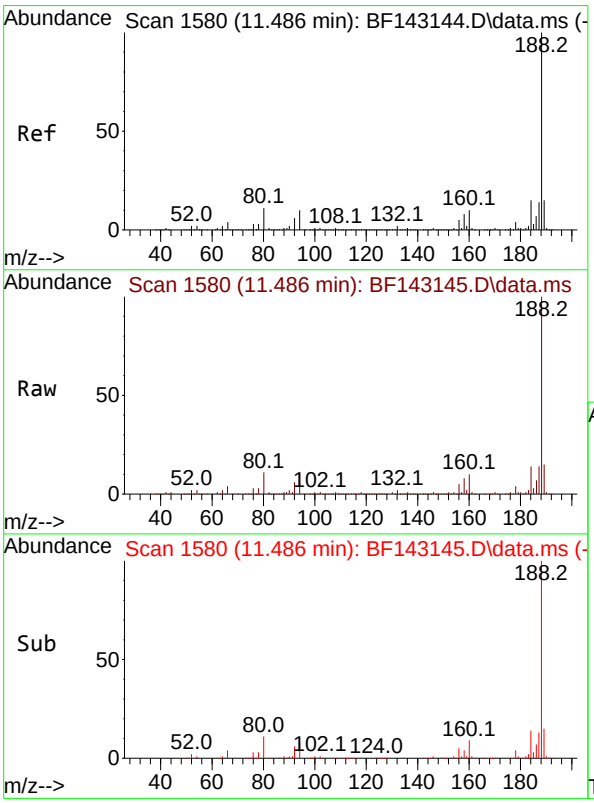
#63
Azobenzene
Concen: 50.766 ng
RT: 10.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

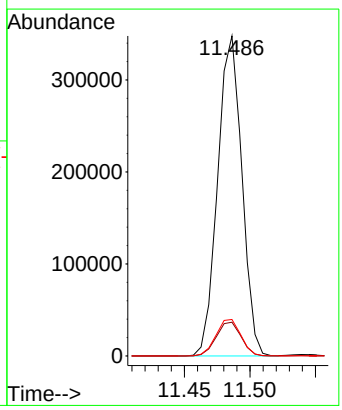


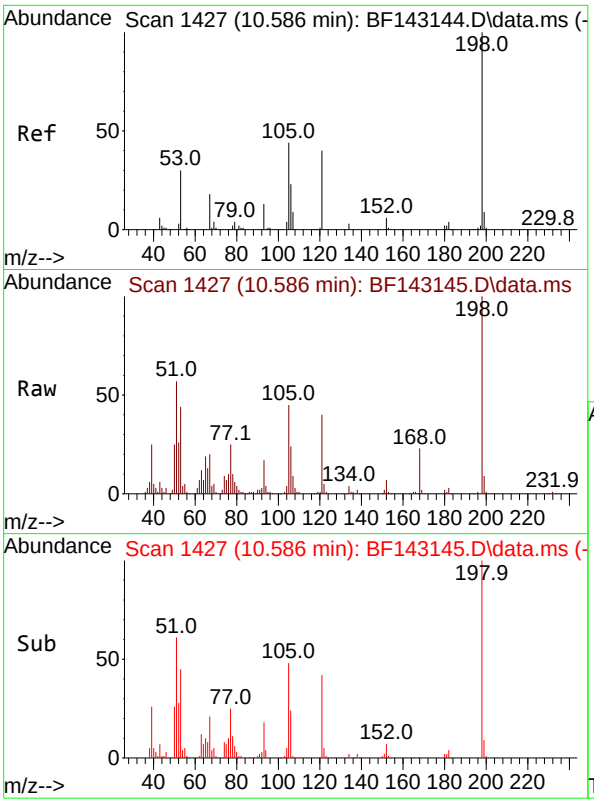


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



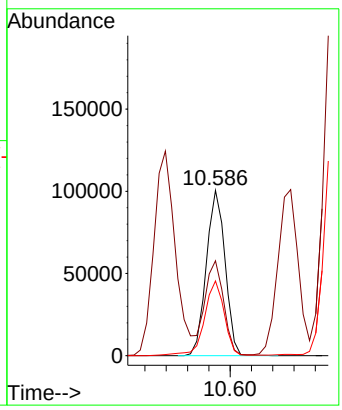


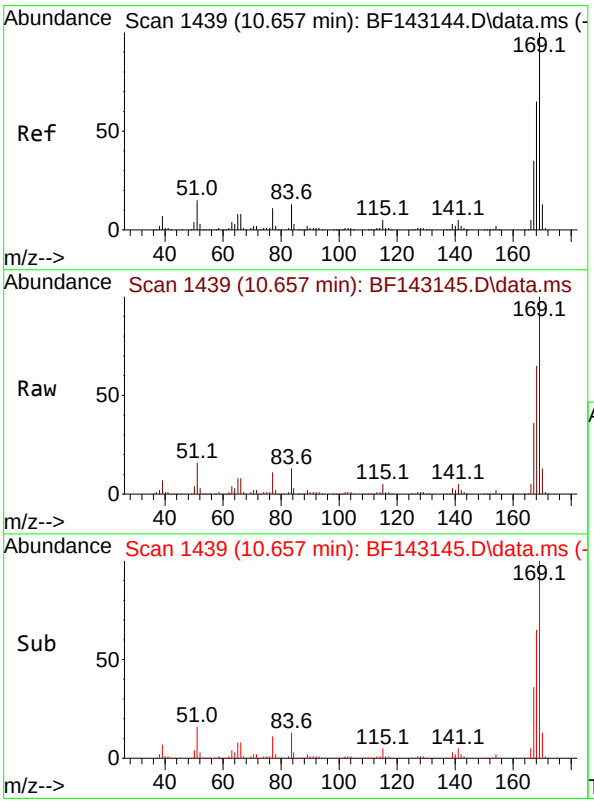
#65
4,6-Dinitro-2-methylphenol
Concen: 51.927 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

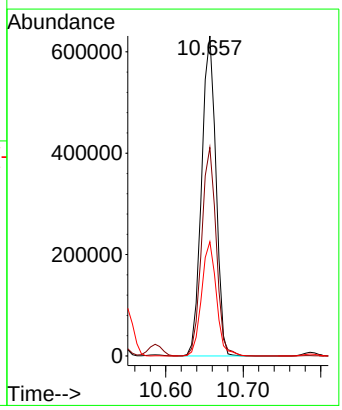


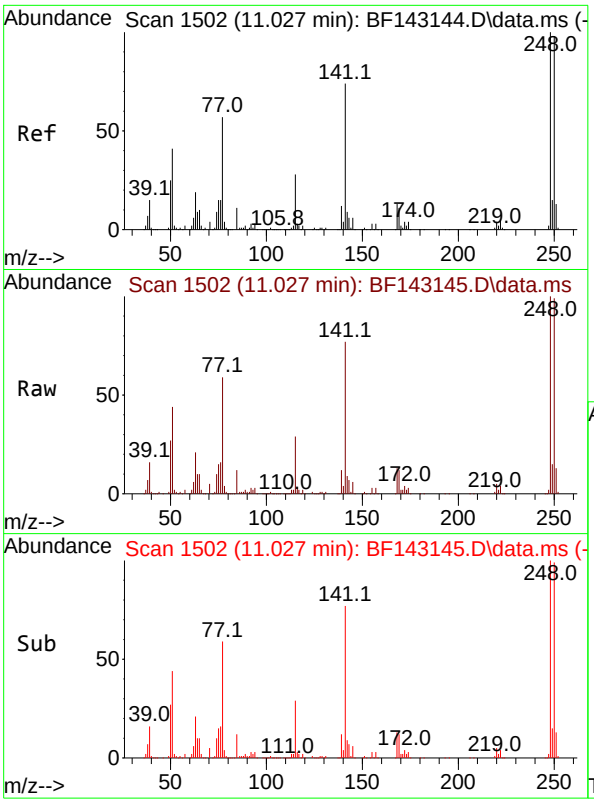


#66
n-Nitrosodiphenylamine
Concen: 51.540 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



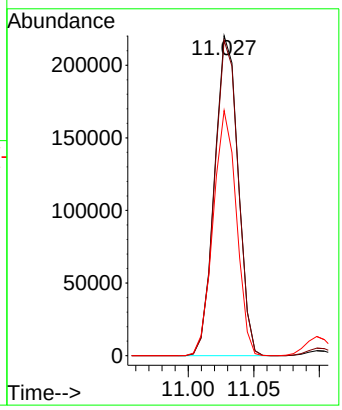


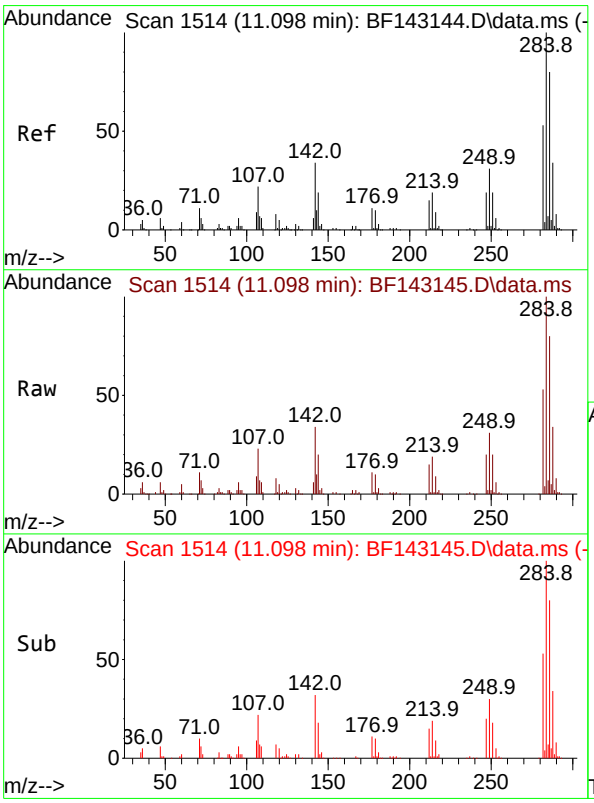
#67
4-Bromophenyl-phenylether
Concen: 51.741 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

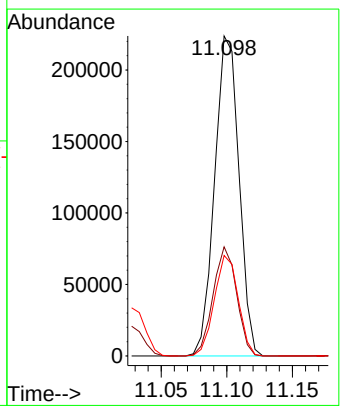


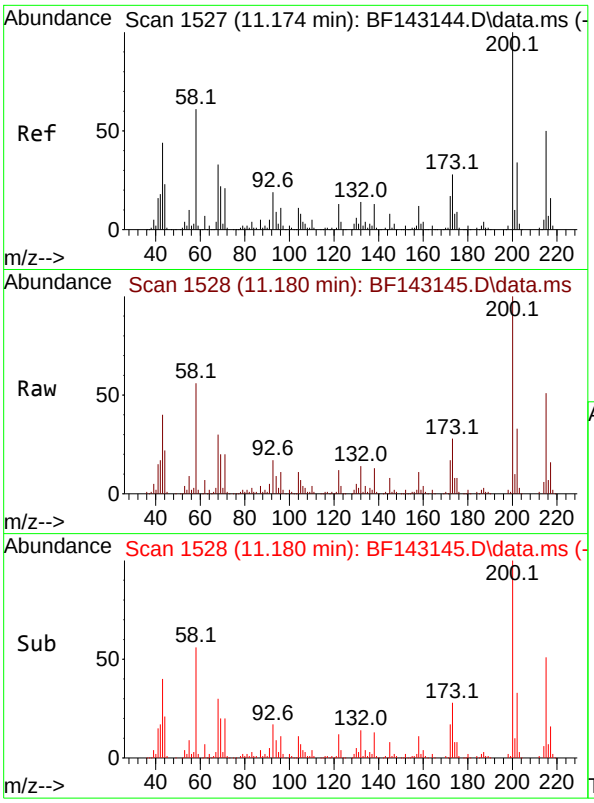


#68
Hexachlorobenzene
Concen: 51.788 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



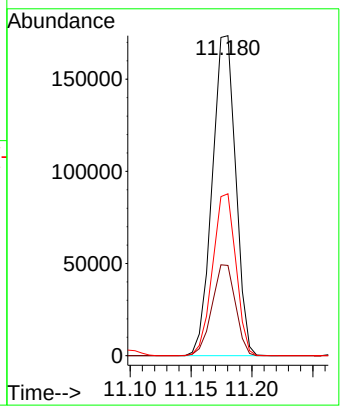


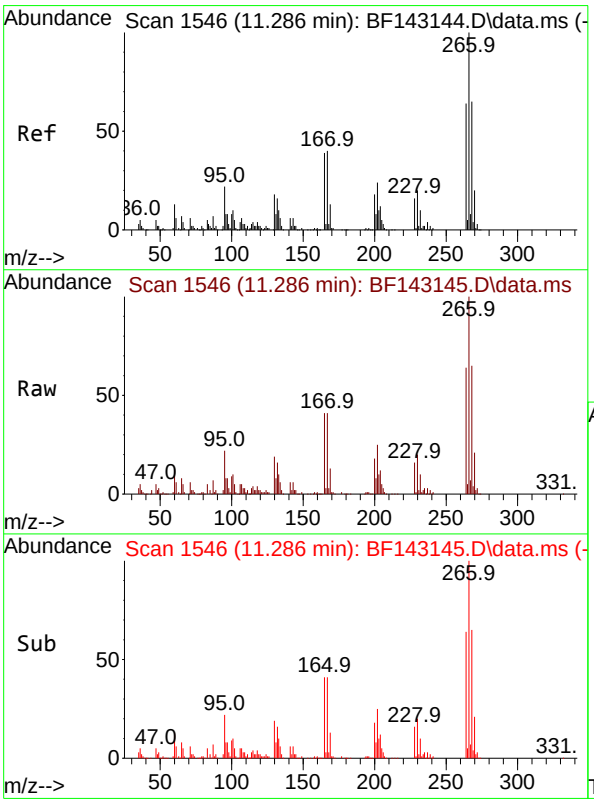
#69
Atrazine
Concen: 53.662 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

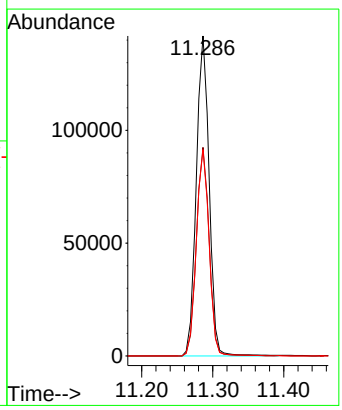


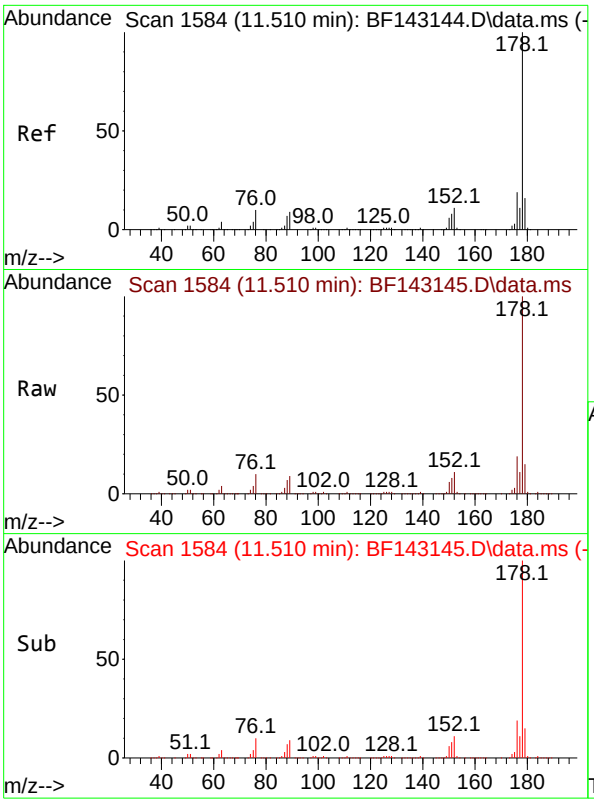


#70
Pentachlorophenol
Concen: 54.581 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



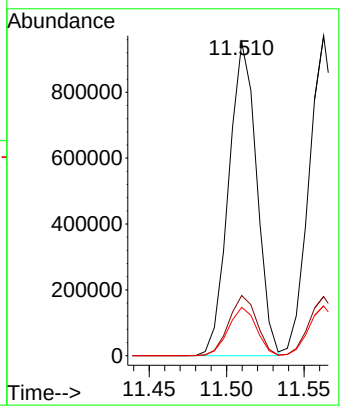


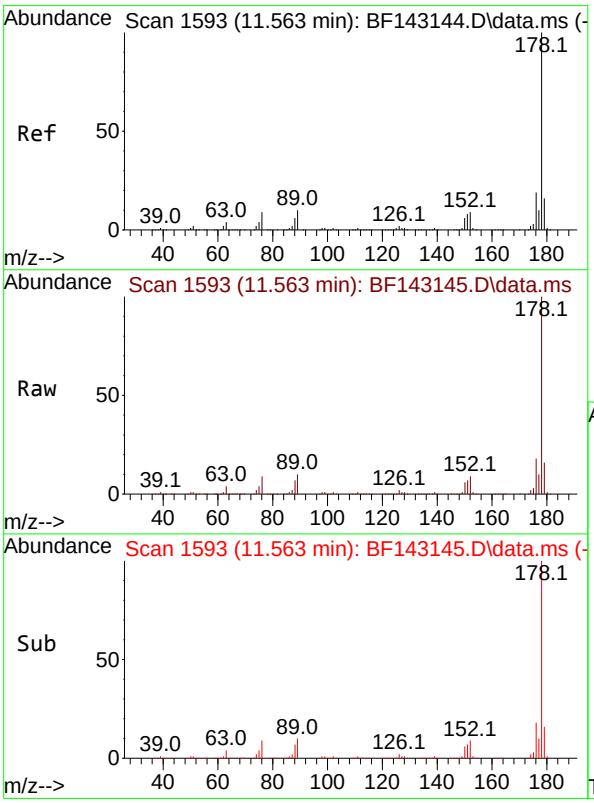
#71
Phenanthrene
Concen: 50.321 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

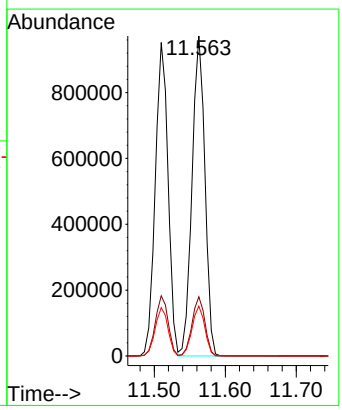


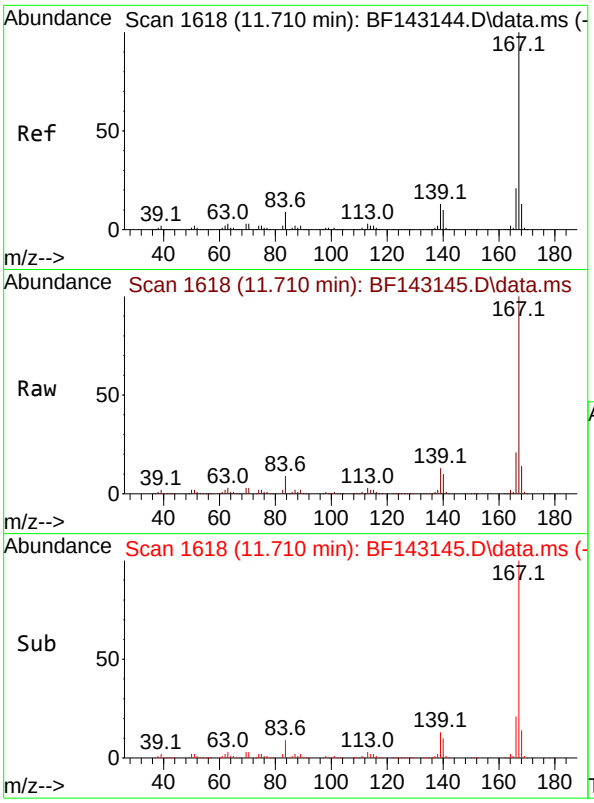


#72
Anthracene
Concen: 50.552 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



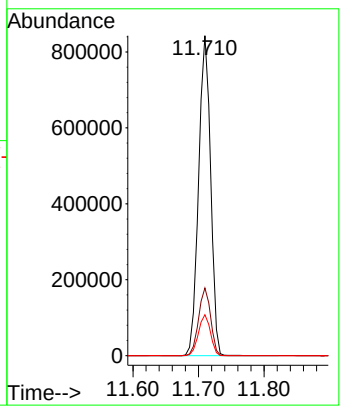


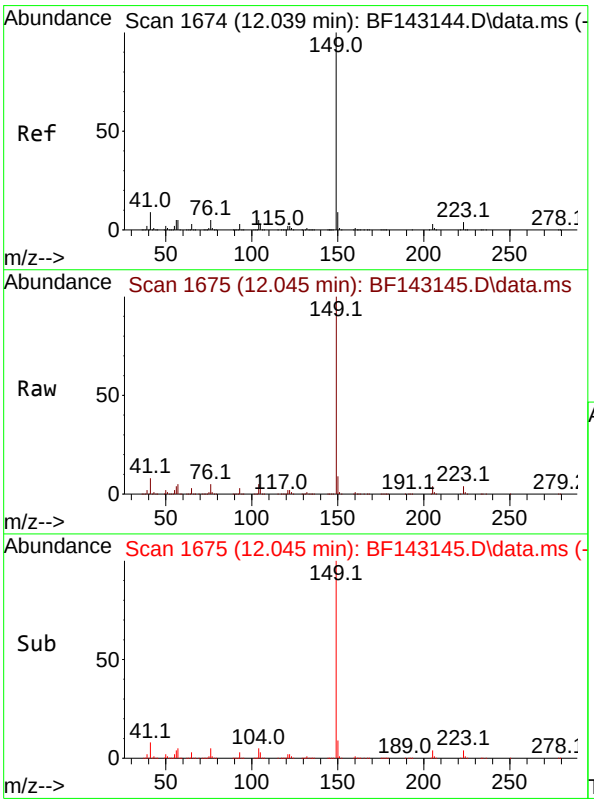
#73
Carbazole
Concen: 50.934 ng
RT: 11.710 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

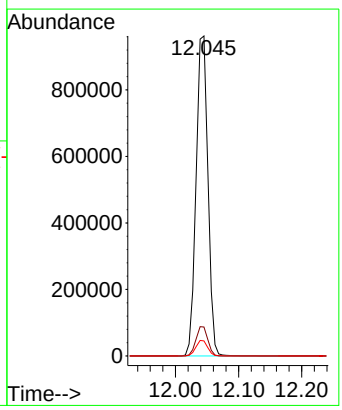


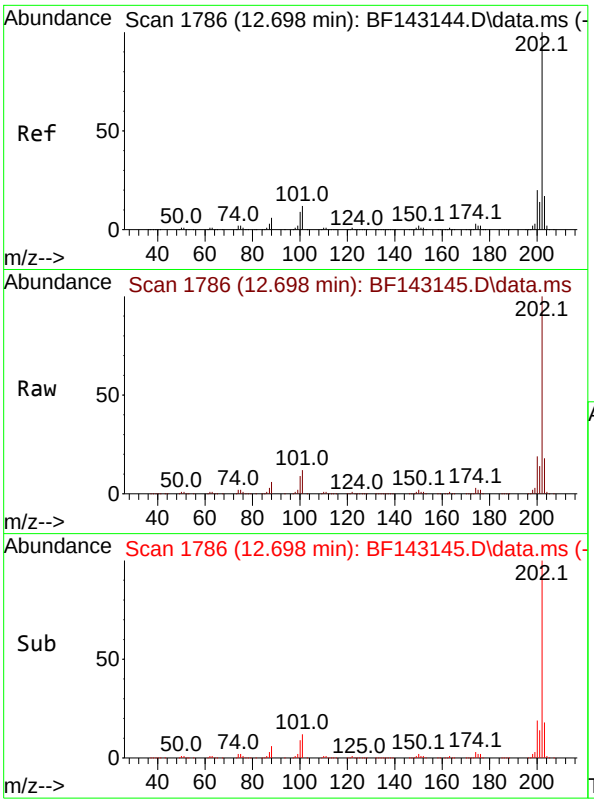


#74
Di-n-butylphthalate
Concen: 52.290 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



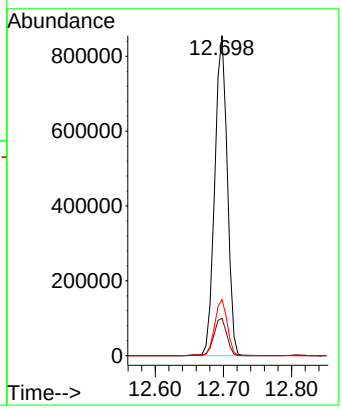


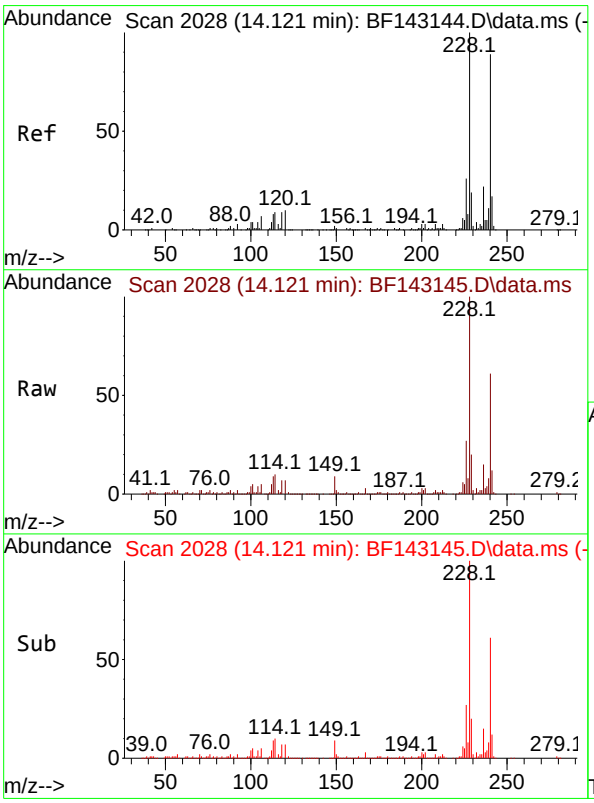
#75
Fluoranthene
Concen: 50.203 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

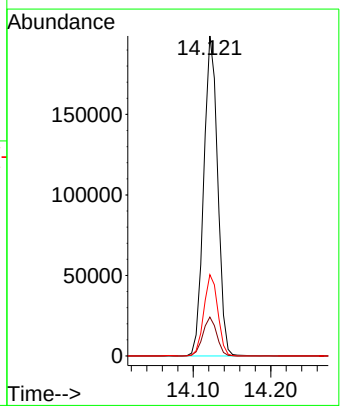


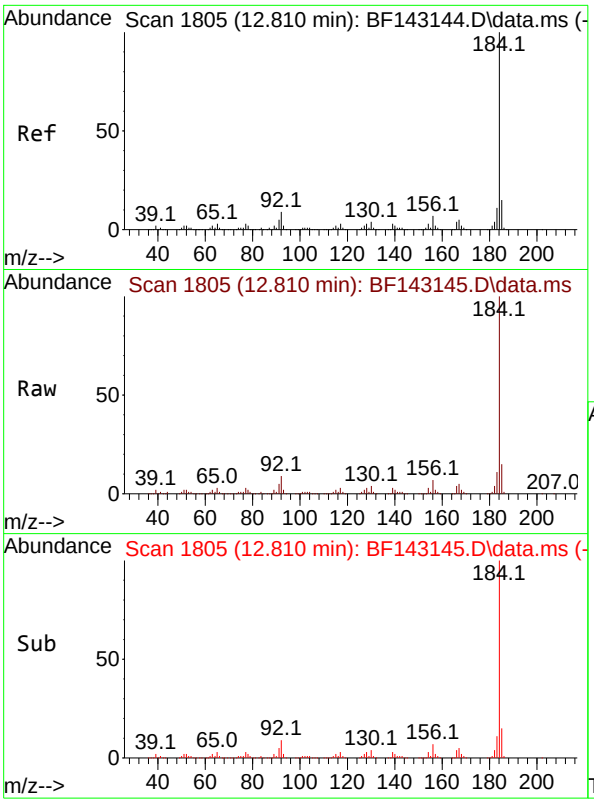


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



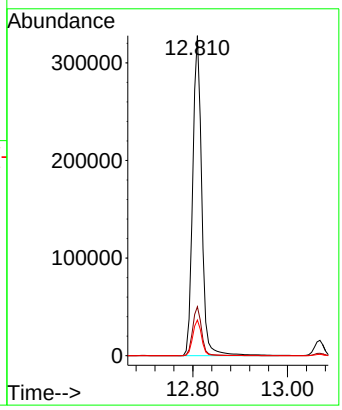


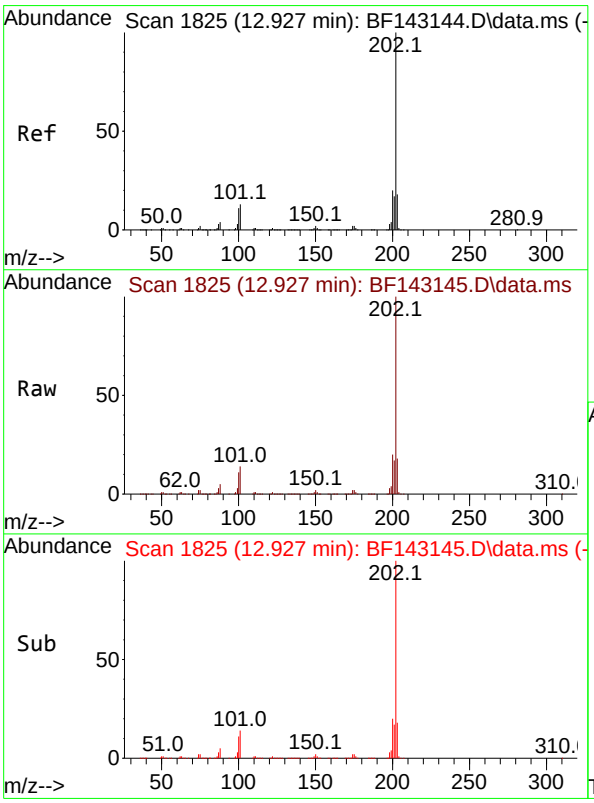
#77
Benzidine
Concen: 45.229 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

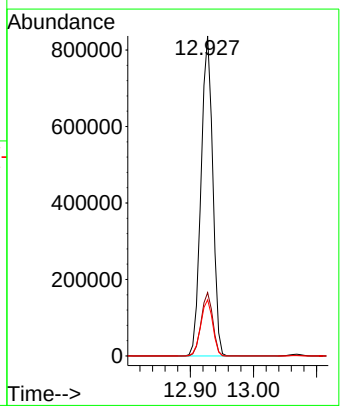


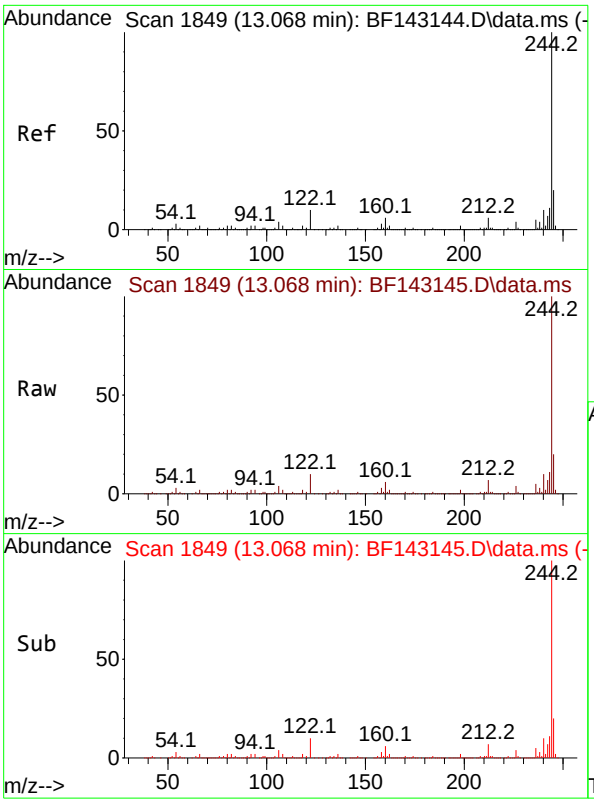


#78
Pyrene
Concen: 50.982 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



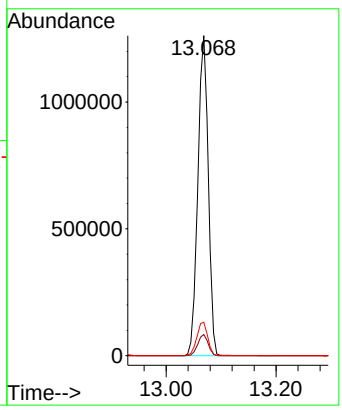


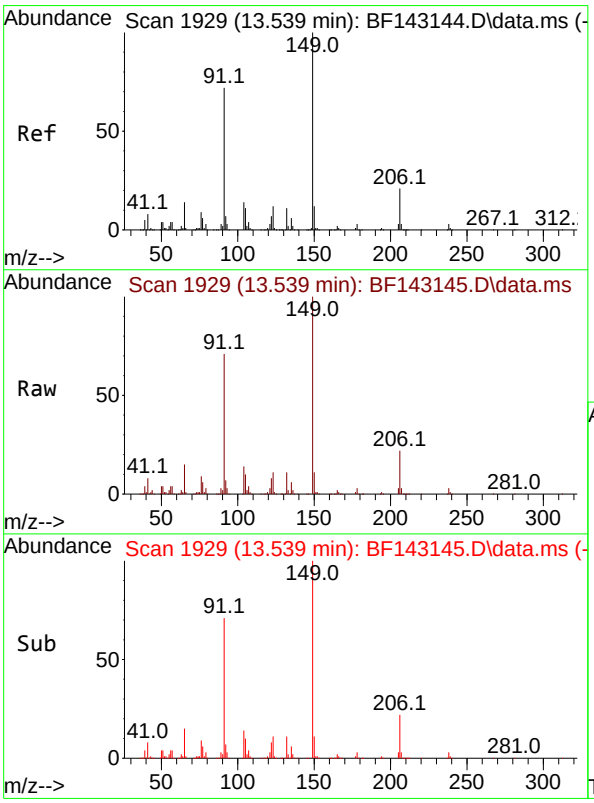
#79
Terphenyl-d14
Concen: 99.838 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

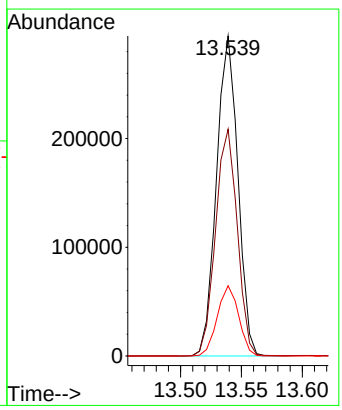


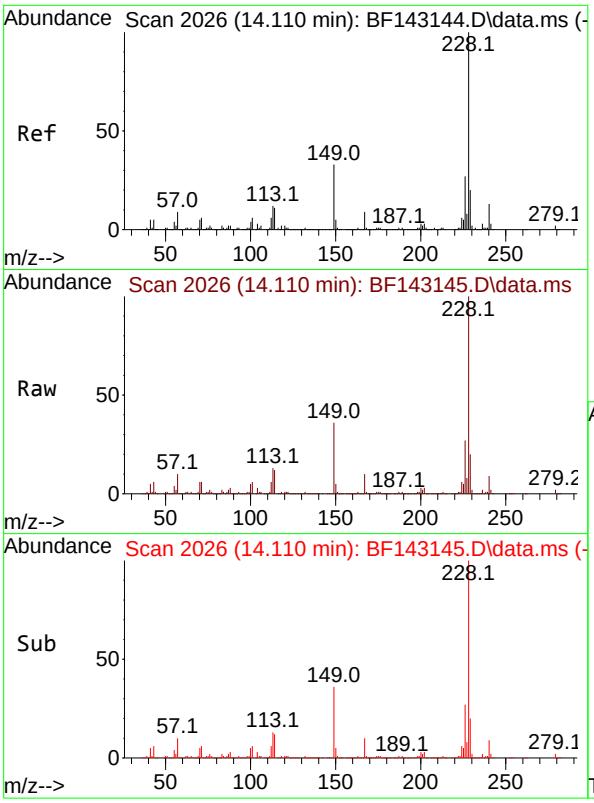


#80
Butylbenzylphthalate
Concen: 55.681 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



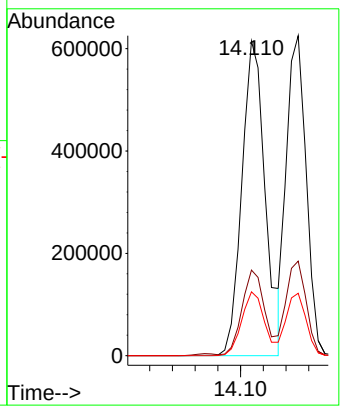


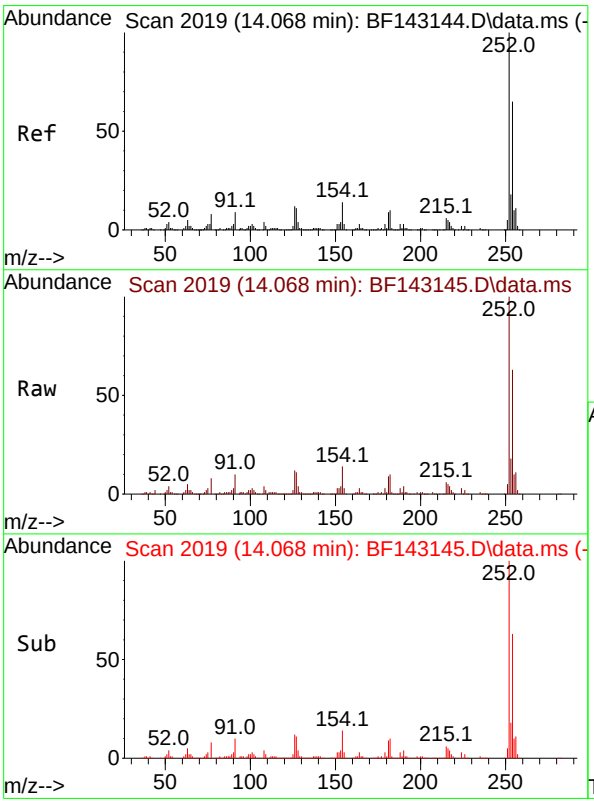
#81
Benzo(a)anthracene
Concen: 53.085 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

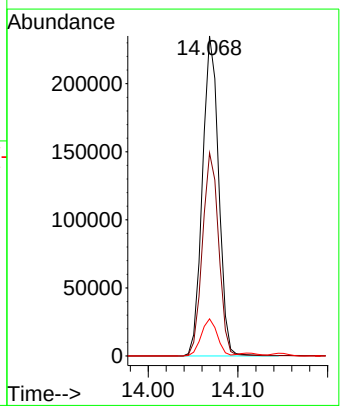


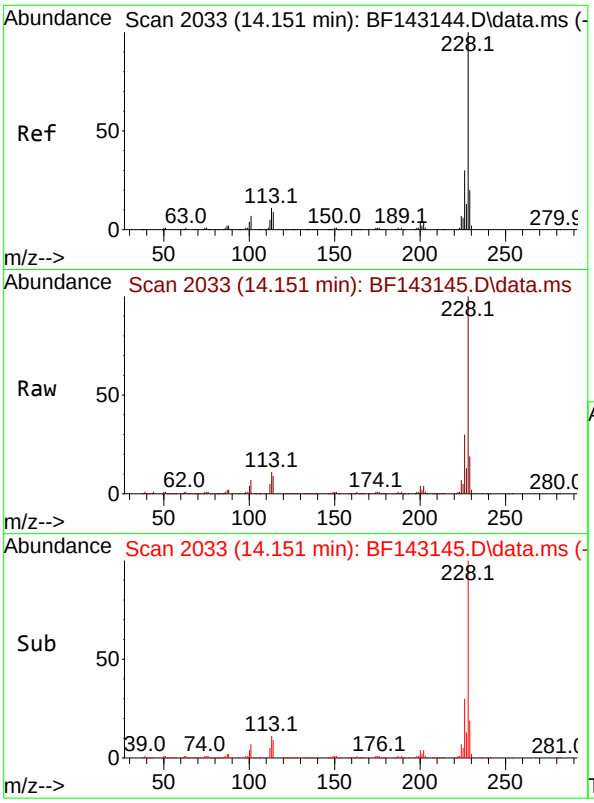


#82
3,3'-Dichlorobenzidine
Concen: 53.305 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



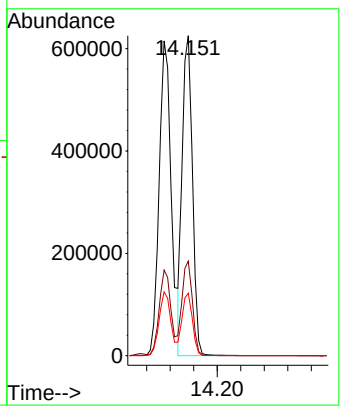


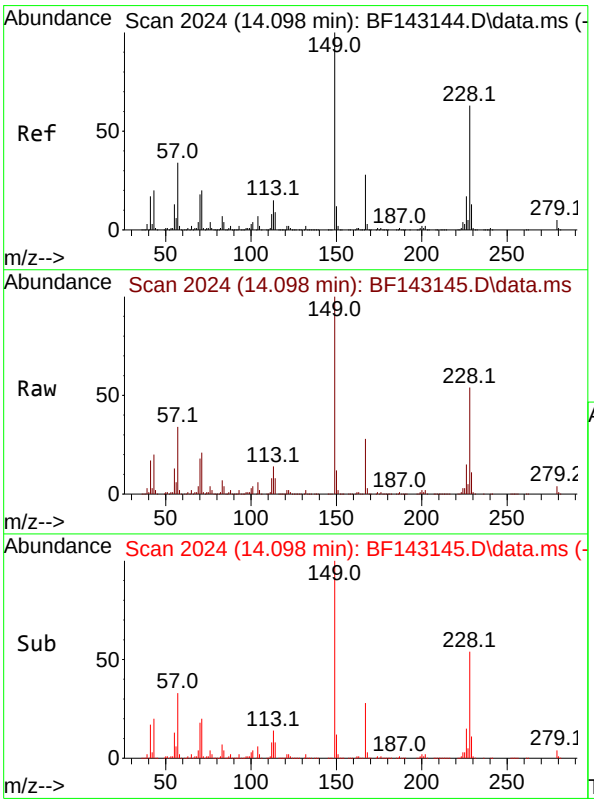
#83
Chrysene
Concen: 50.597 ng
RT: 14.151 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

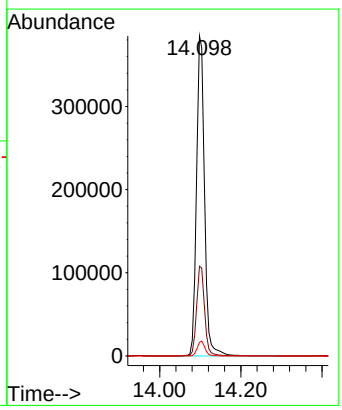


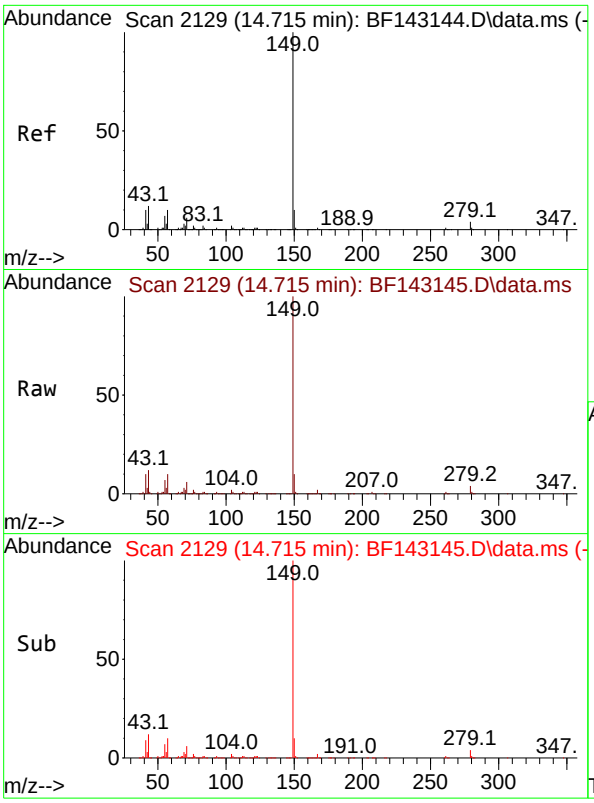


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.475 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



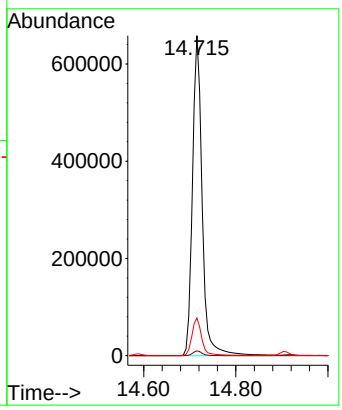


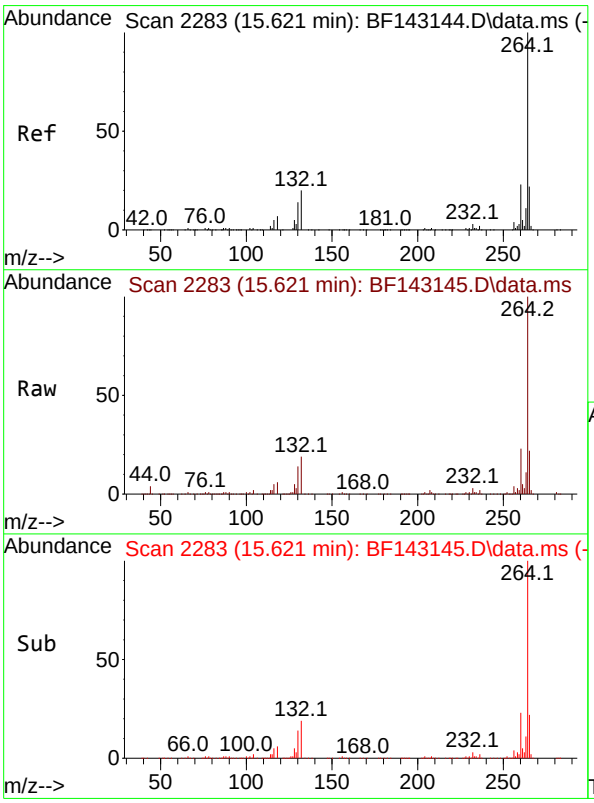
#85
Di-n-octyl phthalate
Concen: 54.032 ng
RT: 14.715 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

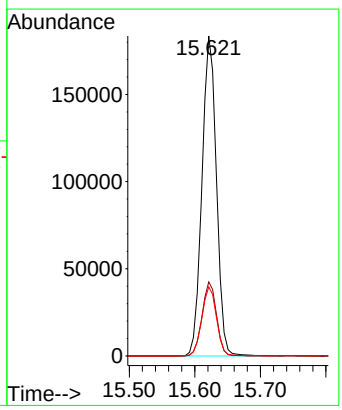


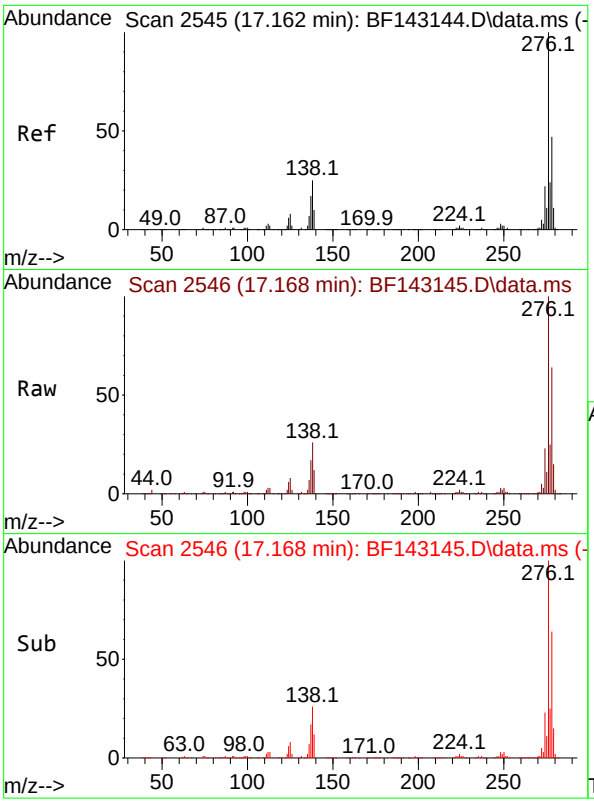


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



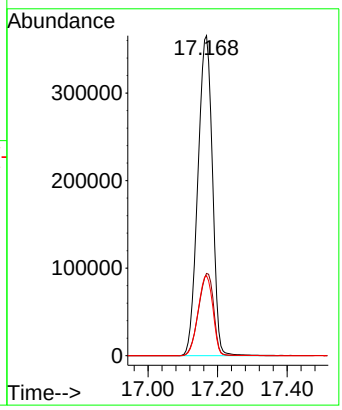


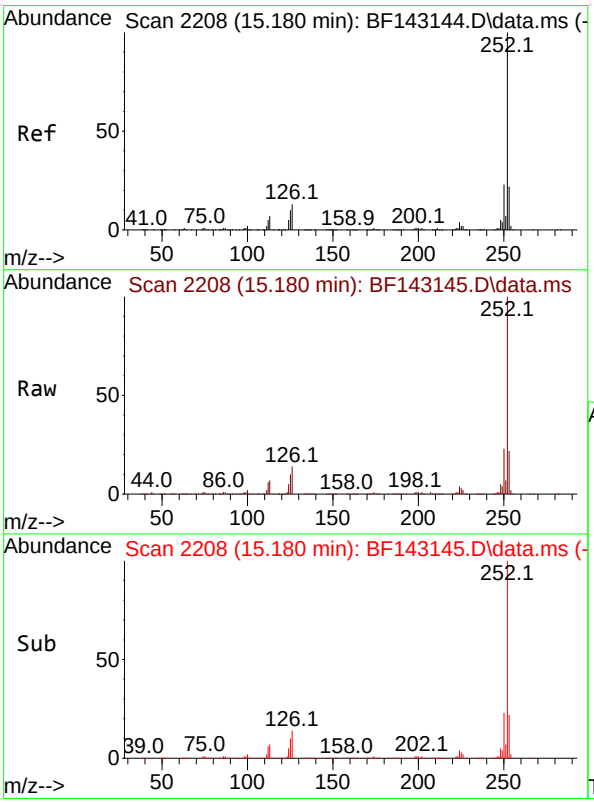
#87
Indeno(1,2,3-cd)pyrene
Concen: 53.347 ng
RT: 17.168 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

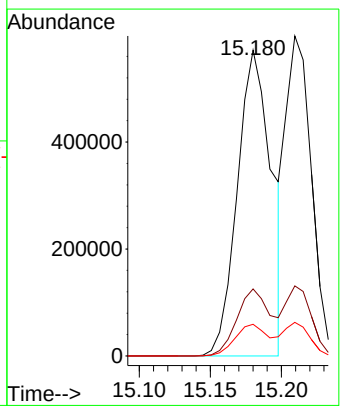


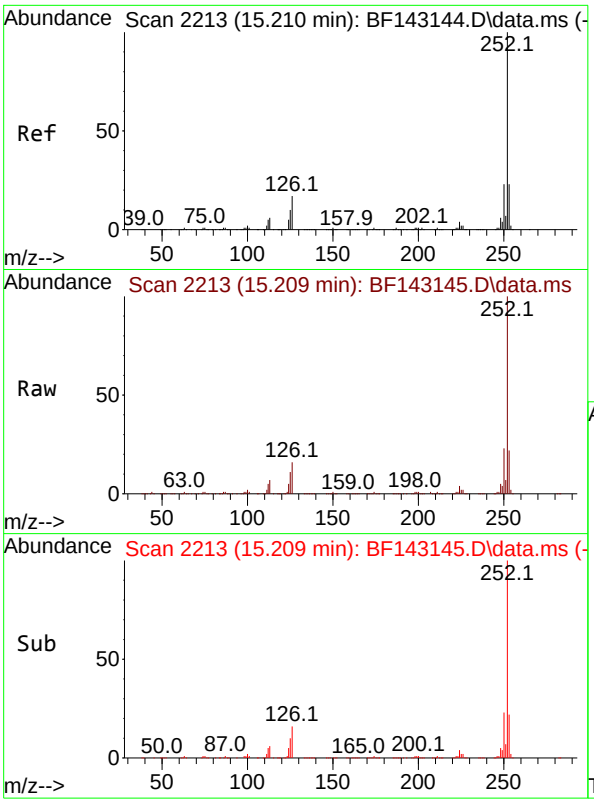


#88
Benzo(b)fluoranthene
Concen: 55.319 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



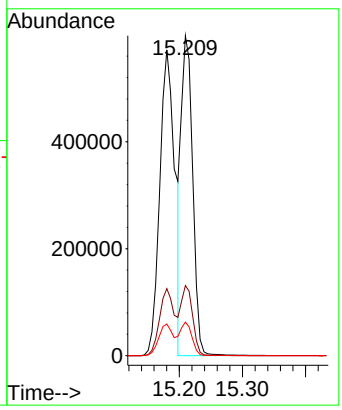


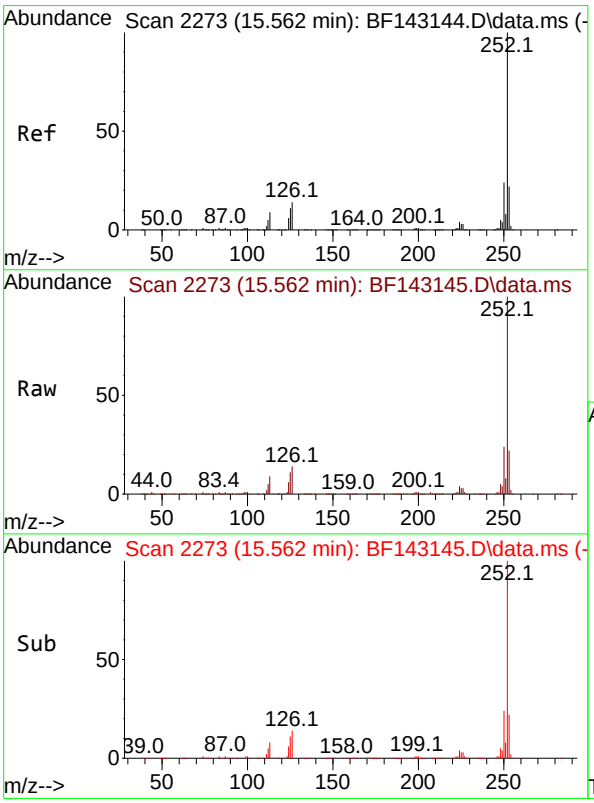
#89
Benzo(k)fluoranthene
Concen: 49.024 ng
RT: 15.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

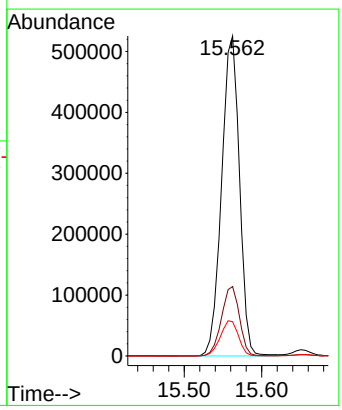


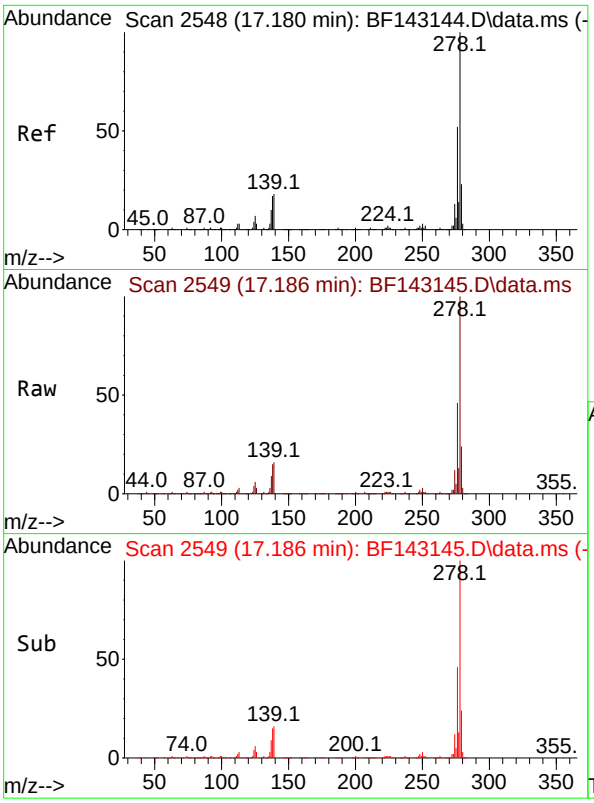


#90
Benzo(a)pyrene
Concen: 52.928 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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



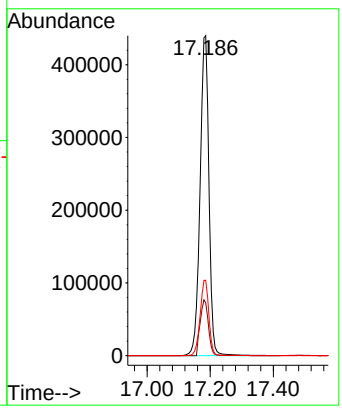


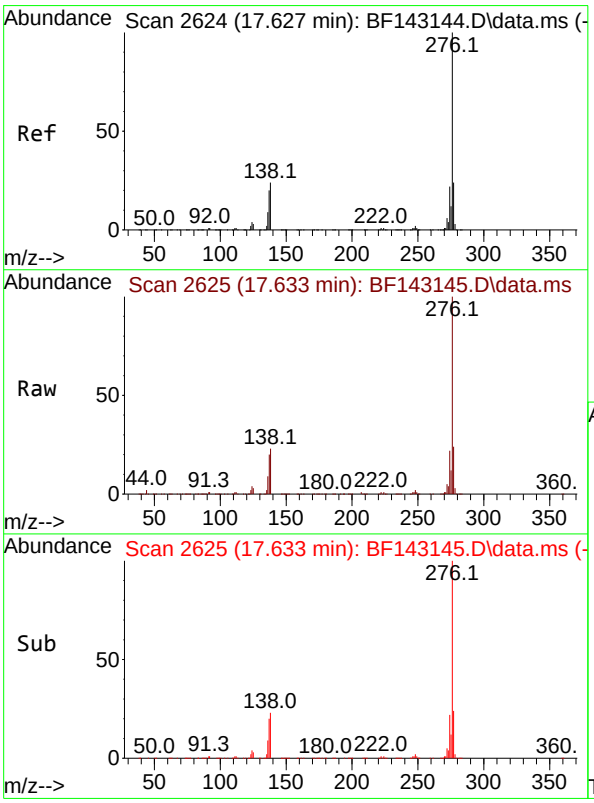
#91
Dibenzo(a,h)anthracene
Concen: 53.172 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

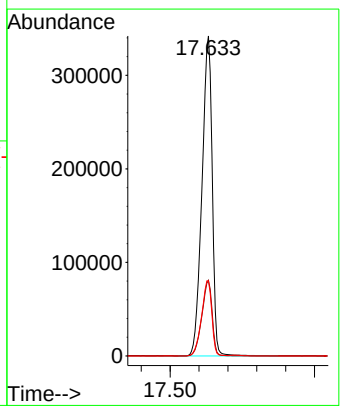




#92
Benzo(g,h,i)perylene
Concen: 53.845 ng
RT: 17.633 min Scan# 2625
Delta R.T. 0.006 min
Lab File: BF143145.D
Acq: 17 Jul 2025 13:33

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

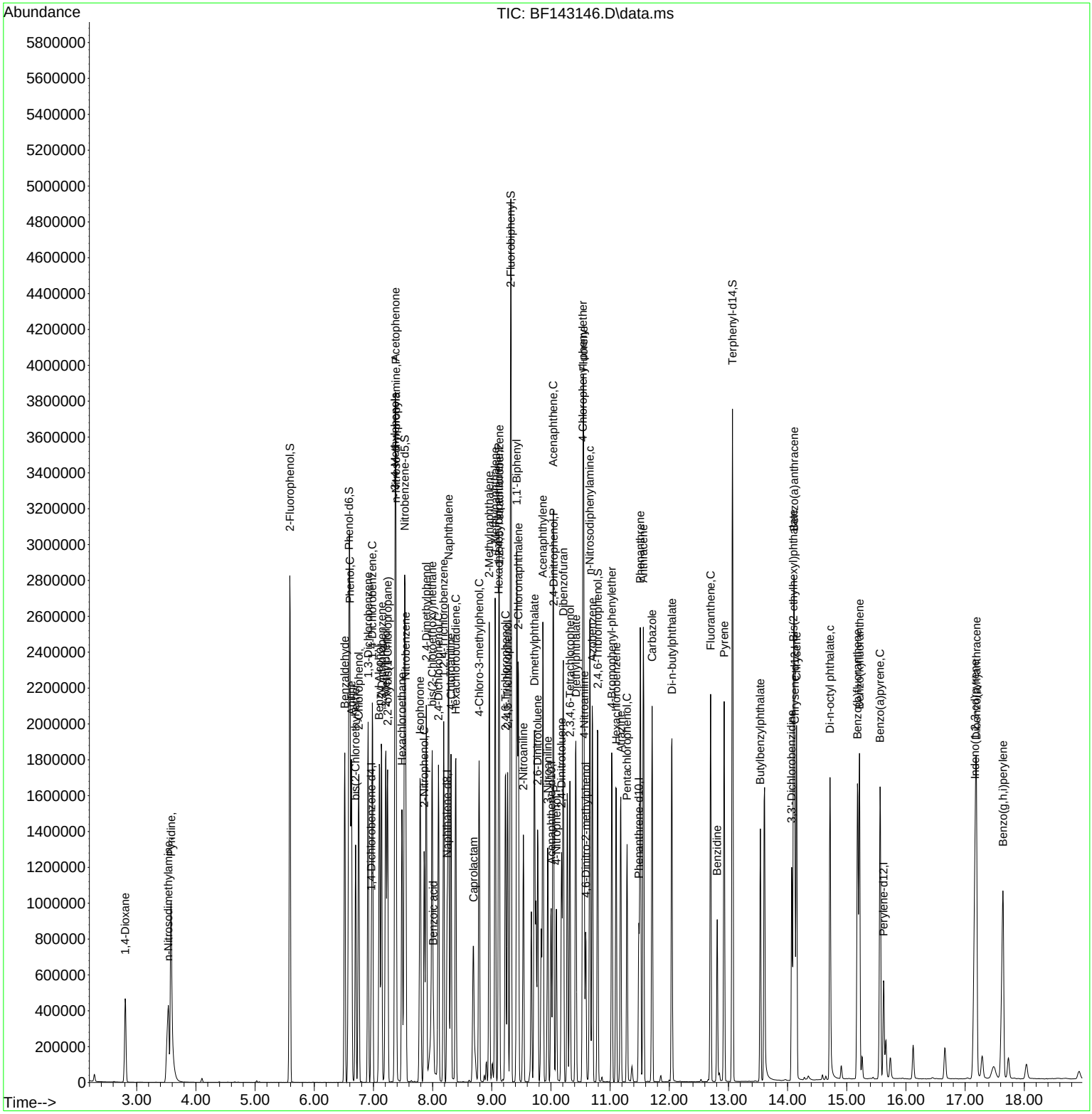
(#) = qualifier out of range (m) = manual integration (+) = signals summed

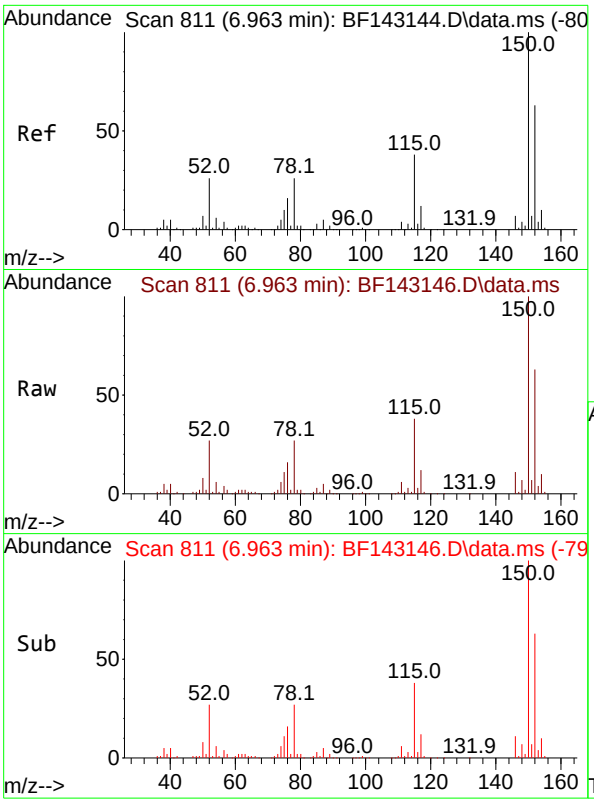
Quantitation Report (Not Reviewed)

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



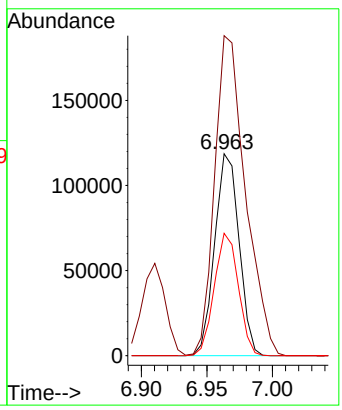


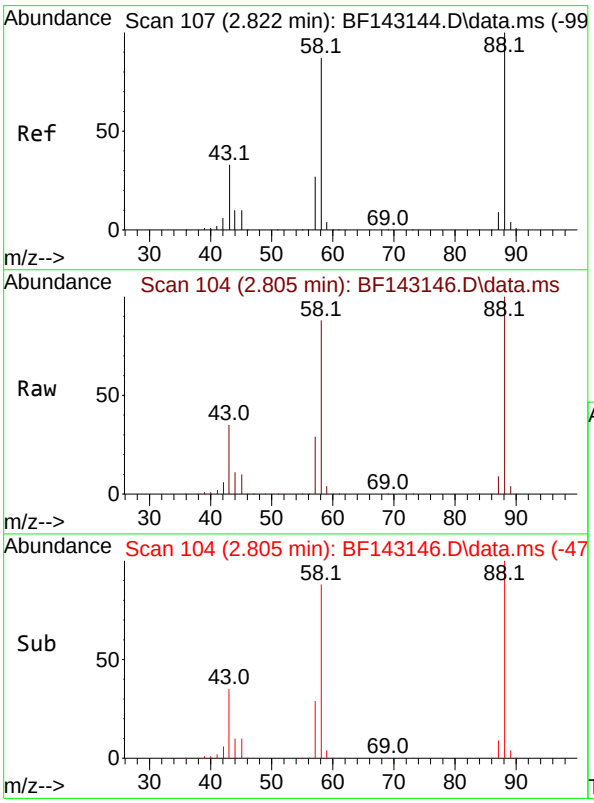
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

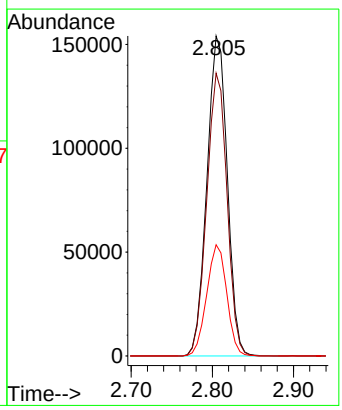


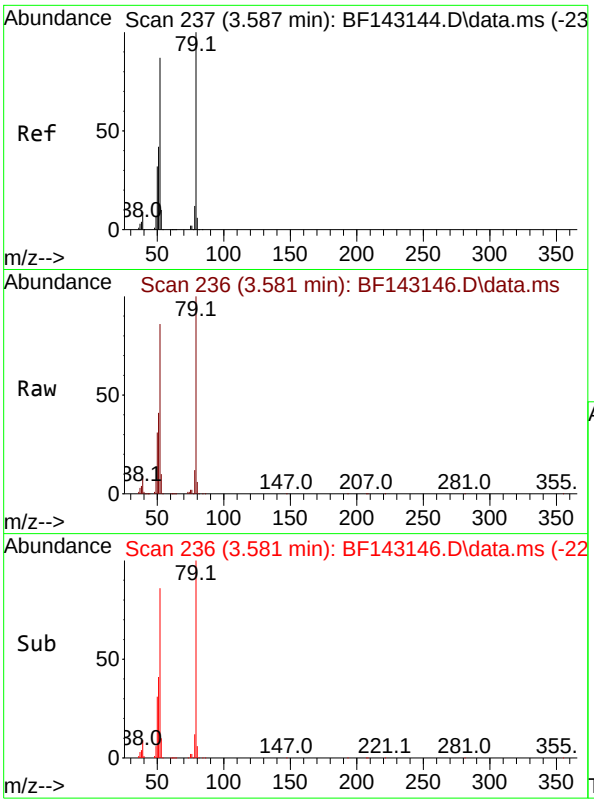


#2
1,4-Dioxane
Concen: 58.635 ng
RT: 2.805 min Scan# 104
Delta R.T. -0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



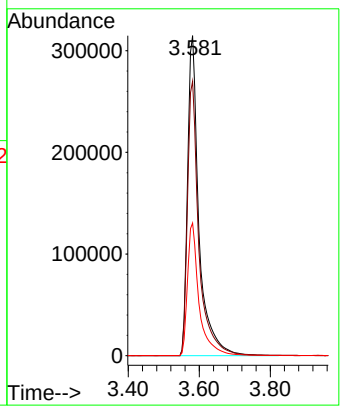


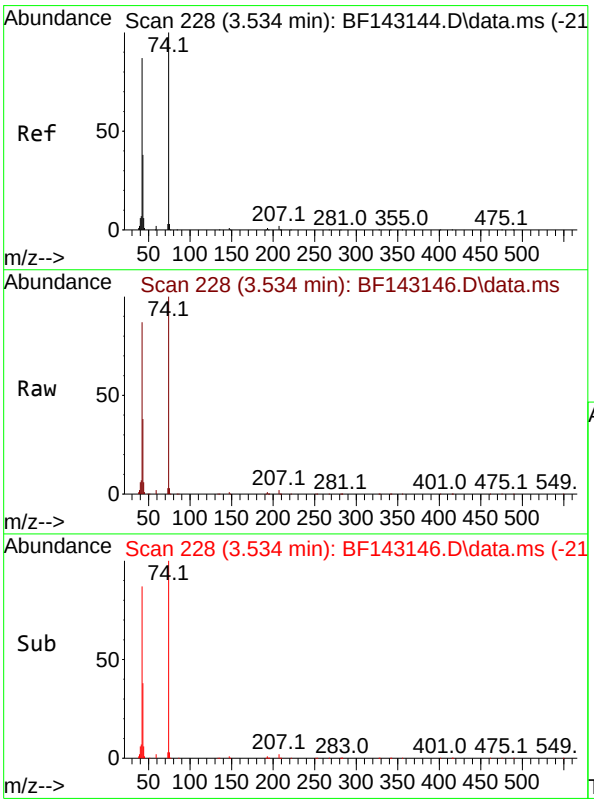
#3
Pyridine
Concen: 58.965 ng
RT: 3.581 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

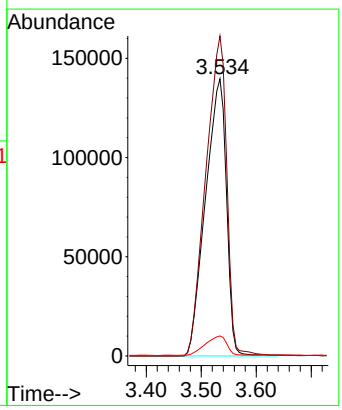


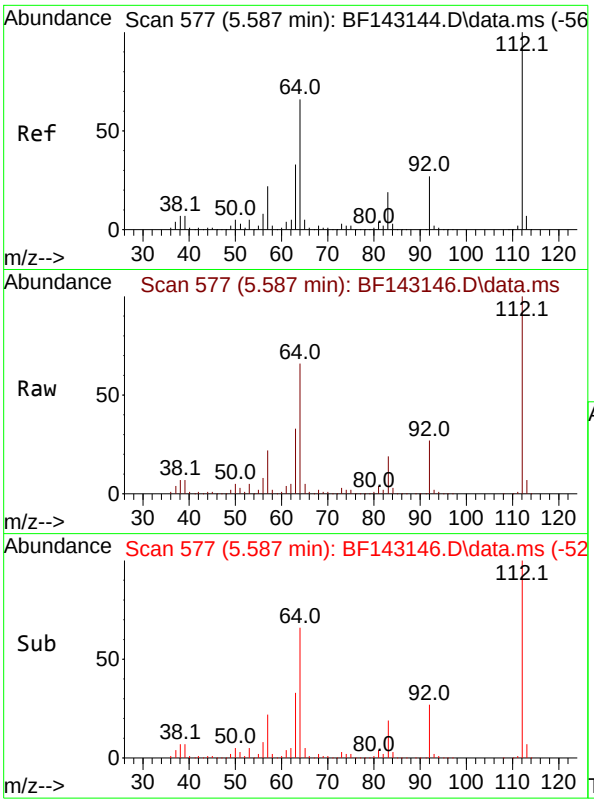


#4
n-Nitrosodimethylamine
Concen: 60.203 ng
RT: 3.534 min Scan# 228
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



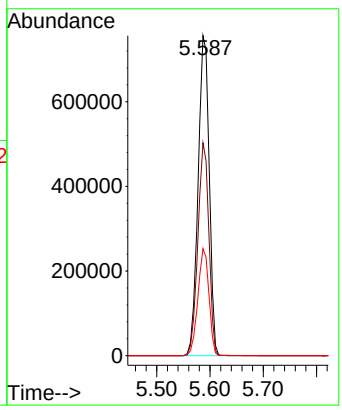


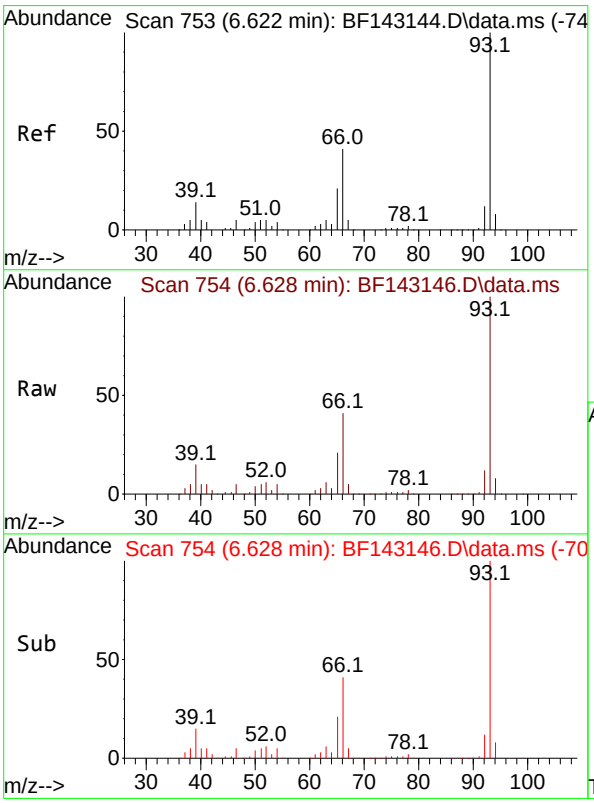
#5
2-Fluorophenol
Concen: 113.327 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

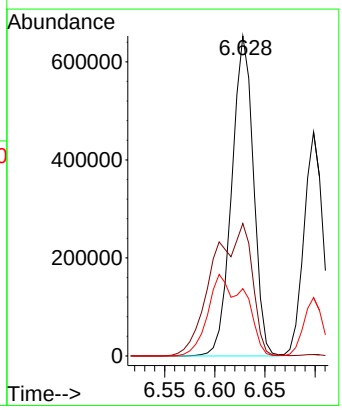


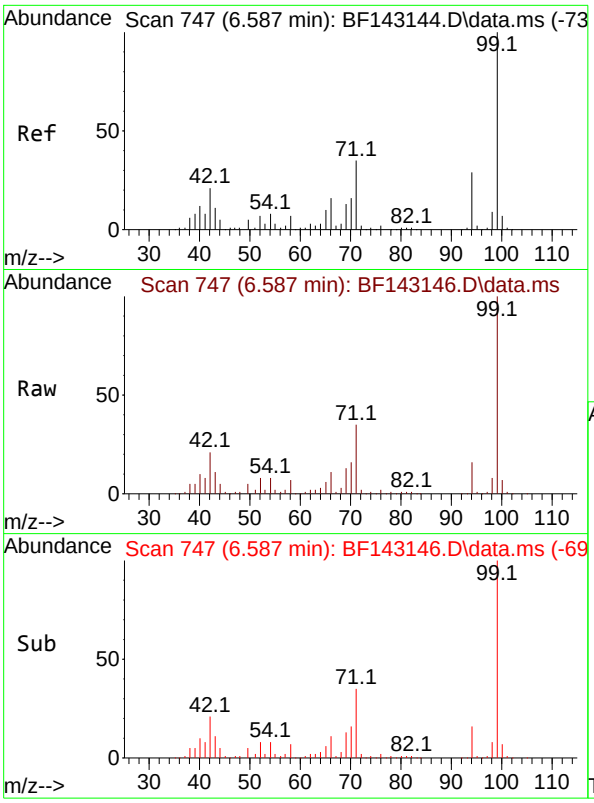


#6
Aniline
Concen: 57.896 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



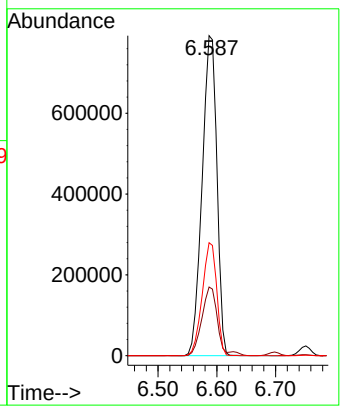


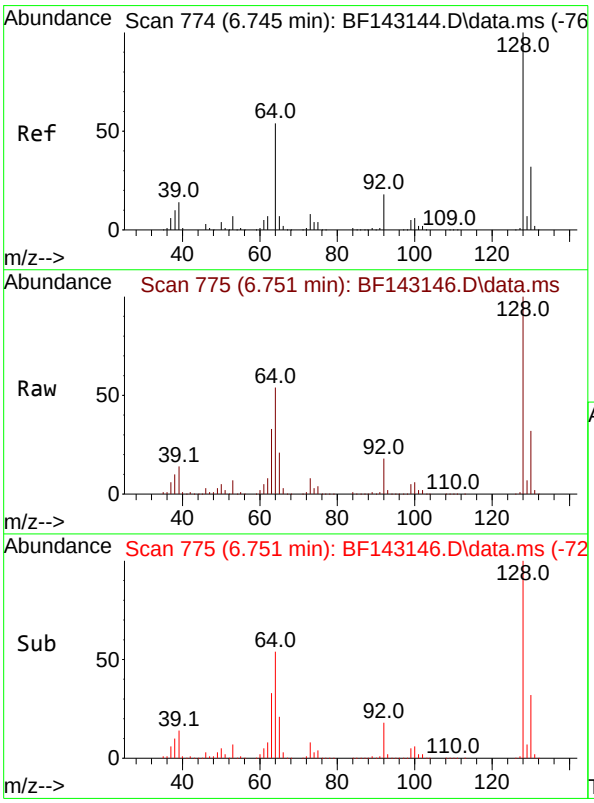
#7
Phenol-d6
Concen: 113.616 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

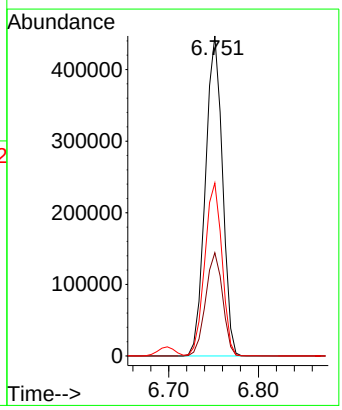


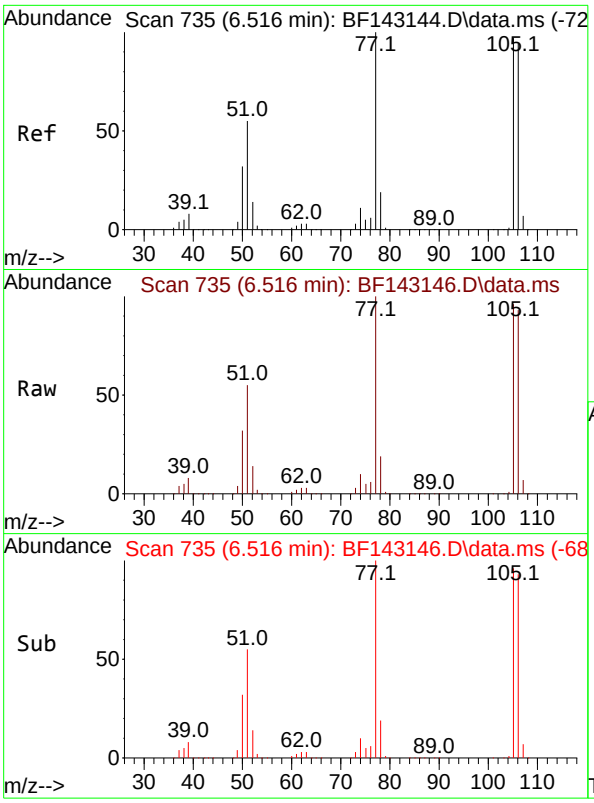


#8
2-Chlorophenol
Concen: 58.147 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



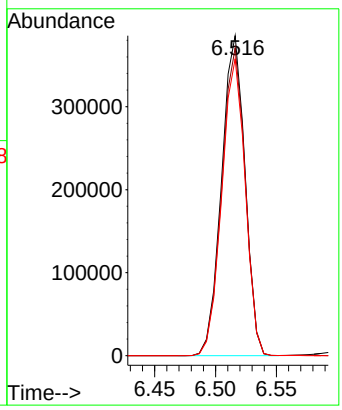


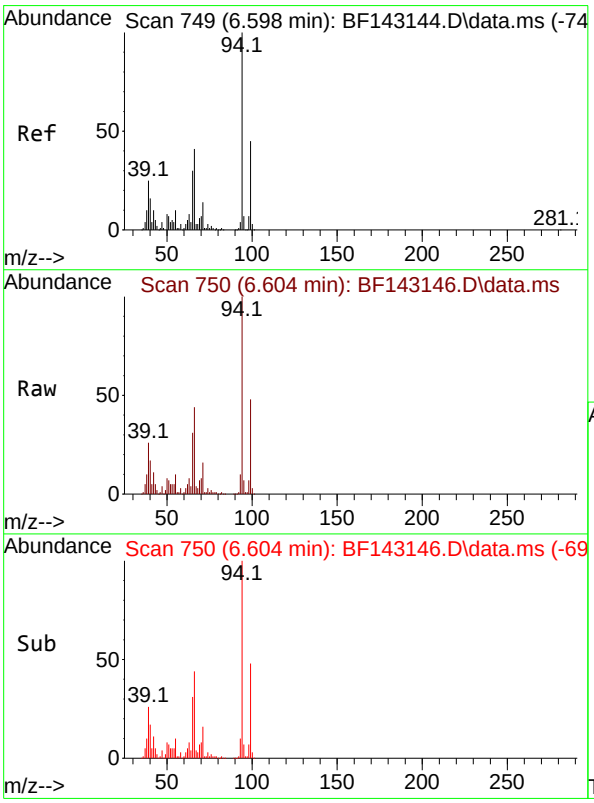
#9
Benzaldehyde
Concen: 56.445 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

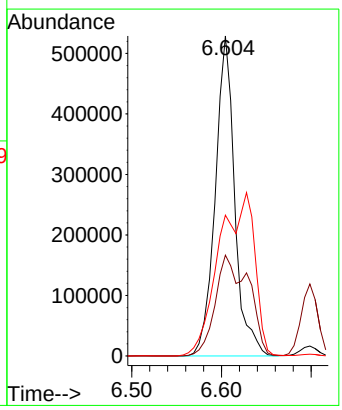


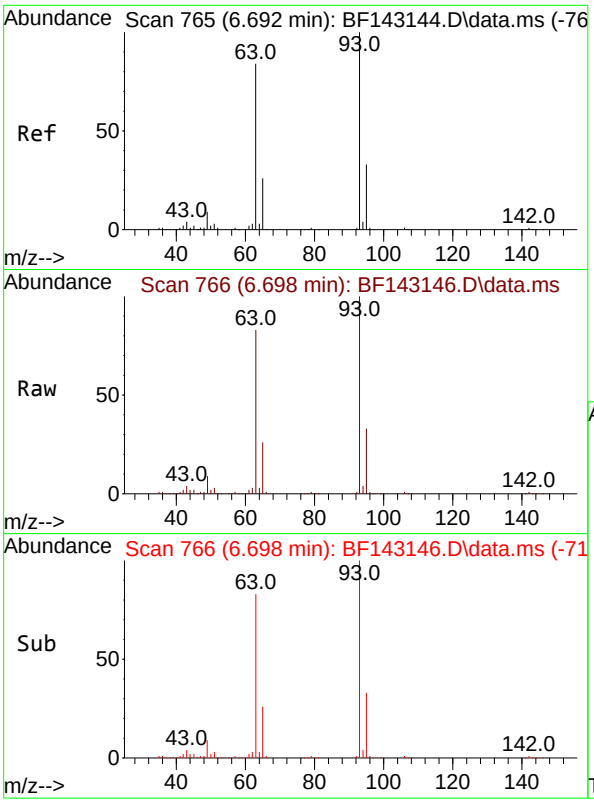


#10
Phenol
Concen: 60.123 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



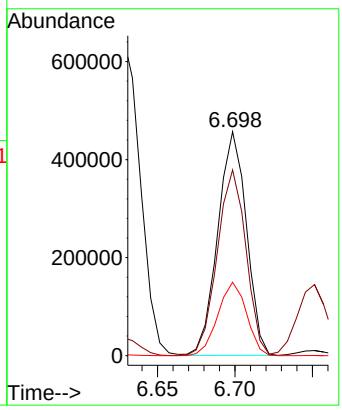


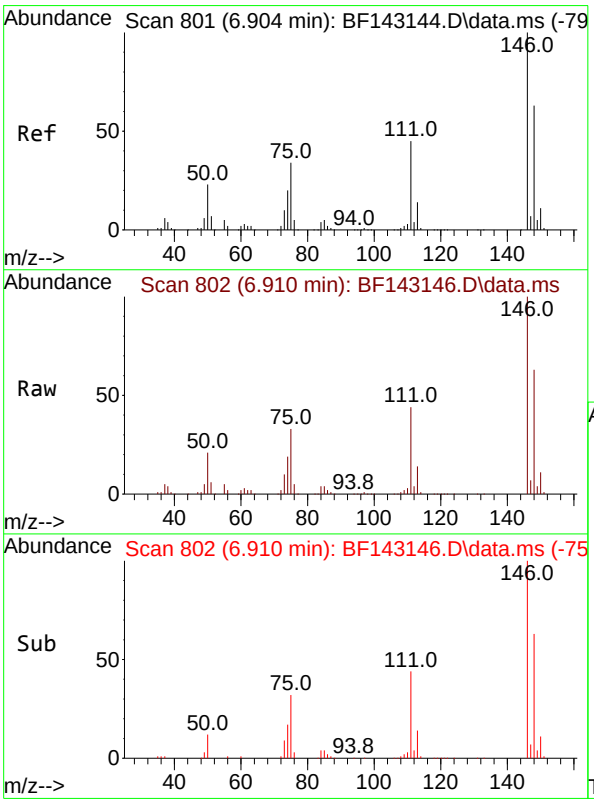
#11
bis(2-Chloroethyl)ether
Concen: 57.918 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

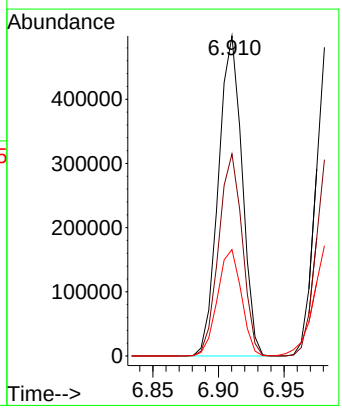


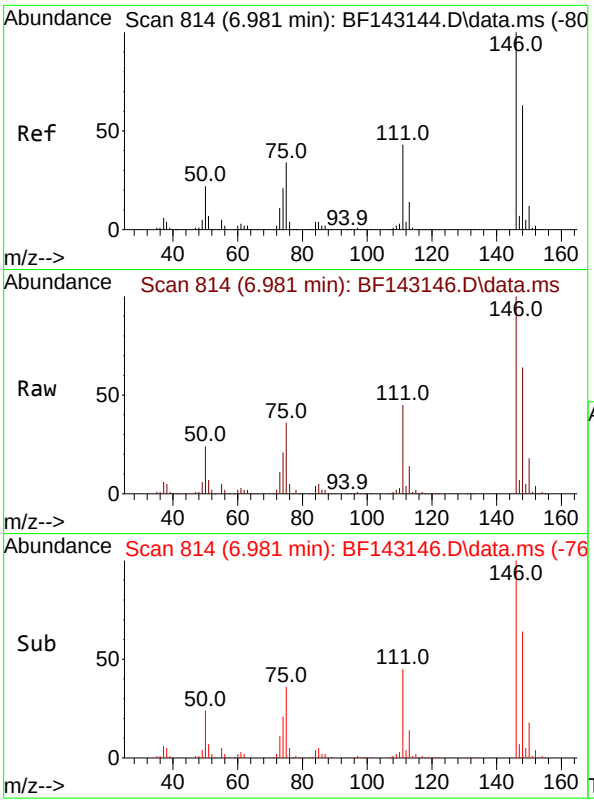


#12
1,3-Dichlorobenzene
Concen: 56.769 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



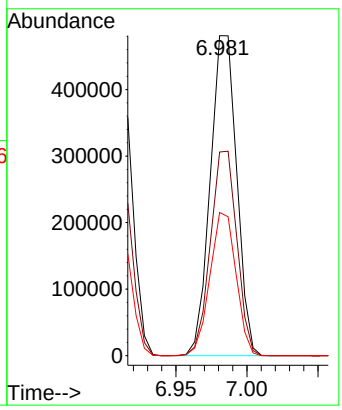


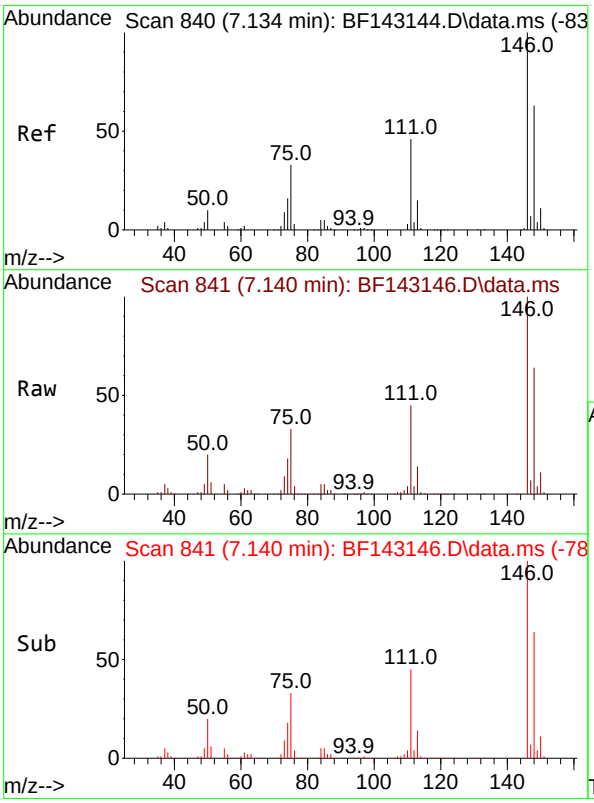
#13
1,4-Dichlorobenzene
Concen: 56.171 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

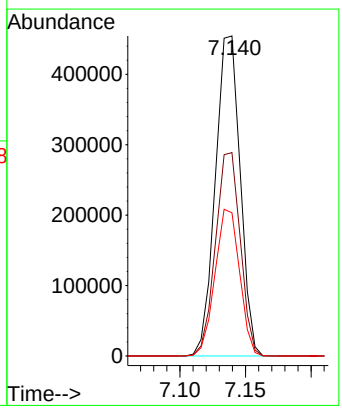


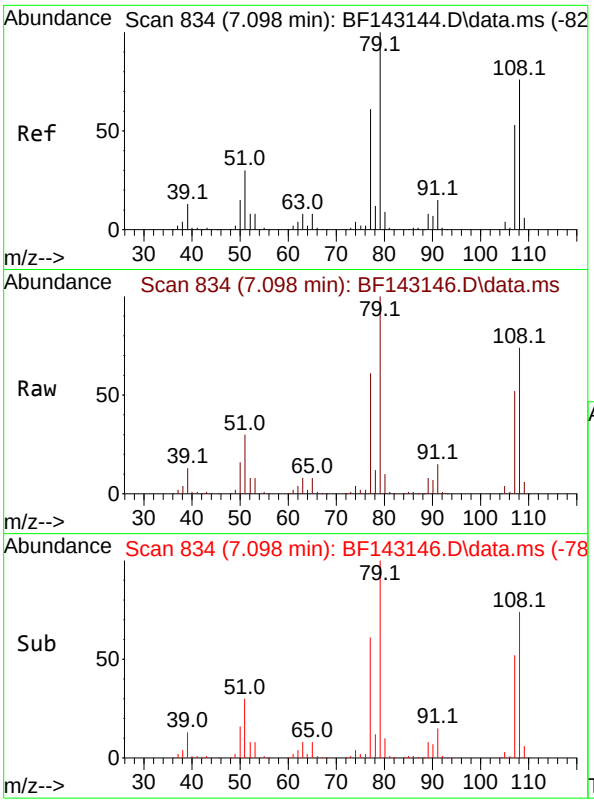


#14
1,2-Dichlorobenzene
Concen: 56.708 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



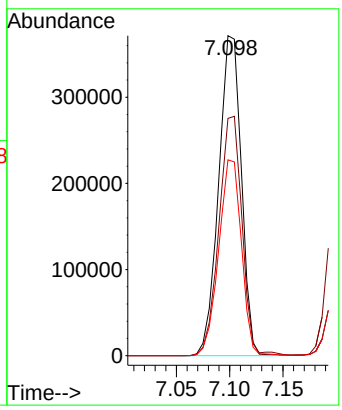


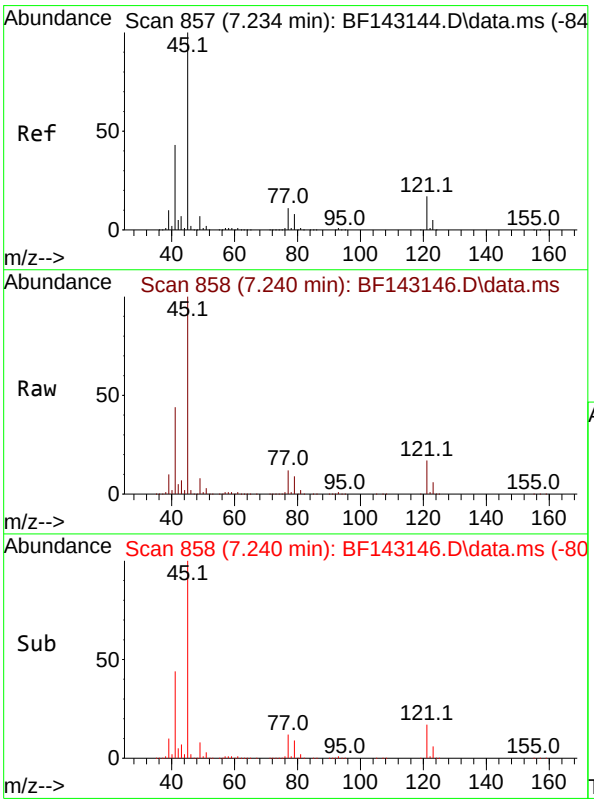
#15
Benzyl Alcohol
Concen: 58.934 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

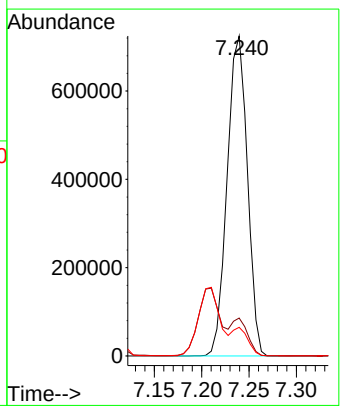


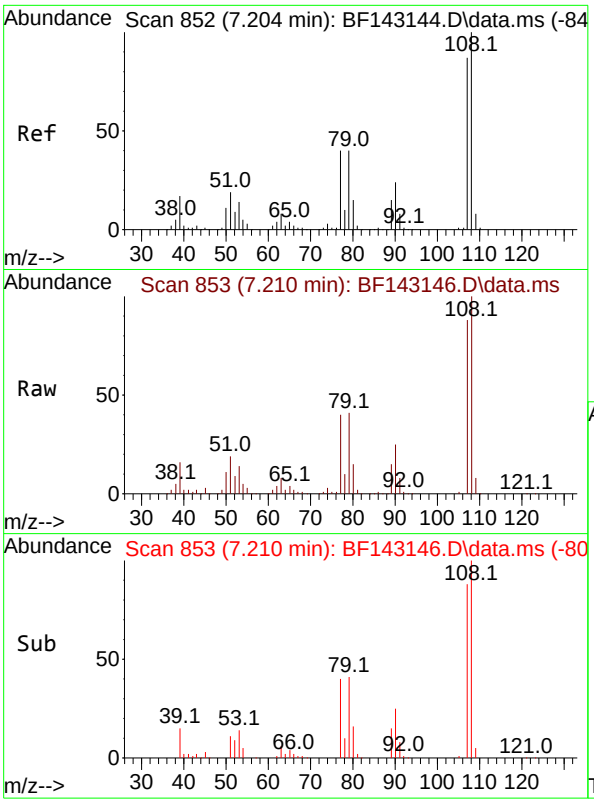


#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.120 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



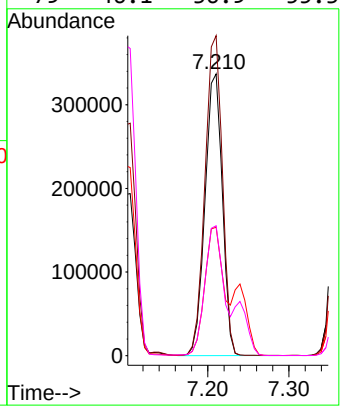


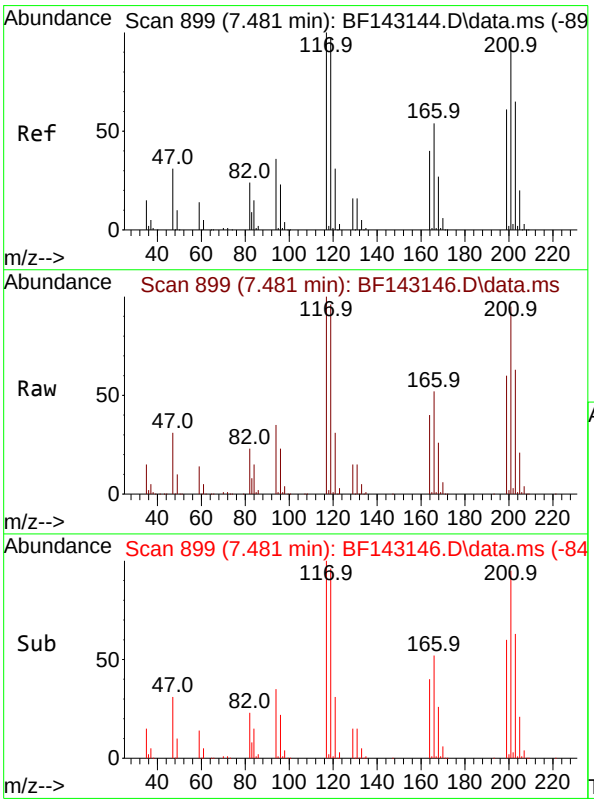
#17
2-Methylphenol
Concen: 58.393 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

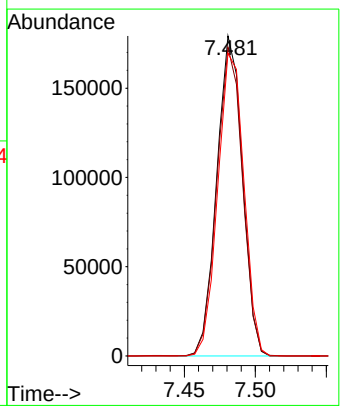


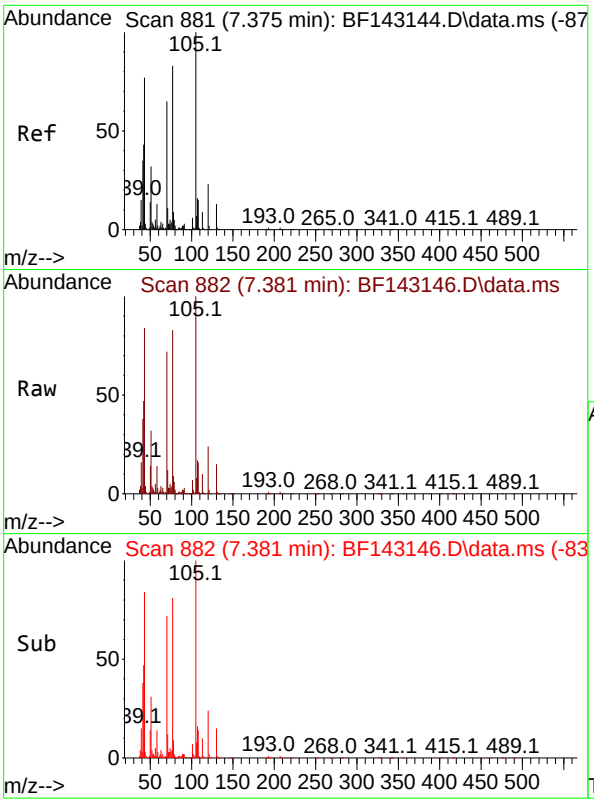


#18
Hexachloroethane
Concen: 58.691 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



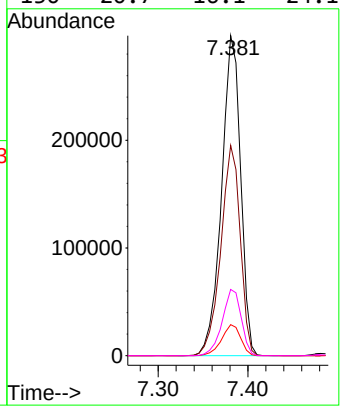


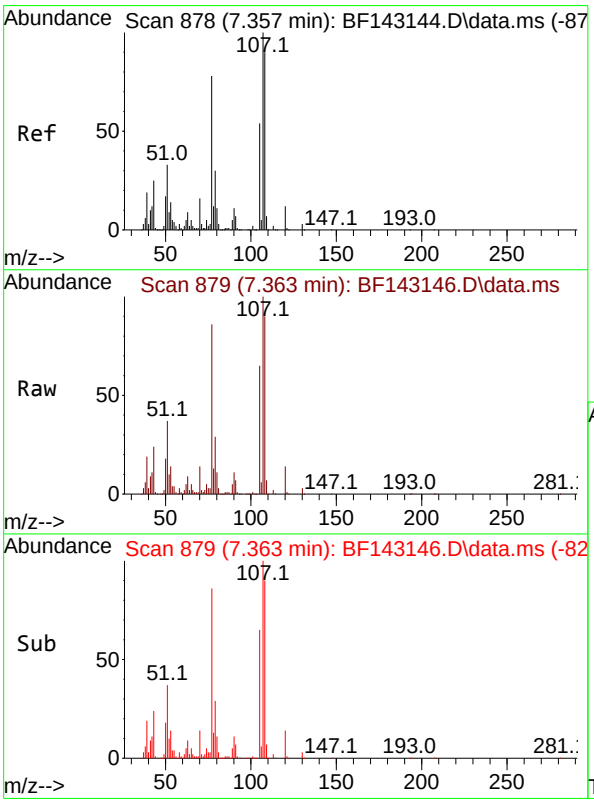
#19
n-Nitroso-di-n-propylamine
Concen: 56.012 ng
RT: 7.381 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

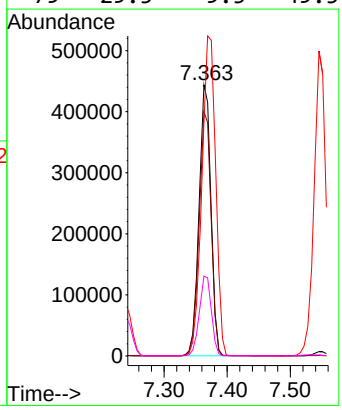


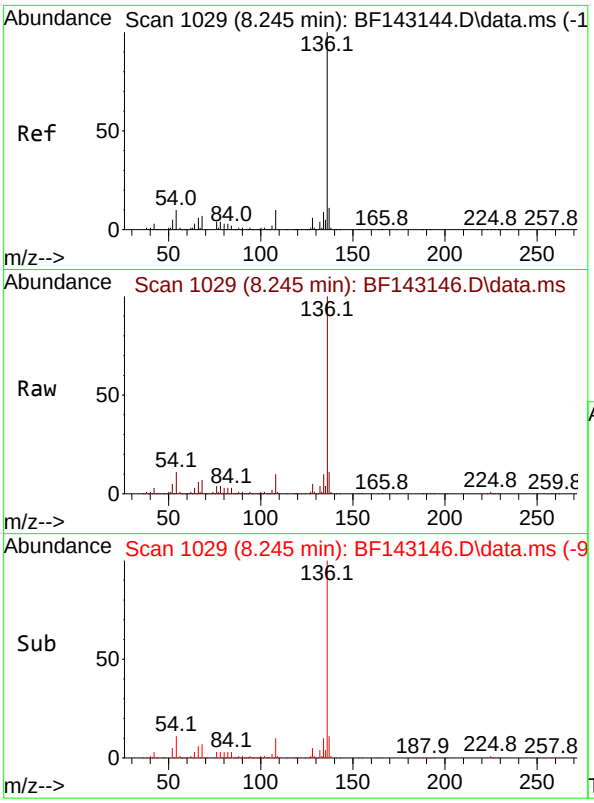


#20
3+4-Methylphenols
Concen: 56.273 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



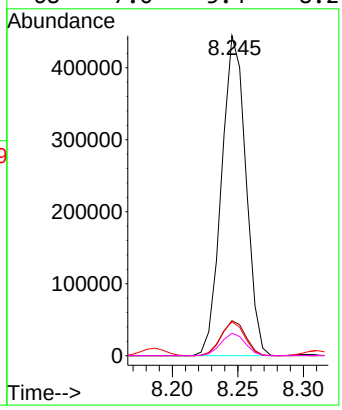


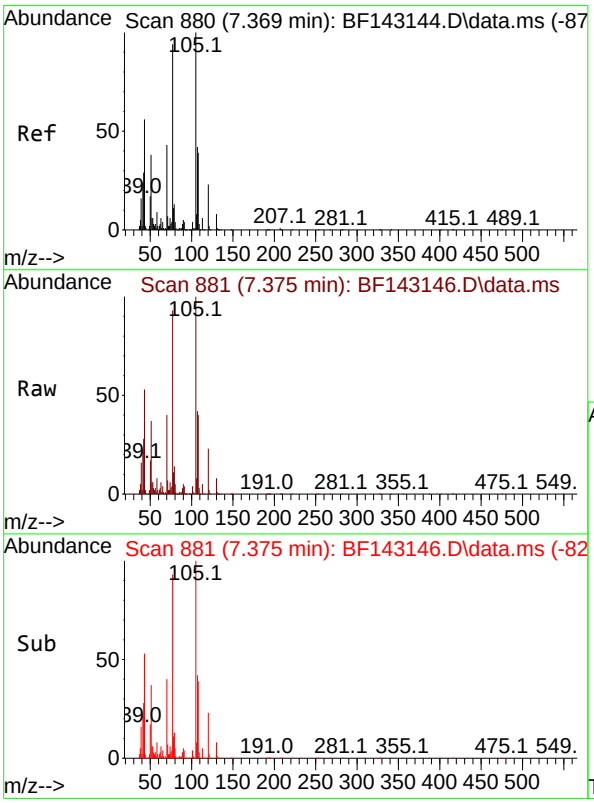
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

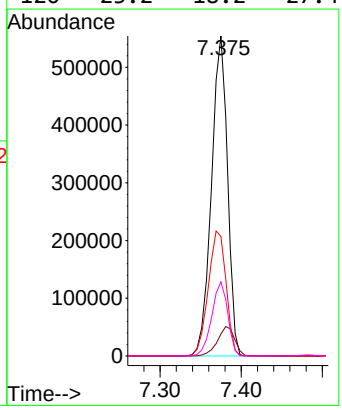


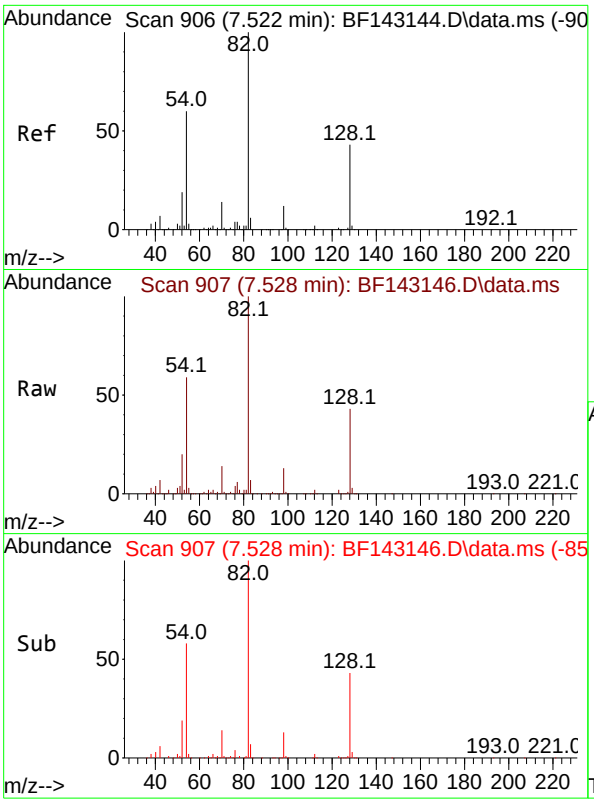


#22
Acetophenone
Concen: 56.041 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



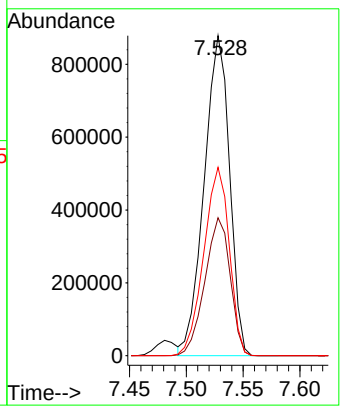


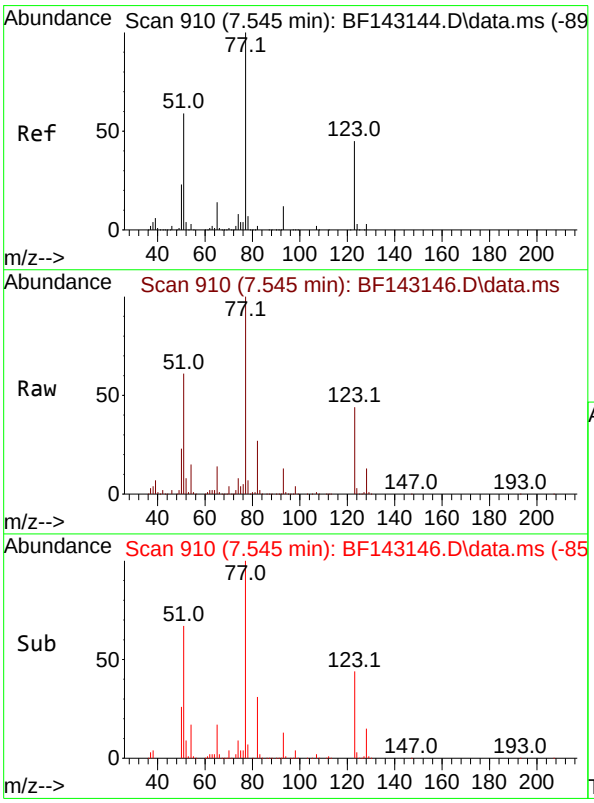
#23
Nitrobenzene-d5
Concen: 118.809 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

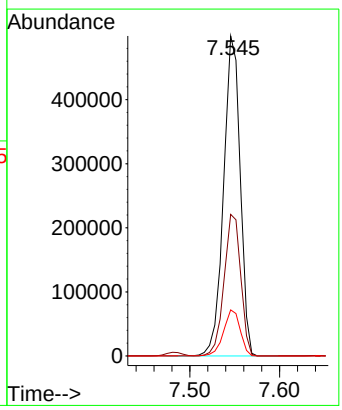


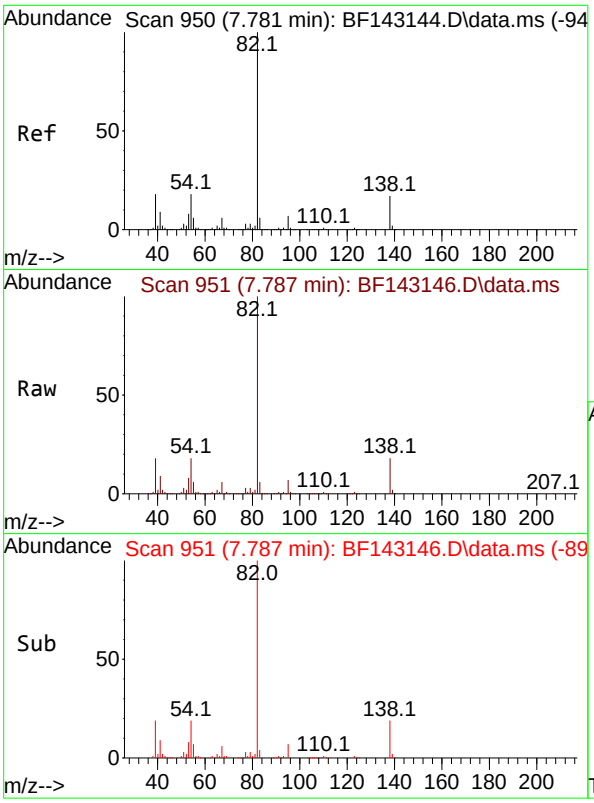


#24
Nitrobenzene
Concen: 59.832 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



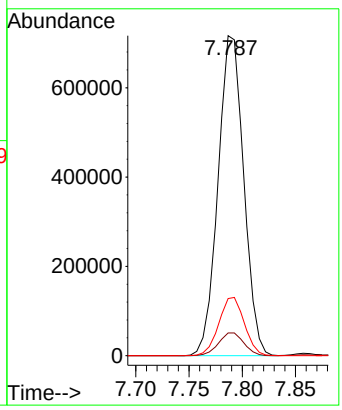


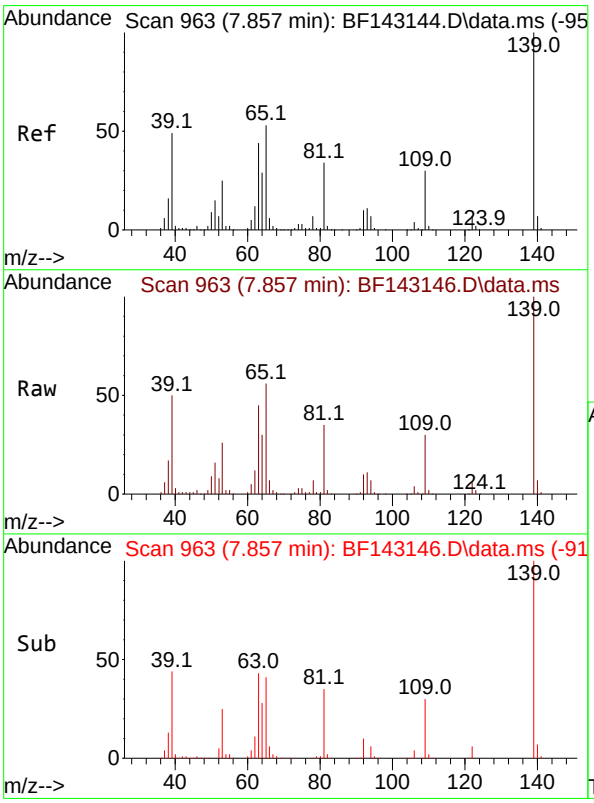
#25
Isophorone
Concen: 59.202 ng
RT: 7.787 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

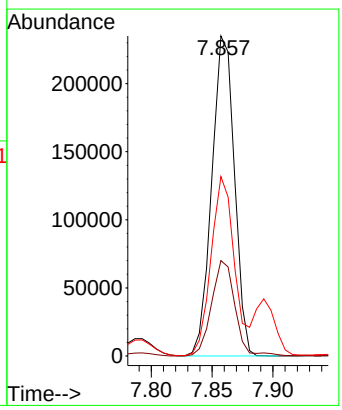


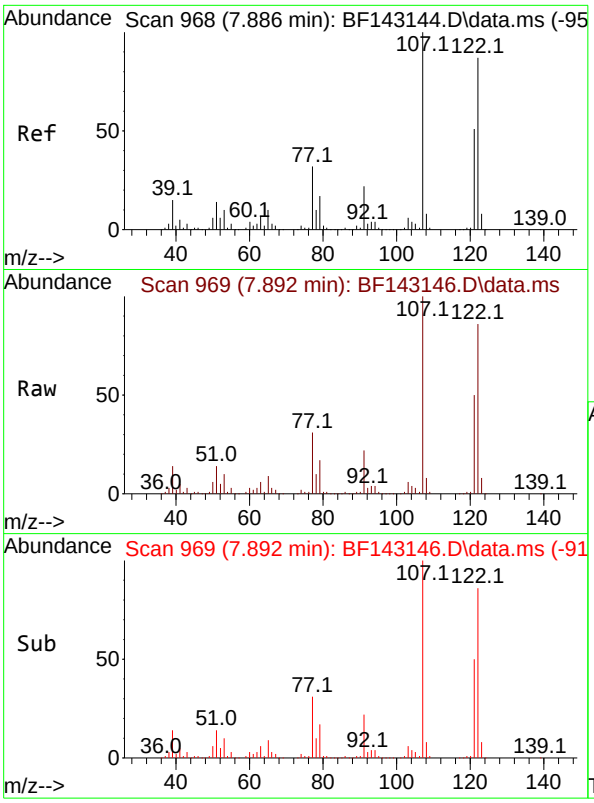


#26
2-Nitrophenol
Concen: 65.345 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



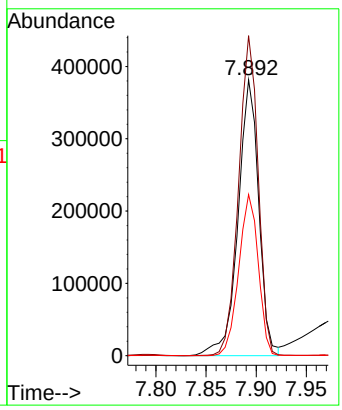


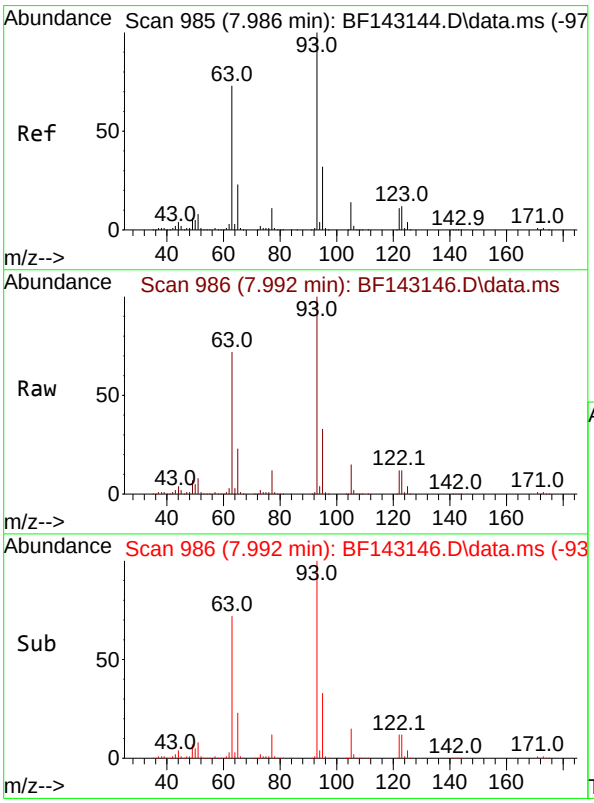
#27
2,4-Dimethylphenol
Concen: 57.833 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

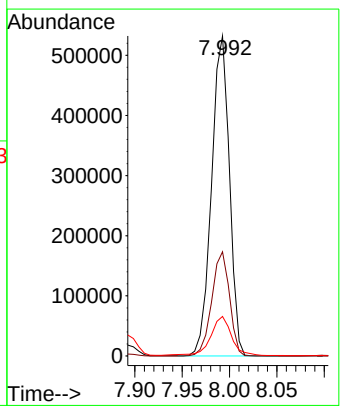


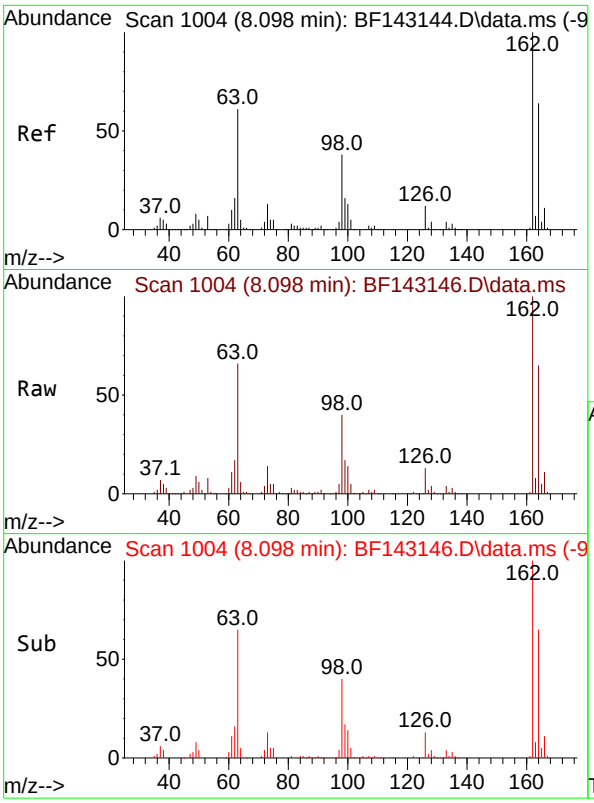


#28
bis(2-Chloroethoxy)methane
Concen: 57.184 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



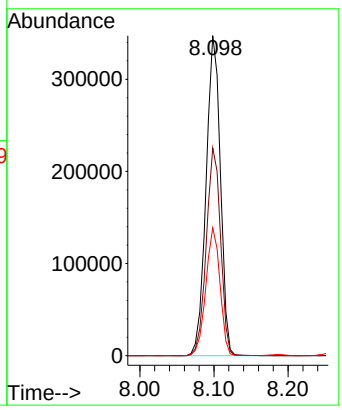


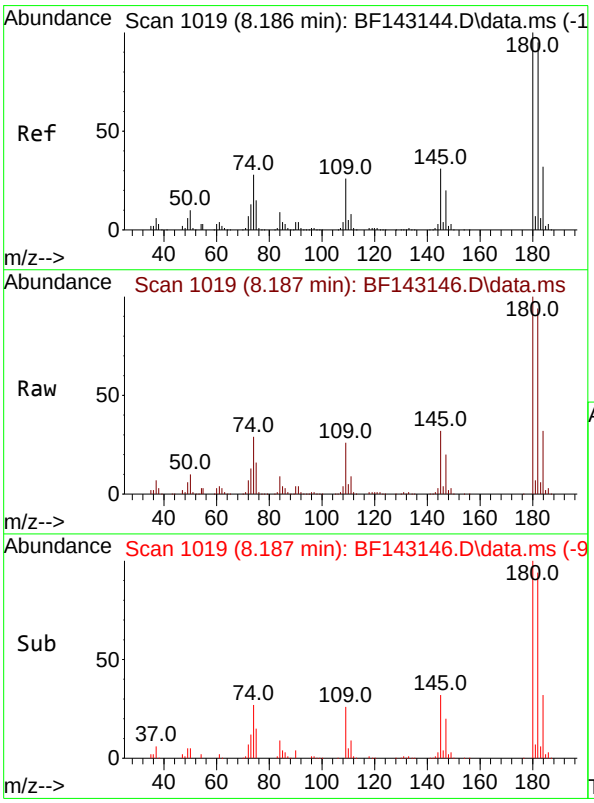
#29
2,4-Dichlorophenol
Concen: 58.329 ng
RT: 8.098 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

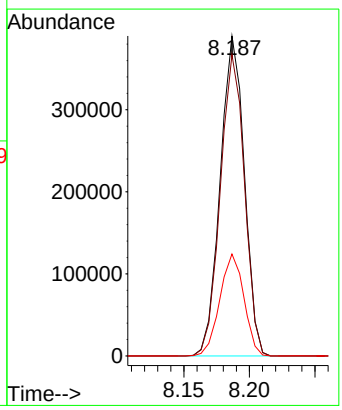


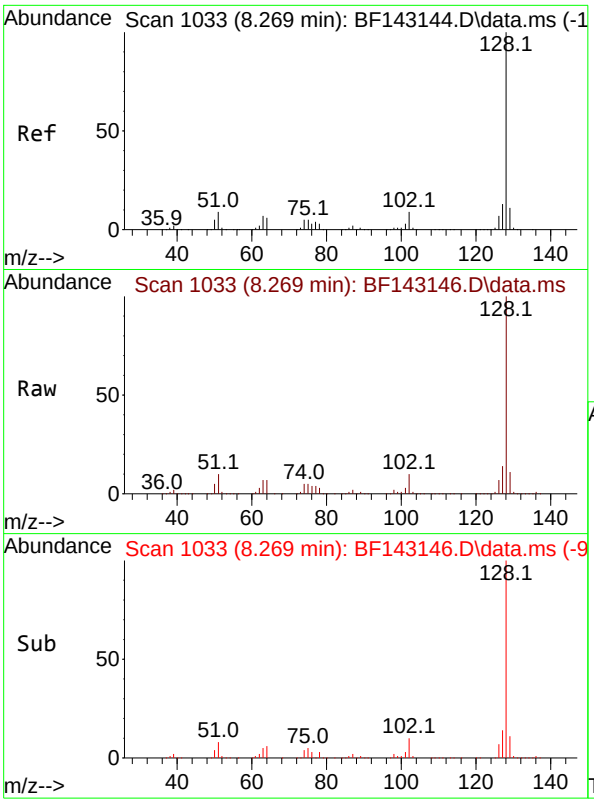


#30
1,2,4-Trichlorobenzene
Concen: 57.653 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



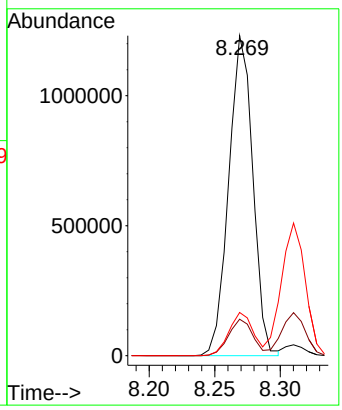


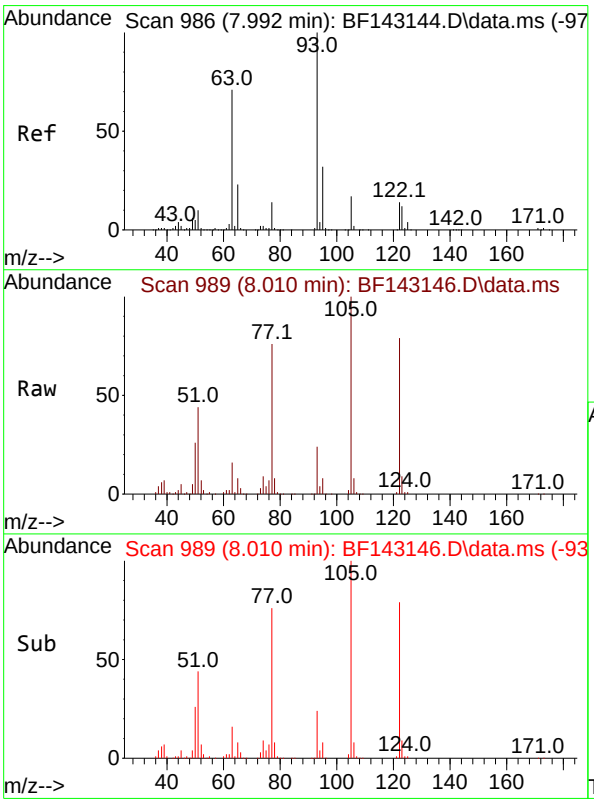
#31
Naphthalene
Concen: 55.784 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

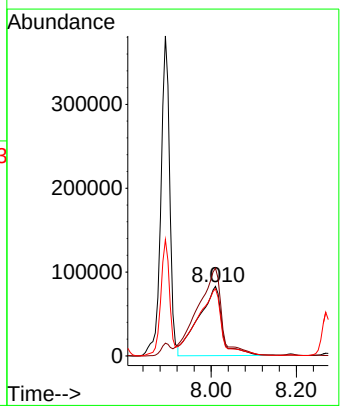


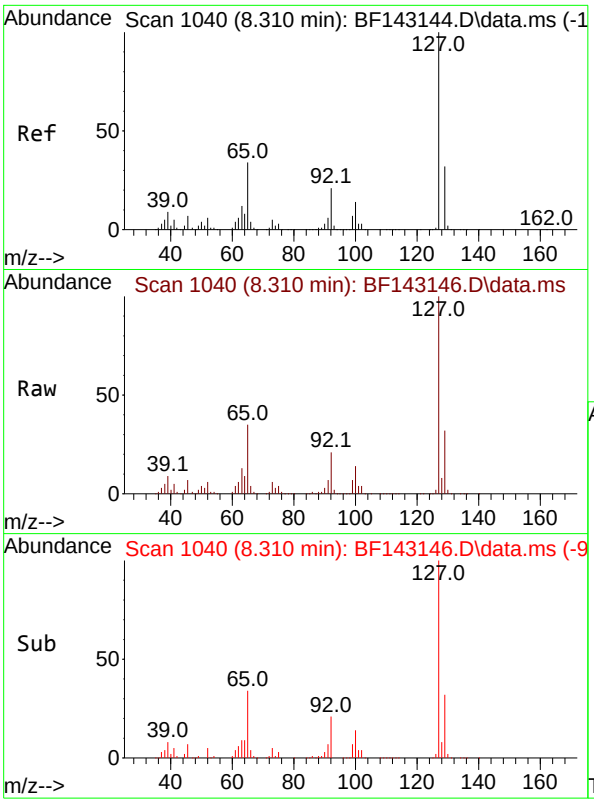


#32
Benzoic acid
Concen: 58.961 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



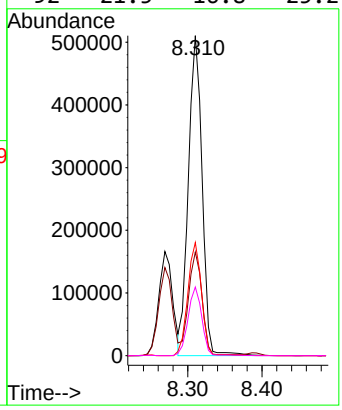


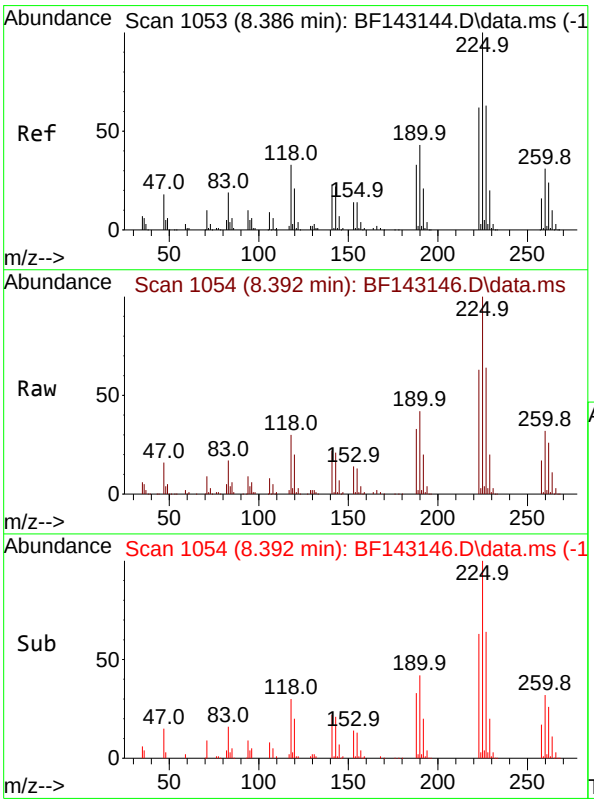
#33
4-Chloroaniline
Concen: 57.178 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

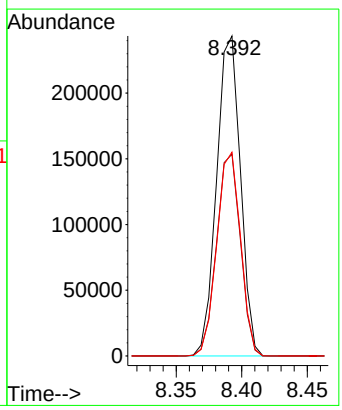


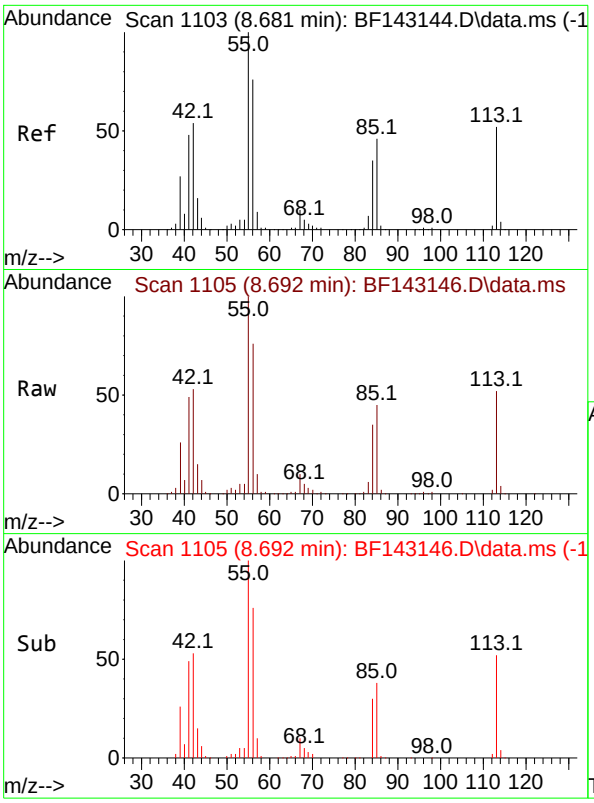


#34
Hexachlorobutadiene
Concen: 58.230 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



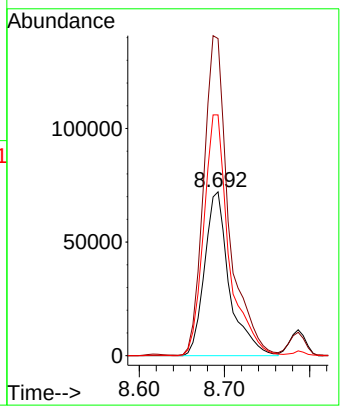


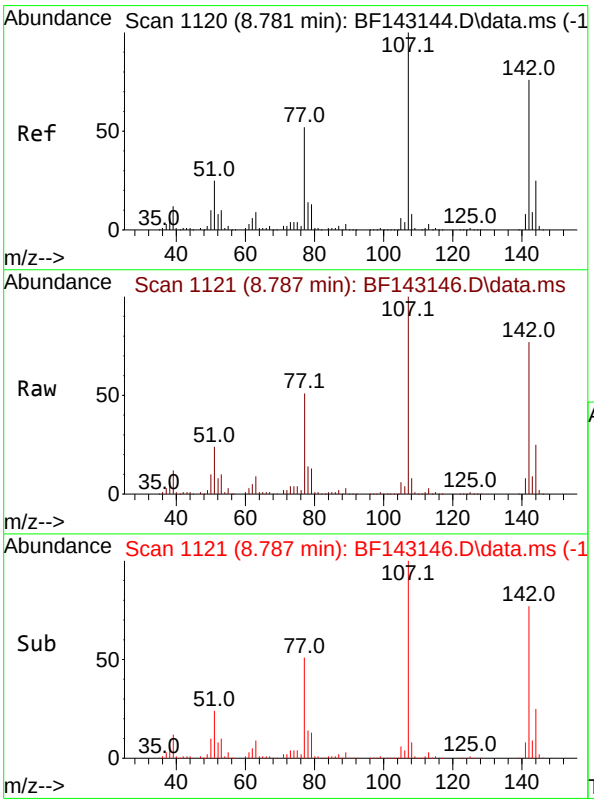
#35
Caprolactam
Concen: 60.327 ng
RT: 8.692 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

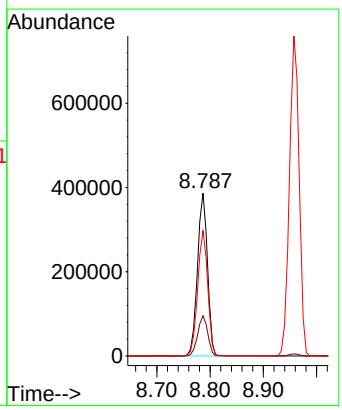


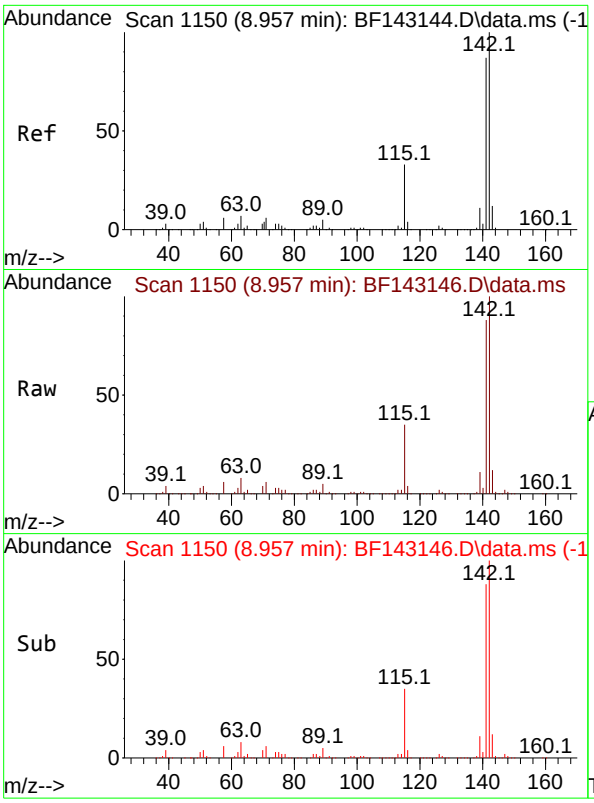


#36
4-Chloro-3-methylphenol
Concen: 58.186 ng
RT: 8.787 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



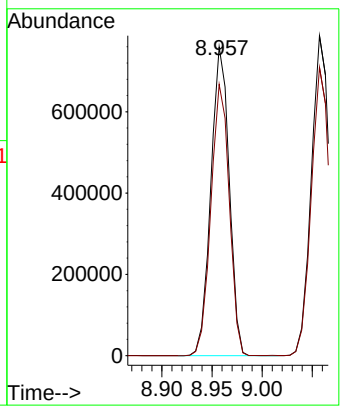


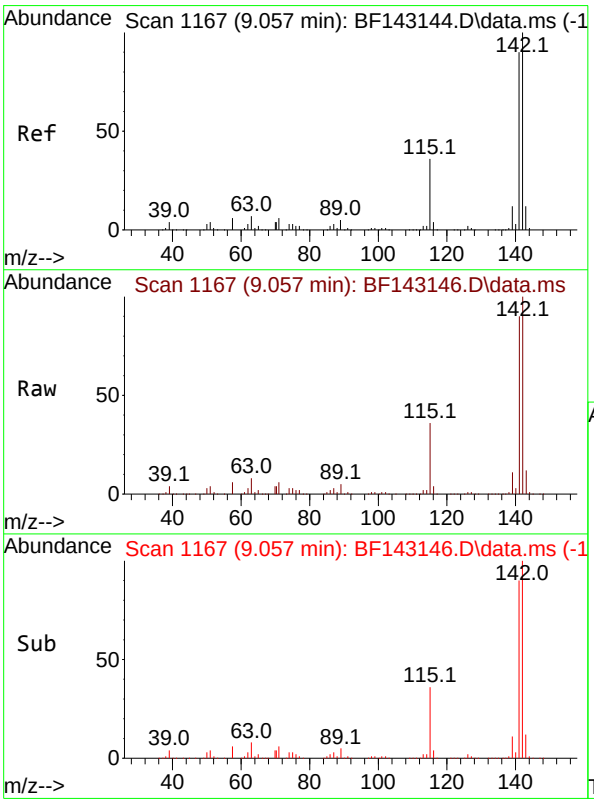
#37
2-Methylnaphthalene
Concen: 56.203 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 966031

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.9	104.9

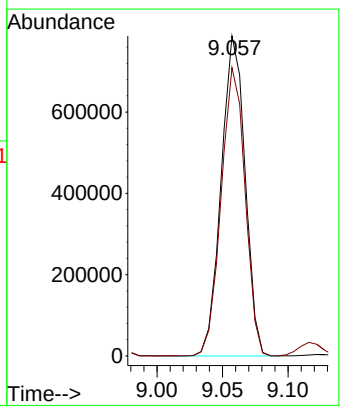


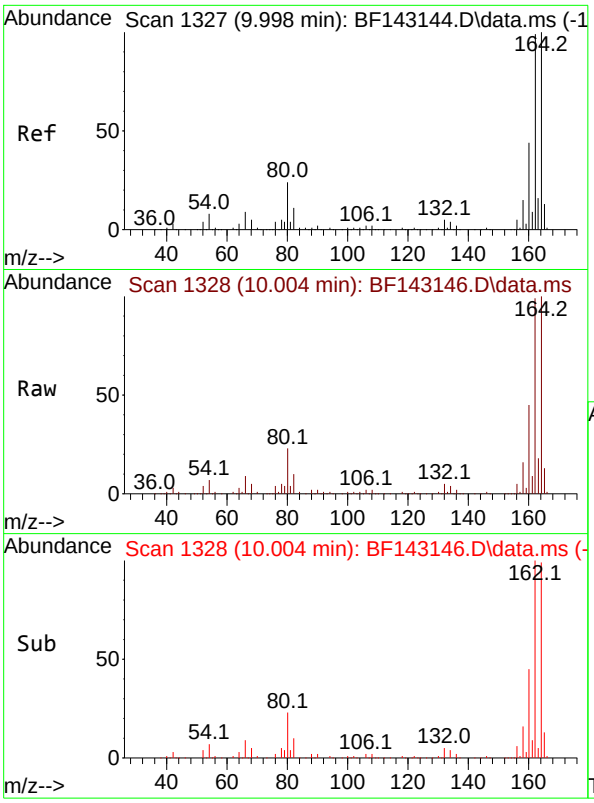


#38
1-Methylnaphthalene
Concen: 56.329 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

Tgt Ion:142 Resp: 997009

Ion	Ratio	Lower	Upper
142	100		
141	90.1	72.3	108.5



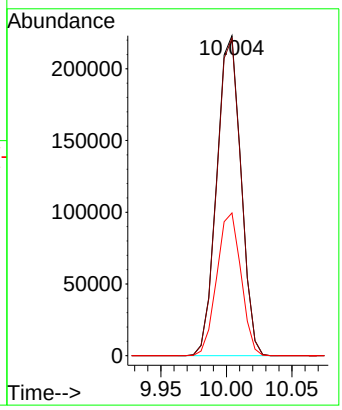


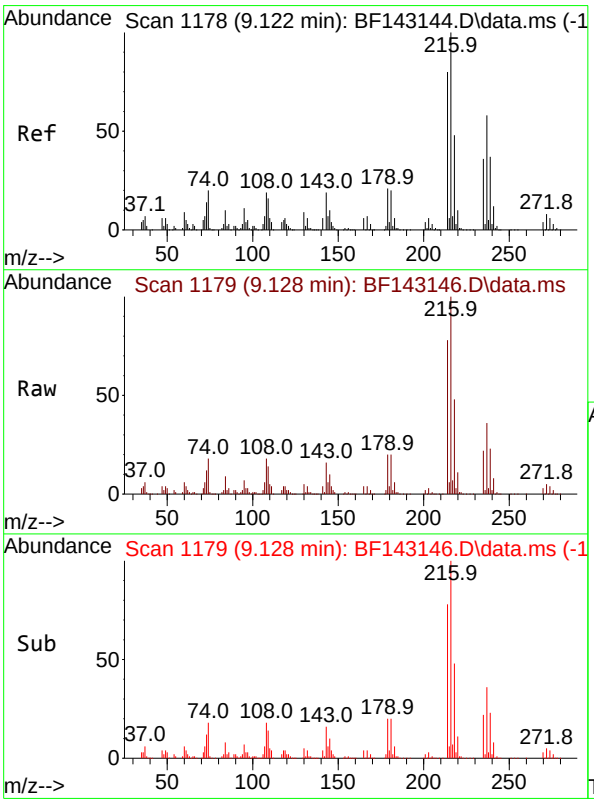
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

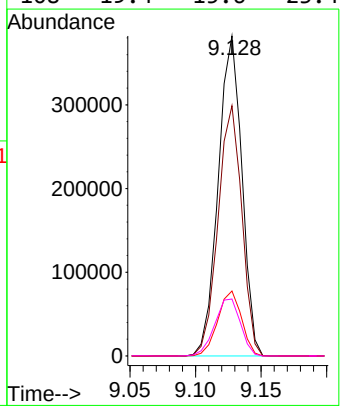


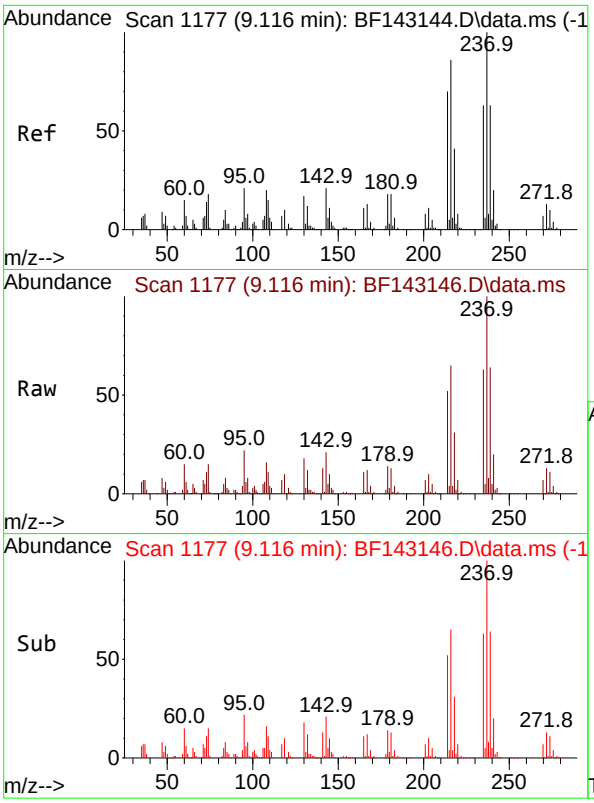


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.955 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



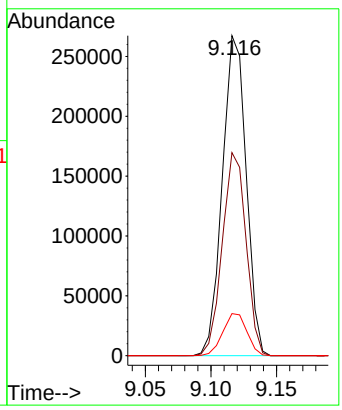


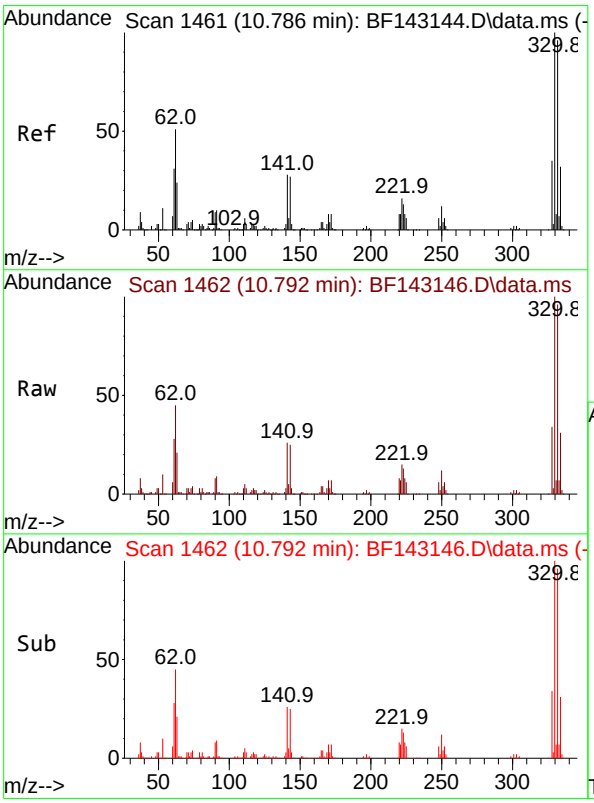
#41
Hexachlorocyclopentadiene
Concen: 62.761 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

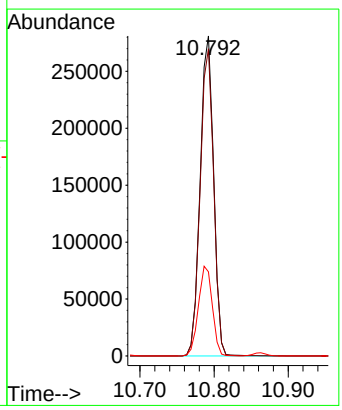


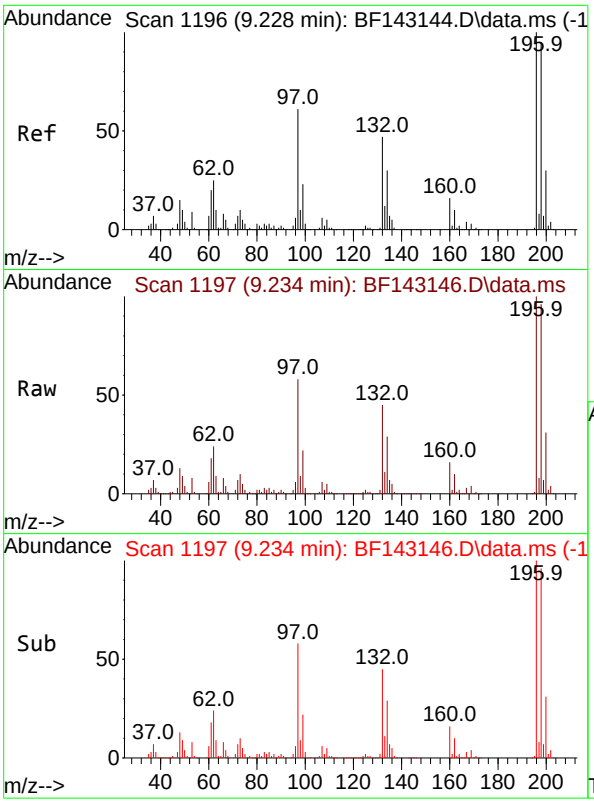


#42
2,4,6-Tribromophenol
Concen: 119.817 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



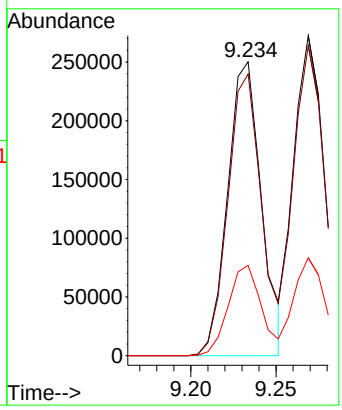


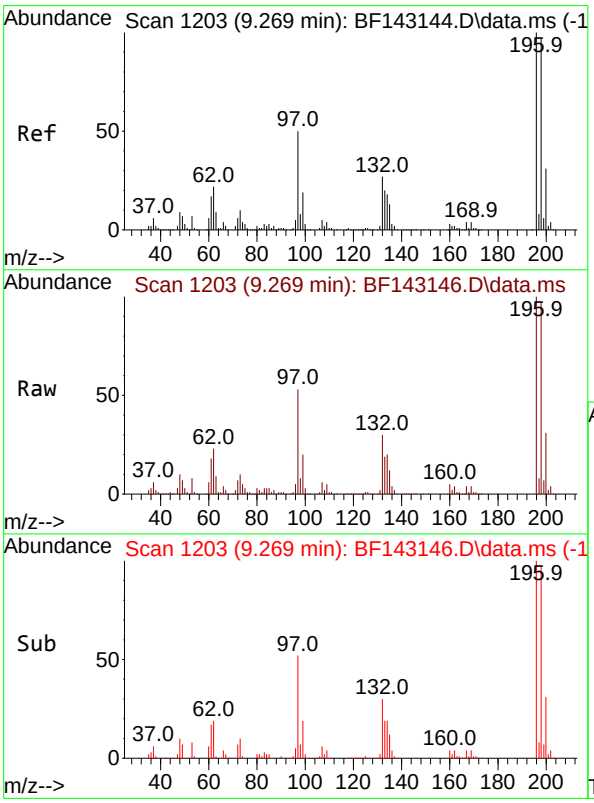
#43
2,4,6-Trichlorophenol
Concen: 60.246 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

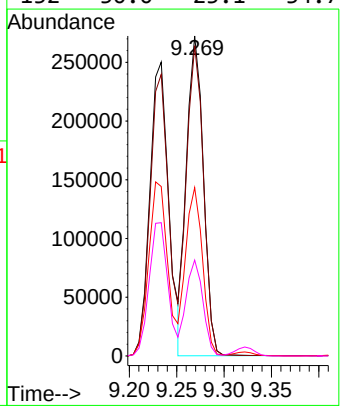


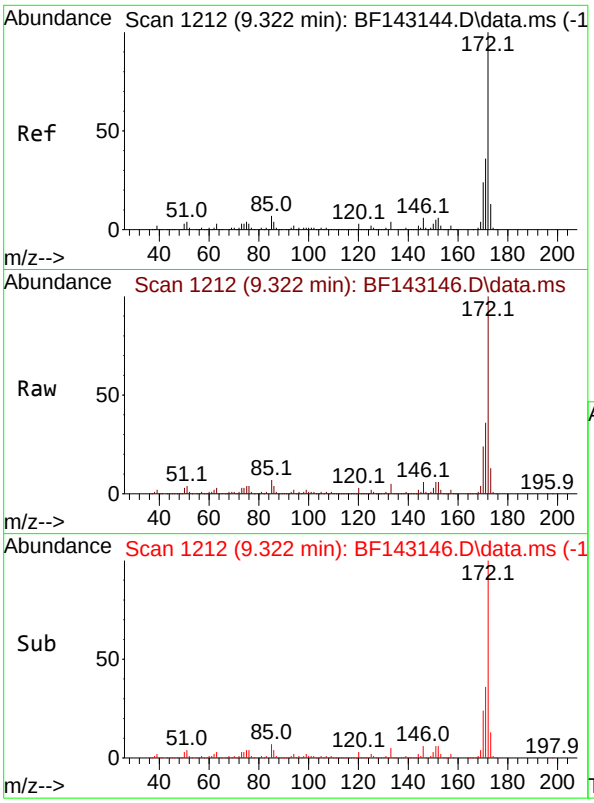


#44
2,4,5-Trichlorophenol
Concen: 59.305 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



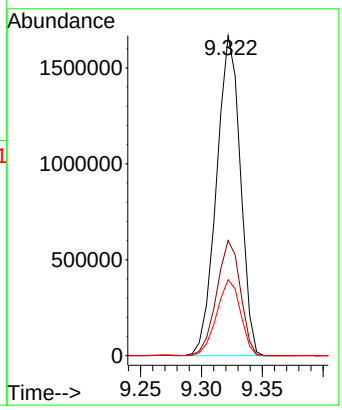


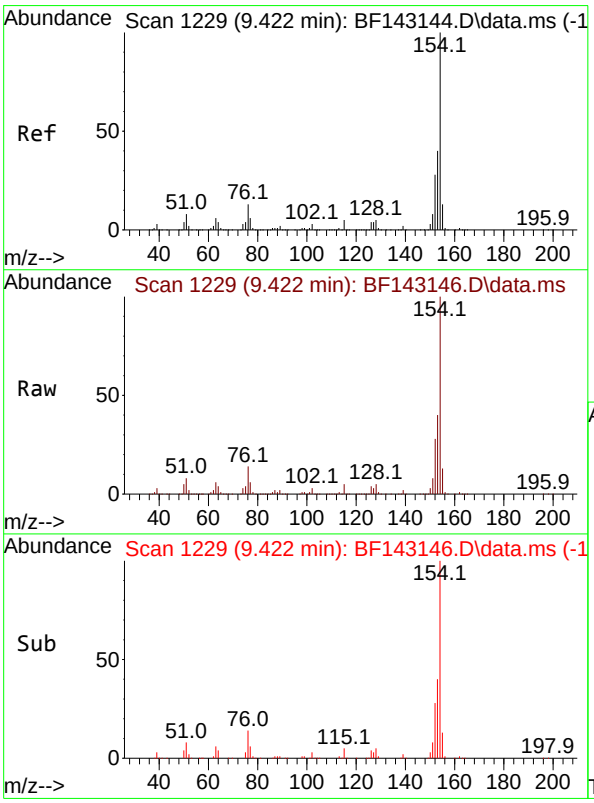
#45
2-Fluorobiphenyl
Concen: 108.558 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

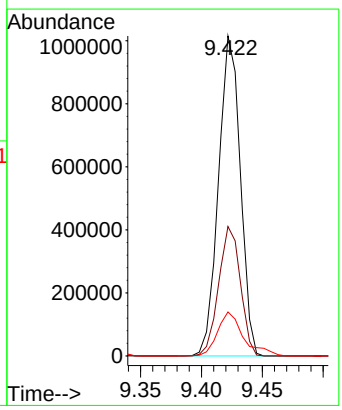


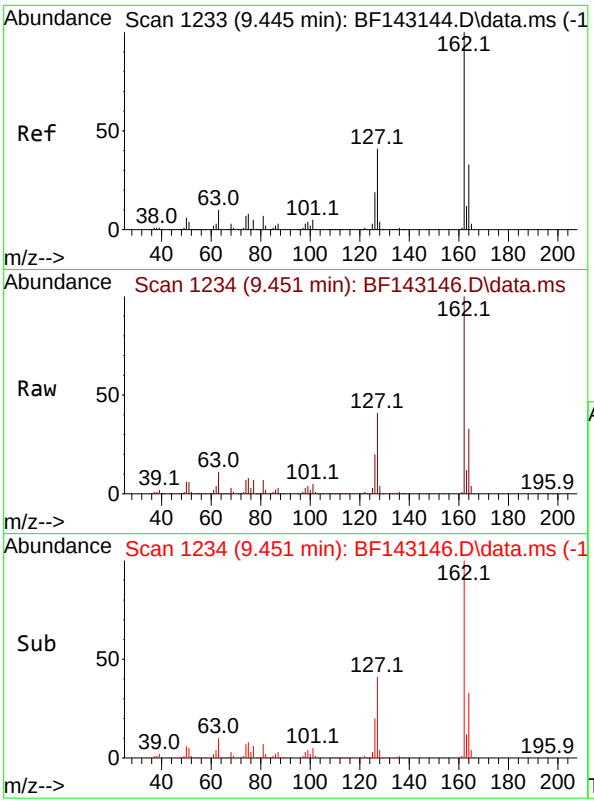


#46
1,1'-Biphenyl
Concen: 56.610 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



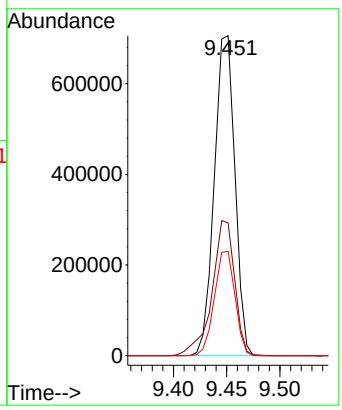


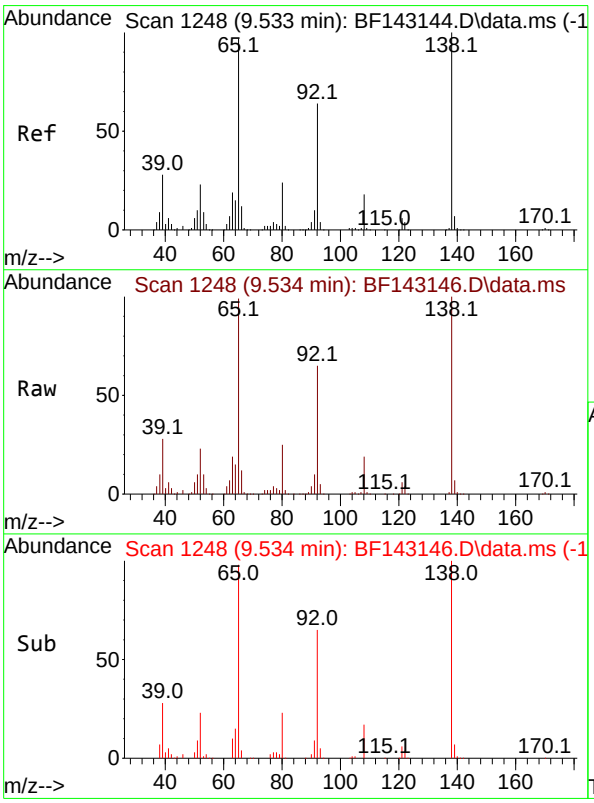
#47
2-Chloronaphthalene
Concen: 57.364 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

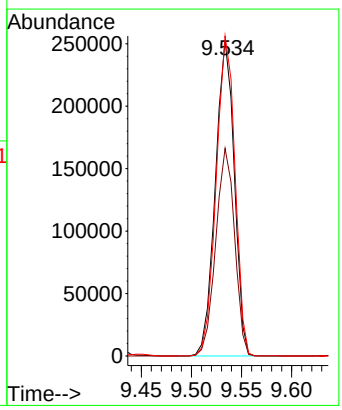


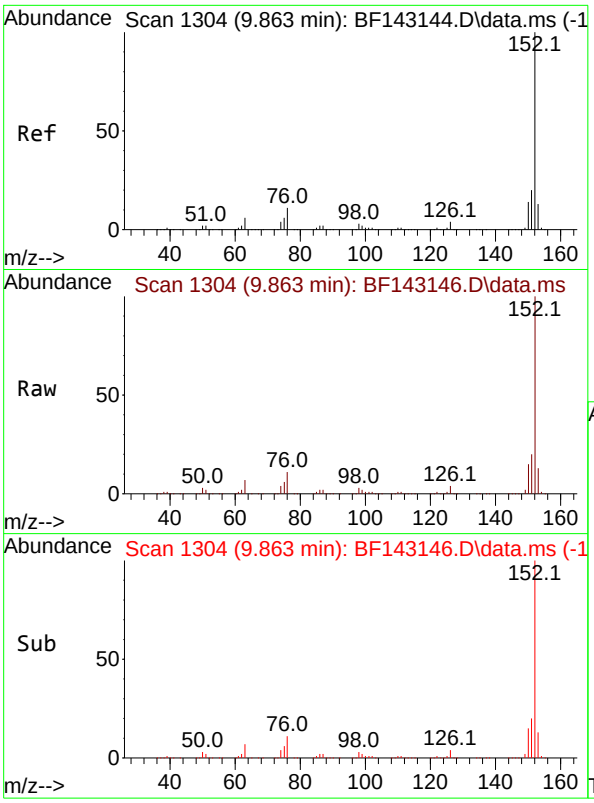


#48
2-Nitroaniline
Concen: 63.904 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



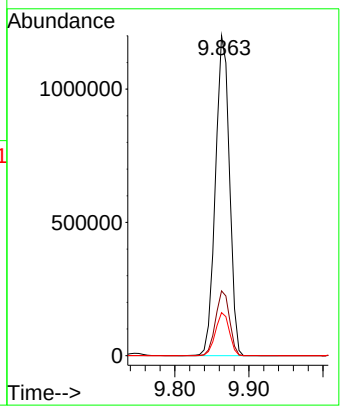


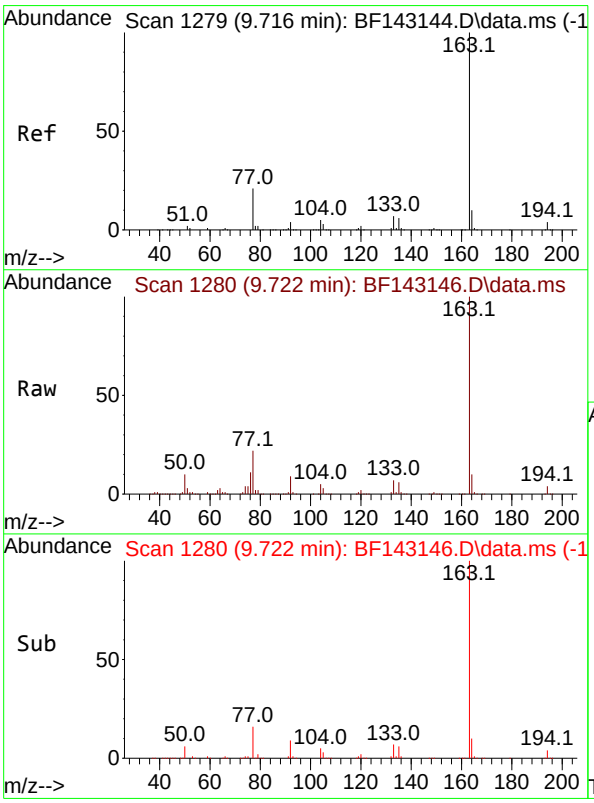
#49
Acenaphthylene
Concen: 56.860 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

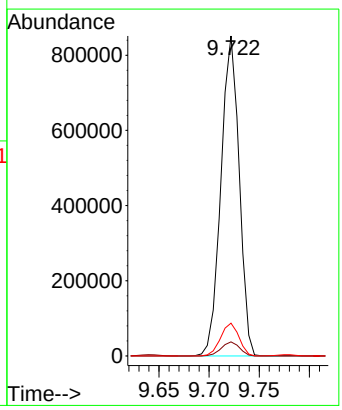


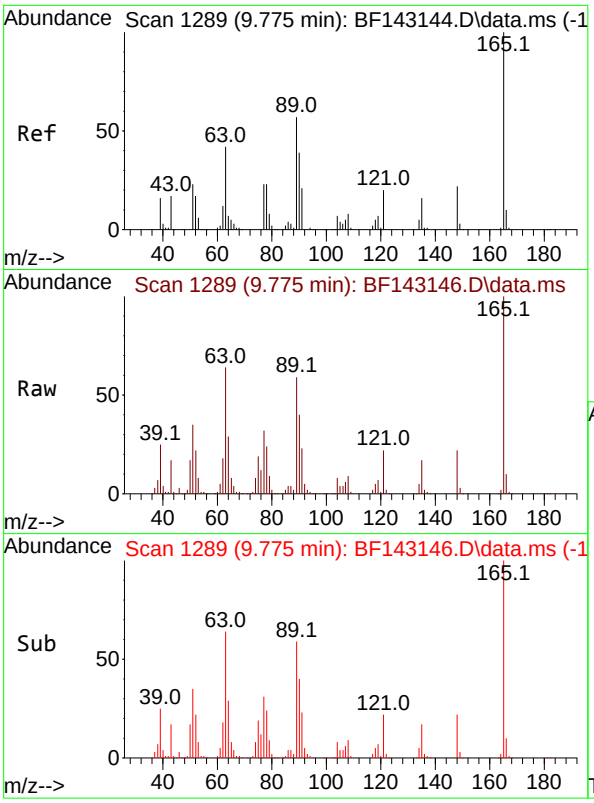


#50
Dimethylphthalate
Concen: 57.558 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



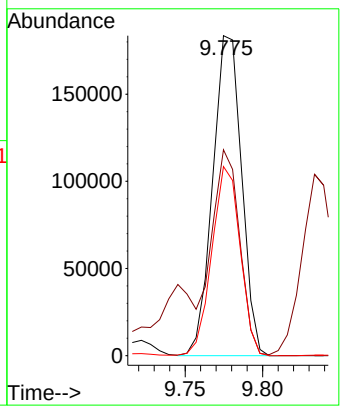


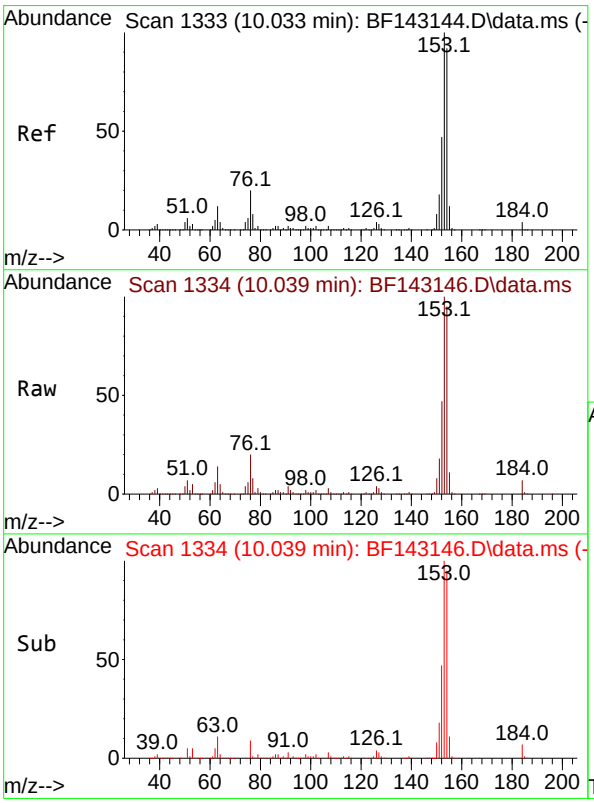
#51
2,6-Dinitrotoluene
Concen: 62.665 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

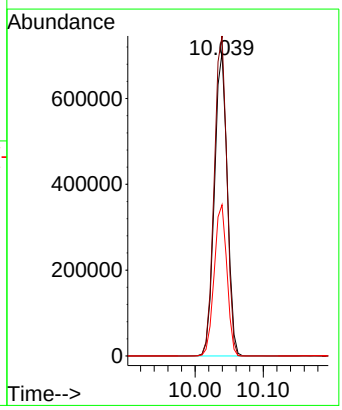


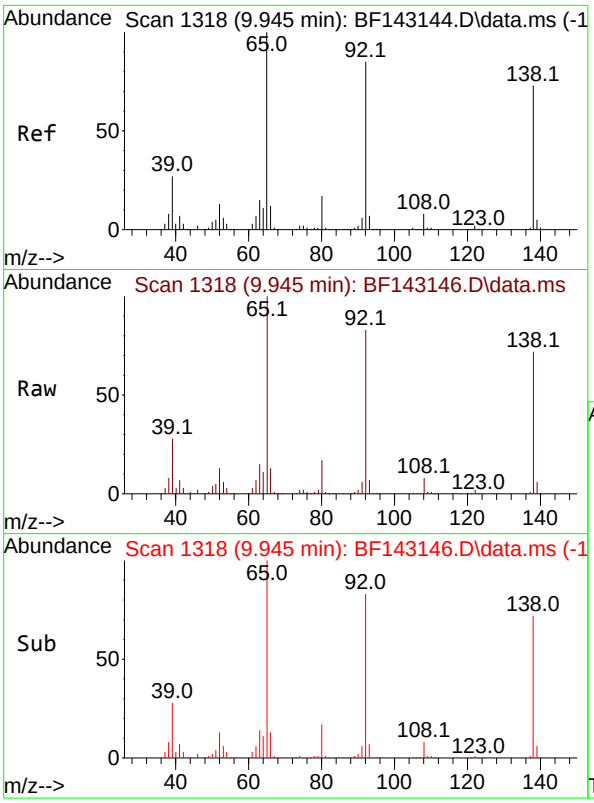


#52
Acenaphthene
Concen: 56.814 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



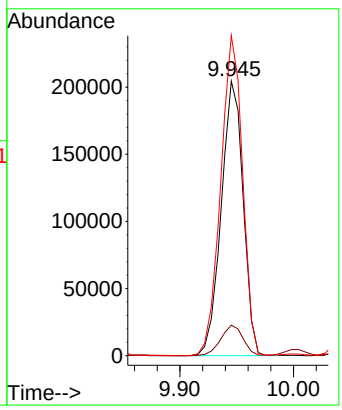


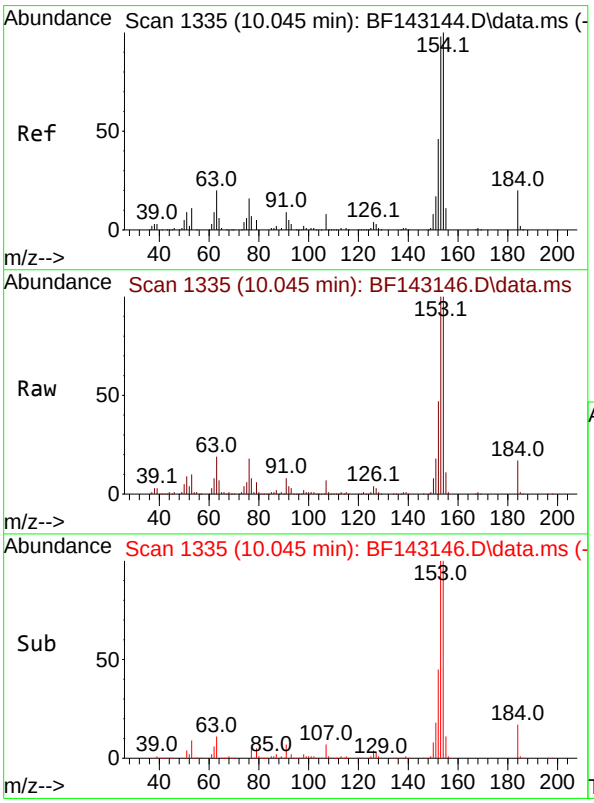
#53
3-Nitroaniline
Concen: 61.542 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

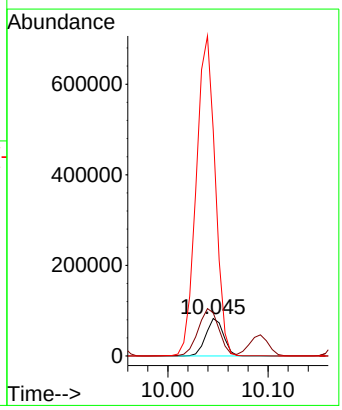


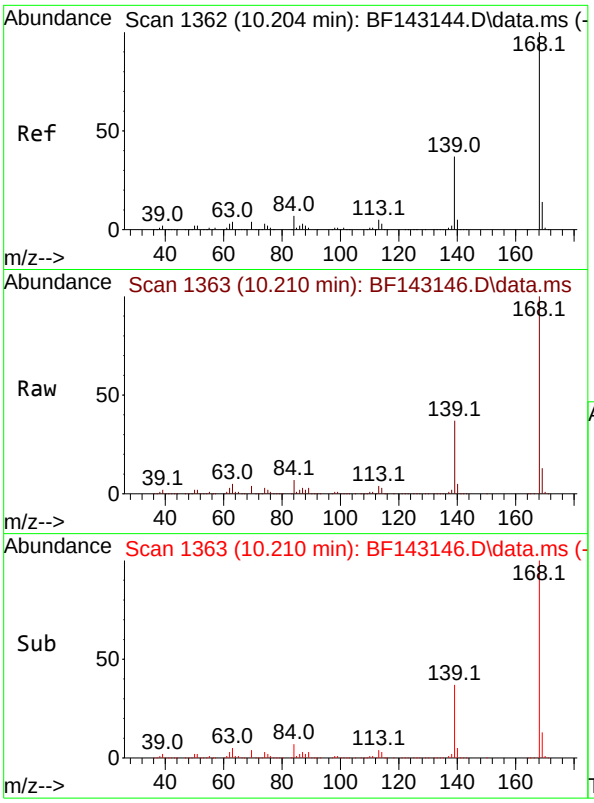


#54
2,4-Dinitrophenol
Concen: 60.690 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



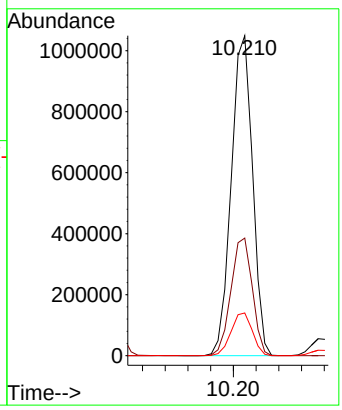


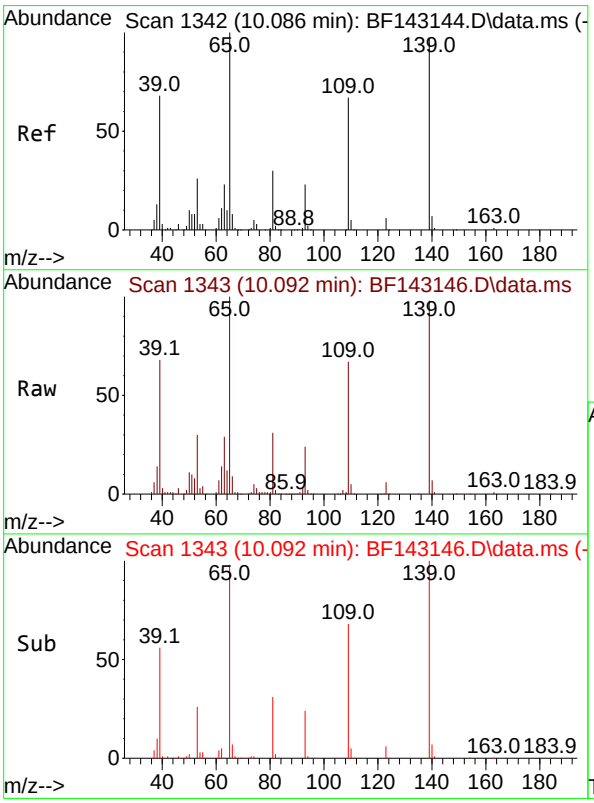
#55
Dibenzofuran
Concen: 56.093 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

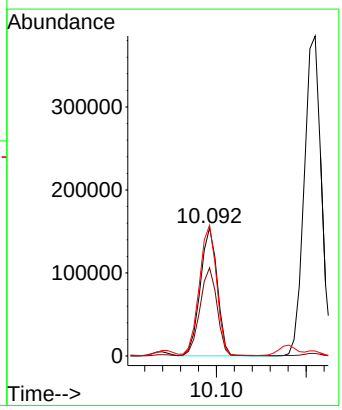


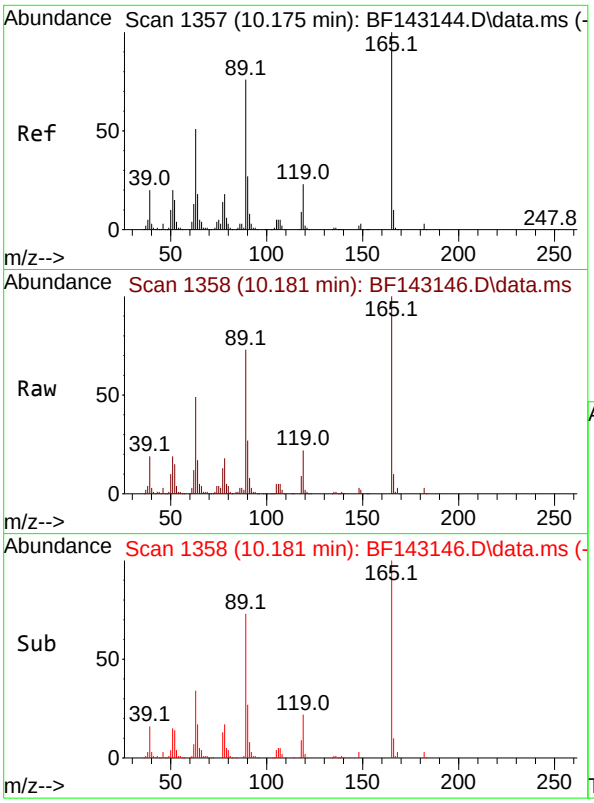


#56
4-Nitrophenol
Concen: 61.312 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



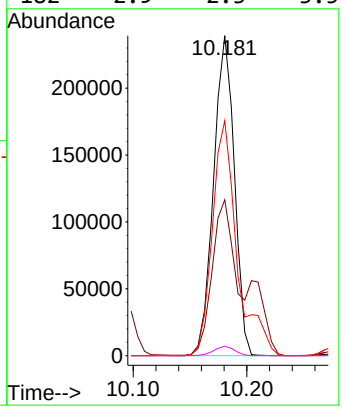


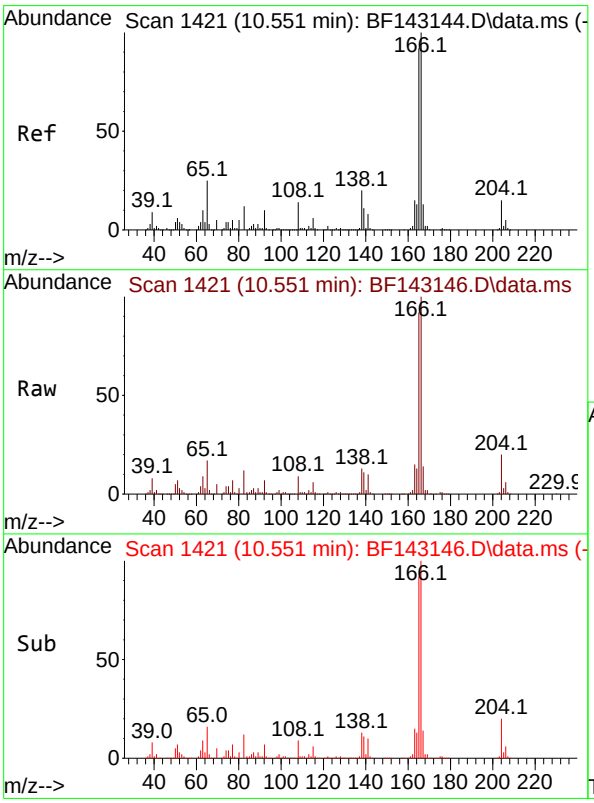
#57
2,4-Dinitrotoluene
Concen: 63.868 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

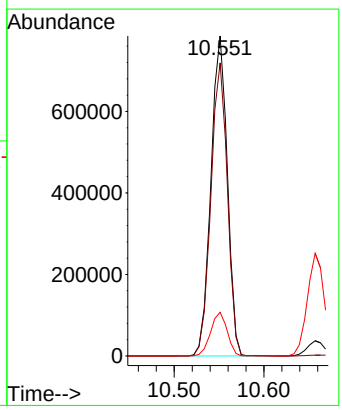


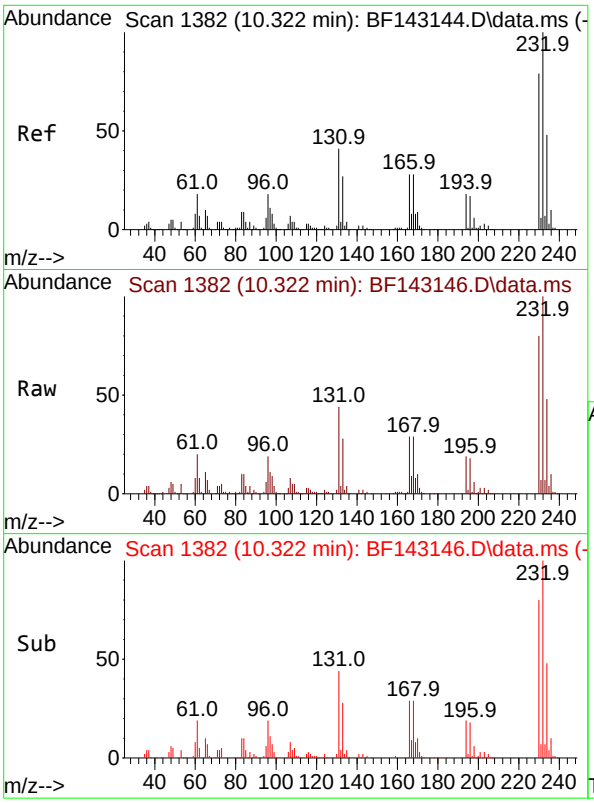


#58
Fluorene
Concen: 54.647 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



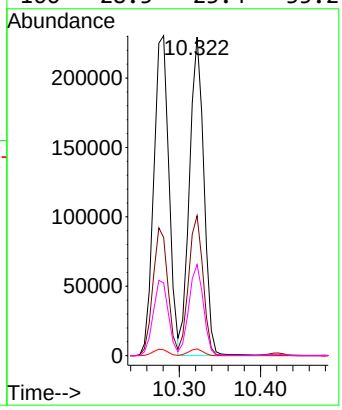


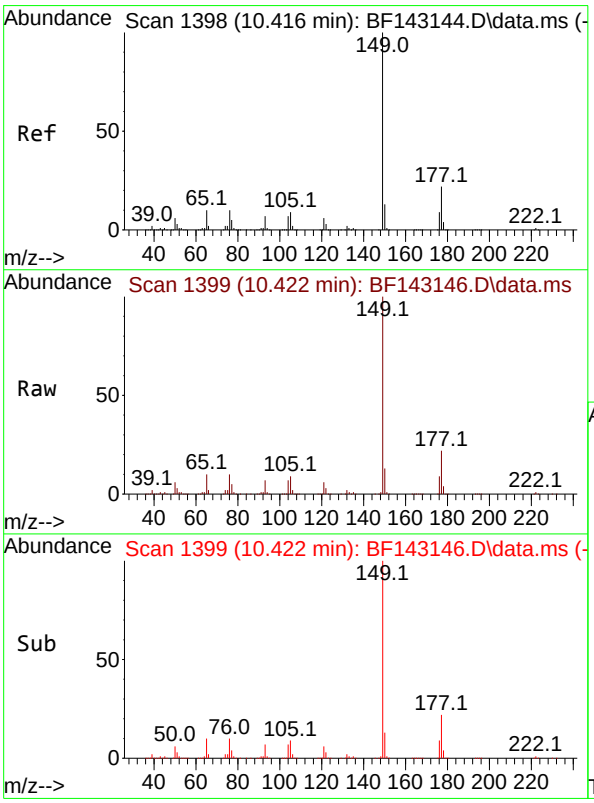
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.678 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

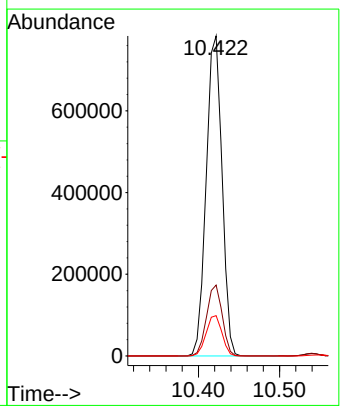


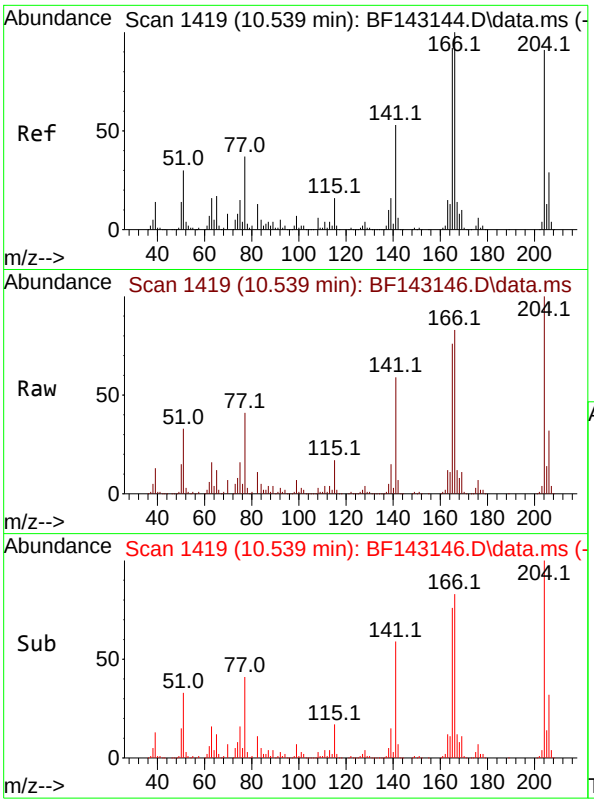


#60
Diethylphthalate
Concen: 57.301 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



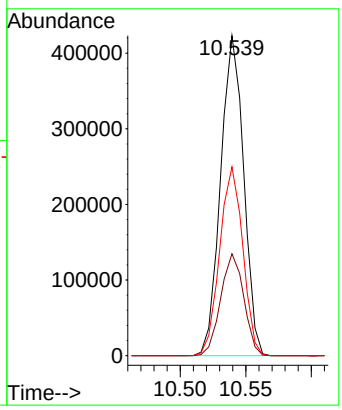


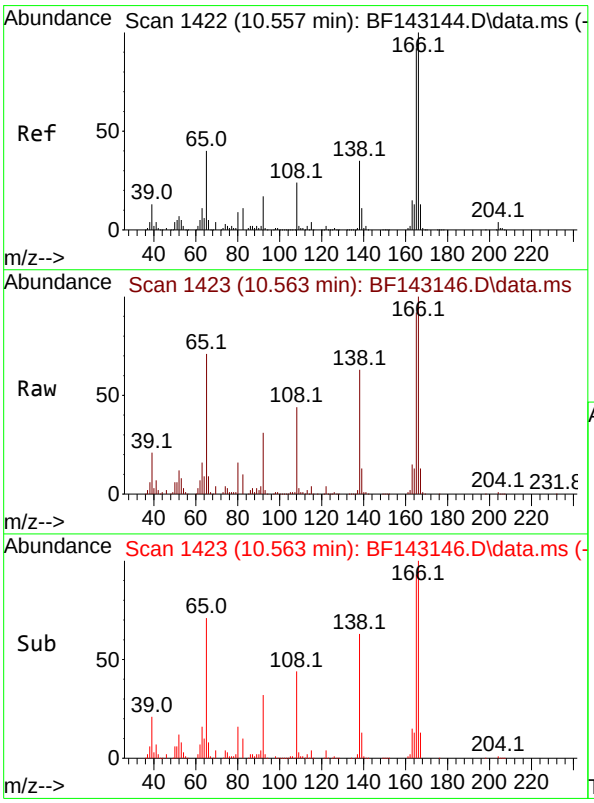
#61
4-Chlorophenyl-phenylether
Concen: 56.867 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

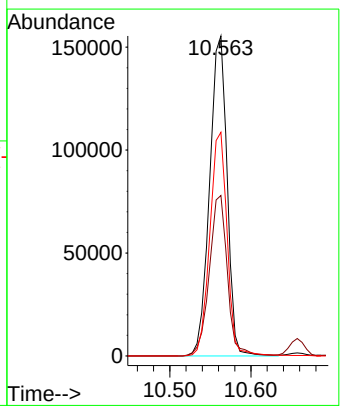


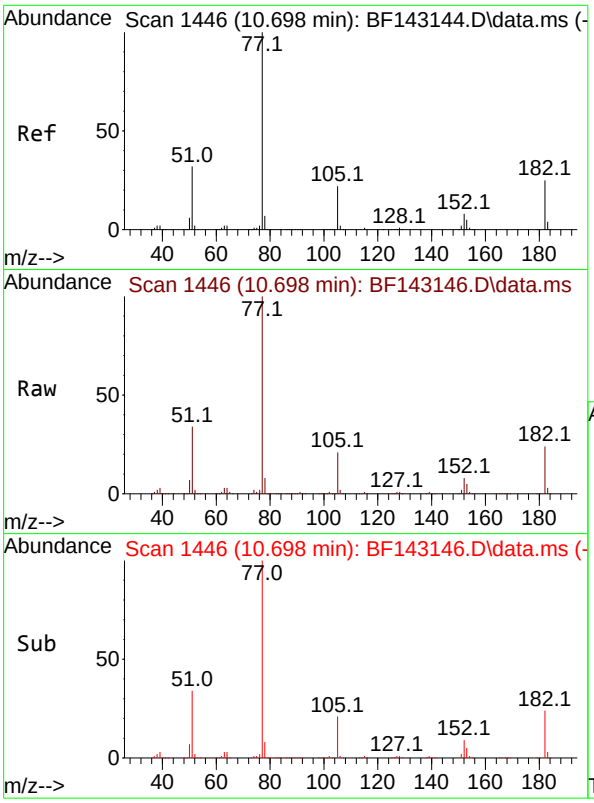


#62
4-Nitroaniline
Concen: 61.037 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



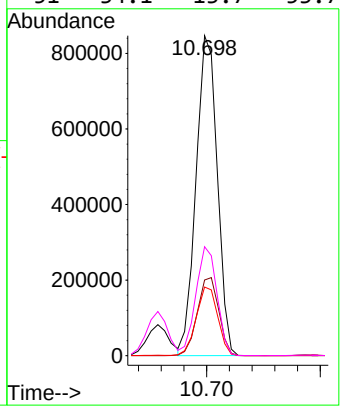


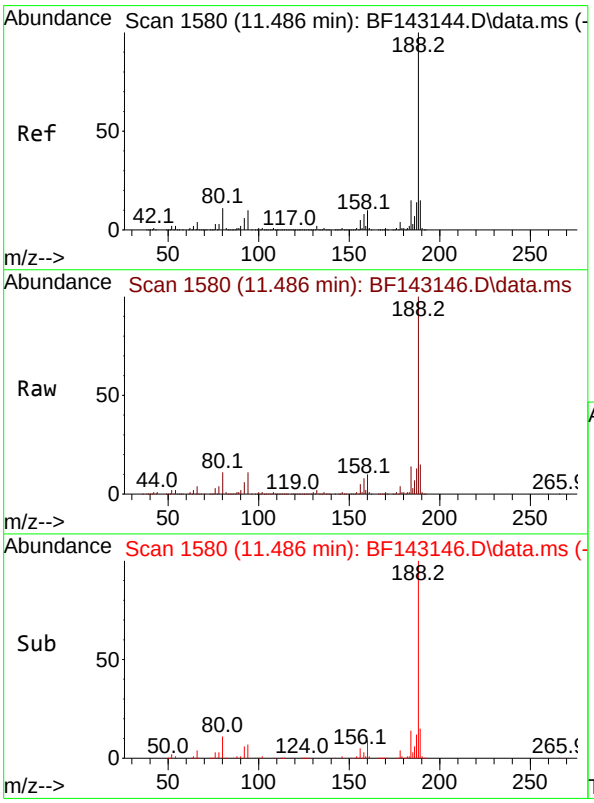
#63
Azobenzene
Concen: 57.107 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

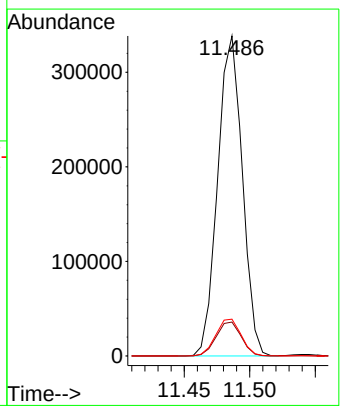


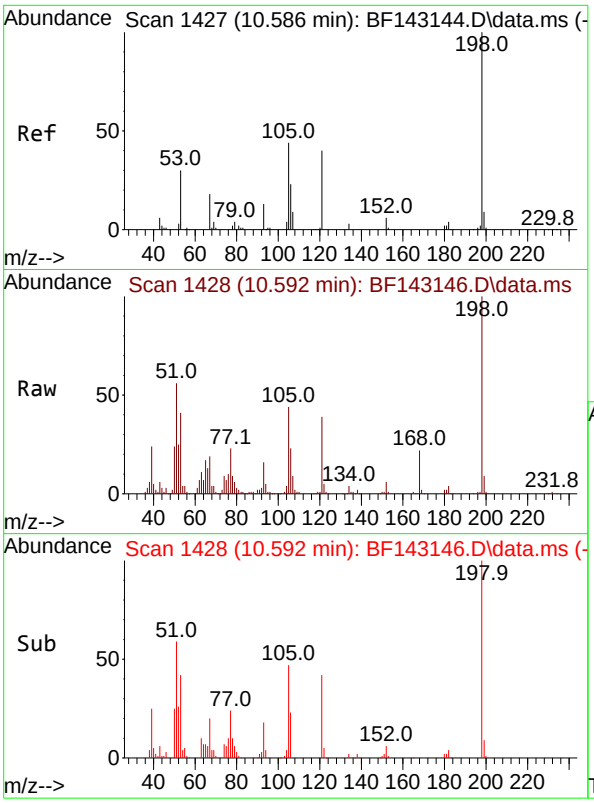


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



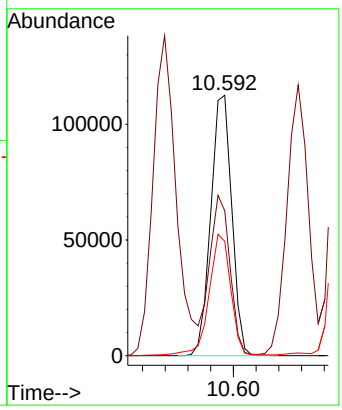


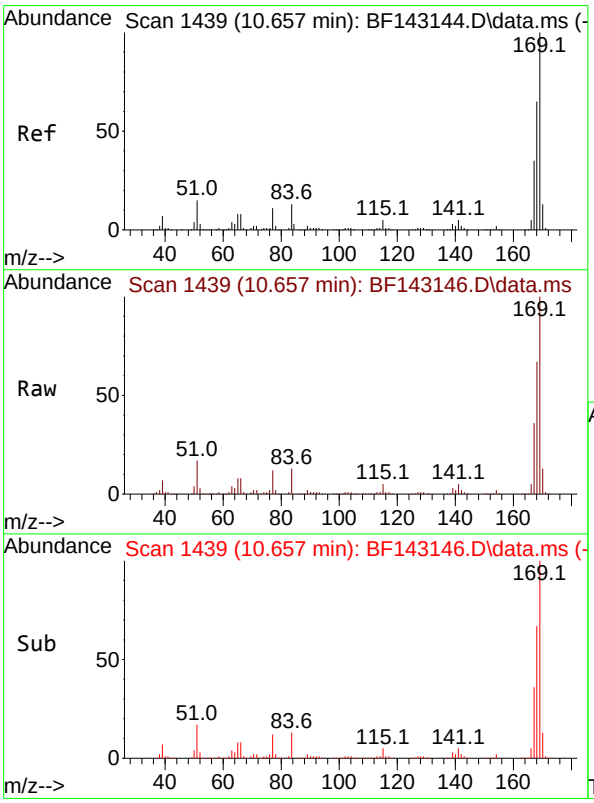
#65
4,6-Dinitro-2-methylphenol
Concen: 60.728 ng
RT: 10.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

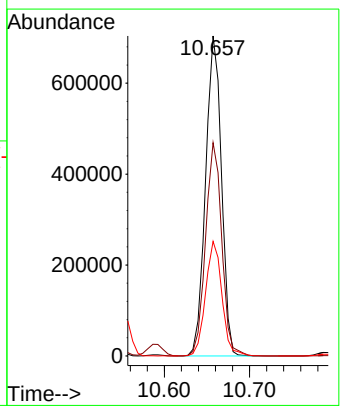


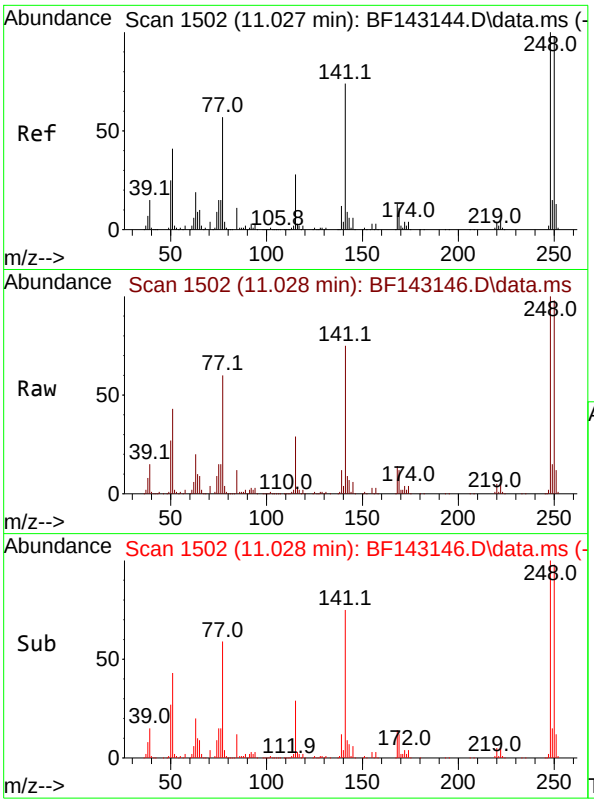


#66
n-Nitrosodiphenylamine
Concen: 58.380 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



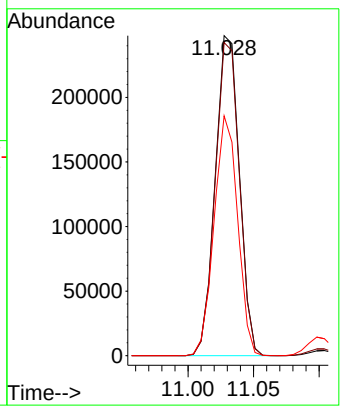


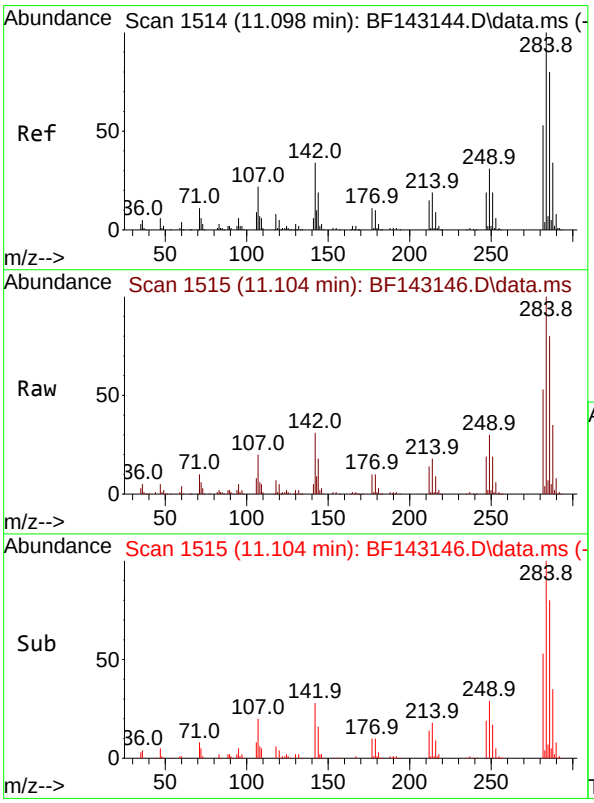
#67
4-Bromophenyl-phenylether
Concen: 60.266 ng
RT: 11.028 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

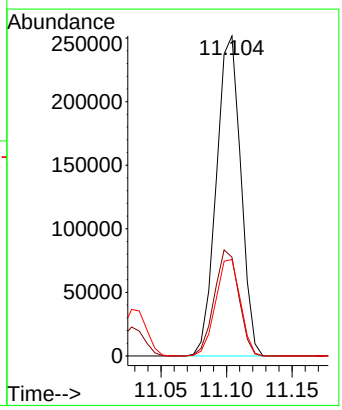


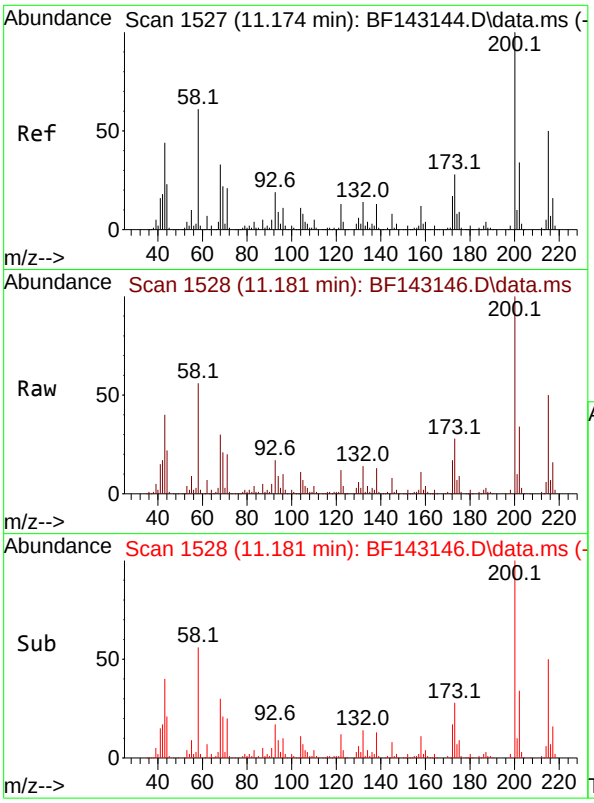


#68
Hexachlorobenzene
Concen: 59.054 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



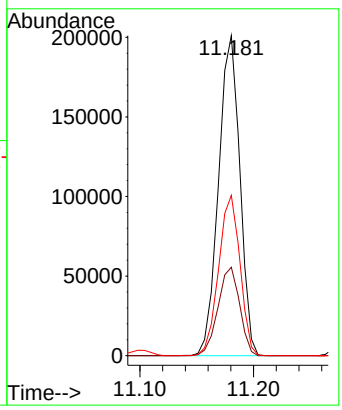


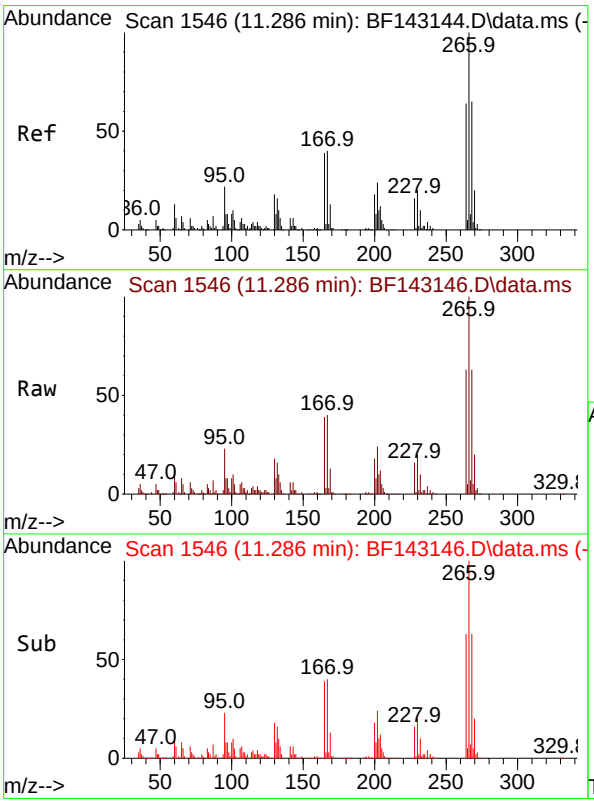
#69
Atrazine
Concen: 61.024 ng
RT: 11.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

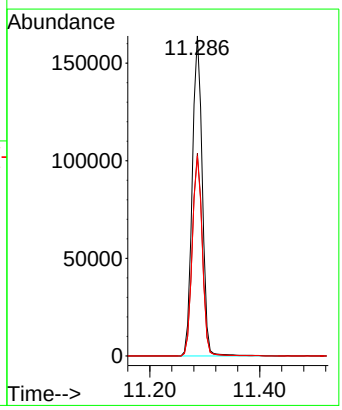


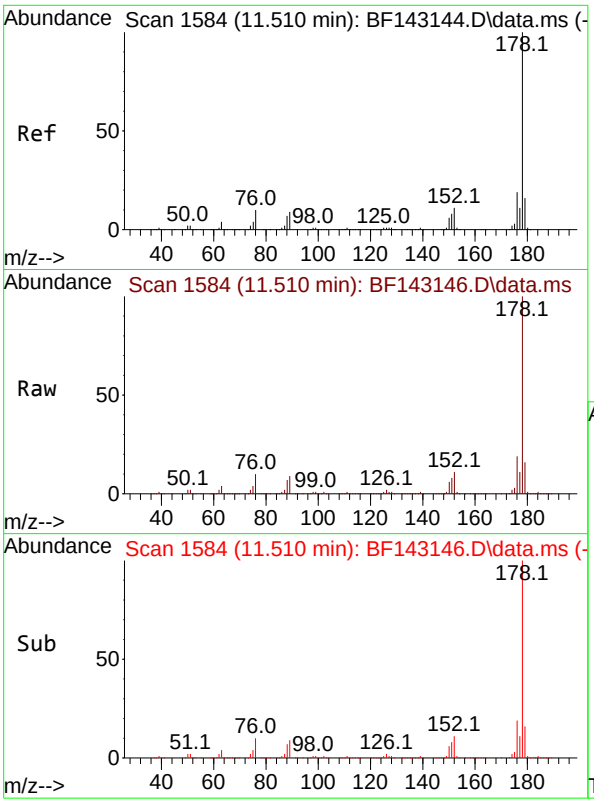


#70
Pentachlorophenol
Concen: 63.625 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



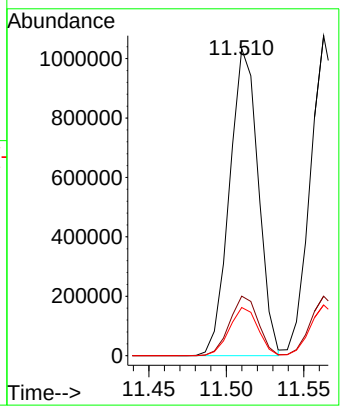


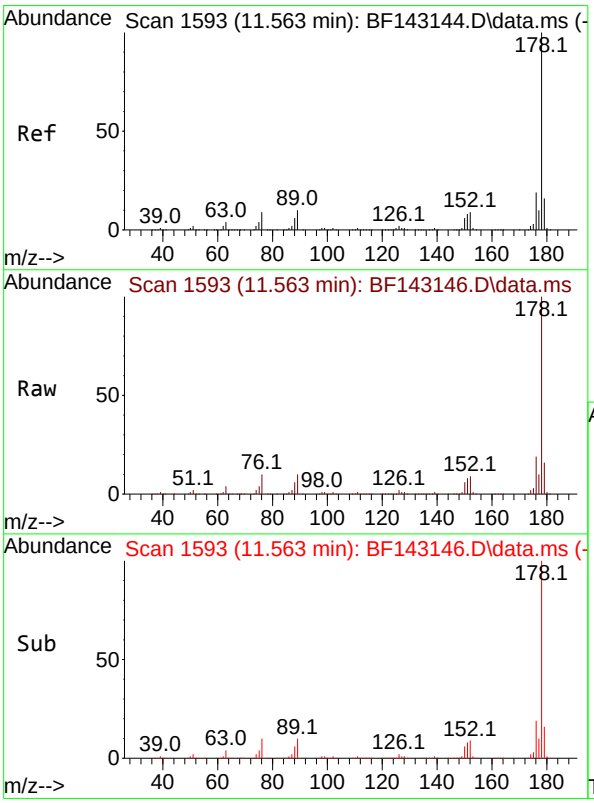
#71
Phenanthrene
Concen: 56.620 ng
RT: 11.510 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

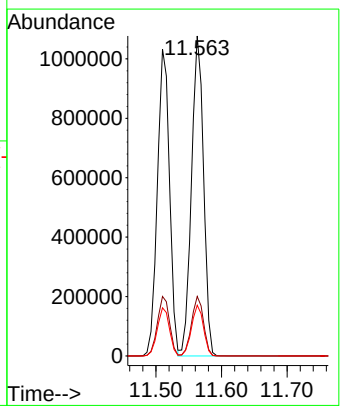


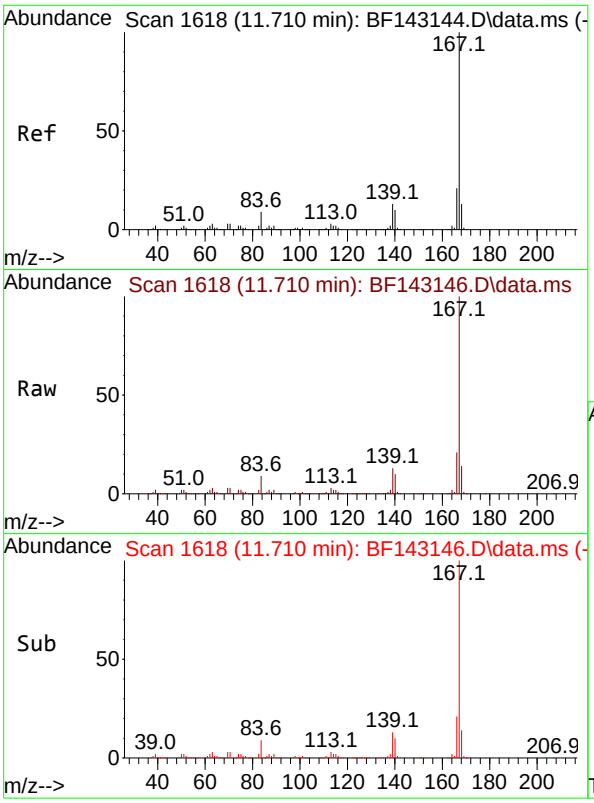


#72
Anthracene
Concen: 57.522 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



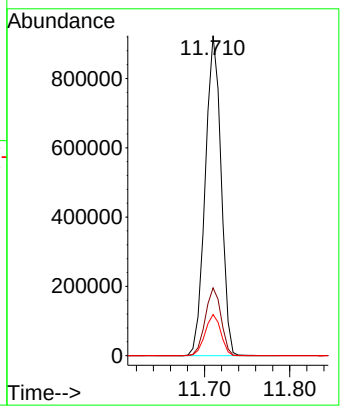


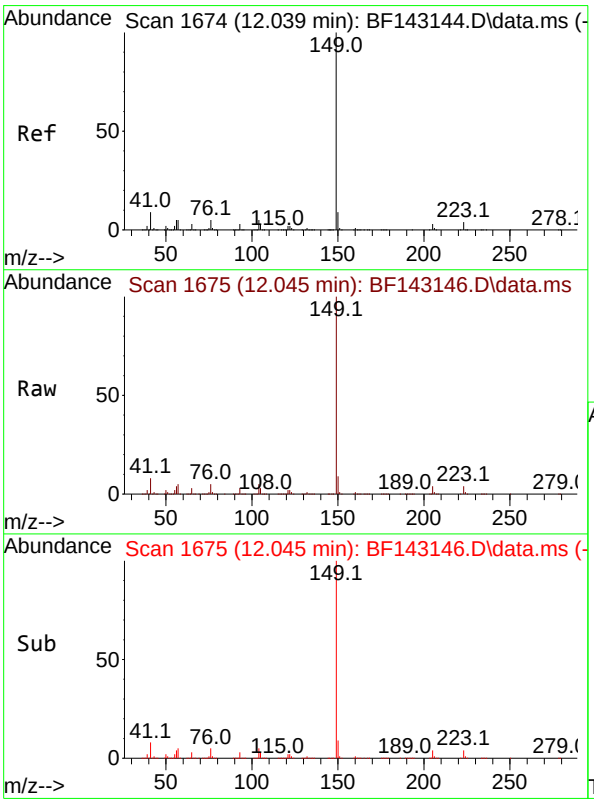
#73
Carbazole
Concen: 57.015 ng
RT: 11.710 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

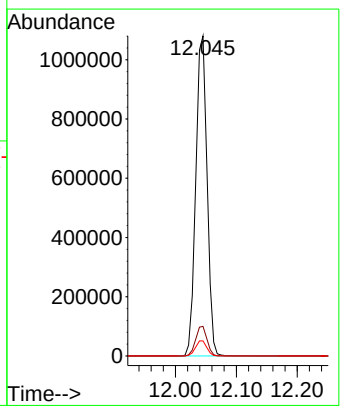


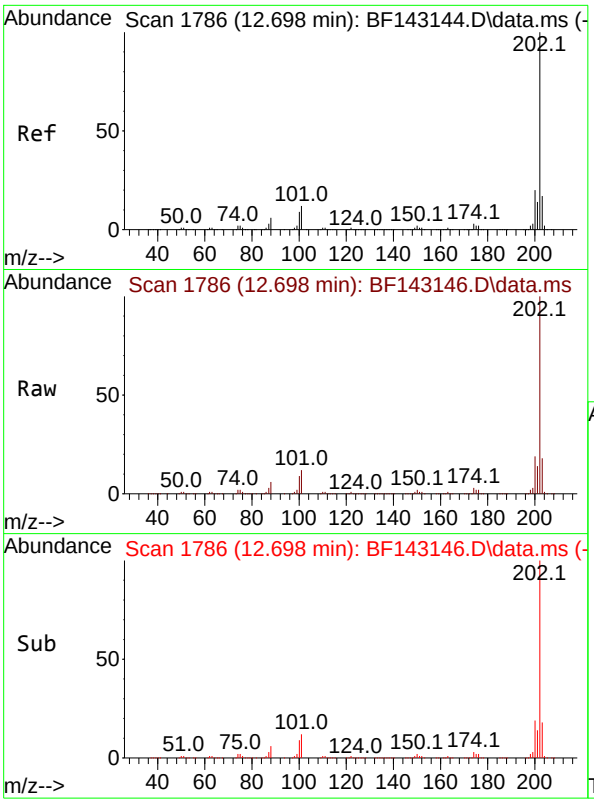


#74
Di-n-butylphthalate
Concen: 58.757 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



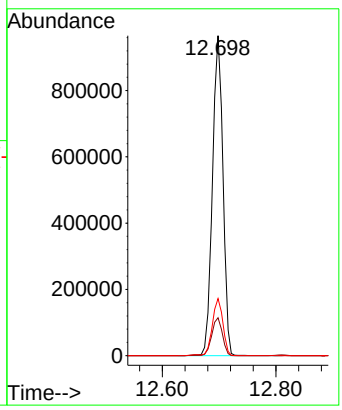


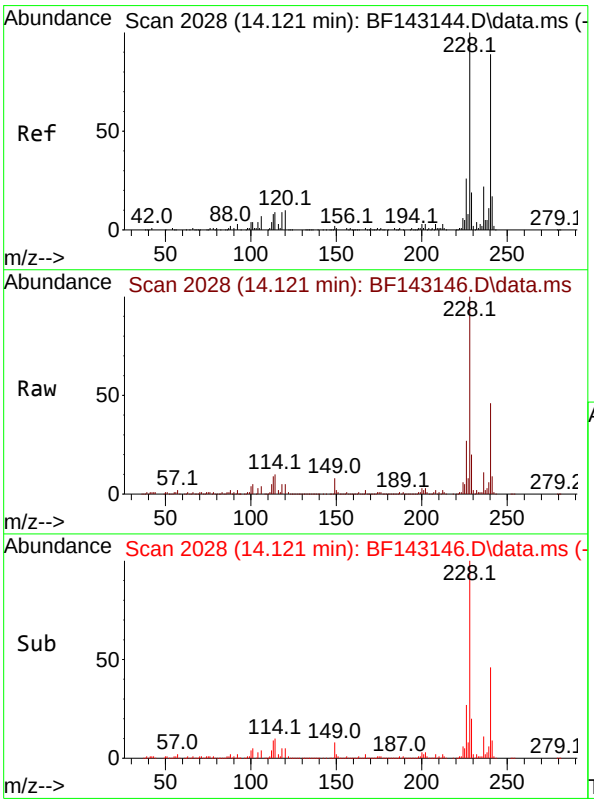
#75
Fluoranthene
Concen: 57.122 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

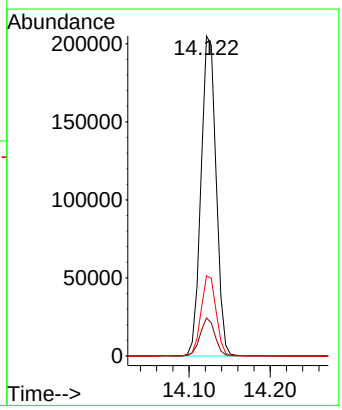


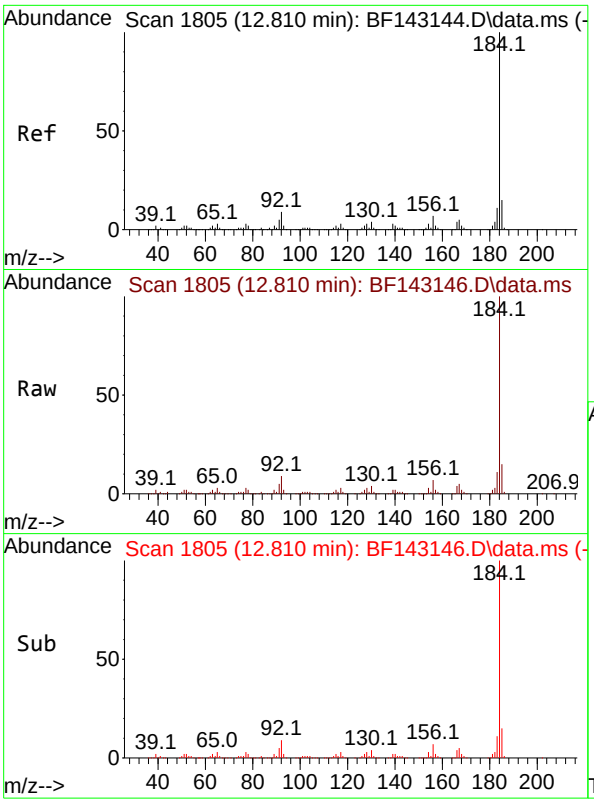


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



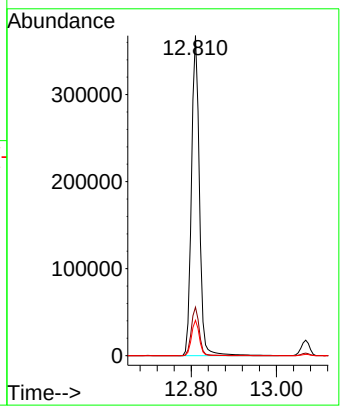


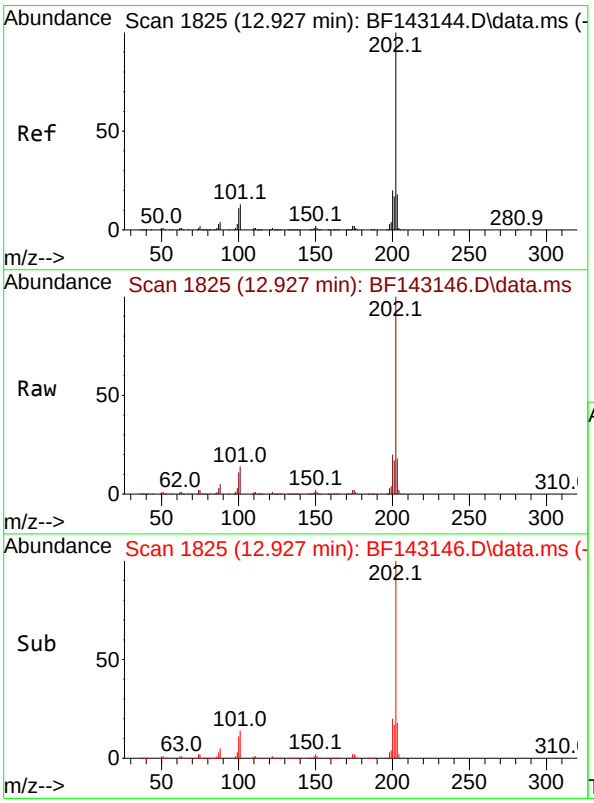
#77
Benzidine
Concen: 46.785 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

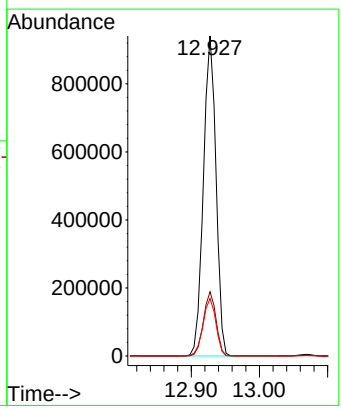


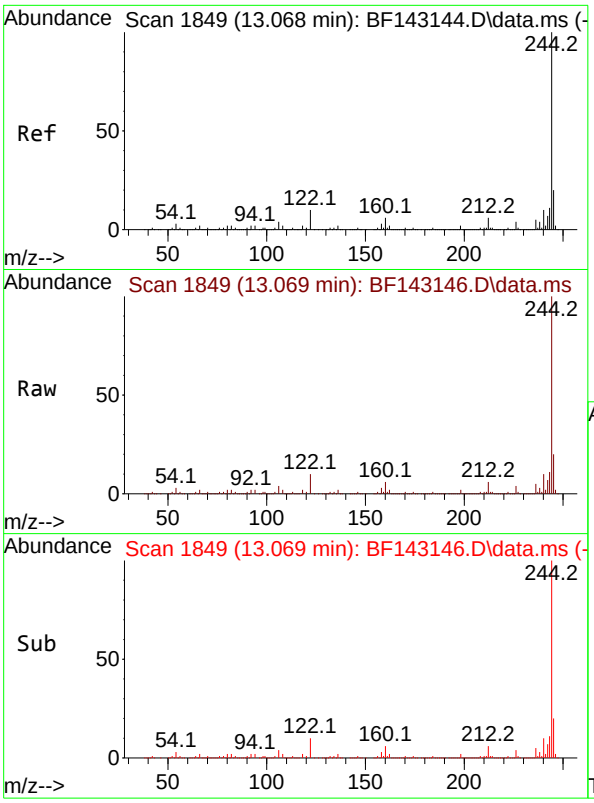


#78
Pyrene
Concen: 53.536 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



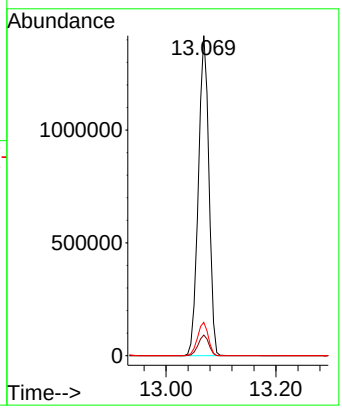


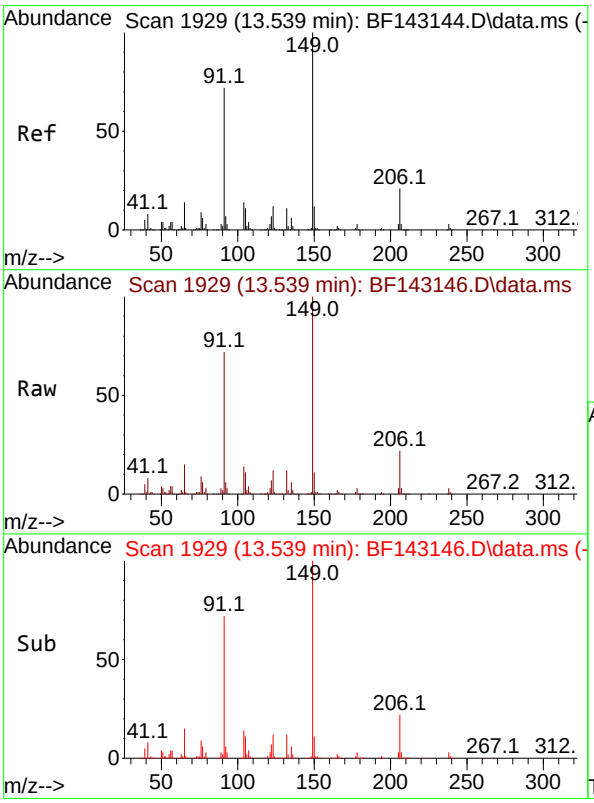
#79
Terphenyl-d14
Concen: 106.298 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

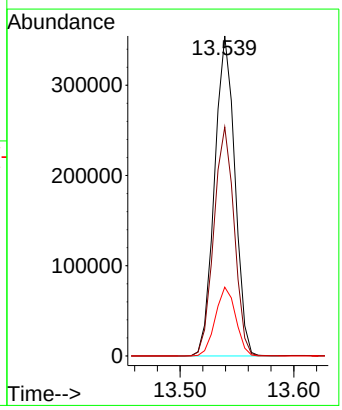


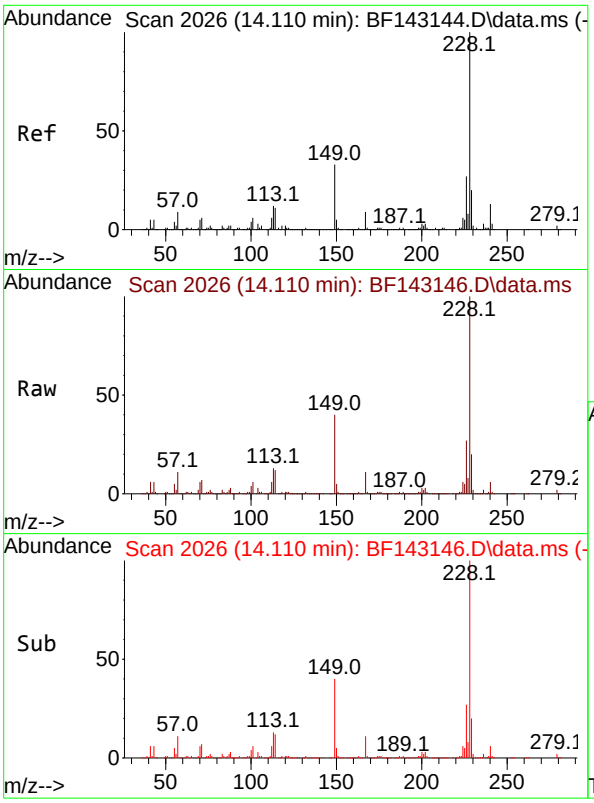


#80
Butylbenzylphthalate
Concen: 63.875 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



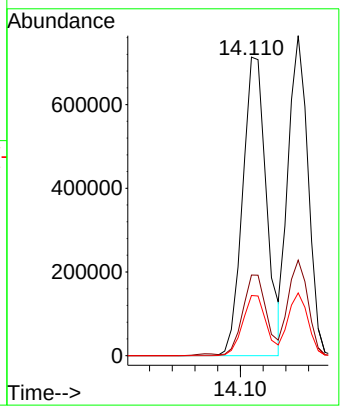


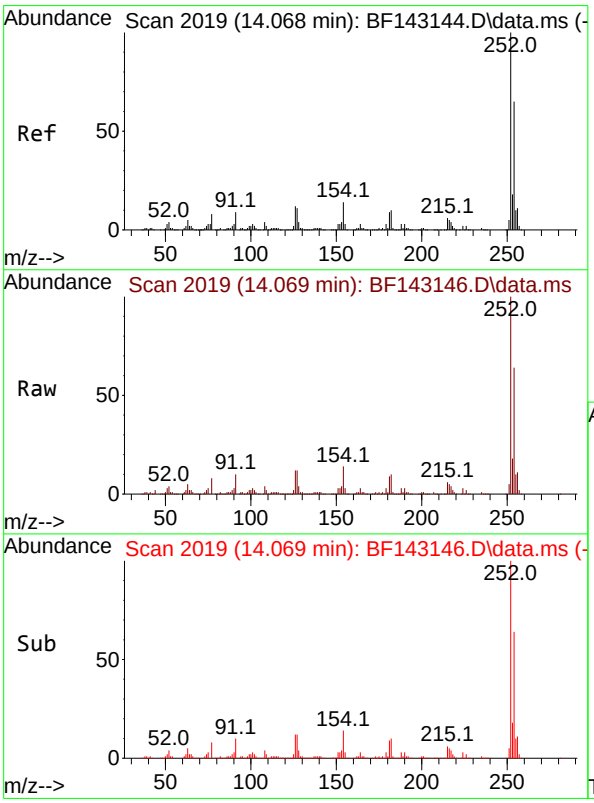
#81
Benzo(a)anthracene
Concen: 58.825 ng
RT: 14.110 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

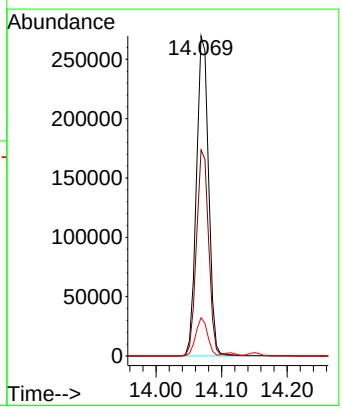


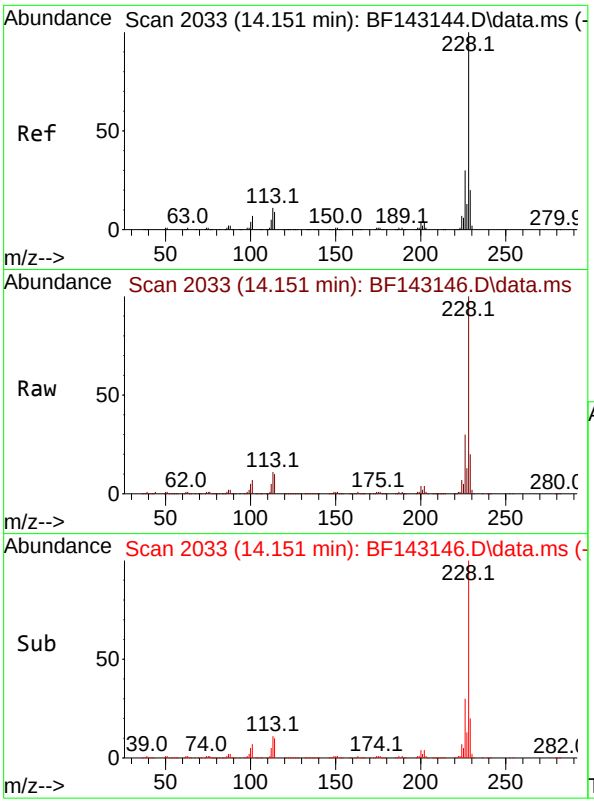


#82
3,3'-Dichlorobenzidine
Concen: 59.155 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



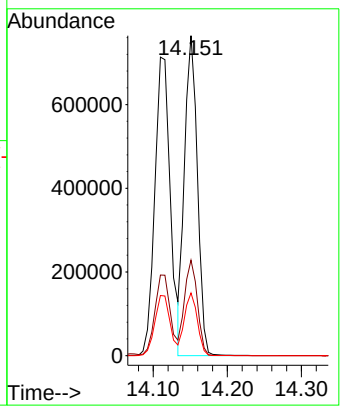


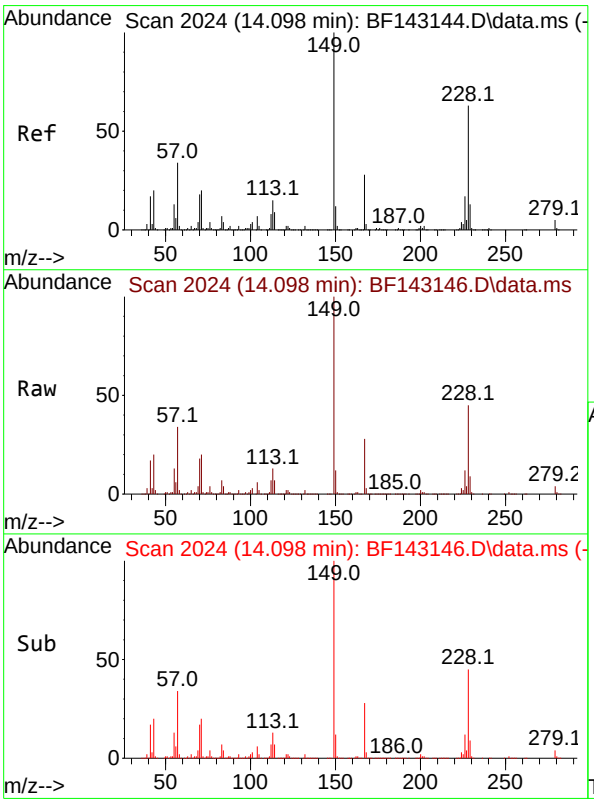
#83
Chrysene
Concen: 58.472 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

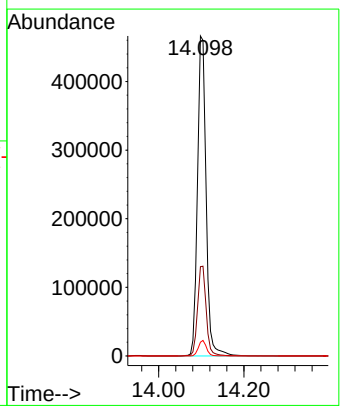


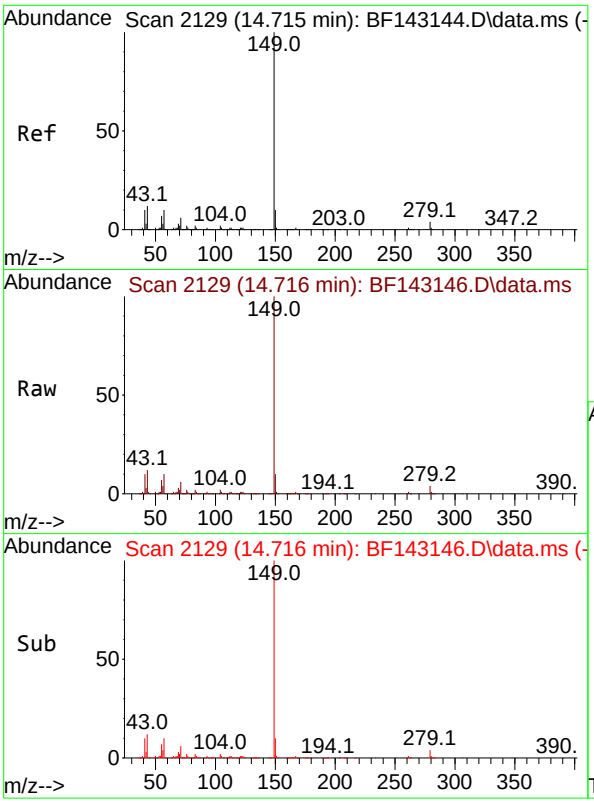


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.678 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



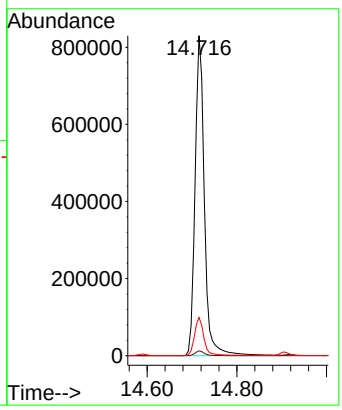


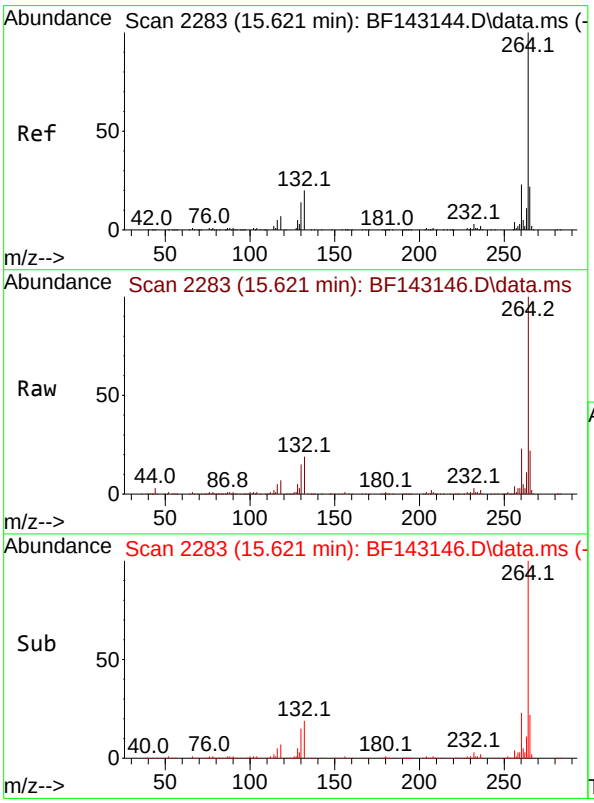
#85
Di-n-octyl phthalate
Concen: 63.095 ng
RT: 14.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

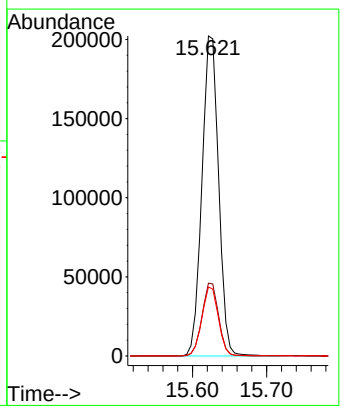


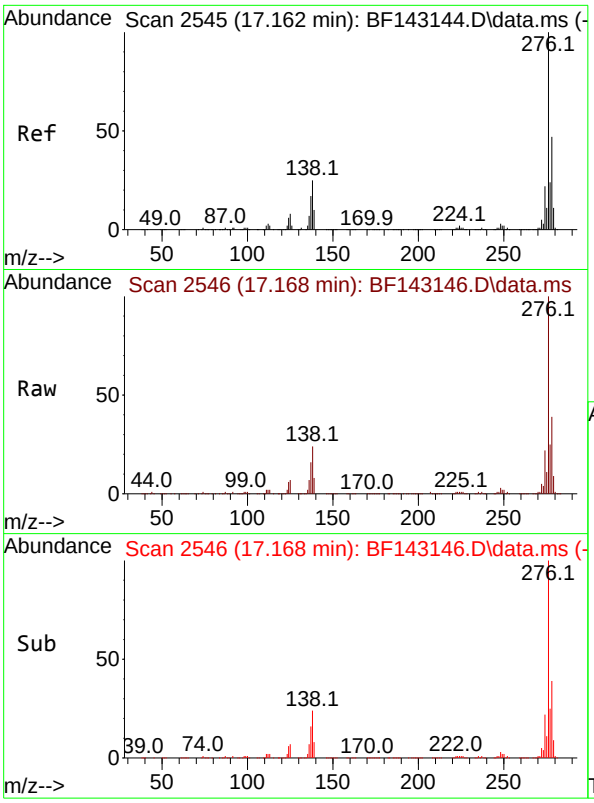


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



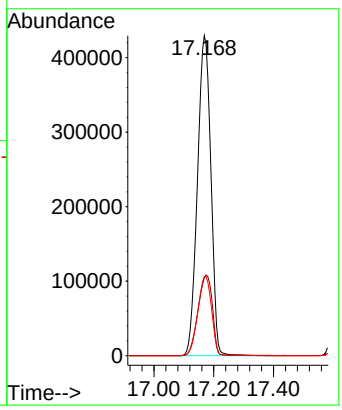


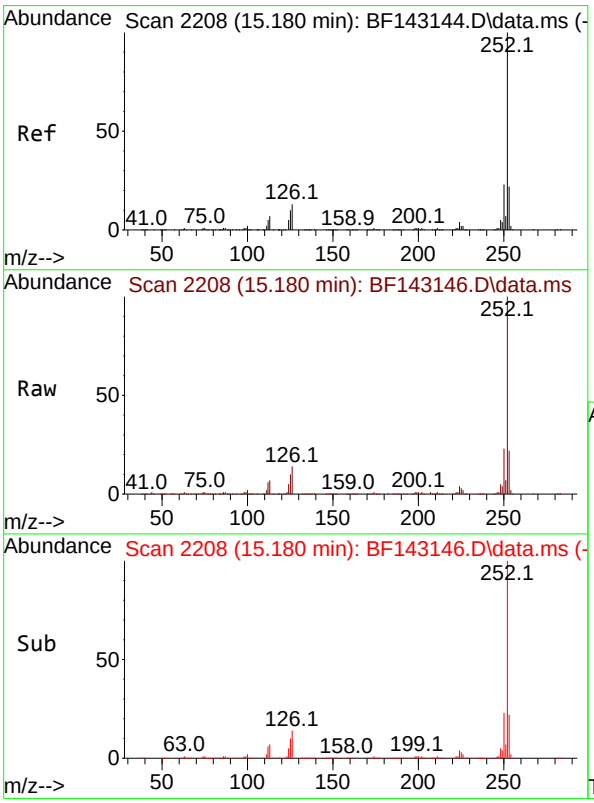
#87
Indeno(1,2,3-cd)pyrene
Concen: 60.037 ng
RT: 17.168 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

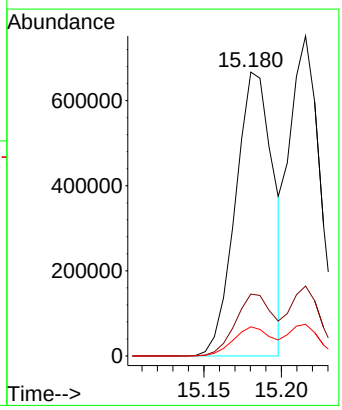


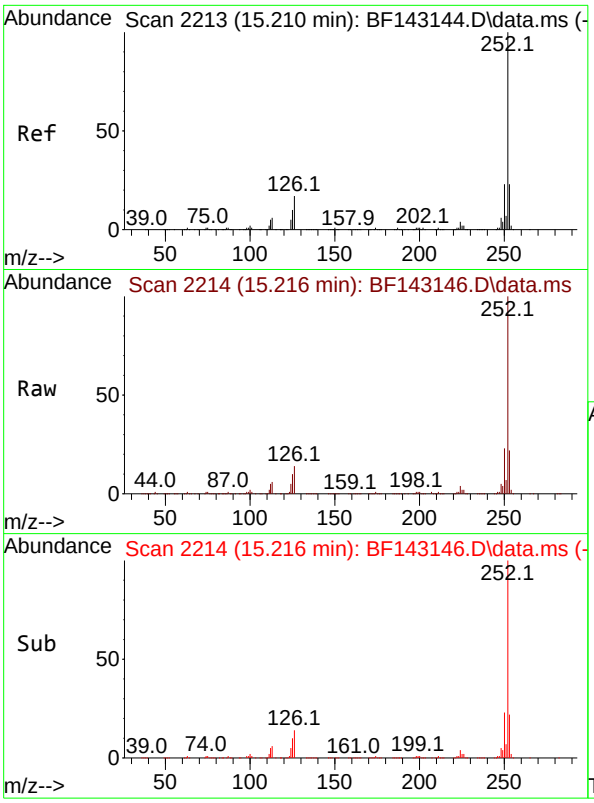


#88
Benzo(b)fluoranthene
Concen: 58.328 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



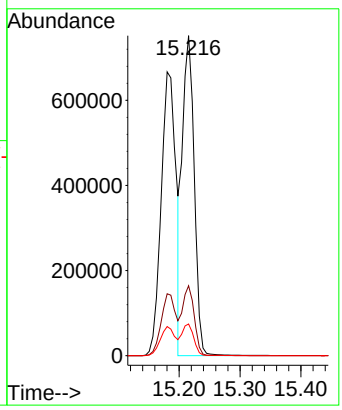


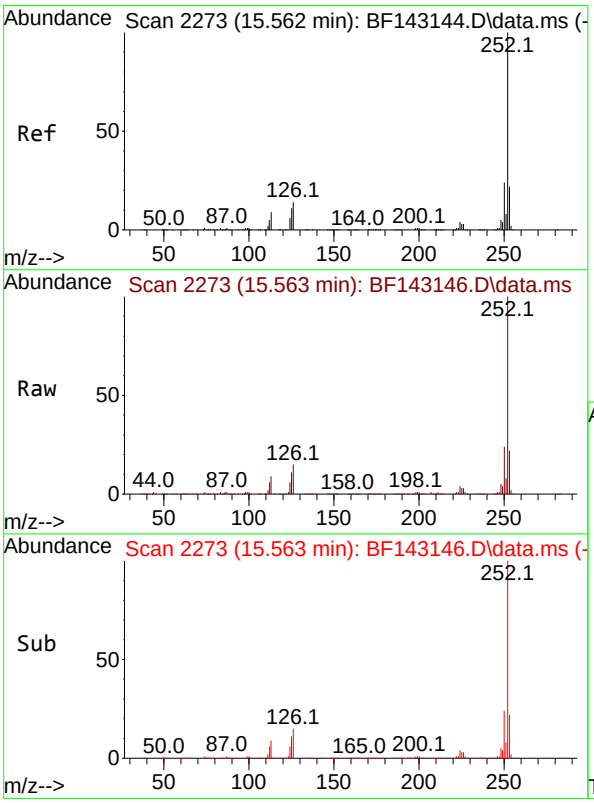
#89
Benzo(k)fluoranthene
Concen: 59.411 ng
RT: 15.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

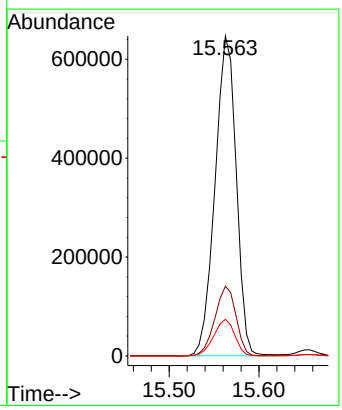


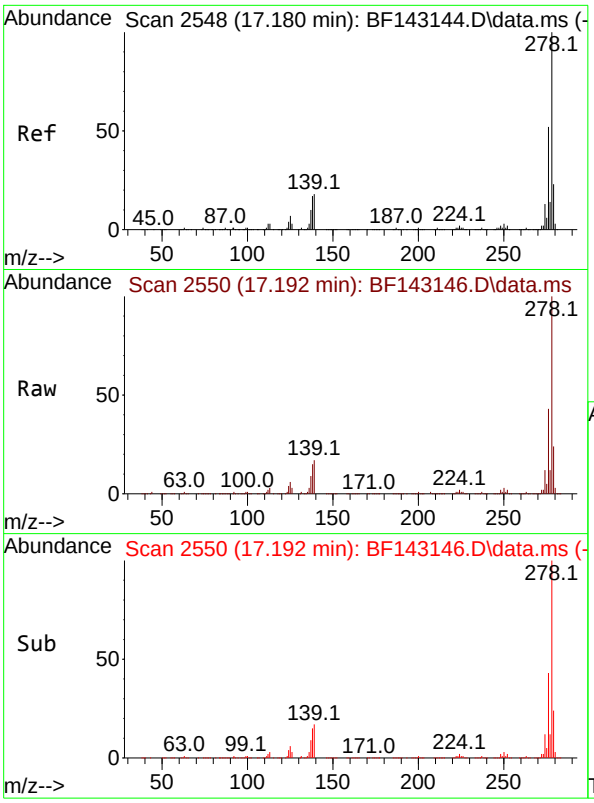


#90
Benzo(a)pyrene
Concen: 59.730 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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



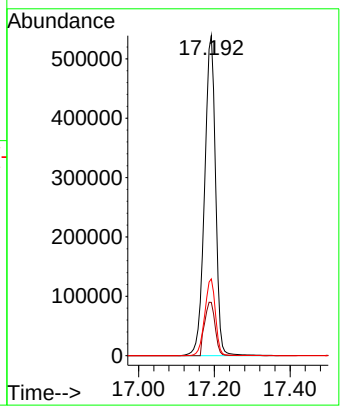


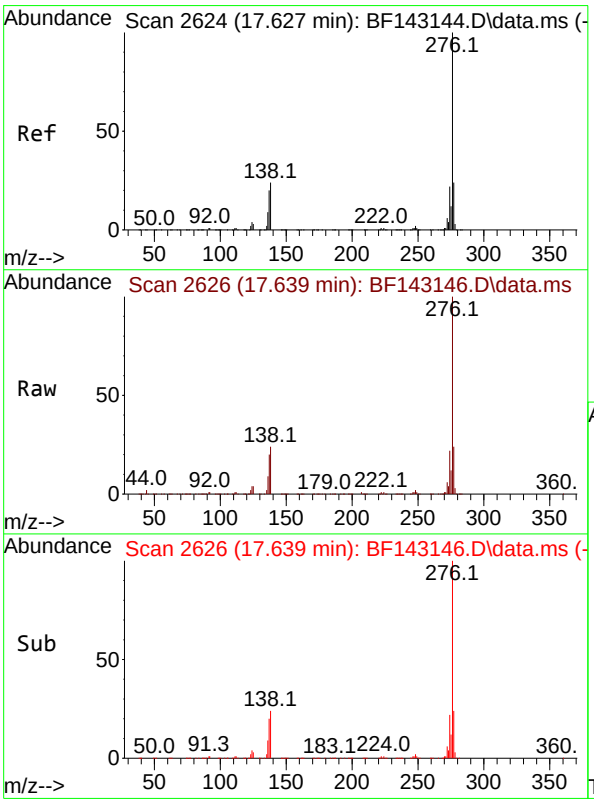
#91
Dibenzo(a,h)anthracene
Concen: 59.610 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

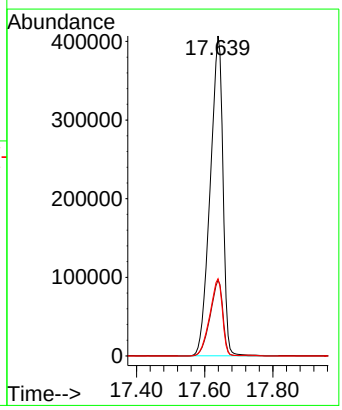




#92
Benzo(g,h,i)perylene
Concen: 60.163 ng
RT: 17.639 min Scan# 2626
Delta R.T. 0.012 min
Lab File: BF143146.D
Acq: 17 Jul 2025 14:04

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

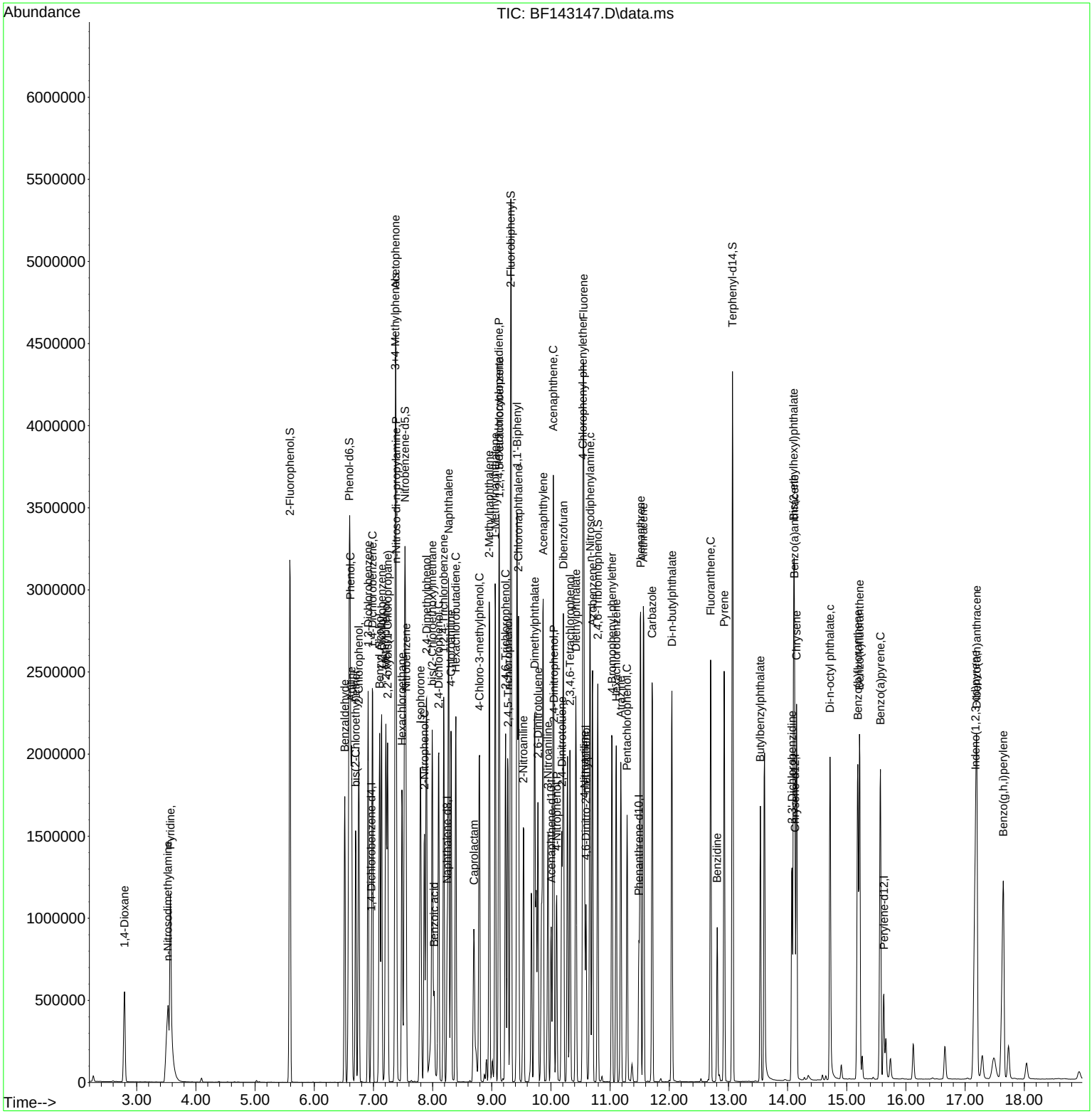
(#) = qualifier out of range (m) = manual integration (+) = signals summed

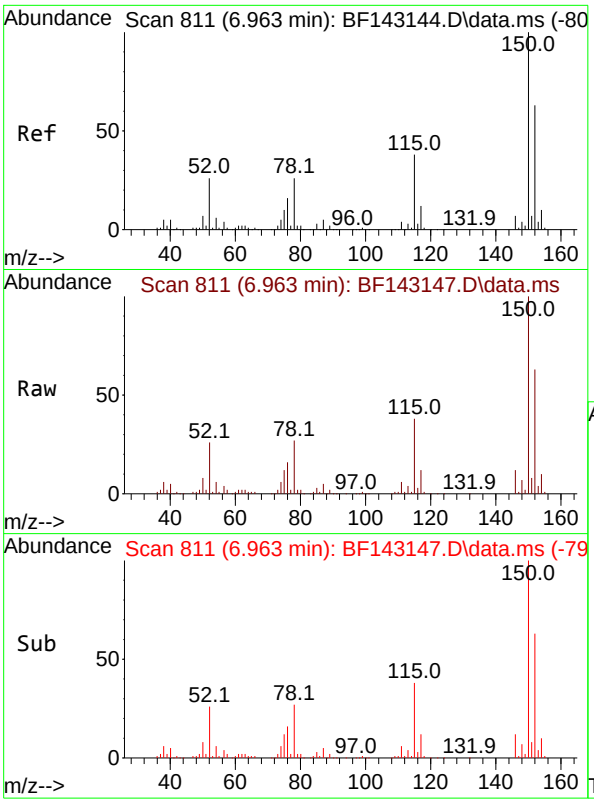
Quantitation Report (Not Reviewed)

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



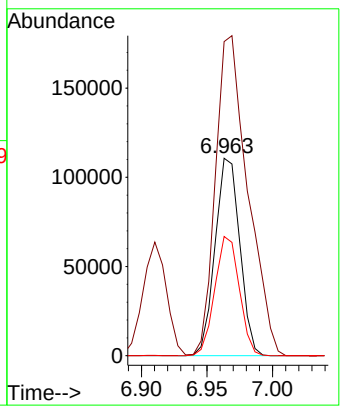


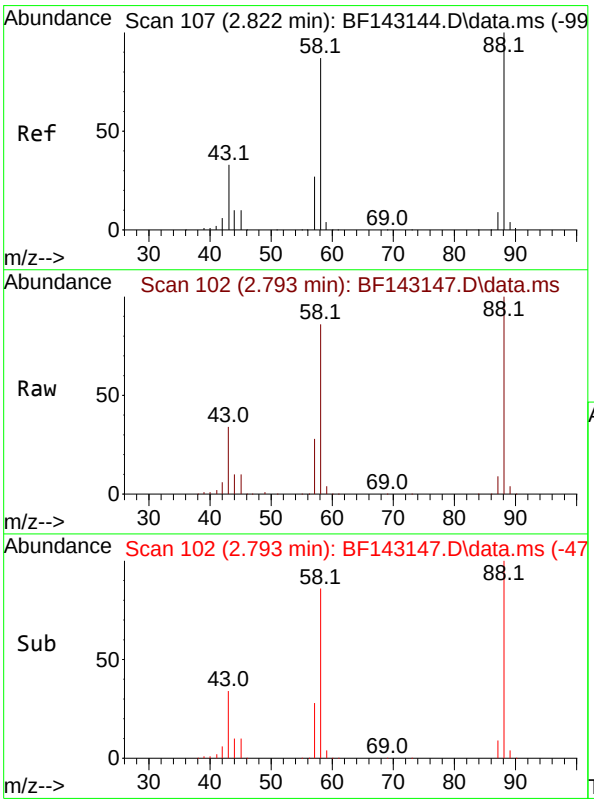
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

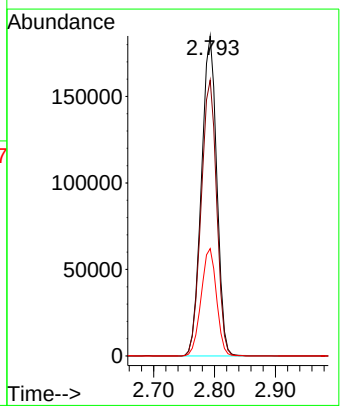


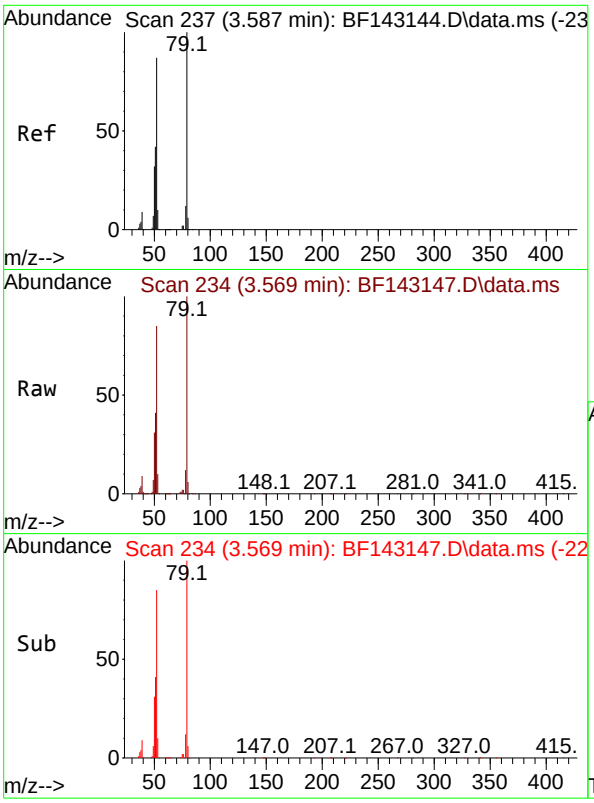


#2
1,4-Dioxane
Concen: 74.710 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



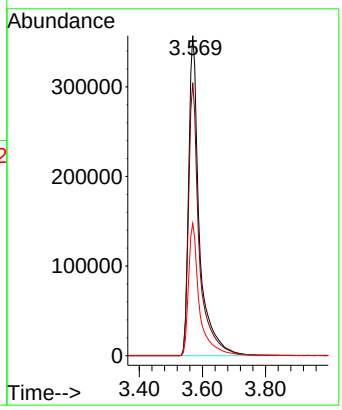


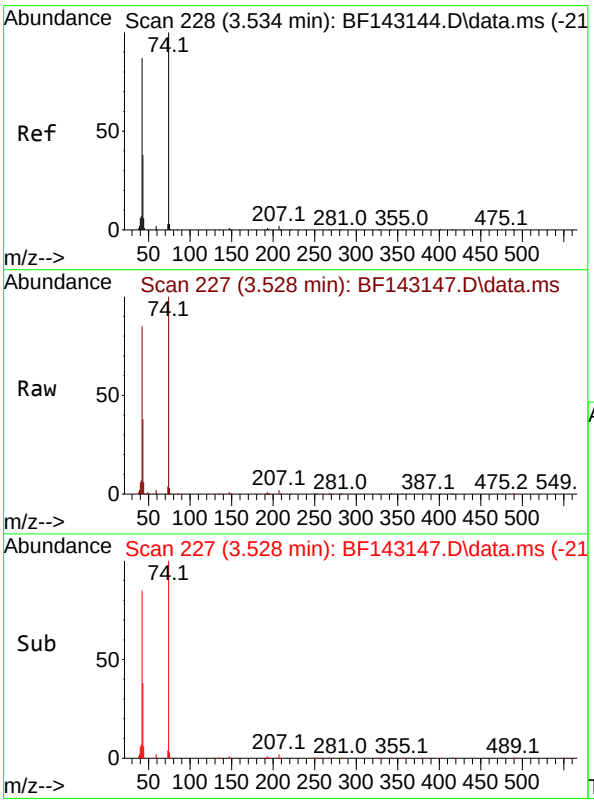
#3
Pyridine
Concen: 74.844 ng
RT: 3.569 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

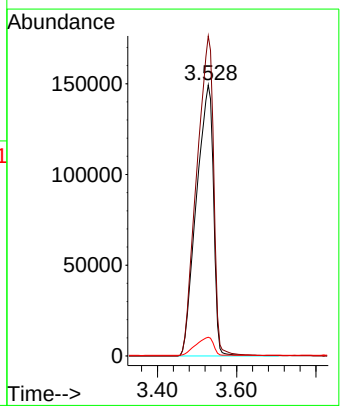


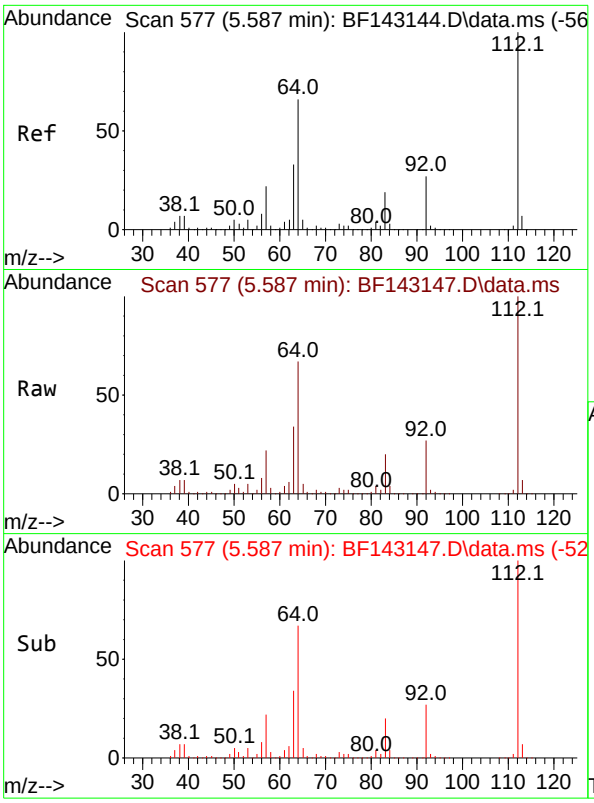


#4
n-Nitrosodimethylamine
Concen: 76.677 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



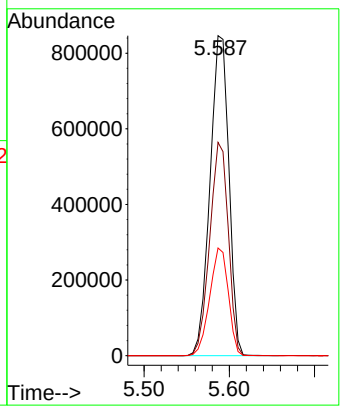


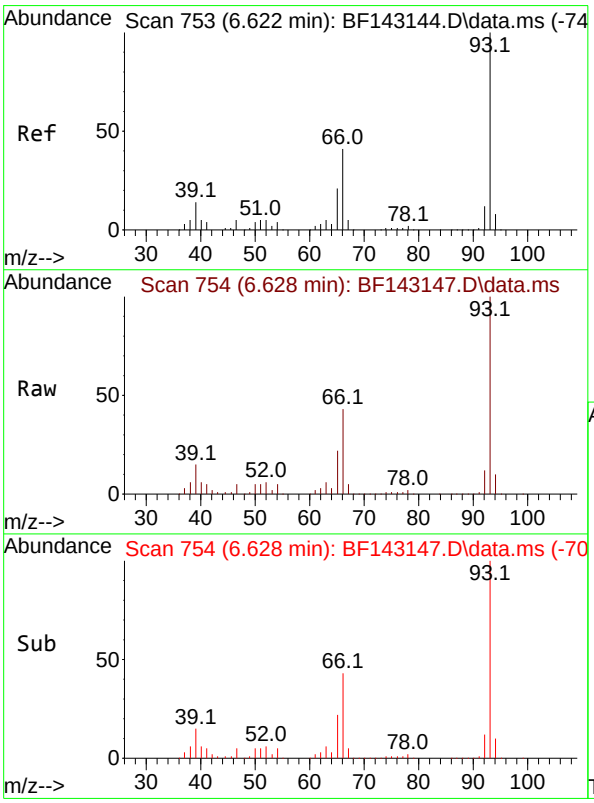
#5
2-Fluorophenol
Concen: 141.880 ng
RT: 5.587 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

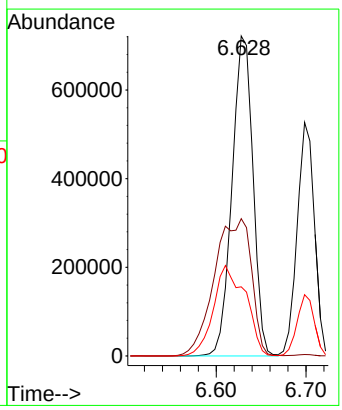


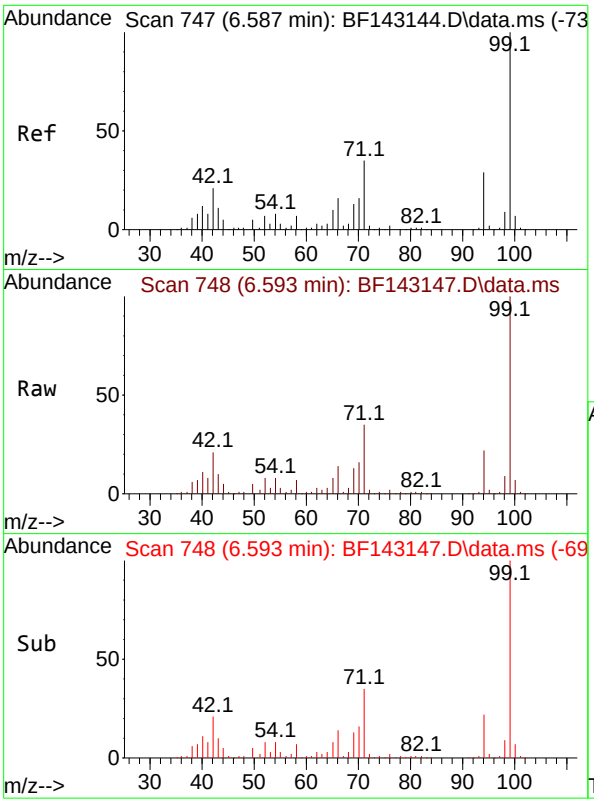


#6
Aniline
Concen: 72.831 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



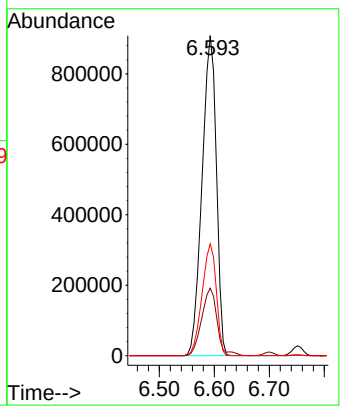


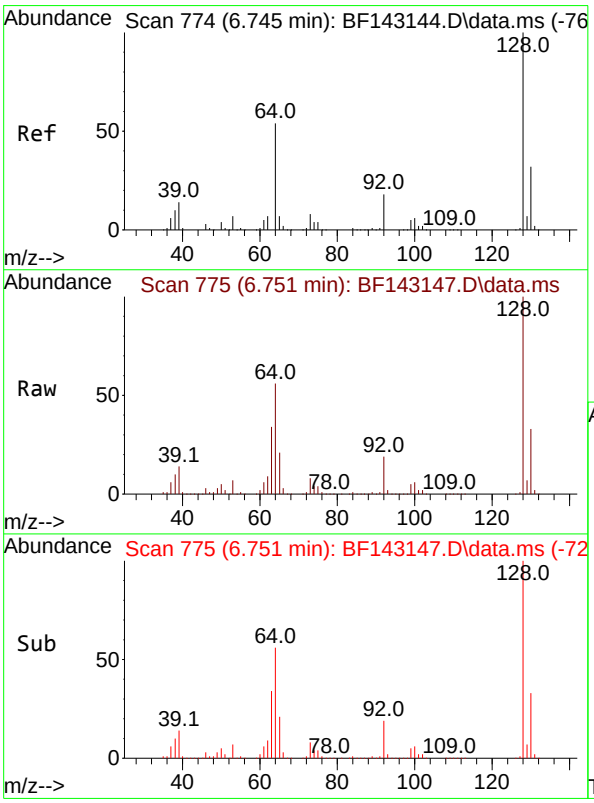
#7
Phenol-d6
Concen: 142.159 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

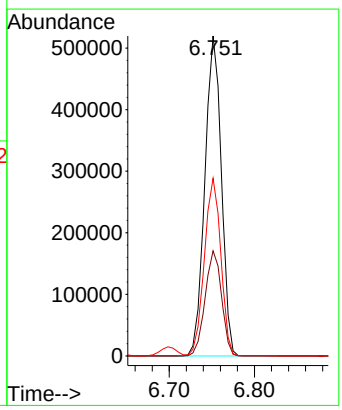


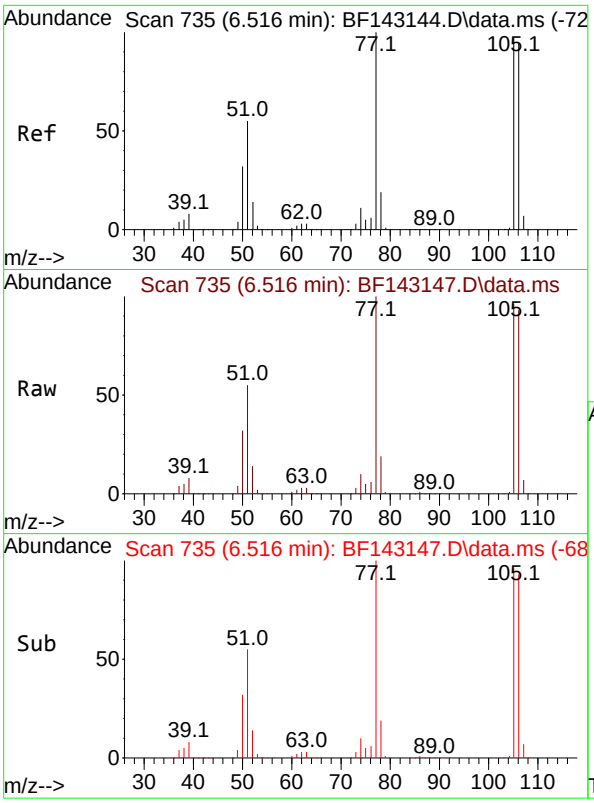


#8
2-Chlorophenol
Concen: 72.781 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



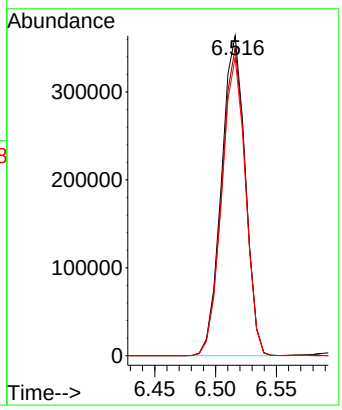


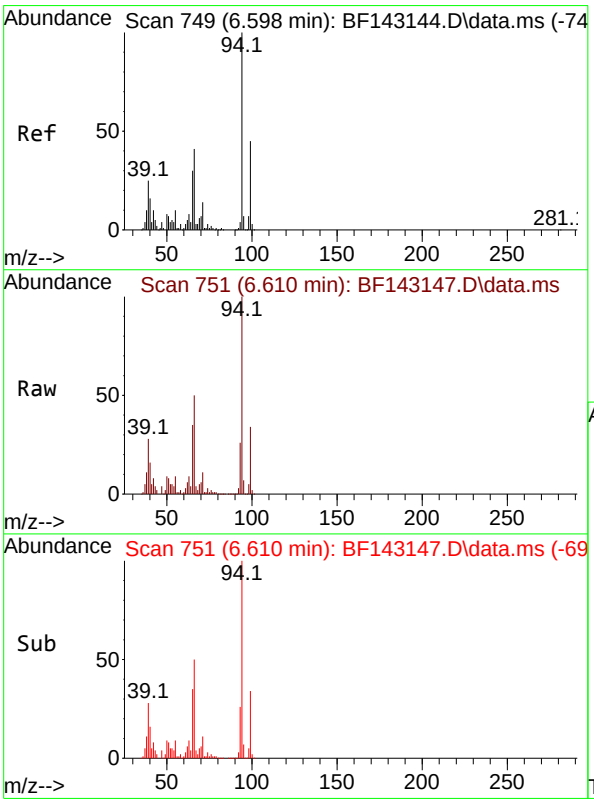
#9
Benzaldehyde
Concen: 57.055 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

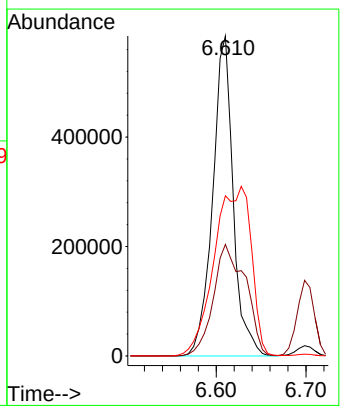


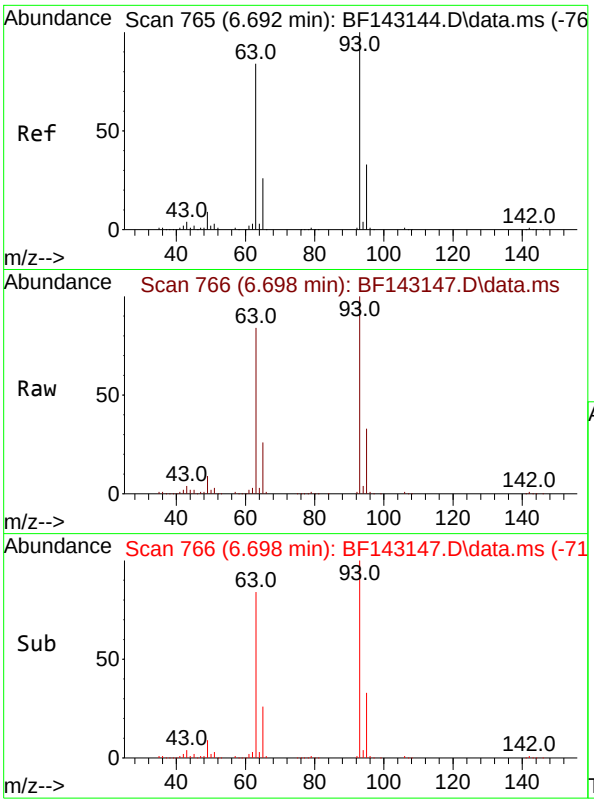


#10
Phenol
Concen: 73.783 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



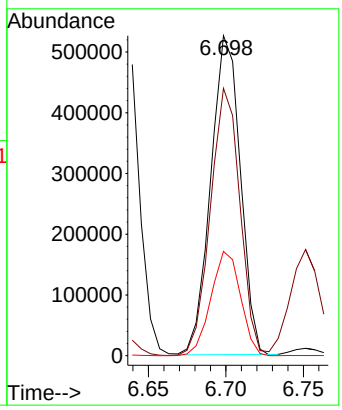


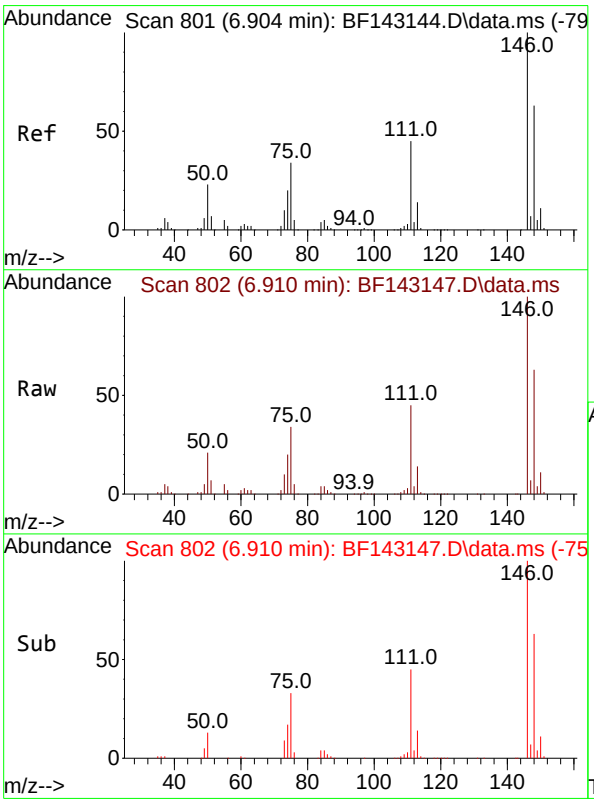
#11
bis(2-Chloroethyl)ether
Concen: 72.503 ng
RT: 6.698 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

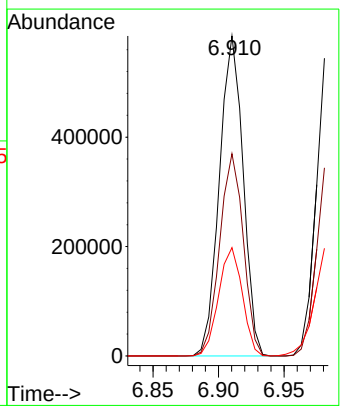


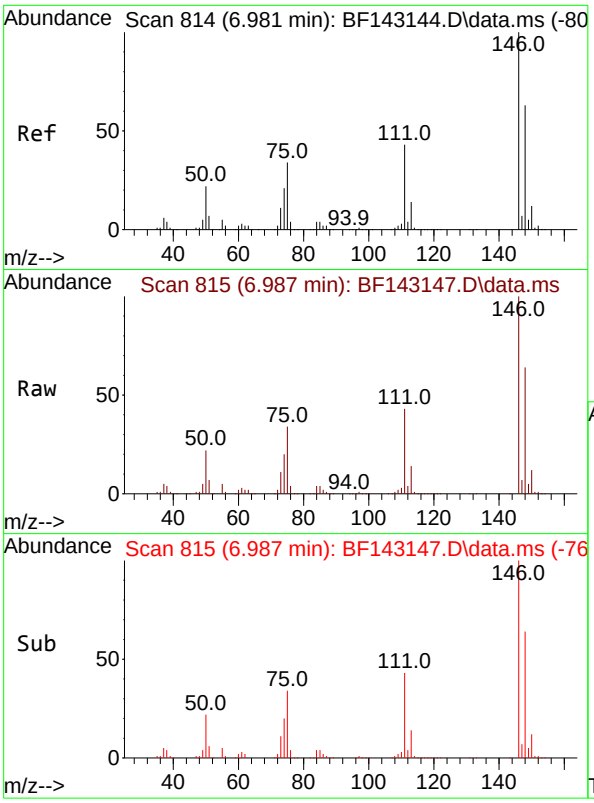


#12
1,3-Dichlorobenzene
Concen: 70.400 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



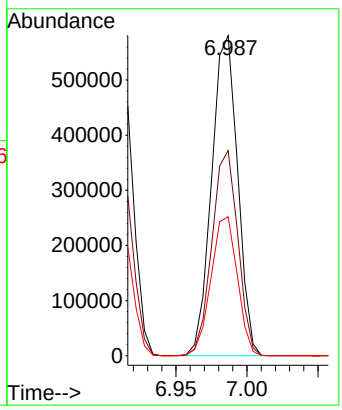


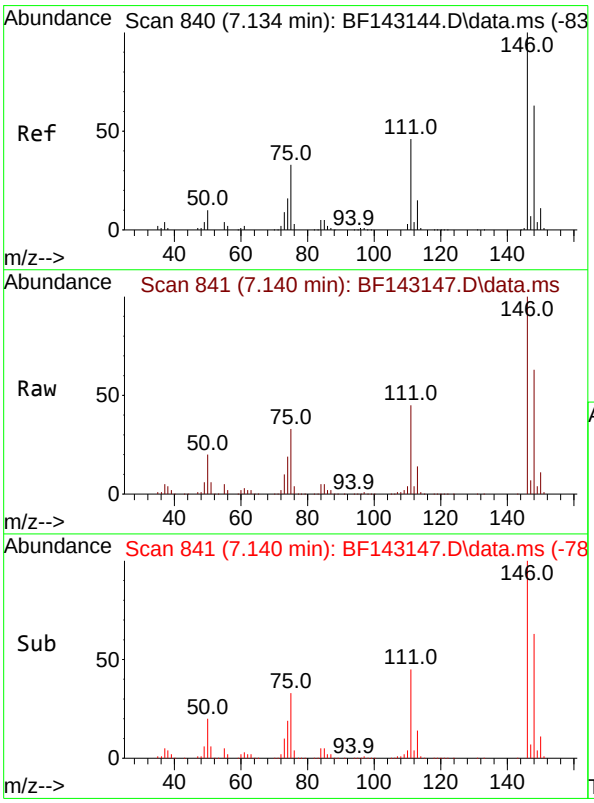
#13
1,4-Dichlorobenzene
Concen: 70.360 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

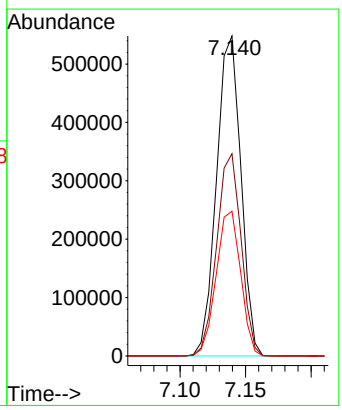


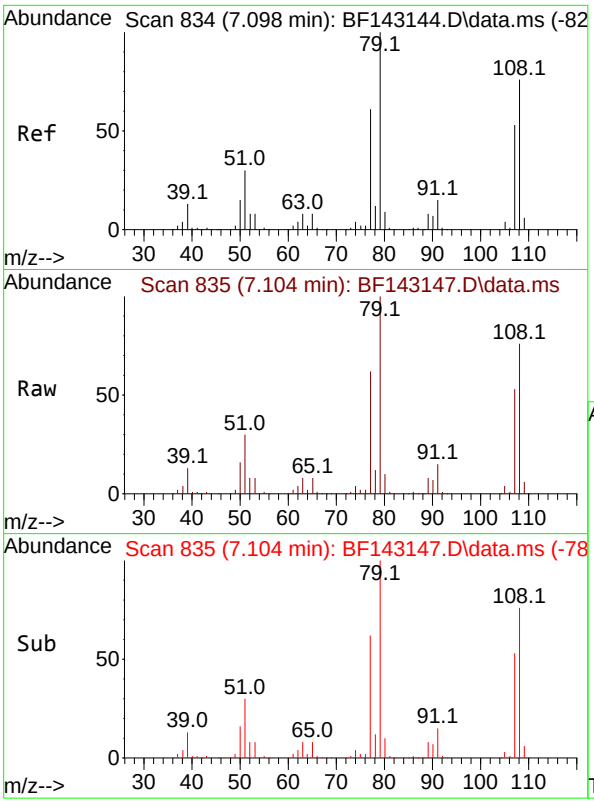


#14
1,2-Dichlorobenzene
Concen: 70.958 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



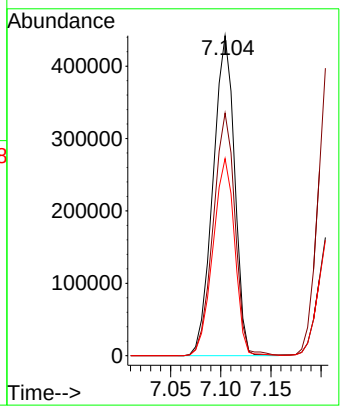


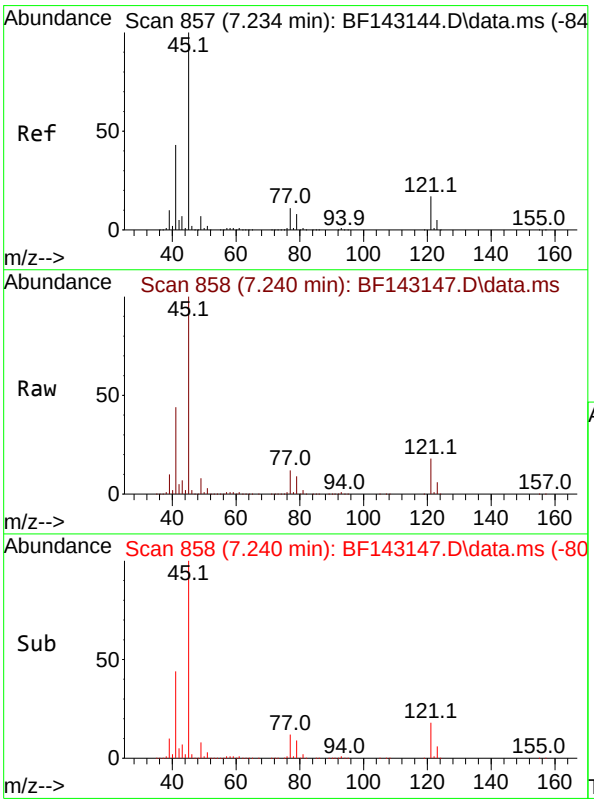
#15
Benzyl Alcohol
Concen: 75.139 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

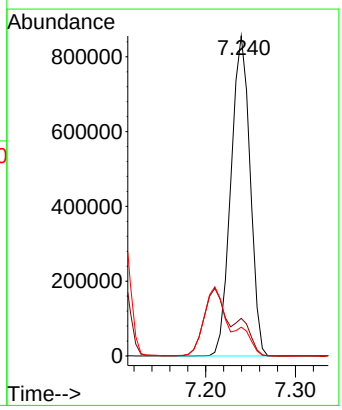


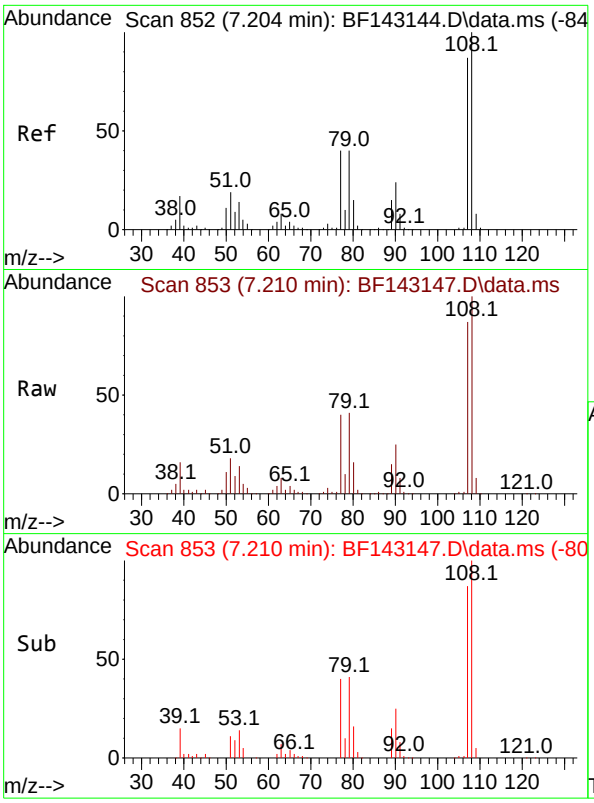


#16
2,2'-oxybis(1-Chloropropane)
Concen: 70.902 ng
RT: 7.240 min Scan# 858
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



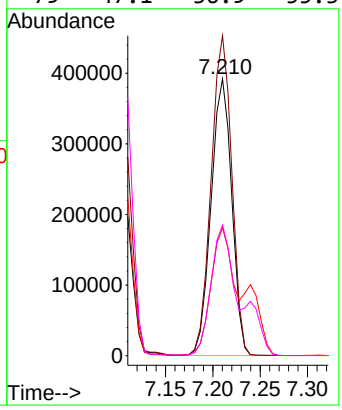


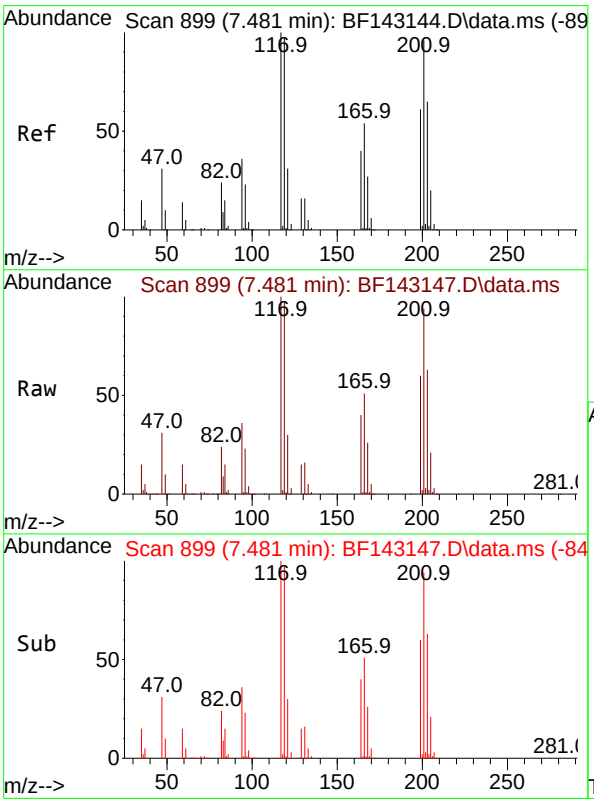
#17
2-Methylphenol
Concen: 73.719 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

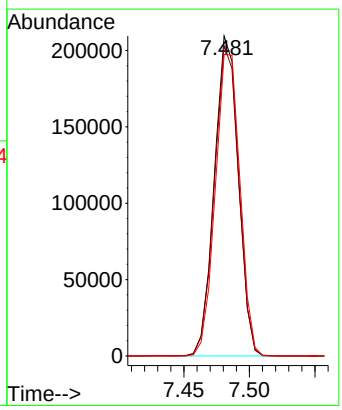


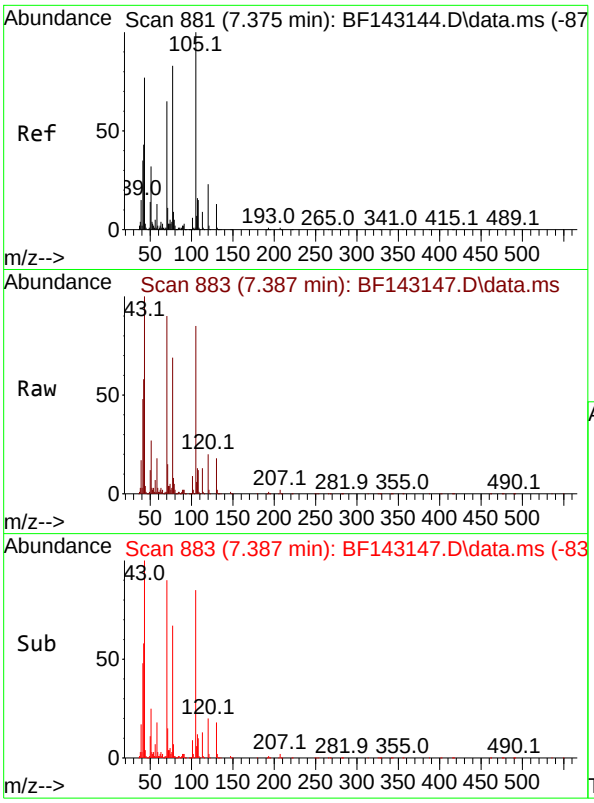


#18
Hexachloroethane
Concen: 73.293 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



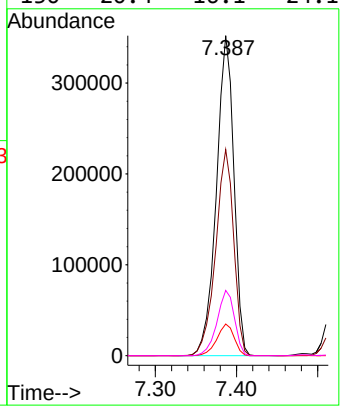


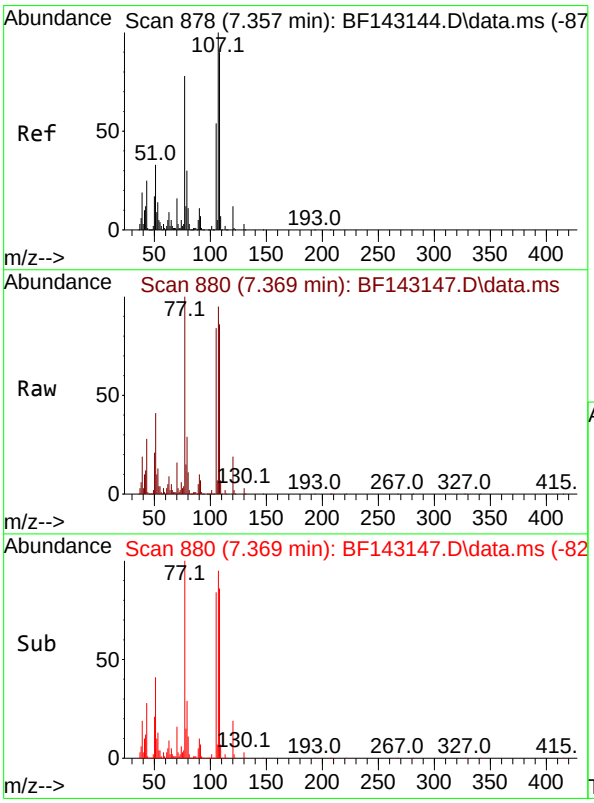
#19
n-Nitroso-di-n-propylamine
Concen: 71.452 ng
RT: 7.387 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

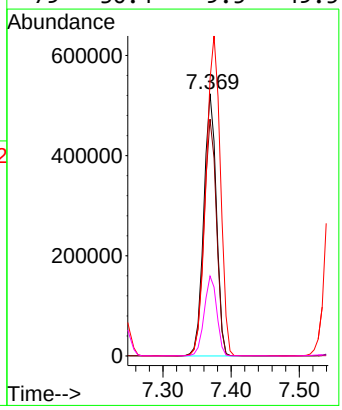


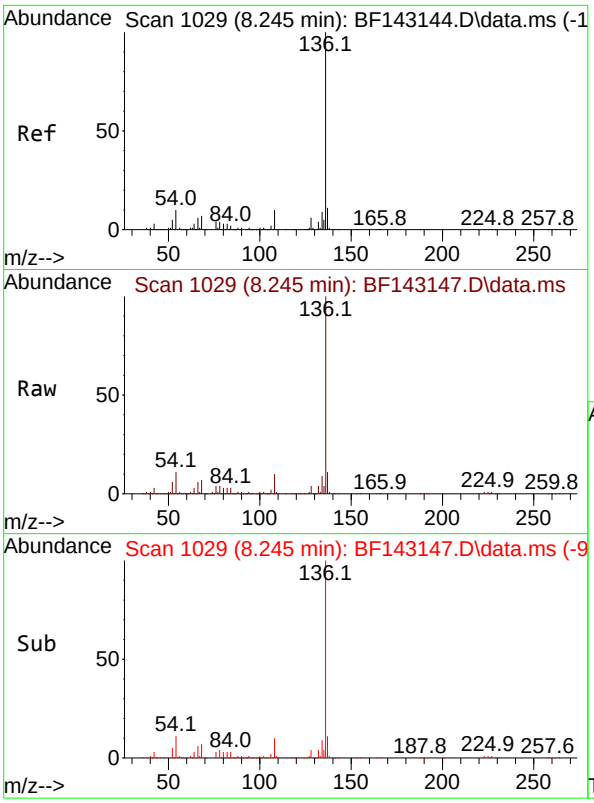


#20
3+4-Methylphenols
Concen: 68.763 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



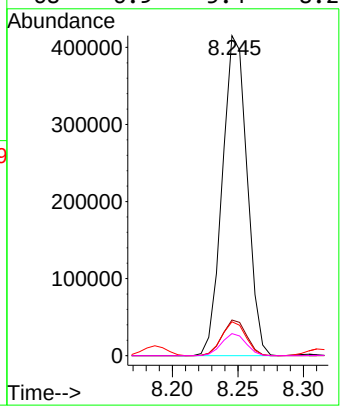


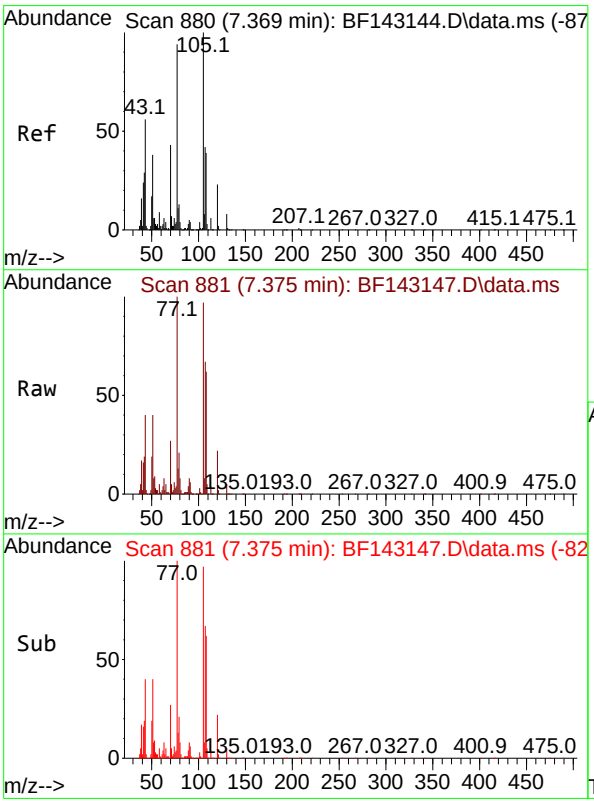
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

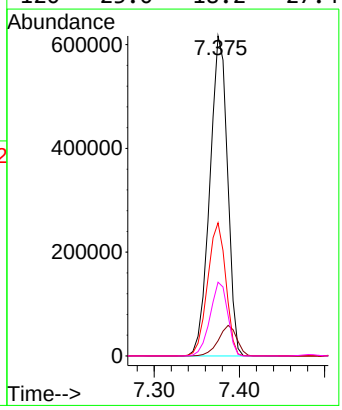


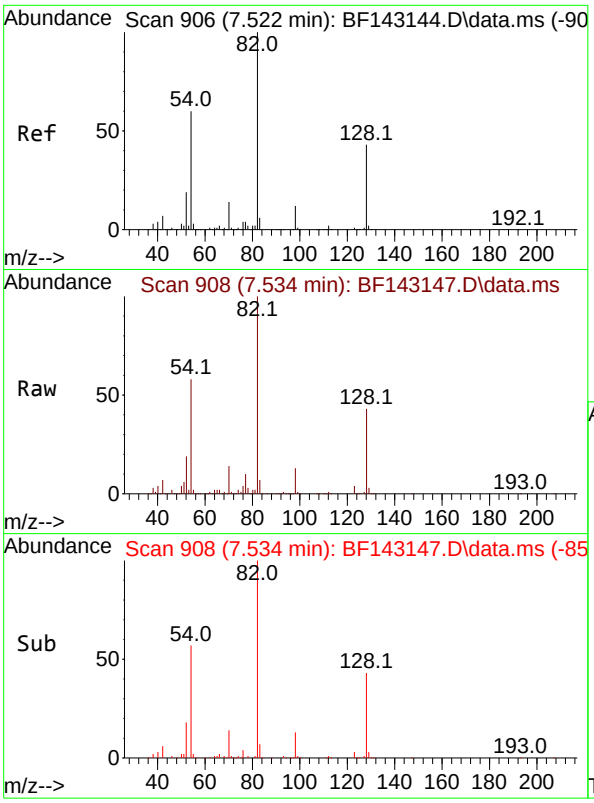


#22
Acetophenone
Concen: 69.107 ng
RT: 7.375 min Scan# 881
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



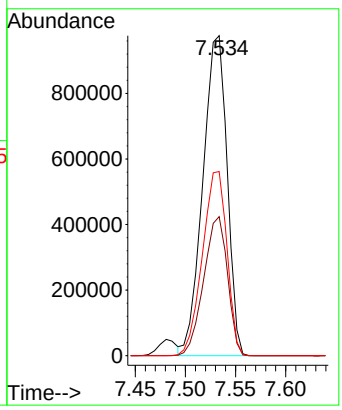


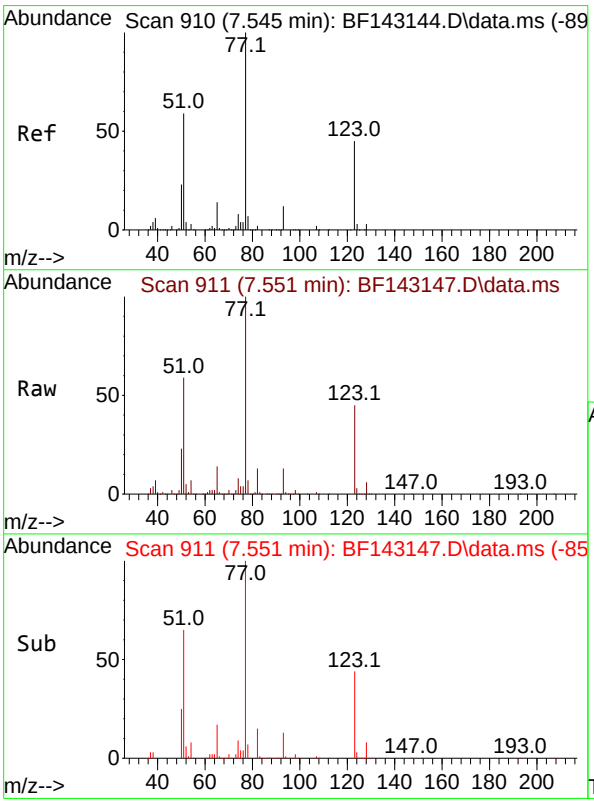
#23
Nitrobenzene-d5
Concen: 150.551 ng
RT: 7.534 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

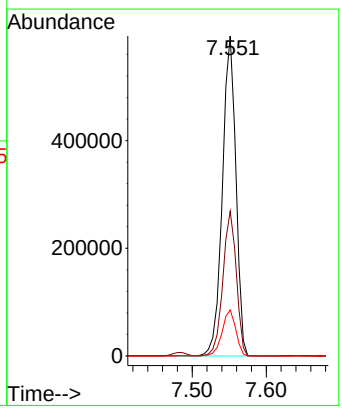


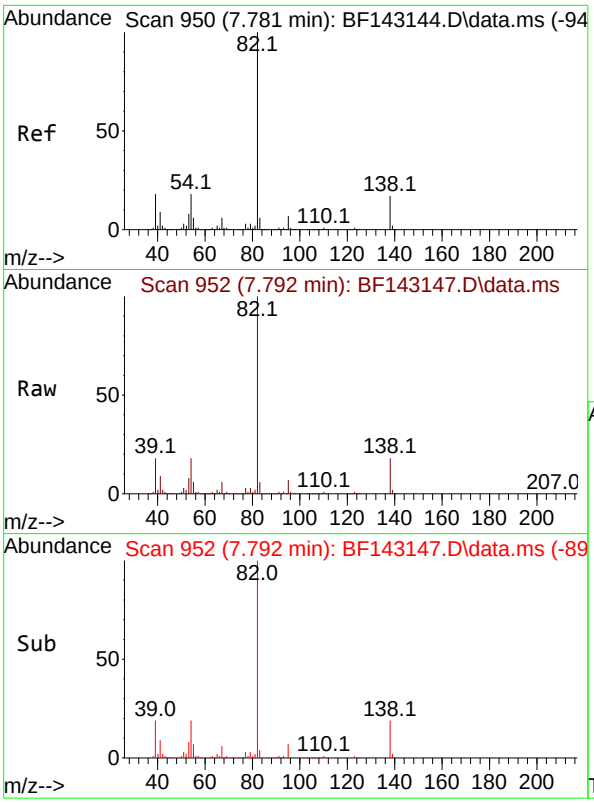


#24
Nitrobenzene
Concen: 73.836 ng
RT: 7.551 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



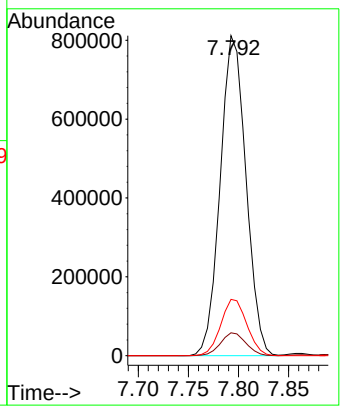


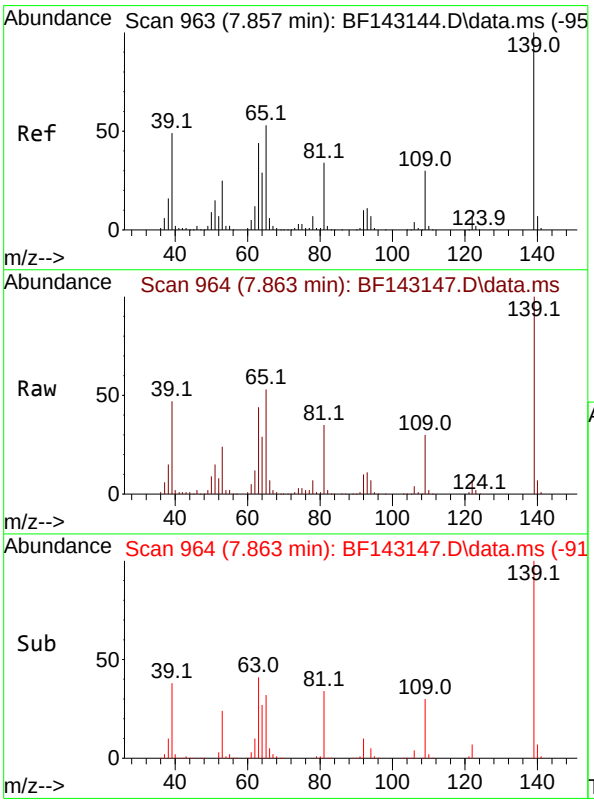
#25
Isophorone
Concen: 75.366 ng
RT: 7.792 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

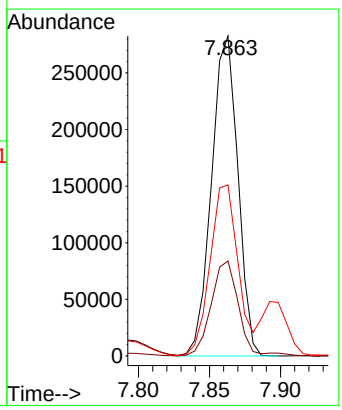


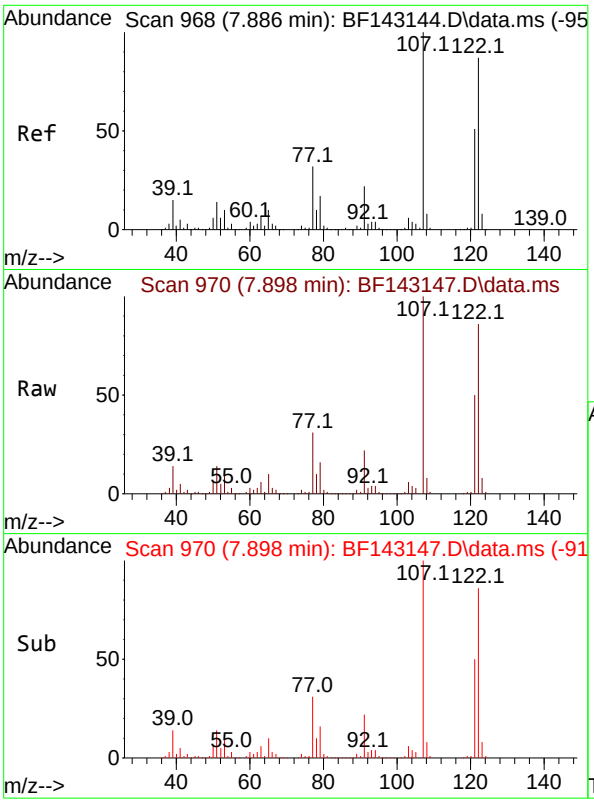


#26
2-Nitrophenol
Concen: 82.568 ng
RT: 7.863 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



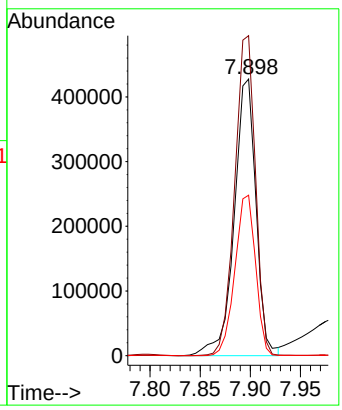


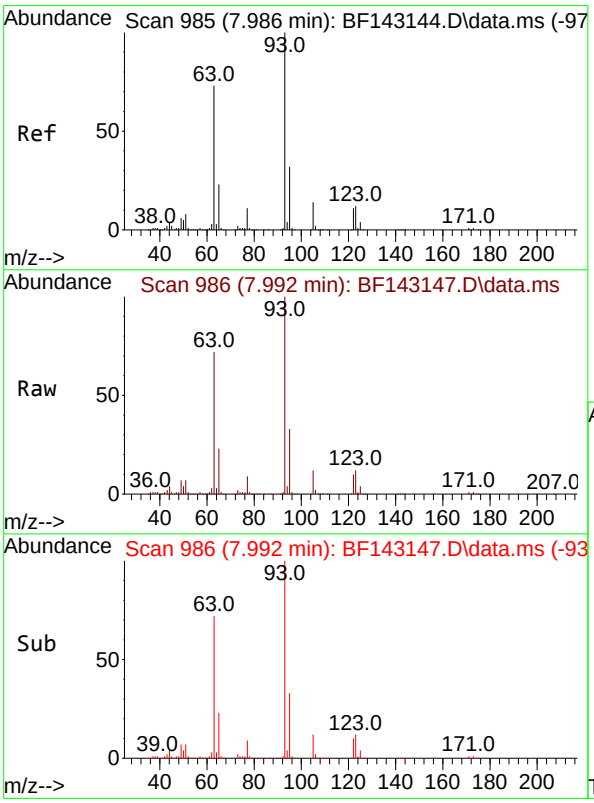
#27
2,4-Dimethylphenol
Concen: 72.050 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

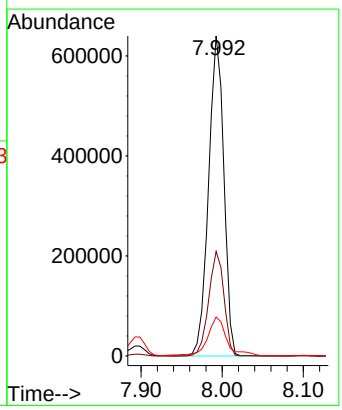


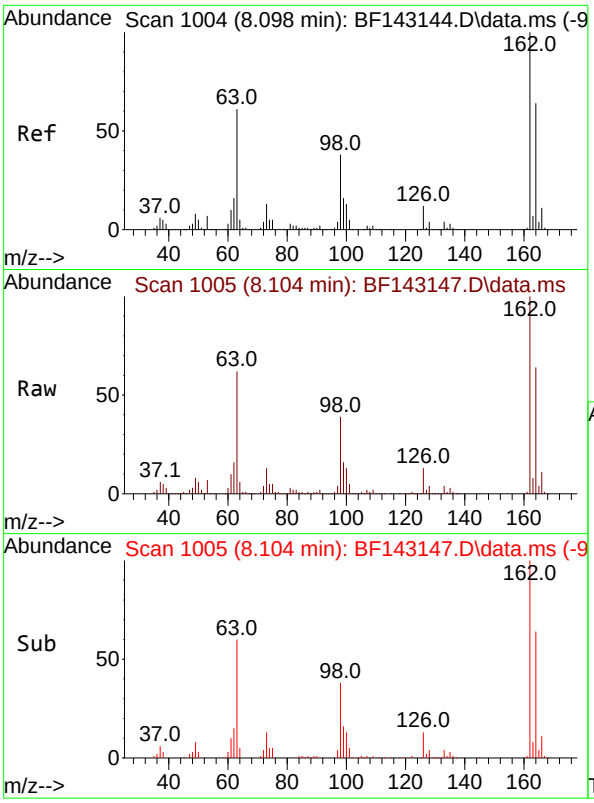


#28
bis(2-Chloroethoxy)methane
Concen: 72.134 ng
RT: 7.992 min Scan# 986
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



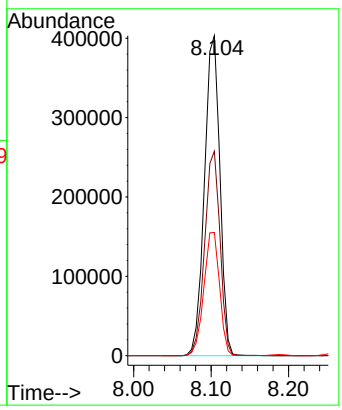


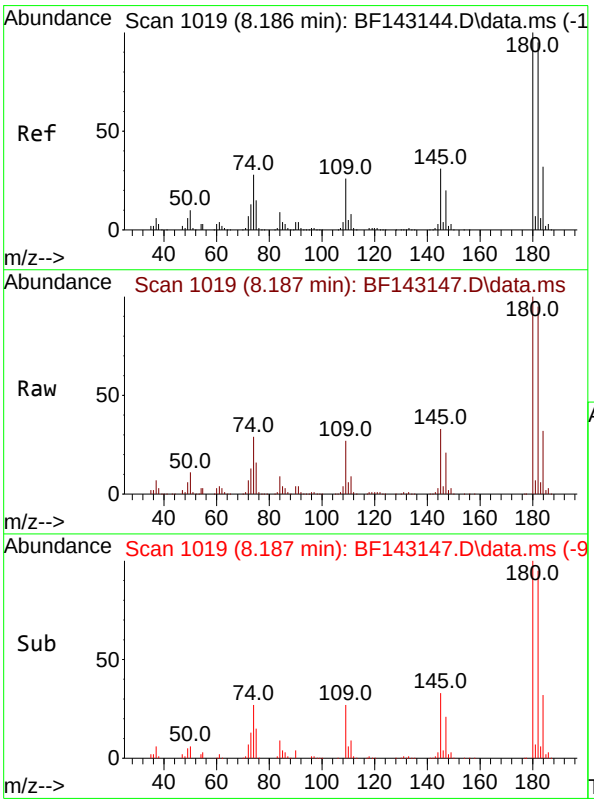
#29
2,4-Dichlorophenol
Concen: 73.527 ng
RT: 8.104 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

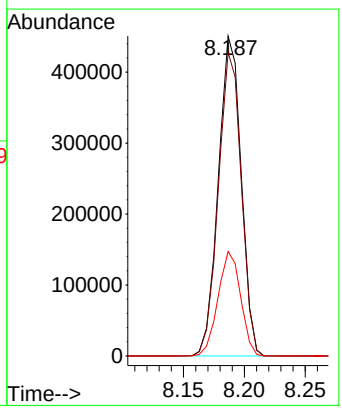


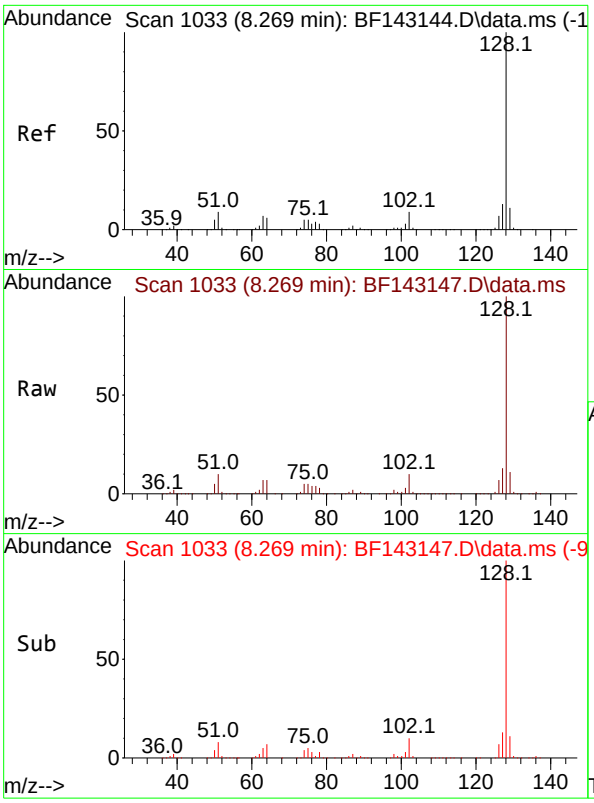


#30
1,2,4-Trichlorobenzene
Concen: 71.673 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



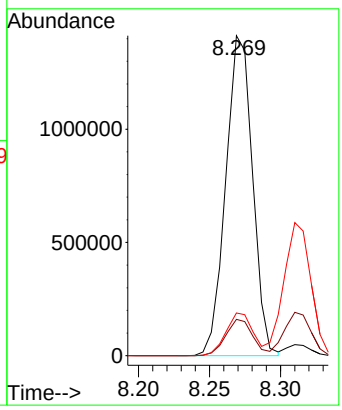


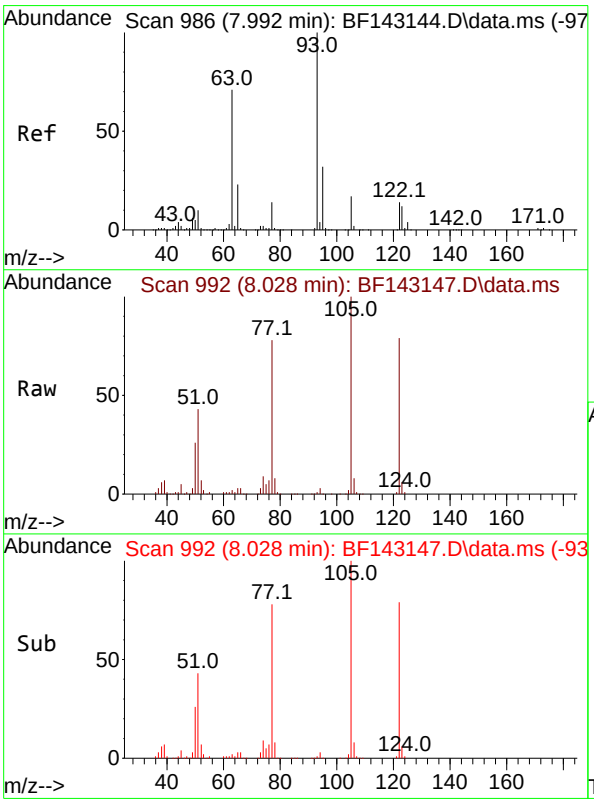
#31
Naphthalene
Concen: 69.150 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

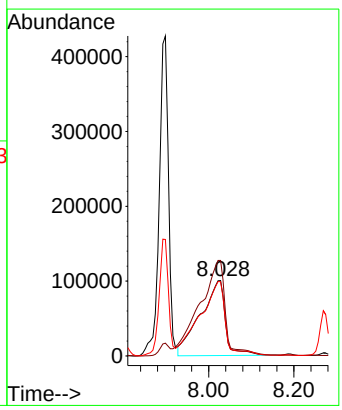


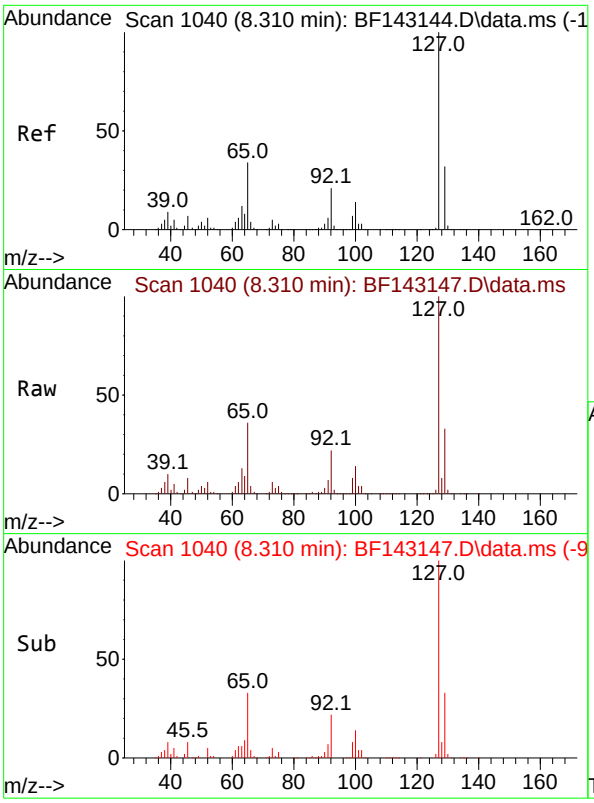


#32
Benzoic acid
Concen: 77.395 ng
RT: 8.028 min Scan# 992
Delta R.T. 0.036 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



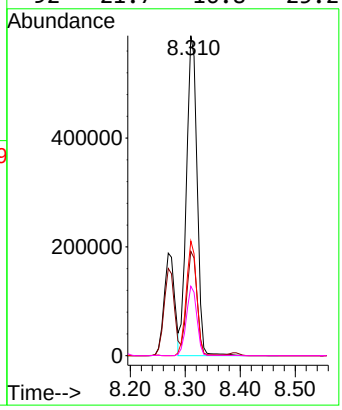


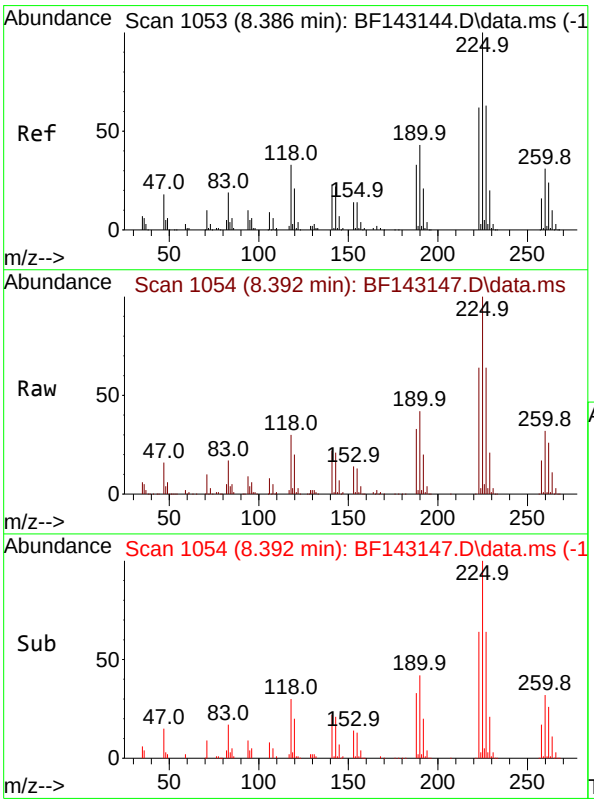
#33
4-Chloroaniline
Concen: 71.895 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

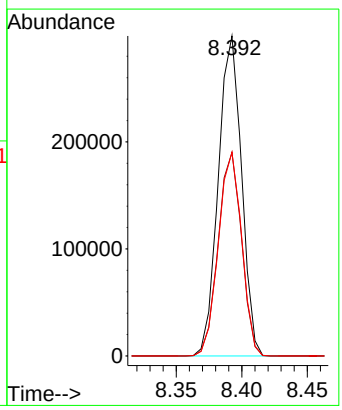


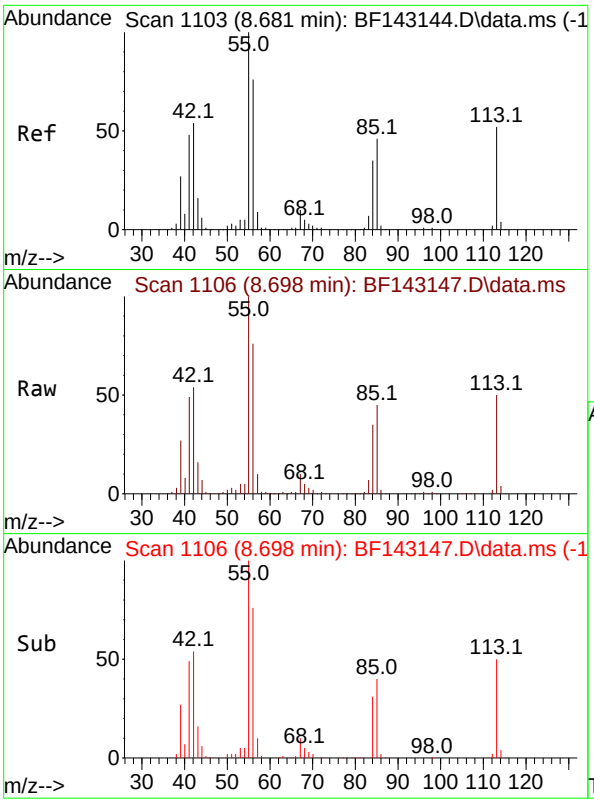


#34
Hexachlorobutadiene
Concen: 73.453 ng
RT: 8.392 min Scan# 1054
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



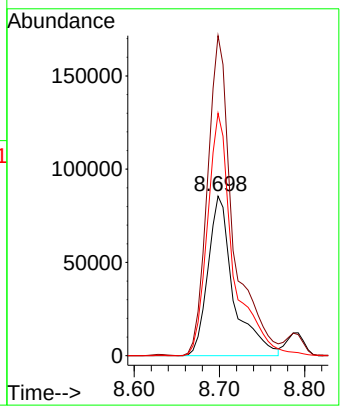


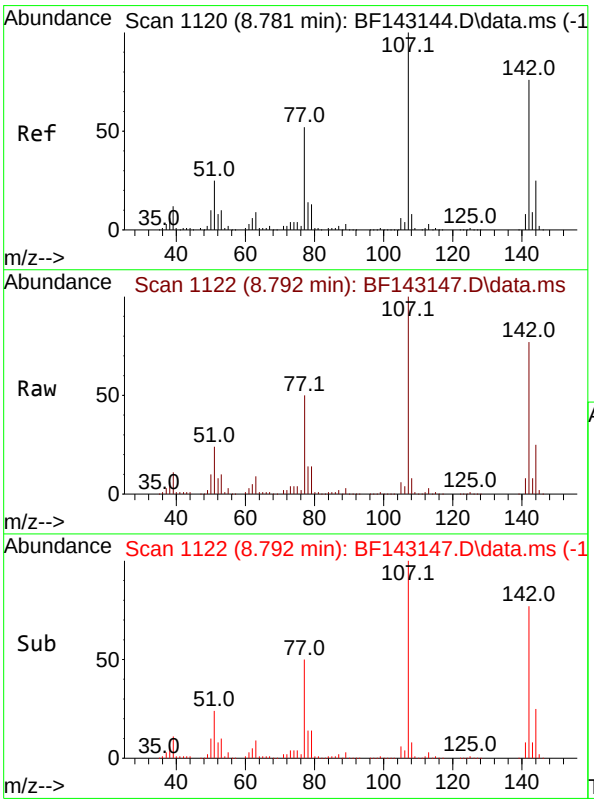
#35
Caprolactam
Concen: 77.644 ng
RT: 8.698 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

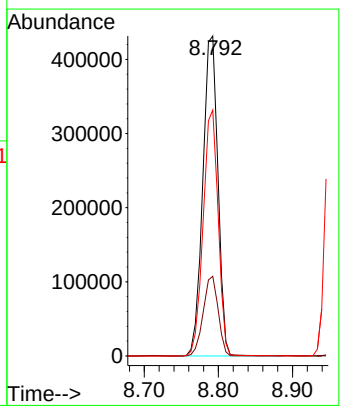


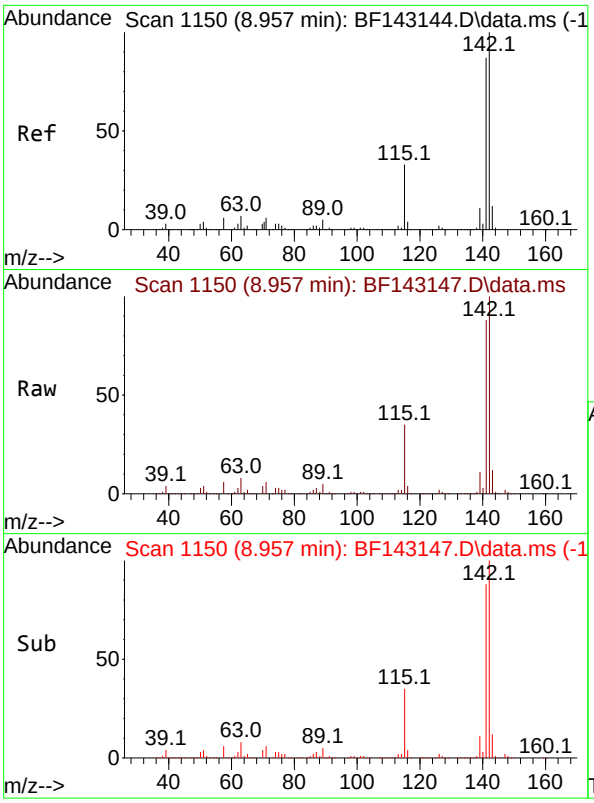


#36
4-Chloro-3-methylphenol
Concen: 74.354 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



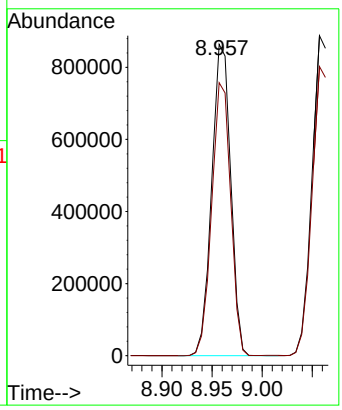


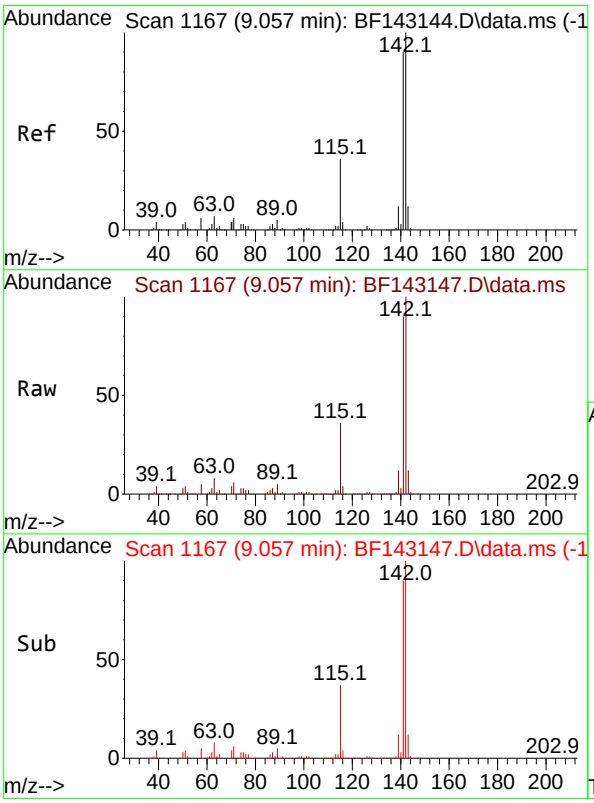
#37
2-Methylnaphthalene
Concen: 69.687 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1137176

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9

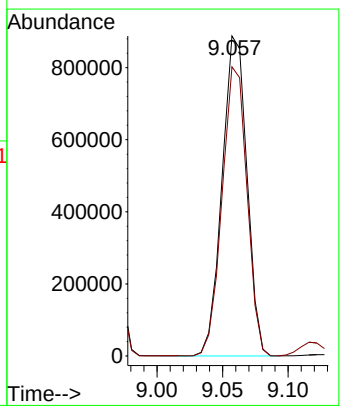


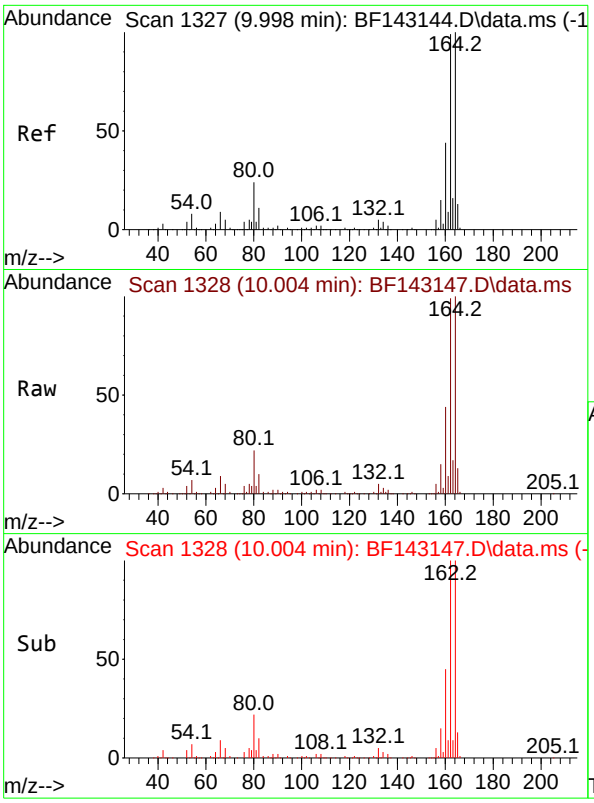


#38
1-Methylnaphthalene
Concen: 69.550 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

Tgt Ion:142 Resp: 1168702

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.3	108.5



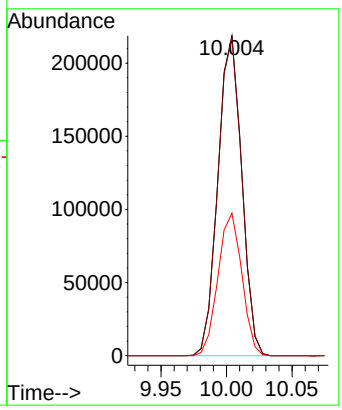


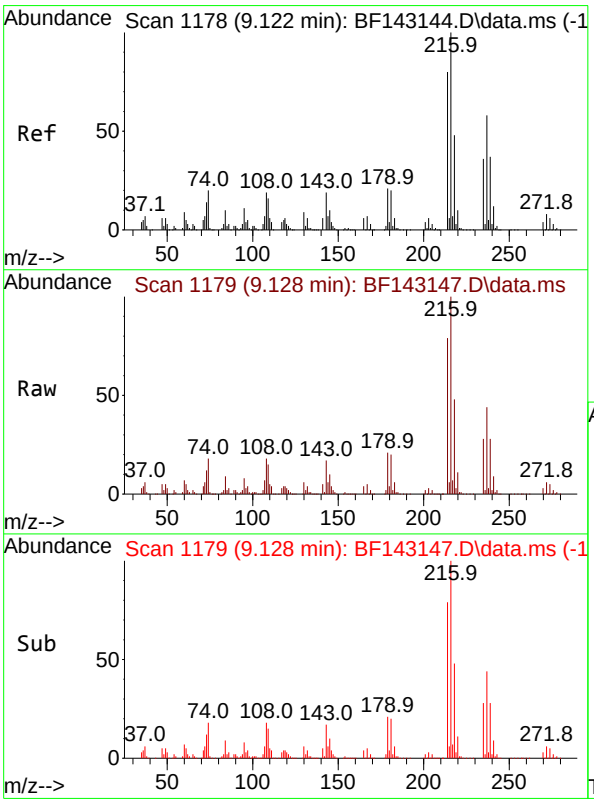
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

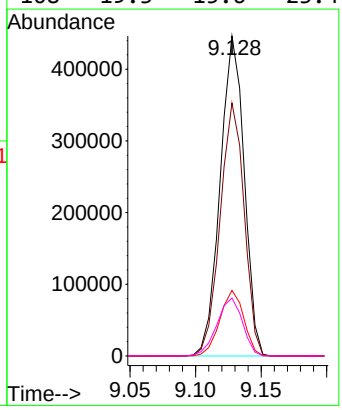


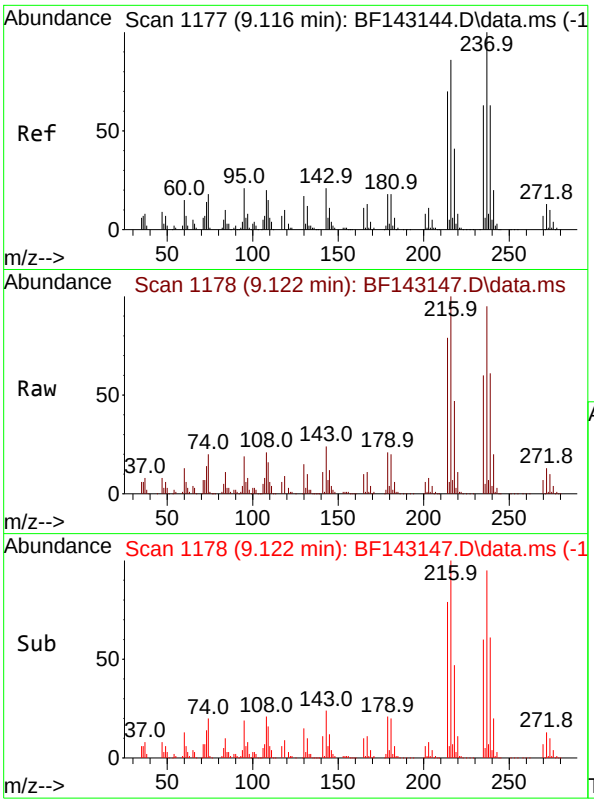


#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.389 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



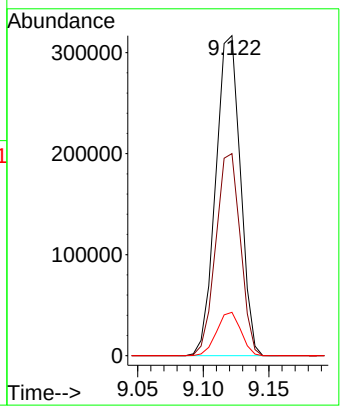


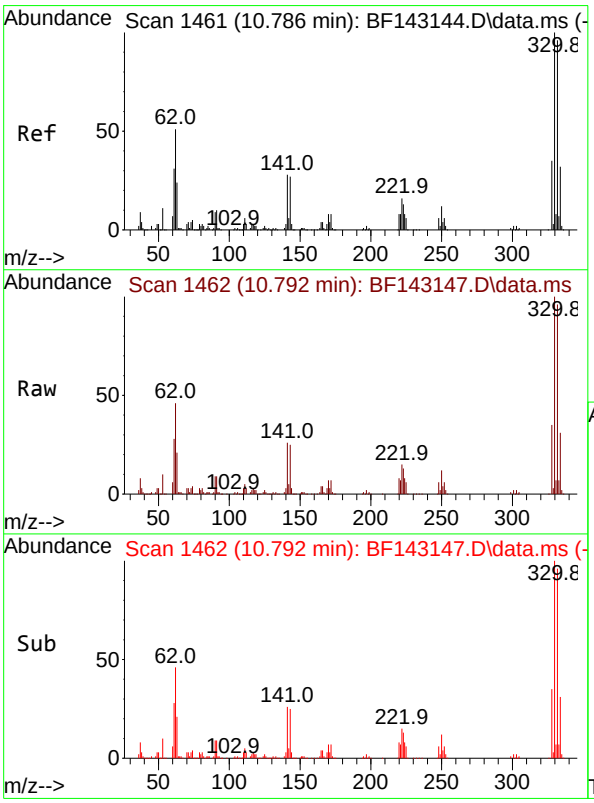
#41
Hexachlorocyclopentadiene
Concen: 79.719 ng
RT: 9.122 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

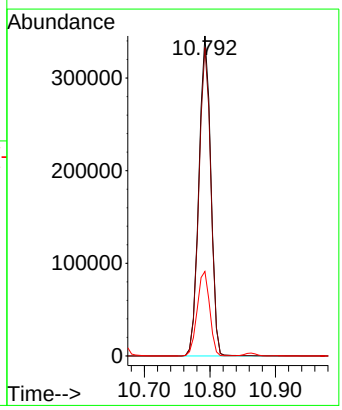


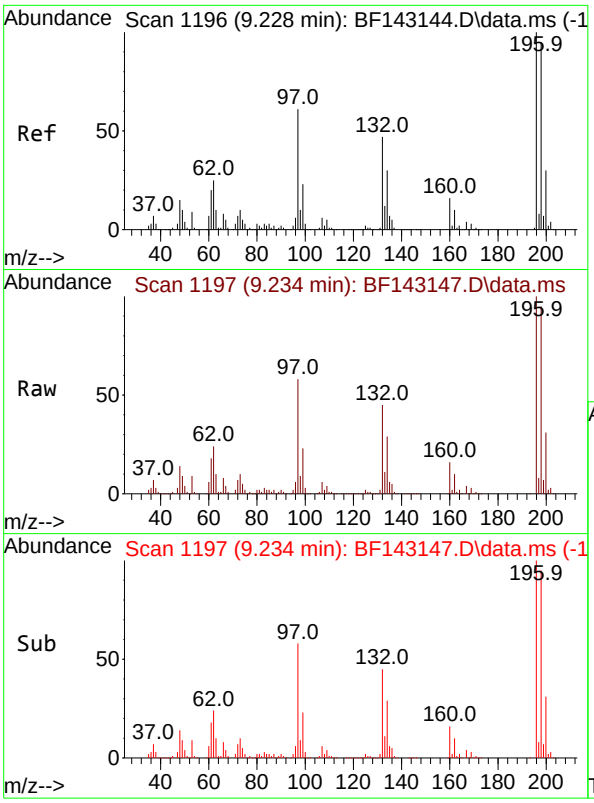


#42
2,4,6-Tribromophenol
Concen: 153.498 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



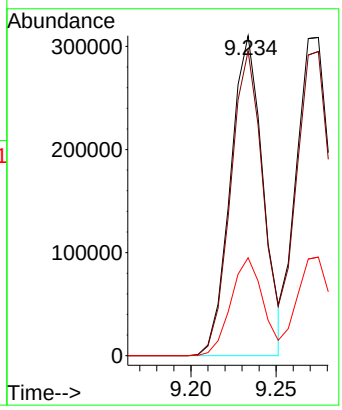


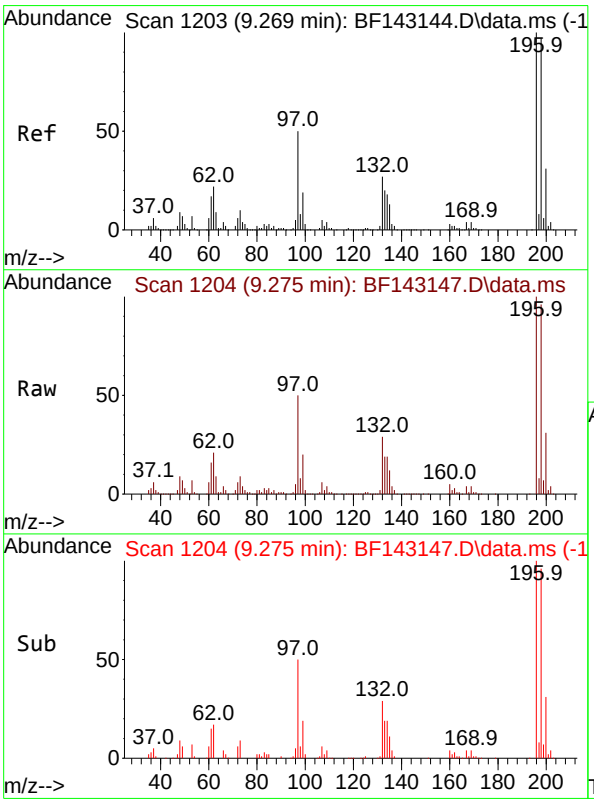
#43
2,4,6-Trichlorophenol
Concen: 74.838 ng
RT: 9.234 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

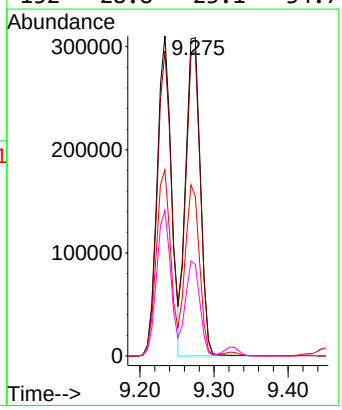


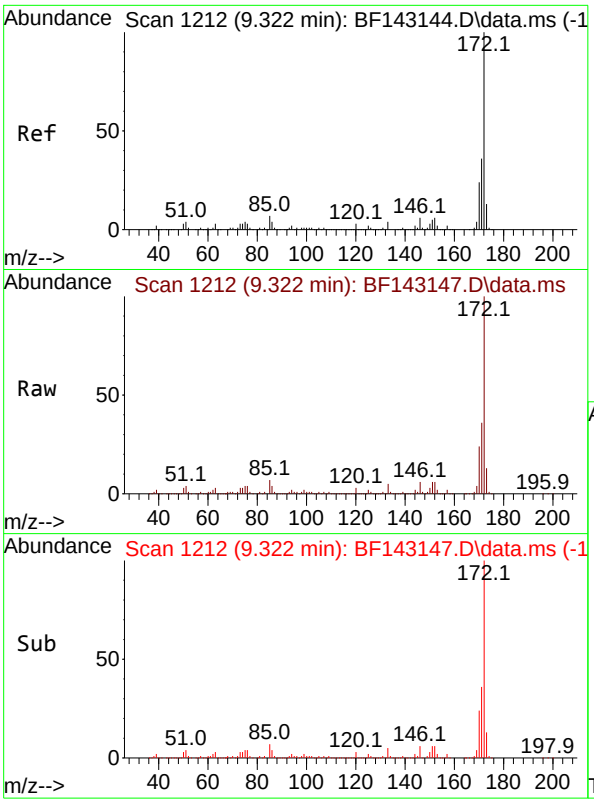


#44
2,4,5-Trichlorophenol
Concen: 76.888 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



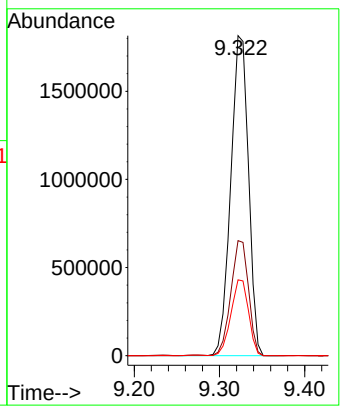


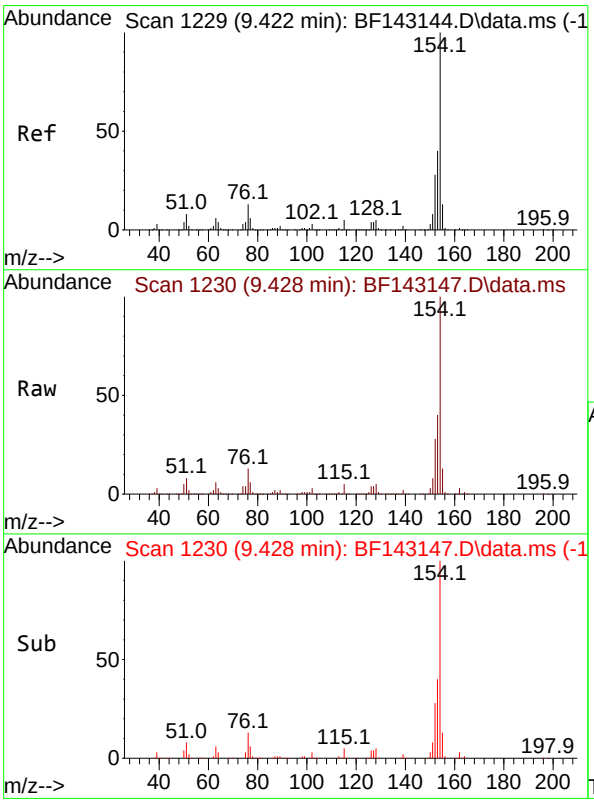
#45
2-Fluorobiphenyl
Concen: 130.157 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

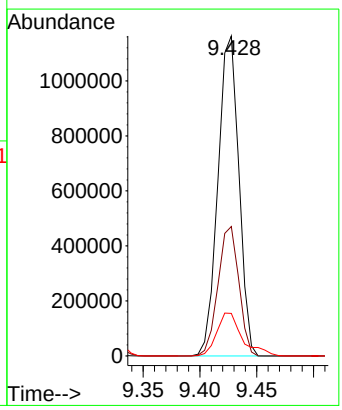


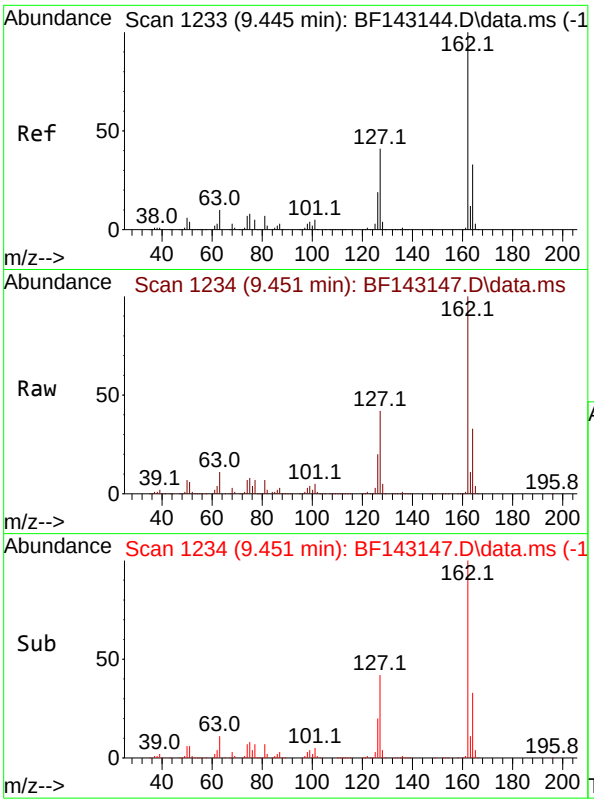


#46
1,1'-Biphenyl
Concen: 69.388 ng
RT: 9.428 min Scan# 1230
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



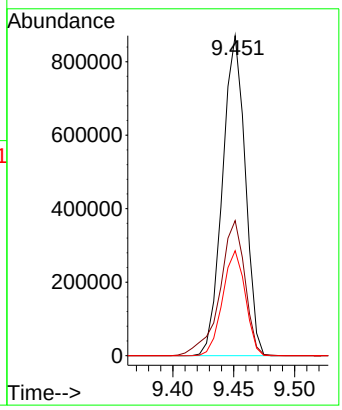


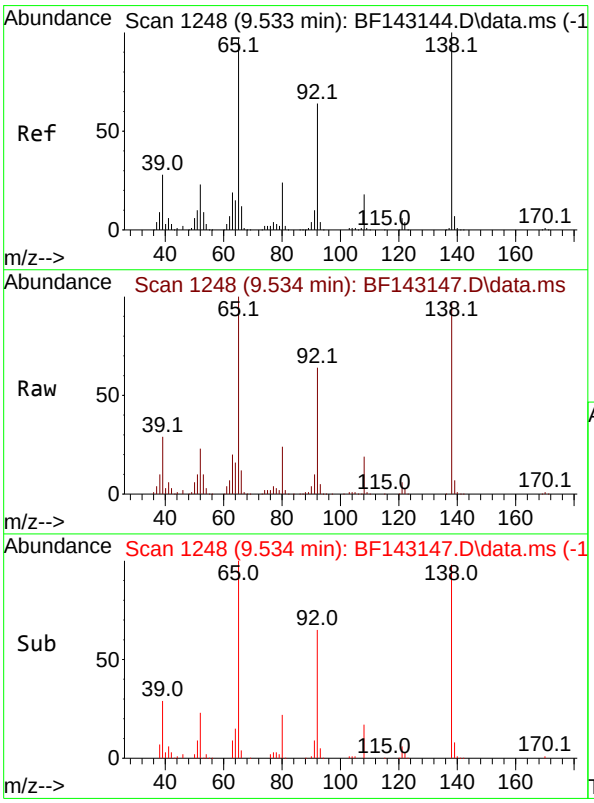
#47
2-Chloronaphthalene
Concen: 71.122 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

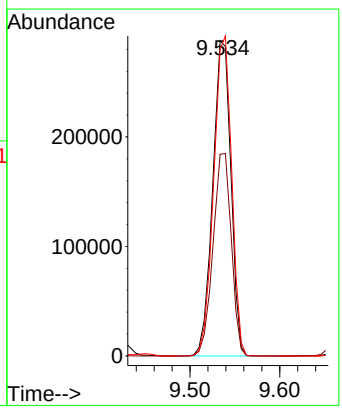


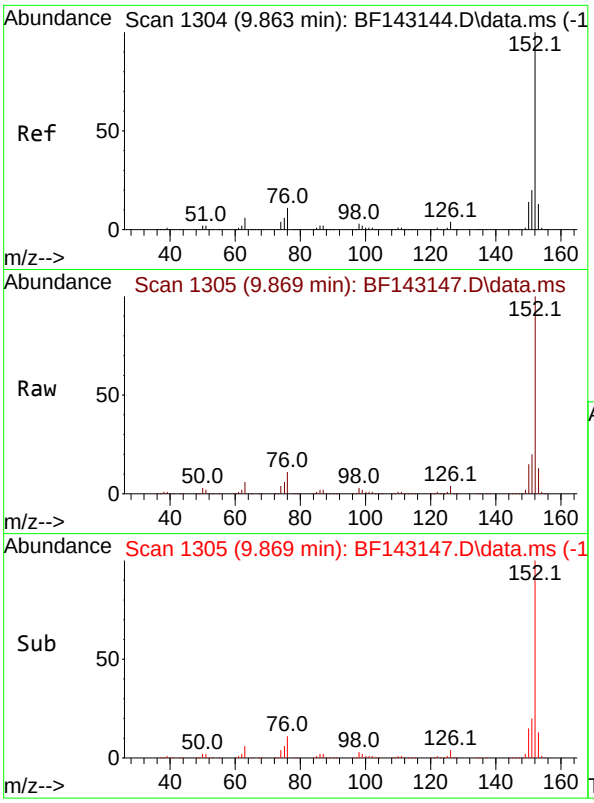


#48
2-Nitroaniline
Concen: 80.971 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



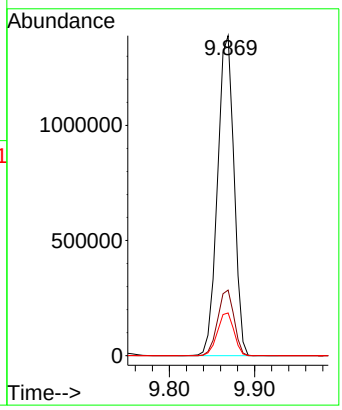


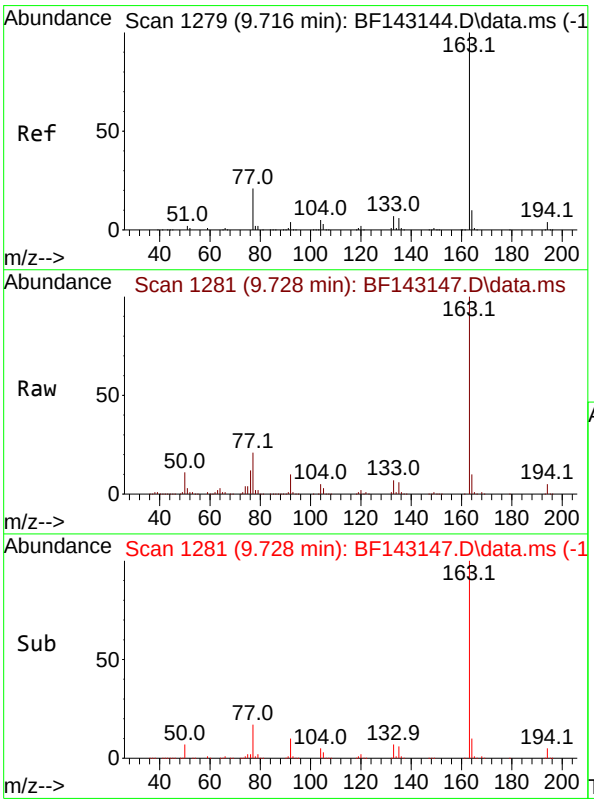
#49
Acenaphthylene
Concen: 70.057 ng
RT: 9.869 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

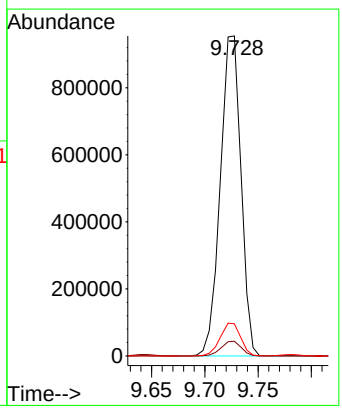


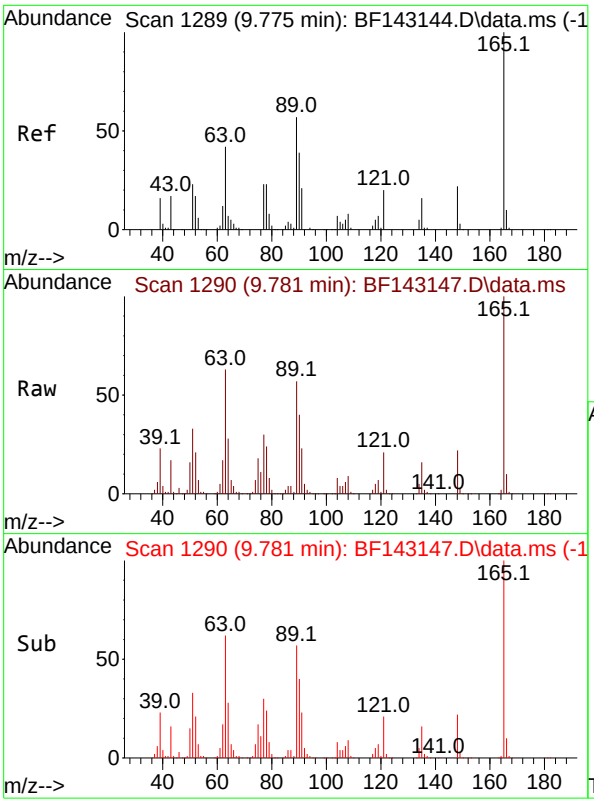


#50
Dimethylphthalate
Concen: 71.723 ng
RT: 9.728 min Scan# 1281
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



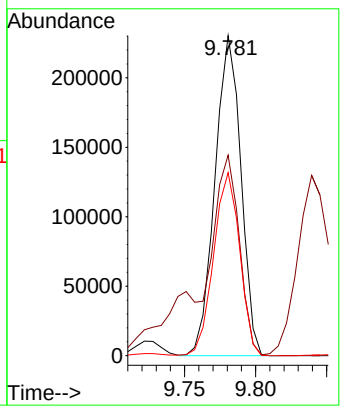


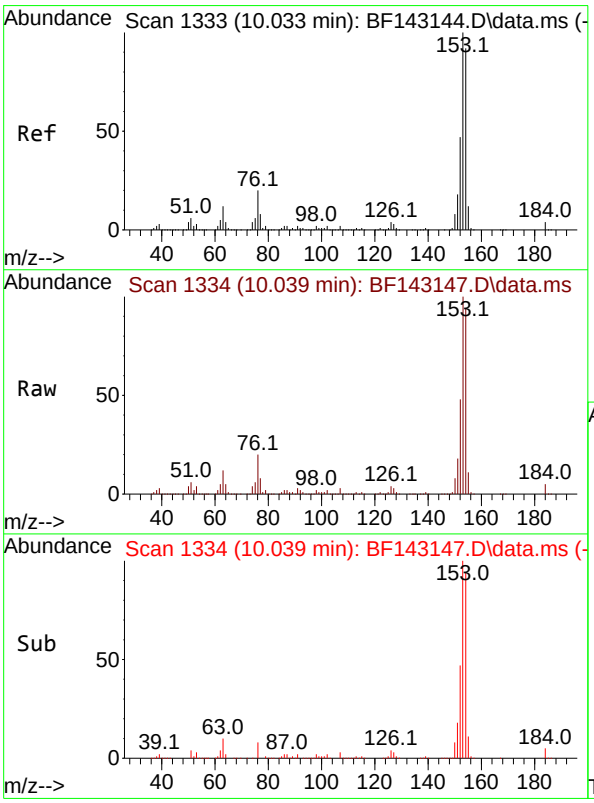
#51
2,6-Dinitrotoluene
Concen: 80.093 ng
RT: 9.781 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

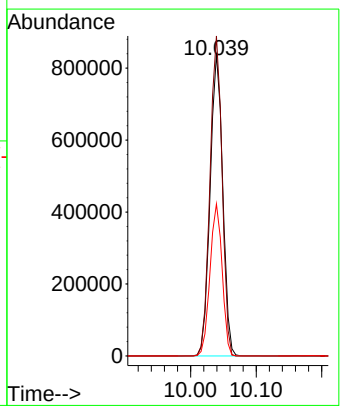


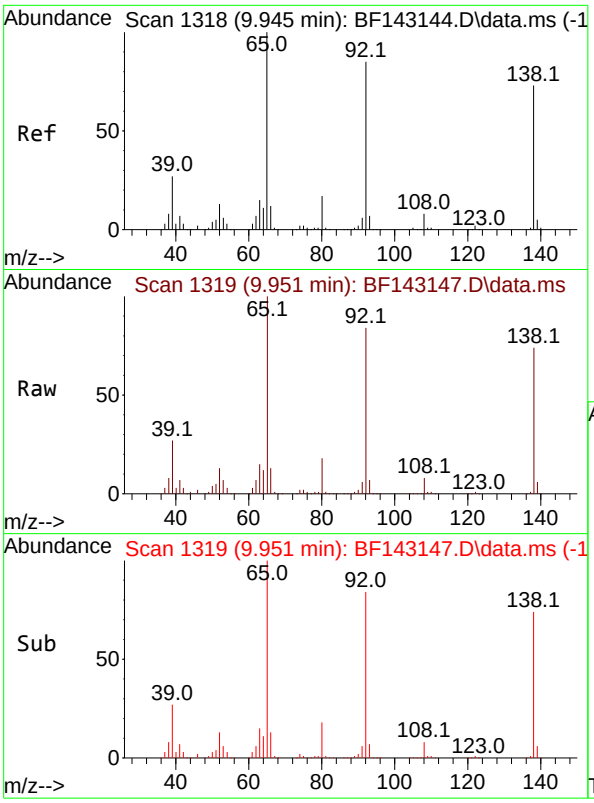


#52
Acenaphthene
Concen: 71.086 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



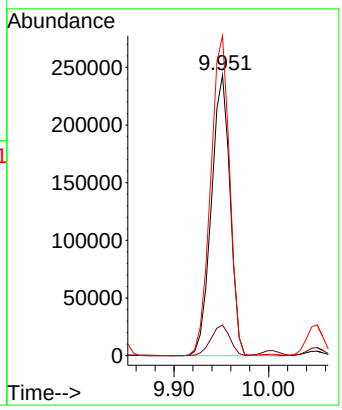


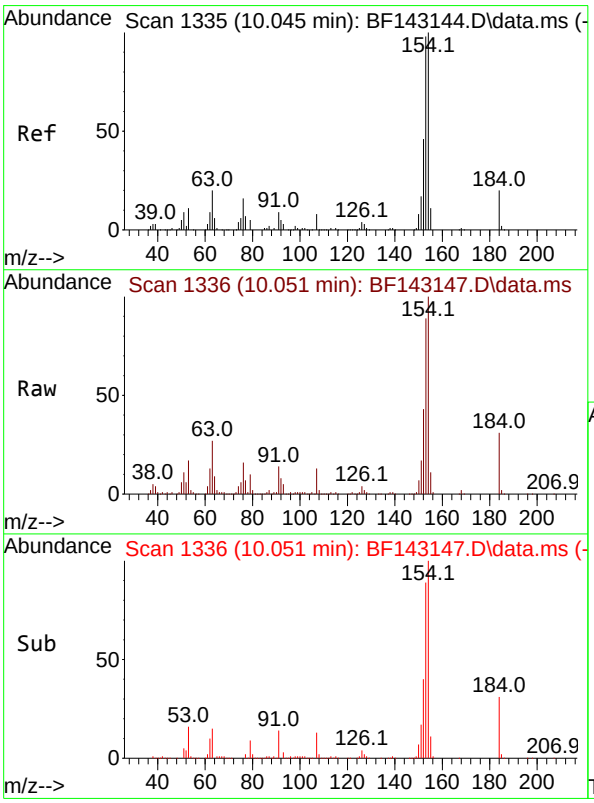
#53
3-Nitroaniline
Concen: 78.128 ng
RT: 9.951 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

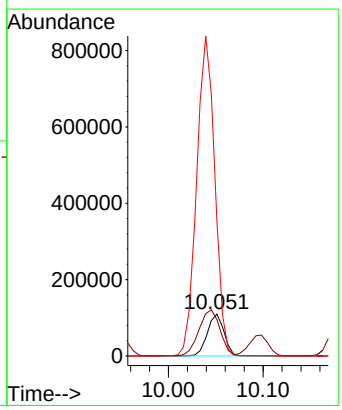


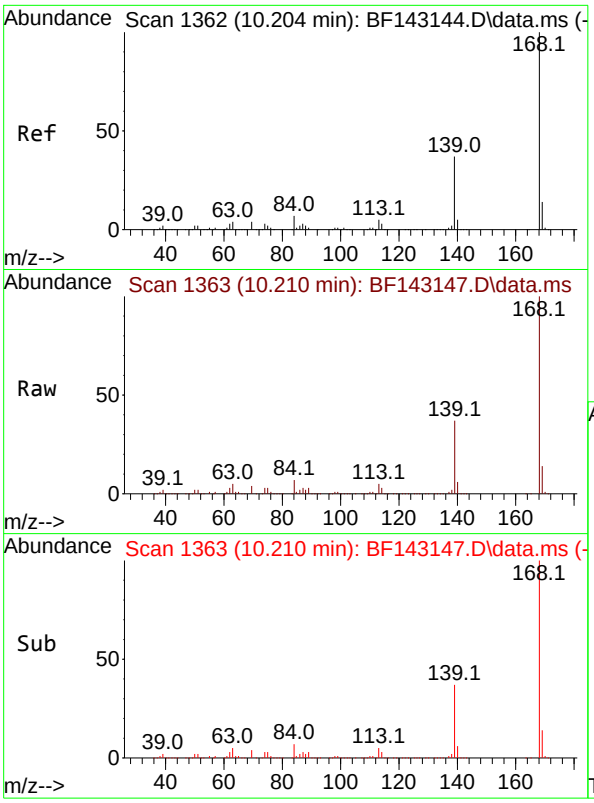


#54
2,4-Dinitrophenol
Concen: 80.516 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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#



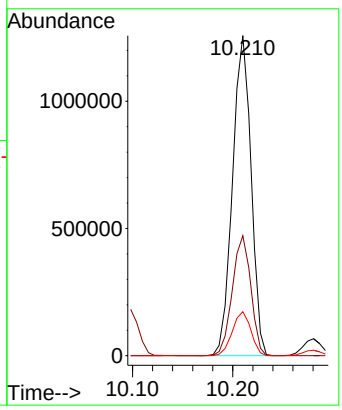


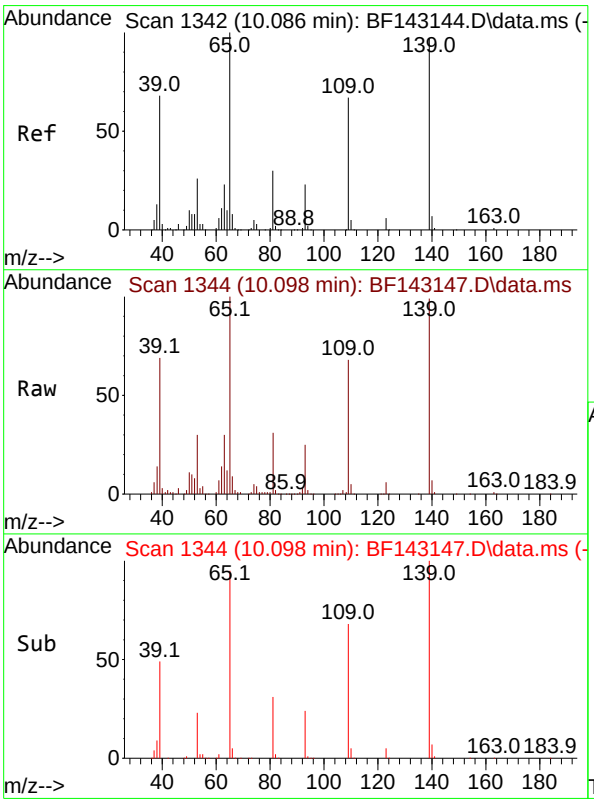
#55
Dibenzofuran
Concen: 69.038 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

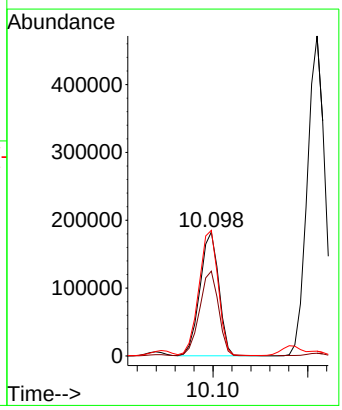


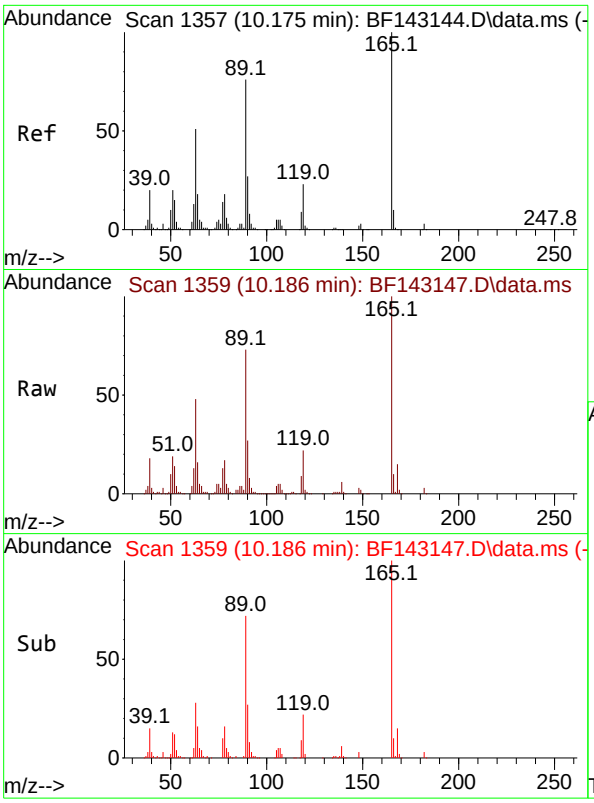


#56
4-Nitrophenol
Concen: 79.161 ng
RT: 10.098 min Scan# 1344
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



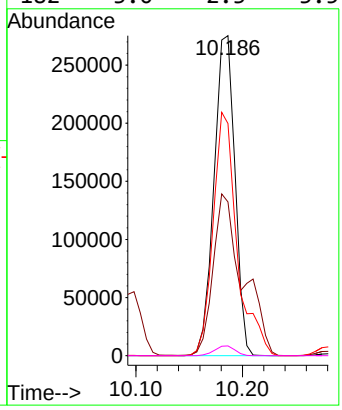


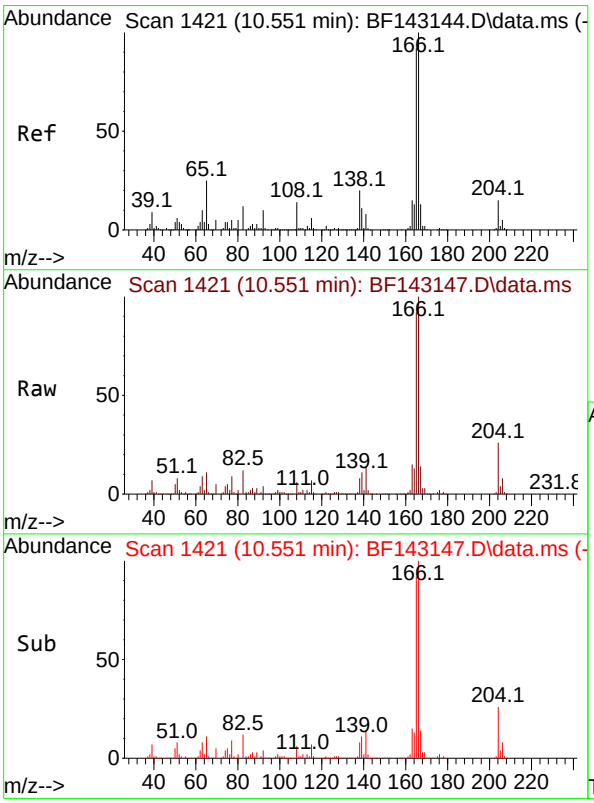
#57
2,4-Dinitrotoluene
Concen: 82.029 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

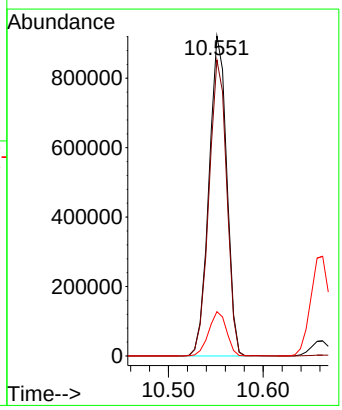


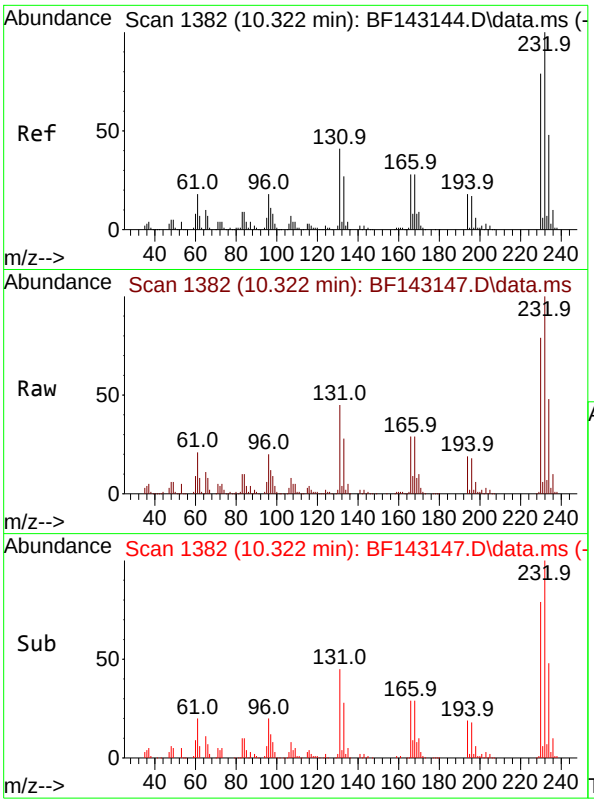


#58
Fluorene
Concen: 68.203 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



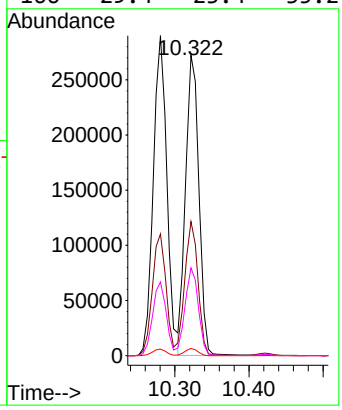


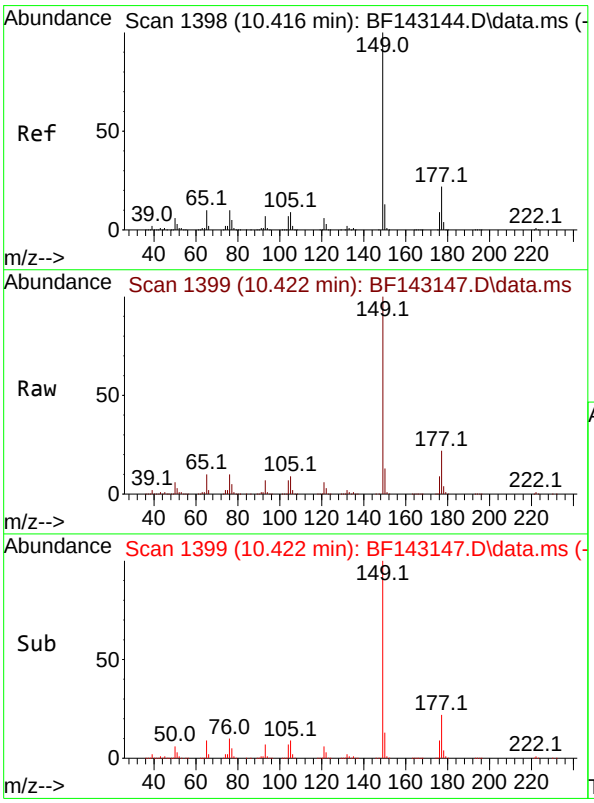
#59
2,3,4,6-Tetrachlorophenol
Concen: 74.533 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

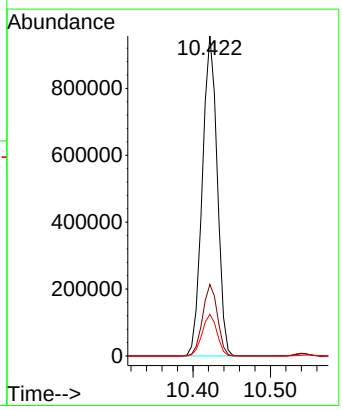


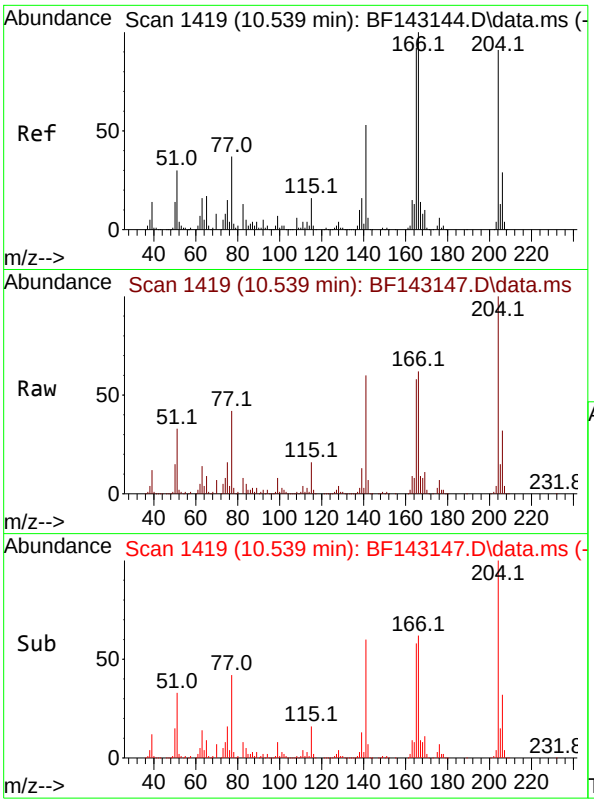


#60
Diethylphthalate
Concen: 71.870 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



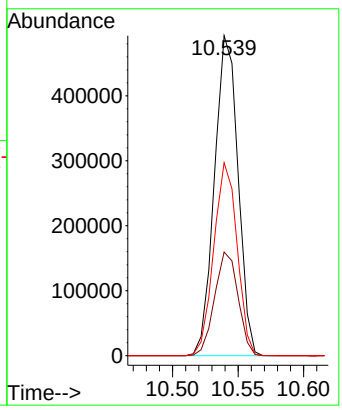


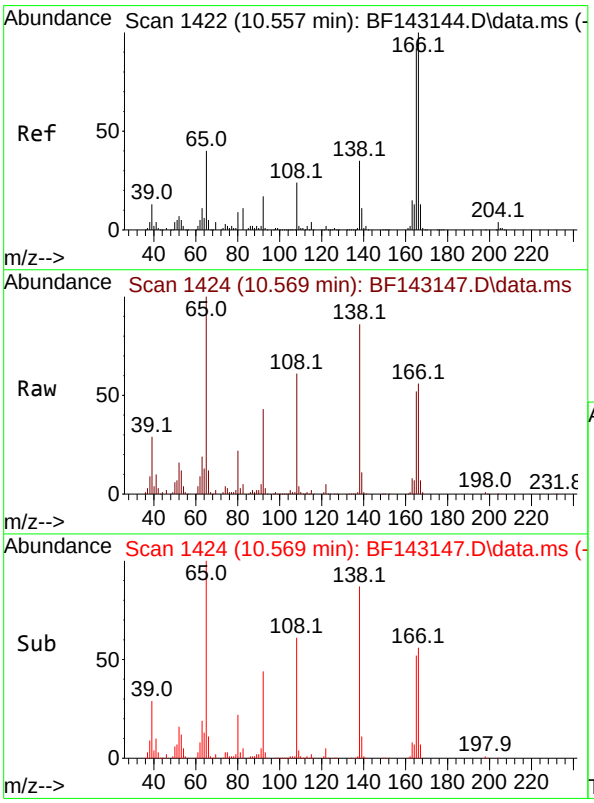
#61
4-Chlorophenyl-phenylether
Concen: 70.326 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

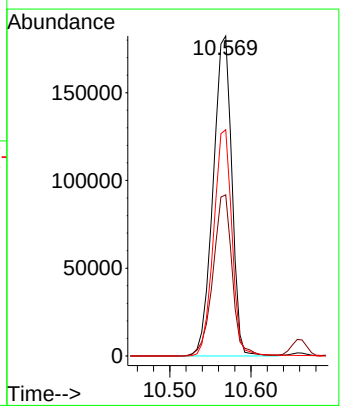


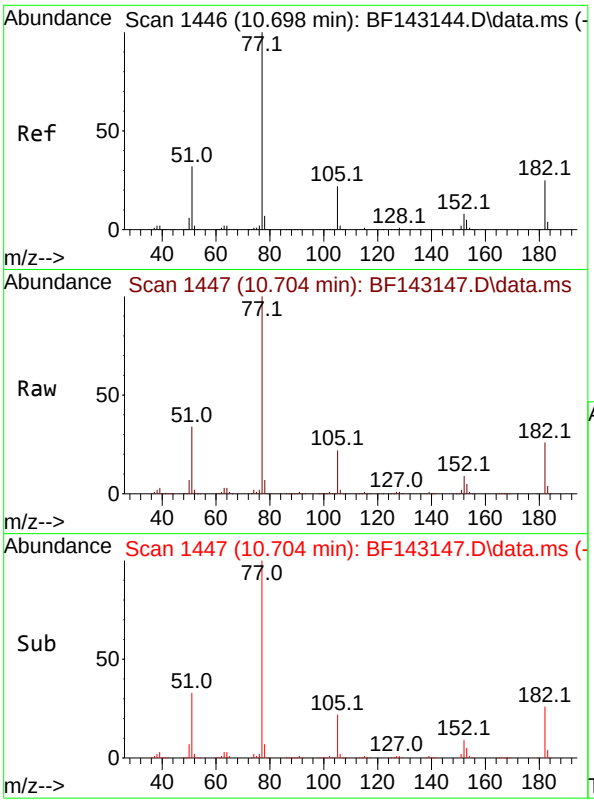


#62
4-Nitroaniline
Concen: 79.680 ng
RT: 10.569 min Scan# 1424
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



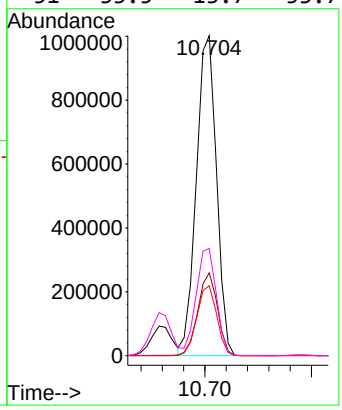


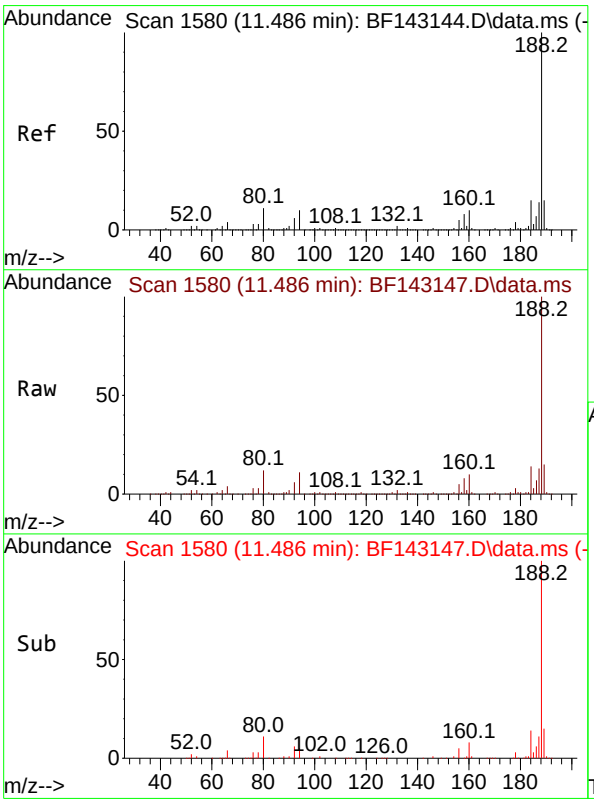
#63
Azobenzene
Concen: 71.255 ng
RT: 10.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

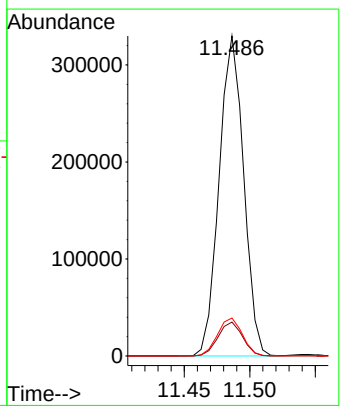


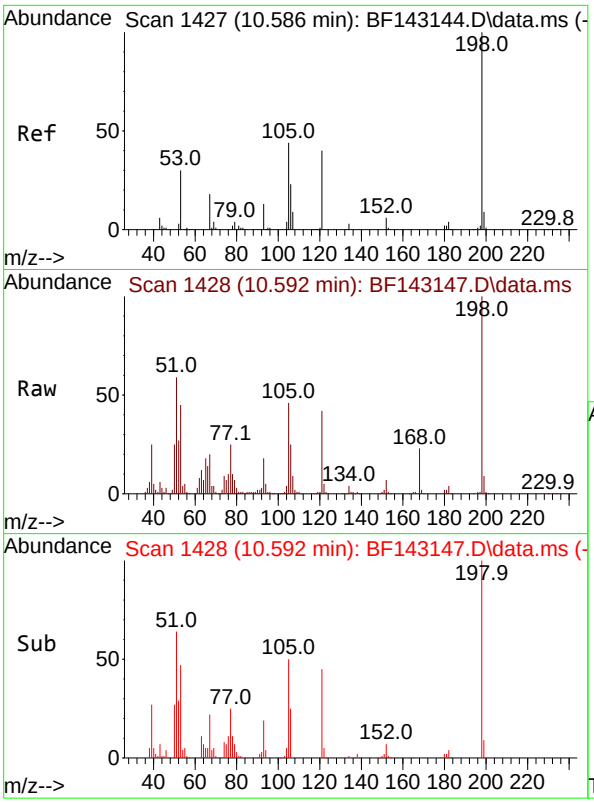


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



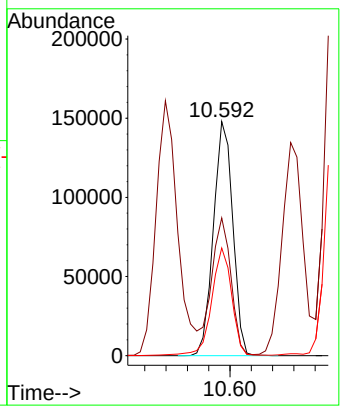


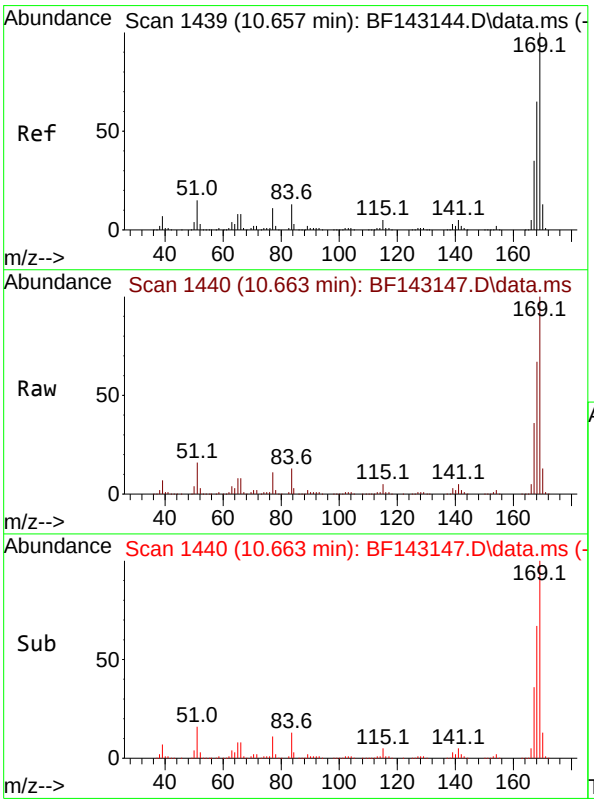
#65
4,6-Dinitro-2-methylphenol
Concen: 78.948 ng
RT: 10.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

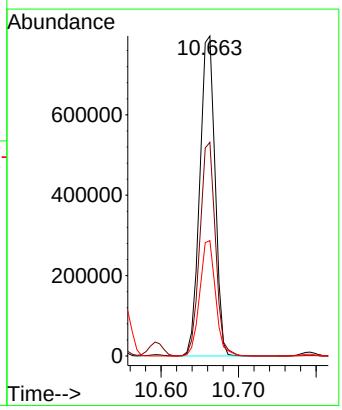


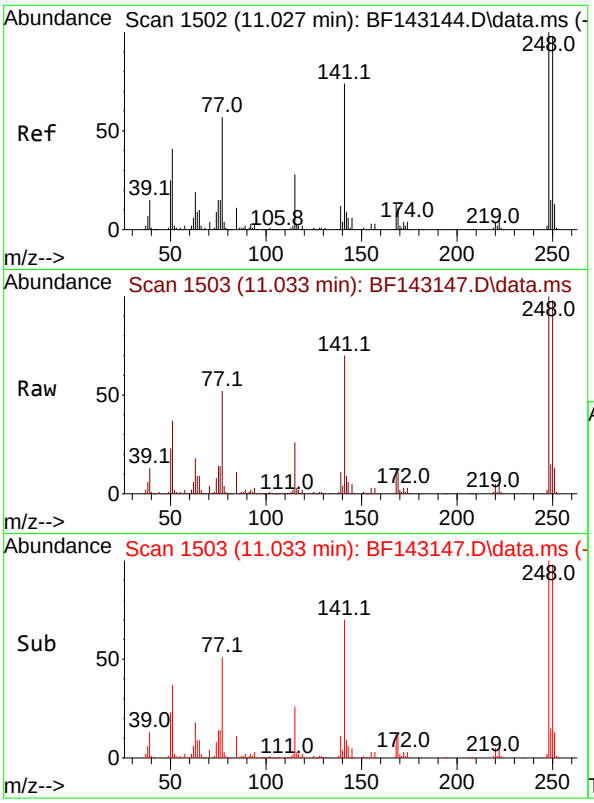


#66
n-Nitrosodiphenylamine
Concen: 72.014 ng
RT: 10.663 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



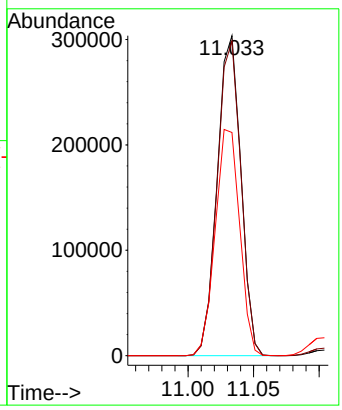


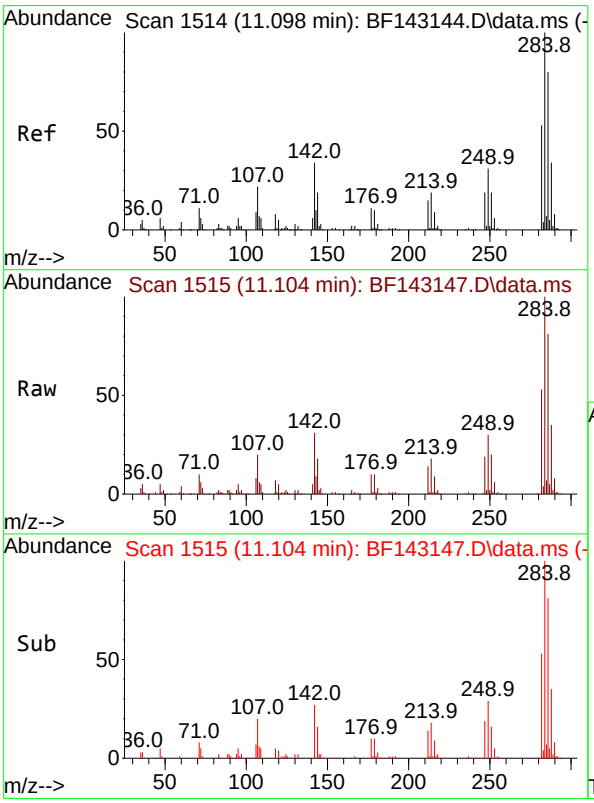
#67
4-Bromophenyl-phenylether
Concen: 74.734 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

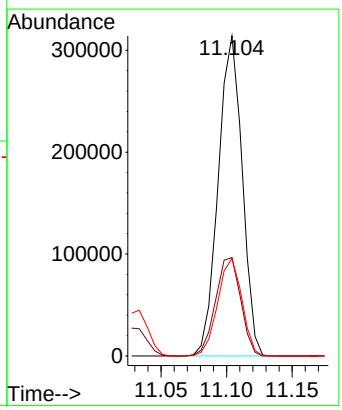


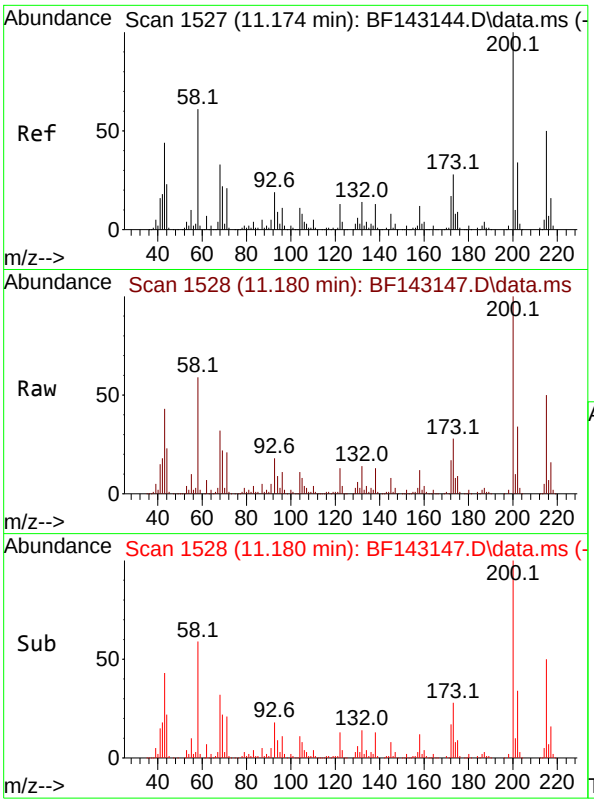


#68
Hexachlorobenzene
Concen: 74.680 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



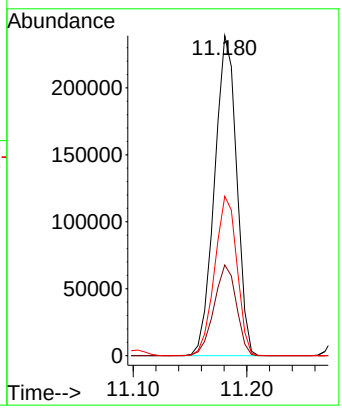


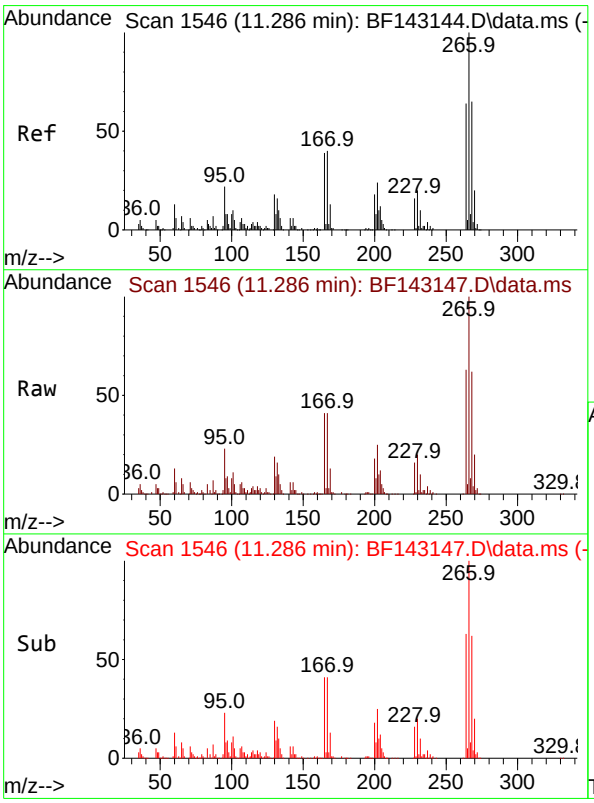
#69
Atrazine
Concen: 77.819 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

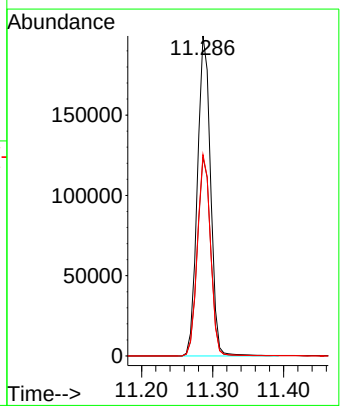


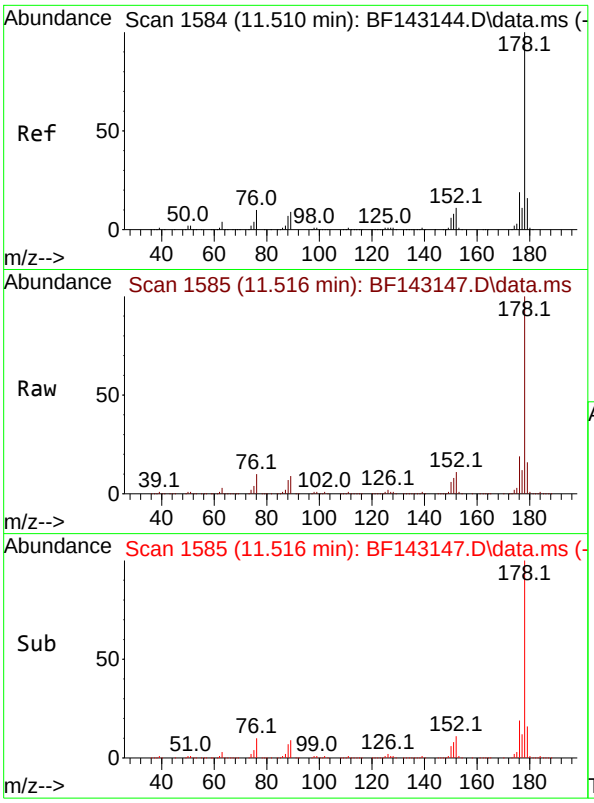


#70
Pentachlorophenol
Concen: 81.829 ng
RT: 11.286 min Scan# 1546
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



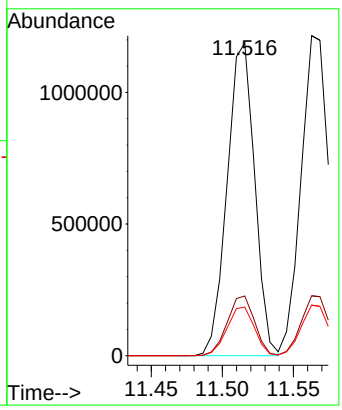


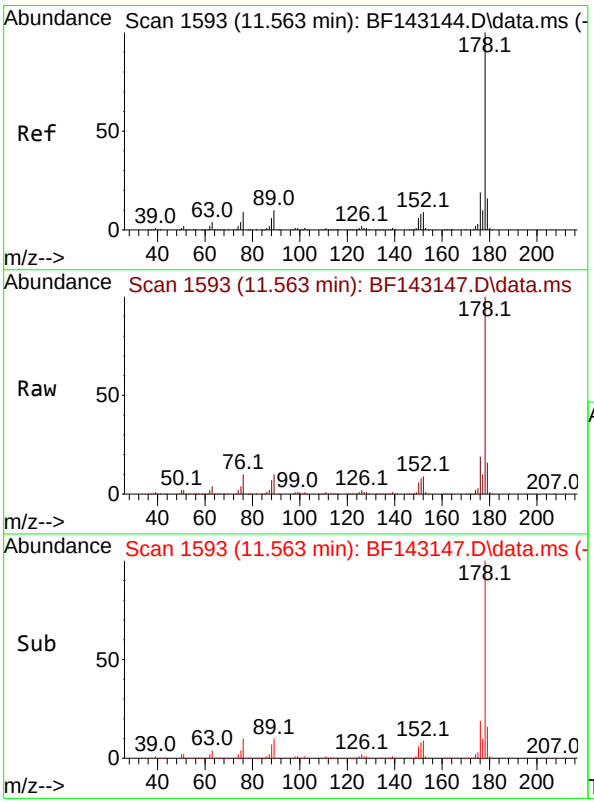
#71
Phenanthrene
Concen: 70.331 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

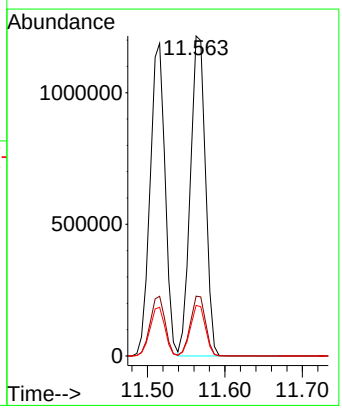


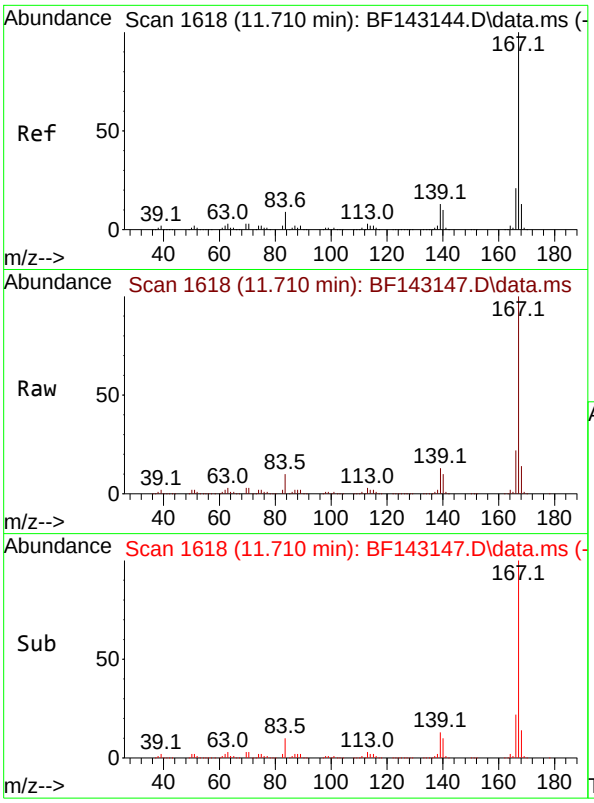


#72
Anthracene
Concen: 70.640 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



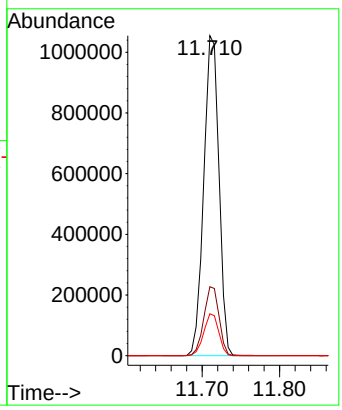


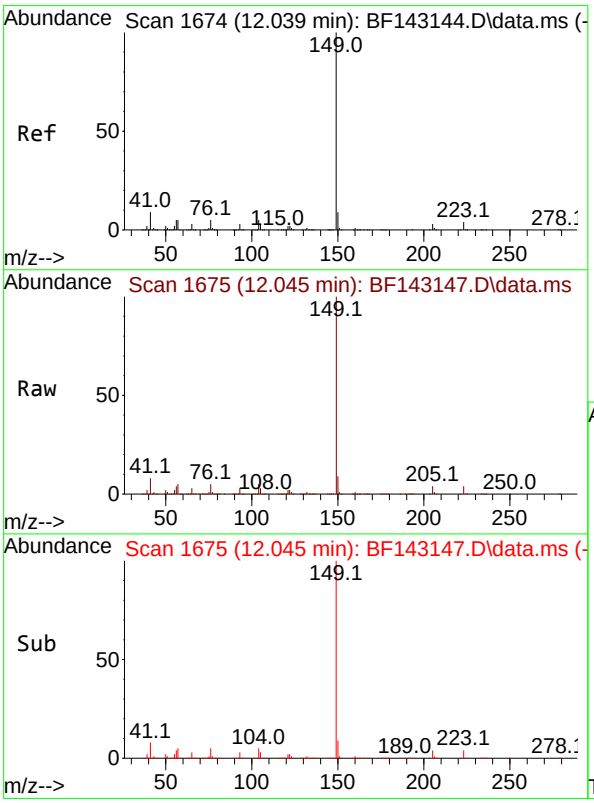
#73
Carbazole
Concen: 70.754 ng
RT: 11.710 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

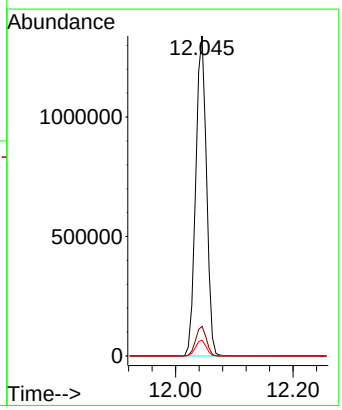


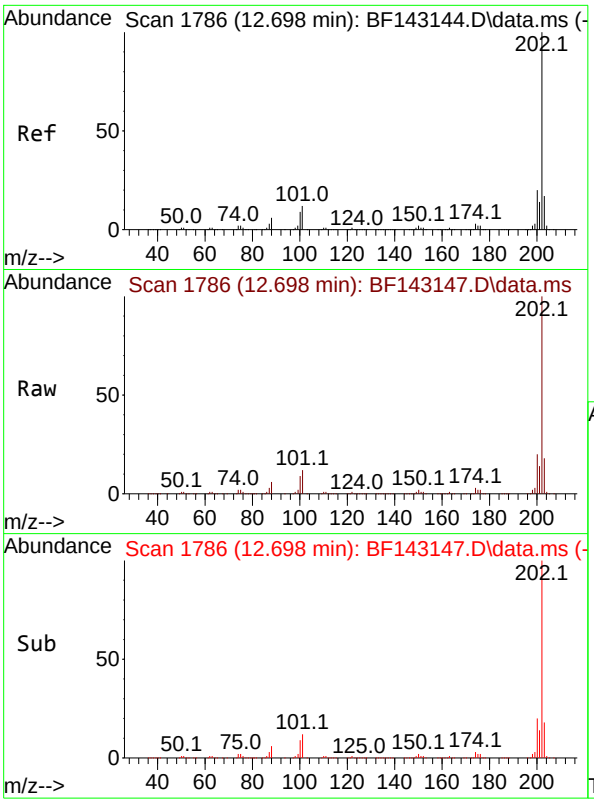


#74
Di-n-butylphthalate
Concen: 74.034 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



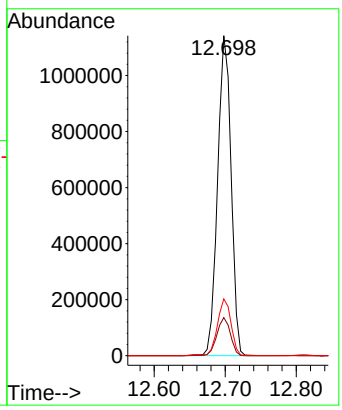


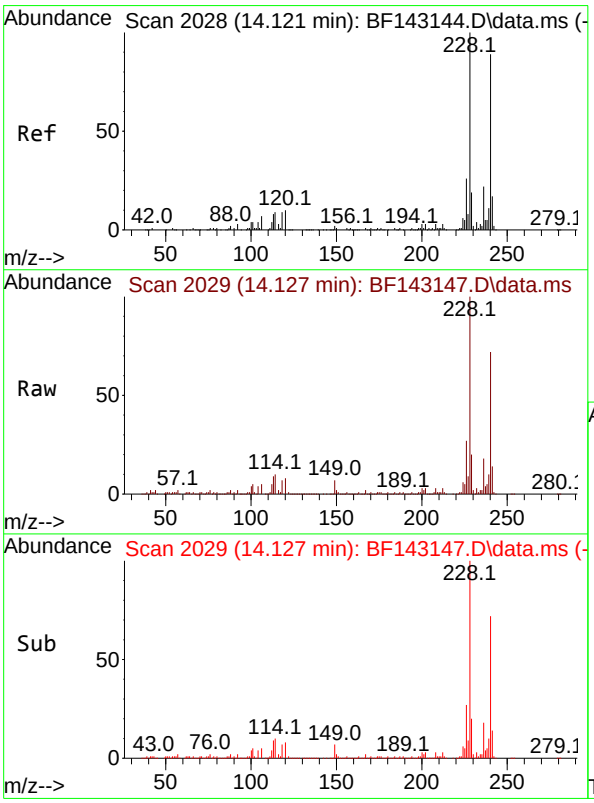
#75
Fluoranthene
Concen: 71.645 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

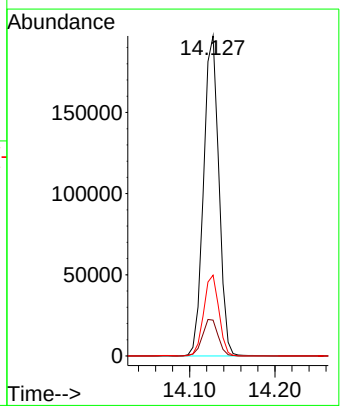


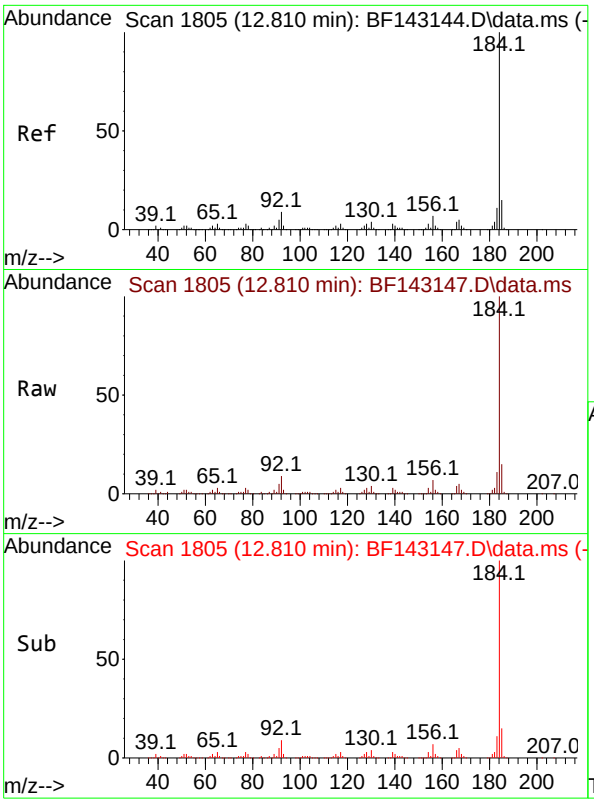


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



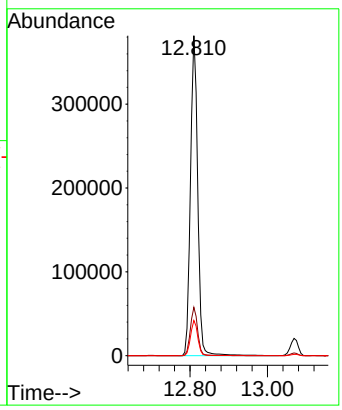


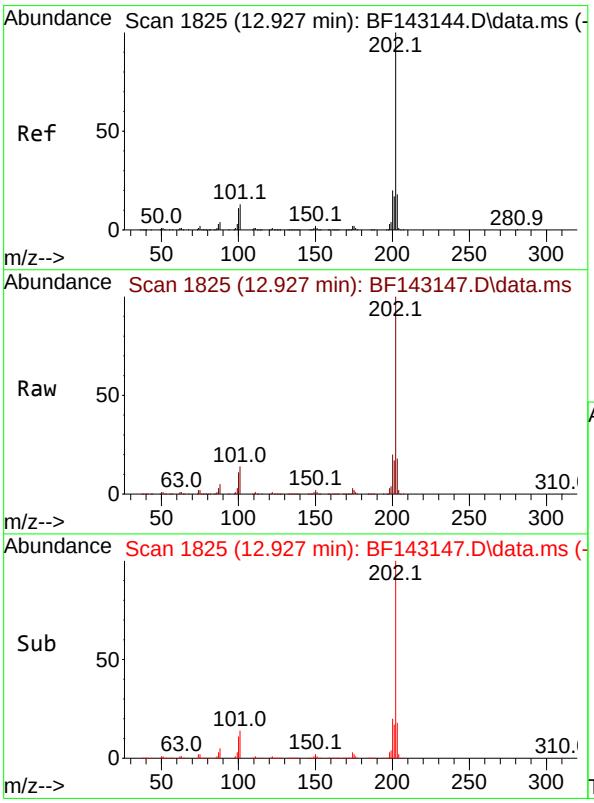
#77
Benzidine
Concen: 52.548 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

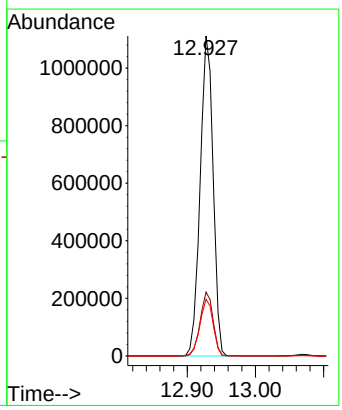


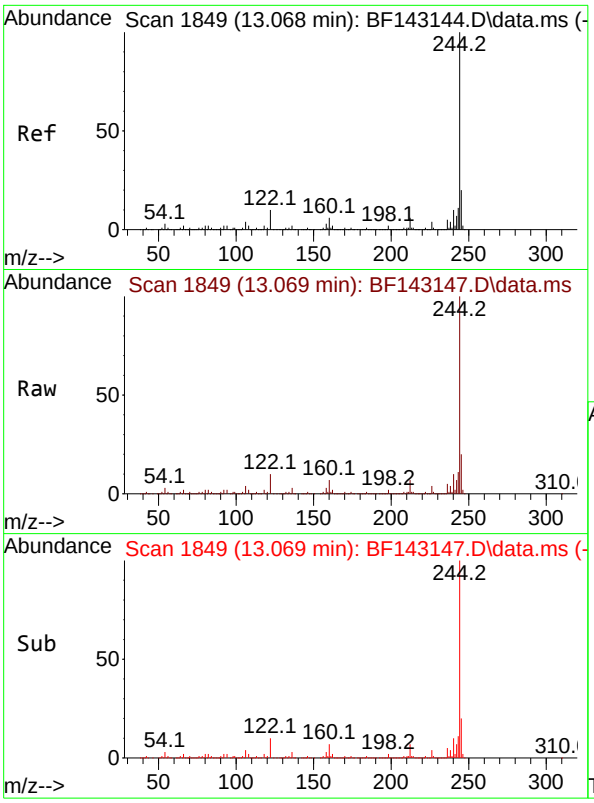


#78
Pyrene
Concen: 70.021 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



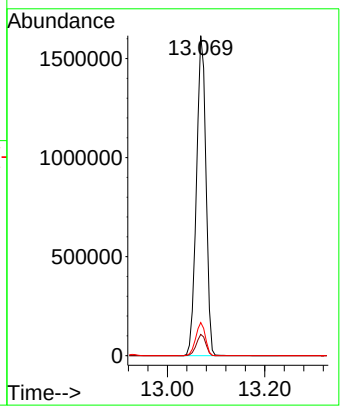


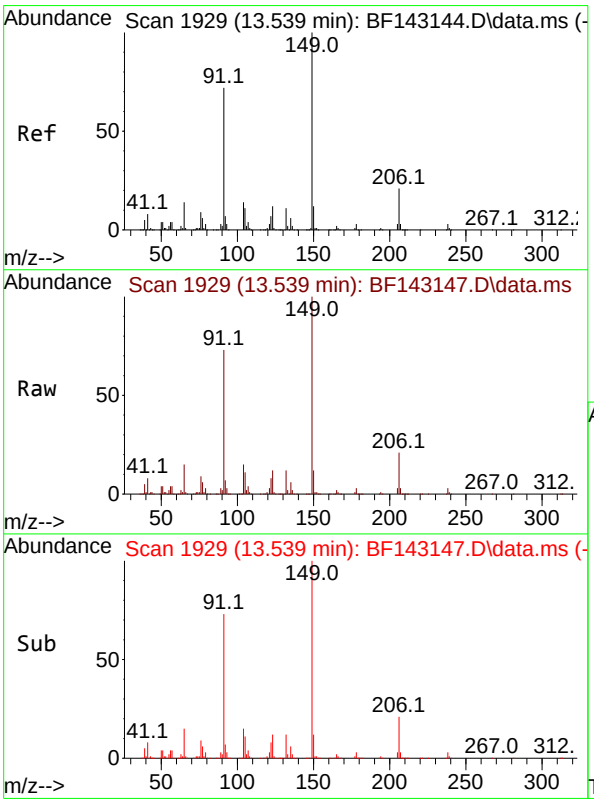
#79
Terphenyl-d14
Concen: 133.606 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

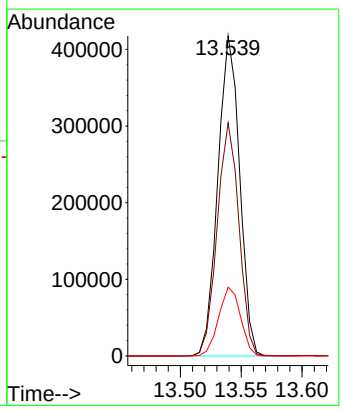


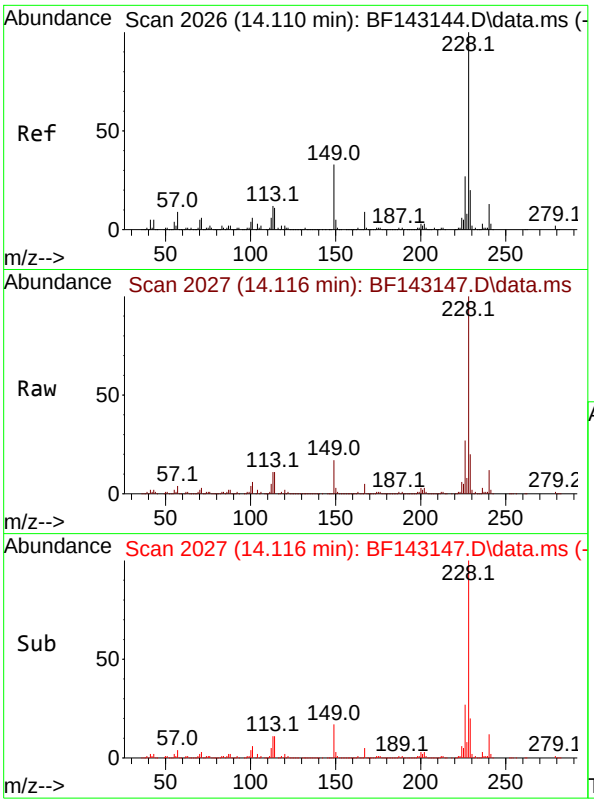


#80
Butylbenzylphthalate
Concen: 81.353 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



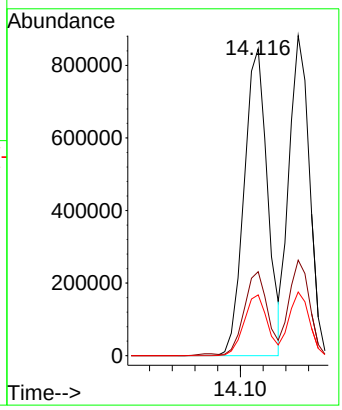


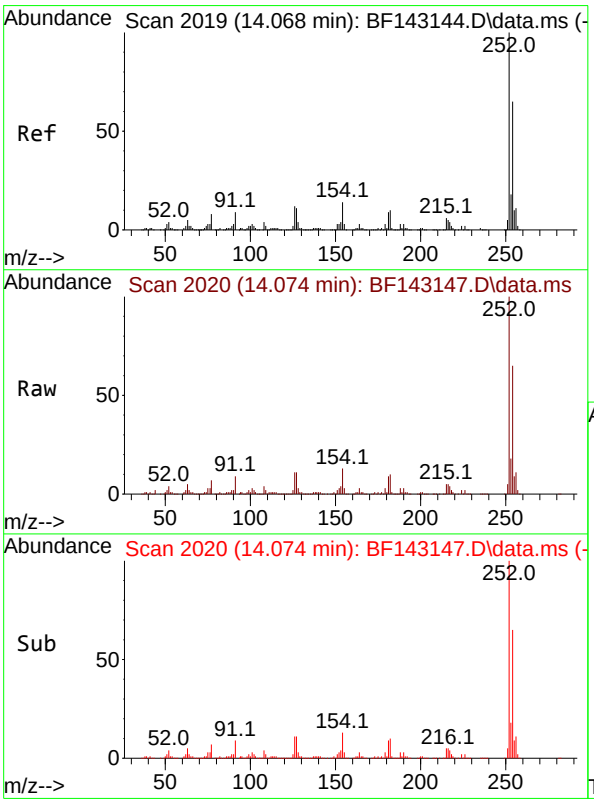
#81
Benzo(a)anthracene
Concen: 73.788 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

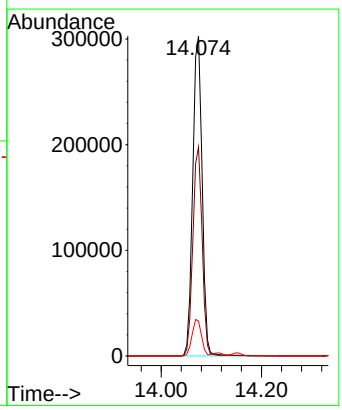


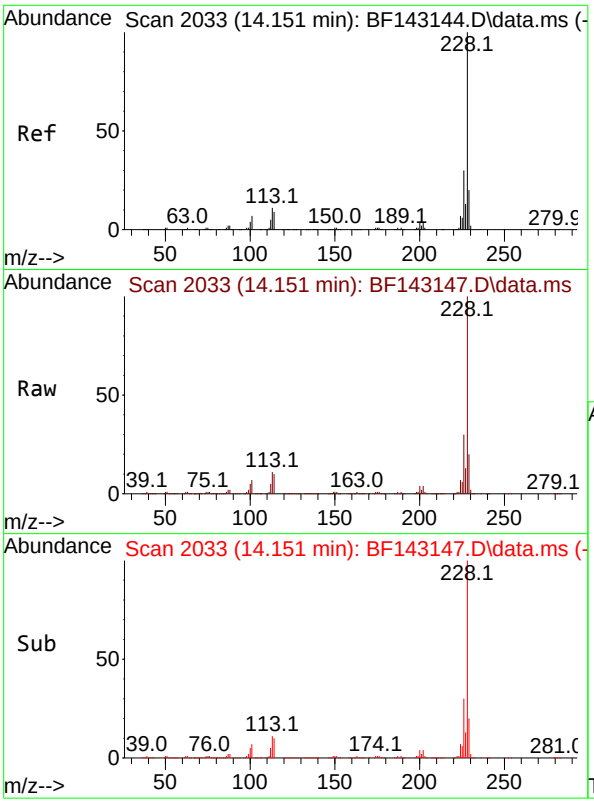


#82
3,3'-Dichlorobenzidine
Concen: 71.867 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



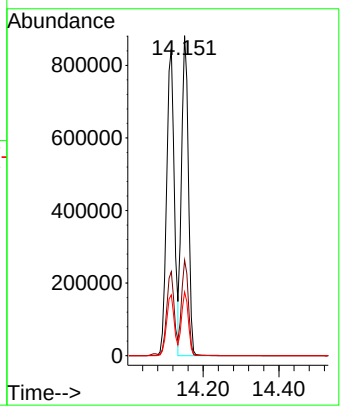


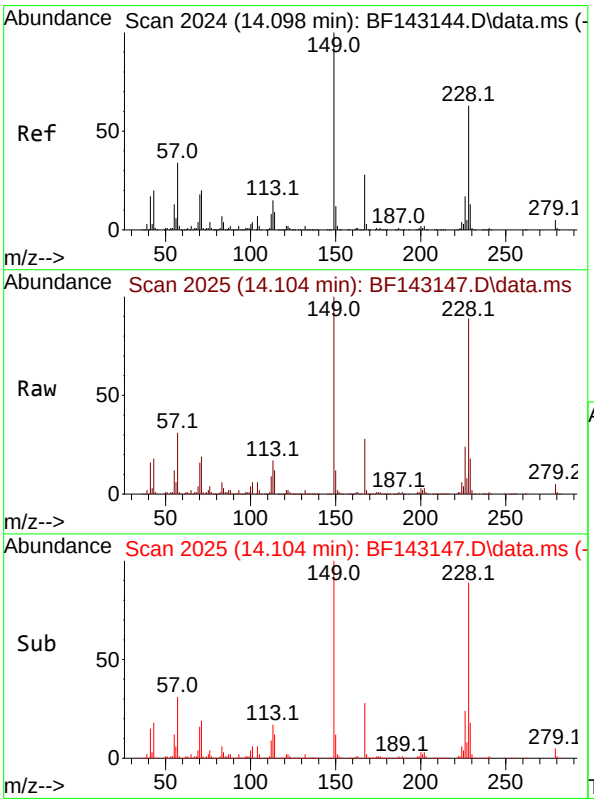
#83
Chrysene
Concen: 74.863 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

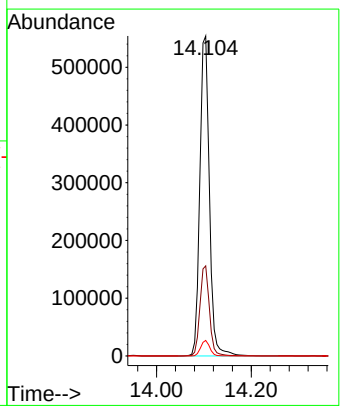


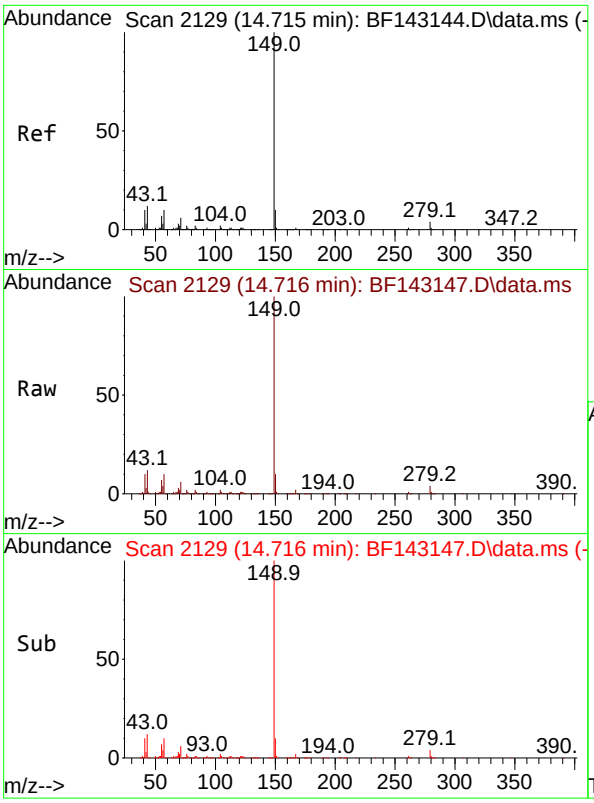


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.790 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



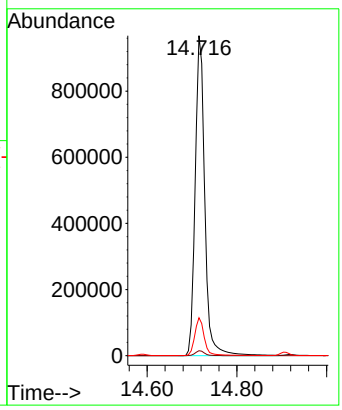


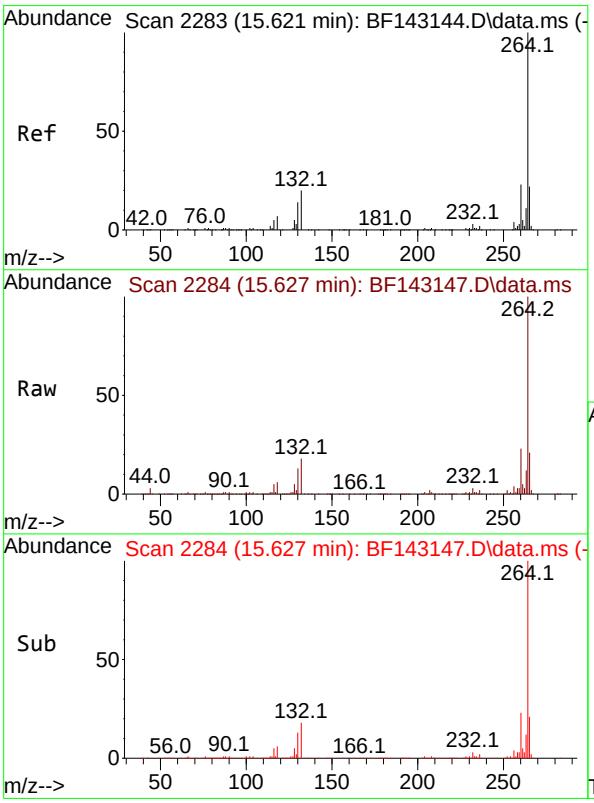
#85
Di-n-octyl phthalate
Concen: 81.519 ng
RT: 14.716 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

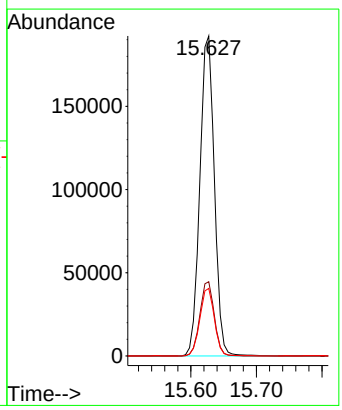


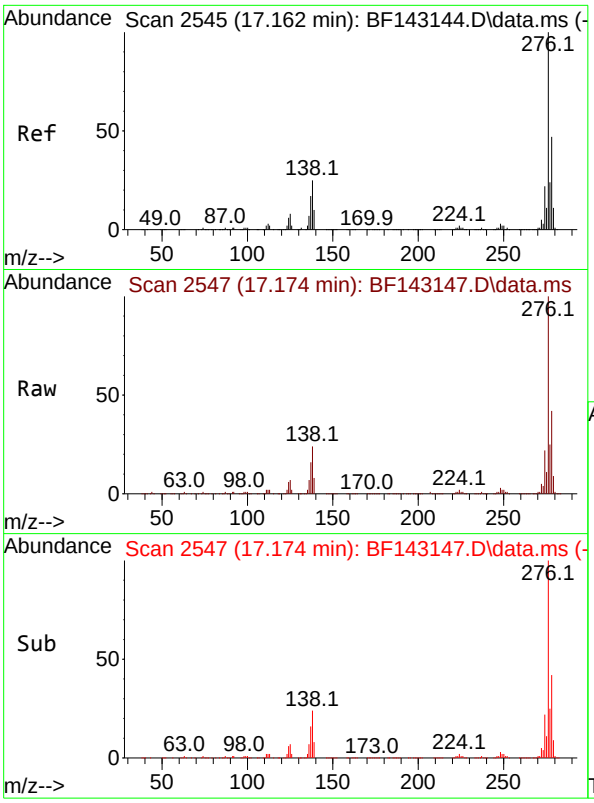


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



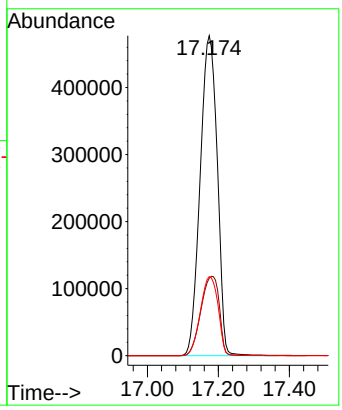


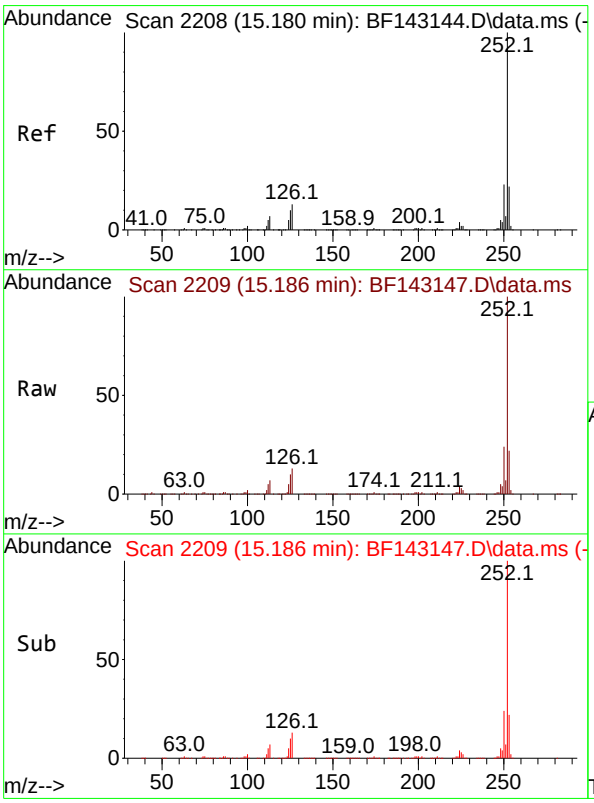
#87
Indeno(1,2,3-cd)pyrene
Concen: 76.718 ng
RT: 17.174 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

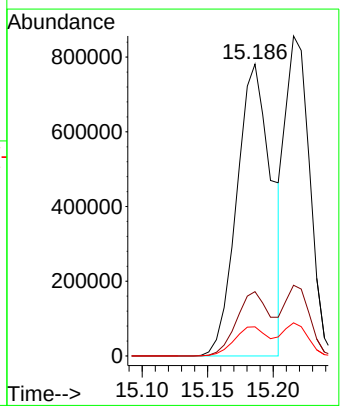


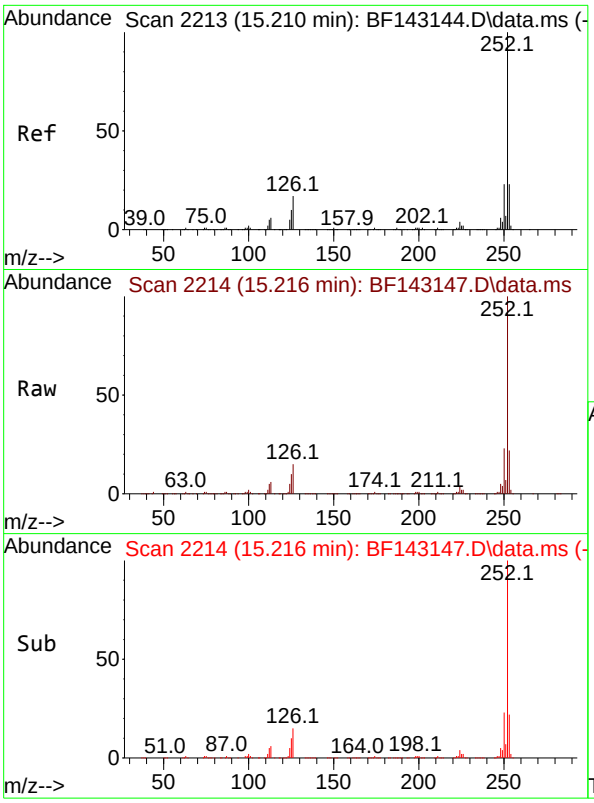


#88
Benzo(b)fluoranthene
Concen: 79.367 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



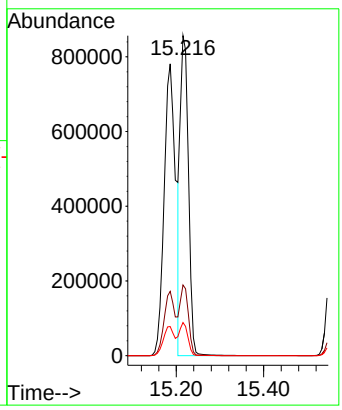


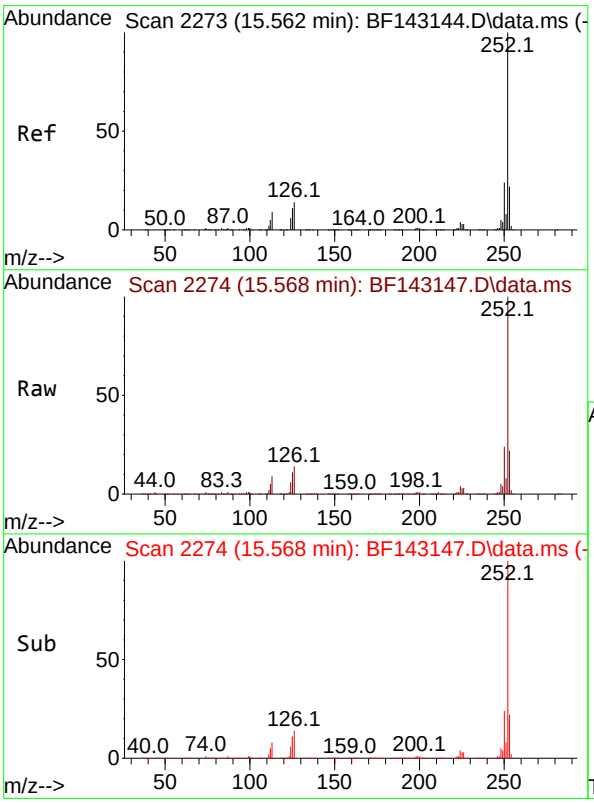
#89
Benzo(k)fluoranthene
Concen: 68.737 ng
RT: 15.216 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

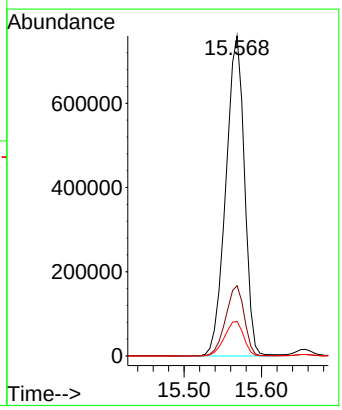


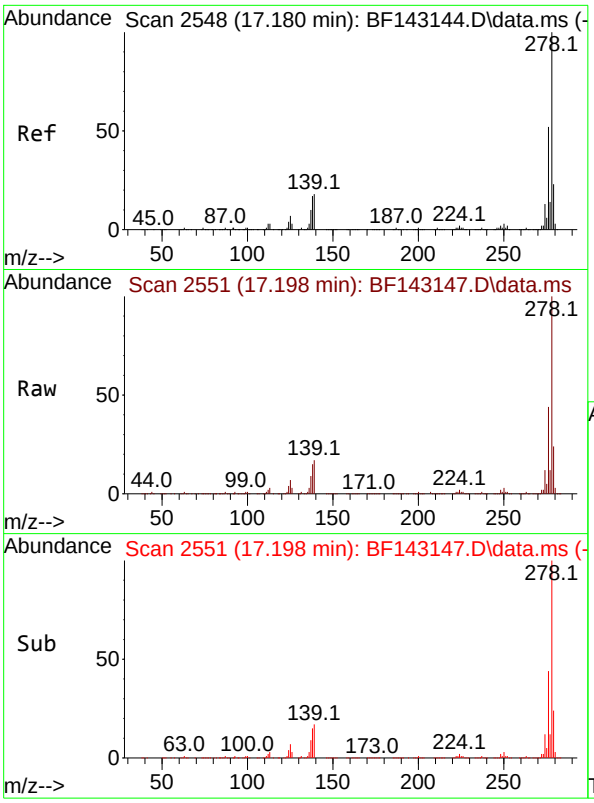


#90
Benzo(a)pyrene
Concen: 76.006 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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



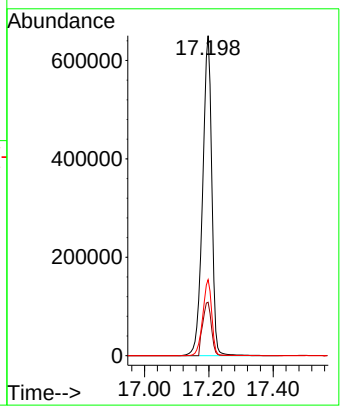


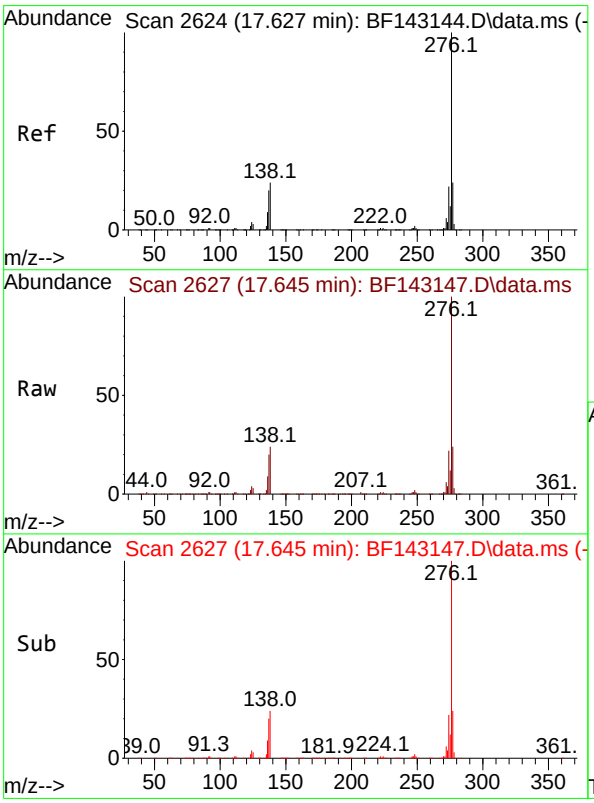
#91
Dibenzo(a,h)anthracene
Concen: 75.746 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

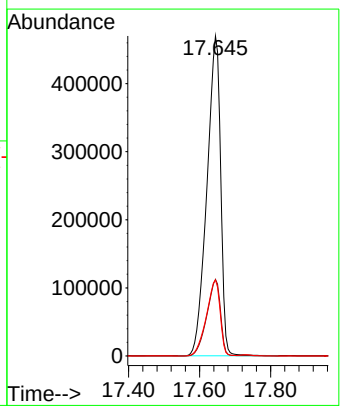




#92
Benzo(g,h,i)perylene
Concen: 76.846 ng
RT: 17.645 min Scan# 2627
Delta R.T. 0.018 min
Lab File: BF143147.D
Acq: 17 Jul 2025 14:34

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

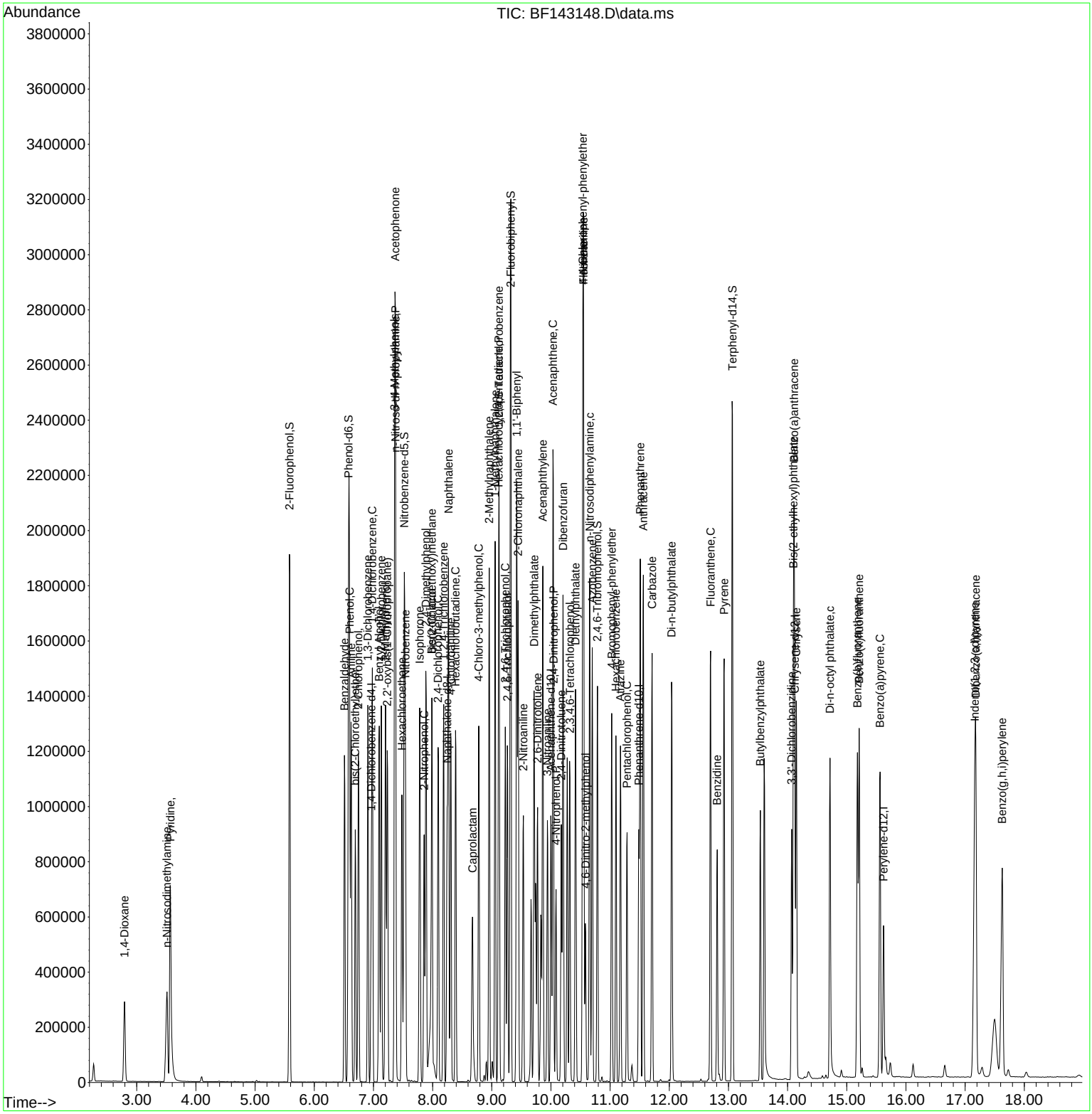
(#) = qualifier out of range (m) = manual integration (+) = signals summed

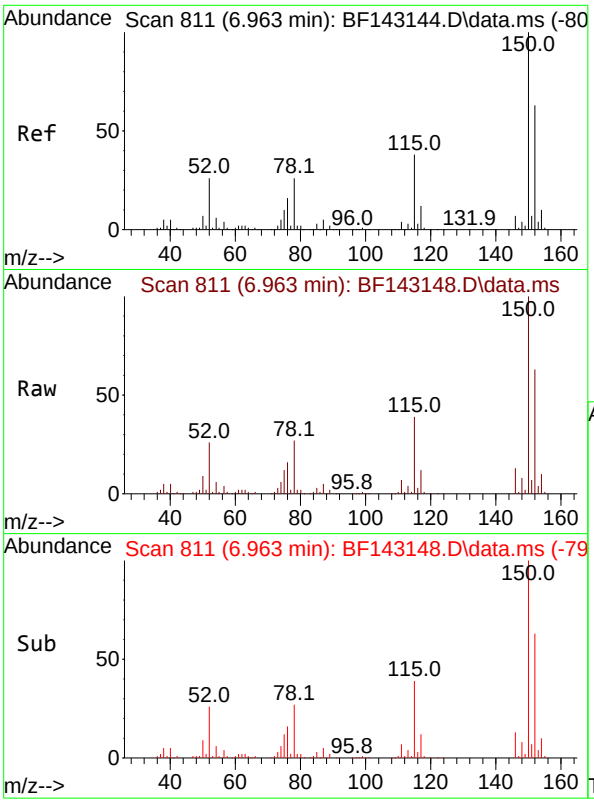
Quantitation Report (Not Reviewed)

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



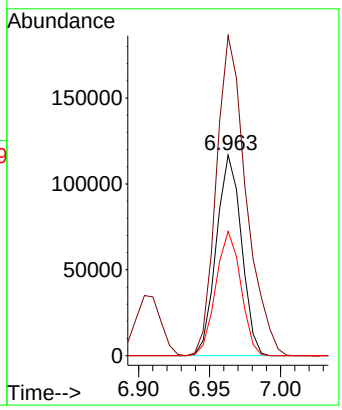


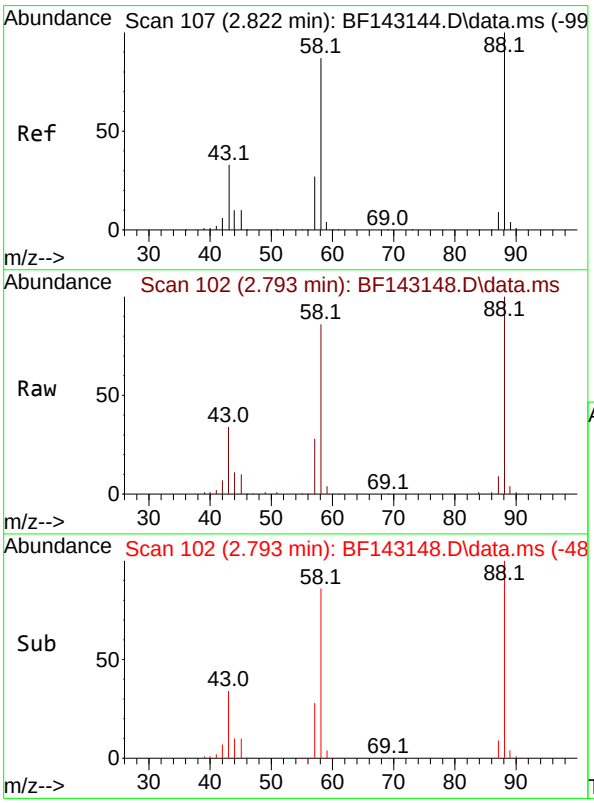
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

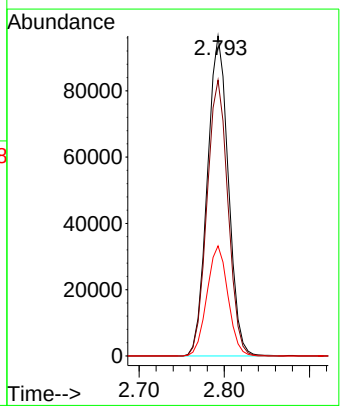


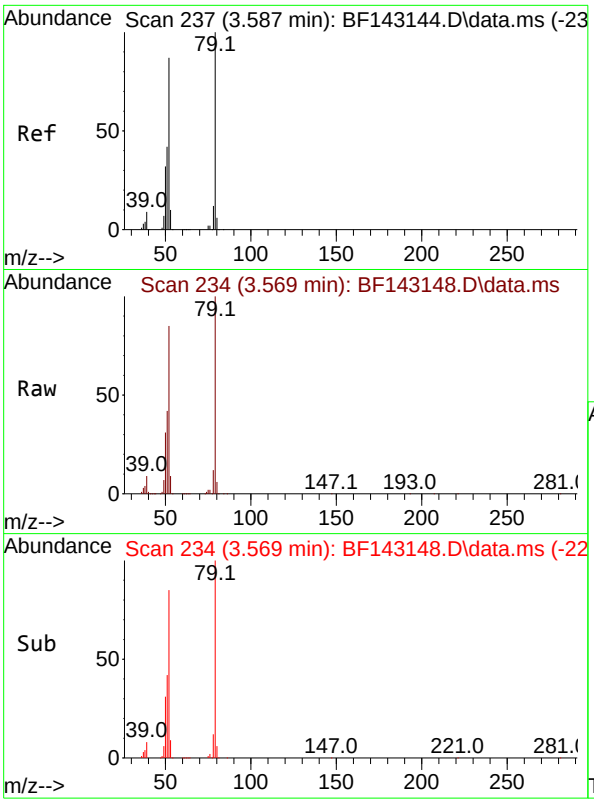


#2
1,4-Dioxane
Concen: 38.496 ng
RT: 2.793 min Scan# 102
Delta R.T. -0.029 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



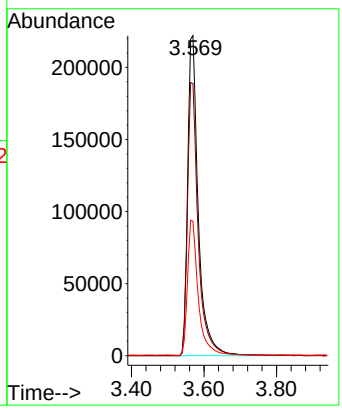


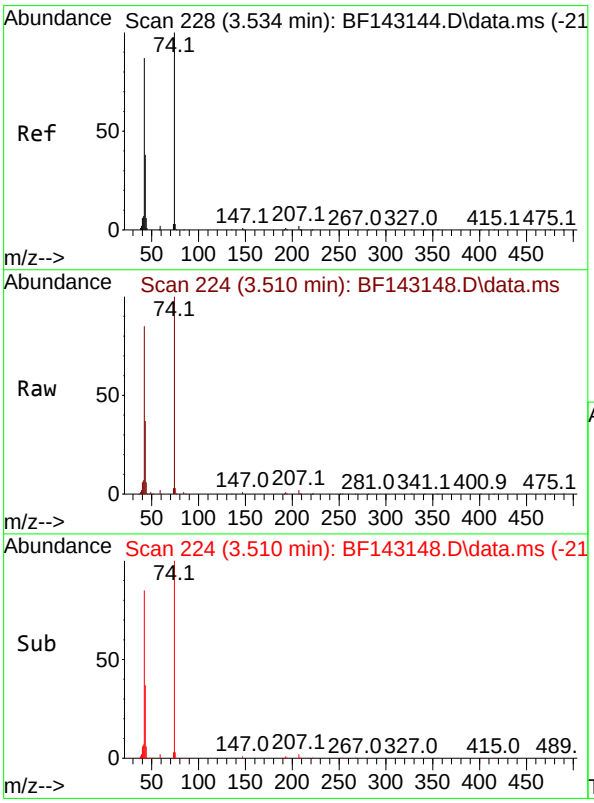
#3
Pyridine
Concen: 40.604 ng
RT: 3.569 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

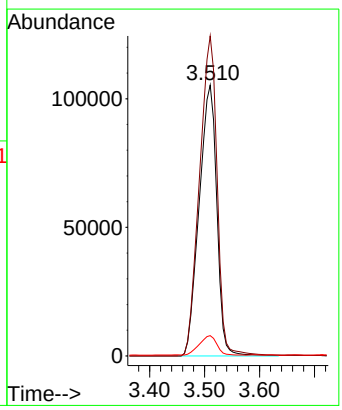


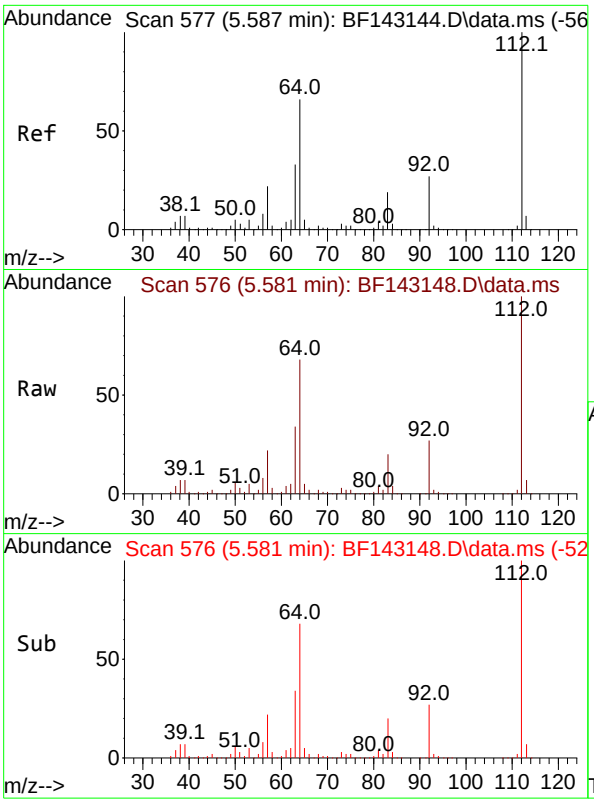


#4
n-Nitrosodimethylamine
Concen: 40.802 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.024 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



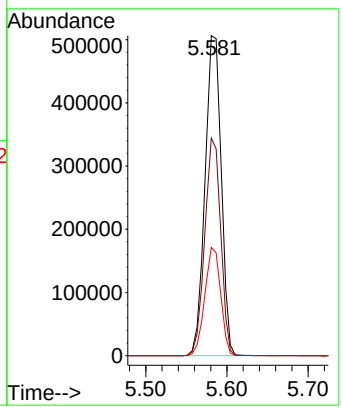


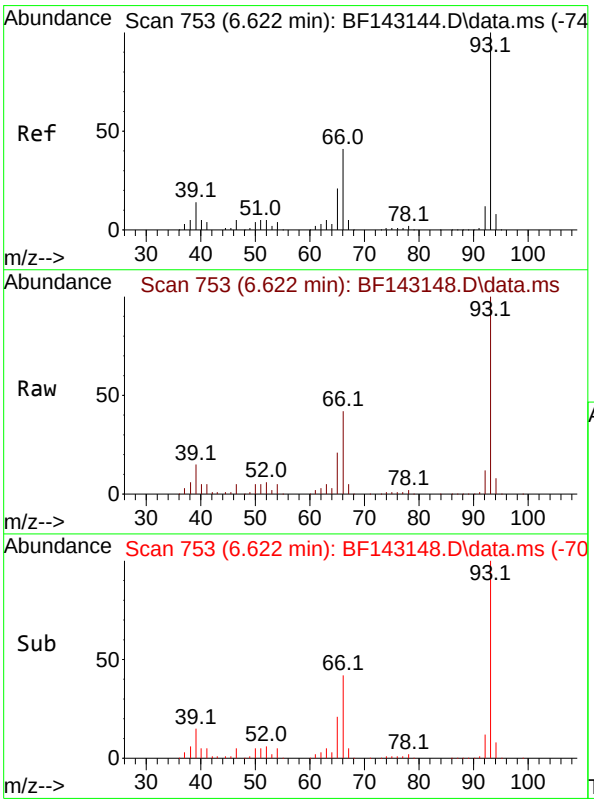
#5
2-Fluorophenol
Concen: 77.143 ng
RT: 5.581 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

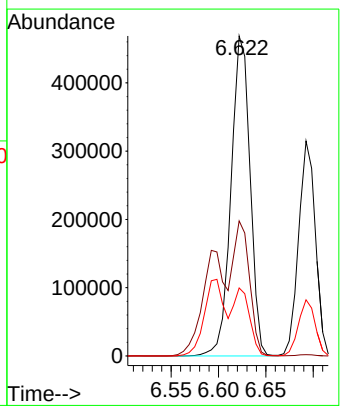


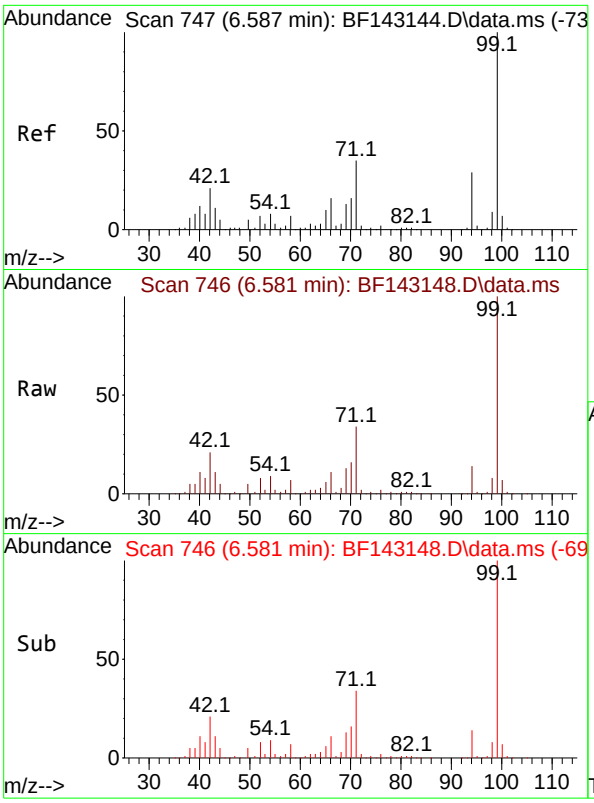


#6
Aniline
Concen: 41.078 ng
RT: 6.622 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



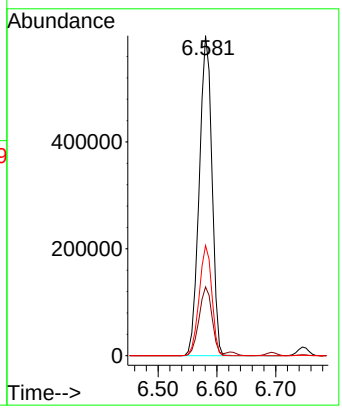


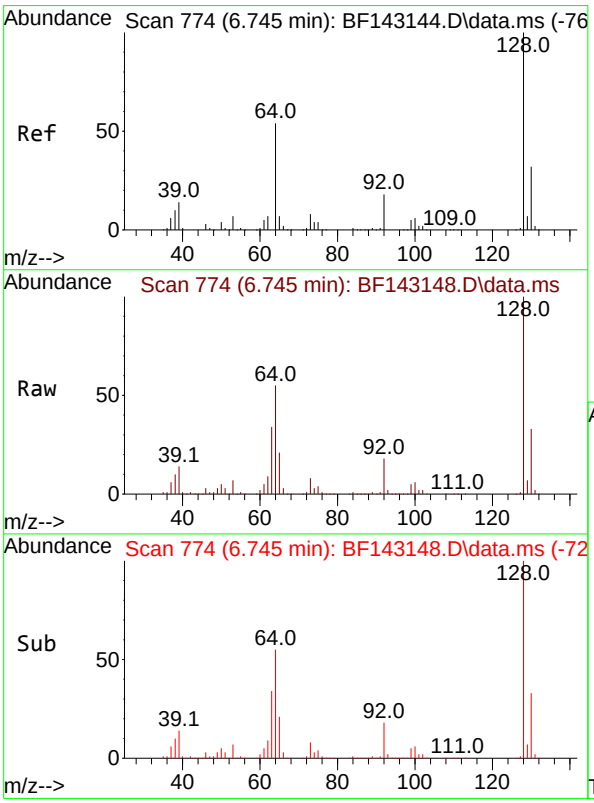
#7
Phenol-d6
Concen: 78.133 ng
RT: 6.581 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

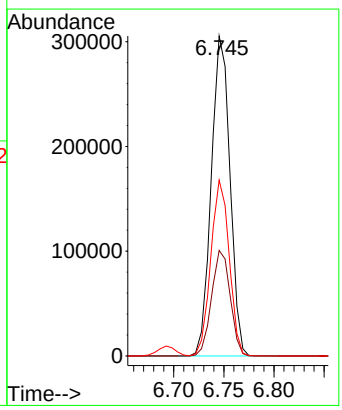


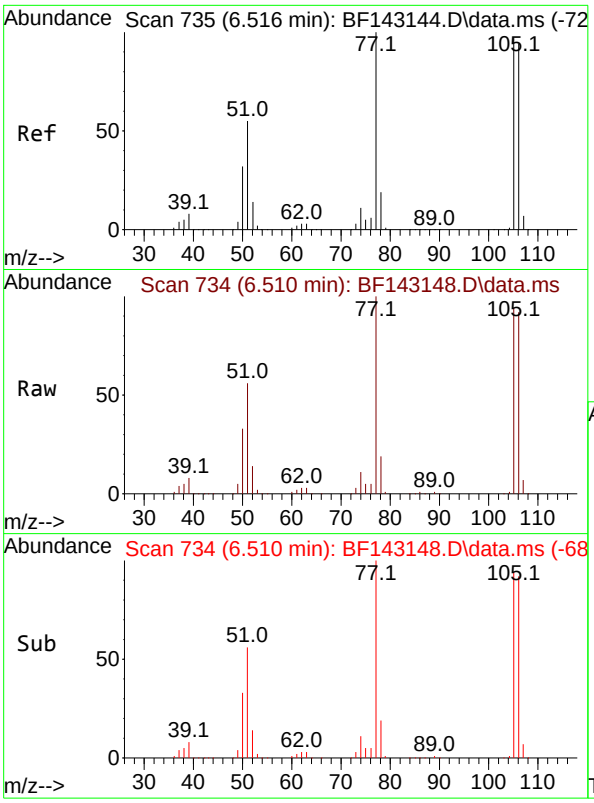


#8
2-Chlorophenol
Concen: 41.530 ng
RT: 6.745 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



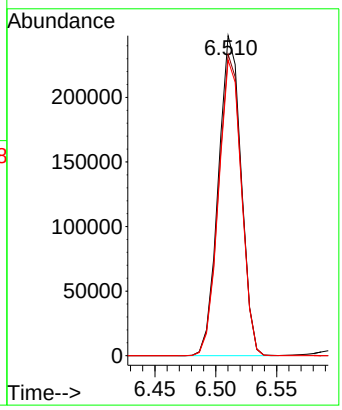


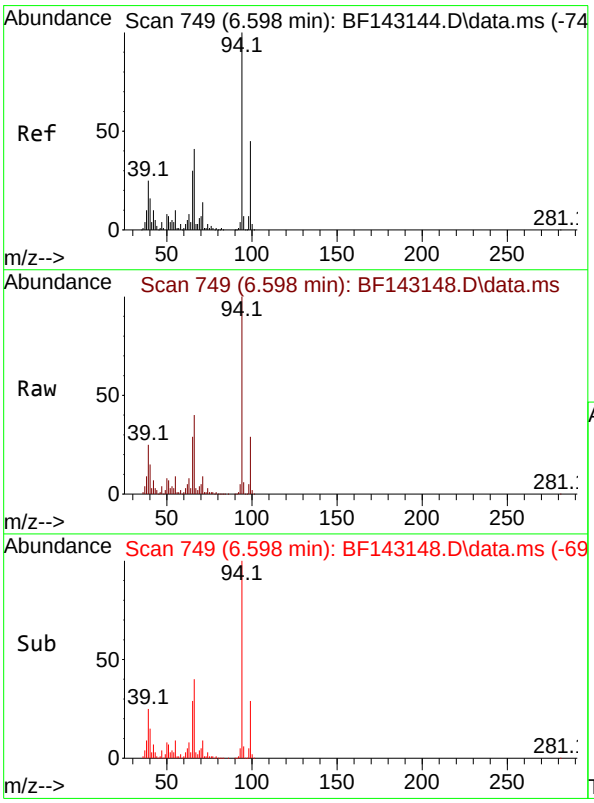
#9
Benzaldehyde
Concen: 37.441 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

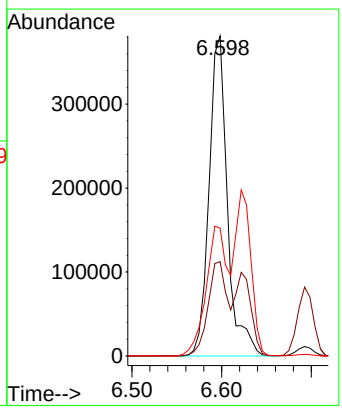


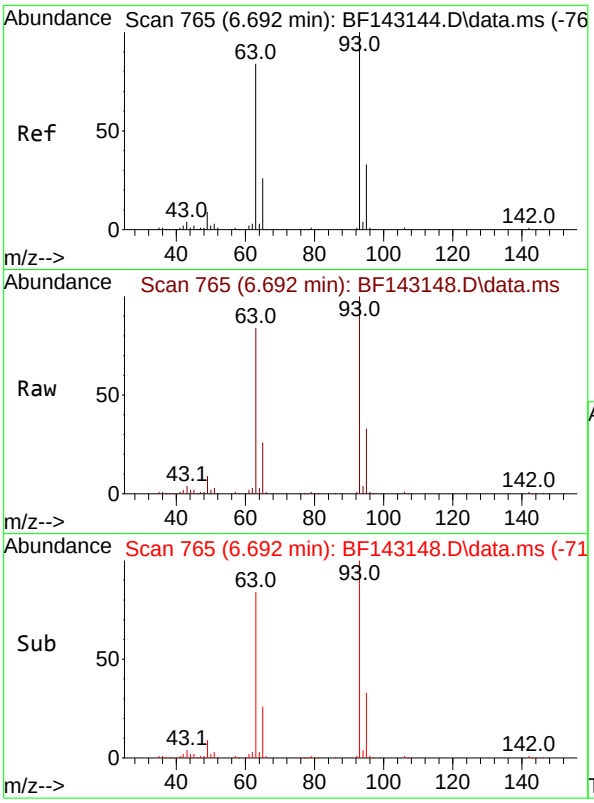


#10
Phenol
Concen: 43.542 ng
RT: 6.598 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



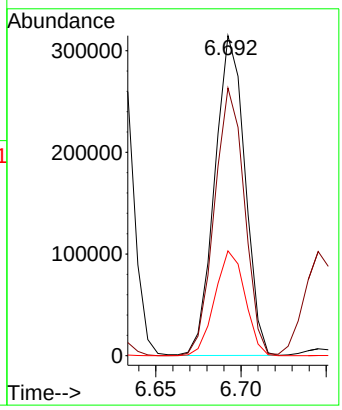


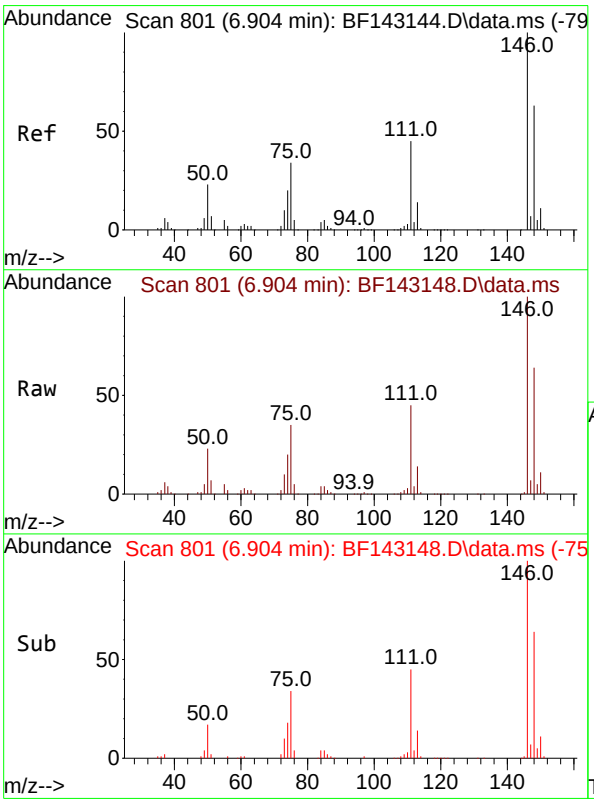
#11
bis(2-Chloroethyl)ether
Concen: 40.628 ng
RT: 6.692 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

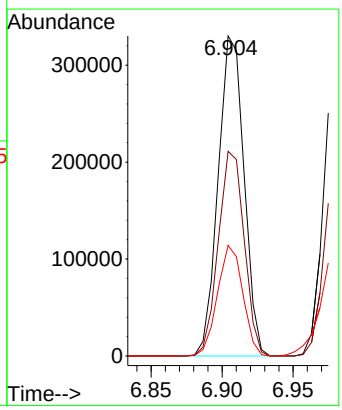


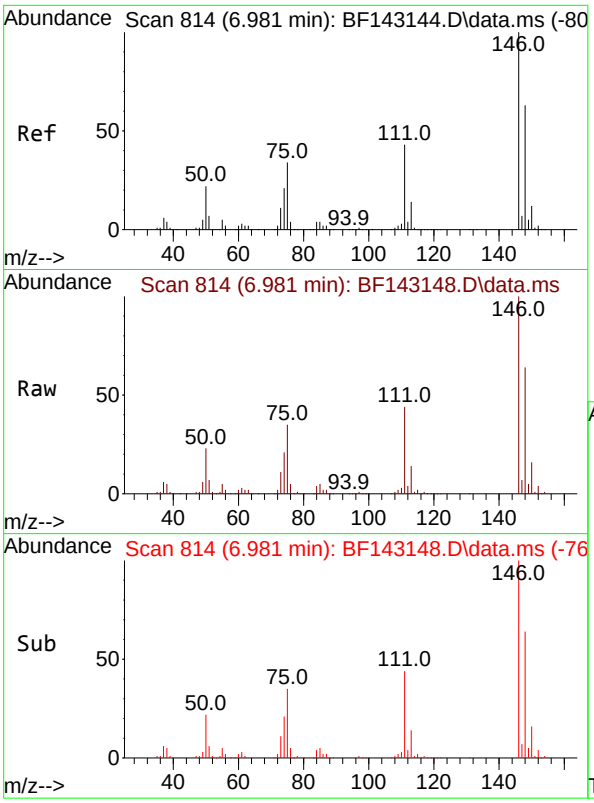


#12
1,3-Dichlorobenzene
Concen: 40.400 ng
RT: 6.904 min Scan# 801
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



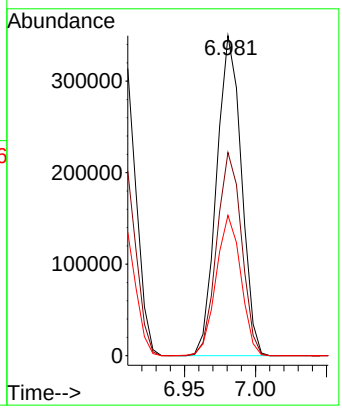


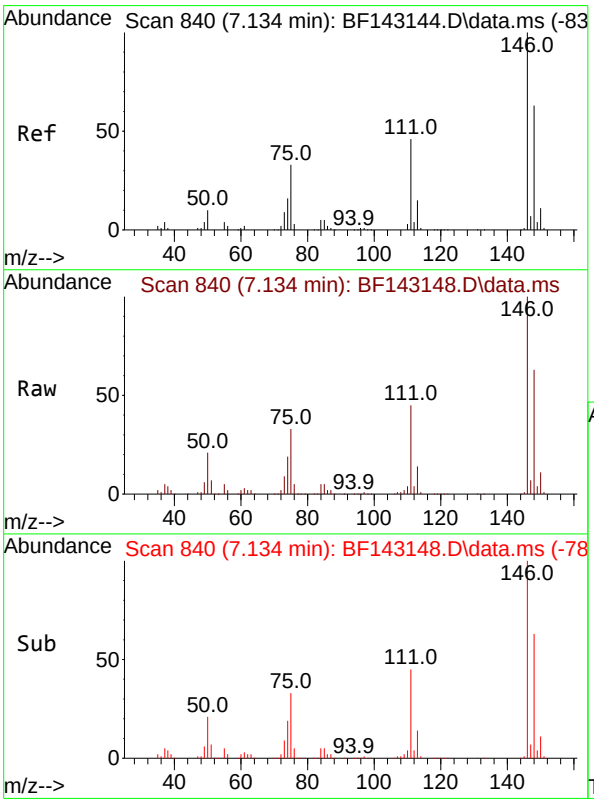
#13
1,4-Dichlorobenzene
Concen: 40.731 ng
RT: 6.981 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

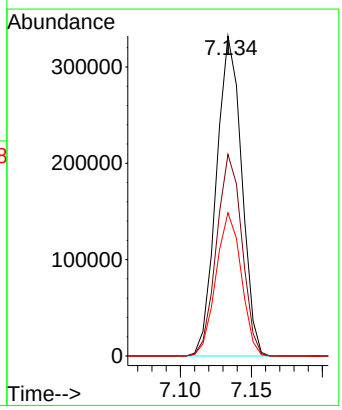


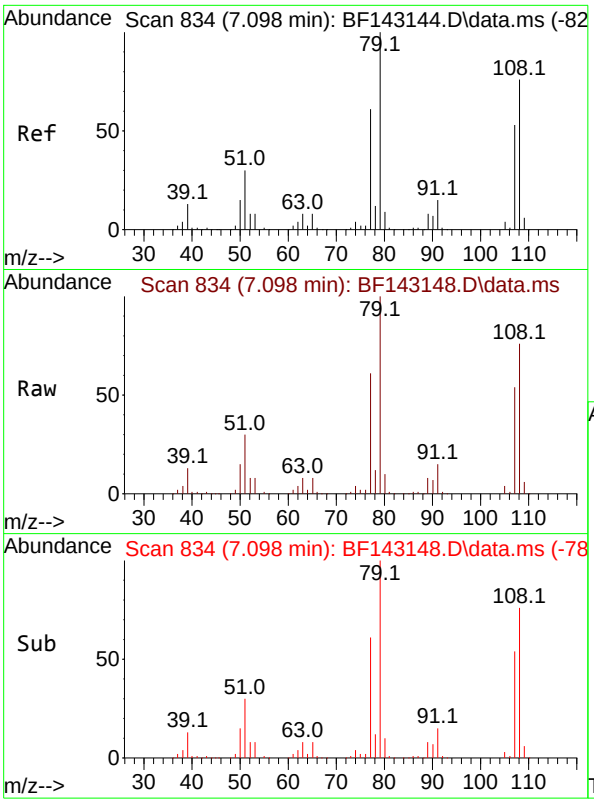


#14
1,2-Dichlorobenzene
Concen: 41.506 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



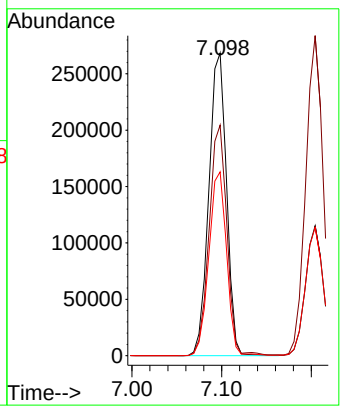


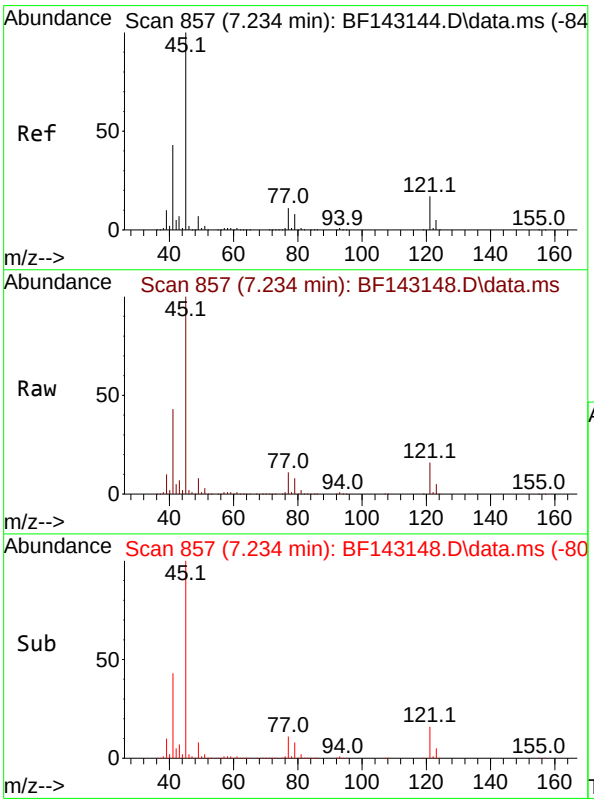
#15
Benzyl Alcohol
Concen: 41.958 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

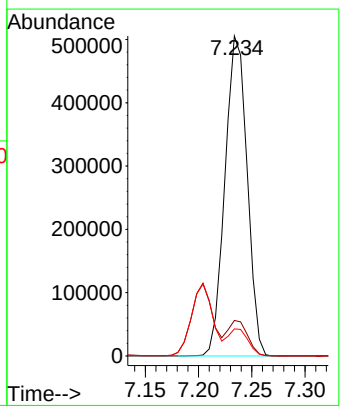


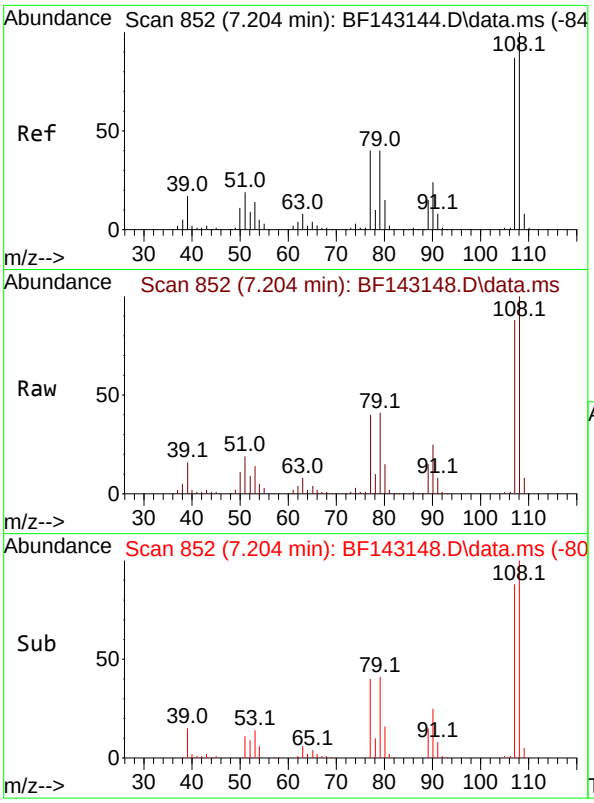


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.357 ng
RT: 7.234 min Scan# 857
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



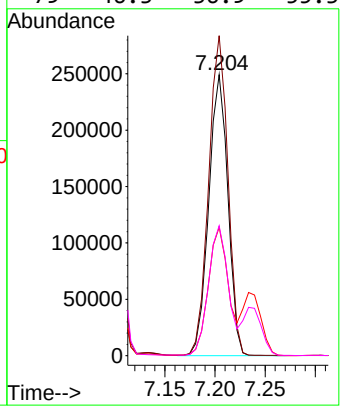


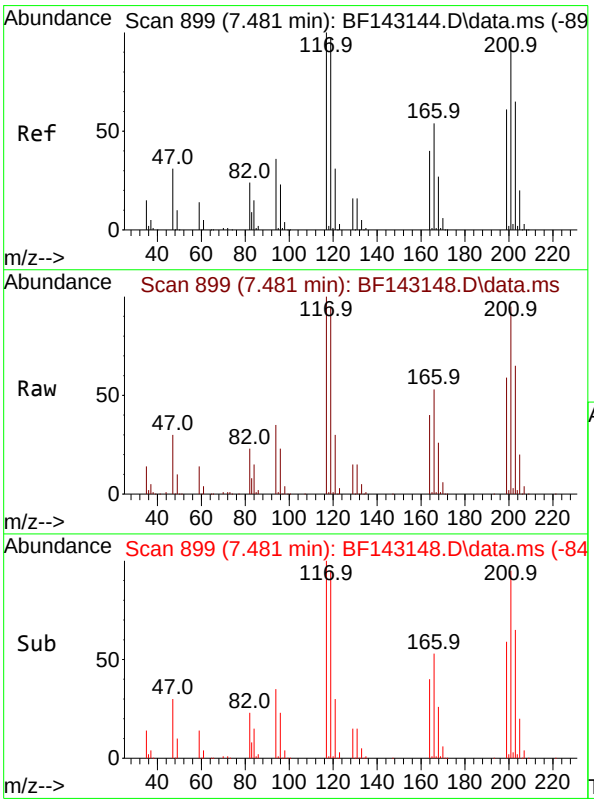
#17
2-Methylphenol
Concen: 41.398 ng
RT: 7.204 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

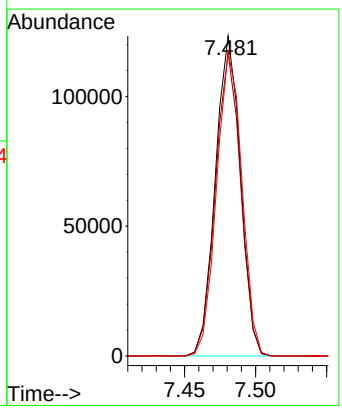


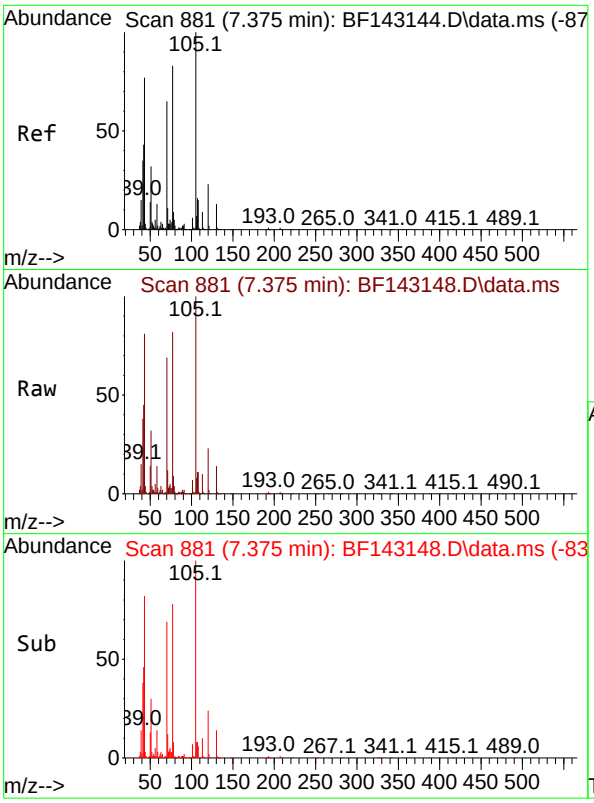


#18
Hexachloroethane
Concen: 41.903 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



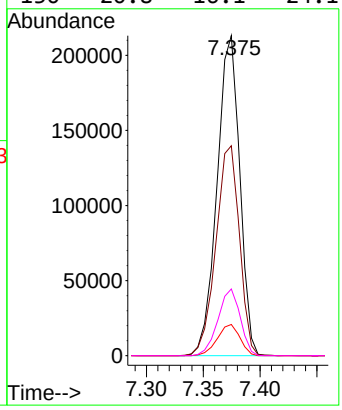


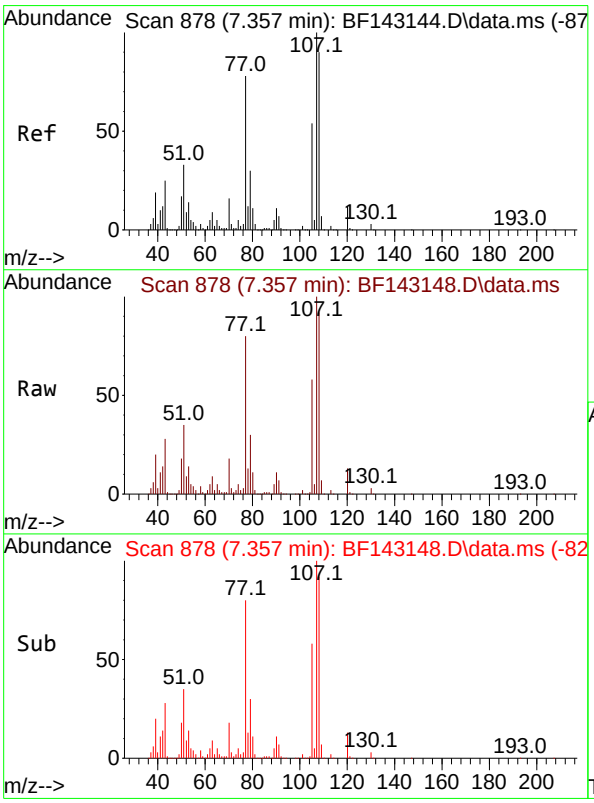
#19
n-Nitroso-di-n-propylamine
Concen: 40.342 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

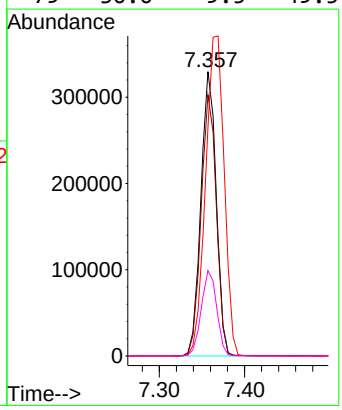


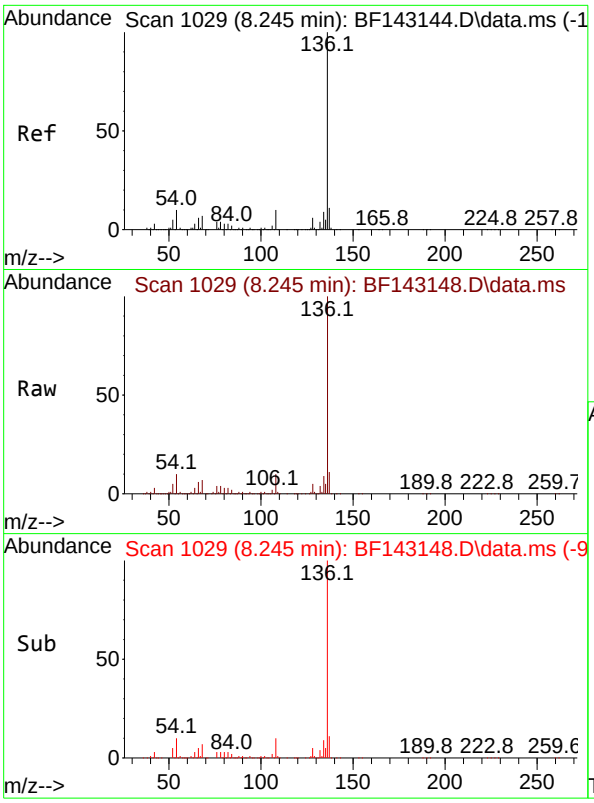


#20
3+4-Methylphenols
Concen: 42.387 ng
RT: 7.357 min Scan# 878
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



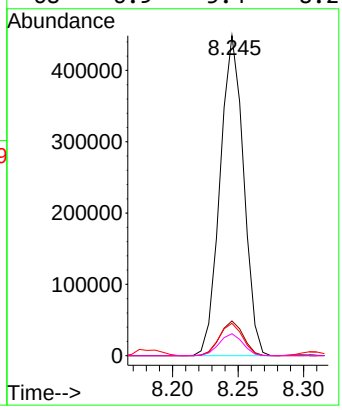


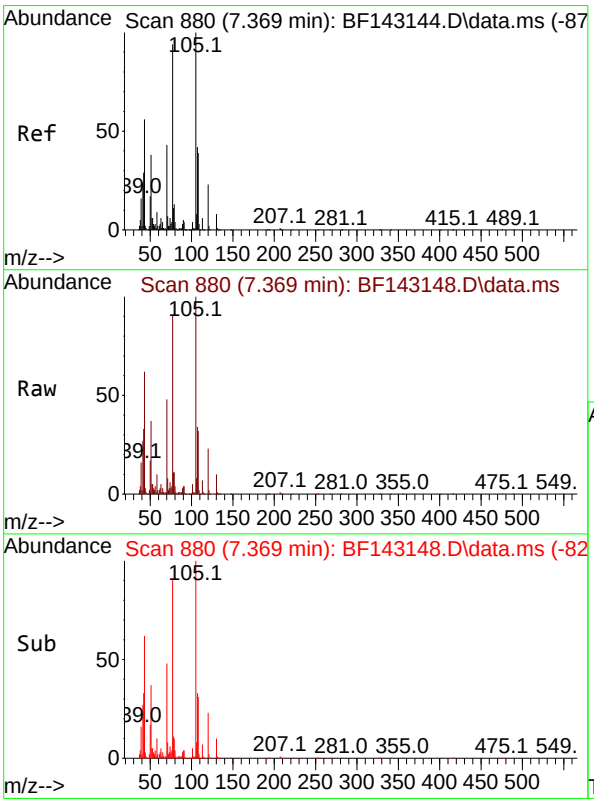
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

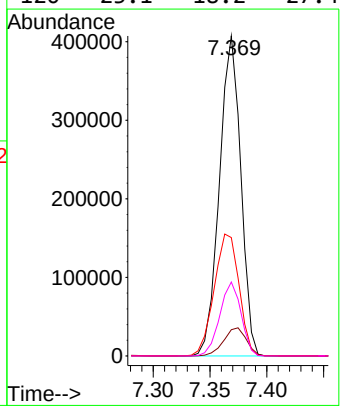


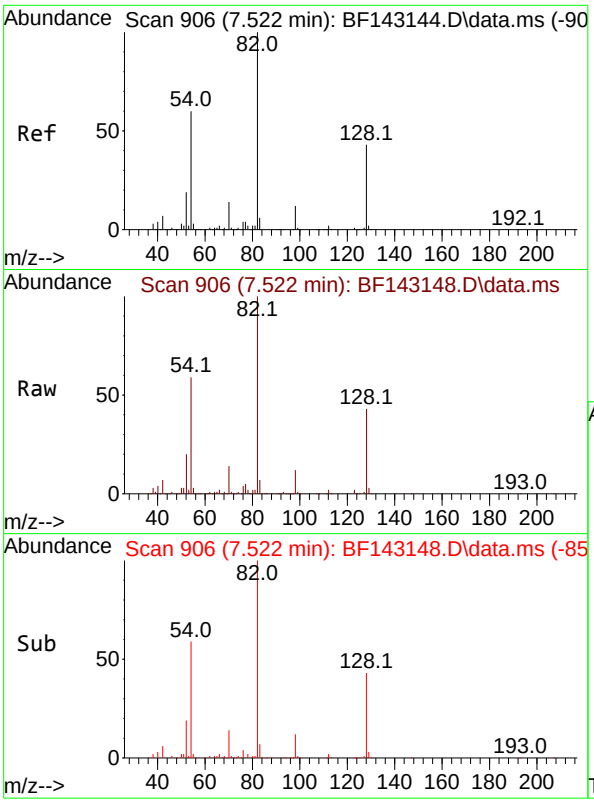


#22
Acetophenone
Concen: 40.260 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



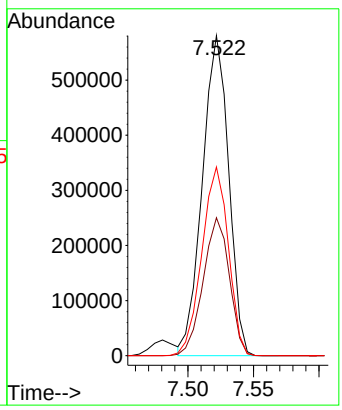


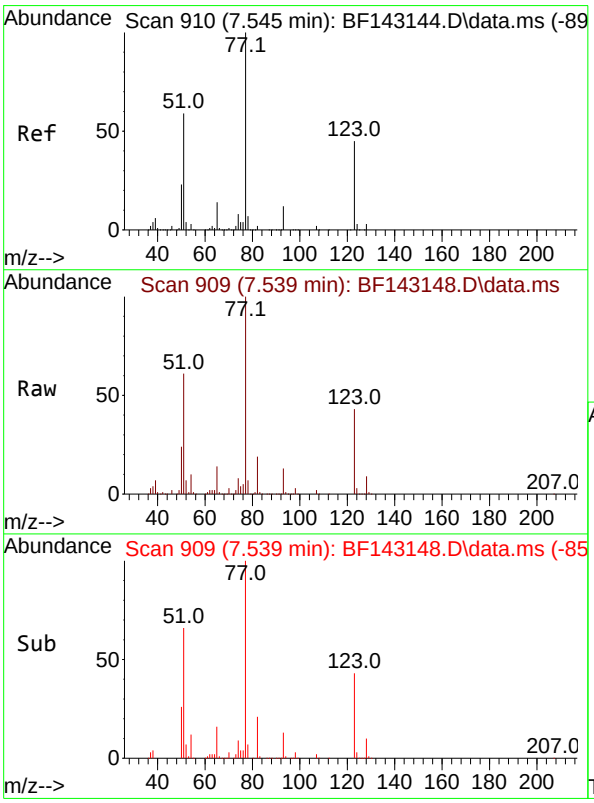
#23
Nitrobenzene-d5
Concen: 72.247 ng
RT: 7.522 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

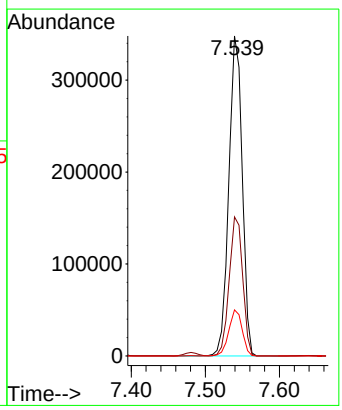


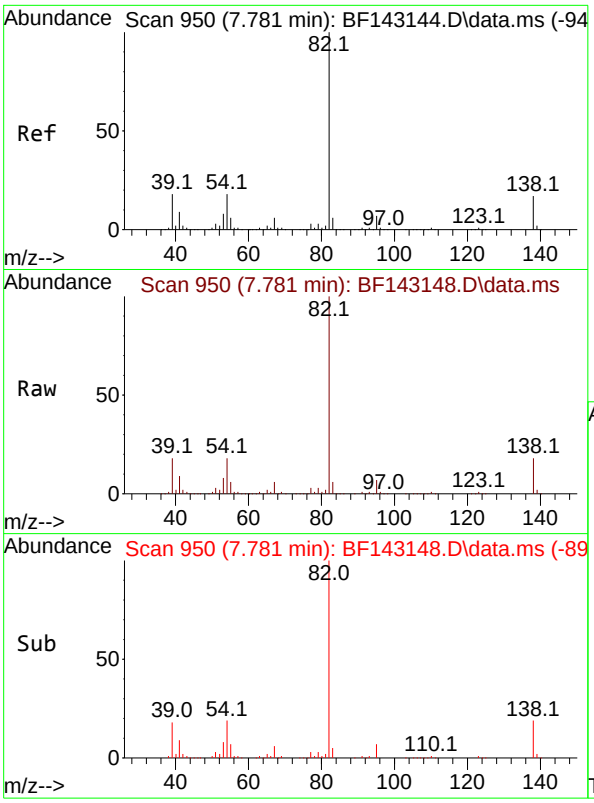


#24
Nitrobenzene
Concen: 41.731 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



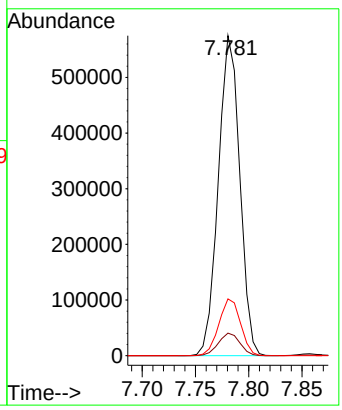


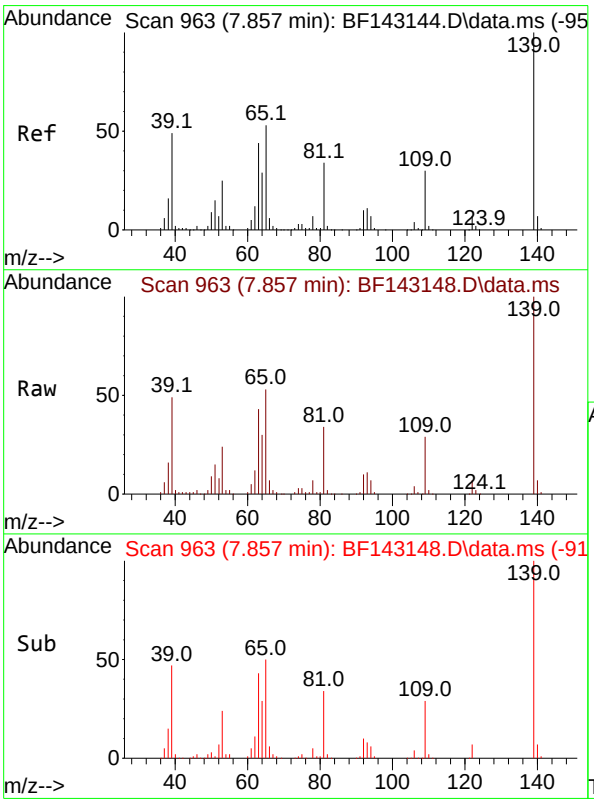
#25
Isophorone
Concen: 40.567 ng
RT: 7.781 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

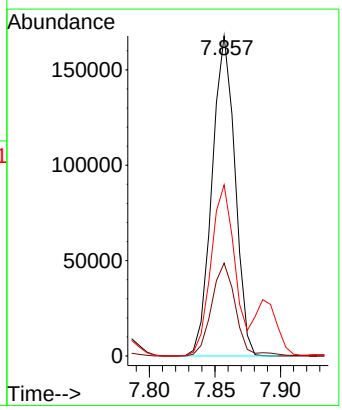


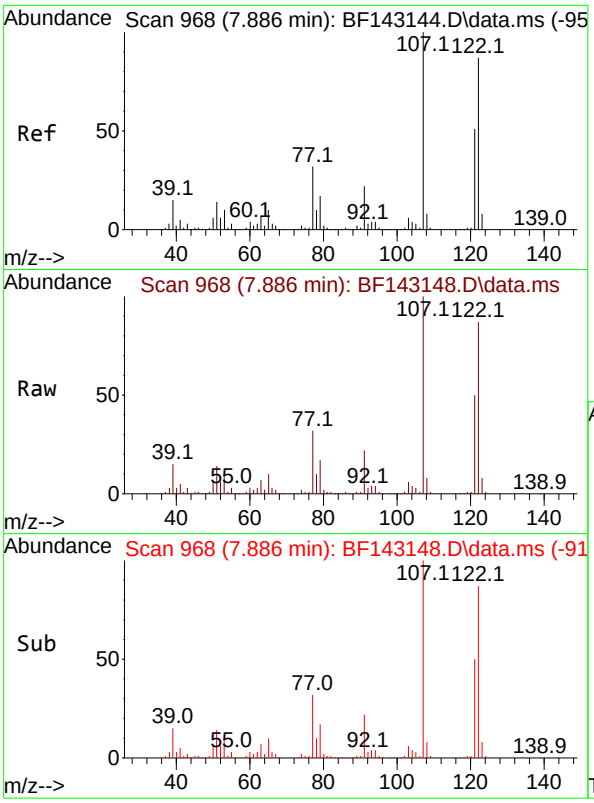


#26
2-Nitrophenol
Concen: 44.896 ng
RT: 7.857 min Scan# 963
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



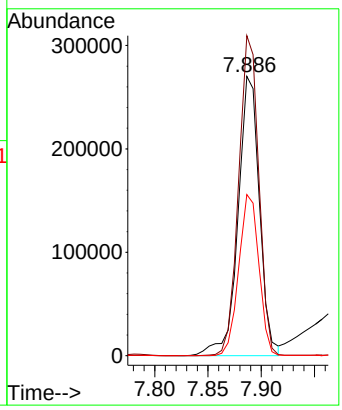


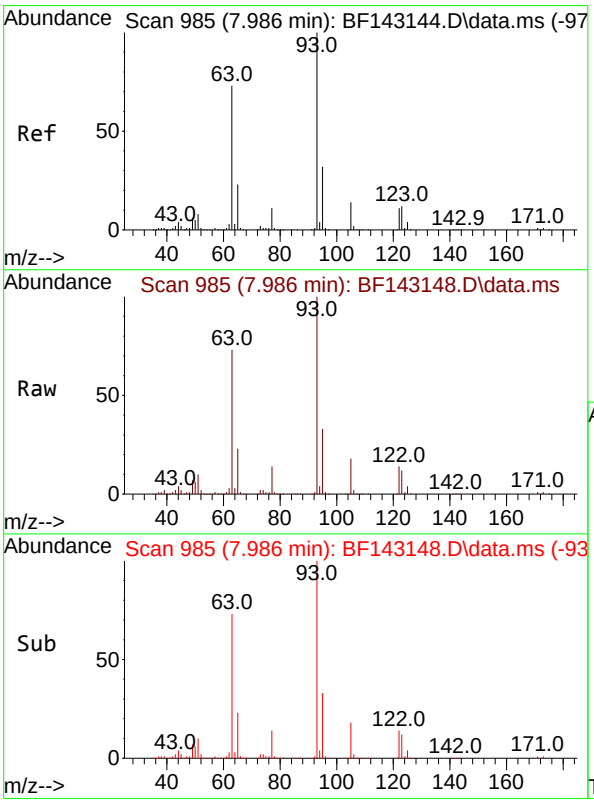
#27
2,4-Dimethylphenol
Concen: 40.773 ng
RT: 7.886 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

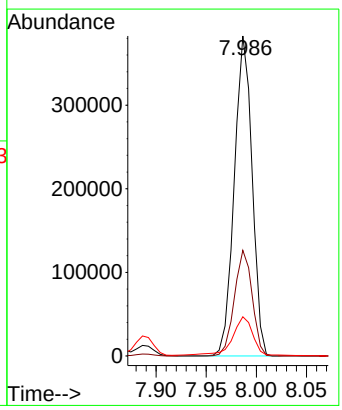


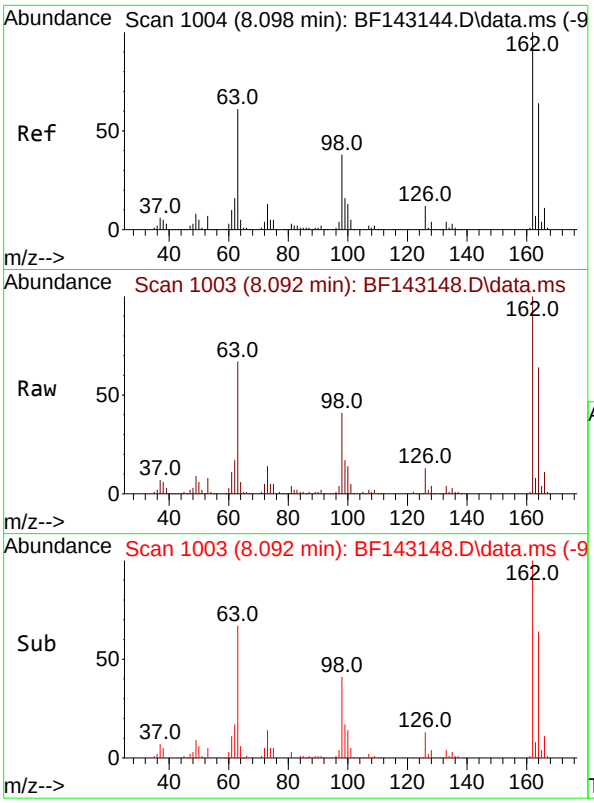


#28
bis(2-Chloroethoxy)methane
Concen: 39.939 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



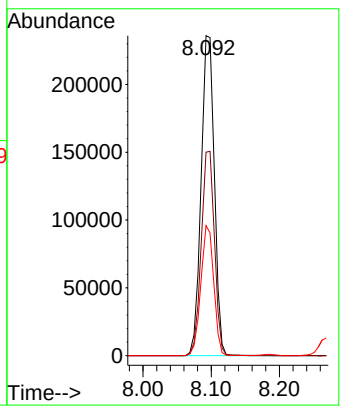


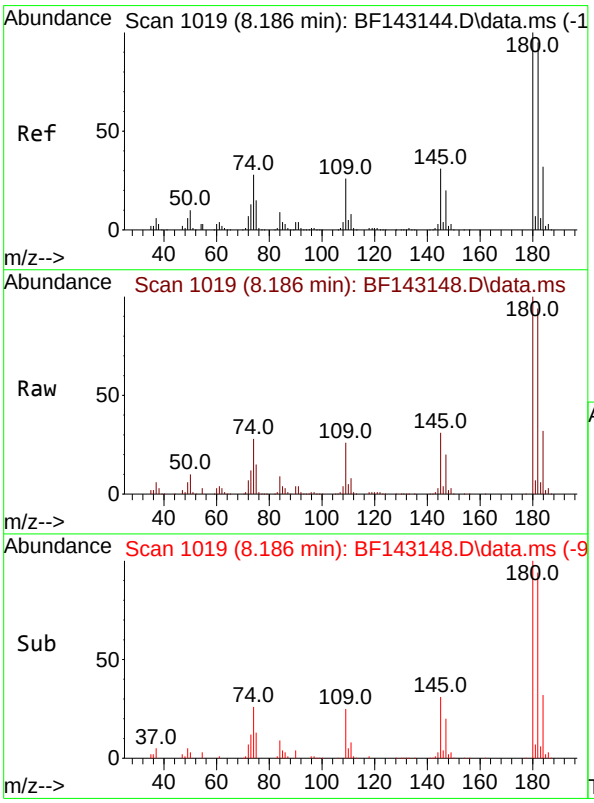
#29
2,4-Dichlorophenol
Concen: 40.875 ng
RT: 8.092 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

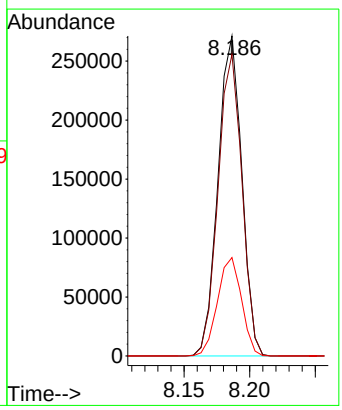


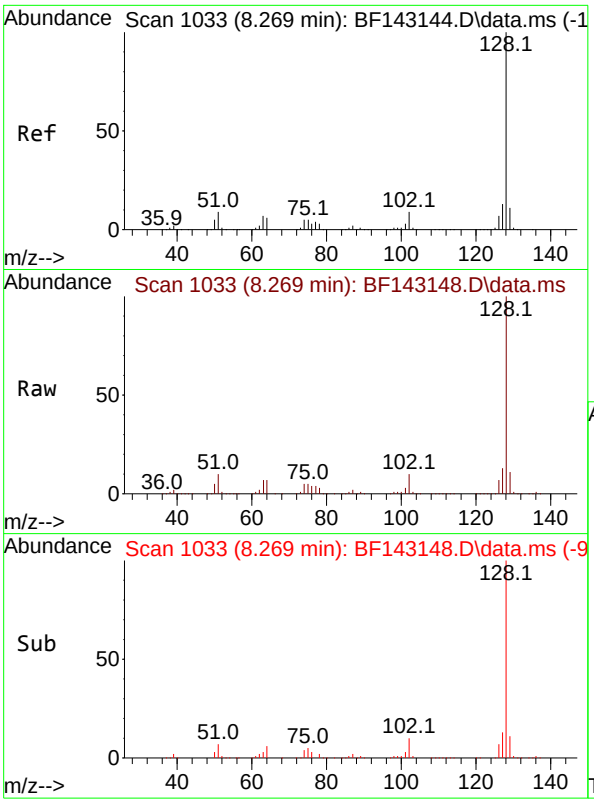


#30
1,2,4-Trichlorobenzene
Concen: 40.551 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



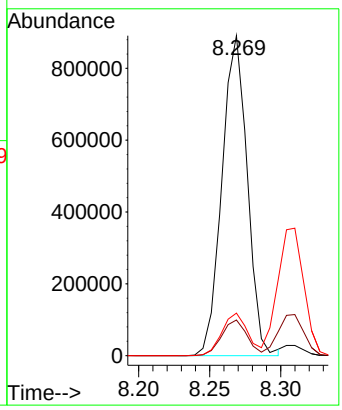


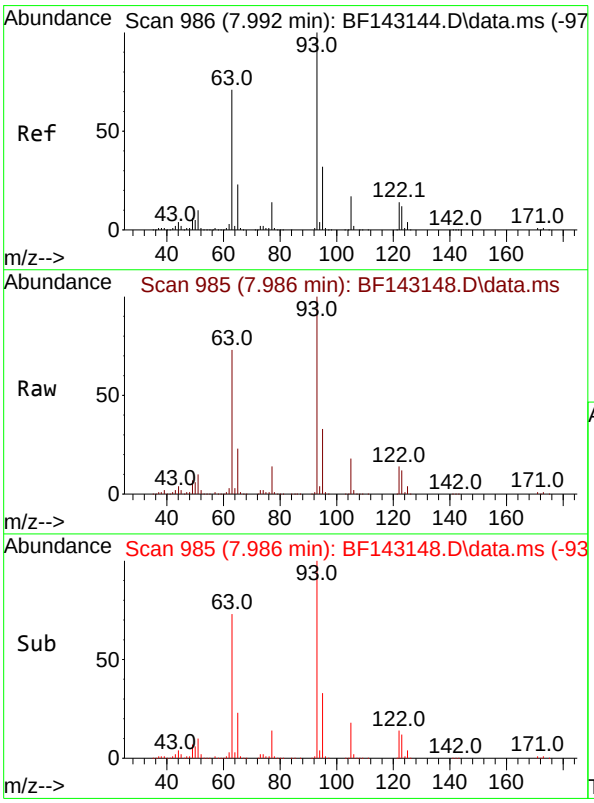
#31
Naphthalene
Concen: 40.143 ng
RT: 8.269 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

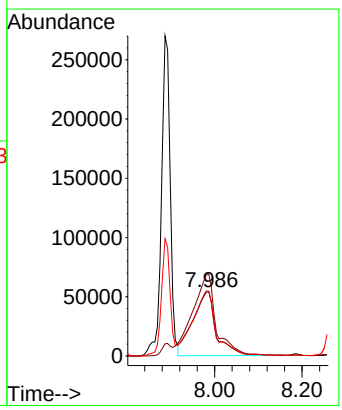


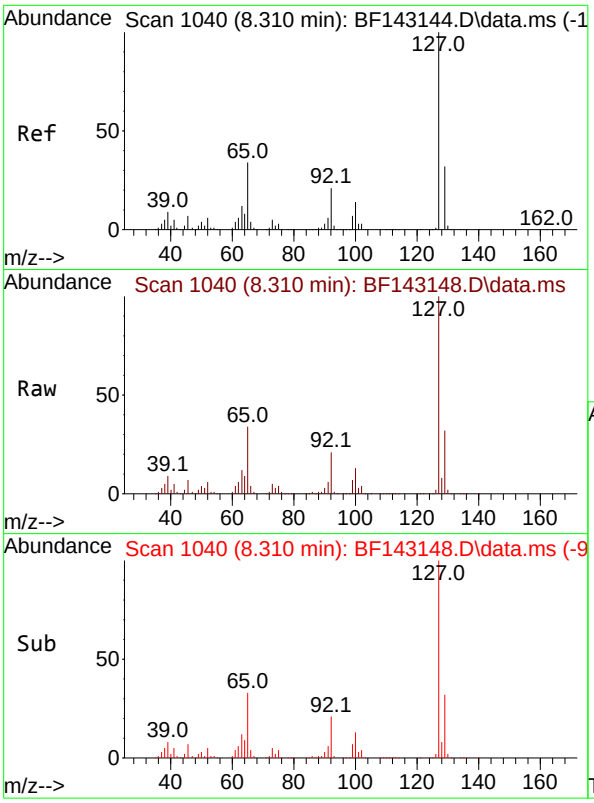


#32
Benzoic acid
Concen: 39.782 ng
RT: 7.986 min Scan# 985
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



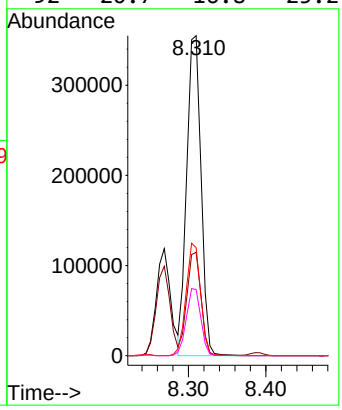


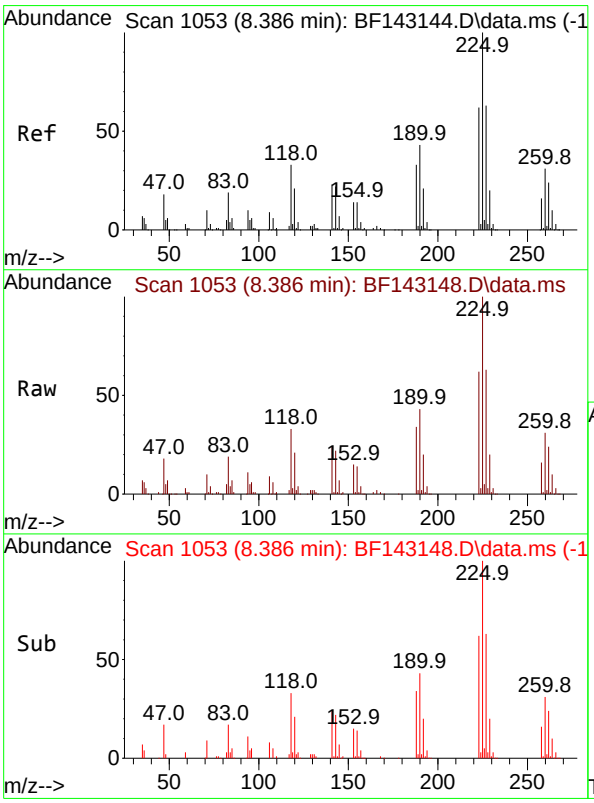
#33
4-Chloroaniline
Concen: 40.671 ng
RT: 8.310 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

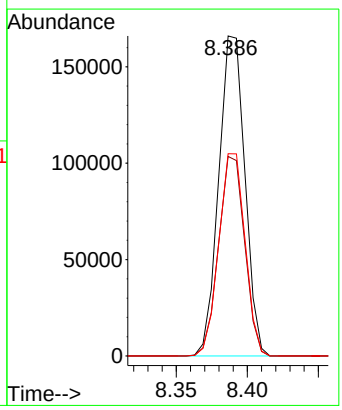


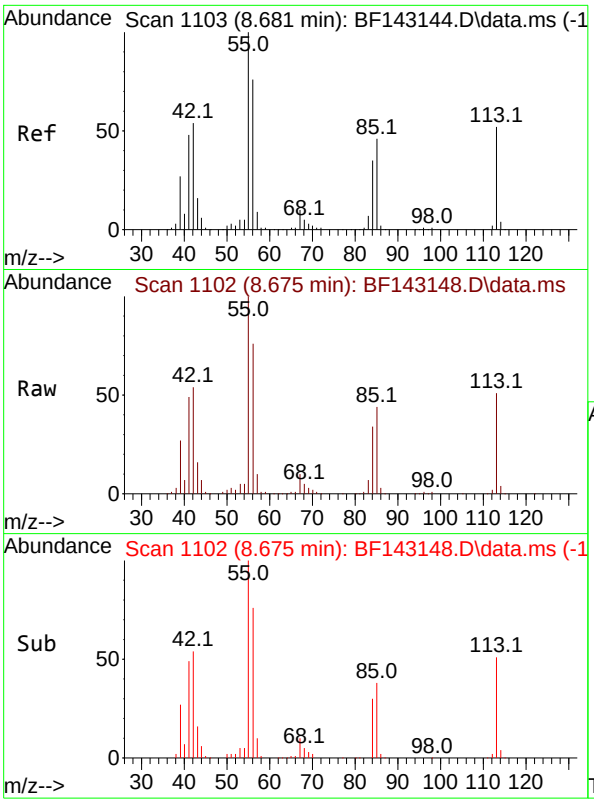


#34
Hexachlorobutadiene
Concen: 41.284 ng
RT: 8.386 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



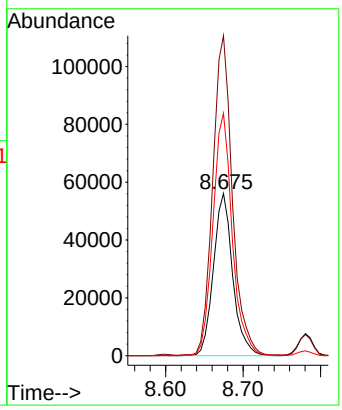


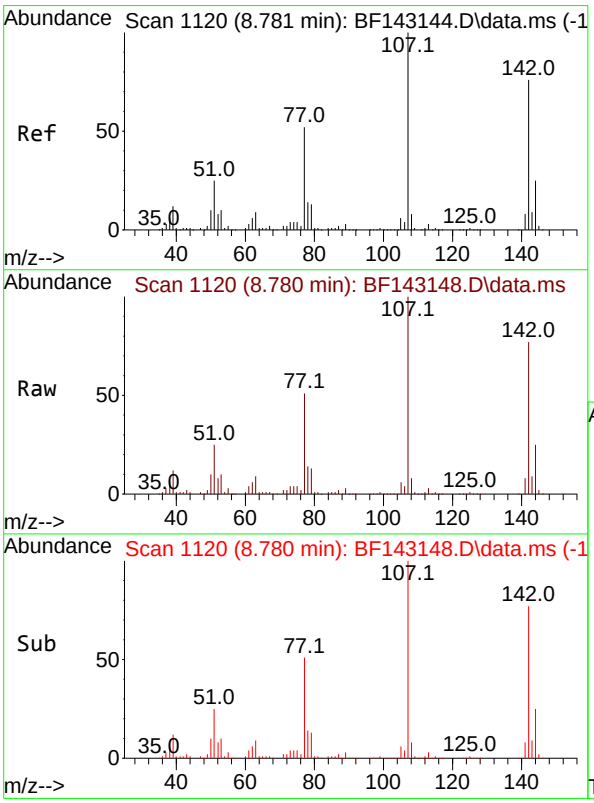
#35
Caprolactam
Concen: 40.959 ng
RT: 8.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

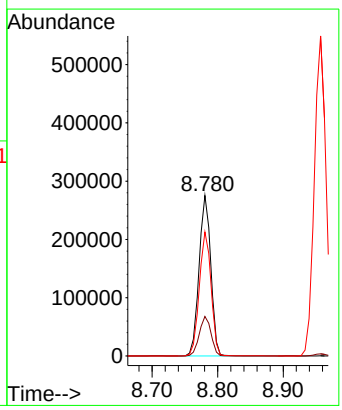


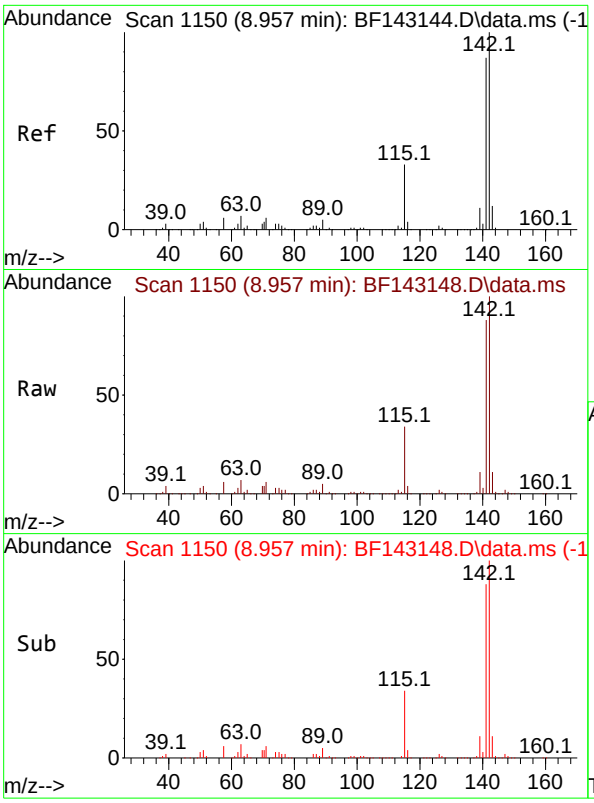


#36
4-Chloro-3-methylphenol
Concen: 40.611 ng
RT: 8.780 min Scan# 1120
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



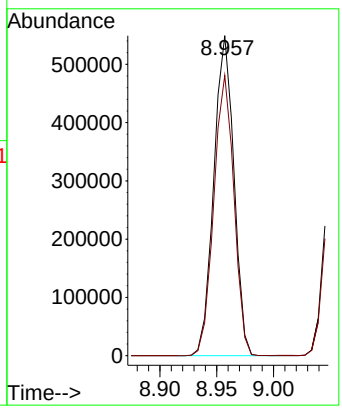


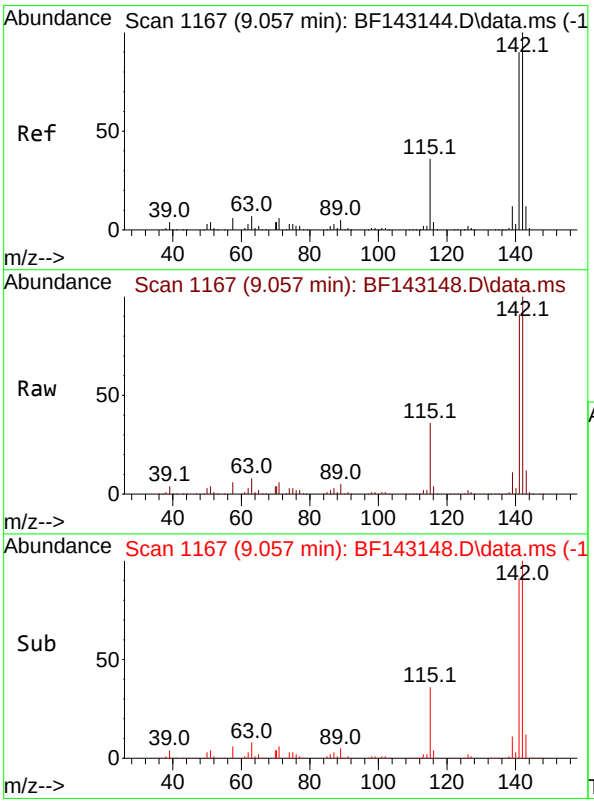
#37
2-Methylnaphthalene
Concen: 40.279 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Instrument :
BNA_F
ClientSampleId :
ICVBF071725

Tgt Ion:142 Resp: 675594

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.9	104.9

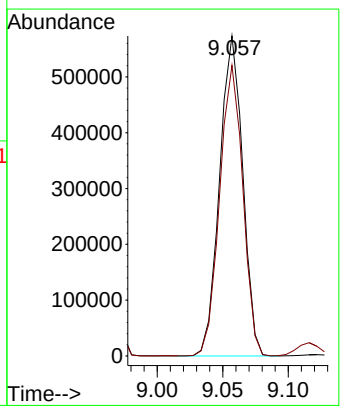


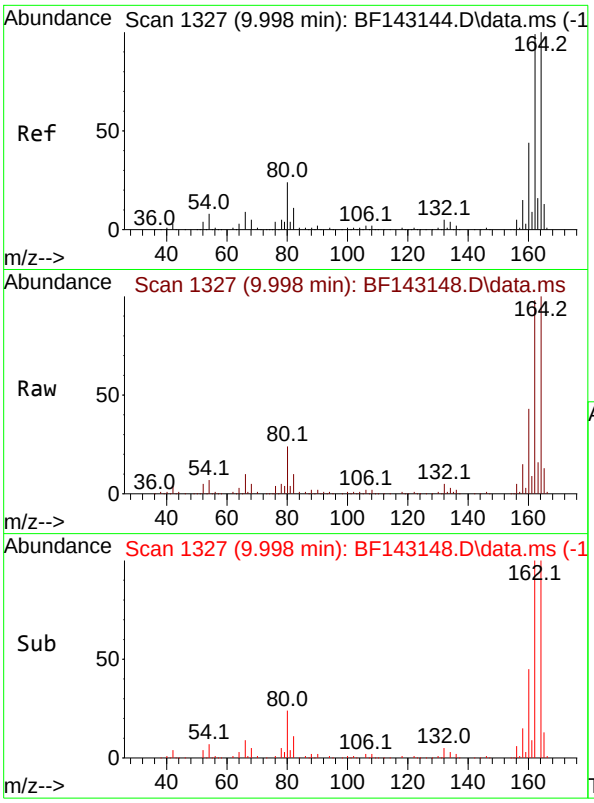


#38
1-Methylnaphthalene
Concen: 40.712 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

Tgt Ion:142 Resp: 703170

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.3	108.5



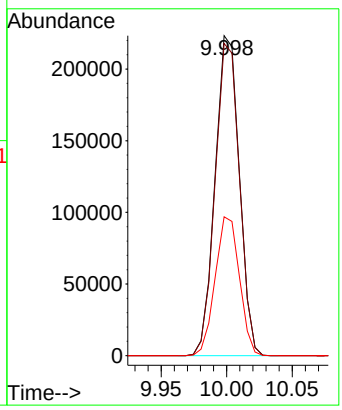


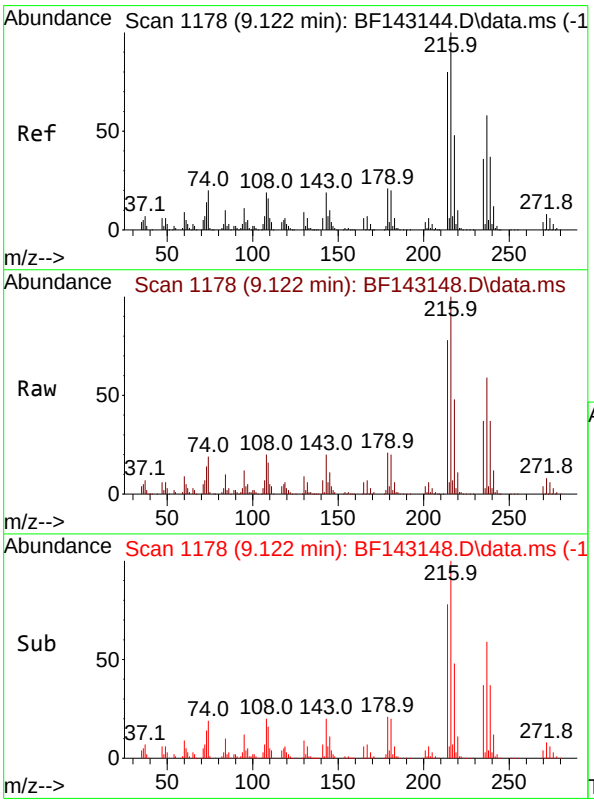
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

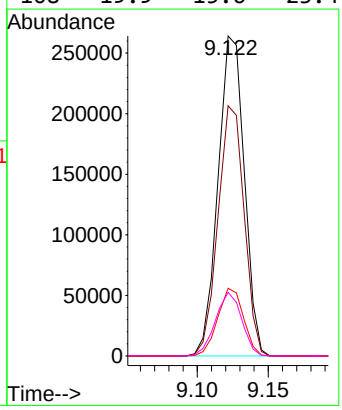


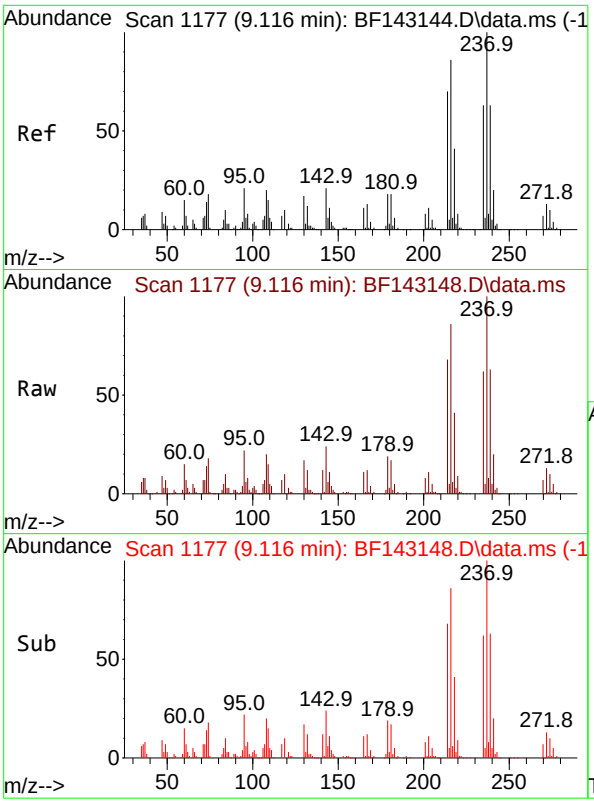


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.944 ng
RT: 9.122 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



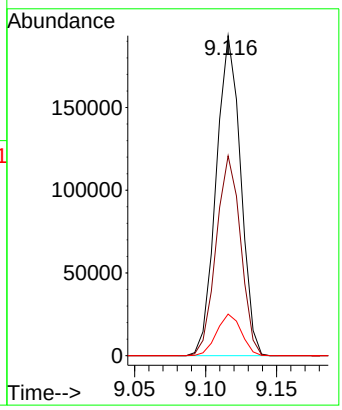


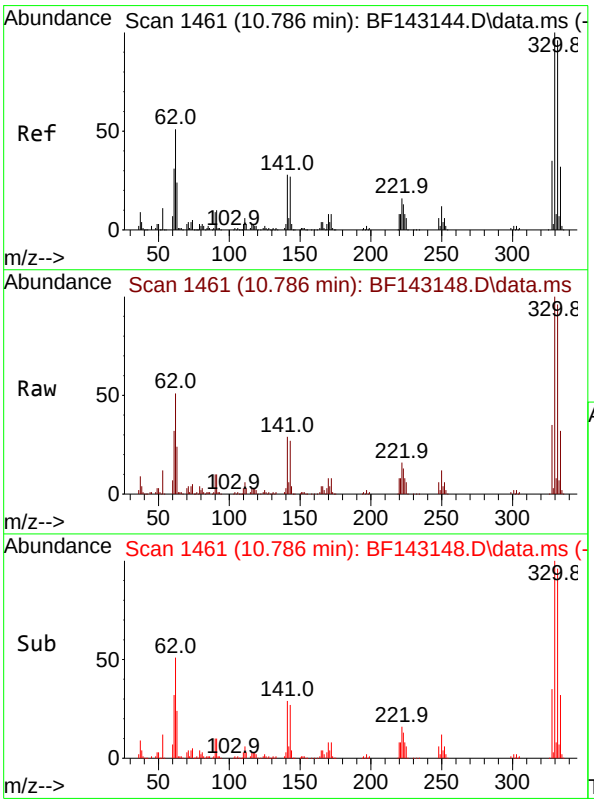
#41
Hexachlorocyclopentadiene
Concen: 42.872 ng
RT: 9.116 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

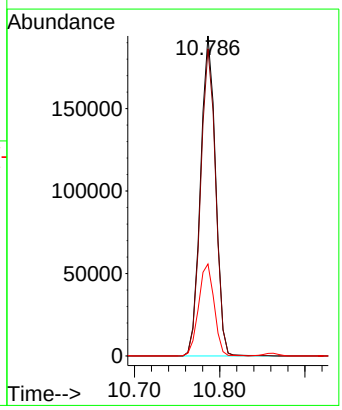


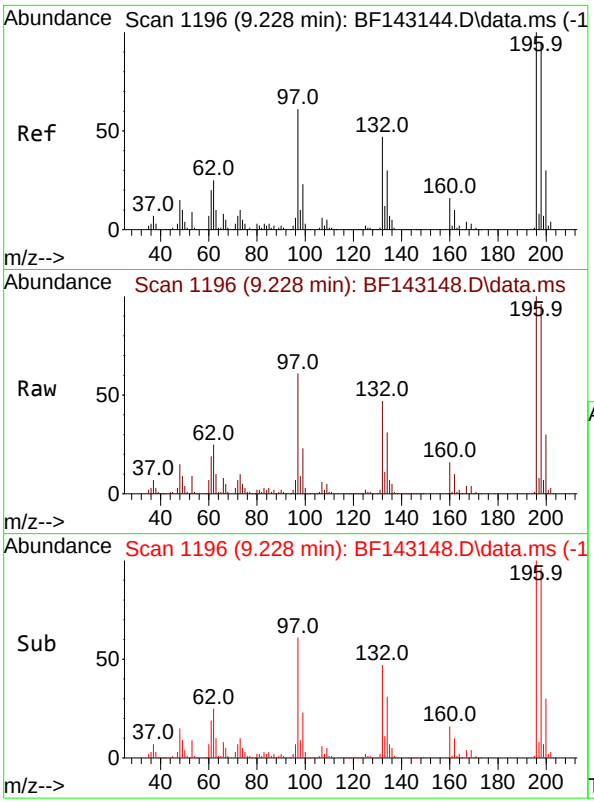


#42
2,4,6-Tribromophenol
Concen: 79.969 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



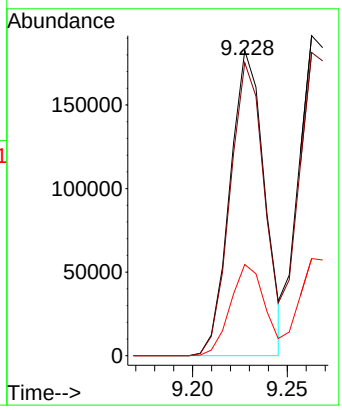


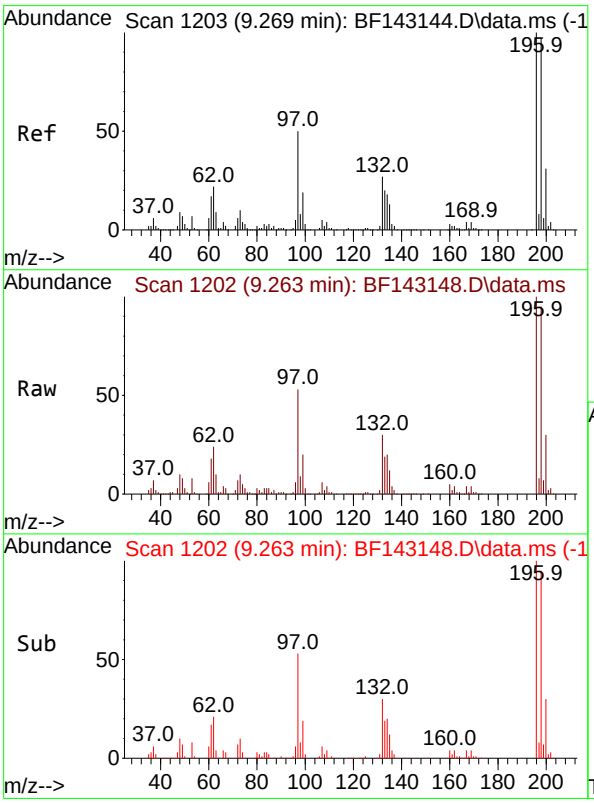
#43
2,4,6-Trichlorophenol
Concen: 40.253 ng
RT: 9.228 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

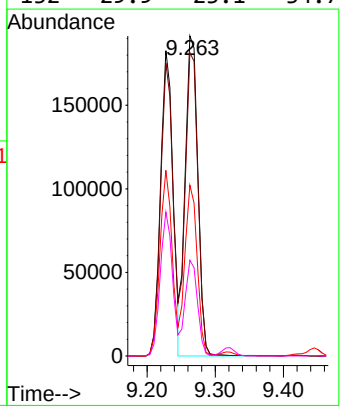


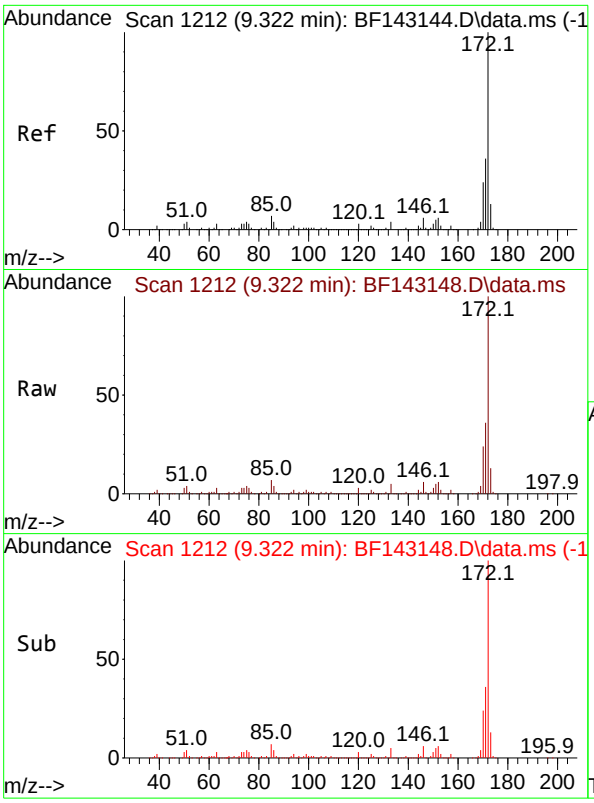


#44
2,4,5-Trichlorophenol
Concen: 42.989 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



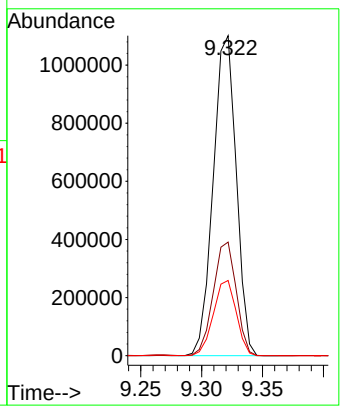


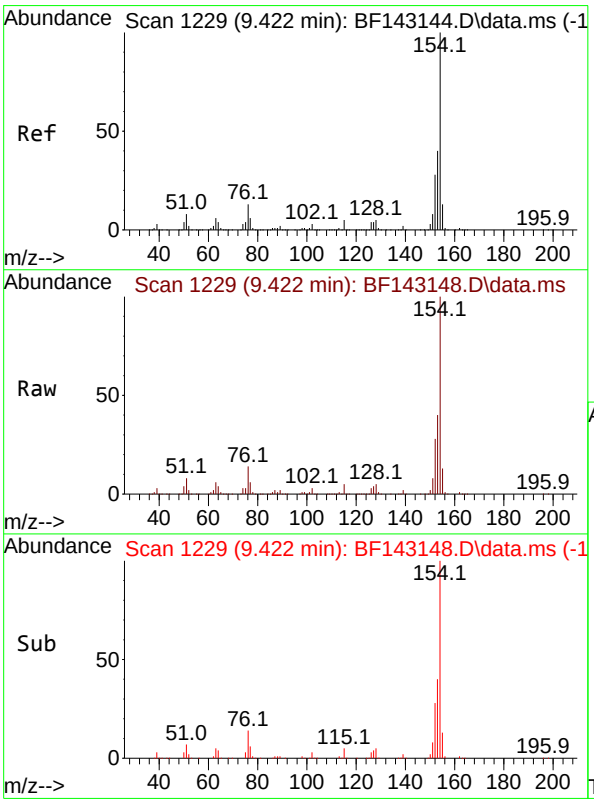
#45
2-Fluorobiphenyl
Concen: 68.992 ng
RT: 9.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

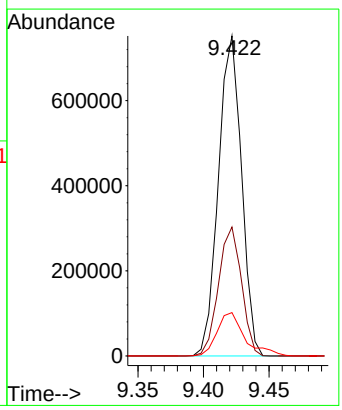


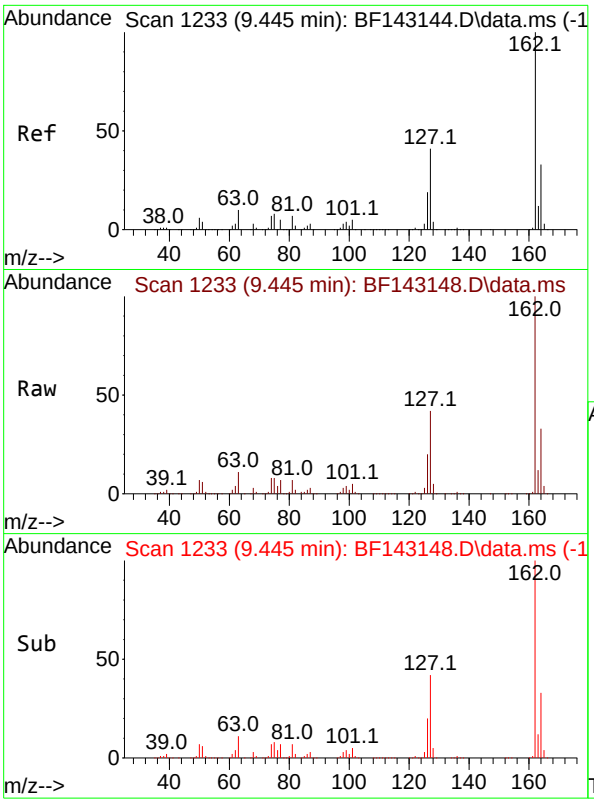


#46
1,1'-Biphenyl
Concen: 41.053 ng
RT: 9.422 min Scan# 1229
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



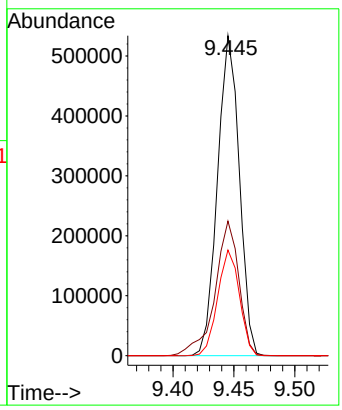


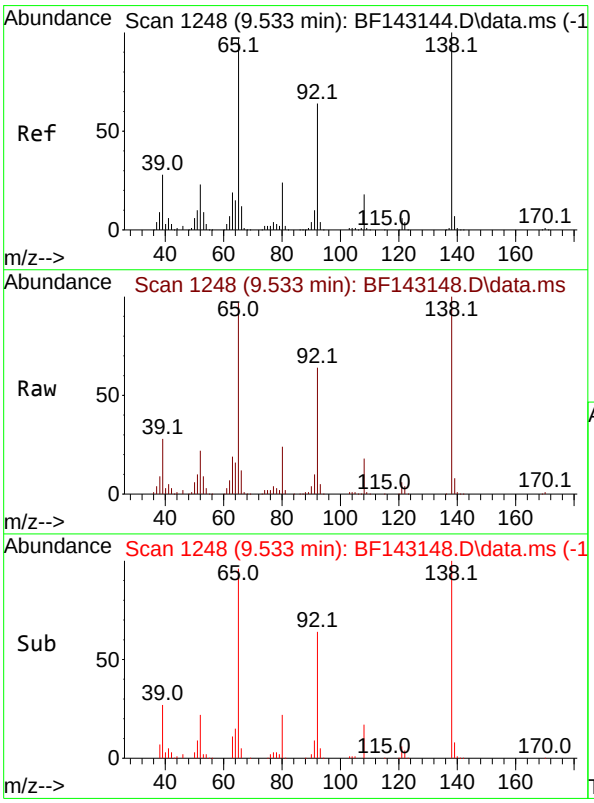
#47
2-Chloronaphthalene
Concen: 40.184 ng
RT: 9.445 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

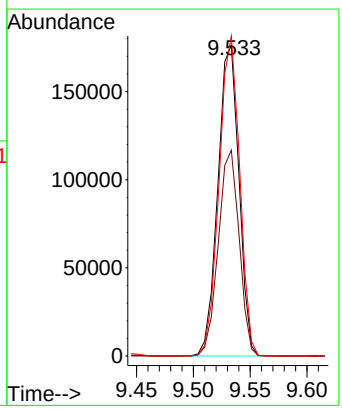


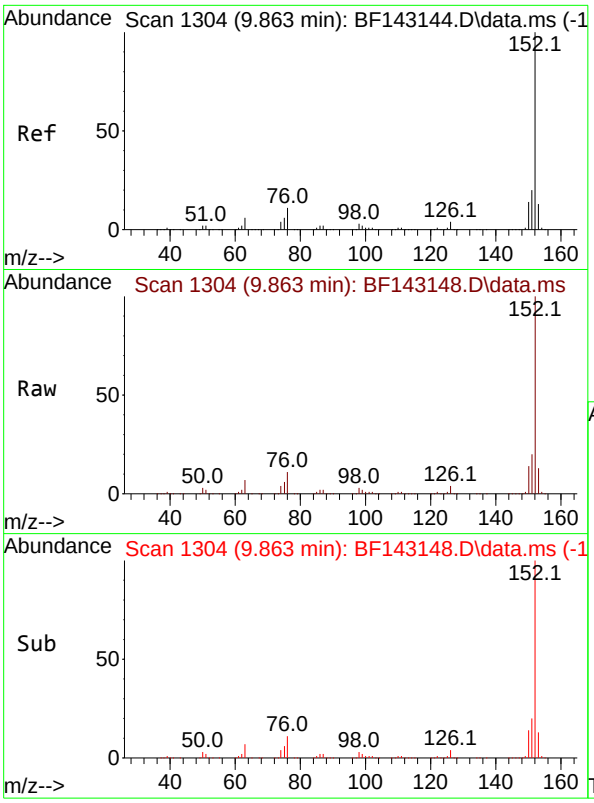


#48
2-Nitroaniline
Concen: 43.723 ng
RT: 9.533 min Scan# 1248
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



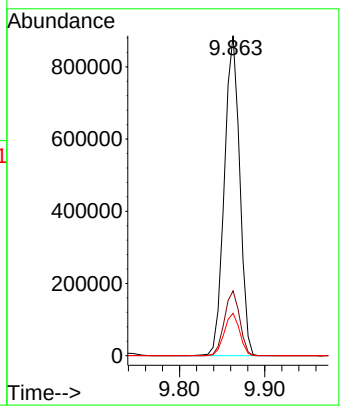


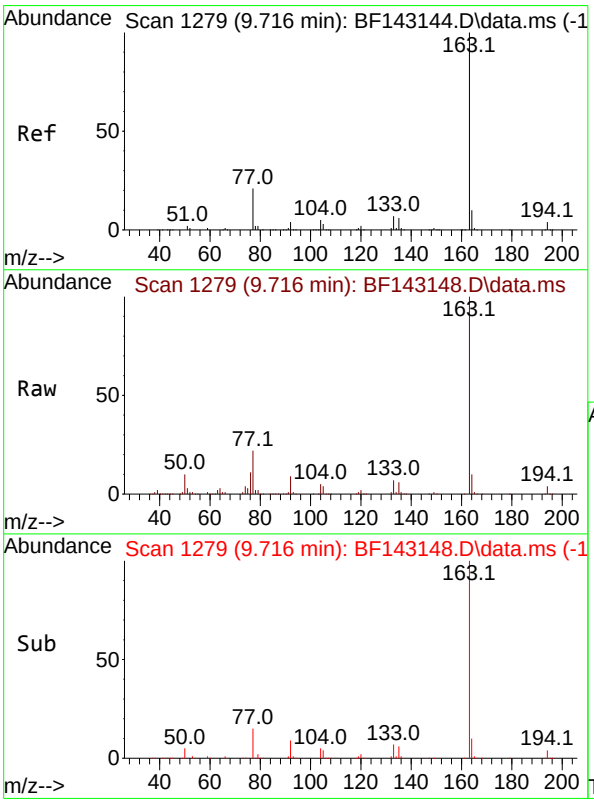
#49
Acenaphthylene
Concen: 40.013 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

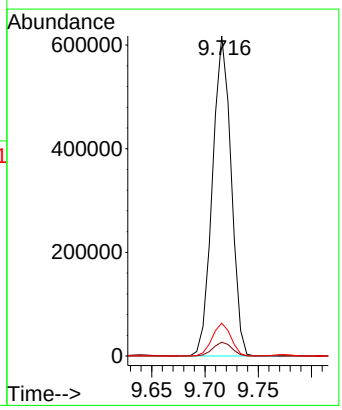


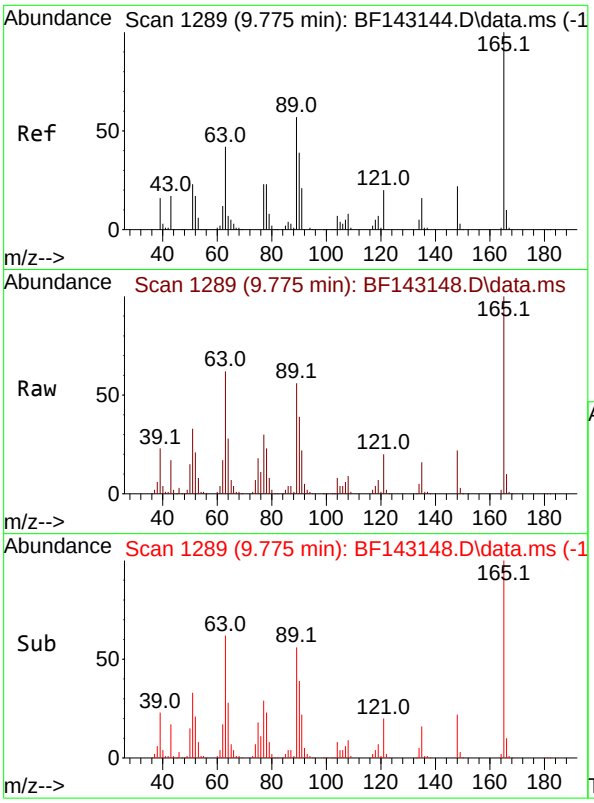


#50
Dimethylphthalate
Concen: 40.218 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



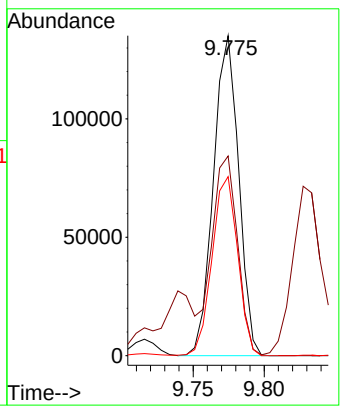


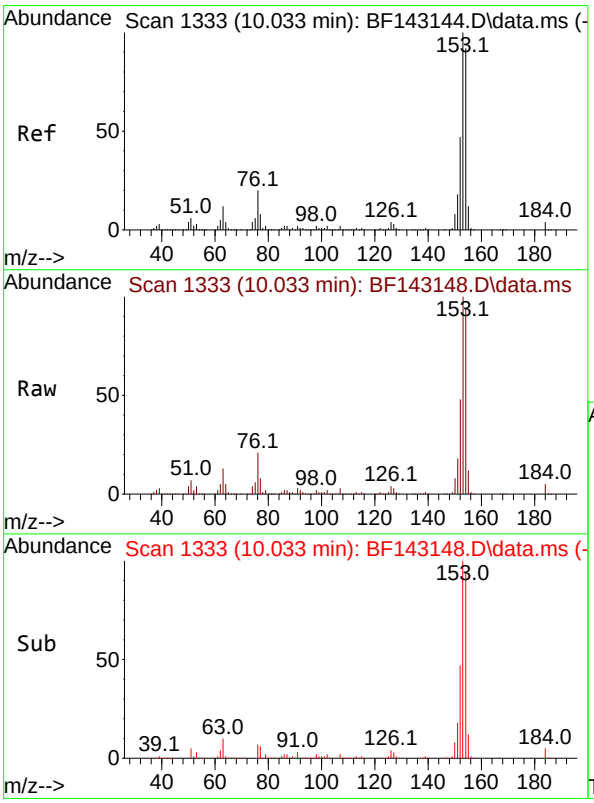
#51
2,6-Dinitrotoluene
Concen: 43.820 ng
RT: 9.775 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

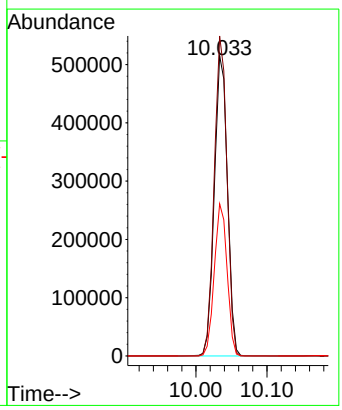


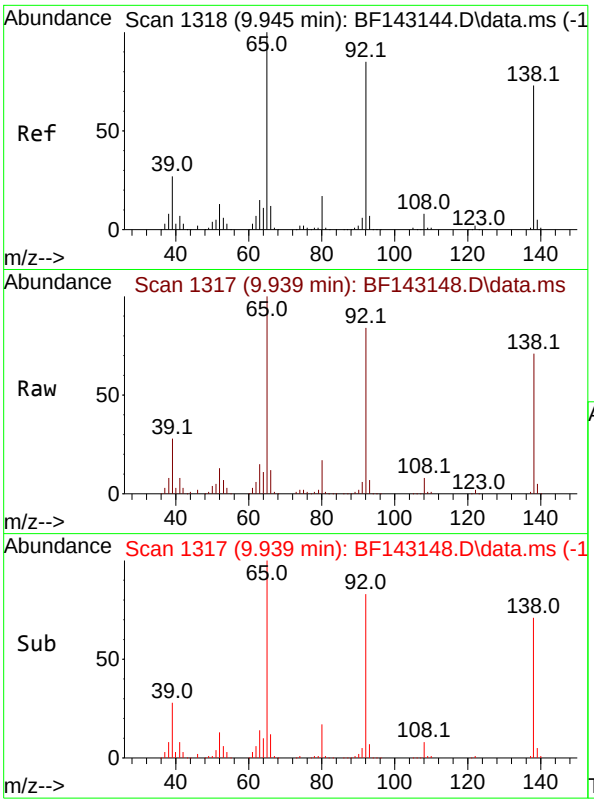


#52
Acenaphthene
Concen: 40.176 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



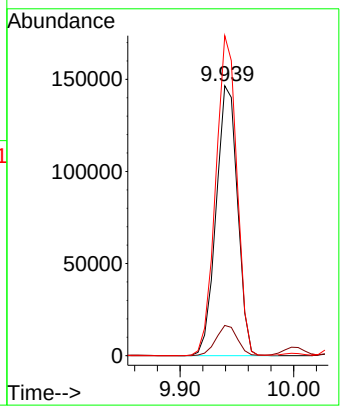


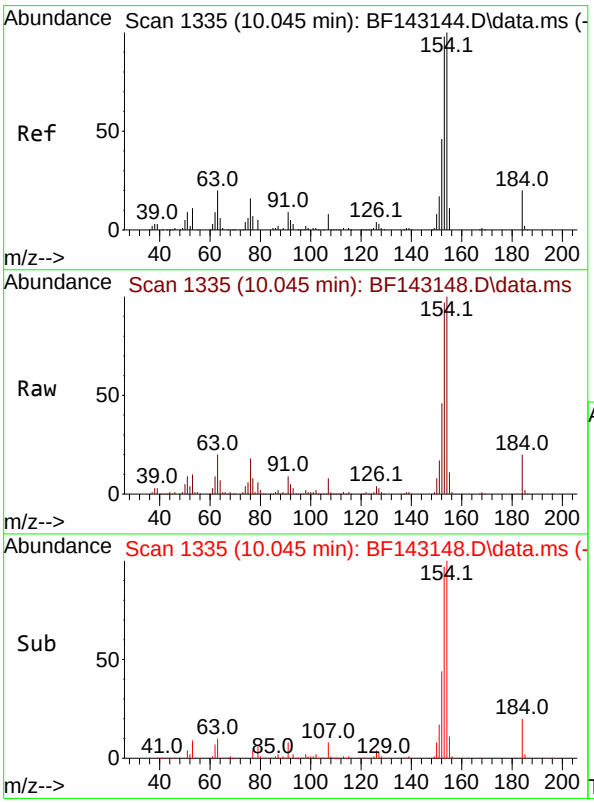
#53
3-Nitroaniline
Concen: 42.985 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

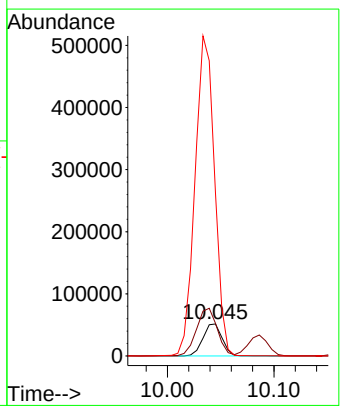


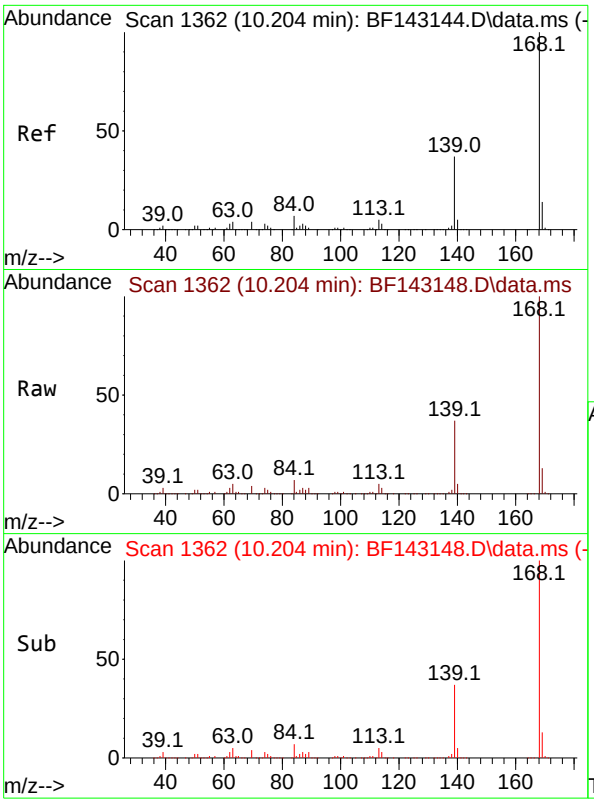


#54
2,4-Dinitrophenol
Concen: 40.998 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



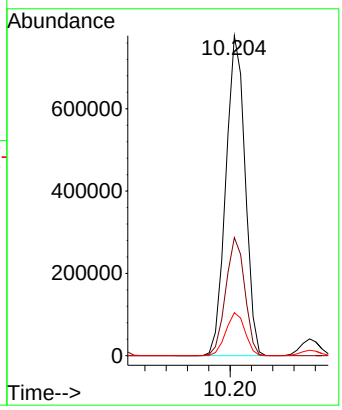


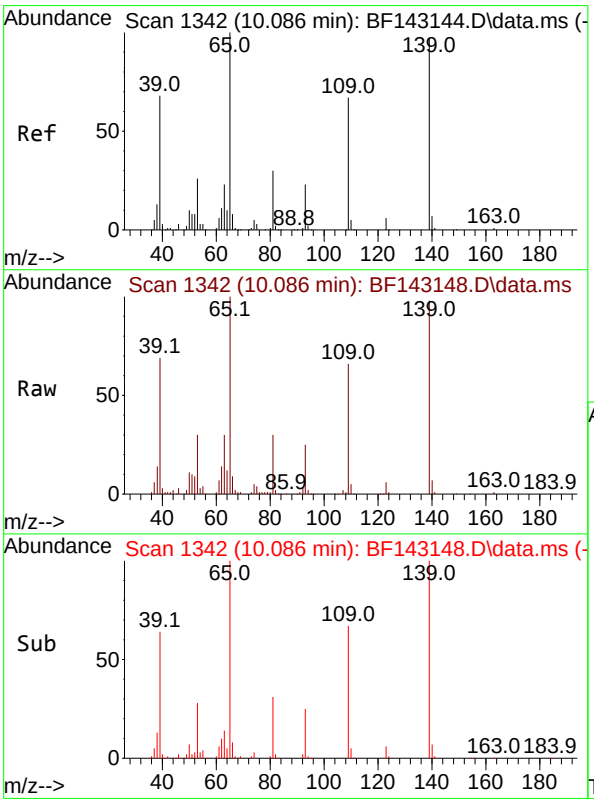
#55
Dibenzofuran
Concen: 39.981 ng
RT: 10.204 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

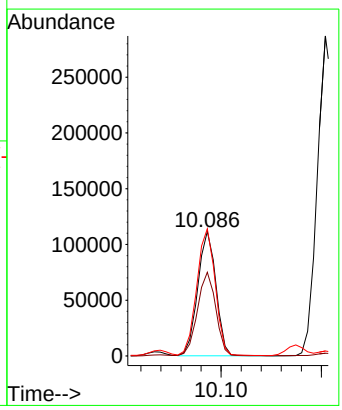


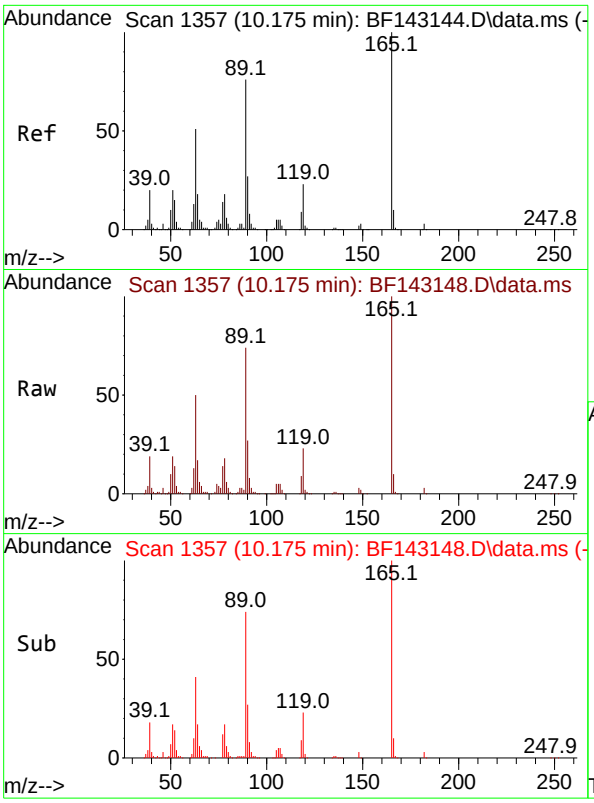


#56
4-Nitrophenol
Concen: 42.344 ng
RT: 10.086 min Scan# 1342
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



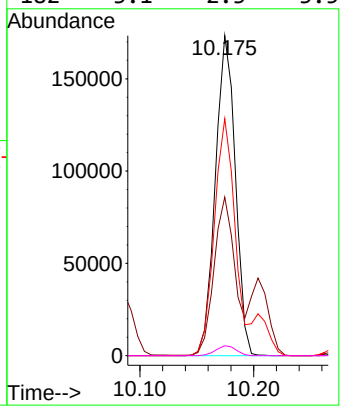


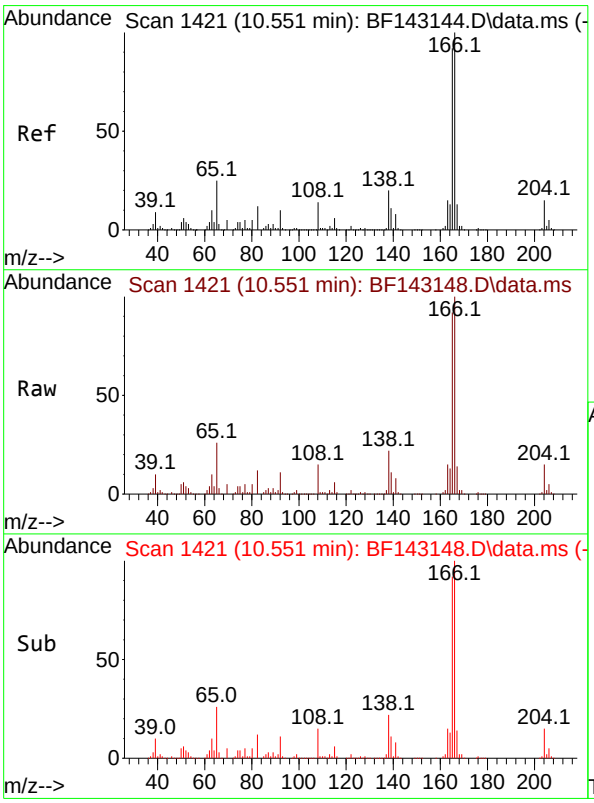
#57
2,4-Dinitrotoluene
Concen: 44.440 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

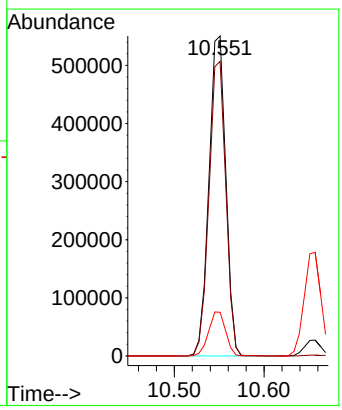


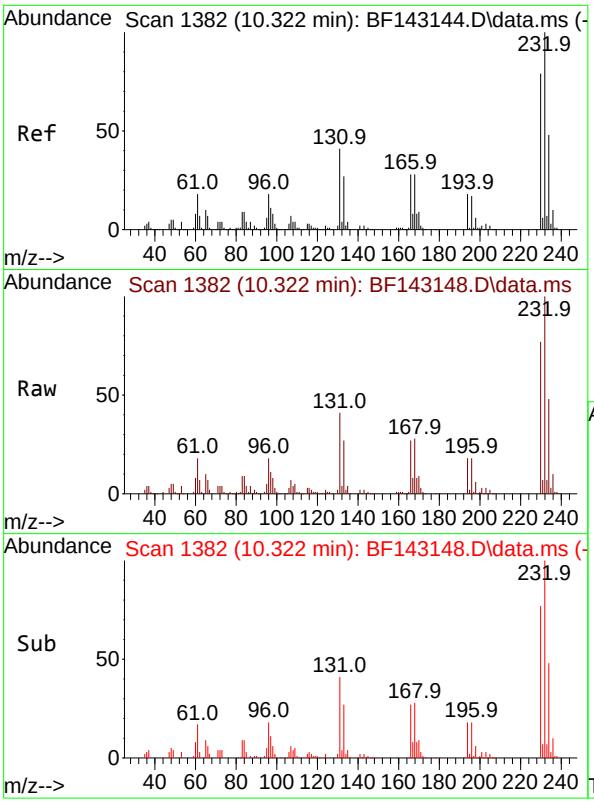


#58
Fluorene
Concen: 39.219 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



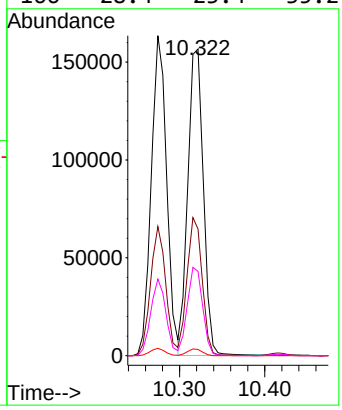


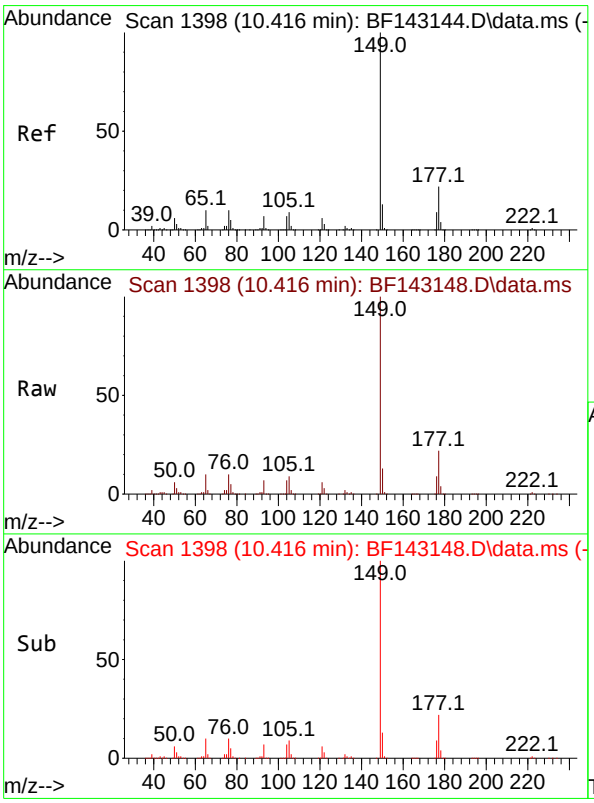
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.743 ng
RT: 10.322 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

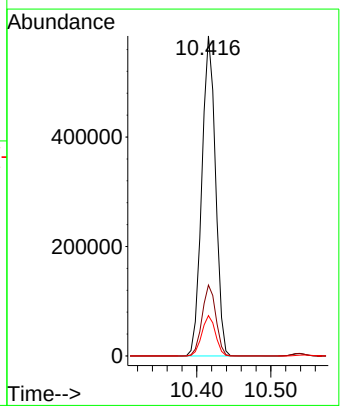


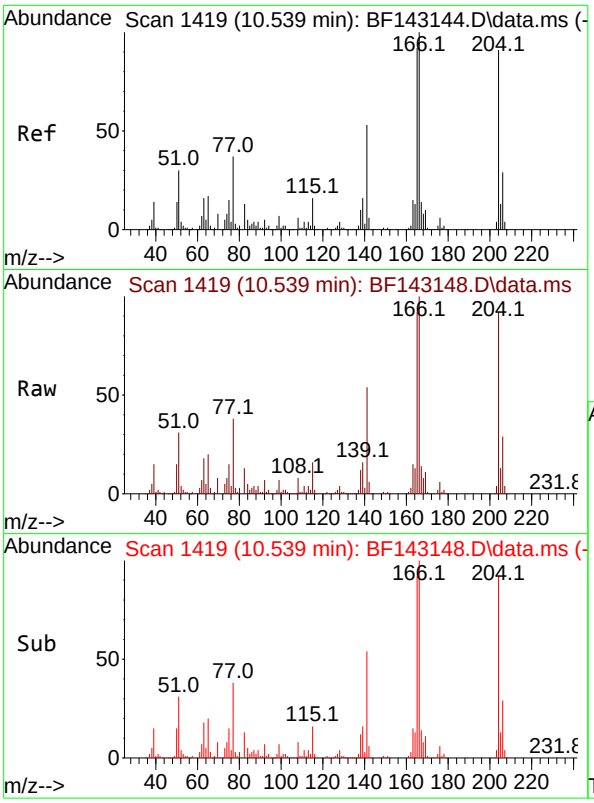


#60
Diethylphthalate
Concen: 40.729 ng
RT: 10.416 min Scan# 1398
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



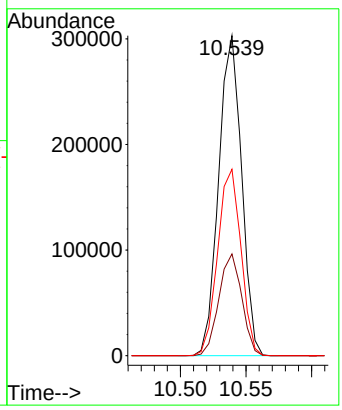


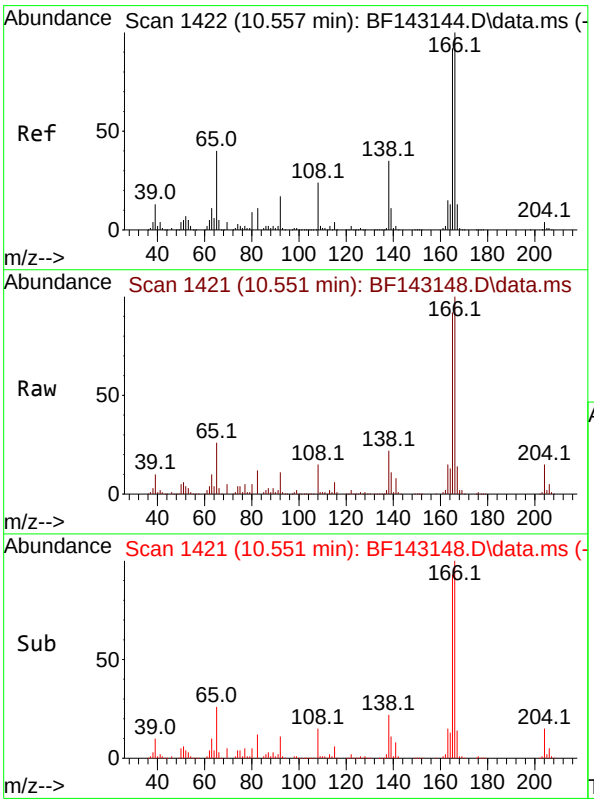
#61
4-Chlorophenyl-phenylether
Concen: 40.377 ng
RT: 10.539 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

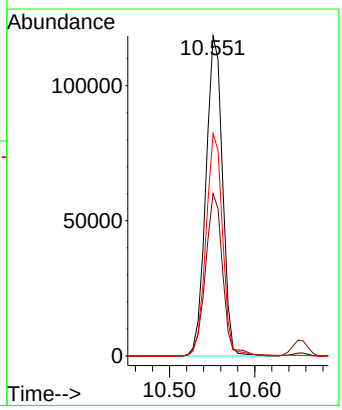


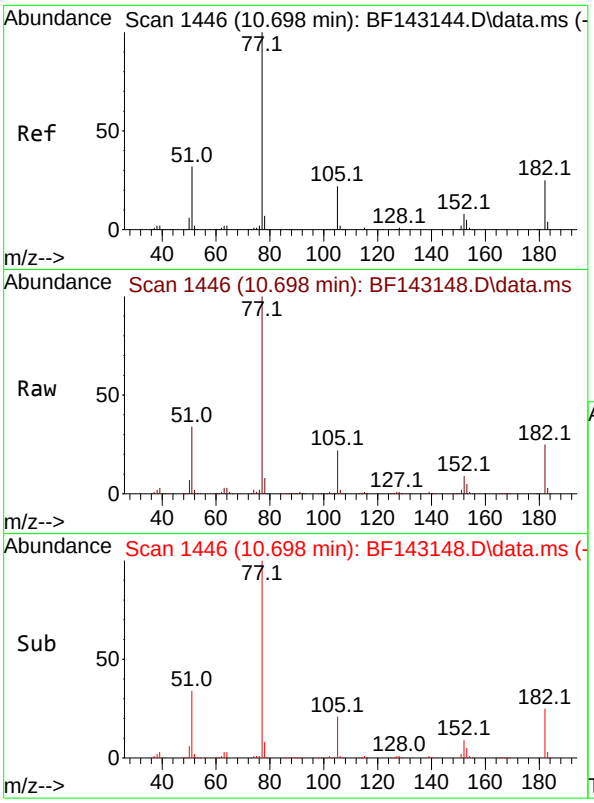


#62
4-Nitroaniline
Concen: 41.953 ng
RT: 10.551 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



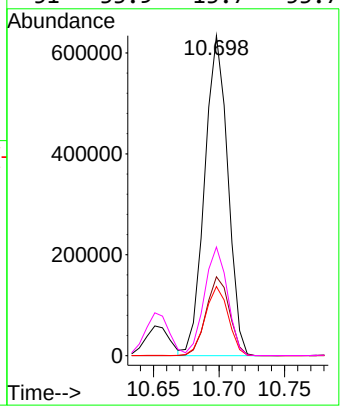


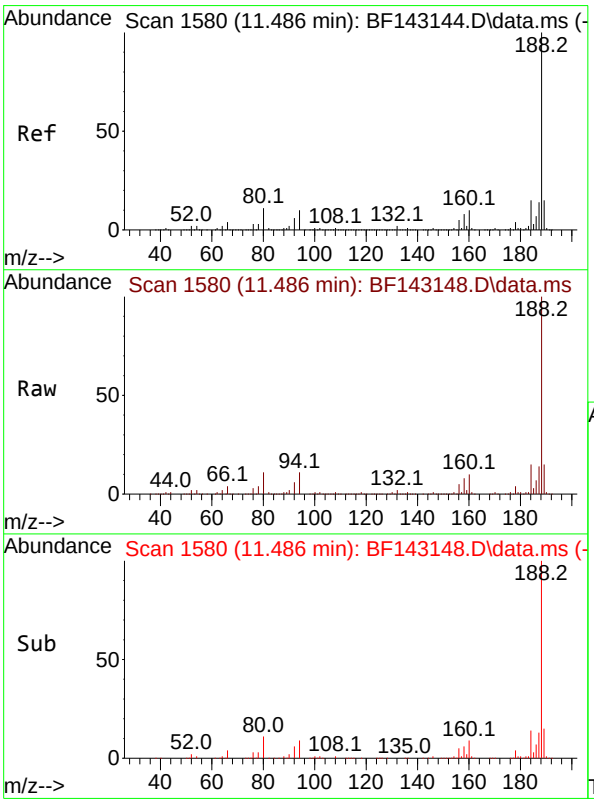
#63
Azobenzene
Concen: 40.414 ng
RT: 10.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

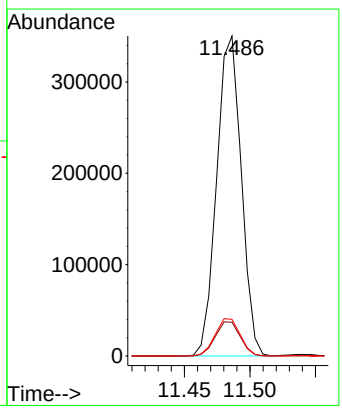


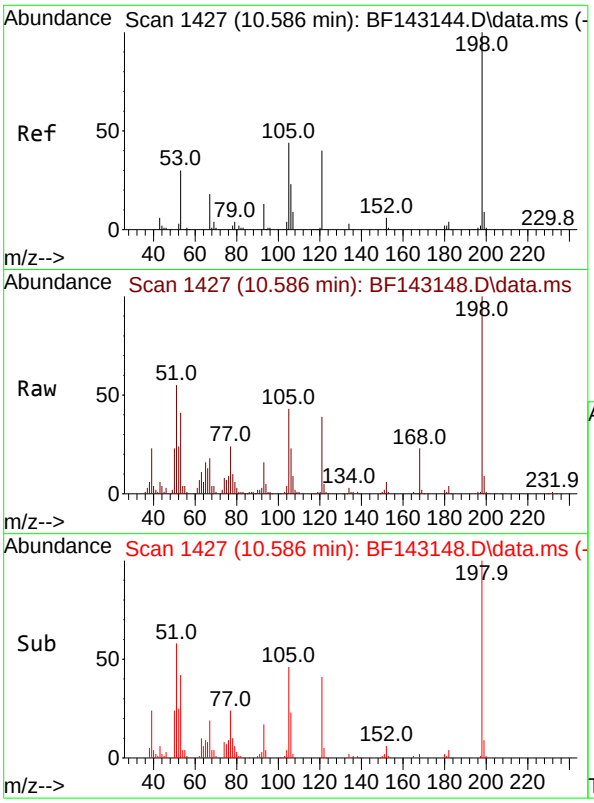


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



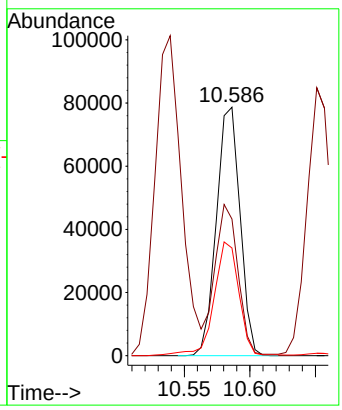


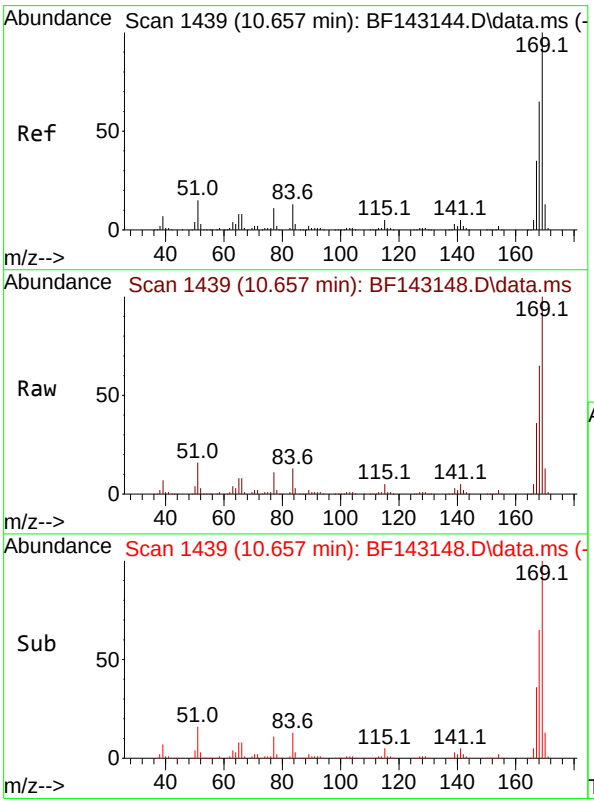
#65
4,6-Dinitro-2-methylphenol
Concen: 41.869 ng
RT: 10.586 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

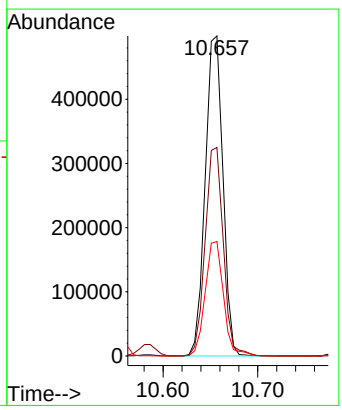


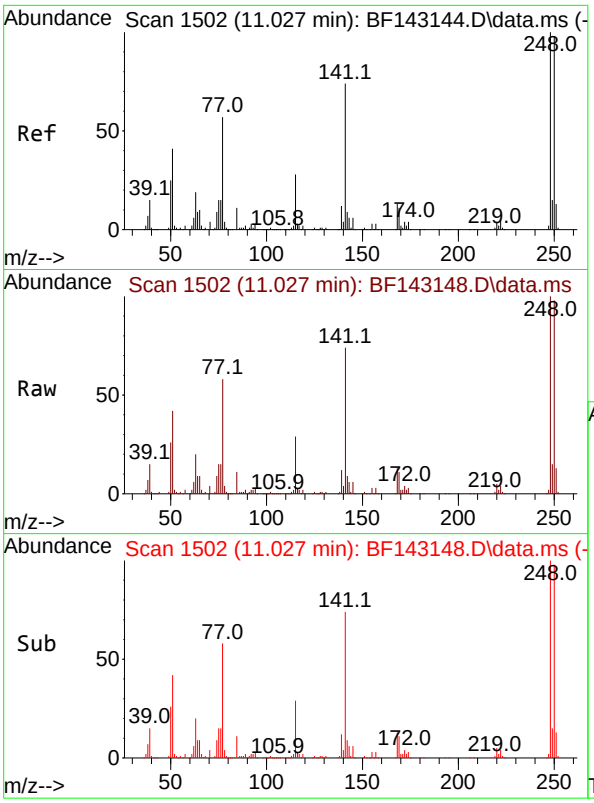


#66
n-Nitrosodiphenylamine
Concen: 40.250 ng
RT: 10.657 min Scan# 1439
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



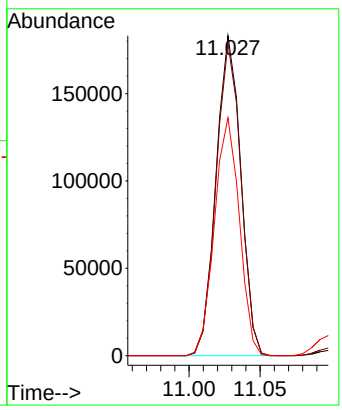


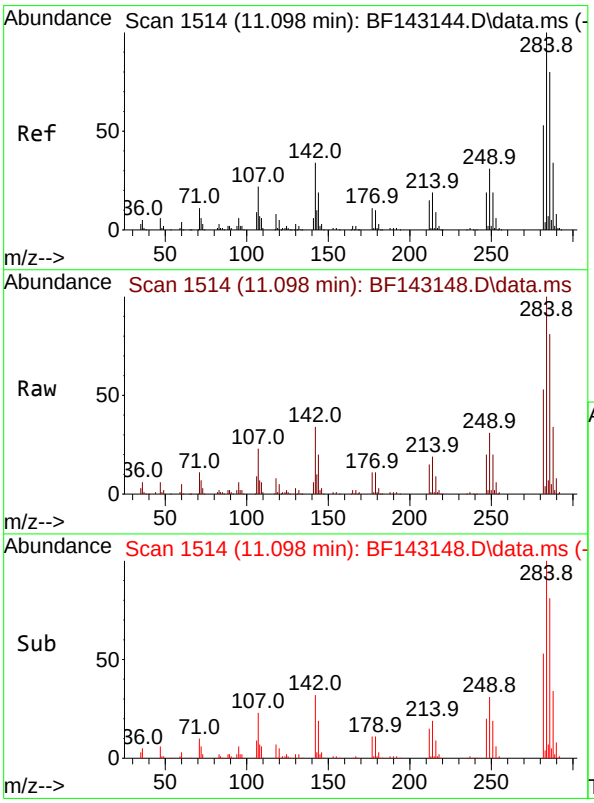
#67
4-Bromophenyl-phenylether
Concen: 40.828 ng
RT: 11.027 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

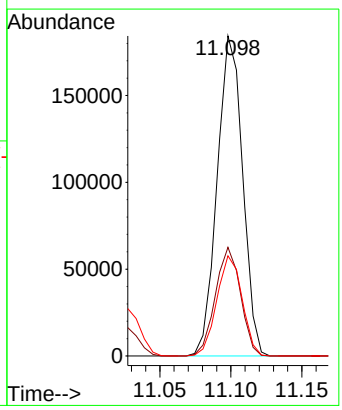


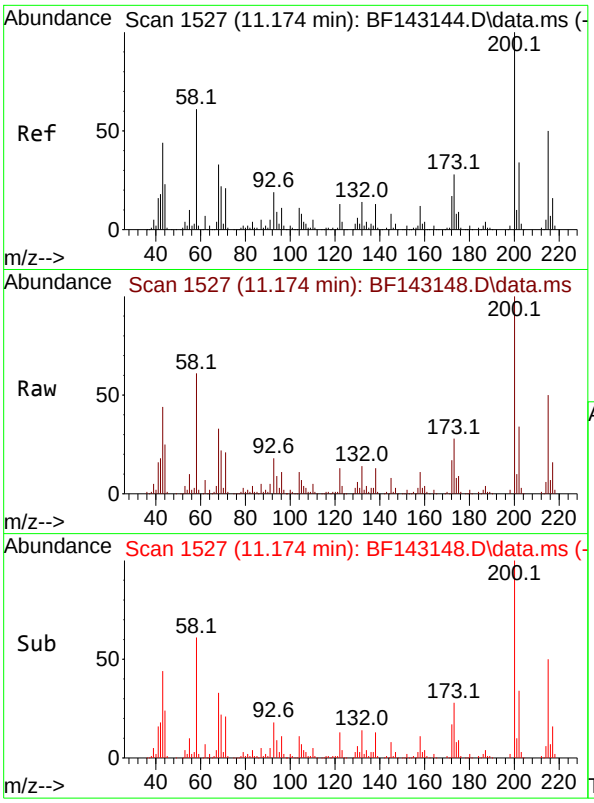


#68
Hexachlorobenzene
Concen: 40.268 ng
RT: 11.098 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



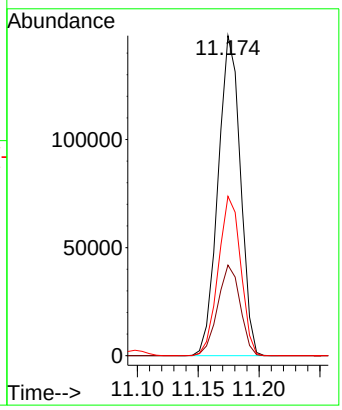


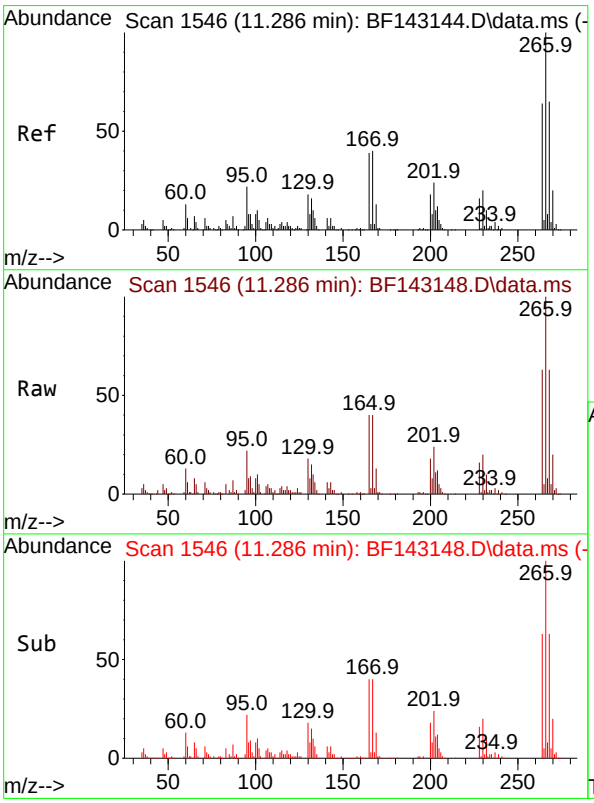
#69
Atrazine
Concen: 42.615 ng
RT: 11.174 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

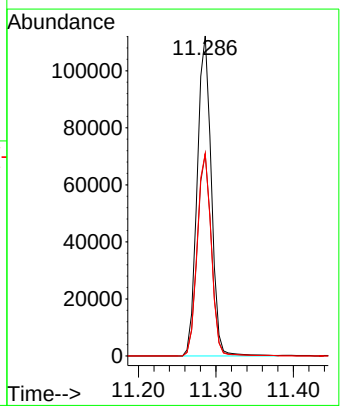


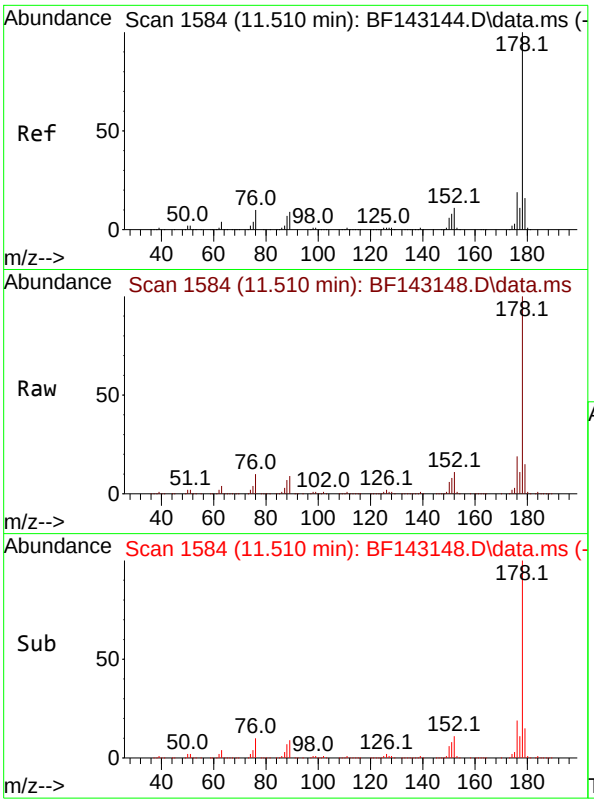


#70
Pentachlorophenol
Concen: 42.292 ng
RT: 11.286 min Scan# 1546
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



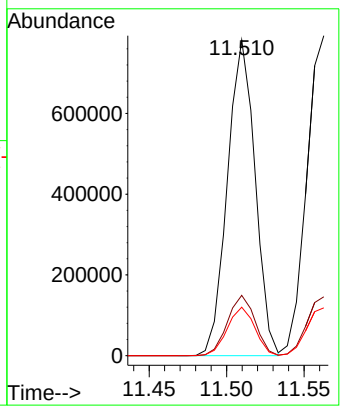


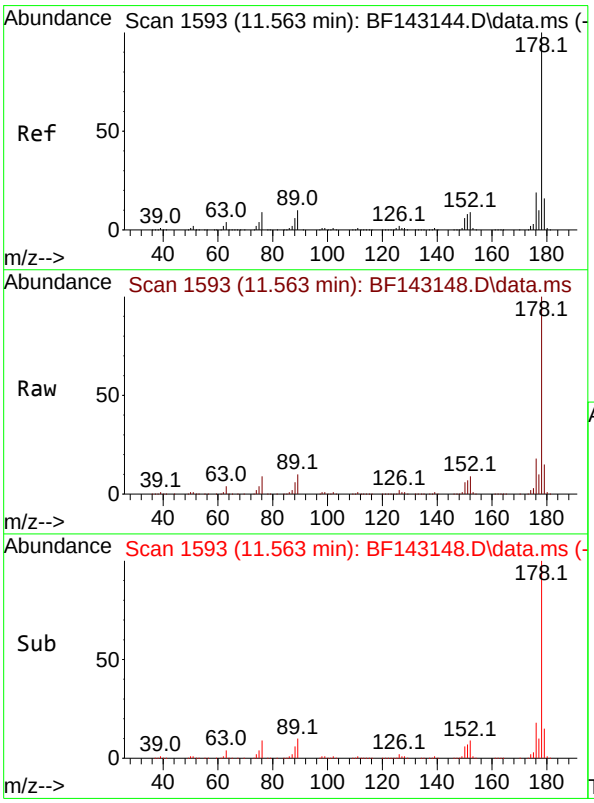
#71
Phenanthrene
Concen: 40.026 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

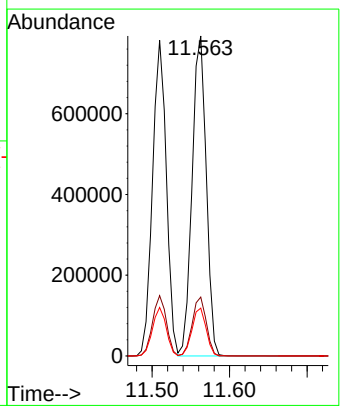


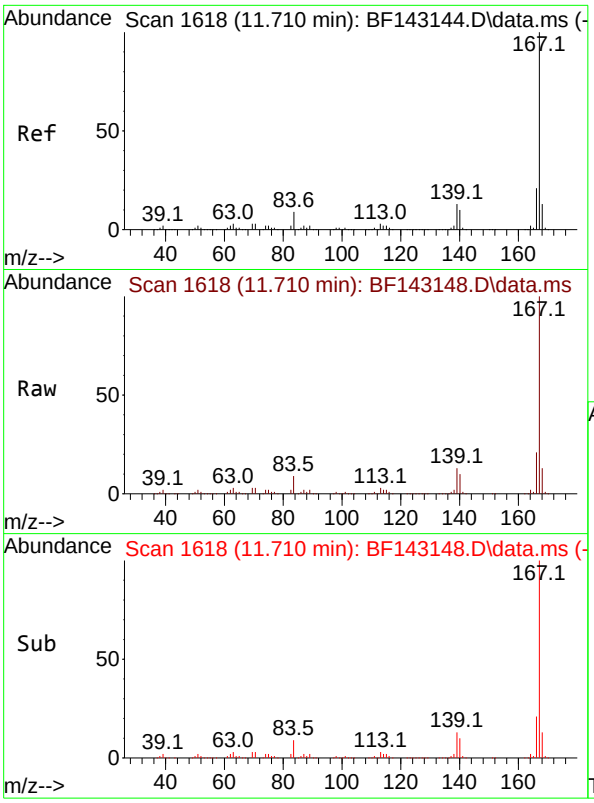


#72
Anthracene
Concen: 40.557 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



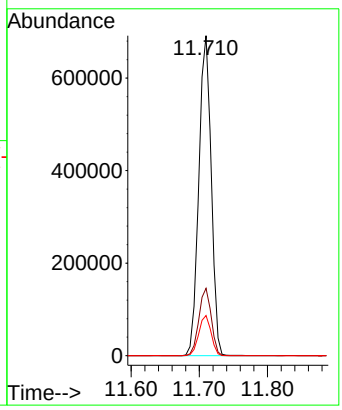


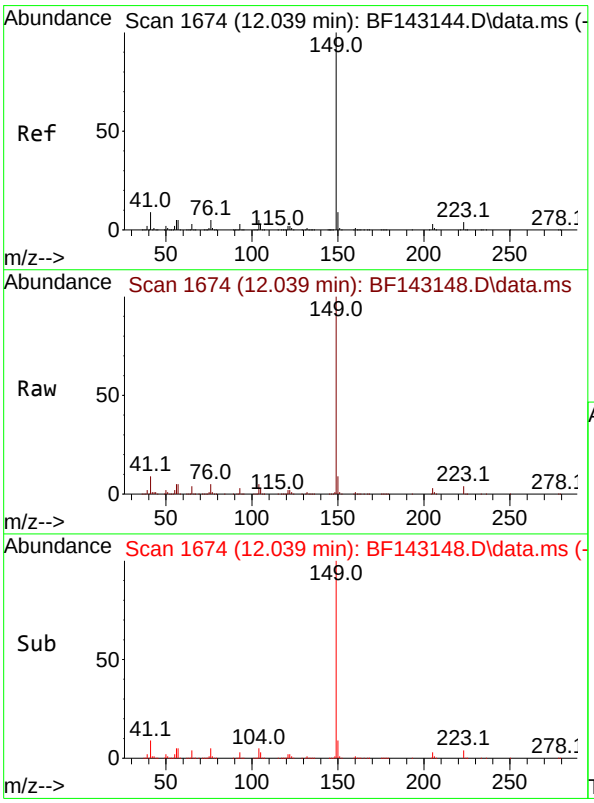
#73
Carbazole
Concen: 40.476 ng
RT: 11.710 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

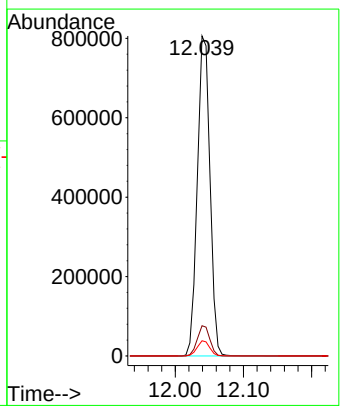


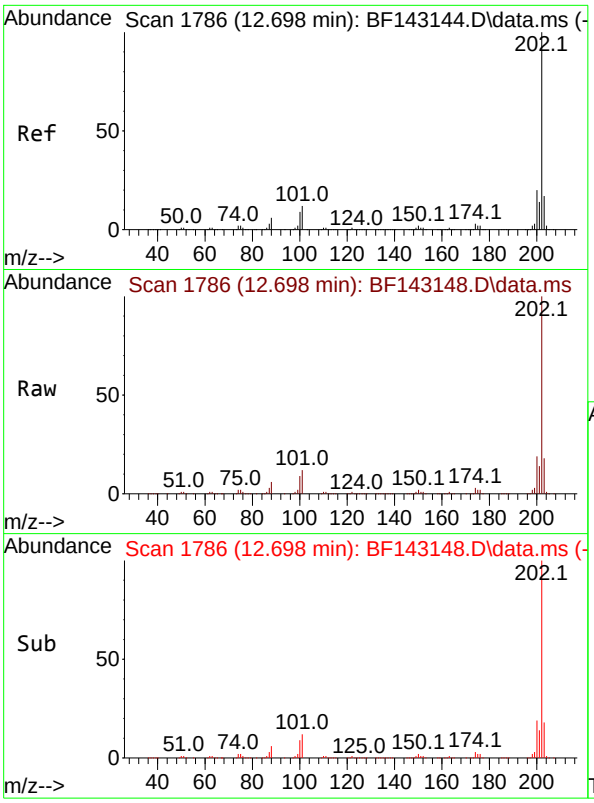


#74
Di-n-butylphthalate
Concen: 42.330 ng
RT: 12.039 min Scan# 1674
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



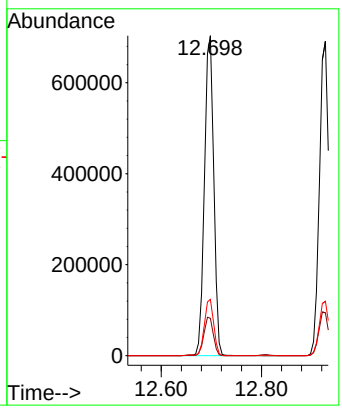


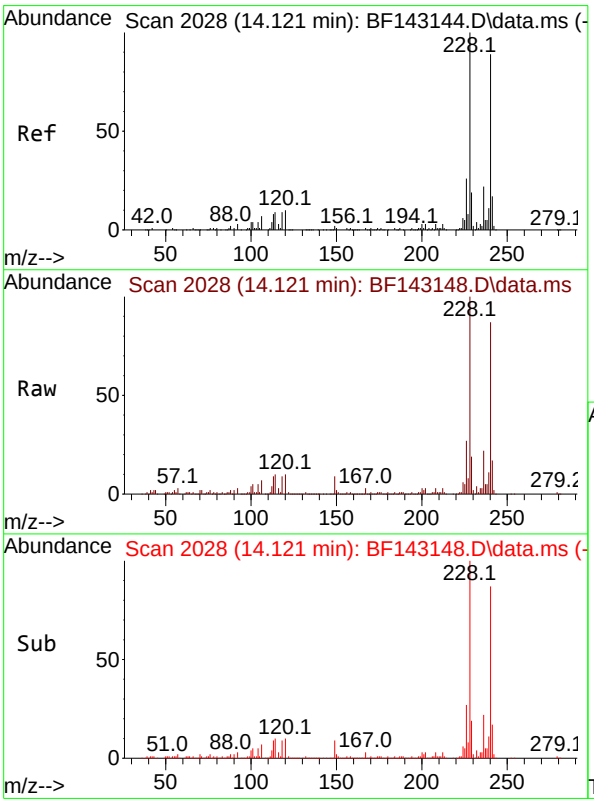
#75
Fluoranthene
Concen: 40.836 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

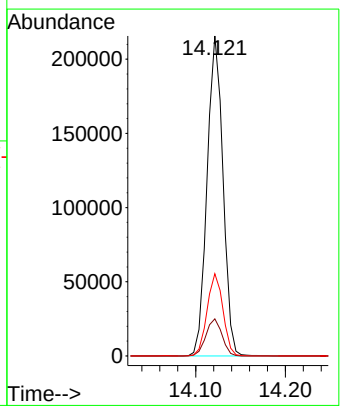


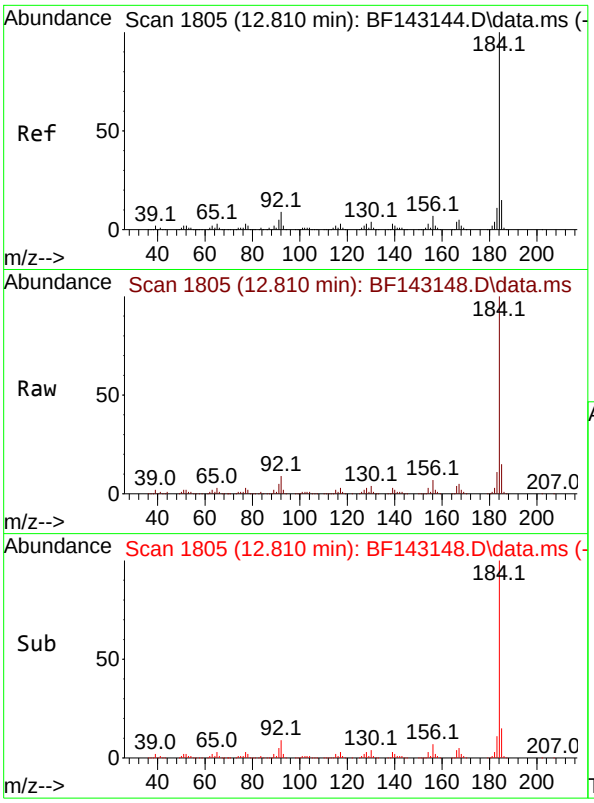


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



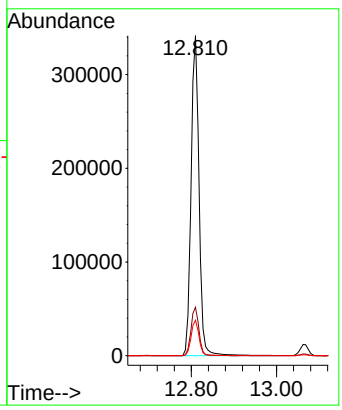


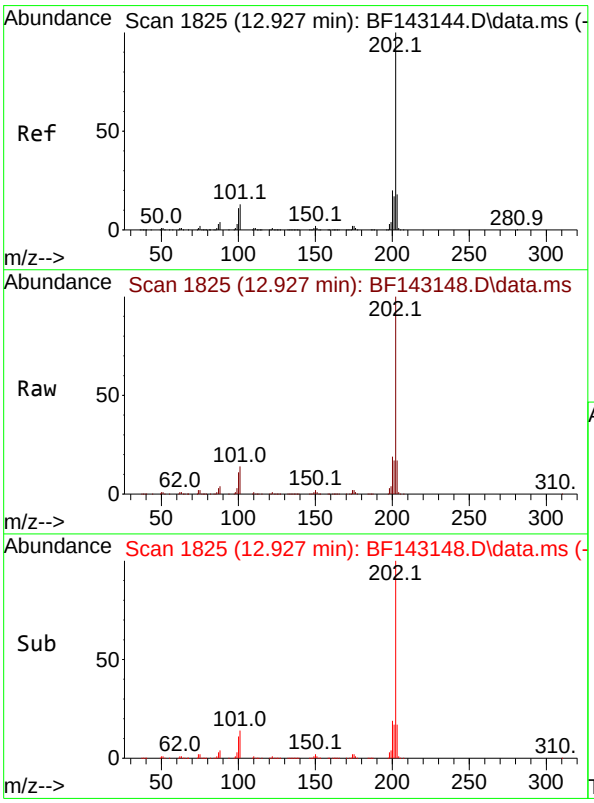
#77
Benzidine
Concen: 43.239 ng
RT: 12.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

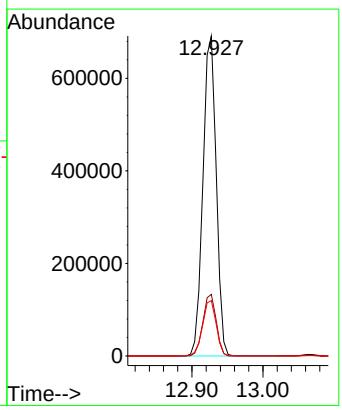


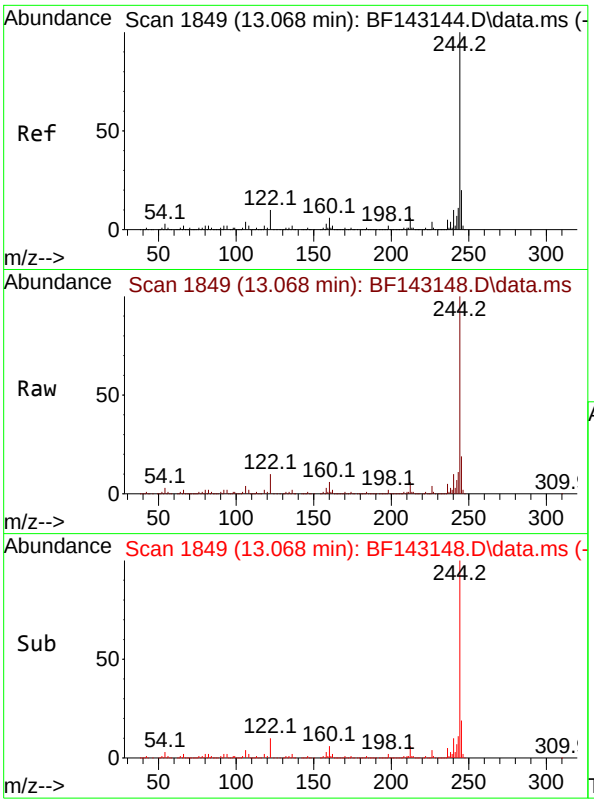


#78
Pyrene
Concen: 39.916 ng
RT: 12.927 min Scan# 1825
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



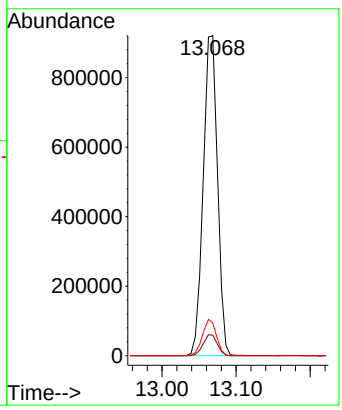


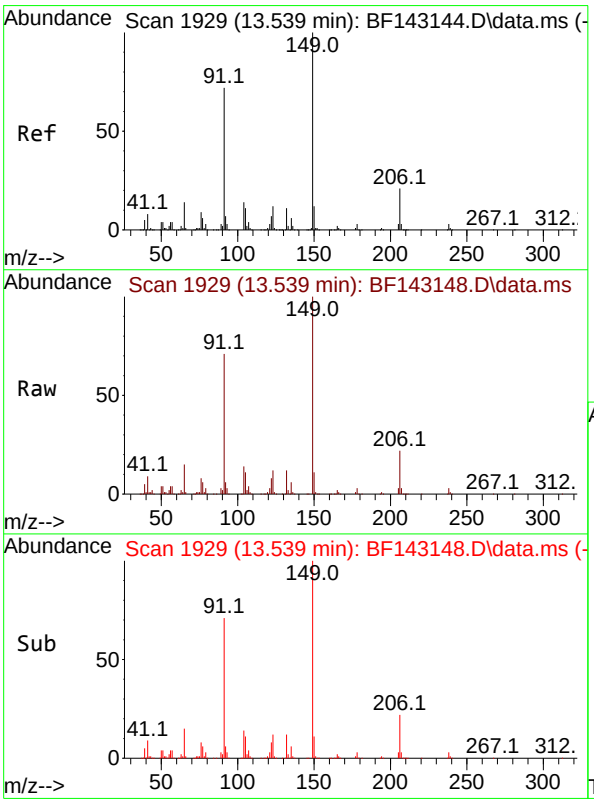
#79
Terphenyl-d14
Concen: 69.333 ng
RT: 13.068 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

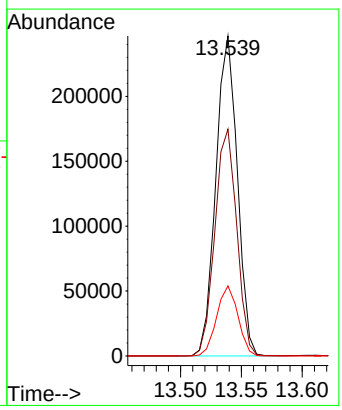


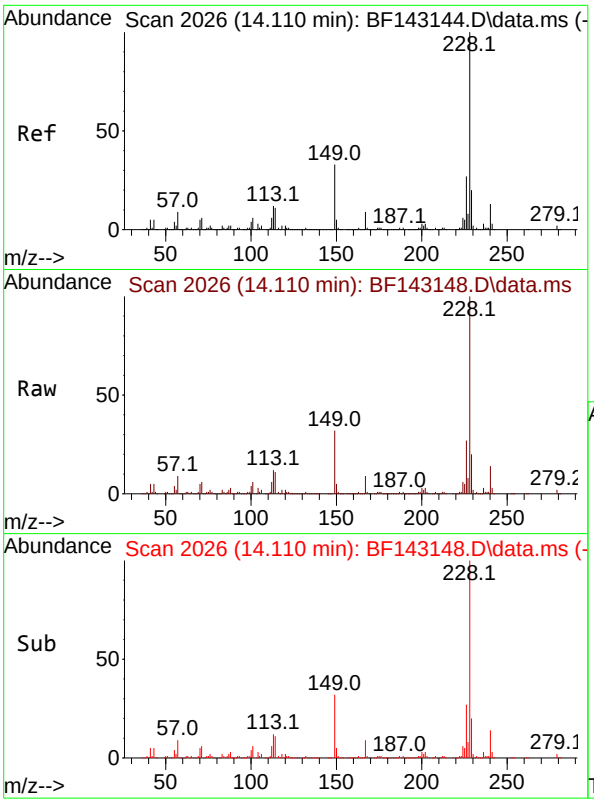


#80
Butylbenzylphthalate
Concen: 43.827 ng
RT: 13.539 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



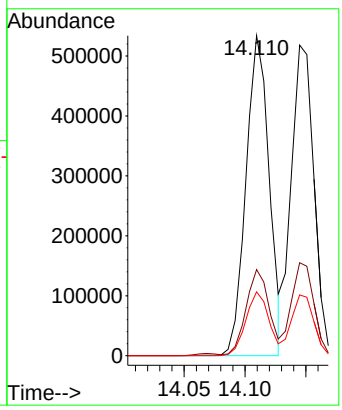


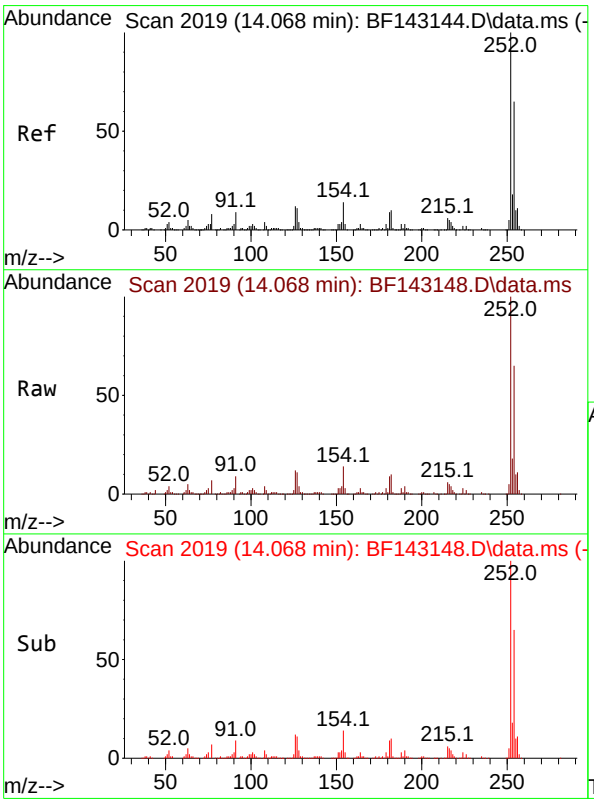
#81
Benzo(a)anthracene
Concen: 39.950 ng
RT: 14.110 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

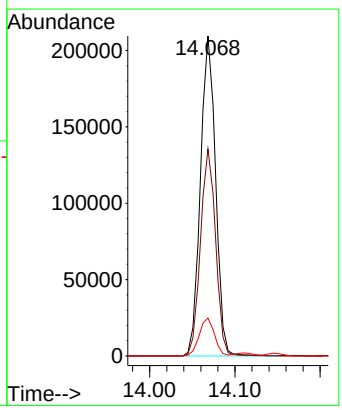


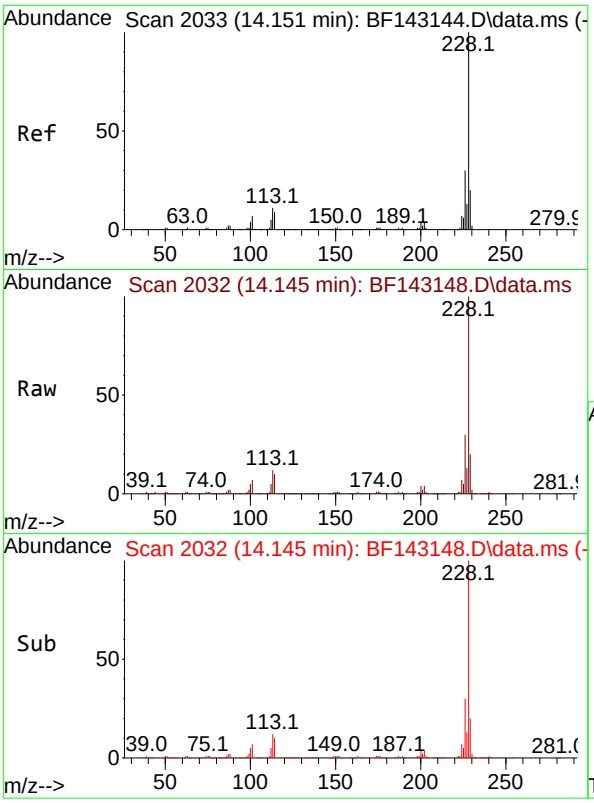


#82
3,3'-Dichlorobenzidine
Concen: 43.772 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



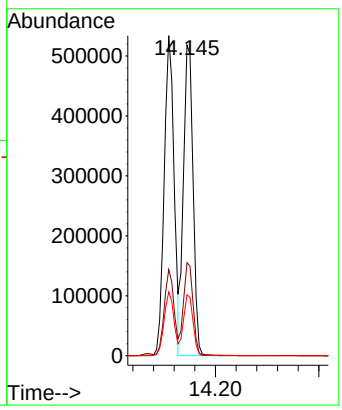


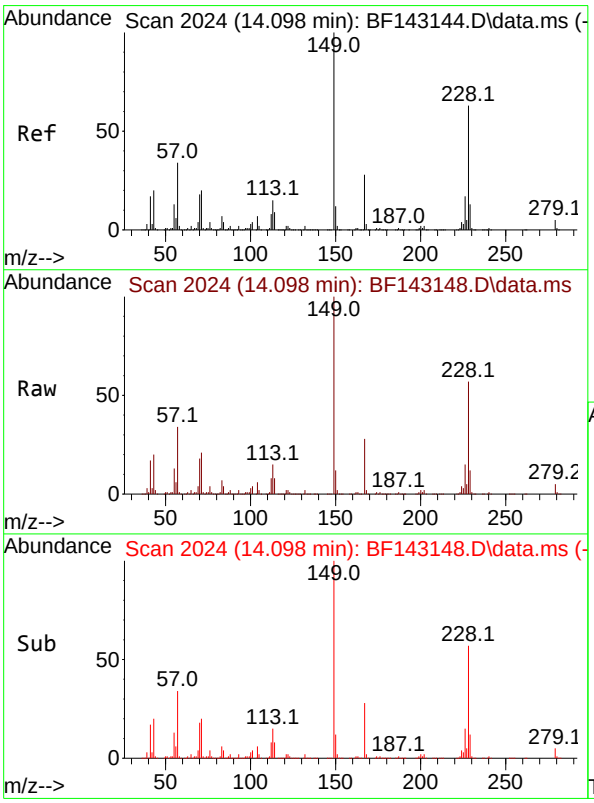
#83
Chrysene
Concen: 42.233 ng
RT: 14.145 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

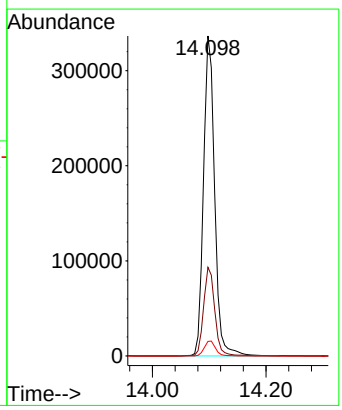


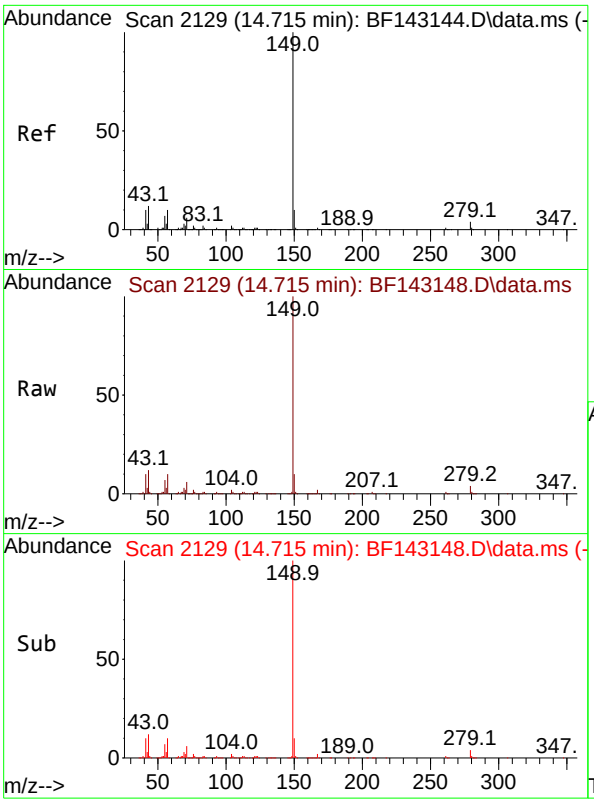


#84
Bis(2-ethylhexyl)phthalate
Concen: 43.578 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



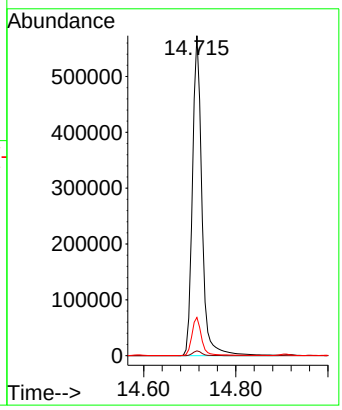


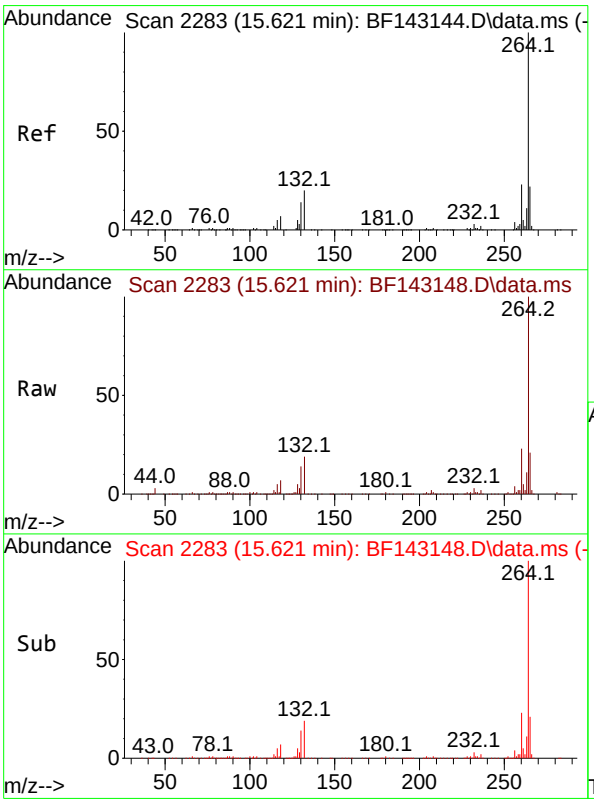
#85
Di-n-octyl phthalate
Concen: 43.077 ng
RT: 14.715 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

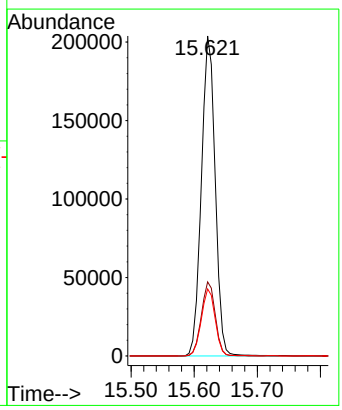


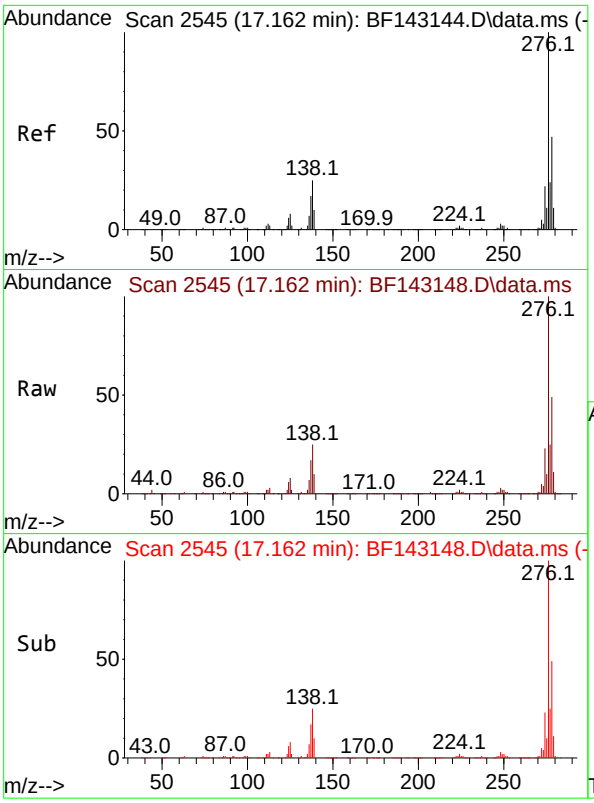


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.621 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



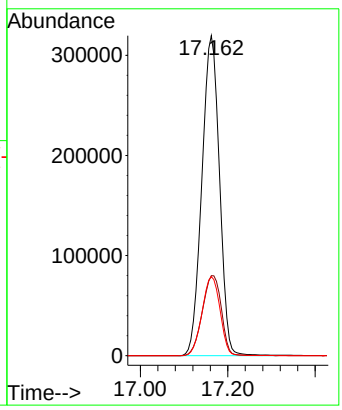


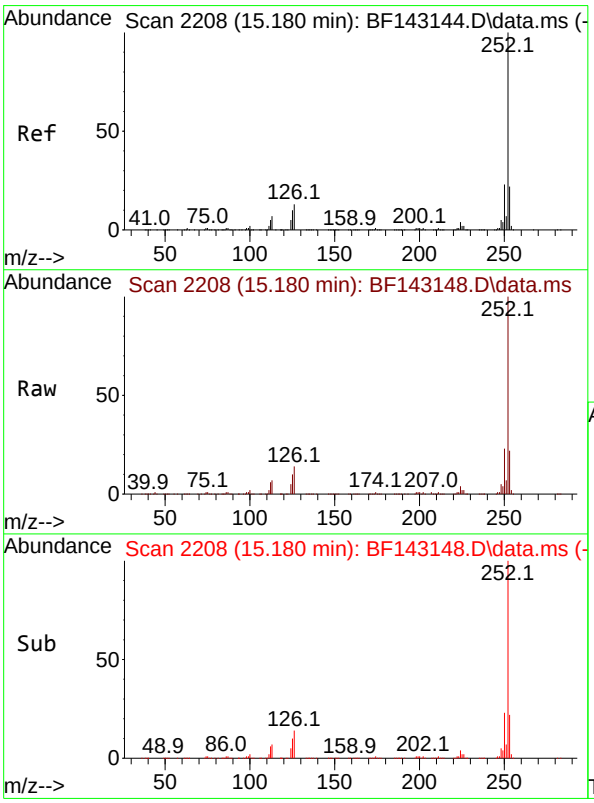
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.983 ng
RT: 17.162 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

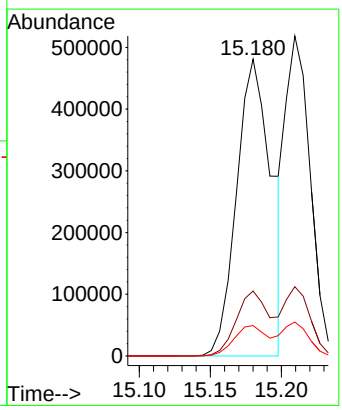


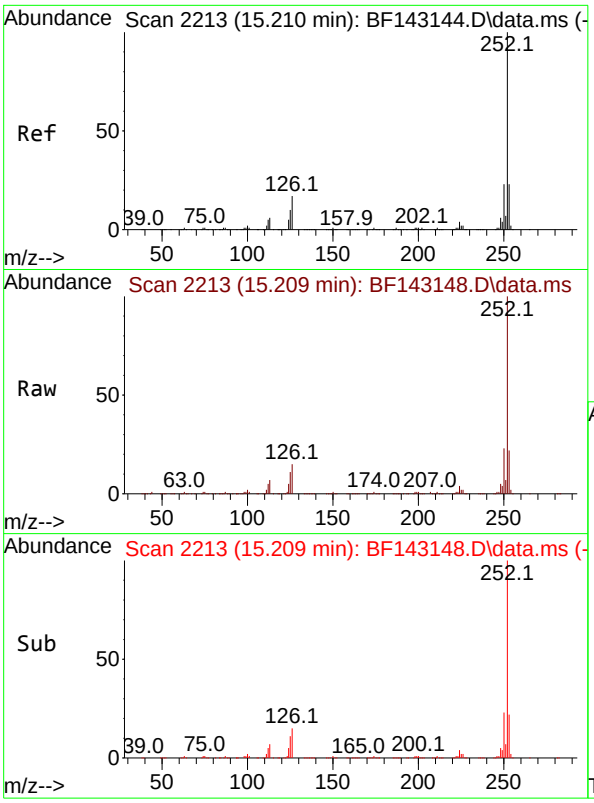


#88
Benzo(b)fluoranthene
Concen: 43.278 ng
RT: 15.180 min Scan# 2208
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



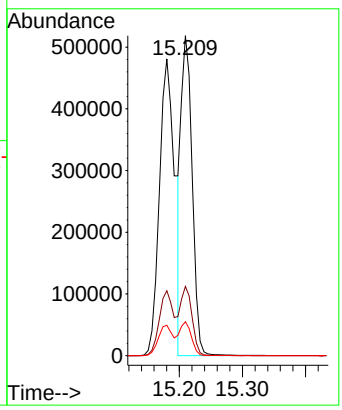


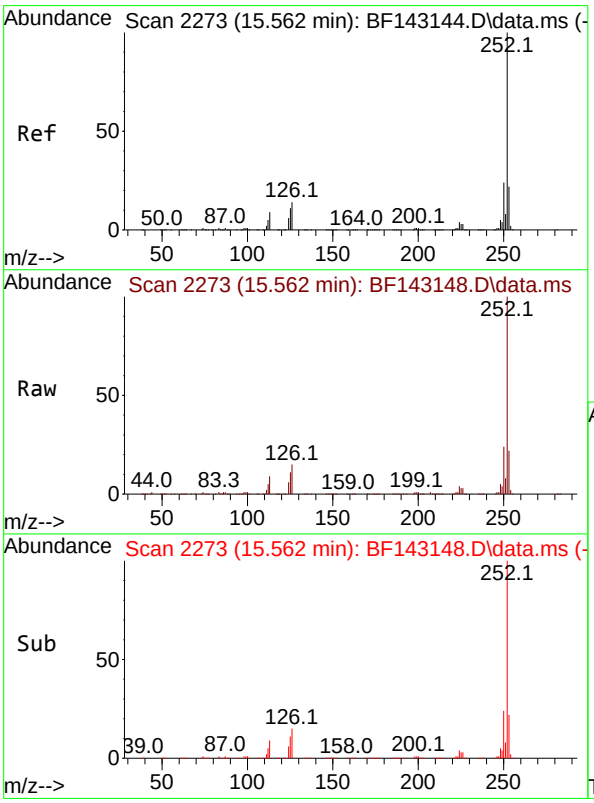
#89
Benzo(k)fluoranthene
Concen: 37.531 ng
RT: 15.209 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

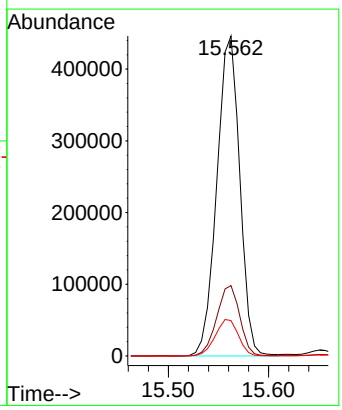


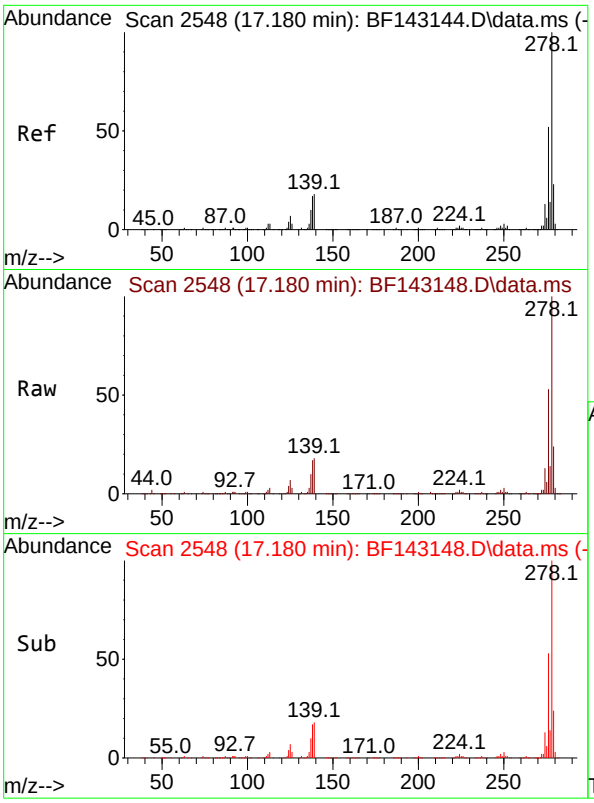


#90
Benzo(a)pyrene
Concen: 40.594 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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



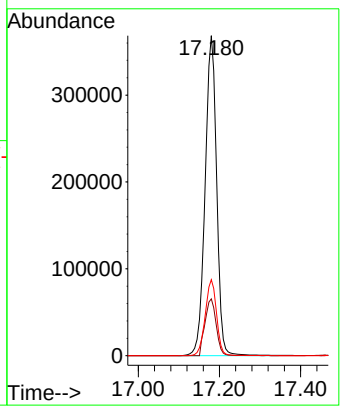


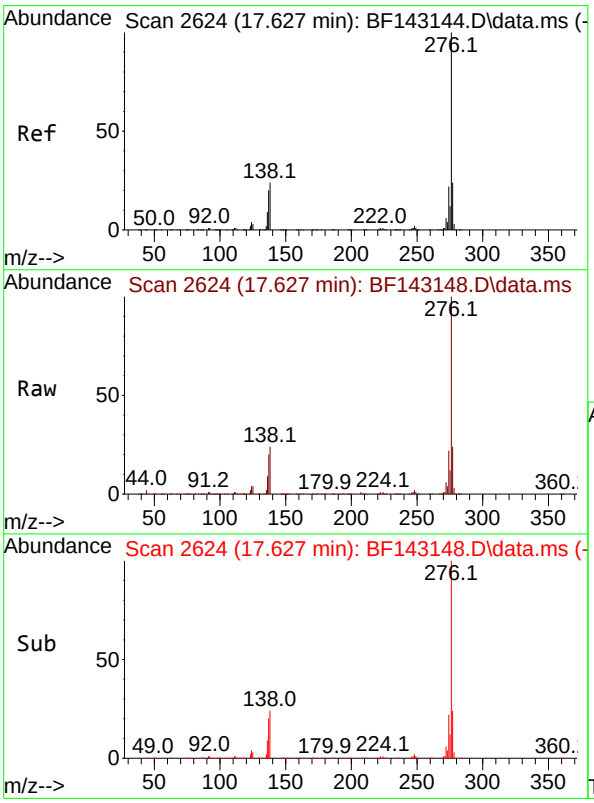
#91
Dibenzo(a,h)anthracene
Concen: 40.710 ng
RT: 17.180 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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

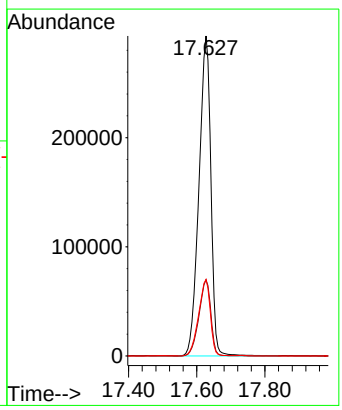




#92
Benzo(g,h,i)perylene
Concen: 41.394 ng
RT: 17.627 min Scan# 2624
Delta R.T. -0.000 min
Lab File: BF143148.D
Acq: 17 Jul 2025 15:06

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\BF080525\
Data File : BF143307.D
Acq On : 05 Aug 2025 10:58
Operator : RC/JU
Sample : PB169095BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Quant Time: Aug 05 11:26:09 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	118629	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	457337	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	232356	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	366236	20.000	ng		0.00
76) Chrysene-d12	14.127	240	223170	20.000	ng		0.00
86) Perylene-d12	15.633	264	254386	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.604	112	890640	118.808	ng		0.02
7) Phenol-d6	6.592	99	1127332	119.475	ng		0.00
23) Nitrobenzene-d5	7.522	82	752737	82.044	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	311231	129.660	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	1349144	79.409	ng		0.00
79) Terphenyl-d14	13.069	244	1204878	80.342	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.893	88	133086	37.519	ng		100
3) Pyridine	3.646	79	357435	38.823	ng		97
4) n-Nitrosodimethylamine	3.593	42	208878	43.942	ng		97
6) Aniline	6.622	93	475405	36.151	ng		94
8) 2-Chlorophenol	6.751	128	354173	45.073	ng		97
9) Benzaldehyde	6.510	77	221233	31.268	ng		100
10) Phenol	6.604	94	466719	45.404	ng		95
11) bis(2-Chloroethyl)ether	6.692	93	354481	45.039	ng		100
12) 1,3-Dichlorobenzene	6.904	146	374570	43.881	ng		98
13) 1,4-Dichlorobenzene	6.981	146	373783	43.482	ng		99
14) 1,2-Dichlorobenzene	7.134	146	358774	43.881	ng		99
15) Benzyl Alcohol	7.098	79	318906	44.264	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	657171	45.012	ng		98
17) 2-Methylphenol	7.210	107	292413	44.258	ng		99
18) Hexachloroethane	7.475	117	134155	45.080	ng		97
19) n-Nitroso-di-n-propyla...	7.369	70	261896	43.263	ng		100
20) 3+4-Methylphenols	7.363	107	346128	43.179	ng	#	77
22) Acetophenone	7.363	105	473988	43.776	ng		94
24) Nitrobenzene	7.539	77	387205	45.267	ng		99
25) Isophorone	7.781	82	725302	44.781	ng		98
26) 2-Nitrophenol	7.857	139	189149	50.951	ng		98
27) 2,4-Dimethylphenol	7.892	122	330601	43.689	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	442833	45.602	ng		99
29) 2,4-Dichlorophenol	8.098	162	285450	44.730	ng		99
30) 1,2,4-Trichlorobenzene	8.181	180	307473	44.598	ng		100
31) Naphthalene	8.263	128	1001515	44.466	ng		100
32) Benzoic acid	8.004	122	175738	41.958	ng		98
33) 4-Chloroaniline	8.304	127	251708	27.369	ng		99
34) Hexachlorobutadiene	8.386	225	187108	44.427	ng		99
35) Caprolactam	8.675	113	73569	38.150	ng		98
36) 4-Chloro-3-methylphenol	8.786	107	313467	45.193	ng		100
37) 2-Methylnaphthalene	8.957	142	614719	44.851	ng		99
38) 1-Methylnaphthalene	9.057	142	634487	44.956	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	298949	44.564	ng		99
41) Hexachlorocyclopentadiene	9.116	237	357071	81.804	ng		99
43) 2,4,6-Trichlorophenol	9.233	196	196949	42.421	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143307.D
Acq On : 05 Aug 2025 10:58
Operator : RC/JU
Sample : PB169095BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Quant Time: Aug 05 11:26:09 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	211805	45.607 ng		99
46) 1,1'-Biphenyl	9.422	154	811976	44.790 ng		99
47) 2-Chloronaphthalene	9.445	162	602995	44.954 ng		99
48) 2-Nitroaniline	9.533	65	203961	48.487 ng		100
49) Acenaphthylene	9.863	152	1016395	45.215 ng		100
50) Dimethylphthalate	9.716	163	693056	45.759 ng		100
51) 2,6-Dinitrotoluene	9.775	165	155053	50.325 ng		98
52) Acenaphthene	10.033	154	658002	49.525 ng		99
53) 3-Nitroaniline	9.945	138	122794	34.073 ng		96
54) 2,4-Dinitrophenol	10.051	184	148070	103.867 ng	#	1
55) Dibenzofuran	10.204	168	871941	44.203 ng		100
56) 4-Nitrophenol	10.104	139	226718	84.247 ng		96
57) 2,4-Dinitrotoluene	10.180	165	200962	51.988 ng		96
58) Fluorene	10.551	166	660530	44.616 ng		100
59) 2,3,4,6-Tetrachlorophenol	10.322	232	174330	45.315 ng		98
60) Diethylphthalate	10.416	149	688882	46.018 ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	336708	45.675 ng		98
62) 4-Nitroaniline	10.557	138	145725	47.181 ng		98
63) Azobenzene	10.698	77	709639	45.484 ng		100
65) 4,6-Dinitro-2-methylph...	10.592	198	99435	51.364 ng		99
66) n-Nitrosodiphenylamine	10.657	169	588520	45.635 ng		99
67) 4-Bromophenyl-phenylether	11.027	248	204566	46.870 ng		99
68) Hexachlorobenzene	11.104	284	208607	45.728 ng		98
69) Atrazine	11.180	200	178303	50.150 ng		99
70) Pentachlorophenol	11.292	266	224940	83.847 ng		99
71) Phenanthrene	11.516	178	881990	45.356 ng		100
72) Anthracene	11.563	178	897867	45.272 ng		100
73) Carbazole	11.716	167	794899	45.901 ng		100
74) Di-n-butylphthalate	12.045	149	985524	50.294 ng		100
75) Fluoranthene	12.704	202	850431	47.646 ng		100
77) Benzidine	12.816	184	343105	39.905 ng		98
78) Pyrene	12.933	202	844315	44.329 ng		100
80) Butylbenzylphthalate	13.539	149	330575	56.680 ng		99
81) Benzo(a)anthracene	14.116	228	700613	46.891 ng		99
82) 3,3'-Dichlorobenzidine	14.074	252	169971	34.132 ng		99
83) Chrysene	14.157	228	601537	44.779 ng		99
84) Bis(2-ethylhexyl)phtha...	14.098	149	455949	51.650 ng		98
85) Di-n-octyl phthalate	14.715	149	764520	47.779 ng	#	100
87) Indeno(1,2,3-cd)pyrene	17.186	276	823824	45.927 ng		98
88) Benzo(b)fluoranthene	15.192	252	666144	42.865 ng		99
89) Benzo(k)fluoranthene	15.221	252	670019	48.315 ng		99
90) Benzo(a)pyrene	15.574	252	663370	46.330 ng		99
91) Dibenzo(a,h)anthracene	17.204	278	670907	45.952 ng		100
92) Benzo(g,h,i)perylene	17.651	276	666185	47.170 ng		98

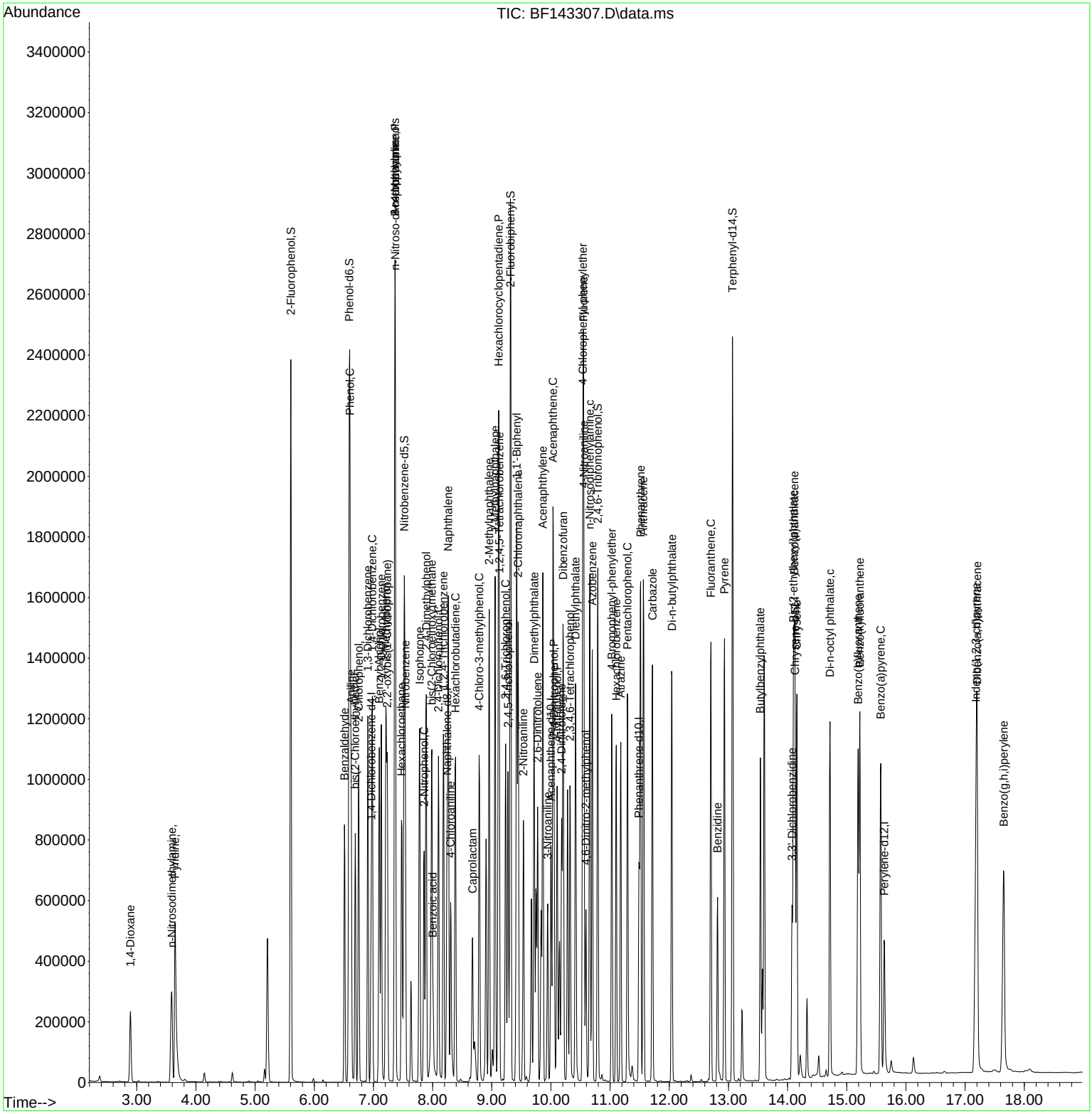
(#) = qualifier out of range (m) = manual integration (+) = signals summed

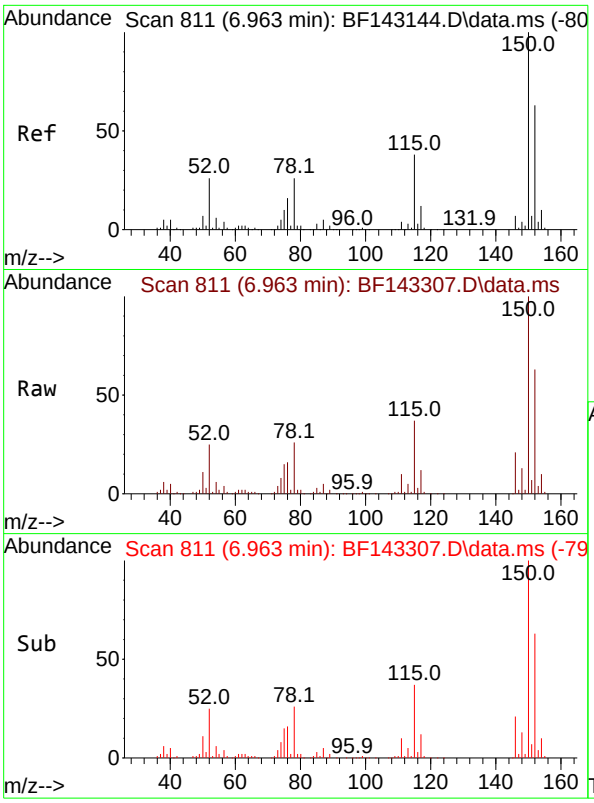
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143307.D
Acq On : 05 Aug 2025 10:58
Operator : RC/JU
Sample : PB169095BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Quant Time: Aug 05 11:26:09 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



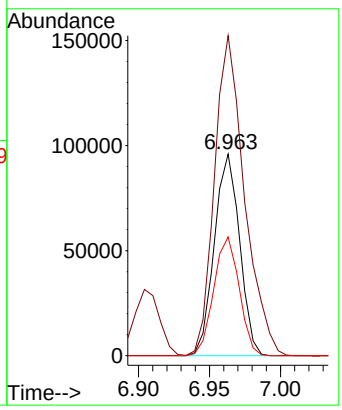


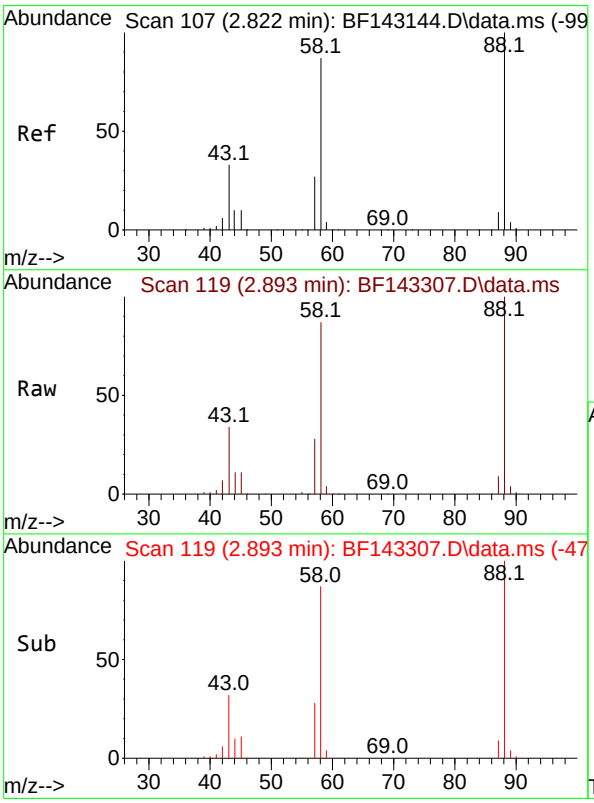
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:152 Resp: 118629

Ion	Ratio	Lower	Upper
152	100		
150	158.8	128.2	192.4
115	58.9	47.9	71.9

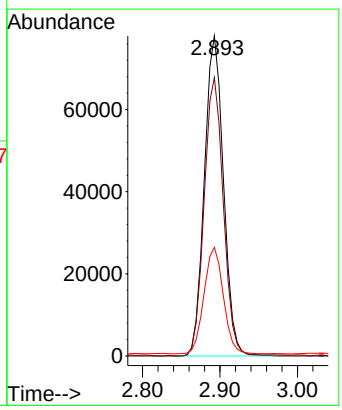


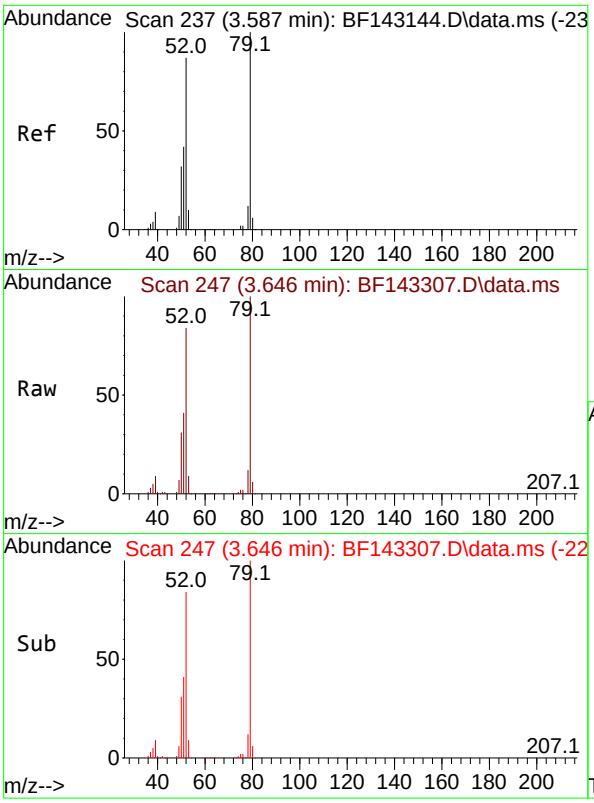


#2
1,4-Dioxane
Concen: 37.519 ng
RT: 2.893 min Scan# 119
Delta R.T. 0.071 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 88 Resp: 133086

Ion	Ratio	Lower	Upper
88	100		
58	88.0	70.2	105.2
43	33.7	27.1	40.7



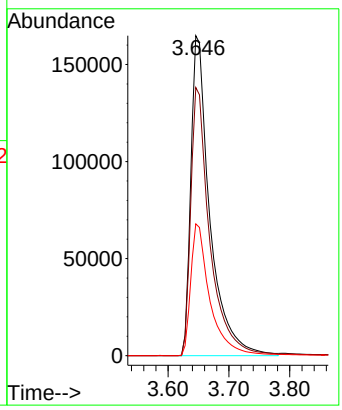


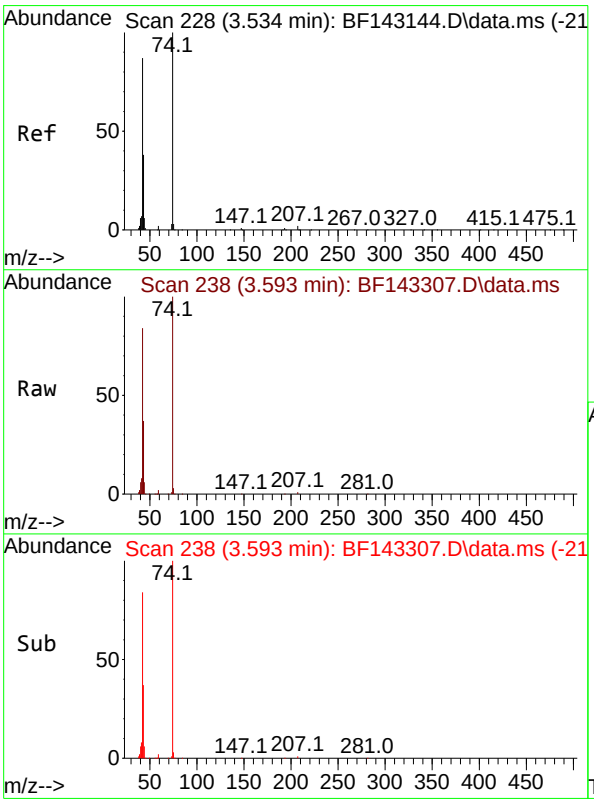
#3
Pyridine
Concen: 38.823 ng
RT: 3.646 min Scan# 2
Delta R.T. 0.059 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 79 Resp: 357435

Ion	Ratio	Lower	Upper
79	100		
52	83.8	69.4	104.2
51	41.2	33.5	50.3

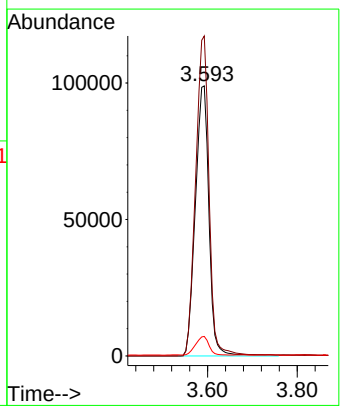


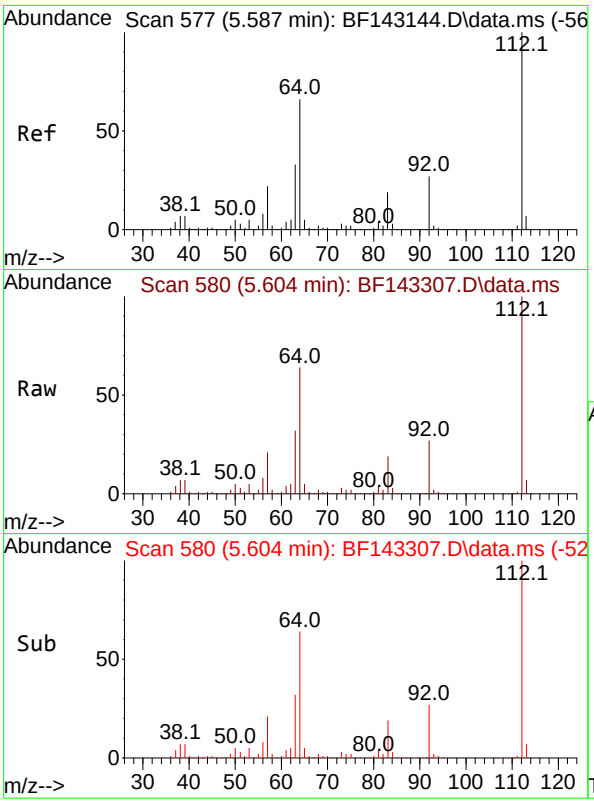


#4
n-Nitrosodimethylamine
Concen: 43.942 ng
RT: 3.593 min Scan# 238
Delta R.T. 0.059 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 42 Resp: 208878

Ion	Ratio	Lower	Upper
42	100		
74	118.5	91.7	137.5
44	7.2	5.6	8.4



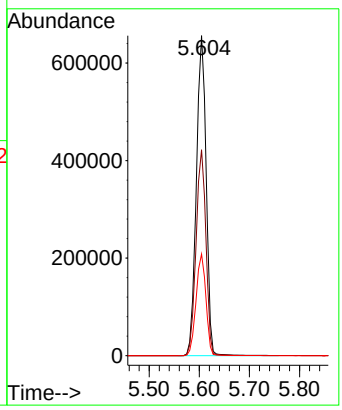


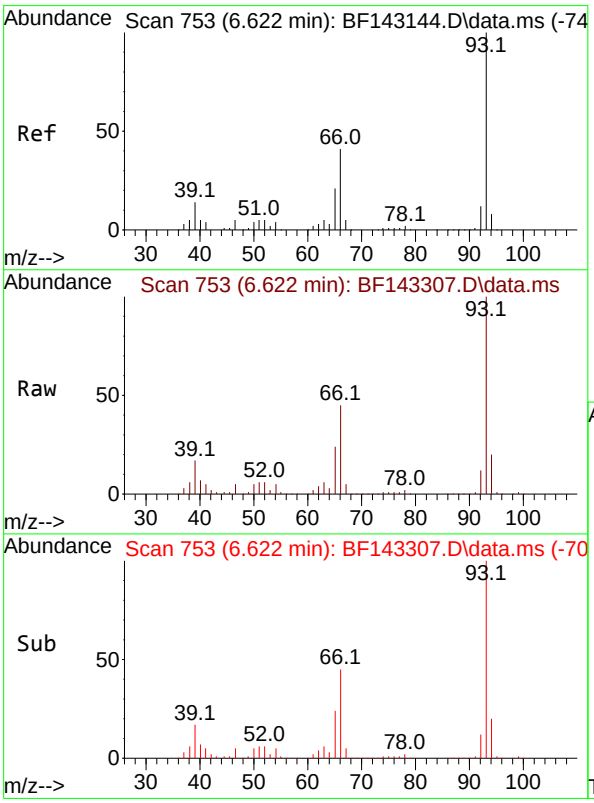
#5
2-Fluorophenol
Concen: 118.808 ng
RT: 5.604 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:112 Resp: 890640

Ion	Ratio	Lower	Upper
112	100		
64	64.3	53.1	79.7
63	31.8	26.6	40.0

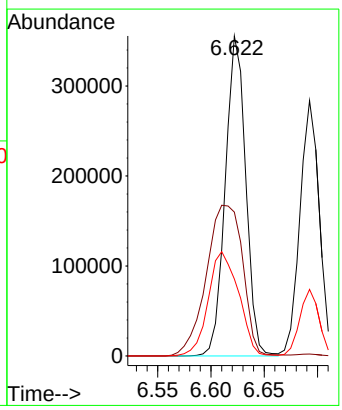


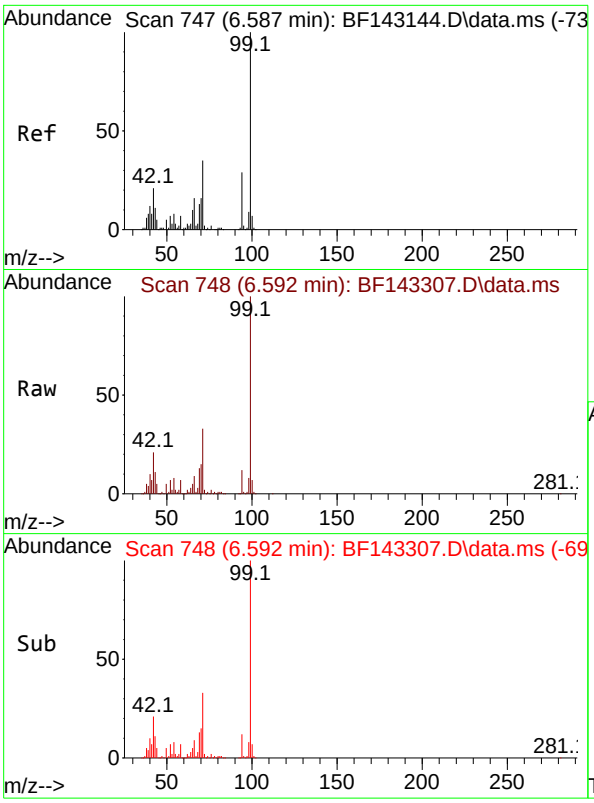


#6
Aniline
Concen: 36.151 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 93 Resp: 475405

Ion	Ratio	Lower	Upper
93	100		
66	45.0	33.2	49.8
65	24.1	16.9	25.3



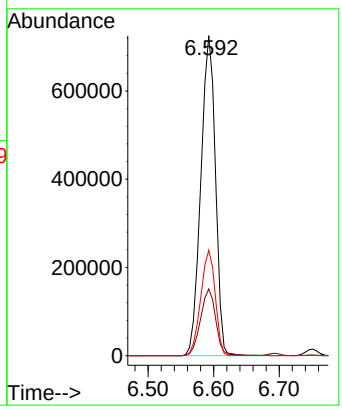


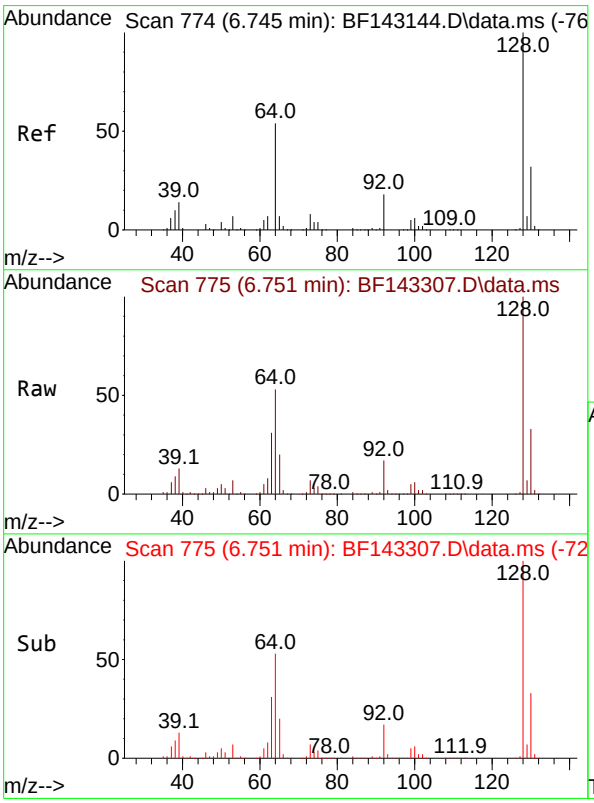
#7
Phenol-d6
Concen: 119.475 ng
RT: 6.592 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 99 Resp: 1127332

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	32.9	27.7	41.5

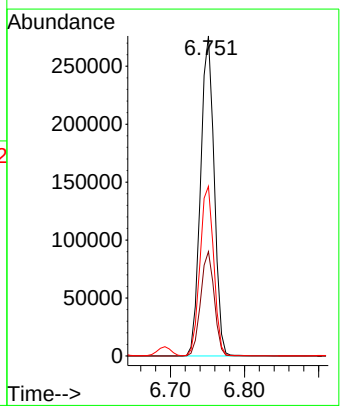


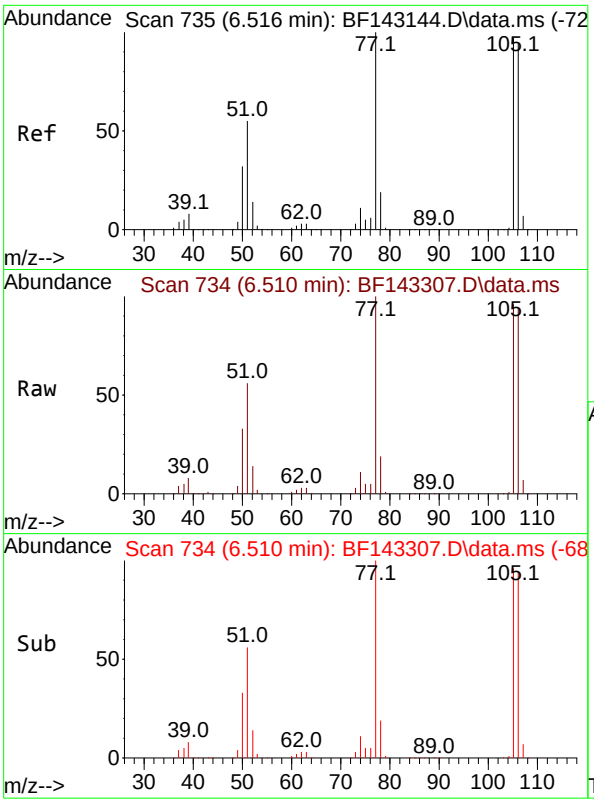


#8
2-Chlorophenol
Concen: 45.073 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:128 Resp: 354173

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.3	52.3
64	53.0	35.9	75.9



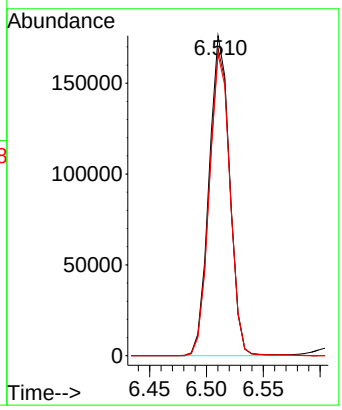


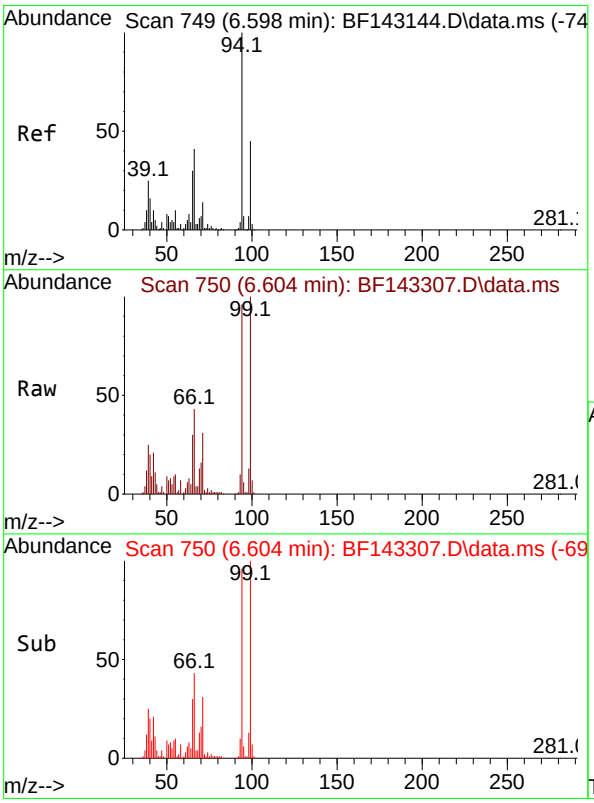
#9
Benzaldehyde
Concen: 31.268 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 77 Resp: 221233

Ion	Ratio	Lower	Upper
77	100		
105	96.0	76.8	116.8
106	94.3	74.4	114.4

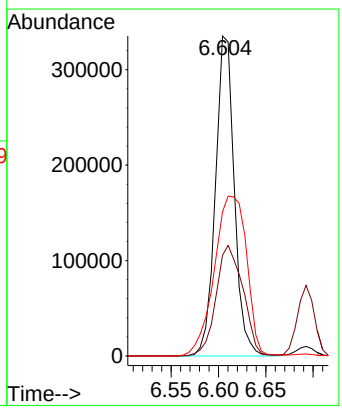


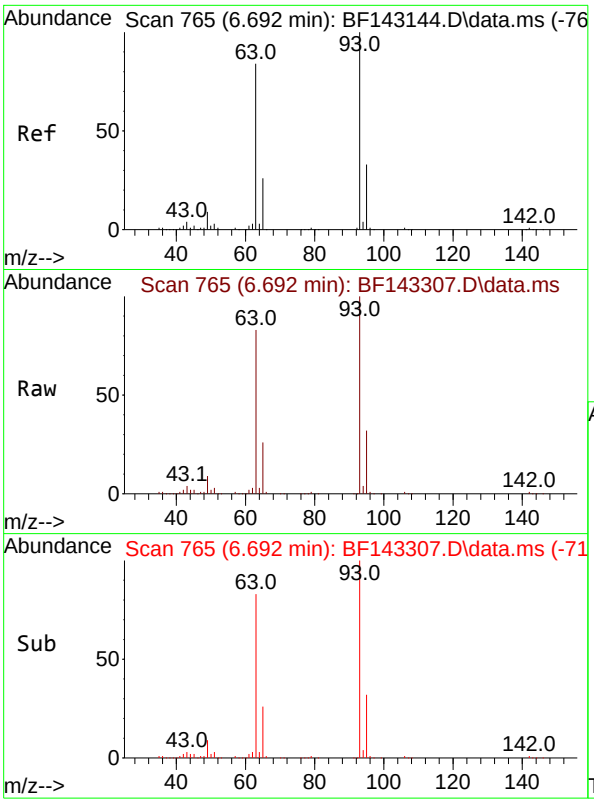


#10
Phenol
Concen: 45.404 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 94 Resp: 466719

Ion	Ratio	Lower	Upper
94	100		
65	31.5	10.0	50.0
66	45.1	20.8	60.8



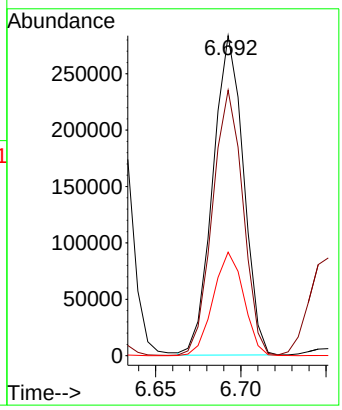


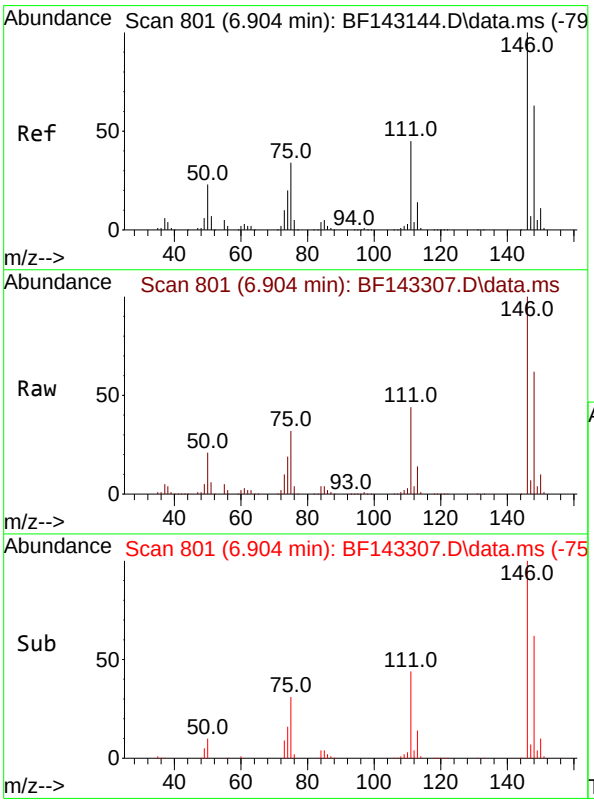
#11
bis(2-Chloroethyl)ether
Concen: 45.039 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 93 Resp: 354481

Ion	Ratio	Lower	Upper
93	100		
63	82.9	63.4	103.4
95	32.3	12.4	52.4

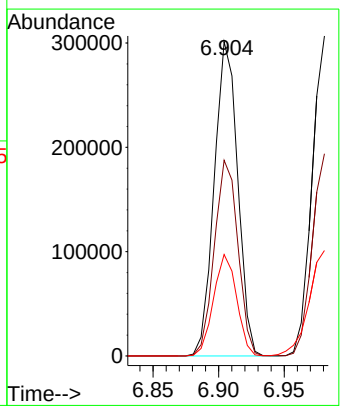


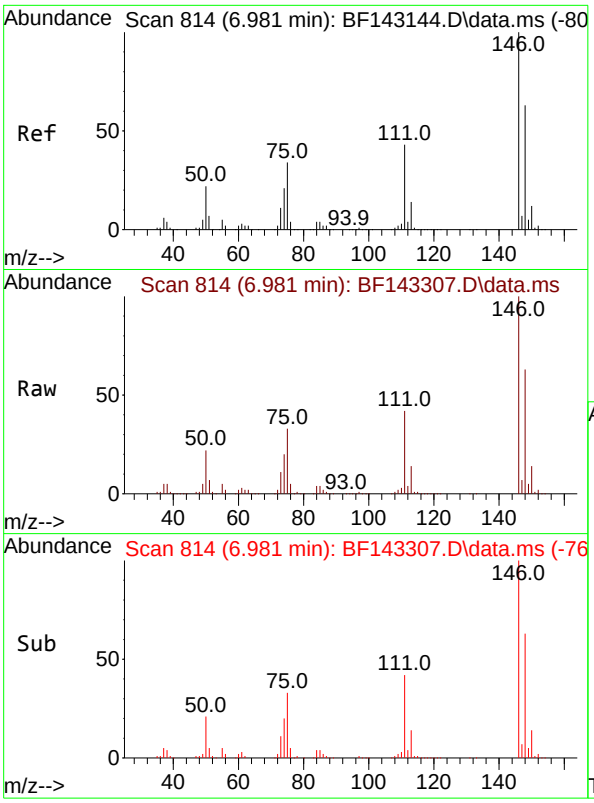


#12
1,3-Dichlorobenzene
Concen: 43.881 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:146 Resp: 374570

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.6	76.0
75	32.3	27.4	41.2



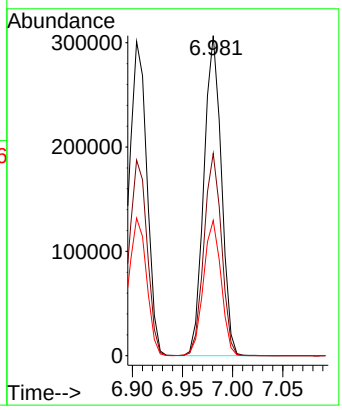


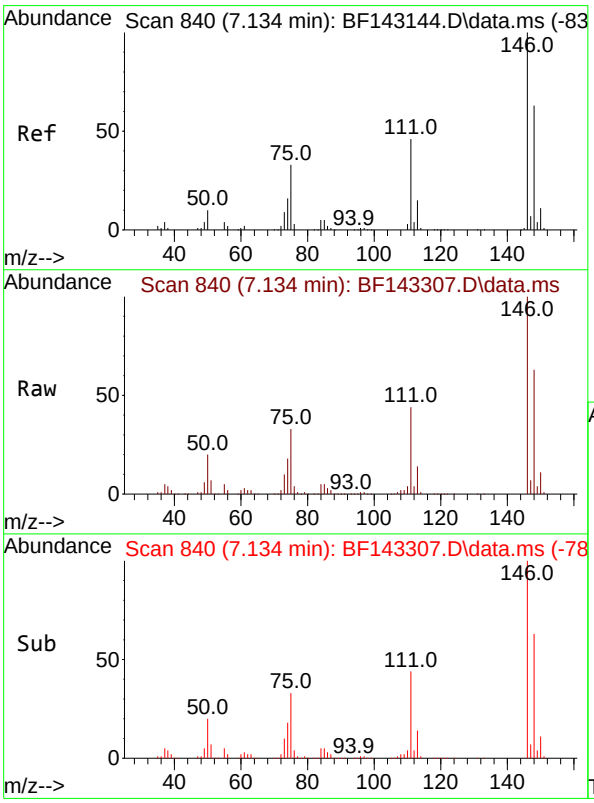
#13
1,4-Dichlorobenzene
Concen: 43.482 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:146 Resp: 373783

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.3	75.5
111	42.3	34.4	51.6

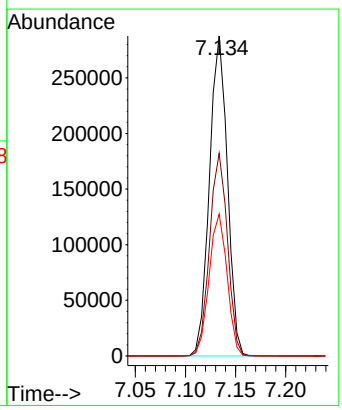


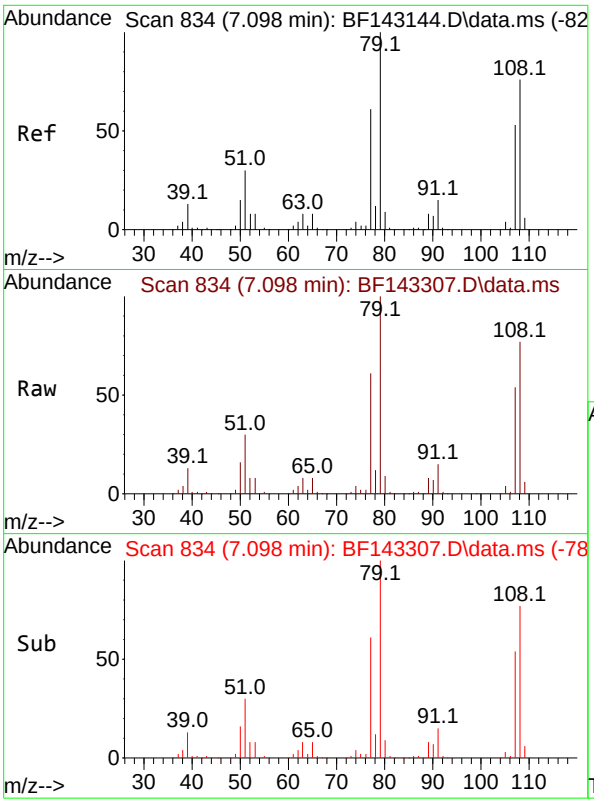


#14
1,2-Dichlorobenzene
Concen: 43.881 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:146 Resp: 358774

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.7	76.1
111	44.4	36.6	54.8



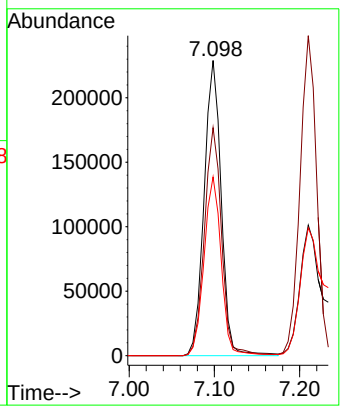


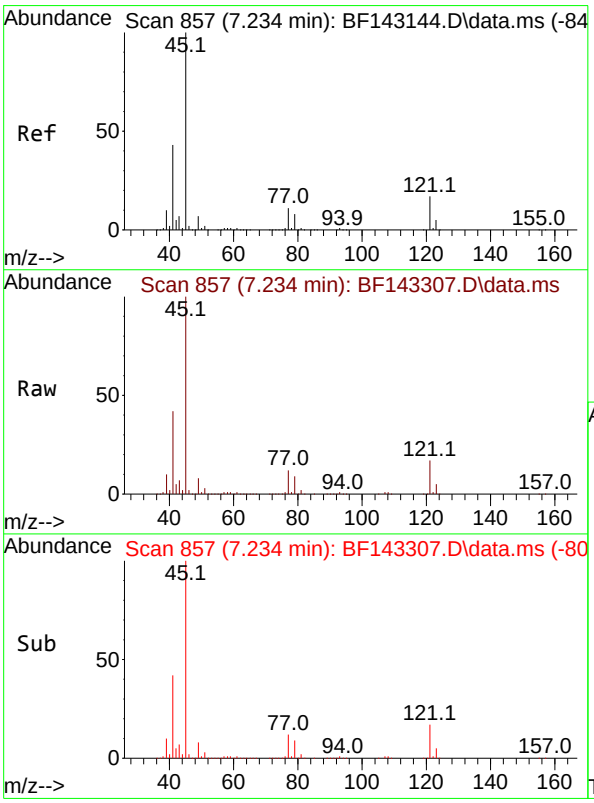
#15
Benzyl Alcohol
Concen: 44.264 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 79 Resp: 318906

Ion	Ratio	Lower	Upper
79	100		
108	77.2	61.1	91.7
77	60.5	48.9	73.3

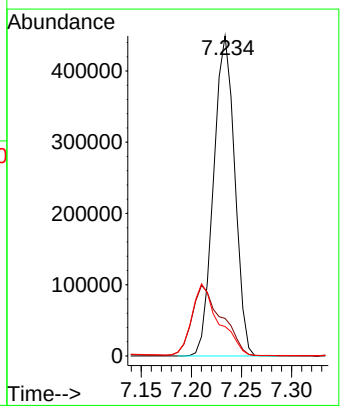


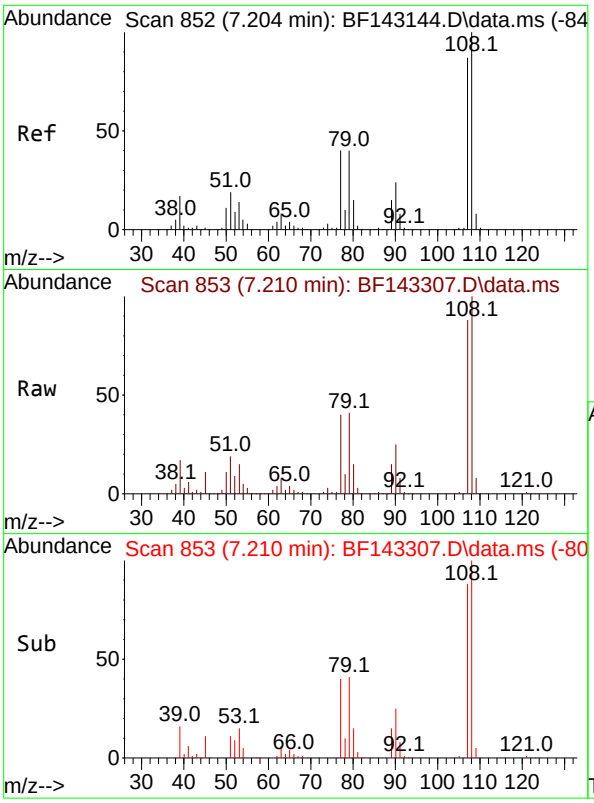


#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.012 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 45 Resp: 657171

Ion	Ratio	Lower	Upper
45	100		
77	11.8	0.0	31.2
79	9.2	0.0	28.5



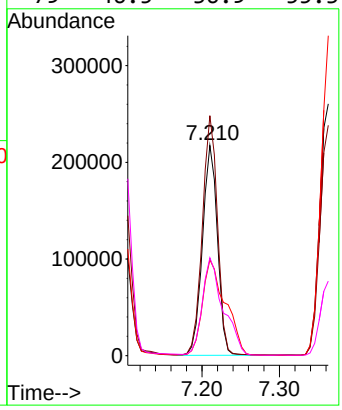


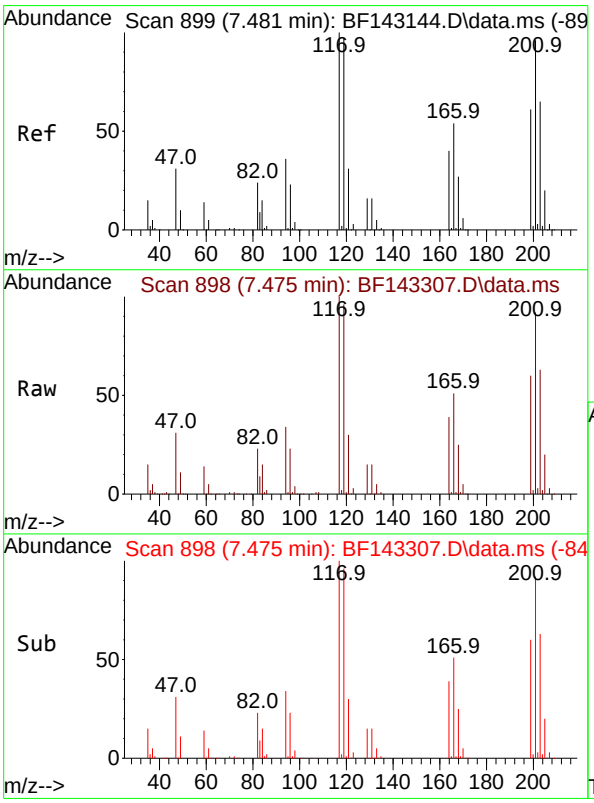
#17
2-Methylphenol
Concen: 44.258 ng
RT: 7.210 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:107 Resp: 292413

Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.8	137.6
77	45.6	37.0	55.6
79	46.5	36.9	55.3

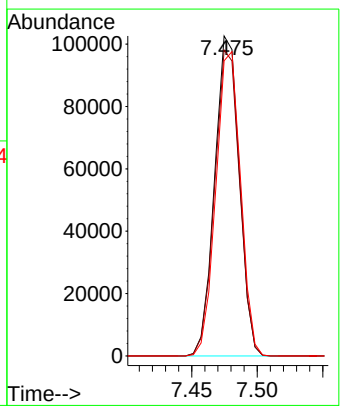


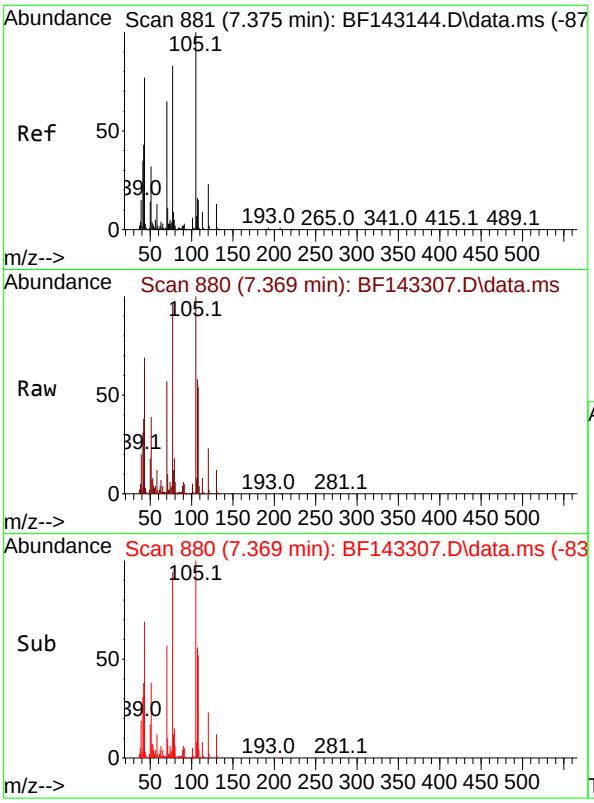


#18
Hexachloroethane
Concen: 45.080 ng
RT: 7.475 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:117 Resp: 134155

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.8	116.8
201	92.3	77.0	115.4



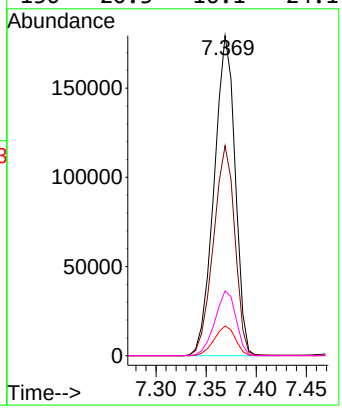


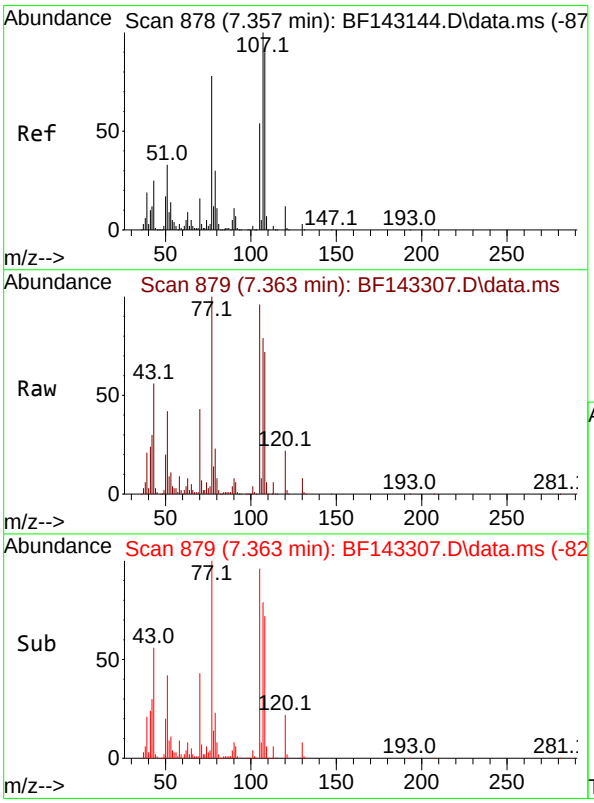
#19
n-Nitroso-di-n-propylamine
Concen: 43.263 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 70 Resp: 261896

Ion	Ratio	Lower	Upper
70	100		
42	65.6	52.5	78.7
101	9.3	7.6	11.4
130	20.3	16.1	24.1

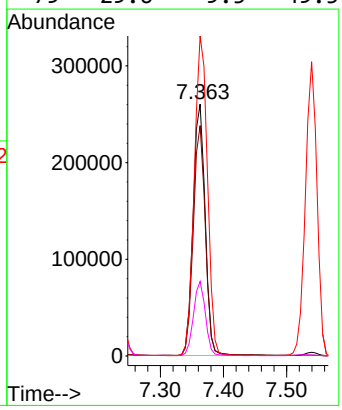


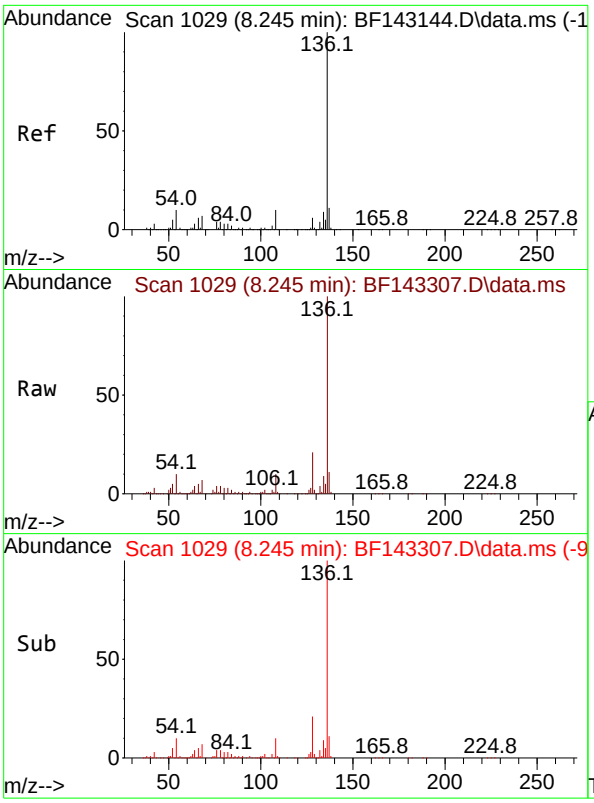


#20
3+4-Methylphenols
Concen: 43.179 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:107 Resp: 346128

Ion	Ratio	Lower	Upper
107	100		
108	91.5	70.0	110.0
77	127.0	57.8	97.8#
79	29.6	9.5	49.5



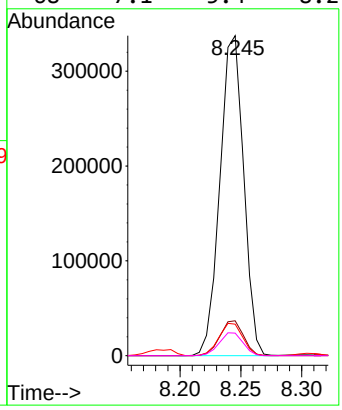


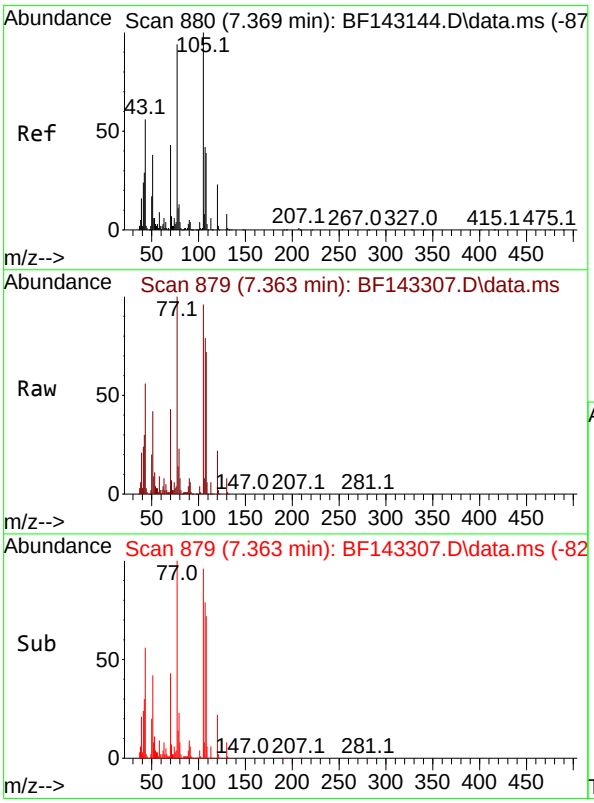
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:136 Resp: 457337

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	9.8	8.2	12.2
68	7.1	5.4	8.2

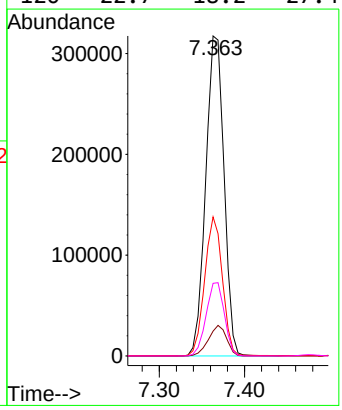


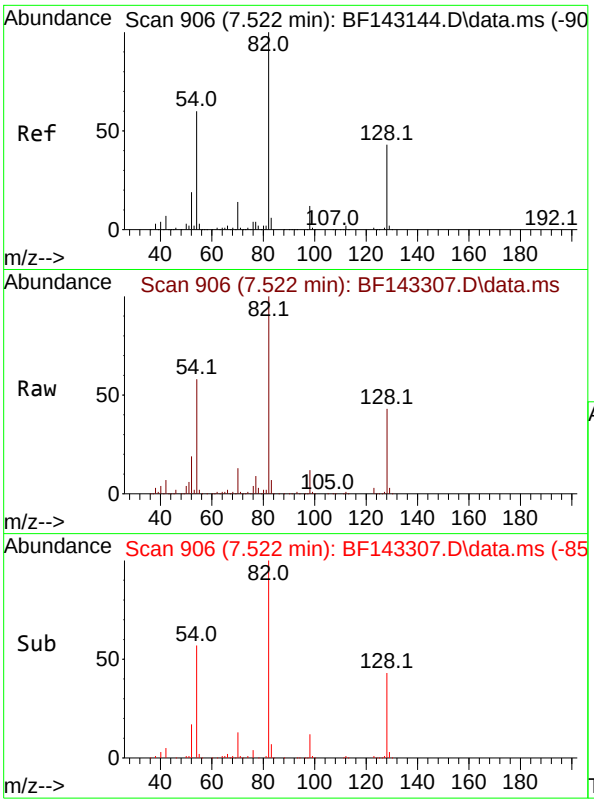


#22
Acetophenone
Concen: 43.776 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:105 Resp: 473988

Ion	Ratio	Lower	Upper
105	100		
71	7.8	5.8	8.6
51	43.5	30.2	45.2
120	22.7	18.2	27.4



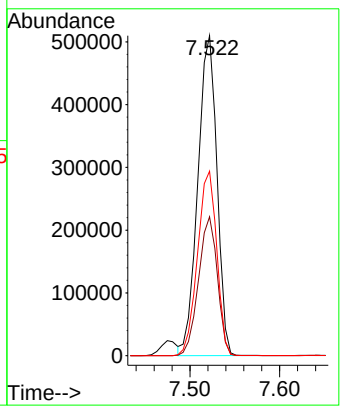


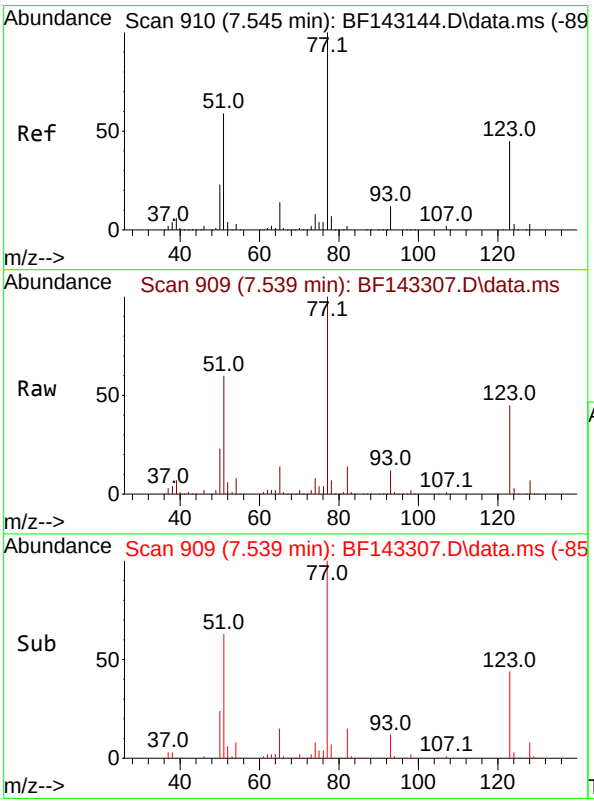
#23
Nitrobenzene-d5
Concen: 82.044 ng
RT: 7.522 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 82 Resp: 752737

Ion	Ratio	Lower	Upper
82	100		
128	43.4	33.6	50.4
54	57.6	47.1	70.7

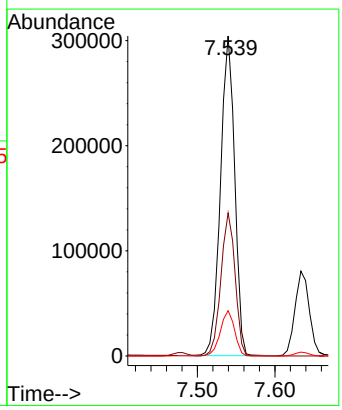


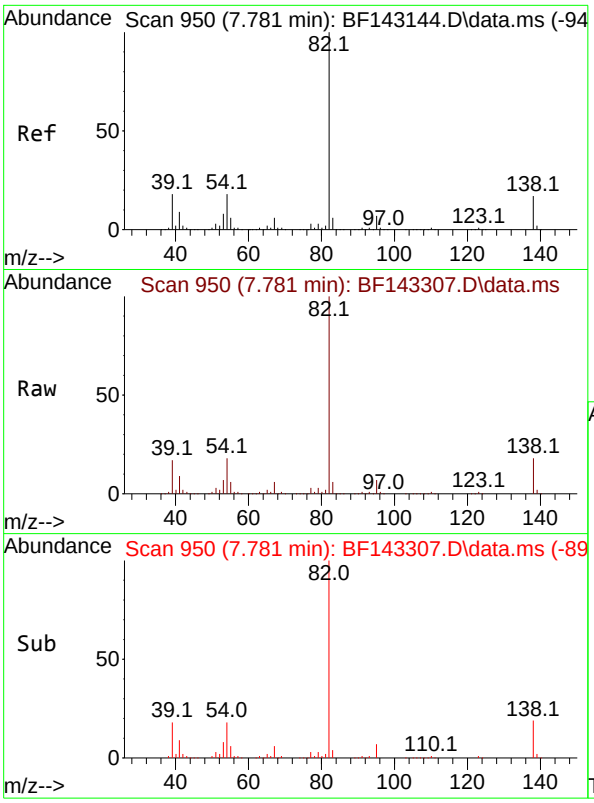


#24
Nitrobenzene
Concen: 45.267 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 77 Resp: 387205

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.1	54.1
65	14.2	11.4	17.2



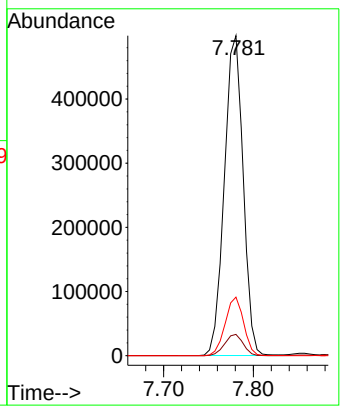


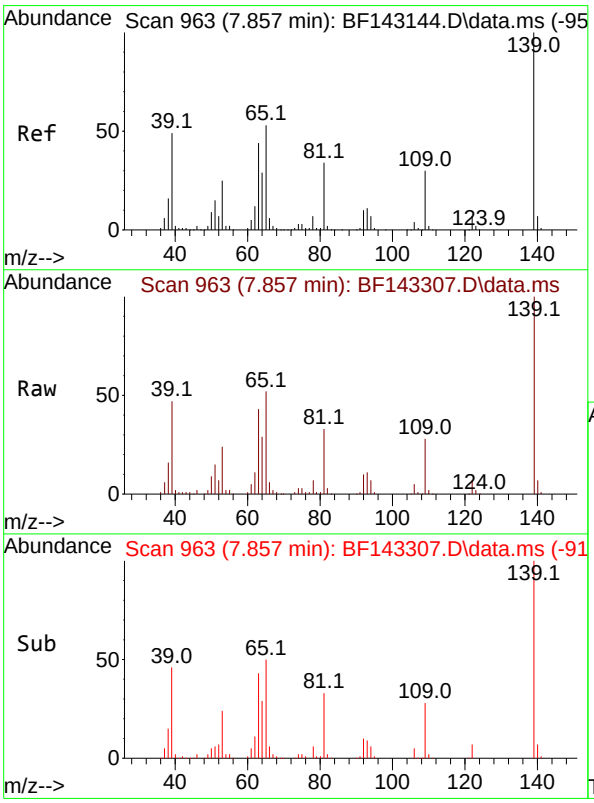
#25
Isophorone
Concen: 44.781 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 82 Resp: 725302

Ion	Ratio	Lower	Upper
82	100		
95	6.6	5.5	8.3
138	18.3	13.8	20.8

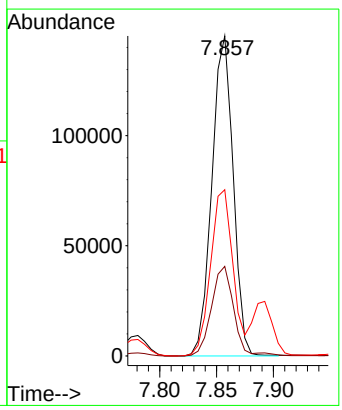


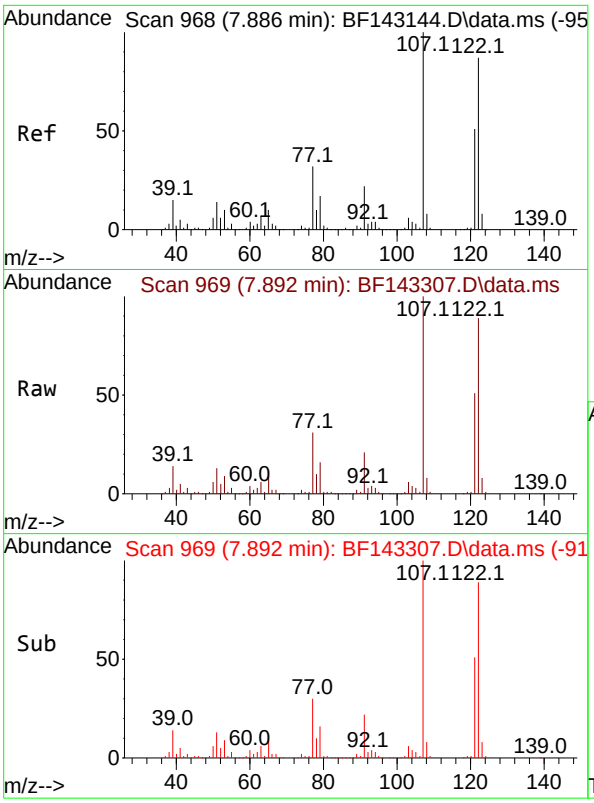


#26
2-Nitrophenol
Concen: 50.951 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:139 Resp: 189149

Ion	Ratio	Lower	Upper
139	100		
109	28.0	23.6	35.4
65	52.0	42.6	64.0



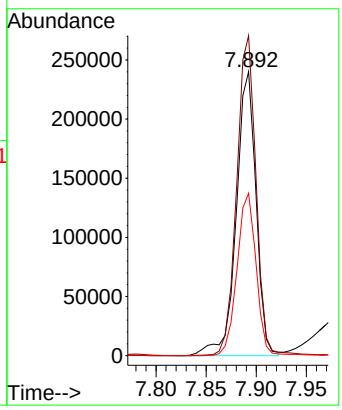


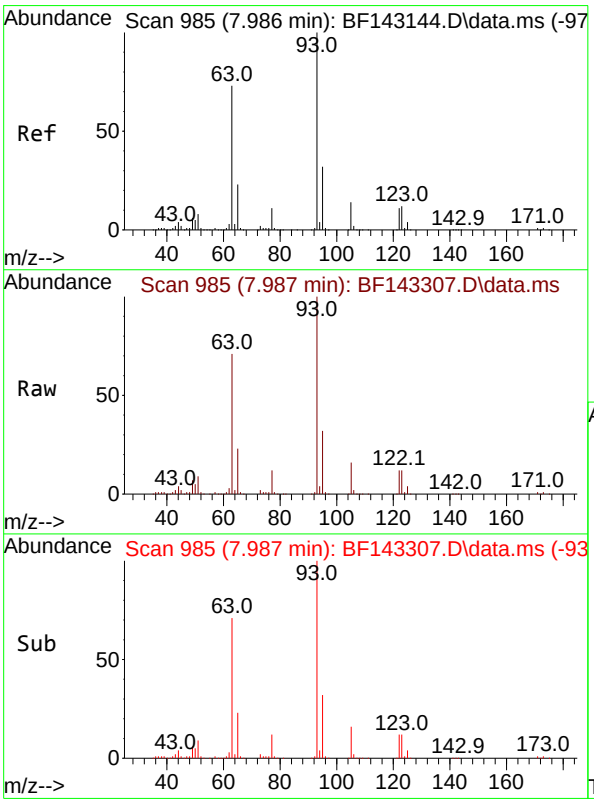
#27
2,4-Dimethylphenol
Concen: 43.689 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:122 Resp: 330601

Ion	Ratio	Lower	Upper
122	100		
107	112.7	91.8	137.6
121	57.2	46.3	69.5

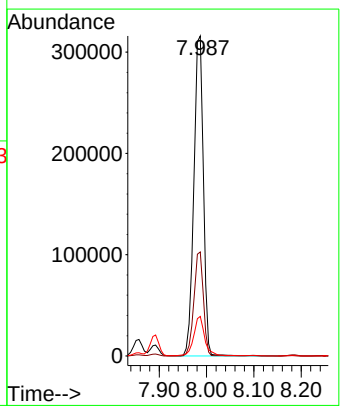


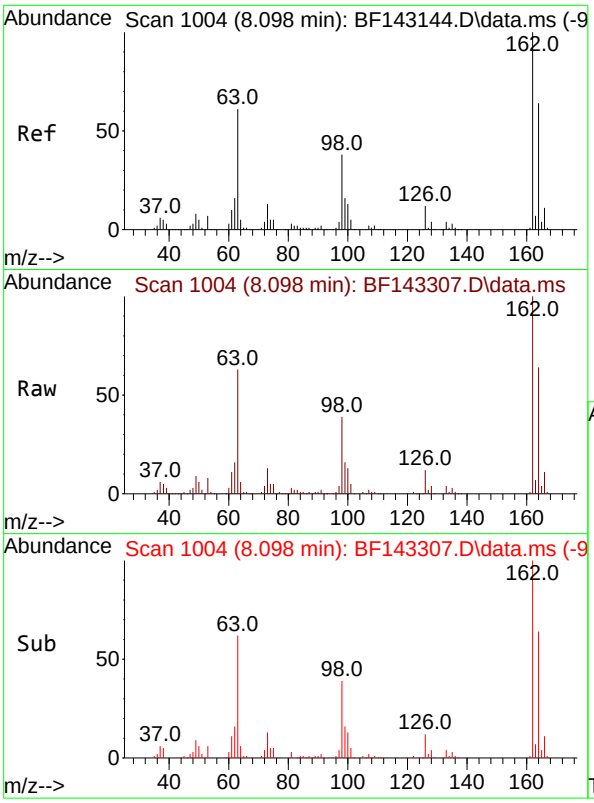


#28
bis(2-Chloroethoxy)methane
Concen: 45.602 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 93 Resp: 442833

Ion	Ratio	Lower	Upper
93	100		
95	32.5	25.8	38.6
123	12.3	9.7	14.5



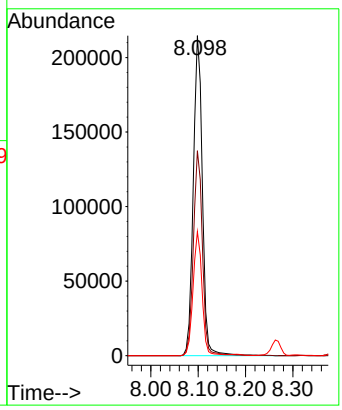


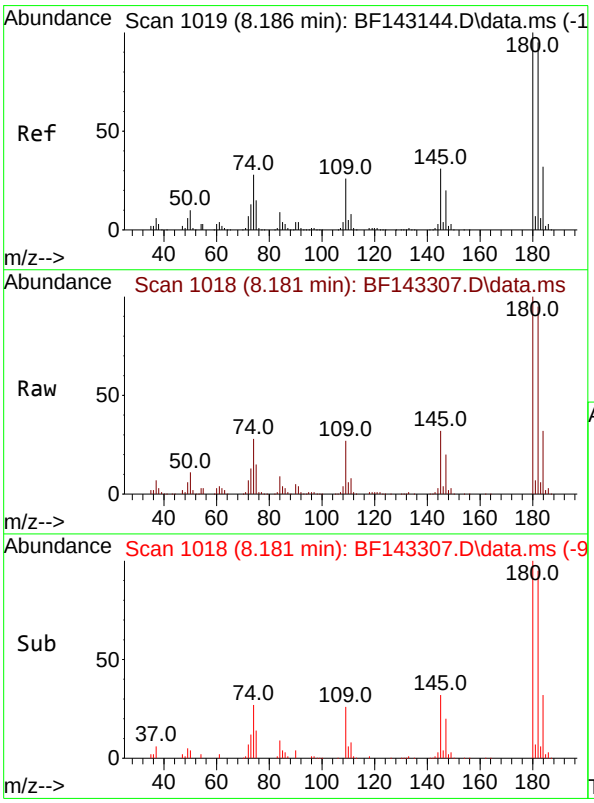
#29
2,4-Dichlorophenol
Concen: 44.730 ng
RT: 8.098 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:162 Resp: 285450

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.2	84.2
98	38.8	17.9	57.9

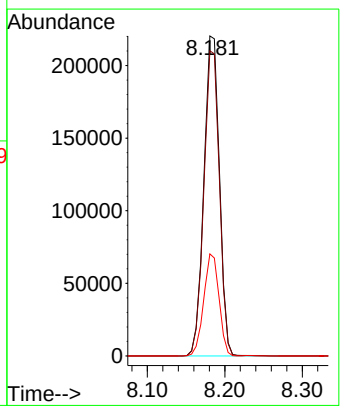


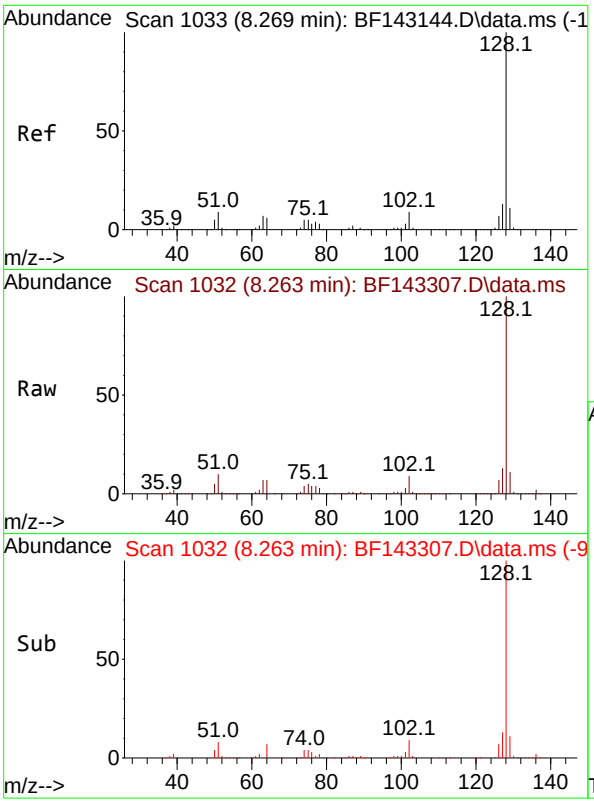


#30
1,2,4-Trichlorobenzene
Concen: 44.598 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:180 Resp: 307473

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
145	31.9	25.0	37.6



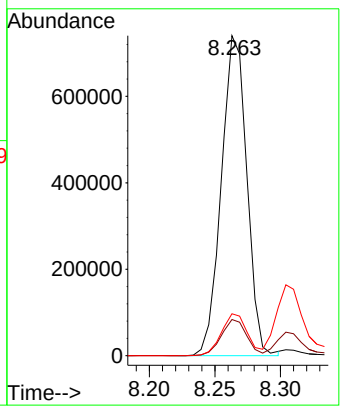


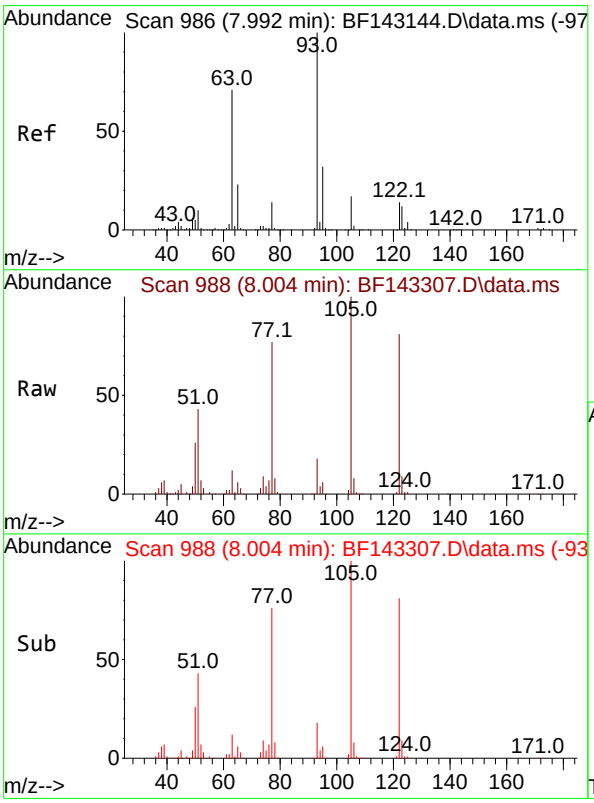
#31
Naphthalene
Concen: 44.466 ng
RT: 8.263 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:128 Resp: 1001515

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.4
127	13.1	10.6	16.0

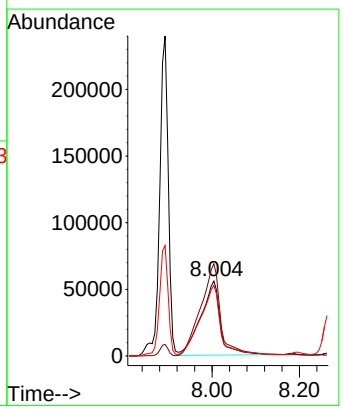


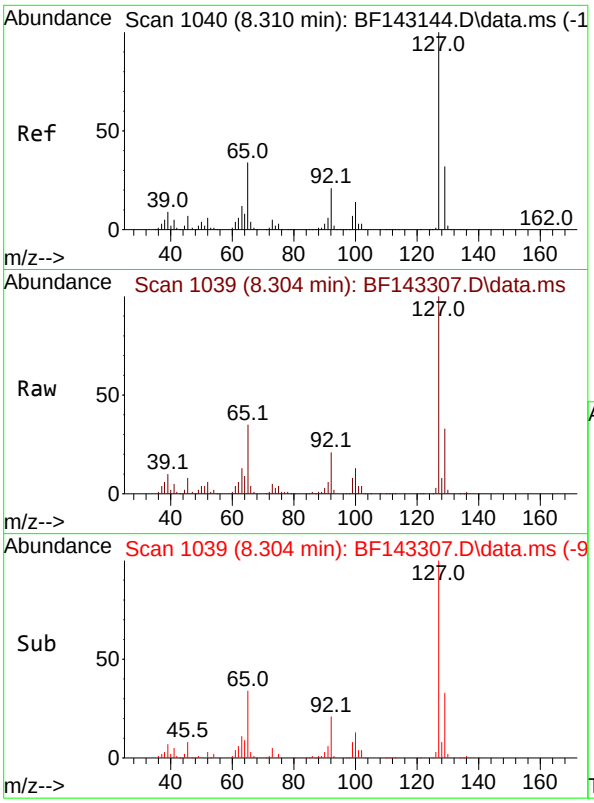


#32
Benzoic acid
Concen: 41.958 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:122 Resp: 175738

Ion	Ratio	Lower	Upper
122	100		
105	123.1	104.8	144.8
77	94.2	77.6	117.6



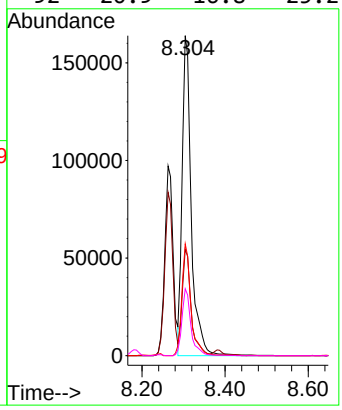


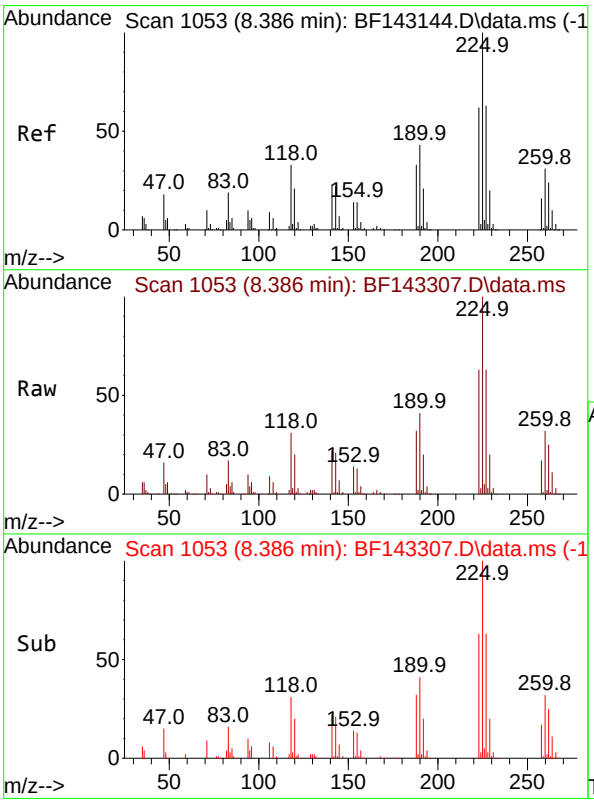
#33
4-Chloroaniline
Concen: 27.369 ng
RT: 8.304 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:127 Resp: 251708

Ion	Ratio	Lower	Upper
127	100		
129	33.2	26.0	39.0
65	35.0	27.4	41.2
92	20.9	16.8	25.2

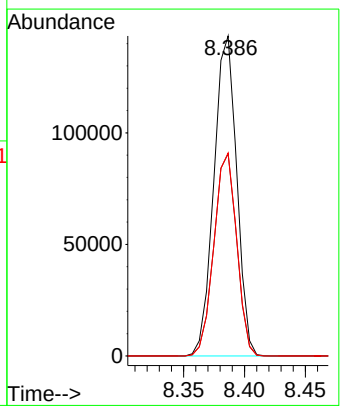


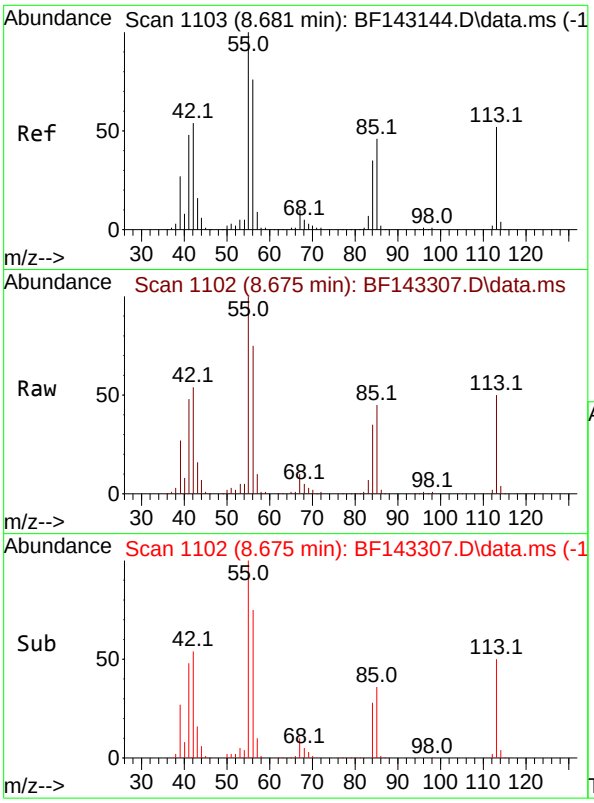


#34
Hexachlorobutadiene
Concen: 44.427 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:225 Resp: 187108

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.6
227	63.4	50.2	75.4



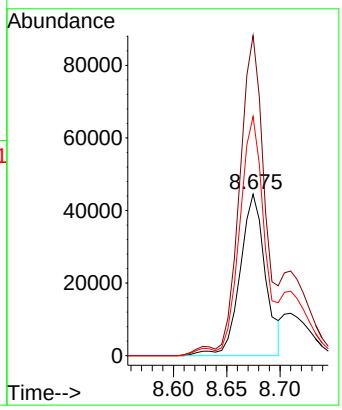


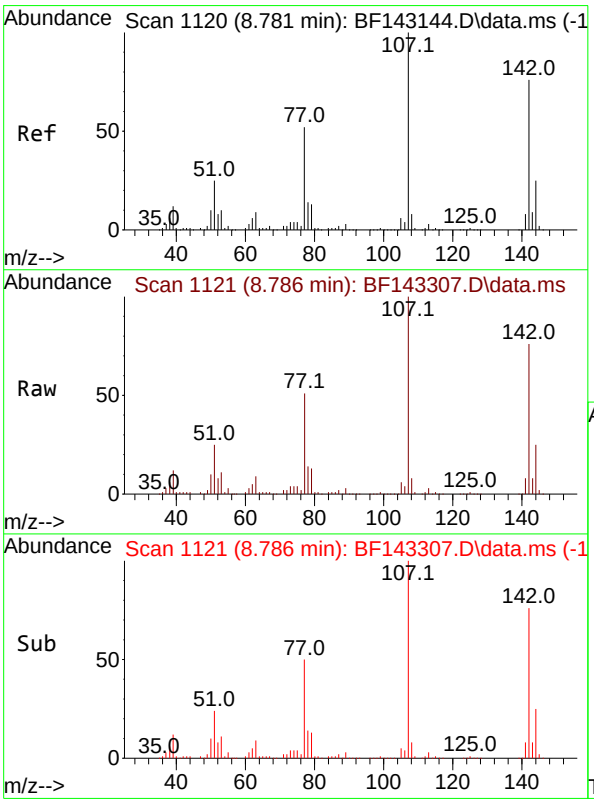
#35
Caprolactam
Concen: 38.150 ng
RT: 8.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:113 Resp: 73569

Ion	Ratio	Lower	Upper
113	100		
55	198.2	174.0	214.0
56	148.2	126.6	166.6

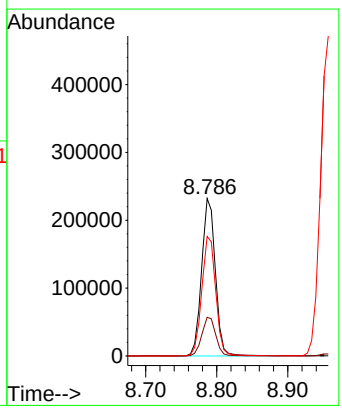


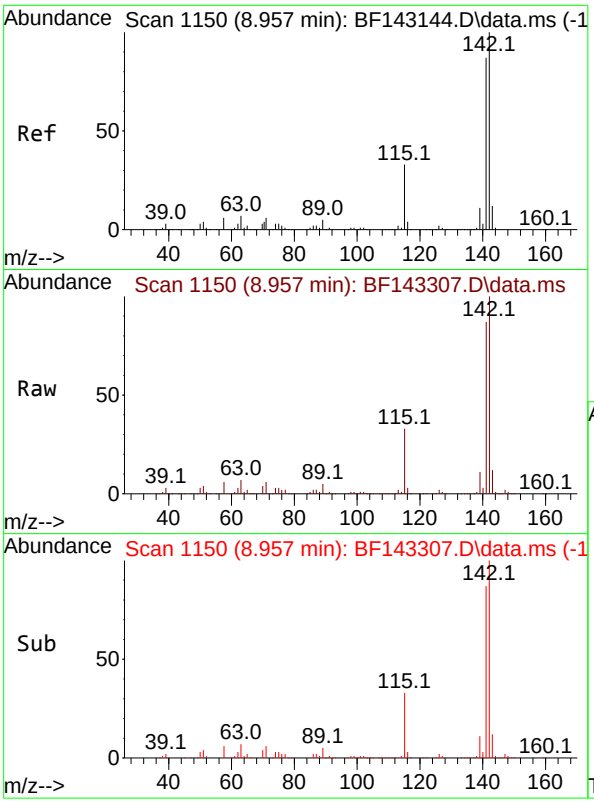


#36
4-Chloro-3-methylphenol
Concen: 45.193 ng
RT: 8.786 min Scan# 1121
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:107 Resp: 313467

Ion	Ratio	Lower	Upper
107	100		
144	24.6	19.8	29.6
142	76.0	60.6	90.8



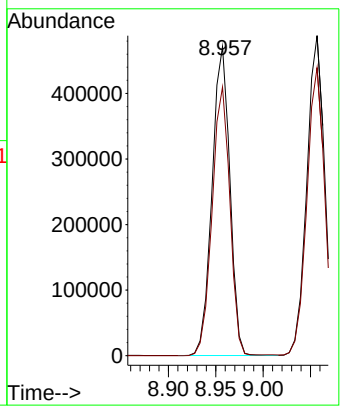


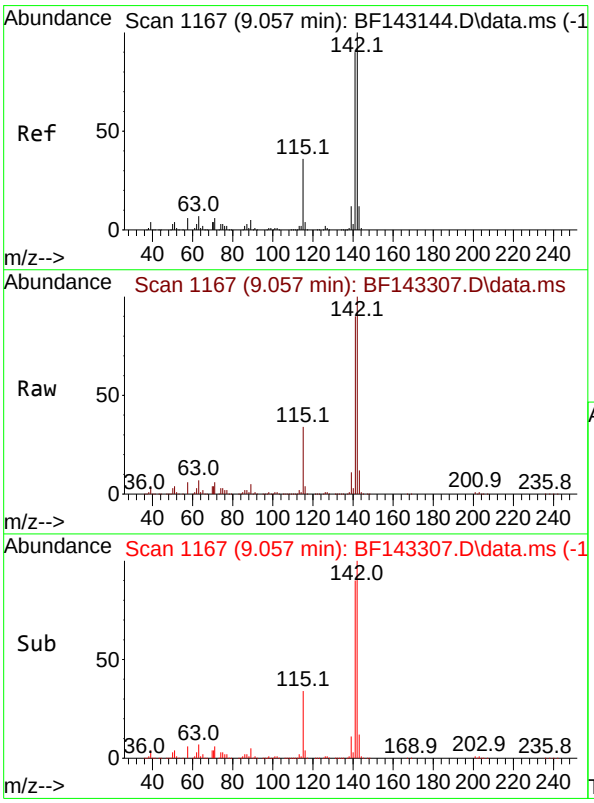
#37
2-Methylnaphthalene
Concen: 44.851 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:142 Resp: 614719

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.9	104.9

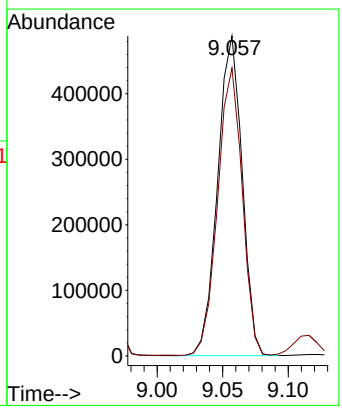


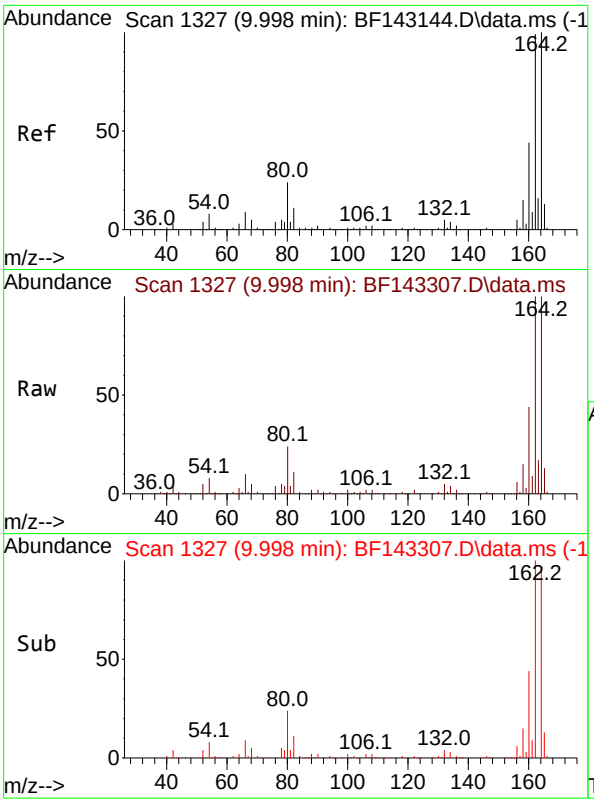


#38
1-Methylnaphthalene
Concen: 44.956 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:142 Resp: 634487

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.3	108.5



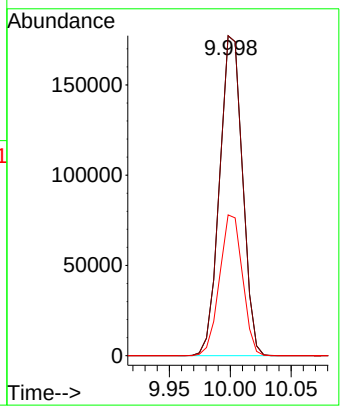


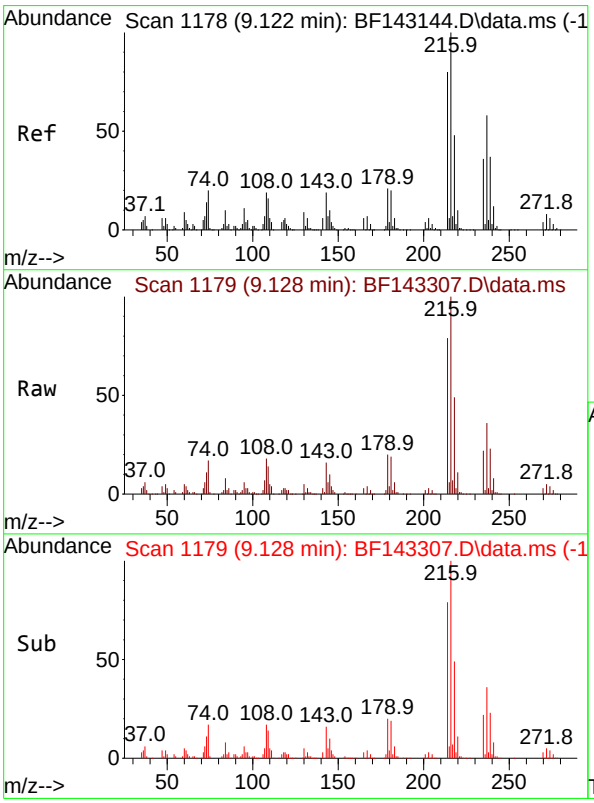
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:164 Resp: 232356

Ion	Ratio	Lower	Upper
164	100		
162	100.1	79.0	118.6
160	44.0	35.1	52.7

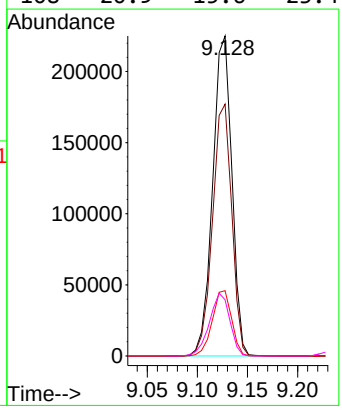


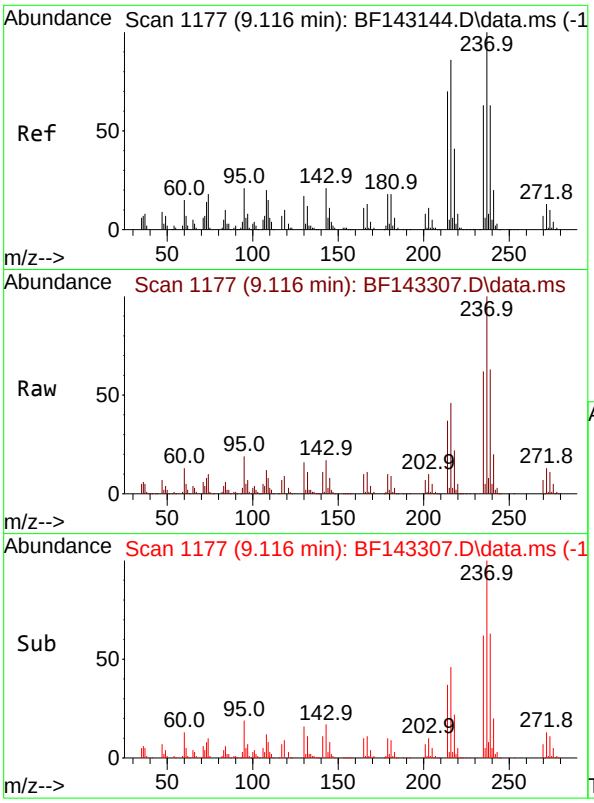


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.564 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:216 Resp: 298949

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.8
179	20.6	16.4	24.6
108	20.9	15.6	23.4



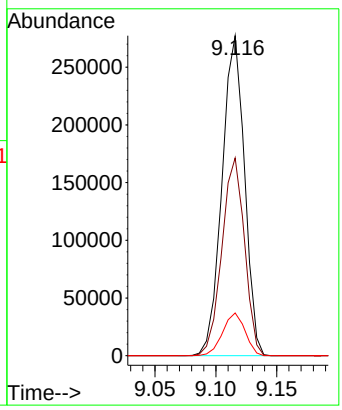


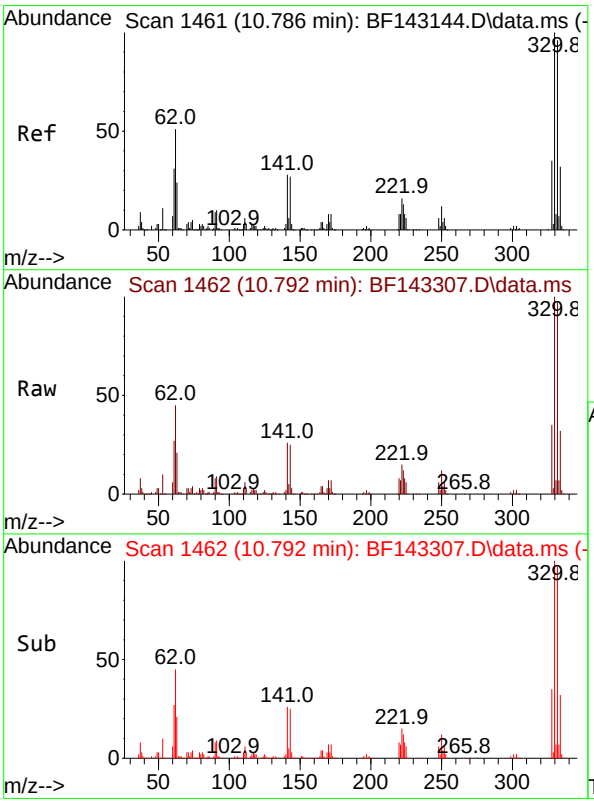
#41
Hexachlorocyclopentadiene
Concen: 81.804 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:237 Resp: 357071

Ion	Ratio	Lower	Upper
237	100		
235	61.8	43.0	83.0
272	13.4	0.0	33.3

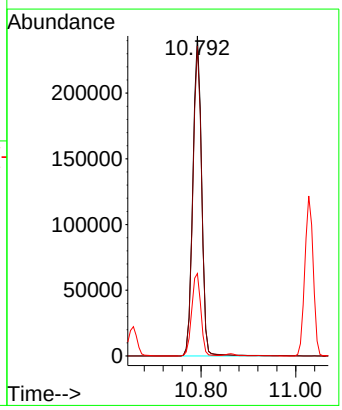


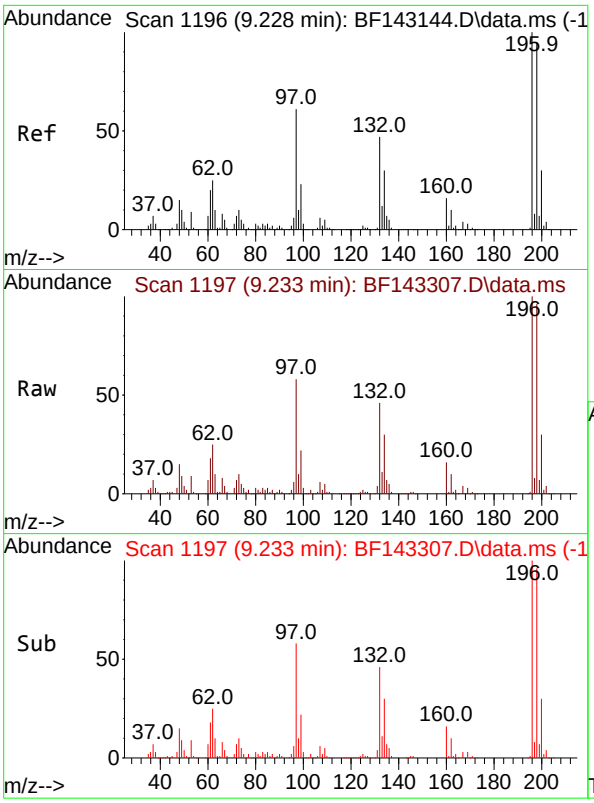


#42
2,4,6-Tribromophenol
Concen: 129.660 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:330 Resp: 311231

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.7	115.1
141	26.9	23.3	34.9



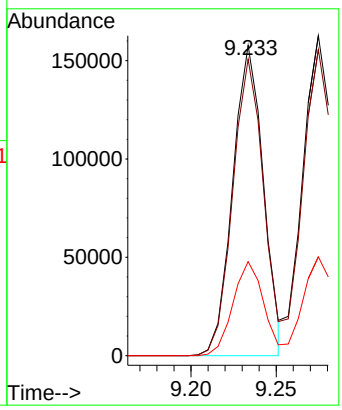


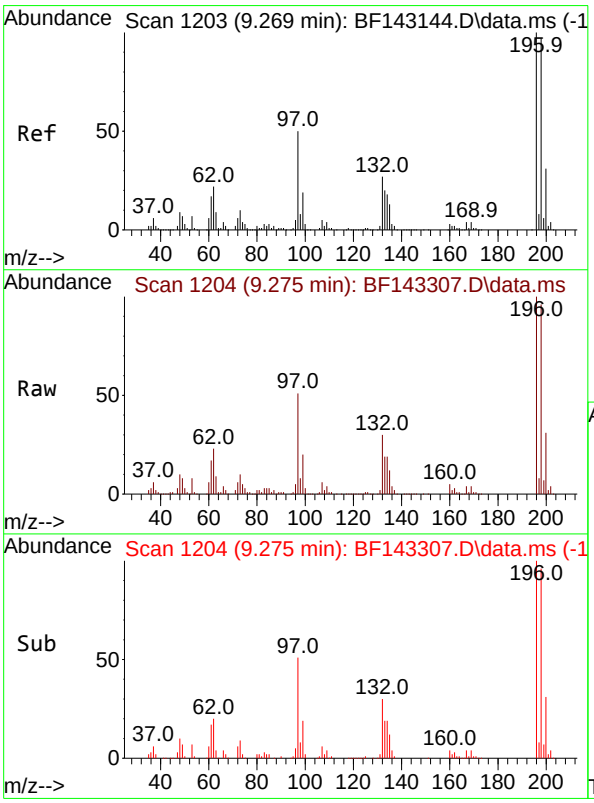
#43
2,4,6-Trichlorophenol
Concen: 42.421 ng
RT: 9.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:196 Resp: 196949

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.2	114.2
200	30.3	23.9	35.9

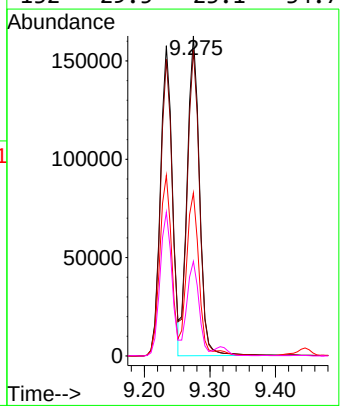


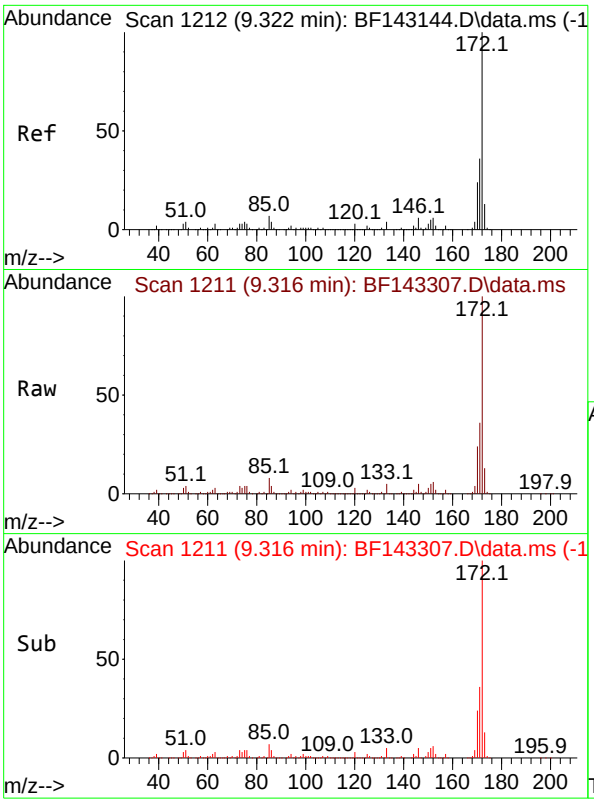


#44
2,4,5-Trichlorophenol
Concen: 45.607 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:196 Resp: 211805

Ion	Ratio	Lower	Upper
196	100		
198	95.7	77.3	115.9
97	50.9	40.3	60.5
132	29.5	23.1	34.7



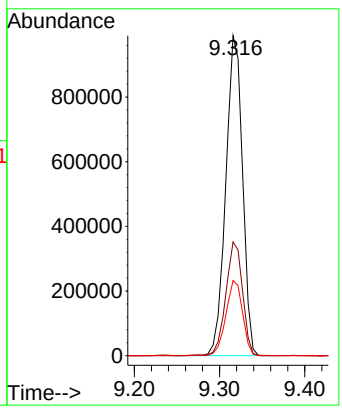


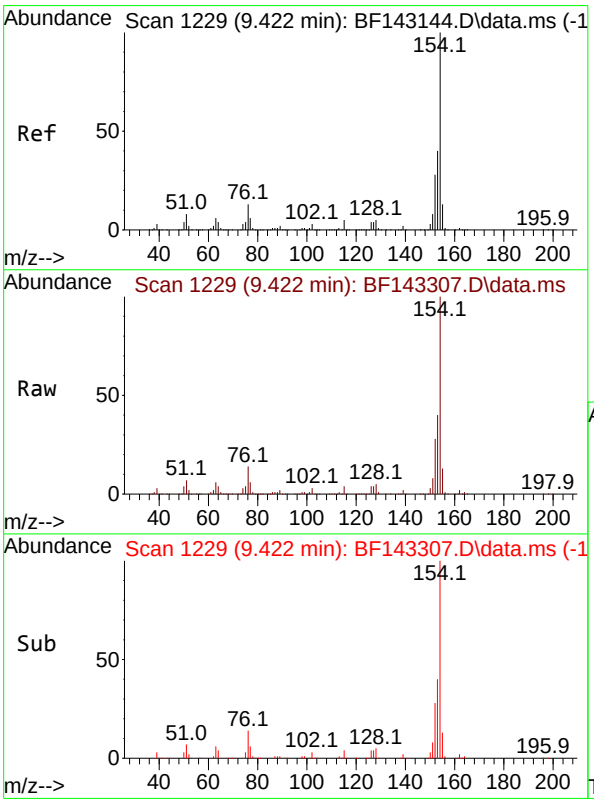
#45
2-Fluorobiphenyl
Concen: 79.409 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:172 Resp: 1349144

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.5	18.8	28.2

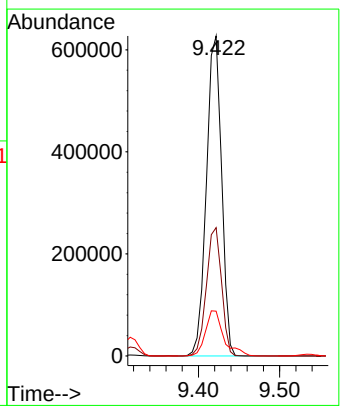


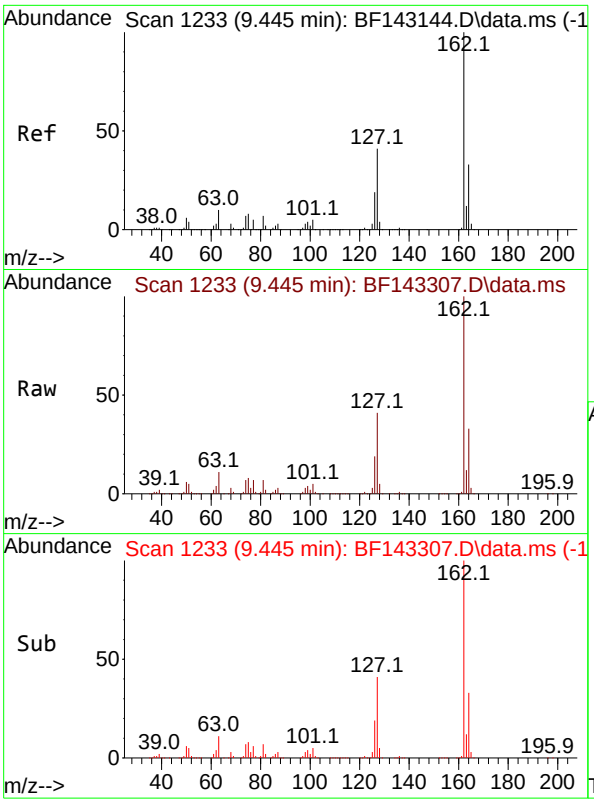


#46
1,1'-Biphenyl
Concen: 44.790 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:154 Resp: 811976

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.3	60.3
76	14.0	0.0	33.3



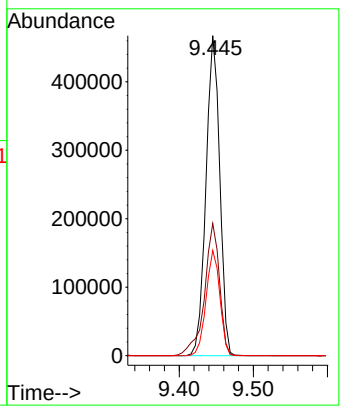


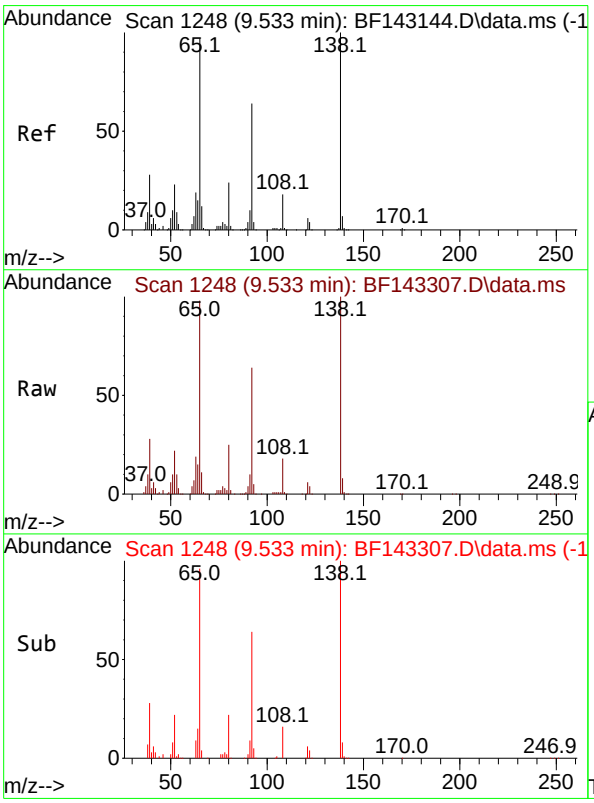
#47
2-Chloronaphthalene
Concen: 44.954 ng
RT: 9.445 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:162 Resp: 602995

Ion	Ratio	Lower	Upper
162	100		
127	41.3	33.4	50.2
164	32.8	26.2	39.2

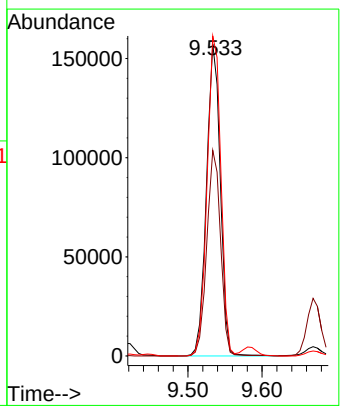


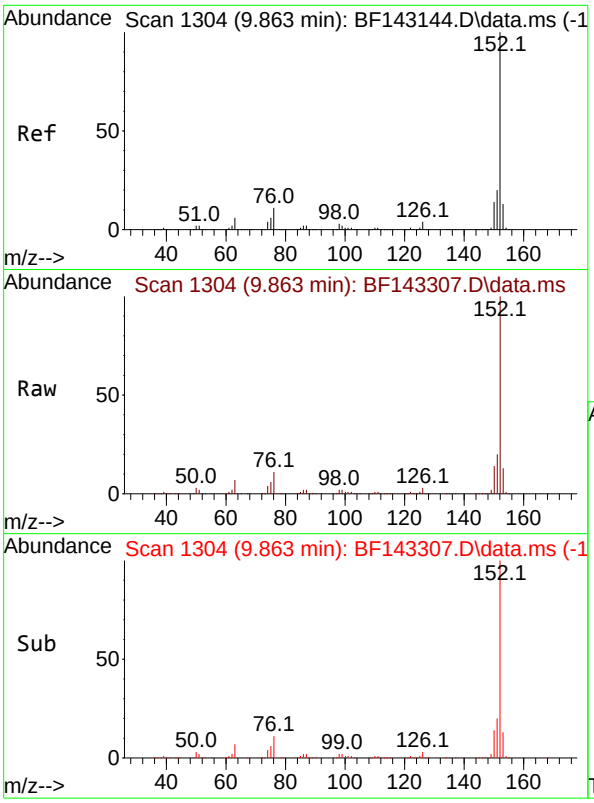


#48
2-Nitroaniline
Concen: 48.487 ng
RT: 9.533 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion: 65 Resp: 203961

Ion	Ratio	Lower	Upper
65	100		
92	65.9	52.4	78.6
138	102.5	82.3	123.5



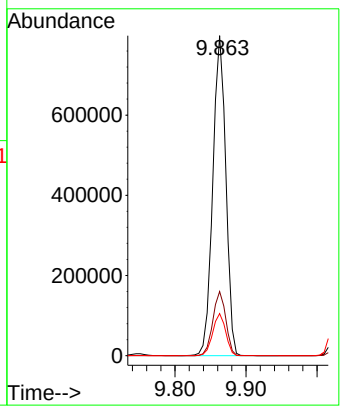


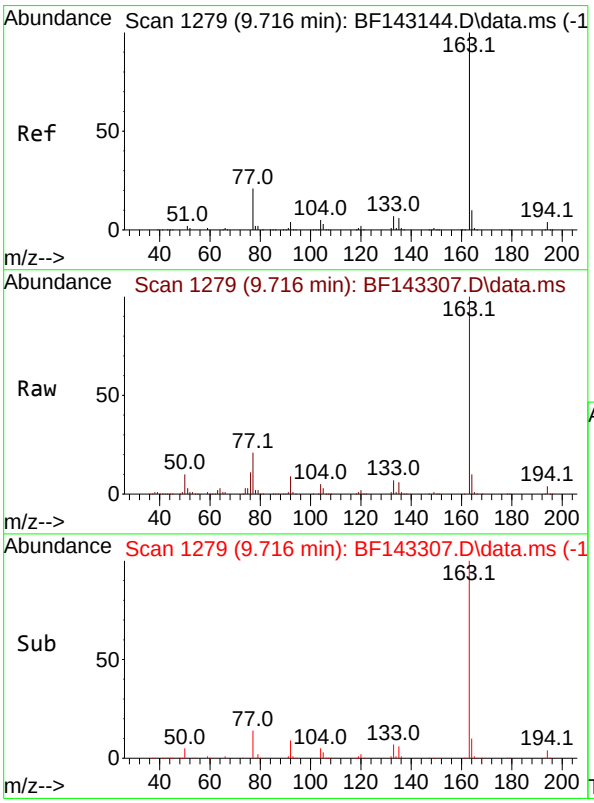
#49
Acenaphthylene
Concen: 45.215 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:152 Resp: 1016395

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2
153	13.1	10.6	16.0

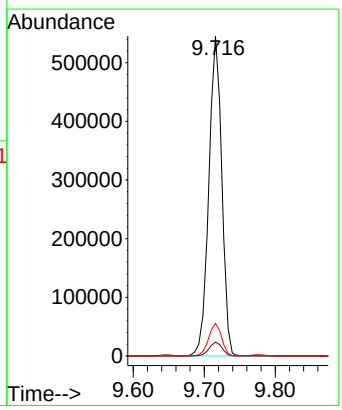


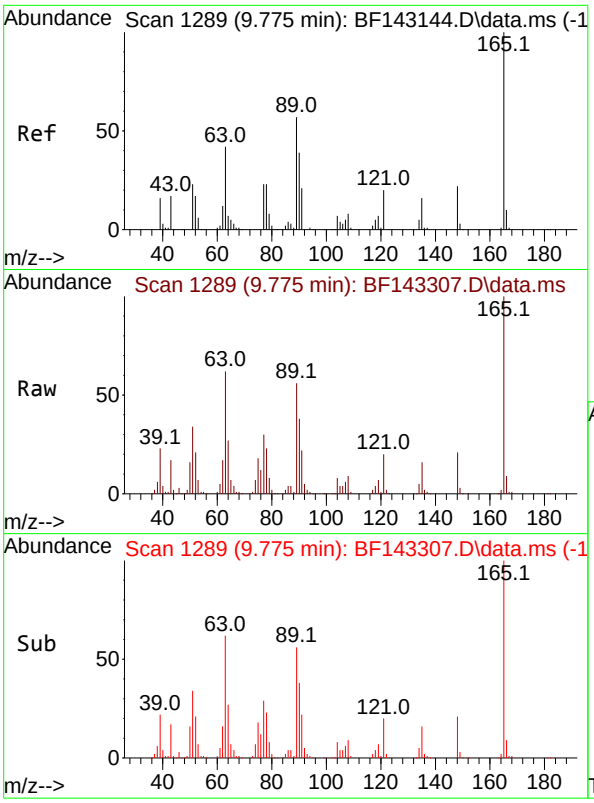


#50
Dimethylphthalate
Concen: 45.759 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:163 Resp: 693056

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.3	12.5



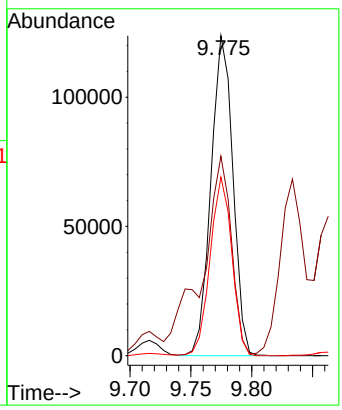


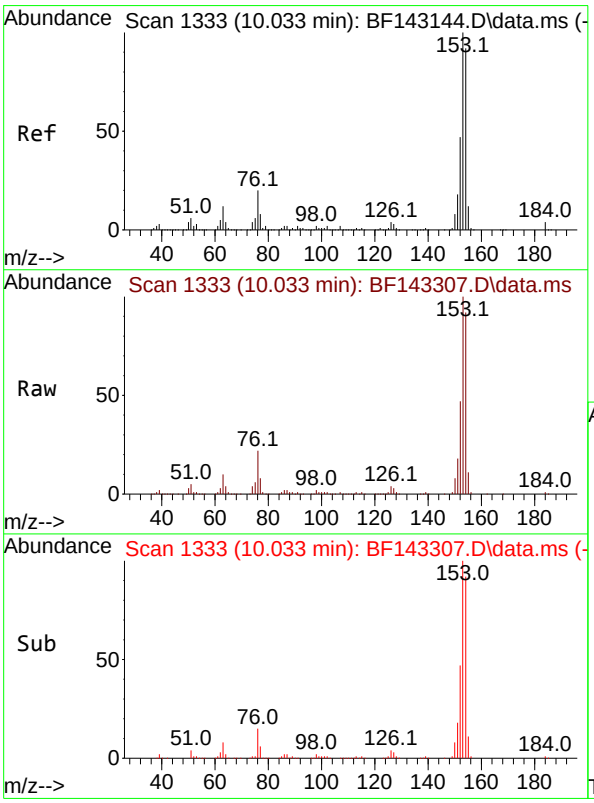
#51
2,6-Dinitrotoluene
Concen: 50.325 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:165 Resp: 155053

Ion	Ratio	Lower	Upper
165	100		
63	62.3	49.4	74.2
89	55.8	46.2	69.2

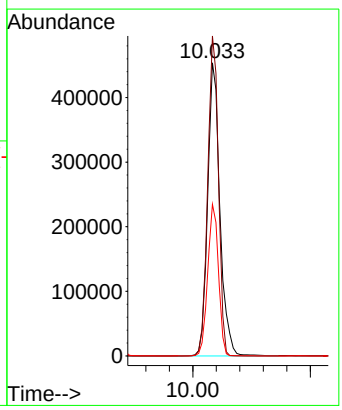


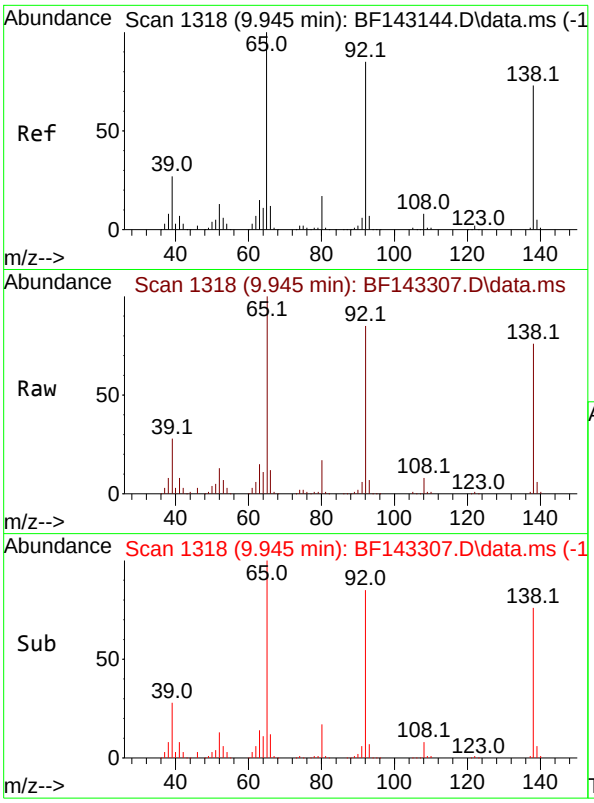


#52
Acenaphthene
Concen: 49.525 ng
RT: 10.033 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:154 Resp: 658002

Ion	Ratio	Lower	Upper
154	100		
153	109.2	86.6	129.8
152	51.8	40.4	60.6



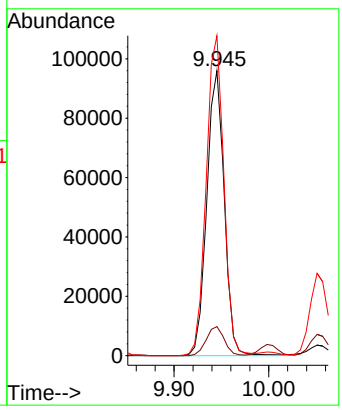


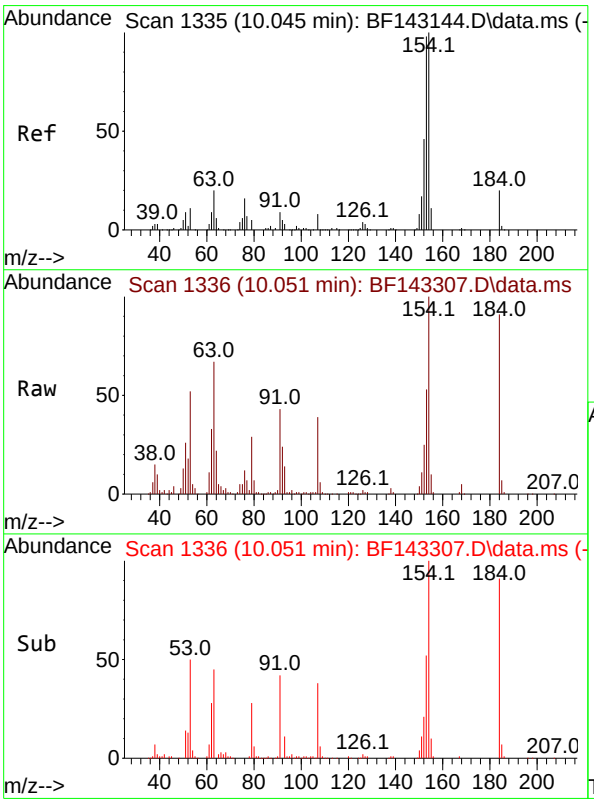
#53
3-Nitroaniline
Concen: 34.073 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:138 Resp: 122794

Ion	Ratio	Lower	Upper
138	100		
108	10.2	9.0	13.6
92	112.3	93.0	139.4

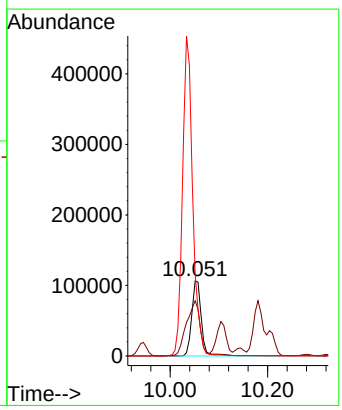


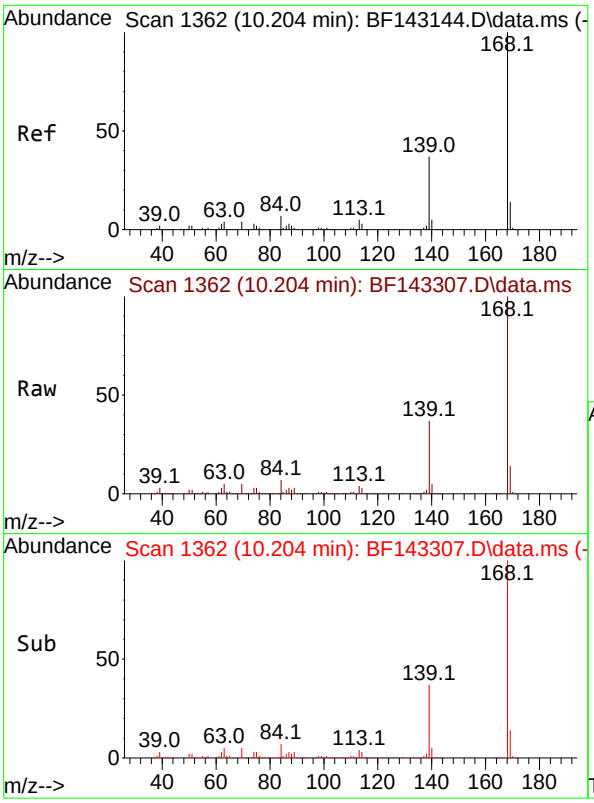


#54
2,4-Dinitrophenol
Concen: 103.867 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:184 Resp: 148070

Ion	Ratio	Lower	Upper
184	100		
63	73.6	81.8	122.6#
154	109.7	412.2	618.4#



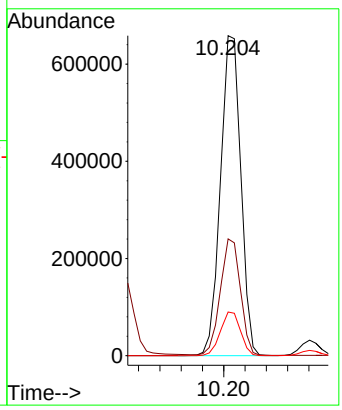


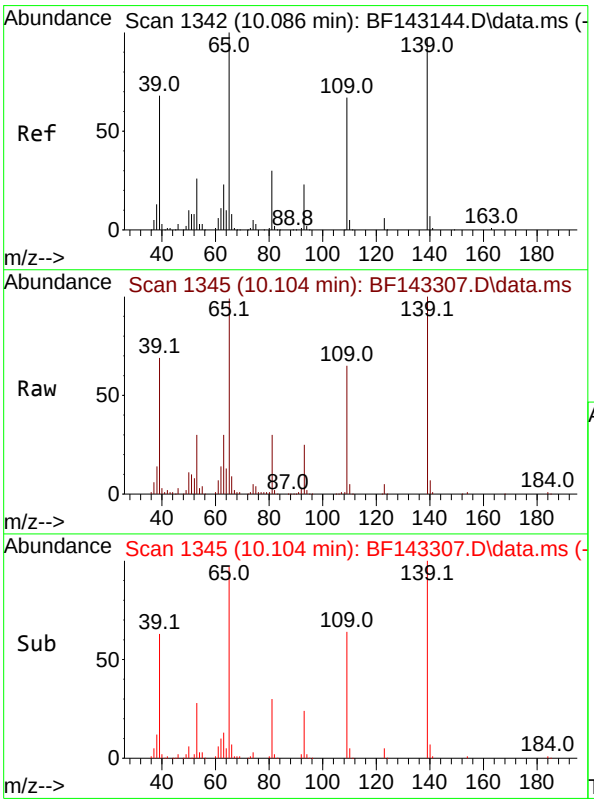
#55
Dibenzofuran
Concen: 44.203 ng
RT: 10.204 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:168 Resp: 871941

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.5	44.3
169	13.6	10.9	16.3

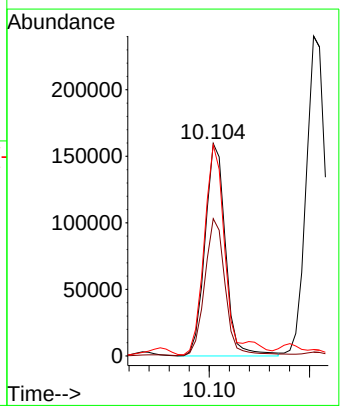


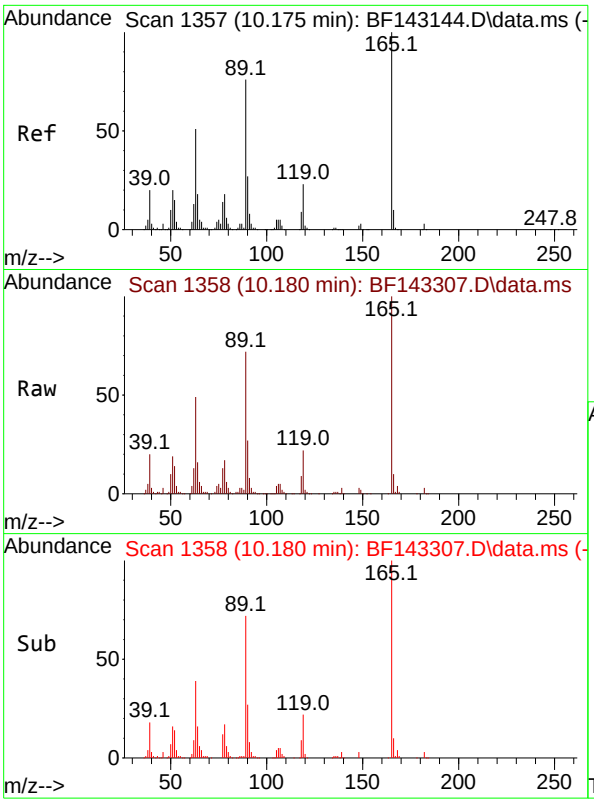


#56
4-Nitrophenol
Concen: 84.247 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:139 Resp: 226718

Ion	Ratio	Lower	Upper
139	100		
109	64.6	48.5	88.5
65	99.4	83.4	123.4



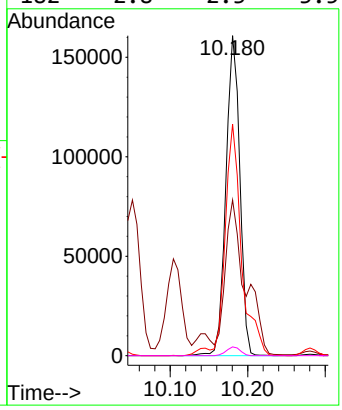


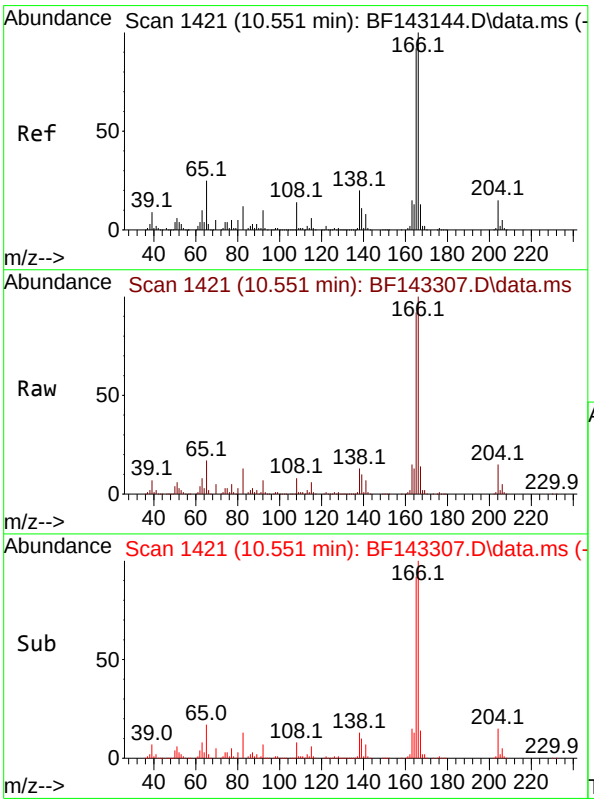
#57
2,4-Dinitrotoluene
Concen: 51.988 ng
RT: 10.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:165 Resp: 200962

Ion	Ratio	Lower	Upper
165	100		
63	48.7	41.0	61.4
89	72.3	61.1	91.7
182	2.8	2.3	3.5

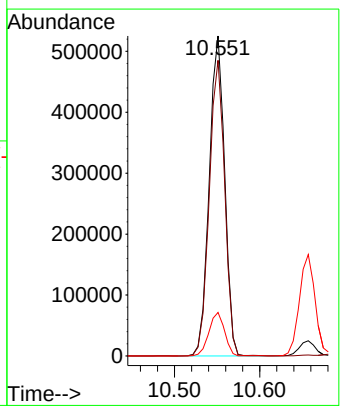


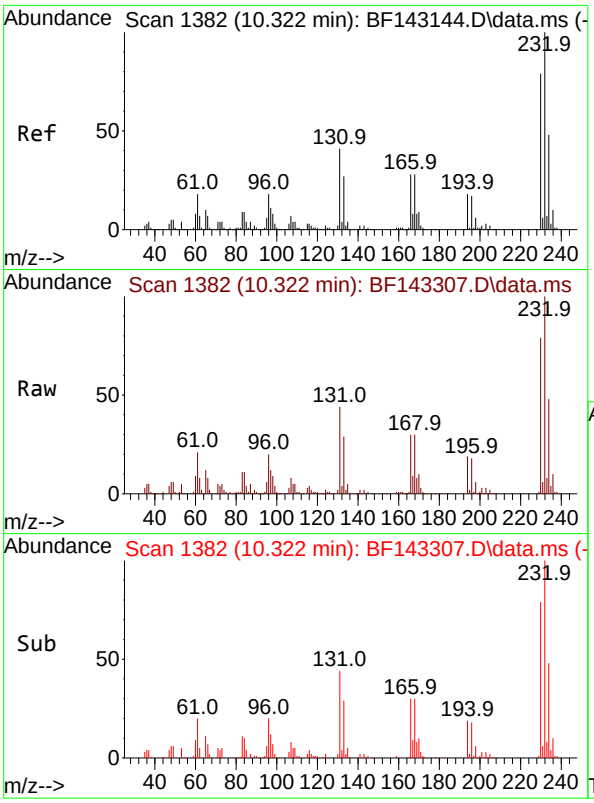


#58
Fluorene
Concen: 44.616 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:166 Resp: 660530

Ion	Ratio	Lower	Upper
166	100		
165	92.4	73.7	110.5
167	13.6	10.6	16.0



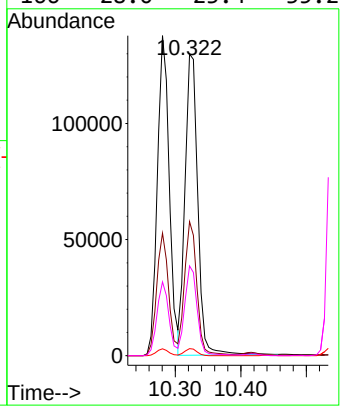


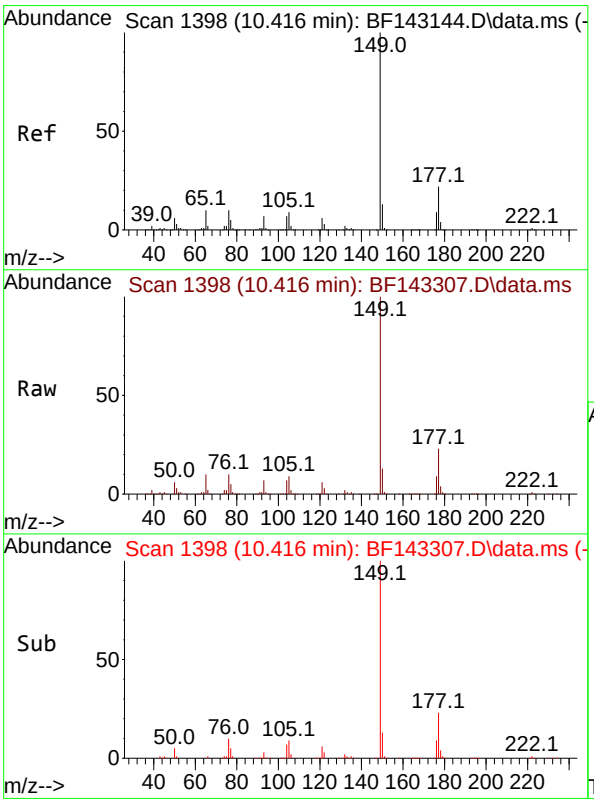
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.315 ng
RT: 10.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:232 Resp: 174330

Ion	Ratio	Lower	Upper
232	100		
131	42.7	35.3	52.9
130	2.2	1.7	2.5
166	28.0	23.4	35.2

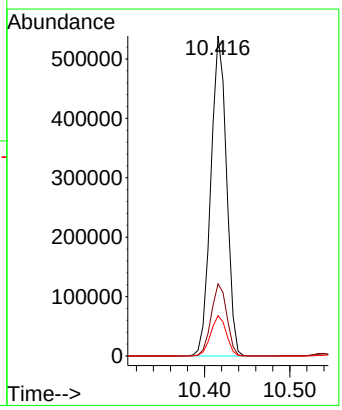


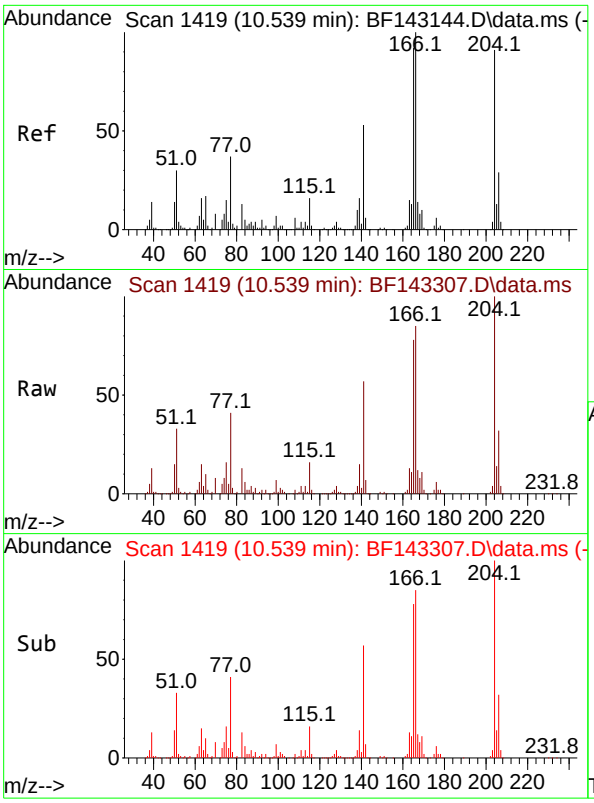


#60
Diethylphthalate
Concen: 46.018 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 688882

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.5	26.3
150	12.6	10.2	15.2



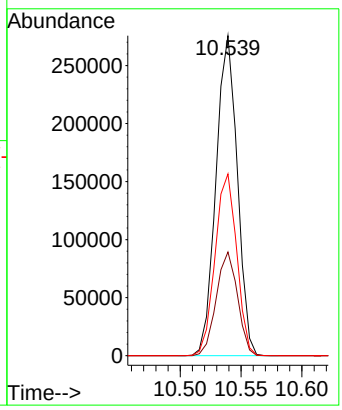


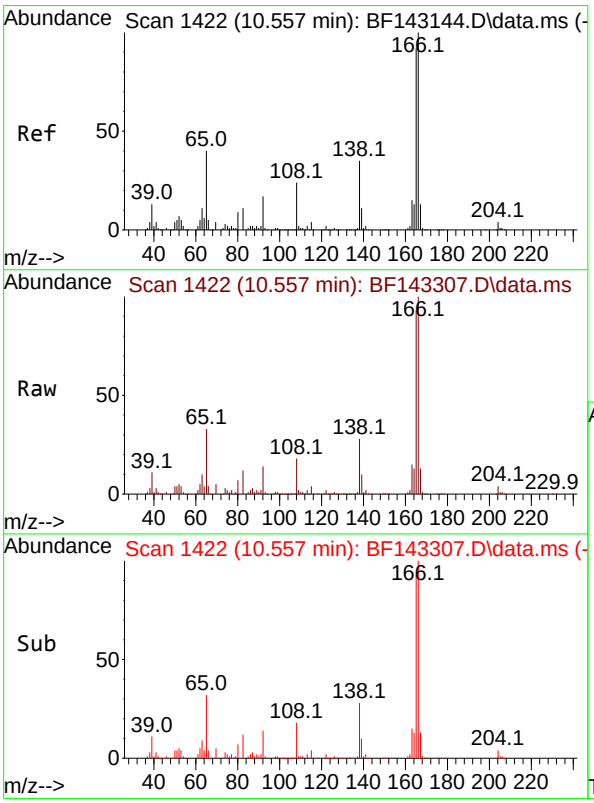
#61
4-Chlorophenyl-phenylether
Concen: 45.675 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:204 Resp: 336708

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	56.8	47.0	70.4

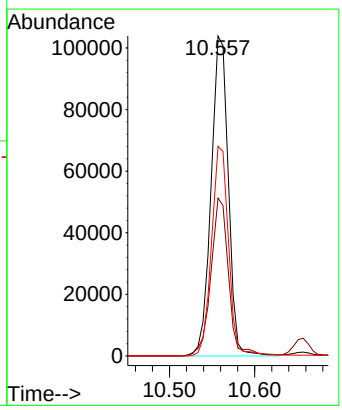


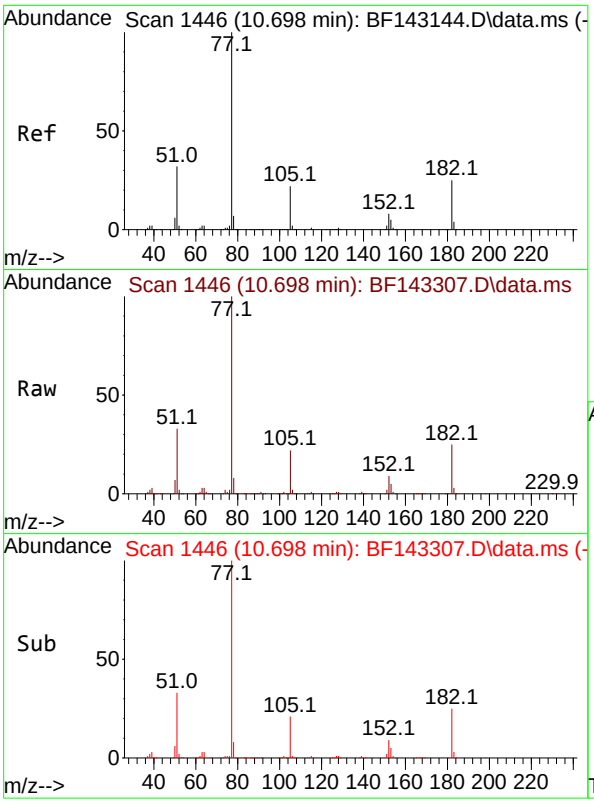


#62
4-Nitroaniline
Concen: 47.181 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:138 Resp: 145725

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	65.5	48.3	88.3



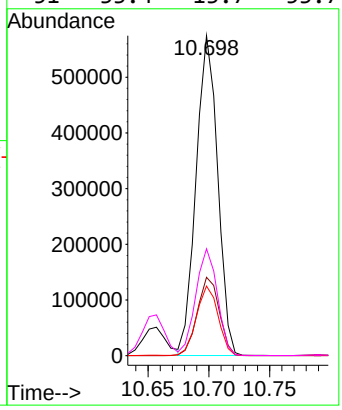


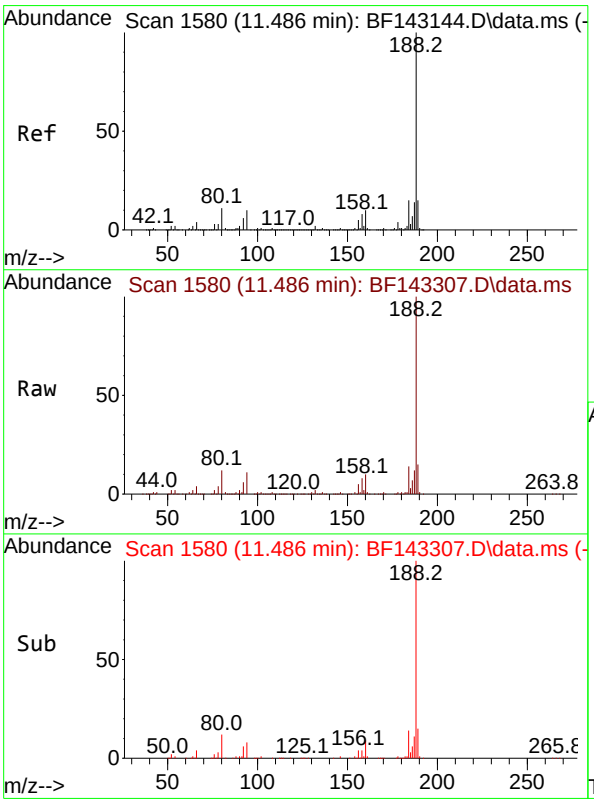
#63
Azobenzene
Concen: 45.484 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion: 77 Resp: 709639

Ion	Ratio	Lower	Upper
77	100		
182	24.5	4.6	44.6
105	21.8	1.4	41.4
51	33.4	13.7	53.7

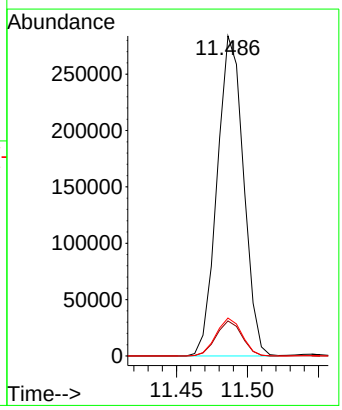


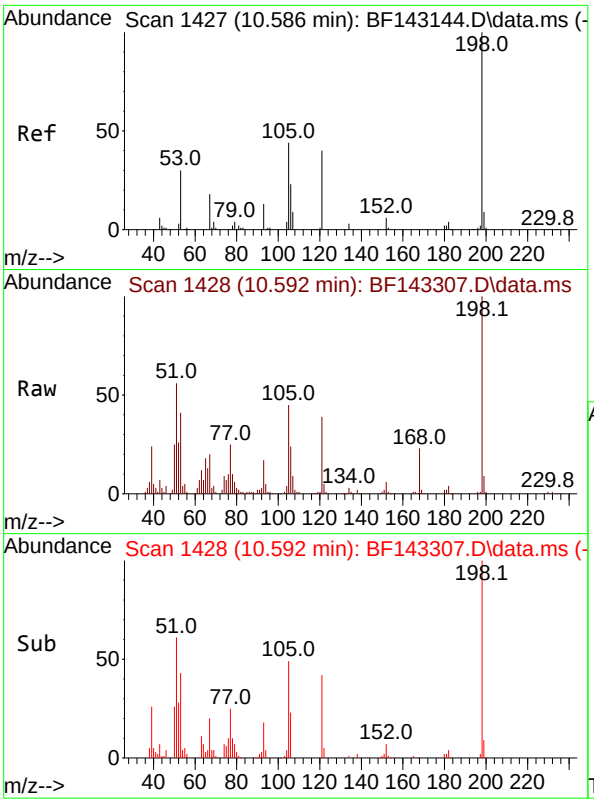


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:188 Resp: 366236

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.3	12.5
80	11.9	9.0	13.6



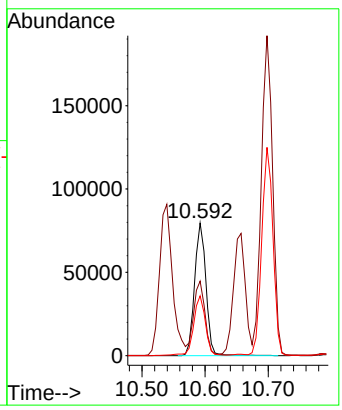


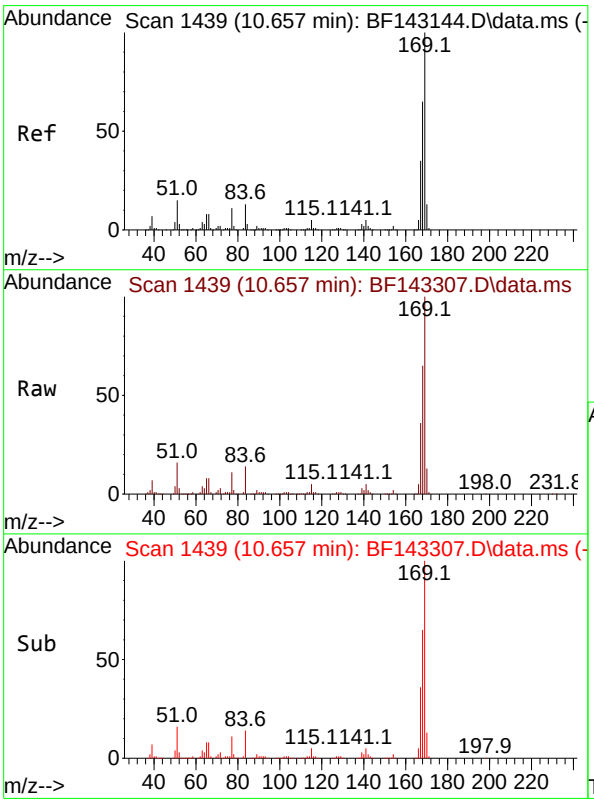
#65
4,6-Dinitro-2-methylphenol
Concen: 51.364 ng
RT: 10.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:198 Resp: 99435

Ion	Ratio	Lower	Upper
198	100		
51	56.3	37.2	77.2
105	45.1	24.8	64.8

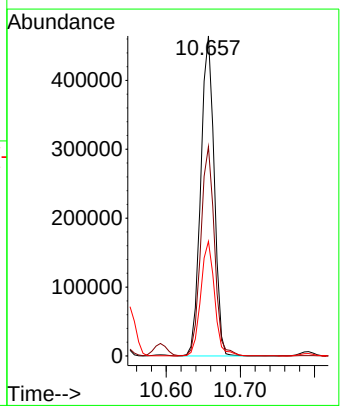


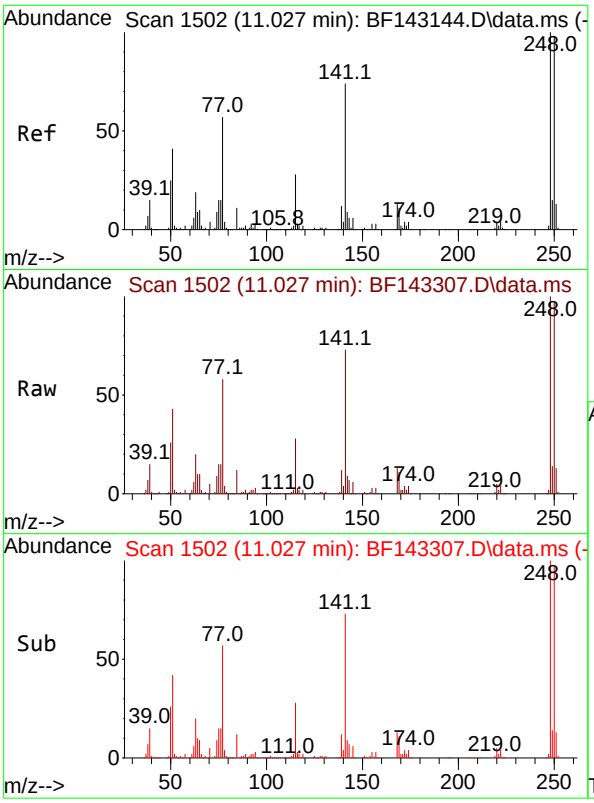


#66
n-Nitrosodiphenylamine
Concen: 45.635 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:169 Resp: 588520

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.1	78.1
167	35.8	28.2	42.2



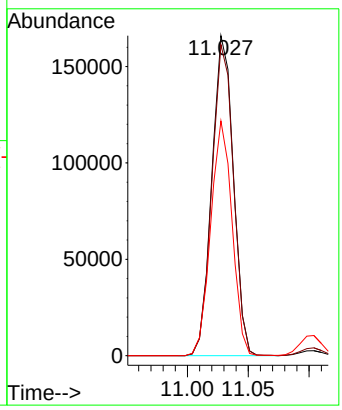


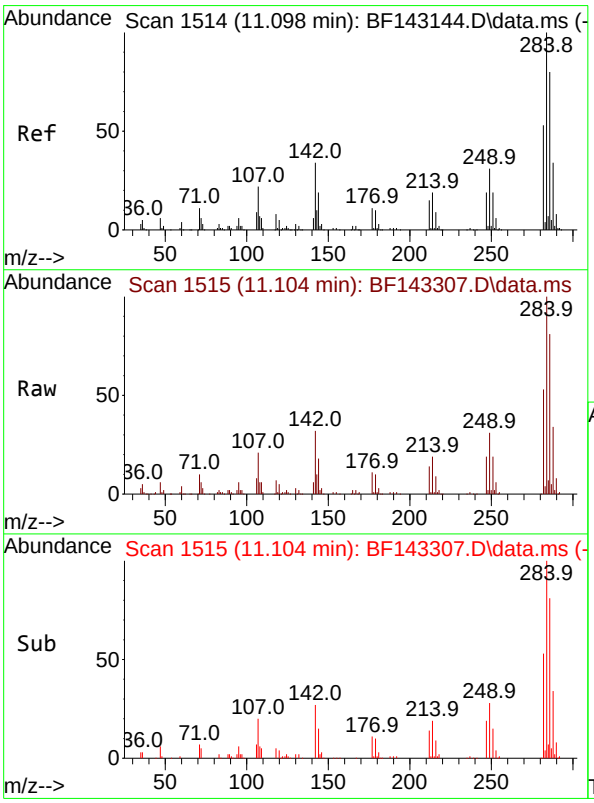
#67
4-Bromophenyl-phenylether
Concen: 46.870 ng
RT: 11.027 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:248 Resp: 204566

Ion	Ratio	Lower	Upper
248	100		
250	97.2	78.3	117.5
141	73.4	59.2	88.8

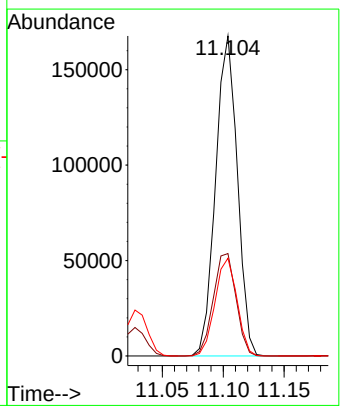


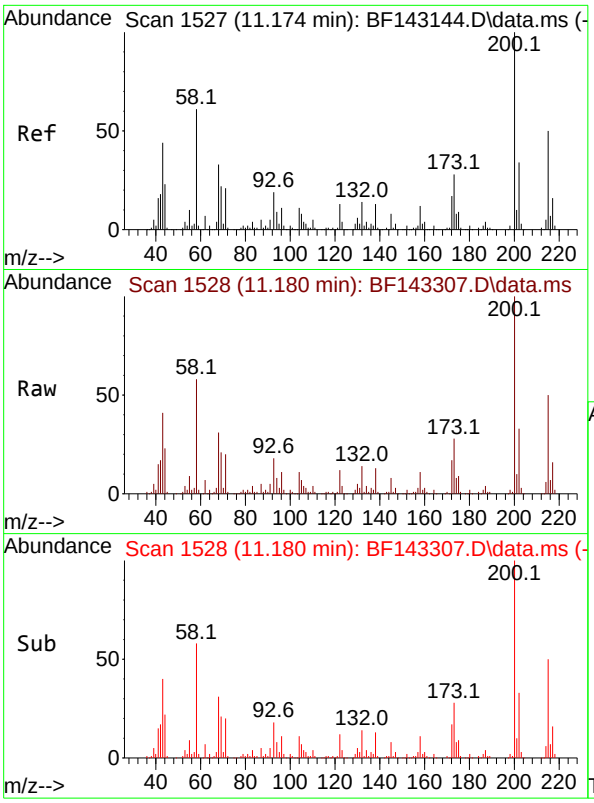


#68
Hexachlorobenzene
Concen: 45.728 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:284 Resp: 208607

Ion	Ratio	Lower	Upper
284	100		
142	32.0	27.0	40.6
249	30.6	25.0	37.6



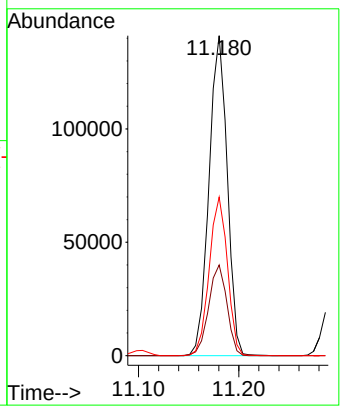


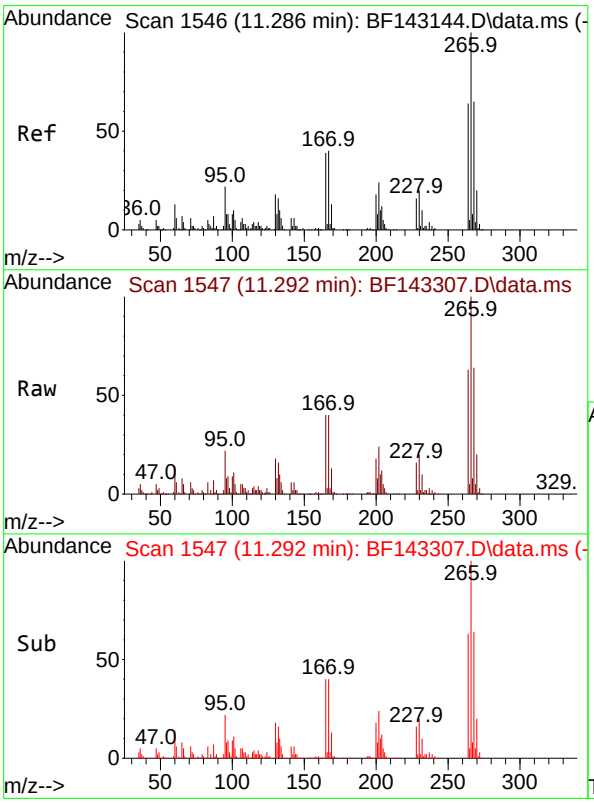
#69
Atrazine
Concen: 50.150 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:200 Resp: 178303

Ion	Ratio	Lower	Upper
200	100		
173	28.3	7.9	47.9
215	49.5	30.1	70.1

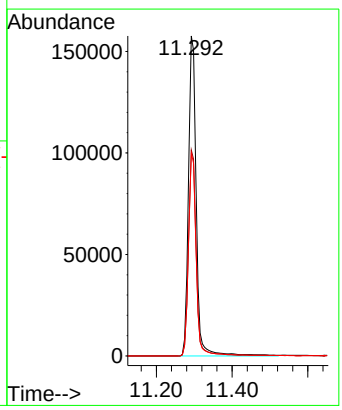


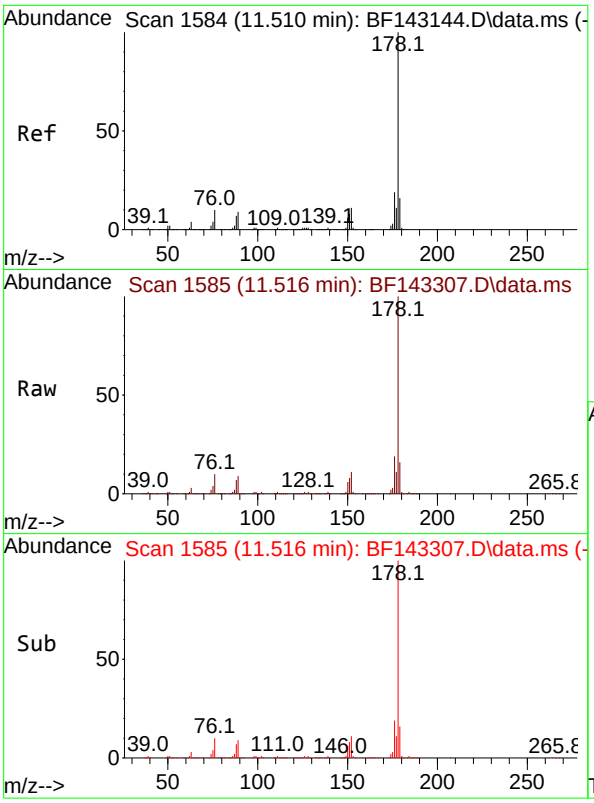


#70
Pentachlorophenol
Concen: 83.847 ng
RT: 11.292 min Scan# 1547
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:266 Resp: 224940

Ion	Ratio	Lower	Upper
266	100		
268	64.3	51.9	77.9
264	63.5	51.0	76.6



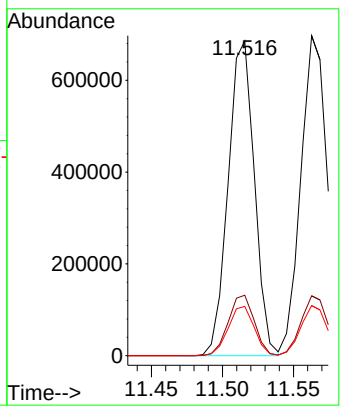


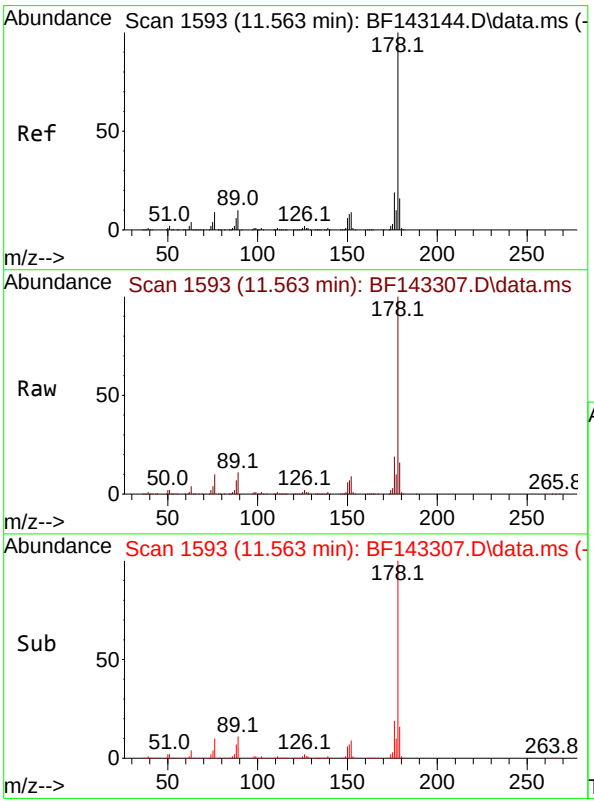
#71
Phenanthrene
Concen: 45.356 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:178 Resp: 881990

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.6	12.5	18.7

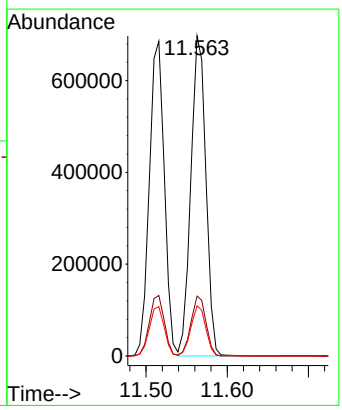


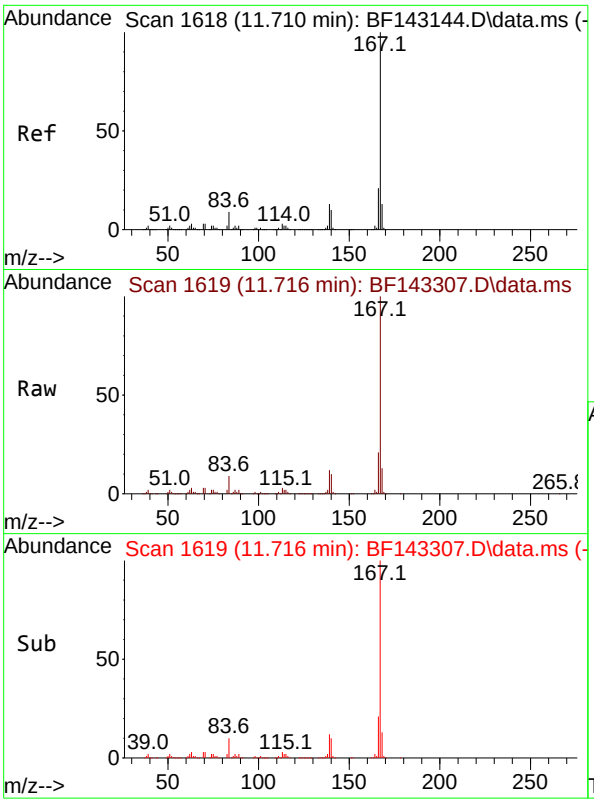


#72
Anthracene
Concen: 45.272 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:178 Resp: 897867

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.4
179	15.6	12.5	18.7



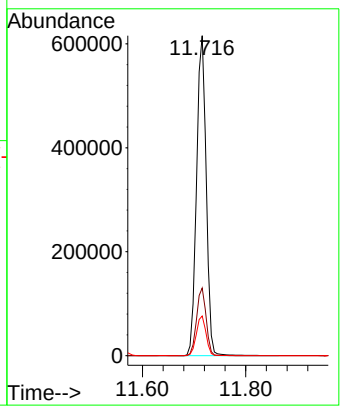


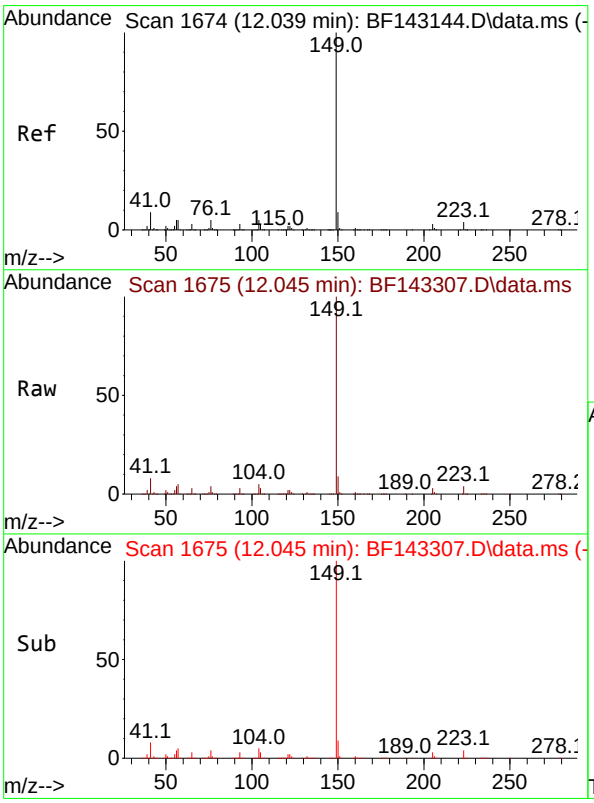
#73
Carbazole
Concen: 45.901 ng
RT: 11.716 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:167 Resp: 794899

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.4	10.0	15.0

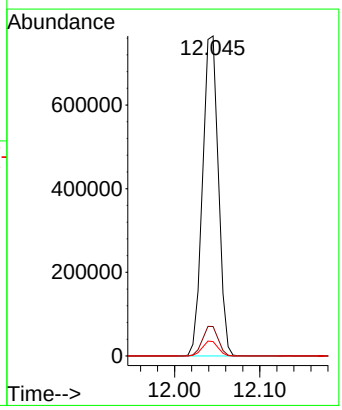


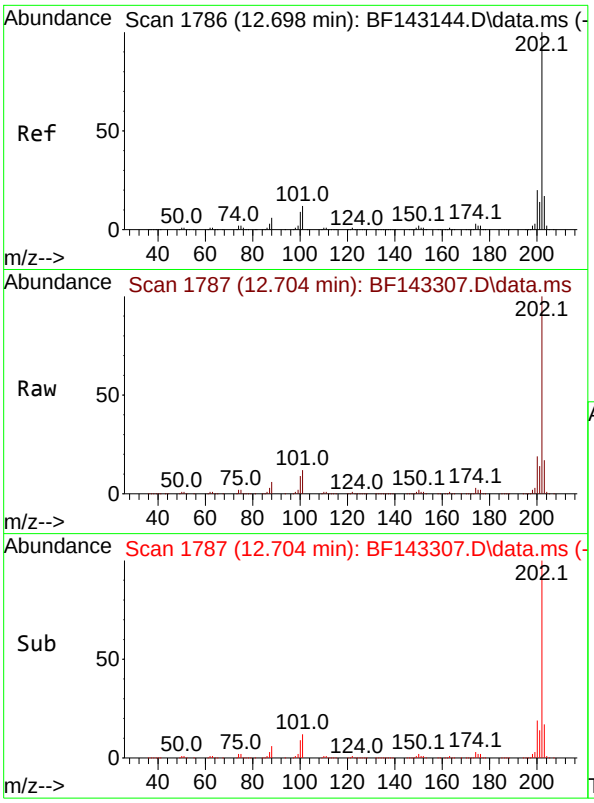


#74
Di-n-butylphthalate
Concen: 50.294 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 985524

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.2
104	4.5	3.8	5.8



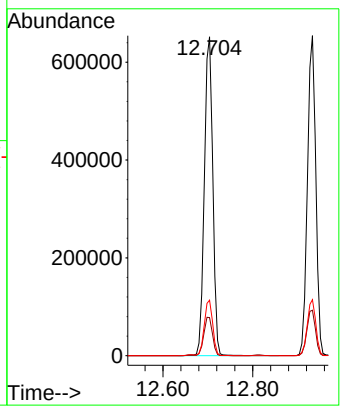


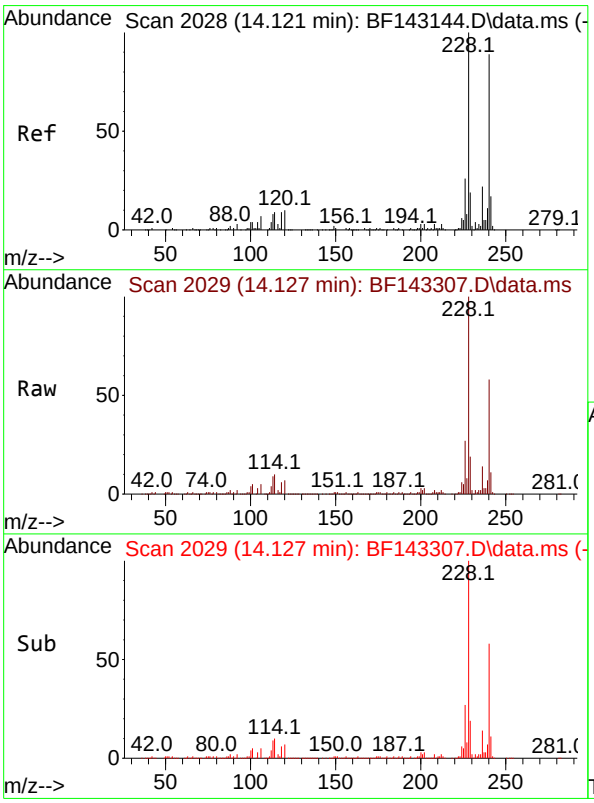
#75
Fluoranthene
Concen: 47.646 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:202 Resp: 850431

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.7
203	17.4	0.0	37.4

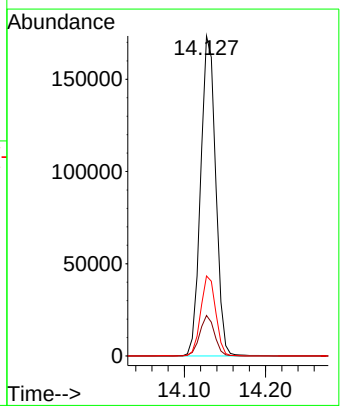


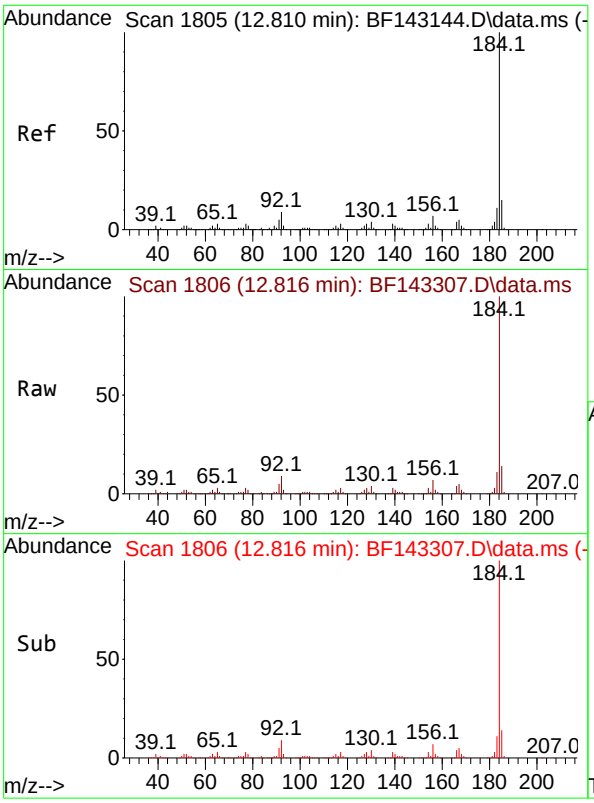


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:240 Resp: 223170

Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.4	14.2
236	25.0	20.2	30.4



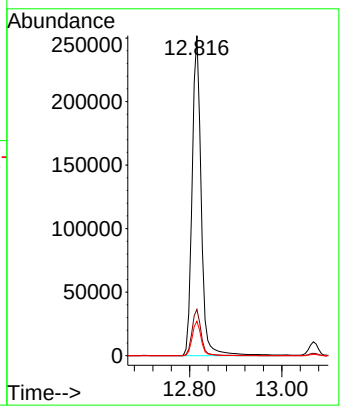


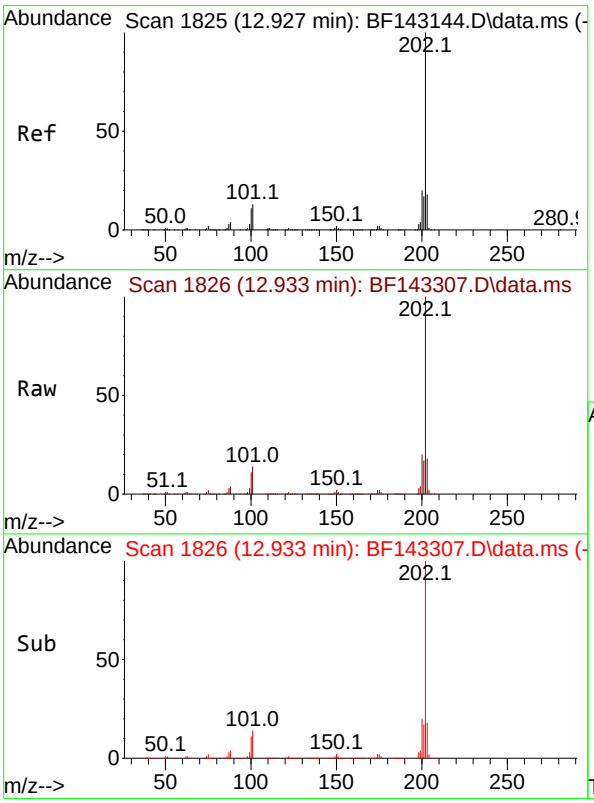
#77
Benzidine
Concen: 39.905 ng
RT: 12.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:184 Resp: 343105

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.2	18.4
183	10.8	9.0	13.4

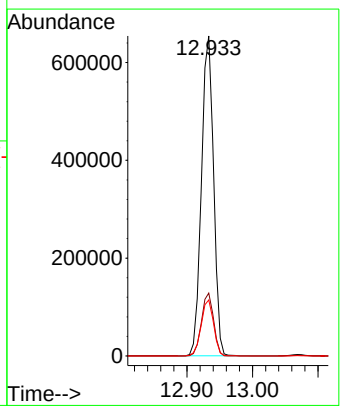


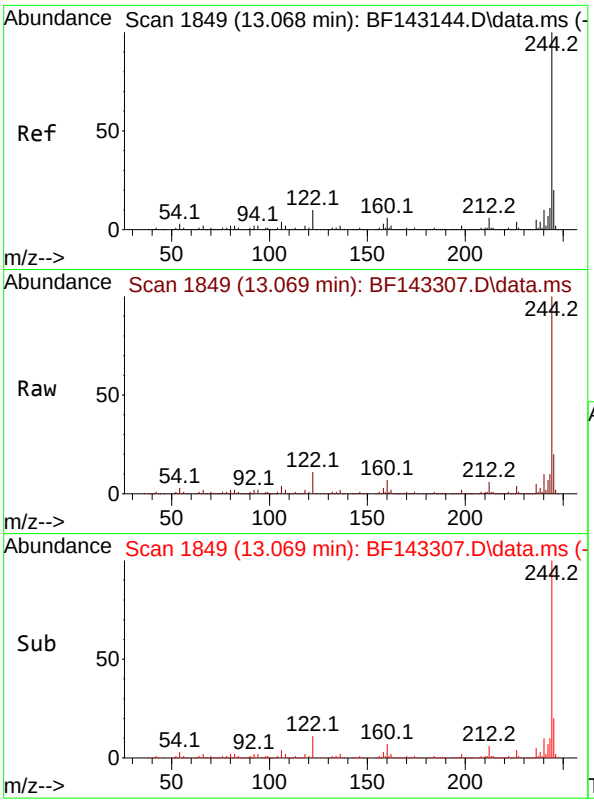


#78
Pyrene
Concen: 44.329 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:202 Resp: 844315

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.7	23.5
203	17.5	14.2	21.2



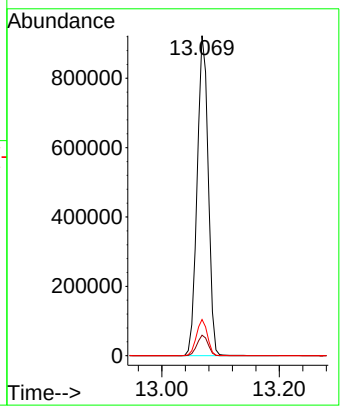


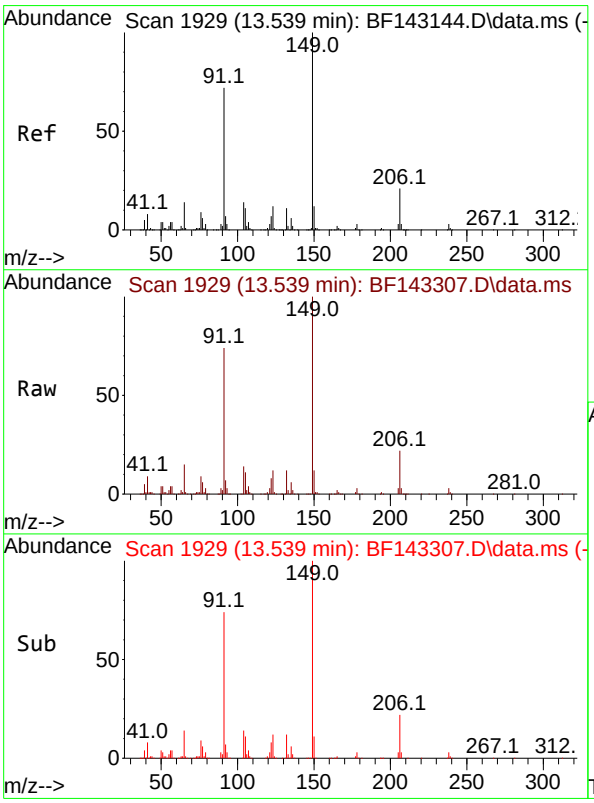
#79
Terphenyl-d14
Concen: 80.342 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:244 Resp: 1204878

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.3	8.2	12.2

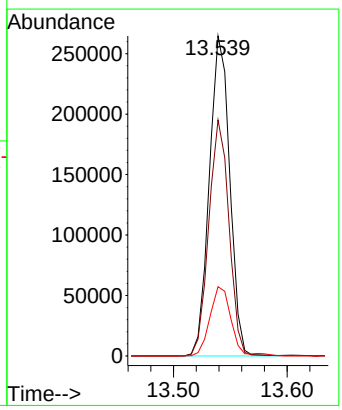


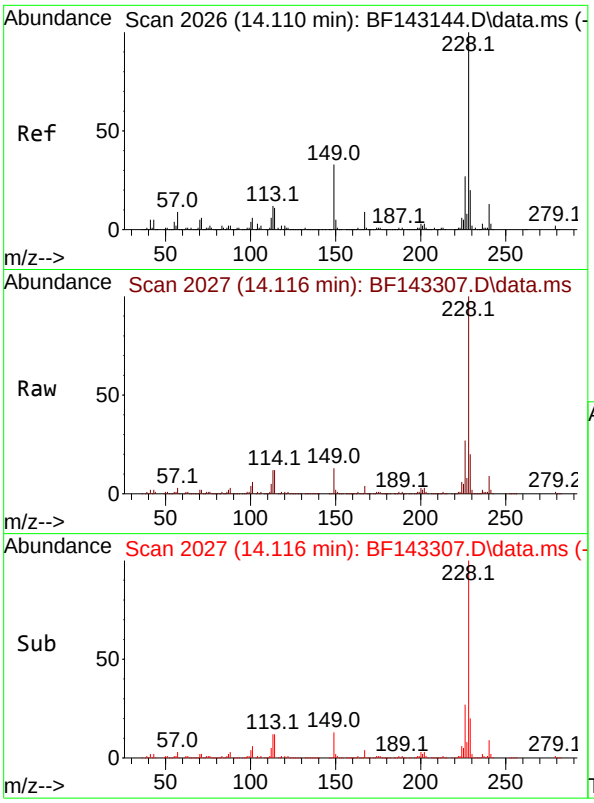


#80
Butylbenzylphthalate
Concen: 56.680 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 330575

Ion	Ratio	Lower	Upper
149	100		
91	73.8	57.9	86.9
206	21.7	17.0	25.4



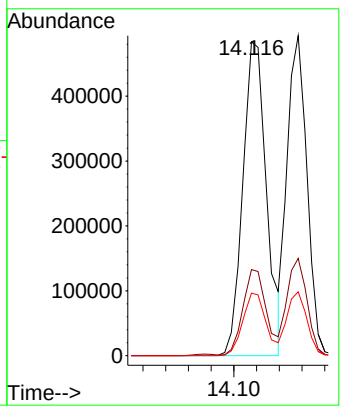


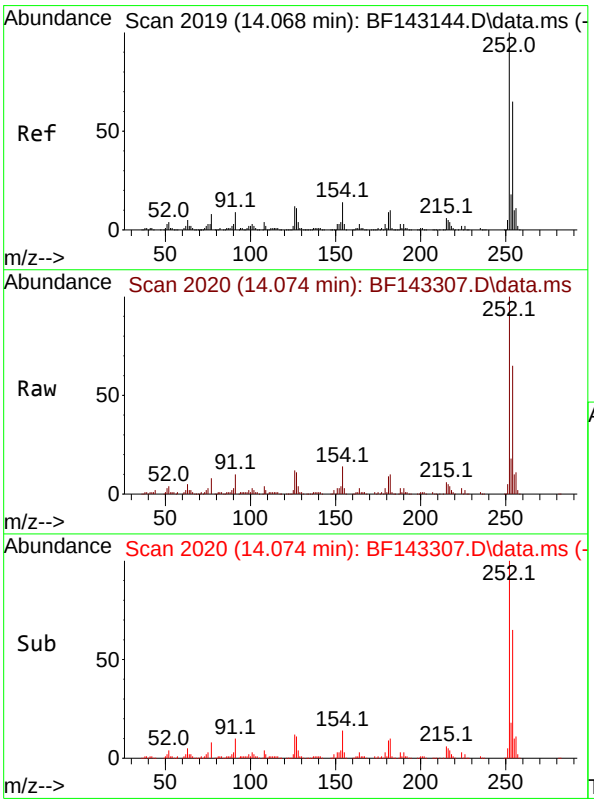
#81
Benzo(a)anthracene
Concen: 46.891 ng
RT: 14.116 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:228 Resp: 700613

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.0	15.8	23.6

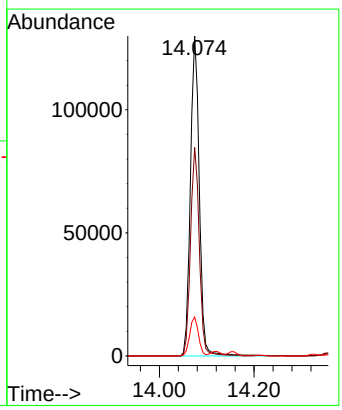


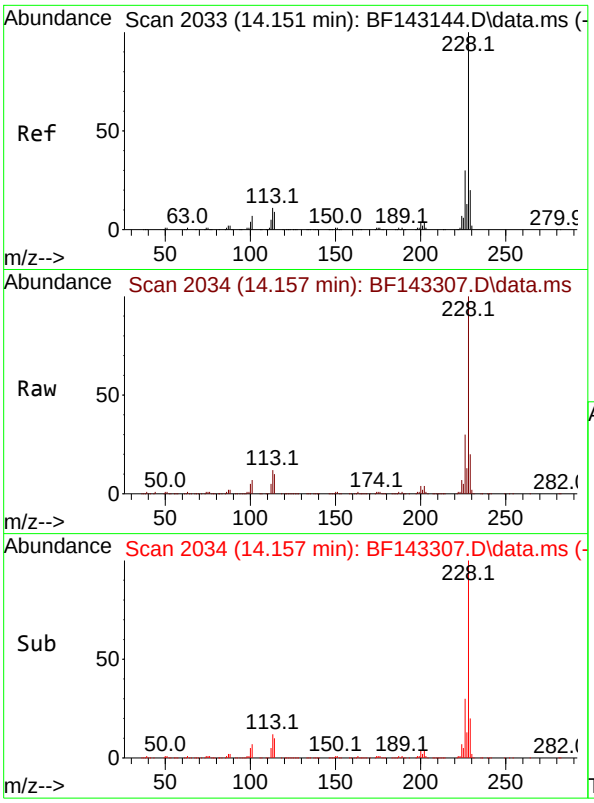


#82
3,3'-Dichlorobenzidine
Concen: 34.132 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:252 Resp: 169971

Ion	Ratio	Lower	Upper
252	100		
254	65.1	51.7	77.5
126	12.2	9.4	14.0



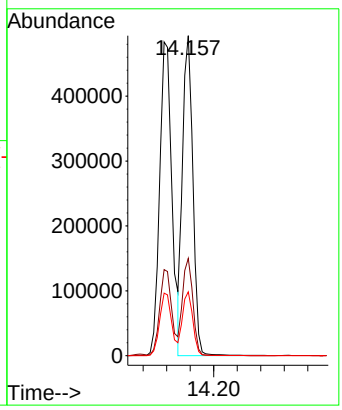


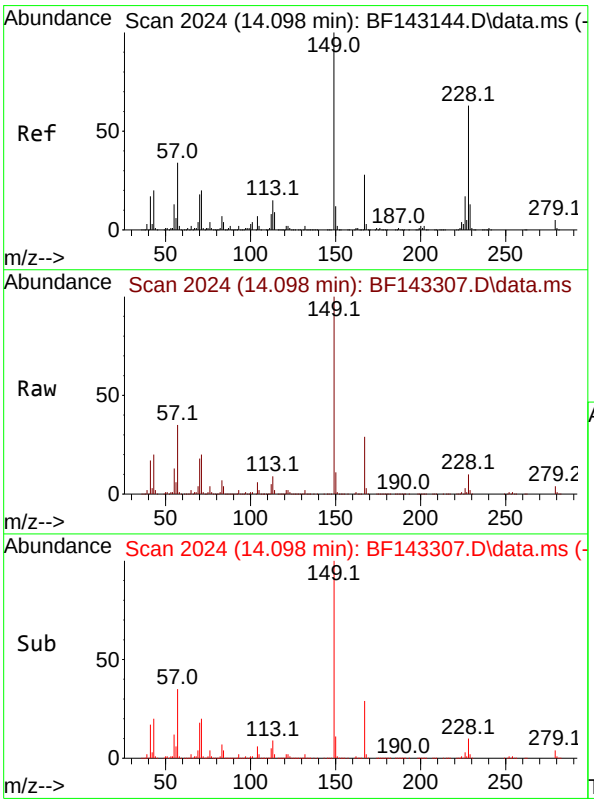
#83
Chrysene
Concen: 44.779 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:228 Resp: 601537

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.8	35.8
229	19.9	15.6	23.4

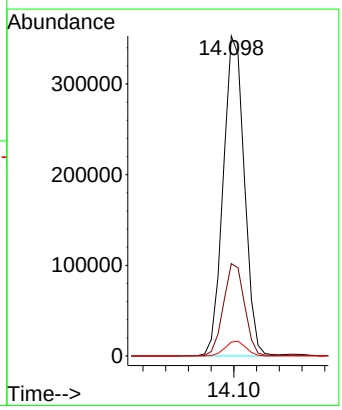


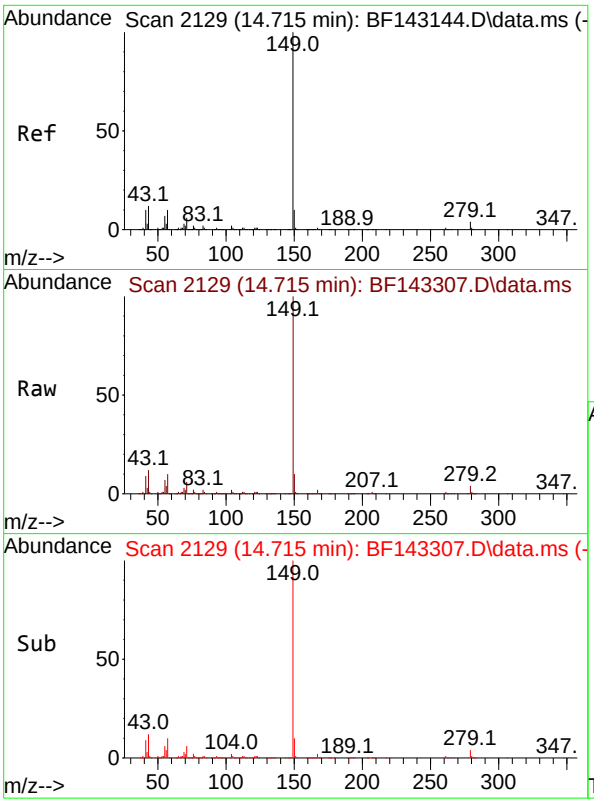


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.650 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:149 Resp: 455949

Ion	Ratio	Lower	Upper
149	100		
167	28.9	22.3	33.5
279	4.3	3.6	5.4



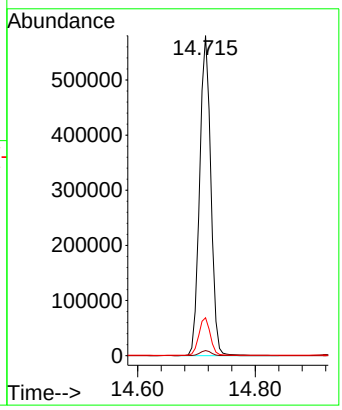


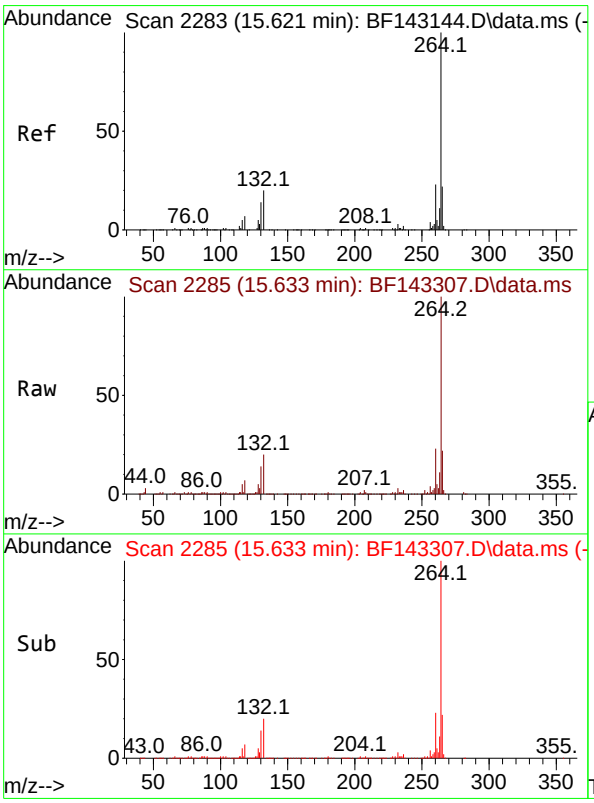
#85
Di-n-octyl phthalate
Concen: 47.779 ng
RT: 14.715 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:149 Resp: 764520

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7#
43	12.0	9.7	14.5

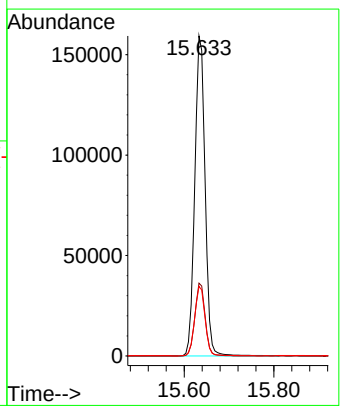


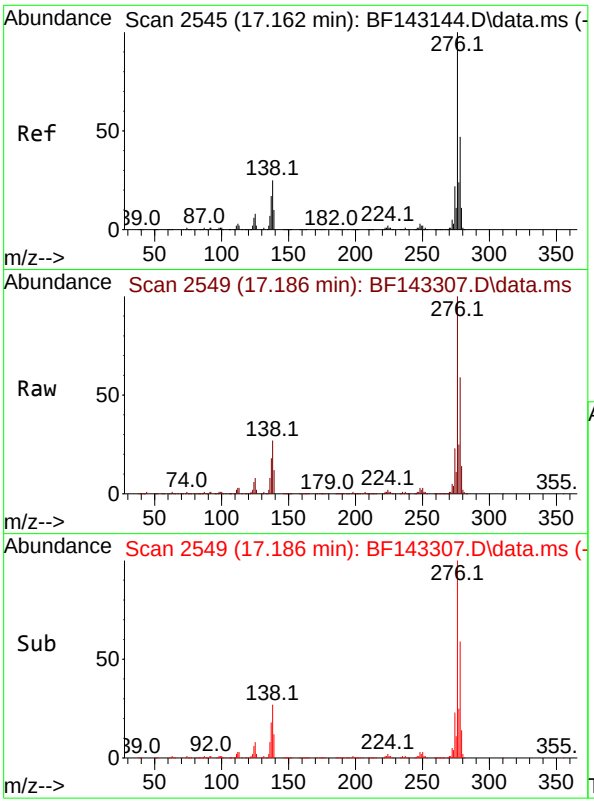


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:264 Resp: 254386

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.7	17.4	26.2



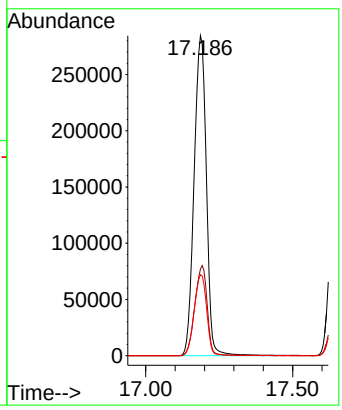


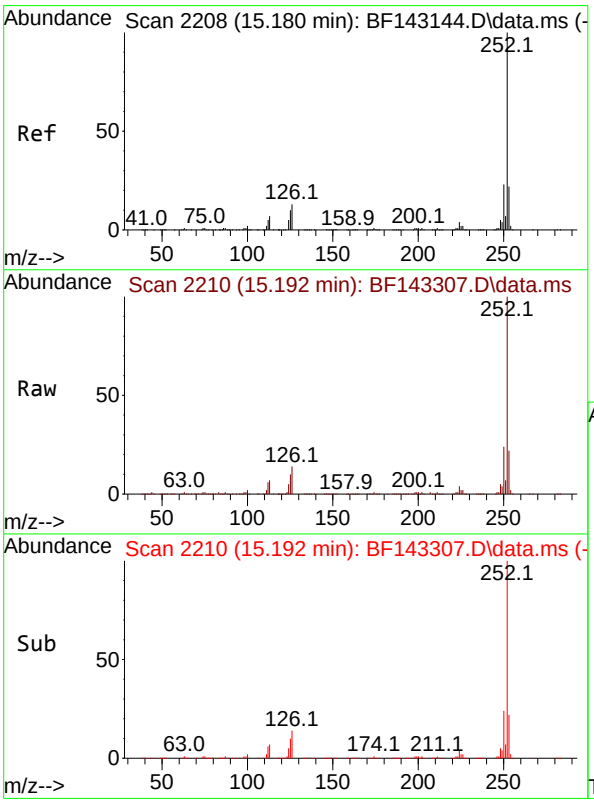
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.927 ng
RT: 17.186 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:276 Resp: 823824

Ion	Ratio	Lower	Upper
276	100		
138	28.4	21.8	32.6
277	25.7	20.0	30.0

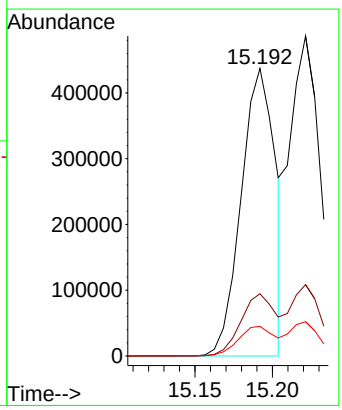


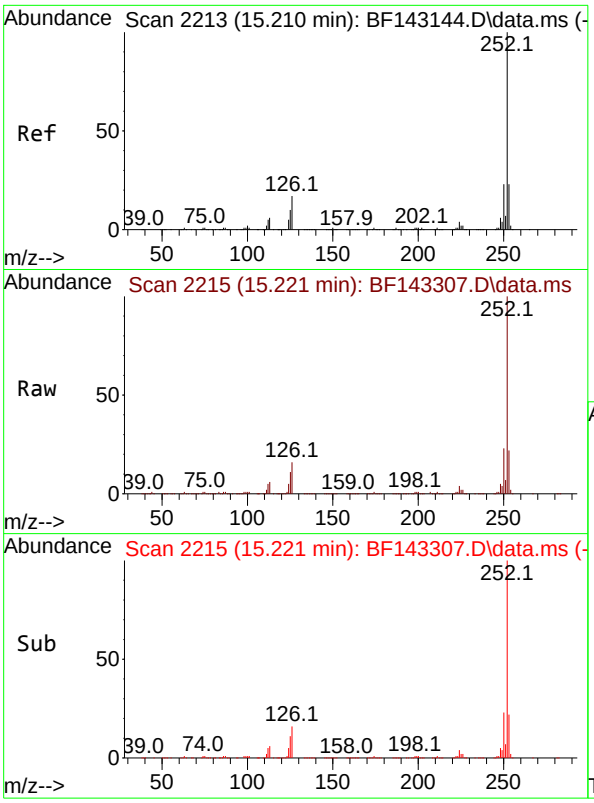


#88
Benzo(b)fluoranthene
Concen: 42.865 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:252 Resp: 666144

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.3	8.0	12.0



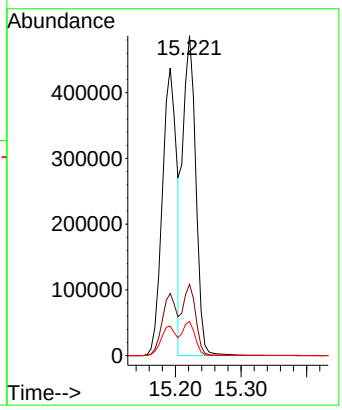


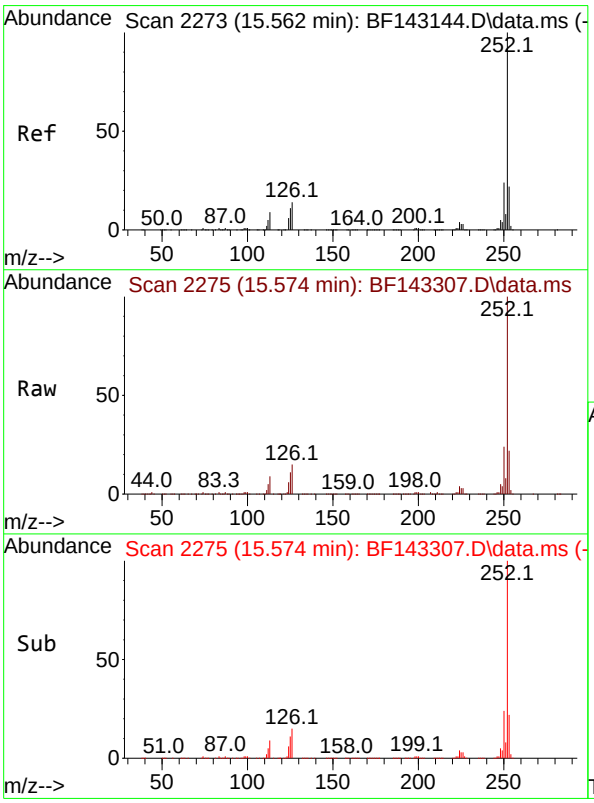
#89
Benzo(k)fluoranthene
Concen: 48.315 ng
RT: 15.221 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:252 Resp: 670019

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.7	8.1	12.1

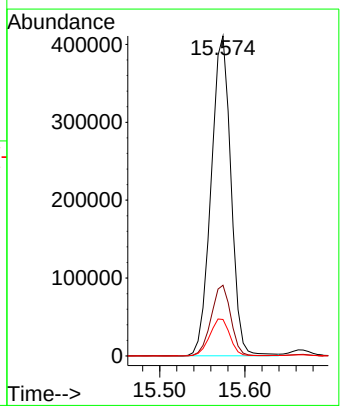


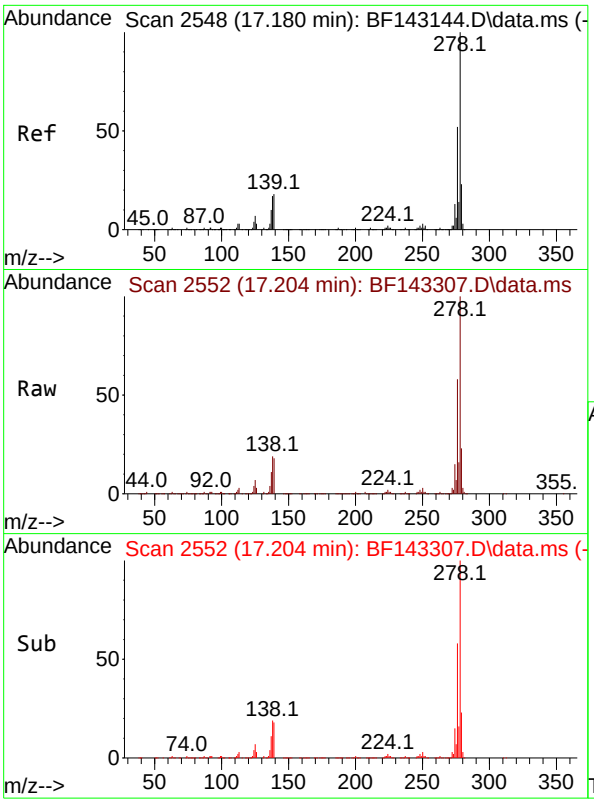


#90
Benzo(a)pyrene
Concen: 46.330 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:252 Resp: 663370

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	11.4	8.6	13.0



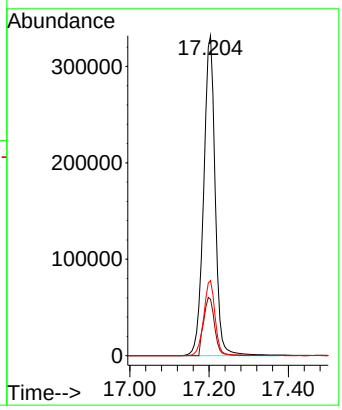


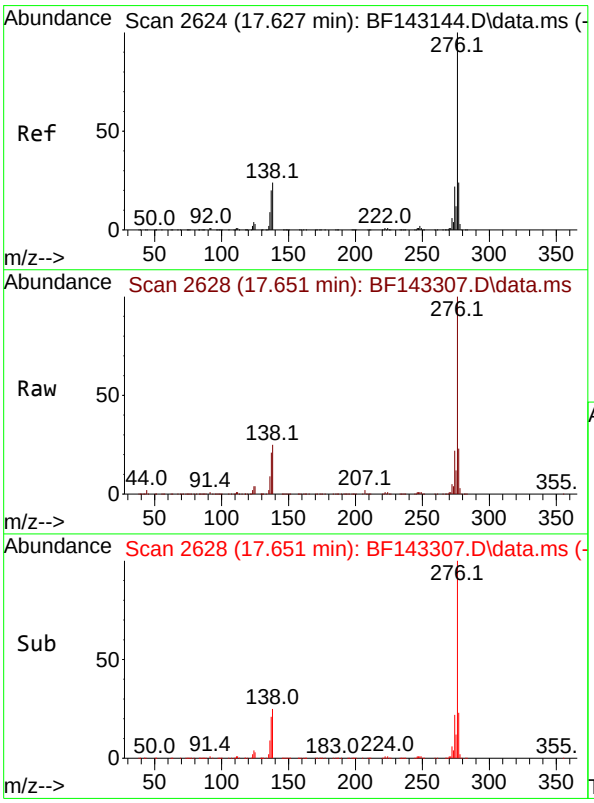
#91
Dibenzo(a,h)anthracene
Concen: 45.952 ng
RT: 17.204 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Instrument :
BNA_F
ClientSampleId :
PB169095BS

Tgt Ion:278 Resp: 670907

Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.1	21.1
279	23.4	18.6	28.0

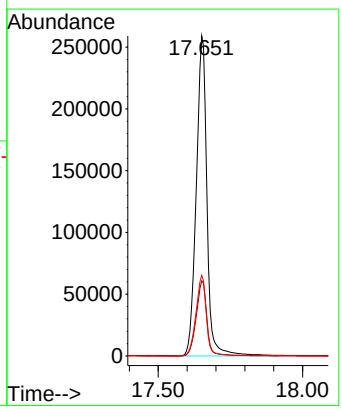




#92
Benzo(g,h,i)perylene
Concen: 47.170 ng
RT: 17.651 min Scan# 2628
Delta R.T. 0.024 min
Lab File: BF143307.D
Acq: 05 Aug 2025 10:58

Tgt Ion:276 Resp: 666185

Ion	Ratio	Lower	Upper
276	100		
277	23.5	19.1	28.7
138	25.2	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143308.D
Acq On : 05 Aug 2025 11:34
Operator : RC/JU
Sample : Q2747-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Quant Time: Aug 05 12:12:36 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	122190	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	464994	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	232438	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	332107	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244179	20.000	ng	0.00
86) Perylene-d12	15.633	264	241354	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	651808	84.415	ng	0.01
7) Phenol-d6	6.587	99	836401	86.059	ng	0.00
23) Nitrobenzene-d5	7.516	82	532727	57.108	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	189142	78.769	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	946808	55.708	ng	0.00
79) Terphenyl-d14	13.069	244	685634	41.785	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	72297	11.595	ng	# 79
25) Isophorone	7.516	82	526066	31.945	ng	# 66
32) Benzoic acid	7.957	122	339	5.248	ng	# 80
51) 2,6-Dinitrotoluene	9.998	165	29551	9.588	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29727	7.688	ng	# 21
63) Azobenzene	10.704	77	44760	2.868	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	388	5.610	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	11632	2.939	ng	# 1
75) Fluoranthene	12.698	202	42459	2.623	ng	98
88) Benzo(b)fluoranthene	15.186	252	44762	3.036	ng	# 90
89) Benzo(k)fluoranthene	15.186	252	44762	3.402	ng	# 91

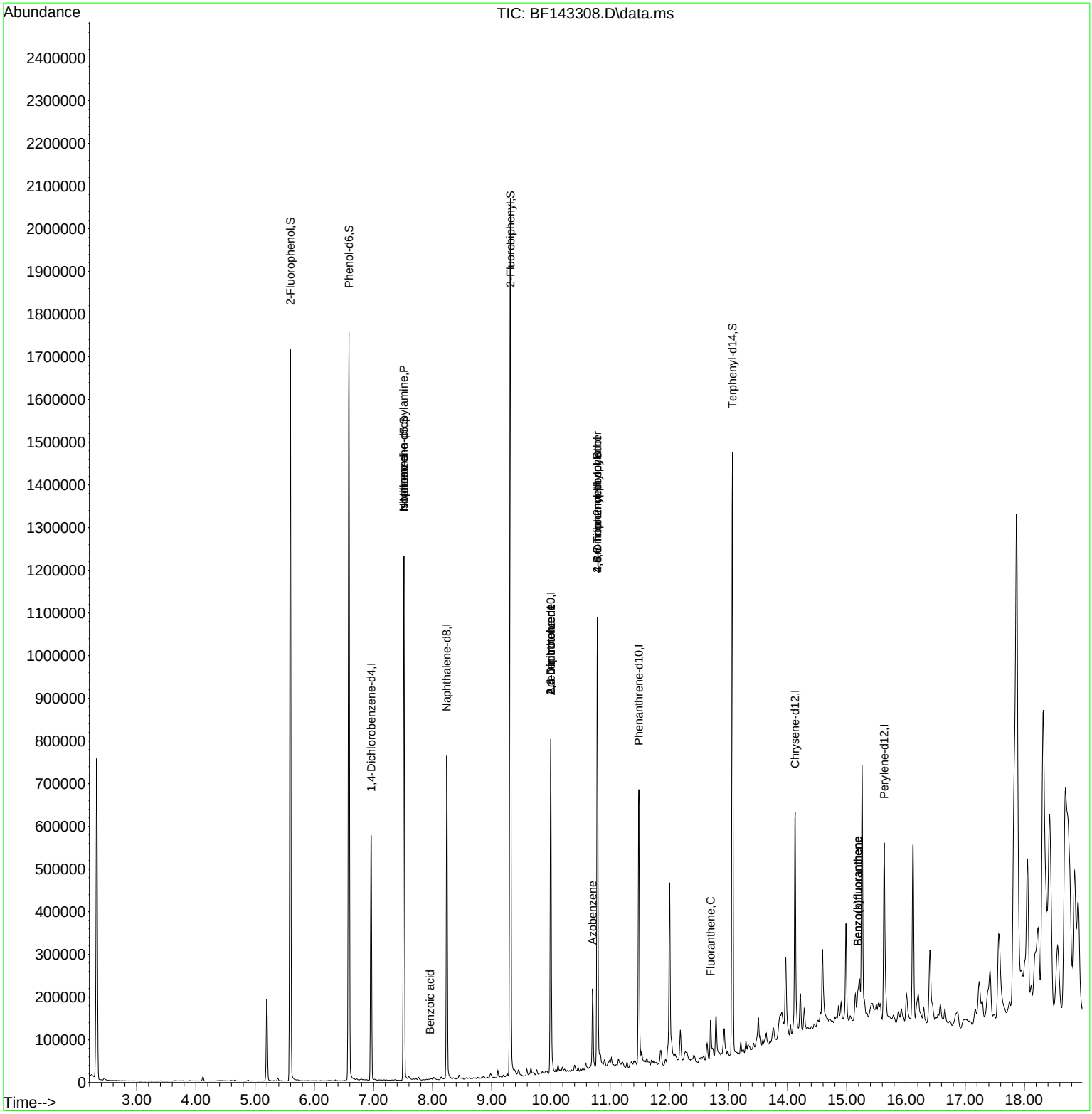
(#) = qualifier out of range (m) = manual integration (+) = signals summed

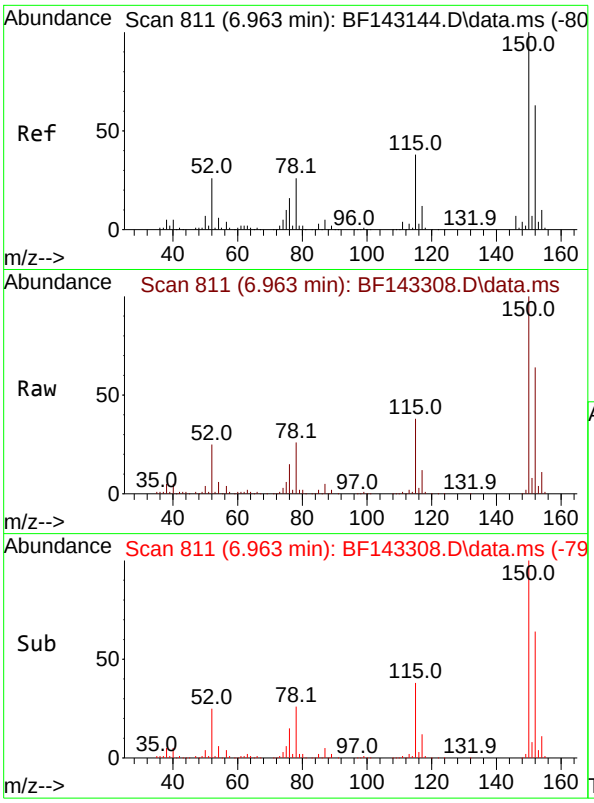
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143308.D
Acq On : 05 Aug 2025 11:34
Operator : RC/JU
Sample : Q2747-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Quant Time: Aug 05 12:12:36 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



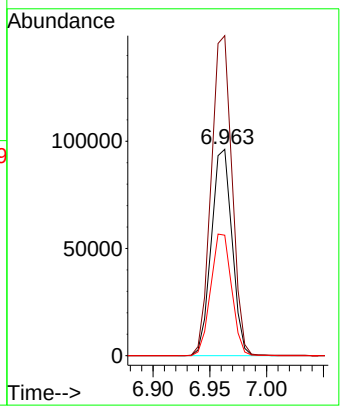


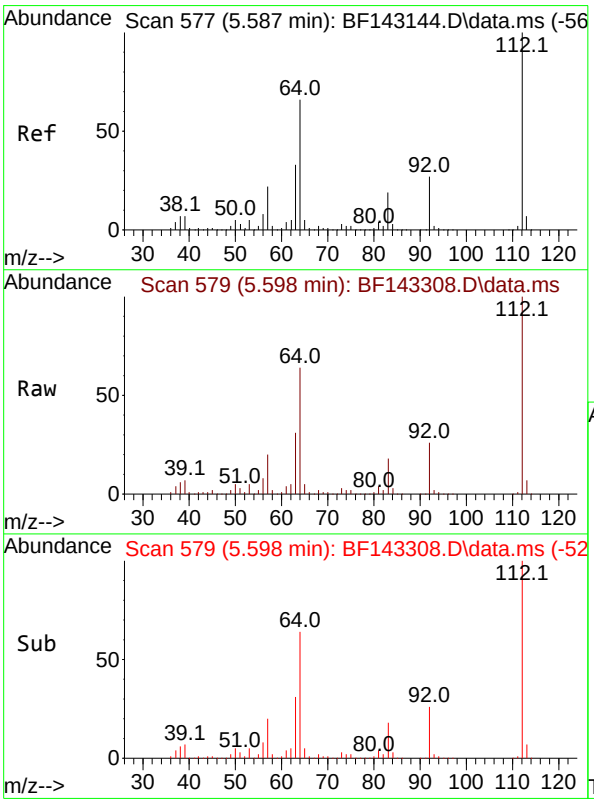
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:152 Resp: 122190

Ion	Ratio	Lower	Upper
152	100		
150	155.1	128.2	192.4
115	58.4	47.9	71.9

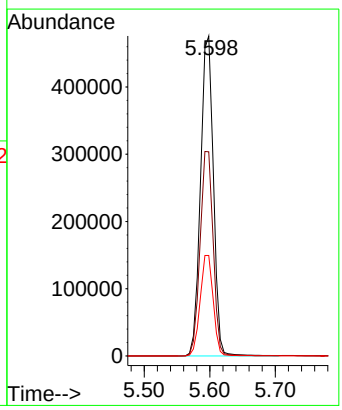


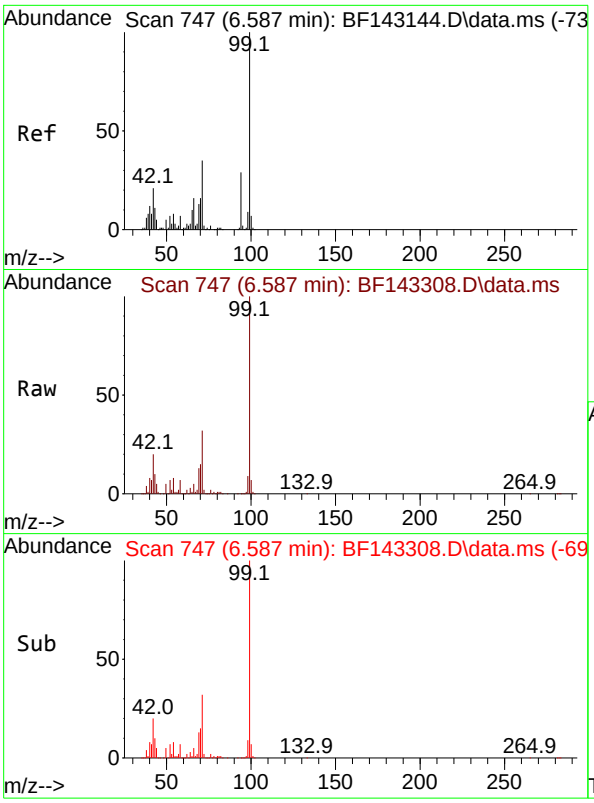


#5
2-Fluorophenol
Concen: 84.415 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:112 Resp: 651808

Ion	Ratio	Lower	Upper
112	100		
64	63.8	53.1	79.7
63	31.4	26.6	40.0



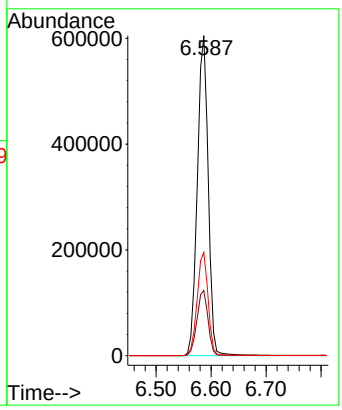


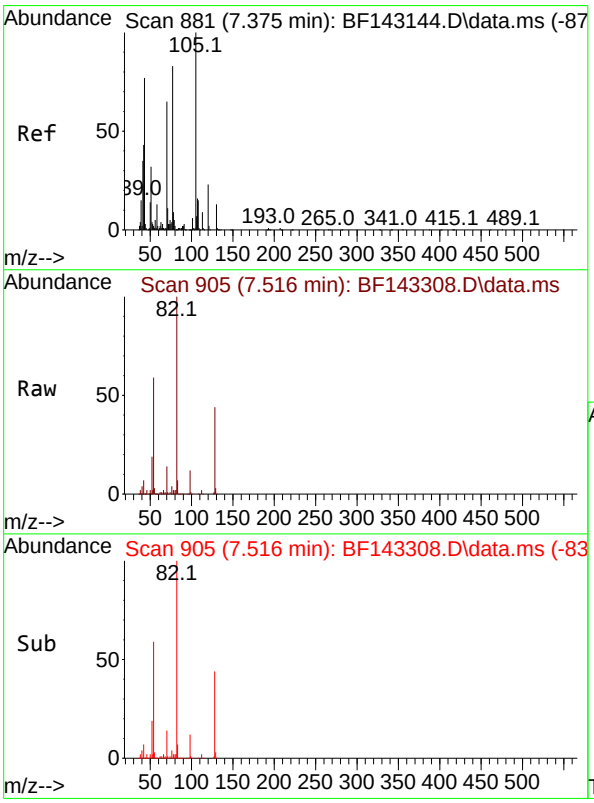
#7
Phenol-d6
Concen: 86.059 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion: 99 Resp: 836401

Ion	Ratio	Lower	Upper
99	100		
42	20.4	17.0	25.6
71	32.3	27.7	41.5

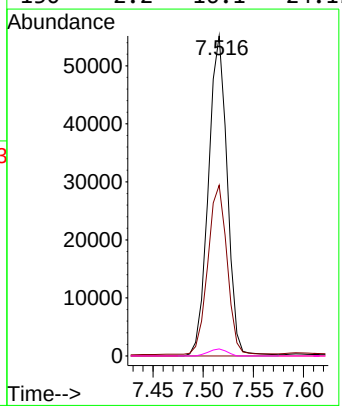


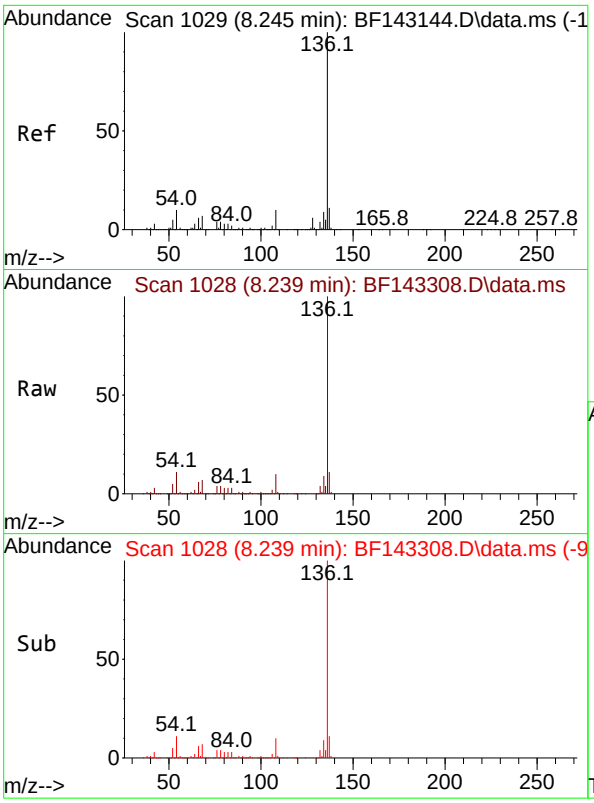


#19
n-Nitroso-di-n-propylamine
Concen: 11.595 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion: 70 Resp: 72297

Ion	Ratio	Lower	Upper
70	100		
42	53.4	52.5	78.7
101	0.0	7.6	11.4#
130	2.2	16.1	24.1#



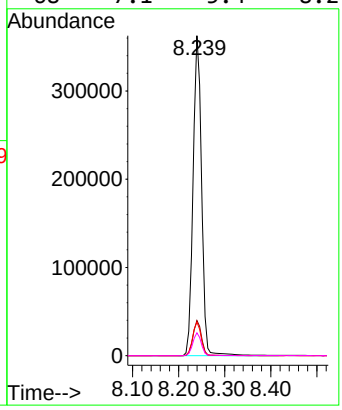


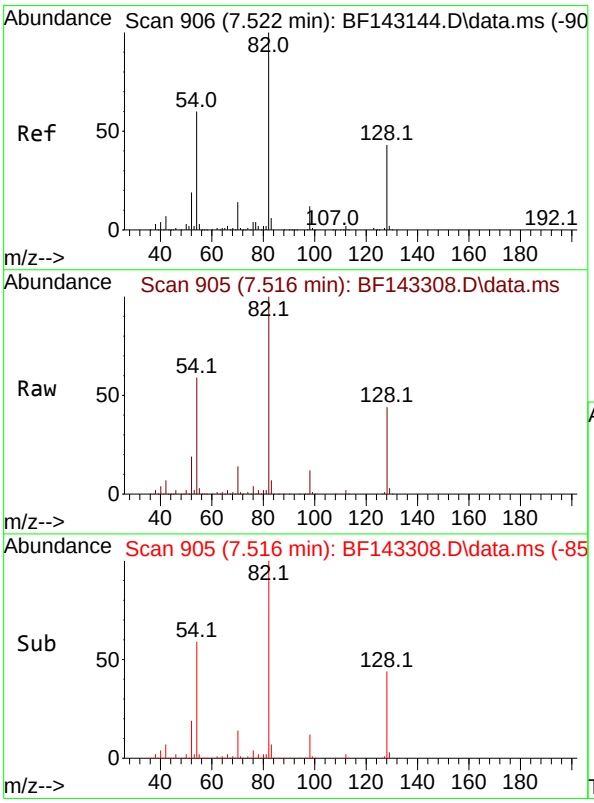
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:136 Resp: 464994

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.5	8.2	12.2
68	7.1	5.4	8.2

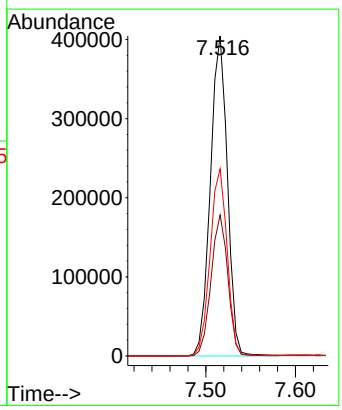


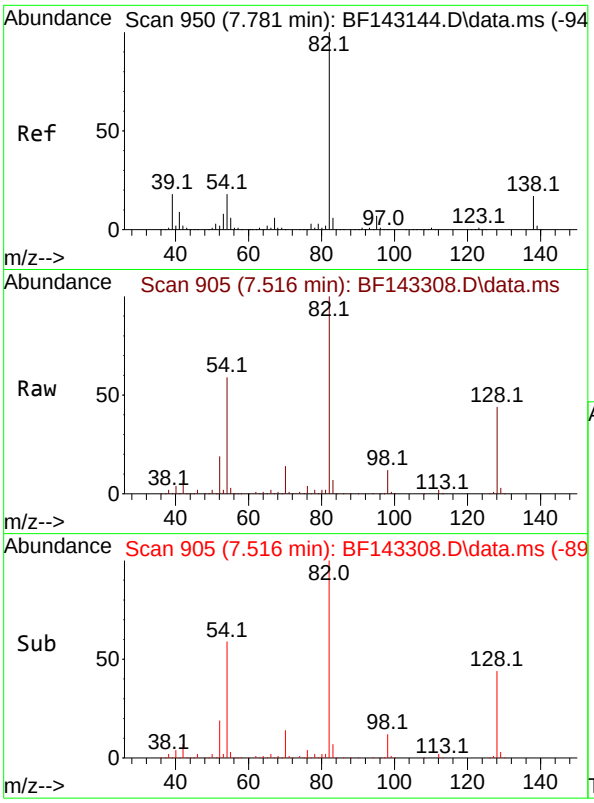


#23
Nitrobenzene-d5
Concen: 57.108 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion: 82 Resp: 532727

Ion	Ratio	Lower	Upper
82	100		
128	44.0	33.6	50.4
54	58.5	47.1	70.7



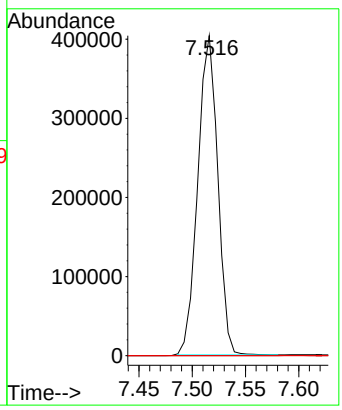


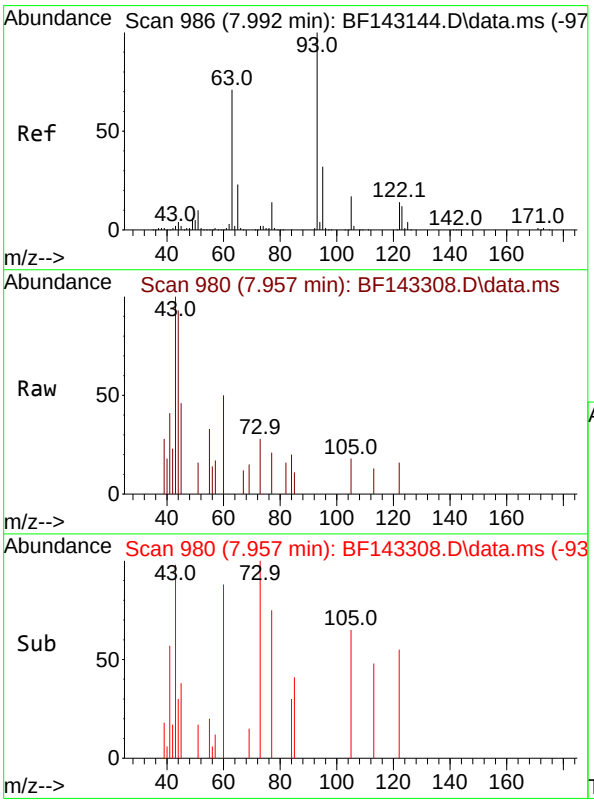
#25
Isophorone
Concen: 31.945 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion: 82 Resp: 526066

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.8	20.8#

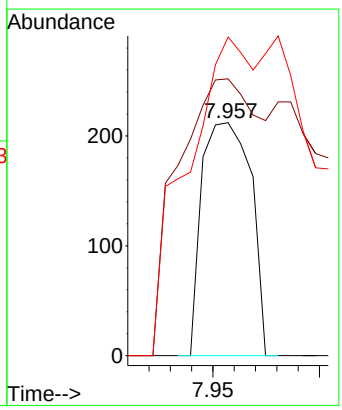


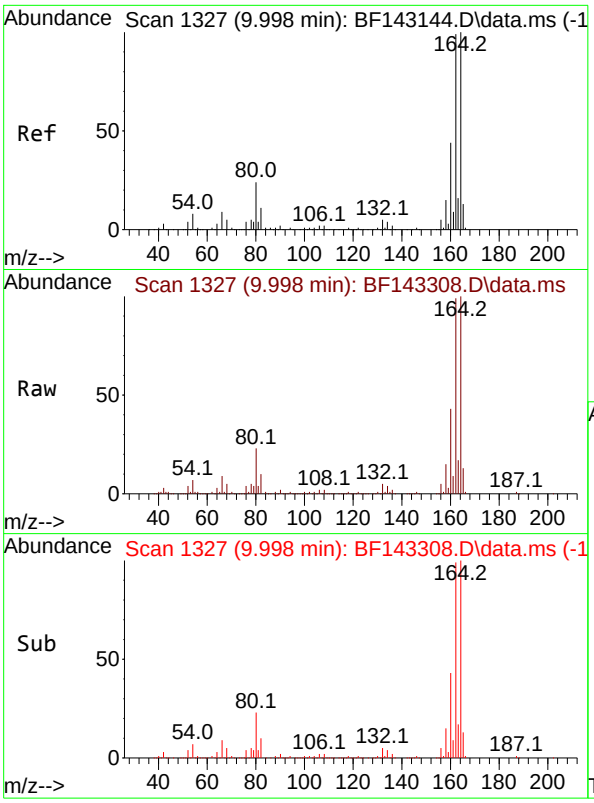


#32
Benzoic acid
Concen: 5.248 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:122 Resp: 339

Ion	Ratio	Lower	Upper
122	100		
105	118.9	104.8	144.8
77	136.8	77.6	117.6#



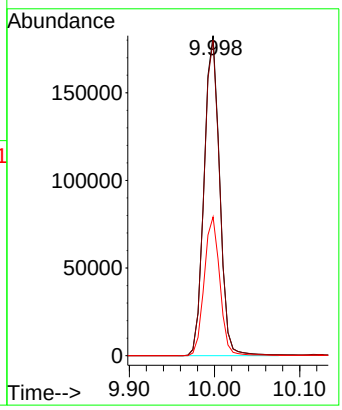


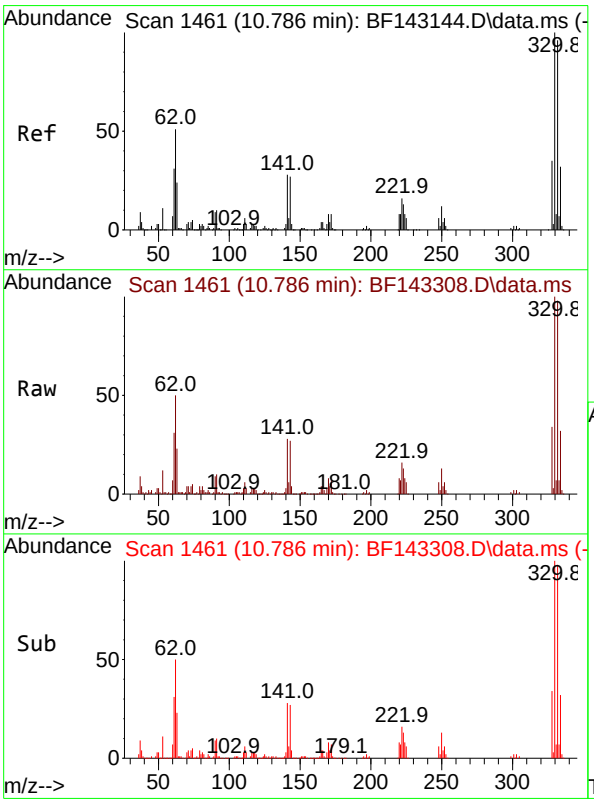
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:164 Resp: 232438

Ion	Ratio	Lower	Upper
164	100		
162	98.6	79.0	118.6
160	43.4	35.1	52.7

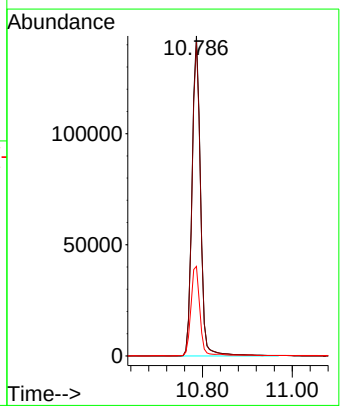


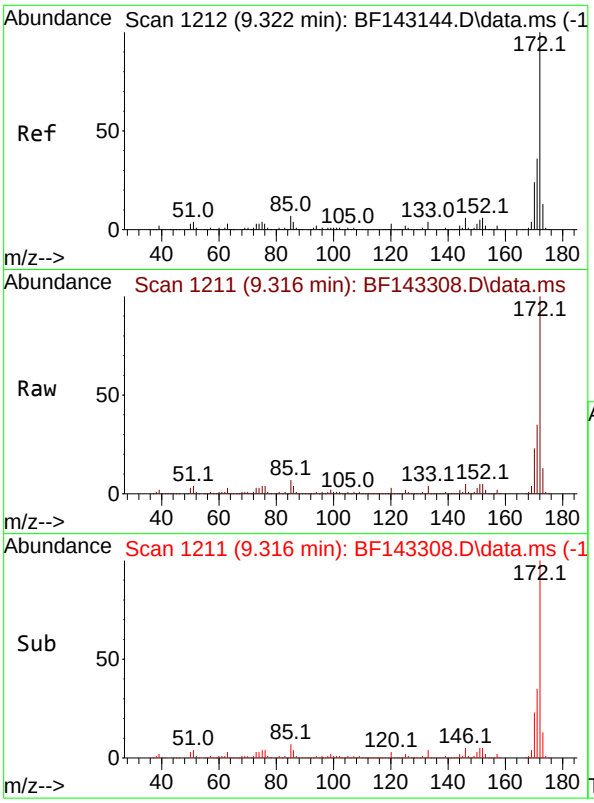


#42
2,4,6-Tribromophenol
Concen: 78.769 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:330 Resp: 189142

Ion	Ratio	Lower	Upper
330	100		
332	98.4	76.7	115.1
141	30.2	23.3	34.9



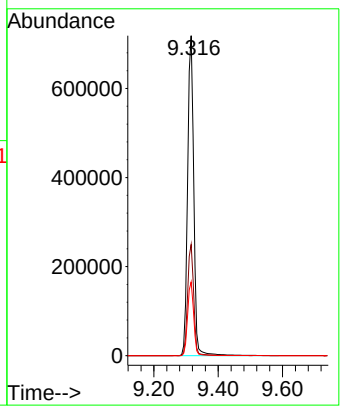


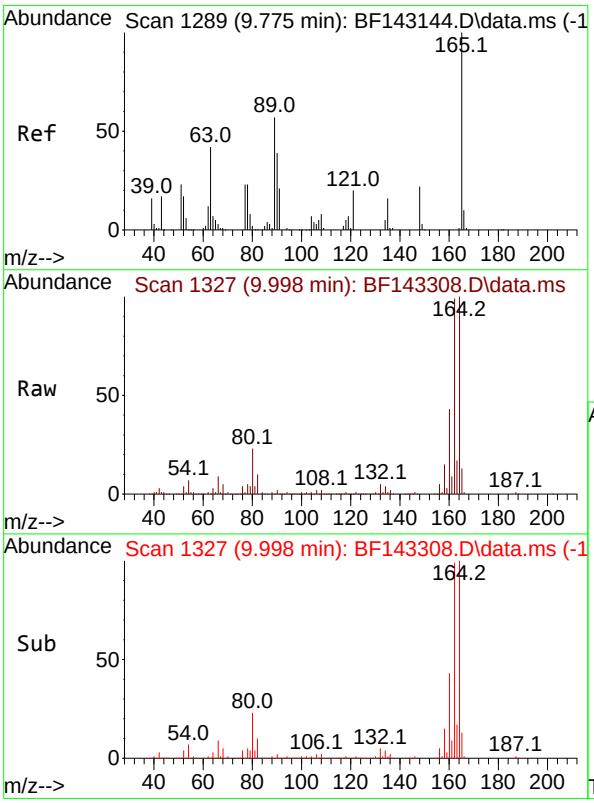
#45
2-Fluorobiphenyl
Concen: 55.708 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:172 Resp: 946808

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.6	42.8
170	23.0	18.8	28.2

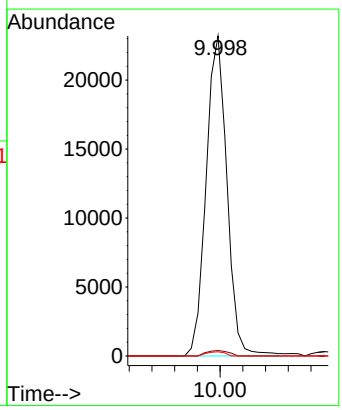


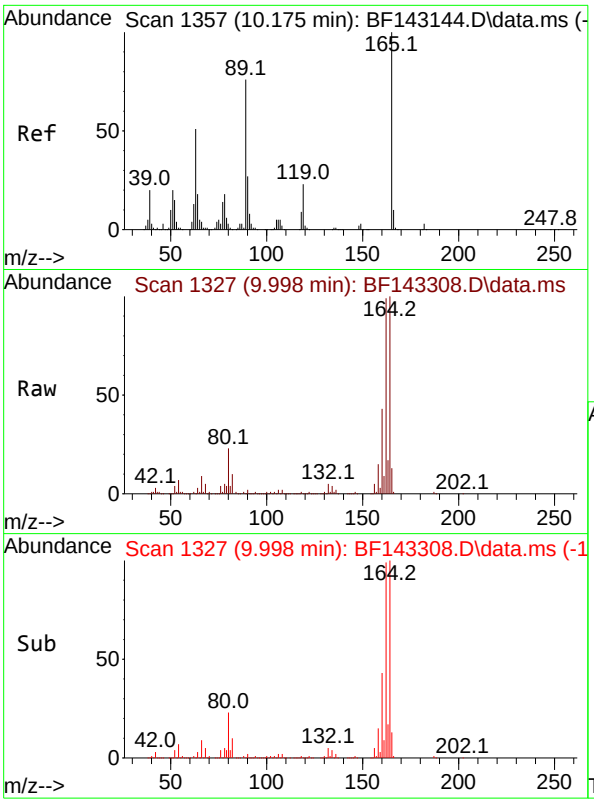


#51
2,6-Dinitrotoluene
Concen: 9.588 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.224 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:165 Resp: 29551

Ion	Ratio	Lower	Upper
165	100		
63	1.7	49.4	74.2#
89	1.3	46.2	69.2#



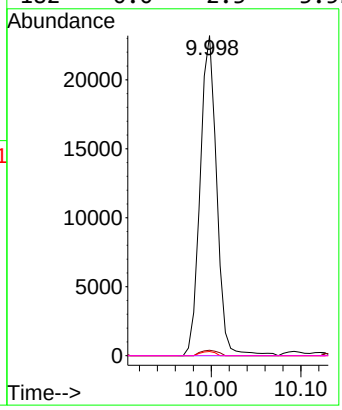


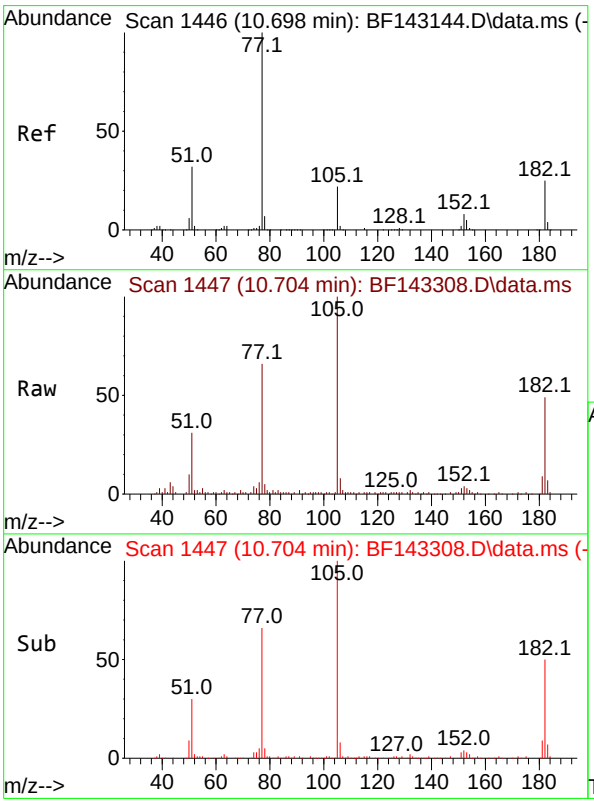
#57
2,4-Dinitrotoluene
Concen: 7.688 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.176 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:165 Resp: 29727

Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.0	61.4#
89	1.3	61.1	91.7#
182	0.0	2.3	3.5#

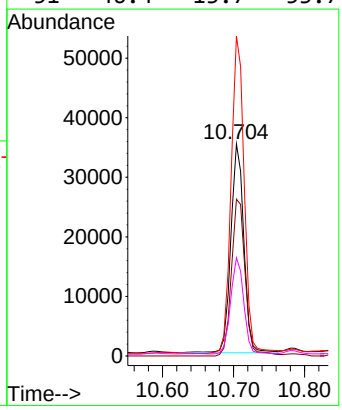


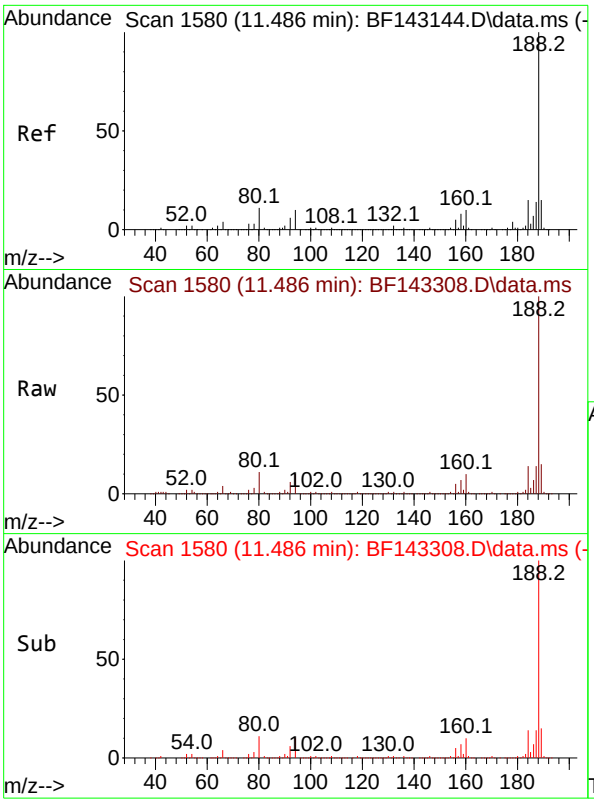


#63
Azobenzene
Concen: 2.868 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion: 77 Resp: 44760

Ion	Ratio	Lower	Upper
77	100		
182	74.0	4.6	44.6#
105	150.9	1.4	41.4#
51	46.4	13.7	53.7



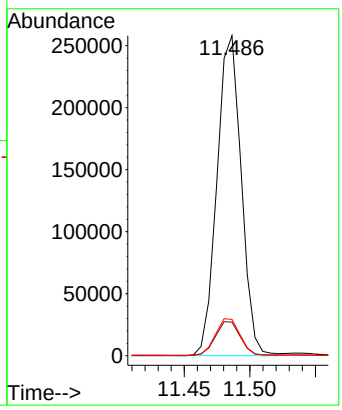


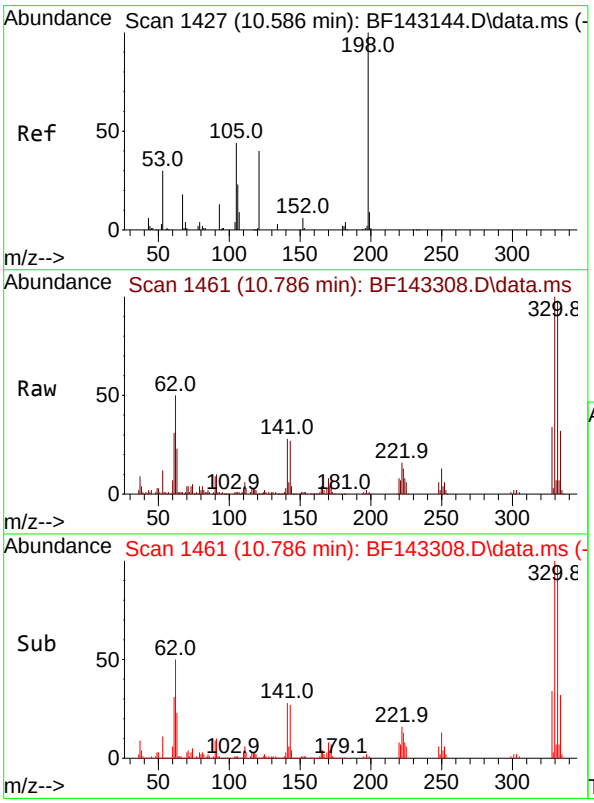
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:188 Resp: 332107

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.3	9.0	13.6

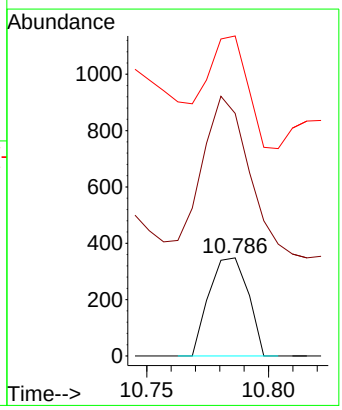


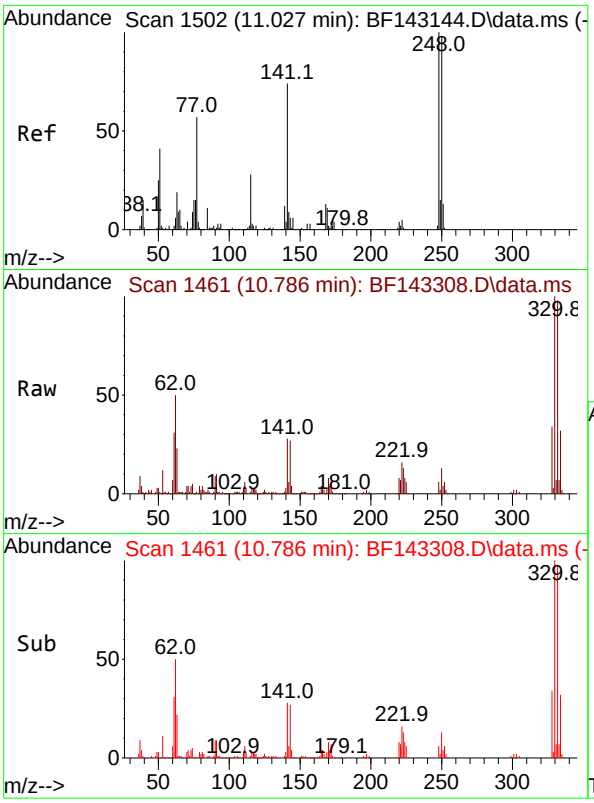


#65
4,6-Dinitro-2-methylphenol
Concen: 5.610 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:198 Resp: 388

Ion	Ratio	Lower	Upper
198	100		
51	247.4	37.2	77.2#
105	326.4	24.8	64.8#



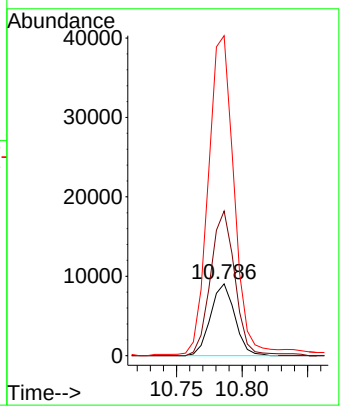


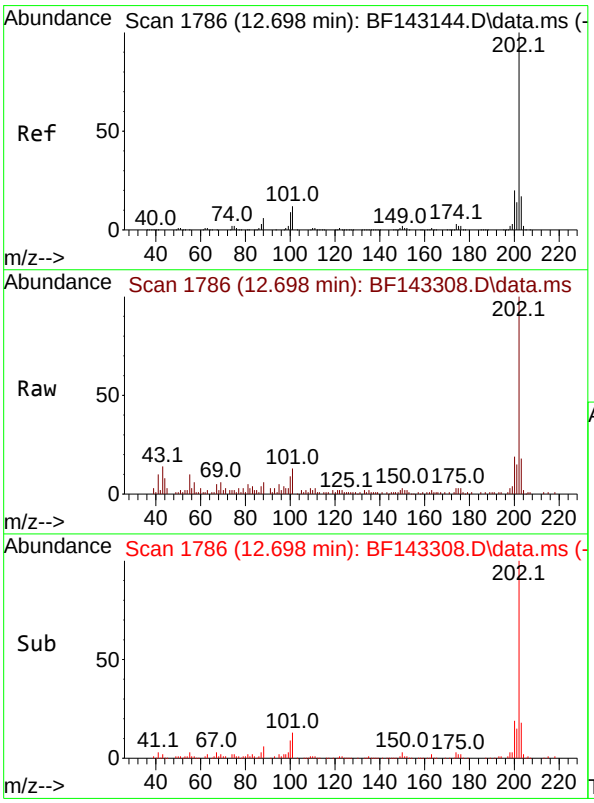
#67
4-Bromophenyl-phenylether
Concen: 2.939 ng
RT: 10.786 min Scan# 1
Delta R.T. -0.241 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:248 Resp: 11632

Ion	Ratio	Lower	Upper
248	100		
250	201.5	78.3	117.5#
141	445.7	59.2	88.8#

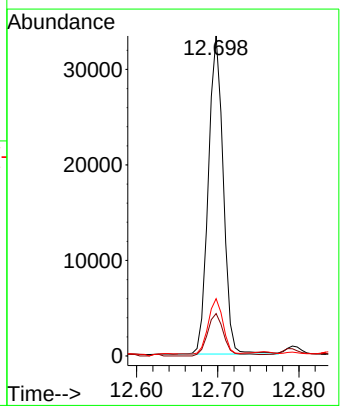


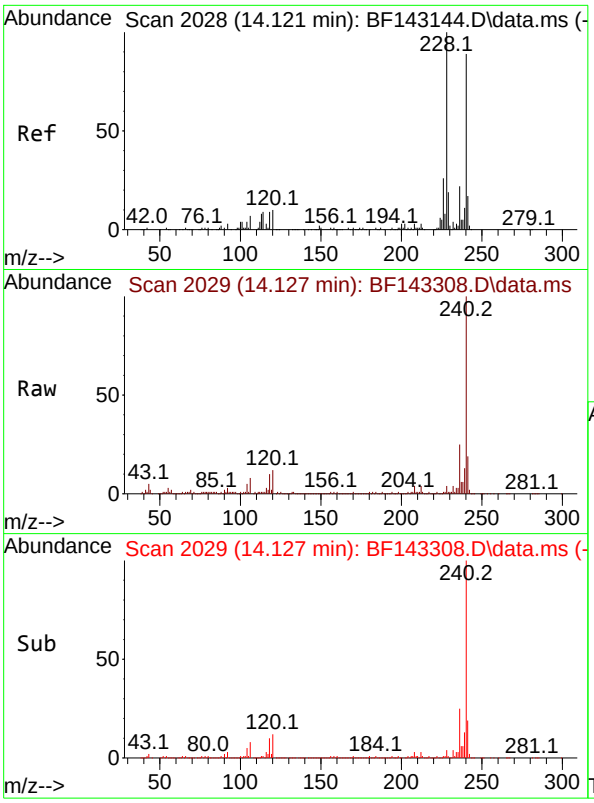


#75
Fluoranthene
Concen: 2.623 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:202 Resp: 42459

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.7
203	17.9	0.0	37.4



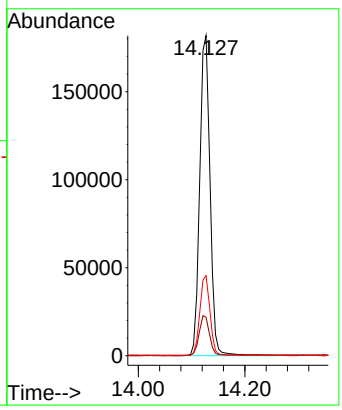


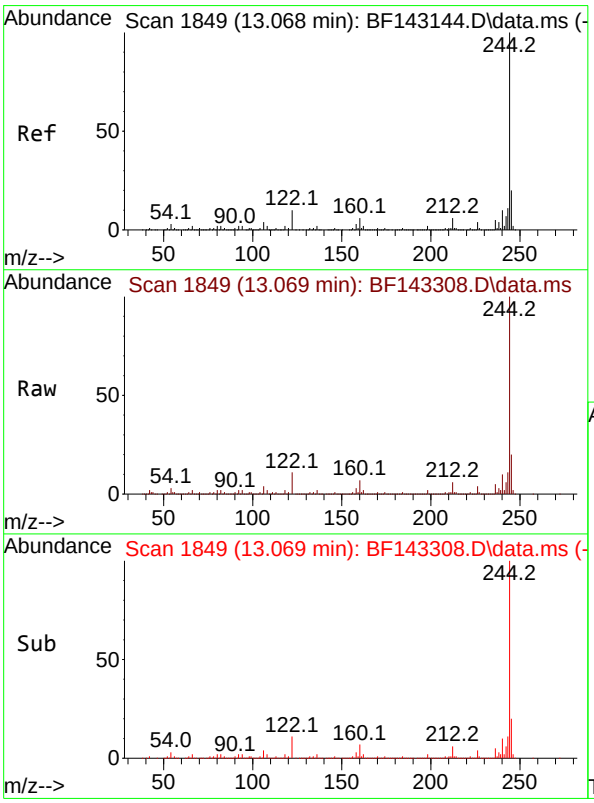
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:240 Resp: 244179

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.4	14.2
236	25.0	20.2	30.4

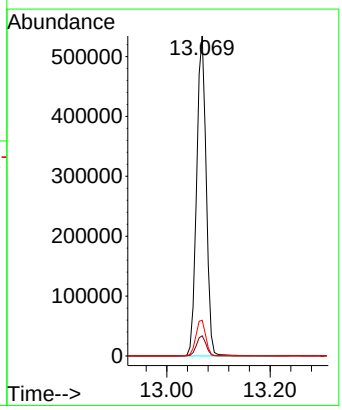


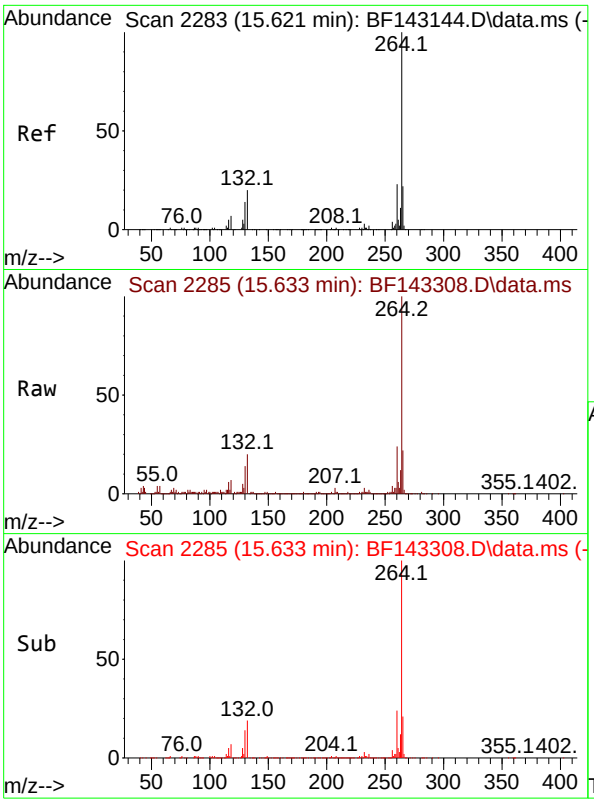


#79
Terphenyl-d14
Concen: 41.785 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:244 Resp: 685634

Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.2	7.8
122	11.2	8.2	12.2



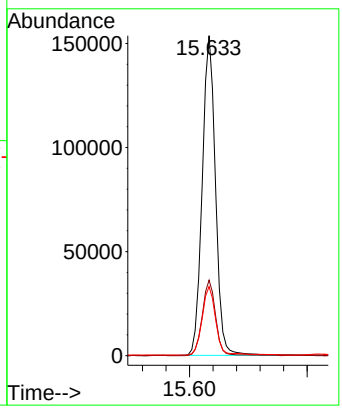


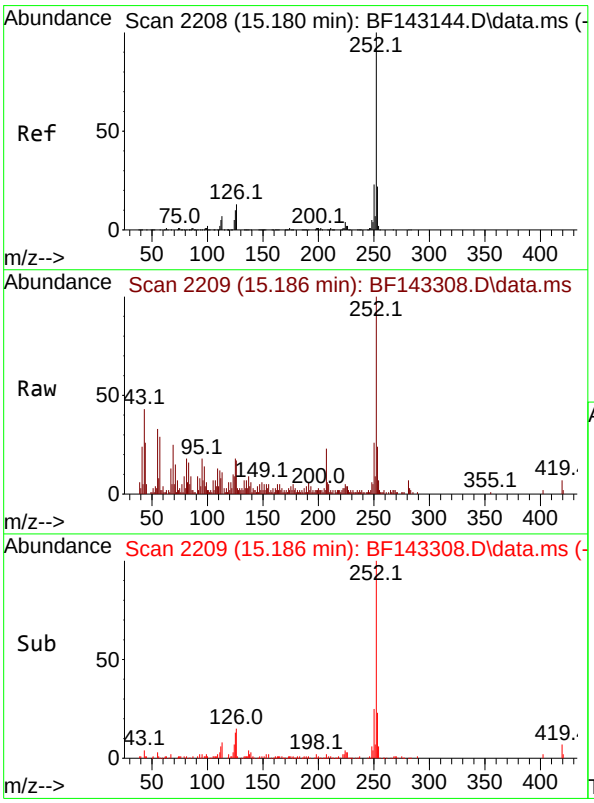
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:264 Resp: 241354

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.5	27.7
265	21.6	17.4	26.2

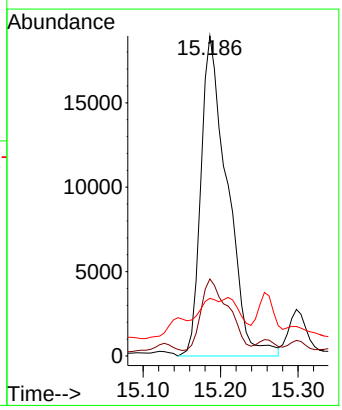


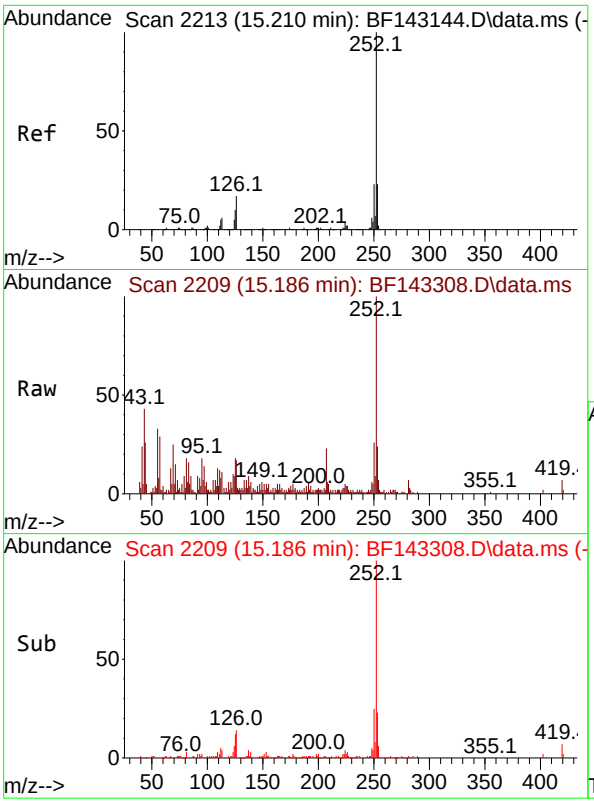


#88
Benzo(b)fluoranthene
Concen: 3.036 ng
RT: 15.186 min Scan# 2209
Delta R.T. 0.006 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Tgt Ion:252 Resp: 44762

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.5	26.3
125	18.0	8.0	12.0#



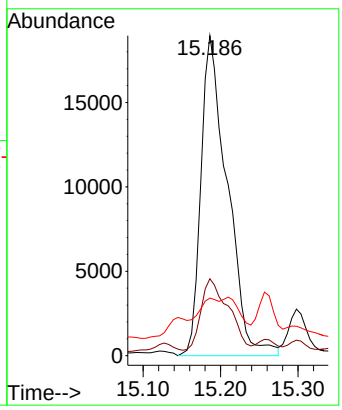


#89
Benzo(k)fluoranthene
Concen: 3.402 ng
RT: 15.186 min Scan# 2
Delta R.T. -0.023 min
Lab File: BF143308.D
Acq: 05 Aug 2025 11:34

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG2-073125

Tgt Ion:252 Resp: 44762

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.6
125	18.0	8.1	12.1#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On : 05 Aug 2025 12:03
Operator : RC/JU
Sample : Q2747-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 05 12:37:42 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	127481	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	469138	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	228456	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	308976	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244731	20.000	ng	0.00
86) Perylene-d12	15.633	264	233526	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	640562	79.515	ng	0.00
7) Phenol-d6	6.587	99	824262	81.290	ng	0.00
23) Nitrobenzene-d5	7.516	82	524171	55.694	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	171579	72.701	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	891830	53.388	ng	0.00
79) Terphenyl-d14	13.069	244	625406	38.028	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	69306	10.654	ng	# 80
25) Isophorone	7.516	82	516976	31.116	ng	# 66
51) 2,6-Dinitrotoluene	9.998	165	29754	9.822	ng	# 23
57) 2,4-Dinitrotoluene	9.998	165	29867	7.858	ng	# 21
63) Azobenzene	10.704	77	40409	2.634	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	386	5.624	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	10595	2.877	ng	# 1
75) Fluoranthene	12.698	202	46440	3.084	ng	97
88) Benzo(b)fluoranthene	15.186	252	39267	2.752	ng	# 86
89) Benzo(k)fluoranthene	15.186	252	39267	3.084	ng	# 87

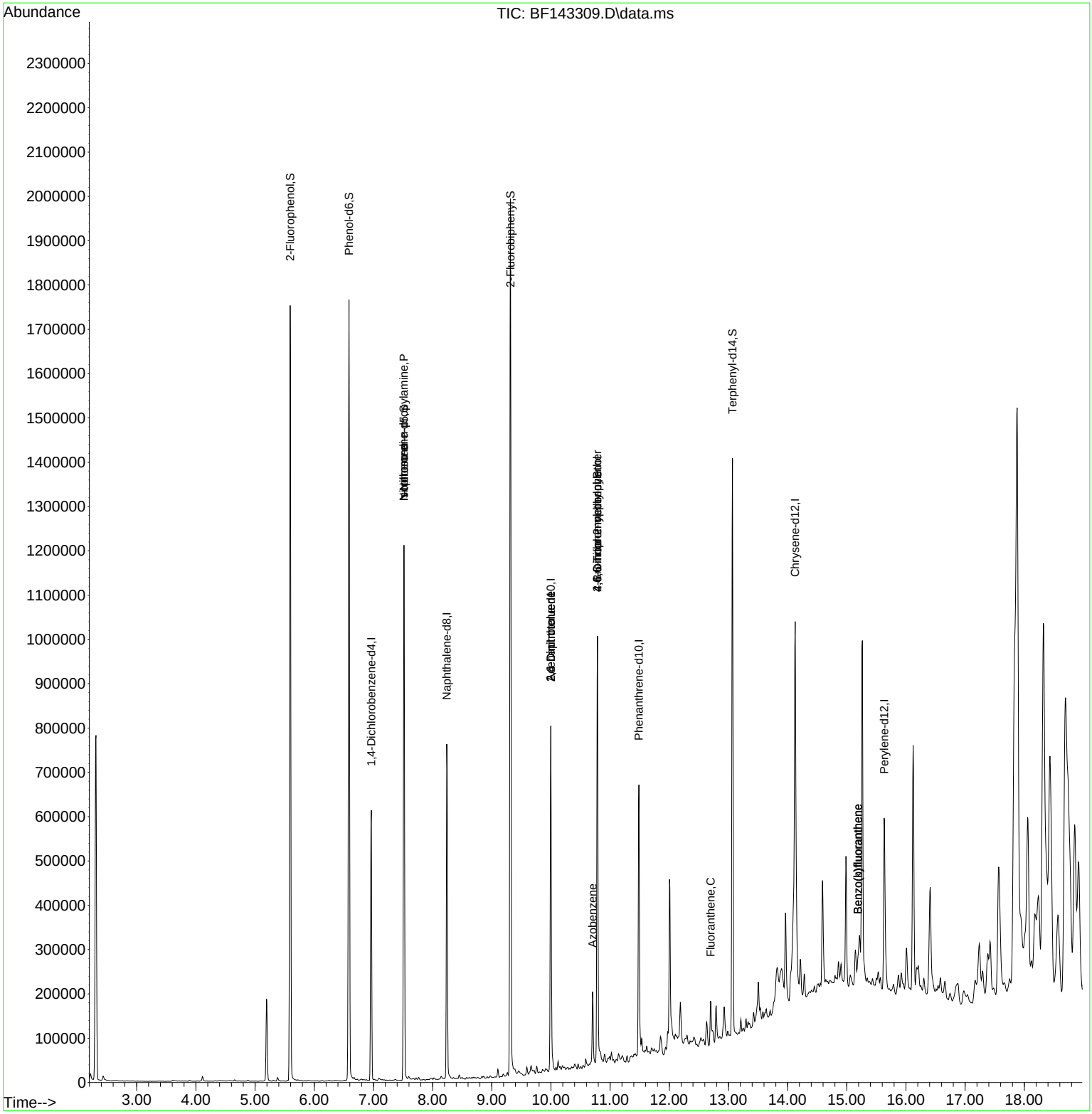
(#) = qualifier out of range (m) = manual integration (+) = signals summed

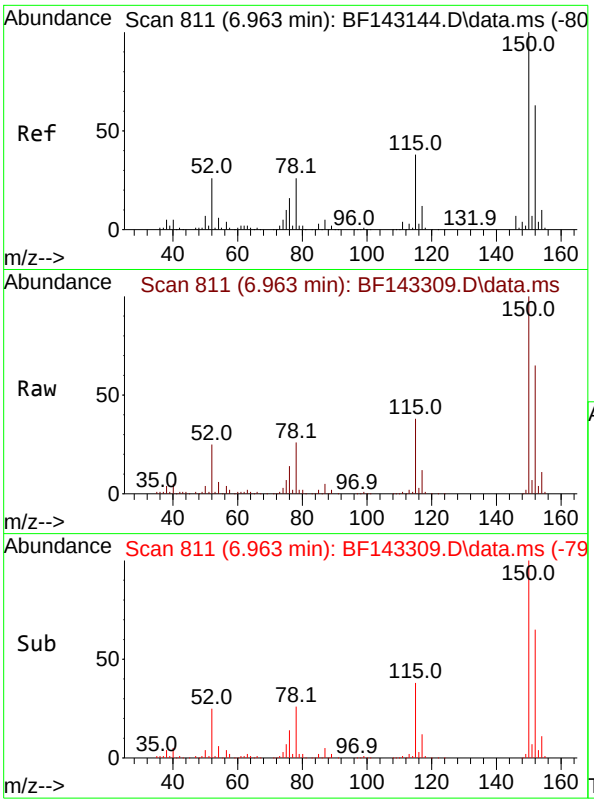
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143309.D
Acq On : 05 Aug 2025 12:03
Operator : RC/JU
Sample : Q2747-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Quant Time: Aug 05 12:37:42 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



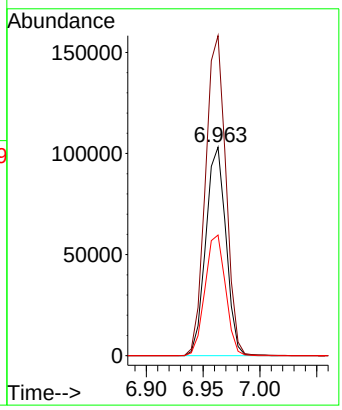


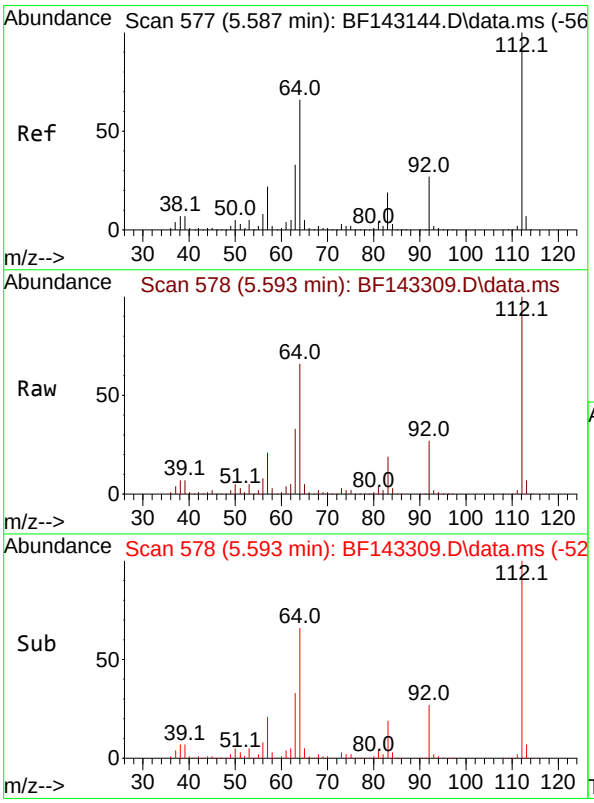
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:152 Resp: 127481

Ion	Ratio	Lower	Upper
152	100		
150	153.5	128.2	192.4
115	57.9	47.9	71.9

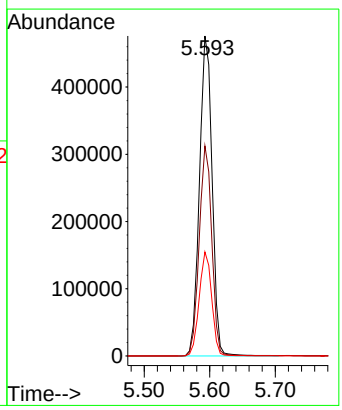


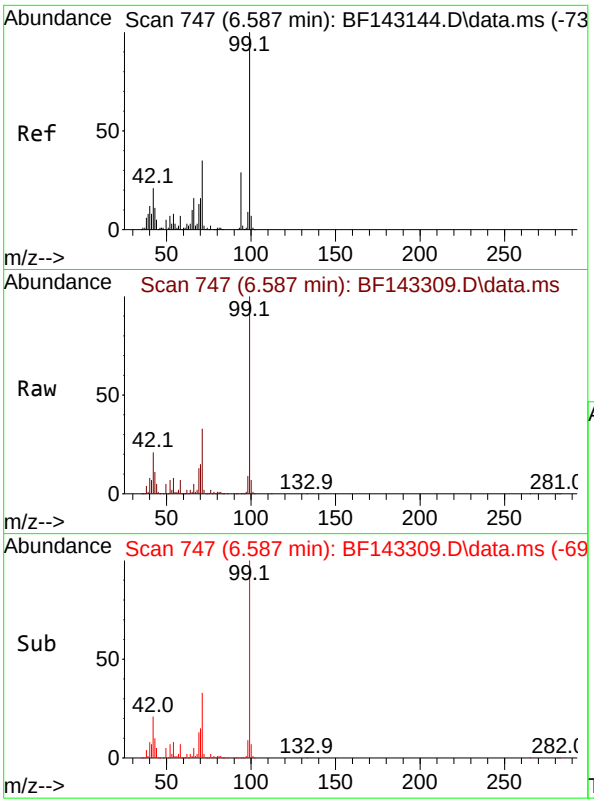


#5
2-Fluorophenol
Concen: 79.515 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:112 Resp: 640562

Ion	Ratio	Lower	Upper
112	100		
64	65.6	53.1	79.7
63	32.5	26.6	40.0



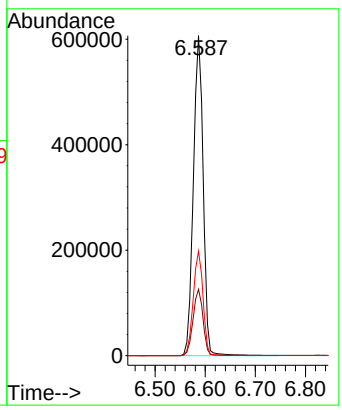


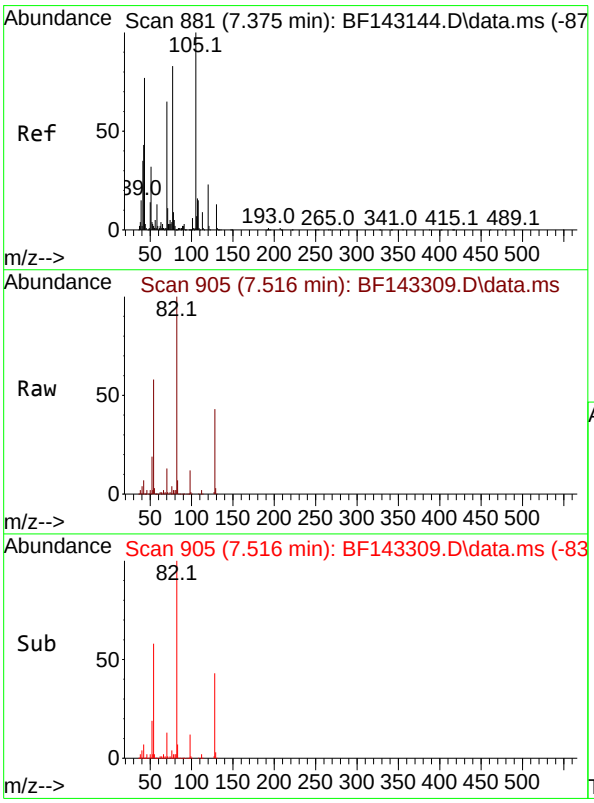
#7
Phenol-d6
Concen: 81.290 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion: 99 Resp: 824262

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	32.6	27.7	41.5

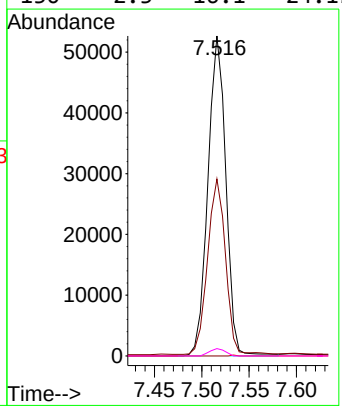


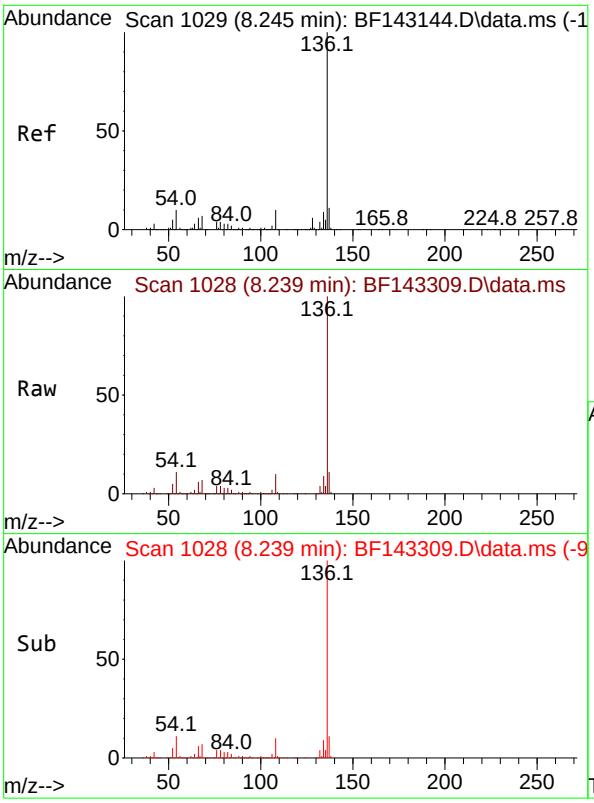


#19
n-Nitroso-di-n-propylamine
Concen: 10.654 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 70 Resp: 69306

Ion	Ratio	Lower	Upper
70	100		
42	55.3	52.5	78.7
101	0.0	7.6	11.4#
130	2.3	16.1	24.1#



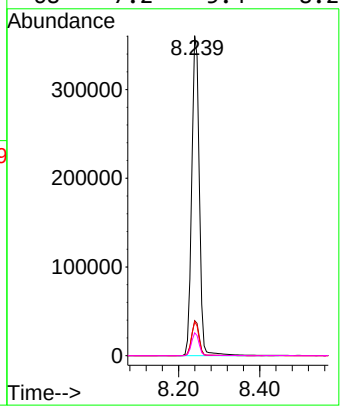


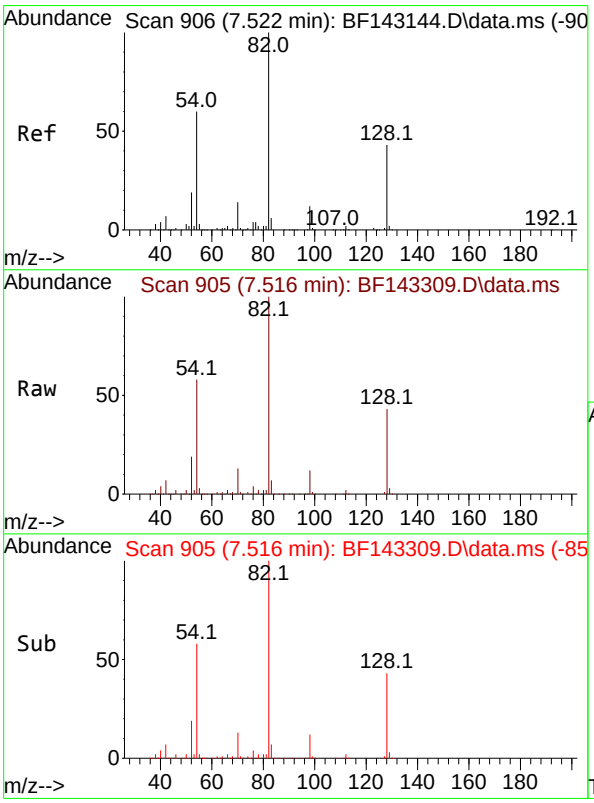
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:136 Resp: 469138

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.6	8.2	12.2
68	7.2	5.4	8.2

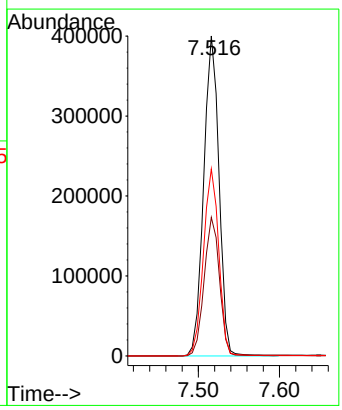


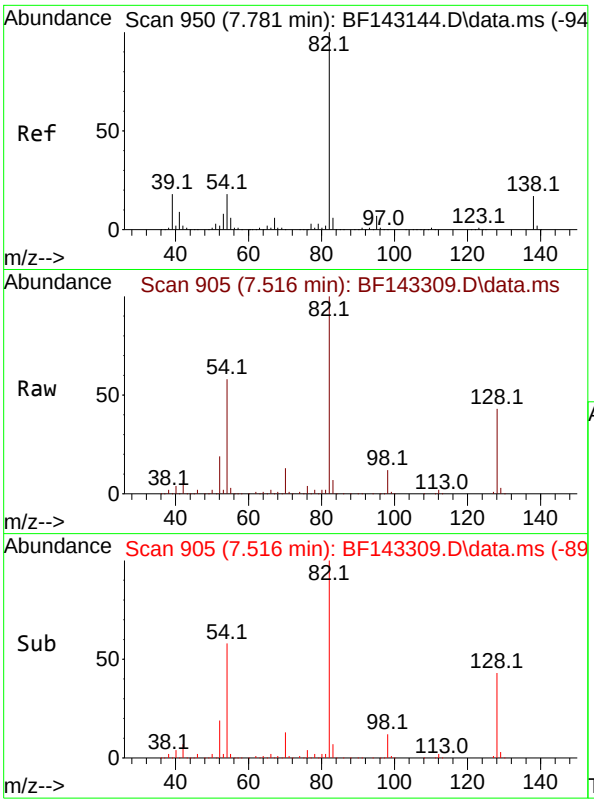


#23
Nitrobenzene-d5
Concen: 55.694 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion: 82 Resp: 524171

Ion	Ratio	Lower	Upper
82	100		
128	43.3	33.6	50.4
54	58.4	47.1	70.7



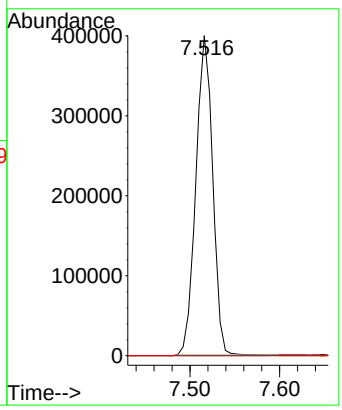


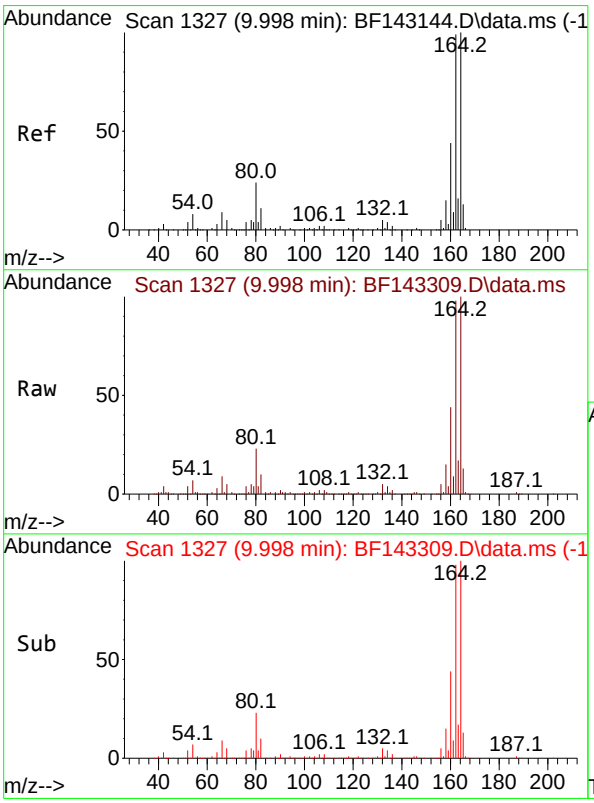
#25
Isophorone
Concen: 31.116 ng
RT: 7.516 min Scan# 9(
Delta R.T. -0.265 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion: 82 Resp: 516976

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.8	20.8#

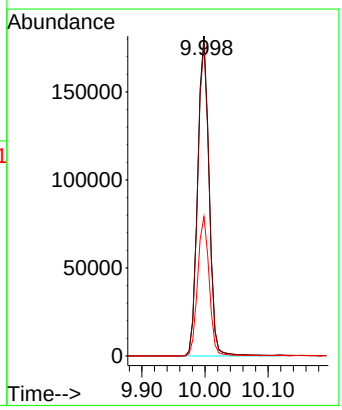


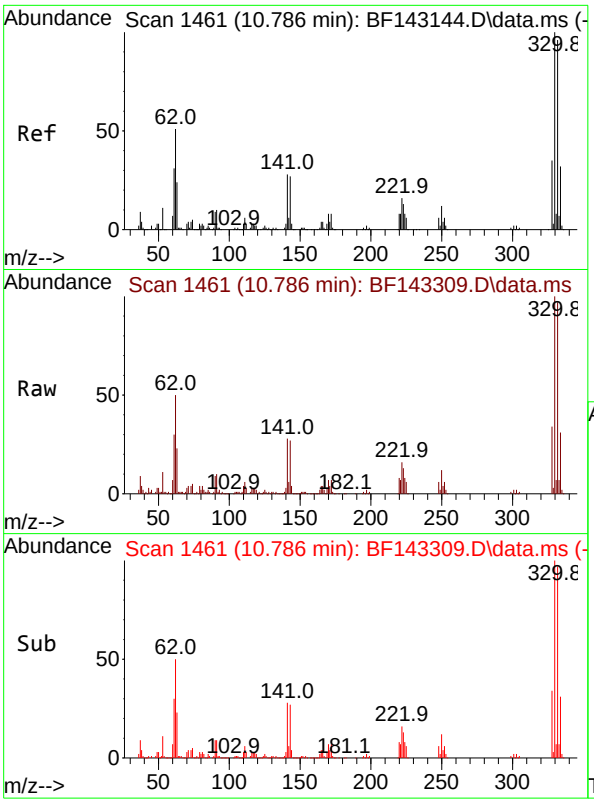


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:164 Resp: 228456

Ion	Ratio	Lower	Upper
164	100		
162	97.6	79.0	118.6
160	43.5	35.1	52.7



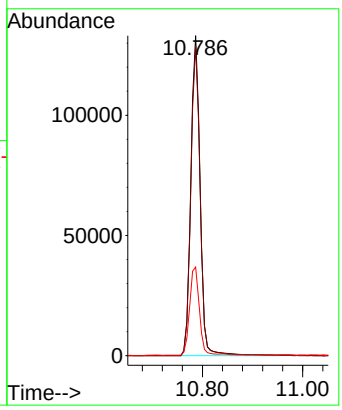


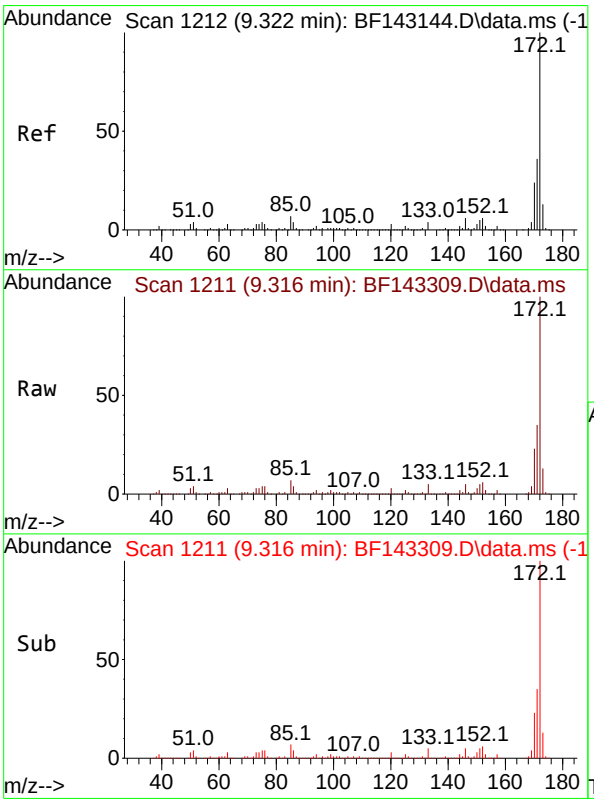
#42
2,4,6-Tribromophenol
Concen: 72.701 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:330 Resp: 171579

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.7	115.1
141	29.1	23.3	34.9

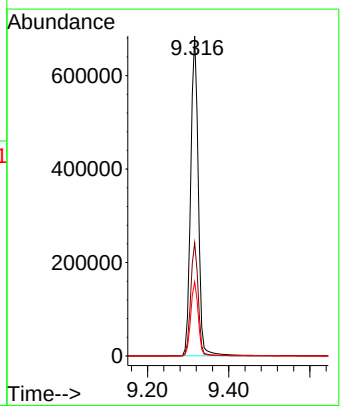


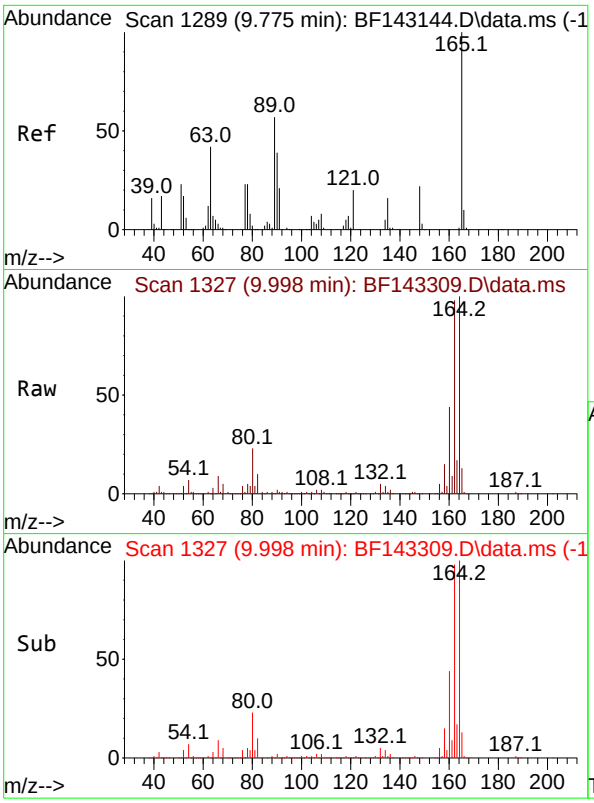


#45
2-Fluorobiphenyl
Concen: 53.388 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:172 Resp: 891830

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.2	18.8	28.2



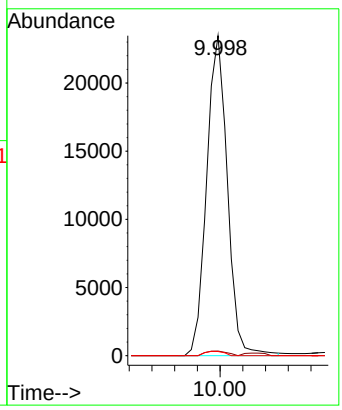


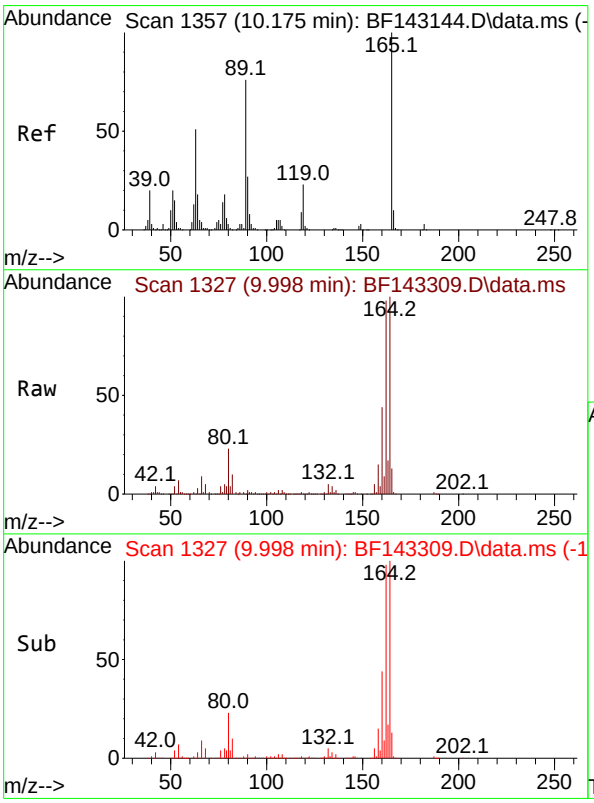
#51
2,6-Dinitrotoluene
Concen: 9.822 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.224 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:165 Resp: 29754

Ion	Ratio	Lower	Upper
165	100		
63	1.5	49.4	74.2#
89	1.3	46.2	69.2#

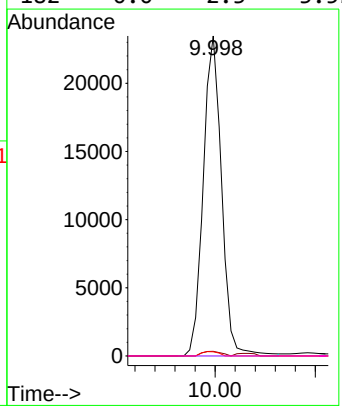


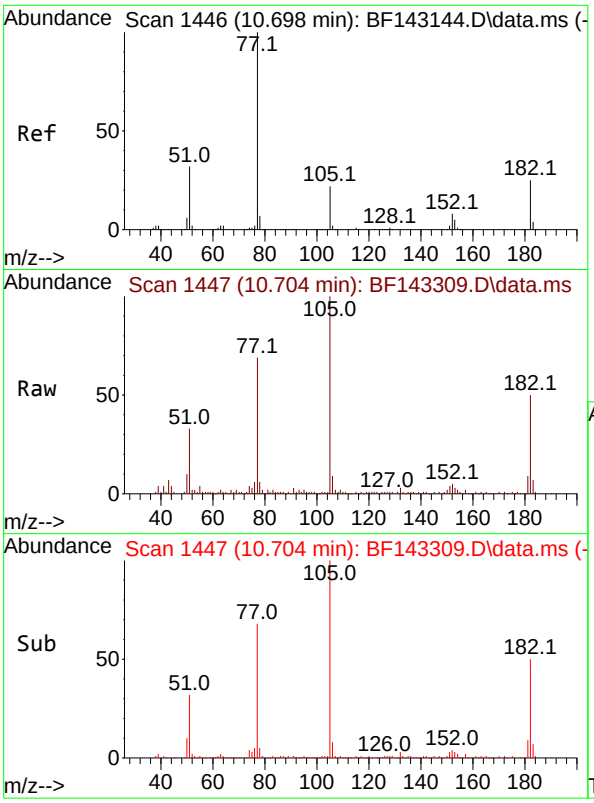


#57
2,4-Dinitrotoluene
Concen: 7.858 ng
RT: 9.998 min Scan# 1327
Delta R.T. -0.176 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:165 Resp: 29867

Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.4#
89	1.3	61.1	91.7#
182	0.0	2.3	3.5#



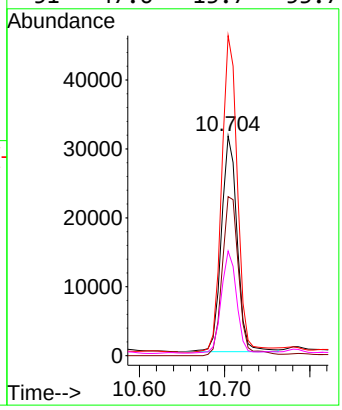


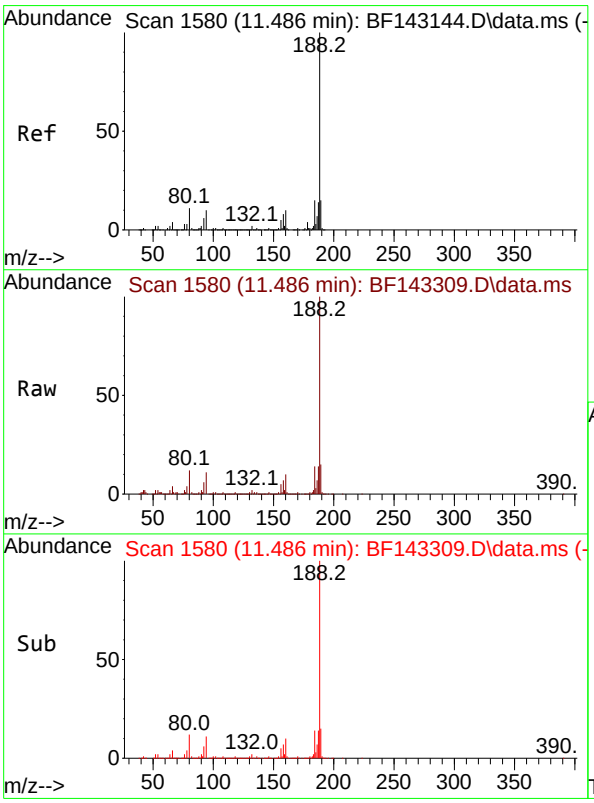
#63
Azobenzene
Concen: 2.634 ng
RT: 10.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion: 77 Resp: 40409

Ion	Ratio	Lower	Upper
77	100		
182	72.4	4.6	44.6#
105	145.6	1.4	41.4#
51	47.6	13.7	53.7

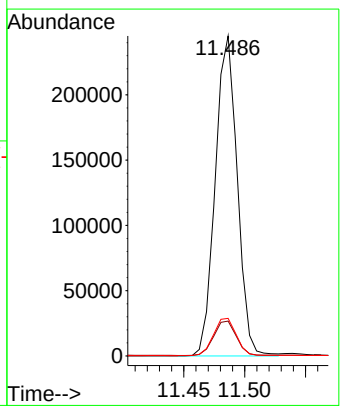


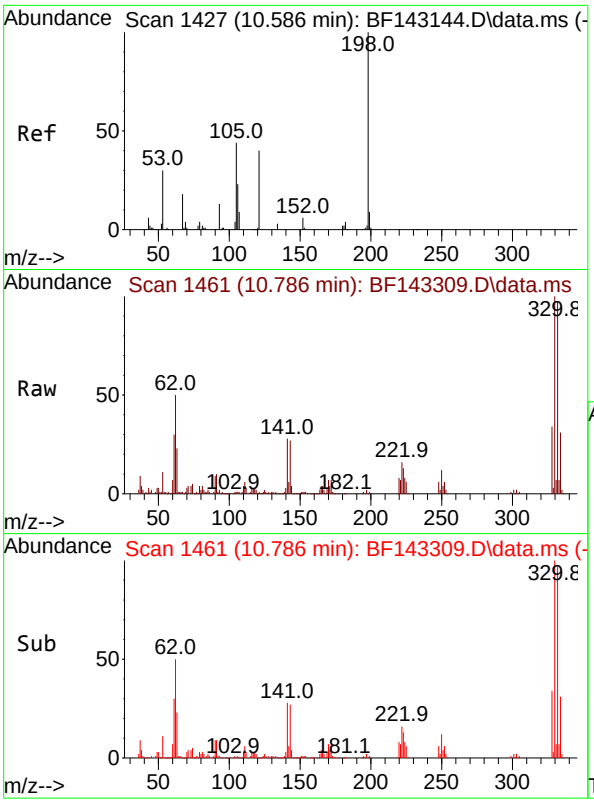


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:188 Resp: 308976

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.3	12.5
80	11.8	9.0	13.6



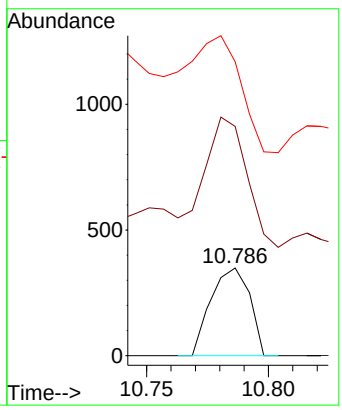


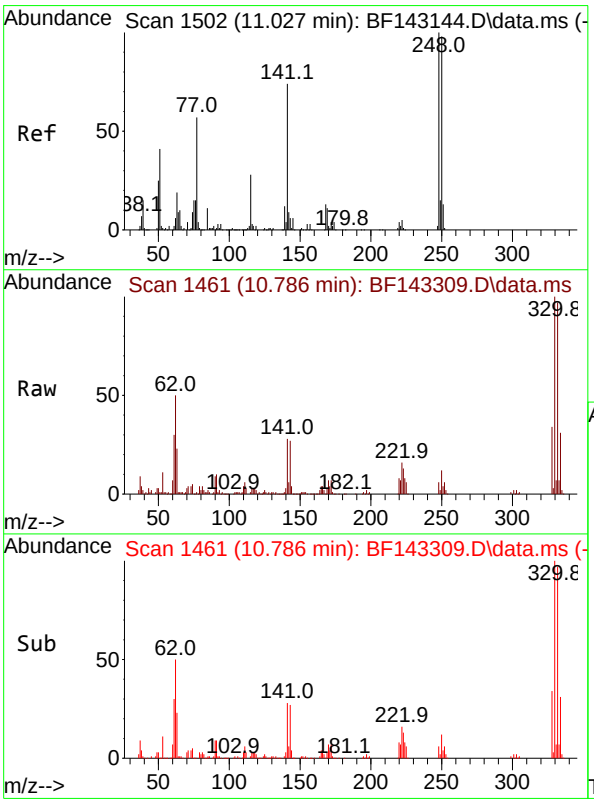
#65
4,6-Dinitro-2-methylphenol
Concen: 5.624 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.200 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:198 Resp: 386

Ion	Ratio	Lower	Upper
198	100		
51	261.3	37.2	77.2#
105	335.0	24.8	64.8#

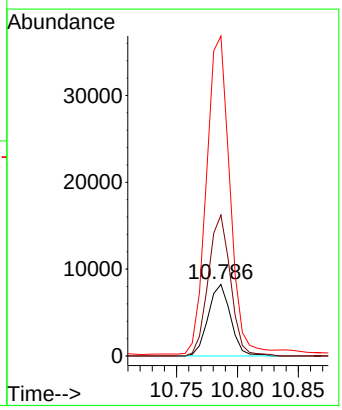


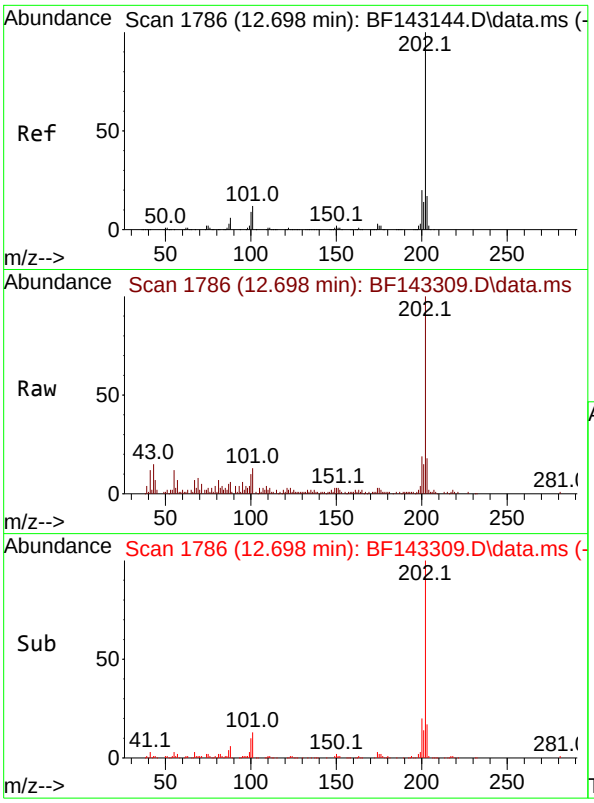


#67
4-Bromophenyl-phenylether
Concen: 2.877 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.241 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:248 Resp: 10595

Ion	Ratio	Lower	Upper
248	100		
250	197.1	78.3	117.5#
141	447.3	59.2	88.8#



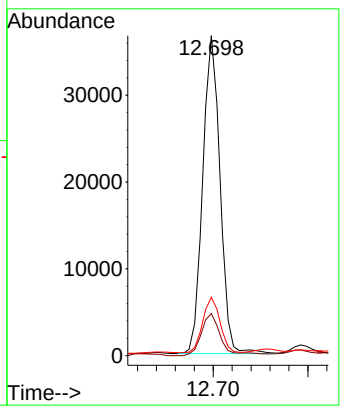


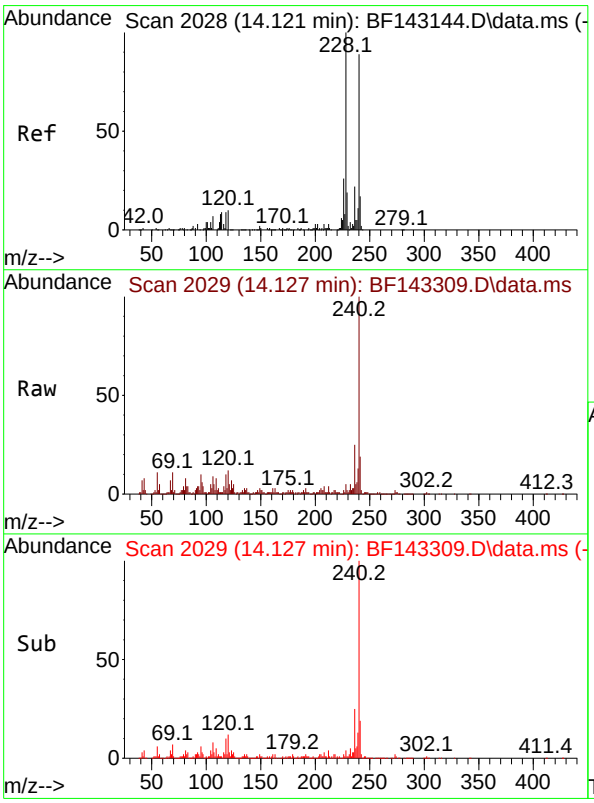
#75
Fluoranthene
Concen: 3.084 ng
RT: 12.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:202 Resp: 46440

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.7
203	18.3	0.0	37.4

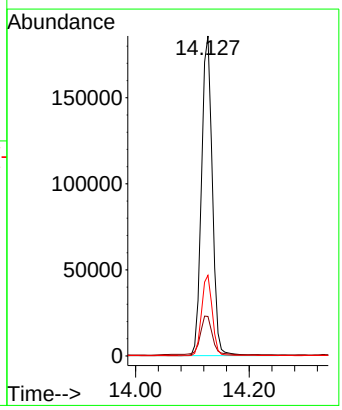


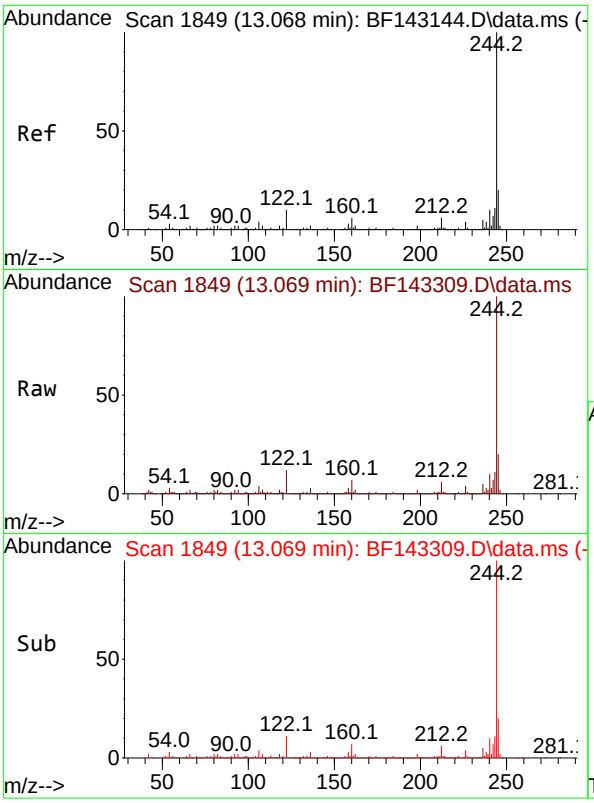


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:240 Resp: 244731

Ion	Ratio	Lower	Upper
240	100		
120	12.3	9.4	14.2
236	25.2	20.2	30.4



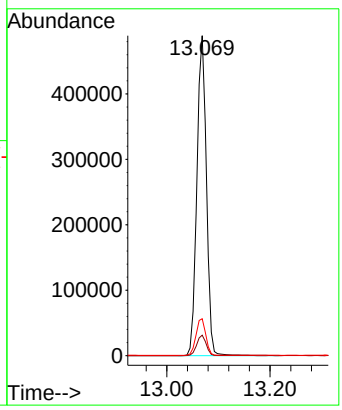


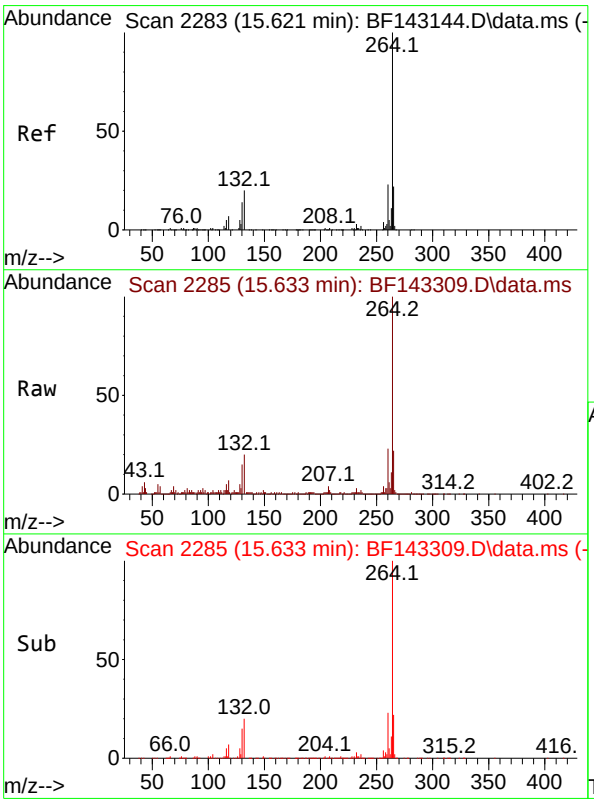
#79
Terphenyl-d14
Concen: 38.028 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:244 Resp: 625406

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.2	12.2

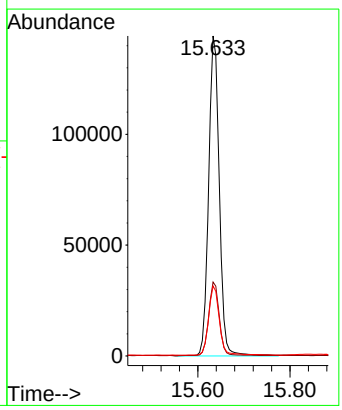


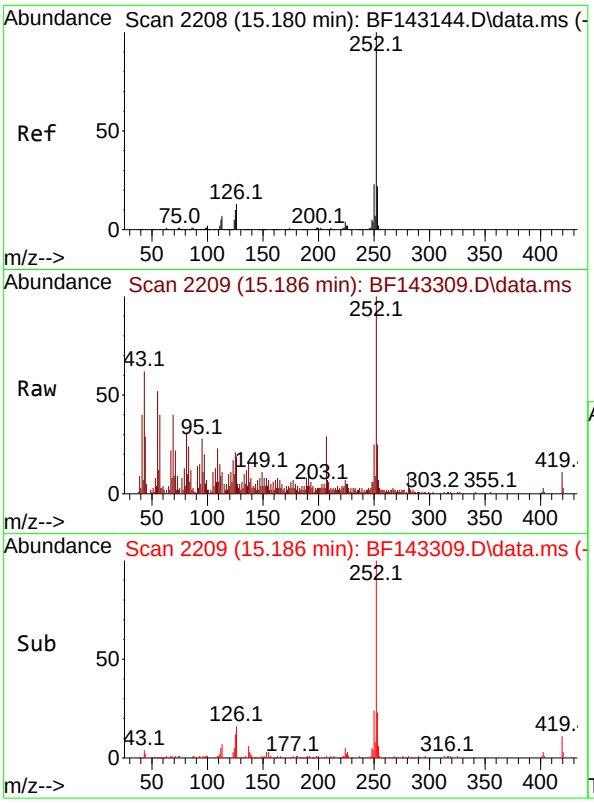


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:264 Resp: 233526

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.9	17.4	26.2



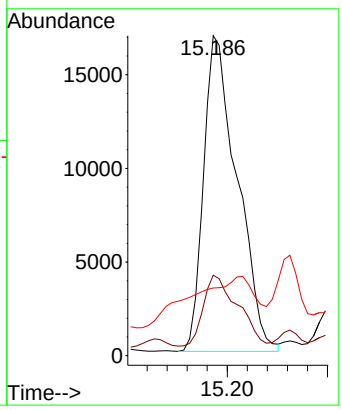


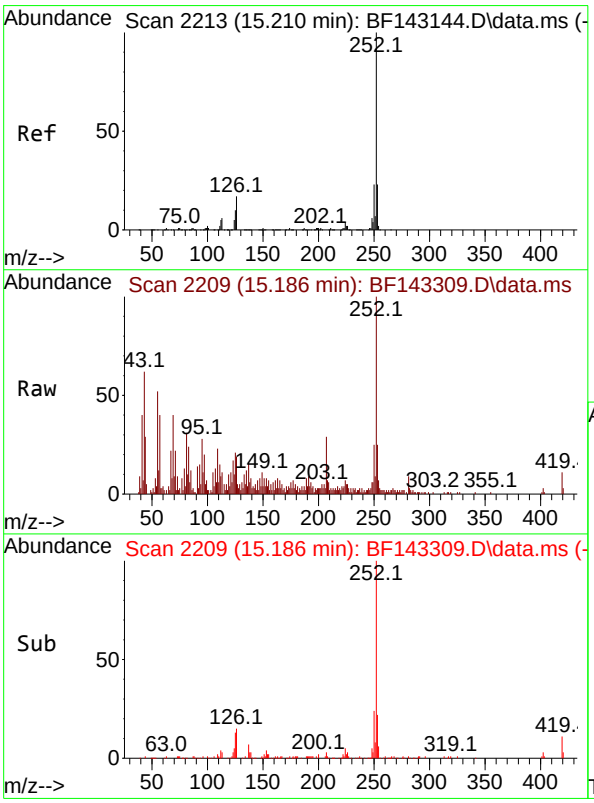
#88
Benzo(b)fluoranthene
Concen: 2.752 ng
RT: 15.186 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-OG3-073125

Tgt Ion:252 Resp: 39267

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.5	26.3
125	21.1	8.0	12.0#

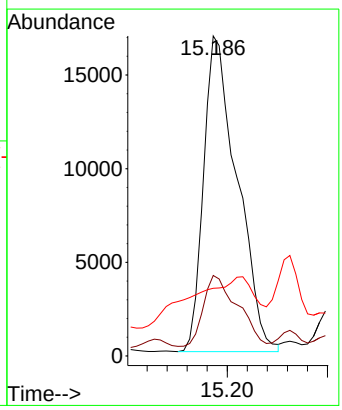




#89
Benzo(k)fluoranthene
Concen: 3.084 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.023 min
Lab File: BF143309.D
Acq: 05 Aug 2025 12:03

Tgt Ion:252 Resp: 39267

Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.8	26.6
125	21.1	8.1	12.1#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143311.D
Acq On : 05 Aug 2025 13:01
Operator : RC/JU
Sample : Q2747-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Quant Time: Aug 05 13:29:50 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	129995	20.000	ng		0.00
21) Naphthalene-d8	8.240	136	487756	20.000	ng		0.00
39) Acenaphthene-d10	9.998	164	228245	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	315254	20.000	ng		0.00
76) Chrysene-d12	14.127	240	238738	20.000	ng		0.00
86) Perylene-d12	15.639	264	200028	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.593	112	608610	74.088	ng		0.00
7) Phenol-d6	6.587	99	781098	75.543	ng		0.00
23) Nitrobenzene-d5	7.516	82	495547	50.643	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	148725	63.075	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	839103	50.278	ng		0.00
79) Terphenyl-d14	13.069	244	646423	40.293	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	66260	9.988	ng	#	80
25) Isophorone	7.516	82	491237	28.438	ng	#	66
32) Benzoic acid	7.957	122	426	5.262	ng		91
51) 2,6-Dinitrotoluene	9.998	165	29678	9.806	ng	#	23
57) 2,4-Dinitrotoluene	9.998	165	29803	7.849	ng	#	21
63) Azobenzene	10.704	77	43128	2.814	ng	#	1
65) 4,6-Dinitro-2-methylph...	10.786	198	263	5.554	ng	#	1
67) 4-Bromophenyl-phenylether	10.786	248	9289	2.472	ng	#	1
75) Fluoranthene	12.698	202	69136	4.500	ng		97
78) Pyrene	12.927	202	58855	2.889	ng		98
81) Benzo(a)anthracene	14.116	228	47782	2.989	ng	#	89
83) Chrysene	14.151	228	57772	4.020	ng	#	95
84) Bis(2-ethylhexyl)phtha...	14.104	149	26361	2.791	ng		98
88) Benzo(b)fluoranthene	15.192	252	102000	8.347	ng	#	91
89) Benzo(k)fluoranthene	15.192	252	102000	9.354	ng	#	92
90) Benzo(a)pyrene	15.569	252	36380	3.231	ng	#	83
92) Benzo(g,h,i)perylene	17.651	276	25346	2.282	ng	#	91

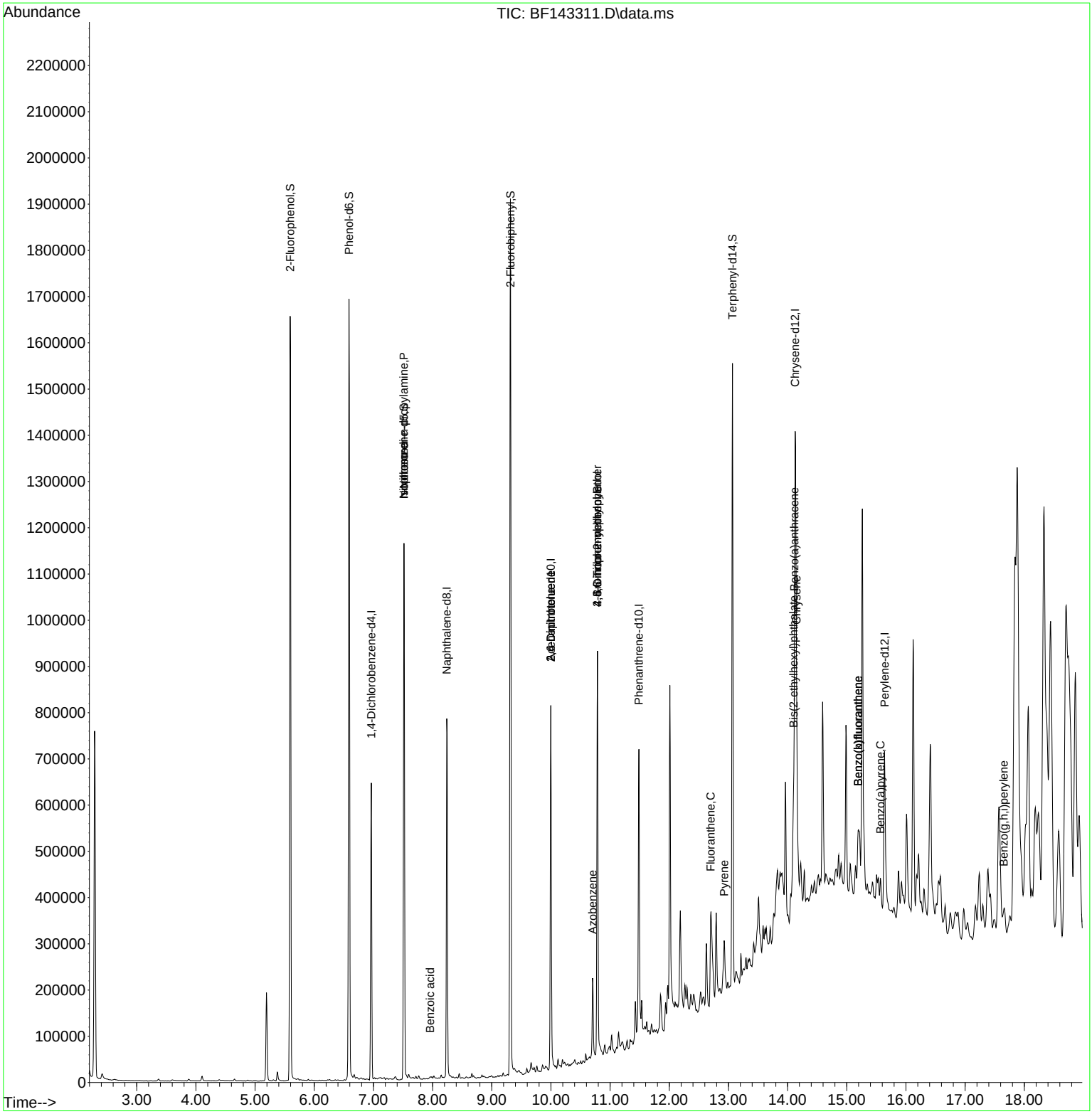
(#) = qualifier out of range (m) = manual integration (+) = signals summed

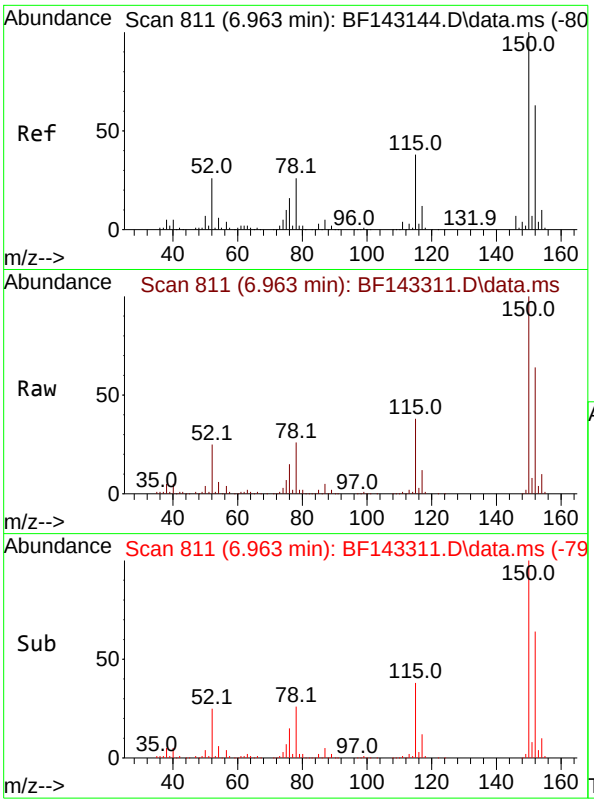
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143311.D
Acq On : 05 Aug 2025 13:01
Operator : RC/JU
Sample : Q2747-07
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Quant Time: Aug 05 13:29:50 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



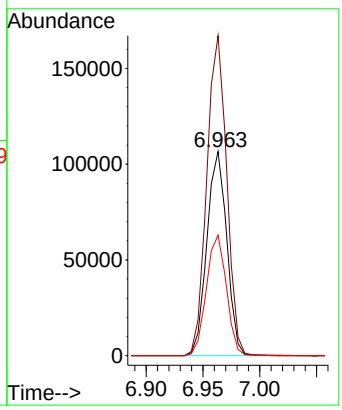


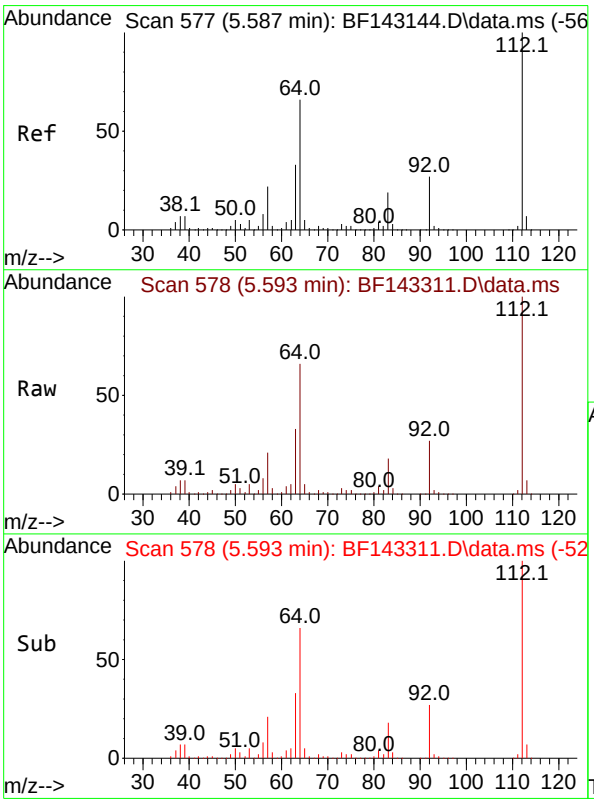
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:152 Resp: 129995

Ion	Ratio	Lower	Upper
152	100		
150	156.8	128.2	192.4
115	59.0	47.9	71.9

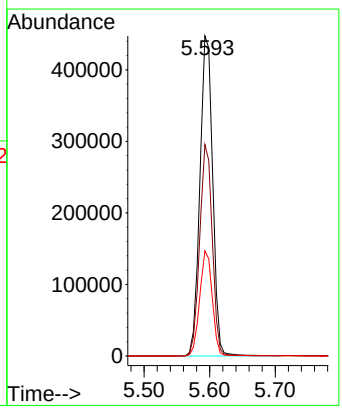


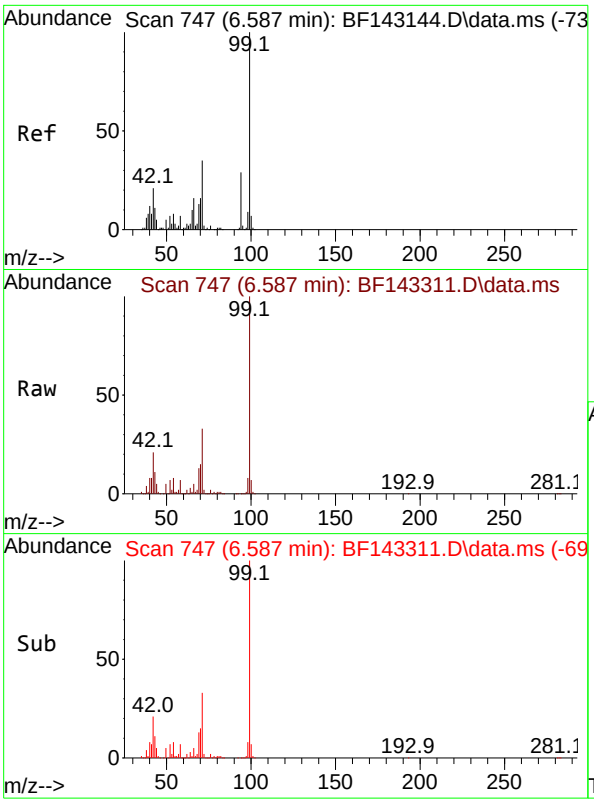


#5
2-Fluorophenol
Concen: 74.088 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:112 Resp: 608610

Ion	Ratio	Lower	Upper
112	100		
64	66.1	53.1	79.7
63	32.8	26.6	40.0



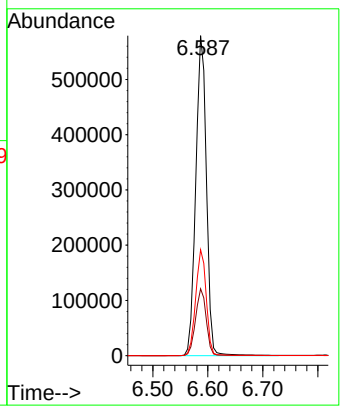


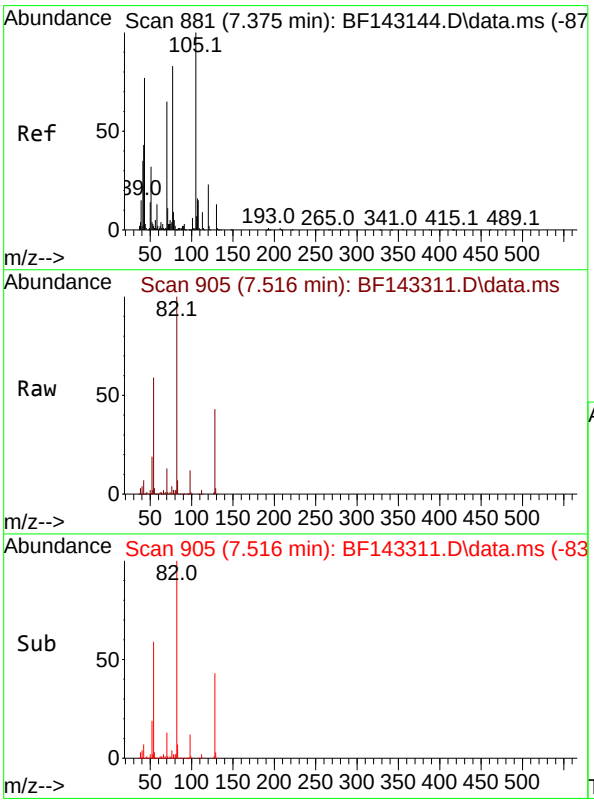
#7
Phenol-d6
Concen: 75.543 ng
RT: 6.587 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion: 99 Resp: 781098

Ion	Ratio	Lower	Upper
99	100		
42	20.9	17.0	25.6
71	33.1	27.7	41.5

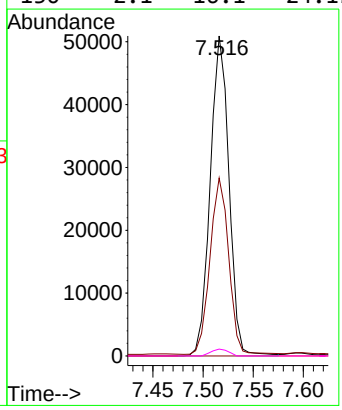


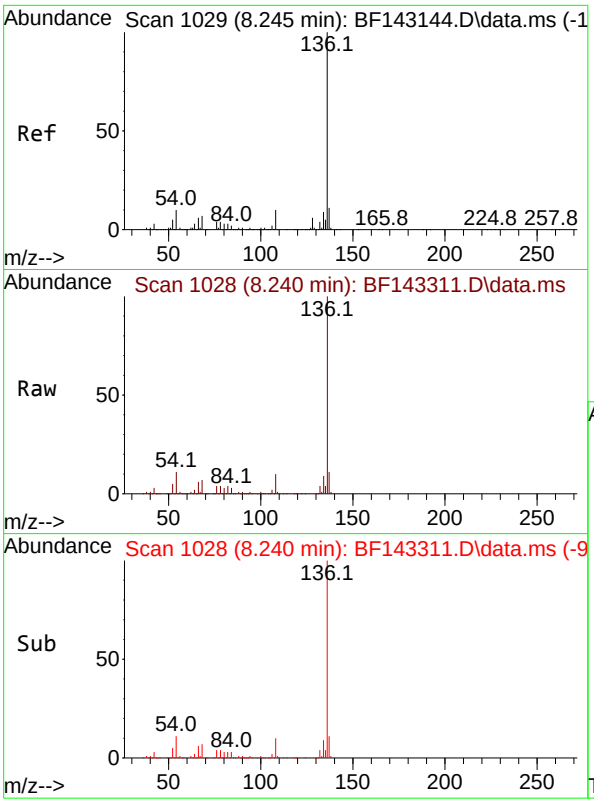


#19
n-Nitroso-di-n-propylamine
Concen: 9.988 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion: 70 Resp: 66260

Ion	Ratio	Lower	Upper
70	100		
42	55.6	52.5	78.7
101	0.0	7.6	11.4#
130	2.1	16.1	24.1#



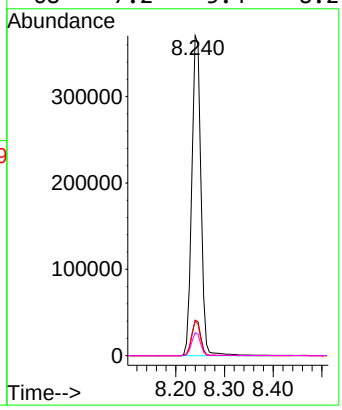


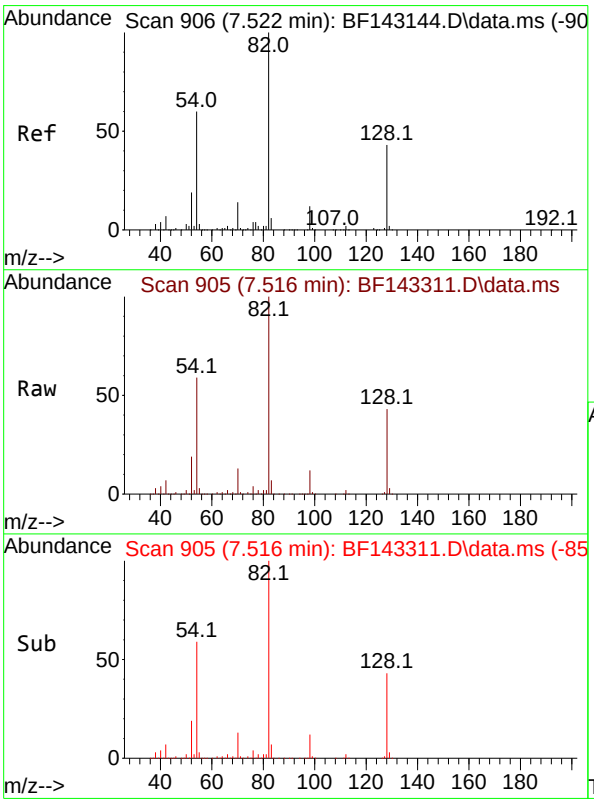
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1(
Delta R.T. -0.005 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:136 Resp: 487756

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	10.9	8.2	12.2
68	7.2	5.4	8.2

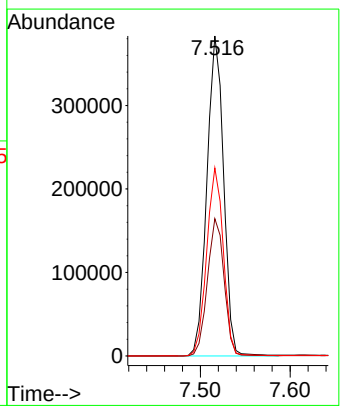


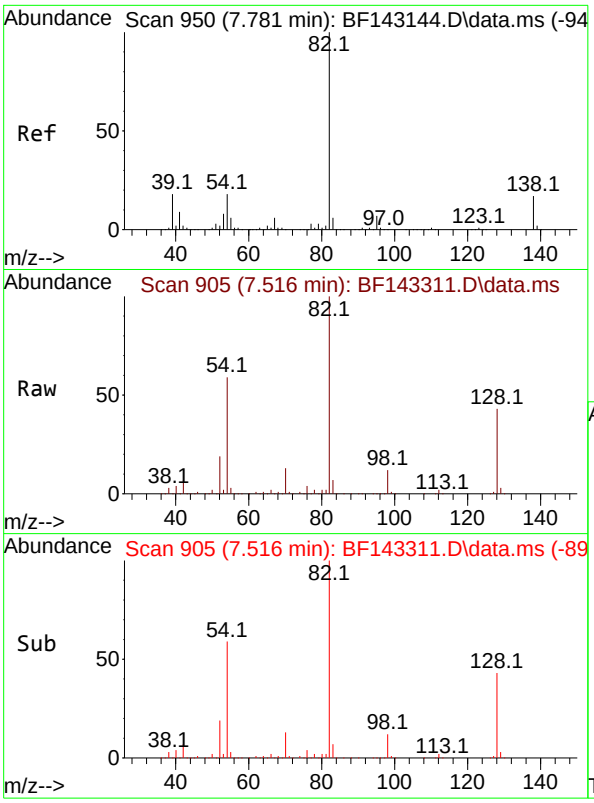


#23
Nitrobenzene-d5
Concen: 50.643 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion: 82 Resp: 495547

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.6	50.4
54	58.8	47.1	70.7



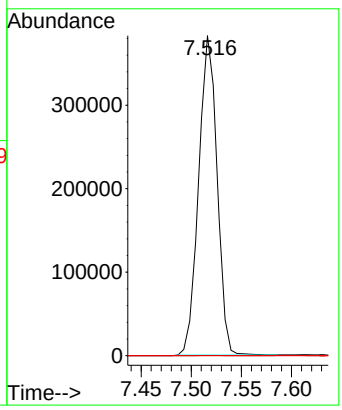


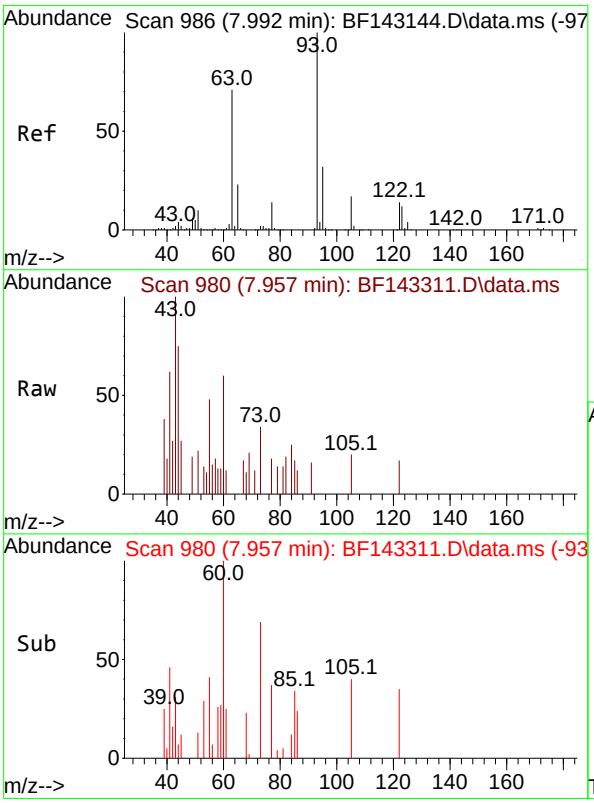
#25
Isophorone
Concen: 28.438 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion: 82 Resp: 491237

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.5	8.3#
138	0.0	13.8	20.8#

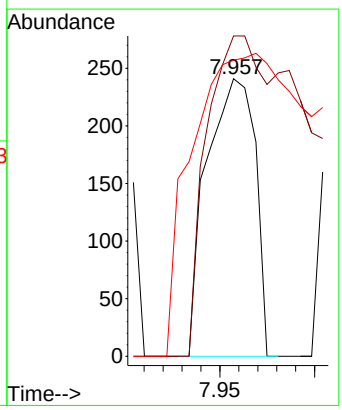


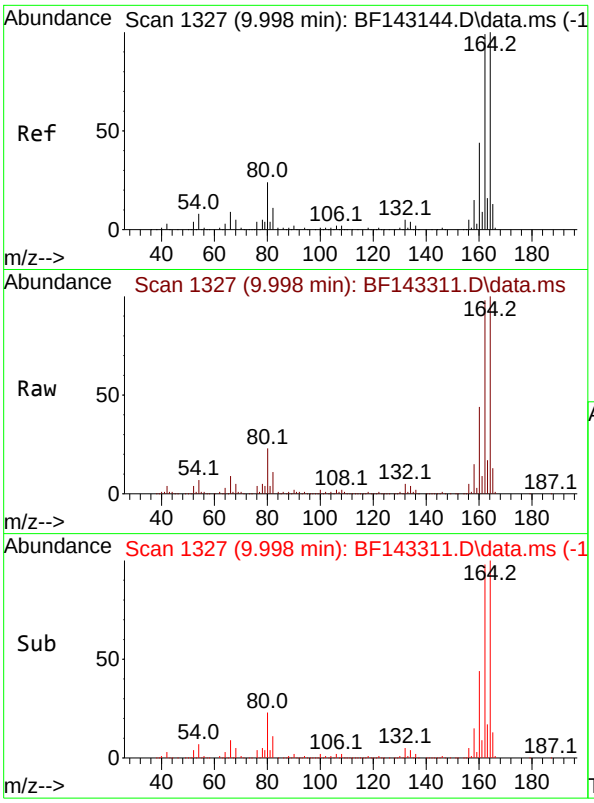


#32
Benzoic acid
Concen: 5.262 ng
RT: 7.957 min Scan# 980
Delta R.T. -0.035 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:122 Resp: 426

Ion	Ratio	Lower	Upper
122	100		
105	115.4	104.8	144.8
77	106.6	77.6	117.6



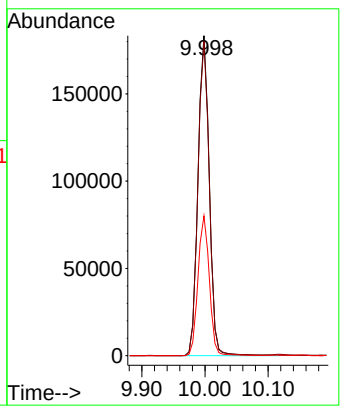


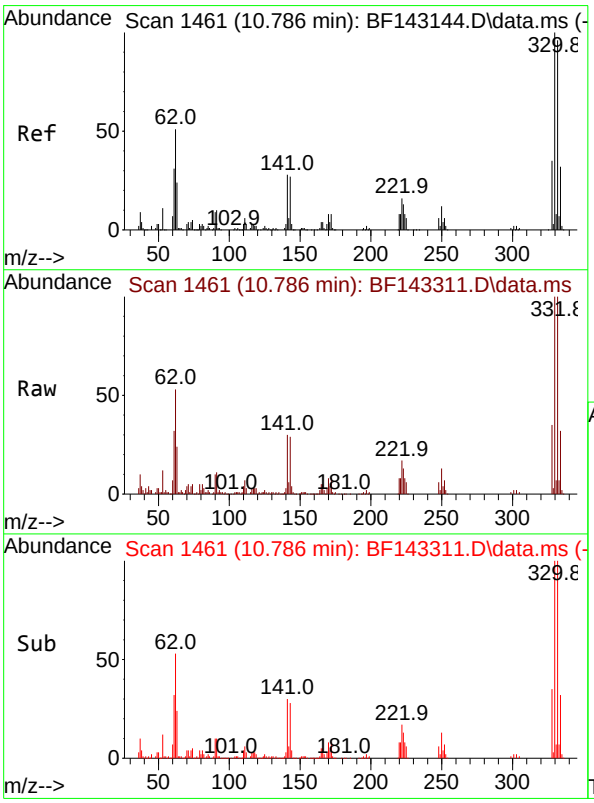
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:164 Resp: 228245

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.0	118.6
160	43.7	35.1	52.7

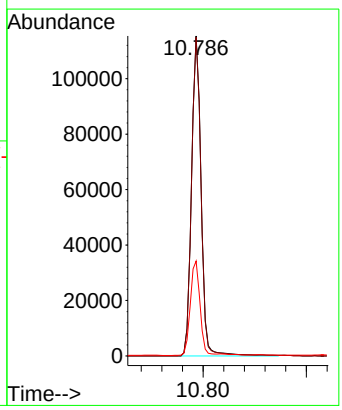


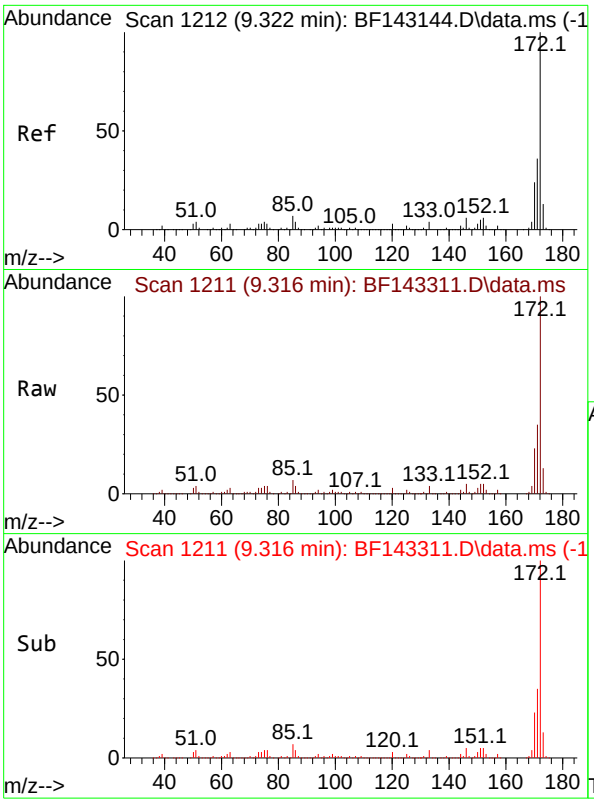


#42
2,4,6-Tribromophenol
Concen: 63.075 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:330 Resp: 148725

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.7	115.1
141	29.6	23.3	34.9



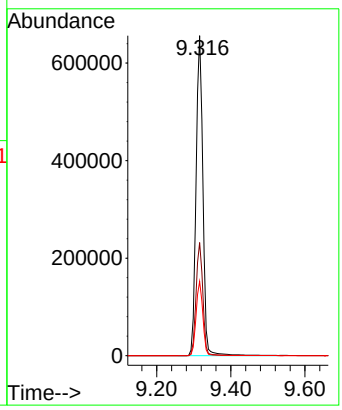


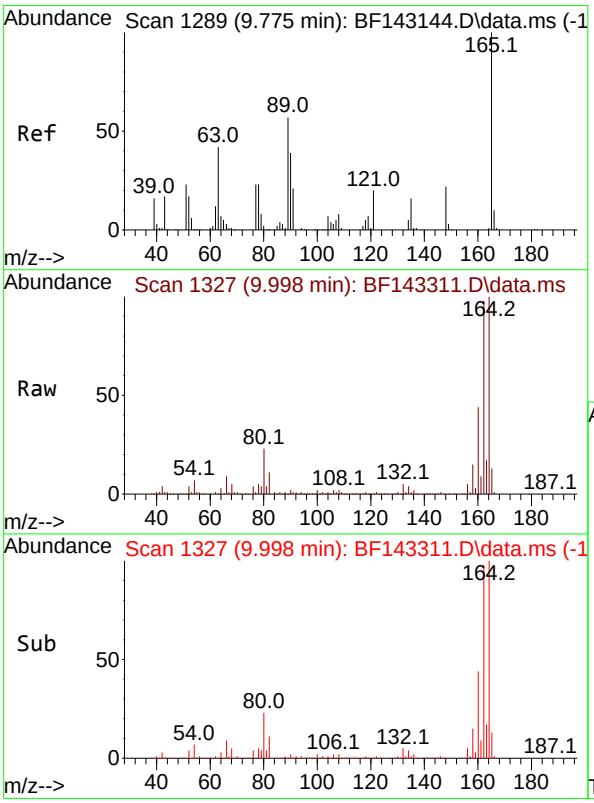
#45
2-Fluorobiphenyl
Concen: 50.278 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:172 Resp: 839103

Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.6	42.8
170	23.2	18.8	28.2

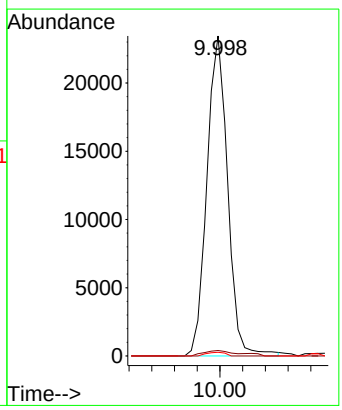


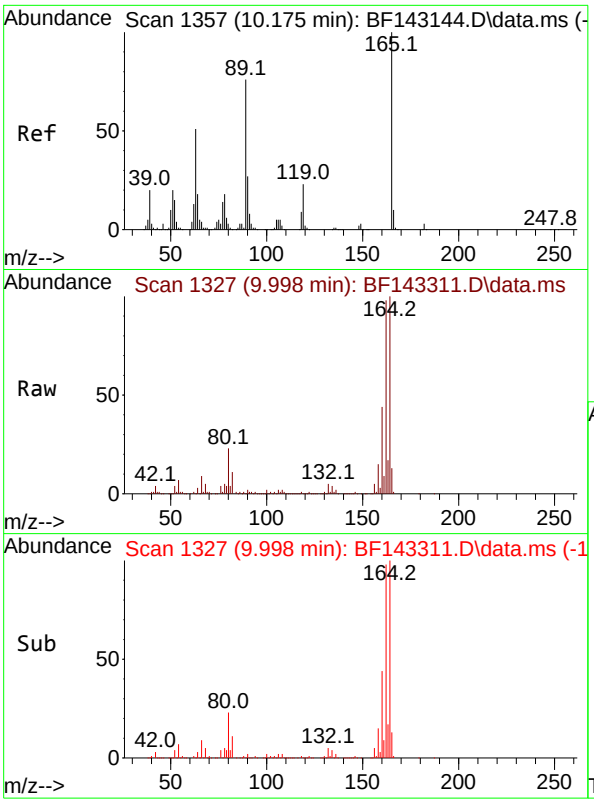


#51
2,6-Dinitrotoluene
Concen: 9.806 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.224 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:165 Resp: 29678

Ion	Ratio	Lower	Upper
165	100		
63	1.7	49.4	74.2#
89	1.2	46.2	69.2#



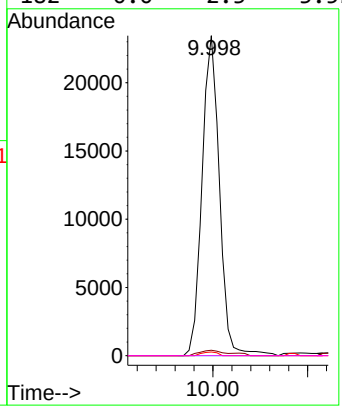


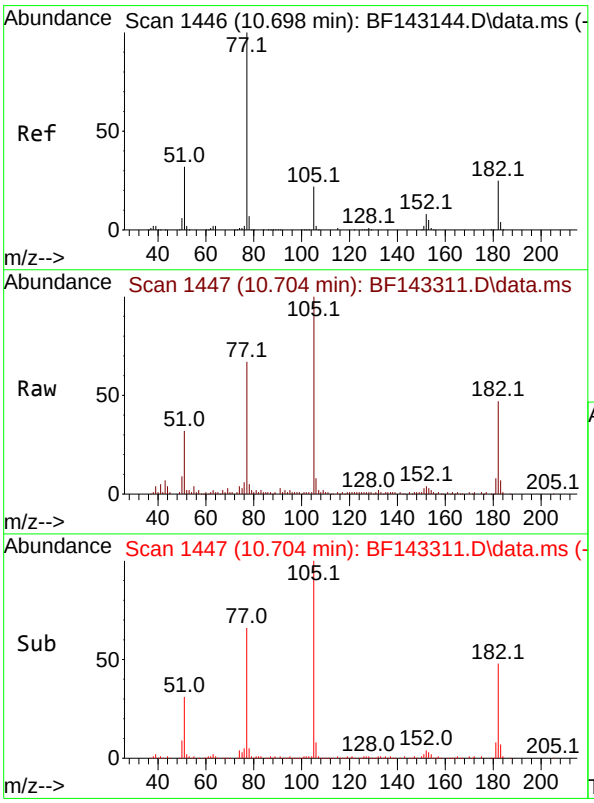
#57
2,4-Dinitrotoluene
Concen: 7.849 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.176 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:165 Resp: 29803

Ion	Ratio	Lower	Upper
165	100		
63	1.7	41.0	61.4#
89	1.2	61.1	91.7#
182	0.0	2.3	3.5#

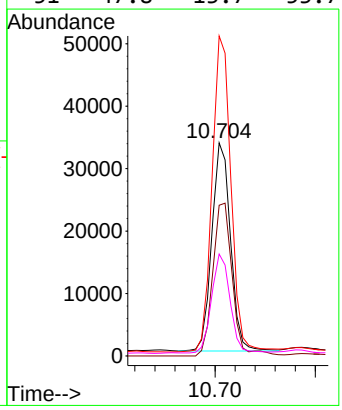


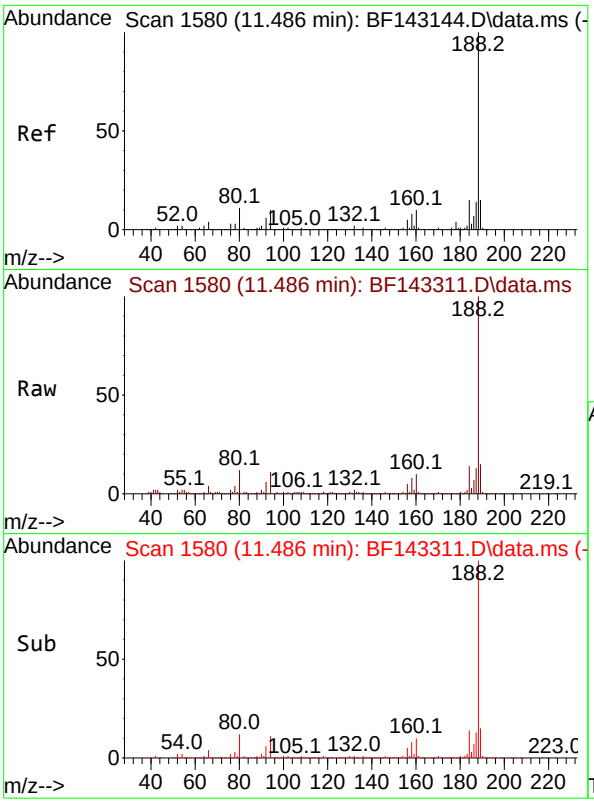


#63
Azobenzene
Concen: 2.814 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion: 77 Resp: 43128

Ion	Ratio	Lower	Upper
77	100		
182	70.7	4.6	44.6#
105	150.1	1.4	41.4#
51	47.8	13.7	53.7



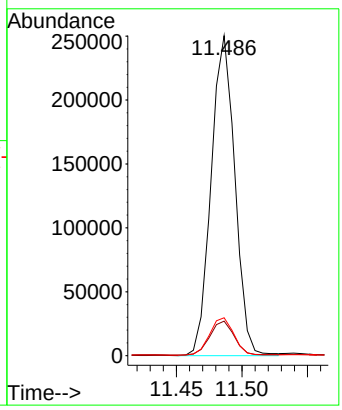


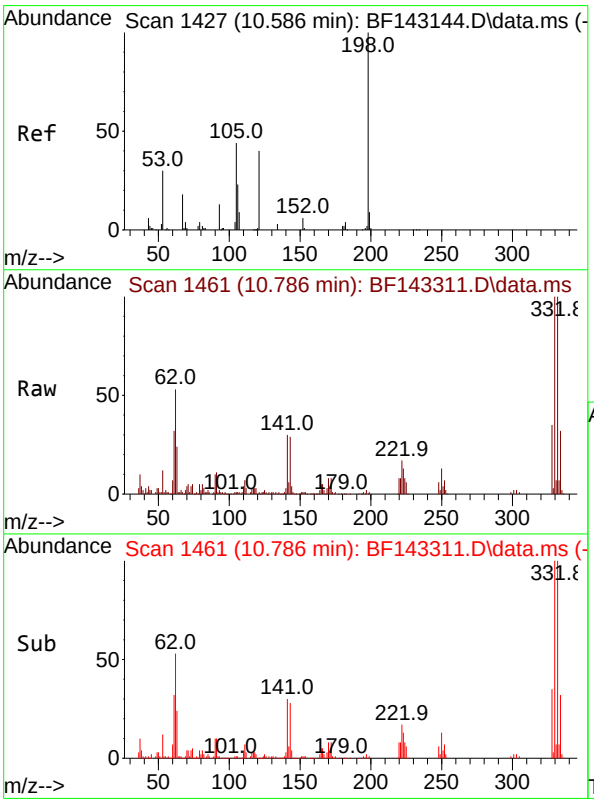
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:188 Resp: 315254

Ion	Ratio	Lower	Upper
188	100		
94	10.8	8.3	12.5
80	11.9	9.0	13.6

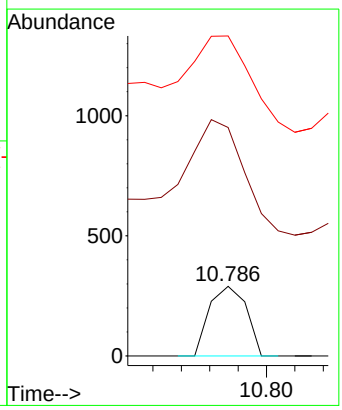


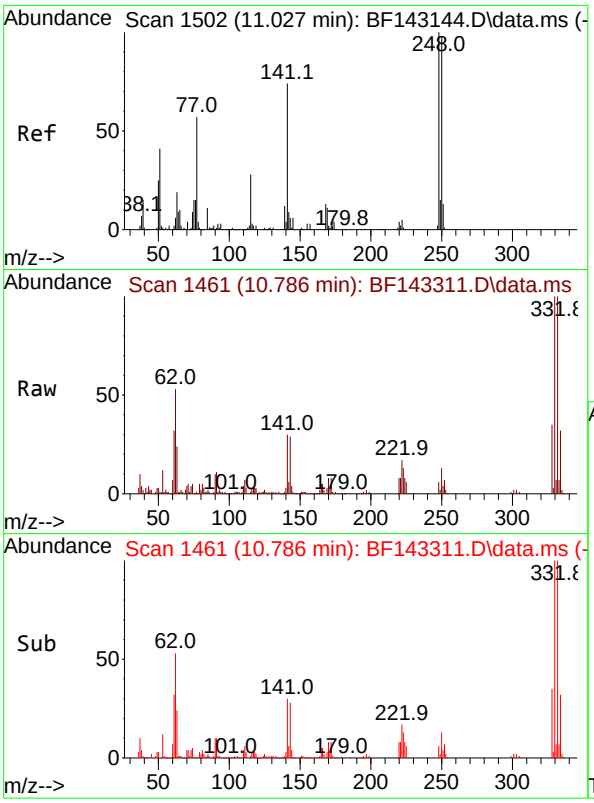


#65
4,6-Dinitro-2-methylphenol
Concen: 5.554 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:198 Resp: 263

Ion	Ratio	Lower	Upper
198	100		
51	327.9	37.2	77.2#
105	459.3	24.8	64.8#



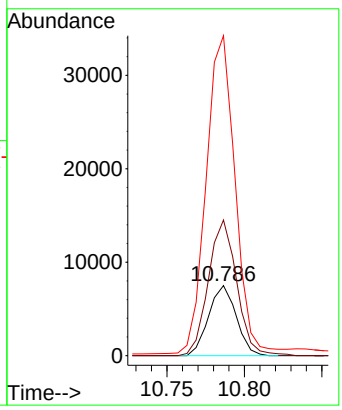


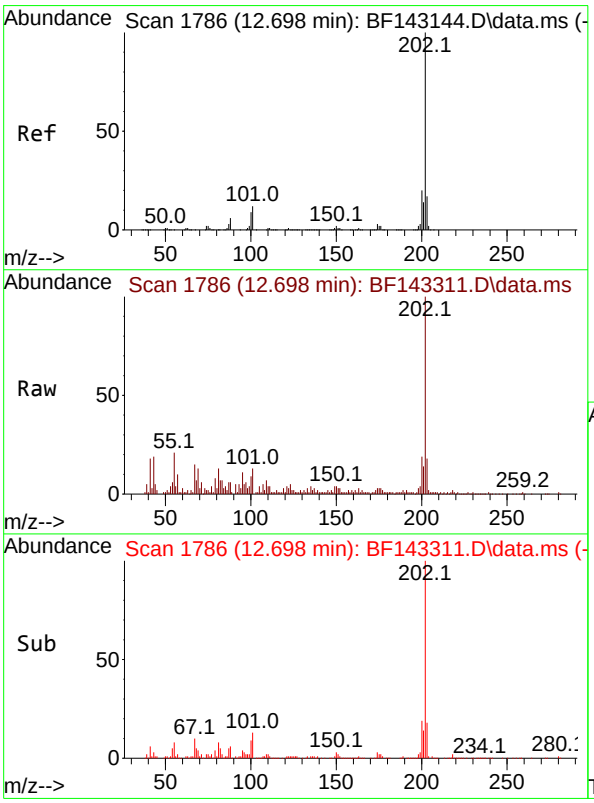
#67
4-Bromophenyl-phenylether
Concen: 2.472 ng
RT: 10.786 min Scan# 1
Delta R.T. -0.241 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:248 Resp: 9289

Ion	Ratio	Lower	Upper
248	100		
250	193.4	78.3	117.5#
141	456.4	59.2	88.8#

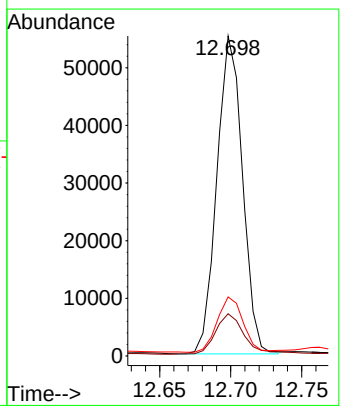


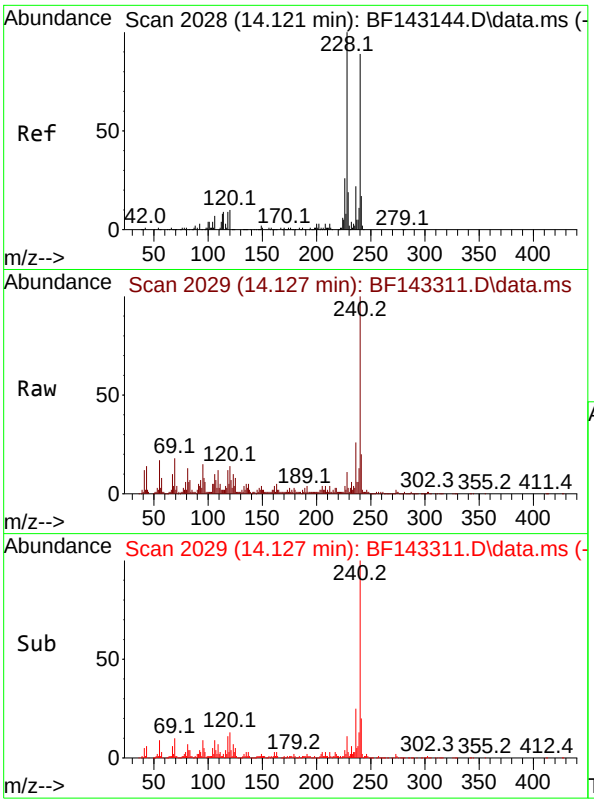


#75
Fluoranthene
Concen: 4.500 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:202 Resp: 69136

Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	31.7
203	18.4	0.0	37.4



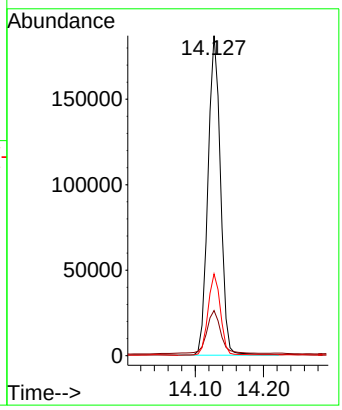


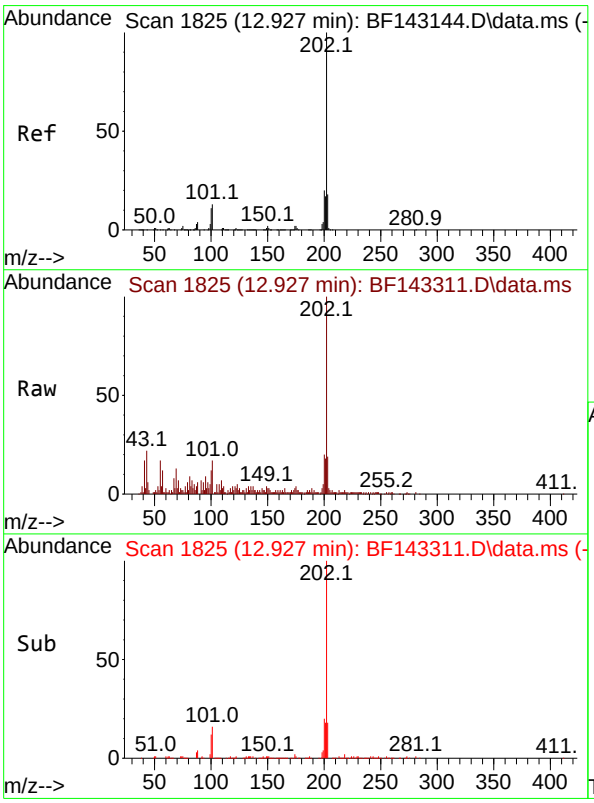
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:240 Resp: 238738

Ion	Ratio	Lower	Upper
240	100		
120	14.1	9.4	14.2
236	25.5	20.2	30.4

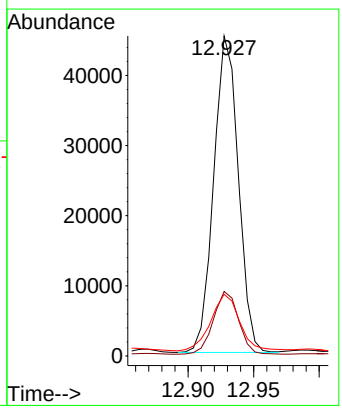


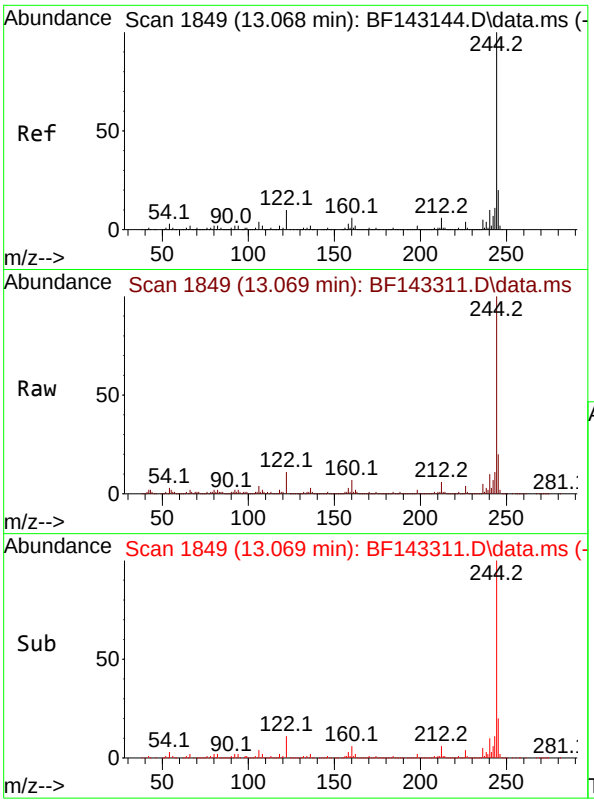


#78
Pyrene
Concen: 2.889 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:202 Resp: 58855

Ion	Ratio	Lower	Upper
202	100		
200	20.2	15.7	23.5
203	19.2	14.2	21.2



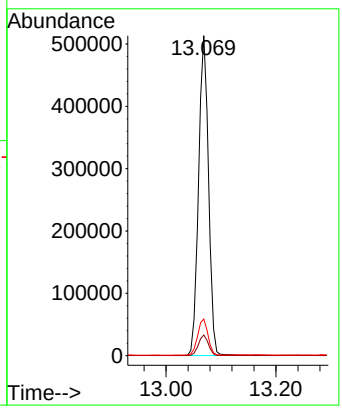


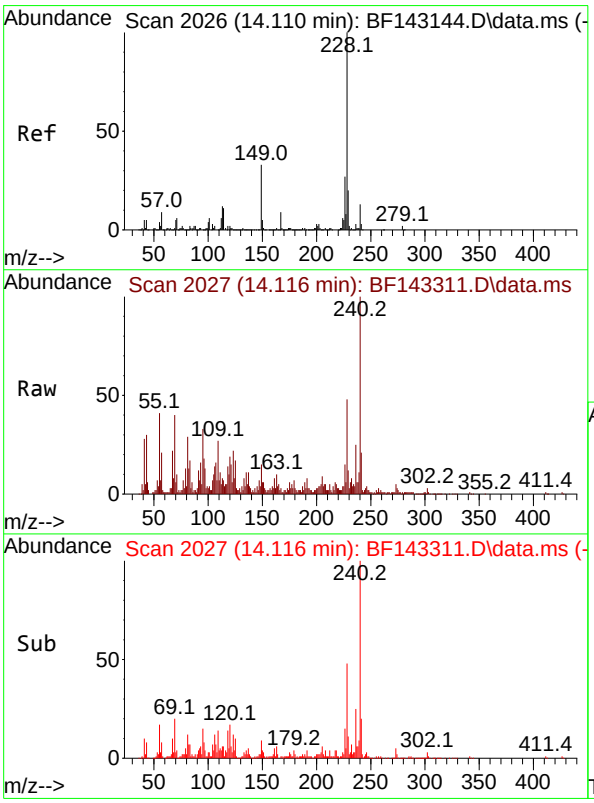
#79
Terphenyl-d14
Concen: 40.293 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:244 Resp: 646423

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.5	8.2	12.2

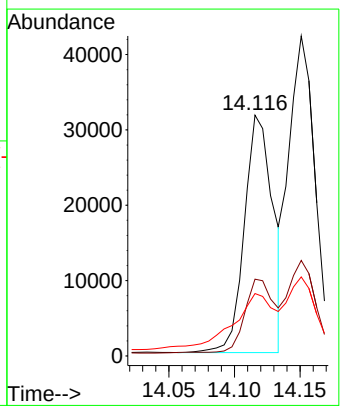


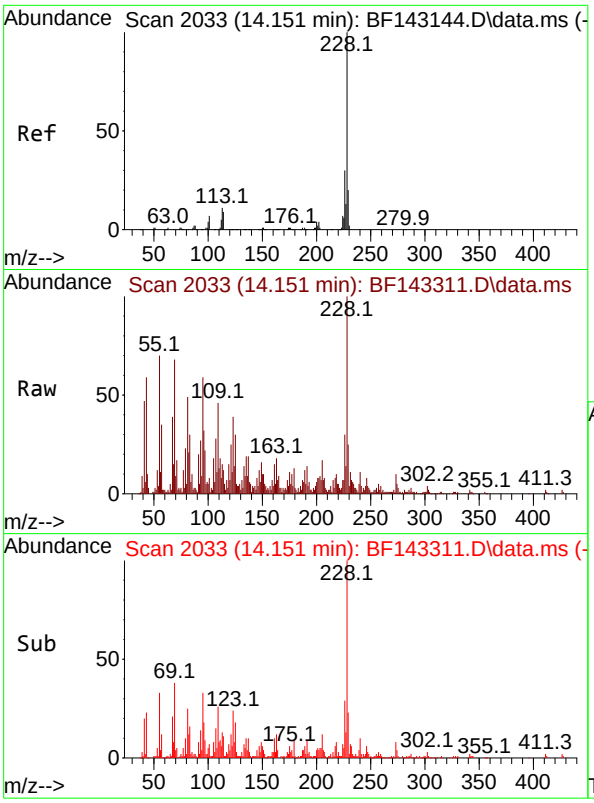


#81
Benzo(a)anthracene
Concen: 2.989 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:228 Resp: 47782

Ion	Ratio	Lower	Upper
228	100		
226	31.9	21.7	32.5
229	25.9	15.8	23.6#



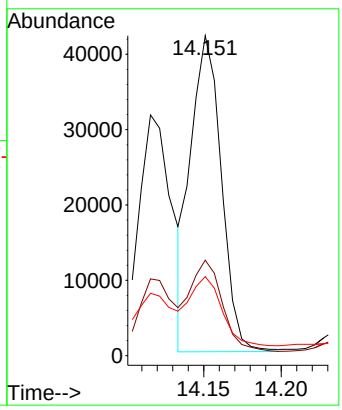


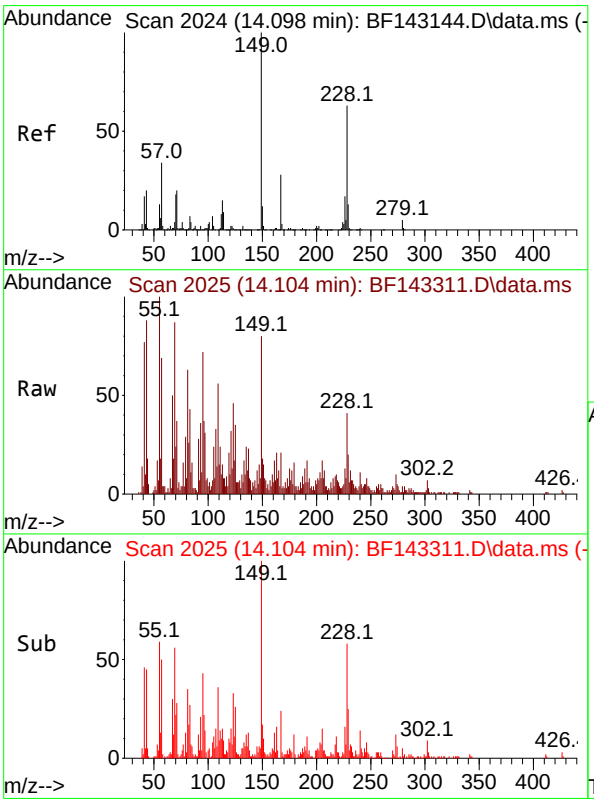
#83
Chrysene
Concen: 4.020 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:228 Resp: 57772

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	24.7	15.6	23.4#

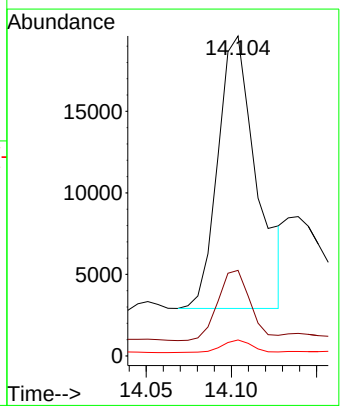


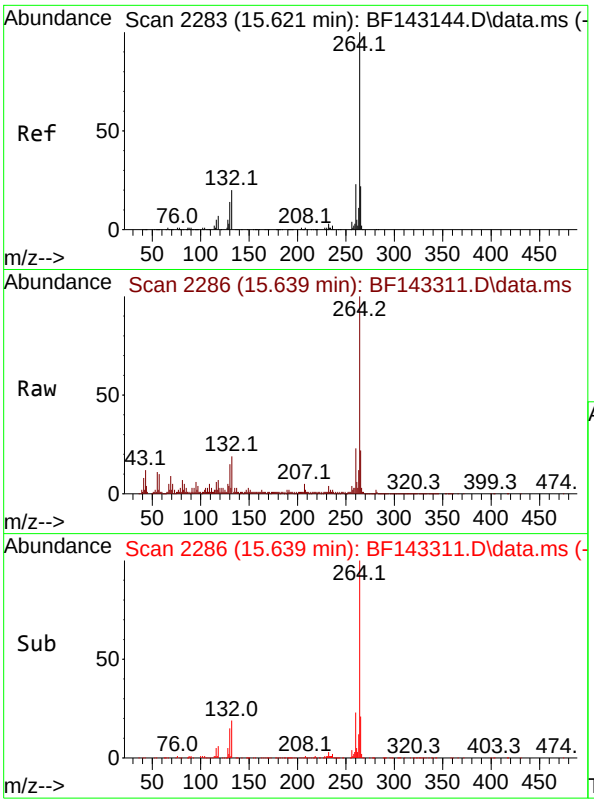


#84
Bis(2-ethylhexyl)phthalate
Concen: 2.791 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:149 Resp: 26361

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.3	33.5
279	5.0	3.6	5.4



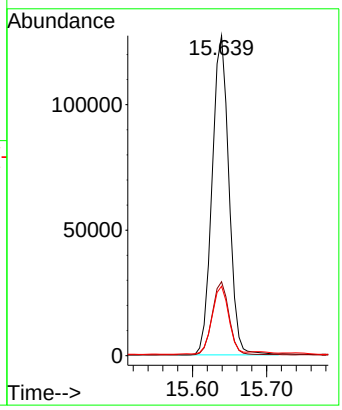


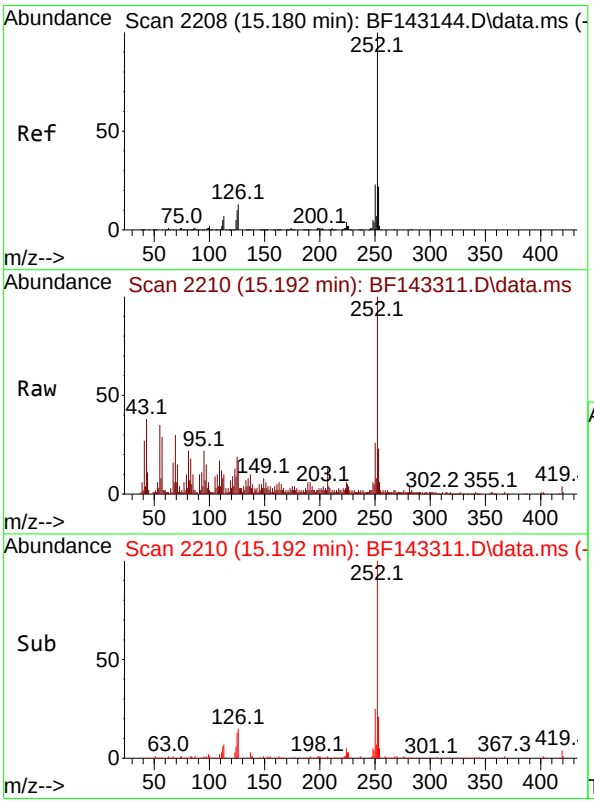
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:264 Resp: 200028

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	21.7	17.4	26.2

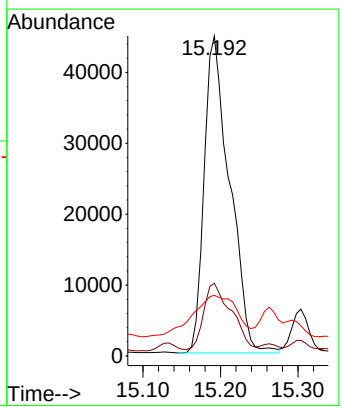


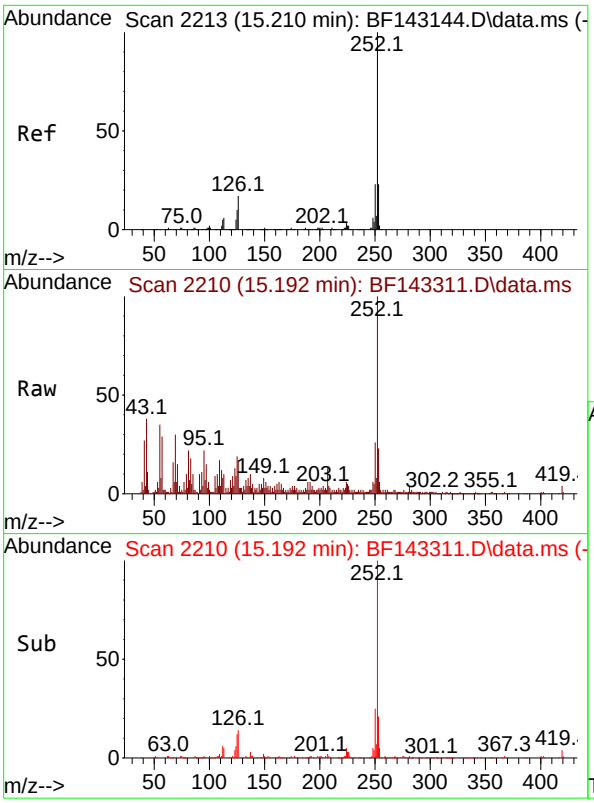


#88
Benzo(b)fluoranthene
Concen: 8.347 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:252 Resp: 102000

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	18.9	8.0	12.0#



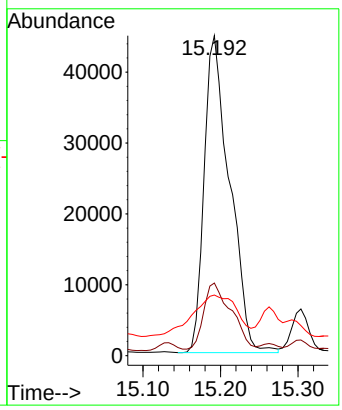


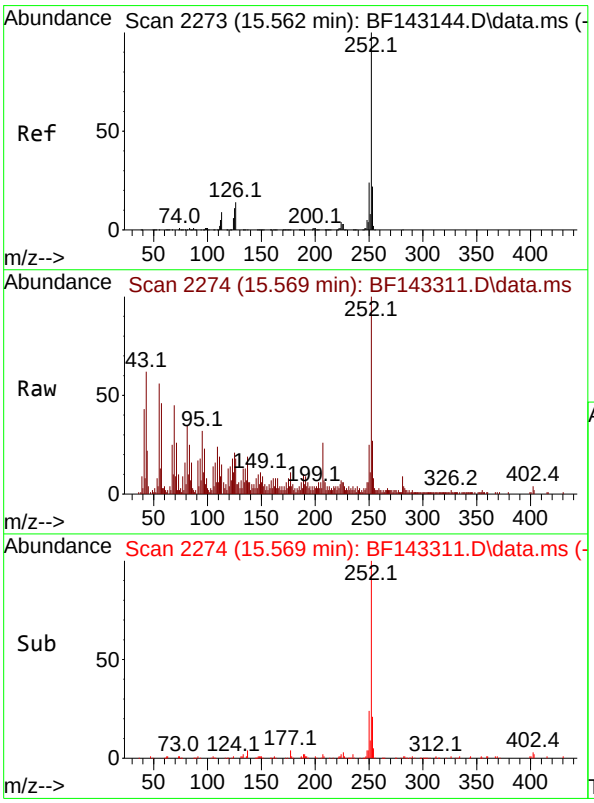
#89
Benzo(k)fluoranthene
Concen: 9.354 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.017 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:252 Resp: 102000

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.8	26.6
125	18.9	8.1	12.1#

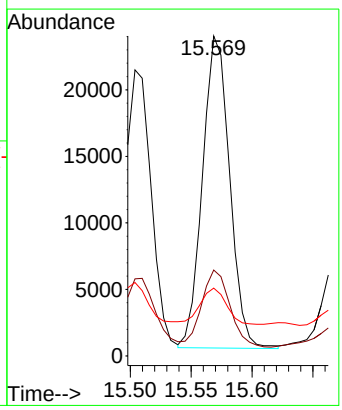


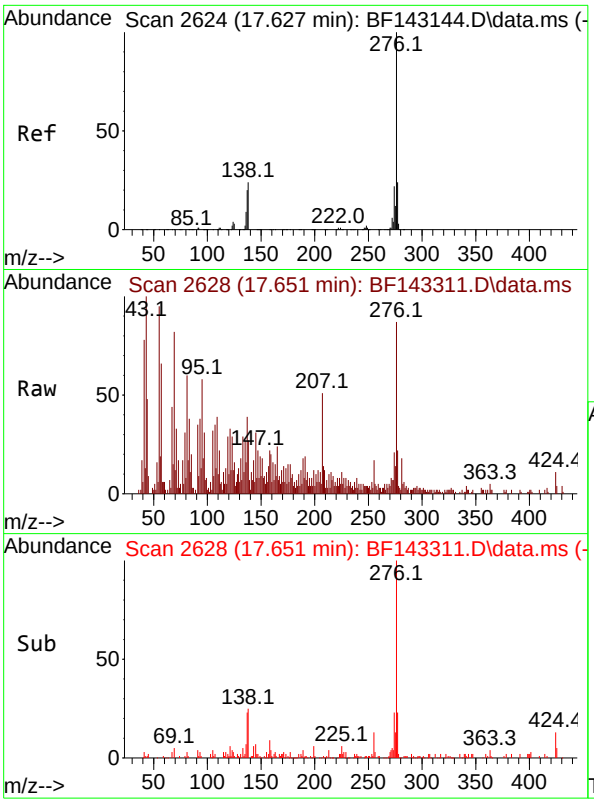


#90
Benzo(a)pyrene
Concen: 3.231 ng
RT: 15.569 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Tgt Ion:252 Resp: 36380

Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.3	25.9#
125	21.2	8.6	13.0#



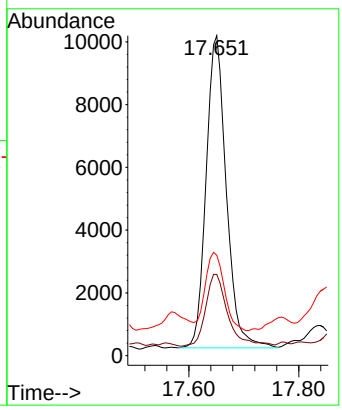


#92
Benzo(g,h,i)perylene
Concen: 2.282 ng
RT: 17.651 min Scan# 2(
Delta R.T. 0.024 min
Lab File: BF143311.D
Acq: 05 Aug 2025 13:01

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP01-073125

Tgt Ion:276 Resp: 25346

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.1	28.7
138	31.4	18.9	28.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Quant Time: Aug 05 13:54:13 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	129316	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	477216	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	212288	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	302538	20.000	ng	0.00
76) Chrysene-d12	14.127	240	244611	20.000	ng	0.00
86) Perylene-d12	15.639	264	192344	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	653373	79.954	ng	0.01
7) Phenol-d6	6.593	99	831785	80.868	ng	0.00
23) Nitrobenzene-d5	7.516	82	531378	55.504	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	158483	72.266	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	890280	57.355	ng	0.00
79) Terphenyl-d14	13.069	244	692861	42.151	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.516	70	71329	10.809	ng #	81
25) Isophorone	7.516	82	524291	31.022	ng #	66
32) Benzoic acid	7.951	122	420	5.262	ng #	66
51) 2,6-Dinitrotoluene	9.998	165	27752	9.859	ng #	23
57) 2,4-Dinitrotoluene	9.998	165	27937	7.910	ng #	21
63) Azobenzene	10.704	77	39420	2.765	ng #	1
65) 4,6-Dinitro-2-methylph...	10.786	198	227	5.539	ng #	1
67) 4-Bromophenyl-phenylether	10.786	248	9858	2.734	ng #	1
75) Fluoranthene	12.698	202	80151	5.436	ng	97
78) Pyrene	12.927	202	70286	3.367	ng	97
81) Benzo(a)anthracene	14.116	228	50916	3.109	ng #	91
83) Chrysene	14.151	228	61539	4.179	ng #	93
87) Indeno(1,2,3-cd)pyrene	17.180	276	29680	2.188	ng	95
88) Benzo(b)fluoranthene	15.192	252	105580	8.985	ng #	90
89) Benzo(k)fluoranthene	15.192	252	105580	10.069	ng #	90
90) Benzo(a)pyrene	15.574	252	41615	3.844	ng #	88
92) Benzo(g,h,i)perylene	17.651	276	28445	2.664	ng #	87

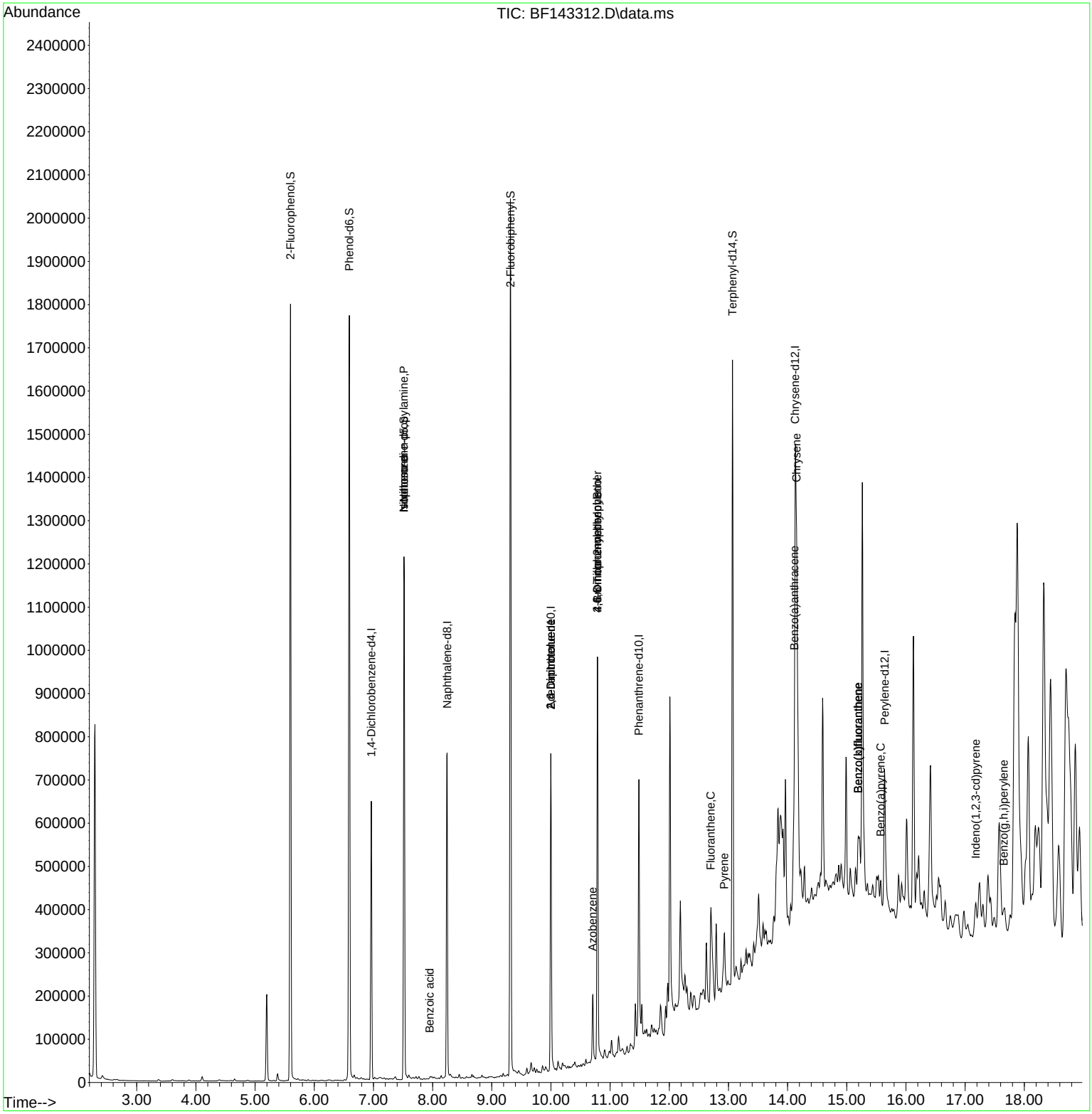
(#) = qualifier out of range (m) = manual integration (+) = signals summed

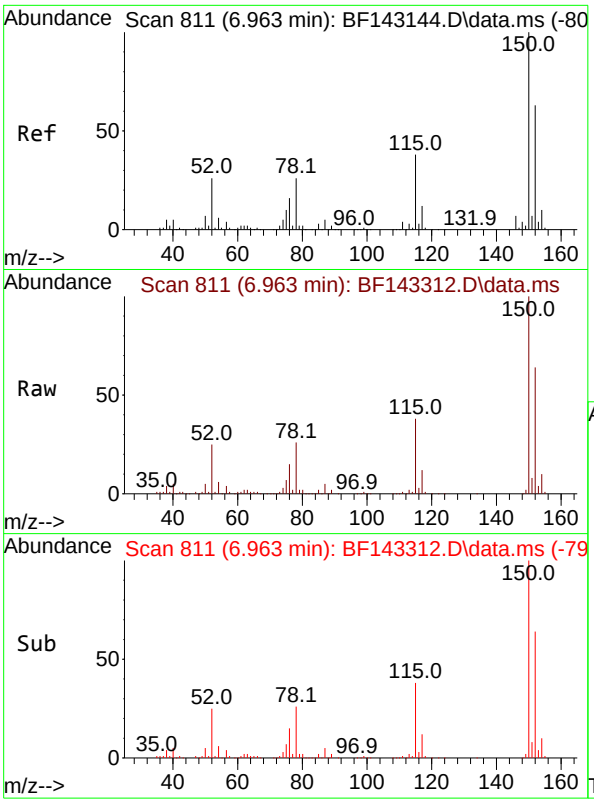
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143312.D
Acq On : 05 Aug 2025 13:30
Operator : RC/JU
Sample : Q2747-09
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Quant Time: Aug 05 13:54:13 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



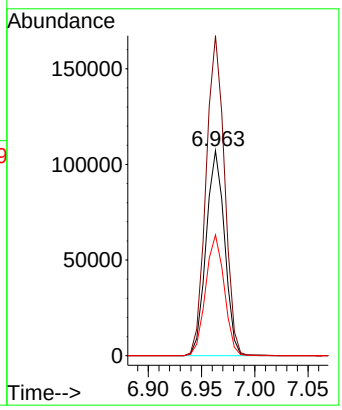


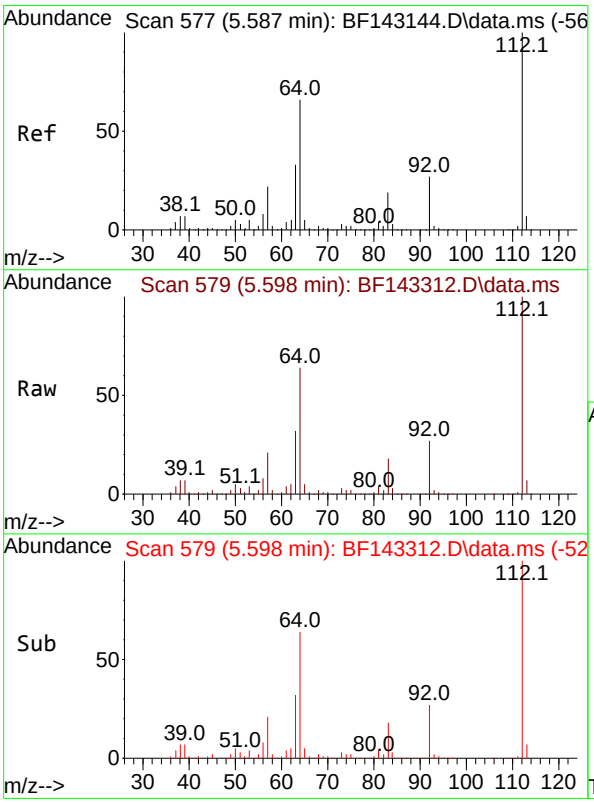
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:152 Resp: 129316

Ion	Ratio	Lower	Upper
152	100		
150	156.1	128.2	192.4
115	58.9	47.9	71.9

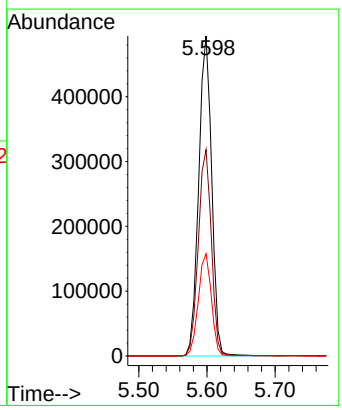


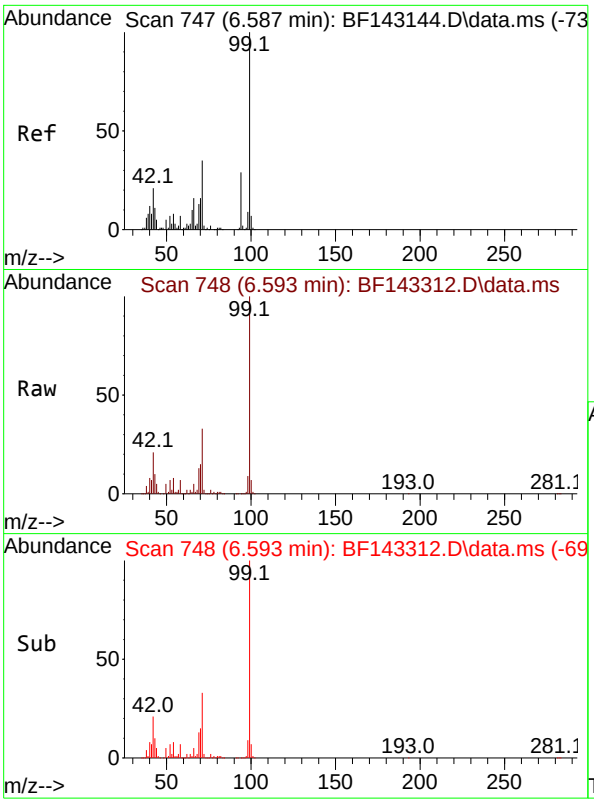


#5
2-Fluorophenol
Concen: 79.954 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:112 Resp: 653373

Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.1	79.7
63	32.0	26.6	40.0



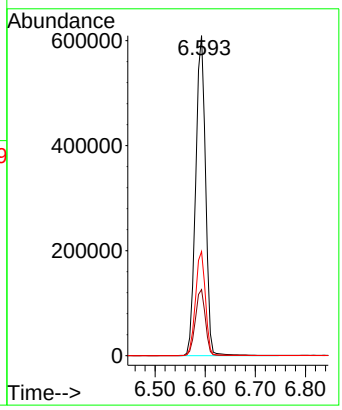


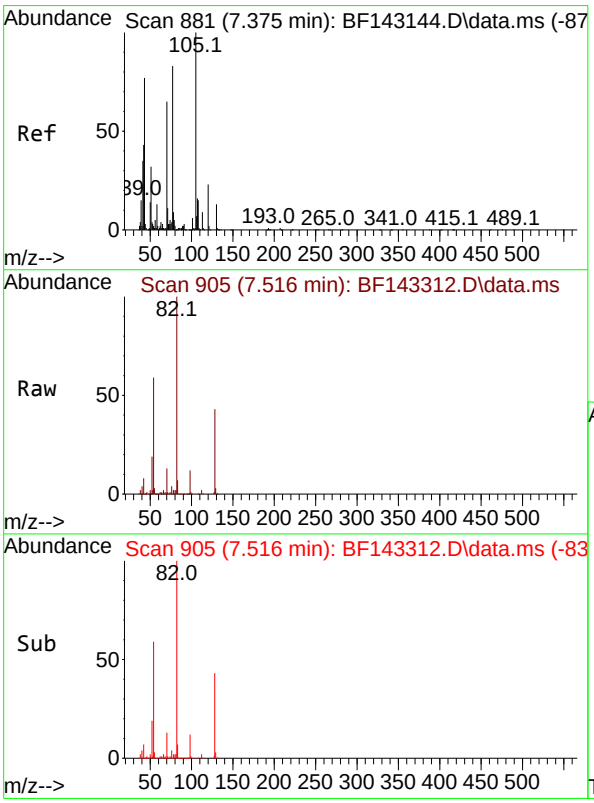
#7
Phenol-d6
Concen: 80.868 ng
RT: 6.593 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion: 99 Resp: 831785

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	32.6	27.7	41.5

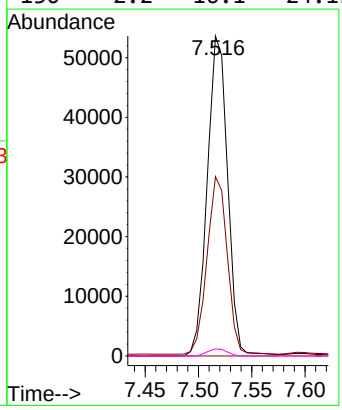


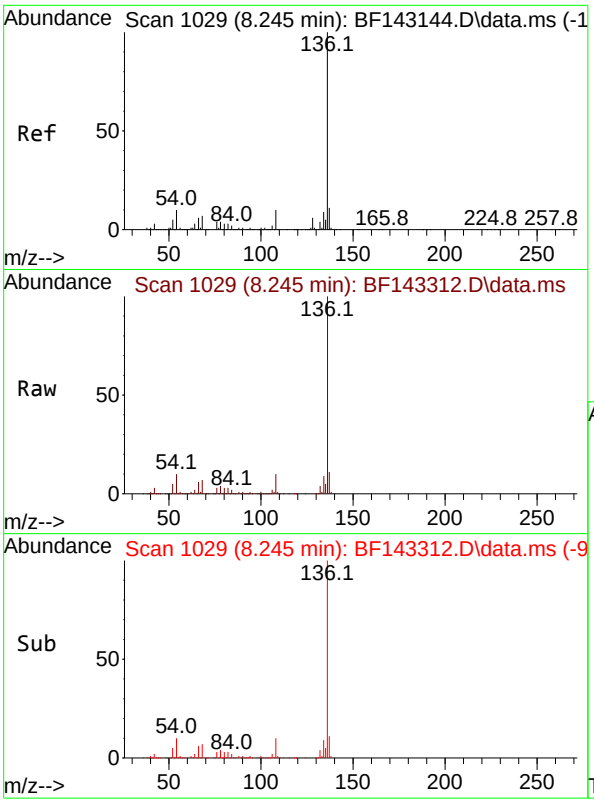


#19
n-Nitroso-di-n-propylamine
Concen: 10.809 ng
RT: 7.516 min Scan# 905
Delta R.T. 0.141 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion: 70 Resp: 71329

Ion	Ratio	Lower	Upper
70	100		
42	56.0	52.5	78.7
101	0.0	7.6	11.4#
130	2.2	16.1	24.1#



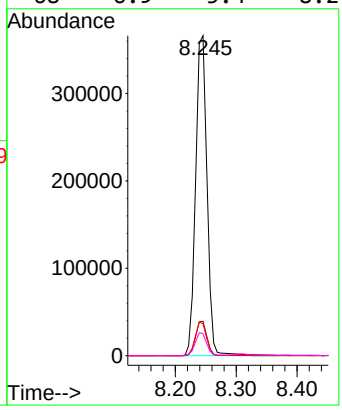


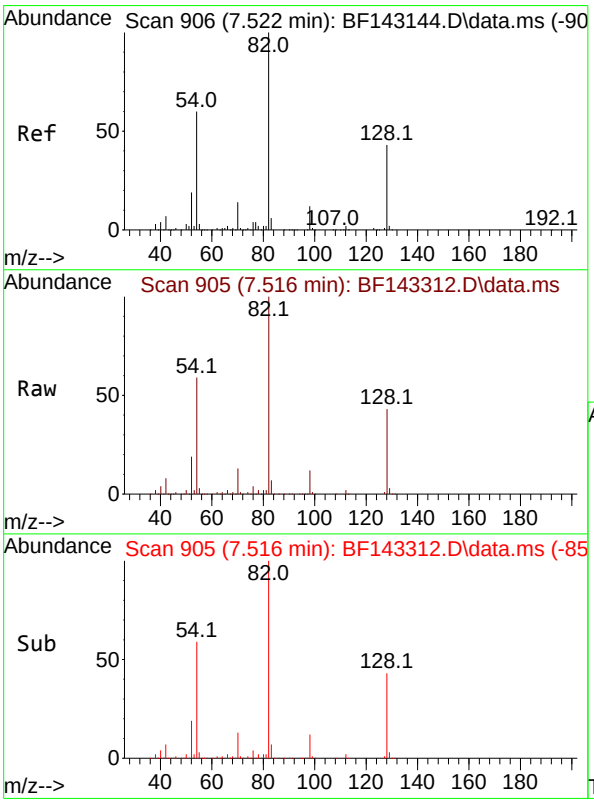
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:136 Resp: 477216

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	10.0	8.2	12.2
68	6.9	5.4	8.2

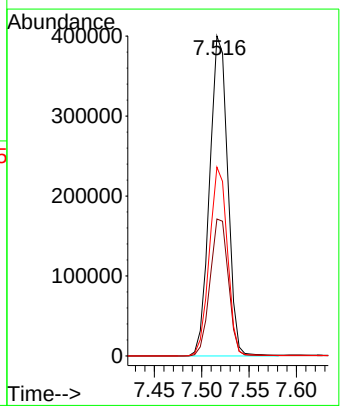


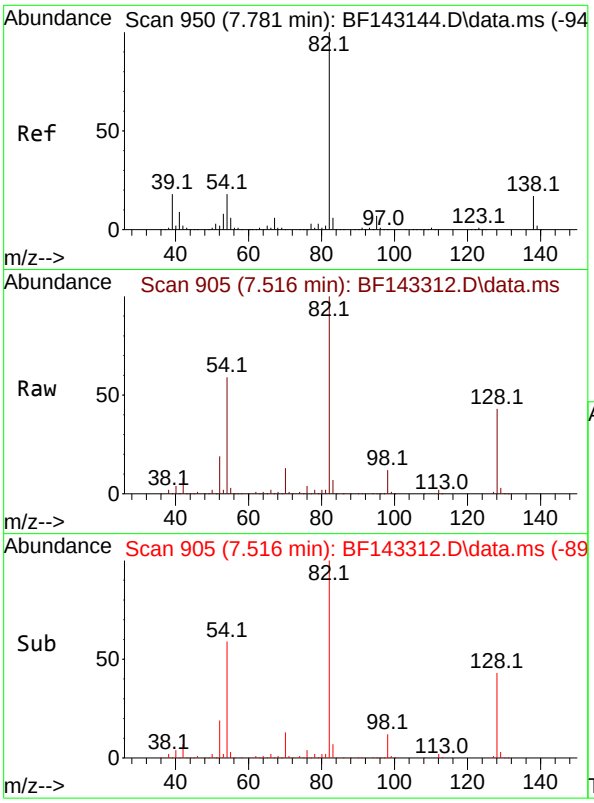


#23
Nitrobenzene-d5
Concen: 55.504 ng
RT: 7.516 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion: 82 Resp: 531378

Ion	Ratio	Lower	Upper
82	100		
128	42.8	33.6	50.4
54	59.0	47.1	70.7



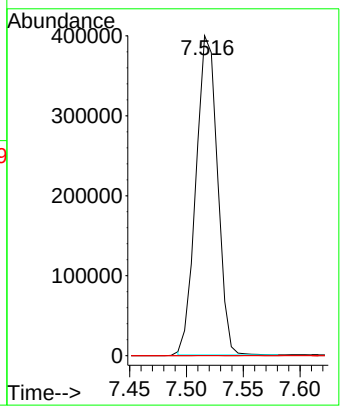


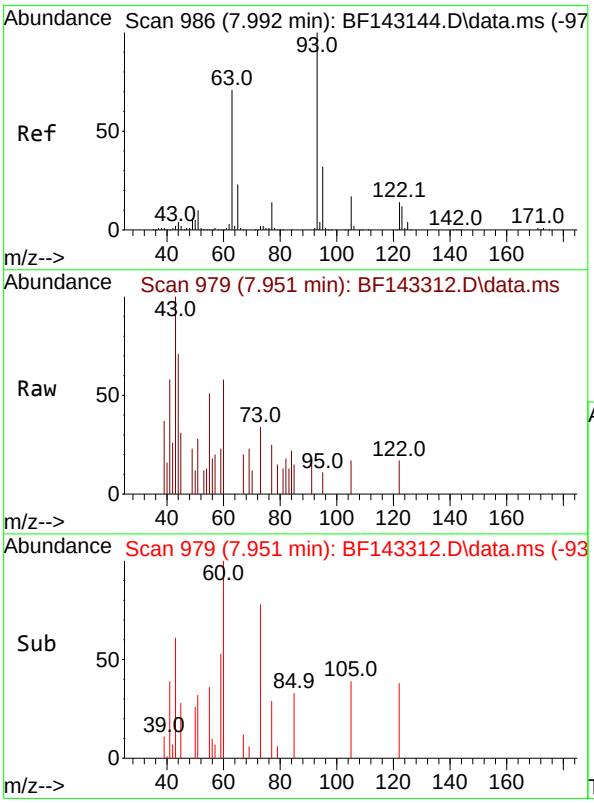
#25
Isophorone
Concen: 31.022 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.265 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion: 82 Resp: 524291

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.5	8.3#
138	0.0	13.8	20.8#

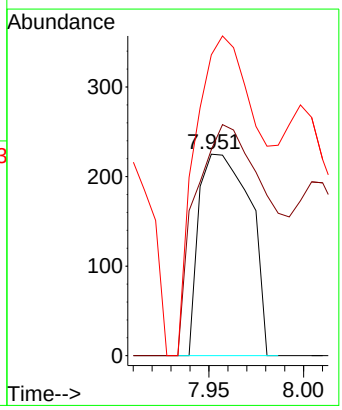


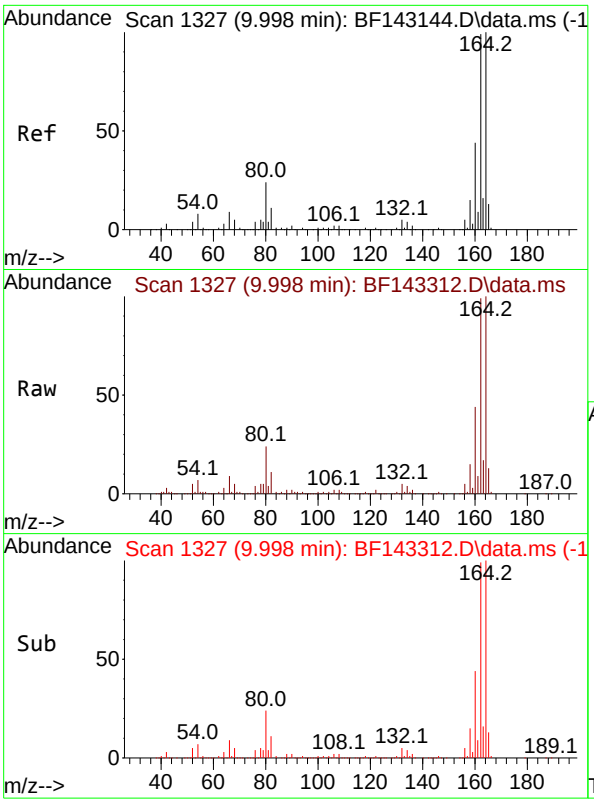


#32
Benzoic acid
Concen: 5.262 ng
RT: 7.951 min Scan# 979
Delta R.T. -0.041 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:122 Resp: 420

Ion	Ratio	Lower	Upper
122	100		
105	102.2	104.8	144.8#
77	149.3	77.6	117.6#



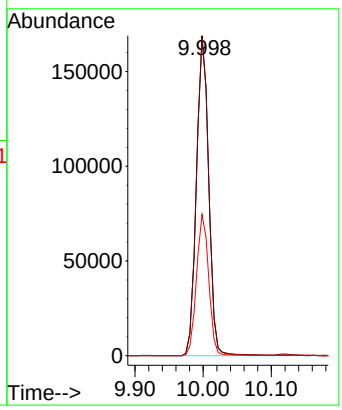


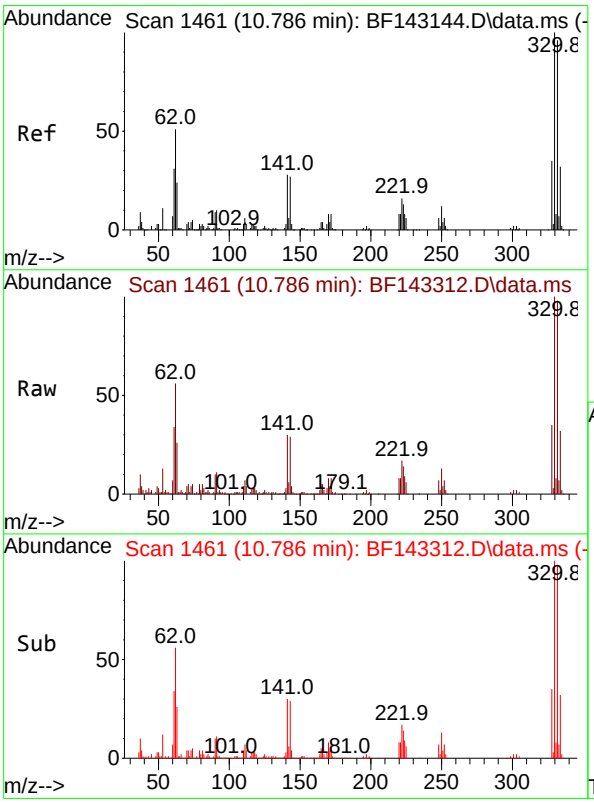
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:164 Resp: 212288

Ion	Ratio	Lower	Upper
164	100		
162	99.5	79.0	118.6
160	44.1	35.1	52.7

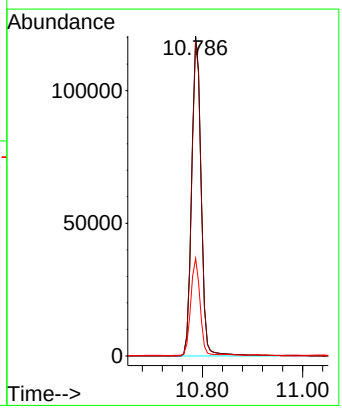


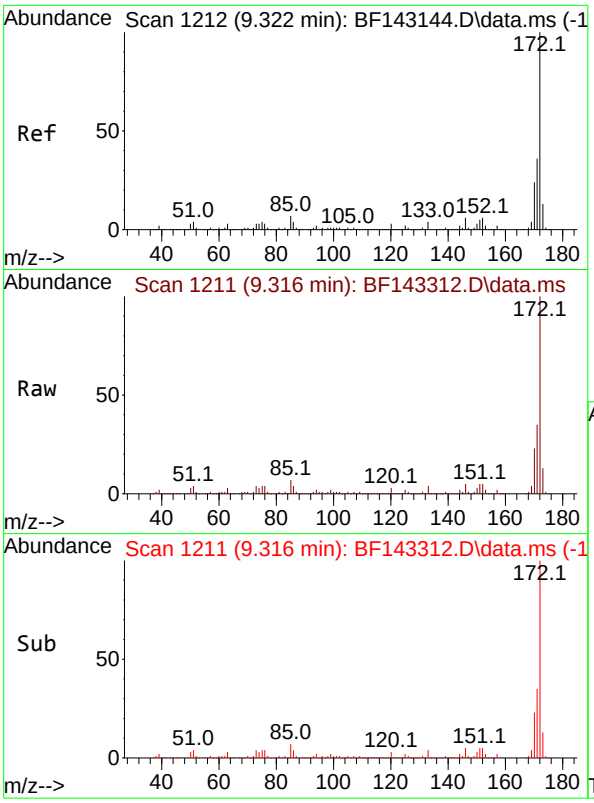


#42
2,4,6-Tribromophenol
Concen: 72.266 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:330 Resp: 158483

Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.7	115.1
141	29.7	23.3	34.9



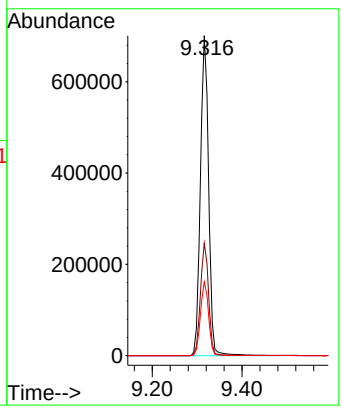


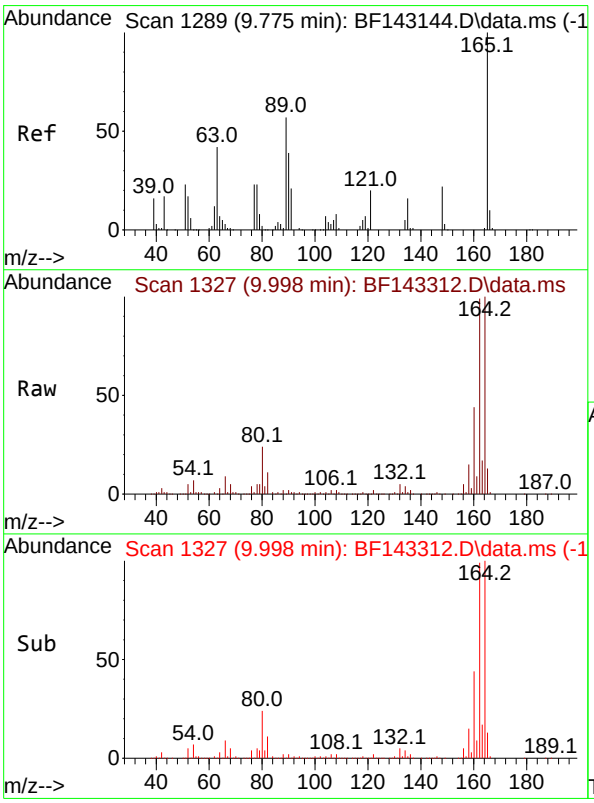
#45
2-Fluorobiphenyl
Concen: 57.355 ng
RT: 9.316 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:172 Resp: 890280

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.6	42.8
170	23.1	18.8	28.2

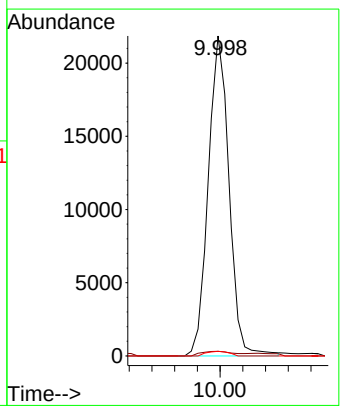


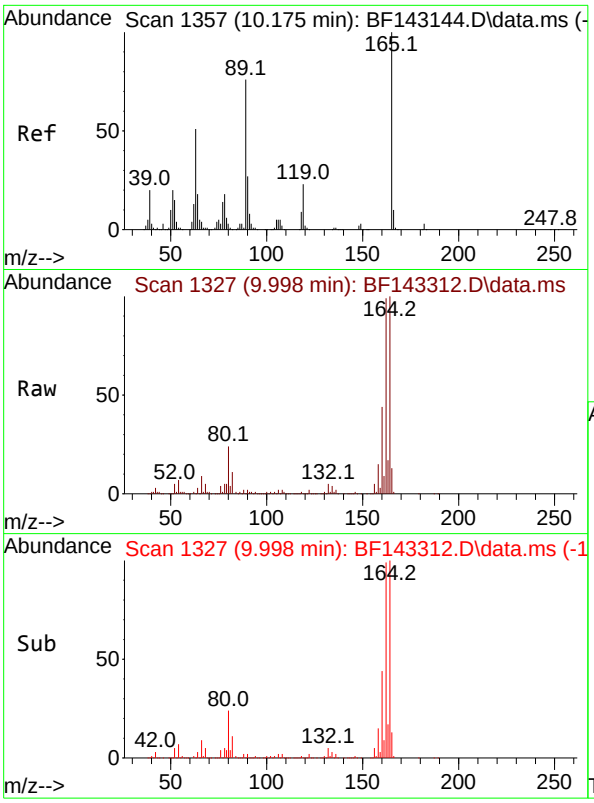


#51
2,6-Dinitrotoluene
Concen: 9.859 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.224 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:165 Resp: 27752

Ion	Ratio	Lower	Upper
165	100		
63	1.5	49.4	74.2#
89	1.5	46.2	69.2#



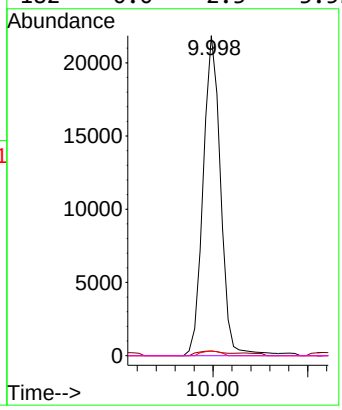


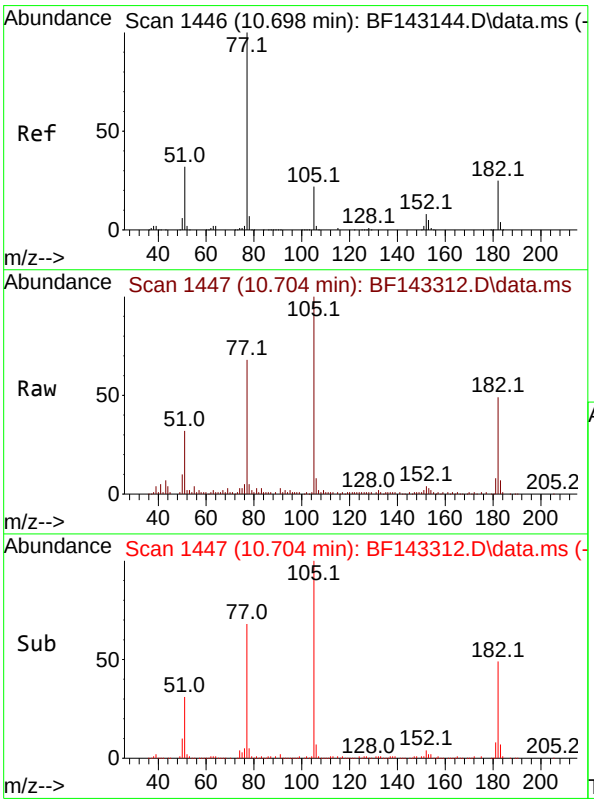
#57
2,4-Dinitrotoluene
Concen: 7.910 ng
RT: 9.998 min Scan# 1
Delta R.T. -0.176 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:165 Resp: 27937

Ion	Ratio	Lower	Upper
165	100		
63	1.5	41.0	61.4#
89	1.5	61.1	91.7#
182	0.0	2.3	3.5#

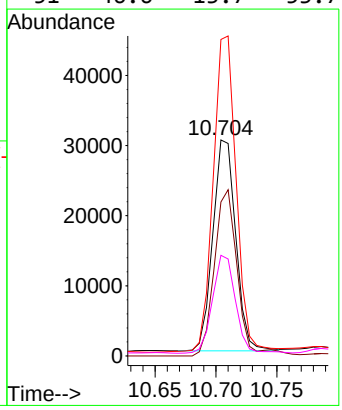


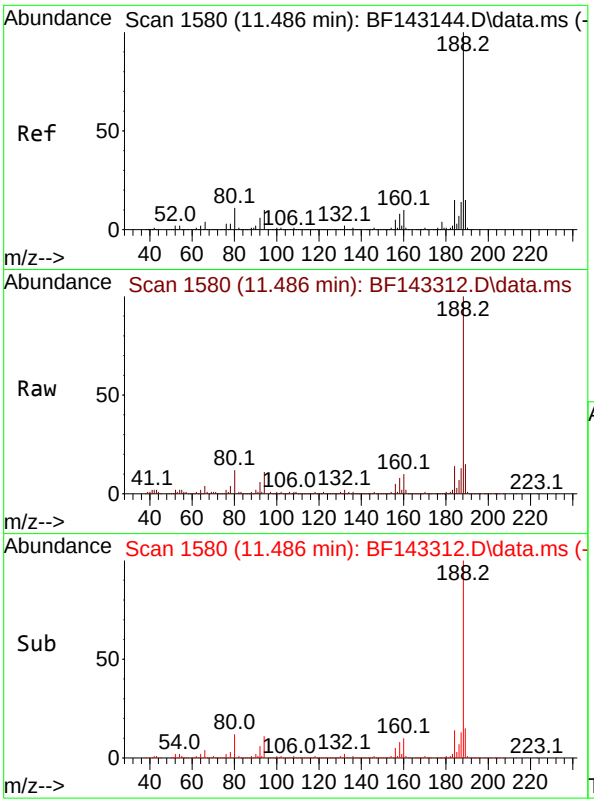


#63
Azobenzene
Concen: 2.765 ng
RT: 10.704 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion: 77 Resp: 39420

Ion	Ratio	Lower	Upper
77	100		
182	71.3	4.6	44.6#
105	146.5	1.4	41.4#
51	46.6	13.7	53.7



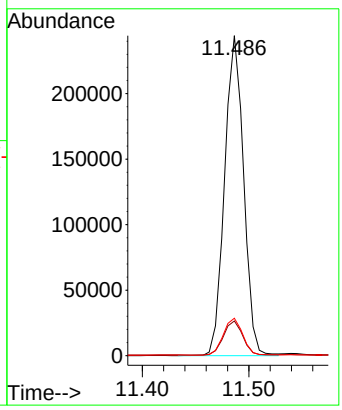


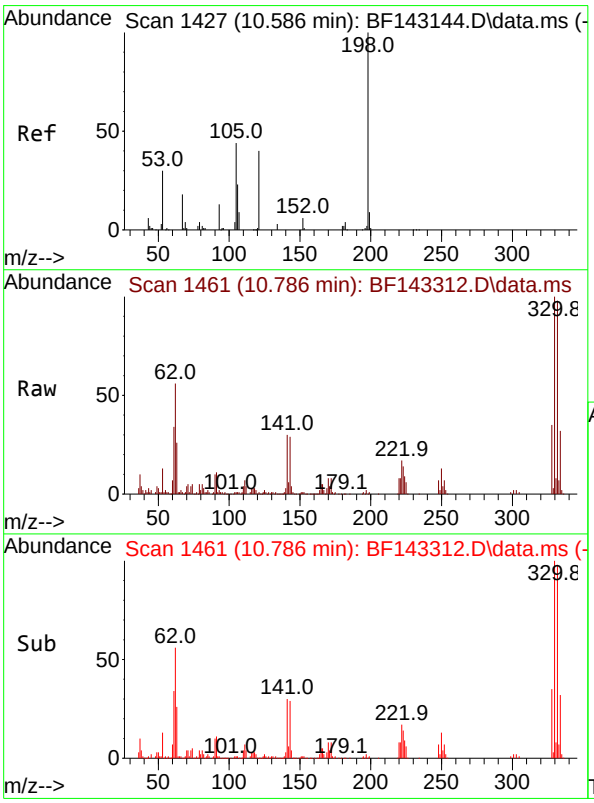
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:188 Resp: 302538

Ion	Ratio	Lower	Upper
188	100		
94	10.9	8.3	12.5
80	11.7	9.0	13.6

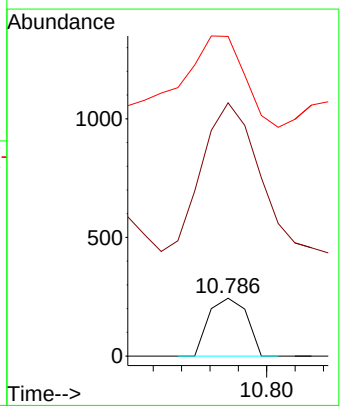


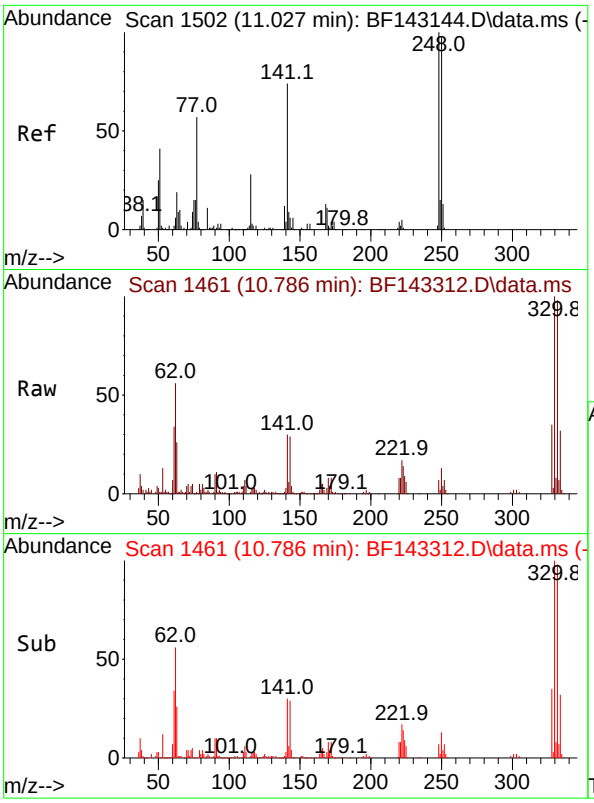


#65
4,6-Dinitro-2-methylphenol
Concen: 5.539 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:198 Resp: 227

Ion	Ratio	Lower	Upper
198	100		
51	437.3	37.2	77.2#
105	552.0	24.8	64.8#



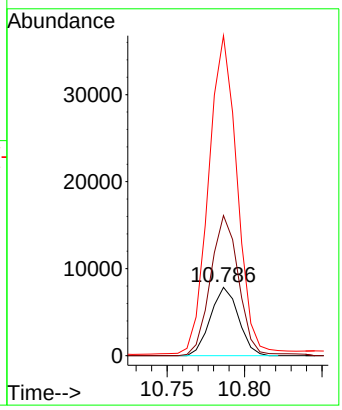


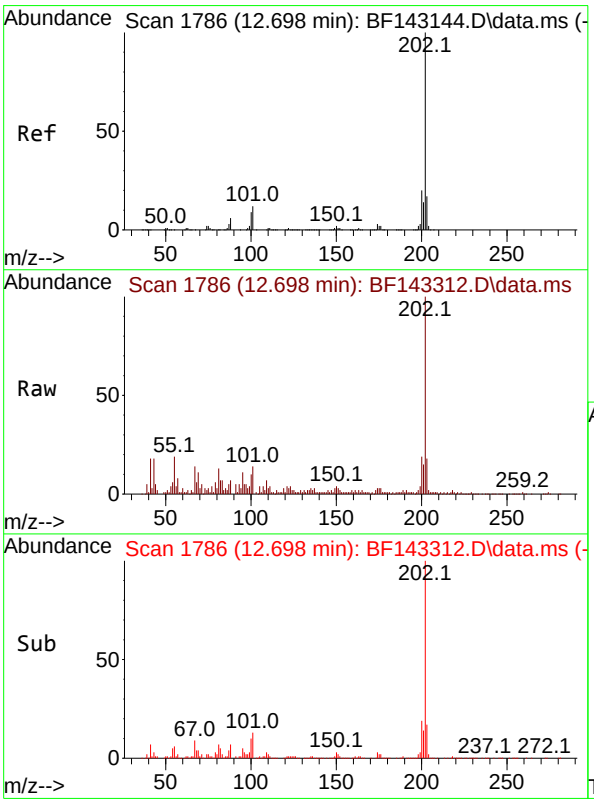
#67
4-Bromophenyl-phenylether
Concen: 2.734 ng
RT: 10.786 min Scan# 1
Delta R.T. -0.241 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:248 Resp: 9858

Ion	Ratio	Lower	Upper
248	100		
250	204.9	78.3	117.5#
141	467.9	59.2	88.8#

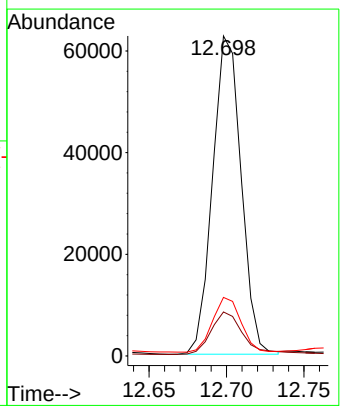


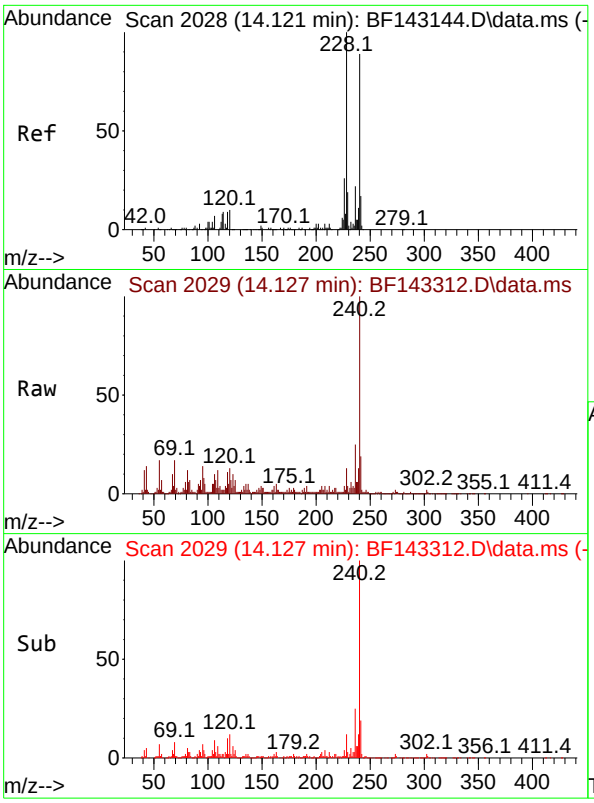


#75
Fluoranthene
Concen: 5.436 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:202 Resp: 80151

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	31.7
203	18.3	0.0	37.4



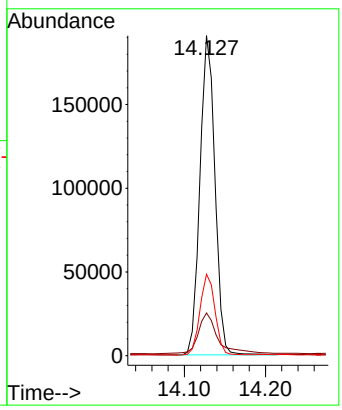


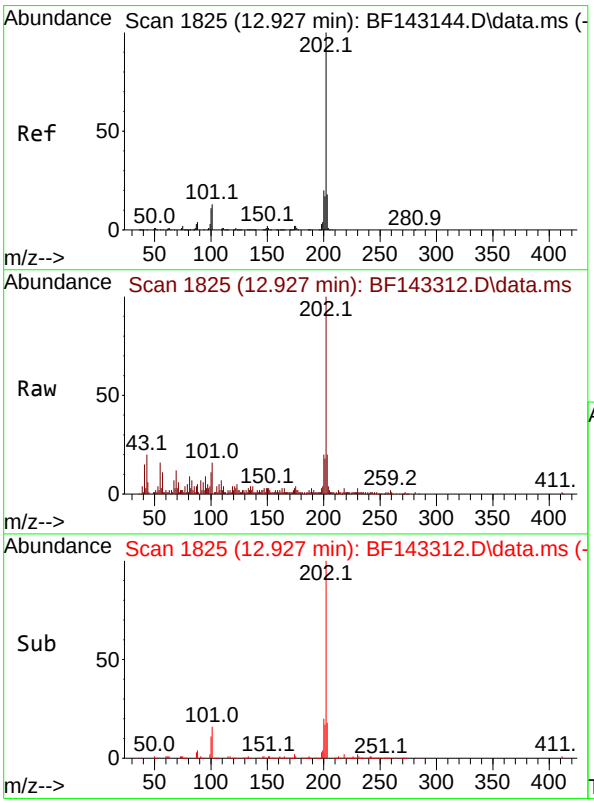
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:240 Resp: 244611

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.4	14.2
236	25.5	20.2	30.4

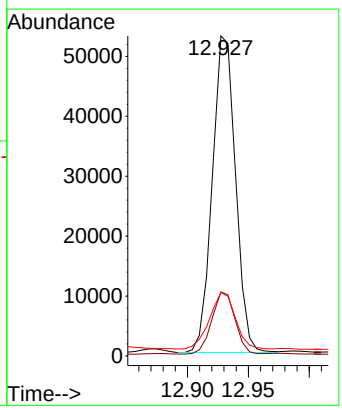


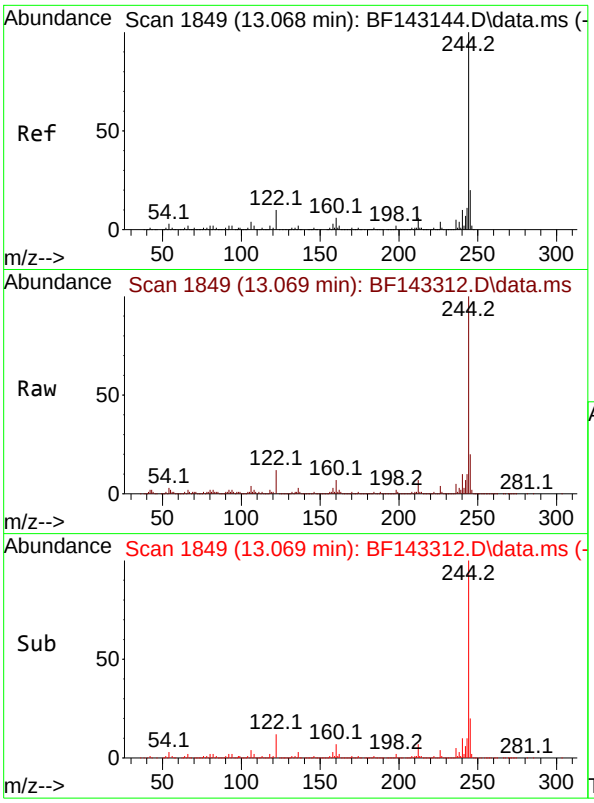


#78
Pyrene
Concen: 3.367 ng
RT: 12.927 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:202 Resp: 70286

Ion	Ratio	Lower	Upper
202	100		
200	20.0	15.7	23.5
203	19.9	14.2	21.2



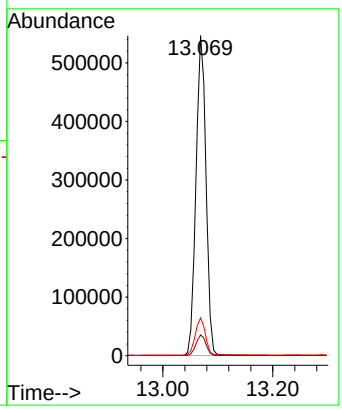


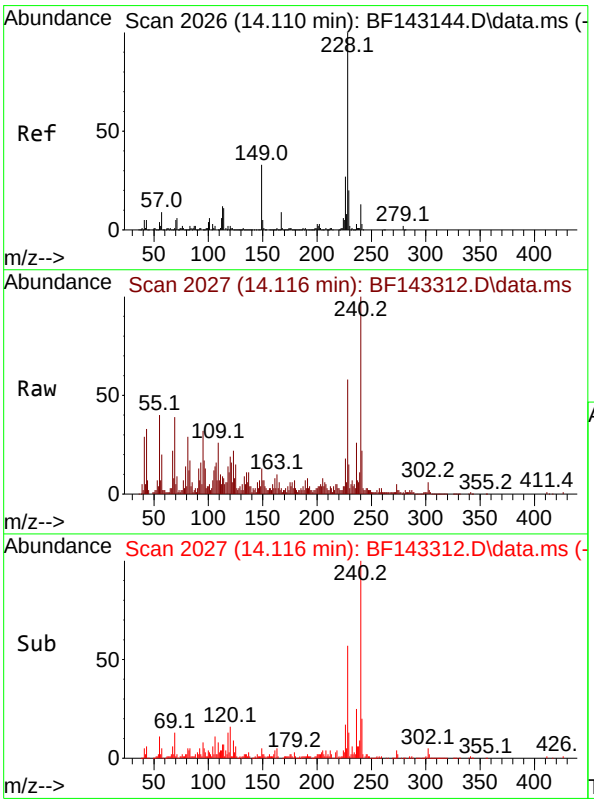
#79
Terphenyl-d14
Concen: 42.151 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:244 Resp: 692861

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	11.8	8.2	12.2

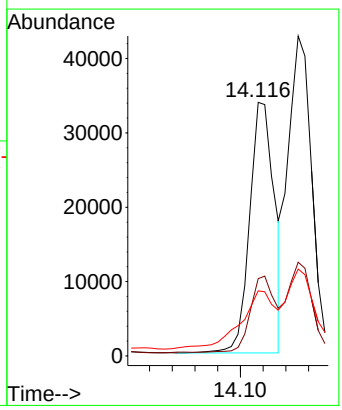


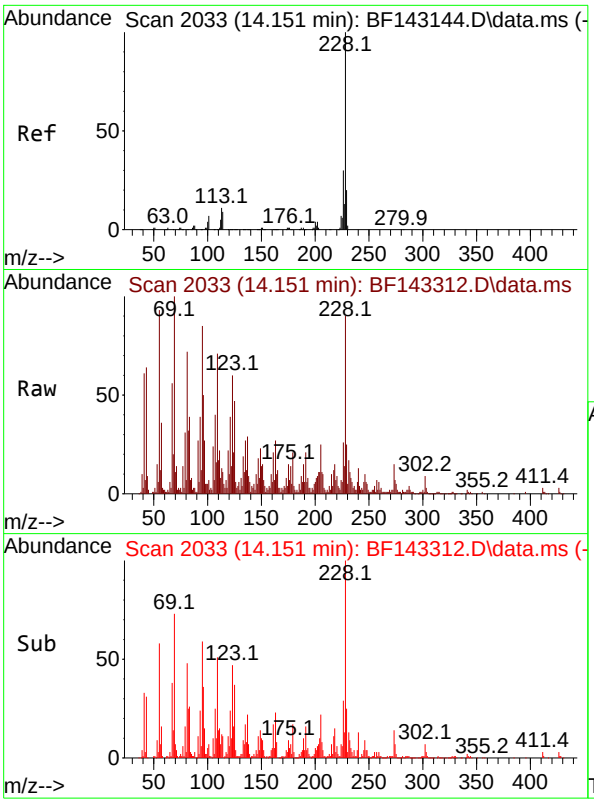


#81
Benzo(a)anthracene
Concen: 3.109 ng
RT: 14.116 min Scan# 2027
Delta R.T. 0.006 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:228 Resp: 50916

Ion	Ratio	Lower	Upper
228	100		
226	30.5	21.7	32.5
229	25.7	15.8	23.6#



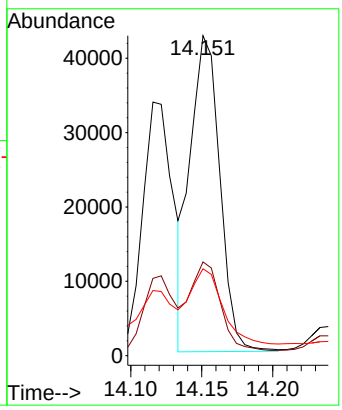


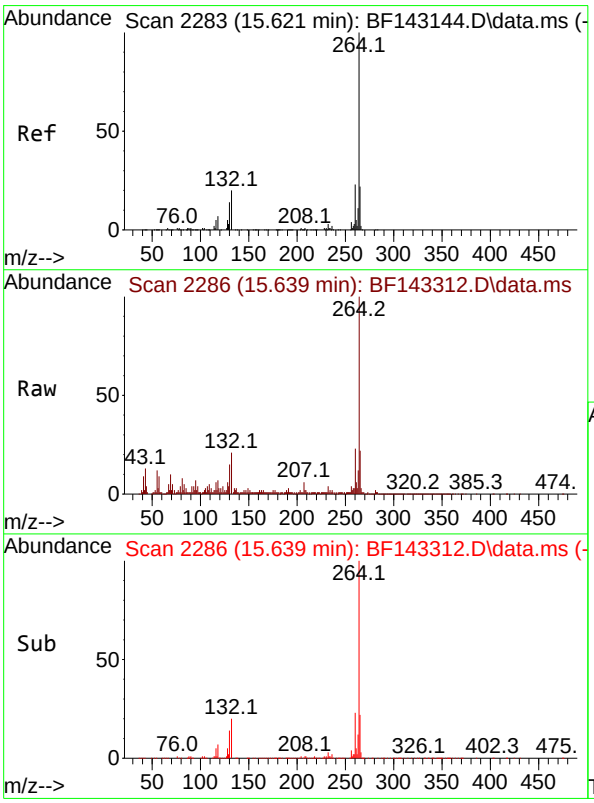
#83
Chrysene
Concen: 4.179 ng
RT: 14.151 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:228 Resp: 61539

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	27.2	15.6	23.4#

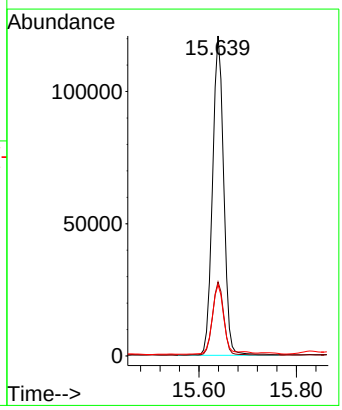


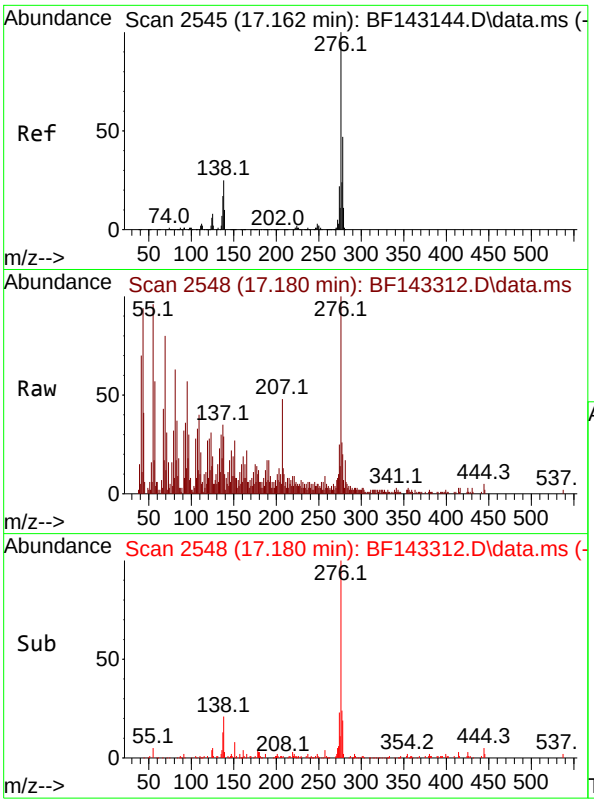


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.018 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:264 Resp: 192344

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.5	27.7
265	22.2	17.4	26.2



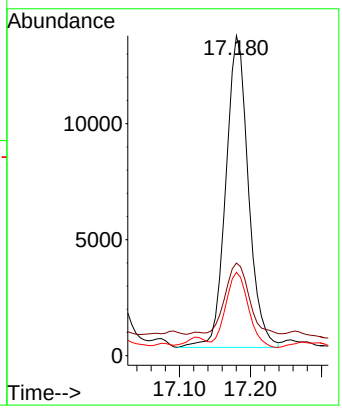


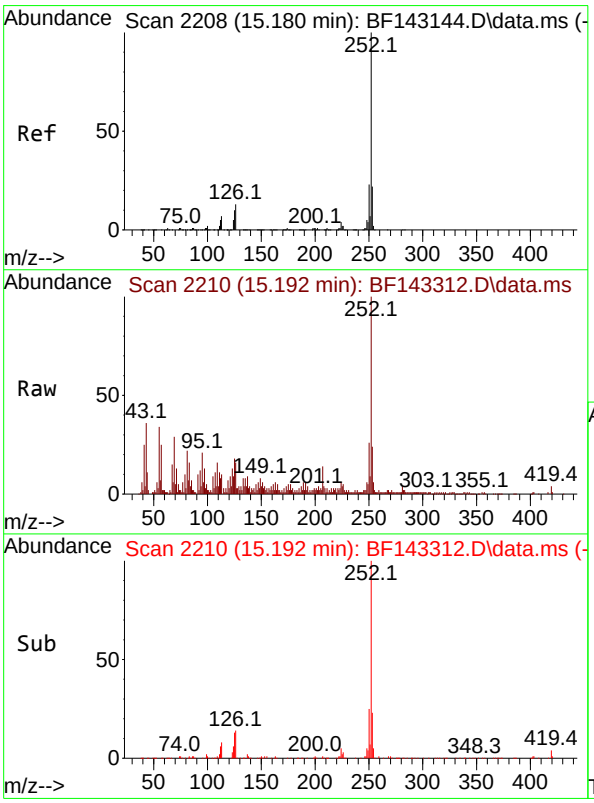
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.188 ng
RT: 17.180 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:276 Resp: 29680

Ion	Ratio	Lower	Upper
276	100		
138	23.5	21.8	32.6
277	24.1	20.0	30.0

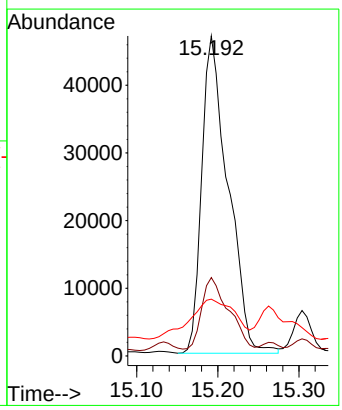


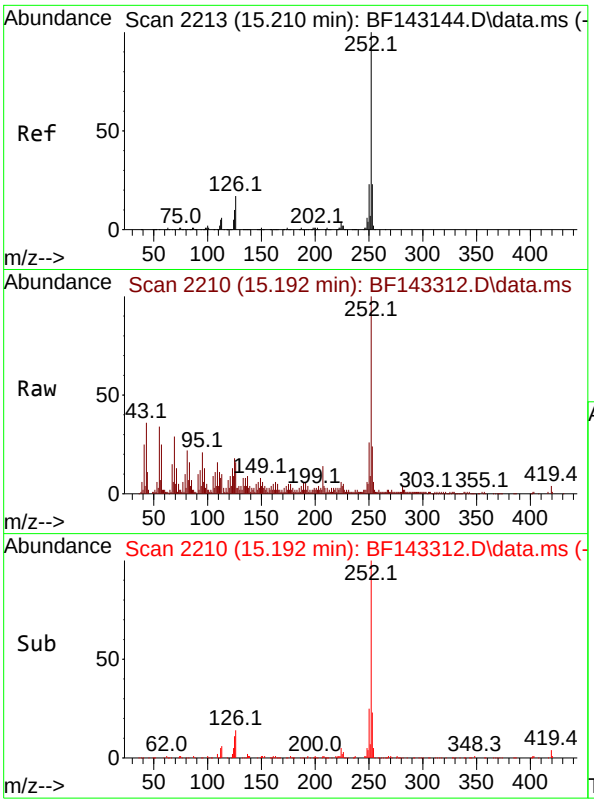


#88
Benzo(b)fluoranthene
Concen: 8.985 ng
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:252 Resp: 105580

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	17.8	8.0	12.0#



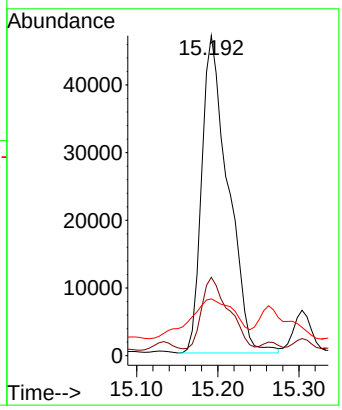


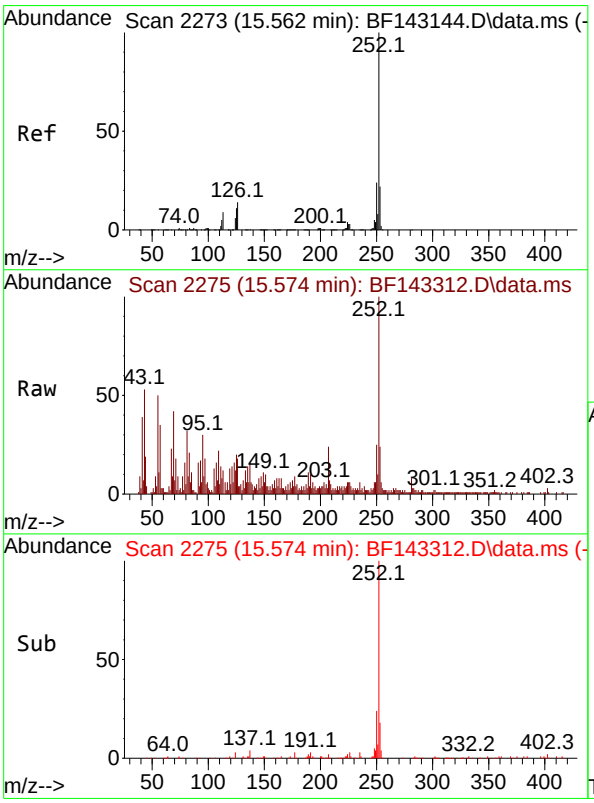
#89
Benzo(k)fluoranthene
Concen: 10.069 ng
RT: 15.192 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:252 Resp: 105580

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	17.8	8.1	12.1#

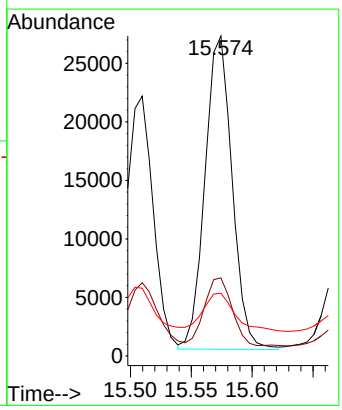


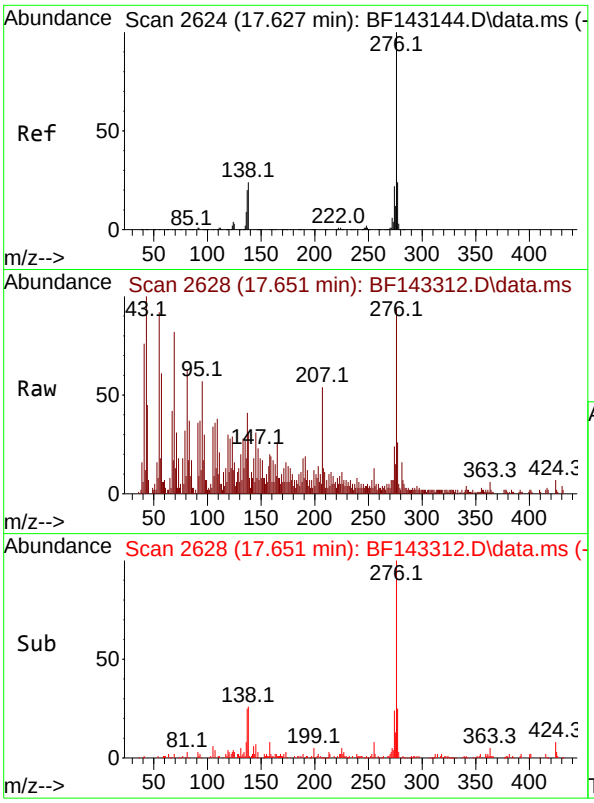


#90
Benzo(a)pyrene
Concen: 3.844 ng
RT: 15.574 min Scan# 2275
Delta R.T. 0.012 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Tgt Ion:252 Resp: 41615

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	19.6	8.6	13.0#



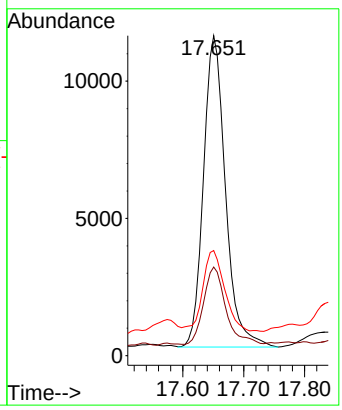


#92
Benzo(g,h,i)perylene
Concen: 2.664 ng
RT: 17.651 min Scan# 2(
Delta R.T. 0.024 min
Lab File: BF143312.D
Acq: 05 Aug 2025 13:30

Instrument :
BNA_F
ClientSampleId :
OU4-TS-GRILLO-TSCP02-073125

Tgt Ion:276 Resp: 28445

Ion	Ratio	Lower	Upper
276	100		
277	27.7	19.1	28.7
138	32.8	18.9	28.3#



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143313.D
Acq On : 05 Aug 2025 13:59
Operator : RC/JU
Sample : Q2734-01MS 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Quant Time: Aug 05 19:35:03 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	130860	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	486158	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	224868	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	312204	20.000	ng		0.00
76) Chrysene-d12	14.133	240	241353	20.000	ng		0.01
86) Perylene-d12	15.645	264	186398	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.598	112	333444	40.323	ng		0.01
7) Phenol-d6	6.592	99	435211	41.813	ng		0.00
23) Nitrobenzene-d5	7.516	82	275271	28.224	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	83476	35.934	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	484848	29.488	ng		0.00
79) Terphenyl-d14	13.069	244	381121	23.499	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	65474	16.733	ng		99
3) Pyridine	3.604	79	164496	16.197	ng		98
4) n-Nitrosodimethylamine	3.528	42	97480	18.590	ng		97
6) Aniline	6.622	93	84409	5.819	ng	#	83
8) 2-Chlorophenol	6.751	128	169608	19.567	ng		97
9) Benzaldehyde	6.510	77	105300	13.492	ng		98
10) Phenol	6.604	94	218878	19.303	ng		100
11) bis(2-Chloroethyl)ether	6.692	93	182838	21.060	ng		97
12) 1,3-Dichlorobenzene	6.904	146	177685	18.870	ng		100
13) 1,4-Dichlorobenzene	6.981	146	179746	18.955	ng		99
14) 1,2-Dichlorobenzene	7.134	146	173303	19.215	ng		99
15) Benzyl Alcohol	7.098	79	153915	19.367	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	318887	19.800	ng		97
17) 2-Methylphenol	7.216	107	139737	19.173	ng		99
18) Hexachloroethane	7.481	117	52594	16.021	ng		98
19) n-Nitroso-di-n-propyla...	7.369	70	126399	18.928	ng		98
20) 3+4-Methylphenols	7.363	107	176660	19.978	ng	#	69
22) Acetophenone	7.363	105	234736	20.394	ng	#	95
24) Nitrobenzene	7.539	77	185250	20.373	ng		100
25) Isophorone	7.781	82	345353	20.059	ng		98
26) 2-Nitrophenol	7.857	139	89217	22.608	ng		99
27) 2,4-Dimethylphenol	7.892	122	148709	18.487	ng		99
28) bis(2-Chloroethoxy)met...	7.986	93	211672	20.505	ng		99
29) 2,4-Dichlorophenol	8.104	162	128258	18.907	ng		99
30) 1,2,4-Trichlorobenzene	8.186	180	142684	19.469	ng		100
31) Naphthalene	8.269	128	477055	19.925	ng		100
32) Benzoic acid	7.981	122	80819	21.090	ng		99
33) 4-Chloroaniline	8.310	127	52381	5.358	ng		99
34) Hexachlorobutadiene	8.386	225	85967	19.202	ng		99
35) Caprolactam	8.657	113	42764	20.861	ng		96
36) 4-Chloro-3-methylphenol	8.792	107	135660	18.399	ng		97
37) 2-Methylnaphthalene	8.957	142	284935	19.557	ng		100
38) 1-Methylnaphthalene	9.057	142	292390	19.489	ng		100
40) 1,2,4,5-Tetrachloroben...	9.122	216	139365	21.467	ng		98
43) 2,4,6-Trichlorophenol	9.233	196	84670	18.844	ng		97
44) 2,4,5-Trichlorophenol	9.275	196	82644	18.388	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143313.D
Acq On : 05 Aug 2025 13:59
Operator : RC/JU
Sample : Q2734-01MS 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Quant Time: Aug 05 19:35:03 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)
46) 1,1'-Biphenyl	9.422	154	382379	21.795	ng		99
47) 2-Chloronaphthalene	9.445	162	262793	20.244	ng		99
48) 2-Nitroaniline	9.533	65	88146	21.653	ng		98
49) Acenaphthylene	9.863	152	430327	19.781	ng		100
50) Dimethylphthalate	9.710	163	326052	22.245	ng		100
51) 2,6-Dinitrotoluene	9.775	165	64618	21.671	ng		96
52) Acenaphthene	10.033	154	257617	20.035	ng		97
53) 3-Nitroaniline	9.939	138	47291	13.560	ng		96
54) 2,4-Dinitrophenol	10.051	184	19195	19.684	ng	#	9
55) Dibenzofuran	10.204	168	370877	19.428	ng		99
56) 4-Nitrophenol	10.104	139	82334	31.613	ng		97
57) 2,4-Dinitrotoluene	10.175	165	77385	20.686	ng		99
58) Fluorene	10.551	166	277735	19.385	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.328	232	63002	16.922	ng		98
60) Diethylphthalate	10.416	149	305410	21.081	ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	139599	19.567	ng		99
62) 4-Nitroaniline	10.551	138	49643	16.608	ng		98
63) Azobenzene	10.698	77	295403	19.564	ng		97
65) 4,6-Dinitro-2-methylph...	10.586	198	15461	13.794	ng		90
66) n-Nitrosodiphenylamine	10.651	169	240384	21.866	ng		100
67) 4-Bromophenyl-phenylether	11.027	248	76580	20.583	ng		98
68) Hexachlorobenzene	11.104	284	69382	17.841	ng		99
69) Atrazine	11.180	200	68641	22.647	ng		100
70) Pentachlorophenol	11.292	266	72936	31.892	ng		98
71) Phenanthrene	11.516	178	453203	27.339	ng		100
72) Anthracene	11.563	178	368566	21.800	ng		99
73) Carbazole	11.716	167	318850	21.598	ng		100
74) Di-n-butylphthalate	12.045	149	399160	23.896	ng		99
75) Fluoranthene	12.704	202	687059	45.155	ng		99
78) Pyrene	12.933	202	677000	32.867	ng		99
80) Butylbenzylphthalate	13.545	149	162294	25.730	ng		98
81) Benzo(a)anthracene	14.121	228	499986	30.942	ng		98
82) 3,3'-Dichlorobenzidine	14.080	252	58890	10.935	ng		99
83) Chrysene	14.157	228	438517	30.184	ng		98
84) Bis(2-ethylhexyl)phtha...	14.104	149	242982	25.451	ng		99
85) Di-n-octyl phthalate	14.721	149	393515	22.740	ng		100
87) Indeno(1,2,3-cd)pyrene	17.192	276	246288	18.738	ng		99
88) Benzo(b)fluoranthene	15.198	252	376253	33.042	ng	#	97
89) Benzo(k)fluoranthene	15.198	252	376253	37.028	ng		97
90) Benzo(a)pyrene	15.580	252	301255	28.714	ng	#	96
91) Dibenzo(a,h)anthracene	17.209	278	174886	16.348	ng		98
92) Benzo(g,h,i)perylene	17.662	276	200796	19.403	ng		99

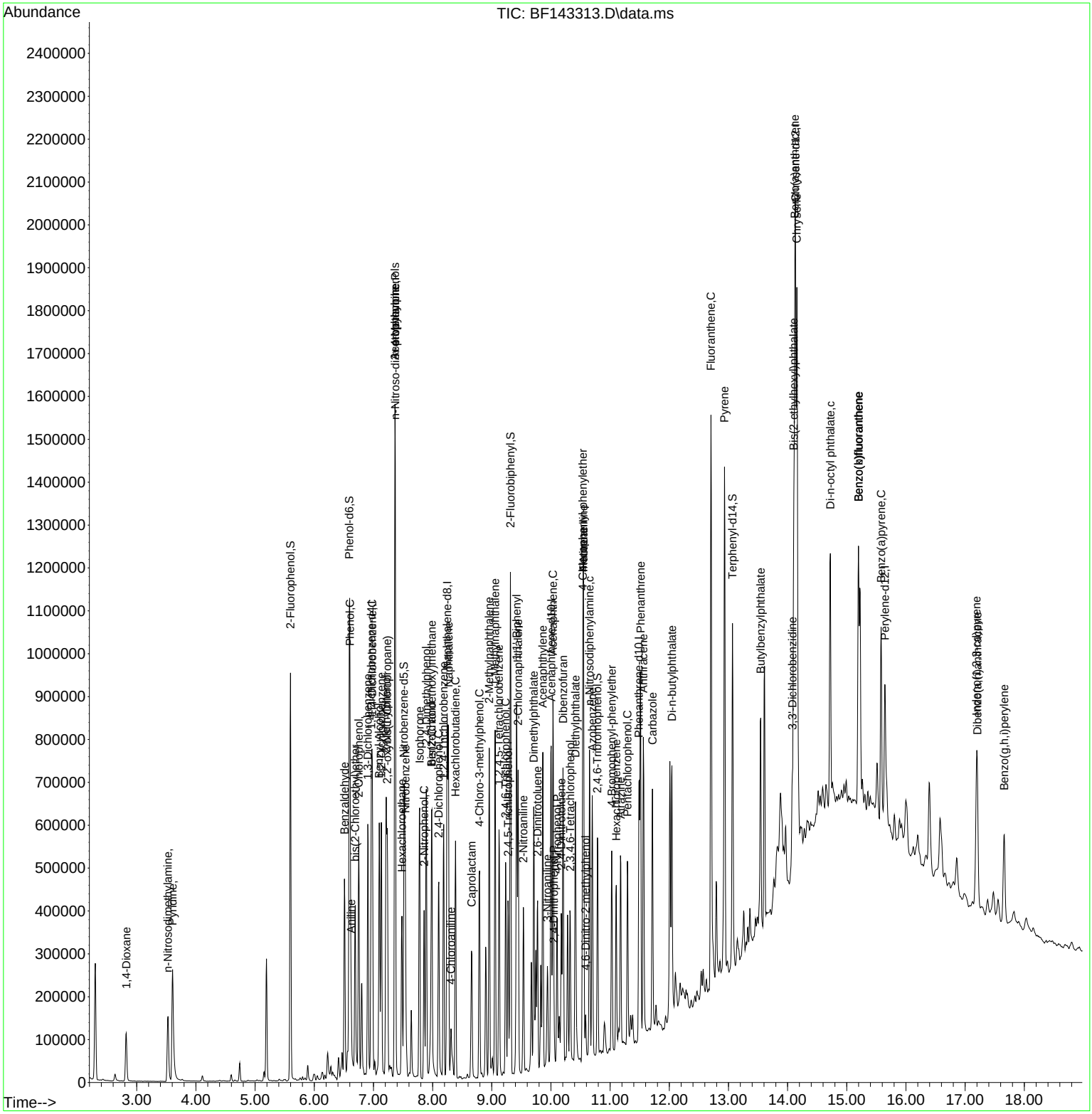
(#) = qualifier out of range (m) = manual integration (+) = signals summed

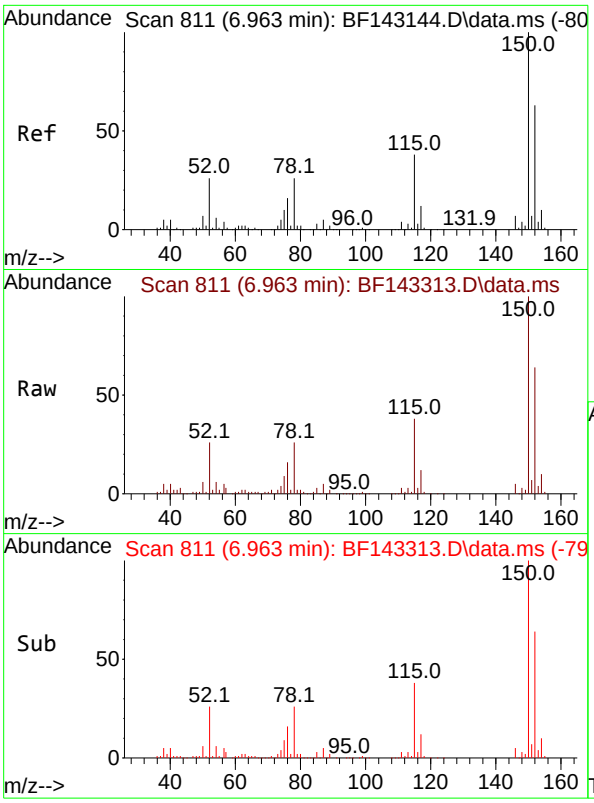
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143313.D
Acq On : 05 Aug 2025 13:59
Operator : RC/JU
Sample : Q2734-01MS 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Quant Time: Aug 05 19:35:03 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



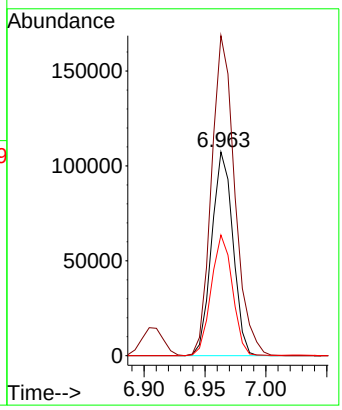


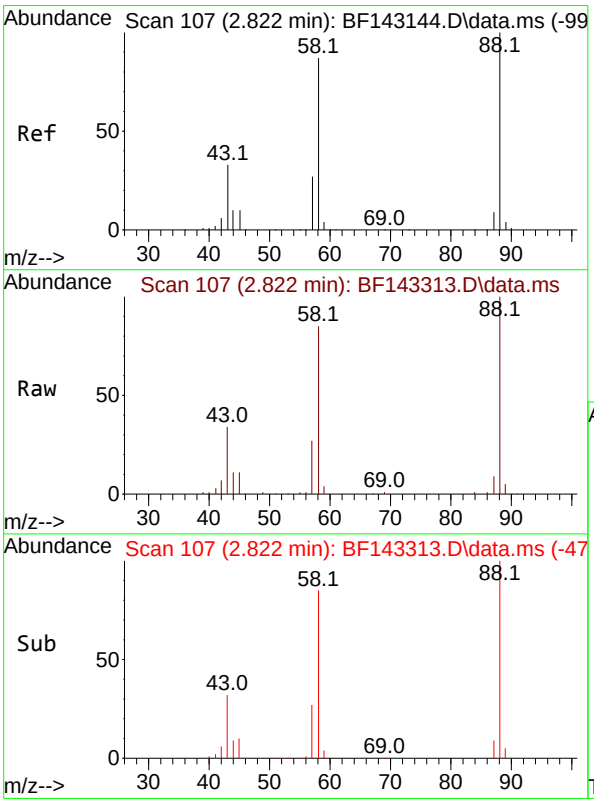
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:152 Resp: 130860

Ion	Ratio	Lower	Upper
152	100		
150	157.1	128.2	192.4
115	59.2	47.9	71.9

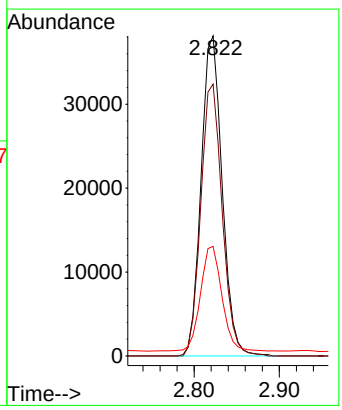


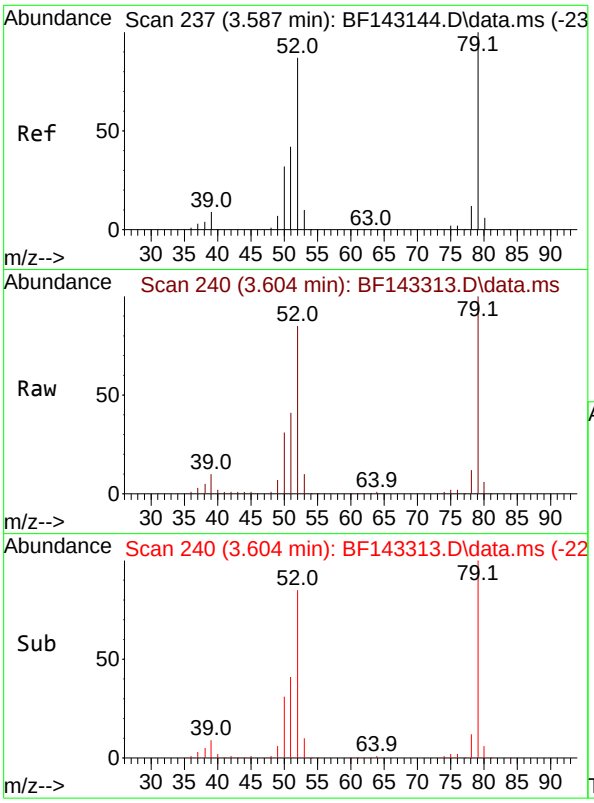


#2
1,4-Dioxane
Concen: 16.733 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 88 Resp: 65474

Ion	Ratio	Lower	Upper
88	100		
58	86.6	70.2	105.2
43	33.1	27.1	40.7



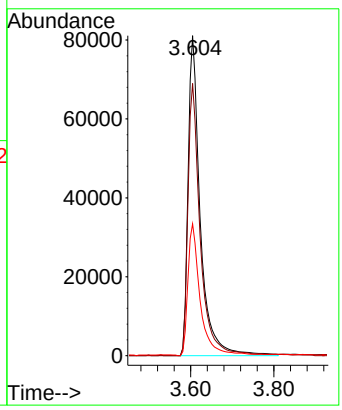


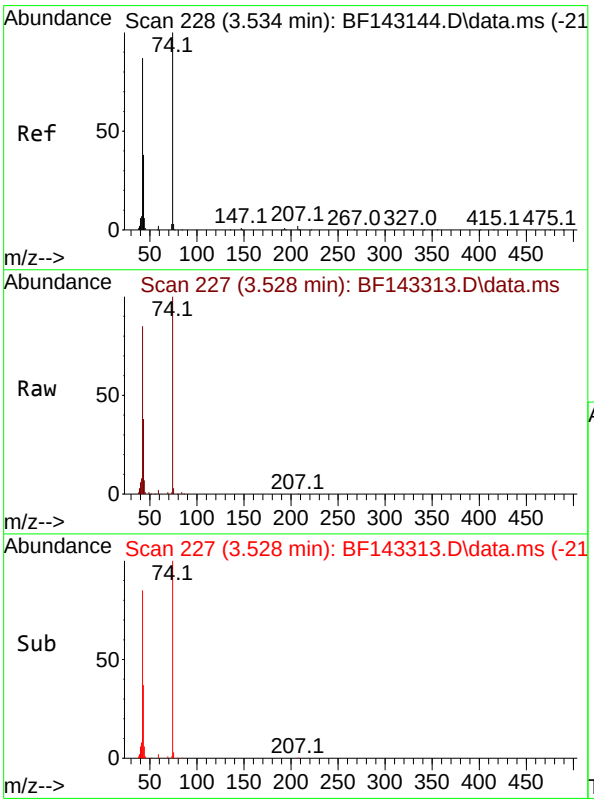
#3
Pyridine
Concen: 16.197 ng
RT: 3.604 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 79 Resp: 164496

Ion	Ratio	Lower	Upper
79	100		
52	85.1	69.4	104.2
51	41.2	33.5	50.3

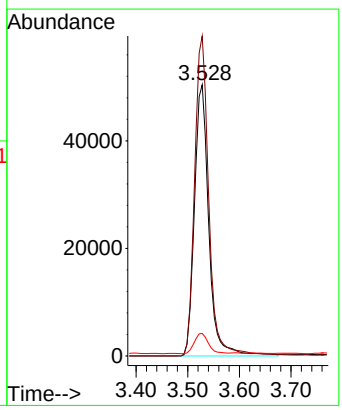


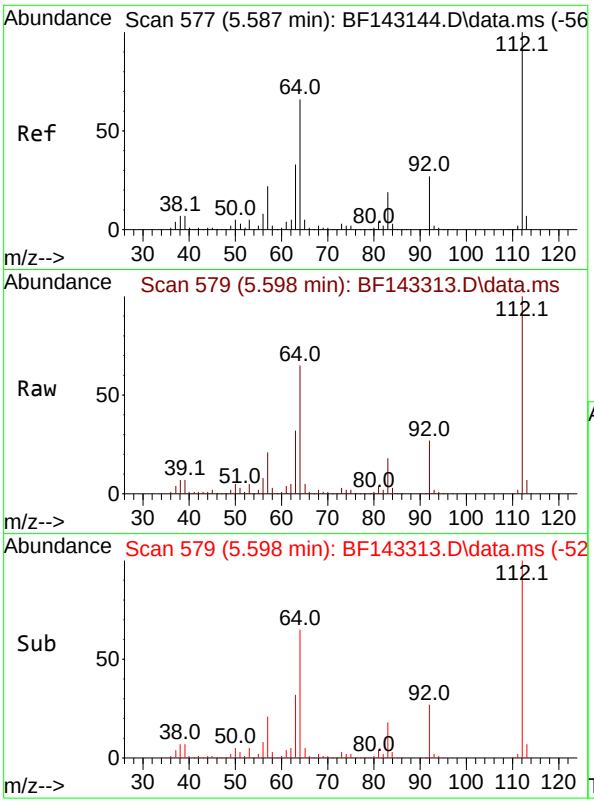


#4
n-Nitrosodimethylamine
Concen: 18.590 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 42 Resp: 97480

Ion	Ratio	Lower	Upper
42	100		
74	118.0	91.7	137.5
44	8.4	5.6	8.4



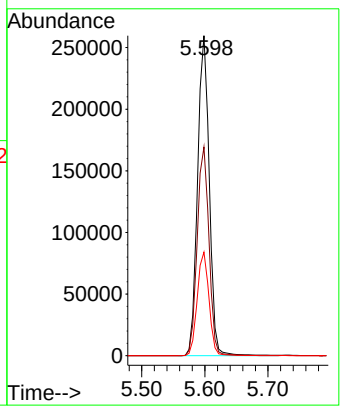


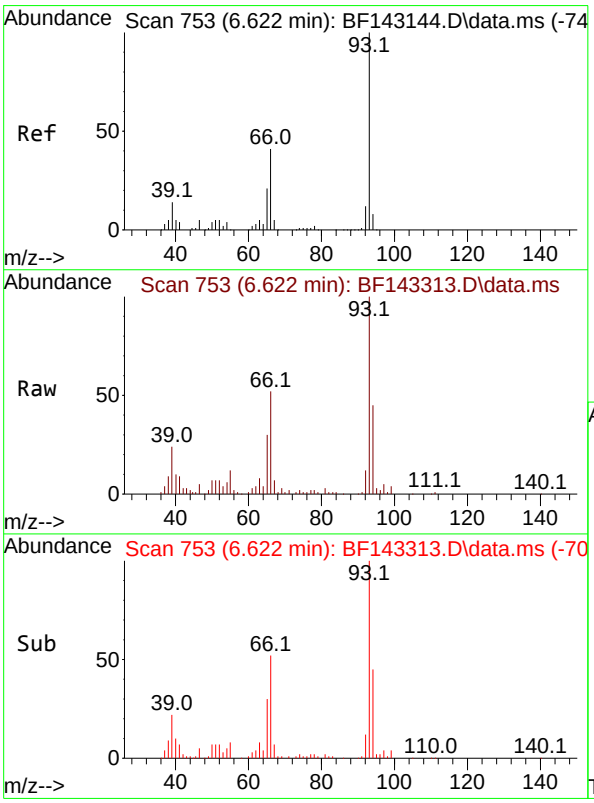
#5
2-Fluorophenol
Concen: 40.323 ng
RT: 5.598 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:112 Resp: 333444

Ion	Ratio	Lower	Upper
112	100		
64	65.2	53.1	79.7
63	32.4	26.6	40.0

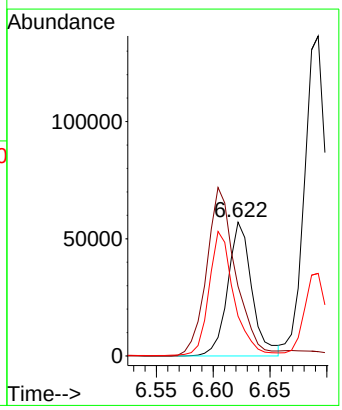


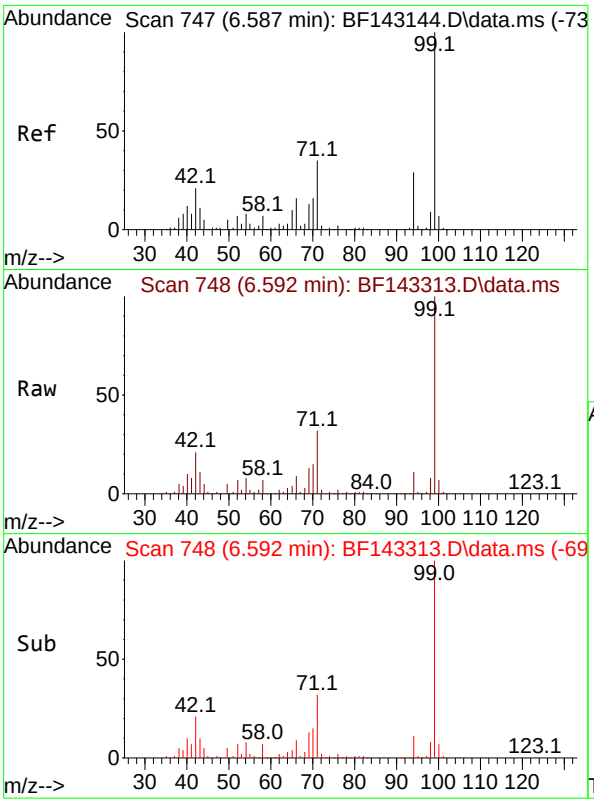


#6
Aniline
Concen: 5.819 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 93 Resp: 84409

Ion	Ratio	Lower	Upper
93	100		
66	52.0	33.2	49.8#
65	29.8	16.9	25.3#



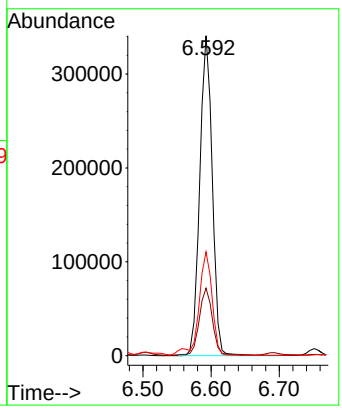


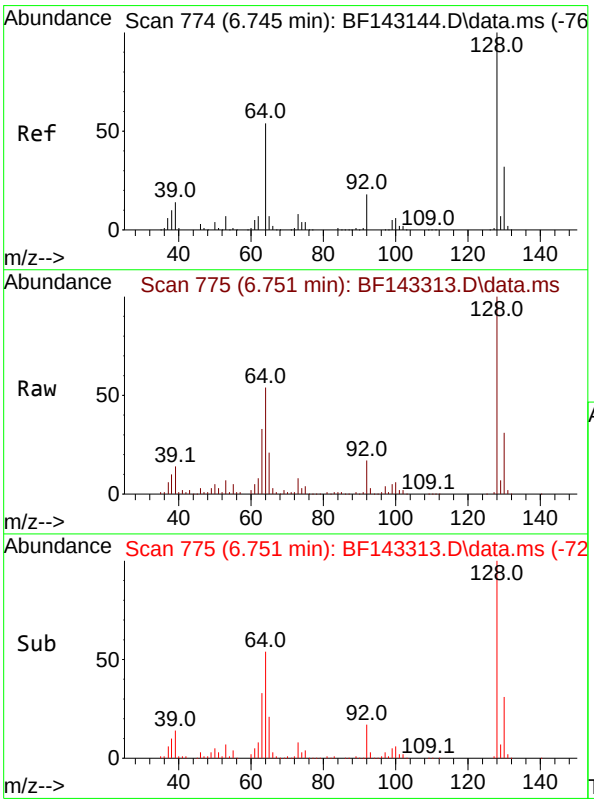
#7
Phenol-d6
Concen: 41.813 ng
RT: 6.592 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 99 Resp: 435211

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.6
71	32.5	27.7	41.5

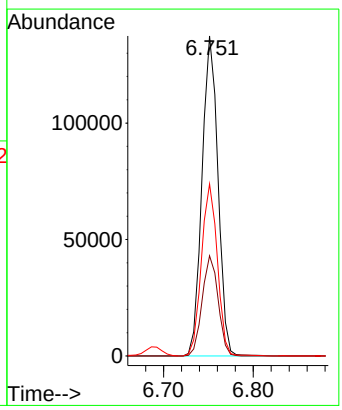


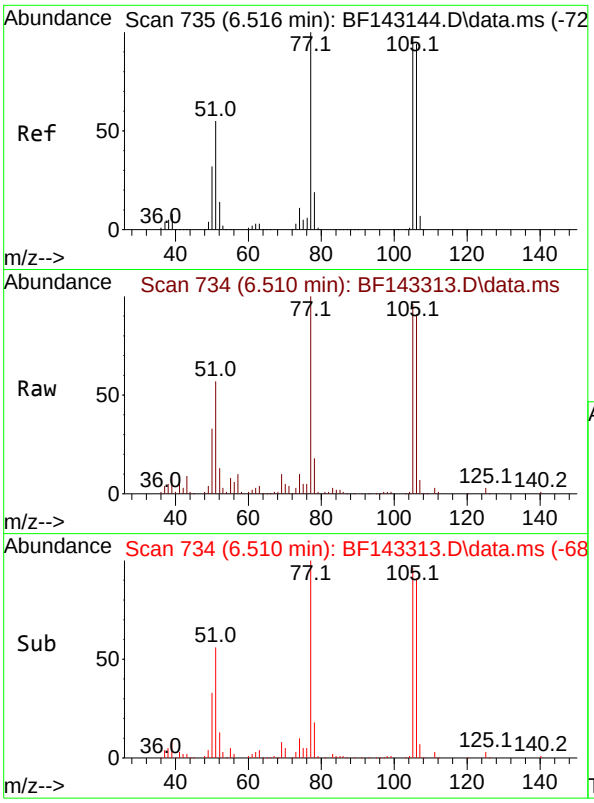


#8
2-Chlorophenol
Concen: 19.567 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:128 Resp: 169608

Ion	Ratio	Lower	Upper
128	100		
130	31.3	12.3	52.3
64	53.7	35.9	75.9



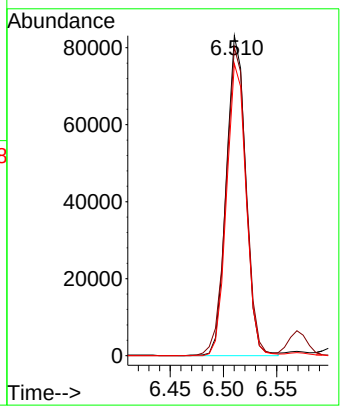


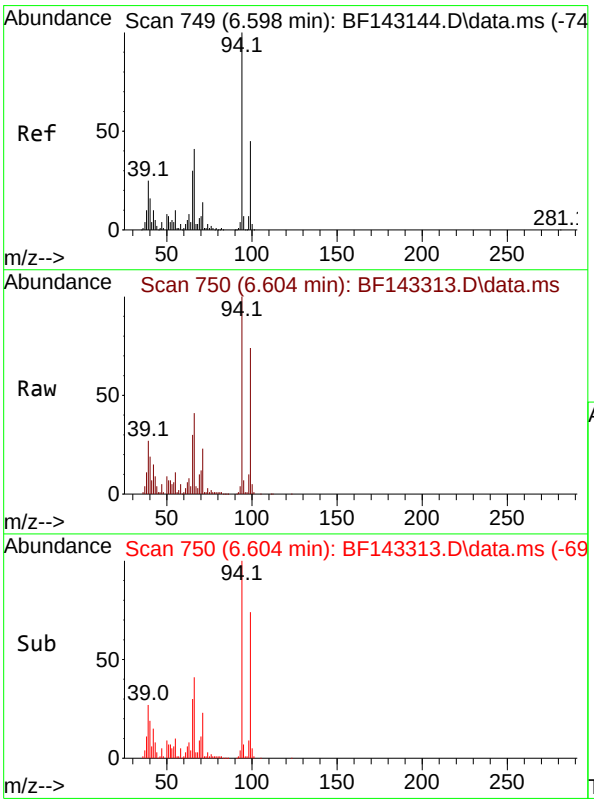
#9
Benzaldehyde
Concen: 13.492 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 77 Resp: 105300

Ion	Ratio	Lower	Upper
77	100		
105	96.3	76.8	116.8
106	91.2	74.4	114.4

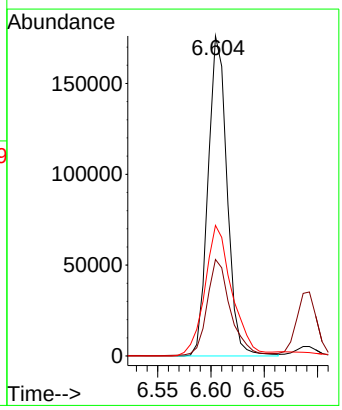


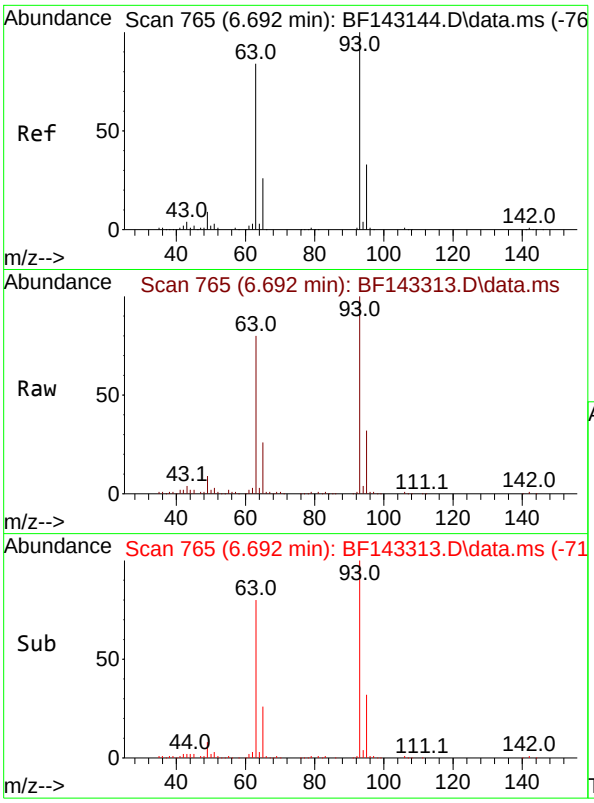


#10
Phenol
Concen: 19.303 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 94 Resp: 218878

Ion	Ratio	Lower	Upper
94	100		
65	30.1	10.0	50.0
66	40.8	20.8	60.8



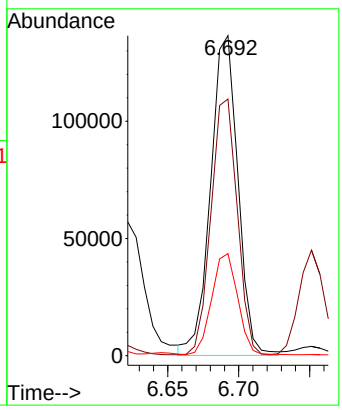


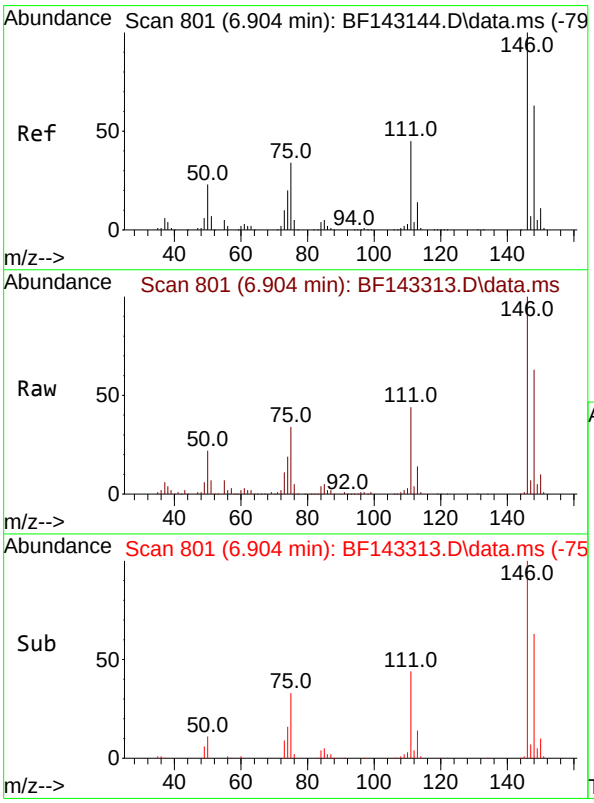
#11
bis(2-Chloroethyl)ether
Concen: 21.060 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 93 Resp: 182838

Ion	Ratio	Lower	Upper
93	100		
63	80.2	63.4	103.4
95	31.9	12.4	52.4

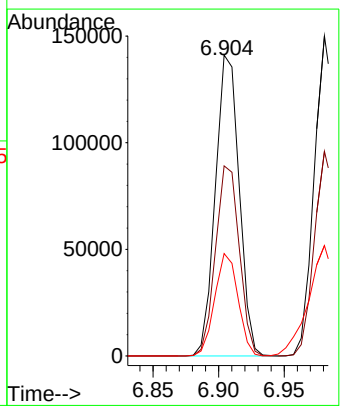


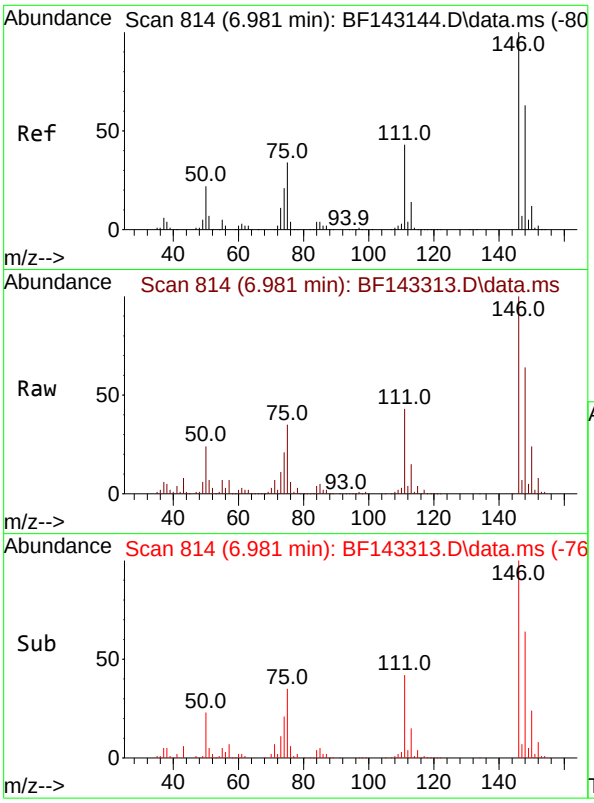


#12
1,3-Dichlorobenzene
Concen: 18.870 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:146 Resp: 177685

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
75	34.1	27.4	41.2



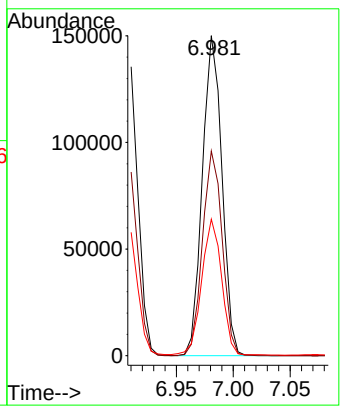


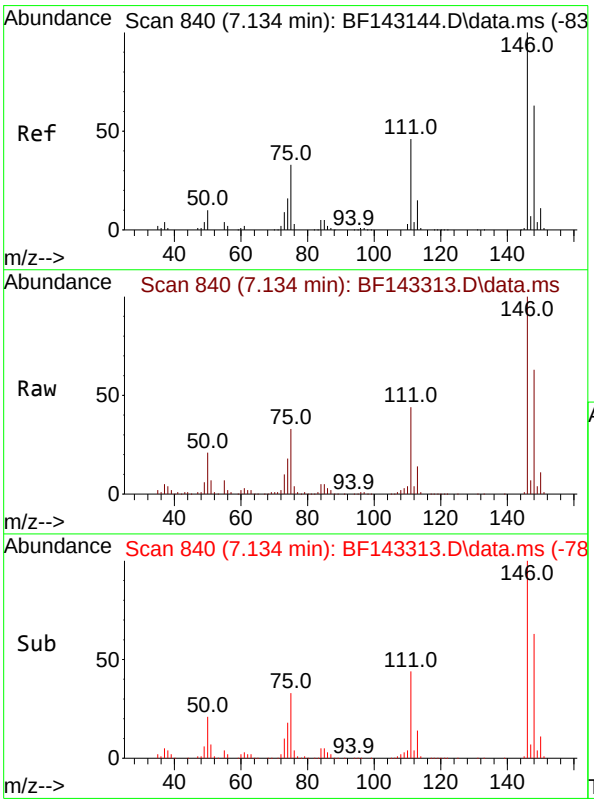
#13
1,4-Dichlorobenzene
Concen: 18.955 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:146 Resp: 179746

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
111	42.6	34.4	51.6

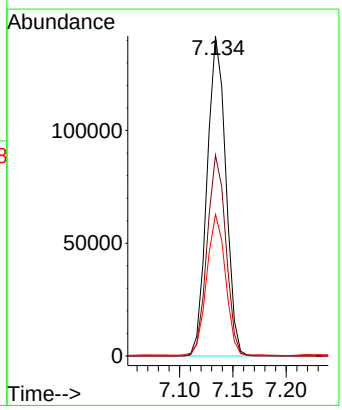


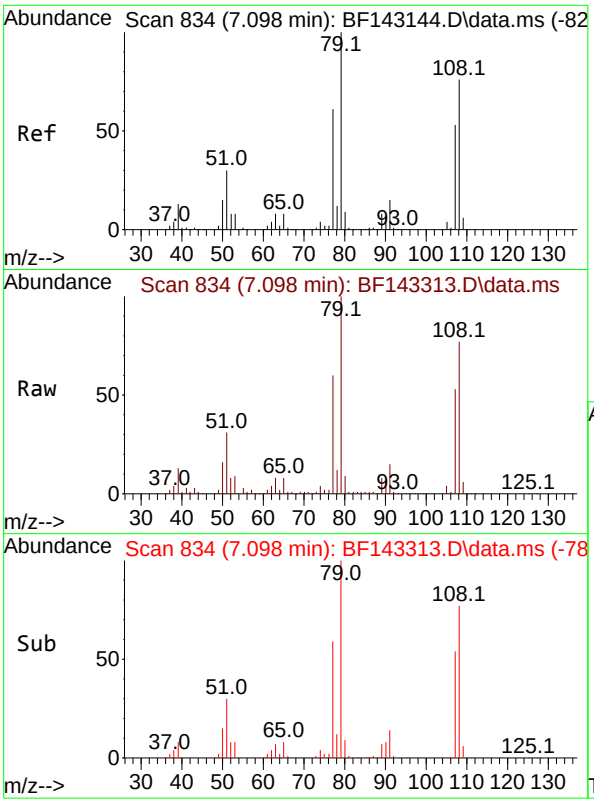


#14
1,2-Dichlorobenzene
Concen: 19.215 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:146 Resp: 173303

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.7	76.1
111	44.3	36.6	54.8



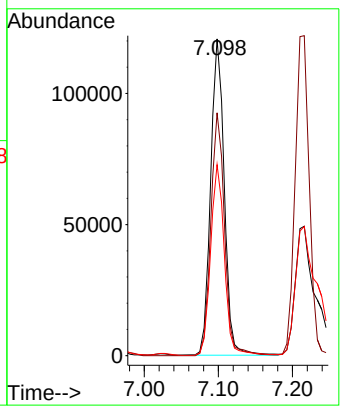


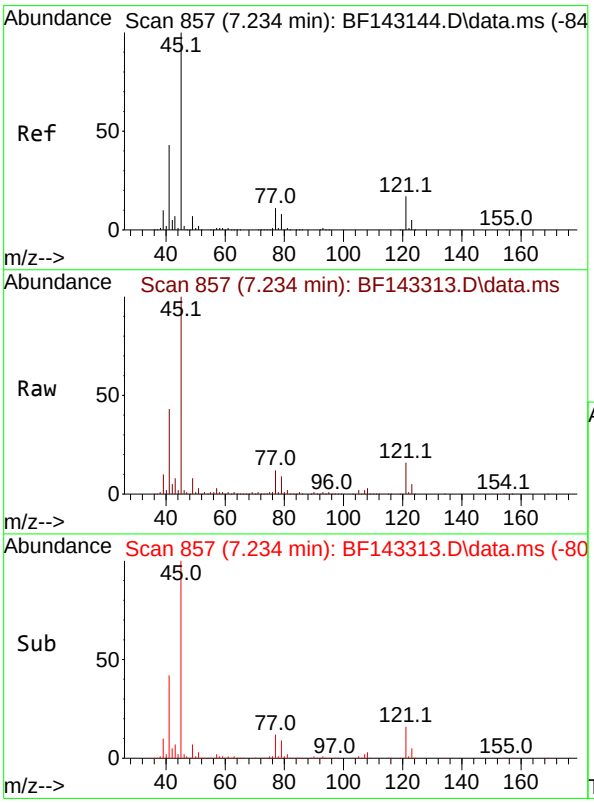
#15
Benzyl Alcohol
Concen: 19.367 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 79 Resp: 153915

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.1	91.7
77	60.3	48.9	73.3

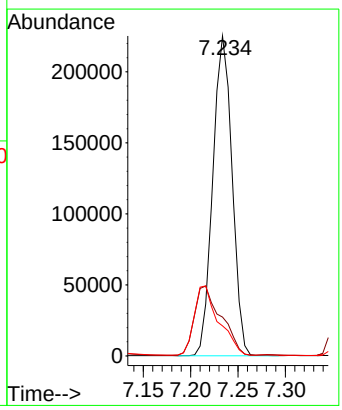


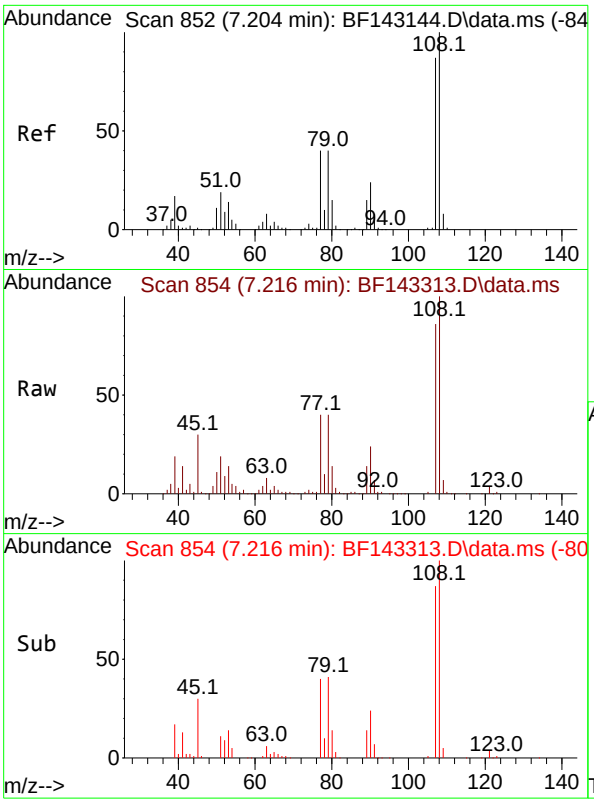


#16
2,2'-oxybis(1-Chloropropane)
Concen: 19.800 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 45 Resp: 318887

Ion	Ratio	Lower	Upper
45	100		
77	12.2	0.0	31.2
79	9.4	0.0	28.5



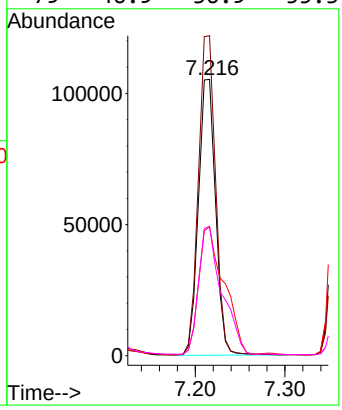


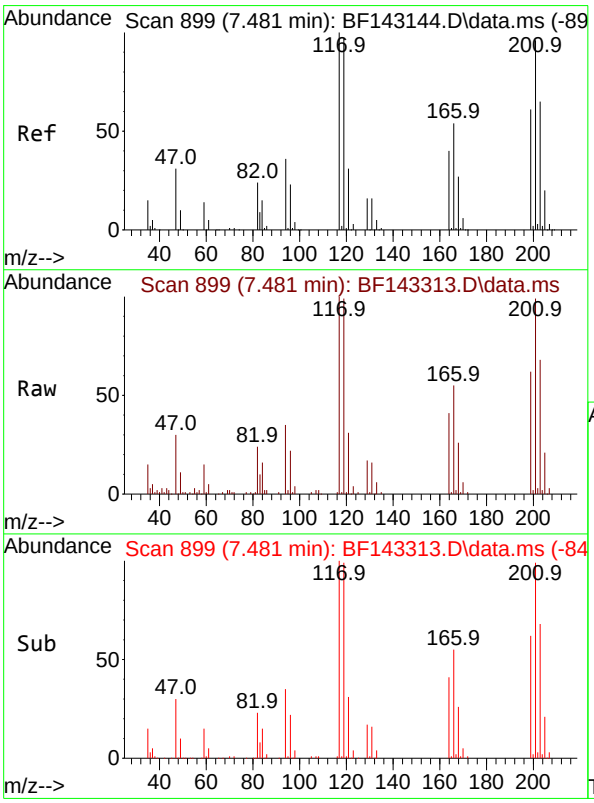
#17
2-Methylphenol
Concen: 19.173 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:107 Resp: 139737

Ion	Ratio	Lower	Upper
107	100		
108	115.8	91.8	137.6
77	46.7	37.0	55.6
79	46.9	36.9	55.3

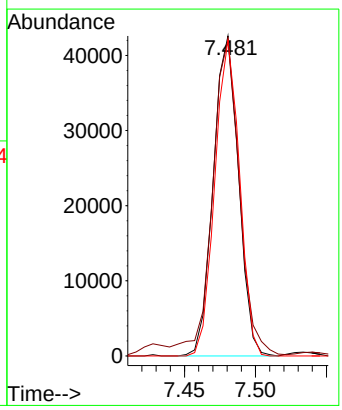


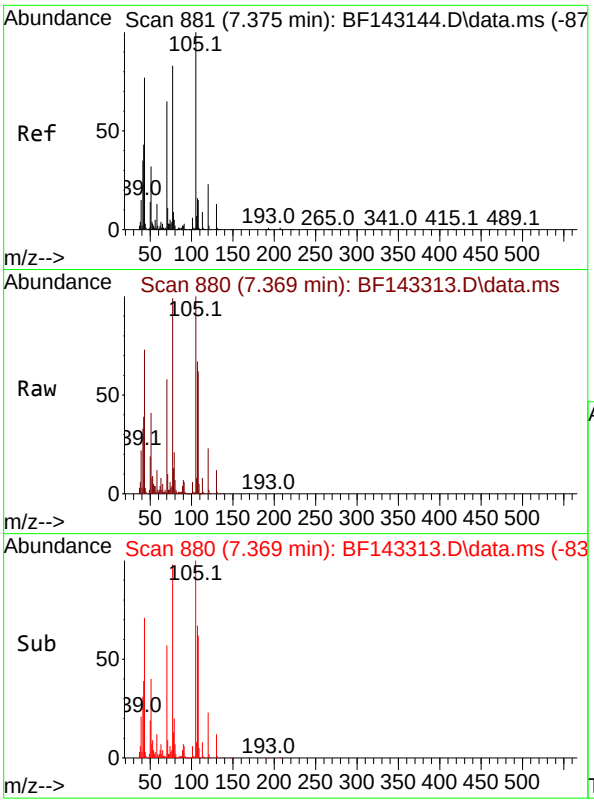


#18
Hexachloroethane
Concen: 16.021 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:117 Resp: 52594

Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.8	116.8
201	98.8	77.0	115.4



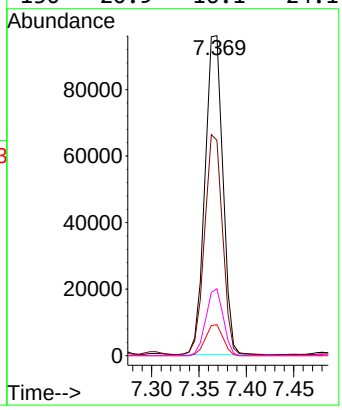


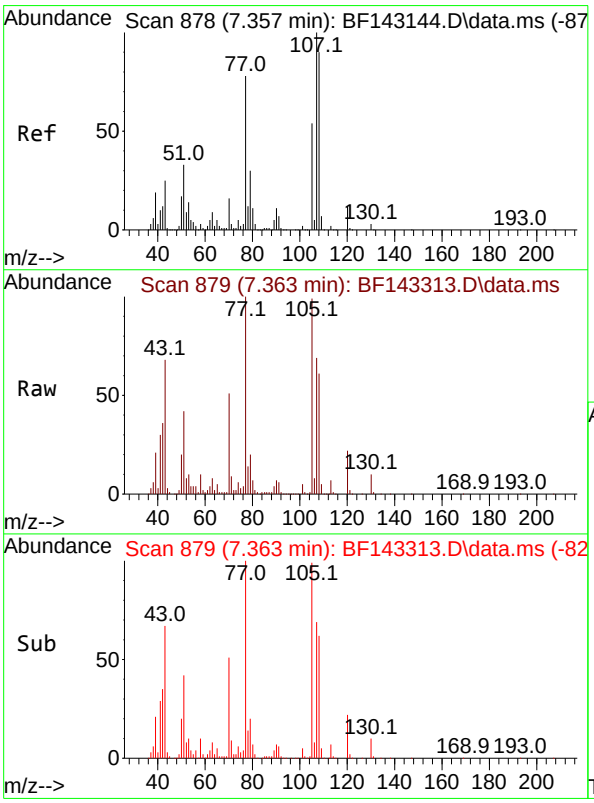
#19
n-Nitroso-di-n-propylamine
Concen: 18.928 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 70 Resp: 126399

Ion	Ratio	Lower	Upper
70	100		
42	67.3	52.5	78.7
101	9.7	7.6	11.4
130	20.9	16.1	24.1

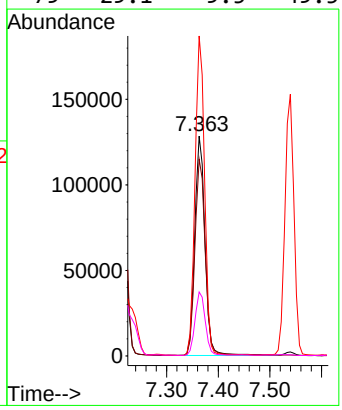


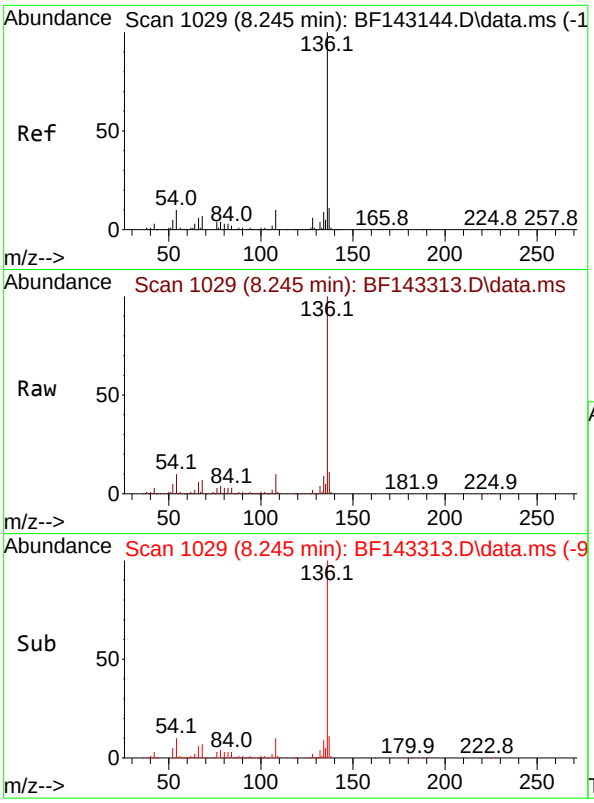


#20
3+4-Methylphenols
Concen: 19.978 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:107 Resp: 176660

Ion	Ratio	Lower	Upper
107	100		
108	89.5	70.0	110.0
77	145.6	57.8	97.8#
79	29.1	9.5	49.5



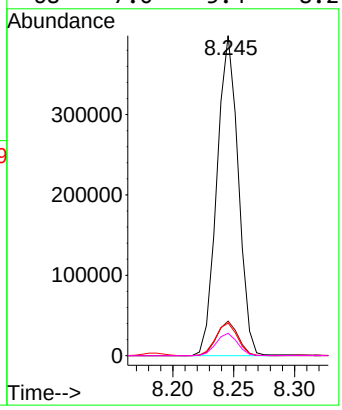


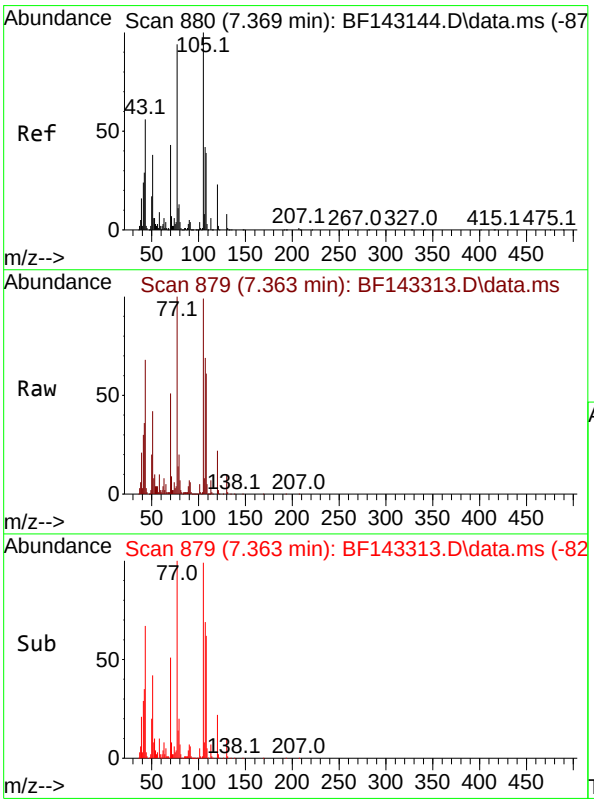
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:136 Resp: 486158

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	10.2	8.2	12.2
68	7.0	5.4	8.2

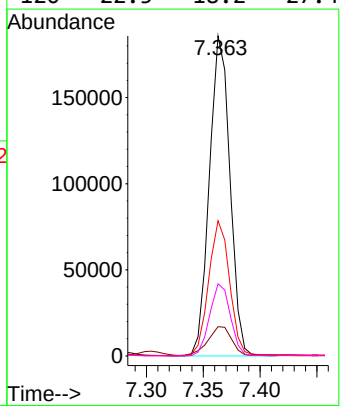


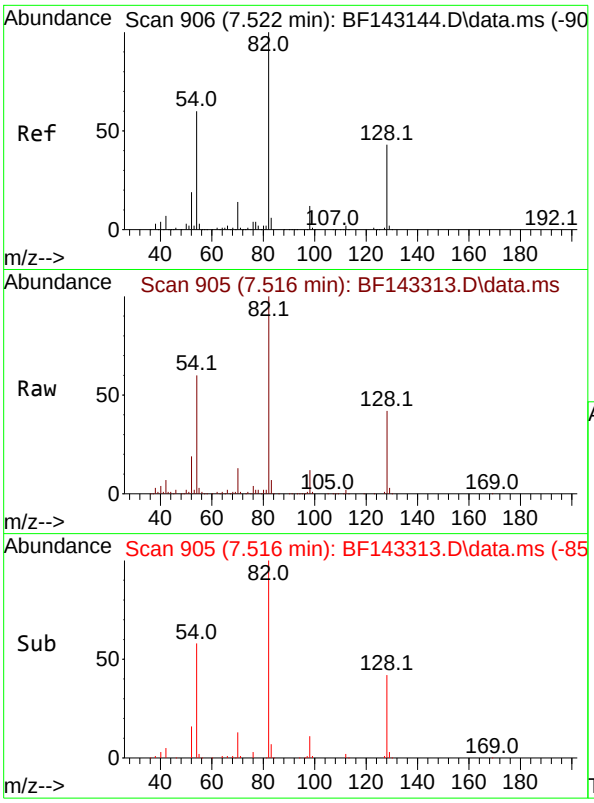


#22
Acetophenone
Concen: 20.394 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:105 Resp: 234736

Ion	Ratio	Lower	Upper
105	100		
71	9.2	5.8	8.6#
51	42.2	30.2	45.2
120	22.5	18.2	27.4



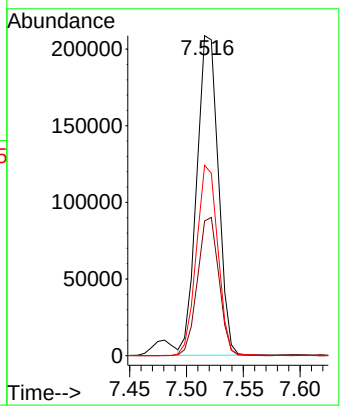


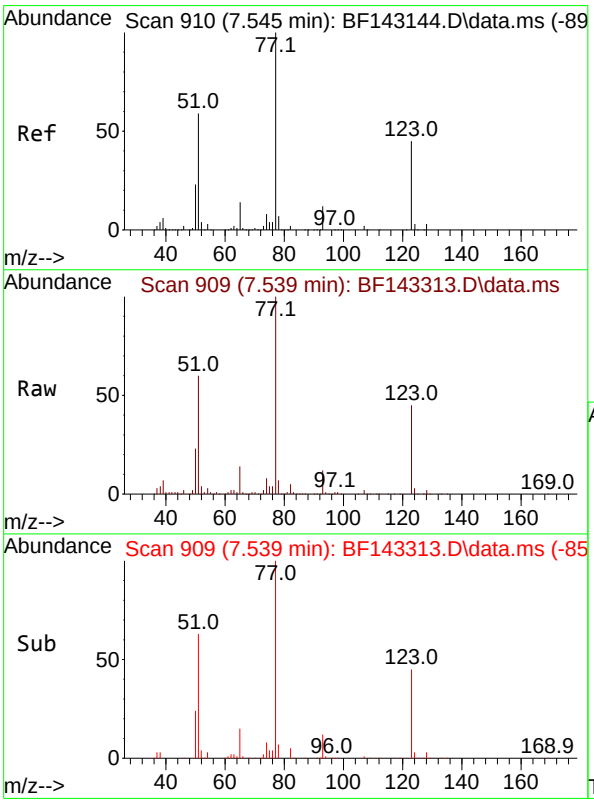
#23
Nitrobenzene-d5
Concen: 28.224 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 82 Resp: 275271

Ion	Ratio	Lower	Upper
82	100		
128	42.1	33.6	50.4
54	59.5	47.1	70.7

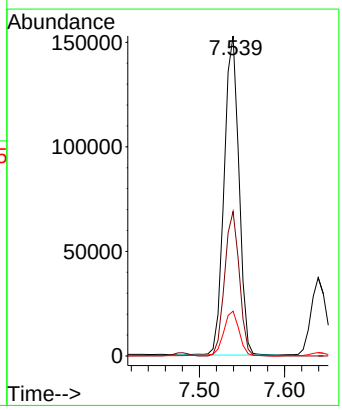


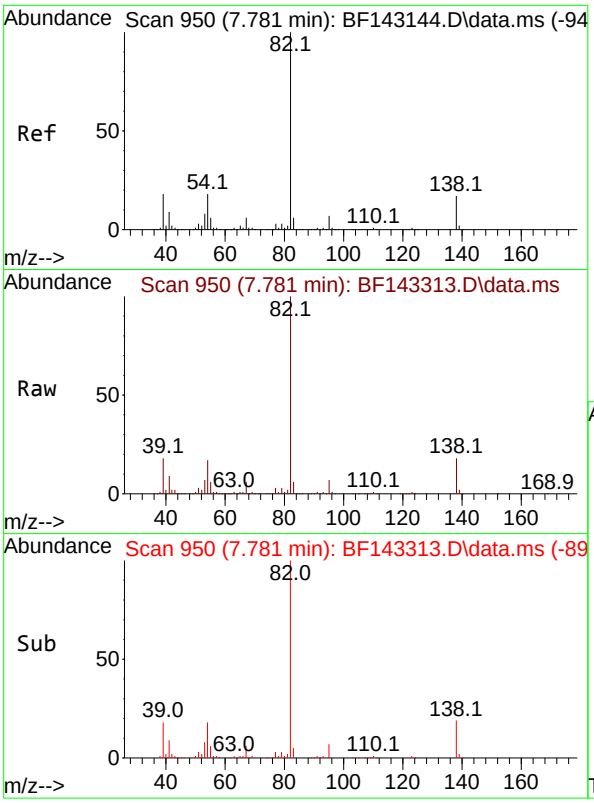


#24
Nitrobenzene
Concen: 20.373 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 77 Resp: 185250

Ion	Ratio	Lower	Upper
77	100		
123	45.2	36.1	54.1
65	14.0	11.4	17.2



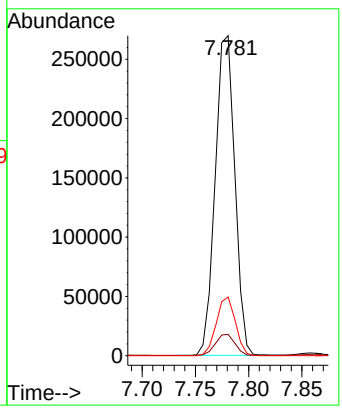


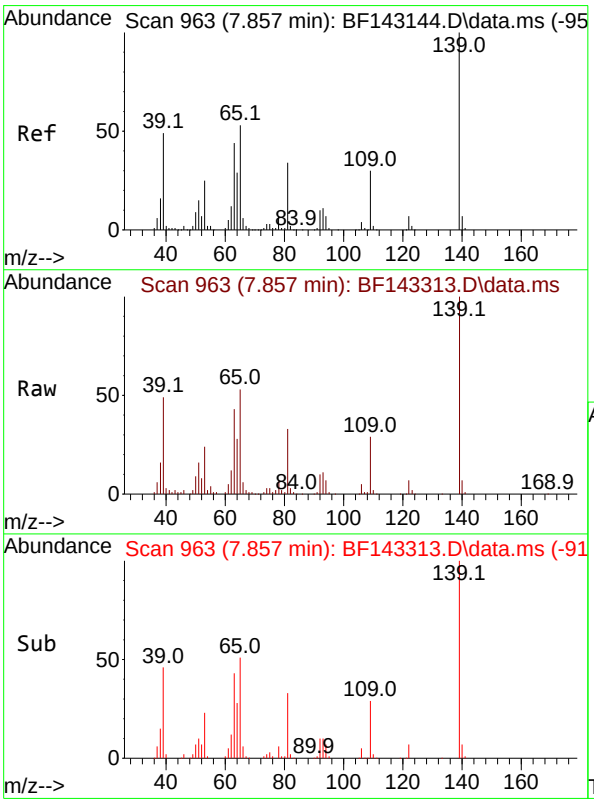
#25
Isophorone
Concen: 20.059 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 82 Resp: 345353

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	18.4	13.8	20.8

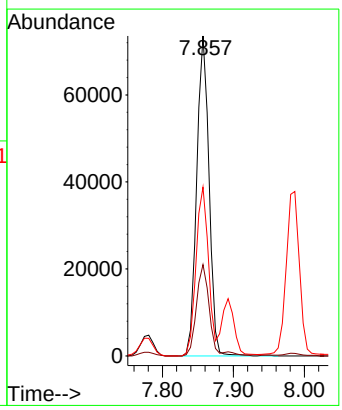


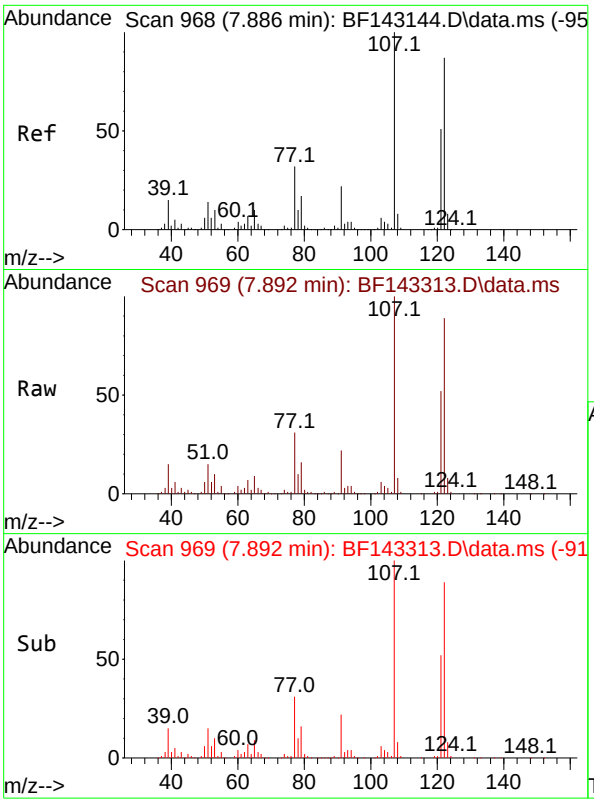


#26
2-Nitrophenol
Concen: 22.608 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:139 Resp: 89217

Ion	Ratio	Lower	Upper
139	100		
109	28.5	23.6	35.4
65	52.8	42.6	64.0



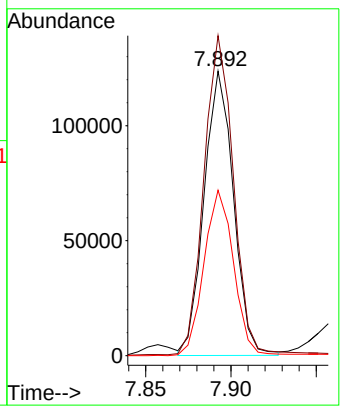


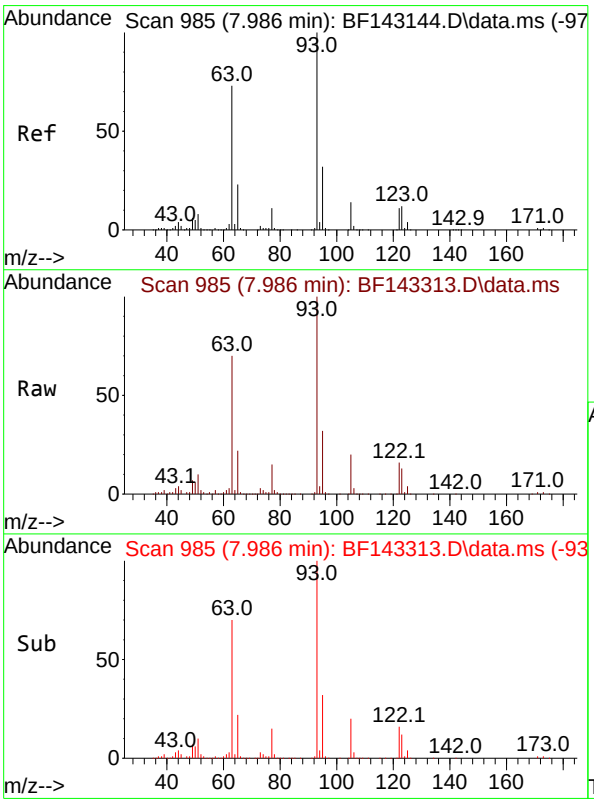
#27
2,4-Dimethylphenol
Concen: 18.487 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:122 Resp: 148709

Ion	Ratio	Lower	Upper
122	100		
107	112.5	91.8	137.6
121	58.1	46.3	69.5

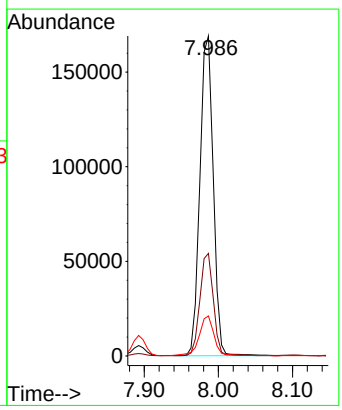


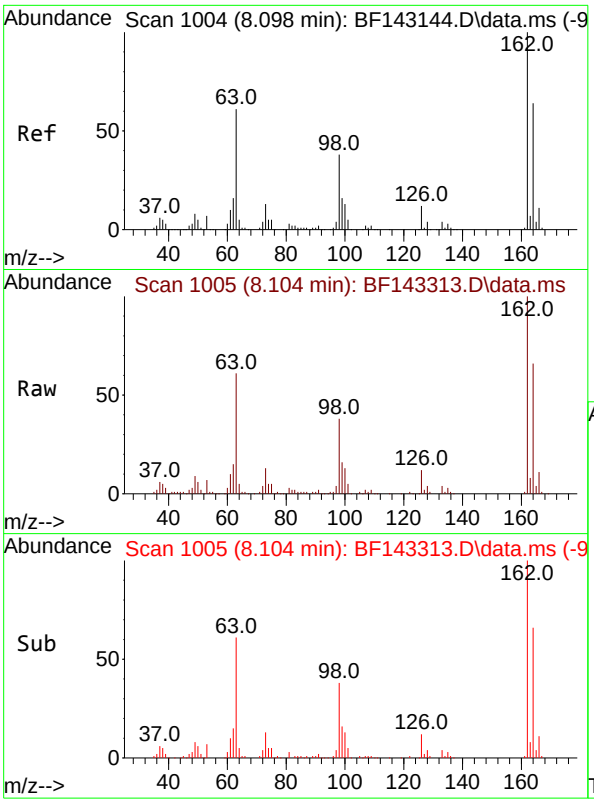


#28
bis(2-Chloroethoxy)methane
Concen: 20.505 ng
RT: 7.986 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 93 Resp: 211672

Ion	Ratio	Lower	Upper
93	100		
95	32.0	25.8	38.6
123	12.5	9.7	14.5



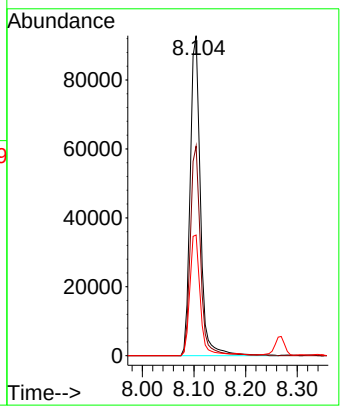


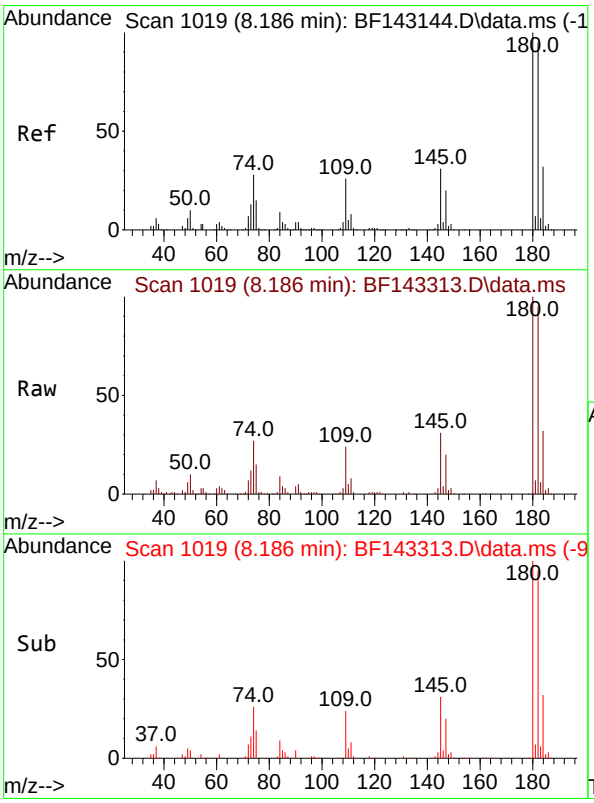
#29
2,4-Dichlorophenol
Concen: 18.907 ng
RT: 8.104 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:162 Resp: 128258

Ion	Ratio	Lower	Upper
162	100		
164	65.5	44.2	84.2
98	37.7	17.9	57.9

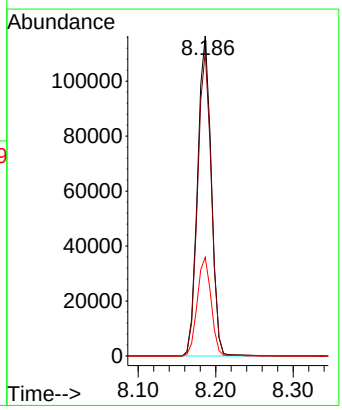


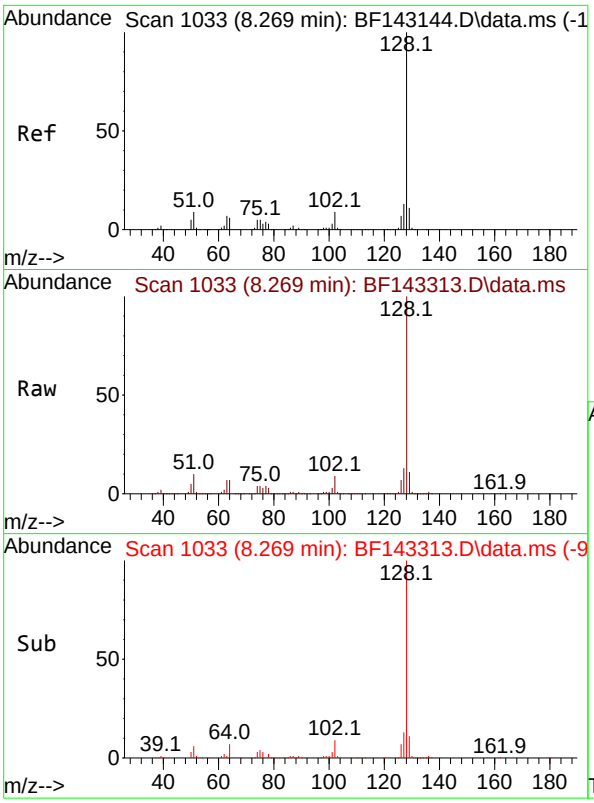


#30
1,2,4-Trichlorobenzene
Concen: 19.469 ng
RT: 8.186 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:180 Resp: 142684

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
145	30.9	25.0	37.6



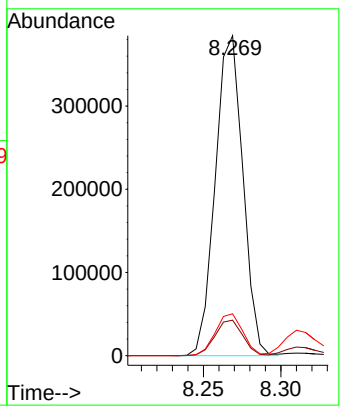


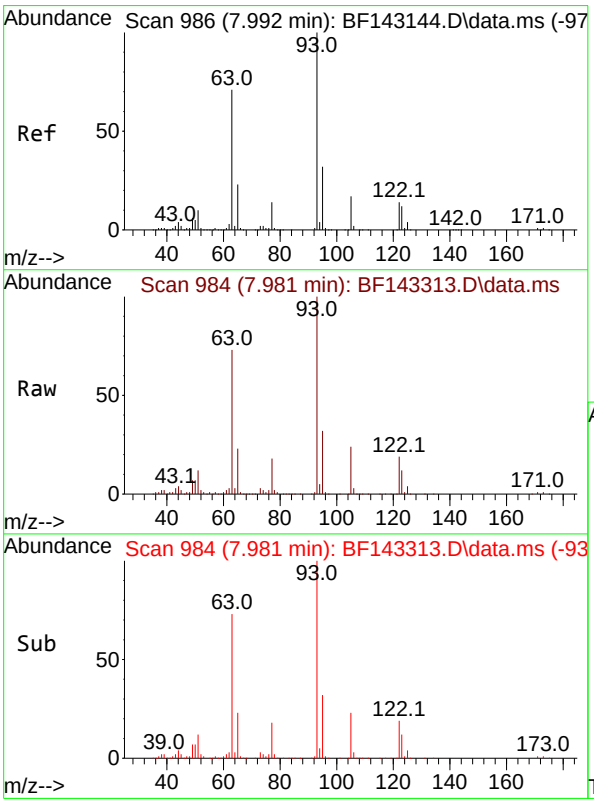
#31
Naphthalene
Concen: 19.925 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:128 Resp: 477055

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0

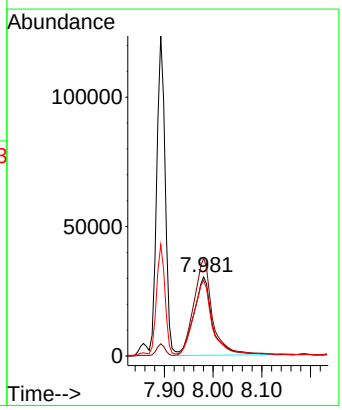


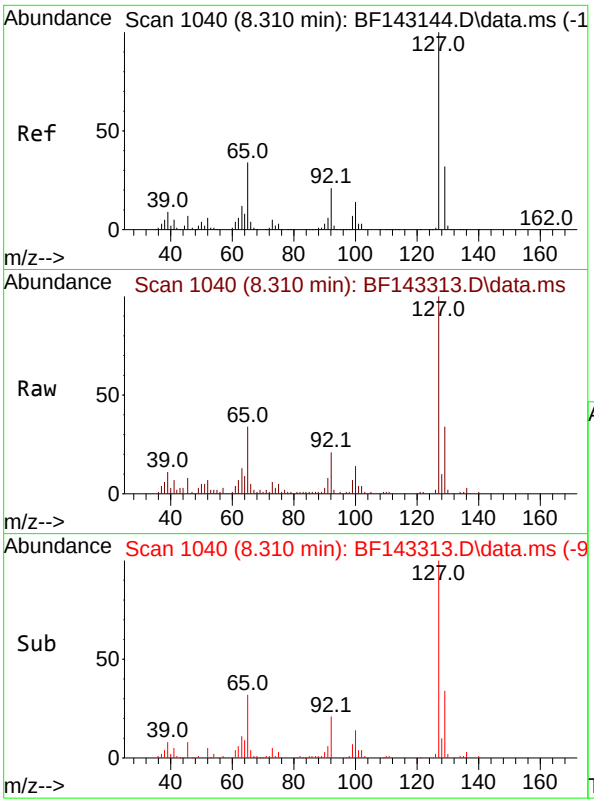


#32
Benzoic acid
Concen: 21.090 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:122 Resp: 80819

Ion	Ratio	Lower	Upper
122	100		
105	124.0	104.8	144.8
77	95.9	77.6	117.6



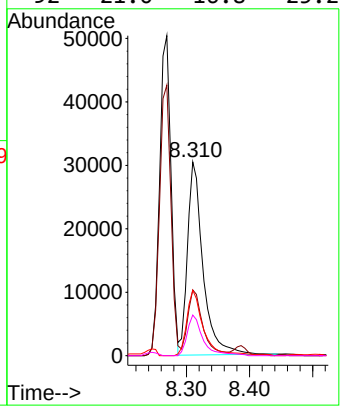


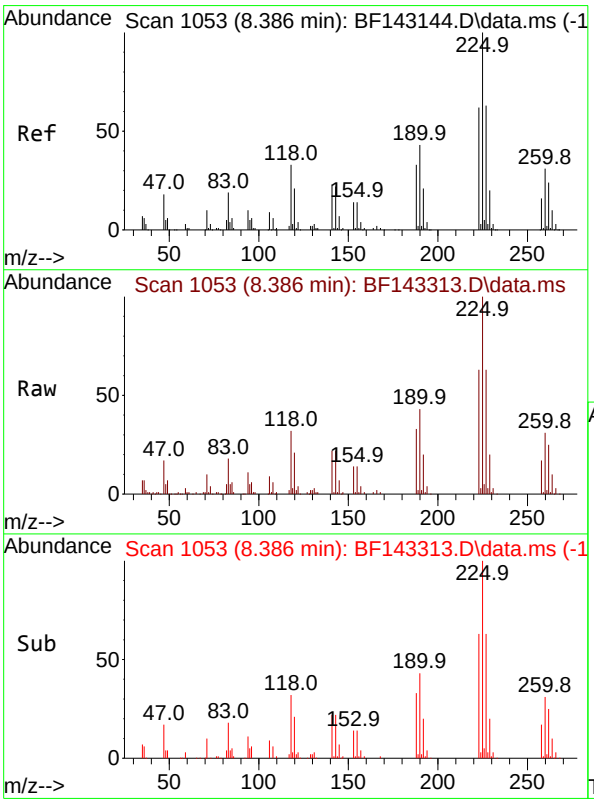
#33
4-Chloroaniline
Concen: 5.358 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:127 Resp: 52381

Ion	Ratio	Lower	Upper
127	100		
129	33.9	26.0	39.0
65	33.7	27.4	41.2
92	21.0	16.8	25.2

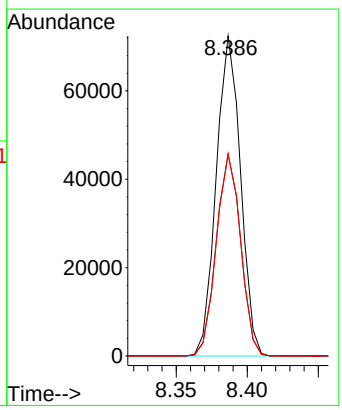


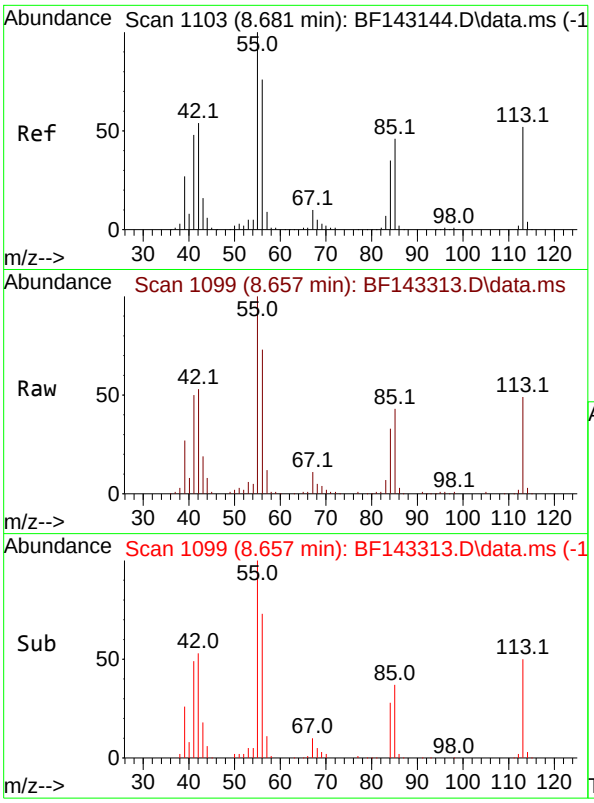


#34
Hexachlorobutadiene
Concen: 19.202 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:225 Resp: 85967

Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.8	74.6
227	63.0	50.2	75.4



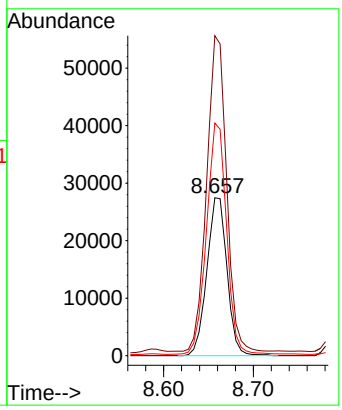


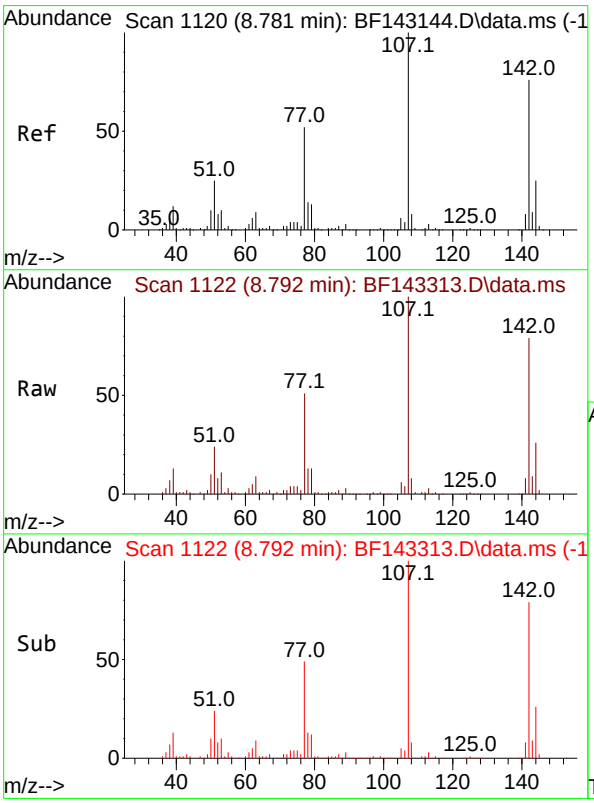
#35
Caprolactam
Concen: 20.861 ng
RT: 8.657 min Scan# 1(
Delta R.T. -0.024 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:113 Resp: 42764

Ion	Ratio	Lower	Upper
113	100		
55	202.6	174.0	214.0
56	147.3	126.6	166.6

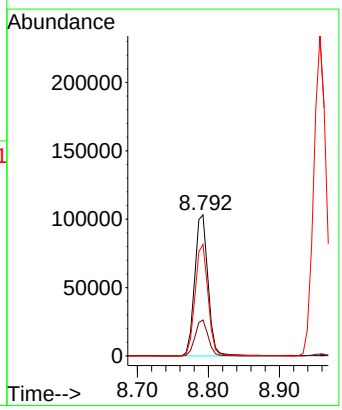


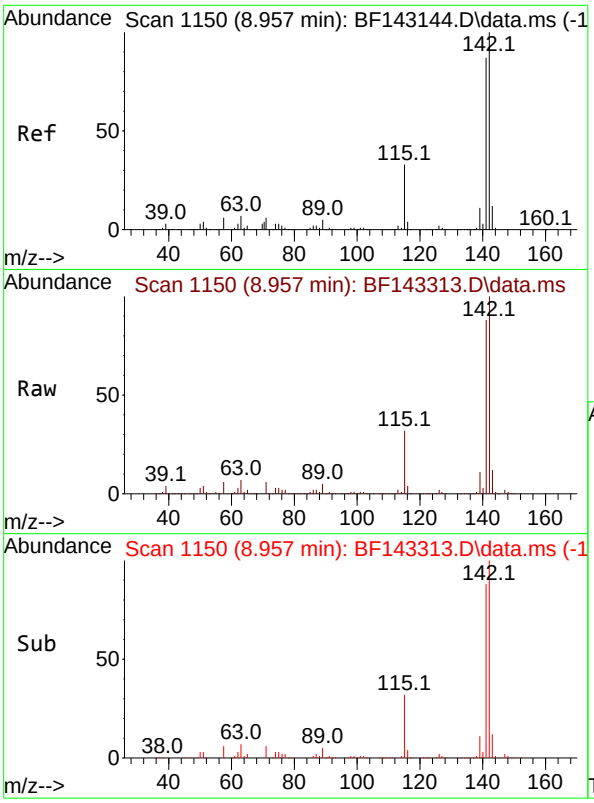


#36
4-Chloro-3-methylphenol
Concen: 18.399 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:107 Resp: 135660

Ion	Ratio	Lower	Upper
107	100		
144	25.5	19.8	29.6
142	79.0	60.6	90.8



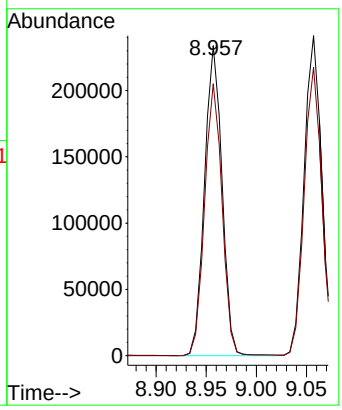


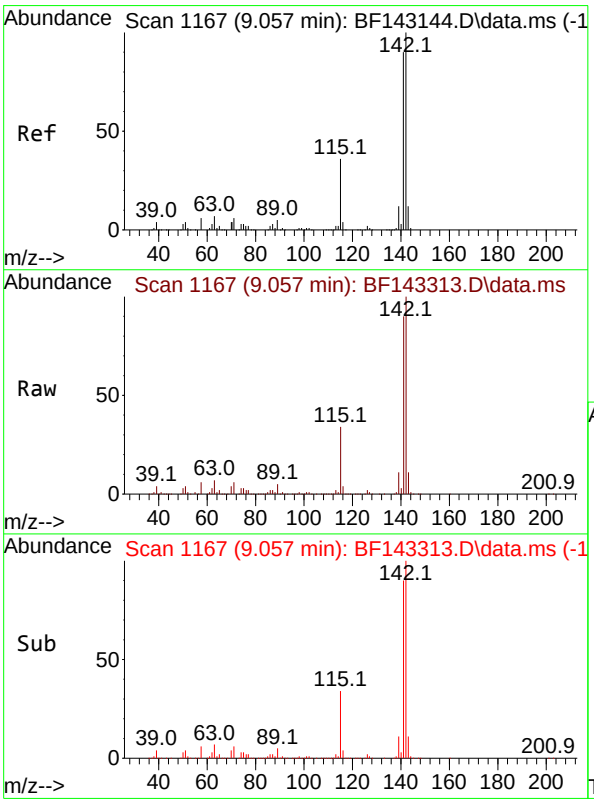
#37
2-Methylnaphthalene
Concen: 19.557 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:142 Resp: 284935

Ion	Ratio	Lower	Upper
142	100		
141	87.7	69.9	104.9

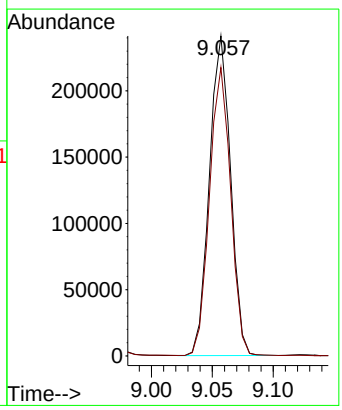


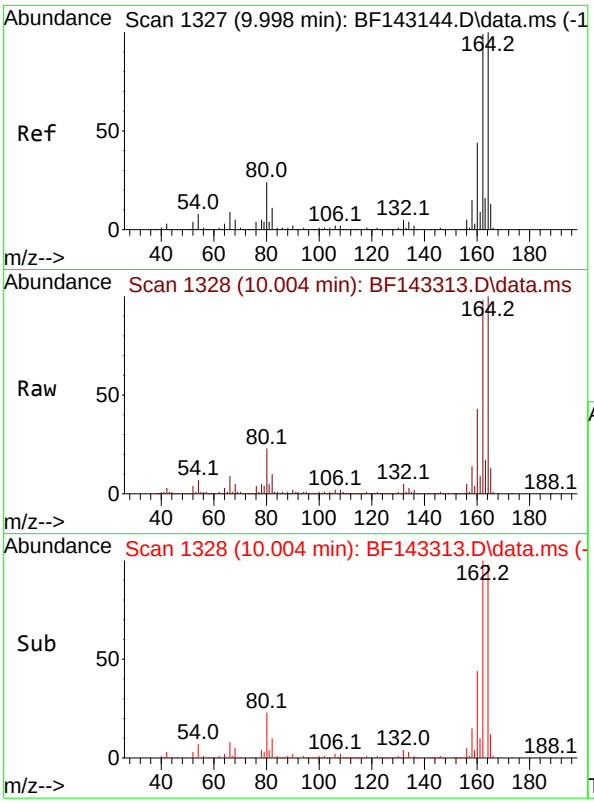


#38
1-Methylnaphthalene
Concen: 19.489 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:142 Resp: 292390

Ion	Ratio	Lower	Upper
142	100		
141	90.2	72.3	108.5



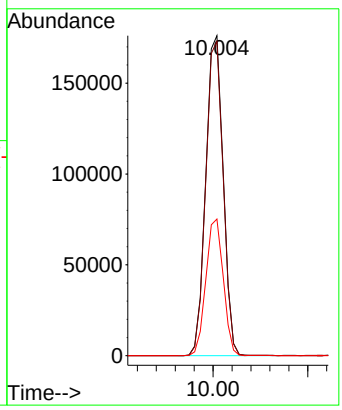


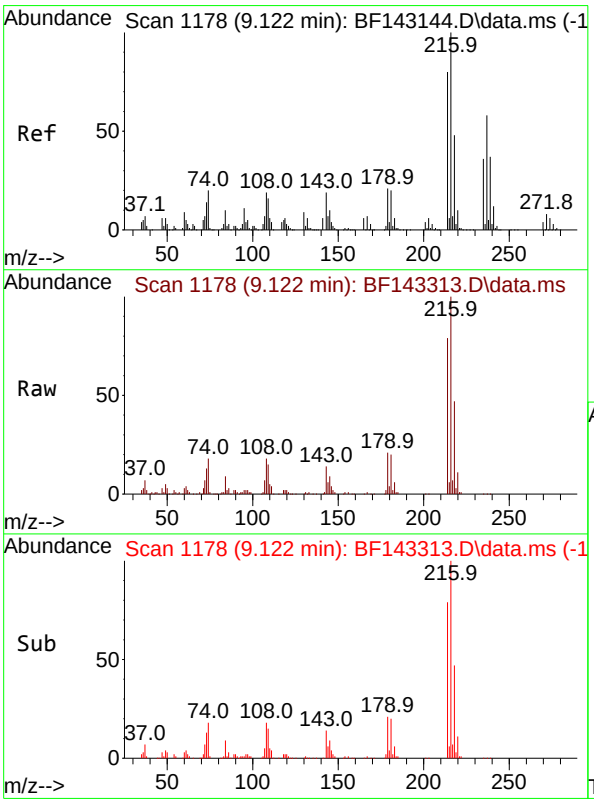
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:164 Resp: 224868

Ion	Ratio	Lower	Upper
164	100		
162	98.2	79.0	118.6
160	42.7	35.1	52.7

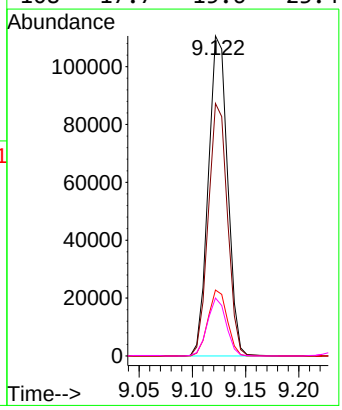


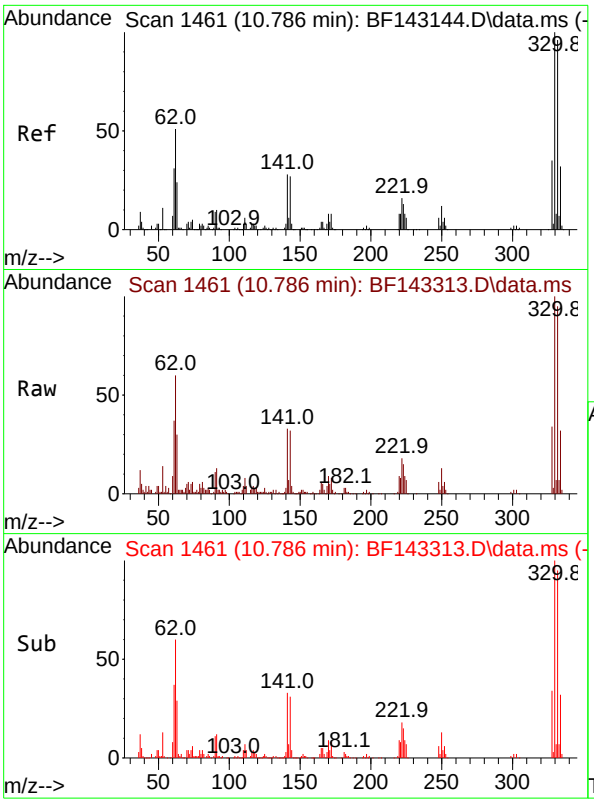


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.467 ng
RT: 9.122 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:216 Resp: 139365

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.8	95.8
179	20.4	16.4	24.6
108	17.7	15.6	23.4



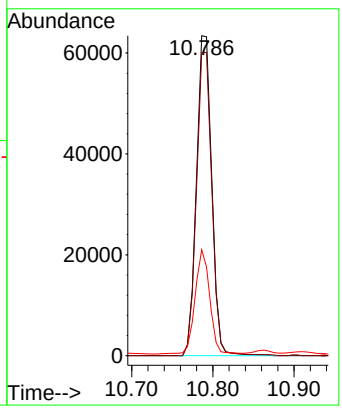


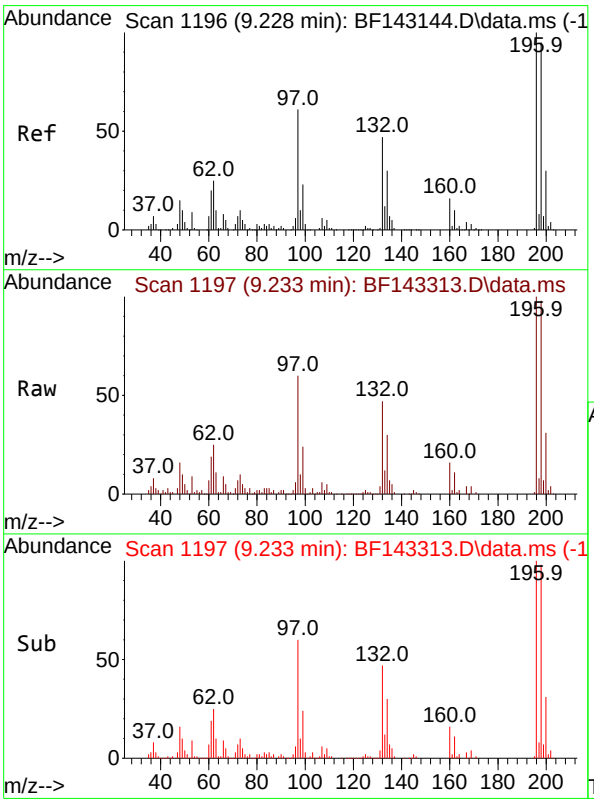
#42
2,4,6-Tribromophenol
Concen: 35.934 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:330 Resp: 83476

Ion	Ratio	Lower	Upper
330	100		
332	94.9	76.7	115.1
141	31.3	23.3	34.9

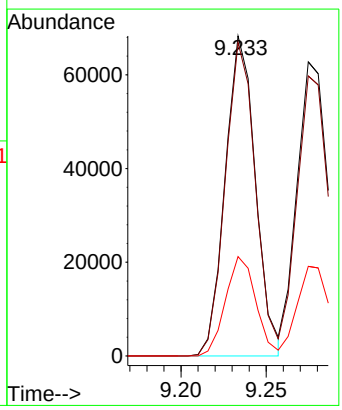


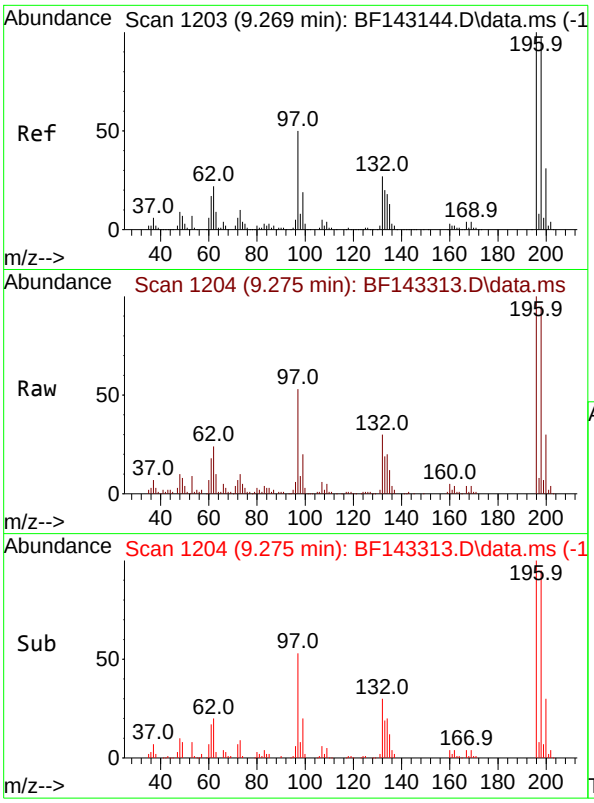


#43
2,4,6-Trichlorophenol
Concen: 18.844 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:196 Resp: 84670

Ion	Ratio	Lower	Upper
196	100		
198	97.9	76.2	114.2
200	31.1	23.9	35.9



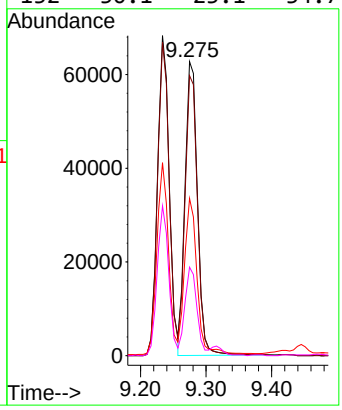


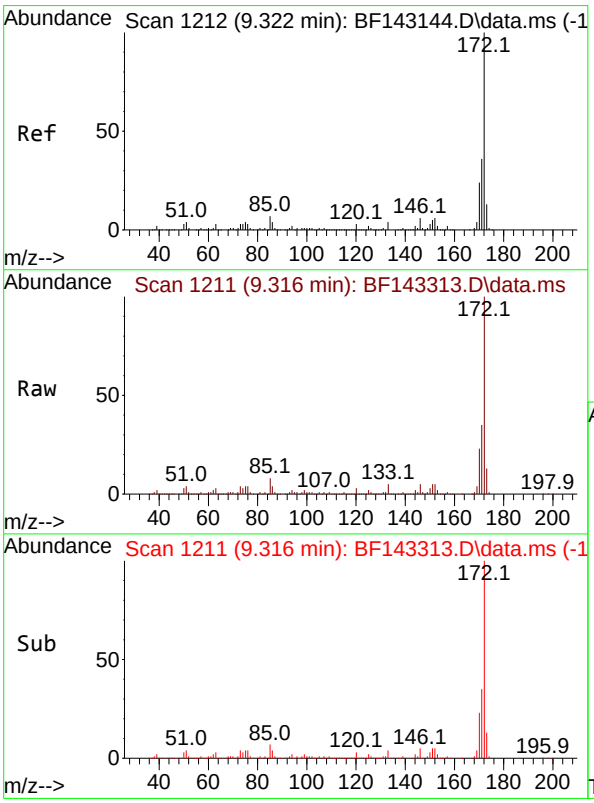
#44
2,4,5-Trichlorophenol
Concen: 18.388 ng
RT: 9.275 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:196 Resp: 82644

Ion	Ratio	Lower	Upper
196	100		
198	95.2	77.3	115.9
97	53.5	40.3	60.5
132	30.1	23.1	34.7

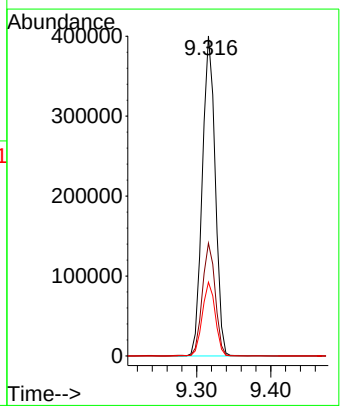


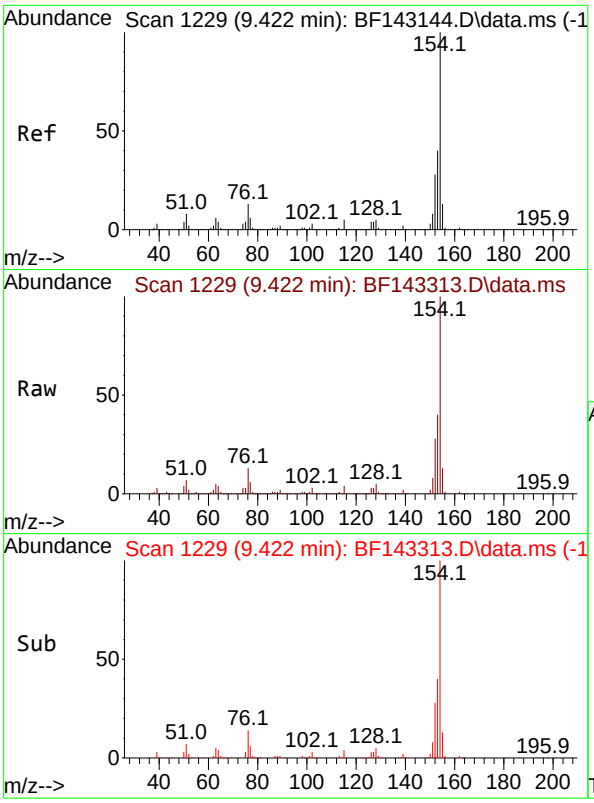


#45
2-Fluorobiphenyl
Concen: 29.488 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:172 Resp: 484848

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.1	18.8	28.2



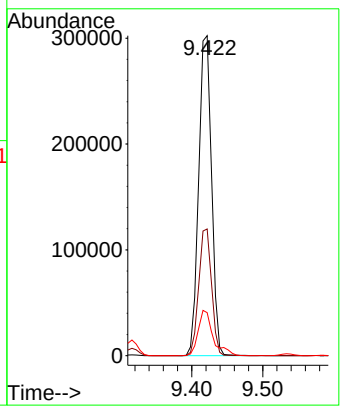


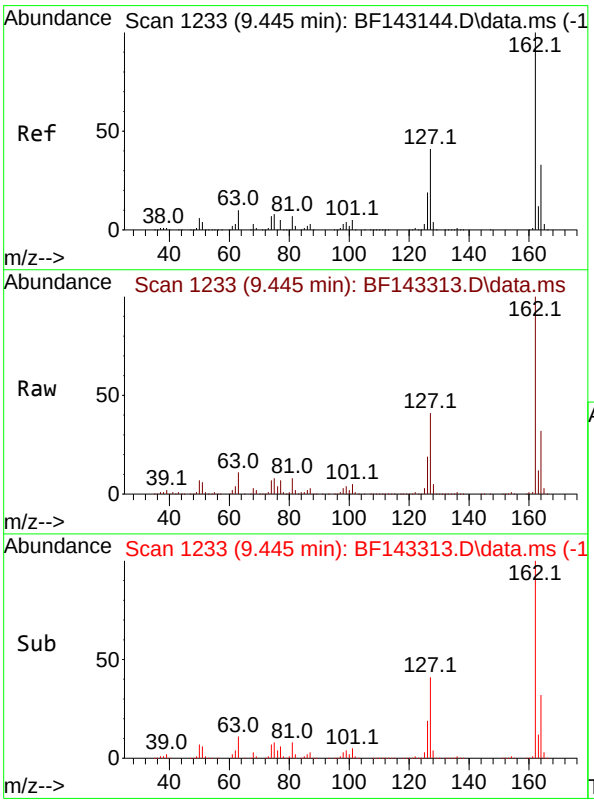
#46
1,1'-Biphenyl
Concen: 21.795 ng
RT: 9.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:154 Resp: 382379

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.3	60.3
76	13.5	0.0	33.3

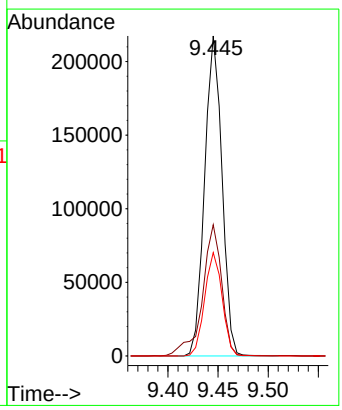


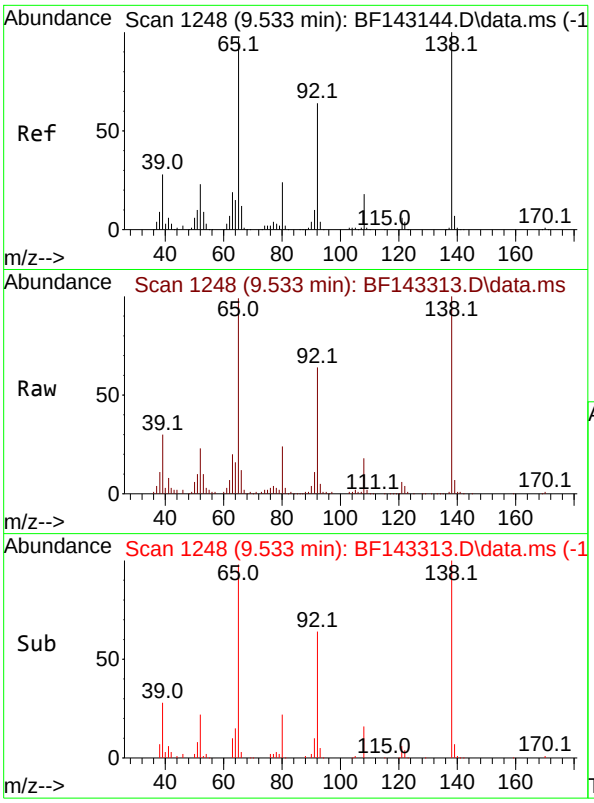


#47
2-Chloronaphthalene
Concen: 20.244 ng
RT: 9.445 min Scan# 1233
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:162 Resp: 262793

Ion	Ratio	Lower	Upper
162	100		
127	41.0	33.4	50.2
164	32.3	26.2	39.2



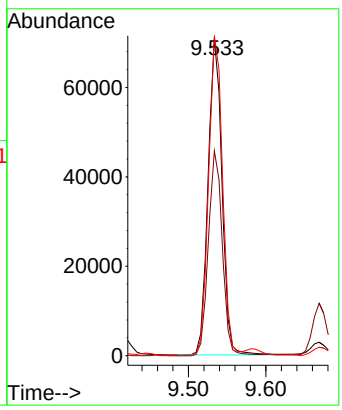


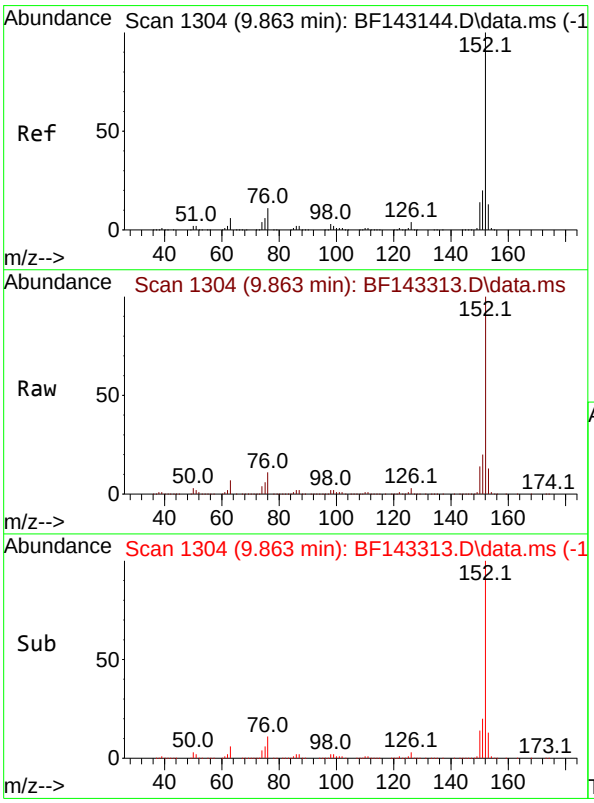
#48
2-Nitroaniline
Concen: 21.653 ng
RT: 9.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion: 65 Resp: 88146

Ion	Ratio	Lower	Upper
65	100		
92	64.6	52.4	78.6
138	100.9	82.3	123.5

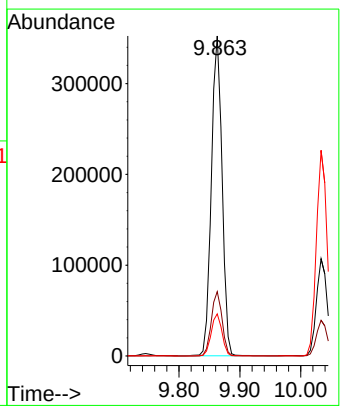


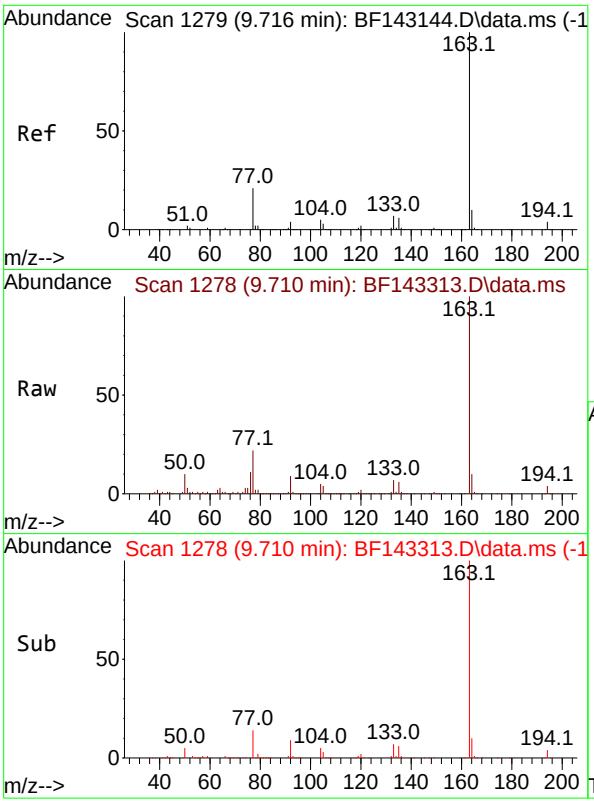


#49
Acenaphthylene
Concen: 19.781 ng
RT: 9.863 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:152 Resp: 430327

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.1	10.6	16.0



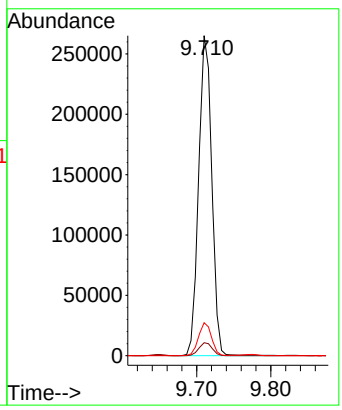


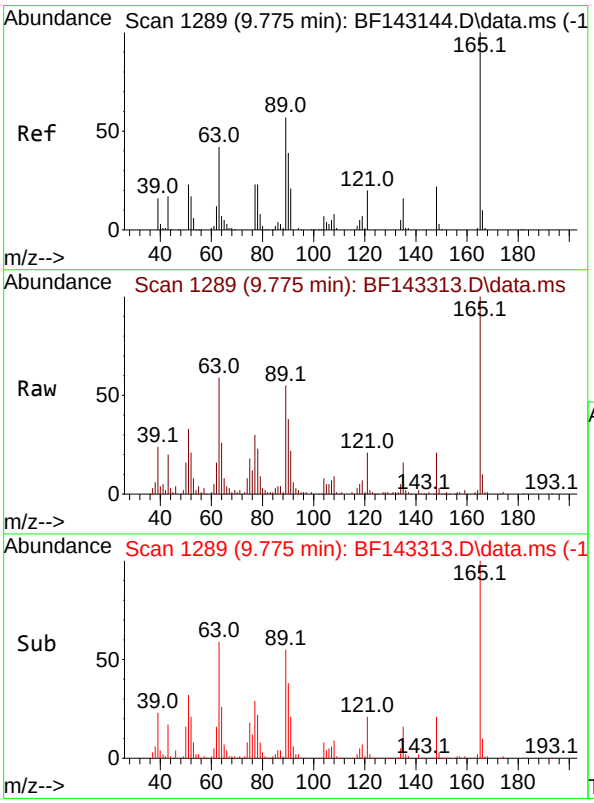
#50
Dimethylphthalate
Concen: 22.245 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:163 Resp: 326052

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.4	5.2
164	10.3	8.3	12.5

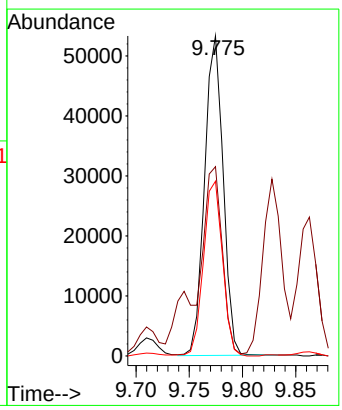


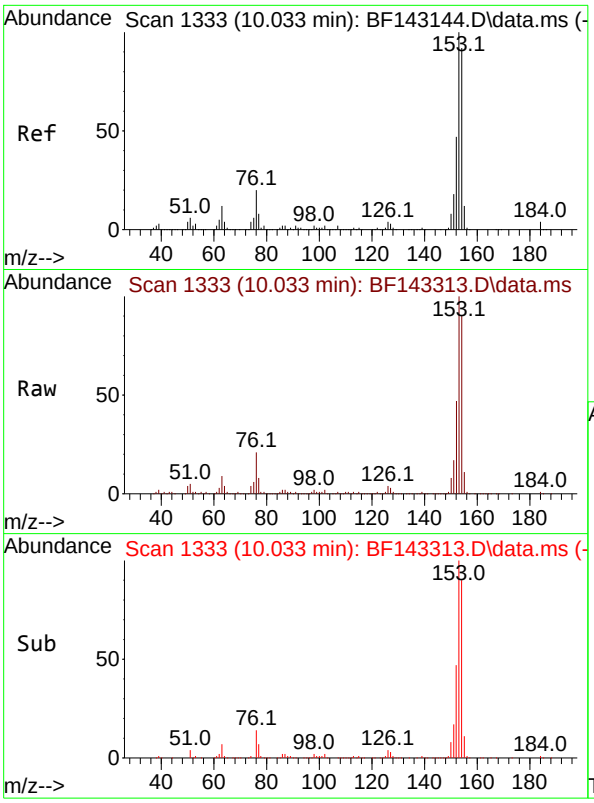


#51
2,6-Dinitrotoluene
Concen: 21.671 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:165 Resp: 64618

Ion	Ratio	Lower	Upper
165	100		
63	59.2	49.4	74.2
89	54.6	46.2	69.2



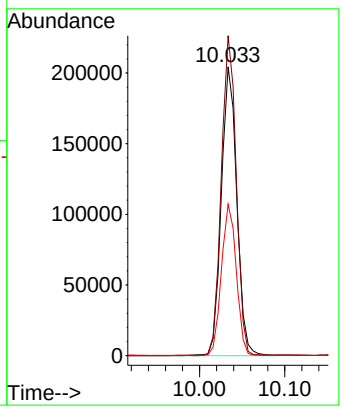


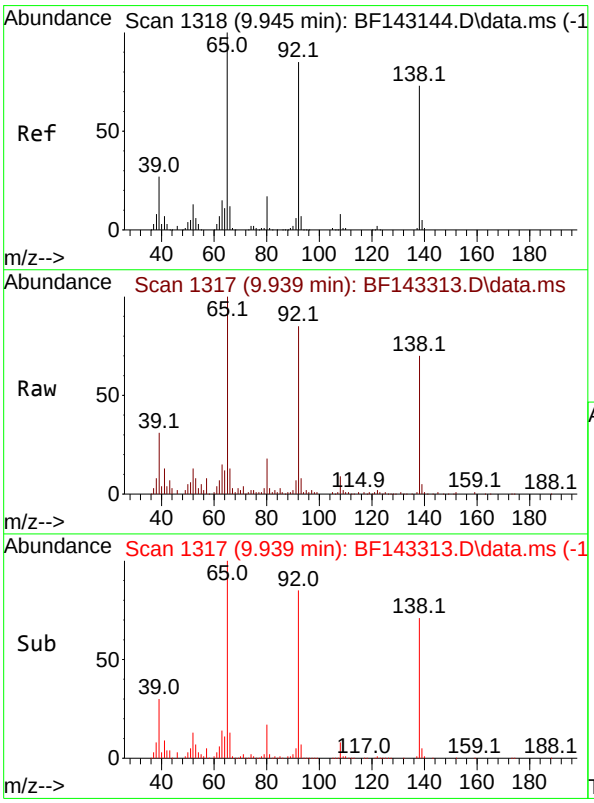
#52
Acenaphthene
Concen: 20.035 ng
RT: 10.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:154 Resp: 257617

Ion	Ratio	Lower	Upper
154	100		
153	110.8	86.6	129.8
152	52.4	40.4	60.6

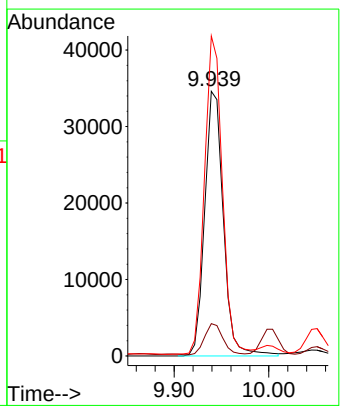


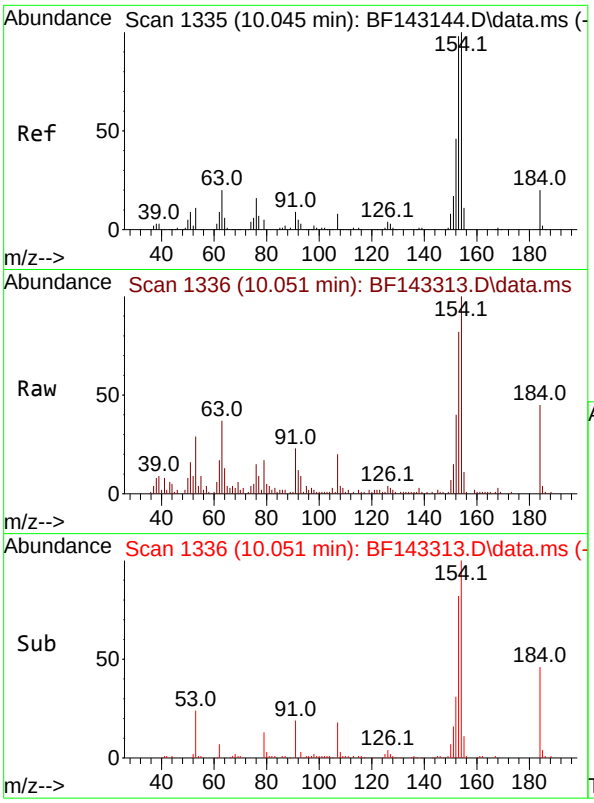


#53
3-Nitroaniline
Concen: 13.560 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:138 Resp: 47291

Ion	Ratio	Lower	Upper
138	100		
108	12.2	9.0	13.6
92	120.9	93.0	139.4



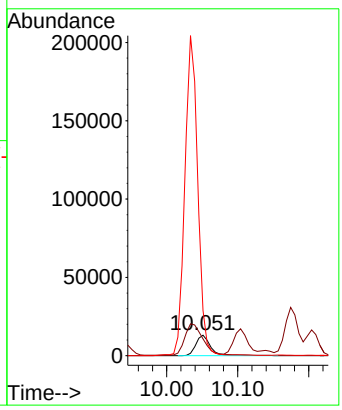


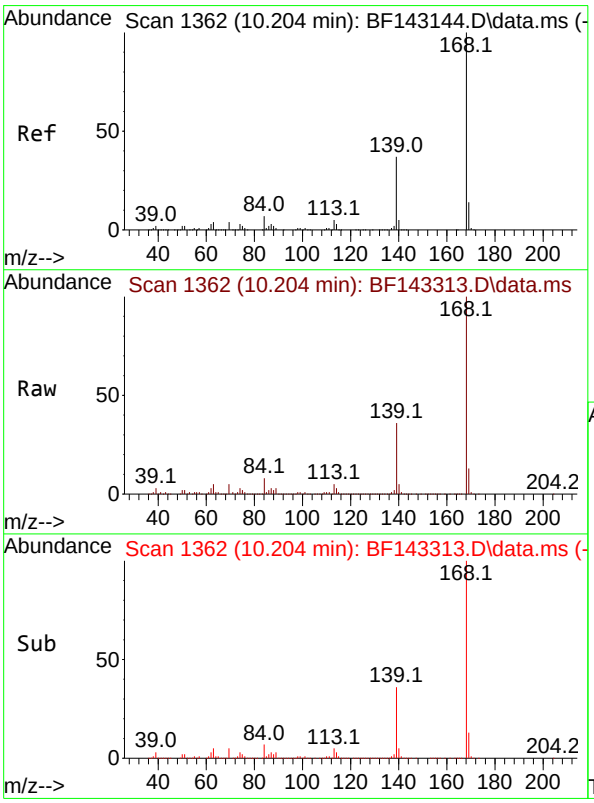
#54
2,4-Dinitrophenol
Concen: 19.684 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:184 Resp: 19195

Ion	Ratio	Lower	Upper
184	100		
63	82.1	81.8	122.6
154	221.0	412.2	618.4#

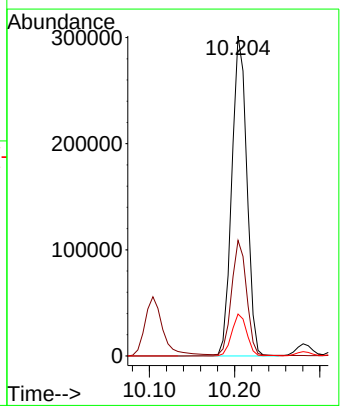


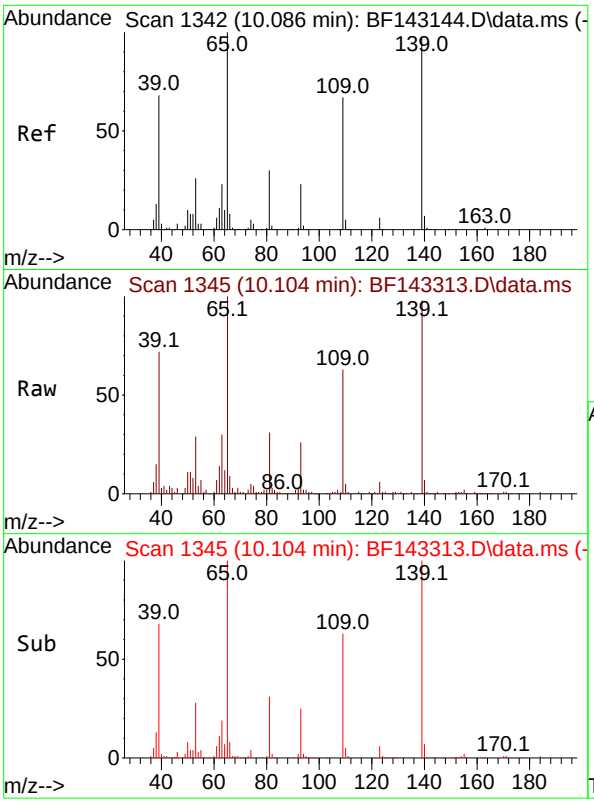


#55
Dibenzofuran
Concen: 19.428 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:168 Resp: 370877

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.5	44.3
169	13.1	10.9	16.3



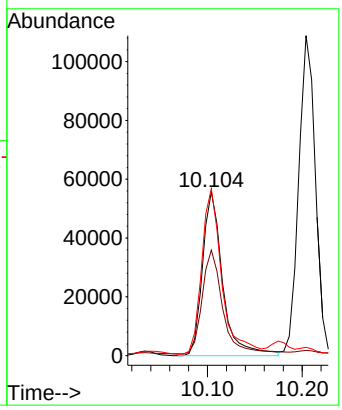


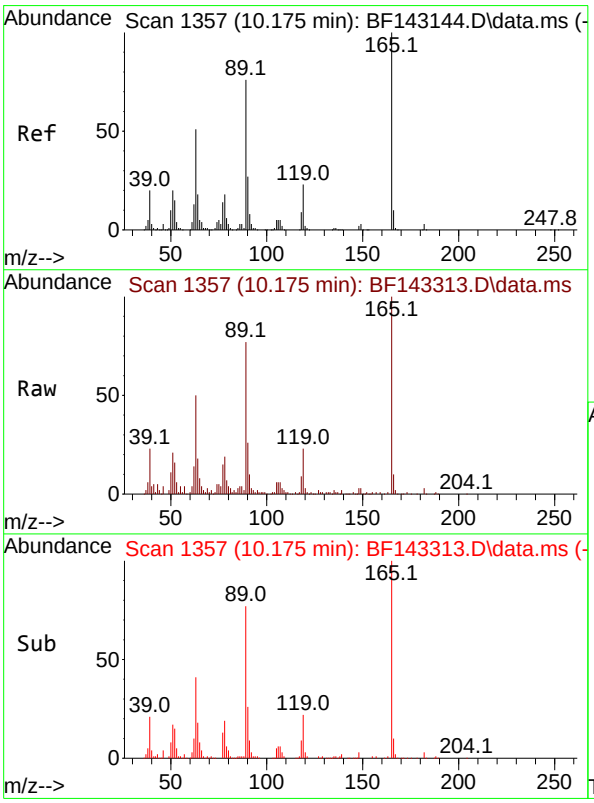
#56
4-Nitrophenol
Concen: 31.613 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:139 Resp: 82334

Ion	Ratio	Lower	Upper
139	100		
109	64.4	48.5	88.5
65	101.9	83.4	123.4

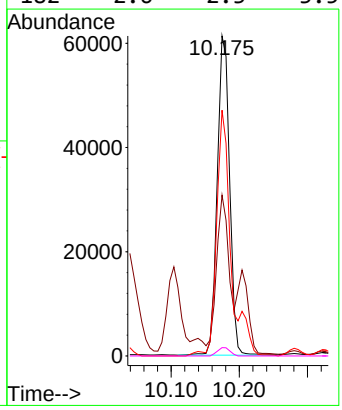


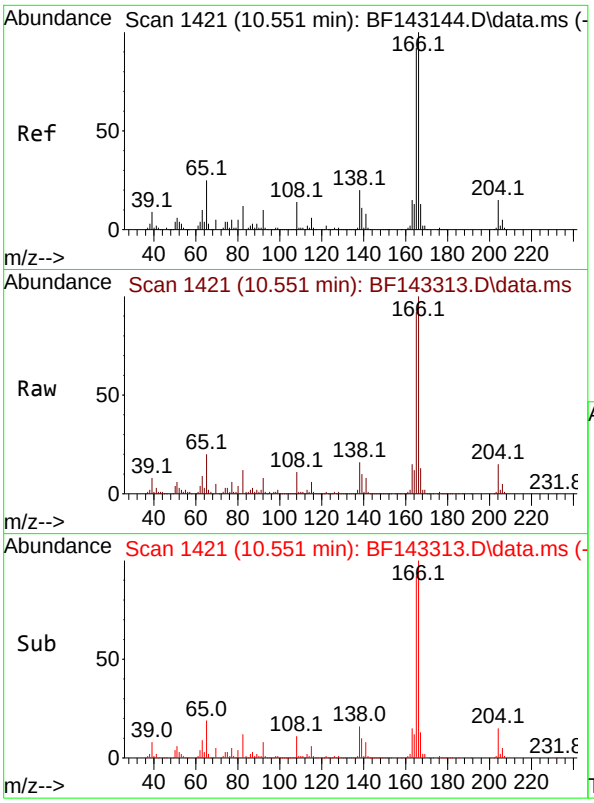


#57
2,4-Dinitrotoluene
Concen: 20.686 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:165 Resp: 77385

Ion	Ratio	Lower	Upper
165	100		
63	50.2	41.0	61.4
89	76.8	61.1	91.7
182	2.6	2.3	3.5



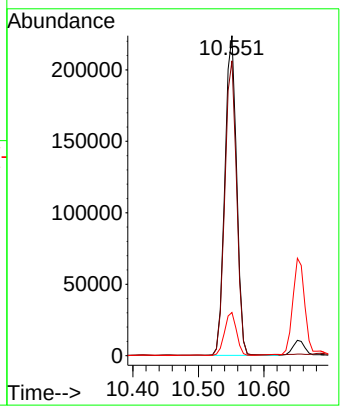


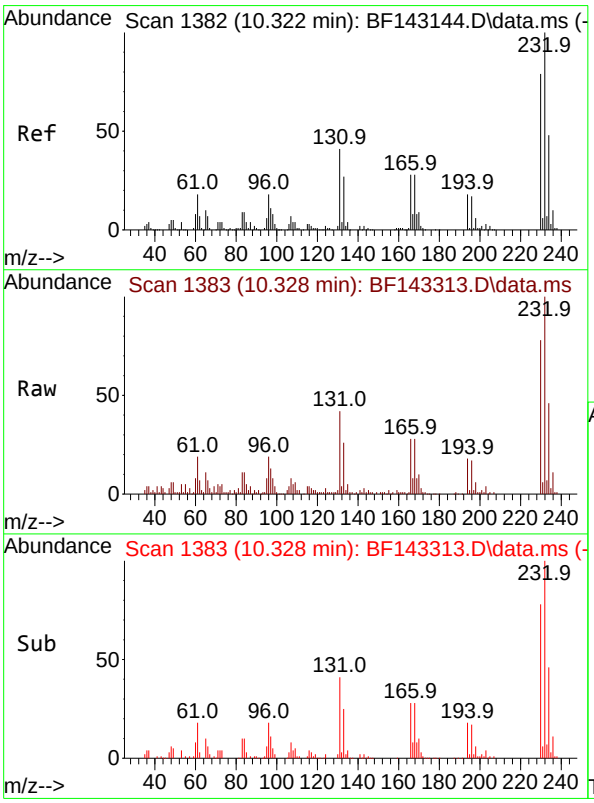
#58
Fluorene
Concen: 19.385 ng
RT: 10.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:166 Resp: 277735

Ion	Ratio	Lower	Upper
166	100		
165	92.2	73.7	110.5
167	13.5	10.6	16.0

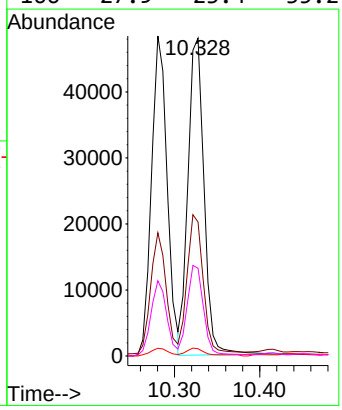


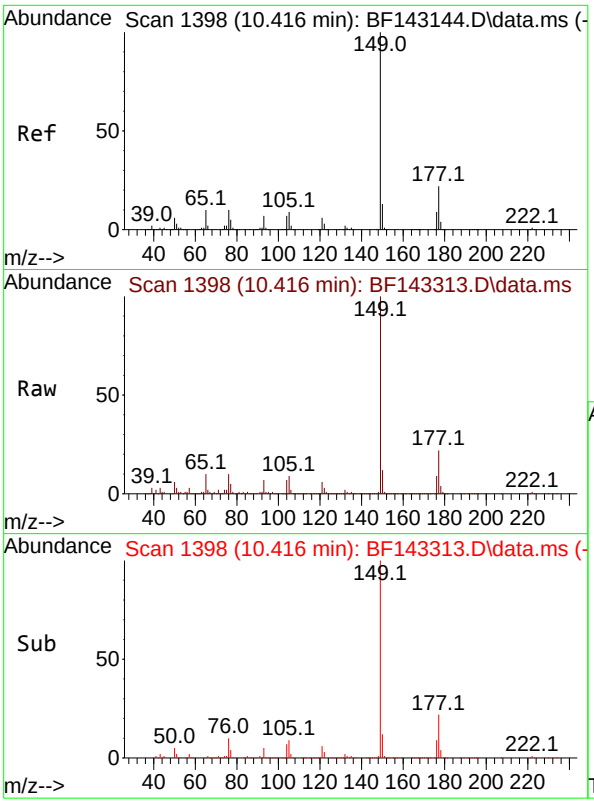


#59
2,3,4,6-Tetrachlorophenol
Concen: 16.922 ng
RT: 10.328 min Scan# 1383
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:232 Resp: 63002

Ion	Ratio	Lower	Upper
232	100		
131	42.5	35.3	52.9
130	2.1	1.7	2.5
166	27.9	23.4	35.2



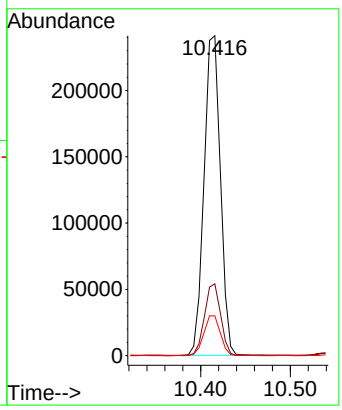


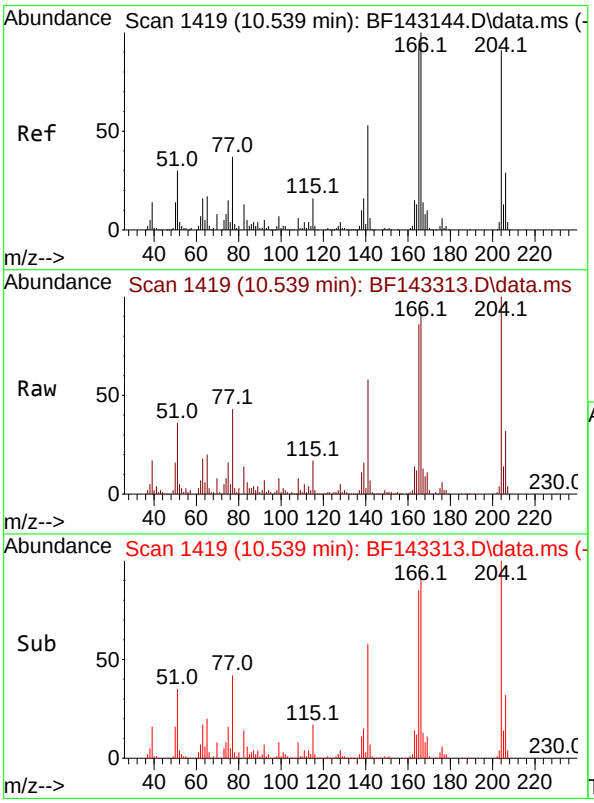
#60
Diethylphthalate
Concen: 21.081 ng
RT: 10.416 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:149 Resp: 305410

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.5	26.3
150	12.5	10.2	15.2

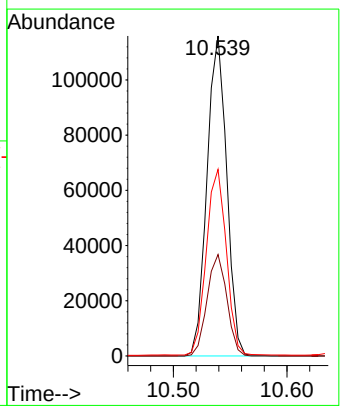


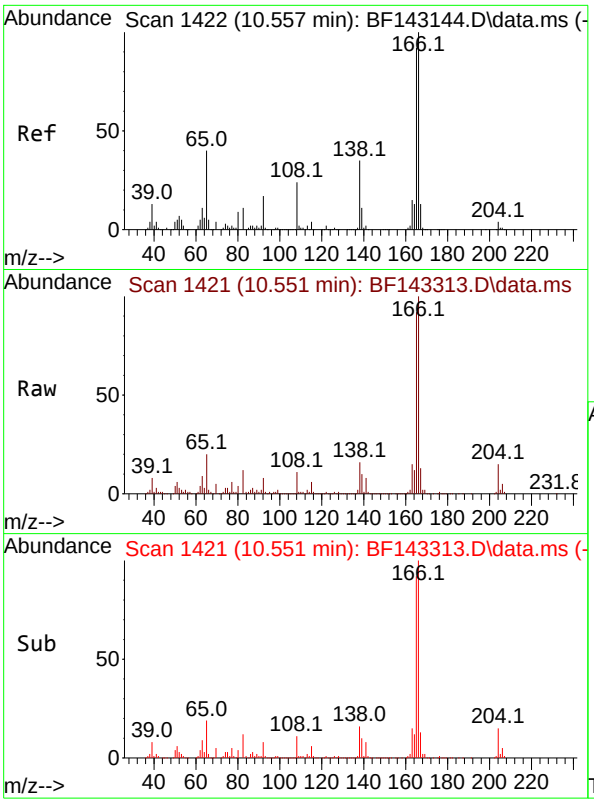


#61
4-Chlorophenyl-phenylether
Concen: 19.567 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:204 Resp: 139599

Ion	Ratio	Lower	Upper
204	100		
206	31.7	25.8	38.8
141	58.3	47.0	70.4



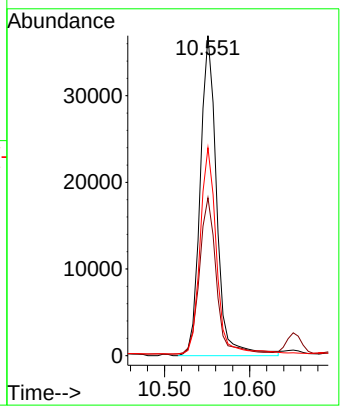


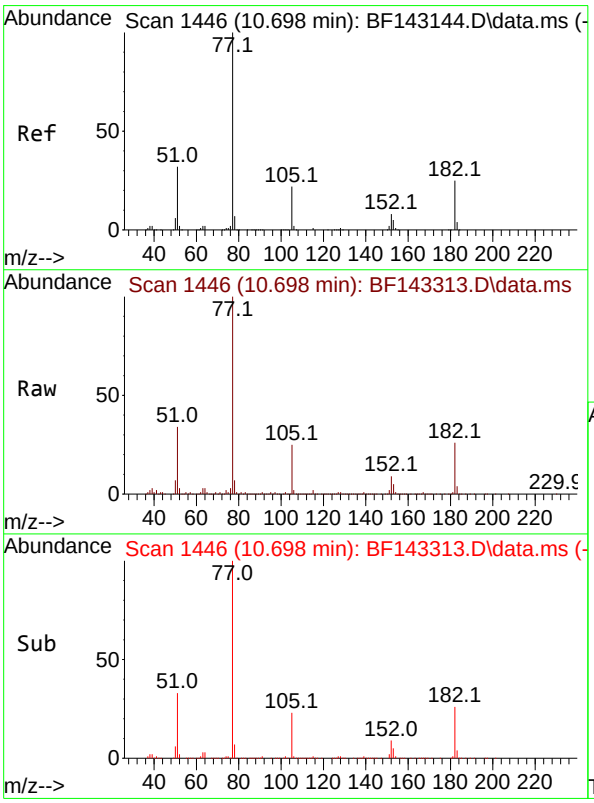
#62
4-Nitroaniline
Concen: 16.608 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:138 Resp: 49643

Ion	Ratio	Lower	Upper
138	100		
92	49.3	29.3	69.3
108	65.0	48.3	88.3

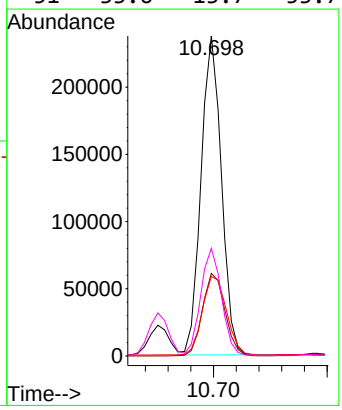


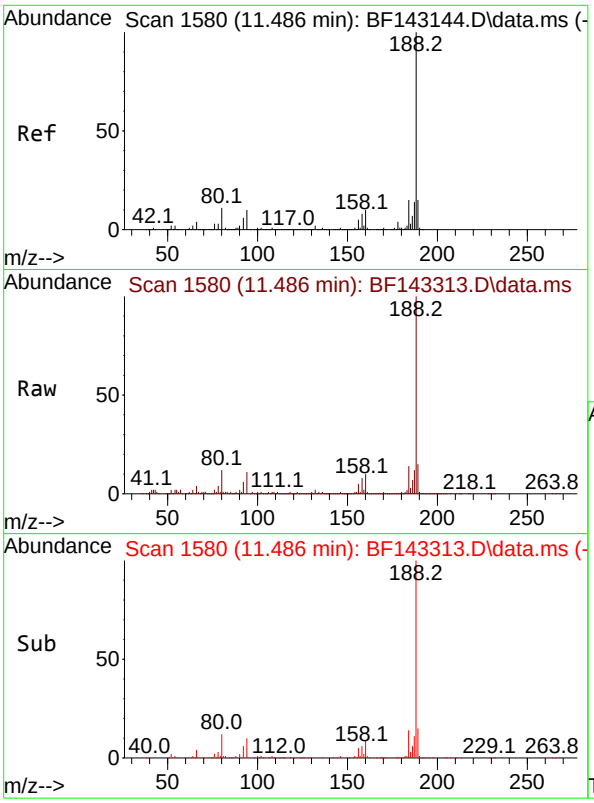


#63
Azobenzene
Concen: 19.564 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion: 77 Resp: 295403

Ion	Ratio	Lower	Upper
77	100		
182	25.8	4.6	44.6
105	24.8	1.4	41.4
51	33.6	13.7	53.7



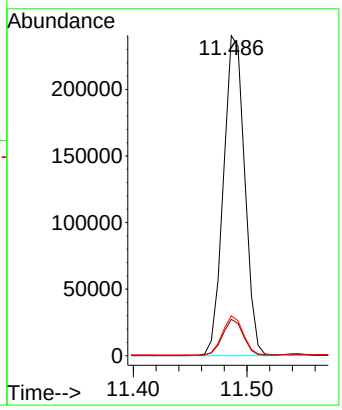


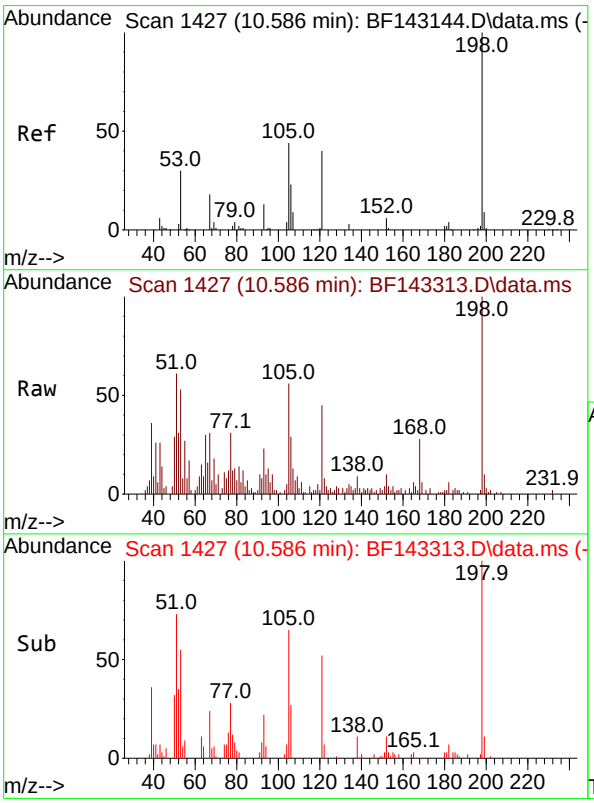
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:188 Resp: 312204

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.3	12.5
80	12.4	9.0	13.6

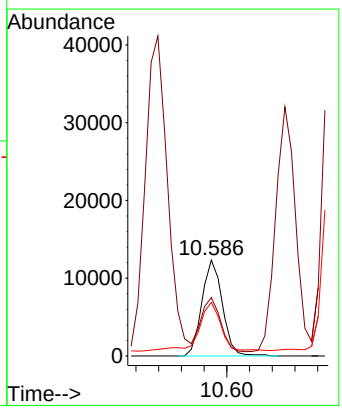


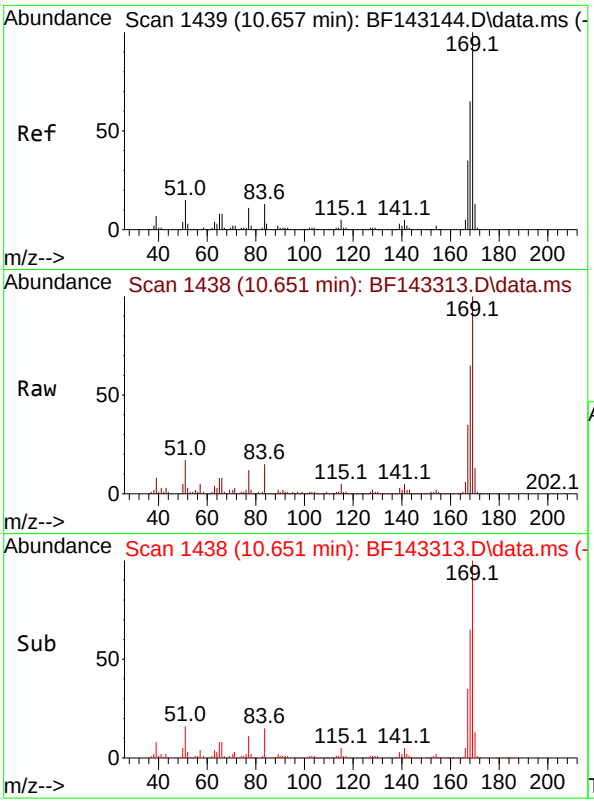


#65
4,6-Dinitro-2-methylphenol
Concen: 13.794 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:198 Resp: 15461

Ion	Ratio	Lower	Upper
198	100		
51	60.9	37.2	77.2
105	55.9	24.8	64.8



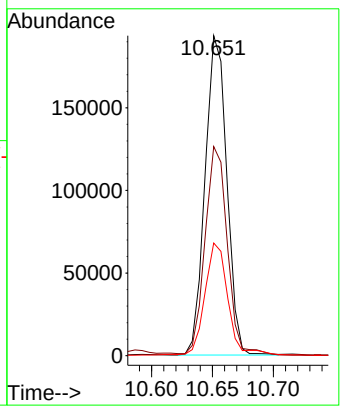


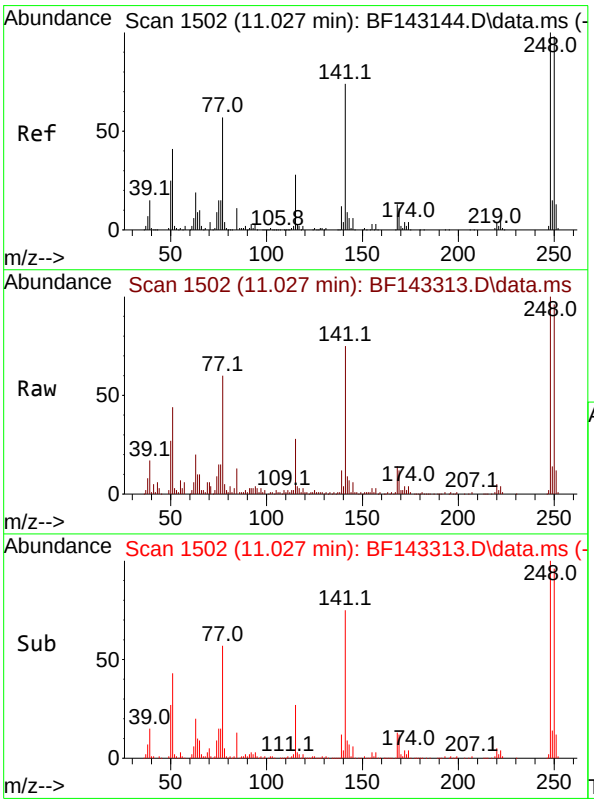
#66
n-Nitrosodiphenylamine
Concen: 21.866 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:169 Resp: 240384

Ion	Ratio	Lower	Upper
169	100		
168	65.4	52.1	78.1
167	35.2	28.2	42.2

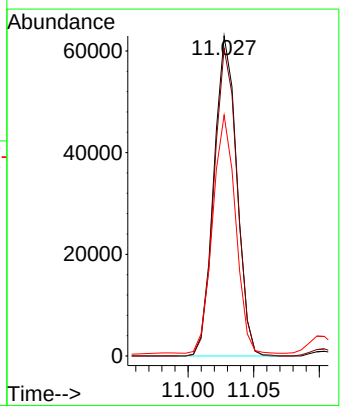


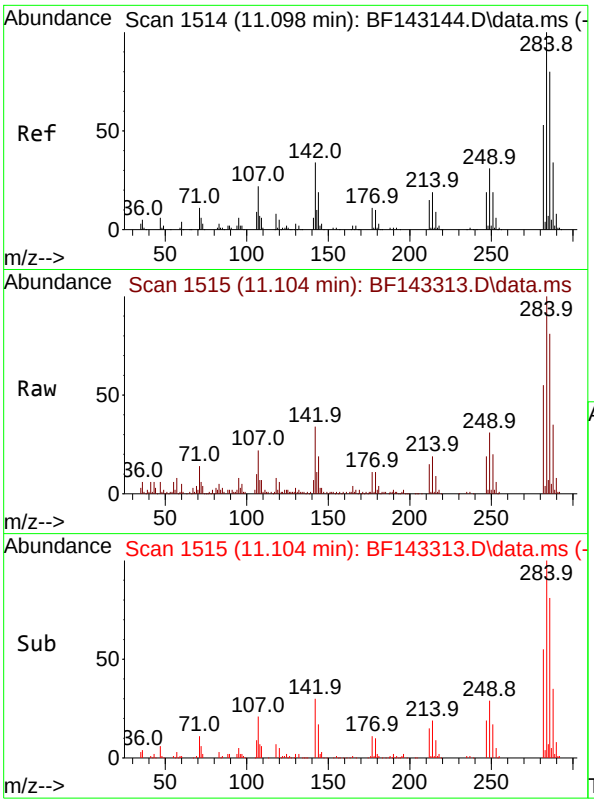


#67
4-Bromophenyl-phenylether
Concen: 20.583 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:248 Resp: 76580

Ion	Ratio	Lower	Upper
248	100		
250	96.1	78.3	117.5
141	75.3	59.2	88.8



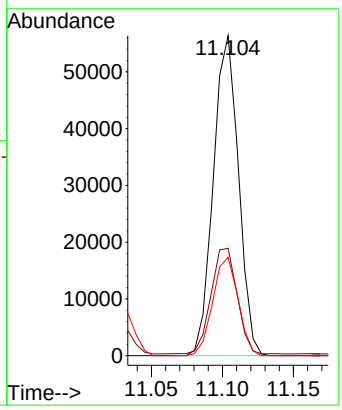


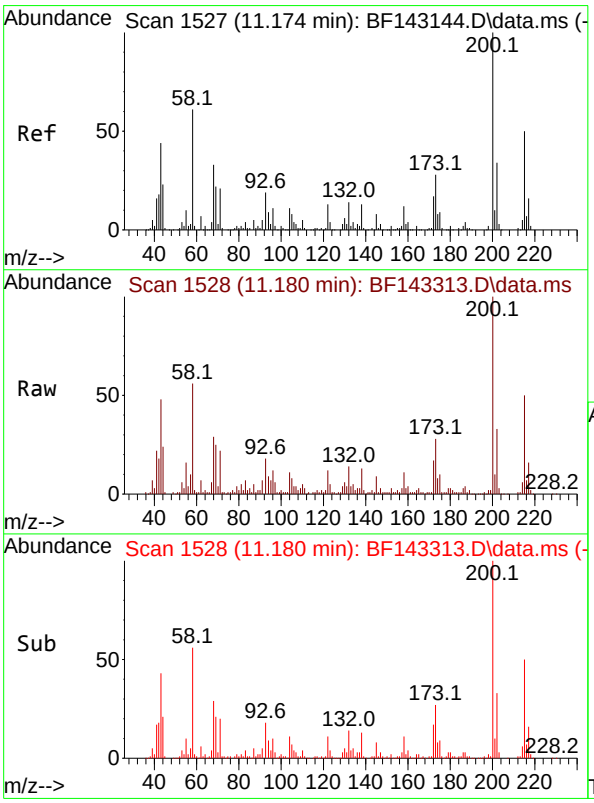
#68
Hexachlorobenzene
Concen: 17.841 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:284 Resp: 69382

Ion	Ratio	Lower	Upper
284	100		
142	33.5	27.0	40.6
249	30.8	25.0	37.6

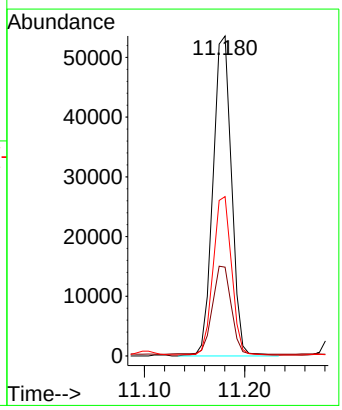


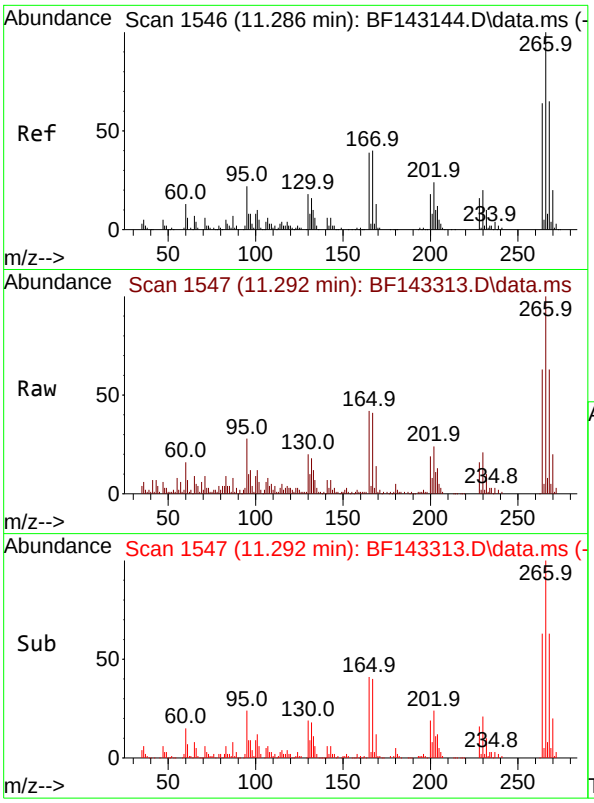


#69
Atrazine
Concen: 22.647 ng
RT: 11.180 min Scan# 1528
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:200 Resp: 68641

Ion	Ratio	Lower	Upper
200	100		
173	27.7	7.9	47.9
215	49.8	30.1	70.1



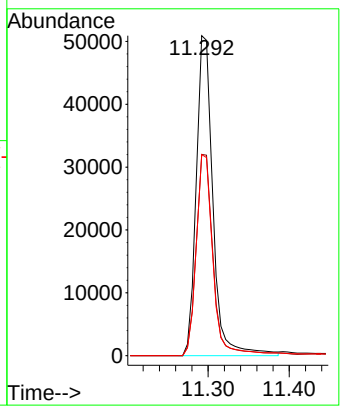


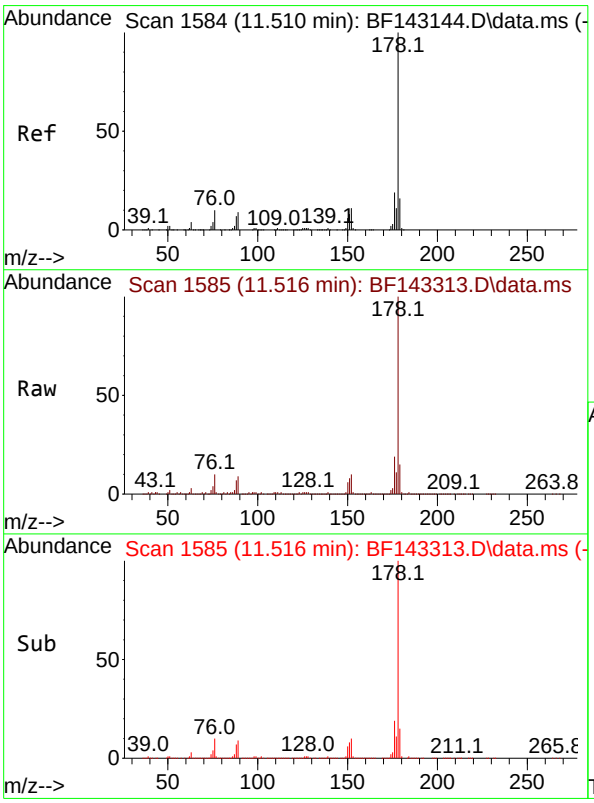
#70
Pentachlorophenol
Concen: 31.892 ng
RT: 11.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:266 Resp: 72936

Ion	Ratio	Lower	Upper
266	100		
268	62.9	51.9	77.9
264	62.9	51.0	76.6

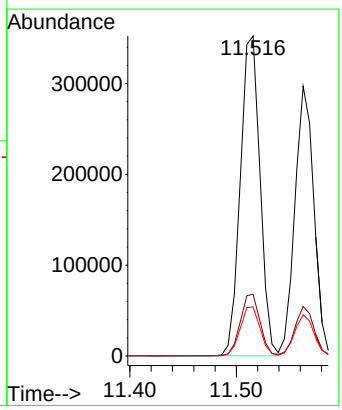


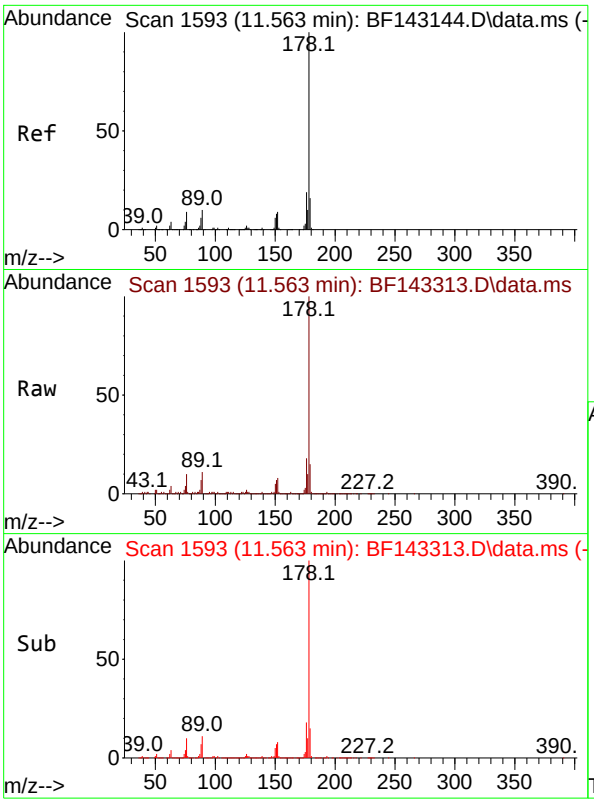


#71
Phenanthrene
Concen: 27.339 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:178 Resp: 453203

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.3	12.5	18.7



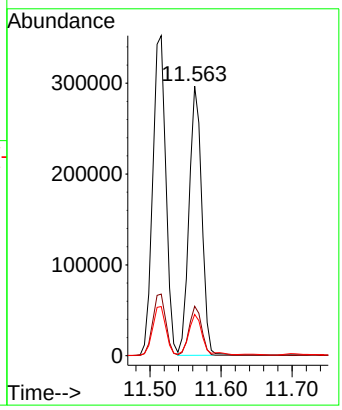


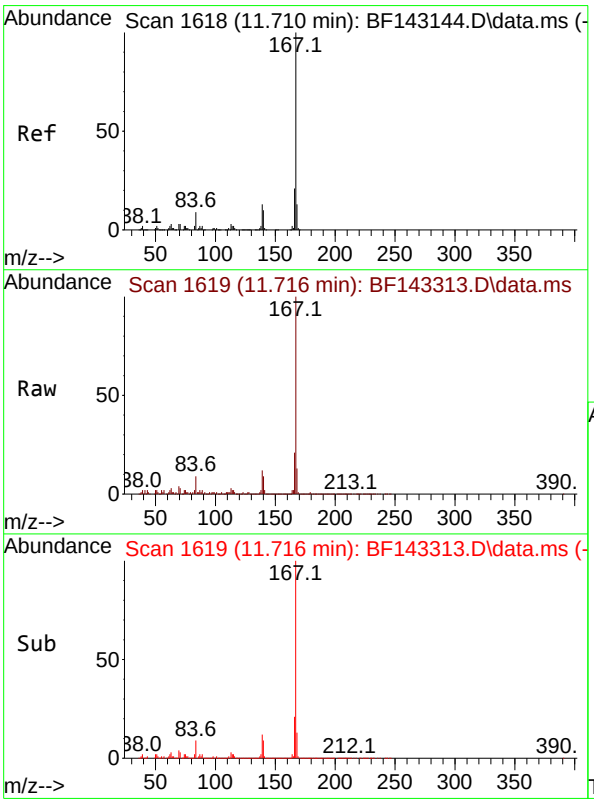
#72
Anthracene
Concen: 21.800 ng
RT: 11.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:178 Resp: 368566

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.0	22.4
179	15.3	12.5	18.7

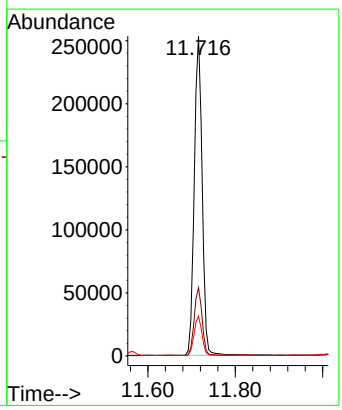


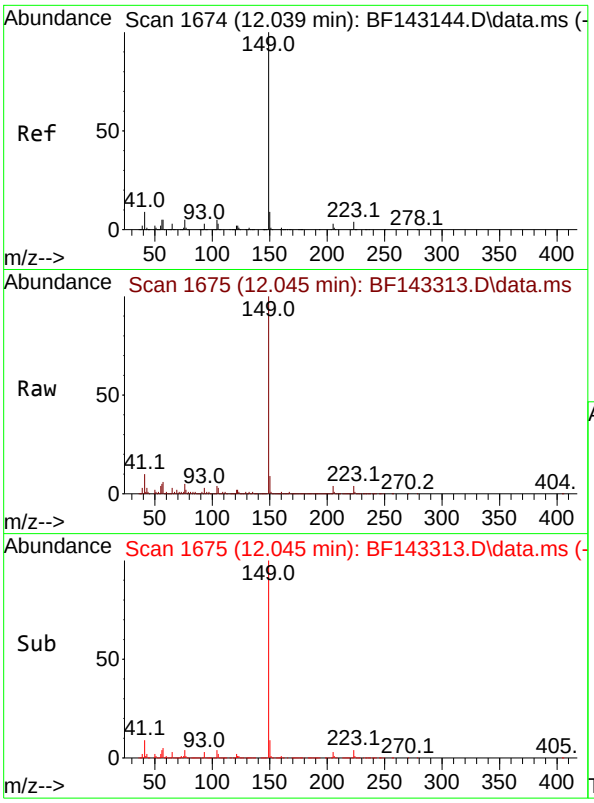


#73
Carbazole
Concen: 21.598 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:167 Resp: 318850

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	12.4	10.0	15.0



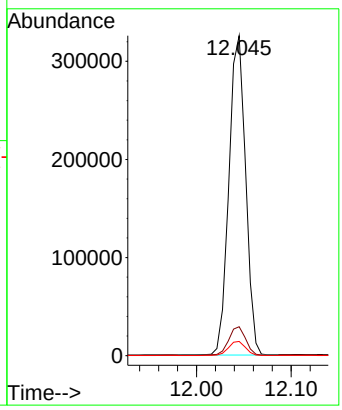


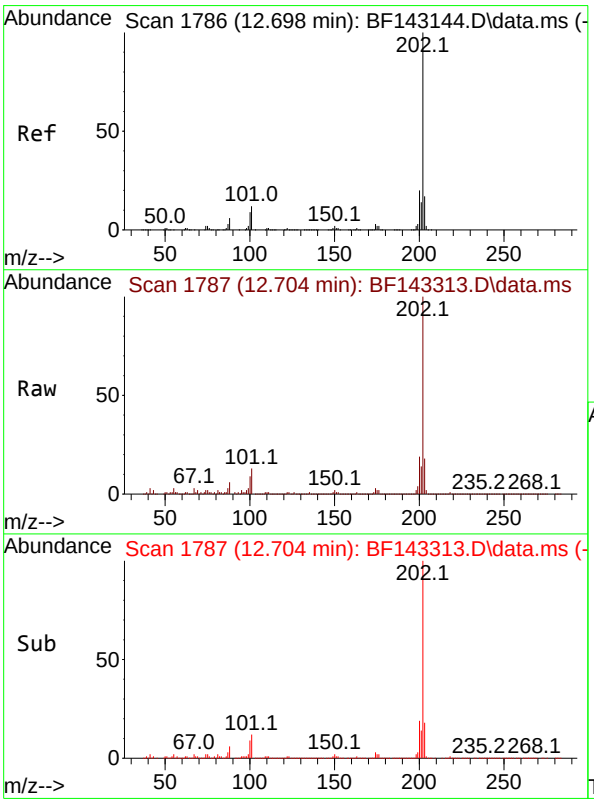
#74
Di-n-butylphthalate
Concen: 23.896 ng
RT: 12.045 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:149 Resp: 399160

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.5	3.8	5.8

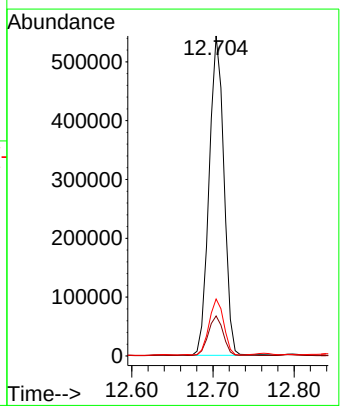


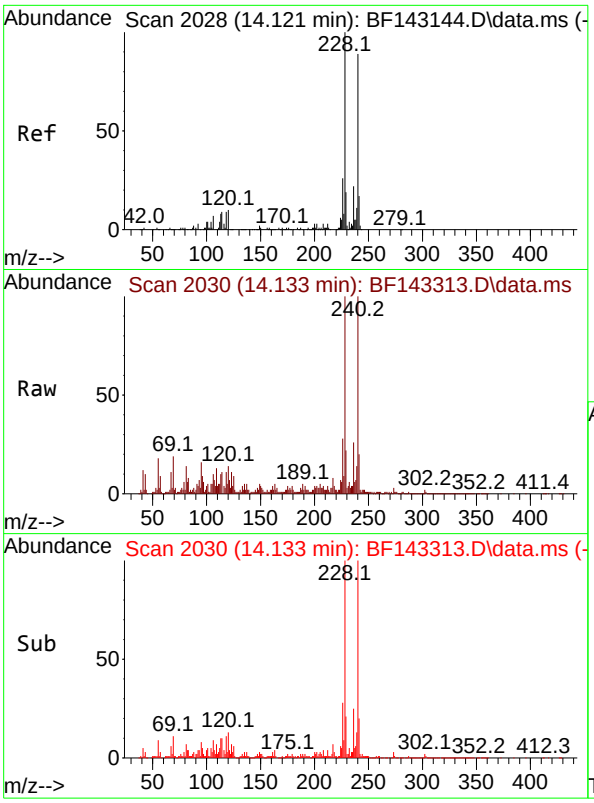


#75
Fluoranthene
Concen: 45.155 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:202 Resp: 687059

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	31.7
203	17.8	0.0	37.4



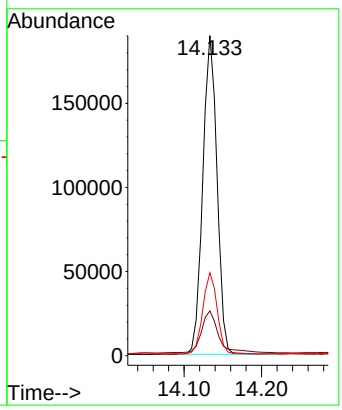


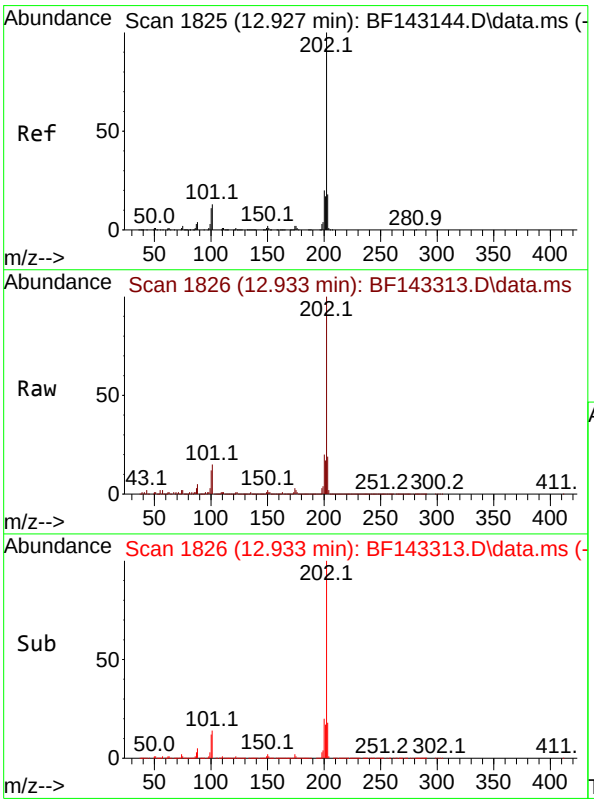
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:240 Resp: 241353

Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.4	14.2
236	25.9	20.2	30.4

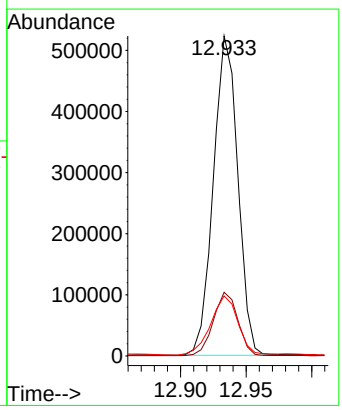


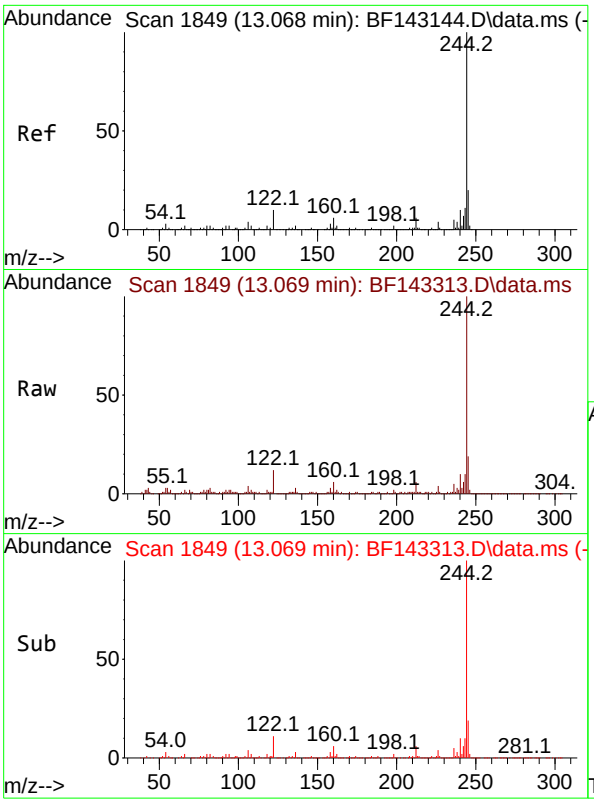


#78
Pyrene
Concen: 32.867 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:202 Resp: 677000

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	18.8	14.2	21.2



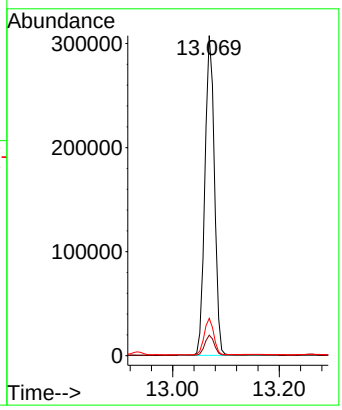


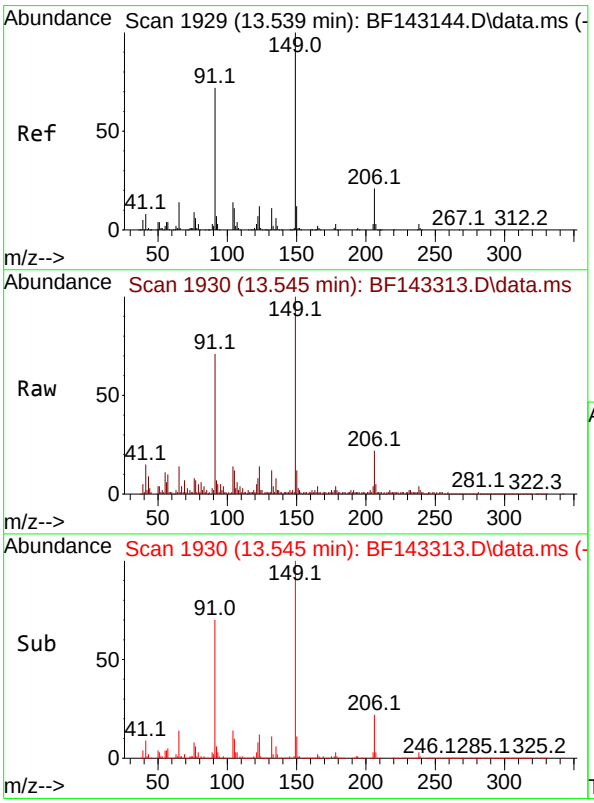
#79
Terphenyl-d14
Concen: 23.499 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:244 Resp: 381121

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.7	8.2	12.2

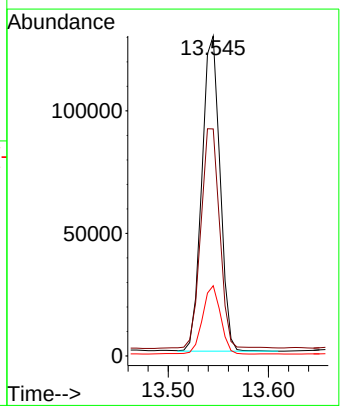


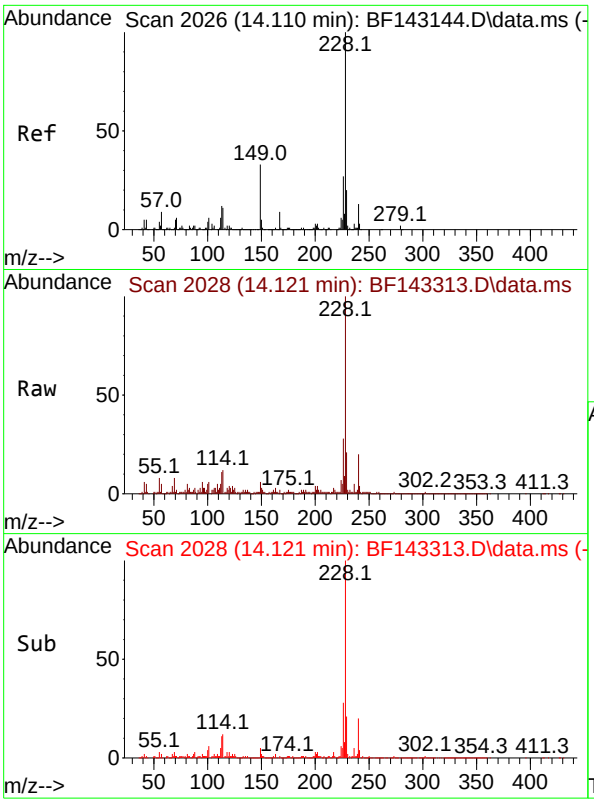


#80
Butylbenzylphthalate
Concen: 25.730 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:149 Resp: 162294

Ion	Ratio	Lower	Upper
149	100		
91	71.0	57.9	86.9
206	22.0	17.0	25.4



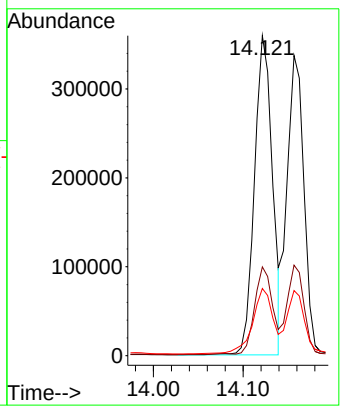


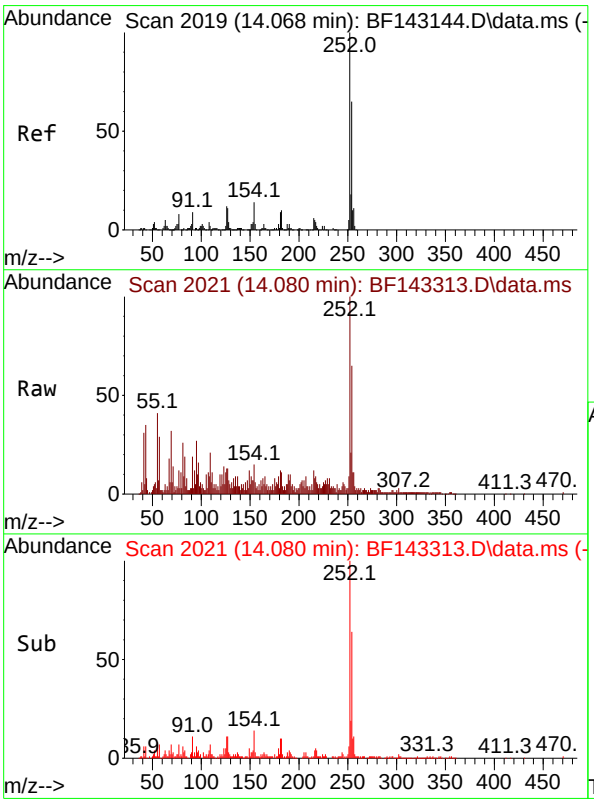
#81
Benzo(a)anthracene
Concen: 30.942 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:228 Resp: 499986

Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.7	32.5
229	21.0	15.8	23.6

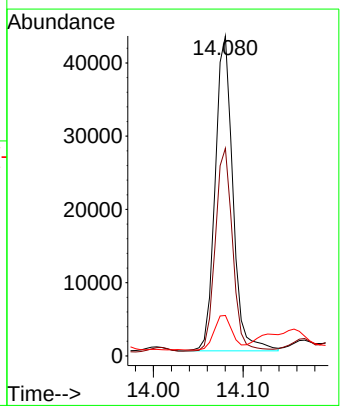


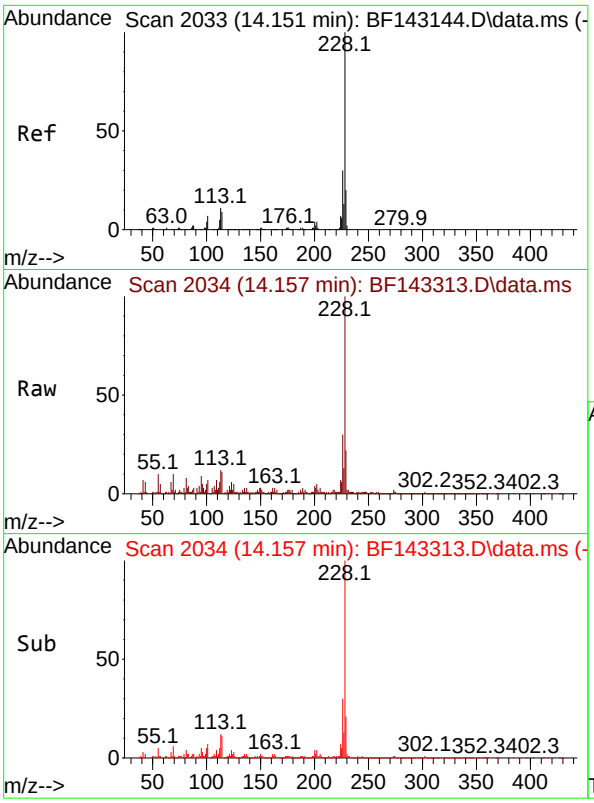


#82
3,3'-Dichlorobenzidine
Concen: 10.935 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:252 Resp: 58890

Ion	Ratio	Lower	Upper
252	100		
254	64.9	51.7	77.5
126	12.7	9.4	14.0



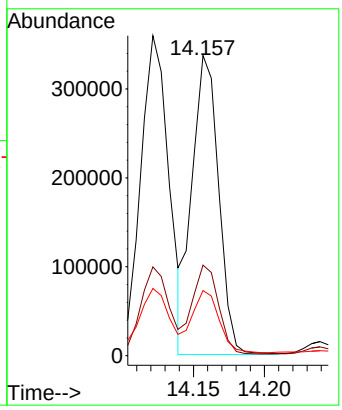


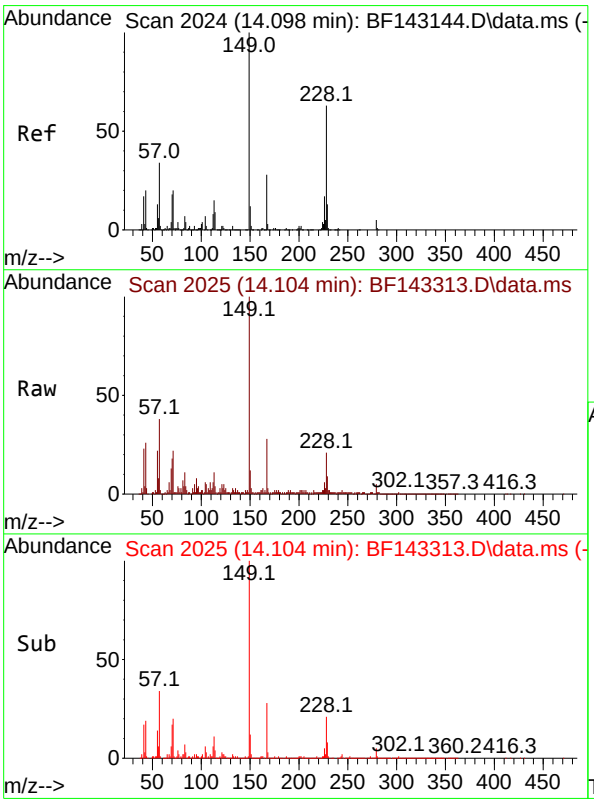
#83
Chrysene
Concen: 30.184 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:228 Resp: 438517

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	21.7	15.6	23.4

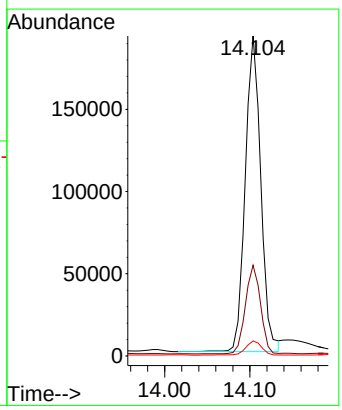


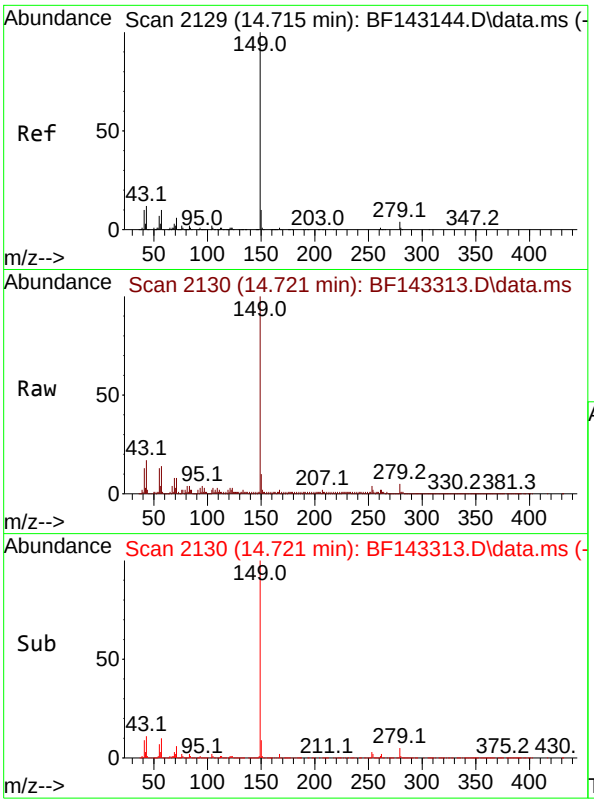


#84
Bis(2-ethylhexyl)phthalate
Concen: 25.451 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:149 Resp: 242982

Ion	Ratio	Lower	Upper
149	100		
167	28.4	22.3	33.5
279	4.7	3.6	5.4



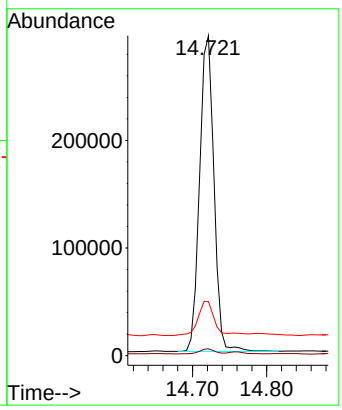


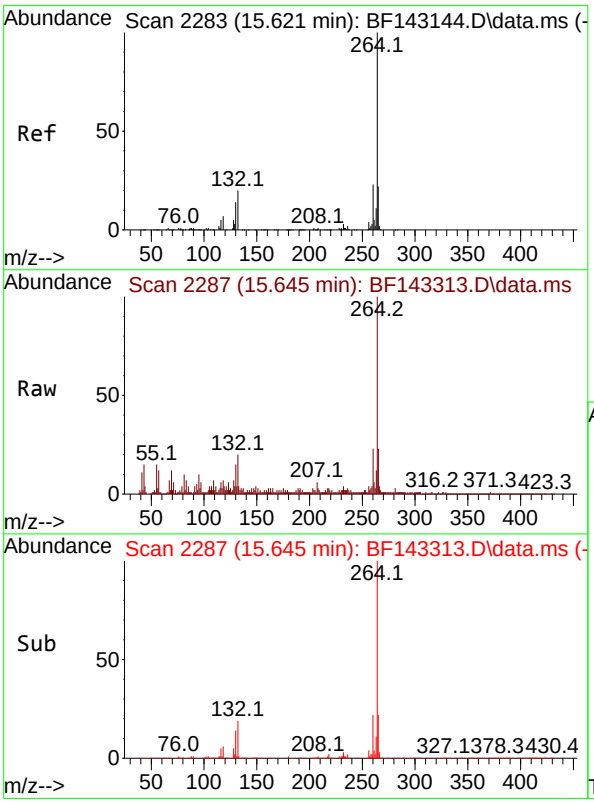
#85
Di-n-octyl phthalate
Concen: 22.740 ng
RT: 14.721 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:149 Resp: 393515

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7
43	12.0	9.7	14.5

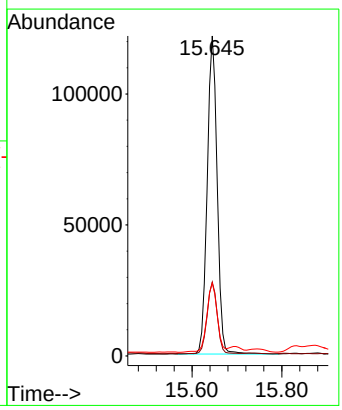


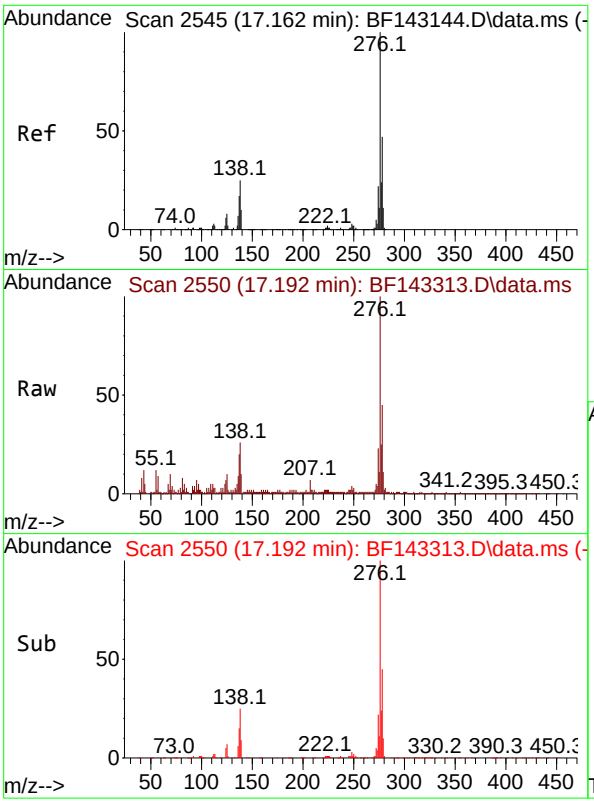


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:264 Resp: 186398

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.5	27.7
265	22.8	17.4	26.2



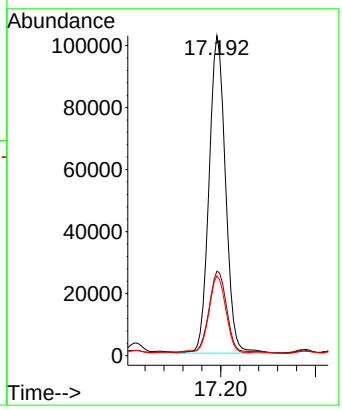


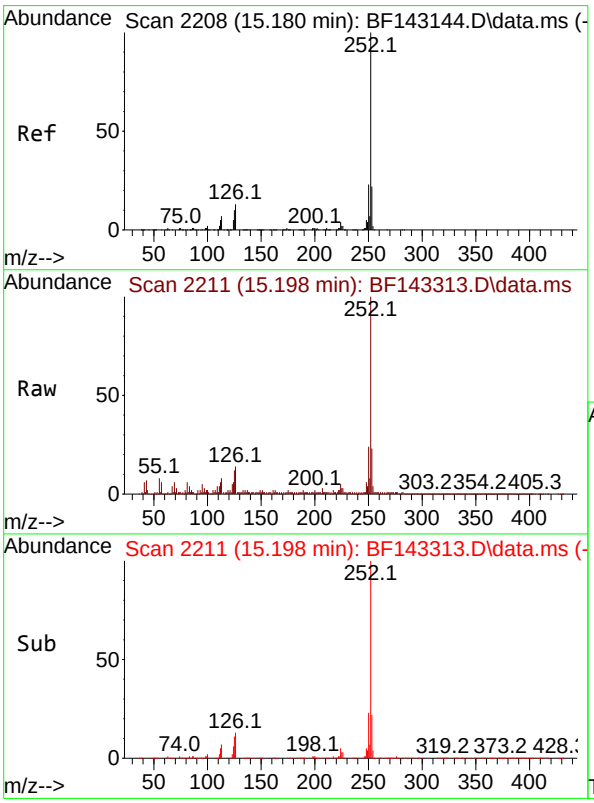
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.738 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:276 Resp: 246288

Ion	Ratio	Lower	Upper
276	100		
138	27.9	21.8	32.6
277	24.4	20.0	30.0

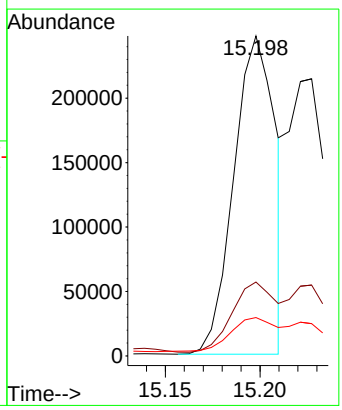


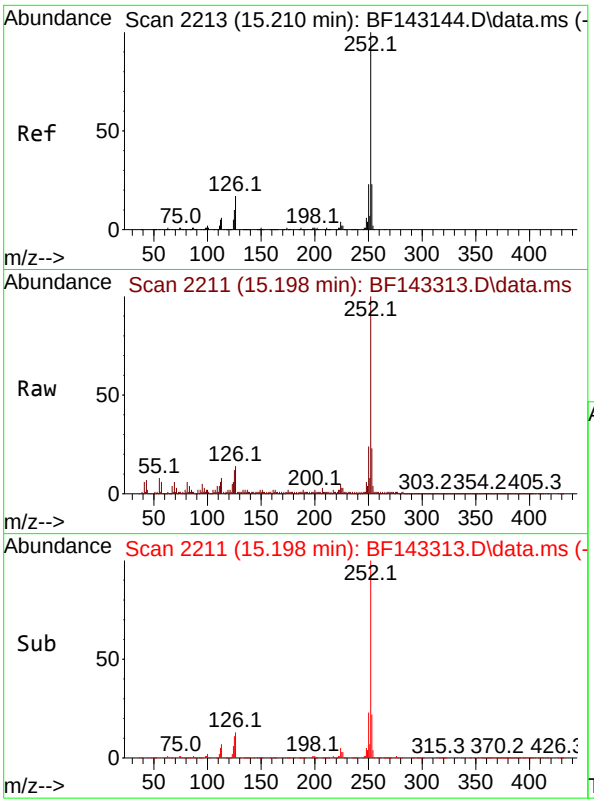


#88
Benzo(b)fluoranthene
Concen: 33.042 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:252 Resp: 376253

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.0	8.0	12.0#



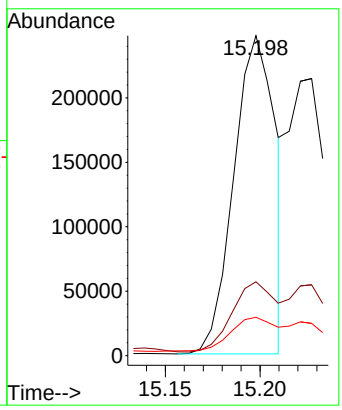


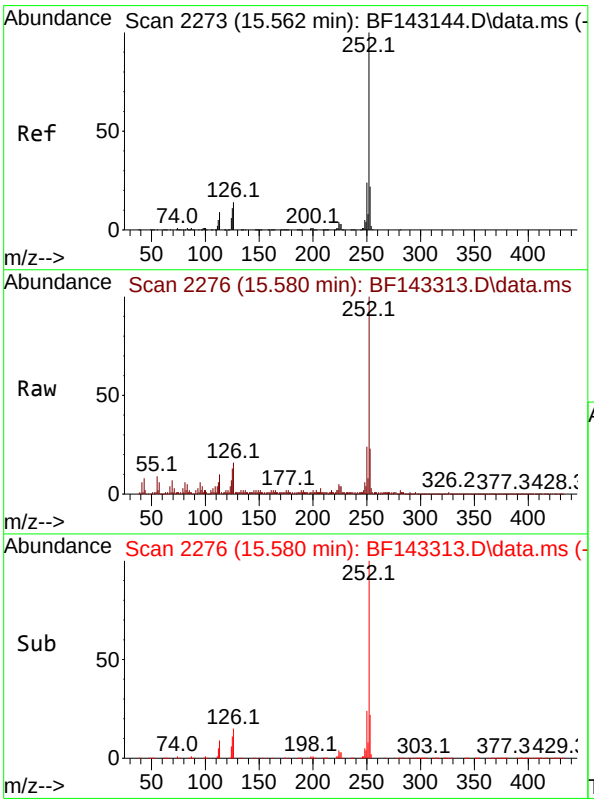
#89
Benzo(k)fluoranthene
Concen: 37.028 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:252 Resp: 376253

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.8	26.6
125	12.0	8.1	12.1

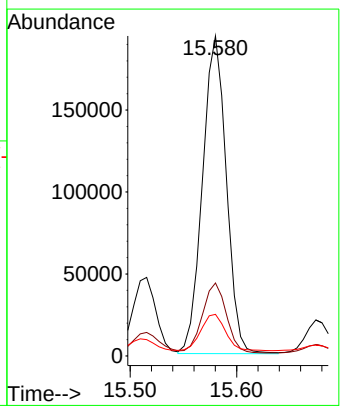


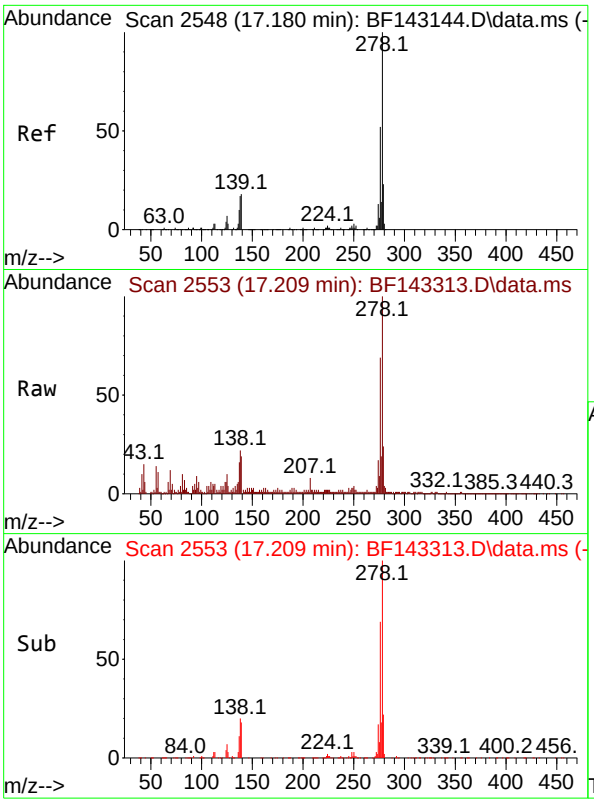


#90
Benzo(a)pyrene
Concen: 28.714 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:252 Resp: 301255

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.3	25.9
125	13.0	8.6	13.0#



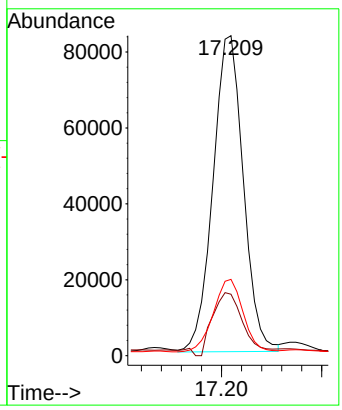


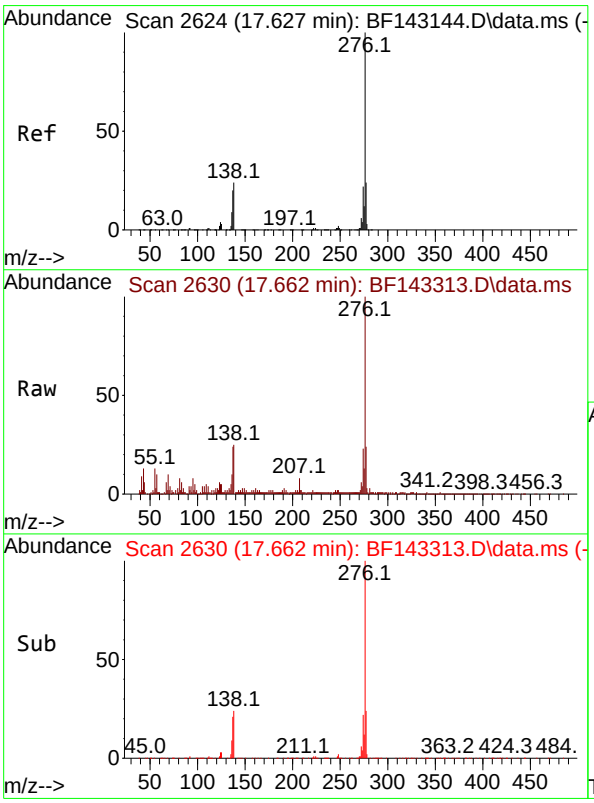
#91
Dibenzo(a,h)anthracene
Concen: 16.348 ng
RT: 17.209 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Instrument :
BNA_F
ClientSampleId :
VNJ-253MS

Tgt Ion:278 Resp: 174886

Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.1	21.1
279	23.8	18.6	28.0

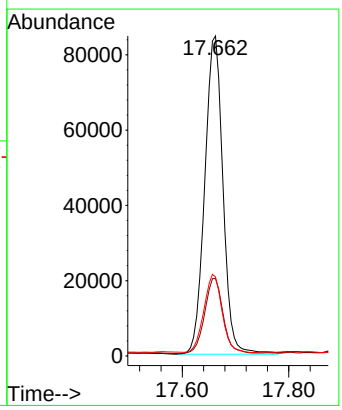




#92
Benzo(g,h,i)perylene
Concen: 19.403 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143313.D
Acq: 05 Aug 2025 13:59

Tgt Ion:276 Resp: 200796

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	24.7	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143314.D
Acq On : 05 Aug 2025 14:28
Operator : RC/JU
Sample : Q2734-01MSD 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Quant Time: Aug 05 14:49:08 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 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	119894	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	447775	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	200201	20.000	ng		0.00
64) Phenanthrene-d10	11.486	188	276419	20.000	ng		0.00
76) Chrysene-d12	14.133	240	209954	20.000	ng		0.01
86) Perylene-d12	15.645	264	154652	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.598	112	330350	43.602	ng		0.01
7) Phenol-d6	6.592	99	428488	44.932	ng		0.00
23) Nitrobenzene-d5	7.516	82	272013	30.281	ng		0.00
42) 2,4,6-Tribromophenol	10.786	330	78547	37.979	ng		0.00
45) 2-Fluorobiphenyl	9.316	172	471839	32.232	ng		0.00
79) Terphenyl-d14	13.069	244	357534	25.341	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.822	88	64879	18.097	ng		99
3) Pyridine	3.604	79	162633	17.478	ng		100
4) n-Nitrosodimethylamine	3.528	42	98107	20.421	ng		98
6) Aniline	6.622	93	84743	6.376	ng	#	80
8) 2-Chlorophenol	6.751	128	166476	20.962	ng		98
9) Benzaldehyde	6.510	77	104462	14.608	ng		98
10) Phenol	6.604	94	221950	21.364	ng		99
11) bis(2-Chloroethyl)ether	6.692	93	177329	22.293	ng		98
12) 1,3-Dichlorobenzene	6.904	146	176226	20.427	ng		99
13) 1,4-Dichlorobenzene	6.981	146	177803	20.465	ng		99
14) 1,2-Dichlorobenzene	7.134	146	171514	20.756	ng		98
15) Benzyl Alcohol	7.098	79	151728	20.838	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	309661	20.986	ng		97
17) 2-Methylphenol	7.216	107	138495	20.741	ng		99
18) Hexachloroethane	7.481	117	49572	16.482	ng		99
19) n-Nitroso-di-n-propyla...	7.363	70	124598	20.365	ng		96
20) 3+4-Methylphenols	7.363	107	173188	21.377	ng	#	70
22) Acetophenone	7.363	105	233314	22.008	ng	#	95
24) Nitrobenzene	7.539	77	181471	21.668	ng		100
25) Isophorone	7.781	82	337361	21.274	ng		99
26) 2-Nitrophenol	7.857	139	85862	23.623	ng		98
27) 2,4-Dimethylphenol	7.892	122	147023	19.844	ng		99
28) bis(2-Chloroethoxy)met...	7.987	93	207274	21.800	ng		99
29) 2,4-Dichlorophenol	8.104	162	127227	20.362	ng		99
30) 1,2,4-Trichlorobenzene	8.187	180	137977	20.440	ng		100
31) Naphthalene	8.269	128	462850	20.989	ng		100
32) Benzoic acid	7.981	122	75233	21.260	ng		98
33) 4-Chloroaniline	8.310	127	58350	6.480	ng		99
34) Hexachlorobutadiene	8.386	225	83154	20.166	ng		99
35) Caprolactam	8.657	113	40704	21.558	ng		91
36) 4-Chloro-3-methylphenol	8.792	107	129818	19.116	ng		96
37) 2-Methylnaphthalene	8.957	142	275169	20.506	ng		100
38) 1-Methylnaphthalene	9.057	142	281572	20.377	ng		100
40) 1,2,4,5-Tetrachloroben...	9.128	216	132955	23.003	ng		98
43) 2,4,6-Trichlorophenol	9.233	196	82178	20.543	ng		99
44) 2,4,5-Trichlorophenol	9.281	196	79149	19.780	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143314.D
Acq On : 05 Aug 2025 14:28
Operator : RC/JU
Sample : Q2734-01MSD 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Quant Time: Aug 05 14:49:08 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 15:14:05 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.422	154	363752	23.288	ng		99
47) 2-Chloronaphthalene	9.445	162	251508	21.762	ng		99
48) 2-Nitroaniline	9.533	65	84294	23.258	ng		98
49) Acenaphthylene	9.863	152	411753	21.259	ng		100
50) Dimethylphthalate	9.710	163	311940	23.904	ng		100
51) 2,6-Dinitrotoluene	9.775	165	61876	23.308	ng		98
52) Acenaphthene	10.033	154	240916	21.045	ng		97
53) 3-Nitroaniline	9.939	138	47642	15.343	ng		98
54) 2,4-Dinitrophenol	10.051	184	7916	12.695	ng		88
55) Dibenzofuran	10.204	168	351909	20.705	ng		99
56) 4-Nitrophenol	10.104	139	78452	33.834	ng		98
57) 2,4-Dinitrotoluene	10.175	165	72252	21.694	ng		99
58) Fluorene	10.551	166	260939	20.456	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	60657	18.300	ng		97
60) Diethylphthalate	10.410	149	288769	22.388	ng		100
61) 4-Chlorophenyl-phenyle...	10.539	204	131501	20.703	ng		98
62) 4-Nitroaniline	10.551	138	48330	18.161	ng		98
63) Azobenzene	10.698	77	276717	20.585	ng		97
65) 4,6-Dinitro-2-methylph...	10.586	198	7479	9.992	ng		81
66) n-Nitrosodiphenylamine	10.651	169	224032	23.016	ng		98
67) 4-Bromophenyl-phenylether	11.027	248	72398	21.978	ng		99
68) Hexachlorobenzene	11.104	284	66007	19.171	ng		99
69) Atrazine	11.175	200	64155	23.908	ng		100
70) Pentachlorophenol	11.292	266	69356	34.253	ng		99
71) Phenanthrene	11.516	178	425693	29.004	ng		99
72) Anthracene	11.563	178	351413	23.476	ng		99
73) Carbazole	11.716	167	305670	23.386	ng		99
74) Di-n-butylphthalate	12.045	149	368926	24.945	ng		100
75) Fluoranthene	12.704	202	660664	49.041	ng		99
78) Pyrene	12.933	202	644926	35.992	ng		99
80) Butylbenzylphthalate	13.545	149	149527	27.252	ng		99
81) Benzo(a)anthracene	14.121	228	454225	32.314	ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	57677	12.311	ng		99
83) Chrysene	14.157	228	407381	32.234	ng		99
84) Bis(2-ethylhexyl)phtha...	14.104	149	219811	26.468	ng		99
85) Di-n-octyl phthalate	14.721	149	342644	22.761	ng	#	99
87) Indeno(1,2,3-cd)pyrene	17.192	276	228945	20.994	ng		99
88) Benzo(b)fluoranthene	15.198	252	324920	34.391	ng	#	96
89) Benzo(k)fluoranthene	15.198	252	324920	38.540	ng	#	96
90) Benzo(a)pyrene	15.580	252	267795	30.764	ng		97
91) Dibenzo(a,h)anthracene	17.209	278	157308	17.723	ng		97
92) Benzo(g,h,i)perylene	17.662	276	183201	21.337	ng		98

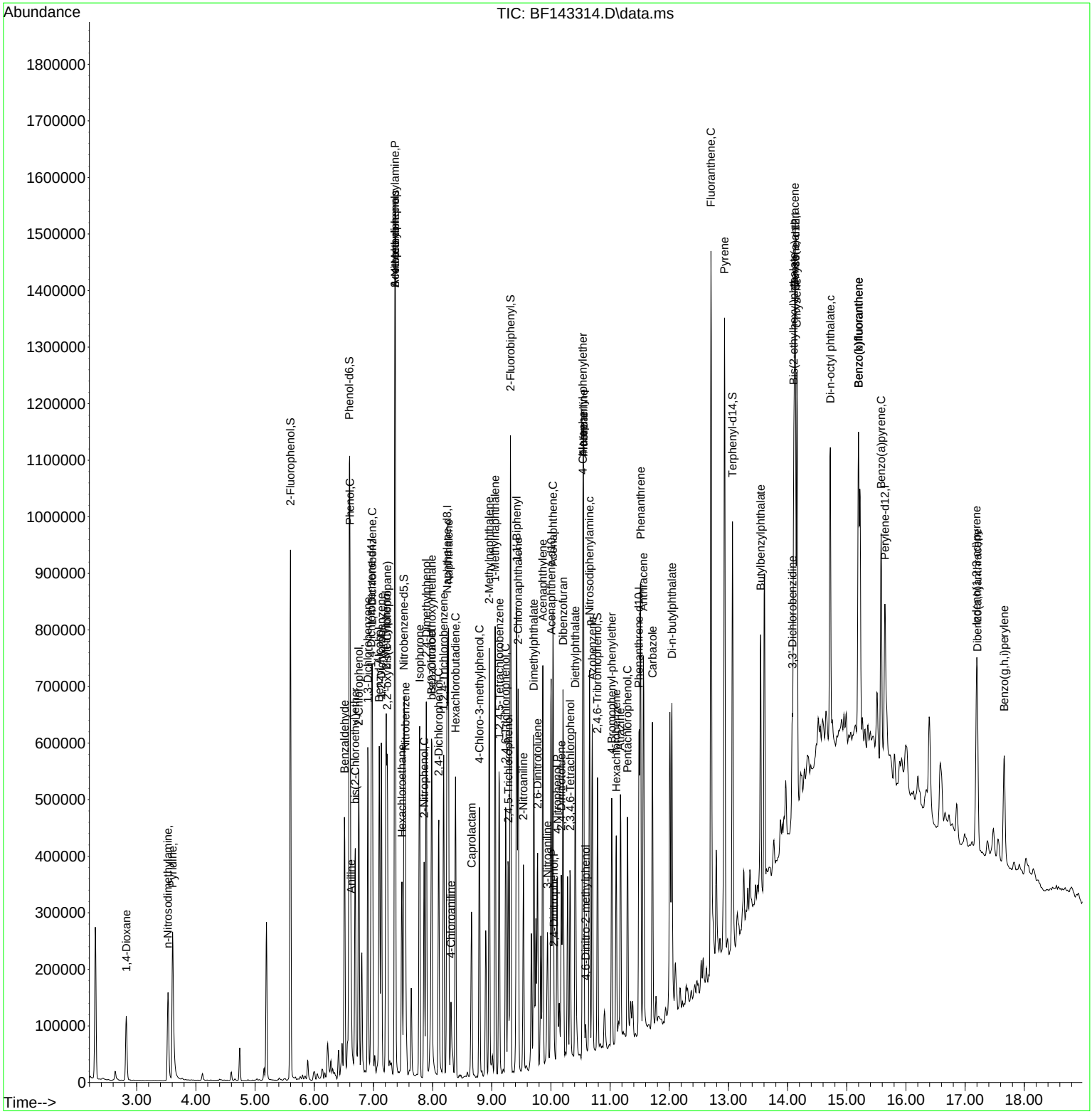
(#) = qualifier out of range (m) = manual integration (+) = signals summed

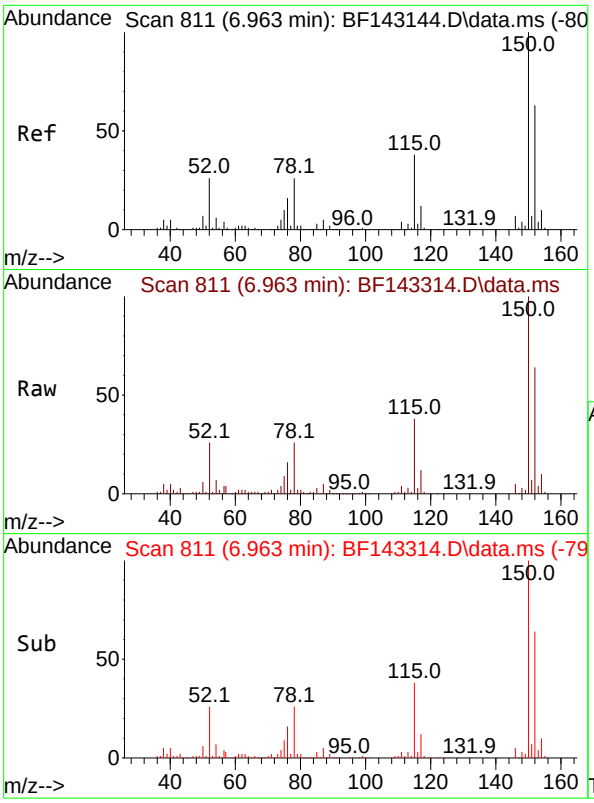
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143314.D
Acq On : 05 Aug 2025 14:28
Operator : RC/JU
Sample : Q2734-01MSD 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Quant Time: Aug 05 14:49:08 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 15:14:05 2025
Response via : Initial Calibration



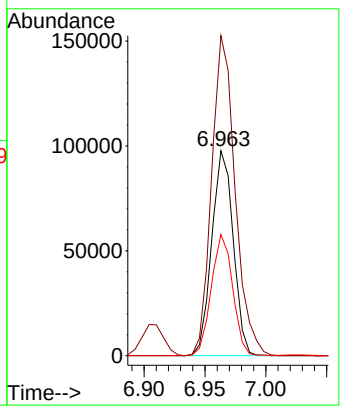


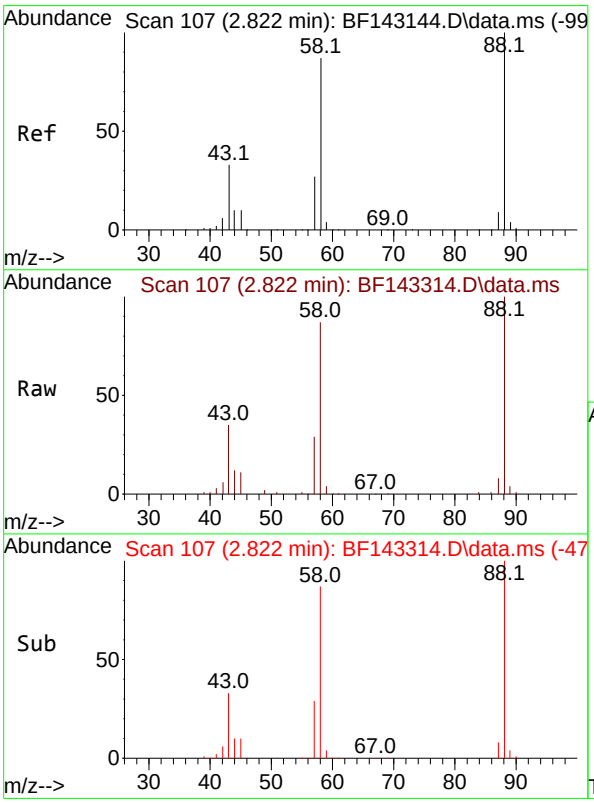
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:152 Resp: 119894

Ion	Ratio	Lower	Upper
152	100		
150	156.3	128.2	192.4
115	59.2	47.9	71.9

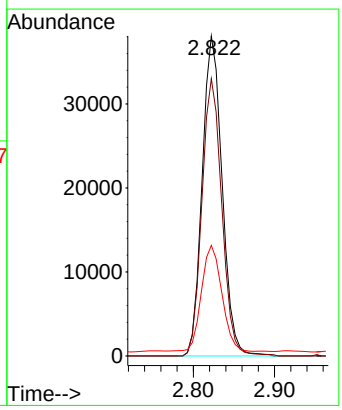


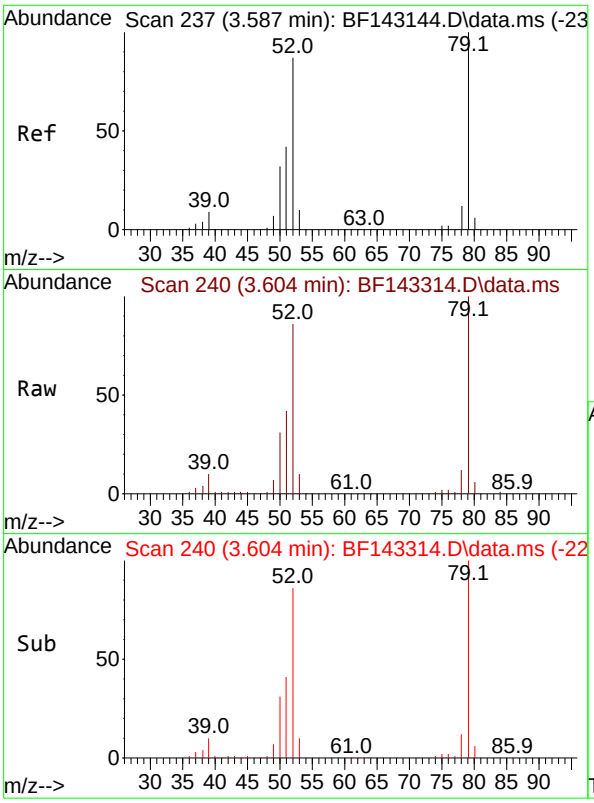


#2
1,4-Dioxane
Concen: 18.097 ng
RT: 2.822 min Scan# 107
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 88 Resp: 64879

Ion	Ratio	Lower	Upper
88	100		
58	86.5	70.2	105.2
43	34.0	27.1	40.7



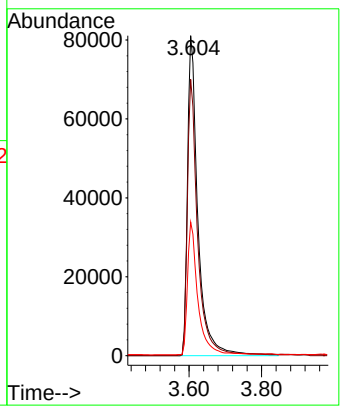


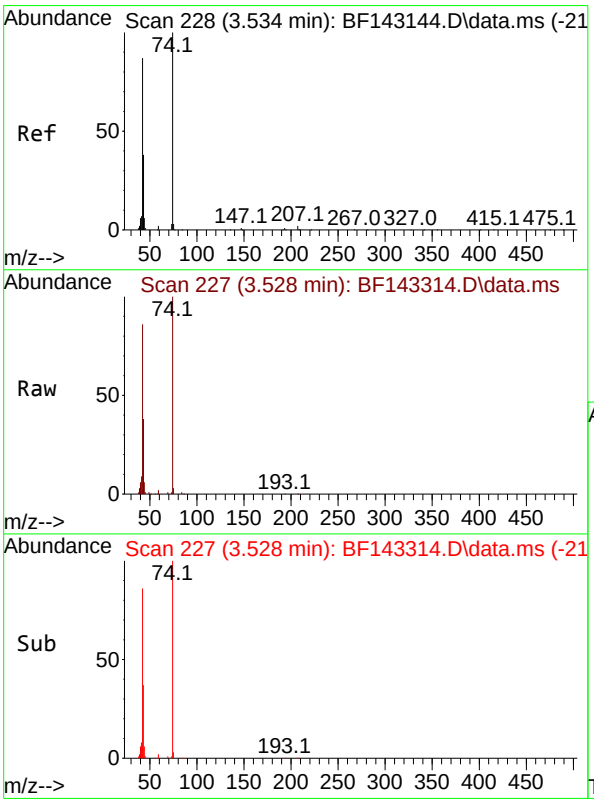
#3
Pyridine
Concen: 17.478 ng
RT: 3.604 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 79 Resp: 162633

Ion	Ratio	Lower	Upper
79	100		
52	86.4	69.4	104.2
51	41.8	33.5	50.3

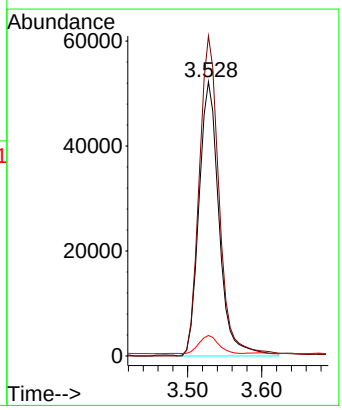


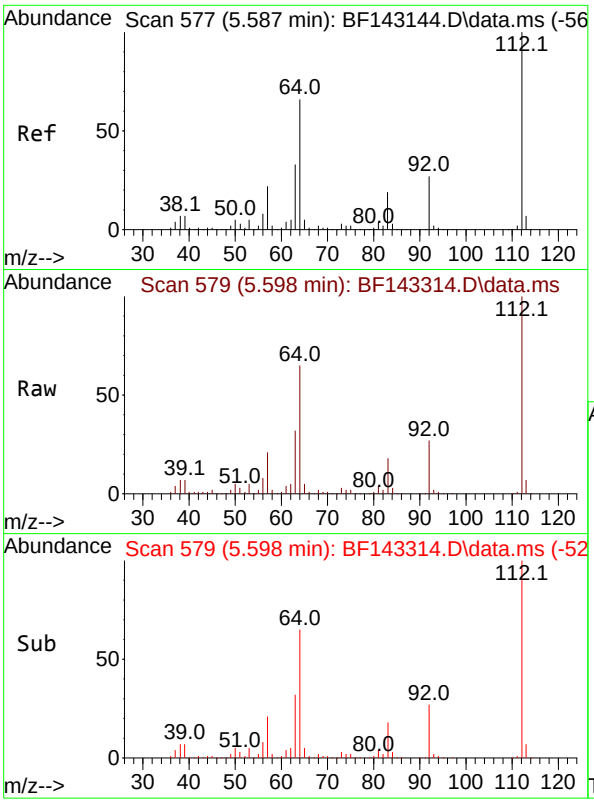


#4
n-Nitrosodimethylamine
Concen: 20.421 ng
RT: 3.528 min Scan# 227
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 42 Resp: 98107

Ion	Ratio	Lower	Upper
42	100		
74	116.7	91.7	137.5
44	7.5	5.6	8.4



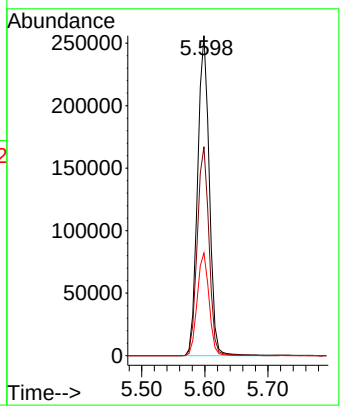


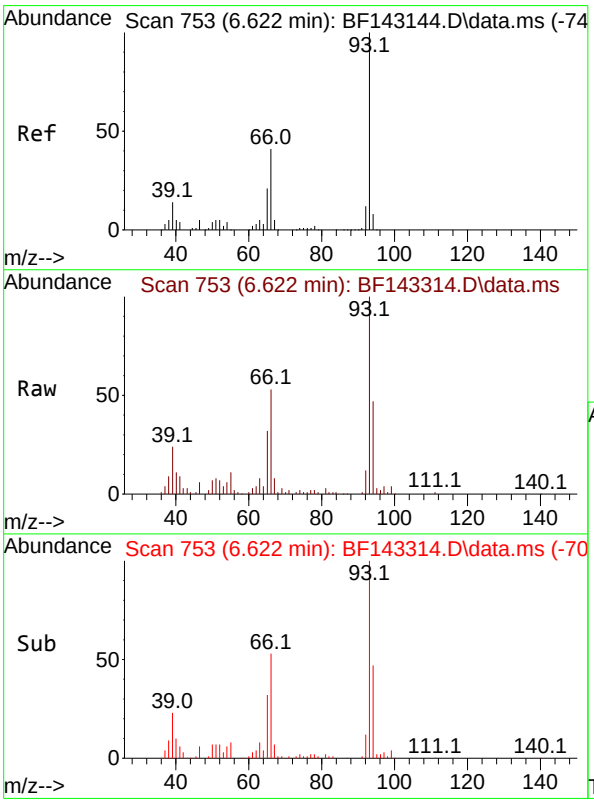
#5
2-Fluorophenol
Concen: 43.602 ng
RT: 5.598 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:112 Resp: 330350

Ion	Ratio	Lower	Upper
112	100		
64	65.3	53.1	79.7
63	32.1	26.6	40.0

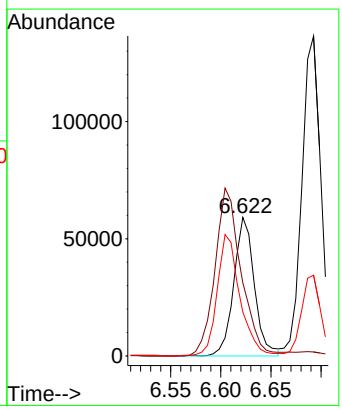


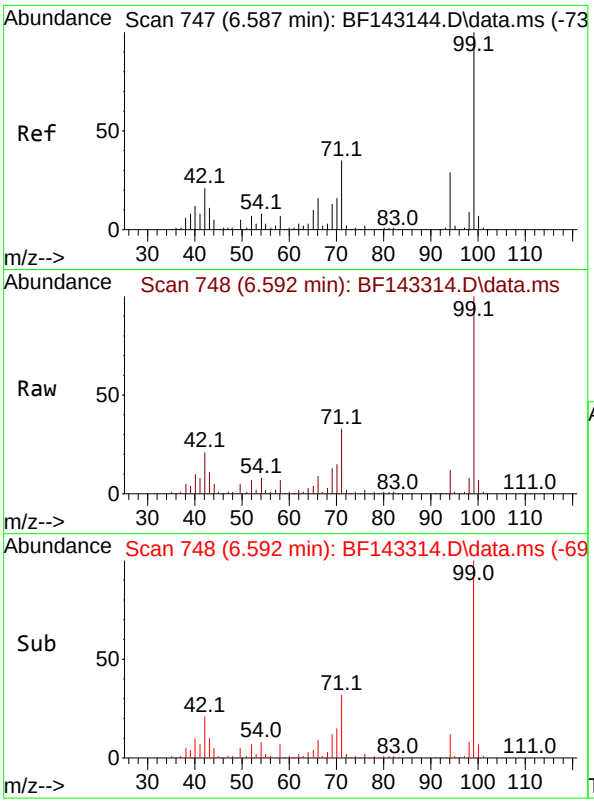


#6
Aniline
Concen: 6.376 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 93 Resp: 84743

Ion	Ratio	Lower	Upper
93	100		
66	52.8	33.2	49.8#
65	31.7	16.9	25.3#



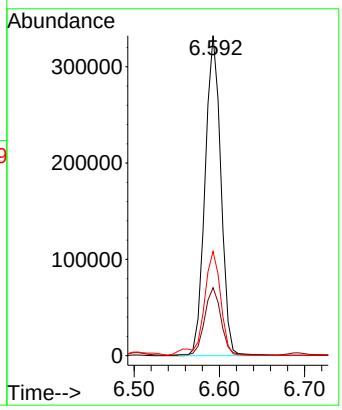


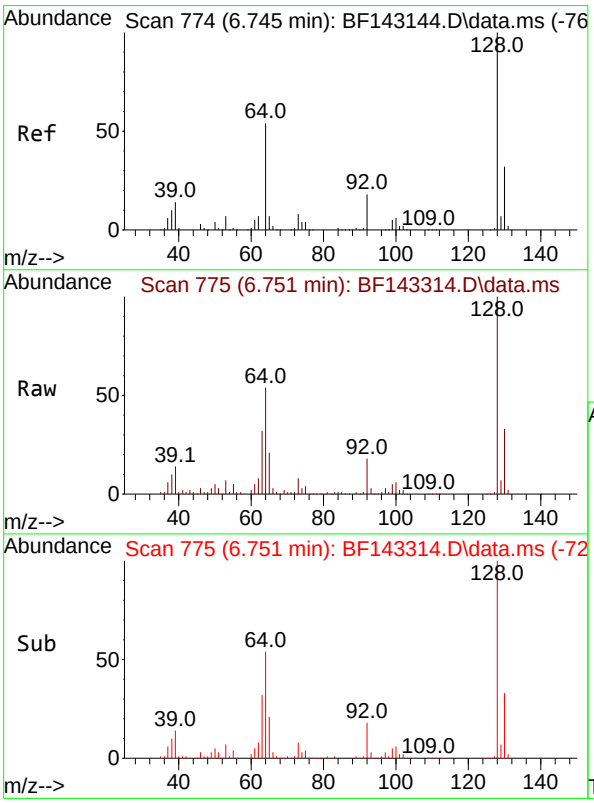
#7
Phenol-d6
Concen: 44.932 ng
RT: 6.592 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 99 Resp: 428488

Ion	Ratio	Lower	Upper
99	100		
42	21.3	17.0	25.6
71	32.6	27.7	41.5

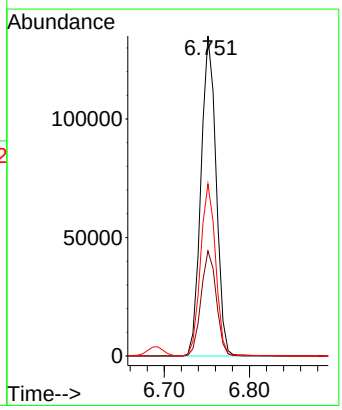


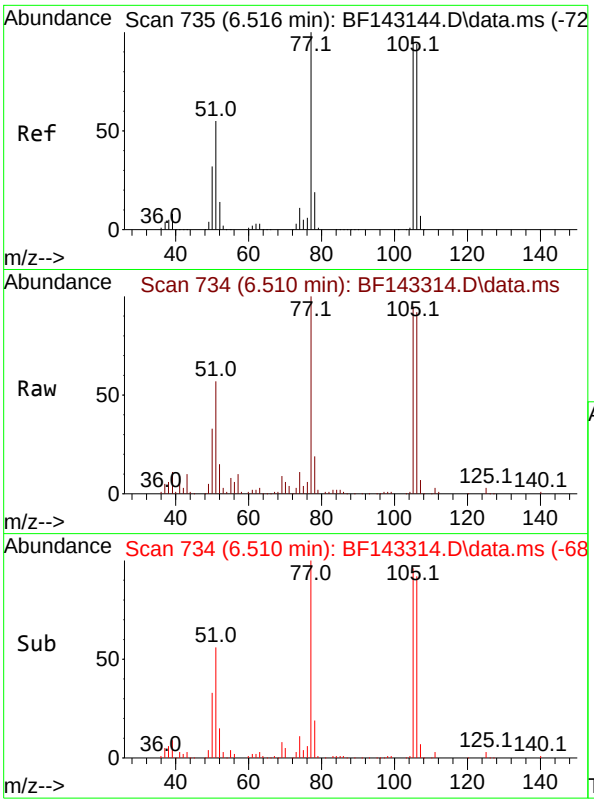


#8
2-Chlorophenol
Concen: 20.962 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:128 Resp: 166476

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.3	52.3
64	53.8	35.9	75.9



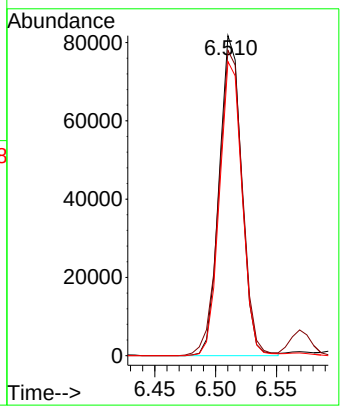


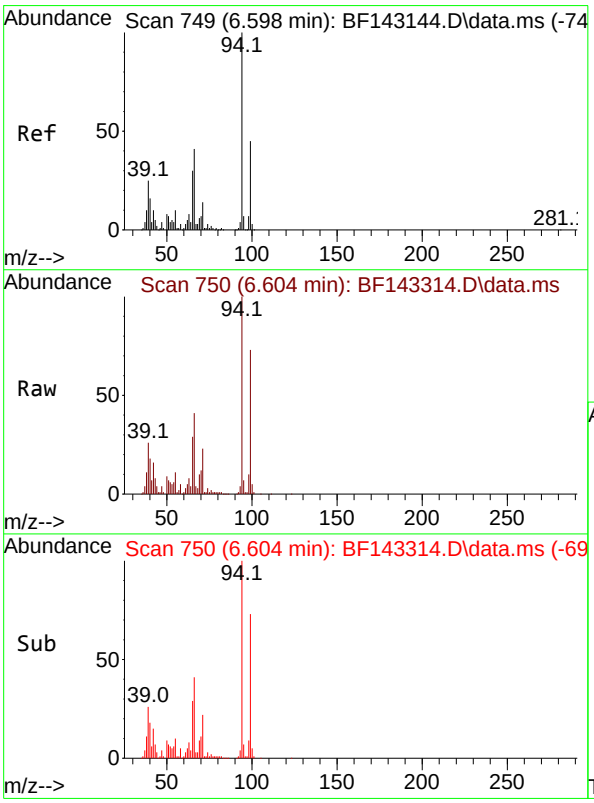
#9
Benzaldehyde
Concen: 14.608 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 77 Resp: 104462

Ion	Ratio	Lower	Upper
77	100		
105	95.4	76.8	116.8
106	91.9	74.4	114.4

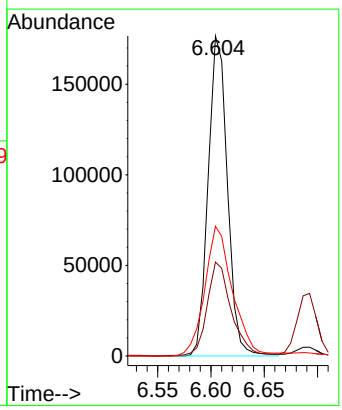


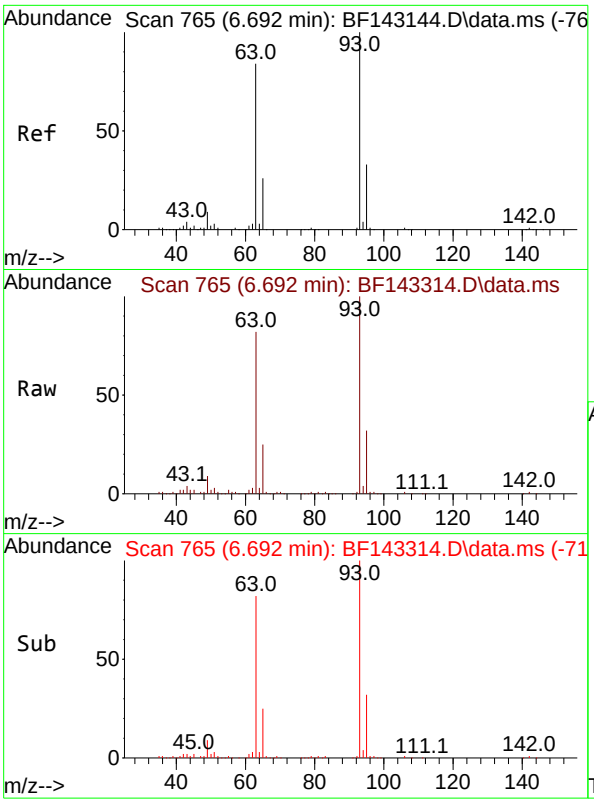


#10
Phenol
Concen: 21.364 ng
RT: 6.604 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 94 Resp: 221950

Ion	Ratio	Lower	Upper
94	100		
65	29.3	10.0	50.0
66	40.5	20.8	60.8



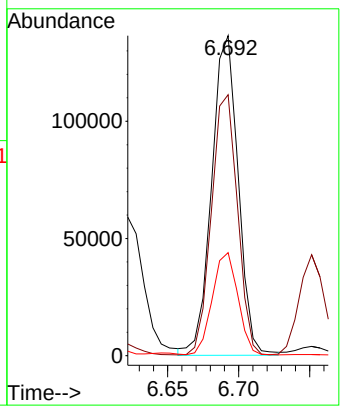


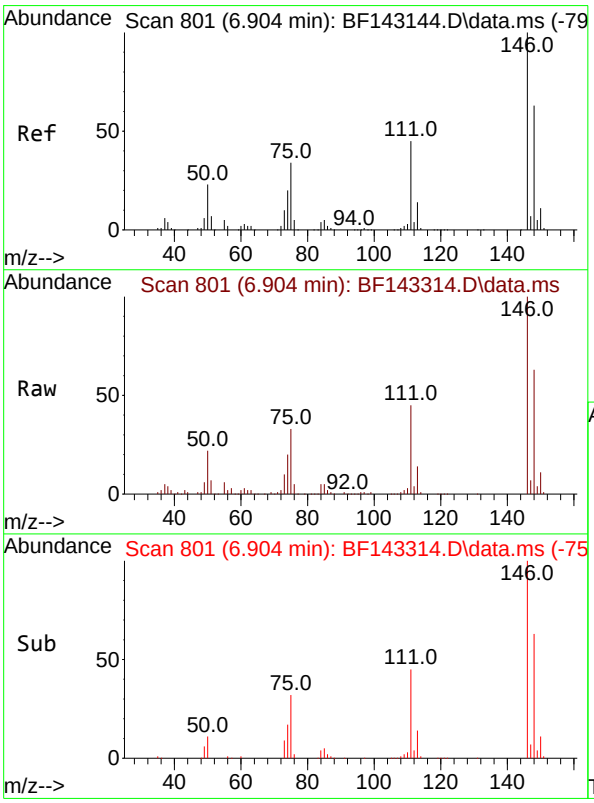
#11
bis(2-Chloroethyl)ether
Concen: 22.293 ng
RT: 6.692 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 93 Resp: 177329

Ion	Ratio	Lower	Upper
93	100		
63	81.6	63.4	103.4
95	32.2	12.4	52.4

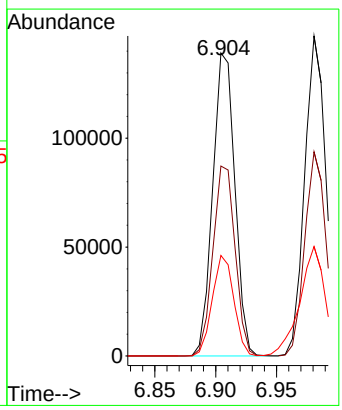


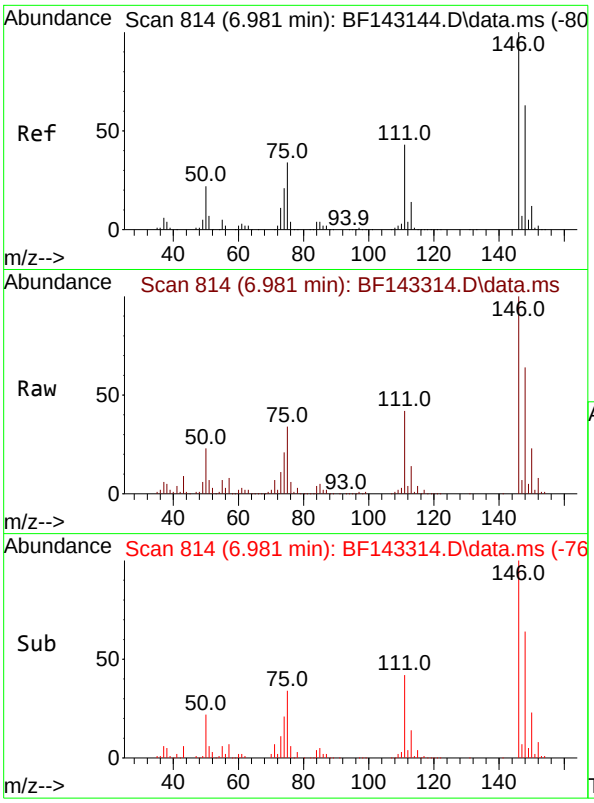


#12
1,3-Dichlorobenzene
Concen: 20.427 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:146 Resp: 176226

Ion	Ratio	Lower	Upper
146	100		
148	62.7	50.6	76.0
75	33.1	27.4	41.2



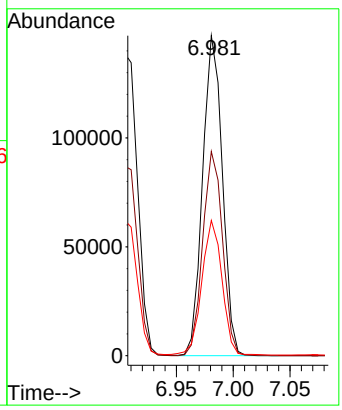


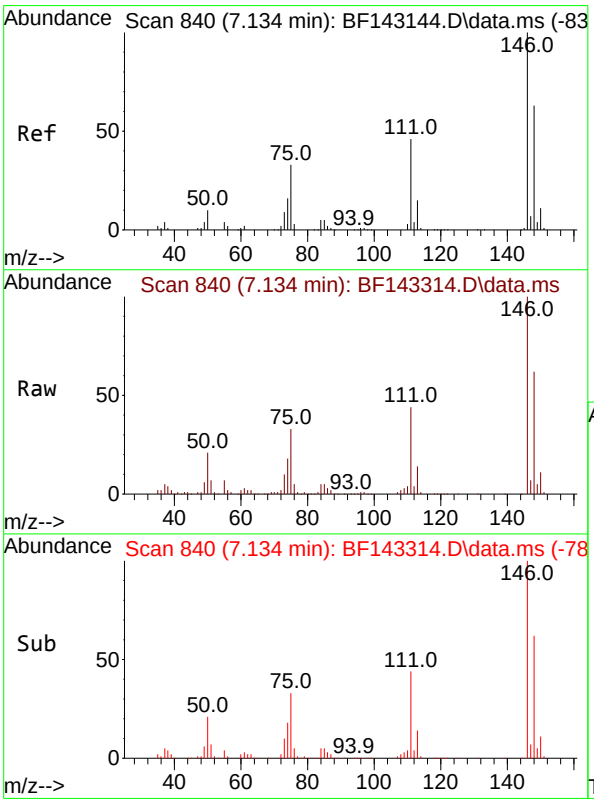
#13
1,4-Dichlorobenzene
Concen: 20.465 ng
RT: 6.981 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:146 Resp: 177803

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.3	75.5
111	42.3	34.4	51.6

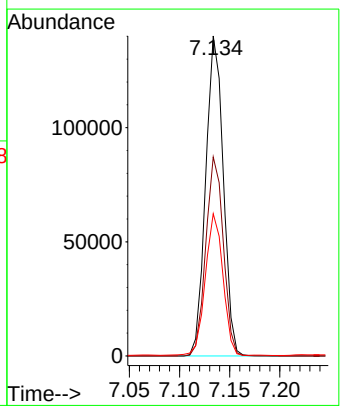


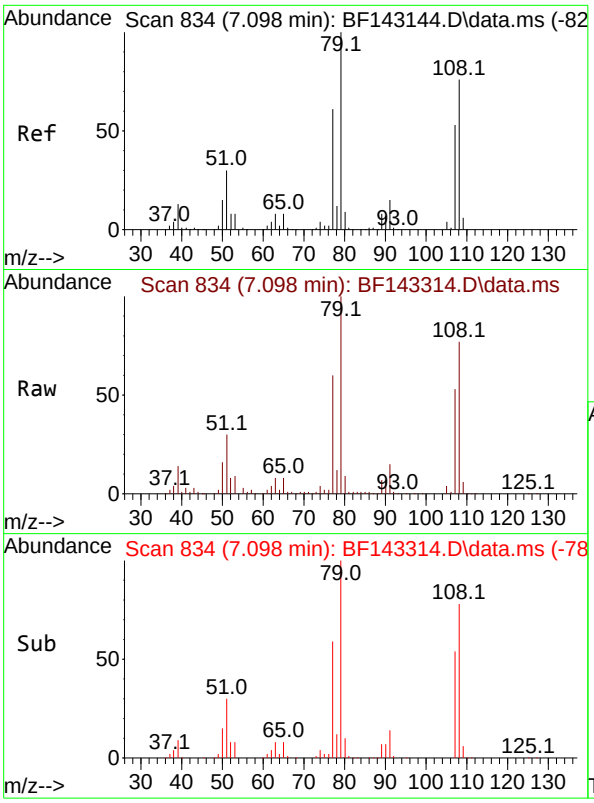


#14
1,2-Dichlorobenzene
Concen: 20.756 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:146 Resp: 171514

Ion	Ratio	Lower	Upper
146	100		
148	62.2	50.7	76.1
111	44.5	36.6	54.8



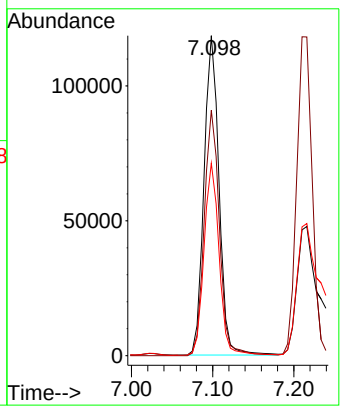


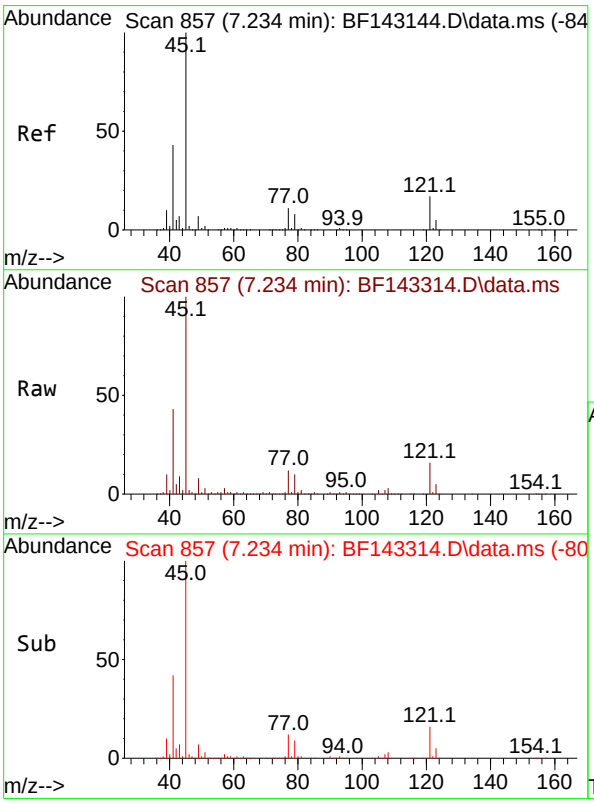
#15
Benzyl Alcohol
Concen: 20.838 ng
RT: 7.098 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 79 Resp: 151728

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.1	91.7
77	60.2	48.9	73.3

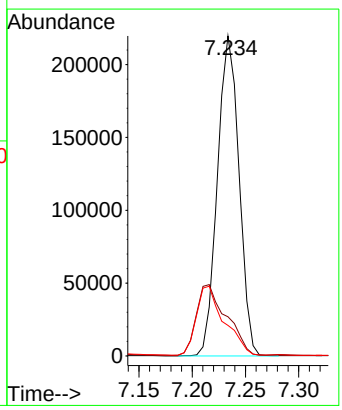


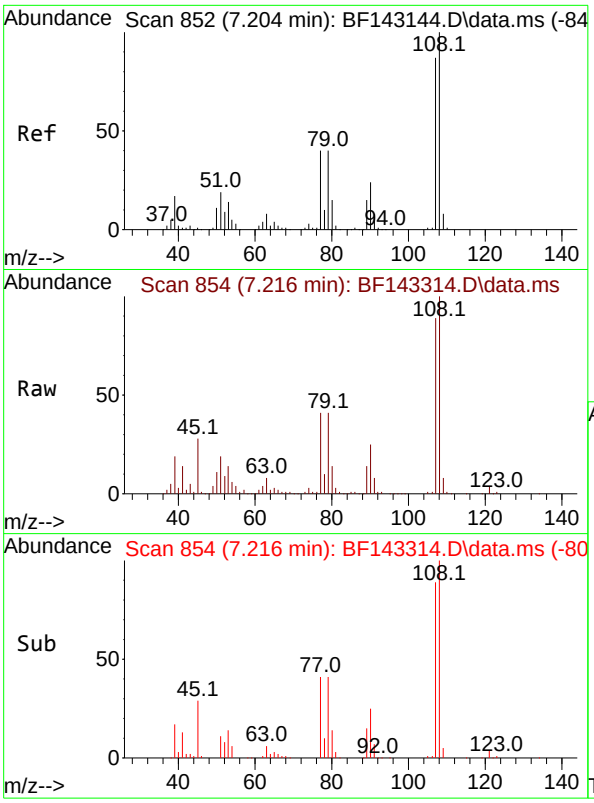


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.986 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 45 Resp: 309661

Ion	Ratio	Lower	Upper
45	100		
77	12.3	0.0	31.2
79	9.6	0.0	28.5



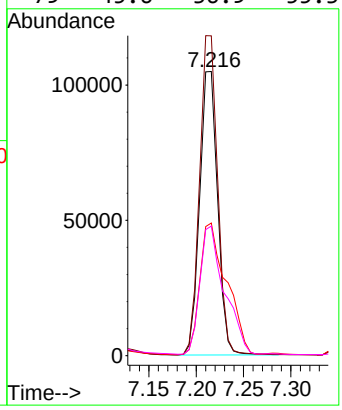


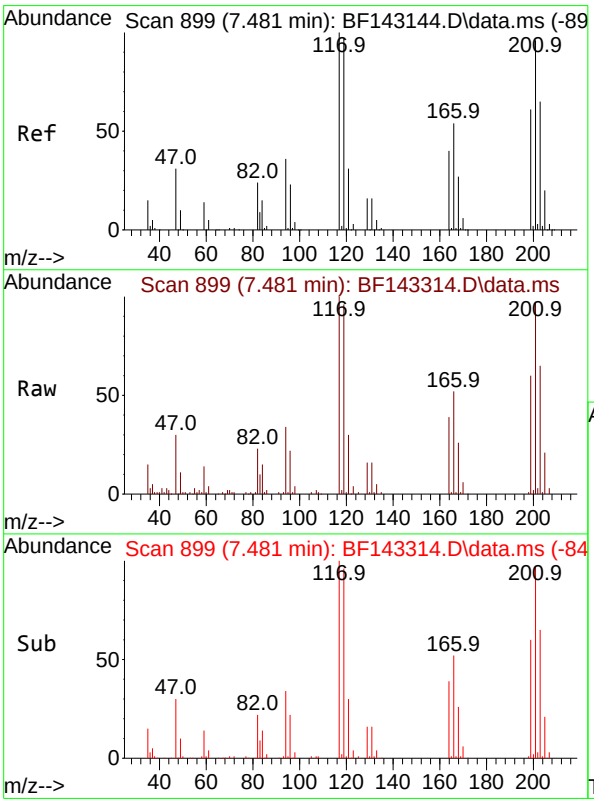
#17
2-Methylphenol
Concen: 20.741 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:107 Resp: 138495

Ion	Ratio	Lower	Upper
107	100		
108	112.6	91.8	137.6
77	46.7	37.0	55.6
79	45.6	36.9	55.3

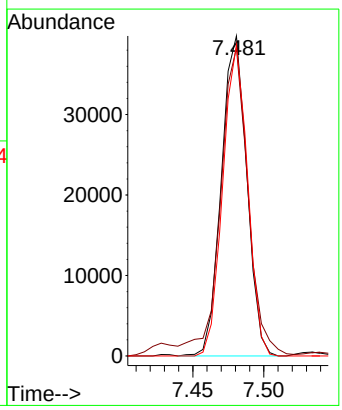


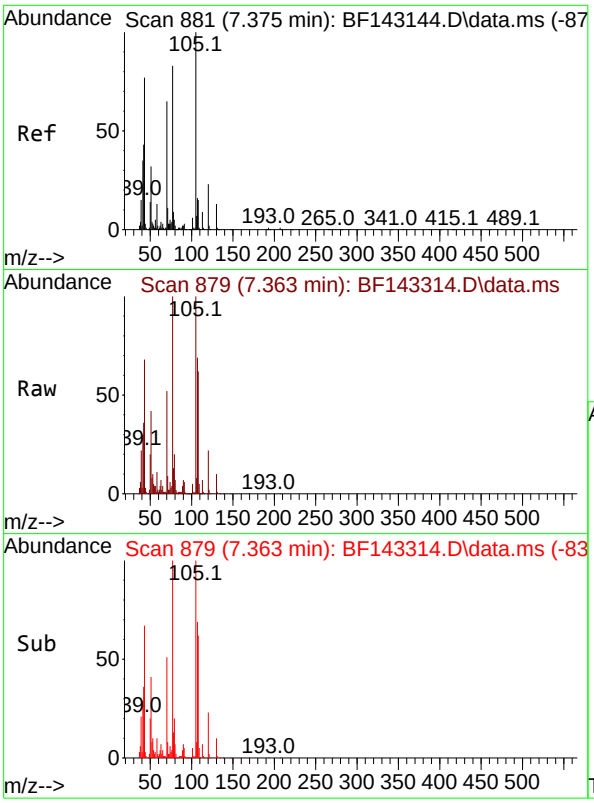


#18
Hexachloroethane
Concen: 16.482 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:117 Resp: 49572

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.8	116.8
201	97.3	77.0	115.4



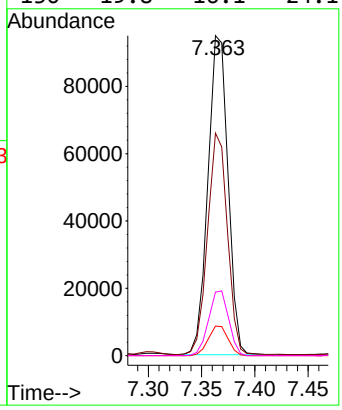


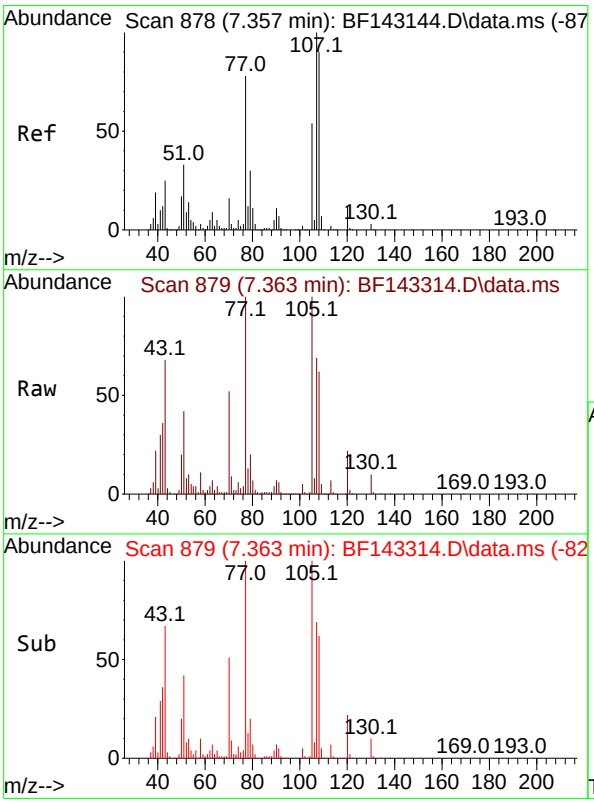
#19
n-Nitroso-di-n-propylamine
Concen: 20.365 ng
RT: 7.363 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 70 Resp: 124598

Ion	Ratio	Lower	Upper
70	100		
42	69.6	52.5	78.7
101	9.3	7.6	11.4
130	19.8	16.1	24.1

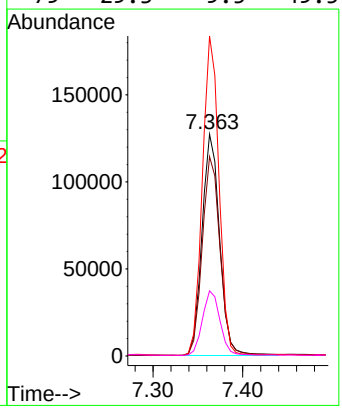


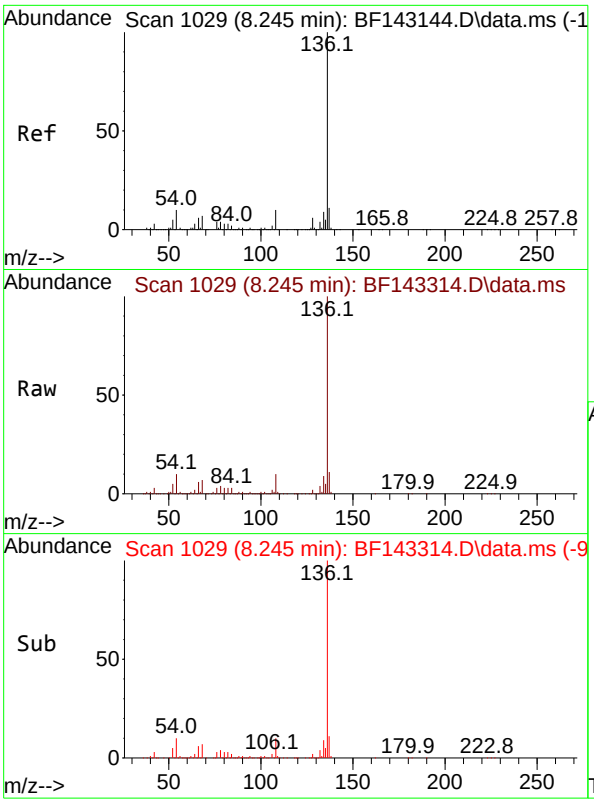


#20
3+4-Methylphenols
Concen: 21.377 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:107 Resp: 173188

Ion	Ratio	Lower	Upper
107	100		
108	89.9	70.0	110.0
77	144.2	57.8	97.8#
79	29.3	9.5	49.5



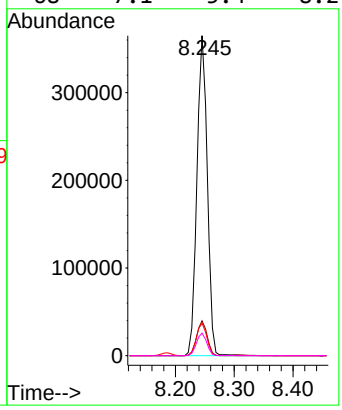


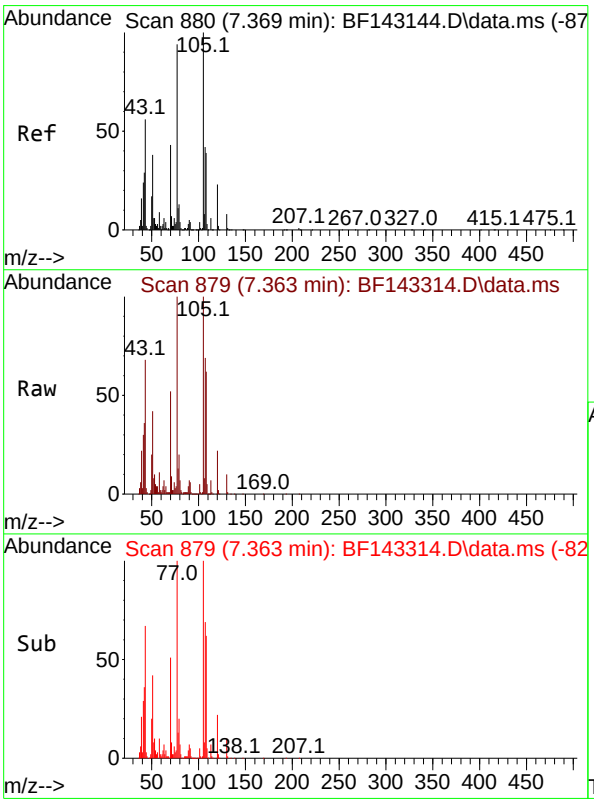
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:136 Resp: 447775

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	10.1	8.2	12.2
68	7.1	5.4	8.2

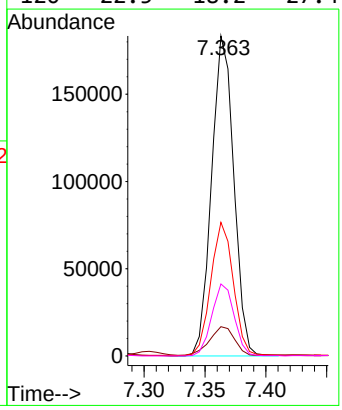


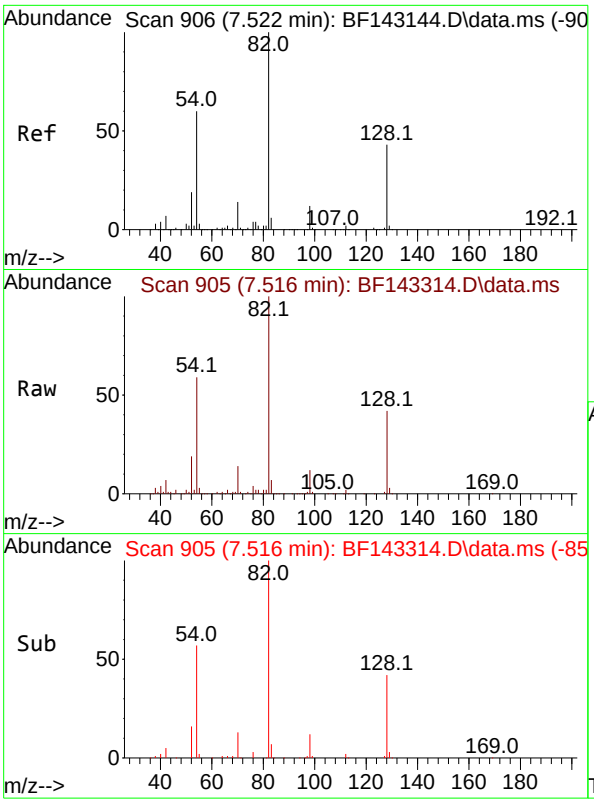


#22
Acetophenone
Concen: 22.008 ng
RT: 7.363 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:105 Resp: 233314

Ion	Ratio	Lower	Upper
105	100		
71	9.2	5.8	8.6#
51	41.8	30.2	45.2
120	22.5	18.2	27.4



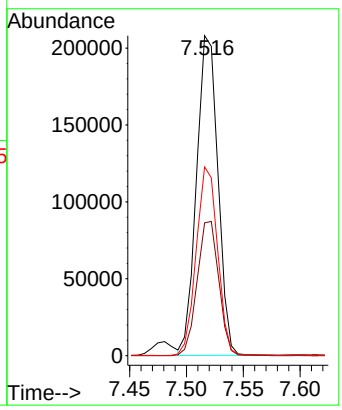


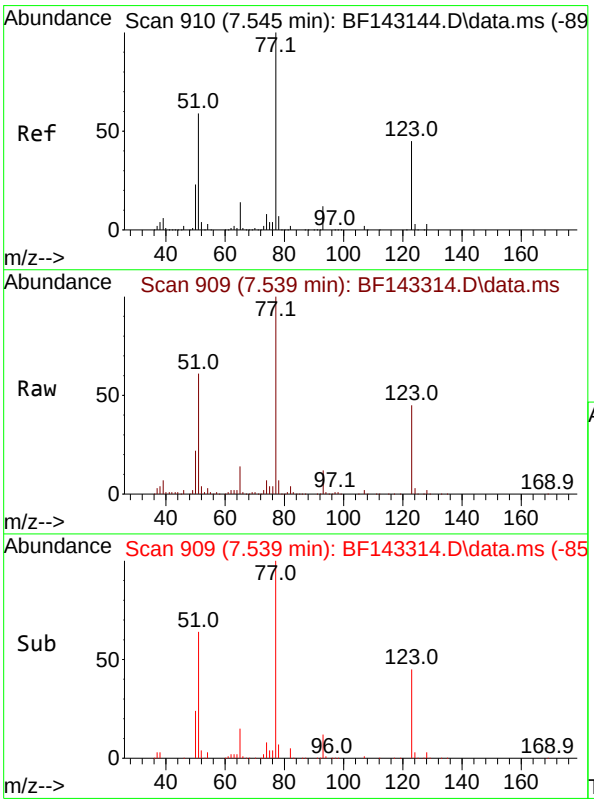
#23
Nitrobenzene-d5
Concen: 30.281 ng
RT: 7.516 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 82 Resp: 272013

Ion	Ratio	Lower	Upper
82	100		
128	41.5	33.6	50.4
54	59.0	47.1	70.7

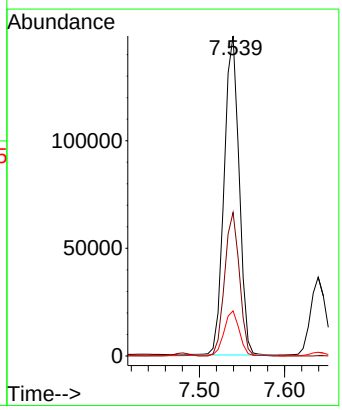


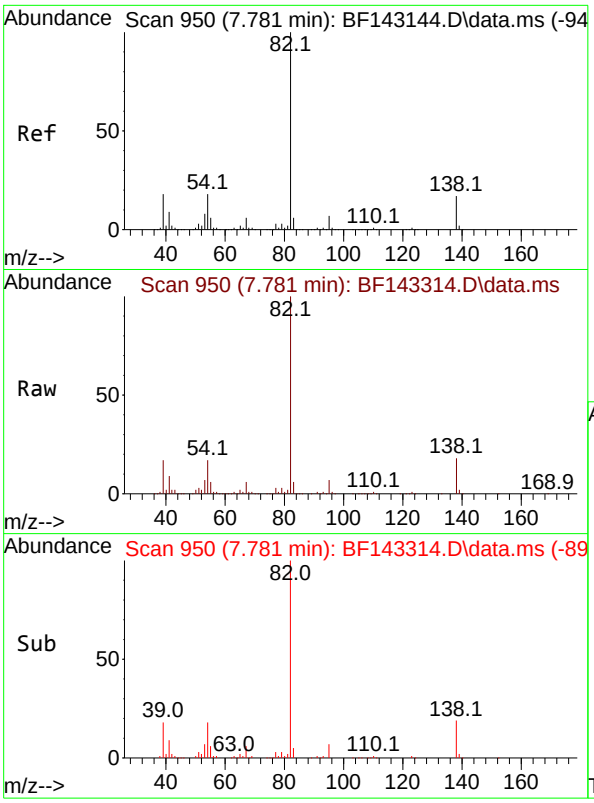


#24
Nitrobenzene
Concen: 21.668 ng
RT: 7.539 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 77 Resp: 181471

Ion	Ratio	Lower	Upper
77	100		
123	44.9	36.1	54.1
65	14.1	11.4	17.2



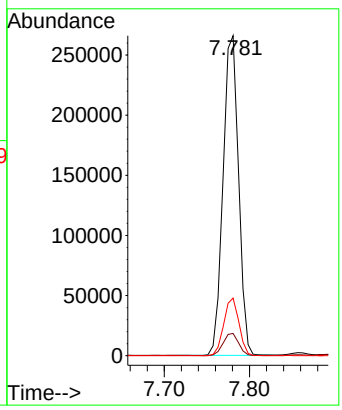


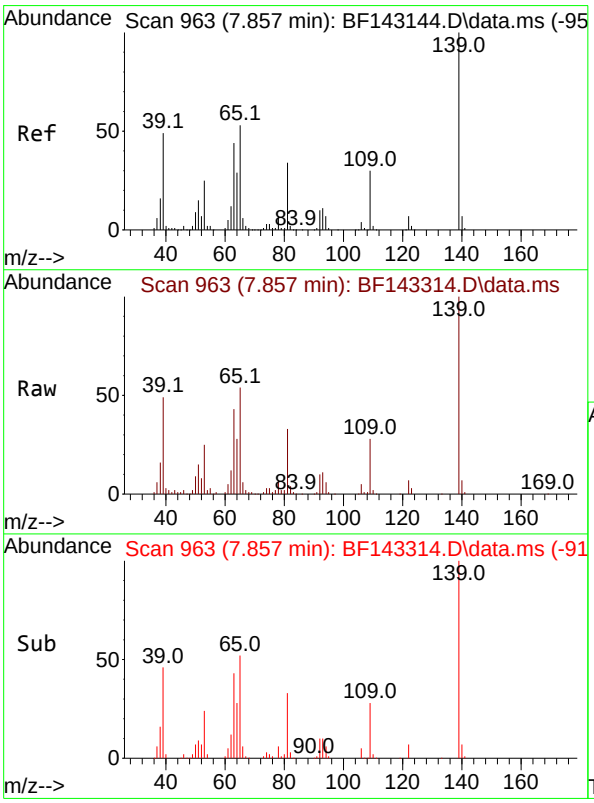
#25
Isophorone
Concen: 21.274 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 82 Resp: 337361

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.5	8.3
138	18.0	13.8	20.8

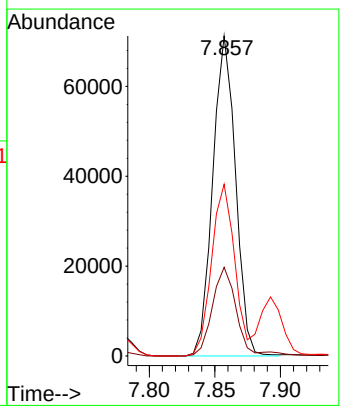


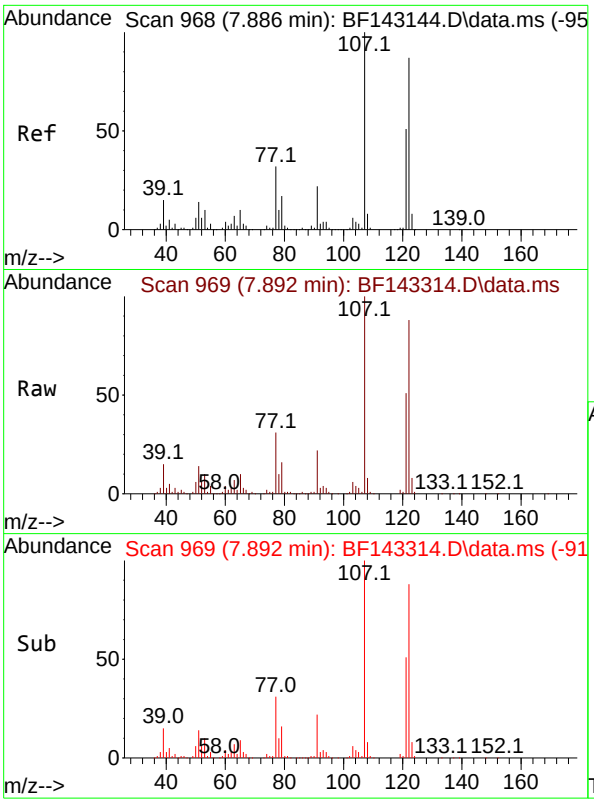


#26
2-Nitrophenol
Concen: 23.623 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:139 Resp: 85862

Ion	Ratio	Lower	Upper
139	100		
109	27.7	23.6	35.4
65	53.7	42.6	64.0



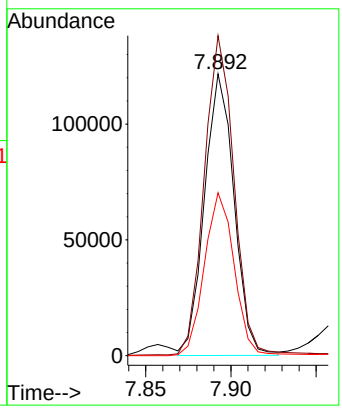


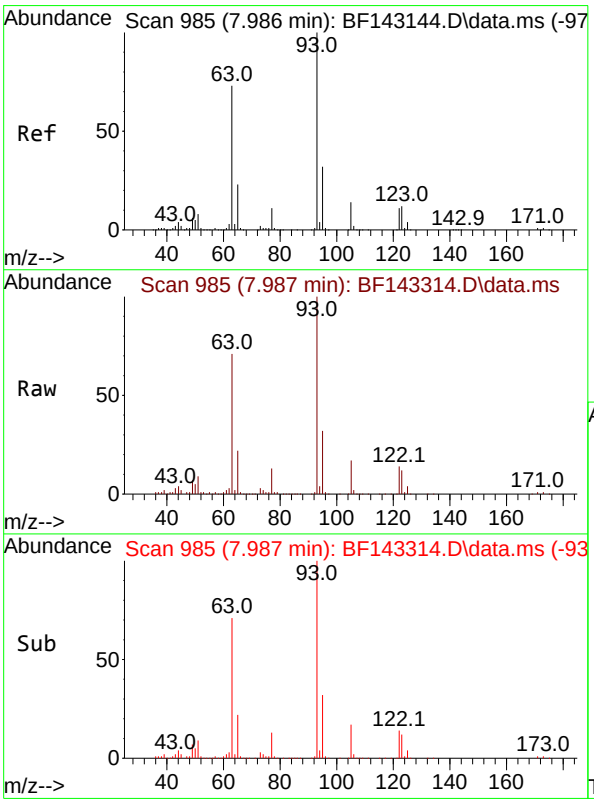
#27
2,4-Dimethylphenol
Concen: 19.844 ng
RT: 7.892 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:122 Resp: 147023

Ion	Ratio	Lower	Upper
122	100		
107	113.5	91.8	137.6
121	57.8	46.3	69.5

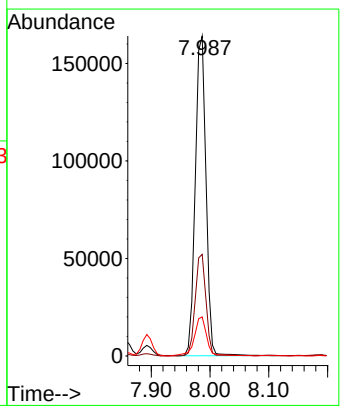


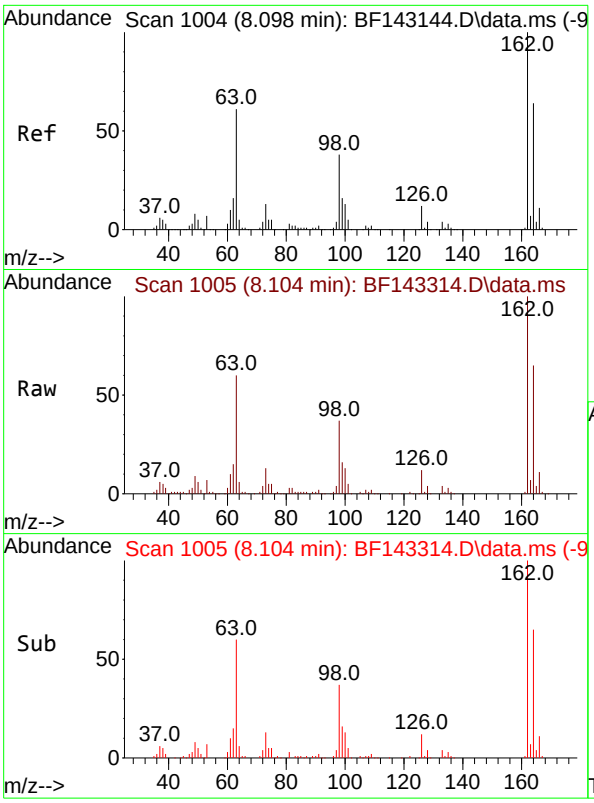


#28
bis(2-Chloroethoxy)methane
Concen: 21.800 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 93 Resp: 207274

Ion	Ratio	Lower	Upper
93	100		
95	31.7	25.8	38.6
123	12.2	9.7	14.5



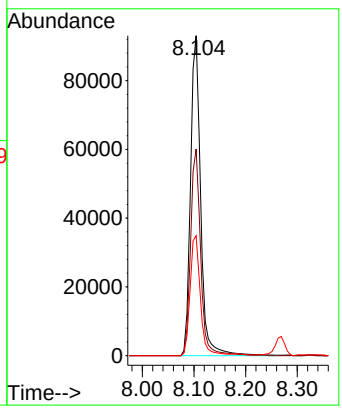


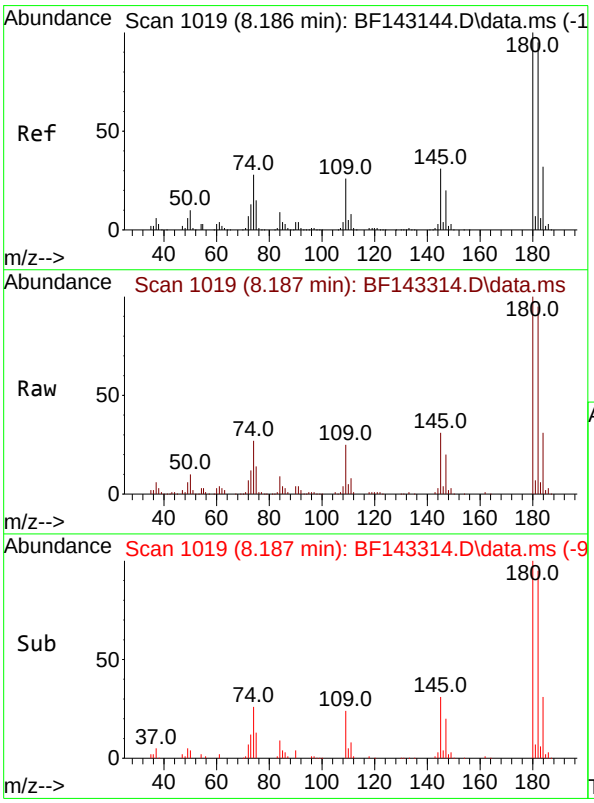
#29
2,4-Dichlorophenol
Concen: 20.362 ng
RT: 8.104 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:162 Resp: 127227

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.2	84.2
98	37.5	17.9	57.9

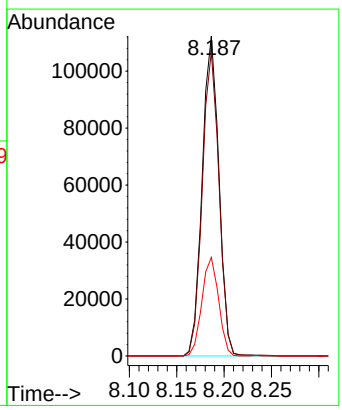


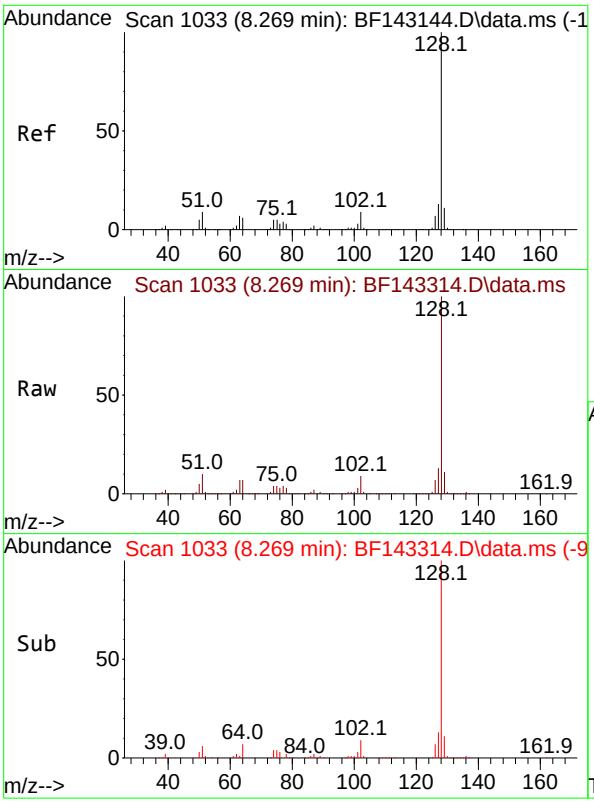


#30
1,2,4-Trichlorobenzene
Concen: 20.440 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:180 Resp: 137977

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
145	30.8	25.0	37.6



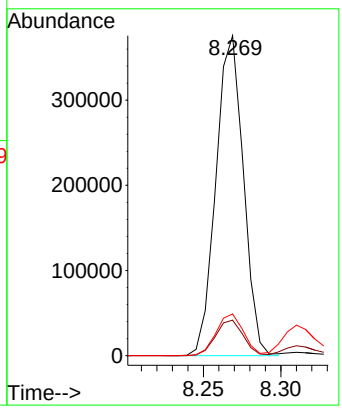


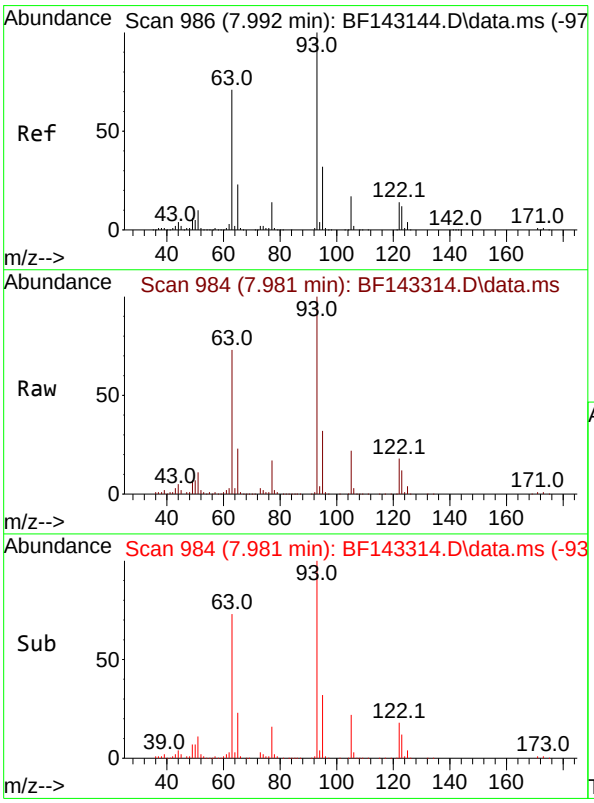
#31
Naphthalene
Concen: 20.989 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:128 Resp: 462850

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.1	10.6	16.0

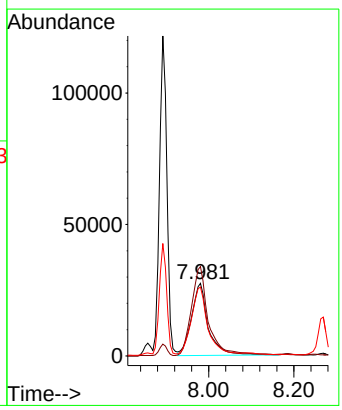


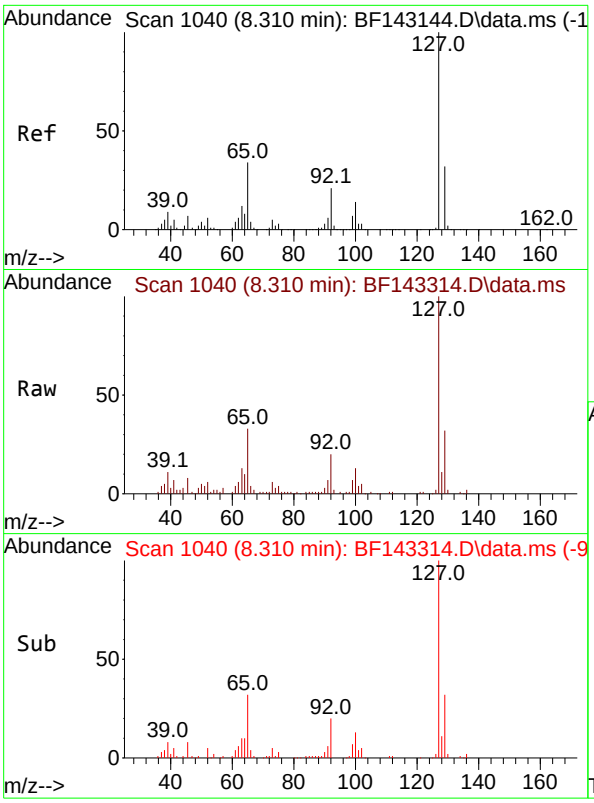


#32
Benzoic acid
Concen: 21.260 ng
RT: 7.981 min Scan# 984
Delta R.T. -0.011 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:122 Resp: 75233

Ion	Ratio	Lower	Upper
122	100		
105	123.3	104.8	144.8
77	94.9	77.6	117.6



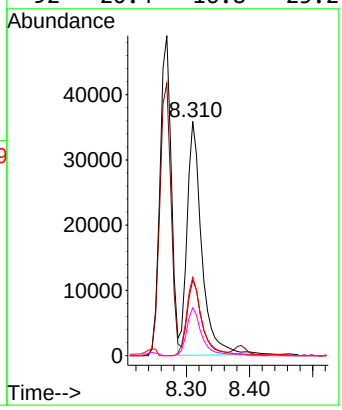


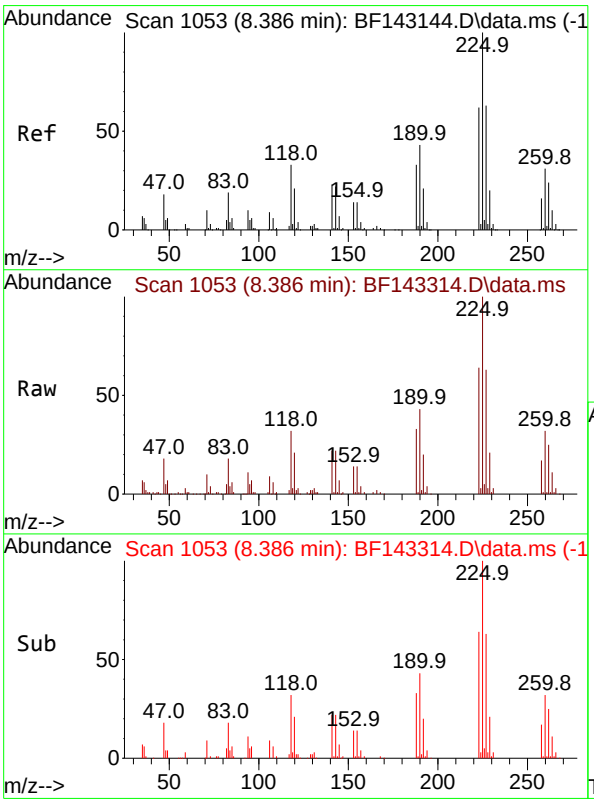
#33
4-Chloroaniline
Concen: 6.480 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:127 Resp: 58350

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.0	39.0
65	33.4	27.4	41.2
92	20.4	16.8	25.2

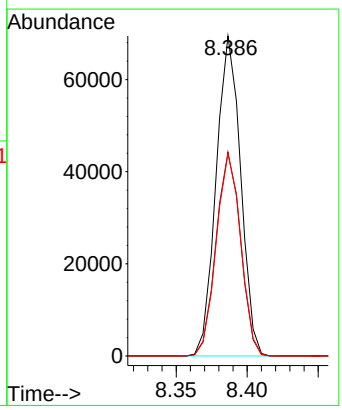


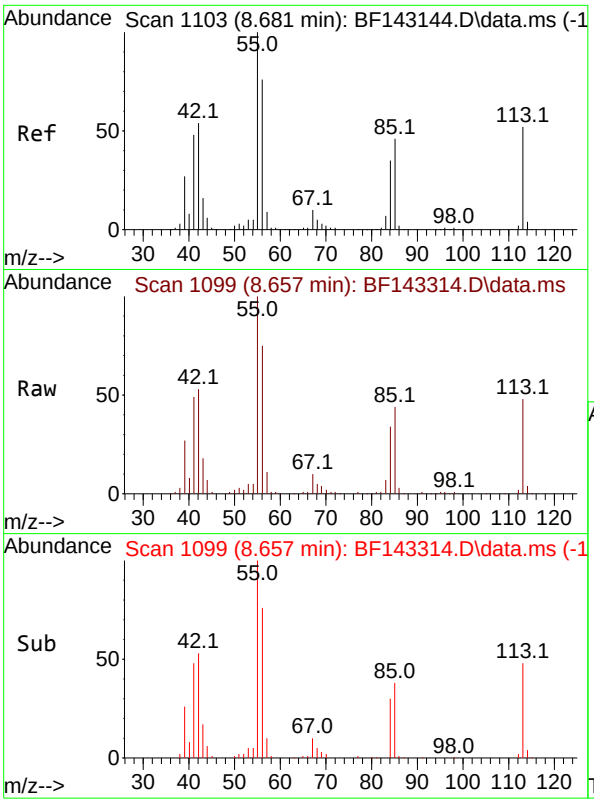


#34
Hexachlorobutadiene
Concen: 20.166 ng
RT: 8.386 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:225 Resp: 83154

Ion	Ratio	Lower	Upper
225	100		
223	63.6	49.8	74.6
227	63.2	50.2	75.4



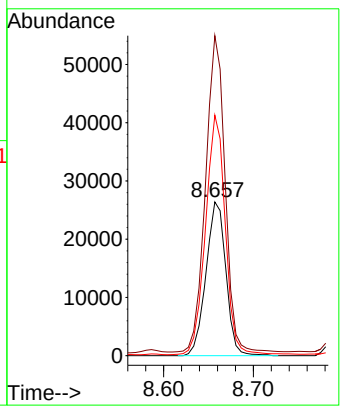


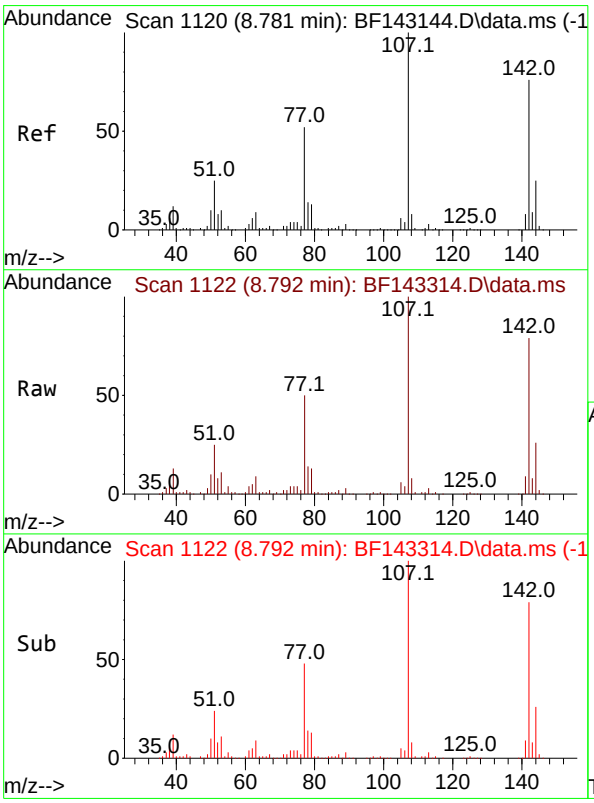
#35
Caprolactam
Concen: 21.558 ng
RT: 8.657 min Scan# 1(
Delta R.T. -0.023 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:113 Resp: 40704

Ion	Ratio	Lower	Upper
113	100		
55	208.2	174.0	214.0
56	156.4	126.6	166.6

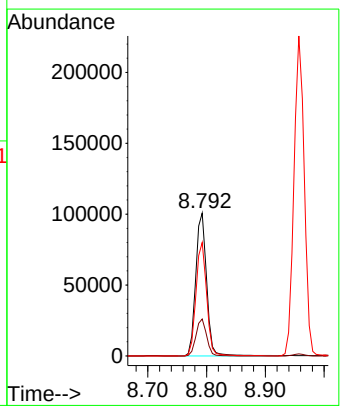


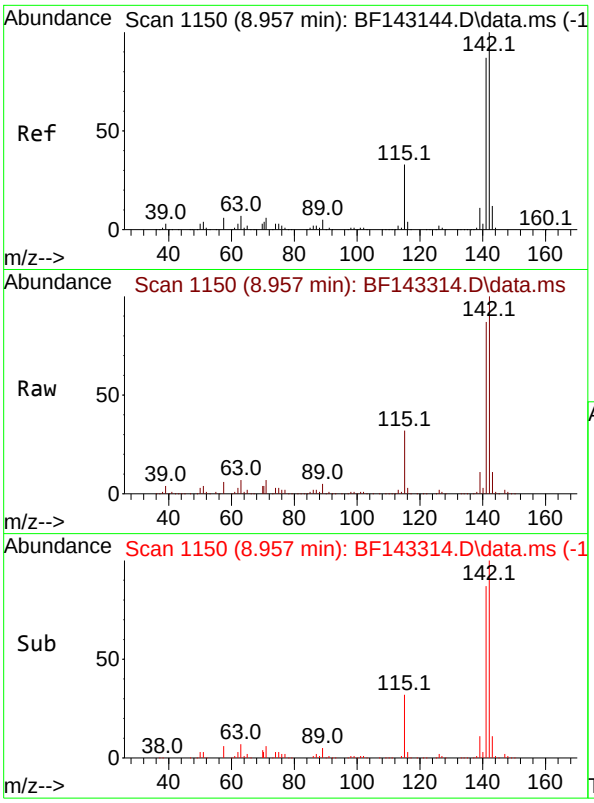


#36
4-Chloro-3-methylphenol
Concen: 19.116 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:107 Resp: 129818

Ion	Ratio	Lower	Upper
107	100		
144	25.9	19.8	29.6
142	79.4	60.6	90.8



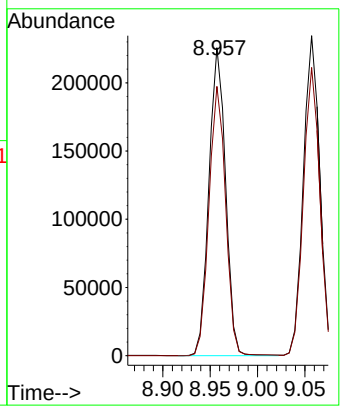


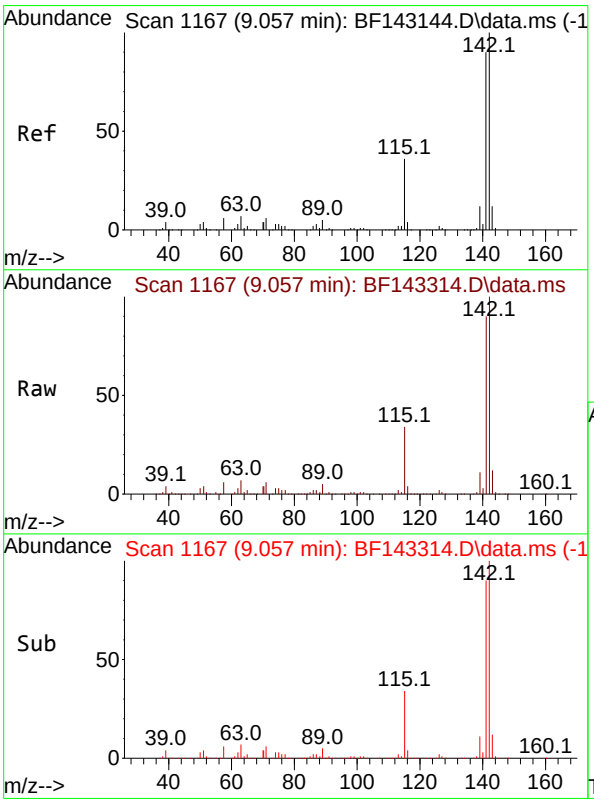
#37
2-Methylnaphthalene
Concen: 20.506 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:142 Resp: 275169

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

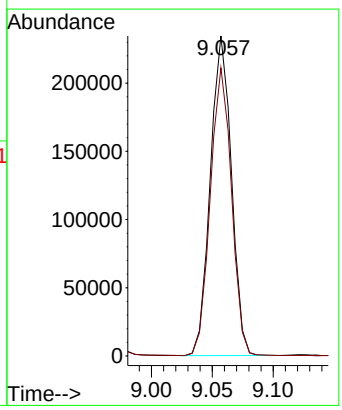


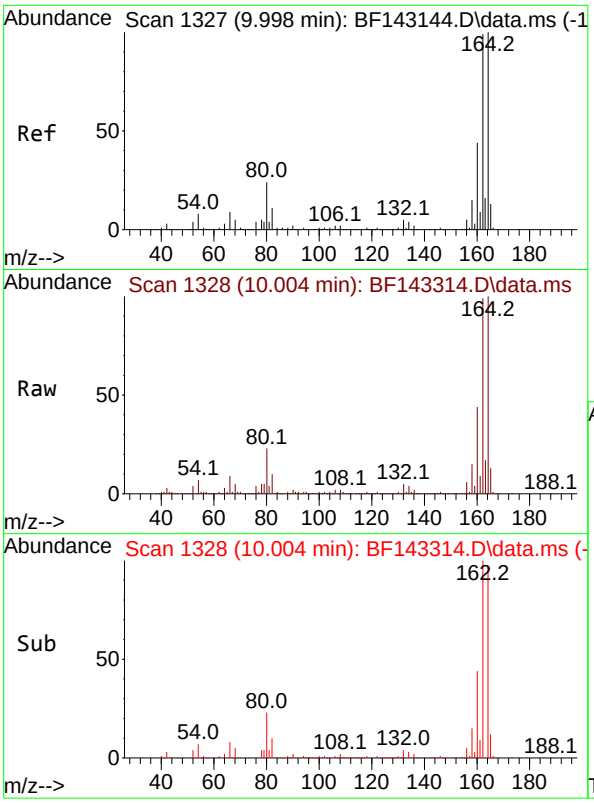


#38
1-Methylnaphthalene
Concen: 20.377 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:142 Resp: 281572

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.3	108.5



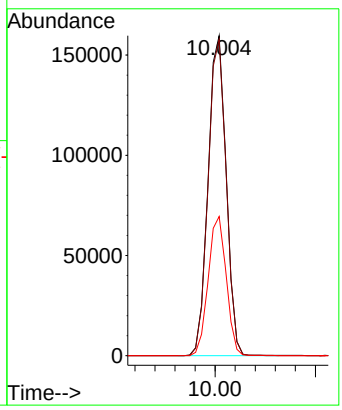


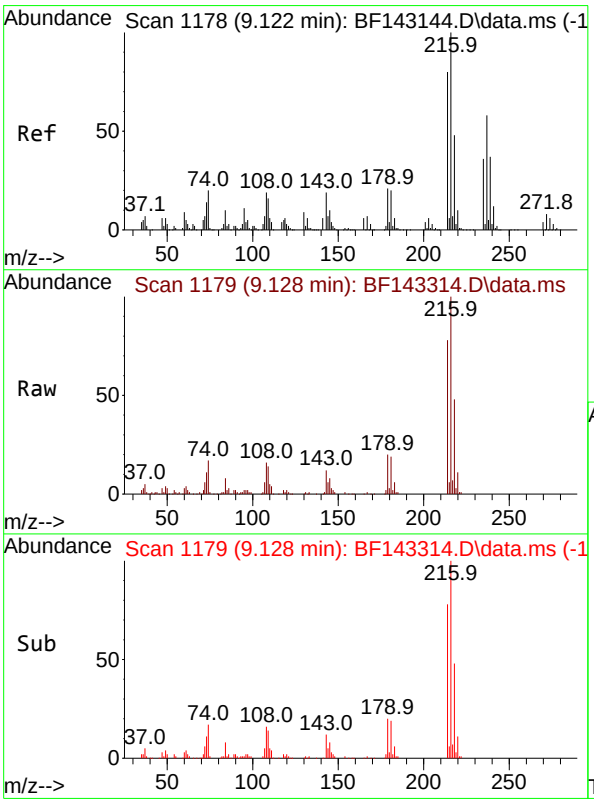
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:164 Resp: 200201

Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.0	118.6
160	43.5	35.1	52.7

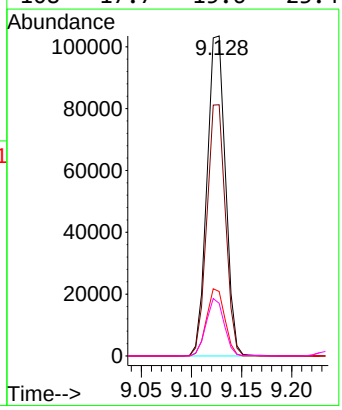


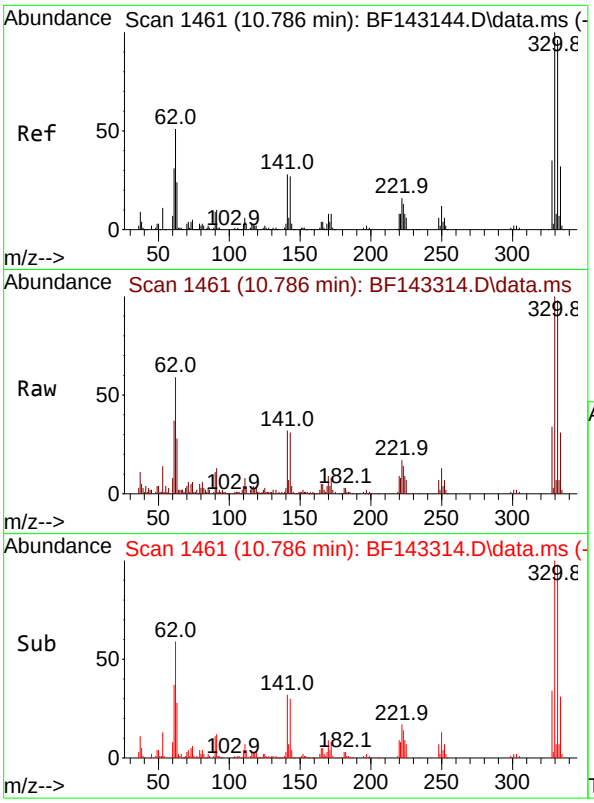


#40
1,2,4,5-Tetrachlorobenzene
Concen: 23.003 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:216 Resp: 132955

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.8	95.8
179	20.7	16.4	24.6
108	17.7	15.6	23.4



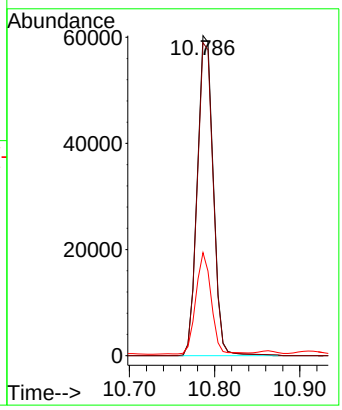


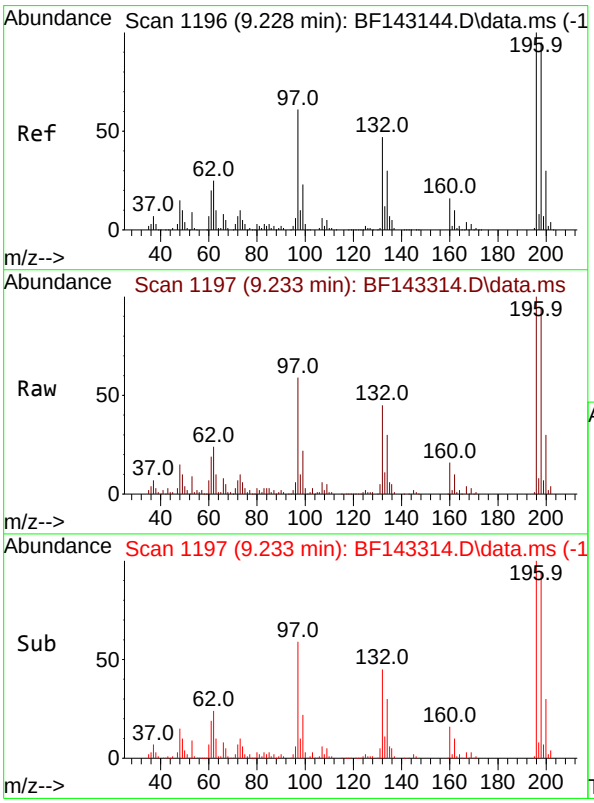
#42
2,4,6-Tribromophenol
Concen: 37.979 ng
RT: 10.786 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:330 Resp: 78547

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.7	115.1
141	30.8	23.3	34.9

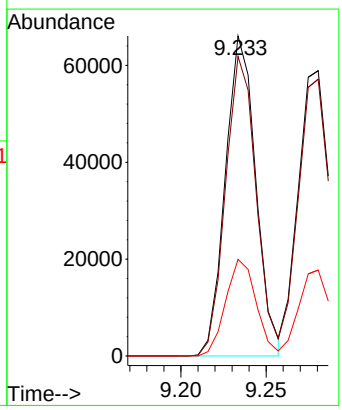


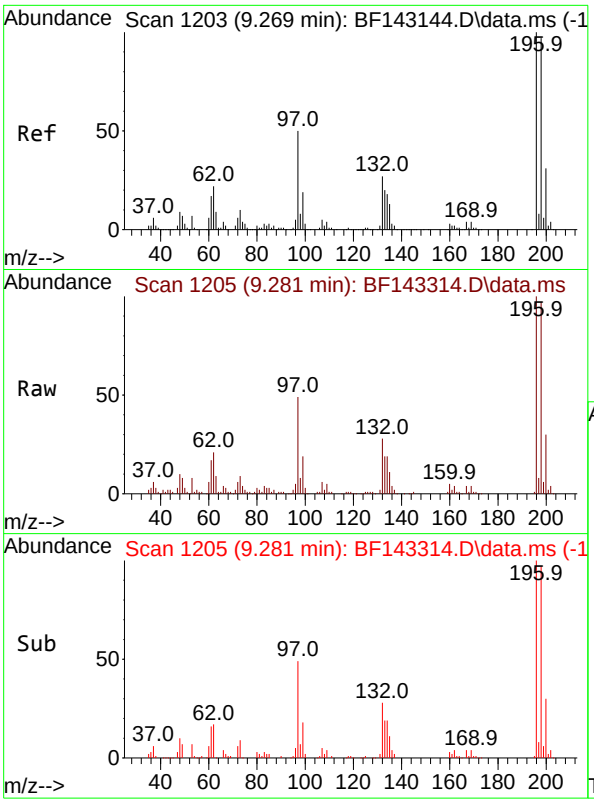


#43
2,4,6-Trichlorophenol
Concen: 20.543 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:196 Resp: 82178

Ion	Ratio	Lower	Upper
196	100		
198	93.6	76.2	114.2
200	30.2	23.9	35.9



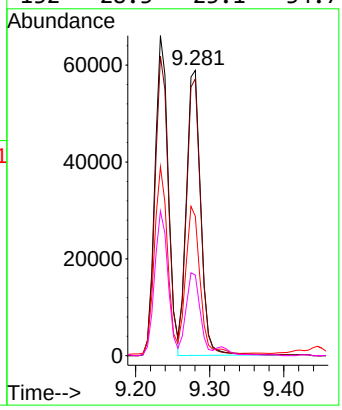


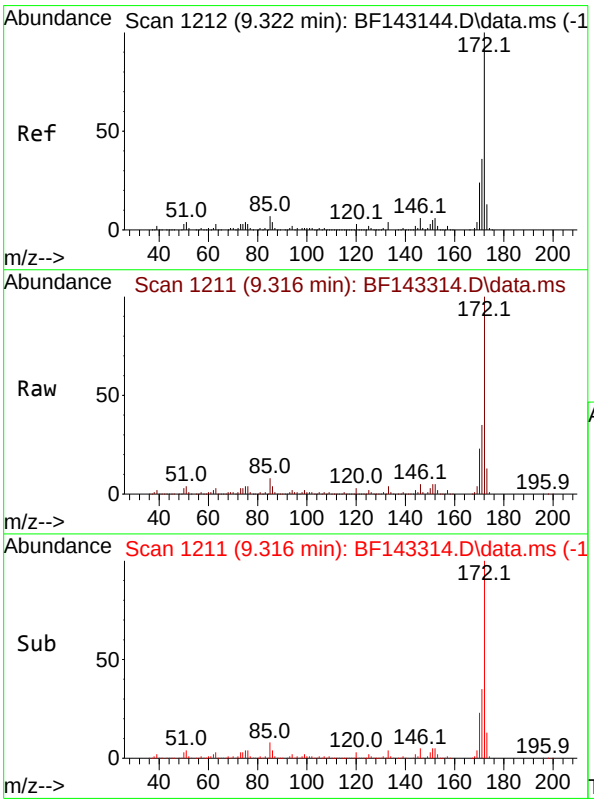
#44
2,4,5-Trichlorophenol
Concen: 19.780 ng
RT: 9.281 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:196 Resp: 79149

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.3	115.9
97	48.9	40.3	60.5
132	28.3	23.1	34.7

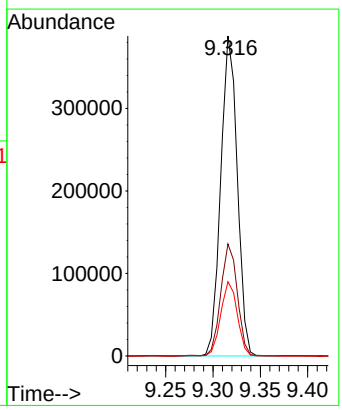


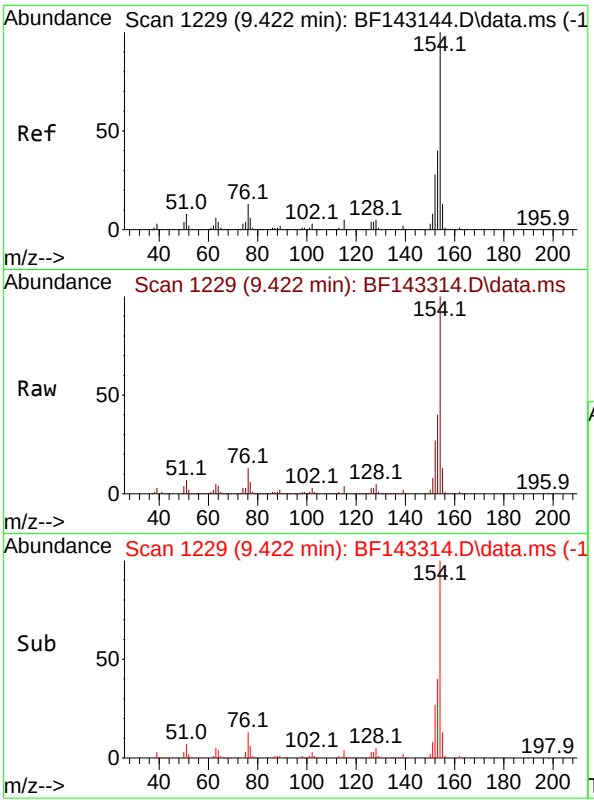


#45
2-Fluorobiphenyl
Concen: 32.232 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:172 Resp: 471839

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	23.2	18.8	28.2



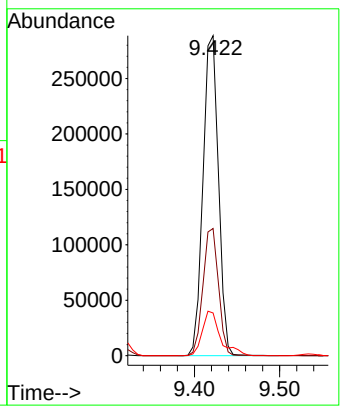


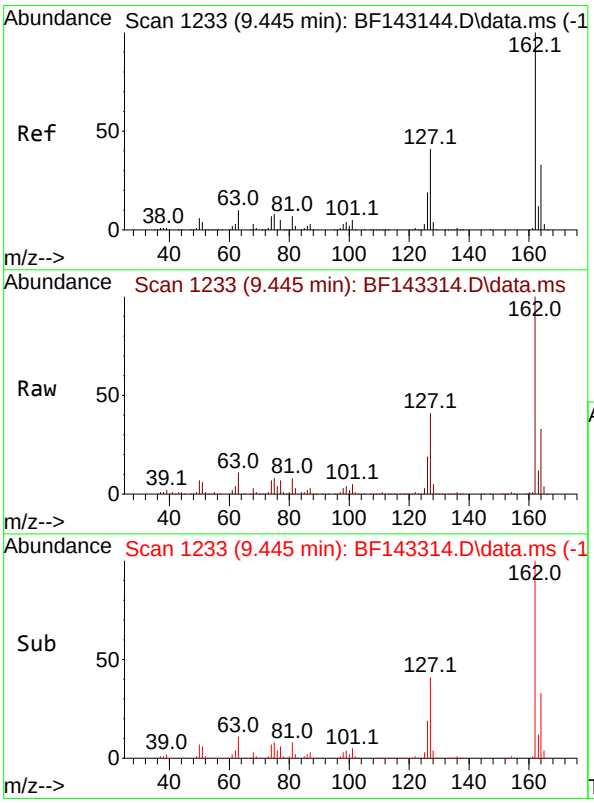
#46
1,1'-Biphenyl
Concen: 23.288 ng
RT: 9.422 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:154 Resp: 363752

Ion	Ratio	Lower	Upper
154	100		
153	39.7	20.3	60.3
76	13.4	0.0	33.3

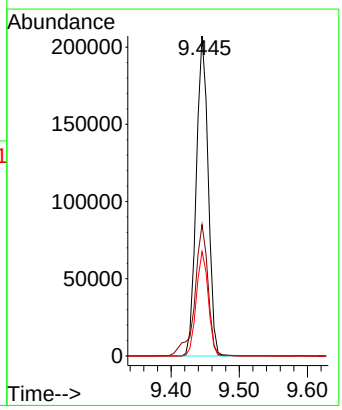


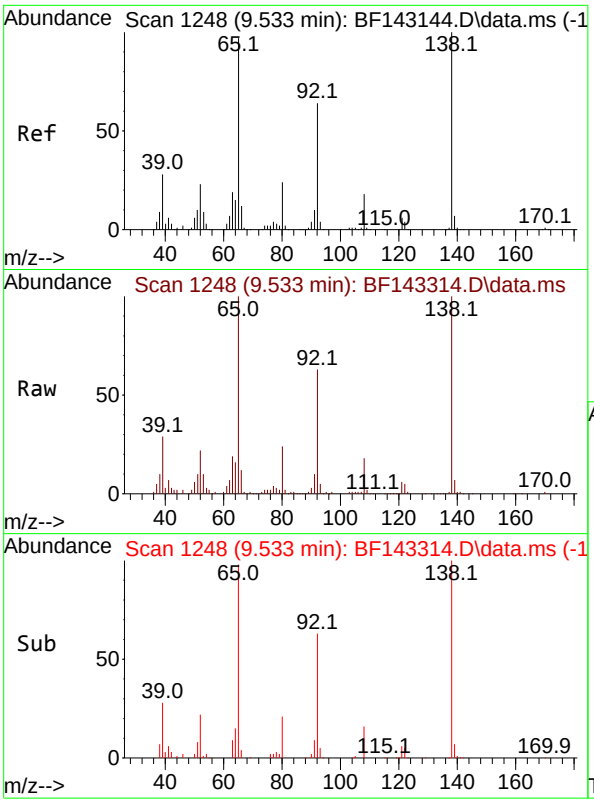


#47
2-Chloronaphthalene
Concen: 21.762 ng
RT: 9.445 min Scan# 1233
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:162 Resp: 251508

Ion	Ratio	Lower	Upper
162	100		
127	41.1	33.4	50.2
164	32.6	26.2	39.2



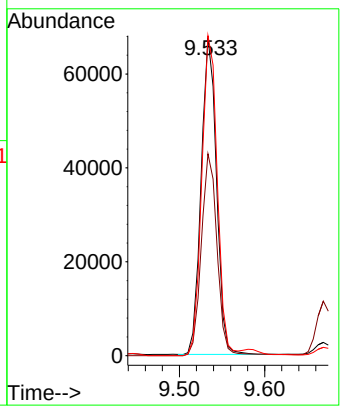


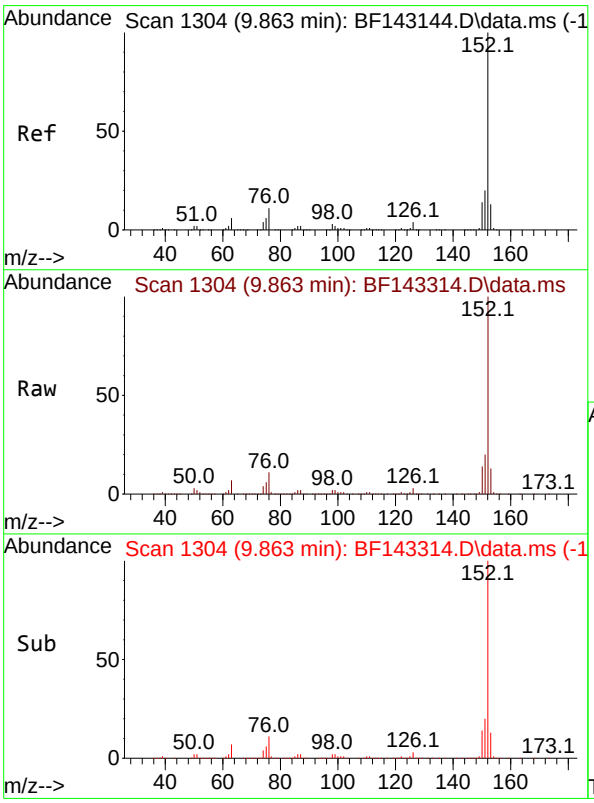
#48
2-Nitroaniline
Concen: 23.258 ng
RT: 9.533 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion: 65 Resp: 84294

Ion	Ratio	Lower	Upper
65	100		
92	63.4	52.4	78.6
138	100.5	82.3	123.5

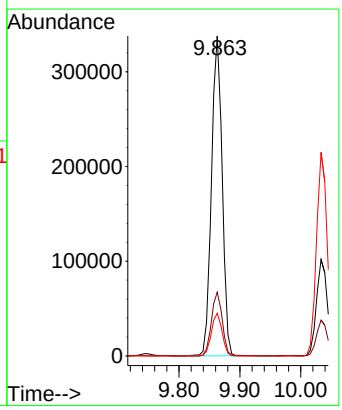


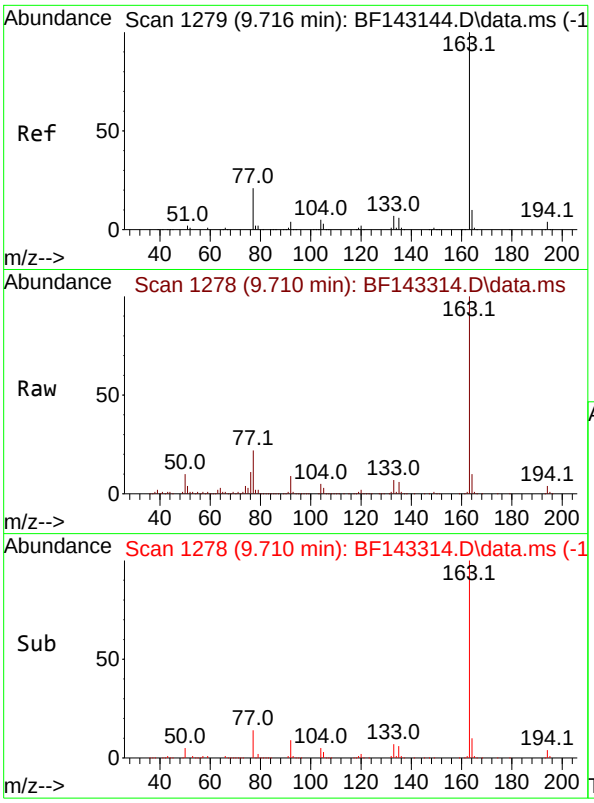


#49
Acenaphthylene
Concen: 21.259 ng
RT: 9.863 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:152 Resp: 411753

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.2	24.2
153	13.3	10.6	16.0



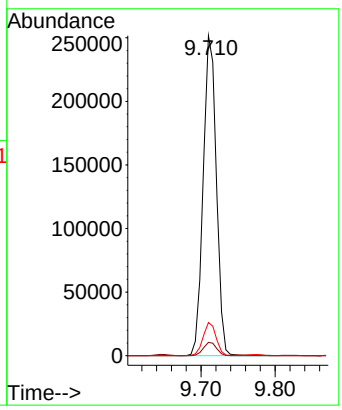


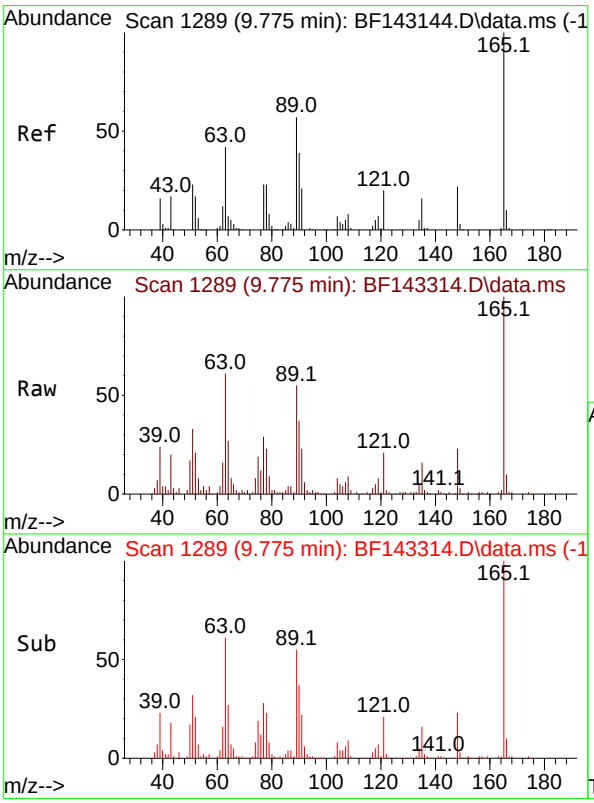
#50
Dimethylphthalate
Concen: 23.904 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:163 Resp: 311940

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.3	8.3	12.5

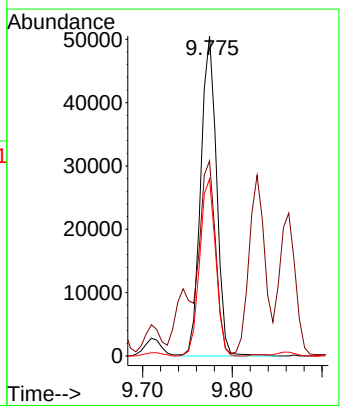


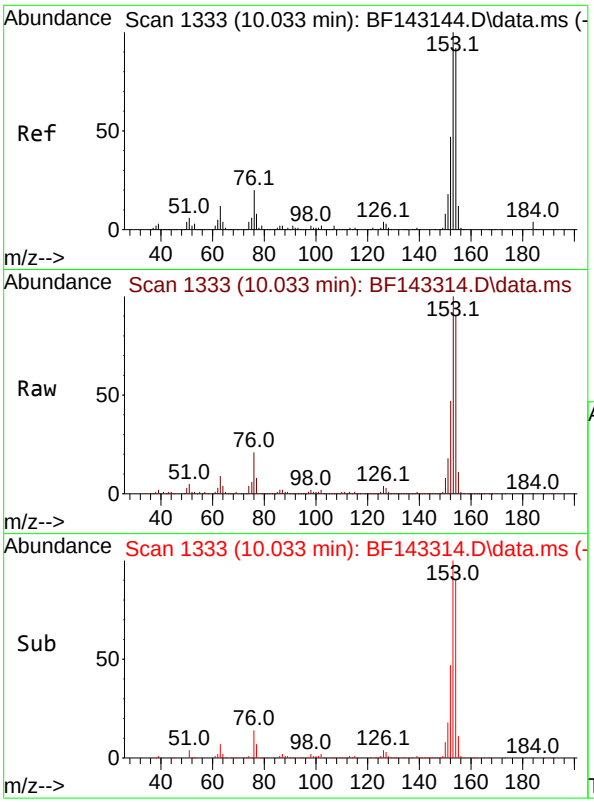


#51
2,6-Dinitrotoluene
Concen: 23.308 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:165 Resp: 61876

Ion	Ratio	Lower	Upper
165	100		
63	60.9	49.4	74.2
89	55.3	46.2	69.2



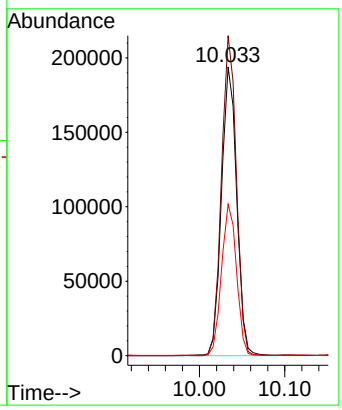


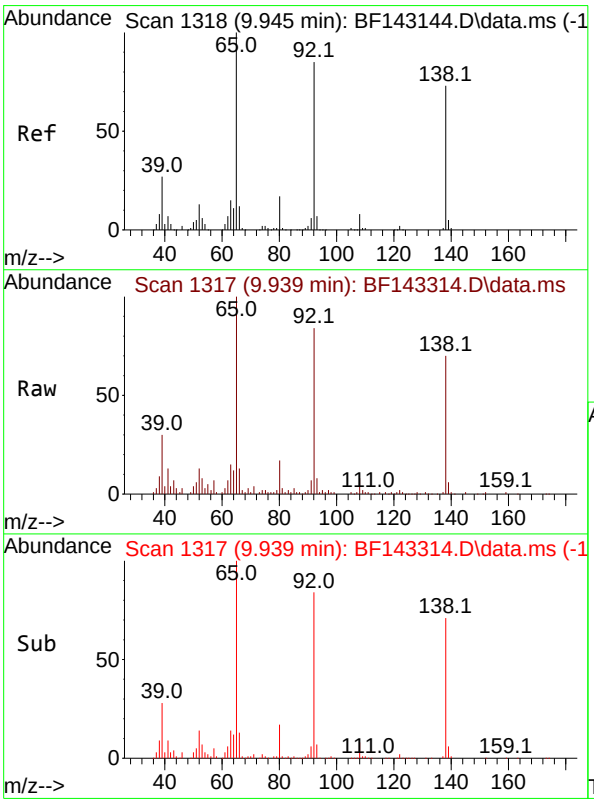
#52
Acenaphthene
Concen: 21.045 ng
RT: 10.033 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:154 Resp: 240916

Ion	Ratio	Lower	Upper
154	100		
153	110.8	86.6	129.8
152	52.5	40.4	60.6

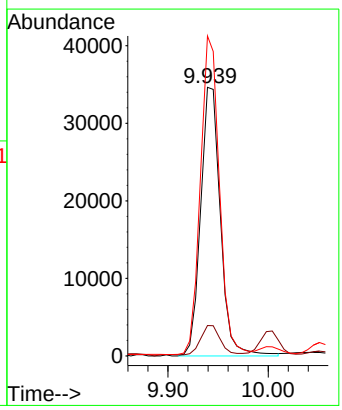


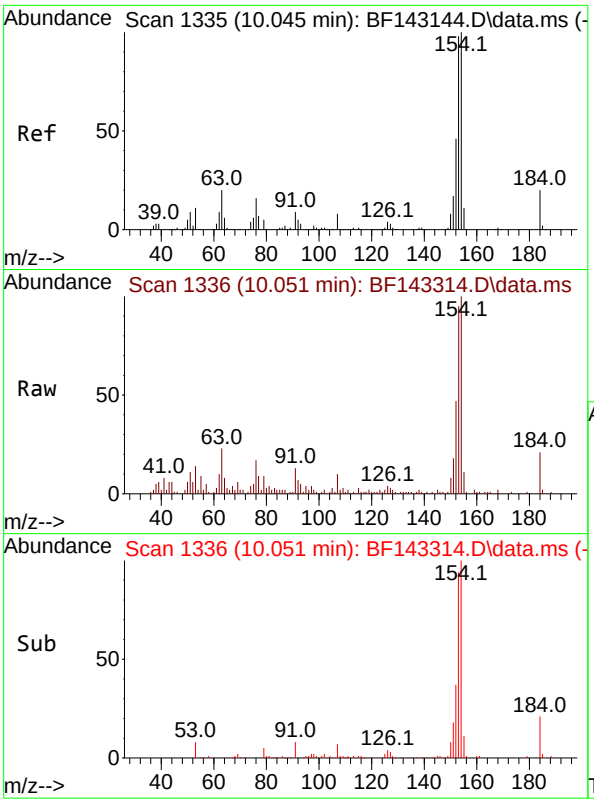


#53
3-Nitroaniline
Concen: 15.343 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:138 Resp: 47642

Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.0	13.6
92	119.1	93.0	139.4



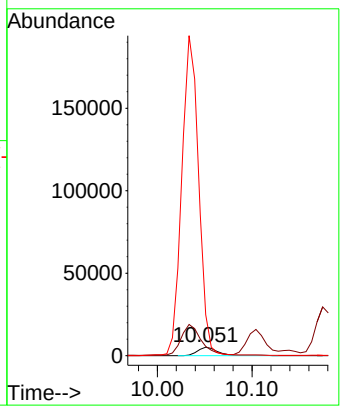


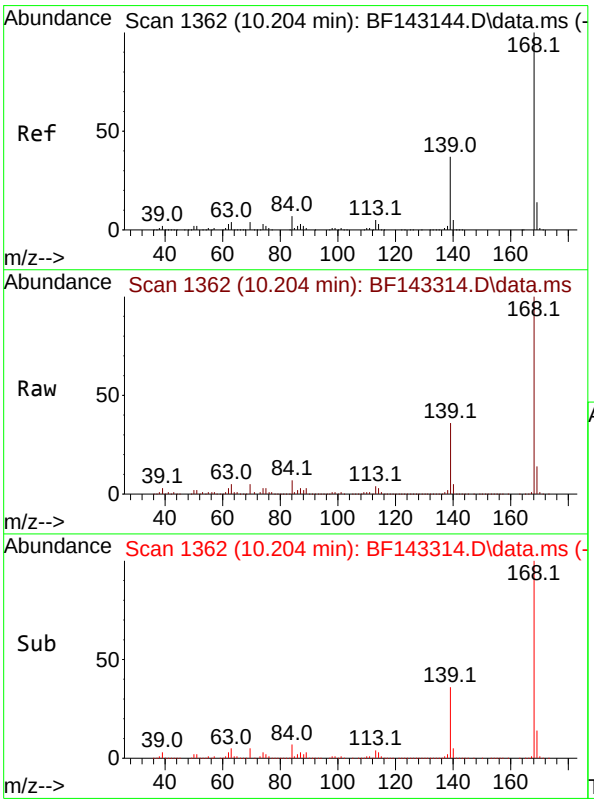
#54
2,4-Dinitrophenol
Concen: 12.695 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:184 Resp: 7916

Ion	Ratio	Lower	Upper
184	100		
63	108.1	81.8	122.6
154	478.2	412.2	618.4

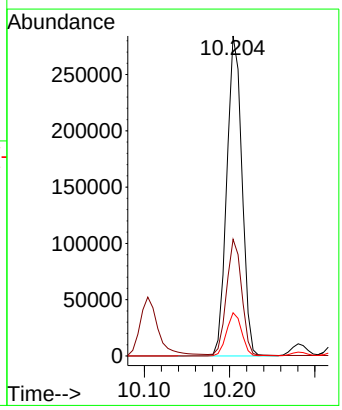


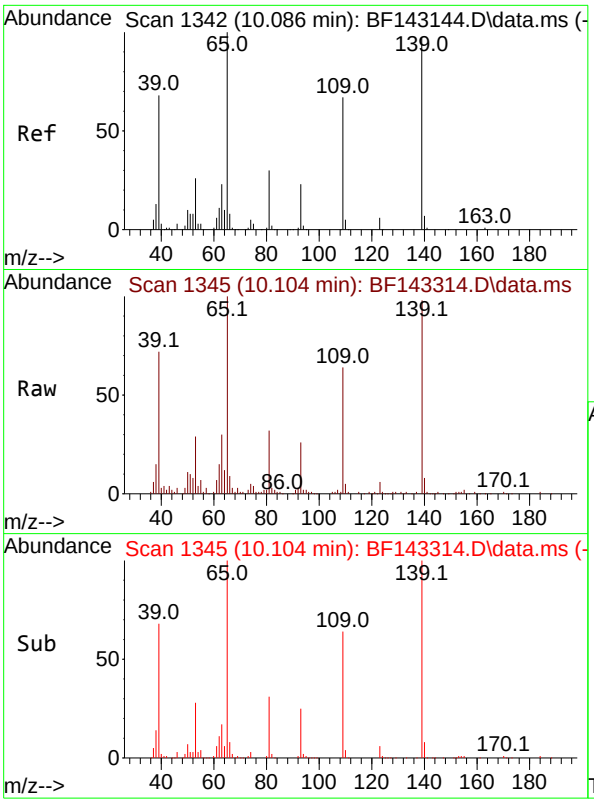


#55
Dibenzofuran
Concen: 20.705 ng
RT: 10.204 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:168 Resp: 351909

Ion	Ratio	Lower	Upper
168	100		
139	36.4	29.5	44.3
169	13.5	10.9	16.3



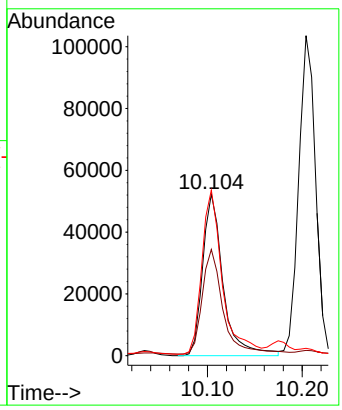


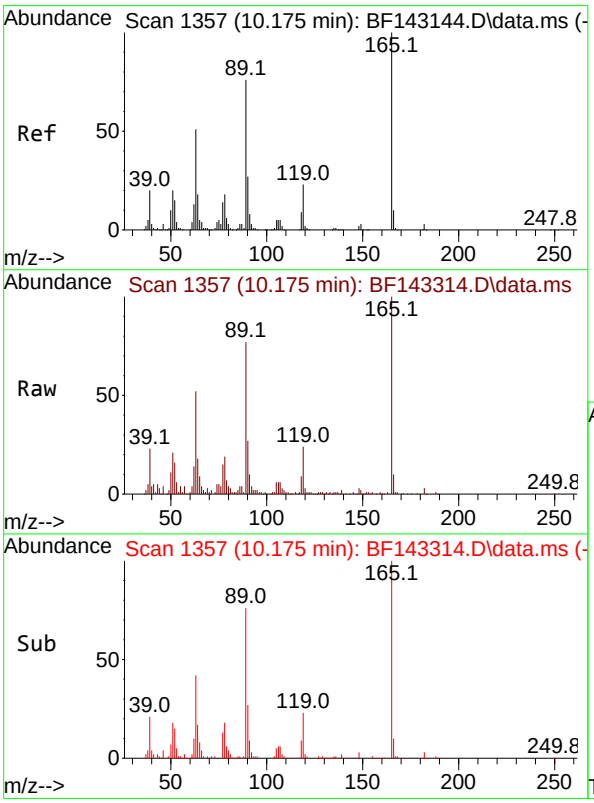
#56
4-Nitrophenol
Concen: 33.834 ng
RT: 10.104 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:139 Resp: 78452

Ion	Ratio	Lower	Upper
139	100		
109	65.7	48.5	88.5
65	102.5	83.4	123.4

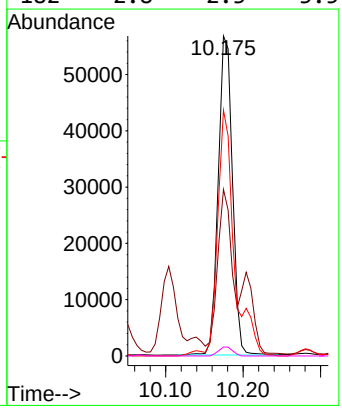


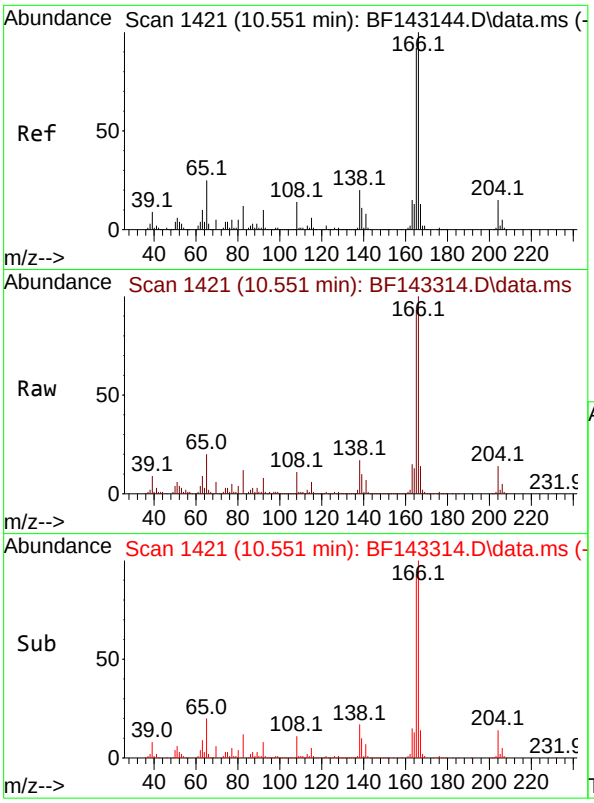


#57
2,4-Dinitrotoluene
Concen: 21.694 ng
RT: 10.175 min Scan# 1357
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:165 Resp: 72252

Ion	Ratio	Lower	Upper
165	100		
63	52.1	41.0	61.4
89	76.8	61.1	91.7
182	2.8	2.3	3.5



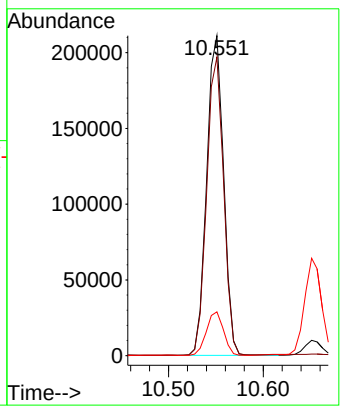


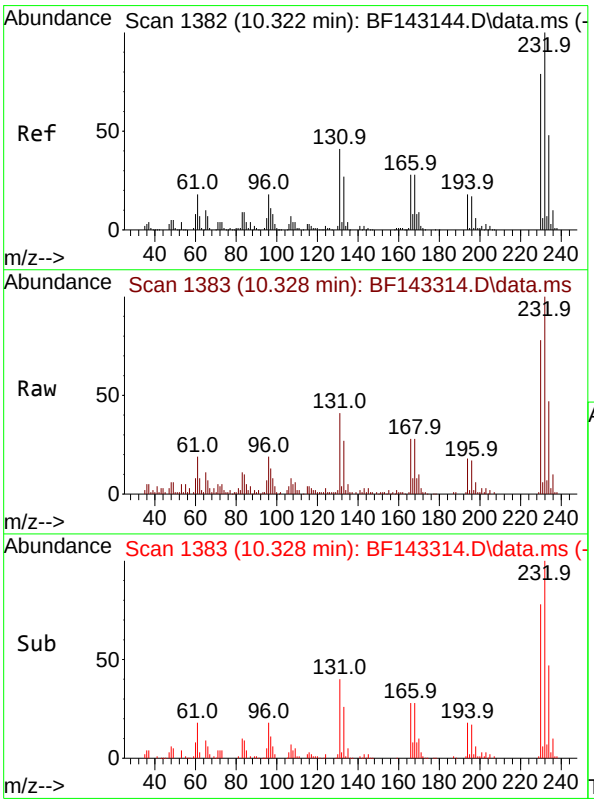
#58
Fluorene
Concen: 20.456 ng
RT: 10.551 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:166 Resp: 260939

Ion	Ratio	Lower	Upper
166	100		
165	93.3	73.7	110.5
167	13.7	10.6	16.0

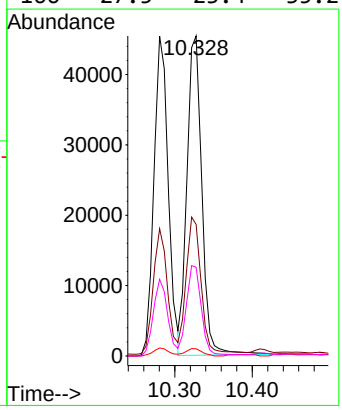


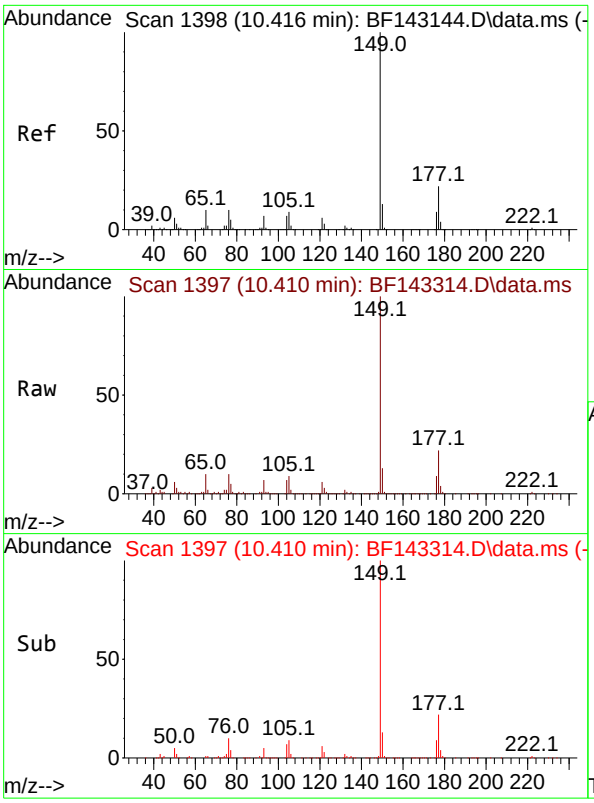


#59
2,3,4,6-Tetrachlorophenol
Concen: 18.300 ng
RT: 10.328 min Scan# 1383
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:232 Resp: 60657

Ion	Ratio	Lower	Upper
232	100		
131	41.9	35.3	52.9
130	2.5	1.7	2.5
166	27.5	23.4	35.2



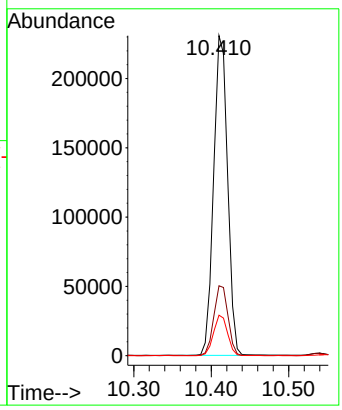


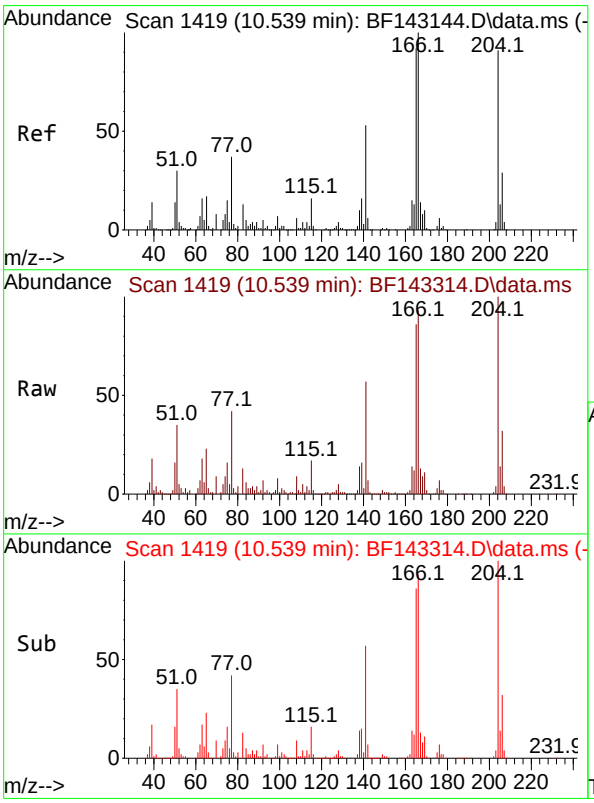
#60
Diethylphthalate
Concen: 22.388 ng
RT: 10.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:149 Resp: 288769

Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.5	26.3
150	12.6	10.2	15.2

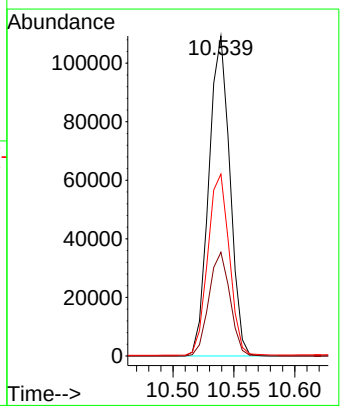


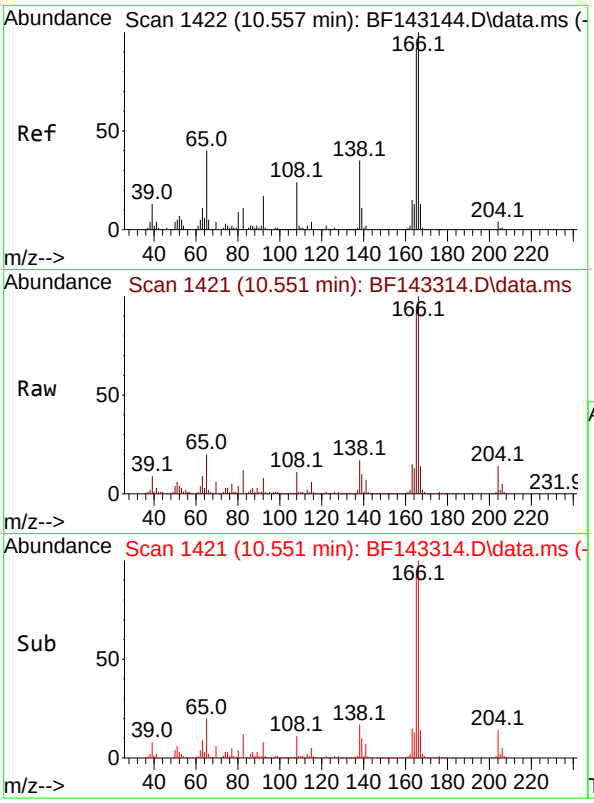


#61
4-Chlorophenyl-phenylether
Concen: 20.703 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:204 Resp: 131501

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.8
141	56.9	47.0	70.4



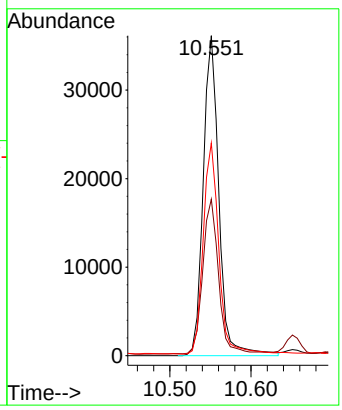


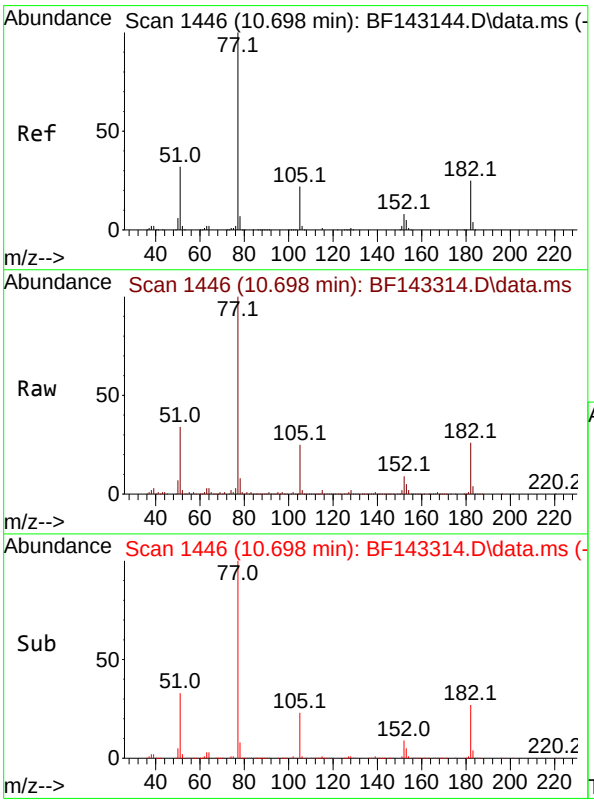
#62
4-Nitroaniline
Concen: 18.161 ng
RT: 10.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:138 Resp: 48330

Ion	Ratio	Lower	Upper
138	100		
92	48.9	29.3	69.3
108	66.4	48.3	88.3

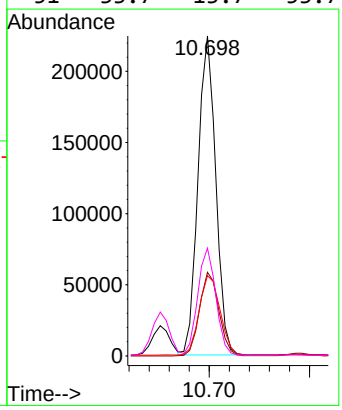


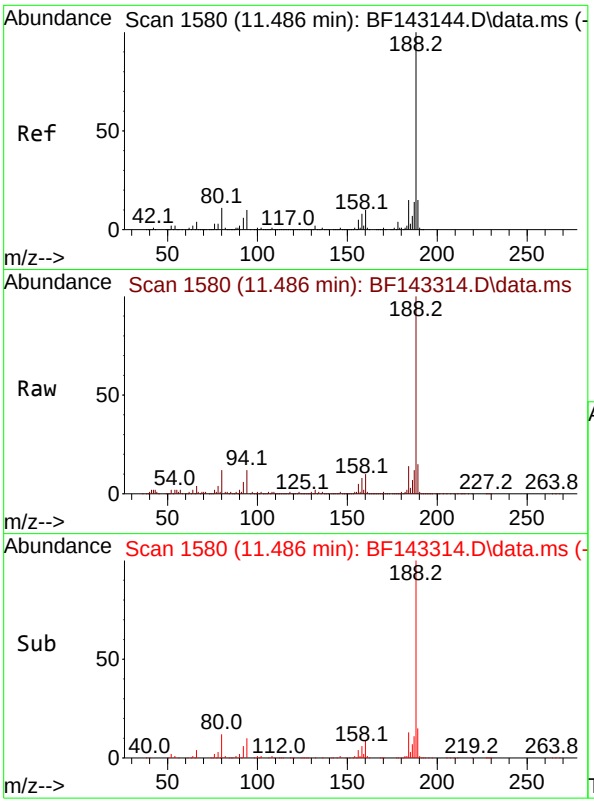


#63
Azobenzene
Concen: 20.585 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion: 77 Resp: 276717

Ion	Ratio	Lower	Upper
77	100		
182	26.1	4.6	44.6
105	25.1	1.4	41.4
51	33.7	13.7	53.7



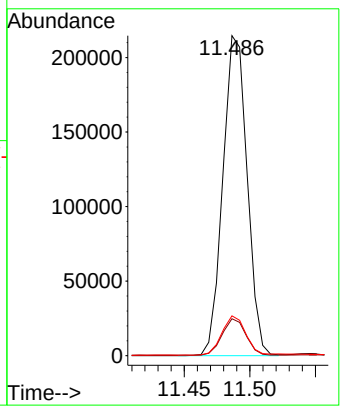


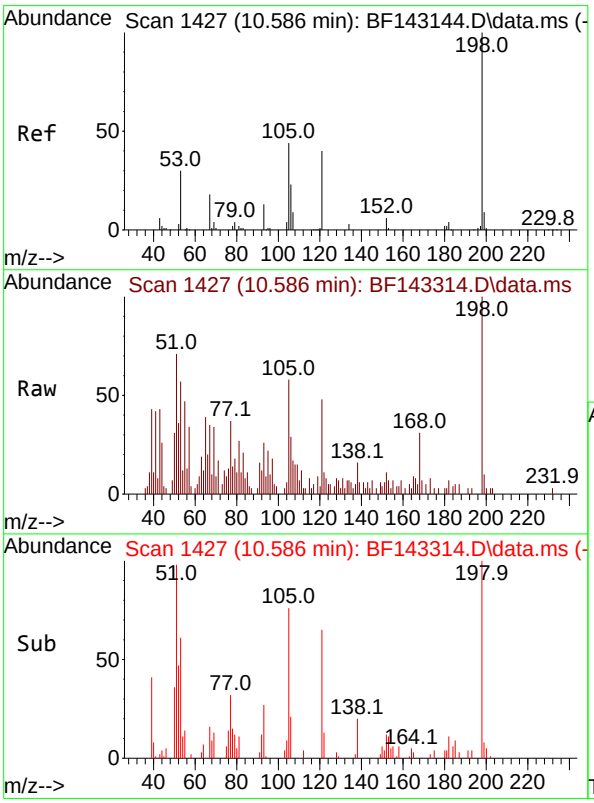
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:188 Resp: 276419

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.3	12.5
80	12.5	9.0	13.6

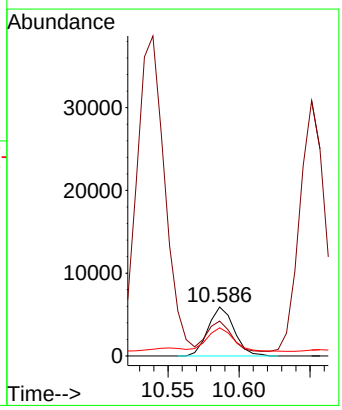


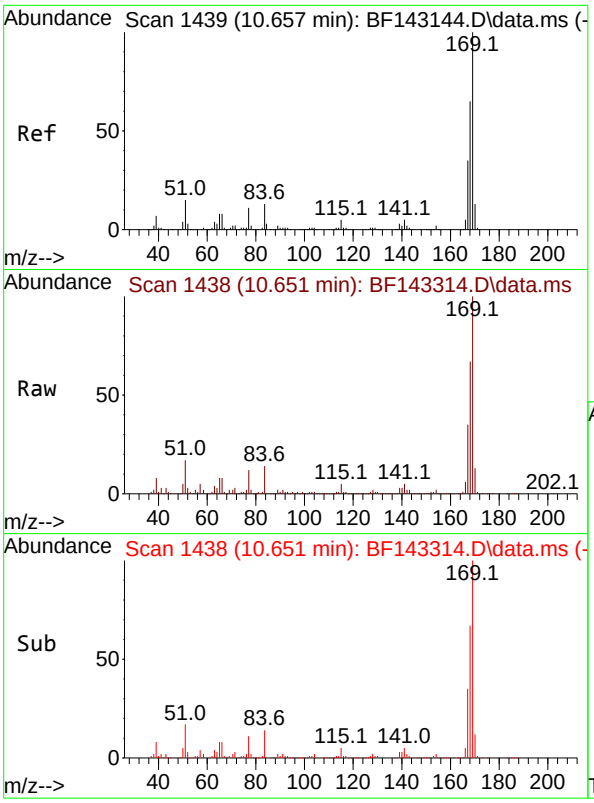


#65
4,6-Dinitro-2-methylphenol
Concen: 9.992 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:198 Resp: 7479

Ion	Ratio	Lower	Upper
198	100		
51	71.5	37.2	77.2
105	57.5	24.8	64.8



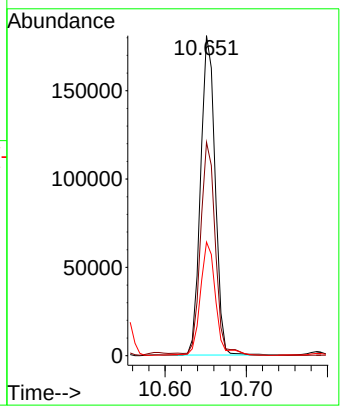


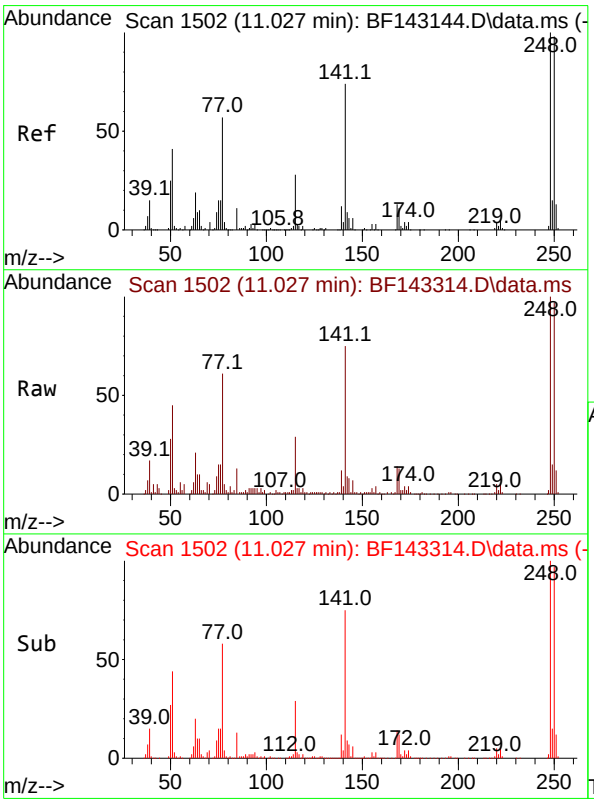
#66
n-Nitrosodiphenylamine
Concen: 23.016 ng
RT: 10.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:169 Resp: 224032

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.1	78.1
167	35.5	28.2	42.2

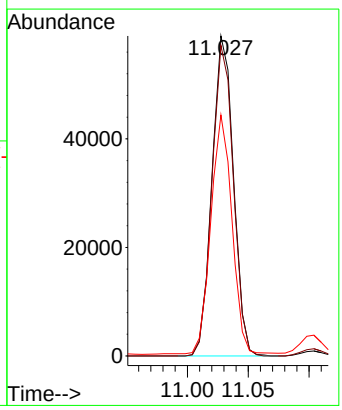


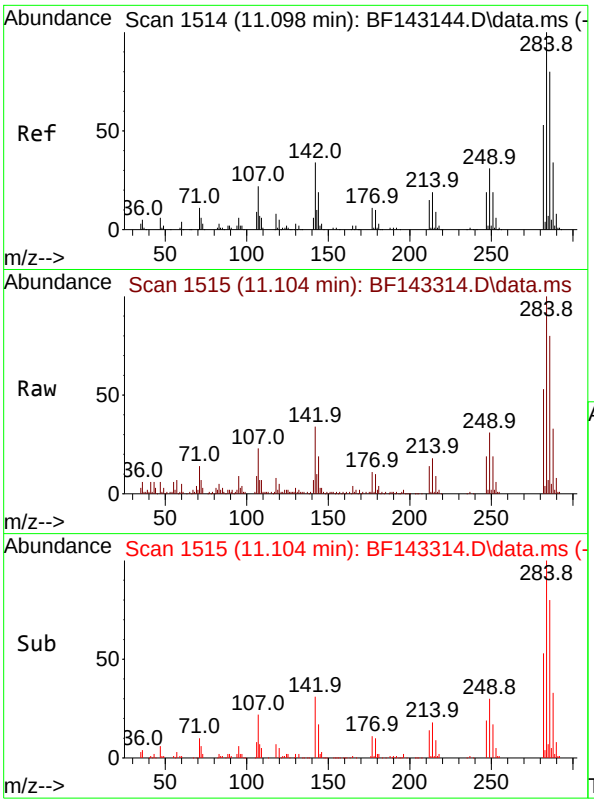


#67
4-Bromophenyl-phenylether
Concen: 21.978 ng
RT: 11.027 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:248 Resp: 72398

Ion	Ratio	Lower	Upper
248	100		
250	97.1	78.3	117.5
141	75.3	59.2	88.8



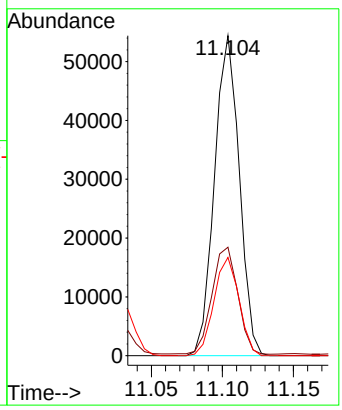


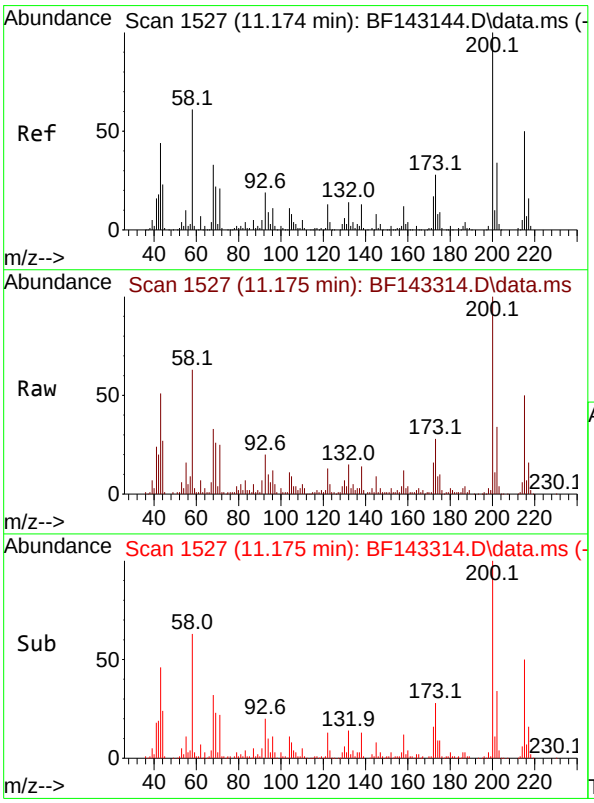
#68
Hexachlorobenzene
Concen: 19.171 ng
RT: 11.104 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:284 Resp: 66007

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.0	40.6
249	30.7	25.0	37.6

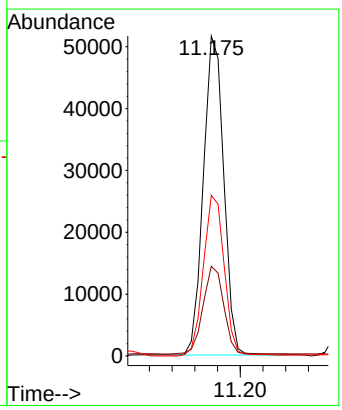


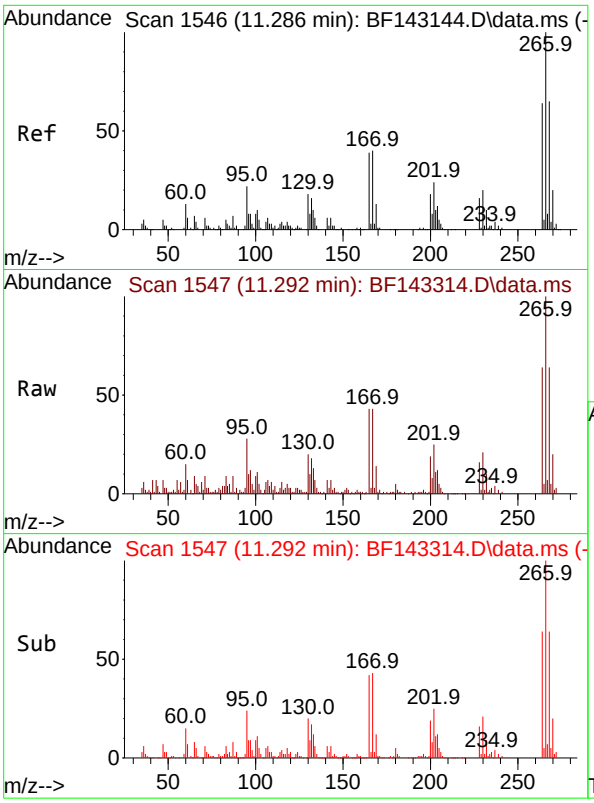


#69
Atrazine
Concen: 23.908 ng
RT: 11.175 min Scan# 1527
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:200 Resp: 64155

Ion	Ratio	Lower	Upper
200	100		
173	28.0	7.9	47.9
215	50.2	30.1	70.1



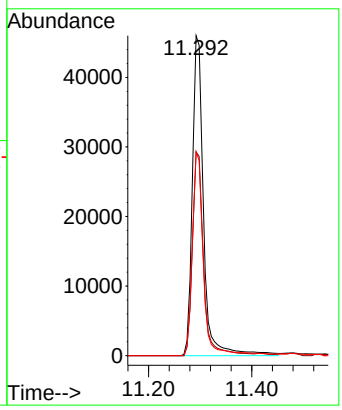


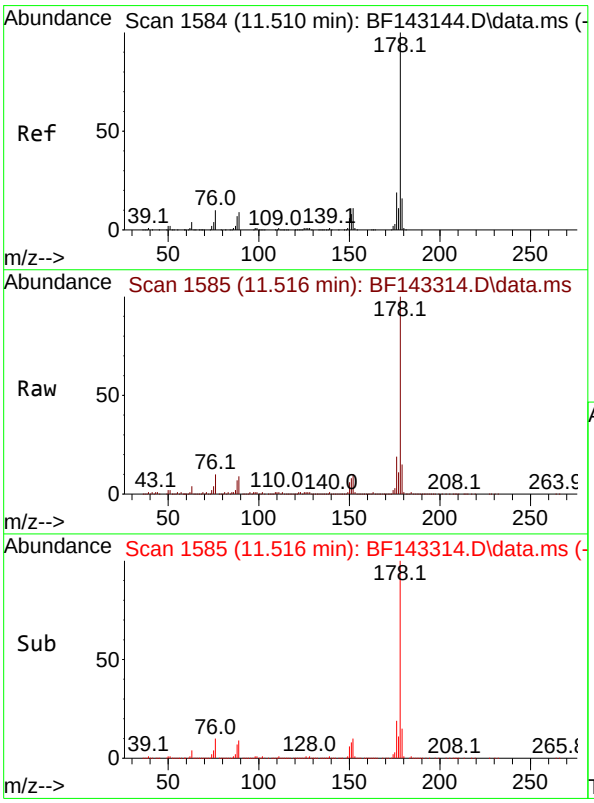
#70
Pentachlorophenol
Concen: 34.253 ng
RT: 11.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:266 Resp: 69356

Ion	Ratio	Lower	Upper
266	100		
268	63.7	51.9	77.9
264	63.7	51.0	76.6

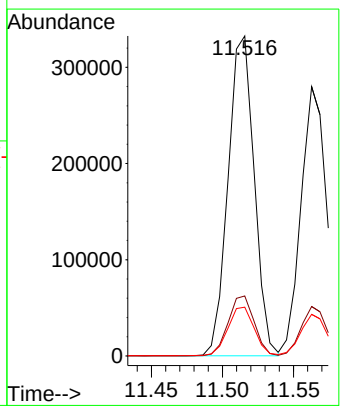


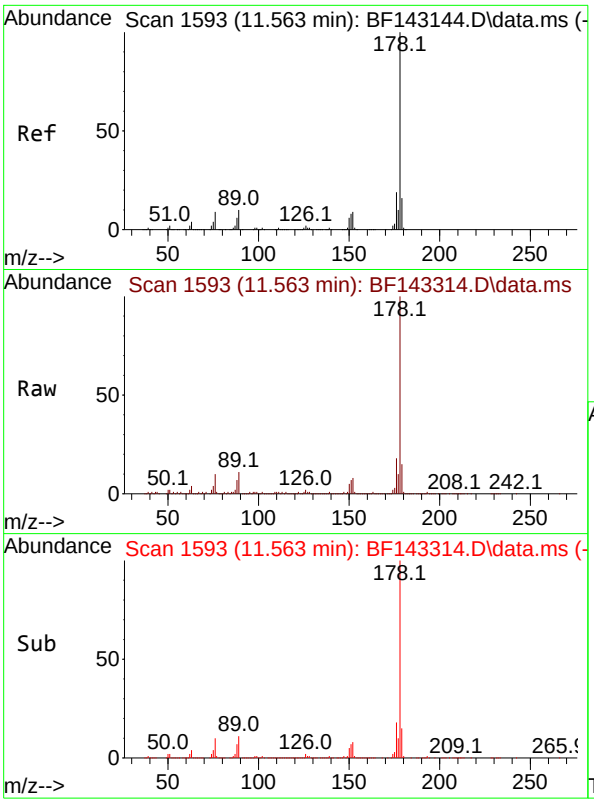


#71
Phenanthrene
Concen: 29.004 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:178 Resp: 425693

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.2	12.5	18.7



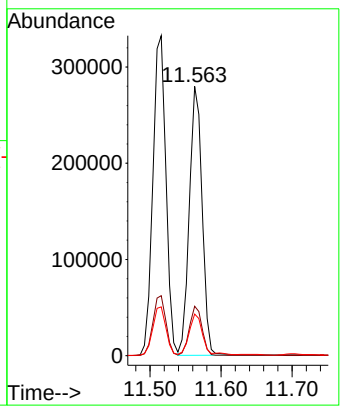


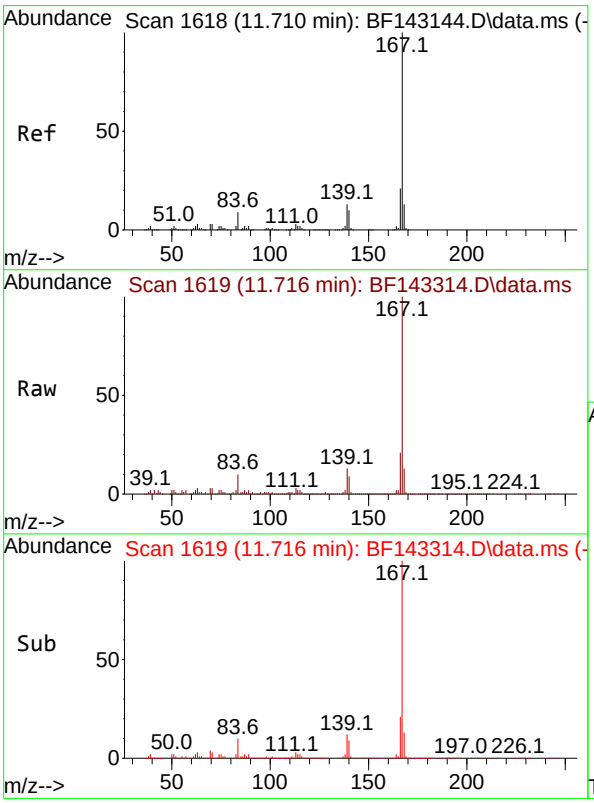
#72
Anthracene
Concen: 23.476 ng
RT: 11.563 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:178 Resp: 351413

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.4	12.5	18.7

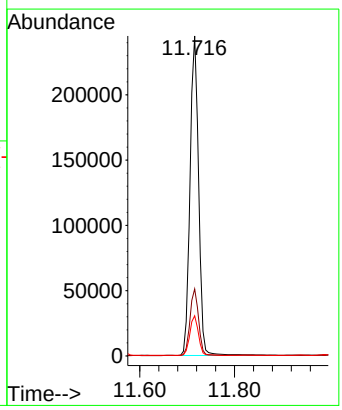


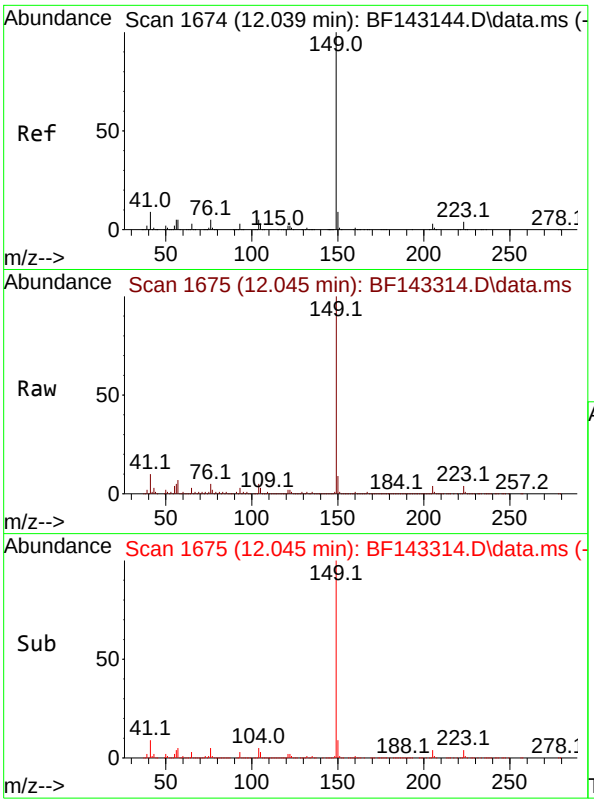


#73
Carbazole
Concen: 23.386 ng
RT: 11.716 min Scan# 1619
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:167 Resp: 305670

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.0	25.6
139	12.6	10.0	15.0



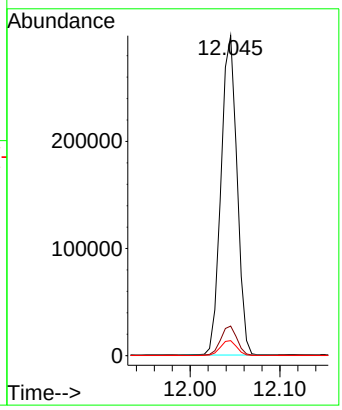


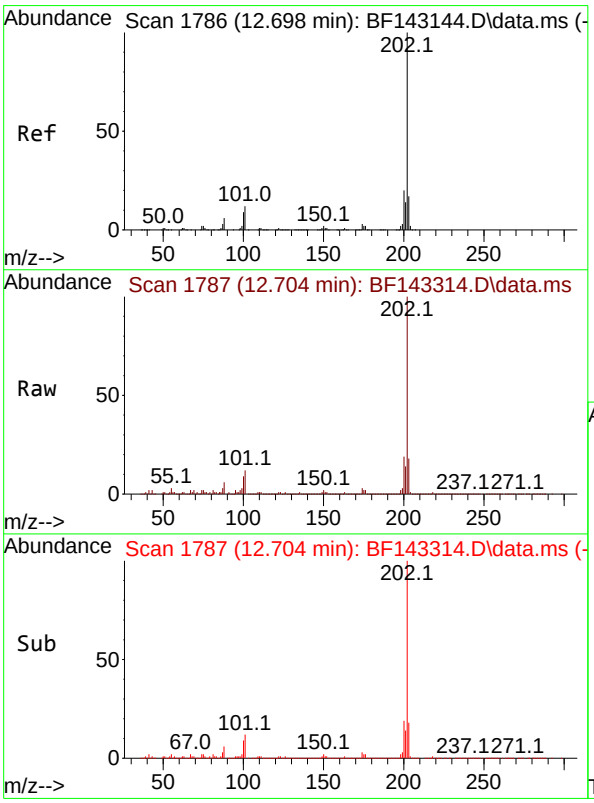
#74
Di-n-butylphthalate
Concen: 24.945 ng
RT: 12.045 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:149 Resp: 368926

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.7	3.8	5.8

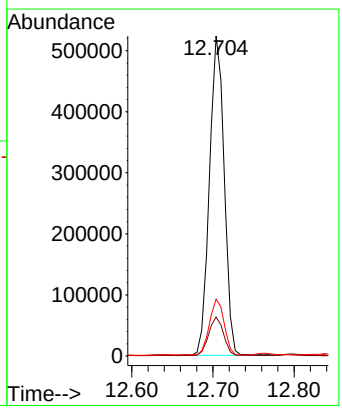


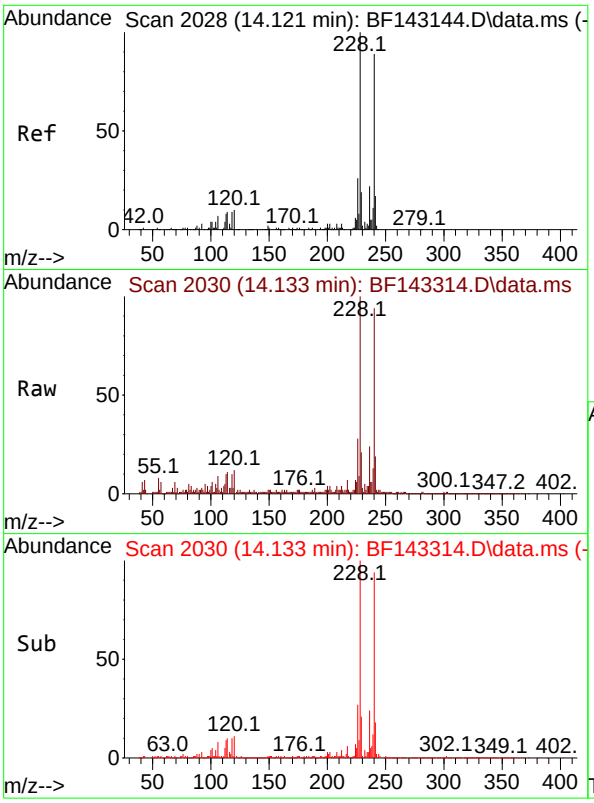


#75
Fluoranthene
Concen: 49.041 ng
RT: 12.704 min Scan# 1787
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:202 Resp: 660664

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	31.7
203	17.8	0.0	37.4



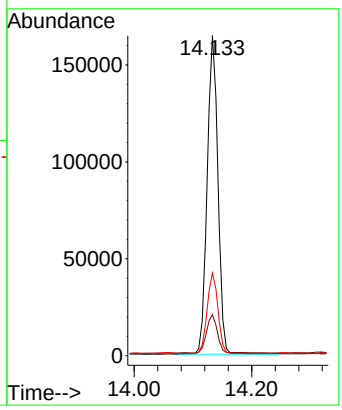


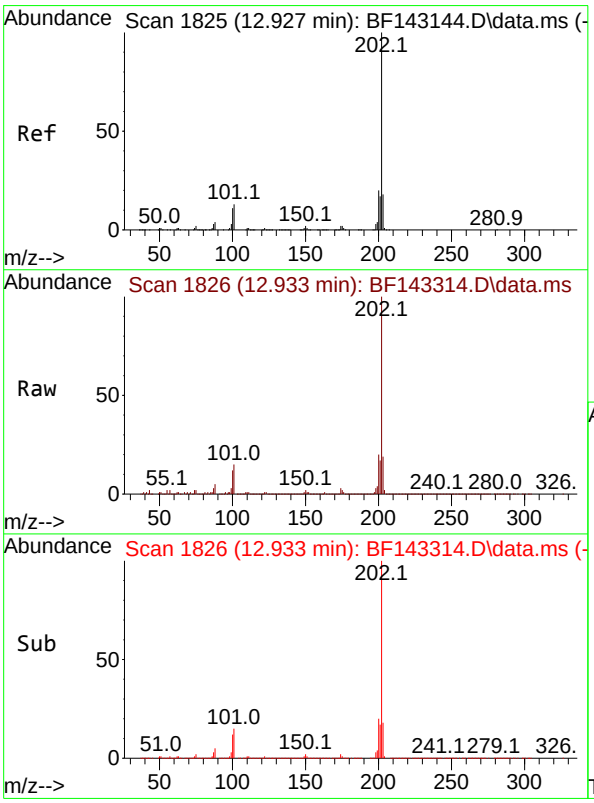
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:240 Resp: 209954

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.4	14.2
236	25.9	20.2	30.4

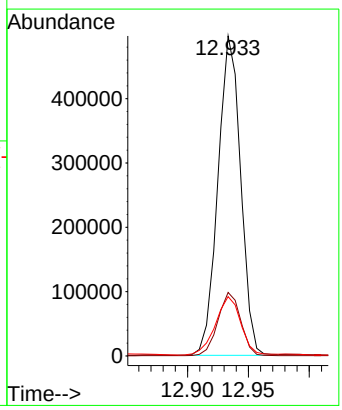


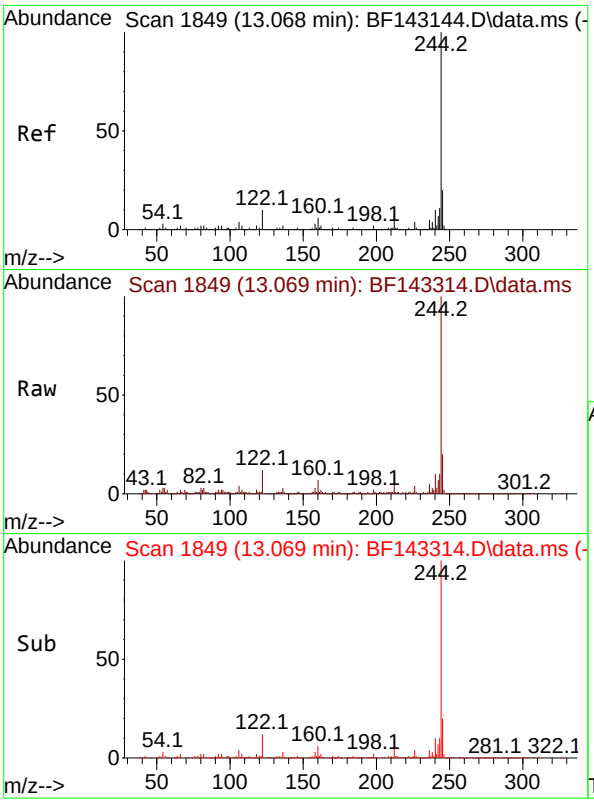


#78
Pyrene
Concen: 35.992 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:202 Resp: 644926

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	18.6	14.2	21.2



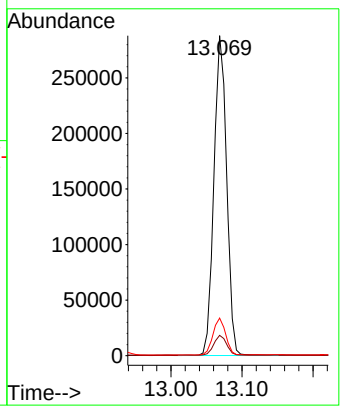


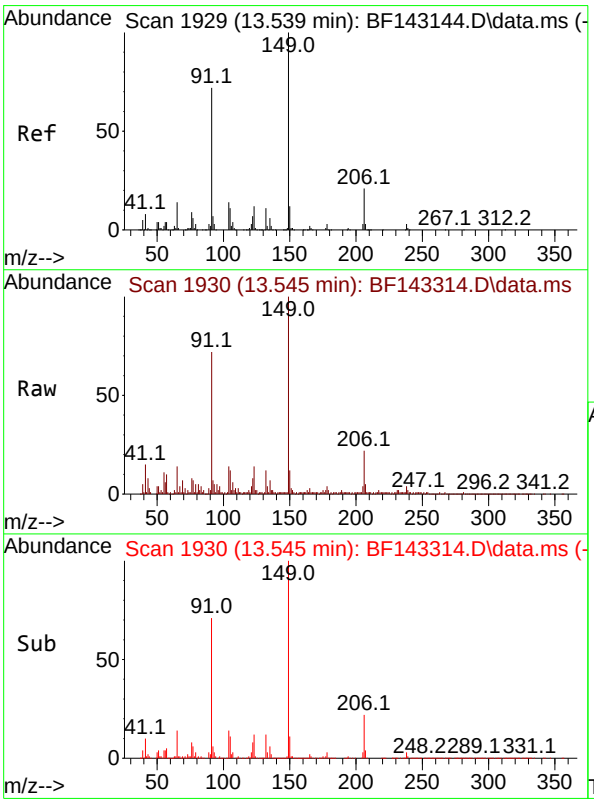
#79
Terphenyl-d14
Concen: 25.341 ng
RT: 13.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:244 Resp: 357534

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.8	8.2	12.2

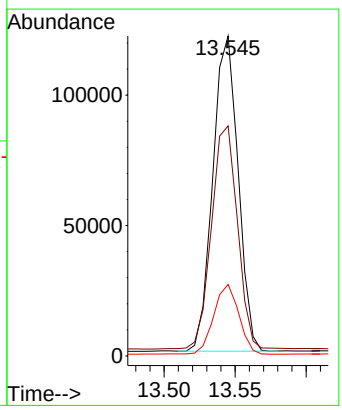


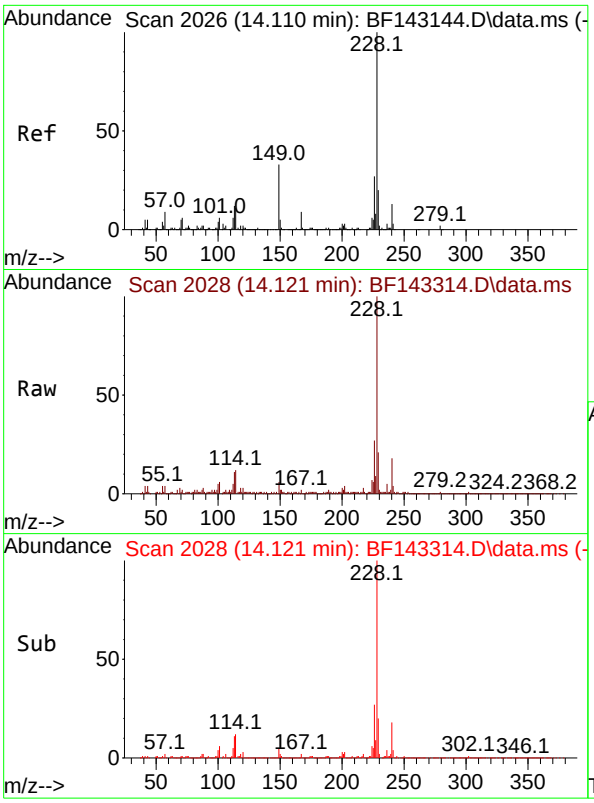


#80
Butylbenzylphthalate
Concen: 27.252 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:149 Resp: 149527

Ion	Ratio	Lower	Upper
149	100		
91	71.9	57.9	86.9
206	22.3	17.0	25.4



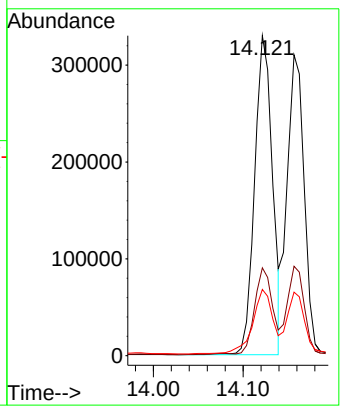


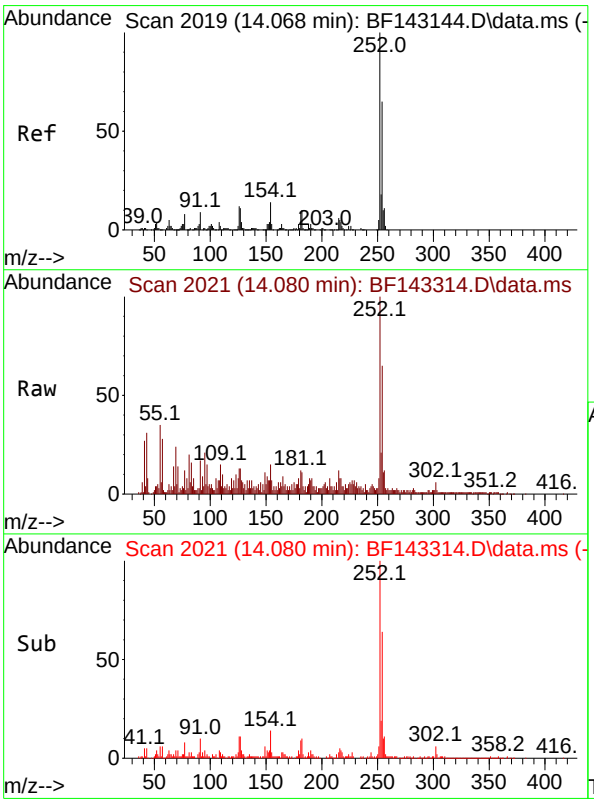
#81
Benzo(a)anthracene
Concen: 32.314 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:228 Resp: 454225

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.7	32.5
229	20.7	15.8	23.6

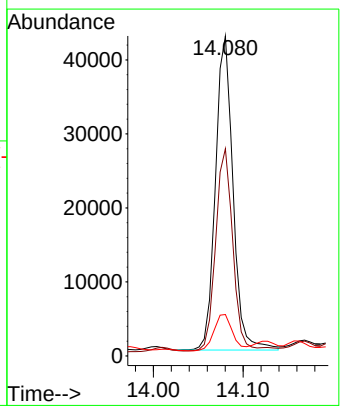


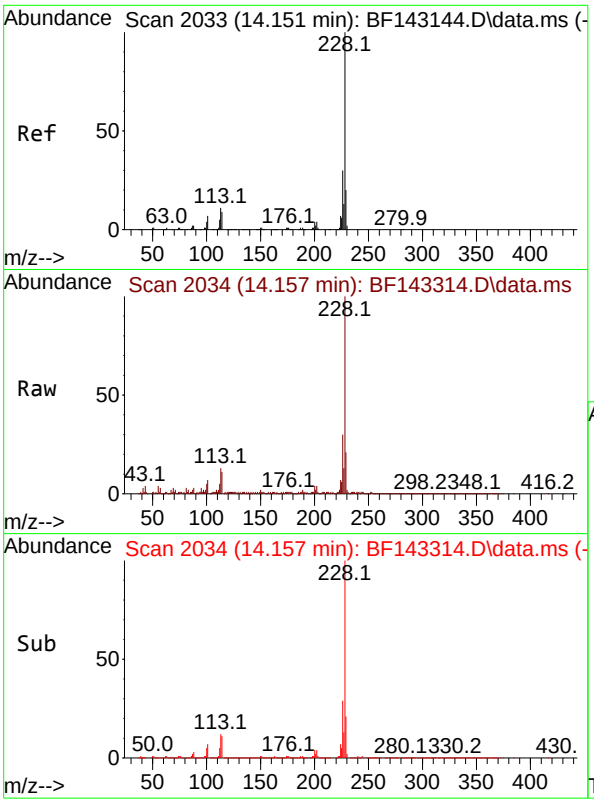


#82
3,3'-Dichlorobenzidine
Concen: 12.311 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 57677

Ion	Ratio	Lower	Upper
252	100		
254	64.7	51.7	77.5
126	13.0	9.4	14.0



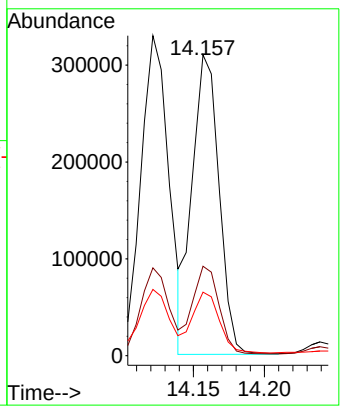


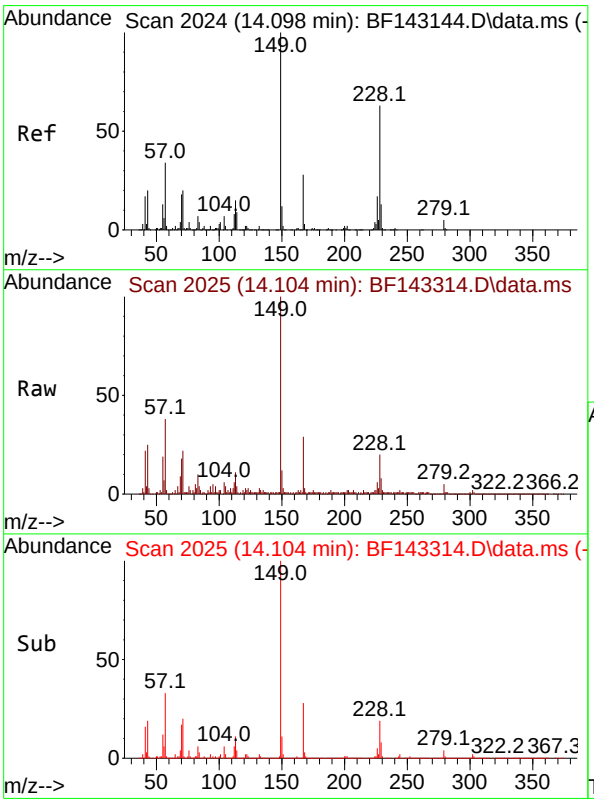
#83
Chrysene
Concen: 32.234 ng
RT: 14.157 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:228 Resp: 407381

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	21.1	15.6	23.4

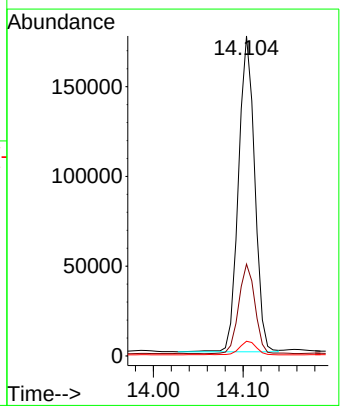


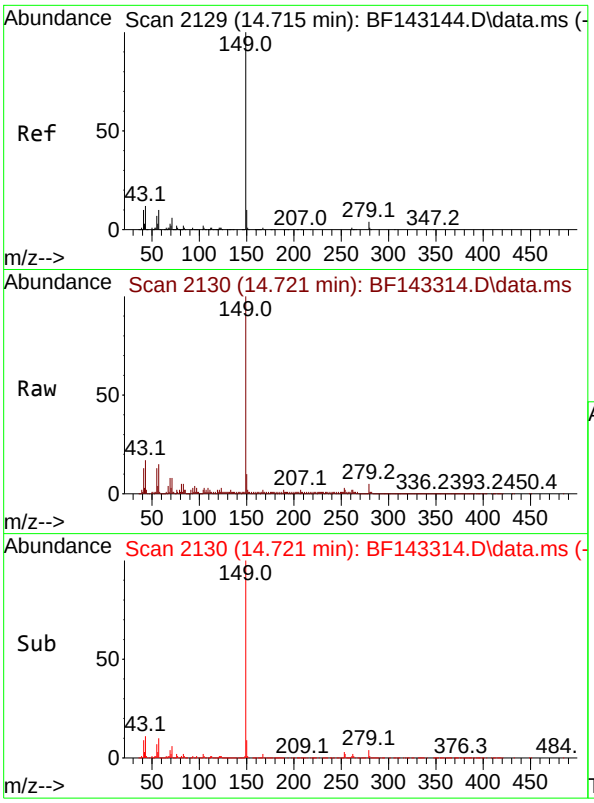


#84
Bis(2-ethylhexyl)phthalate
Concen: 26.468 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:149 Resp: 219811

Ion	Ratio	Lower	Upper
149	100		
167	28.7	22.3	33.5
279	4.6	3.6	5.4



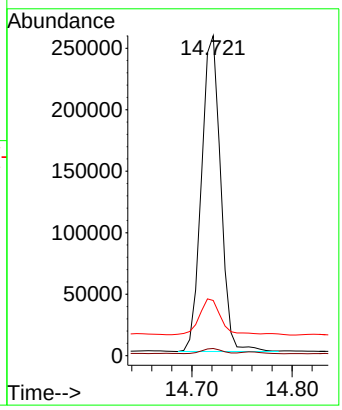


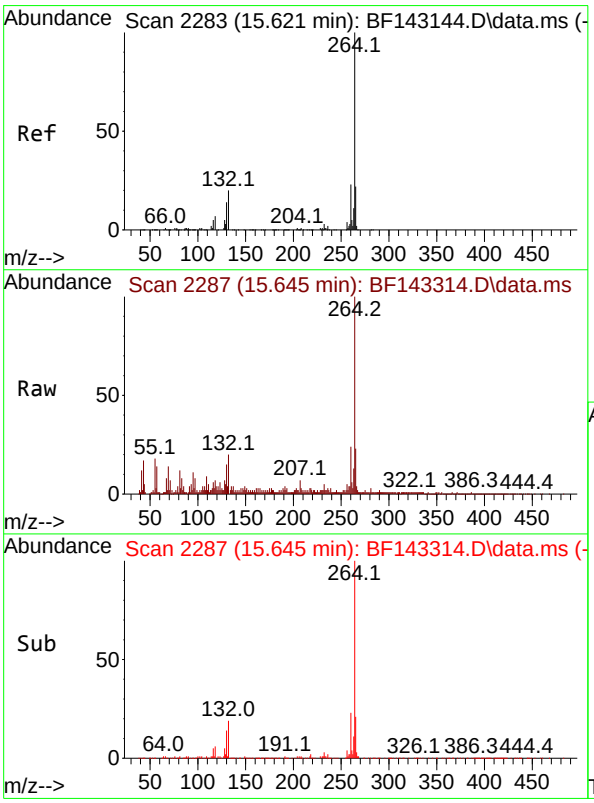
#85
Di-n-octyl phthalate
Concen: 22.761 ng
RT: 14.721 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:149 Resp: 342644

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.1	1.7#
43	12.5	9.7	14.5

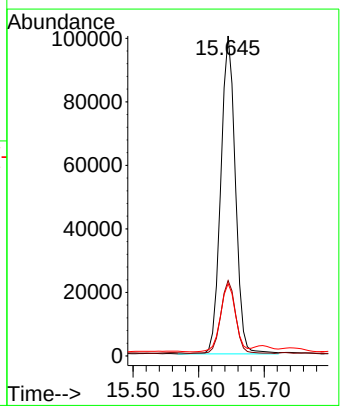


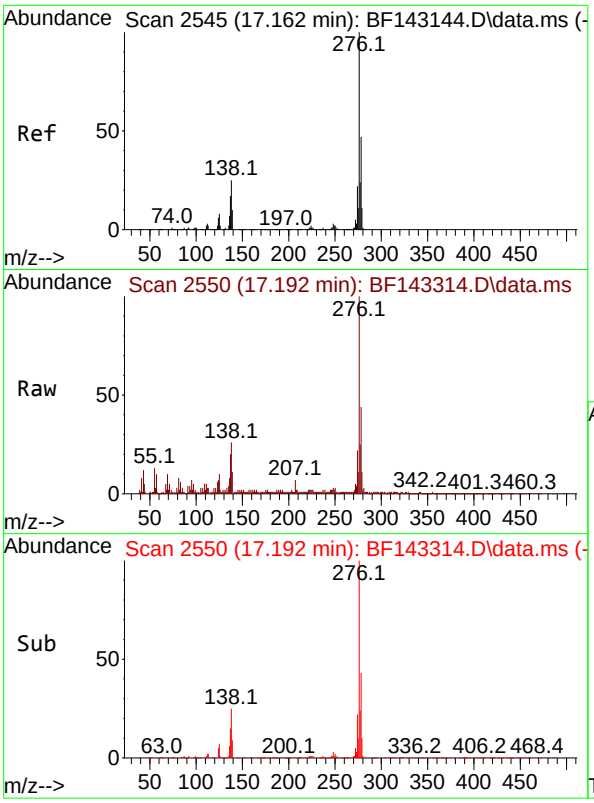


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:264 Resp: 154652

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.5	27.7
265	22.6	17.4	26.2



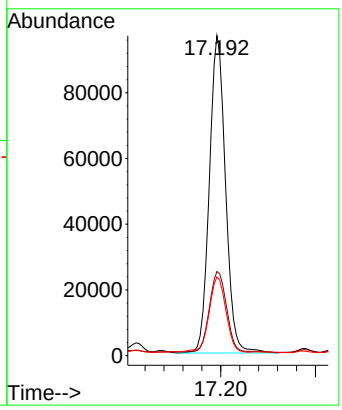


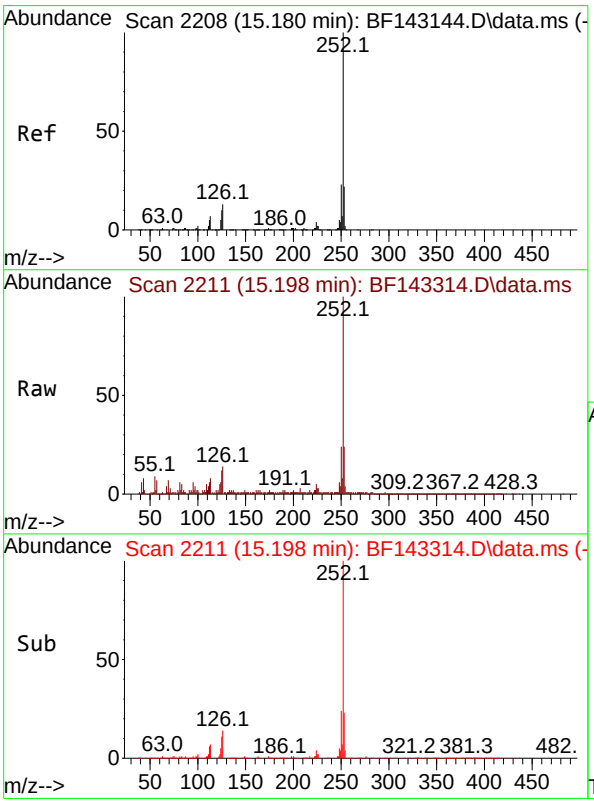
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.994 ng
RT: 17.192 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:276 Resp: 228945

Ion	Ratio	Lower	Upper
276	100		
138	26.6	21.8	32.6
277	24.5	20.0	30.0

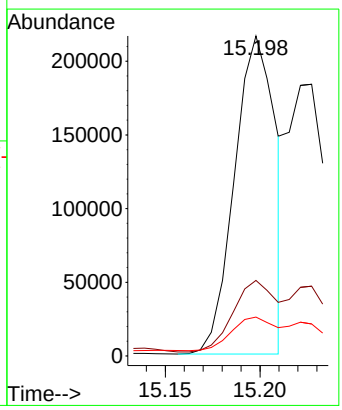


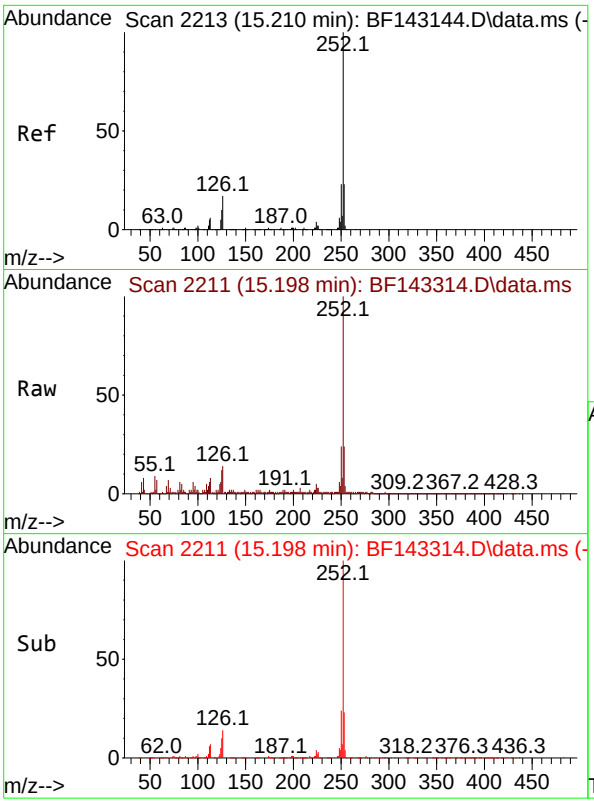


#88
Benzo(b)fluoranthene
Concen: 34.391 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 324920

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.5	26.3
125	12.2	8.0	12.0#



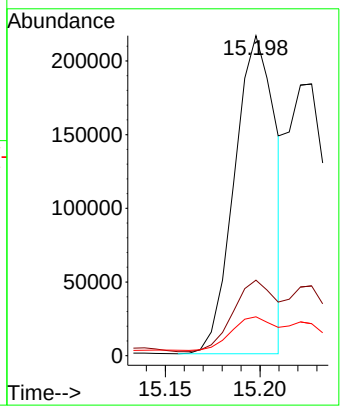


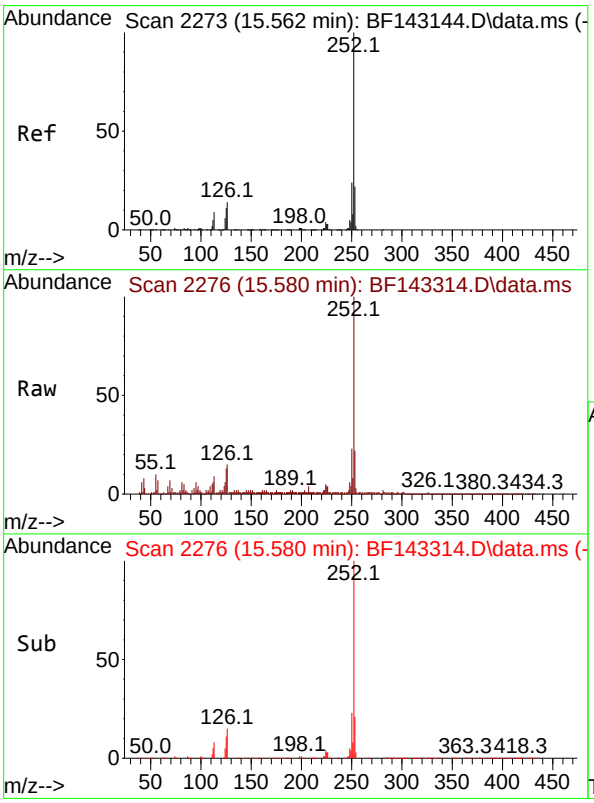
#89
Benzo(k)fluoranthene
Concen: 38.540 ng
RT: 15.198 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:252 Resp: 324920

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.6
125	12.2	8.1	12.1#

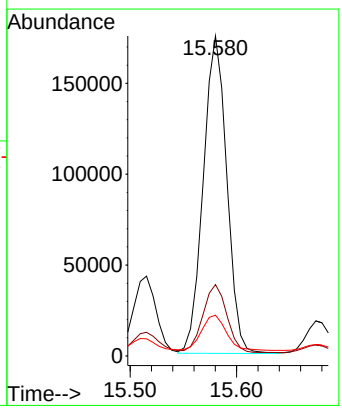


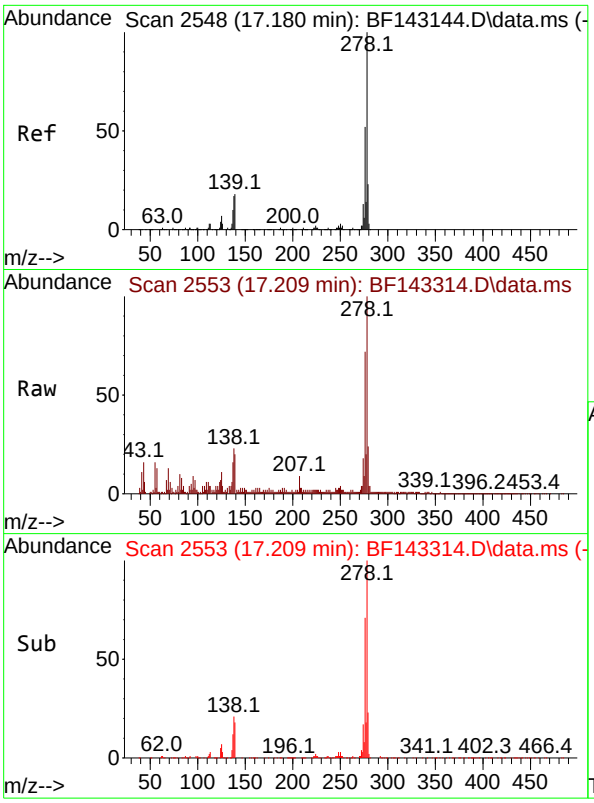


#90
Benzo(a)pyrene
Concen: 30.764 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:252 Resp: 267795

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.3	25.9
125	12.7	8.6	13.0



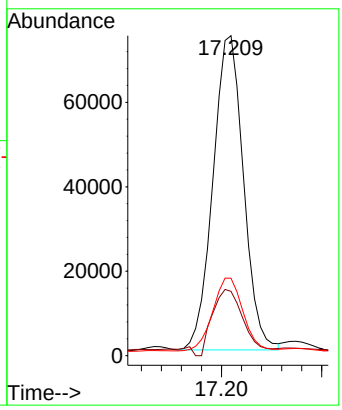


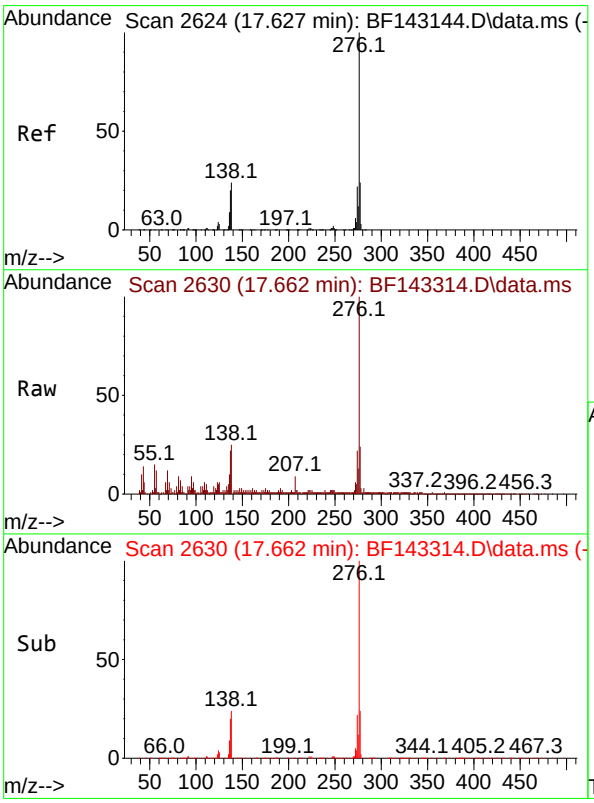
#91
Dibenzo(a,h)anthracene
Concen: 17.723 ng
RT: 17.209 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Instrument :
BNA_F
ClientSampleId :
VNJ-253MSD

Tgt Ion:278 Resp: 157308

Ion	Ratio	Lower	Upper
278	100		
139	20.1	14.1	21.1
279	24.2	18.6	28.0

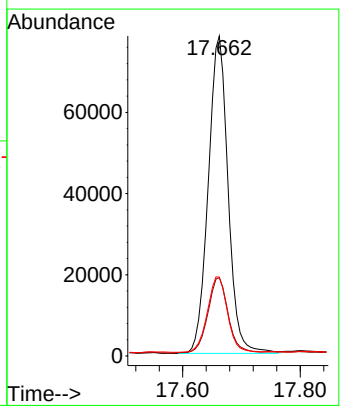




#92
Benzo(g,h,i)perylene
Concen: 21.337 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143314.D
Acq: 05 Aug 2025 14:28

Tgt Ion:276 Resp: 183201

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.1	28.7
138	24.7	18.9	28.3



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 06 11:56:13 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	6.969	152	115829	20.000	ng		0.00
21) Naphthalene-d8	8.245	136	403036	20.000	ng		0.00
39) Acenaphthene-d10	10.004	164	172118	20.000	ng		0.00
64) Phenanthrene-d10	11.492	188	266991	20.000	ng		0.00
76) Chrysene-d12	14.133	240	225915	20.000	ng		0.01
86) Perylene-d12	15.645	264	164343	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.598	112	598473	81.764	ng		0.01
7) Phenol-d6	6.598	99	720943	78.253	ng		0.01
23) Nitrobenzene-d5	7.528	82	692854	85.691	ng		0.00
42) 2,4,6-Tribromophenol	10.792	330	131149	73.759	ng		0.00
45) 2-Fluorobiphenyl	9.322	172	1083208	86.070	ng		0.00
79) Terphenyl-d14	13.074	244	1044774	68.820	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.787	88	148776	42.956	ng		99
3) Pyridine	3.575	79	365673	40.678	ng		99
4) n-Nitrosodimethylamine	3.510	42	191235	41.203	ng		96
6) Aniline	6.628	93	487661	37.980	ng		96
8) 2-Chlorophenol	6.757	128	304529	39.692	ng		97
9) Benzaldehyde	6.516	77	299235	43.315	ng		99
10) Phenol	6.610	94	408897	40.741	ng		92
11) bis(2-Chloroethyl)ether	6.693	93	311935	40.592	ng		99
12) 1,3-Dichlorobenzene	6.910	146	330958	39.709	ng		99
13) 1,4-Dichlorobenzene	6.987	146	332099	39.566	ng		99
14) 1,2-Dichlorobenzene	7.140	146	315356	39.503	ng		98
15) Benzyl Alcohol	7.104	79	272514	38.739	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	562635	39.468	ng		93
17) 2-Methylphenol	7.216	107	245244	38.016	ng		99
18) Hexachloroethane	7.481	117	92374	31.791	ng		99
19) n-Nitroso-di-n-propyla...	7.375	70	217374	36.776	ng		98
20) 3+4-Methylphenols	7.369	107	290249	37.084	ng	#	72
22) Acetophenone	7.369	105	396296	41.532	ng		95
24) Nitrobenzene	7.545	77	321496	42.649	ng		99
25) Isophorone	7.781	82	583128	40.854	ng		99
26) 2-Nitrophenol	7.857	139	81014	24.763	ng		98
27) 2,4-Dimethylphenol	7.898	122	260882	39.121	ng		98
28) bis(2-Chloroethoxy)met...	7.987	93	362892	42.404	ng		99
29) 2,4-Dichlorophenol	8.104	162	212334	37.756	ng		100
30) 1,2,4-Trichlorobenzene	8.187	180	241950	39.822	ng		100
31) Naphthalene	8.269	128	786998	39.649	ng		100
32) Benzoic acid	7.975	122	45338	15.945	ng		100
33) 4-Chloroaniline	8.310	127	320214	39.509	ng		100
34) Hexachlorobutadiene	8.387	225	150342	40.507	ng		100
35) Caprolactam	8.675	113	67702	39.838	ng		98
36) 4-Chloro-3-methylphenol	8.792	107	212318	34.734	ng		97
37) 2-Methylnaphthalene	8.957	142	450138	37.268	ng		100
38) 1-Methylnaphthalene	9.057	142	463577	37.272	ng		99
40) 1,2,4,5-Tetrachloroben...	9.128	216	218890	44.049	ng		98
41) Hexachlorocyclopentadiene	9.116	237	10105	3.125	ng		98
43) 2,4,6-Trichlorophenol	9.239	196	127779	37.154	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 06 11:56:13 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	9.281	196	129763	37.720 ng		98
46) 1,1'-Biphenyl	9.422	154	580633	43.239 ng		99
47) 2-Chloronaphthalene	9.451	162	411529	41.417 ng		99
48) 2-Nitroaniline	9.539	65	150901	48.428 ng		99
49) Acenaphthylene	9.863	152	669468	40.205 ng		100
50) Dimethylphthalate	9.716	163	495822	44.194 ng		100
51) 2,6-Dinitrotoluene	9.775	165	87635	38.398 ng		99
52) Acenaphthene	10.039	154	375398	38.143 ng		97
53) 3-Nitroaniline	9.945	138	131107	49.113 ng		98
54) 2,4-Dinitrophenol	10.057	184	443	7.056 ng	#	1
55) Dibenzofuran	10.210	168	571344	39.101 ng		98
56) 4-Nitrophenol	10.110	139	118907	59.649 ng		94
57) 2,4-Dinitrotoluene	10.181	165	104606	36.532 ng		94
58) Fluorene	10.551	166	423115	38.582 ng		99
59) 2,3,4,6-Tetrachlorophenol	10.328	232	104348	36.617 ng		97
60) Diethylphthalate	10.416	149	461013	41.574 ng		99
61) 4-Chlorophenyl-phenyle...	10.539	204	214710	39.319 ng		99
62) 4-Nitroaniline	10.557	138	119776	52.351 ng		98
63) Azobenzene	10.698	77	440989	38.157 ng		99
65) 4,6-Dinitro-2-methylph...	10.592	198	1441	6.326 ng	#	64
66) n-Nitrosodiphenylamine	10.657	169	376391	40.035 ng		99
67) 4-Bromophenyl-phenylether	11.033	248	123055	38.674 ng		96
68) Hexachlorobenzene	11.104	284	123569	37.156 ng		99
69) Atrazine	11.180	200	97197	37.500 ng		99
70) Pentachlorophenol	11.298	266	58301	29.810 ng		100
71) Phenanthrene	11.516	178	566802	39.982 ng		99
72) Anthracene	11.569	178	590204	40.821 ng		99
73) Carbazole	11.716	167	564156	44.686 ng		100
74) Di-n-butylphthalate	12.045	149	658512	46.098 ng		99
75) Fluoranthene	12.704	202	656053	50.419 ng		99
77) Benzidine	12.822	184	221504	25.449 ng		99
78) Pyrene	12.939	202	671894	34.848 ng		99
80) Butylbenzylphthalate	13.545	149	291998	49.458 ng		99
81) Benzo(a)anthracene	14.121	228	606515	40.100 ng		99
82) 3,3'-Dichlorobenzidine	14.080	252	192778	38.242 ng		99
83) Chrysene	14.163	228	515742	37.926 ng		100
84) Bis(2-ethylhexyl)phtha...	14.104	149	418675	46.851 ng		99
85) Di-n-octyl phthalate	14.721	149	678536	41.890 ng		100
87) Indeno(1,2,3-cd)pyrene	17.198	276	386942	33.390 ng		99
88) Benzo(b)fluoranthene	15.198	252	419253	41.759 ng		99
89) Benzo(k)fluoranthene	15.227	252	420715	46.960 ng		99
90) Benzo(a)pyrene	15.580	252	373155	40.340 ng		98
91) Dibenzo(a,h)anthracene	17.209	278	315027	33.399 ng		99
92) Benzo(g,h,i)perylene	17.662	276	306065	33.545 ng		98

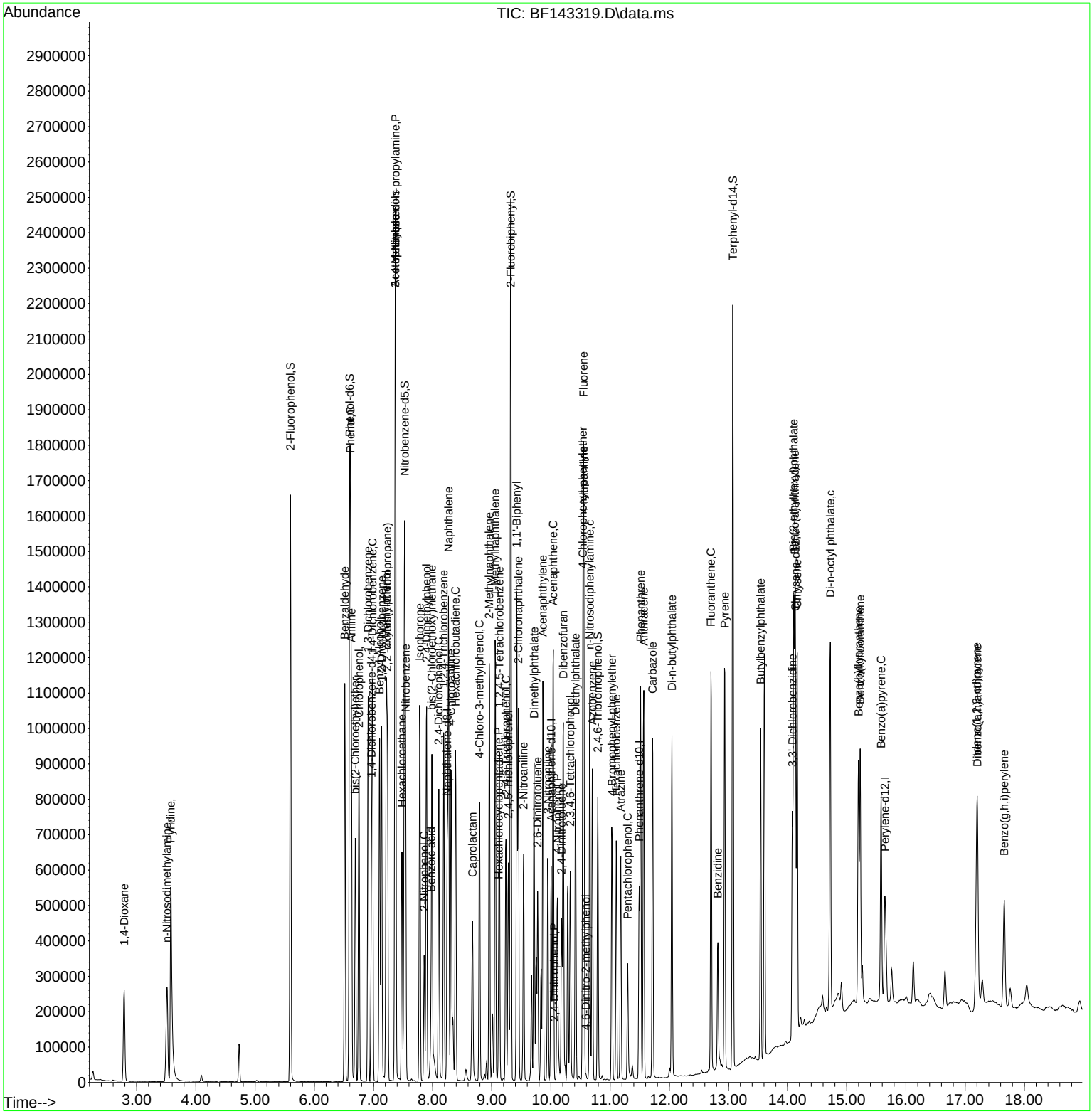
(#) = qualifier out of range (m) = manual integration (+) = signals summed

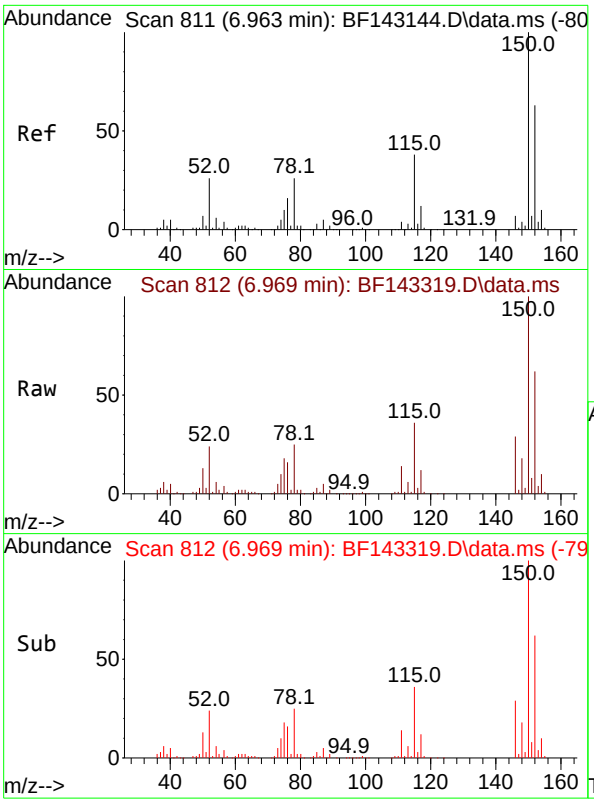
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080525\
Data File : BF143319.D
Acq On : 05 Aug 2025 16:54
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Aug 06 11:56:13 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



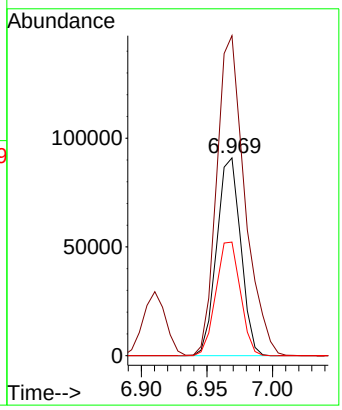


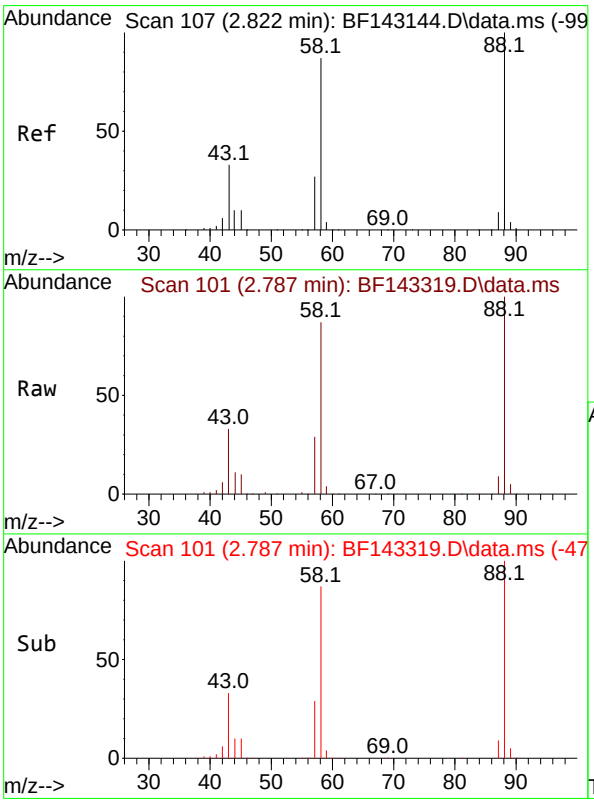
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 115829

Ion	Ratio	Lower	Upper
152	100		
150	161.8	128.2	192.4
115	57.5	47.9	71.9

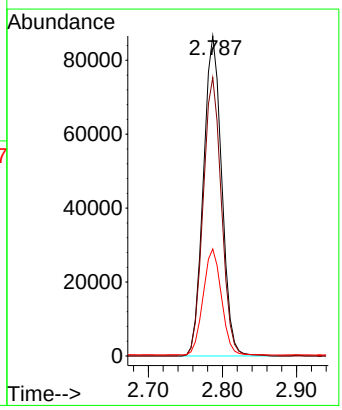


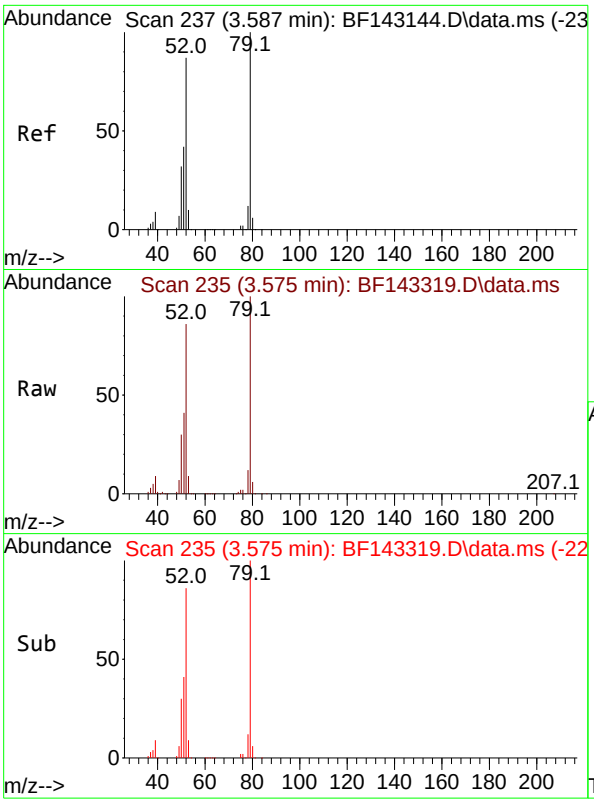


#2
1,4-Dioxane
Concen: 42.956 ng
RT: 2.787 min Scan# 101
Delta R.T. -0.035 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 88 Resp: 148776

Ion	Ratio	Lower	Upper
88	100		
58	86.9	70.2	105.2
43	33.1	27.1	40.7



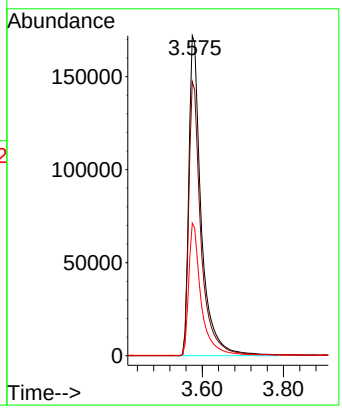


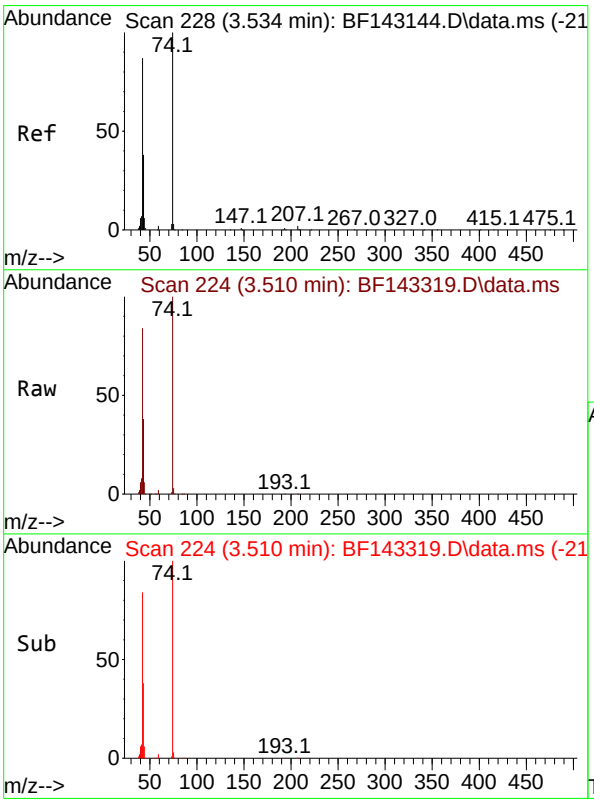
#3
Pyridine
Concen: 40.678 ng
RT: 3.575 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 365673

Ion	Ratio	Lower	Upper
79	100		
52	85.6	69.4	104.2
51	41.4	33.5	50.3

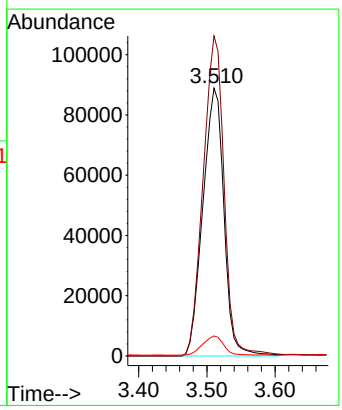


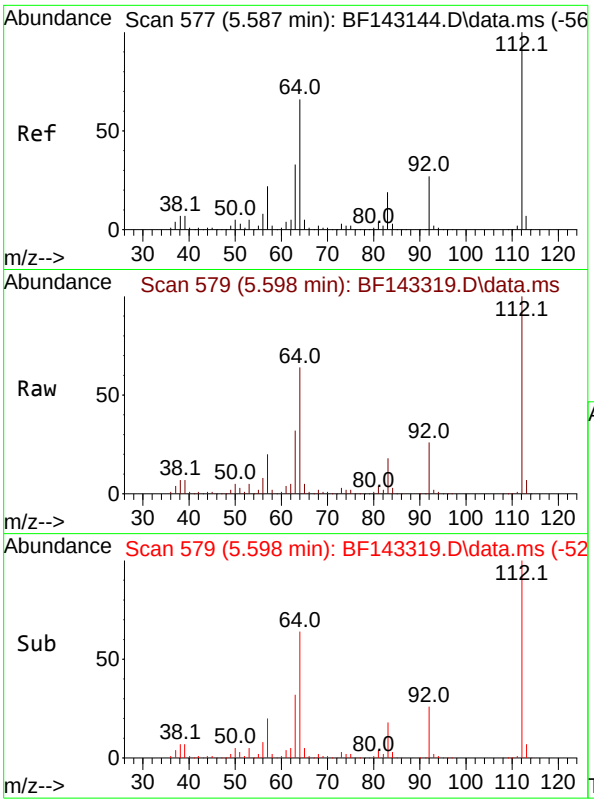


#4
n-Nitrosodimethylamine
Concen: 41.203 ng
RT: 3.510 min Scan# 224
Delta R.T. -0.023 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 42 Resp: 191235

Ion	Ratio	Lower	Upper
42	100		
74	119.4	91.7	137.5
44	7.4	5.6	8.4



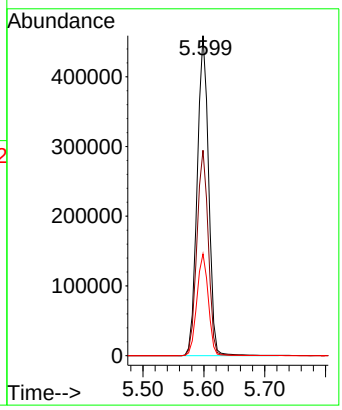


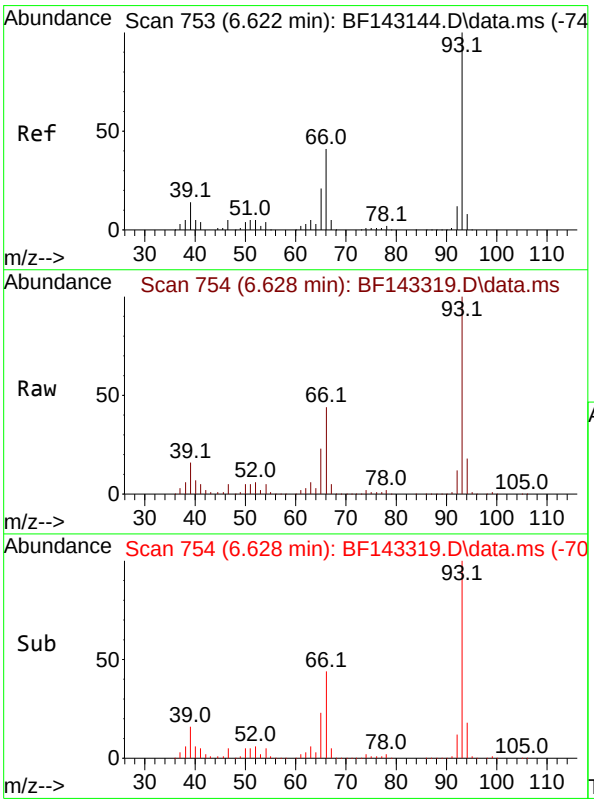
#5
2-Fluorophenol
Concen: 81.764 ng
RT: 5.598 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 598473

Ion	Ratio	Lower	Upper
112	100		
64	64.2	53.1	79.7
63	31.8	26.6	40.0

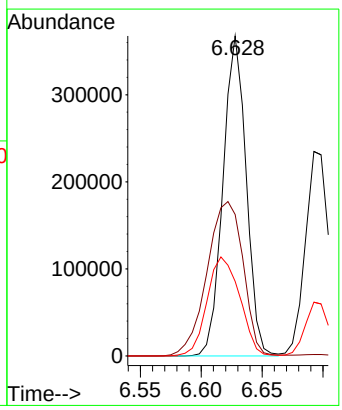


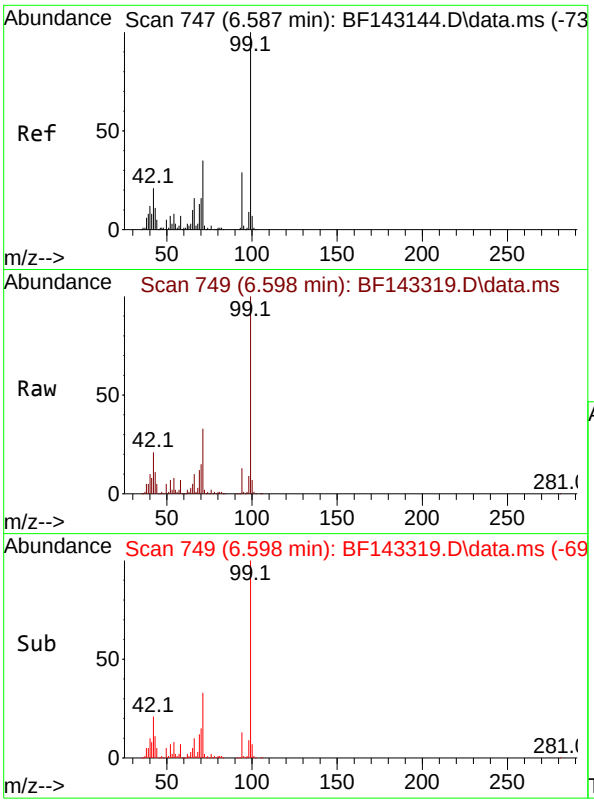


#6
Aniline
Concen: 37.980 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 93 Resp: 487661

Ion	Ratio	Lower	Upper
93	100		
66	44.2	33.2	49.8
65	23.3	16.9	25.3



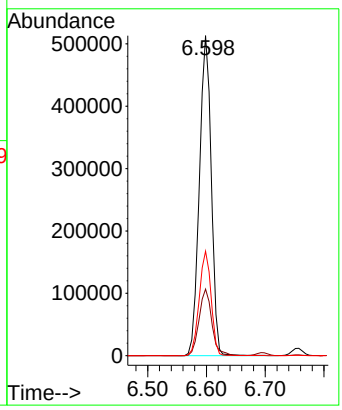


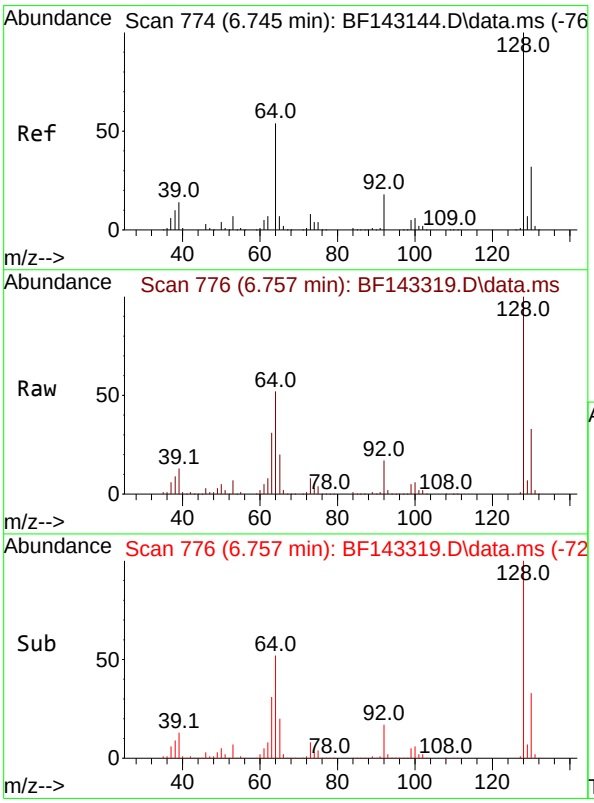
#7
Phenol-d6
Concen: 78.253 ng
RT: 6.598 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 720943

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.6
71	32.6	27.7	41.5

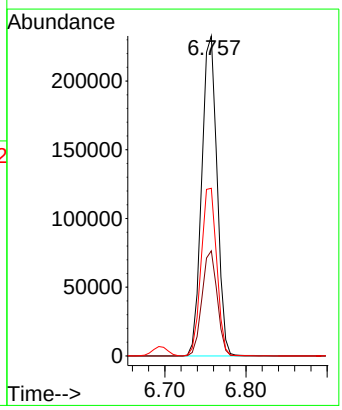


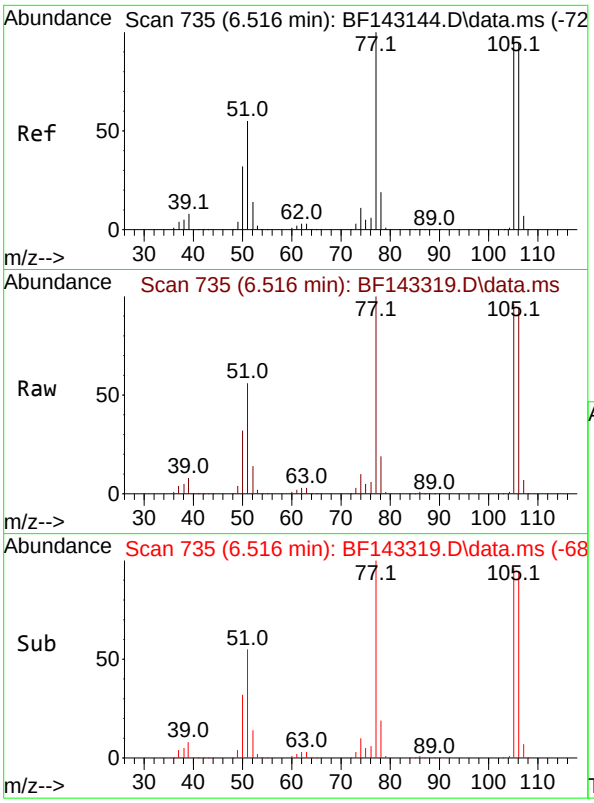


#8
2-Chlorophenol
Concen: 39.692 ng
RT: 6.757 min Scan# 776
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:128 Resp: 304529

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.3	52.3
64	52.4	35.9	75.9



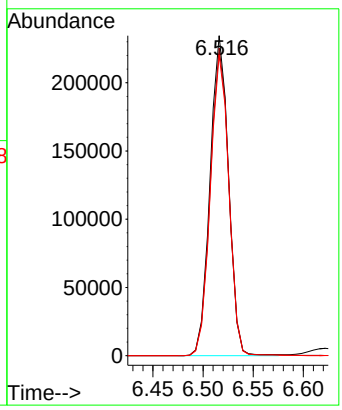


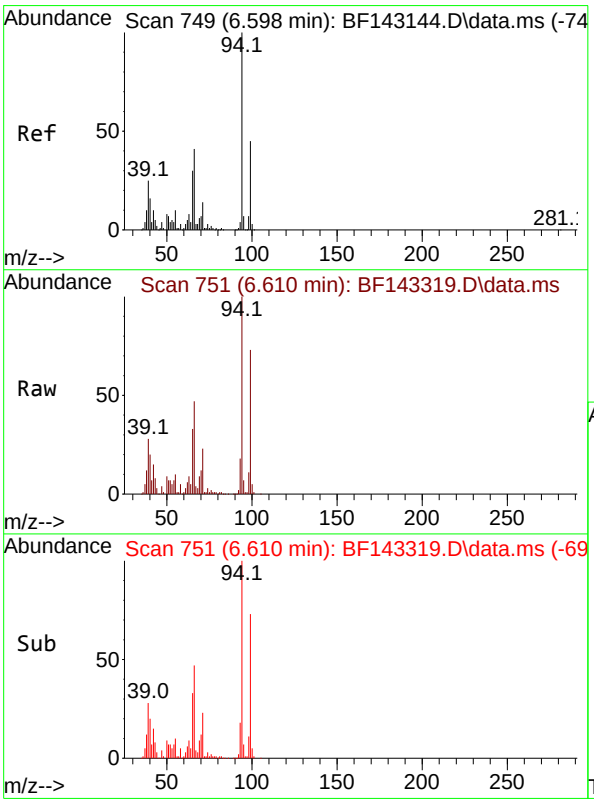
#9
Benzaldehyde
Concen: 43.315 ng
RT: 6.516 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 299235

Ion	Ratio	Lower	Upper
77	100		
105	96.1	76.8	116.8
106	94.1	74.4	114.4

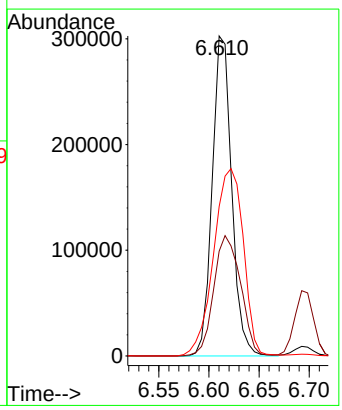


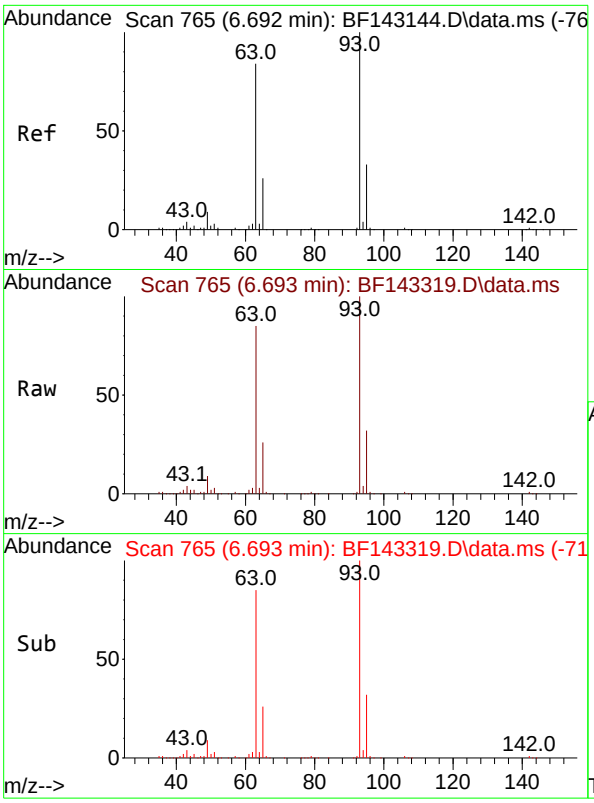


#10
Phenol
Concen: 40.741 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 94 Resp: 408897

Ion	Ratio	Lower	Upper
94	100		
65	32.7	10.0	50.0
66	46.7	20.8	60.8



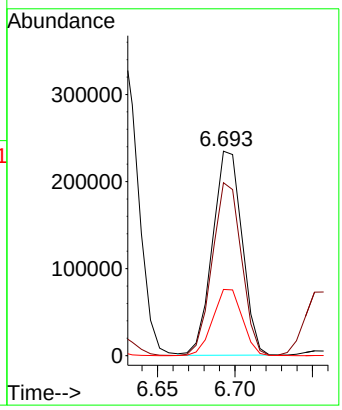


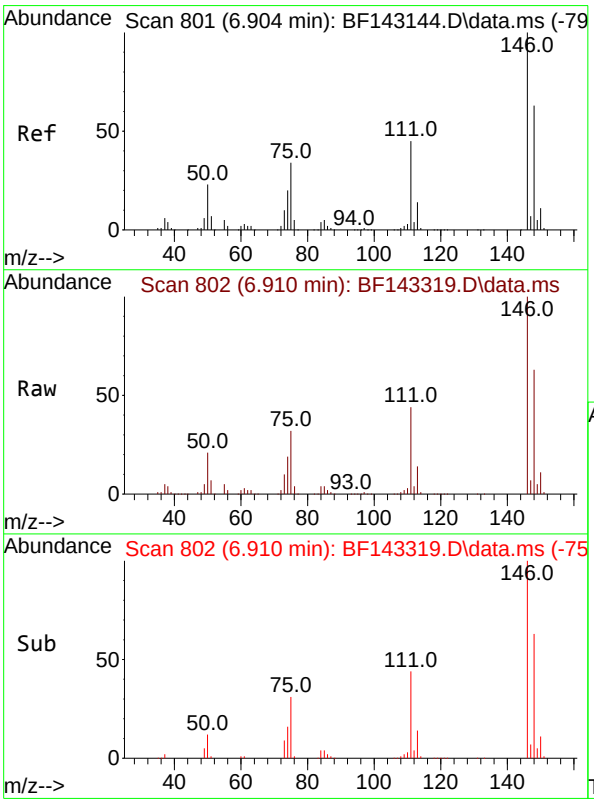
#11
bis(2-Chloroethyl)ether
Concen: 40.592 ng
RT: 6.693 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 311935

Ion	Ratio	Lower	Upper
93	100		
63	84.6	63.4	103.4
95	32.4	12.4	52.4

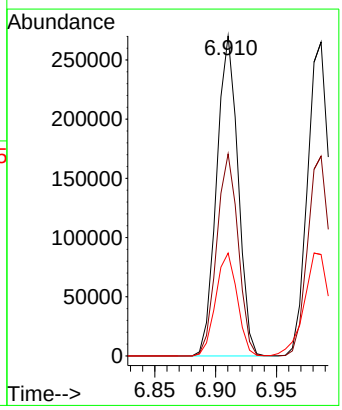


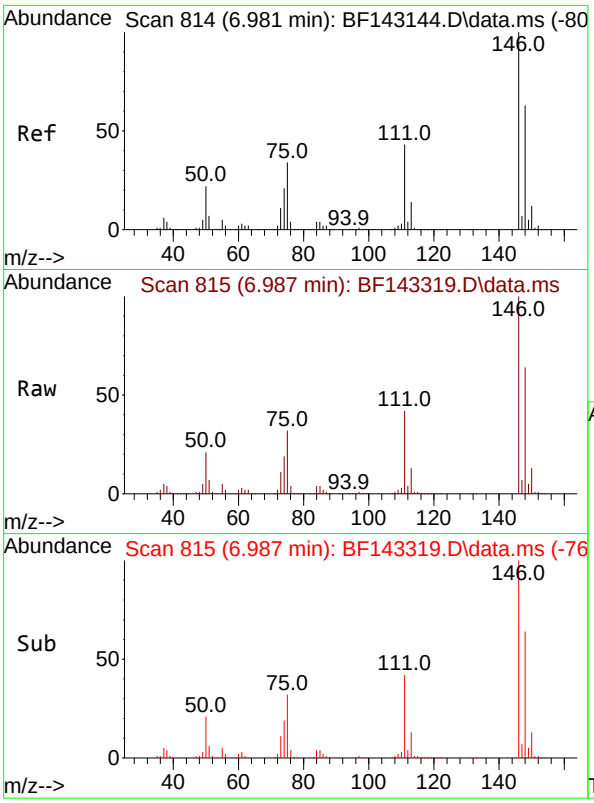


#12
1,3-Dichlorobenzene
Concen: 39.709 ng
RT: 6.910 min Scan# 802
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:146 Resp: 330958

Ion	Ratio	Lower	Upper
146	100		
148	63.2	50.6	76.0
75	32.2	27.4	41.2



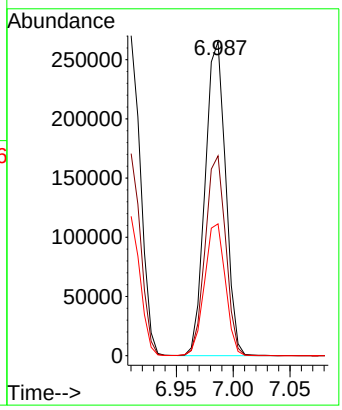


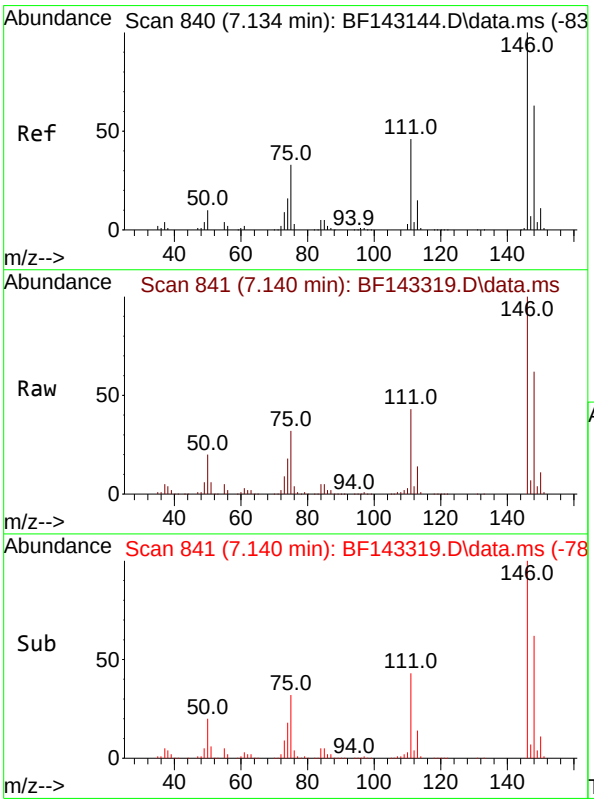
#13
1,4-Dichlorobenzene
Concen: 39.566 ng
RT: 6.987 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 332099

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.3	75.5
111	42.0	34.4	51.6

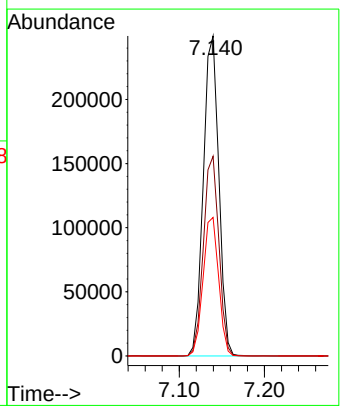


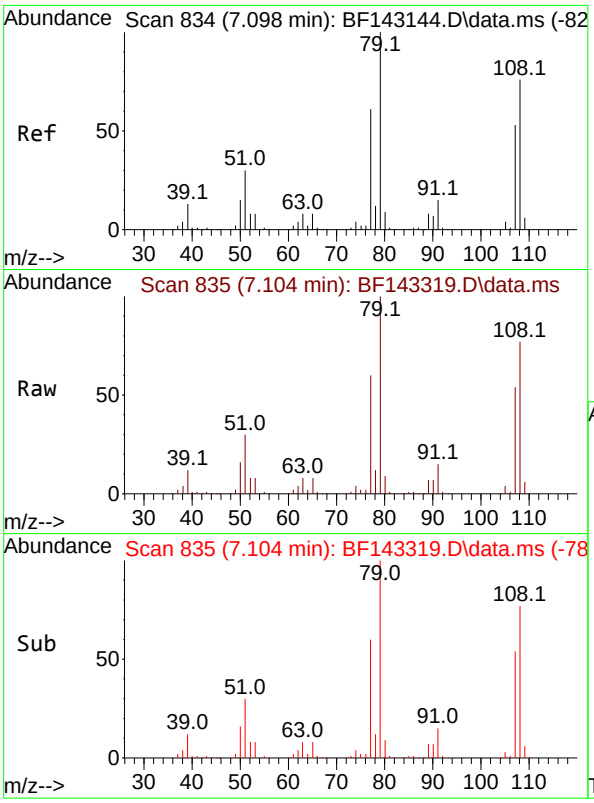


#14
1,2-Dichlorobenzene
Concen: 39.503 ng
RT: 7.140 min Scan# 841
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:146 Resp: 315356

Ion	Ratio	Lower	Upper
146	100		
148	62.4	50.7	76.1
111	43.3	36.6	54.8



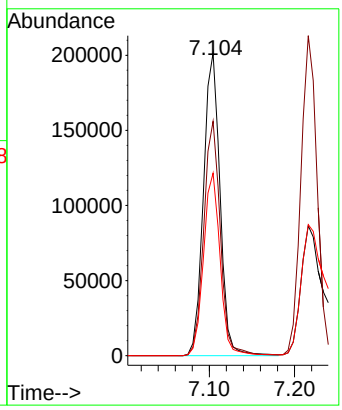


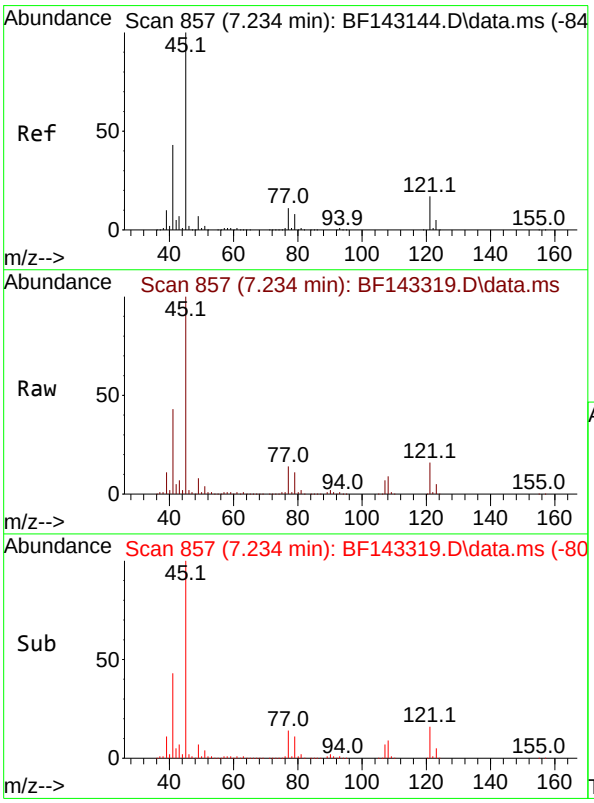
#15
Benzyl Alcohol
Concen: 38.739 ng
RT: 7.104 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 272514

Ion	Ratio	Lower	Upper
79	100		
108	77.4	61.1	91.7
77	60.3	48.9	73.3

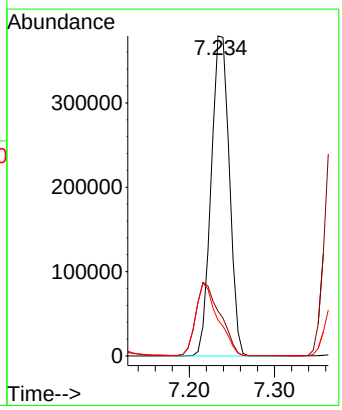


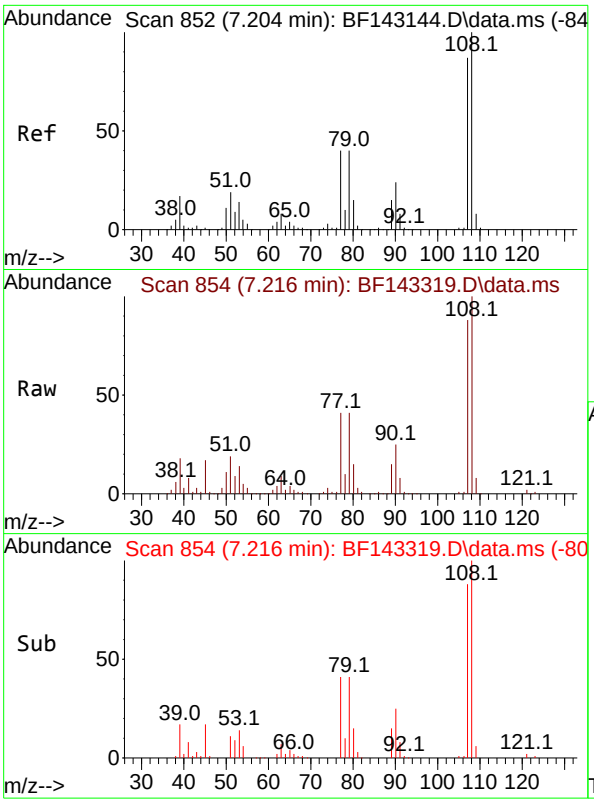


#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.468 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 45 Resp: 562635

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	31.2
79	11.2	0.0	28.5



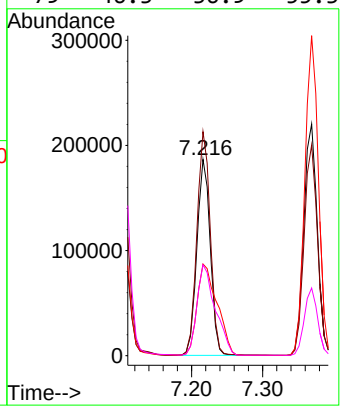


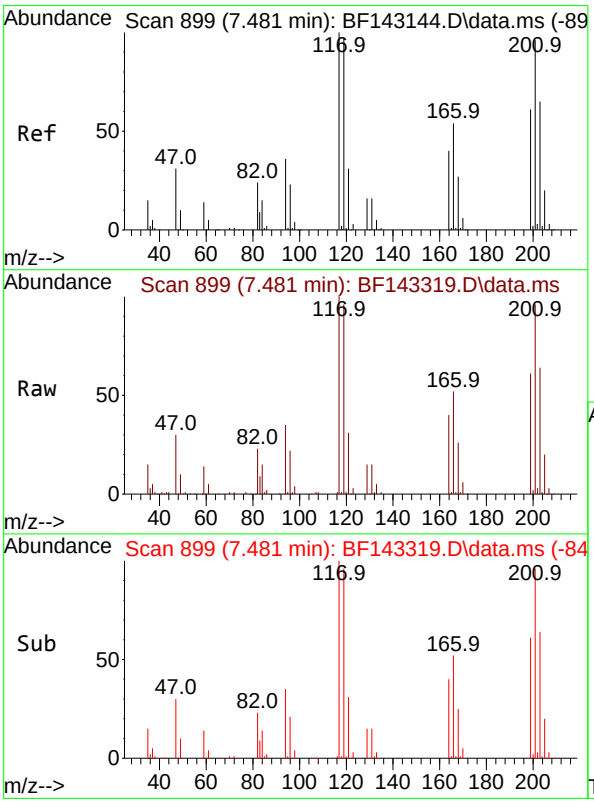
#17
2-Methylphenol
Concen: 38.016 ng
RT: 7.216 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 245244

Ion	Ratio	Lower	Upper
107	100		
108	114.1	91.8	137.6
77	46.7	37.0	55.6
79	46.3	36.9	55.3

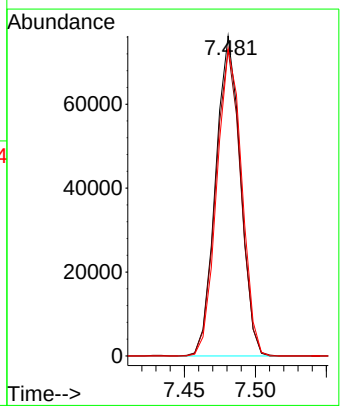


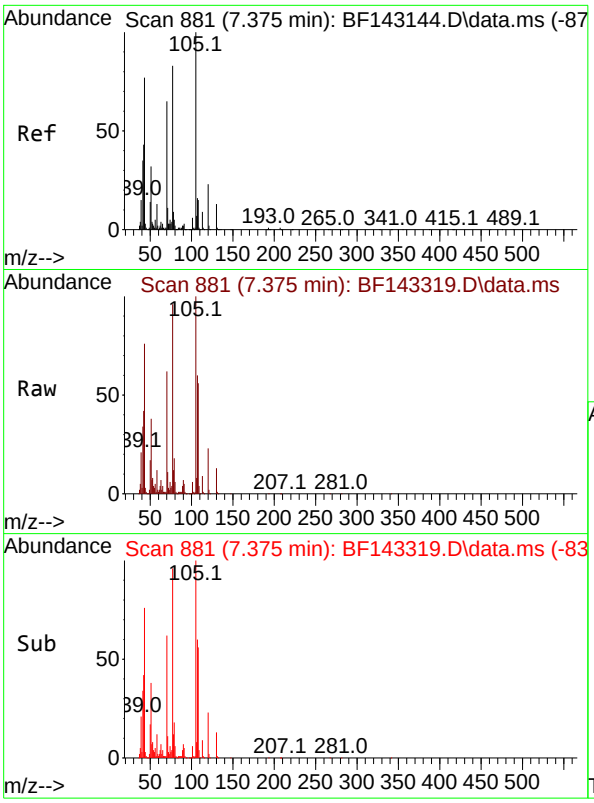


#18
Hexachloroethane
Concen: 31.791 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:117 Resp: 92374

Ion	Ratio	Lower	Upper
117	100		
119	95.8	77.8	116.8
201	96.0	77.0	115.4



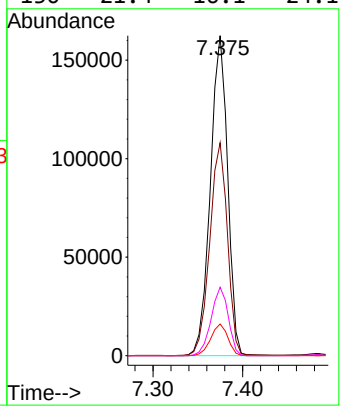


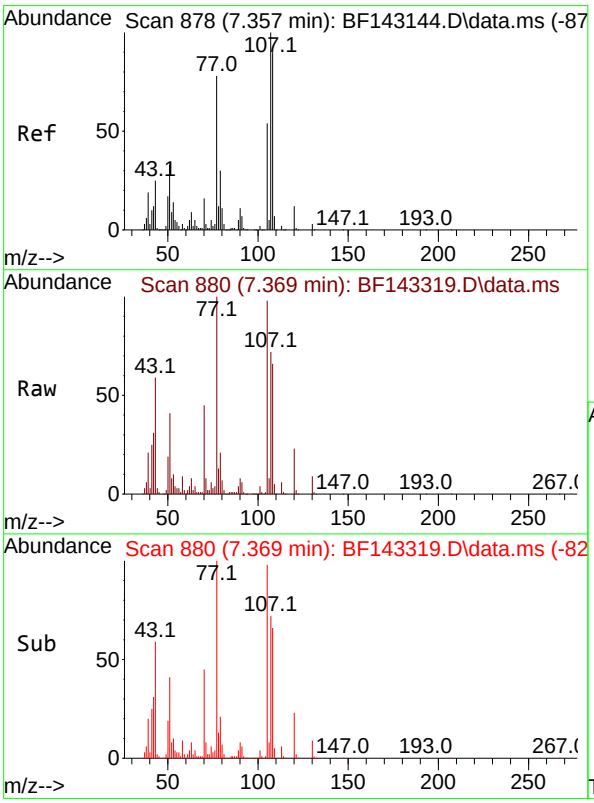
#19
n-Nitroso-di-n-propylamine
Concen: 36.776 ng
RT: 7.375 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 217374

Ion	Ratio	Lower	Upper
70	100		
42	66.5	52.5	78.7
101	9.9	7.6	11.4
130	21.4	16.1	24.1

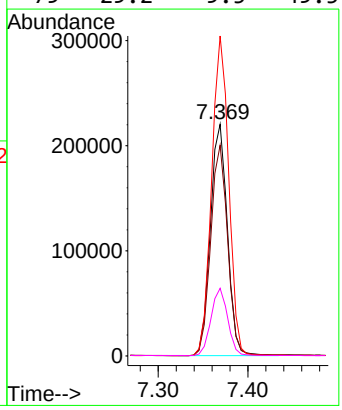


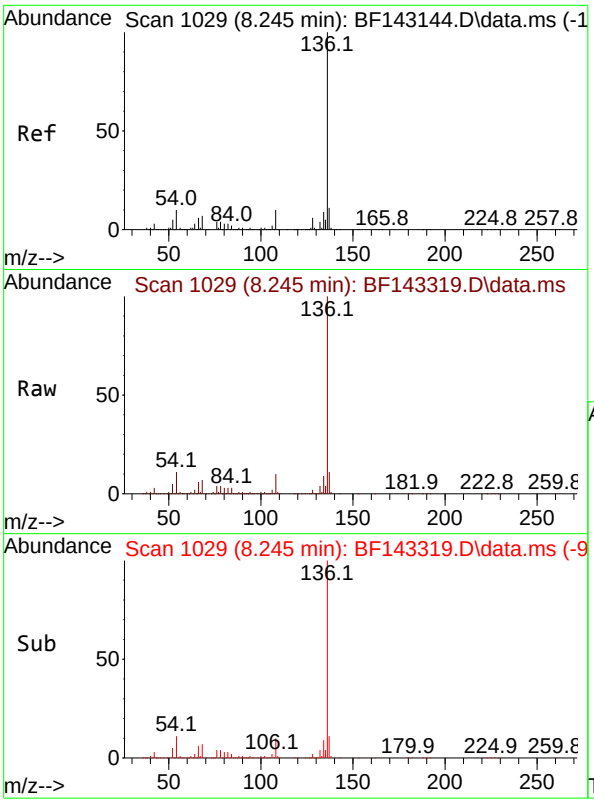


#20
3+4-Methylphenols
Concen: 37.084 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:107 Resp: 290249

Ion	Ratio	Lower	Upper
107	100		
108	90.9	70.0	110.0
77	138.1	57.8	97.8#
79	29.2	9.5	49.5



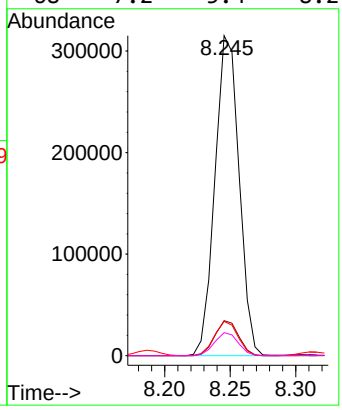


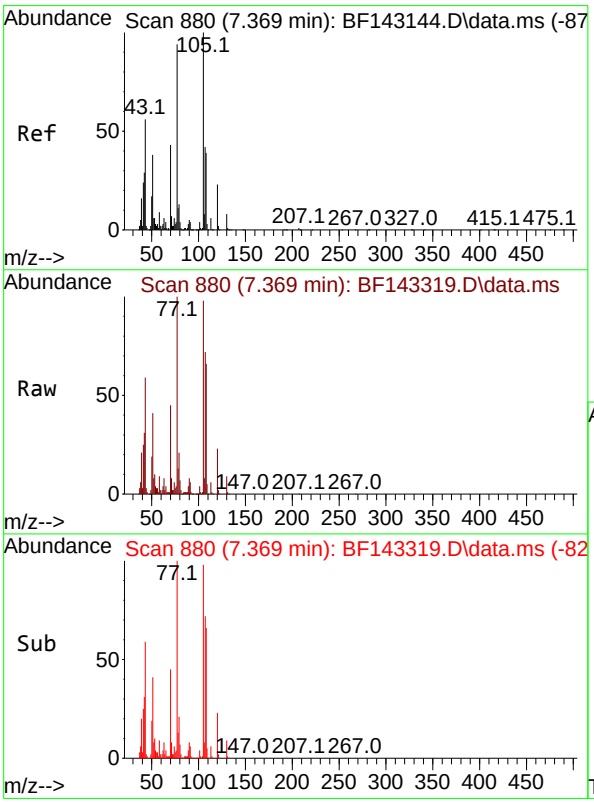
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 403036

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	10.7	8.2	12.2
68	7.2	5.4	8.2

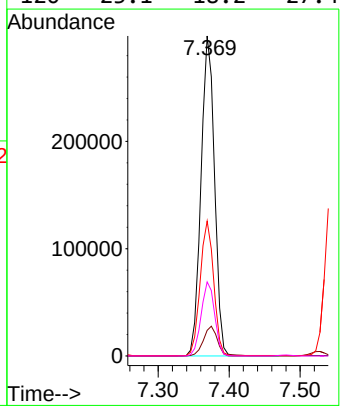


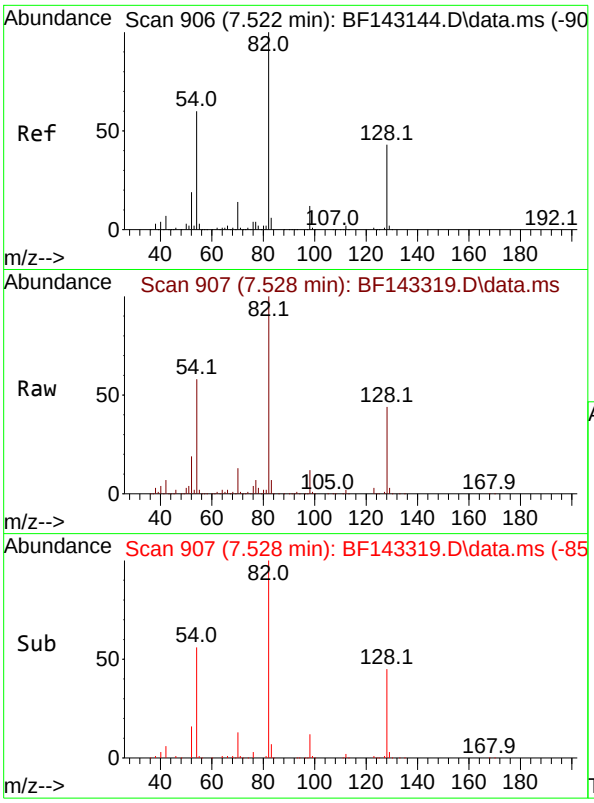


#22
Acetophenone
Concen: 41.532 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:105 Resp: 396296

Ion	Ratio	Lower	Upper
105	100		
71	8.0	5.8	8.6
51	42.2	30.2	45.2
120	23.1	18.2	27.4



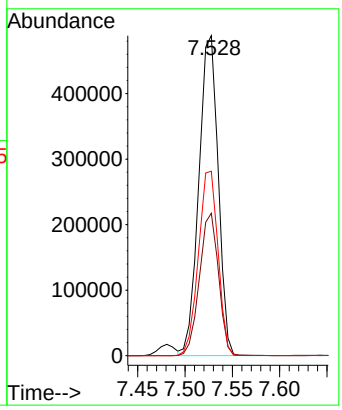


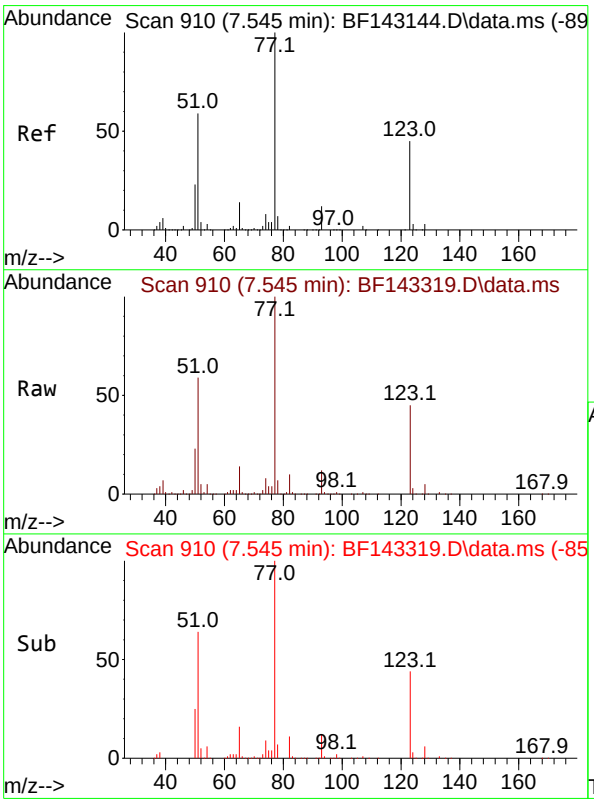
#23
Nitrobenzene-d5
Concen: 85.691 ng
RT: 7.528 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 692854

Ion	Ratio	Lower	Upper
82	100		
128	44.5	33.6	50.4
54	57.7	47.1	70.7

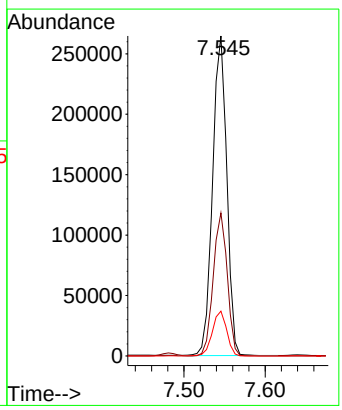


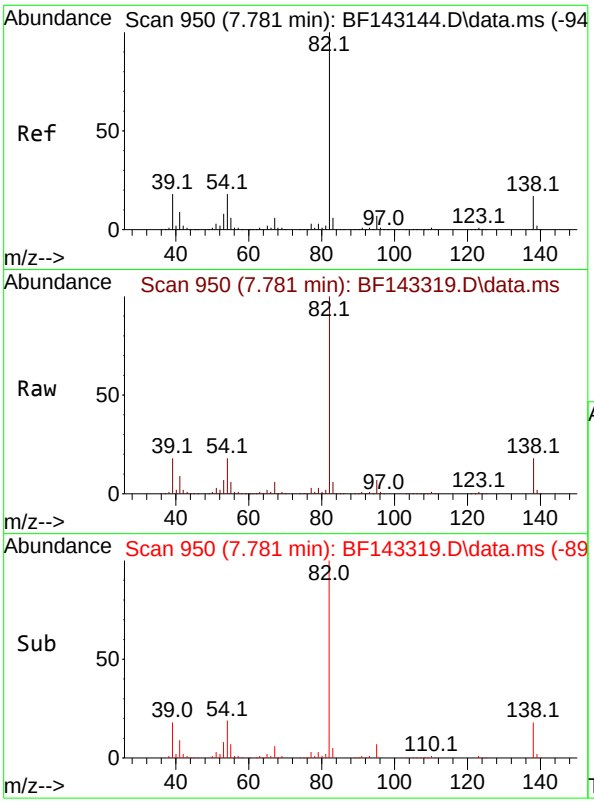


#24
Nitrobenzene
Concen: 42.649 ng
RT: 7.545 min Scan# 910
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 77 Resp: 321496

Ion	Ratio	Lower	Upper
77	100		
123	44.7	36.1	54.1
65	14.0	11.4	17.2



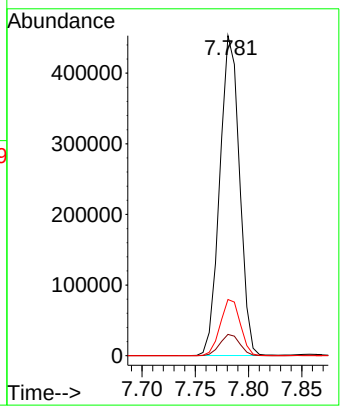


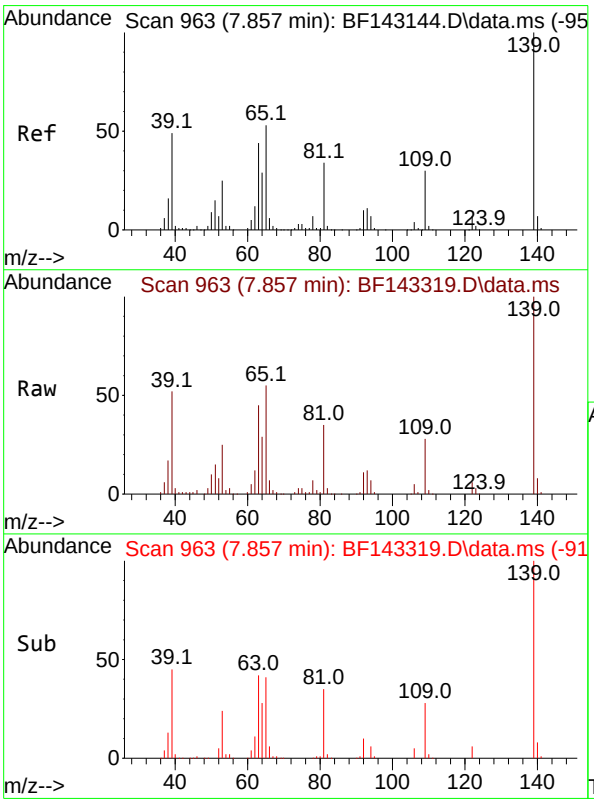
#25
Isophorone
Concen: 40.854 ng
RT: 7.781 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 583128

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.5	8.3
138	17.6	13.8	20.8

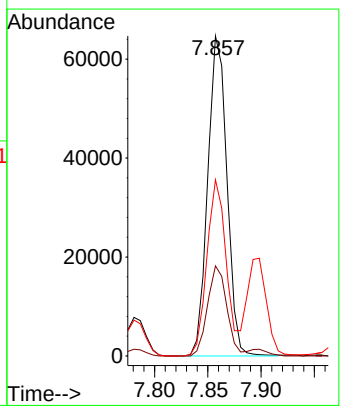


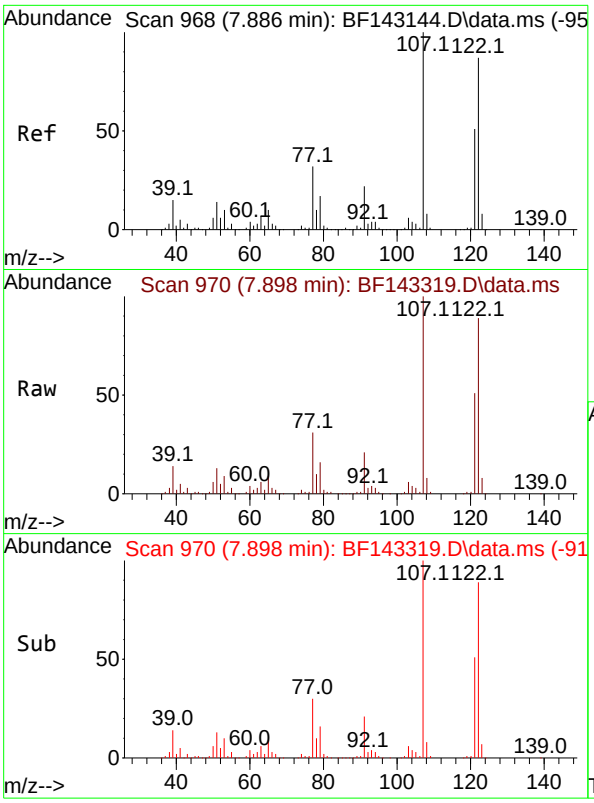


#26
2-Nitrophenol
Concen: 24.763 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:139 Resp: 81014

Ion	Ratio	Lower	Upper
139	100		
109	28.2	23.6	35.4
65	55.1	42.6	64.0



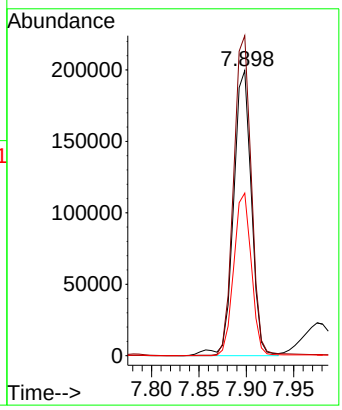


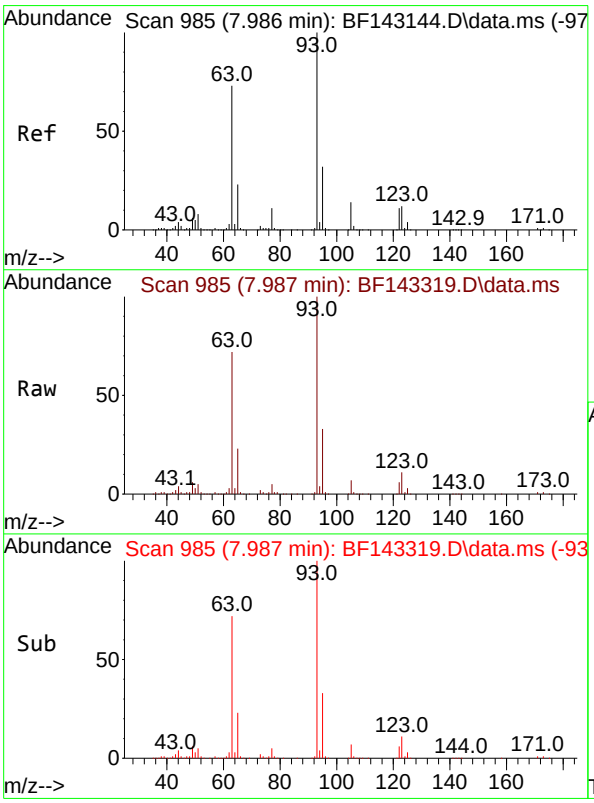
#27
2,4-Dimethylphenol
Concen: 39.121 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 260882

Ion	Ratio	Lower	Upper
122	100		
107	112.2	91.8	137.6
121	57.0	46.3	69.5

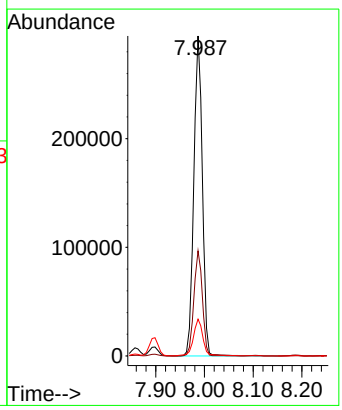


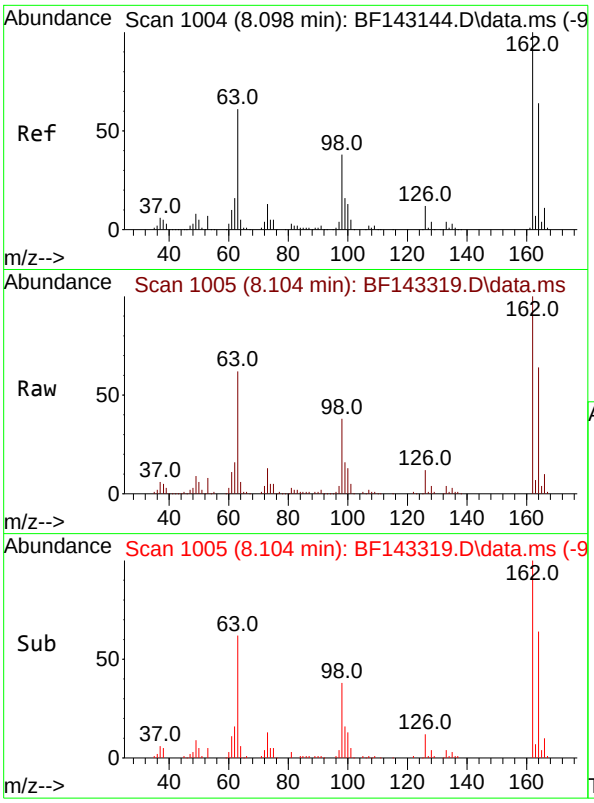


#28
bis(2-Chloroethoxy)methane
Concen: 42.404 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 93 Resp: 362892

Ion	Ratio	Lower	Upper
93	100		
95	32.8	25.8	38.6
123	11.5	9.7	14.5



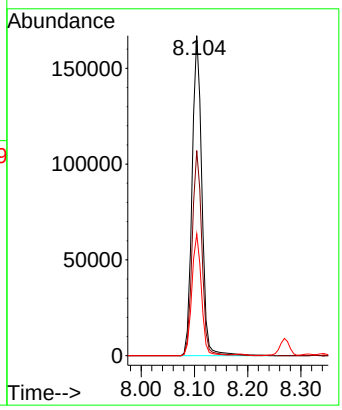


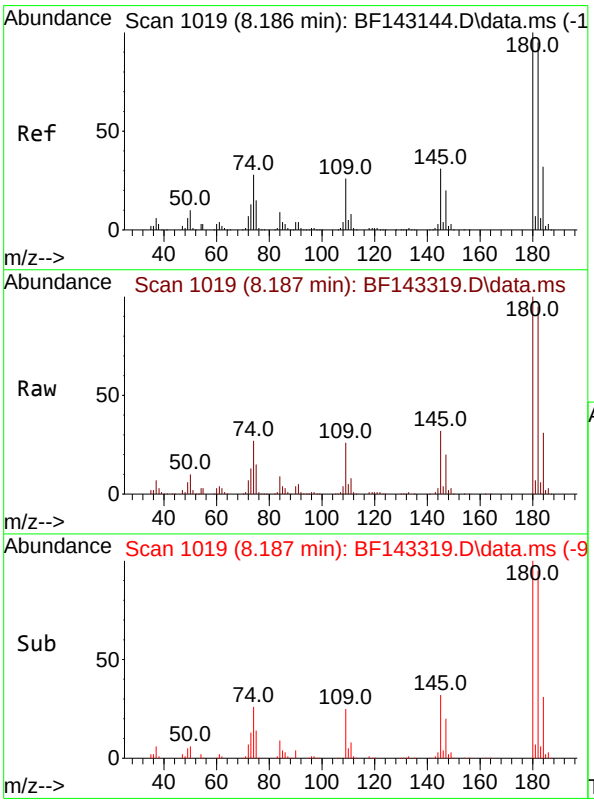
#29
2,4-Dichlorophenol
Concen: 37.756 ng
RT: 8.104 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 212334

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.2	84.2
98	38.1	17.9	57.9

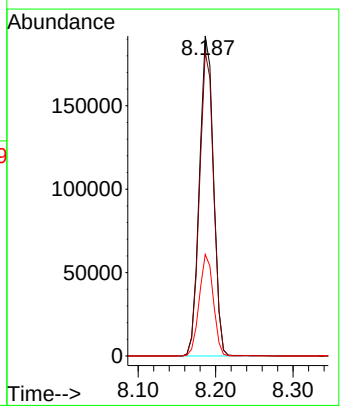


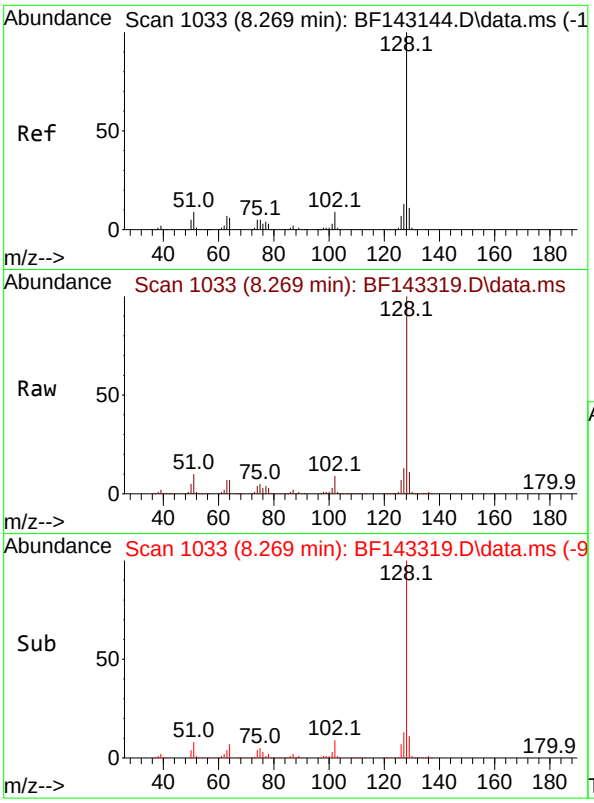


#30
1,2,4-Trichlorobenzene
Concen: 39.822 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:180 Resp: 241950

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.2
145	31.7	25.0	37.6



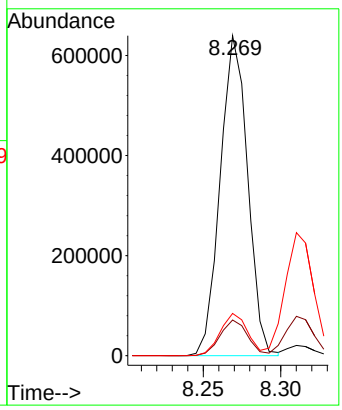


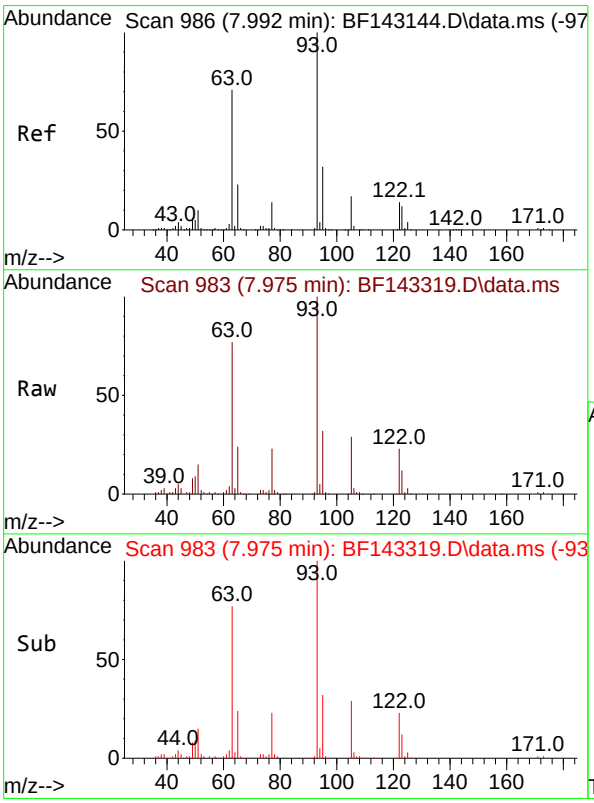
#31
Naphthalene
Concen: 39.649 ng
RT: 8.269 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 786998

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.4
127	13.2	10.6	16.0

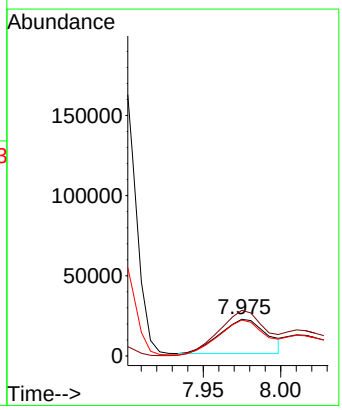


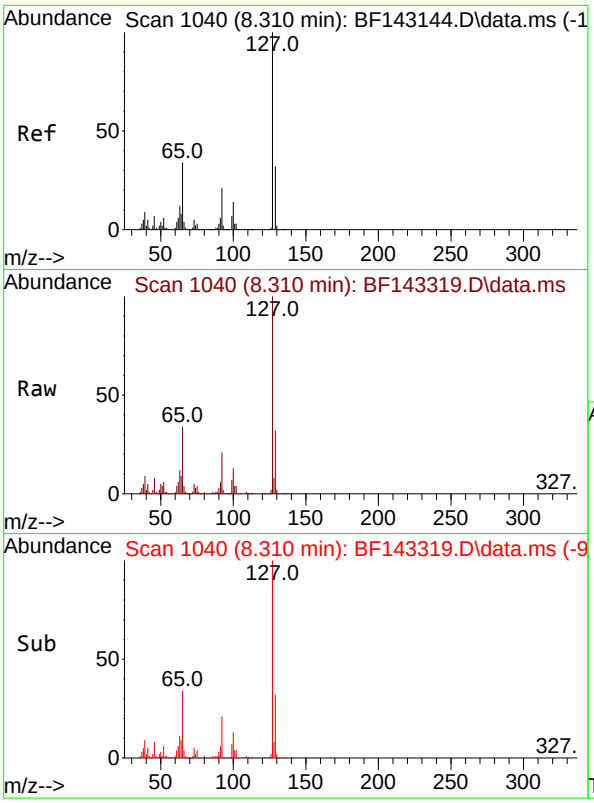


#32
Benzoic acid
Concen: 15.945 ng
RT: 7.975 min Scan# 983
Delta R.T. -0.017 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:122 Resp: 45338

Ion	Ratio	Lower	Upper
122	100		
105	124.1	104.8	144.8
77	97.8	77.6	117.6



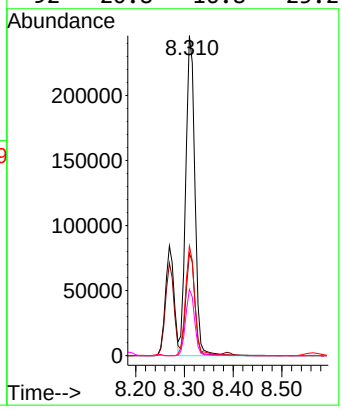


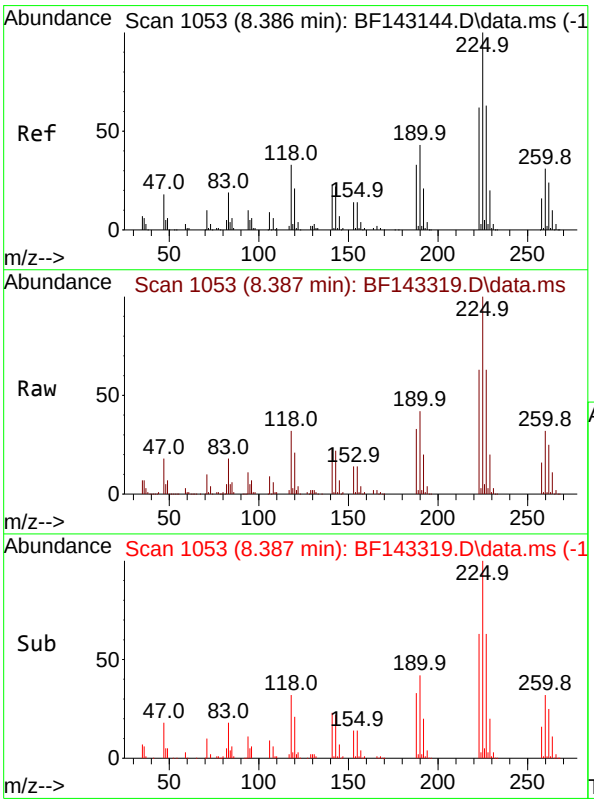
#33
4-Chloroaniline
Concen: 39.509 ng
RT: 8.310 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 320214

Ion	Ratio	Lower	Upper
127	100		
129	32.0	26.0	39.0
65	34.2	27.4	41.2
92	20.8	16.8	25.2

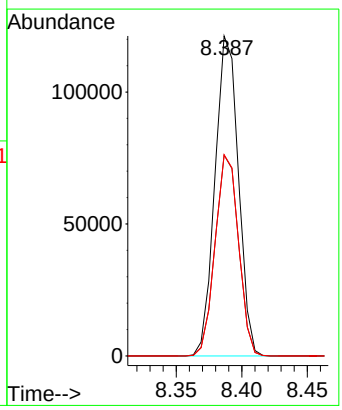


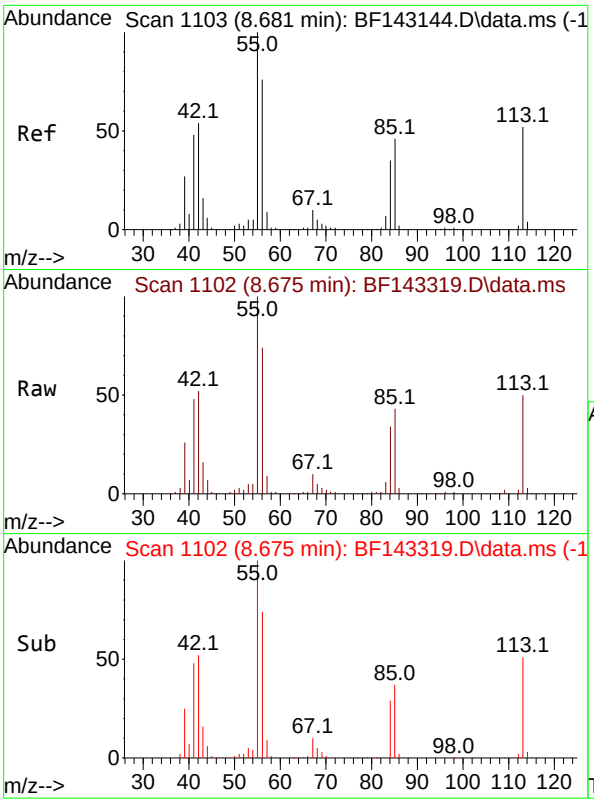


#34
Hexachlorobutadiene
Concen: 40.507 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:225 Resp: 150342

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.8	74.6
227	62.9	50.2	75.4



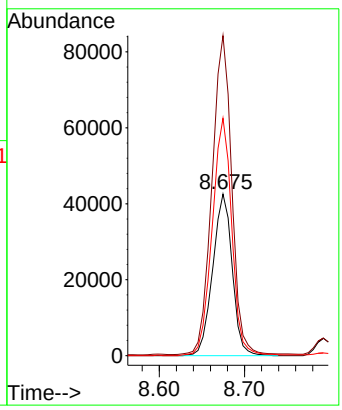


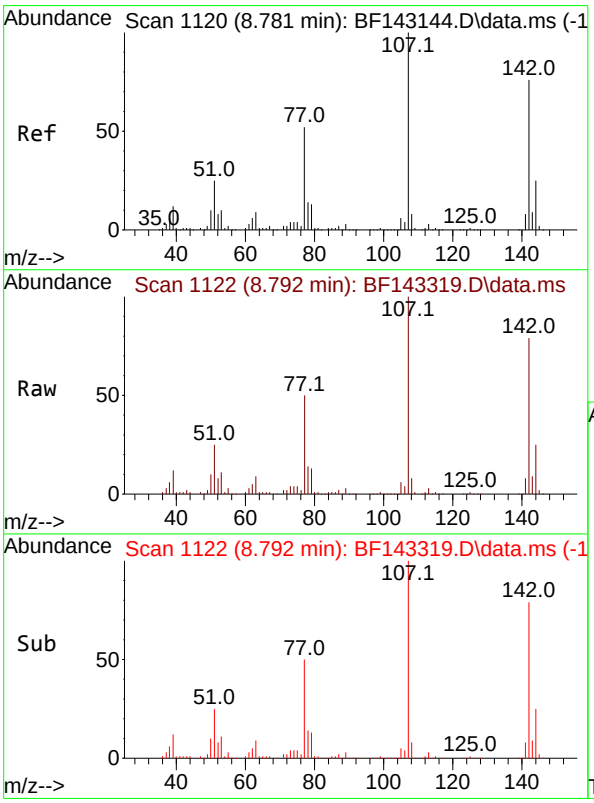
#35
Caprolactam
Concen: 39.838 ng
RT: 8.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 67702

Ion	Ratio	Lower	Upper
113	100		
55	198.0	174.0	214.0
56	146.9	126.6	166.6

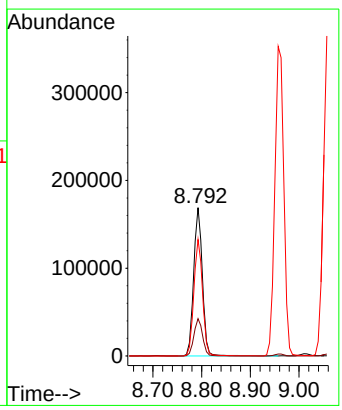


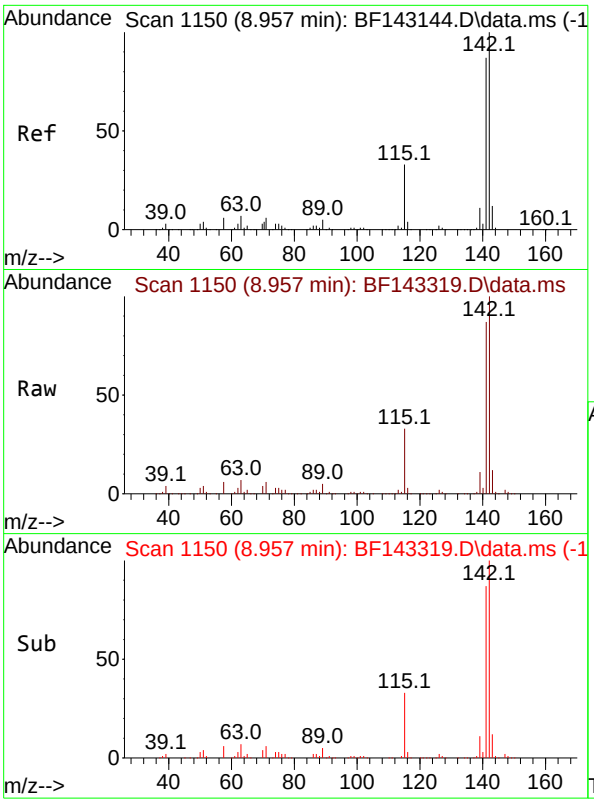


#36
4-Chloro-3-methylphenol
Concen: 34.734 ng
RT: 8.792 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:107 Resp: 212318

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.8	29.6
142	78.6	60.6	90.8



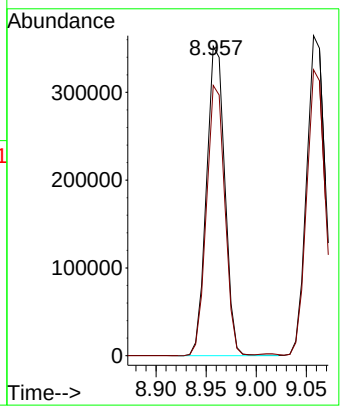


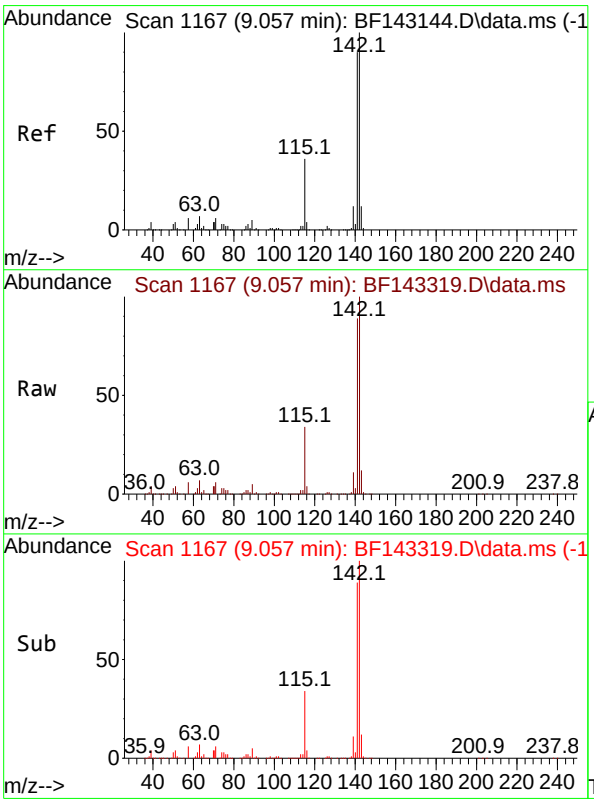
#37
2-Methylnaphthalene
Concen: 37.268 ng
RT: 8.957 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 450138

Ion	Ratio	Lower	Upper
142	100		
141	87.4	69.9	104.9

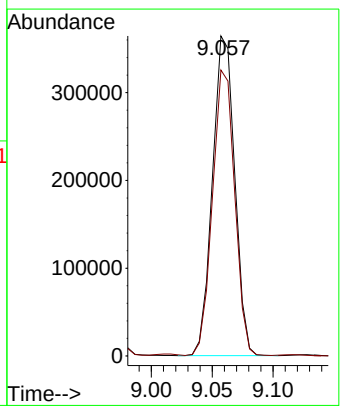


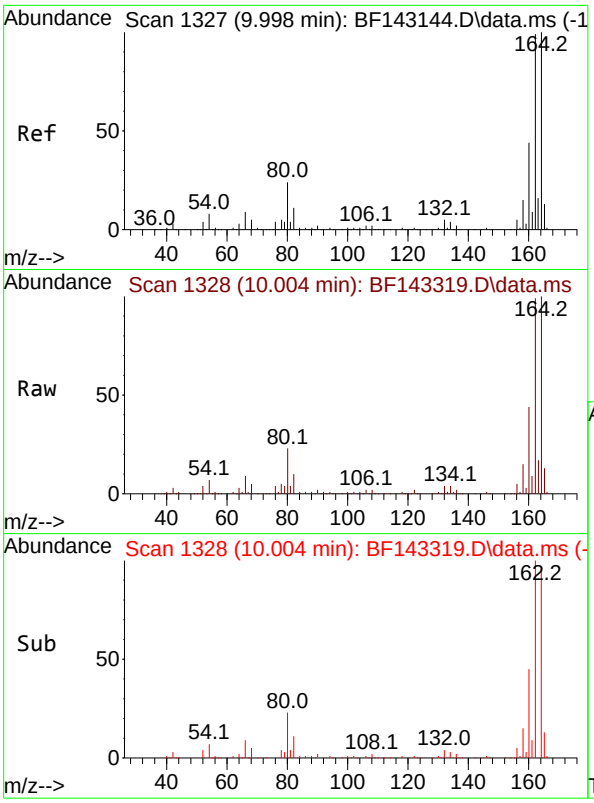


#38
1-Methylnaphthalene
Concen: 37.272 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:142 Resp: 463577

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.3	108.5



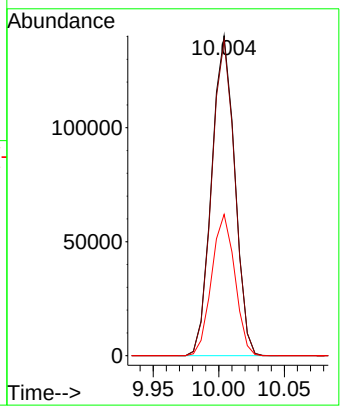


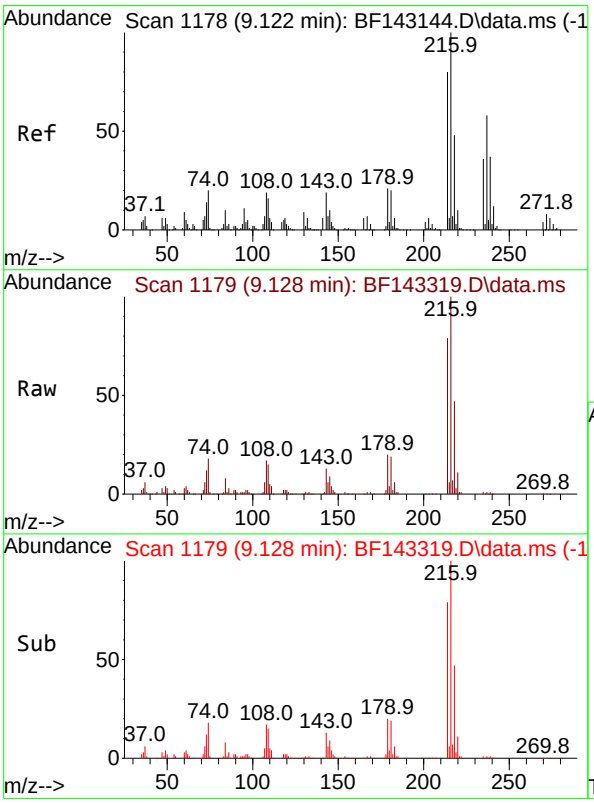
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 172118

Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.0	118.6
160	44.1	35.1	52.7

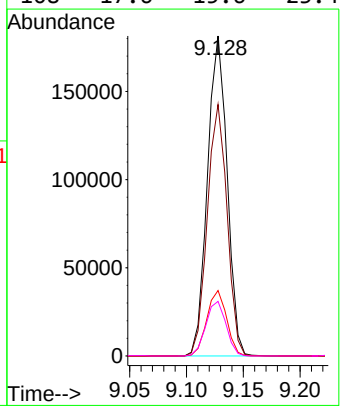


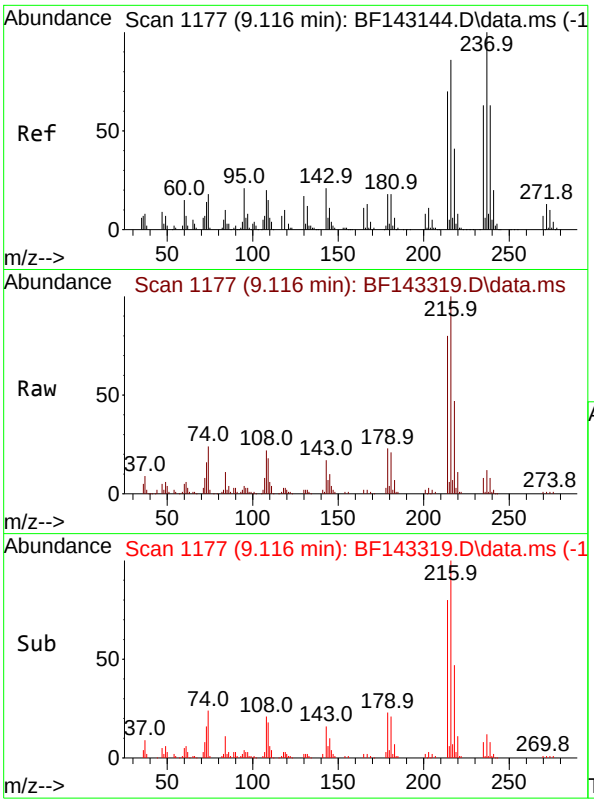


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.049 ng
RT: 9.128 min Scan# 1179
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:216 Resp: 218890

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.8	95.8
179	20.6	16.4	24.6
108	17.6	15.6	23.4



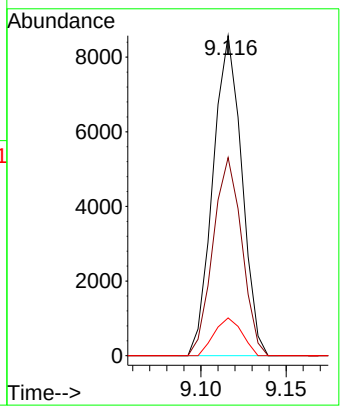


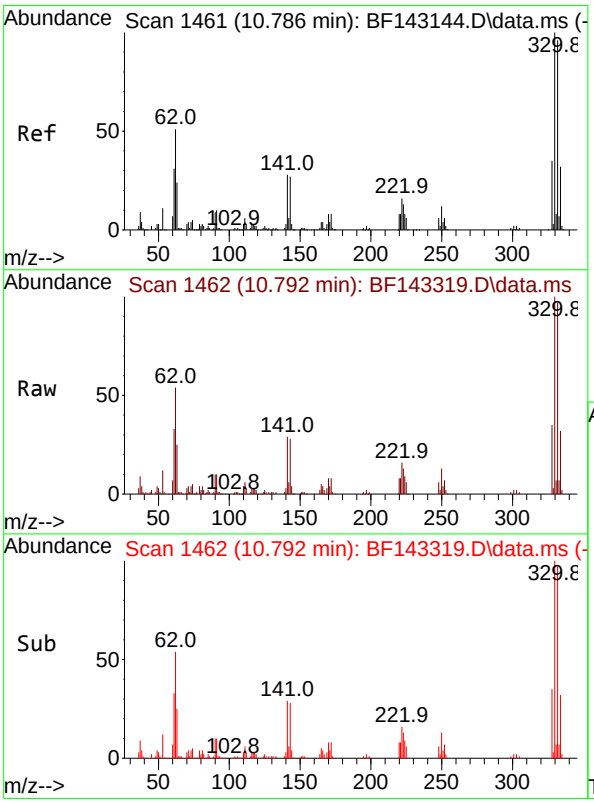
#41
Hexachlorocyclopentadiene
Concen: 3.125 ng
RT: 9.116 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 10105

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.0	83.0
272	11.8	0.0	33.3

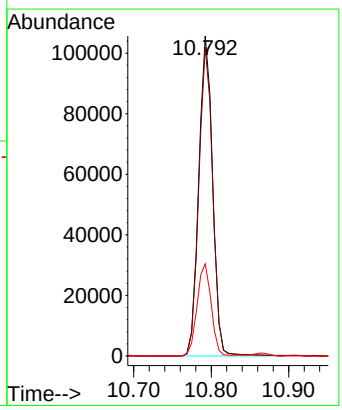


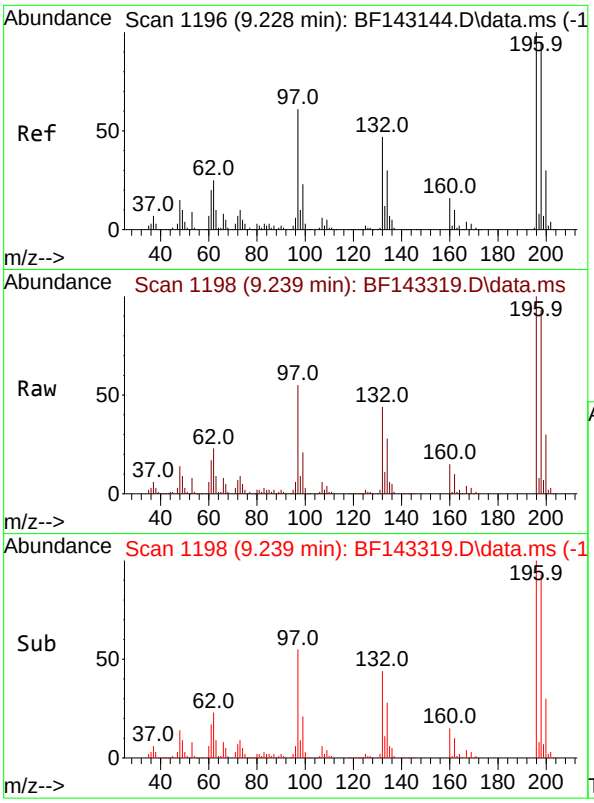


#42
2,4,6-Tribromophenol
Concen: 73.759 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:330 Resp: 131149

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.7	115.1
141	29.4	23.3	34.9



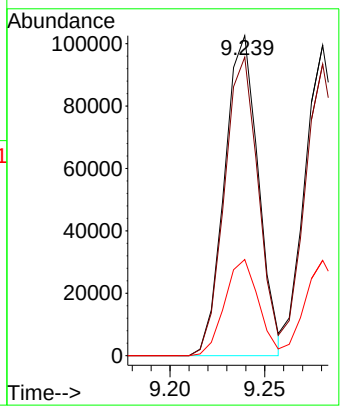


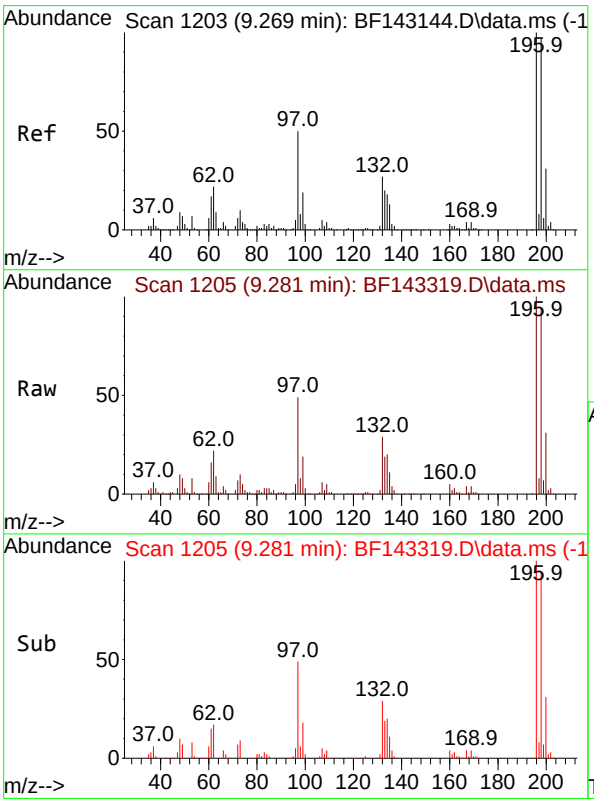
#43
2,4,6-Trichlorophenol
Concen: 37.154 ng
RT: 9.239 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 127779

Ion	Ratio	Lower	Upper
196	100		
198	93.3	76.2	114.2
200	30.1	23.9	35.9

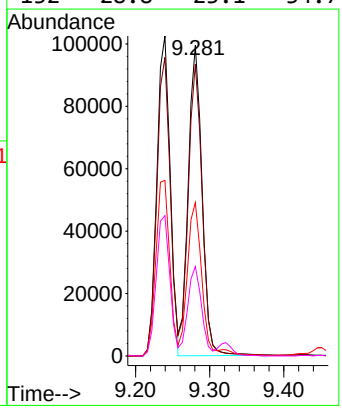


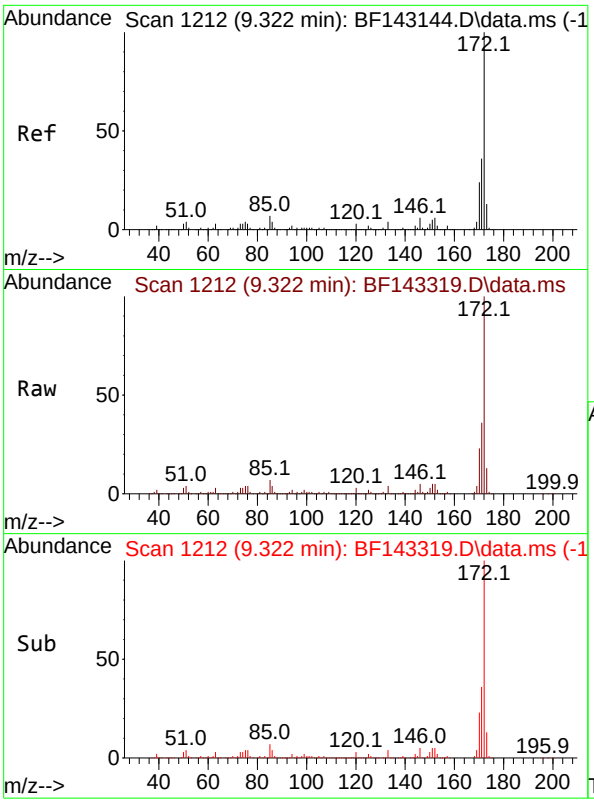


#44
2,4,5-Trichlorophenol
Concen: 37.720 ng
RT: 9.281 min Scan# 1205
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:196 Resp: 129763

Ion	Ratio	Lower	Upper
196	100		
198	93.9	77.3	115.9
97	49.4	40.3	60.5
132	28.8	23.1	34.7



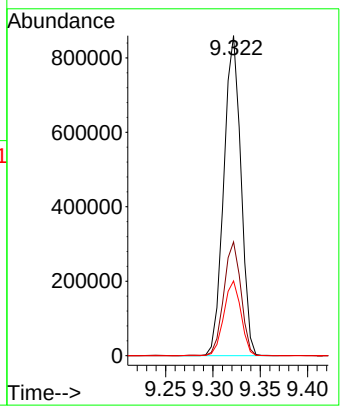


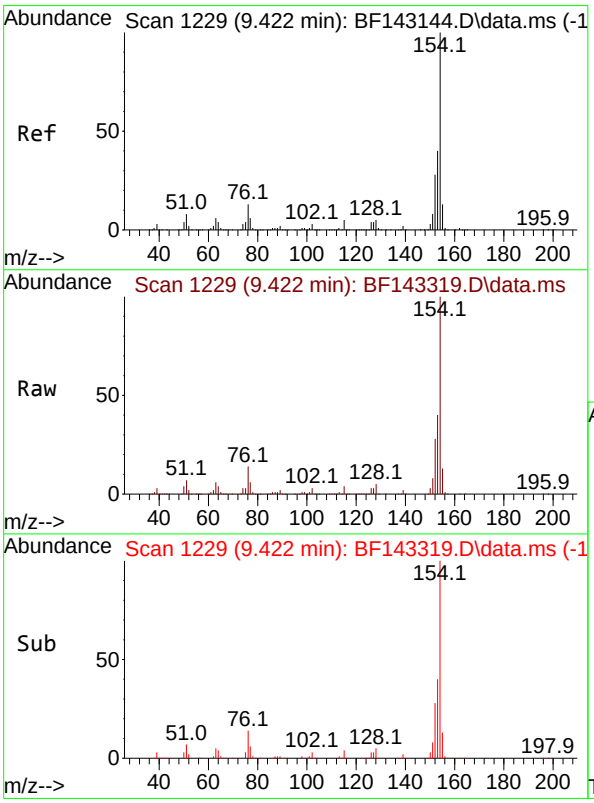
#45
2-Fluorobiphenyl
Concen: 86.070 ng
RT: 9.322 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1083208

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.4	18.8	28.2

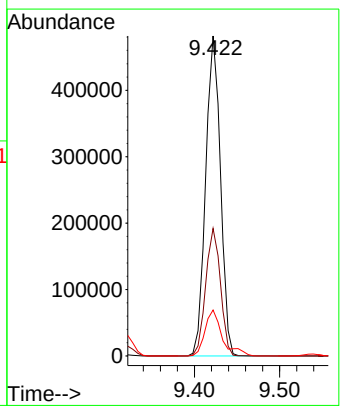


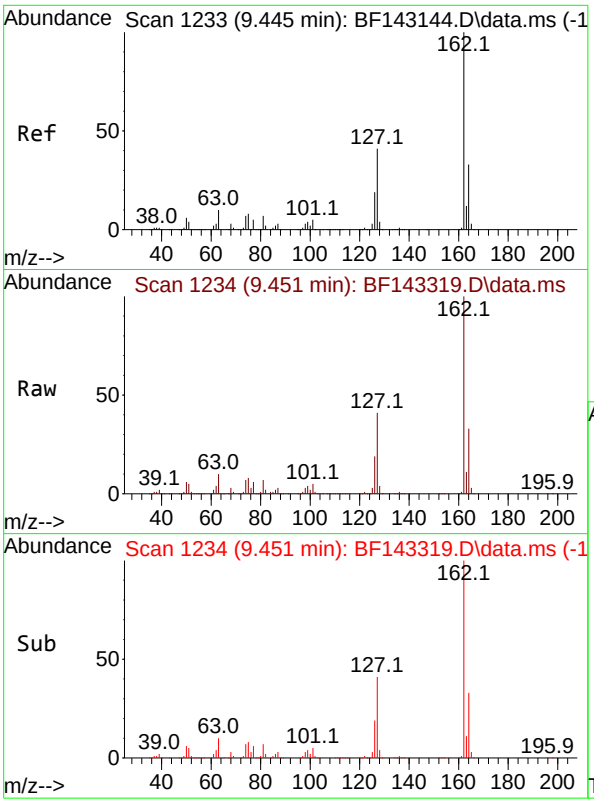


#46
1,1'-Biphenyl
Concen: 43.239 ng
RT: 9.422 min Scan# 1229
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:154 Resp: 580633

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.3	60.3
76	14.4	0.0	33.3



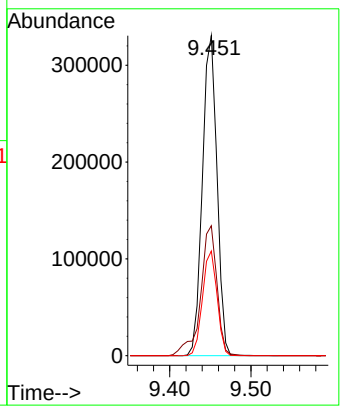


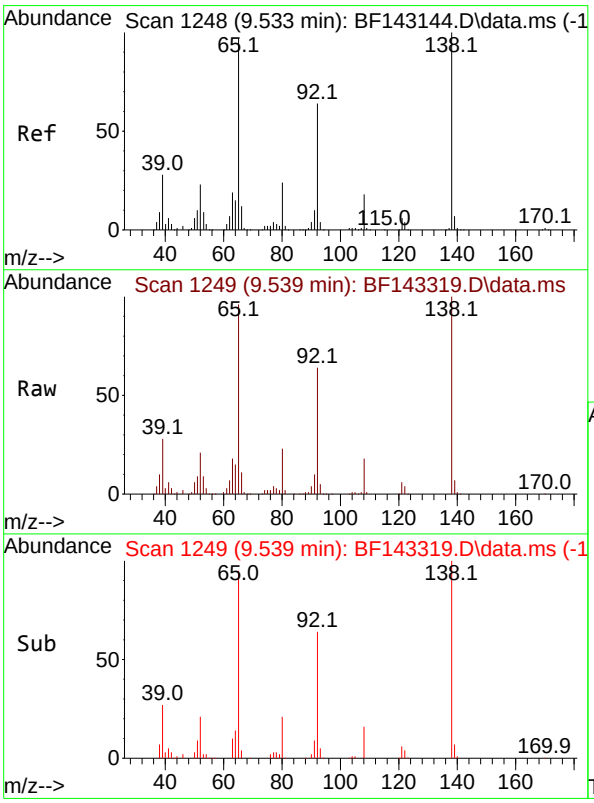
#47
2-Chloronaphthalene
Concen: 41.417 ng
RT: 9.451 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 411529

Ion	Ratio	Lower	Upper
162	100		
127	40.6	33.4	50.2
164	32.7	26.2	39.2

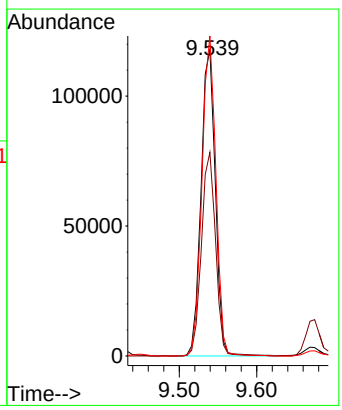


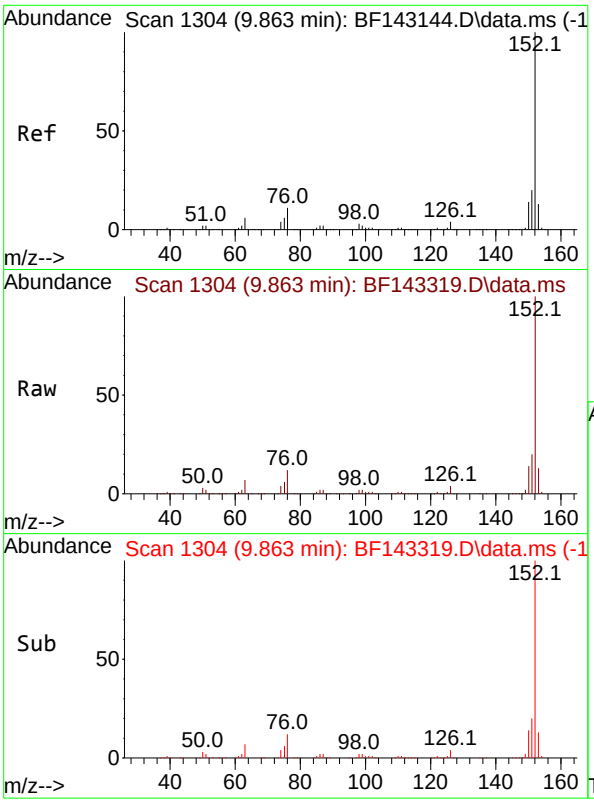


#48
2-Nitroaniline
Concen: 48.428 ng
RT: 9.539 min Scan# 1249
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion: 65 Resp: 150901

Ion	Ratio	Lower	Upper
65	100		
92	66.5	52.4	78.6
138	104.5	82.3	123.5



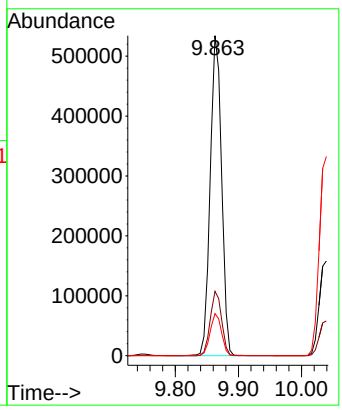


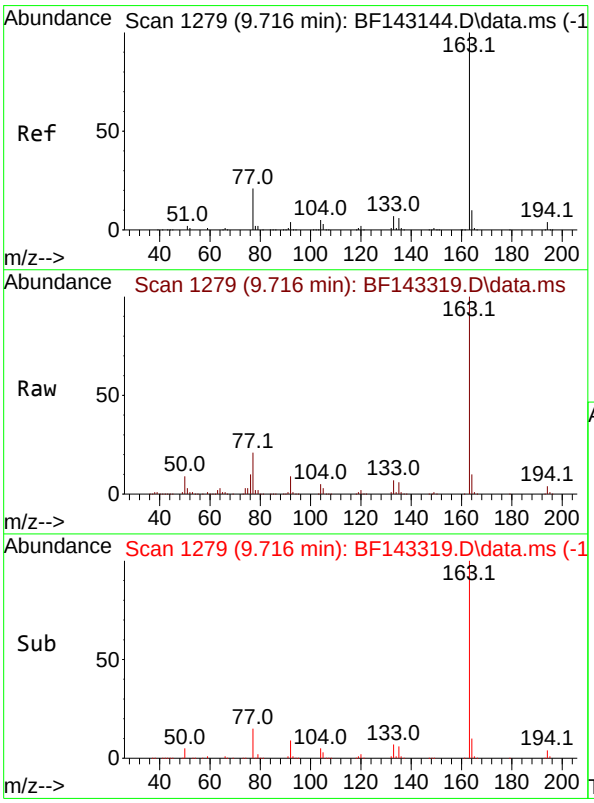
#49
Acenaphthylene
Concen: 40.205 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 669468

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2
153	13.2	10.6	16.0

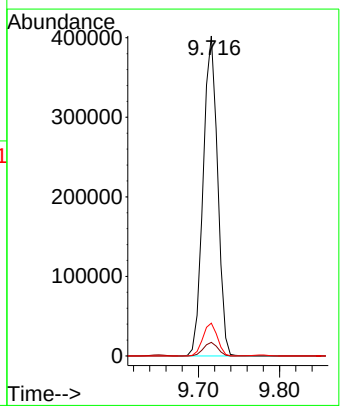


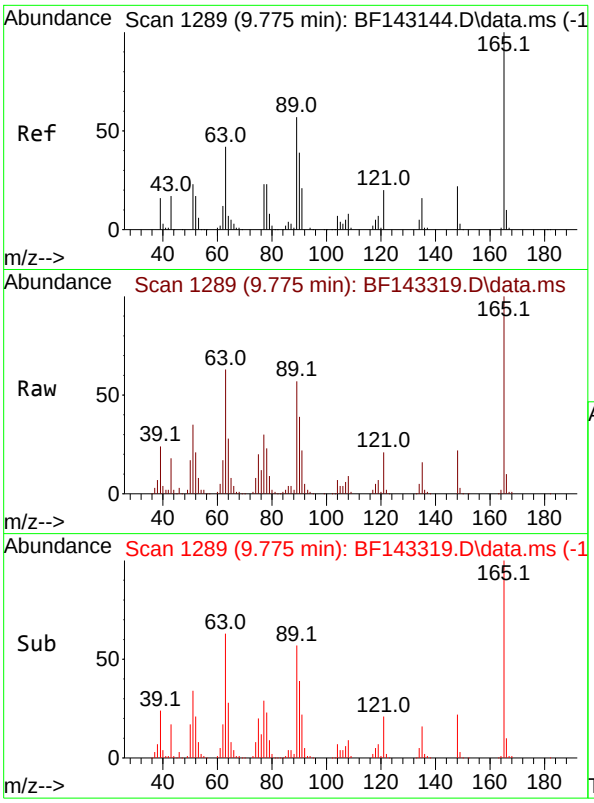


#50
Dimethylphthalate
Concen: 44.194 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:163 Resp: 495822

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.3	8.3	12.5



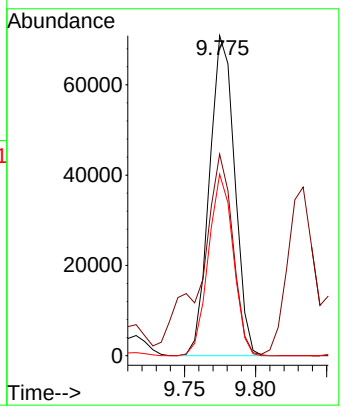


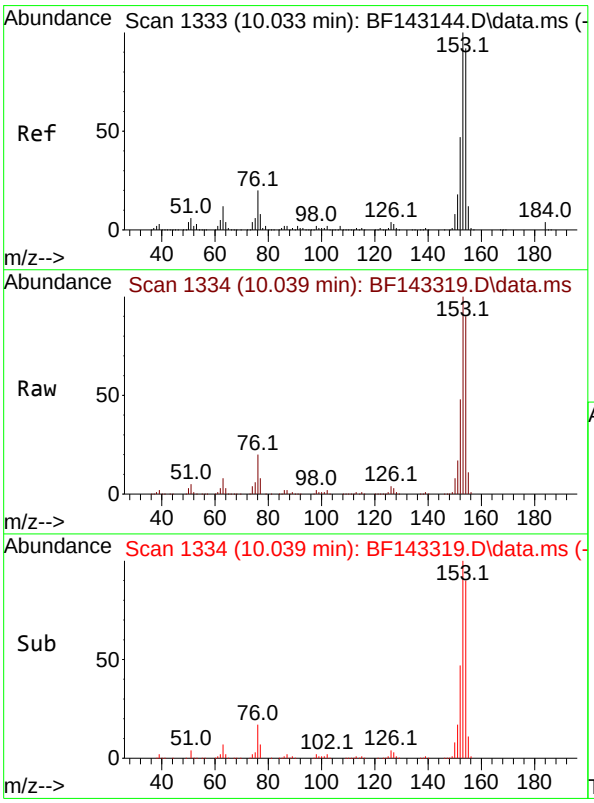
#51
2,6-Dinitrotoluene
Concen: 38.398 ng
RT: 9.775 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 87635

Ion	Ratio	Lower	Upper
165	100		
63	63.0	49.4	74.2
89	56.7	46.2	69.2

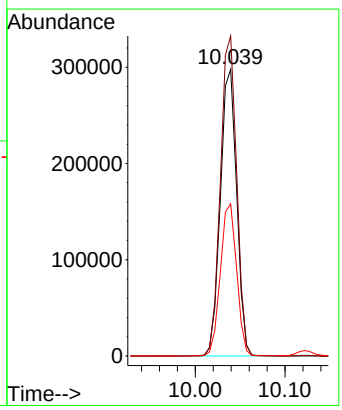


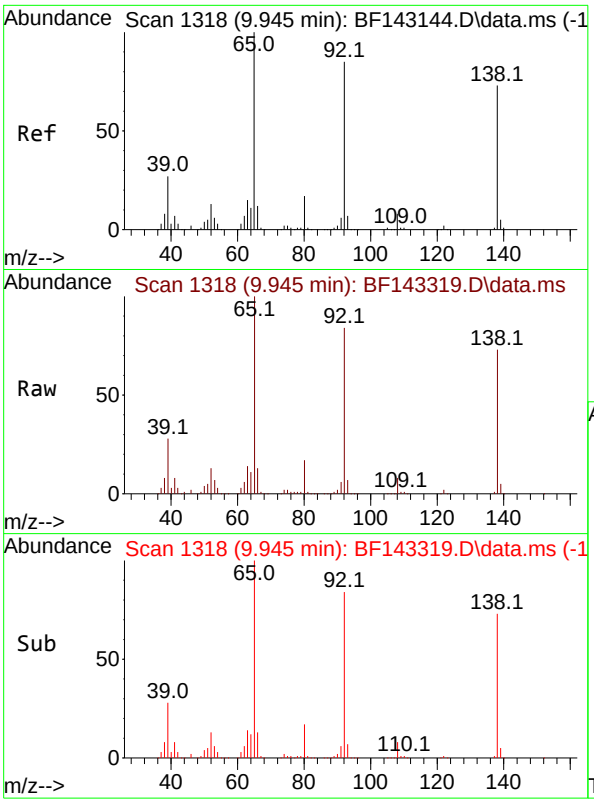


#52
Acenaphthene
Concen: 38.143 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:154 Resp: 375398

Ion	Ratio	Lower	Upper
154	100		
153	111.6	86.6	129.8
152	53.1	40.4	60.6



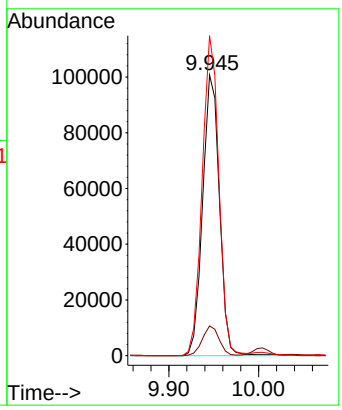


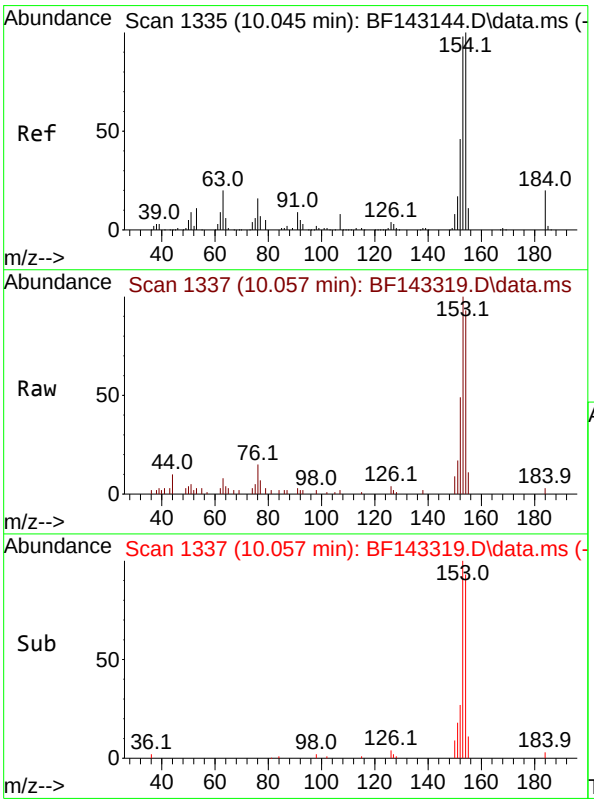
#53
3-Nitroaniline
Concen: 49.113 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 131107

Ion	Ratio	Lower	Upper
138	100		
108	10.6	9.0	13.6
92	114.0	93.0	139.4

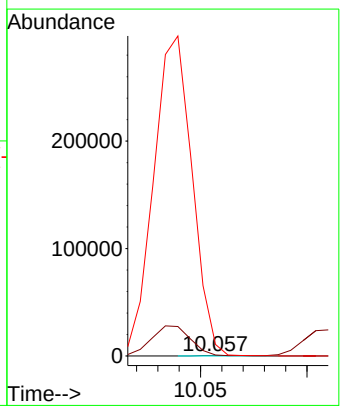


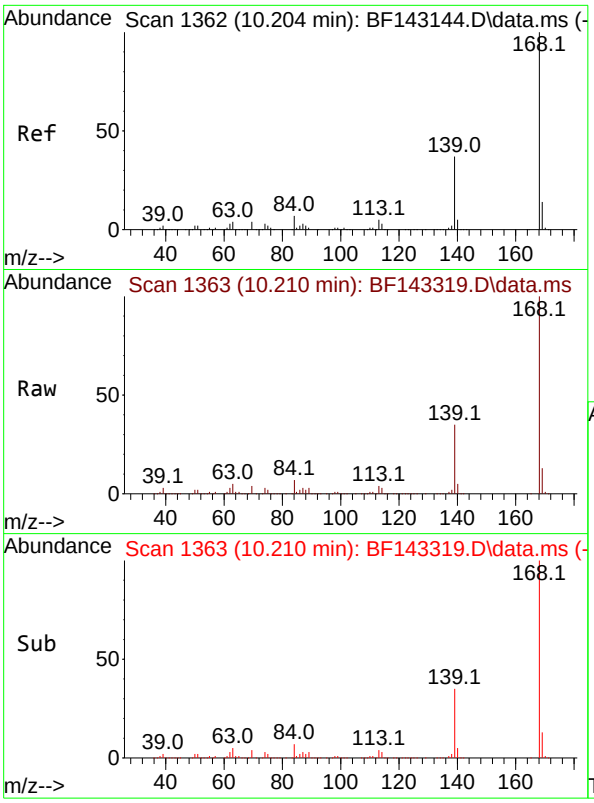


#54
2,4-Dinitrophenol
Concen: 7.056 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:184 Resp: 443

Ion	Ratio	Lower	Upper
184	100		
63	309.1	81.8	122.6#
154	3389.3	412.2	618.4#



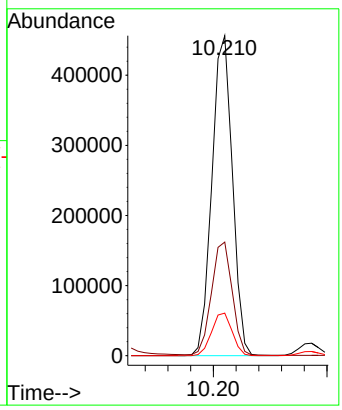


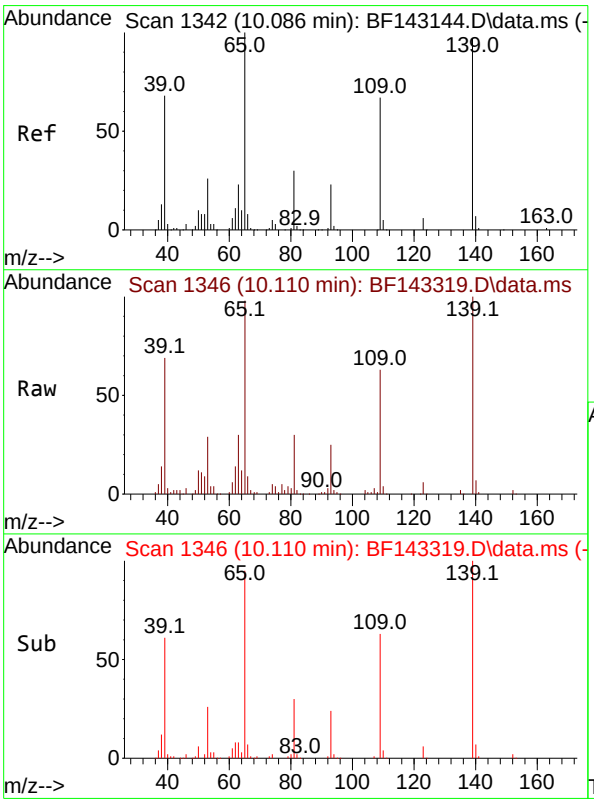
#55
Dibenzofuran
Concen: 39.101 ng
RT: 10.210 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 571344

Ion	Ratio	Lower	Upper
168	100		
139	35.5	29.5	44.3
169	13.3	10.9	16.3

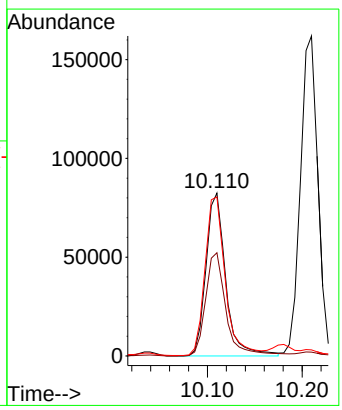


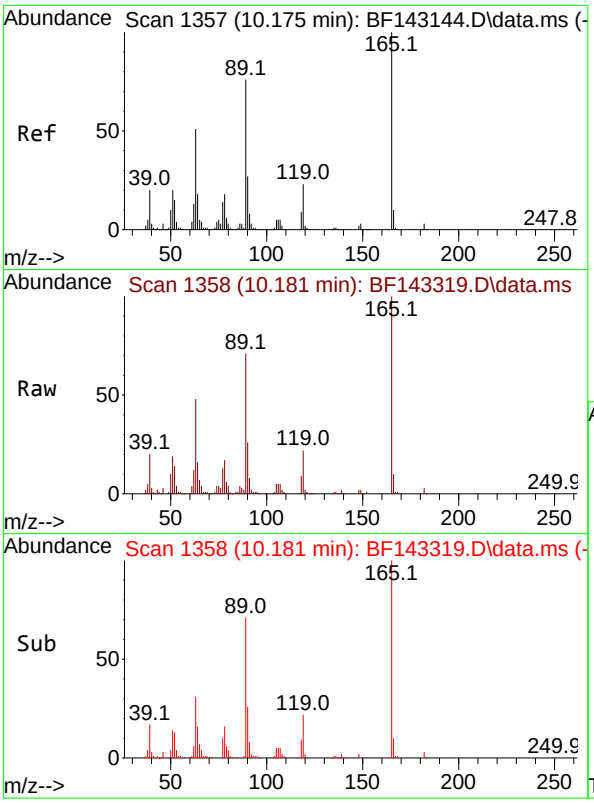


#56
4-Nitrophenol
Concen: 59.649 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.024 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:139 Resp: 118907

Ion	Ratio	Lower	Upper
139	100		
109	63.4	48.5	88.5
65	97.7	83.4	123.4



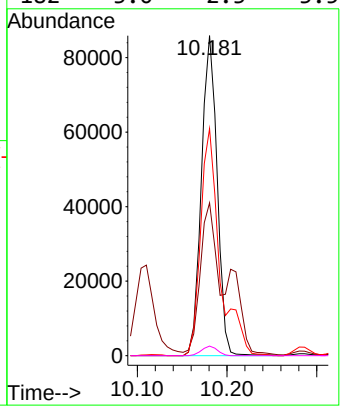


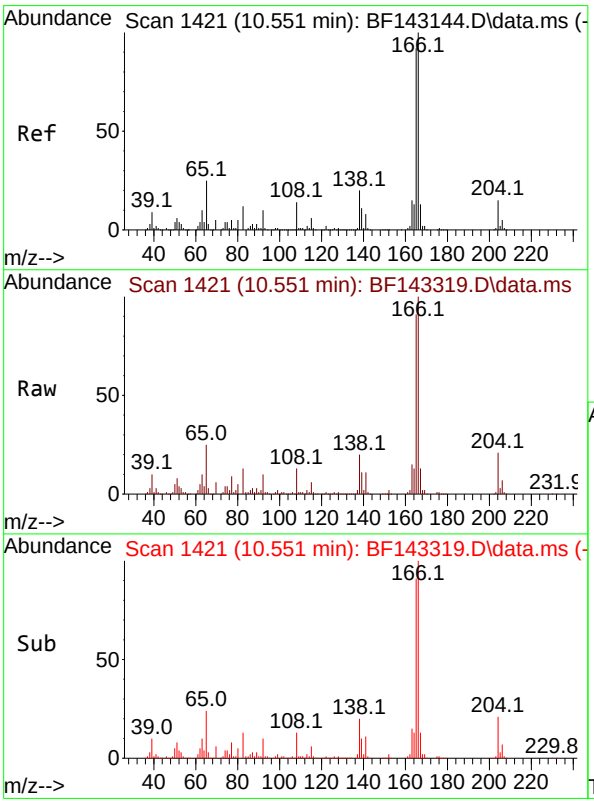
#57
2,4-Dinitrotoluene
Concen: 36.532 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 104606

Ion	Ratio	Lower	Upper
165	100		
63	47.8	41.0	61.4
89	71.0	61.1	91.7
182	3.0	2.3	3.5

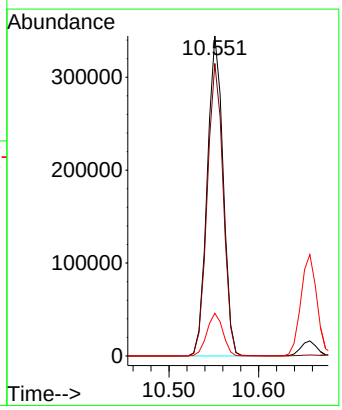


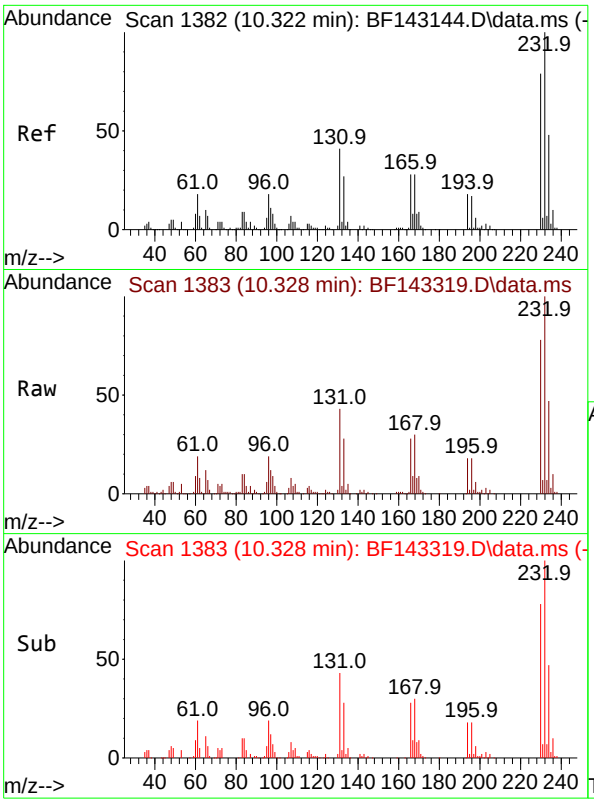


#58
Fluorene
Concen: 38.582 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:166 Resp: 423115

Ion	Ratio	Lower	Upper
166	100		
165	91.4	73.7	110.5
167	13.4	10.6	16.0



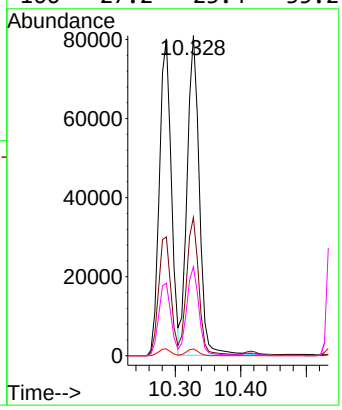


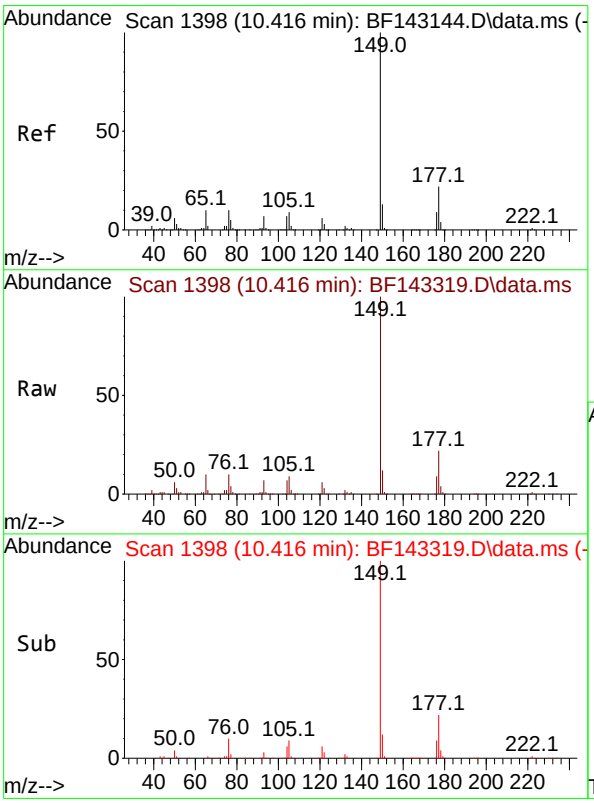
#59
2,3,4,6-Tetrachlorophenol
Concen: 36.617 ng
RT: 10.328 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 104348

Ion	Ratio	Lower	Upper
232	100		
131	42.8	35.3	52.9
130	2.1	1.7	2.5
166	27.2	23.4	35.2

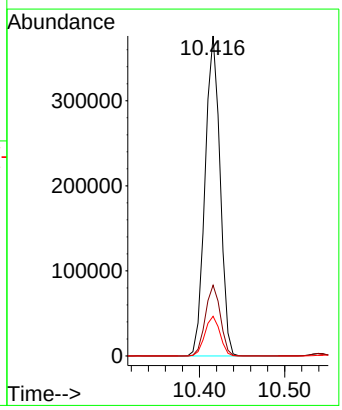


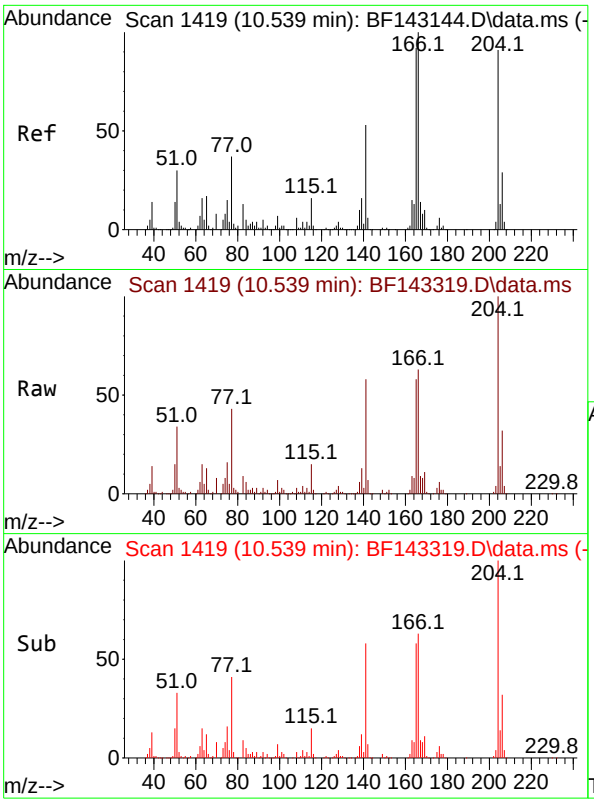


#60
Diethylphthalate
Concen: 41.574 ng
RT: 10.416 min Scan# 1398
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 461013

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.5	26.3
150	12.4	10.2	15.2



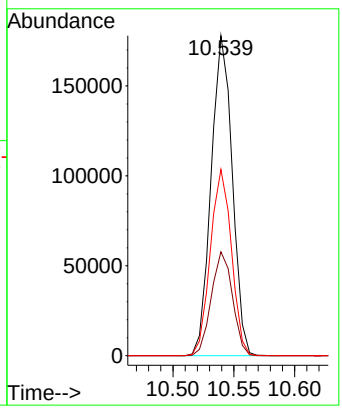


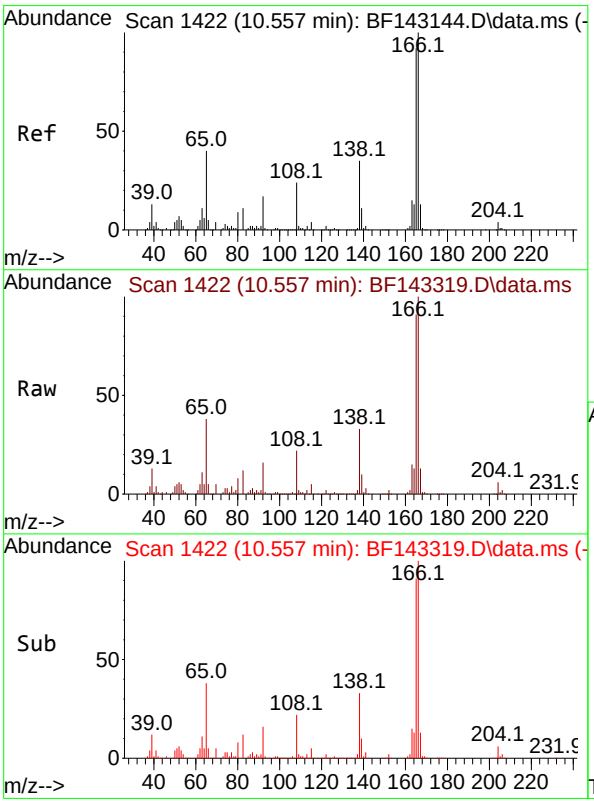
#61
4-Chlorophenyl-phenylether
Concen: 39.319 ng
RT: 10.539 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 214710

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.8
141	58.2	47.0	70.4

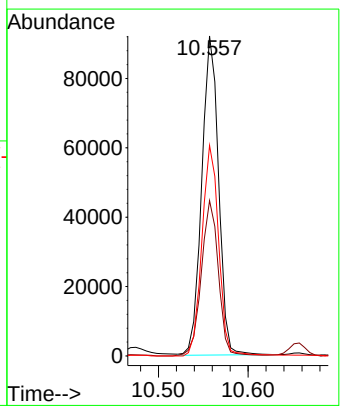


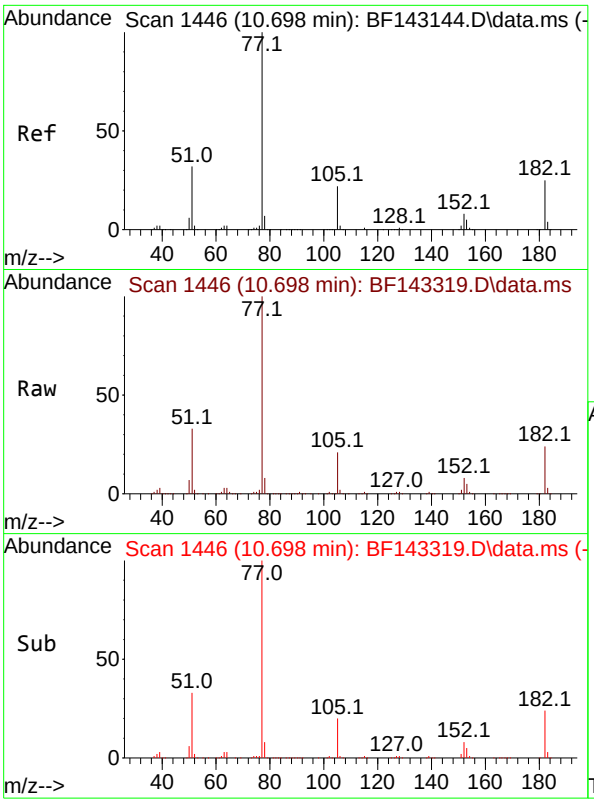


#62
4-Nitroaniline
Concen: 52.351 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:138 Resp: 119776

Ion	Ratio	Lower	Upper
138	100		
92	48.5	29.3	69.3
108	65.8	48.3	88.3



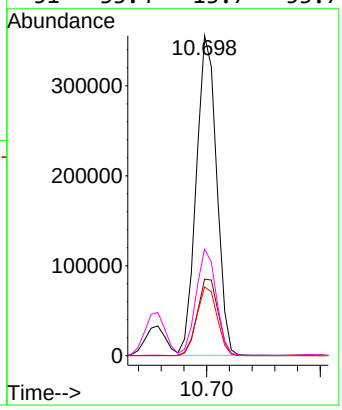


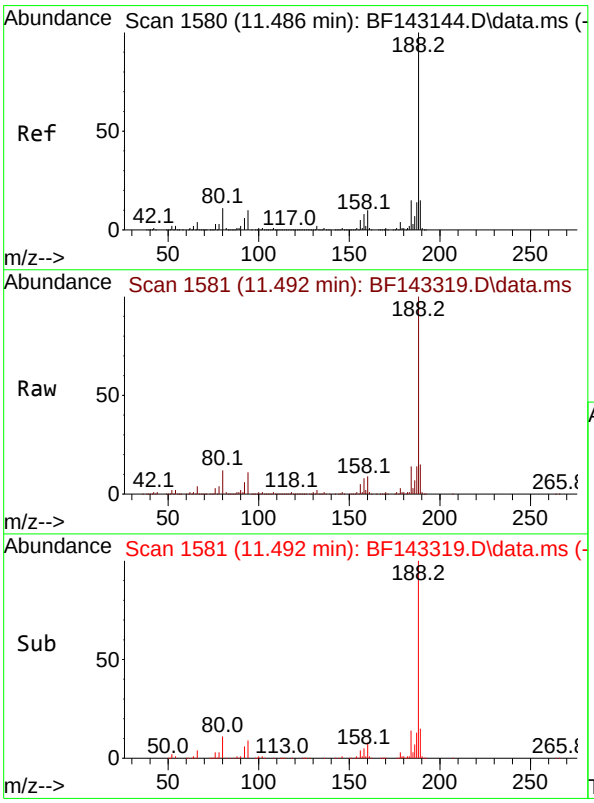
#63
Azobenzene
Concen: 38.157 ng
RT: 10.698 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 440989

Ion	Ratio	Lower	Upper
77	100		
182	23.9	4.6	44.6
105	21.5	1.4	41.4
51	33.4	13.7	53.7

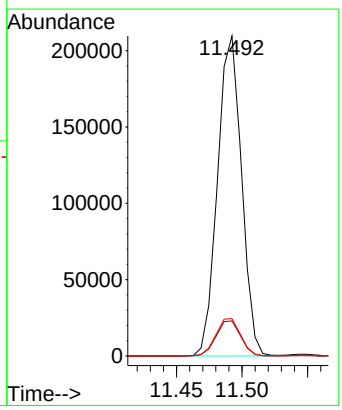


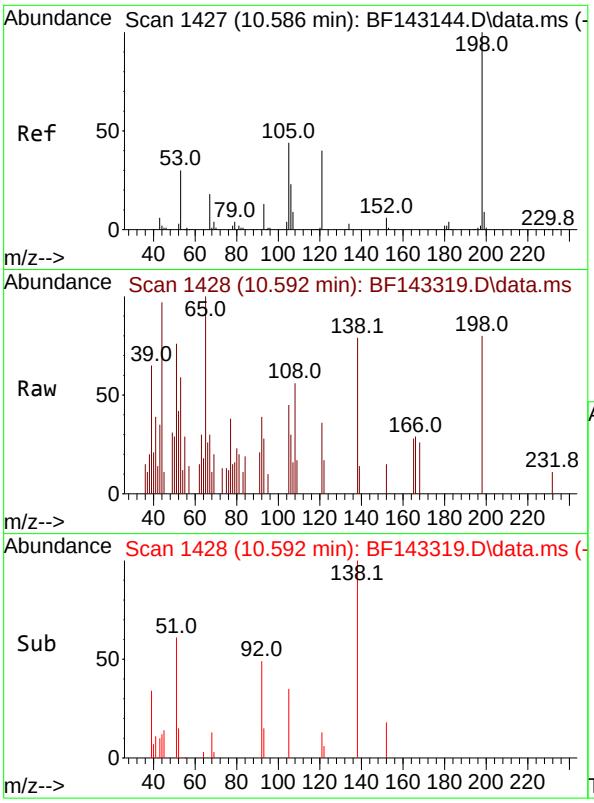


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1581
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:188 Resp: 266991

Ion	Ratio	Lower	Upper
188	100		
94	11.0	8.3	12.5
80	11.7	9.0	13.6



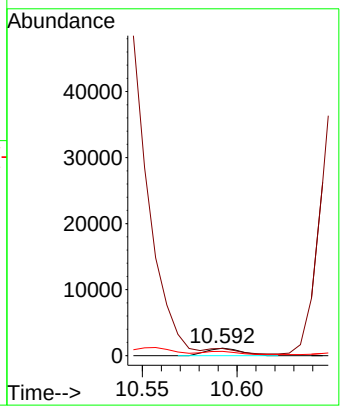


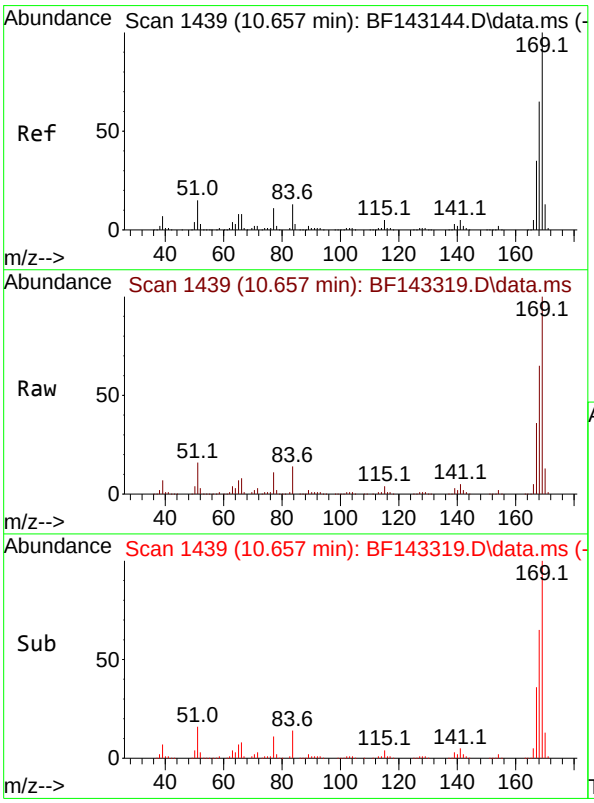
#65
4,6-Dinitro-2-methylphenol
Concen: 6.326 ng
RT: 10.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 1441

Ion	Ratio	Lower	Upper
198	100		
51	95.0	37.2	77.2#
105	56.3	24.8	64.8

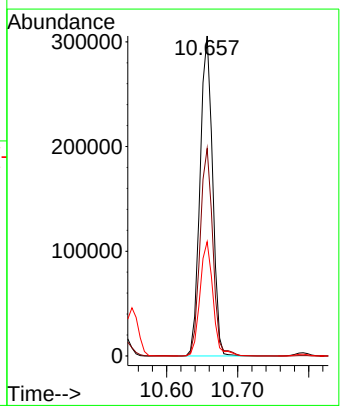


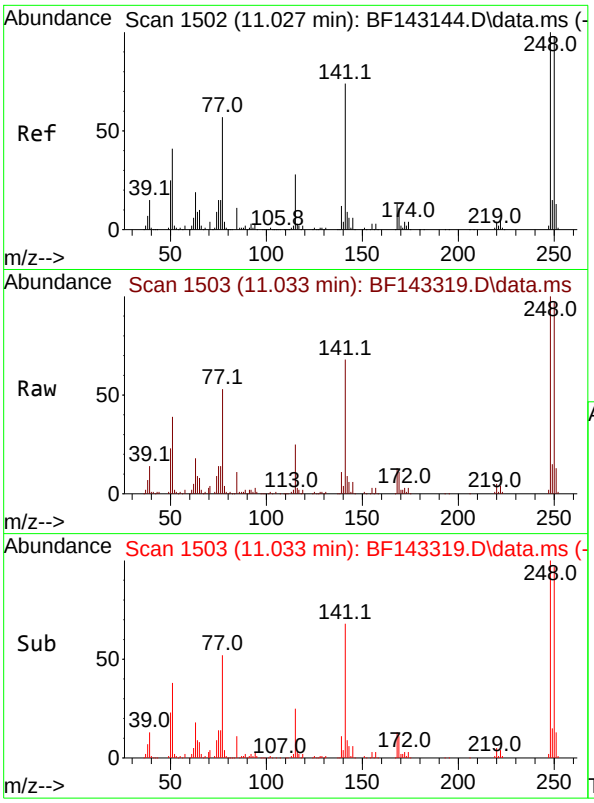


#66
n-Nitrosodiphenylamine
Concen: 40.035 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:169 Resp: 376391

Ion	Ratio	Lower	Upper
169	100		
168	64.9	52.1	78.1
167	35.7	28.2	42.2



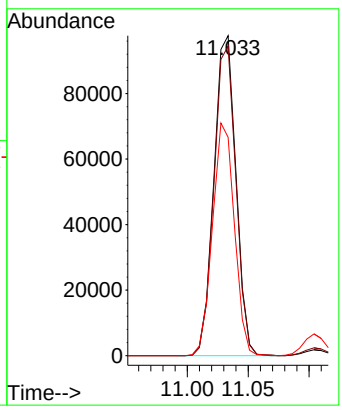


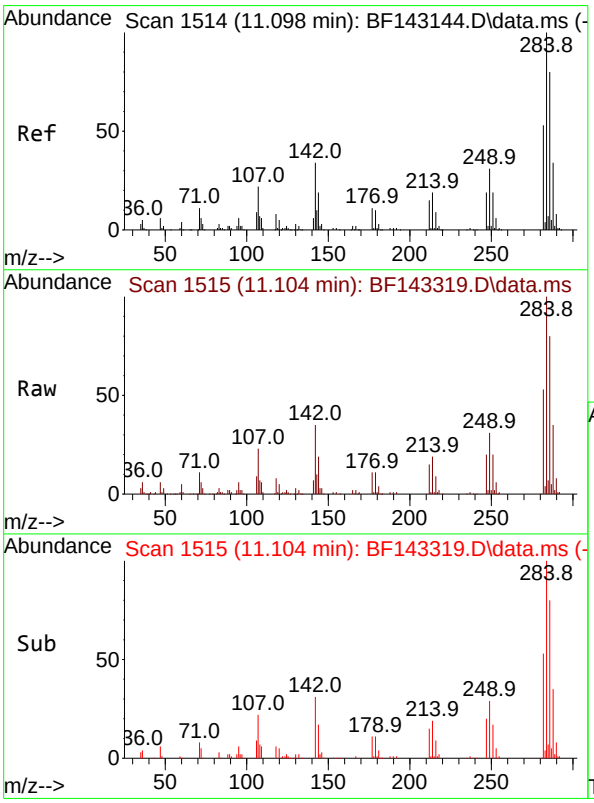
#67
4-Bromophenyl-phenylether
Concen: 38.674 ng
RT: 11.033 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 123055

Ion	Ratio	Lower	Upper
248	100		
250	96.7	78.3	117.5
141	68.3	59.2	88.8

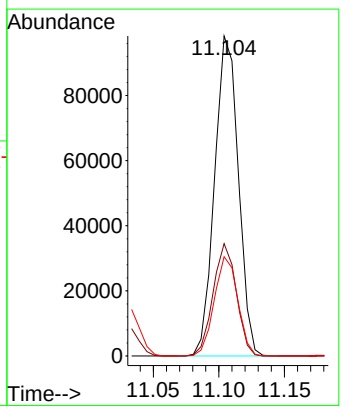


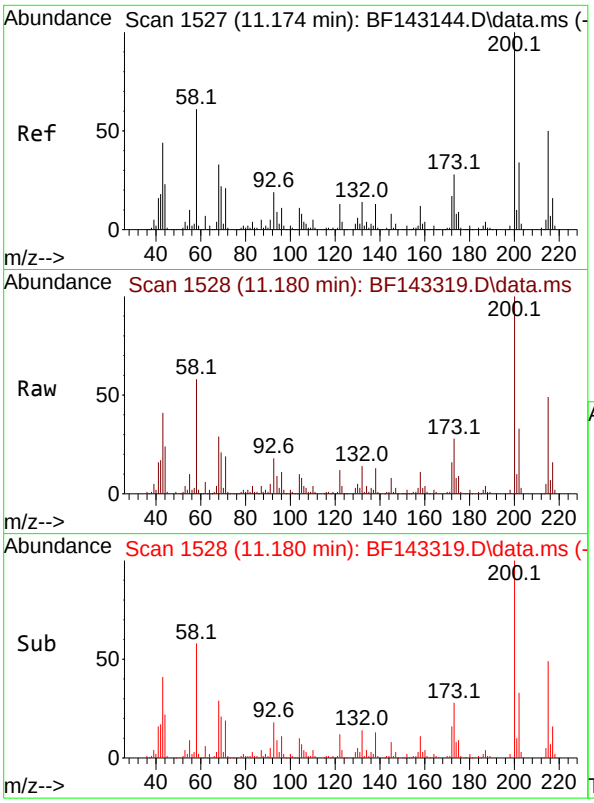


#68
Hexachlorobenzene
Concen: 37.156 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:284 Resp: 123569

Ion	Ratio	Lower	Upper
284	100		
142	35.1	27.0	40.6
249	31.0	25.0	37.6



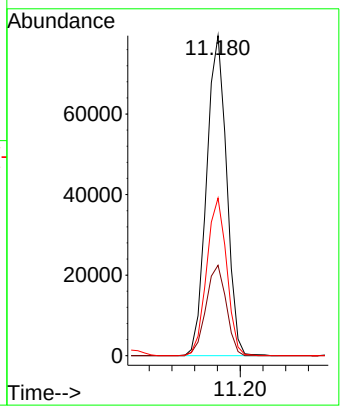


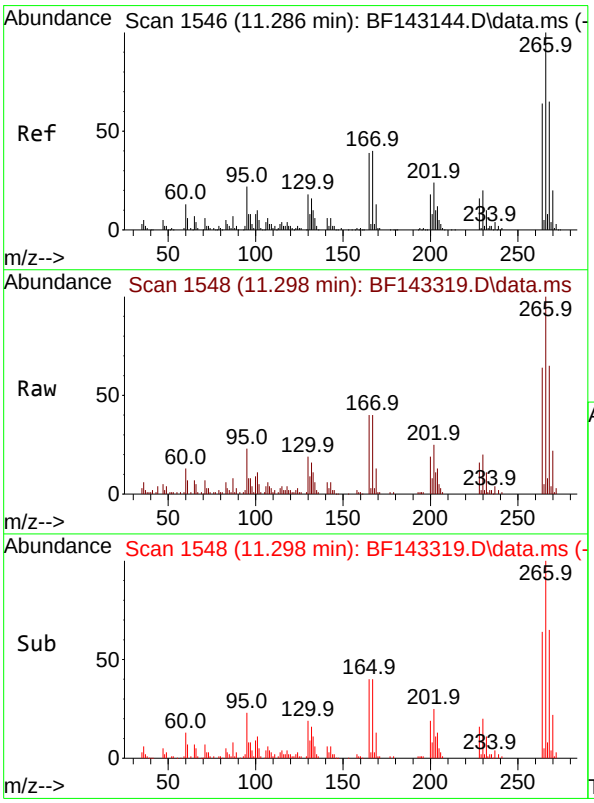
#69
Atrazine
Concen: 37.500 ng
RT: 11.180 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 97197

Ion	Ratio	Lower	Upper
200	100		
173	28.2	7.9	47.9
215	49.2	30.1	70.1

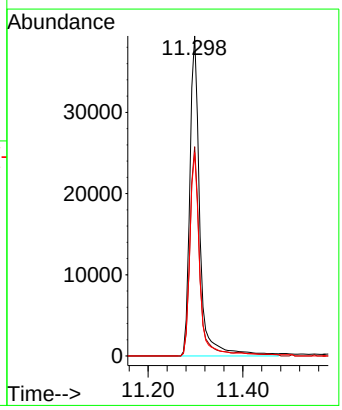


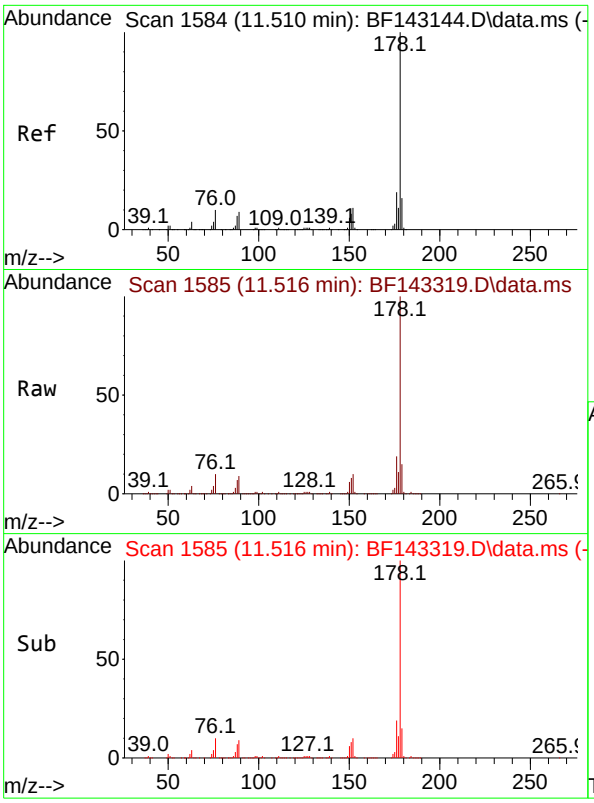


#70
Pentachlorophenol
Concen: 29.810 ng
RT: 11.298 min Scan# 1548
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:266 Resp: 58301

Ion	Ratio	Lower	Upper
266	100		
268	65.4	51.9	77.9
264	63.5	51.0	76.6



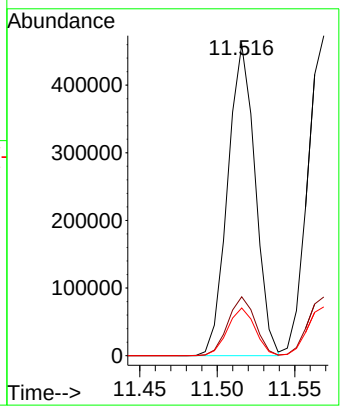


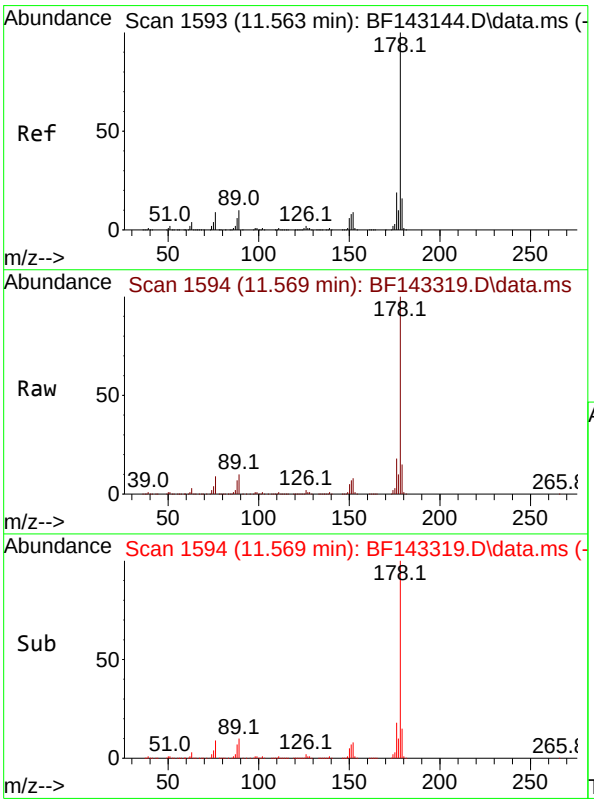
#71
Phenanthrene
Concen: 39.982 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 566802

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.3	12.5	18.7

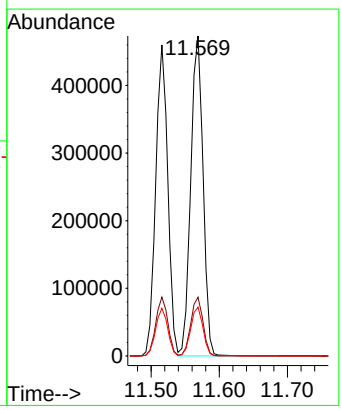


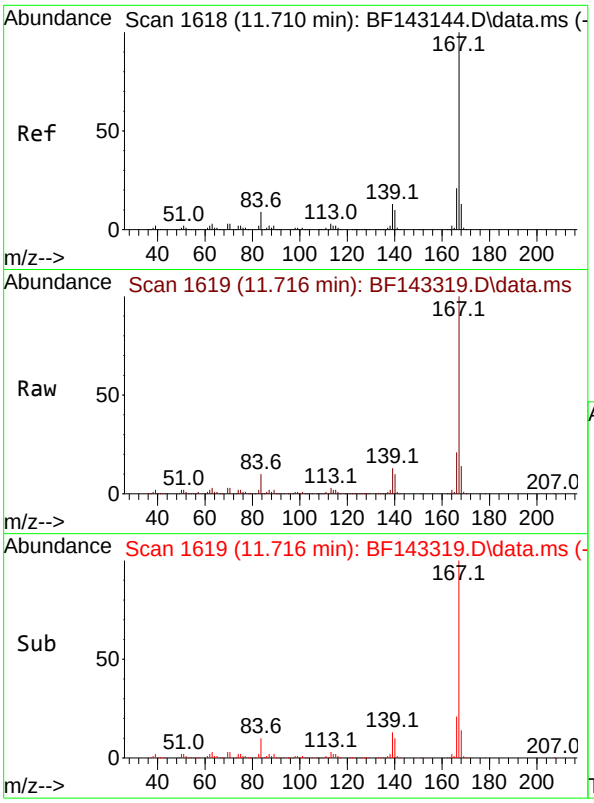


#72
Anthracene
Concen: 40.821 ng
RT: 11.569 min Scan# 1594
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:178 Resp: 590204

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.0	22.4
179	15.3	12.5	18.7



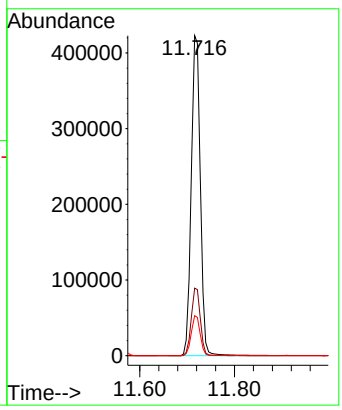


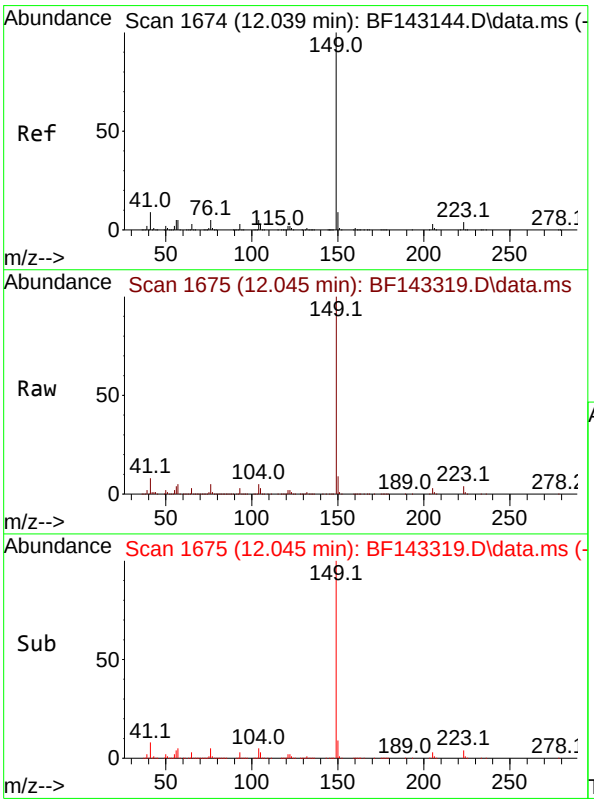
#73
Carbazole
Concen: 44.686 ng
RT: 11.716 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 564156

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.0	25.6
139	12.5	10.0	15.0

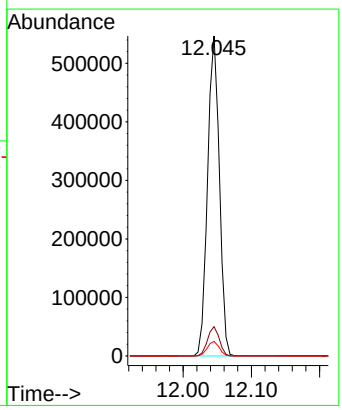


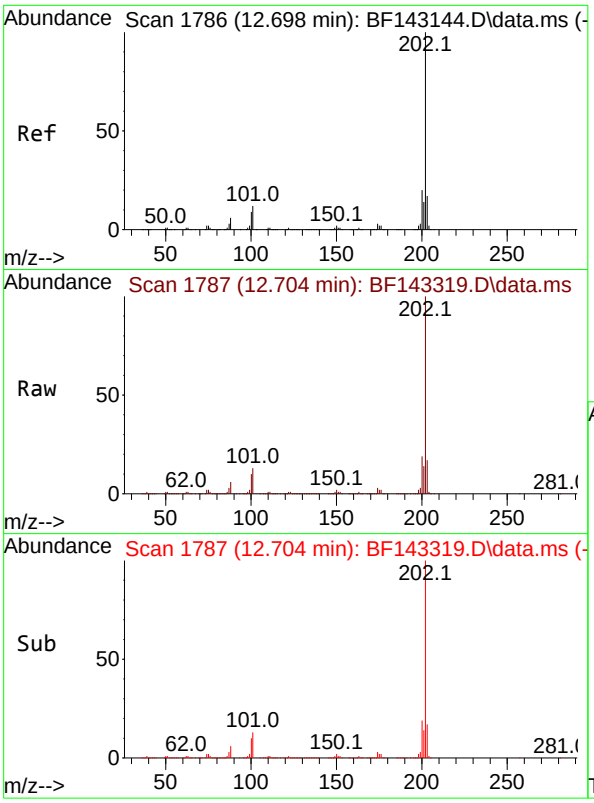


#74
Di-n-butylphthalate
Concen: 46.098 ng
RT: 12.045 min Scan# 1675
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 658512

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	4.6	3.8	5.8



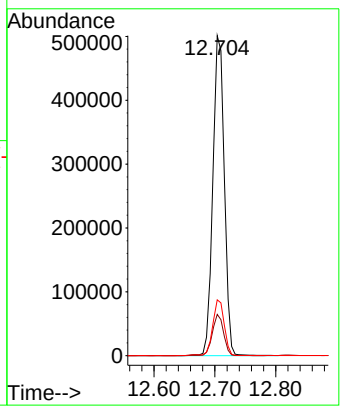


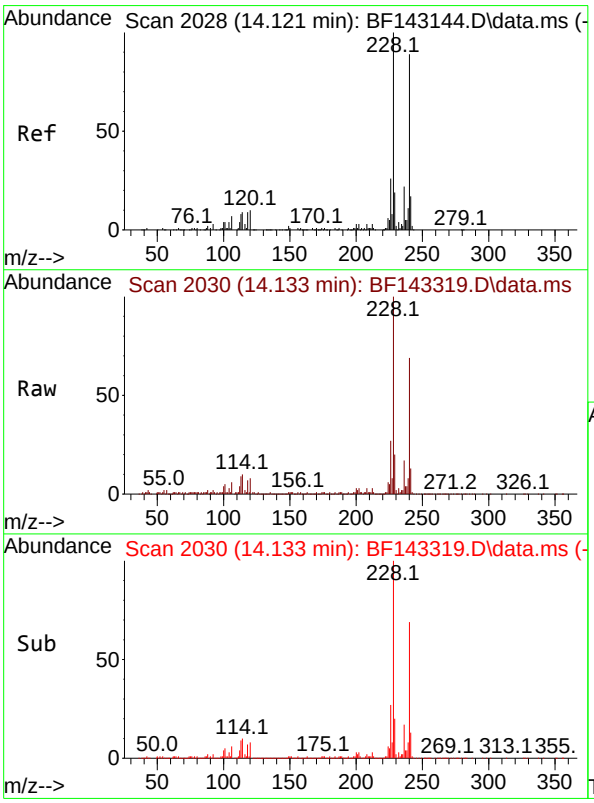
#75
Fluoranthene
Concen: 50.419 ng
RT: 12.704 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 656053

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	31.7
203	17.5	0.0	37.4

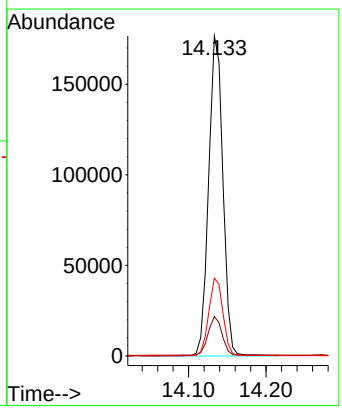


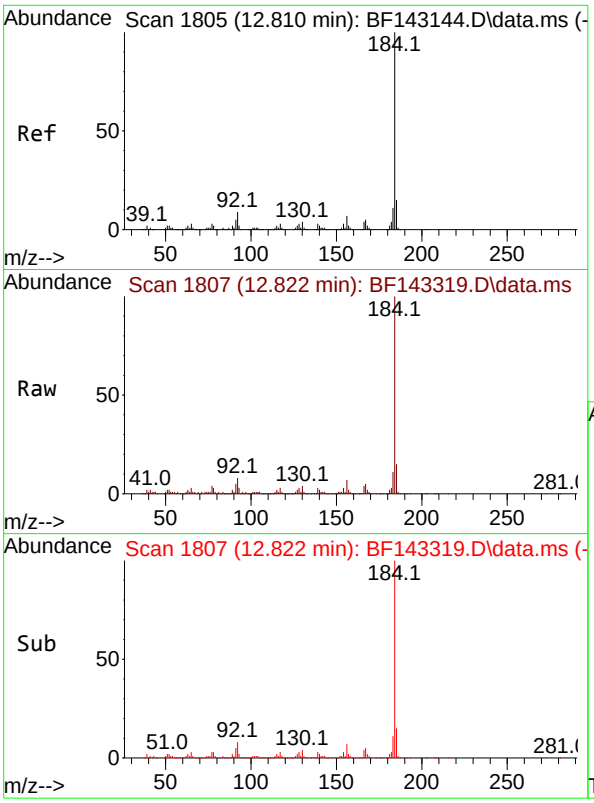


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:240 Resp: 225915

Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.4	14.2
236	24.3	20.2	30.4



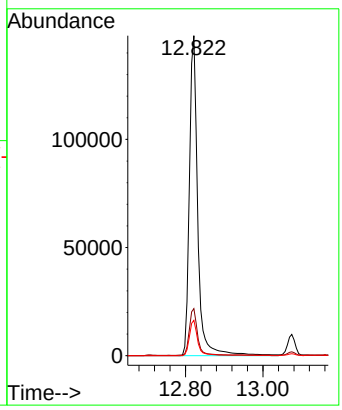


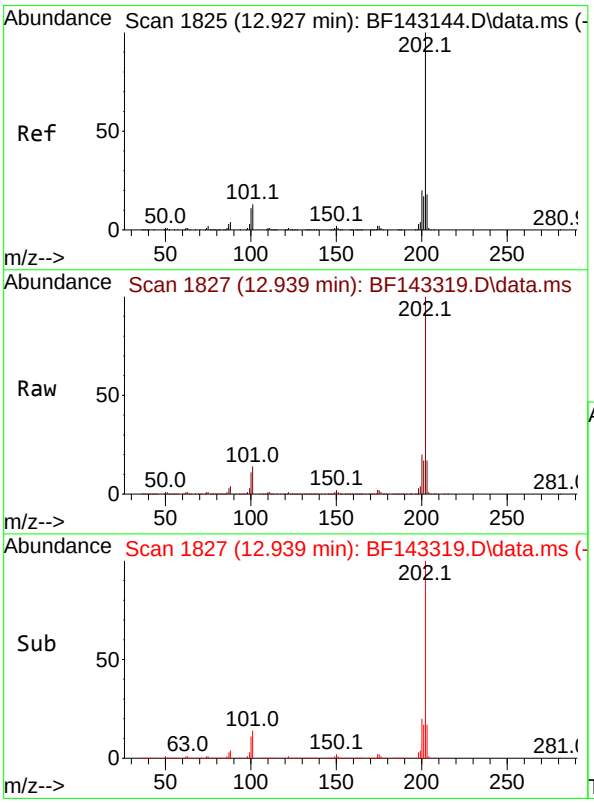
#77
Benzidine
Concen: 25.449 ng
RT: 12.822 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 221504

Ion	Ratio	Lower	Upper
184	100		
185	14.7	12.2	18.4
183	11.1	9.0	13.4

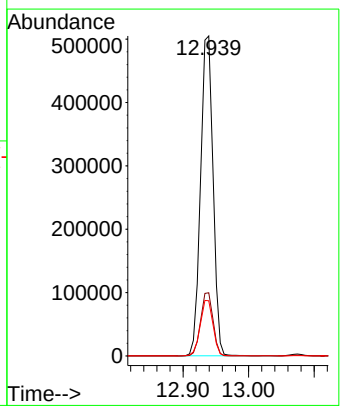


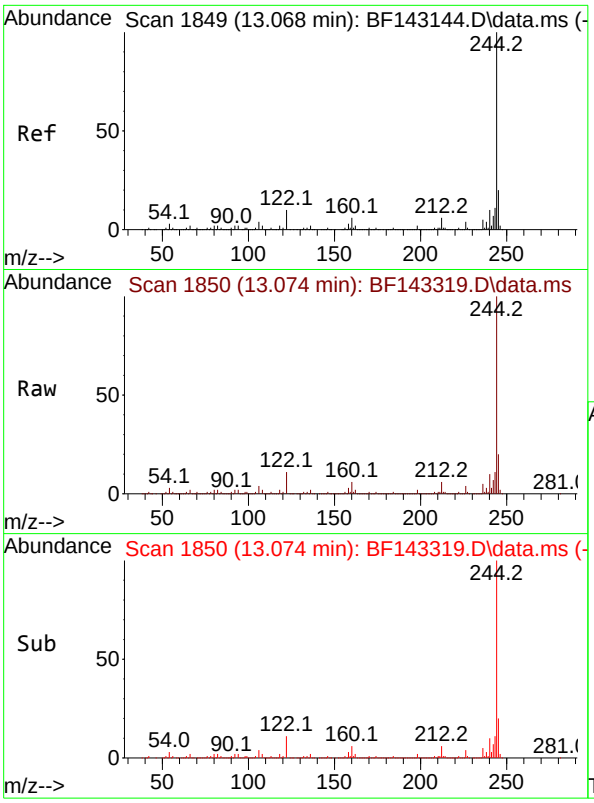


#78
Pyrene
Concen: 34.848 ng
RT: 12.939 min Scan# 1827
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:202 Resp: 671894

Ion	Ratio	Lower	Upper
202	100		
200	19.8	15.7	23.5
203	17.3	14.2	21.2



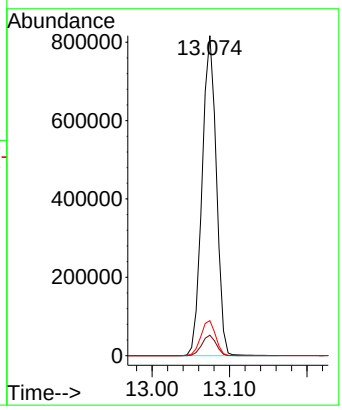


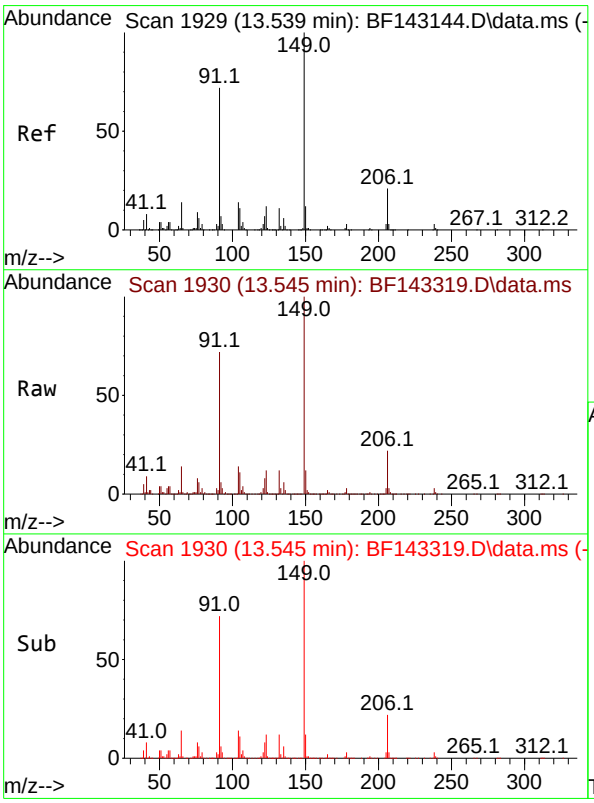
#79
Terphenyl-d14
Concen: 68.820 ng
RT: 13.074 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1044774

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	11.0	8.2	12.2

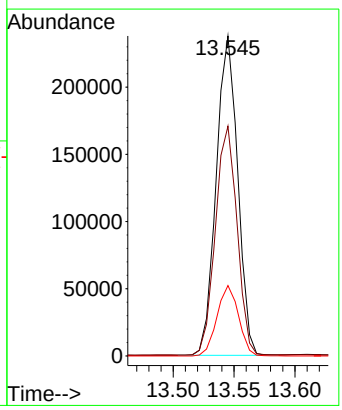


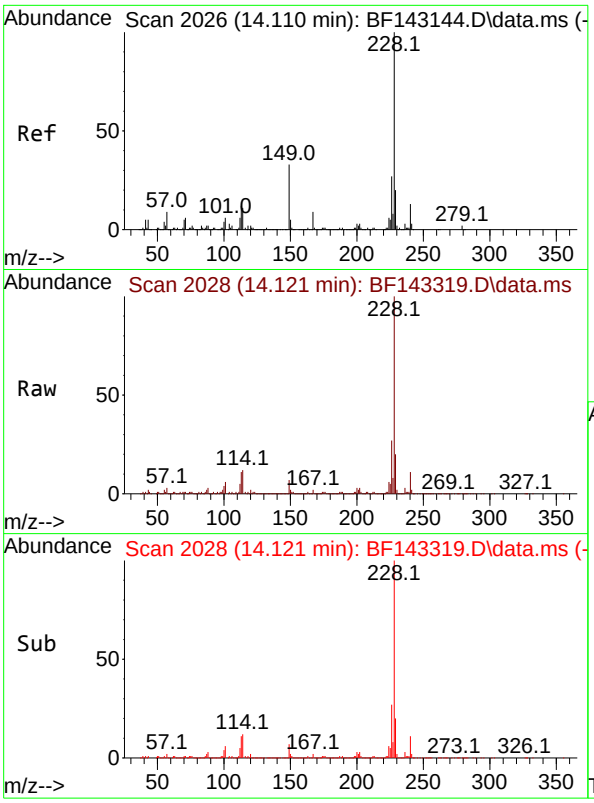


#80
Butylbenzylphthalate
Concen: 49.458 ng
RT: 13.545 min Scan# 1930
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 291998

Ion	Ratio	Lower	Upper
149	100		
91	71.8	57.9	86.9
206	22.0	17.0	25.4



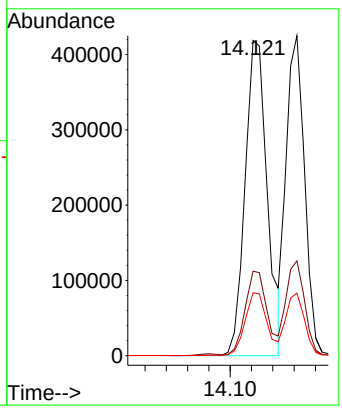


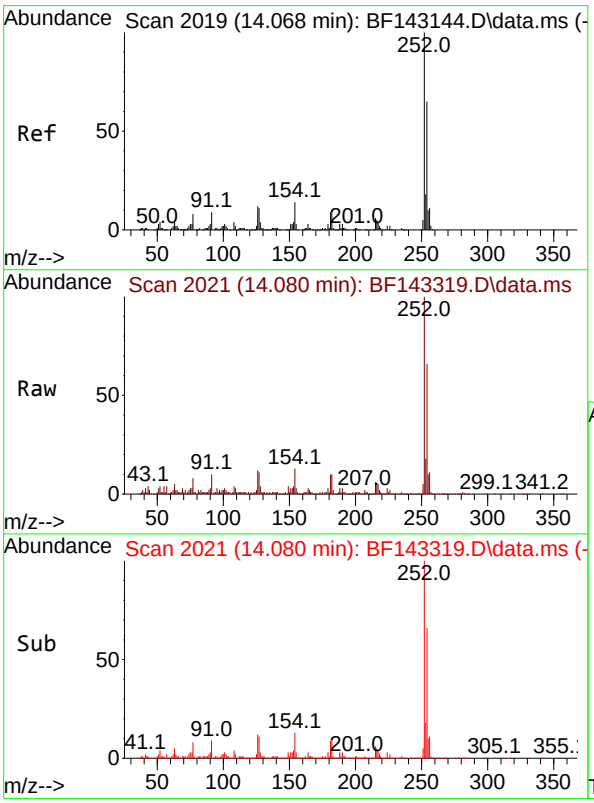
#81
Benzo(a)anthracene
Concen: 40.100 ng
RT: 14.121 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 606515

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	20.0	15.8	23.6

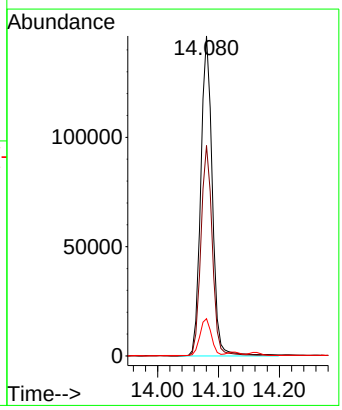


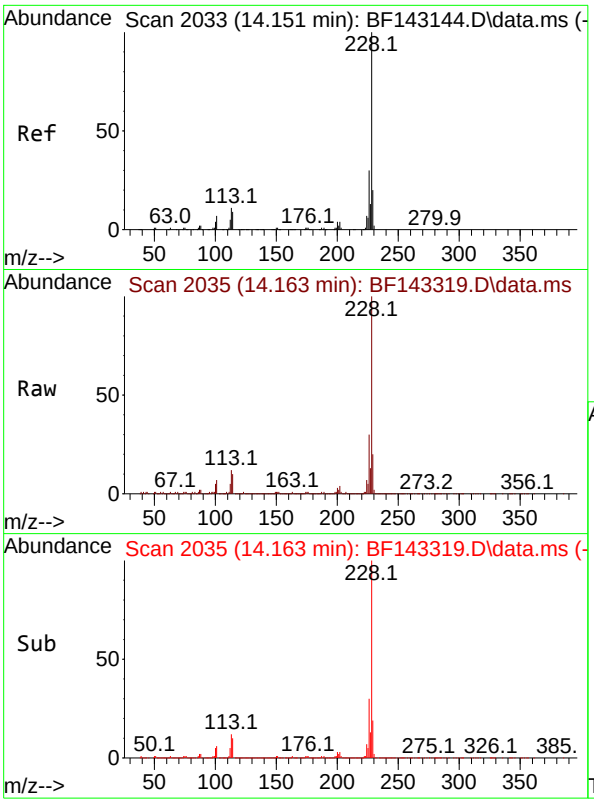


#82
3,3'-Dichlorobenzidine
Concen: 38.242 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:252 Resp: 192778

Ion	Ratio	Lower	Upper
252	100		
254	65.7	51.7	77.5
126	11.7	9.4	14.0



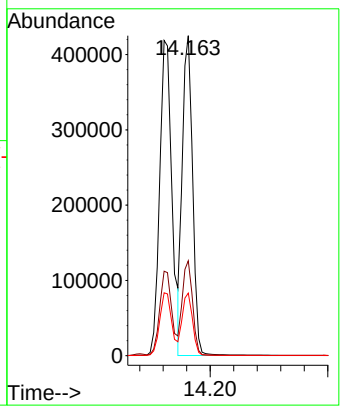


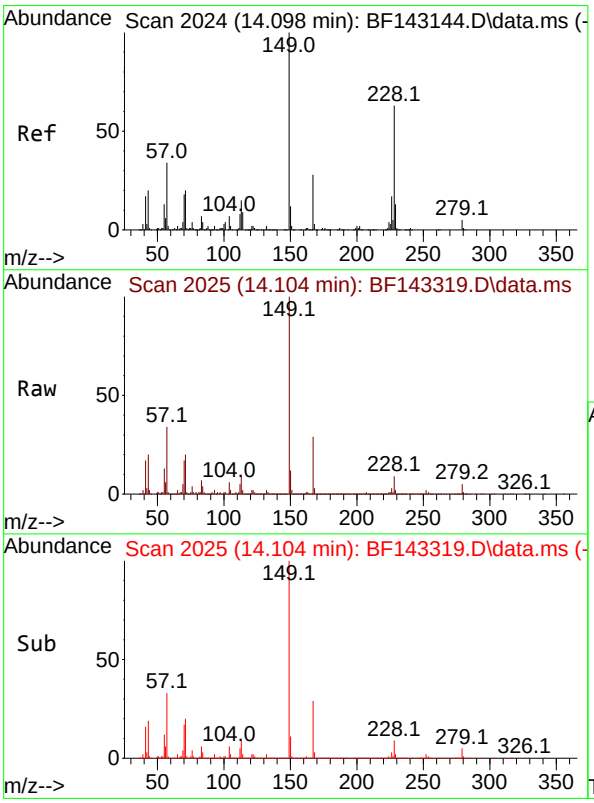
#83
Chrysene
Concen: 37.926 ng
RT: 14.163 min Scan# 2(
Delta R.T. 0.012 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 515742

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.8	35.8
229	19.6	15.6	23.4

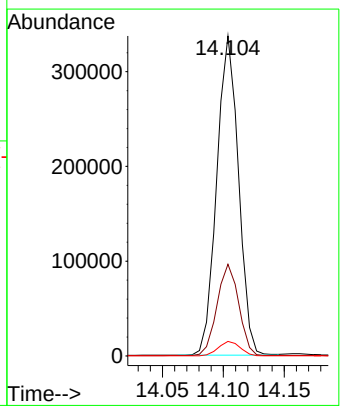


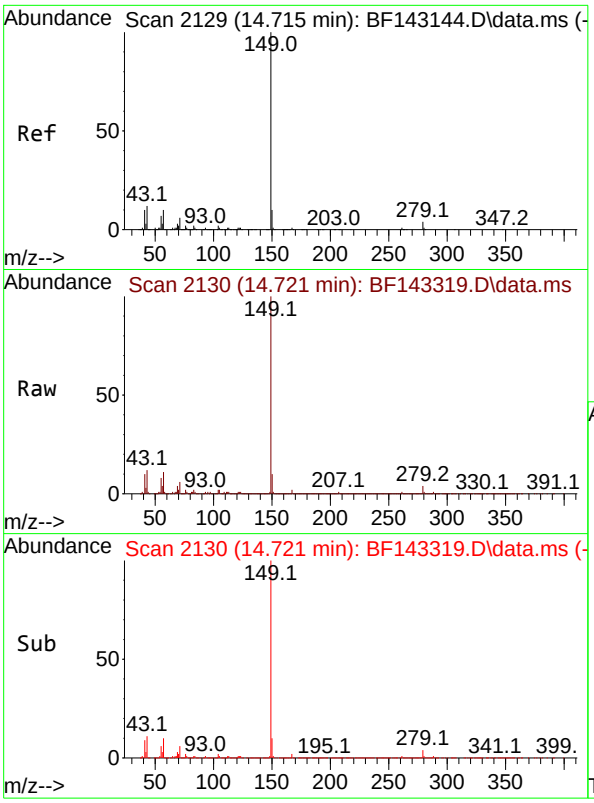


#84
Bis(2-ethylhexyl)phthalate
Concen: 46.851 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:149 Resp: 418675

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.3	33.5
279	4.6	3.6	5.4



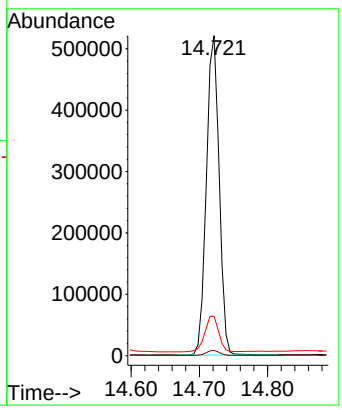


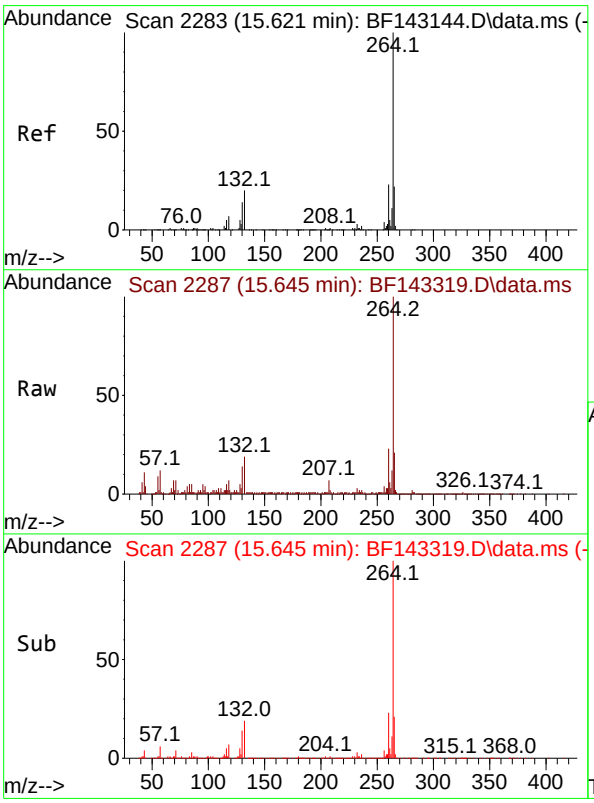
#85
Di-n-octyl phthalate
Concen: 41.890 ng
RT: 14.721 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 678536

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	12.2	9.7	14.5

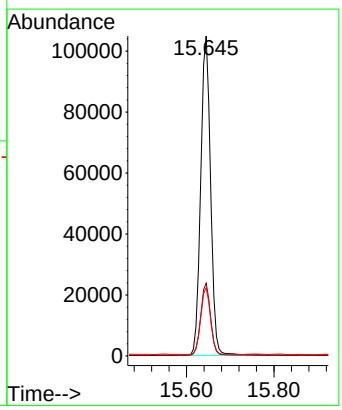


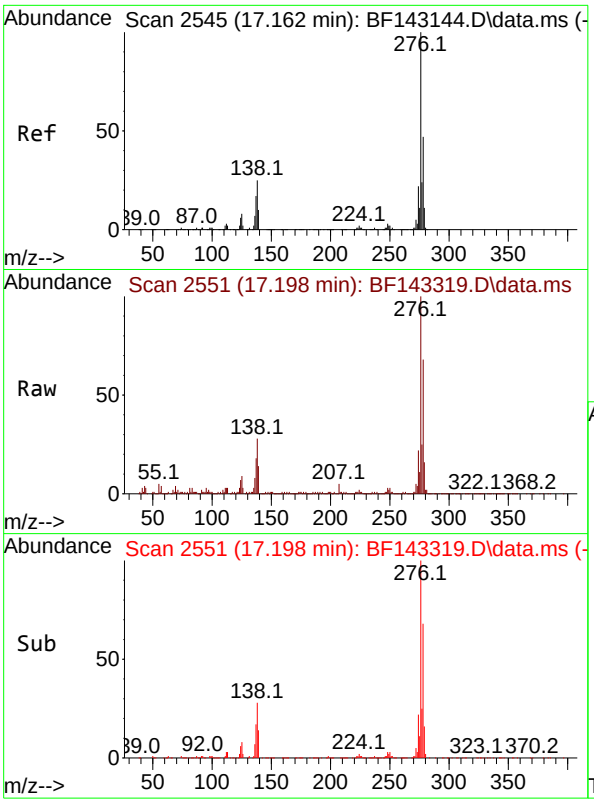


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.645 min Scan# 2287
Delta R.T. 0.024 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:264 Resp: 164343

Ion	Ratio	Lower	Upper
264	100		
260	22.8	18.5	27.7
265	21.4	17.4	26.2



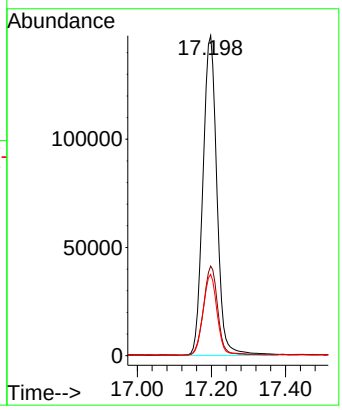


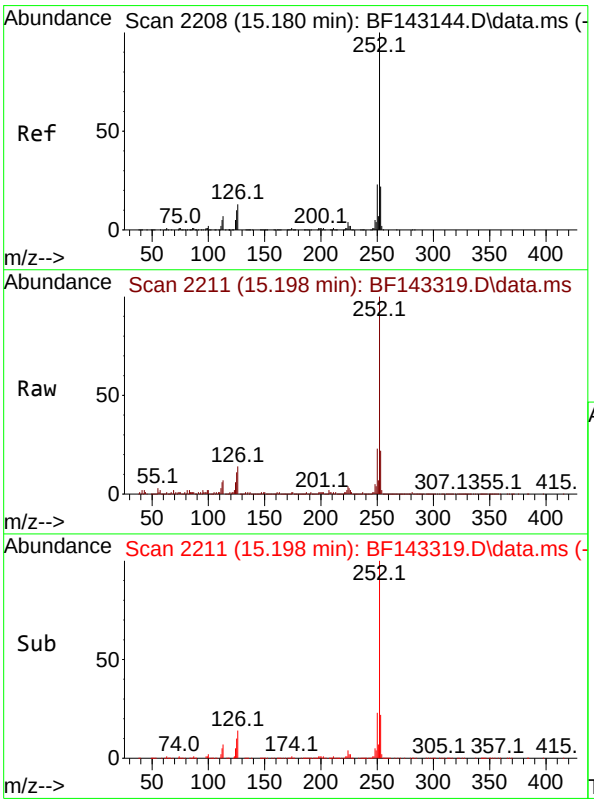
#87
Indeno(1,2,3-cd)pyrene
Concen: 33.390 ng
RT: 17.198 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 386942

Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.8	32.6
277	25.5	20.0	30.0

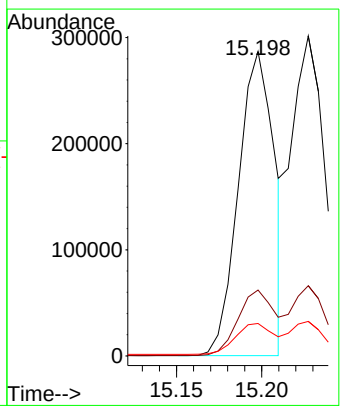


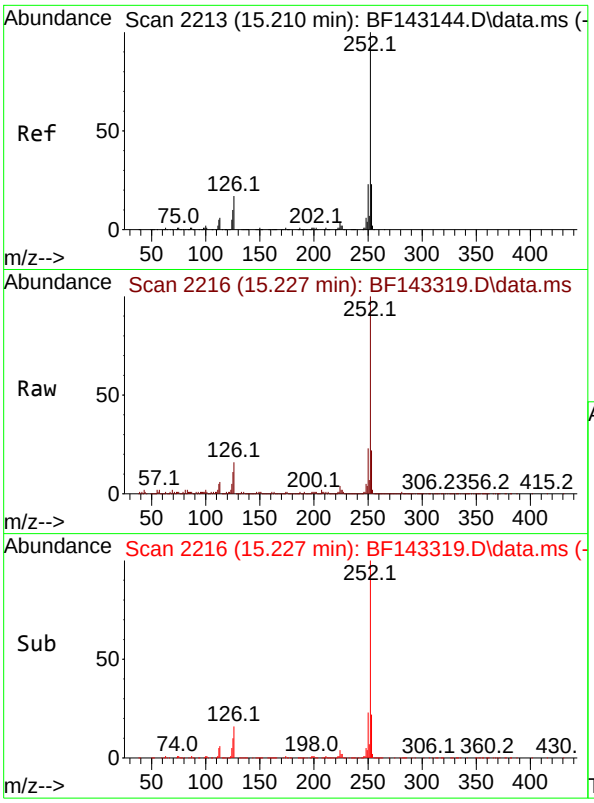


#88
Benzo(b)fluoranthene
Concen: 41.759 ng
RT: 15.198 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:252 Resp: 419253

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	10.7	8.0	12.0



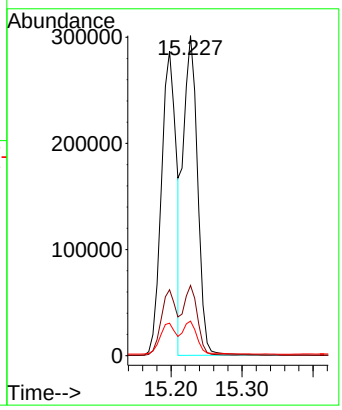


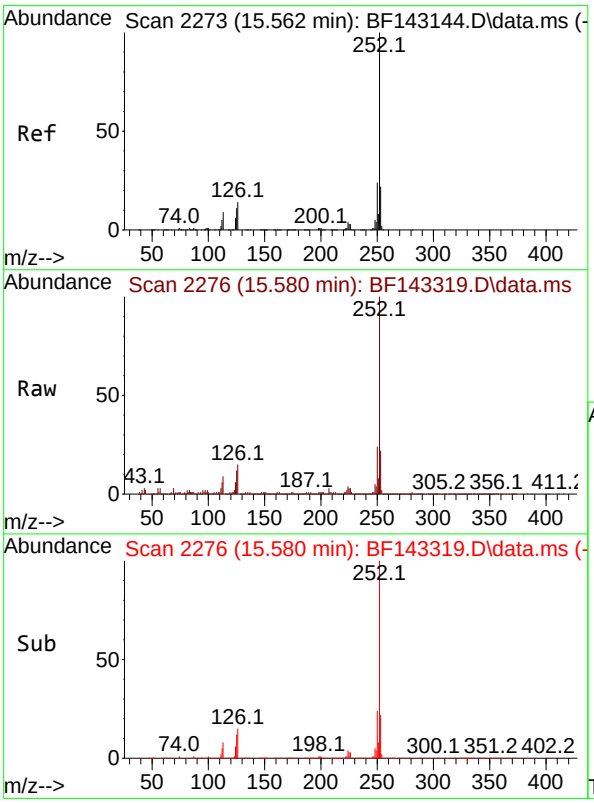
#89
Benzo(k)fluoranthene
Concen: 46.960 ng
RT: 15.227 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 420715

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.8	8.1	12.1

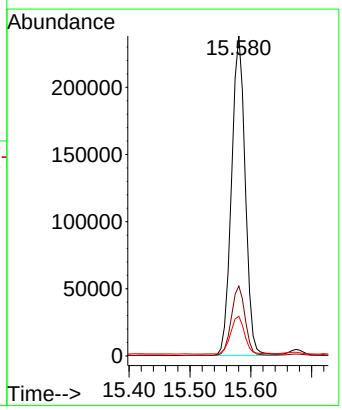


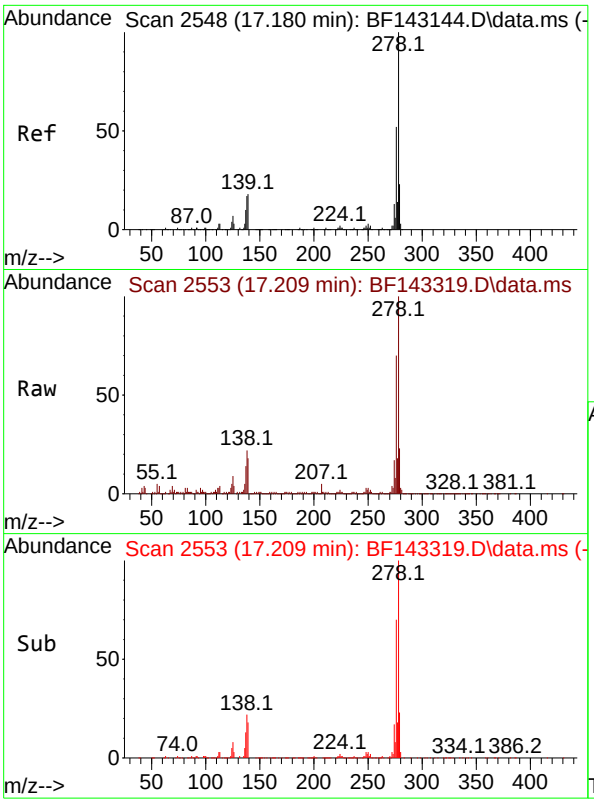


#90
Benzo(a)pyrene
Concen: 40.340 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:252 Resp: 373155

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.3	25.9
125	12.4	8.6	13.0



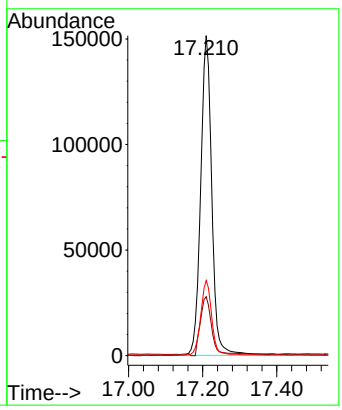


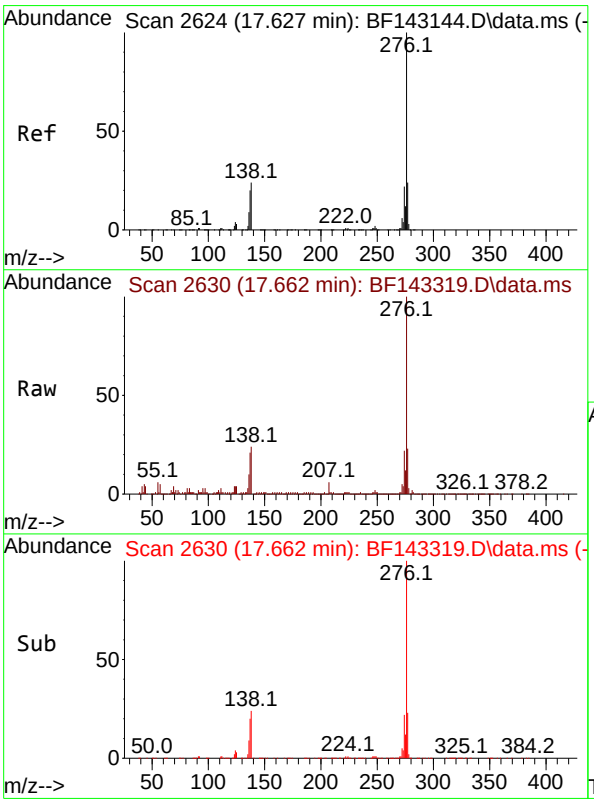
#91
Dibenzo(a,h)anthracene
Concen: 33.399 ng
RT: 17.209 min Scan# 2
Delta R.T. 0.030 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 315027

Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.1	21.1
279	23.5	18.6	28.0





#92
Benzo(g,h,i)perylene
Concen: 33.545 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143319.D
Acq: 05 Aug 2025 16:54

Tgt Ion:276 Resp: 306065

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.1	28.7
138	24.2	18.9	28.3